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CNC CHARLESTON  
5090.3a

DIG PERMITS DATED AUGUST 2001 TO FEBRUARY 2003 CNC CHARLESTON SC  
8/1/2001  
CNC CHARLESTON

# **Dig Permits**

AUG 2001 - FEB 2003



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-6010

5090

Ser CSO/043

12 September 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: UPDATE ON REVIEW OF DIGPERMIT REQUEST FOR  
CONSTRUCTION OF A CEMENT STORAGE DOME AT PIER  
ZULU TO PIERSIDE STREET**

Your letter of 24 June 2002 forwarded a request from SCSPA/CIP to construct a cement storage dome at Pier Zulu to Pierside Street, for our consideration and approval. Monitoring wells located in the area of where the dome is to be constructed have indicated low levels of contamination that require further delineation and monitoring. The Navy and CH2MHill are exploring the possibility of relocating the wells to avoid interference with the construction project; however, the larger concern is what effect the installation of the piling will have on migration of the groundwater contamination. Until the characterization of the site is complete, we cannot approve the construction as shown. We will notify you as soon as we have completed the site characterization. If you have any questions, please contact Tony Hunt at 743-2062.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

Amy Daniell

Caretaker Site Officer

By the direction of the Commander

## **CNC SITE MAP COLOR CODES**

**WHITE-** areas where no release or disposal of hazardous substances or petroleum products occurred (including no migration of these substances) from adjacent areas

**BLUE-** areas where only release or disposal of petroleum products and/or their derivatives has occurred.

**LIGHT GREEN-** areas where release of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action.

**DARK GREEN-** areas where release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken.

**YELLOW-** areas where release of hazardous substances has occurred, and removal actions necessary are underway but all required remedial actions have not yet taken place (awaiting further characterization or remedial action before it can be classified into one of the first four categories).

**RED-** areas where release of hazardous substances has occurred, but required actions have not yet been implemented.

**GRAY-** areas that are unevaluated or require additional evaluation.

## Industrial Soil Management Area

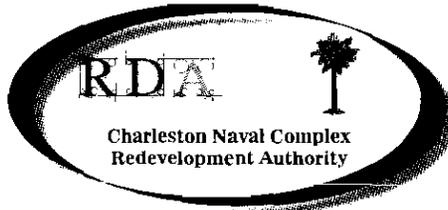
5/17/02 Davis & Floyd placed approximately 2½ yards of soil from area around Drydock #2 (See Dig permit D48).

James C. Bryan  
Chairman

Lonnie Hamilton, III  
Vice Chairman

Ronnie M. Givens  
Secretary/Treasurer

James M. Deaton  
Assistant Secretary/Treasurer



Susan K. Dnnn

James S. Minor, Jr.

Engene R. Ott

Jack C. Sprott  
Executive Director

March 15, 2002

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

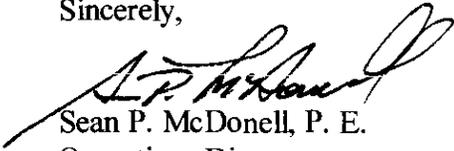
Subject: **CHARLESTON MARINE SERVICES REQUEST TO ERECT A FENCE  
AROUND NS-53**

Dear Tom:

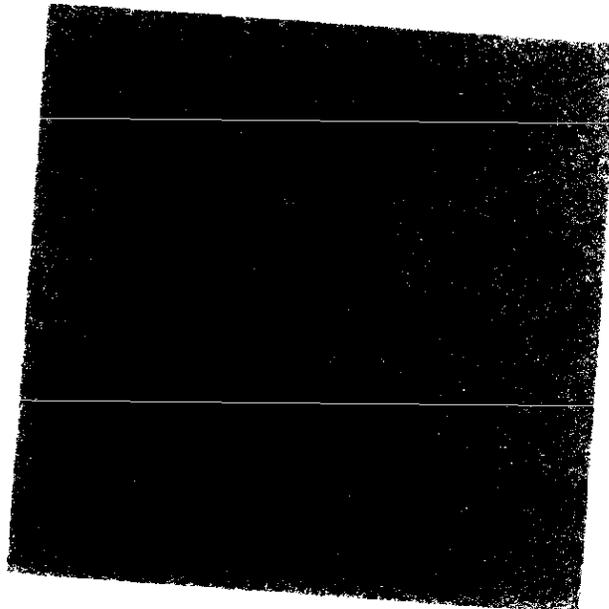
We are forwarding a request from Charleston Marine Services, LLC to erect a fence around their licensed and soon to be leased property at Building NS-53. Although they have not indicated it, we are going to require that the fence be vinyl coated as per our Fence/Alterations Guidelines. We have attached a digging permit request for this work as well. The fence will be 7' high with three strands of barbed wire and have three gates. A diagram of the fence is included on the attached delivery order.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures





*CHARLESTON MARINE SERVICES, LLC*

874 Mikell Drive  
Charleston SC 29412

*TOWBOATS,  
CHARLESTON, SOUTH CAROLINA*

PHONE (843) 744-8485  
(843) 795-4699  
FAX #'s (843) 744-8118  
(843) 795-4050

Email: [charlestonmarine@hotmail.com](mailto:charlestonmarine@hotmail.com)

***Fax Transmittal Form***

**TO: Sean McDonald**  
**RE: Fence around old Delta**

**FROM: Joe Beasenburg**  
**Charleston Marine Services, LLC**

- Urgent
- For Review
- Please Comment
- Please Reply

Recipient Fax Number: 747-0054  
Date sent: March 15, 2002  
Time sent: 10:00 am  
Number of pages including cover page: 2

**Message:**

**Dear Mr. McDonald:**

**Following this fax cover page please find the diagram of the fence that will be erected around the old Delta property. Please do not hesitate to contact me with any questions/comments. I thank you for your time and assistance.**

2221 S HUDSON FENCE

MANER BUILDERS SUPPLY CO.  
 FENCE DIVISION  
 7188 Cross County Road  
 P.O. Box 40516  
 N. Charleston, SC 29423-0516  
 (843) 552-0242 • Fax (843) 552-02923

\* TONY

DIAGRAM OF FENCE

TOTAL HEIGHT 7'±3  
 STYLE CL  
 POSTS SPACED 10'

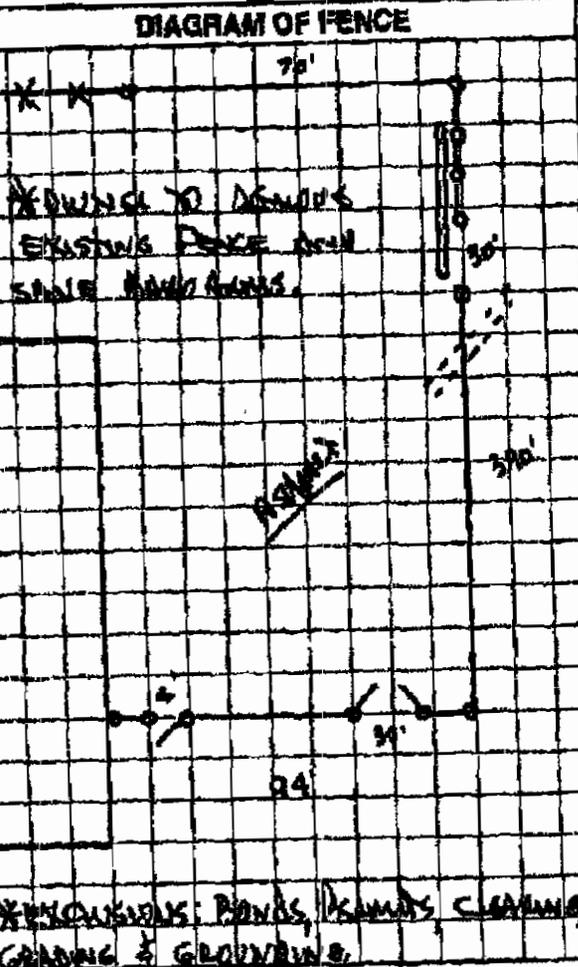
- STYLE FENCE:
- A. CHAIN LINK
  - B. VINYL CHAIN LINK
  - C. PRIVACY WOOD
  - D. SHADOW BOX WOOD
  - E. ALUM. ORNAMENTAL
  - F. STEEL ORNAMENTAL
  - G. PVC/VINYL
  - H. OTHER

GAUGE (G/L) 11.0  
 TOP RAIL 1 3/8"  
 LINE POSTS 2 1/2"  
 GATE FRAME 2"  
 TER. POSTS 3"

- TOP OF FENCE:
- TO FOLLOW GROUND
  - TO BE LEVEL WITH LOWEST GRADE
  - TO BE LEVEL WITH HIGHEST GRADE

TRAVEL TIME  
 TIME ARRIVED \_\_\_\_\_  
 TIME DEPARTED \_\_\_\_\_

TRAVEL TIME \_\_\_\_\_



NAME CHARLESTON MARINE SERVICES  
 ADDRESS 874 MIKELL DRIVE  
 CITY CHARLESTON STATE SC ZIP 29412  
 PHONE 744-8595

DATE 3/16/02  
 DATE ORDERED 1/1  
 DATE SO-SCHEDULED 1/1

1/3 DOWN & BALANCE DUE ON COMPLETION  
 BANK CARD  
 ACCOUNT

WARRANTY  
 CONTRACT  
 SERVICE CONT.  
 NORMAL  
 RES.  COMM.

INSTALL APPROX. 450' OF T HIGH FENCE w/3 STRANDS of BASKING.  
 1- WALK GATE  
 1- DOUBLE GATE  
 1- CANTILEVER GATE

I agree to pay SELLER (above listed business) BALANCE (total amount due) of this contract according to the terms specified above, and upon default thereof, to pay all costs of collection, including a reasonable attorney's fee and court costs and waive all rights of exception under the operation and laws of this and any other state. I warrant to the release of any financial information necessary to process credit inquiries. There will be an additional charge for removal of existing old fence and debris, unless specified otherwise. The authorized customer hereby assumes full responsibility for liability for injuries of the the open while said material is to be installed and agrees to hold the company and the contractor harmless from all claims arising from greater slowness of said property or erosion of said lines, and from all claims for personal injury, property damage or trespass from or by means of the installation of said fence material. All payments over 30 days charged 1.5% interest per month with an annual rate of 18%.

SUB-TOTAL		\$8,653.00
LESS DEPOSIT		
BALANCE		
+ TAX		
TOTAL DUE		

NAME THE AUTHORITY TO ORDER THE ABOVE WORK AND SO ORDER OR TO BE ABOVE, IT IS AGREED THAT THE SELLER WILL REPAIR TITLE TO ANY EQUIPMENT OR MATERIAL FURNISHED UNTIL FULL & COMPLETE PAYMENT IS MADE, AND IF SETTLEMENT IS NOT MADE AS AGREED, THE SELLER SHALL HAVE THE RIGHT TO REMOVE SAME AND THE SELLER WILL BE HELD HARMLESS FOR ANY INJURIES RESULTING FROM THE REMOVAL THEREOF.  
 ALL WORK WILL BE PERFORMED IN ACCORDANCE WITH STANDARD PRACTICES.

AUTHORIZED SIGNATURE  
x Bill Storm 3/16/02  
 DATE

OUR TRAINED PERSONNEL SUGGEST THE FOLLOWING IMPROVEMENTS:  
 \* EXCLUSIONS: PONDS, DEBRIS, CLEANING, GRADING & GROUNDING.

PARTS WARRANTY  
 All parts as recorded are warranted as per manufacturer specifications and one (1) year by Maner.

LABOR WARRANTY  
 The labor charge as recorded here relative to the equipment serviced as noted is guaranteed as stated thereon.

20-TRUCK TO  
 20-TRUCK TO  
2221 S. HUDSON  
SAFETY

## Daniell, Amy (Efdsouth)

---

**From:** Hunt, Tony (Efdsouth)  
**Sent:** Wednesday, March 20, 2002 12:03 PM  
**To:** Fressilli, Tom (Efdsouth); Daniell, Amy (Efdsouth); Nielson, Rick (Efdsouth)  
**Cc:** Nelson, Raymond (Efdsouth); Davis, Rick (EFDSouth)  
**Subject:** RE: MINDSET of RE Business line concerning violations of excavation clause

I support the idea of sending a letter to the RDA only I don't think it should stop at an alert. I believe that we need to also state that we are prepared to cancel the primary lease with the RDA for any affected facilities where excavation or dewatering has occurred without prior approval on Navy owned property. Otherwise the RDA will continue to rely on the Navy to catch these discrepancies rather than staffing up to do it themselves. We also need to be serious about exercising this option, if the RDA sees it as a bluff it will be treated as one.

-----Original Message-----

**From:** Fressilli, Tom (Efdsouth)  
**Sent:** Wednesday, March 20, 2002 11:20 AM  
**To:** Hunt, Tony (Efdsouth); Daniell, Amy (Efdsouth); Nielson, Rick (Efdsouth)  
**Subject:** MINDSET of RE Business line concerning violations of excavation clause

Just wanted to alert you both of the fact that both Raymond and Brenda already think that our clause concerning excavation approval, which is short, simple, and sweet, is adequate, but that the RDA is certainly capable of making changes to their sublease if they want to add conditions/consequences to include fines, etc. to help further discourage their tenants from making mistakes, such as the one committed by Besenberg this past weekend. Their problem is going to be that our lease is already a part of their sublease with each tenant, so changing anything in the middle of the stream is going to be difficult. Perhaps they can make a tougher clause to add to all new subleases? The reason that Raymond and Brenda say that the clause is adequate, is their feeling that any violation of any clause in the lease is a valid reason for default. What they don't realize is that warning letters after the fact that threaten this, aren't taken seriously enough to effect change in tenant behavior especially if the RDA doesn't support actually following through and evicting a tenant for the wrongdoing. Perhaps the best we can hope for here is to have RE send out a tough letter asking the RDA to alert all existing tenants of the excavation clause in the Environmental Provisions section of their lease and to reaffirm that excavations without approval by the Government are grounds for default and lease termination. In that same letter, we can disapprove the excavation for the fence because it is not supported with an adequate alteration request that has been approved by the Government in accordance with the lease alterations provisions. Such alteration request must at least specify location for the fence along with other essential facts such as fence design-height, material, etc.



SCORE!!  
Finessilli 2  
SCE&G  
GPH

DEPARTMENT OF THE NAVY  
SOUTHERN DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
P. O. BOX 190010  
2155 EAGLE DRIVE  
NORTH CHARLESTON, S.C. 29419-9010

→ CSO Copy  
P/s file w/ Exc.  
Permit Document  
ation File Folder  
TV

11011  
Code BDD2/TFE  
APR 30 2002

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Bruce Carter  
South Carolina Electric and Gas Company (SCE&G)  
P.O. Box 760  
Charleston, SC 29402

Dear Bruce,

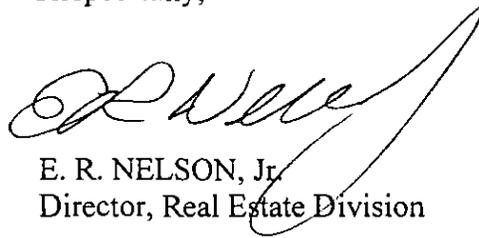
As you are certainly aware by now, the Navy cooperated fully with SCE&G's efforts to modernize the Charleston Naval Base Complex electrical distribution system, which was conveyed to you on 01 July 1999 per the terms of a Quitclaim Deed dated 02 July 1997 and associated Transfer Agreement with Grant of Right-Of-Way. Over the course of the past three years, our Caretaker Site Office (CSO) has approved of several excavation permits in support of projects to install new equipment for your conversion of the system's voltage from 13.2KV to 23KV. In almost every instance, these permits were handled expeditiously and handling of soils and groundwater encountered by your personnel and contractors during the excavations was fully coordinated with both the Navy's cleanup contractor, CH2M Hill, and the tenants of the Charleston Naval Complex Redevelopment Authority (CNCRA). However, I am writing to inform you that the work to convert switching station #91, as described on the attached excavation permit request dated 24 February 2000, resulted in the stockpiling of approximately 725 cubic yards of material in the vicinity of Pier J, within a short distance of the Cooper River. This soil takes up a substantial amount of quaywall space, which the current CNCRA tenant has an acute need for. Navy test results on this soil do not reveal the presence of any hazardous waste, but do indicate that the soil has elevated levels of certain contaminants that resulted in its classification as industrial grade material, precluding it from being disposed of as fill material for unrestricted usage. A review of all record keeping in the CSO and your local distribution office has failed to produce any evidence to establish that your representatives contacted the office for ultimate disposal of the soil when it was learned that appreciable amounts of excess soil would be generated by the conversion project. The Navy did not instruct SCE&G to haul the excess soil off base, which would have resulted in an estimated disposal cost to SCE&G of approximately \$18,000, since we were planning the establishment of a Soil Management Area (SMA) in the industrial area of the Complex to accommodate such soils for potential use in the cleanup.

As an on-base site for the storage of industrial grade soils has now been obtained, as shown on the attached sketch, it is requested that SCE&G initiate actions to have the soil relocated there as soon as possible so that the quaywall space can be fully utilized by the

11011  
Code BDD2/TFF

CNCRA tenant. The cost to accomplish this work has been estimated at \$7,000 by both Navy and SCE&G representatives. It is the Navy's position that SCE&G should absorb this cost since the CNCRA allowed the stockpiling of the soil on his leased premises on a temporary basis only, and the Navy's Grant of Right-of-Way with SCE&G specifically provides that its efforts to construct, install, operate, repair, and replace elements of the electrical system shall be done without cost or expense to the Government. Please contact Mr. Tom Fressilli of our CSO at either 843-820-5989 or 843-743-2985 if you have any questions or concerns regarding this matter.

Respectfully,

A handwritten signature in black ink, appearing to read "E. R. Nelson, Jr.", written in a cursive style. The signature is positioned above the printed name and title.

E. R. NELSON, Jr.  
Director, Real Estate Division

Copy to:  
CNCRA (Attn: Mr. Sean McDonell)  
CNCRA (Attn: Mr. James Bryan)



**Charleston Caretaker Site Office Excavation Permit**

CSO Log Number = 166  
Request Date = 24 February 2000  
Comments Date = 25 February 2000  
Location = Building 1174 & 1193

**Environmental Review Comments**

This dig request proposes to install multiple 600 AMP tees around bldg 1174 down Supply Street to bldg 1193. The Navy has identified several Solid Waste Management Units (SWMU) and Areas of Concern (AOC) in the vicinity of the proposed work, particularly around bldg 1174. Digging in these areas is not prohibited, but caution should be exercised. It is recommended that you take any precautions you feel are necessary to ensure the safety of your workers. At a minimum, efforts should be made to avoid dermal exposure for any workers who may come in contact with the soil.

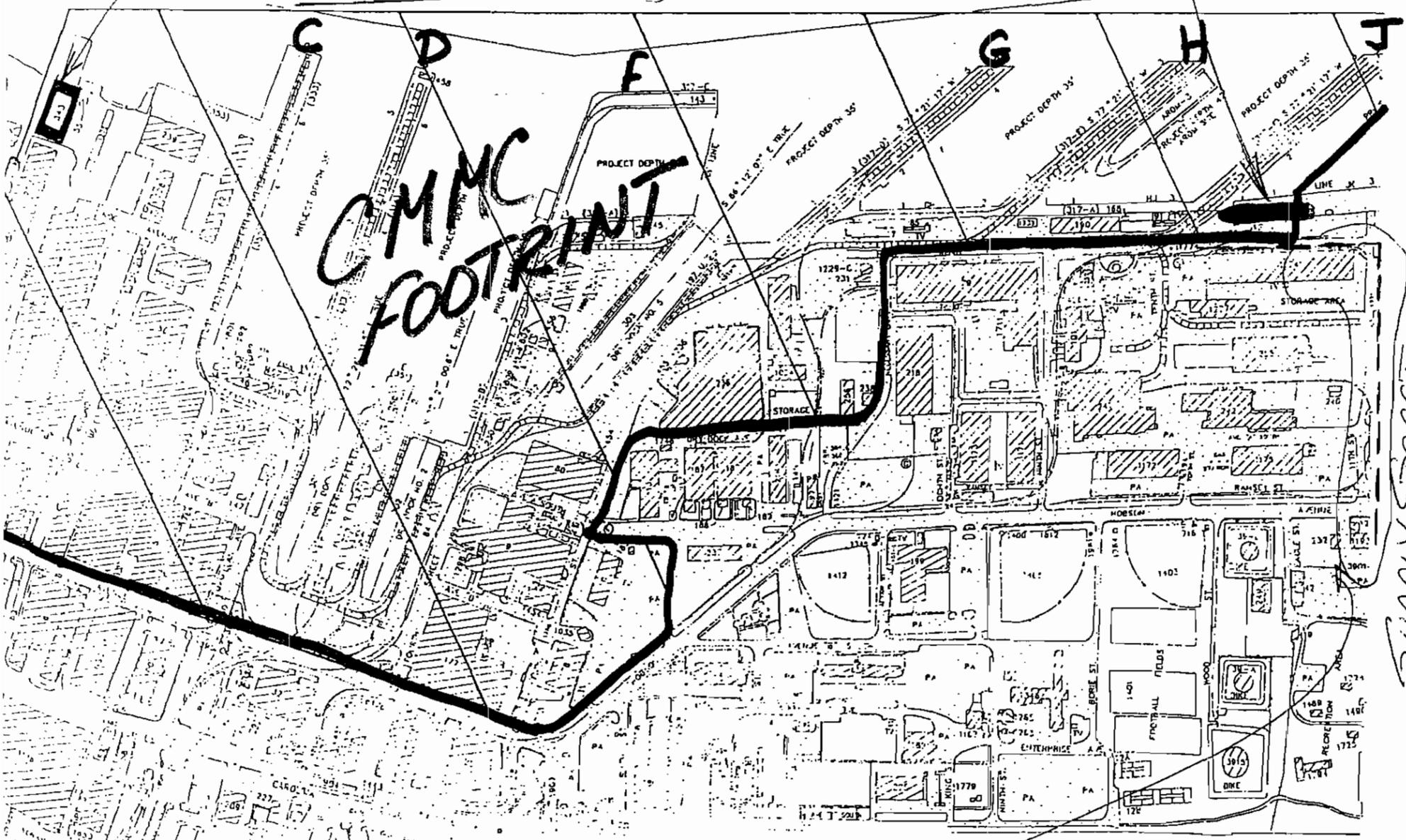
No soil shall leave the site without permission. Any soil excavated during this project should be stored **on site** and returned to the excavation after the work is done. Sidewalk and pavement debris can be disposed of as construction waste.

If excess soil is not able to be reused and needs to be disposed, please contact our office for approval. Note that no soil can leave the base without environmental testing. Point of contact is Matt Humphrey, CSO Environmental, at (843) 743-9985 ext 29.

# SOIL MANAGEMENT AREA (SMA)

CENTER LINE CHANNEL PROJECT DEPTH 17

Approx 725 yd<sup>3</sup>  
OF STOCKPILED SOIL



DUPRE ST

AREA OF SC8916  
EXCAVATIONS

# SIGN IN

NAME	PHONE	C-MAIL
<del>Alice</del> <del>Gregory</del> <del>NC</del> <del>SC</del> <del>Adl.</del> <del>Co</del> <del>air</del>	<del>803-644</del>	<del></del>
Wick Gregory	CMC	Adl. Co air
RICK BROWN (same)		
Laura Blake	(803) 217-7132	lblake@comcast.net
Richard W. Smith	745-6381	R.W.Smith@janda.com
Am. Dan	743-9985	Daniel.ae@hobart.edu
RICK NELSON	743-9985	rick.nelson@comcast.net
Tom Fressilli	820-5989	tfressilli@efdsouth.com NAVJAC.NAVY.mil
Joy Hunt	820-5525	huntma@efdsouth.navy.mil
Brenda Bowman	820-7394	bowmanbw@efdsouth.com

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> _____	<b>Contractor:</b> _____	<b>Date of Request:</b> _____
------------------------	--------------------------	-------------------------------

**Has the proposed work been staked out?**     **Yes**     **No**

**Facility/ Work Involved** (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____ <input type="checkbox"/>	
<b>Overhead Lines</b> :	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
<b>Underground Lines</b> :	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
<b>Method of Excavation:</b>	Hand <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

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Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

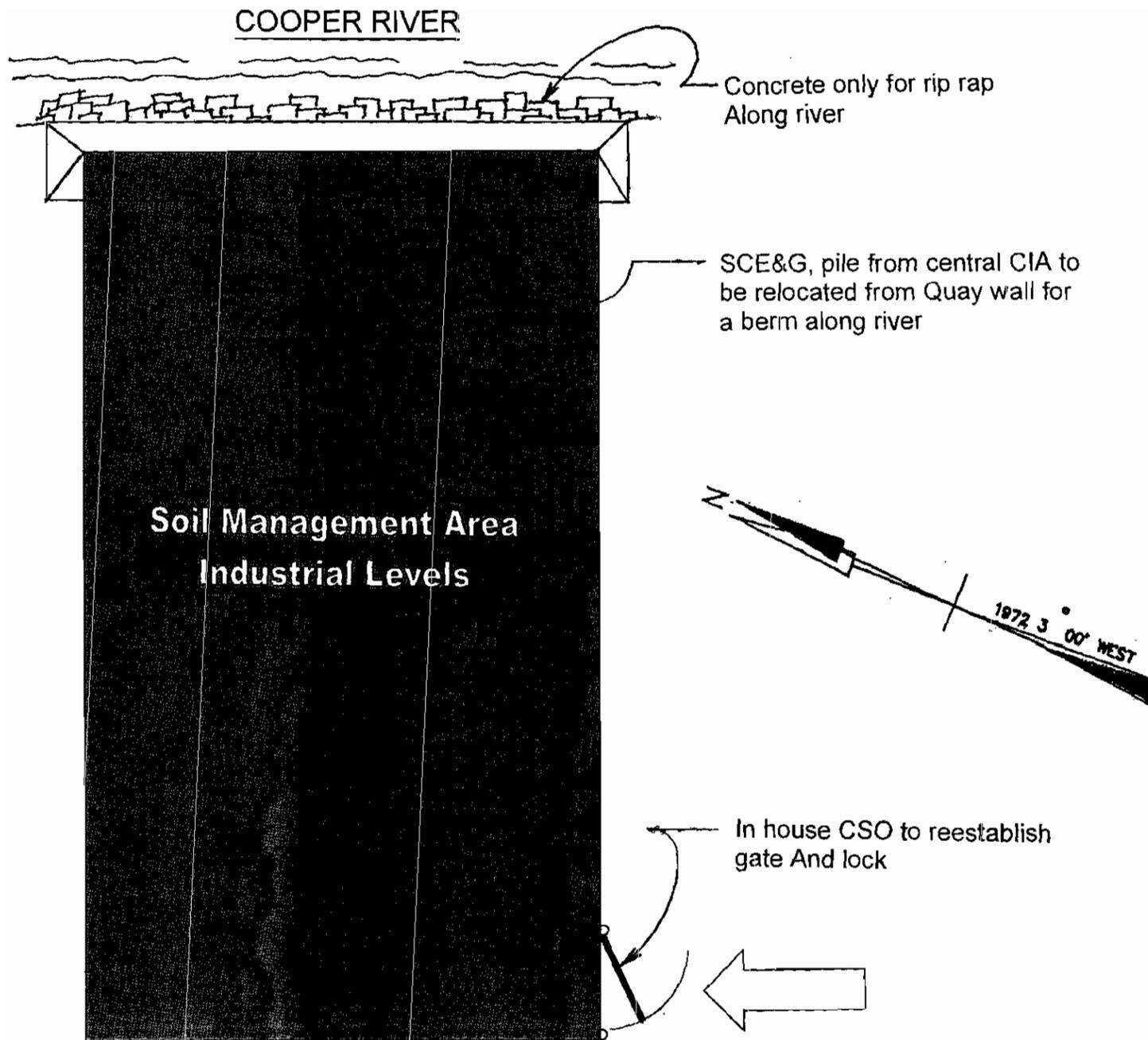
<b>Date Permit Required:</b> _____	<b>Termination Date of Permit:</b> _____
<b>Signature of Requesting Official:</b> _____	<b>Date:</b> _____ <b>Phone Number:</b> _____

## Caretaker Site Office Review

<p><b>Points of Contact:</b></p> <p><b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390</p> <p><b>SCE&amp;G:</b> R.W. Smith (work) 745-6381</p> <p><b>RDA: Gene Knisley</b> Sewer POC: (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? _____</li> <li>2. Is the Area inside the CIA?    <input type="checkbox"/> Yes    <input type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted?    If yes, list.    <input type="checkbox"/> Yes    <input type="checkbox"/> No ( _____ )</li> <li>4. Are any AOC(s) impacted?    If yes, list.    <input type="checkbox"/> Yes    <input type="checkbox"/> No ( _____ )</li> <li>5. Has DHEC been notified?    <input type="checkbox"/> Yes    <input type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled?    <input type="checkbox"/> Yes    <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background?    <input type="checkbox"/> Yes    <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background?    <input type="checkbox"/> Yes    <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled?    <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? _____</li> </ol>
<b>Permit Approved?</b> <input type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b>	

<b>CSO Authorizing Signature:</b> _____	Date out: _____
<b>CH2MHILL/J.A. Jones Signature:</b> _____	
<b>BEC Signature:</b> _____	Serial Number: _____
<b>CSO Officer Signature:</b> _____	





**SOIL MANAGEMENT AREA PLAN**  
NOT TO SCALE

Requester: Fill out top portion, Sign and date.

**Location:** Bldg 673 Tidewater Lane **Contractor:** North Charleston PW **Date of Request:** 2/28/03

Has the proposed work been staked out?  Yes  No

Facility Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	Communications <input type="checkbox"/>
Overhead Lines <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input checked="" type="checkbox"/>
Underground Lines <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Power Shovel <input type="checkbox"/>
Method of Excavation:	Hand <input type="checkbox"/>	Auger <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	<input type="checkbox"/> Other: _____

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

EXCAVATING SANITARY SEWER SERVICE LINE FROM BUILDING TO MAIN TO LOCATE IF REPAIR EXPECTED BREAK

SKETCH ATTACHED

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

**Date Permit Required:** ASAP **Termination Date of Permit:** TWO WEEKS

**Signature of Requesting Official:** [Signature] **Date:** 2/28/03 **Phone Number:** 745-1028

**Caretaker Site Office Review**

<b>Points of Contact:</b> <b>CFP</b> Robert Sagasser (work) 529-0653 (page) 570-0390  <b>SCE&amp;G:</b> R.W. Smith (work) 745-6381  <b>RDA:</b> Gene Kniesley Sewer POC: (work) 747-0010	1. Who is the current Land Owner/ Lessee? <u>RDA</u>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	2. Is the Area inside the CIA?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	3. Are any SWMU(s) impacted? If yes, list.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No ( <u>SWMU 9</u> )
	4. Are any AOC(s) impacted? If yes, list.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No (_____)
	5. Has DHEC been notified?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	6. Will soil need to be temporarily stockpiled?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	7. What constituents will soil be tested for?	_____	
	8. Soil Test results above residential background?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	9. Soil Test results above industrial background?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	10. Area where soil is to be stockpiled?	<u>(See Attached Map)</u>	
	11. What is the serial # of forwarding letter to RDA?	_____	

**\* See Notes**

**Permit Approved?**  Yes  No

**CSO Authorizing Signature:** [Signature] **Date out:** 6 March 03

**CH2MHILL/J.A. Jones Signature:** [Signature] \*

**BEC Signature:** [Signature] **Serial Number:** 100

**CSO Officer Signature:** Amy Daniel

\* see attached letter

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 100  
Request Date = 28 February 2003  
Comments Date = 6 March 2003  
Location = Between Bldgs. 672 & 673

### Environmental Review Comments

This project proposes the following: (a) to locate and repair break in sewer line.

The Navy has identified that in this area a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site, the CSO should be notified prior to soil being transported to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.

## CH2M-JONES, LLC

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February 2003

To: Charleston Caretaker Site Office (CSO)  
From: CH2M-Jones, LLC

Subject: DIG PERMIT FOR PUBLIC WORKS TO REPAIR A SEWER MAIN  
ADJACENT TO BUILDING 673, CSO LOG NUMBER 100

CH2M-Jones, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 100. The work area adjacent to Building 673 shown in the permit is associated with Solid Waste Management Unit (SWMU) 9 (former landfill). This site is currently under review for corrective measures with the South Carolina Department of Health and Environmental Control (SCDHEC). CH2M-Jones believes North Charleston Public Works can investigate and repair the sewer leak if they understand the following conditions: The sewer line was installed subsequent to the formation of the landfill and the line is likely surrounded by typical backfill. The Public Works Department should be cognizant of the fact they're excavating in an area that could contain wastes and take appropriate safety precautions. Should they encounter landfill debris or any other anomalies (unusual odors not associated with a broken sewer line), they should halt operations.

Respectfully,  
CH2M-Jones, LLC



Jed Heames  
Site Superintendent



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090

Ser CSO/058

6 March 2003

Mr. Gene Knisley  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. Knisley:

**SUBJECT: N. CHAS. PUBLIC WORKS REQUEST TO REPAIR SEWER LINE  
AT BLDG. 673**

Your letter of 28 February 2003 forwarded a request from North Charleston Public Works to repair the sewer line servicing Bldg. 673, for our consideration and approval. The work will be taking place at or near contaminated areas. In these areas, the Navy has identified a release of hazardous substances has occurred, but corrective actions, in some cases, have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO.

The enclosed digging permit is approved. However, please see comments provided by CH2M-Jones, LLC. The contractor will be responsible for the costs associated with the disposal of the waste created by this project. For specific contaminants that may be encountered throughout the base, please see the comments attached to the digging permit. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please contact the Caretaker Site Office for disposal instructions.

If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in black ink that reads "Amy Daniell". The script is cursive and fluid, with the first letters of "Amy" and "Daniell" being capitalized and prominent.

Amy Daniell  
Caretaker Site Officer  
By the direction of the Commander

February 28, 2003

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
SOUTHNAVFACENGCOM  
P.O. Box 190010  
North Charleston, S.C. 29419-9010

Subject: N. CHAS PUBLIC WORKS REQUEST FOR  
EXCAVATION , BLDG. 673

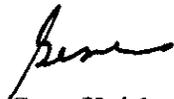
Dear Amy:

The subject dig permit is forwarded for your review and comment. An apparent break in the sewer line serving Bldg. 673 requires excavating in the vicinity shown on the sketch.

Their schedule is to begin excavating on Wednesday (3/5/03) if at all possible.

Your assistance in expediting this request is requested and of course appreciated.

Sincerely,



Gene Knisley, PE  
Maintenance Director

Enclosures

**FACSIMILE TRANSMITTAL COVER SHEET***City of North Charleston*

---

To: **Gene Knisley**  
Company: CNCRDA  
1360 Truxtun Ave, Suite 300  
Charleston, SC 29405-2005  
Phone: 747-0010  
Fax: **747-0054**

From: **Paul Donado**  
Company: City of North Charleston Public Works  
1021 Aragon Street  
North Charleston, SC 29405  
Phone: 745-1026  
Fax: 745-1099

Date: 02/28/03

Pages including this cover page: 3

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**Re: Excavation, Building 673**

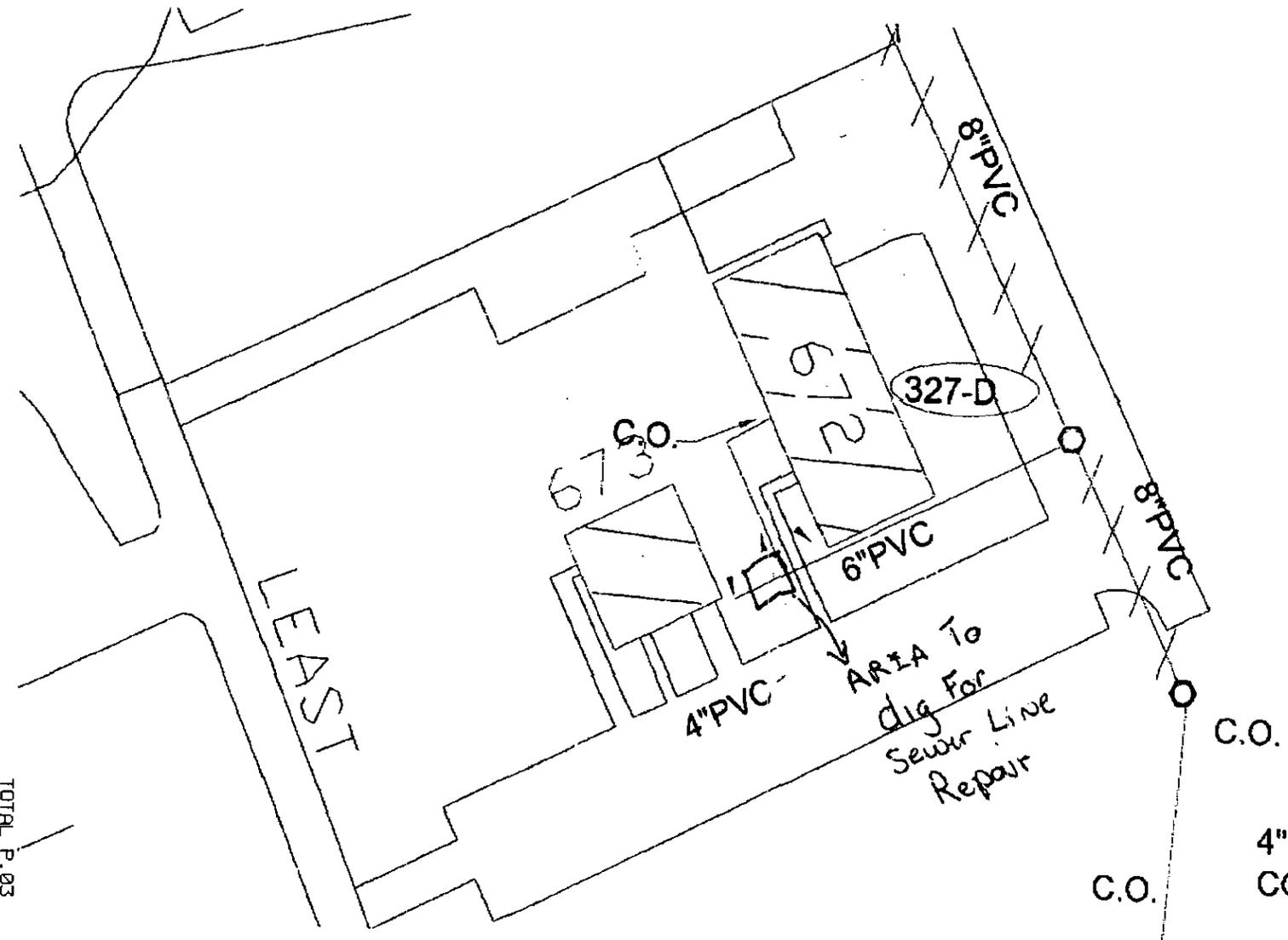
**Comments:**

Gene -

I've attached a digging permit and a sketch of the area we will be excavating. We'll be doing some exploring as we try to hunt down the break in the line.

Appreciate your assistance in expediting this request.

Thanks,  
Paul



TOTAL P. 03

## Daniell, Amy (Efdsouth)

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**From:** Daniell, Amy (Efdsouth)  
**Sent:** Thursday, March 06, 2003 10:21 AM  
**To:** 'scaturdm@dhec.state.sc.us'  
**Cc:** Hunt, Tony (Efdsouth)  
**Subject:** Excavation request in the vicinity of SWMU 9

This e-mail's purpose is to provide you with notification that North Charleston Public Works will be disturbing soil between Bldgs. 672 & 673. We have notified North Charleston and the RDA that they will be disturbing soil in the vicinity of a solid waste management unit (SWMU 9). They have been provided with information on the types of contaminants they may encounter and to take necessary precautions to minimize dermal exposure to their workers. They are also to stop work immediately if there is suspect soil or an unusual odor. Please contact our office if you have any questions.

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Instructions: Fill out top portion, Sign and date.

Location: 7th Street behind Building 180	Contractor: CPW	Date: 02/13/03
--	-----------------	----------------

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input checked="" type="checkbox"/>	Other: Soil Boring <input type="checkbox"/>	
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/> <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
 Please see attached CPW drawings regarding the installation of a new 6" water line and the abandonment of a deteriorating 6" line behind Building 180.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: 4/1/03	Termination Date of Permit: 9/30/03
Signature of Requesting Official: <i>[Signature]</i>	Date: 2/13/03 Phone Number: 843-747-0010

## Caretaker Site Office Review

<b>Points of Contact:</b> CPW : Robert Sagasser (work) 529-0653 (page) 570-0390  SCE&G: R.W. Smith (work) 745-6381  RDA: Gene Knisley Sewer POC: (work) 747-0010	1. Who is the current Land Owner/ Leasee? <u>CPW</u> 2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( ) 4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( ) 5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No 7. What constituents will soil be tested for? _____ 8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No 9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No 10. Area where soil is to be stockpiled? <u>(See Attached Map)</u> 11. What is the serial # of forwarding letter to RDA? <u>0516</u>
Permit Approved? <input type="checkbox"/> Yes <input type="checkbox"/> No	

CSO Authorizing Signature: <i>[Signature]</i>	Date out: 2/26/03
CH2MHILL/J.A. Jones Signature: <i>[Signature]</i>	
BEC Signature: <i>[Signature]</i>	Serial Number: 099
CSO Officer Signature: <i>[Signature]</i>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 099

Request Date = 13 February 2003

Comments Date = 26 February 2003

Location = 7<sup>th</sup> Street Behind Bldg. 180

### Environmental Review Comments

This project proposes the following: (a) to abandon a deteriorating 6" waterline  
(b) install new 6" water line

The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090

Ser CSO/057

26 February 2003

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: CPW REQUEST TO REPLACE 6" WATER MAIN & HYDRANTS**

Your letter of 13 February 2003 forwarded a request from CPW to abandon a deteriorating 6" water line and replace it with a new 6" line that will run along 7<sup>th</sup> Avenue from Avenue B South to Avenue D South and will include a new service to Building 80, for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions.

If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

Amy Daniell

Caretaker Site Officer

By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**



**Eugene R. Ott**  
*Assistant Secretary/Treasurer*

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

February 13, 2003

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

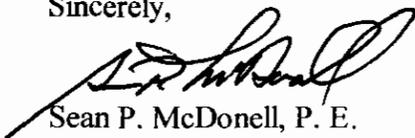
**Subject: CPW REQUEST TO REPLACE A 6" WATER MAIN AND HYDRANTS**

Dear Amy:

We are forwarding the subject digging permit request and drawings for your review and comment. CPW plans to abandon a deteriorating 6" water line and replace it with a new 6" line that will run along 7<sup>th</sup> Avenue from Avenue "B" South to Avenue "D" South and will include a new service to Building 180.

Please provide us with your comments. Thanks for your assistance.

Sincerely,



Sean P. McDonell, P. E.  
Operations Director

/enclosures

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion. Sign and date.

Location: <b>Hobson Ave @ Sarsi St</b>	Contractor: <b>1st South Util. Const. INC</b>	Date: <b>1-30-03</b>
---	--	-------------------------

Has the proposed work been staked out?  Yes  No

Facility/ Work Involved (Please check below) 39C21141N

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	Communications <input type="checkbox"/>
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input checked="" type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Power Shovel <input type="checkbox"/>
Method of Excavation:	Hand <input type="checkbox"/>	Auger <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

**(SEE ATTACHED SKETCH) Bellsouth requests permission to intercept cable in MH9 and bring out of MH over to right-of-way to provide service for 2143 Thompson Ave.**

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: **2-5-03** Termination Date of Permit:

Signature of Requesting Official: **Michael S. McCann Specialist** Date: **1-30-02** Phone Number: **843-722-5081**

## Caretaker Site Office Review

<b>Points of Contact:</b> <b>CPW : Robert Sagasser</b> (work) 529-0653 (page) 570-0390  <b>SCE&amp;G: R.W. Smith</b> (work) 745-6381  <b>RDA: Gene Knisley</b> Sewer POC: (work) 747-0010	1. Who is the current Land Owner/ Leasee? <b>Border Patrol</b>		
	2. Is the Area inside the CIA?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	3. Are any SWMU(s) impacted? If yes, list.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	4. Are any AOC(s) impacted? If yes, list.	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No <b>(AOC 67B)</b>
	5. Has DHEC been notified?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	6. Will soil need to be temporarily stockpiled?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	7. What constituents will soil be tested for?		
	8. Soil Test results above residential background?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	9. Soil Test results above industrial background?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	10. Area where soil is to be stockpiled?	<b>(See Attached Map)</b>	
	11. What is the serial # of forwarding letter to RDA?	<b>056</b>	

Permit Approved?  Yes  No

CSO Authorizing Signature: **[Signature]** Date out: **12 Feb 03**

CH2MHILL/J.A. Jones Signature: **[Signature]**

Signature: **[Signature]** Serial Number: **098**

CSO Officer Signature: **[Signature]**

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 098

Request Date = 5 February 2003

Comments Date = 12 February 2003

Location = Corner of Hobson Ave. and Sarsi St.

### Environmental Review Comments

This project proposes the following: (a) to install an underground telephone cable.

The Navy has identified that in this area a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site, the CSO should be notified prior to soil being transported to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090

Ser CSO/056

12 February 2003

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: BELLSOUTH REQUEST TO INSTALL UNDERGROUND  
TELEPHONE CABLE AT HOBSON AVE. AND SARSI ST.**

Your letter of 5 February 2003 forwarded a request from Bellsouth install underground telephone cable at the corner of Hobson Ave. and Sarsi St., for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but corrective actions have not been implemented to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions.

If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

Amy Daniell

Caretaker Site Officer

By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**



**Eugene R. Ott**  
*Assistant Secretary/Treasurer*

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

February 5, 2002

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

Subject: **BELLSOUTH'S REQUEST TO INSTALL UNDERGROUND  
TELEPHONE CABLE AT THE CORNER OF HOBSON AVENUE AND  
SARSI STREET**

Dear Amy:

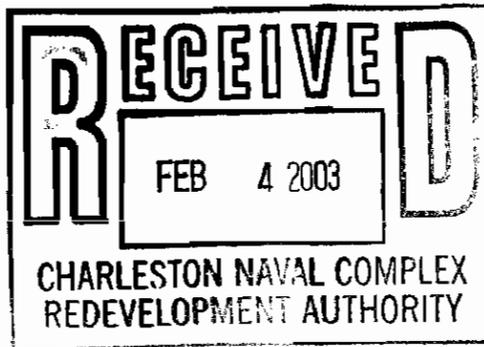
We are forwarding the subject digging permit request for your review and comment. Thanks for your assistance.

Sincerely,

Sean P. McDonell, P. E.  
Operations Director

/enclosures

3246 Fortune Dr.  
North Charleston, S.C. 29418



Job # 39c21141n

January 31, 2003

Mr. Sean P. MCDonell, P.E.  
Engineering Director  
Charleston Naval Complex  
Redevelopment Authority  
1360 Truxton Avenue  
North Charleston, SC 29405

Dear Mr. McDonell:

BellSouth Telecommunications, Inc requests permission to place 20 feet of buried telephone cable at the corner of Hobson Ave. and Sarsi Street from an existing manhole, over to the right-of-way to provide service for 2143 Thompson Ave.

If you have any questions, please contact Debbie McCandless at 722-5081.

Yours Truly,

A handwritten signature in cursive script that reads "Debbie McCandless".

D. S. McCandless  
Specialist

Attachments



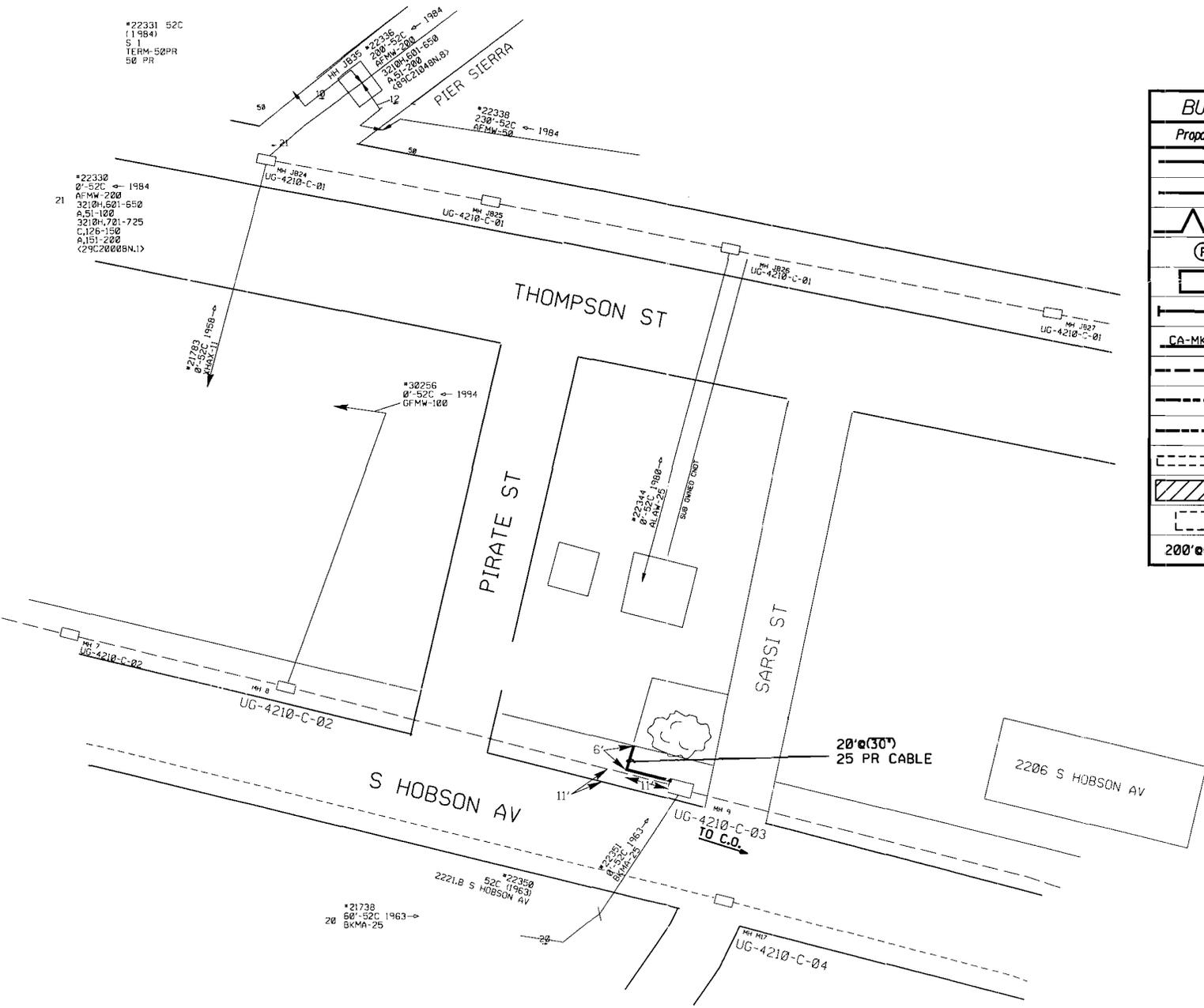
\*22331 52C  
 (1984)  
 S 1  
 TERM-50PR  
 50 PR

\*22330  
 0'-52C ← 1984  
 A1M-200  
 32104.601-650  
 A.51-100  
 32104.701-725  
 C.126-150  
 A.151-200  
 (29C20008N.1)

\*30256  
 0'-52C ← 1994  
 GFMW-100

\*21738  
 50'-52C 1963 →  
 20 SKMA-25

\*22350  
 52C (1963)  
 2221.B S HOBSON AV



BURIED SYMBOL LEGEND		
Proposed	Existing	Description
		BURIED CABLE
		BUR JOINT-TRENCH
		ENCLOSURE
		ENCLOSURE
		MANHOLE
		PIPE/CONDUIT
		CABLE MARKER
		BURIED SVC WIRE
		BURIED SVC WIRE
		JOINT-TRENCH SVC
	N/A	BORE
	N/A	CUT PAVEMENT
	N/A	SPLICING PIT
	N/A	TRENCH LENGTH

NO SCALE

**BellSouth Telecommunications**

PROPOSED TELEPHONE FACILITIES  
 ON RIGHT OF WAY OF  
 CHARLESTON NAVY BASE

HOBSON AVE

Exchange: NORTH

Designer: D. MCCANDLESS

Phone: 843-722-5081

Authorization: 39C21141N

Dwg. 1 of 1

# CHARLESTON RETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> NS-1 (S. SIDE TO S. HOBSON)	<b>Contractor:</b> ROURIK CONSTRUCTION	<b>Date of Request:</b> 02/11/03
<b>Has the proposed work been staked out?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<b>Facility/ Work Involved (Please check below)</b>		
Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>	
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input checked="" type="checkbox"/>
Method of Excavation:	Hand Ditcher <input type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
		Auger <input type="checkbox"/>
		<input type="checkbox"/> Other: _____

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

EXCAVATE & FILL TRENCH FOR 8" SANITARY SEWER LINE FROM FRONT OF BULLONG NS-1 TO MAN HOLE IN SOUTH HOBSON AVE. DEPTH OF EXCAVATION TO BE APPROX 4 1/2 FT DEEP. LENGTH TO BE APPROX 110 FT LONG. MANHOLE NEXT TO FRONT OF NS-1. EXCAVATION TO INCLUDE A NEW

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Permit Required:</b> 02/11/03	<b>Termination Date of Permit:</b> 02/28/03
<b>Signature of Requesting Official:</b> <i>[Signature]</i>	<b>Date:</b> 02/4/03 <b>Phone Number:</b> 743-2045 XT 107

<p><b>Points of Contact:</b></p> <p>CPW : Robert Sagasser (work) 529-0653 (page) 570-0390</p> <p>SCE&amp;G: R.W. Smith (work) 745-6381</p> <p>RDA: Gene Knisley Sewer POC: (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>U.S. BORDER PATROL</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (AOC 678)</li> <li>5. Has DHEC been notified? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? (See Attached Map)</li> <li>11. What is the serial # of forwarding letter to RDA? <u>N/A</u></li> </ol>
<b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> <i>[Signature]</i>	<b>Date out:</b> 2/10/03
<b>CH2MHILL/J.A. Jones Signature:</b> <i>[Signature]</i>	
<b>BEC Signature:</b> <i>[Signature]</i>	<b>Serial Number:</b> 097
<b>CSO Officer Signature:</b> <i>[Signature]</i>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 097  
Request Date = 2 February 2003  
Comments Date = 7 February 2003  
Location = Area around NS-1

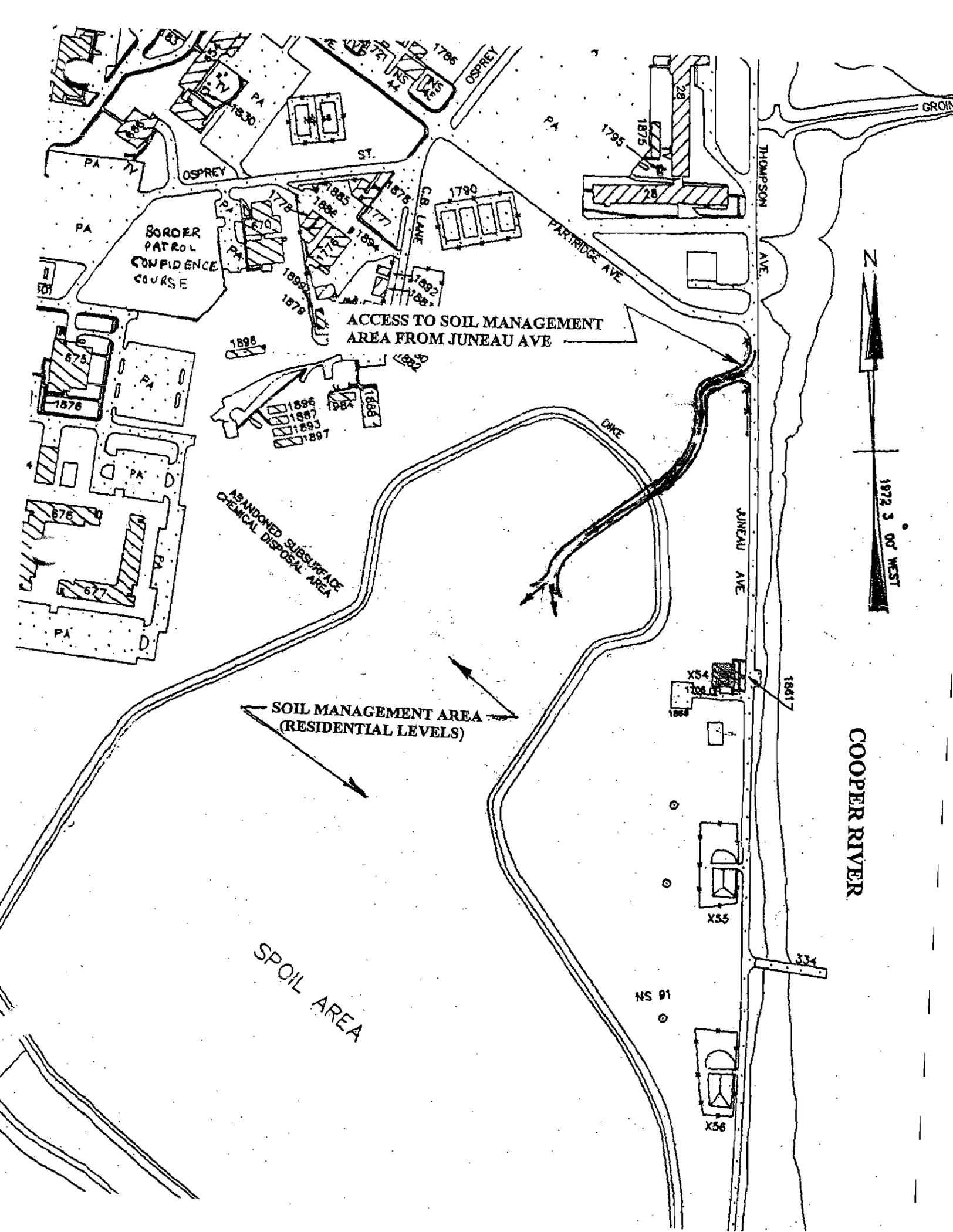
### Environmental Review Comments

This project proposes the following: (a) to excavate and fill trench for an 8" sanitary sewer line.

The Navy has identified that in this area a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site, the CSO should be notified prior to soil being transported to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.



BORDER PATROL CONFIDENCE COURSE

ACCESS TO SOIL MANAGEMENT AREA FROM JUNEAU AVE

ABANDONED SUBSURFACE CHEMICAL DISPOSAL AREA

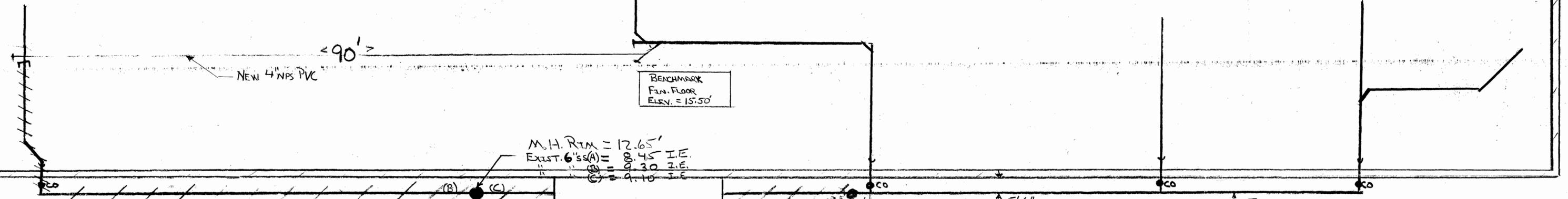
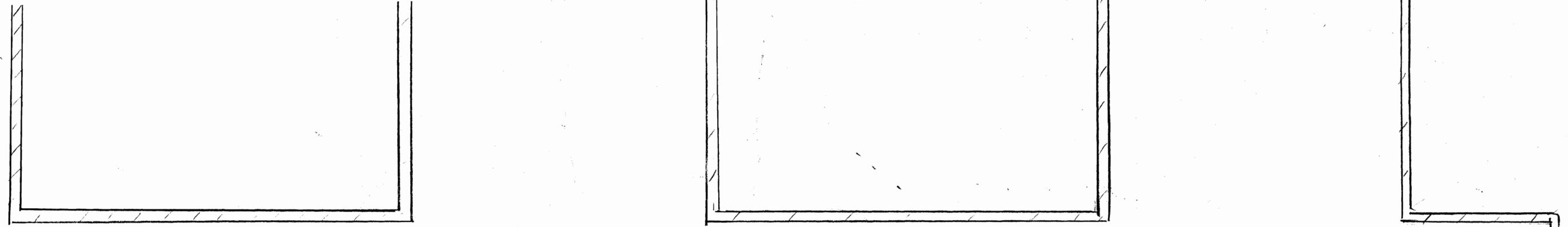
SOIL MANAGEMENT AREA (RESIDENTIAL LEVELS)

SPOIL AREA



COOPER RIVER

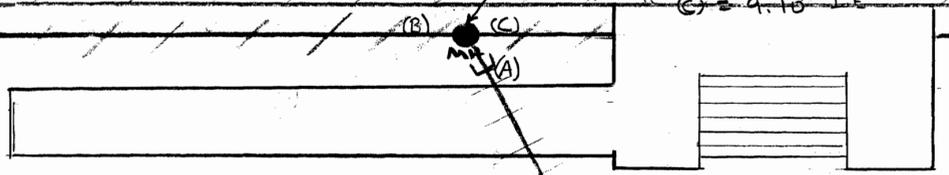
5' 1/2" W.P. 1" V.P.



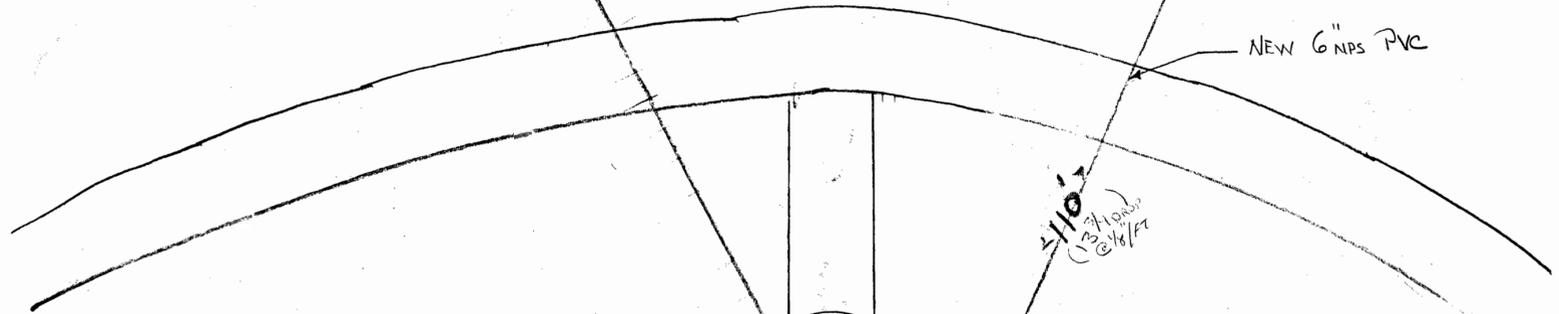
BENCHMARK  
FIN. FLOOR  
ELEV. = 15.50'

M.H. RIM = 12.65'  
EXIST. 6" SS (A) = 9.45' I.E.  
" " (B) = 9.30' I.E.  
" " (C) = 9.15' I.E.

EXISTING  
6" NPS SS



NEW 6" NPS PVC



110'  
(13' 10" @ 1/4")

M.H. RIM = 11.6'  
EXIST. 6" SS (A) = 7.1' I.E.  
" " (B) = 4.9' I.E.

(SEE DIMS IN DWG C-1)

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <i>Industrial yard between Bldgs 195 &amp; 247</i>	<b>Contractor:</b> <i>SHIP TECH</i>	<b>Date of Request:</b> <i>1/15/03</i>
--	--	---

**Has the proposed work been staked out?**  Yes  No

**Facility/ Work involved (Please check below)**

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
<b>Method of Excavation:</b>	Hand <input type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input checked="" type="checkbox"/>	Auger <input type="checkbox"/>

Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

*Excavate approx 50LF 10" water line and repair  
(SEE ATTACHED)*

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <i>ASAP</i>	<b>Termination Date of Permit:</b>
<b>Signature of Requesting Official:</b> <i>[Signature]</i>	<b>Date:</b> <i>1/15/03</i> <b>Phone Number:</b> <i>(843) 747-0010</i>

## Caretaker Site Office Review

<b>Points of Contact:</b> <b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390  <b>SCE&amp;G:</b> R.W. Smith (work) 745-6381  <b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <i>CMMC</i></li> <li>2. Is the Area inside the CIA? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <i>(See Attached Map)</i></li> <li>11. What is the serial # of forwarding letter to RDA? <i>NA</i></li> </ol>
<b>Permit Approved?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> <i>[Signature]</i>	Date out: _____
<b>CH2MHILL/J.A. Jones Signature:</b> <i>[Signature]</i>	
<b>BEC Signature:</b> <i>[Signature]</i>	Serial Number: <i>096</i>
<b>CSO Officer Signature:</b> <i>Amy Daniell</i>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 096  
Request Date = 15 January 2003  
Comments Date = 15 January 2003  
Location = Between Bldg. 195 & Bldg. 247

### Environmental Review Comments

This project proposes the following: (a) to excavate approximately 50 LF to repair a 10" waterline.

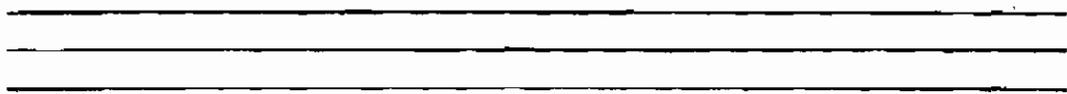
The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.

SHIPTECH AMERICA LLC  
843-744-5191 Phone  
843-744-5126 Fax

TO: Georg Kuisley Fax 747 0054  
FROM: Joe Yantorn  
DATE: 1/15/3  
SUBJECT: FRESH WATER LEAK



2 Pages Sent

Rick - 1/15/03 11:00A  
Urgent request  
See attached -  
Call 747-0010  
or call 442-7517  
TJL [unclear]

To: GENE KUISELY RDA  
From: JOE YANTORU SHIPTECH AMERICA, LLC

SUBJ: FRESH WATER LEAK

GENE,

LAST NIGHT (1/14/03), APPROX 2000 HRS, EMPLOYEES OF OBTIUS SHIPYARD NOTICED WATER COMING UP OUT OF THE GROUND ON THE EAST END OF BLDG. 195. MY EMPLOYEES SECURED THE FIREPUMP ON LINE, BUT THE WATER CONTINUED. I ARRIVED AT THE SHIPYARD SHORTLY AFTER THAT & GAVE INSTRUCTIONS TO SECURE THE ISOLATION VALVES, (5-131 & 5-122) ON THE 10" FRESH WATER MAIN. THIS SECURED THE WATER.

I NEED TO START EXCAVATION IMMEDIATELY ON APPROX A 50' SECTION BETWEEN BLDG 195 & BLDG 247. PLEASE SEND ME A "DIG" PERMIT TO FAX 744-5126. I APPRECIATE THE HELP.

THANKS,  
Joe

# CHARLESTON RETIARER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: <b>WATER SAFETY TRAINING</b> <b>1220 BARRACKS ROAD</b>	Contractor: <b>COURT ONE</b>	Date of Request: <b>11/7/02</b>
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Has the proposed work been staked out?  Yes  No

Facility/ Work Involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand Ditcher <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
		Auger <input type="checkbox"/>

Other: DITCH WITH BACKHOE

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

**\* SEE ATTACHED STATEMENT OF WORK.**

**ONE FOOT DEEP AREA WILL BE EXCAVATED FOR THE ADDITION OF A NEW VOLLEYBALL COURT AND HORSESHOE PIT.**

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: <b>ASAP - 11/12/02</b>	Termination Date of Permit: <b>11/29/02</b>
Signature of Requesting Official: <i>M. South Park</i>	Date: <b>11/7/02</b> Phone Number: <b>296-4511</b>

<b>Points of Contact:</b> <b>CPW: Robert Sagasser</b> (work) 529-0863 (page) 570-0360  <b>SCE&amp;G: R.W. Smith</b> (work) 745-6381  <b>RDA: Gene Knisley</b> Sewer POC: (work) 747-0010	1. Who is the current Land Owner/ Lessee? <b>BORDER PATROL</b>		
	2. Is the Area inside the CIA?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	3. Are any SWMU(s) impacted? If yes, list.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No ( )
	4. Are any AOC(s) impacted? If yes, list.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No ( )
	5. Has DHEC been notified?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	6. Will soil need to be temporarily stockpiled?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	7. What constituents will soil be tested for?		
	8. Soil Test results above residential background?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	9. Soil Test results above industrial background?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	10. Area where soil is to be stockpiled?	<b>(See Attached Map)</b>	
	11. What is the serial # of forwarding letter to RDA?	<b>N/A</b>	

Permit Approved?  Yes  No

CSO Authorizing Signature: *Rick P... 12 Nov 02*

CH2MHILL/J.A. Jones Signature: *J.A. Jones*

BEC Signature: *M.A. Hunt*

CSO Officer Signature: *Amy Daniel*

Serial Number: **095**

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 094

Request Date = 7 November 2002

Comments Date = 12 November 2002

Location = Border Patrol Water Safety Training Building-1220 Barracks Rd.

### Environmental Review Comments

This project proposes the following: (a) to install a volleyball court and a horseshoe pit.

The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.

**Statement of Work  
Construction of Volley Ball and Horse Shoe Pitching Court  
U.S. Border Patrol Academy, Charleston, South Carolina**

**August 9, 2002**

**1. Scope of Services:**

- a. Contractor to provide supervision, labor, and materials to construct a VolleyBall Court and one set of Horseshoe pitching pits. The United States Border Patrol shall provide plastic border panels and metal anchor stakes. The location of this recreational area shall be adjacent to the swimming pool. (Due to lack of as built drawings,) a site visit is recommended prior to submitting bid). See site drawings, Attachments A and B, which is for informational purposes only as to layout of proposed recreational area.

**2. General Notes:**

- a. Contact the Border Patrol Academy Headquarters at (843) 743-2858 ext. 167 prior to start of project to schedule a pre-construction meeting. Contractor shall coordinate all work with the Border Patrol point of contact.
- b. The contractor, at no cost to the government, shall repair damages caused by the contractor to any government property as directed by the contracting officer or his/her designated representative.
- c. The contractor shall comply with all federal, state, and local safety and environmental guidelines pertaining to the specific work being performed.

**3. Quality Assurance:**

- a. The contractor shall accomplish all work in accordance with established commercial practices and building codes.
- b. All work required by this contract shall be accomplished to the satisfaction of the contracting officer or his/her designated representative.
- c. Contractor shall provide a one-year warranty on labor and materials.

Attn: Scott Peck

From: Amy Daniell  
(743-2985)

Subj: Digpermit for volleyball Court  
and horseshoe pit.

3 pages (including this one.)

# CHARLESTON RETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: <u>WATER SAFETY TRAINING</u> <u>SITE - 1220 BARRACKS RD</u>	Contractor: <u>GREEN ACRES</u> <u>LANDSCAPING</u>	Date of Request: <u>10/30/02</u>
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Has the proposed work been staked out?  Yes  No

Facility/ Work Involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	
Overhead Lines <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand Ditcher <input checked="" type="checkbox"/>	Power Shovel <input type="checkbox"/>
		Auger <input type="checkbox"/>
		<input type="checkbox"/> Other: _____

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

ONE FOOT DEEP TRENCH FOR BURYING IRRIGATION SYSTEM  
PIPE. WORK TO BE PERFORMED AROUND ALL LANDSCAPED  
AREAS OF SWIMMING POOL. SEE ATTACHED DRAWING

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: <u>ASAP</u>	Termination Date of Permit: <u>12/30/02</u>
Signature of Requesting Official: <u>[Signature]</u>	Date: <u>10/30/02</u> Phone Number: <u>743-2864 EXT 166</u>

<b>Points of Contact:</b> CPW : Robert Sagasser (work) 529-0653 (page) 570-0390  SCE&G: R.W. Smith (work) 745-6381  RDA: Gene Knisley Sewer POC: (work) 747-0010	1. Who is the current Land Owner/ Leasee? <u>Border Patrol</u>		
	2. Is the Area inside the CIA?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	3. Are any SWMU(s) impacted? If yes, list.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No ( )
	4. Are any AOC(s) impacted? If yes, list.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No ( )
	5. Has DHEC been notified?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	6. Will soil need to be temporarily stockpiled?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	7. What constituents will soil be tested for?		
	8. Soil Test results above residential background?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	9. Soil Test results above industrial background?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	10. Area where soil is to be stockpiled?		(See Attached Map)
	11. What is the serial # of forwarding letter to RDA?	<u>N/A</u>	

Permit Approved?  Yes  No

CSO Authorizing Signature: <u>[Signature]</u>	Date out: <u>Nov 6, 2002</u>
PHILL/J.A. Jones Signature: <u>[Signature]</u>	
BEC Signature: <u>[Signature]</u>	Serial Number: <u>094</u>
CSO Officer Signature: <u>[Signature]</u>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 094

Request Date = 30 October 2002

Comments Date = 6 November 2002

Location = Border Patrol Water Safety Training Building-1220 Barracks Rd.

### Environmental Review Comments

This project proposes the following: (a) to install an irrigation system.

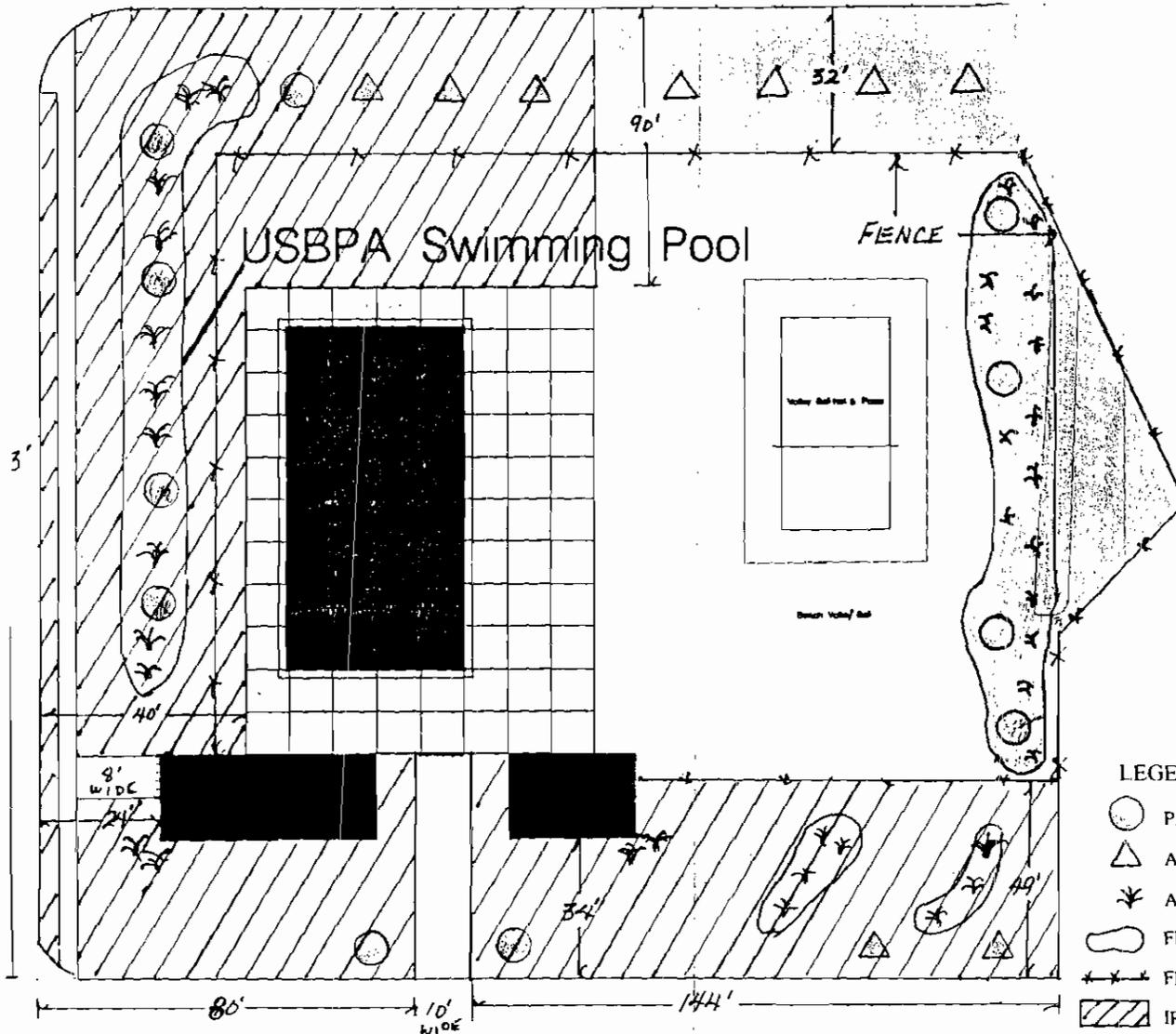
The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.

DRESS RD.

BARRACKS RD



LEGEND

- PALM TREES
- ASSORTED TREES
- ASSORTED SHRUBS
- FLOWER BEDS
- FENCE
- IRRIGATION COVERAGE
- SHADED AREA (OPTIONAL)

ATTACHMENT "A"

AUTOMATIC IRRIGATION SYSTEM  
INSTALLATION PLANS

ILITE ST

**CHARLESTON RETAKER SITE OFFICE EXCAVATION PERMIT**

Requester: Fill out top portion, Sign and date.

Location: AREA AROUND NS-1 Contractor: LIGHTNING ENTERPRISES Date of Request: 10/30/02

Has the proposed work been staked out?  Yes  No

Facility/ Work Involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____	Communications <input type="checkbox"/>
Overhead Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
Method of Excavation:	Hand <input type="checkbox"/>	Auger <input type="checkbox"/>
	Ditcher <input checked="" type="checkbox"/>	<input type="checkbox"/> Other: _____

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

ONE FOOT DEEP TRENCH FOR BURYING SPRINKLER IRRIGATION SYSTEM PIPE. WORK TO BE PERFORM AROUND ALL LANDSCAPED AREAS OF BLOG NS-1 - SEE ATTACHED DRAWING

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: ASAP Termination Date of Permit: 12/30/02

Signature of Requesting Official: [Signature] Date: 10/30/02 Phone Number: 743-2864 EXT 166

**Points of Contact:**  
 CPW : Robert Sagasser  
 (work) 529-0653  
 (page) 570-0390

SCE&G: R.W. Smith  
 (work) 745-6381

RDA: Gene Knisley  
 Sewer POC:  
 (work) 747-0010

1. Who is the current Land Owner/ Leasee? Border Patrol

2. Is the Area inside the CIA?  Yes  No

3. Are any SWMU(s) impacted? If yes, list.  Yes  No ( )

4. Are any AOC(s) impacted? If yes, list.  Yes  No (ADC 678)

5. Has DHEC been notified?  Yes  No

6. Will soil need to be temporarily stockpiled?  Yes  No

7. What constituents will soil be tested for? \_\_\_\_\_

8. Soil Test results above residential background?  Yes  No

9. Soil Test results above industrial background?  Yes  No

10. Area where soil is to be stockpiled? (See Attached Map)

11. What is the serial # of forwarding letter to RDA? N/A

Permit Approved?  Yes  No

CSO Authorizing Signature: [Signature] Date out: Nov 6, 2002

CHILL/J.A. Jones Signature: [Signature]

BEC Signature: [Signature] Serial Number: 093

CSO Officer Signature: [Signature]

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 093  
Request Date = 30 October 2002  
Comments Date = 6 November 2002  
Location = Area around NS-1

### Environmental Review Comments

This project proposes the following: (a) to install an irrigation system around the building.

The Navy has identified that in this area a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site, the CSO should be notified prior to soil being transported to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.



# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: Tanks 3911 & 3912 (near Pier Kilo) Contractor: Eason Diving & Marine Cont Date: 10/2/02

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation	<input checked="" type="checkbox"/>	Drainage Ditches	<input type="checkbox"/>	Railroad Tracks	<input type="checkbox"/>
Pavements	<input type="checkbox"/>	Other: Tank demolition	<input checked="" type="checkbox"/>	Communications	<input type="checkbox"/>
Overhead Lines	:	Utilities	<input type="checkbox"/>	Communications	<input type="checkbox"/>
Underground Lines	:	Utilities	<input type="checkbox"/>	Power Shovel	<input checked="" type="checkbox"/>
Method of Excavation:		Hand	<input checked="" type="checkbox"/>	Auger	<input type="checkbox"/>
		Ditcher	<input type="checkbox"/>		

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
Please see attached letter and pictures by Eason Diving for details.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required:

ASAP

Signature of Requesting Official:

Termination Date of Permit:

6/1/03

Date:

10/2/02

Phone Number:

843-747-0010

## Caretaker Site Office Review

Points of Contact:

CPW : Robert Sagasser  
(work) 529-0653  
(page) 570-0390

SCE&G: R.W. Smith  
(work) 745-6381

RDA: Gene Knisley  
Sewer POC:  
(work) 747-0010

1. Who is the current Land Owner/ Leasee? Eason Diving
2. Is the Area inside the CIA?  Yes  No
3. Are any SWMU(s) impacted? If yes, list.  Yes  No ( )
4. Are any AOC(s) impacted? If yes, list.  Yes  No ( )
5. Has DHEC been notified?  Yes  No
6. Will soil need to be temporarily stockpiled?  Yes  No
7. What constituents will soil be tested for? \_\_\_\_\_
8. Soil Test results above residential background?  Yes  No
9. Soil Test results above industrial background?  Yes  No
10. Area where soil is to be stockpiled? (See Attached Map)
11. What is the serial # of forwarding letter to RDA? 051

Permit Approved?

Yes

No

*after wells have been abandoned. Please see note by CH2M-Jones*

CSO Authorizing Signature: [Signature]

Date out: 29 October 2002

CH2MHILL/J.A. Jones Signature: [Signature]

BEC Signature: [Signature]

Serial Number: 092

CSO Officer Signature: [Signature]

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 092

Request Date = 2 October 2002

Comments Date = 29 October 2002

Location = Vicinity of Pier Kilo and Pierside Street

### Environmental Review Comments

This project proposes the following: (a) to demolish above ground storage tanks, concrete stairs, and earth berm.

The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.

## CH2M-JONES, LLC

---

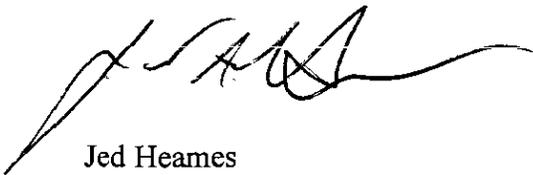
October 7, 2002

To: Charleston Caretaker Site Office (CSO)  
From: CH2M-Jones, LLC

Subject: DIG PERMIT FOR REMOVAL OF TANKS AND FENCE ALTERATION BY  
EASON DIVING, CSO LOG NUMBER 092

CH2M-Jones, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 92L. The work area shown in the permit is associated with Area 9 of the Fuel Distribution System (FDS). South Carolina Department of Health and Environmental Control (SCDHEC) has issued a No Further Action for Area 9, which allows CH2M-Jones, LLC to abandon the ground monitoring wells associated with Area 9. CH2M-Jones has directed a subcontractor to abandon the wells and it's expected they'll be abandoned in the next couple of weeks. CH2M-Jones, LLC will contact Eason Diving following the proper abandonment of the FDS Area 9 ground monitoring wells so Eason Diving can notify Mr. Bishop of SCDHEC per his direction (See memo from Eason to Mr. Sean McDonnell of the Redevelopment Authority, CNC, dated September 27, 2002). CH2M-Jones, LLC would also like to stress that Eason's subcontractor take precautions to ensure there is no release of petroleum contaminants in either the tanks or fuel lines and should such a release occur they contact CH2M-Jones, LLC at (843) 740-2780.

Respectfully,  
CH2M-Jones, LLC



Jed Heames  
Site Superintendent



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 180010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090

Ser CSO/051

29 October 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: EASON DIVING'S REQUEST TO DEMOLISH ABOVE GROUND STORAGE TANKS, CONCRETE STAIRS AND EARTH BERM**

Your letter of 2 October 2002 forwarded a request to demolish the subject items in the vicinity of Pier Kilo along Pierside Street, for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved after CH2M-Jones, LLC has abandoned the wells in that area. CH2M-Jones will contact Eason Diving following the proper abandonment of the ground monitoring wells. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions.

If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in black ink that reads "Amy Daniell". The signature is written in a cursive style with a large, prominent "A" and "D".

Amy Daniell  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**



**Eugene R. Ott**  
*Assistant Secretary/Treasurer*

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

October 2, 2002

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

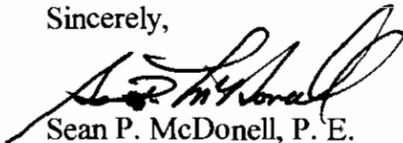
**Subject: EASON DIVING'S REQUEST TO DEMOLISH ABOVE GROUND  
STORAGE TANKS, CONCRETE STAIRS AND EARTH BERM**

Dear Amy:

We are forwarding the subject digging permit request for the demolition of the subject items in the vicinity of Pier Kilo along Pierside Street. The attached letter from Eason Diving contains pictures of the items slated for demolition. The tenant has made contact with SCDHEC concerning this demolition effort. The tenant will also be relocating a portion of fence to coincide with his new property line. Please see the attached plat. The existing fence that runs along the south side of the tanks will be moved north to coincide with the 320.27' northern boundary of his property.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,



Sean P. McDonell, P. E.  
Operations Director

/enclosures



LICENSED GENERAL CONTRACTOR

---

COMMERCIAL DIVING SERVICES • CONSULTING SERVICES • POLLUTION CONTROL SERVICES

---

2668 SPRUILL AVENUE, CHARLESTON, S.C. 29405 • P.O. BOX 70040, CHARLESTON, S.C. 29415 • OFFICE (843) 747-0548 • FAX (843) 747-2728  
<http://www.easondiving.com> • e-mail address: [info@easondiving.com](mailto:info@easondiving.com)

September 27, 2002

Mr. Sean McDonell, P.E.  
Engineering Director  
1360 Truxton Avenue - Suite 300  
North Charleston, SC 29405

RE: Eason Diving  
Tank 3911 and 3912 Demolition  
Perimeter Fence Relocation

Dear Mr. McDonell:

As previously discussed with you by our engineer, Davis & Floyd, Inc.'s Rhett Reidenbach, Eason Diving would like to gain permission from the CNC Redevelopment Authority to demolish tanks 3911 and 3912 and relocate the existing perimeter fence. As you are aware, the northern property boundary for the site was revised to add 0.14 acres, which included the tank footprints. Attached is the approved lease plat showing the existing location of the tanks and the perimeter fence.

The two existing steel tanks are 19' in diameter and 30' high and during the Navy's occupation of the Base, were used to store lube and navy special oil. To the best of our knowledge, the tanks have been cleaned and certified by the Navy to be free of contaminants. In order to maximize the future development of the property, Eason Diving proposes to demolish the steel tanks, flatten the earth berm, and demolish the concrete stairs. The demolition will be completed by a licensed and insured Contractor in conjunction with Eason Diving and cleanup of the site will be completed immediately after demolition. The engineer contacted SCDHEC to discuss the tank demolition and SCDHEC relayed that they had no permitting responsibility for the project. However, Michael Bishop with SCDHEC asked to be notified prior to construction so that he can coordinate the removal of the groundwater monitoring wells in the area of the tanks with the Navy.

As shown on the attached plat, the existing perimeter fence along the abandoned northern property line is located approximately 25' from the revised property line. Eason Diving wishes to relocate the existing vinyl coated fence to the new property line.

As previously stated, the approved lease plat is attached as well as four pictures showing the tanks, stairs, and berm. Please review the attached information and our request for removal of the tanks and relocation of the fence and respond at your earliest convenience. Once approval from the RDA has been received, it is our intent to proceed with applying for a City of North Charleston demolition permit.

We appreciate your help in this matter and please feel free to call Rhett Reidenbach or me if you have any questions.

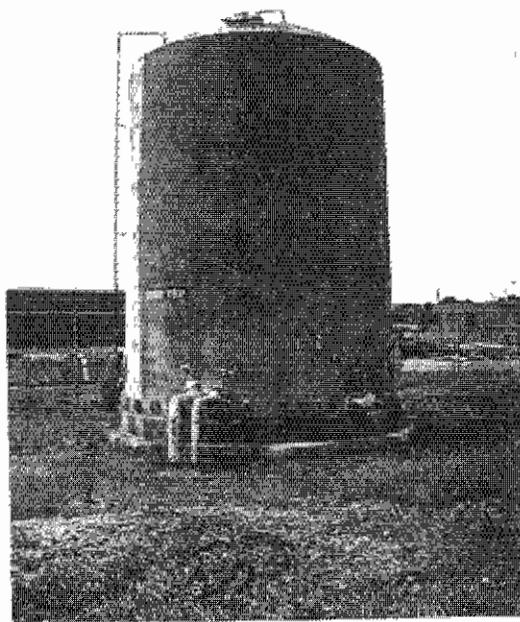
Sincerely,



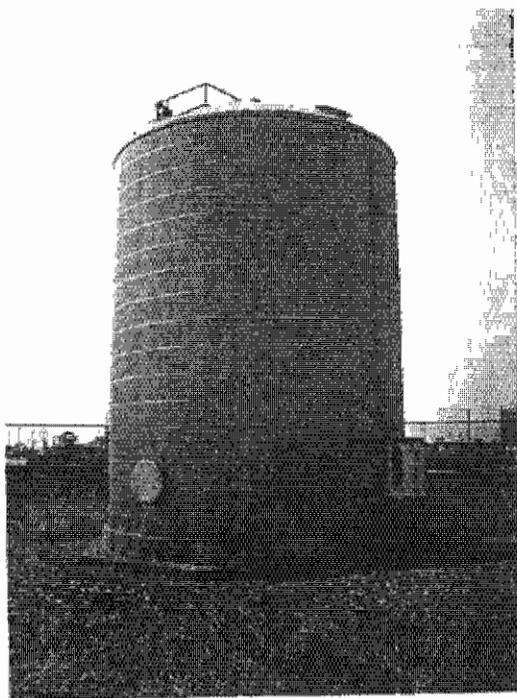
Tom Eason  
President

xc: Rhett Reidenbach, P.E. (D&F)

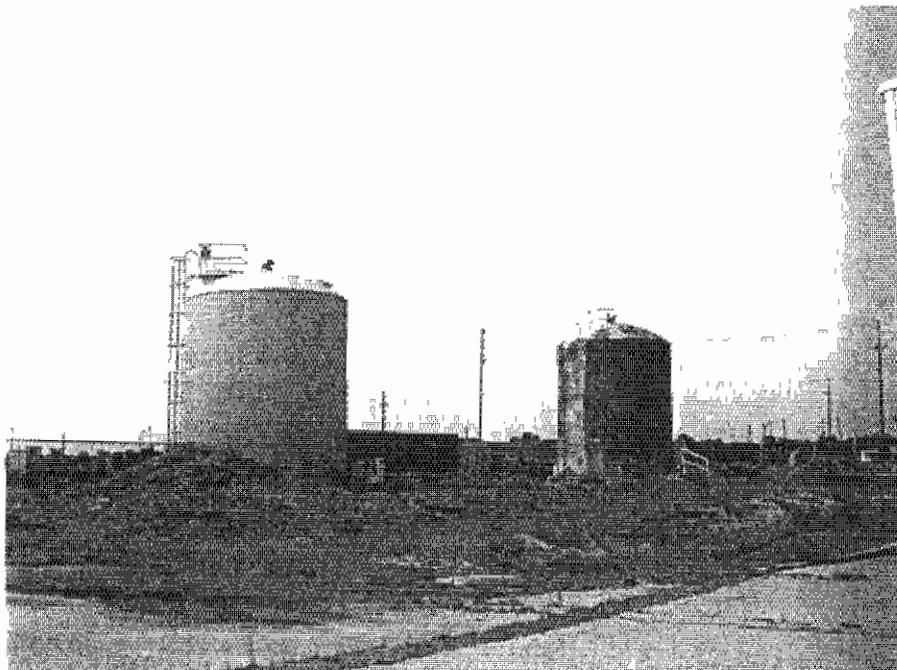
Enclosures



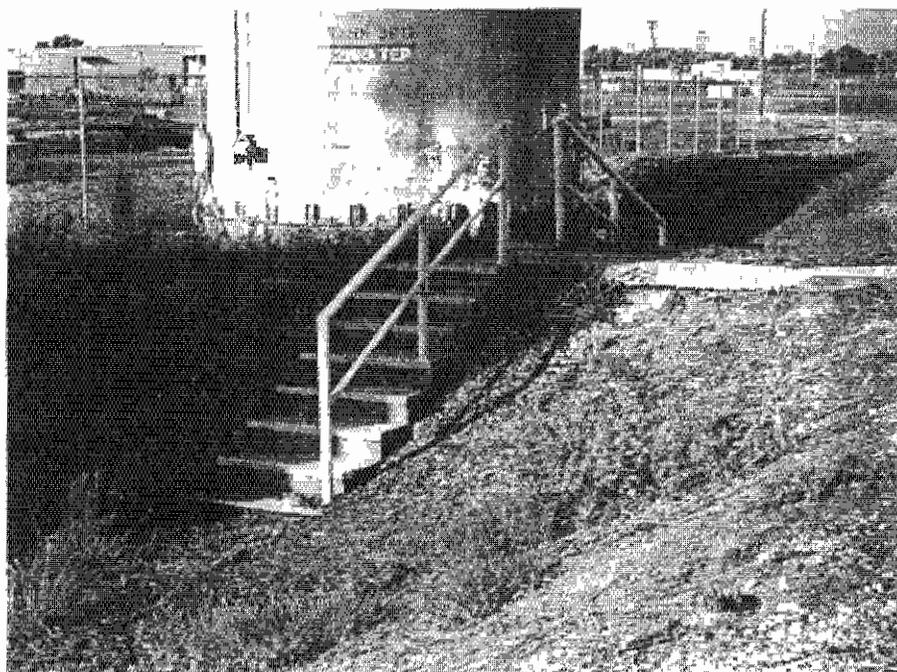
Picture 1. Tank 3912



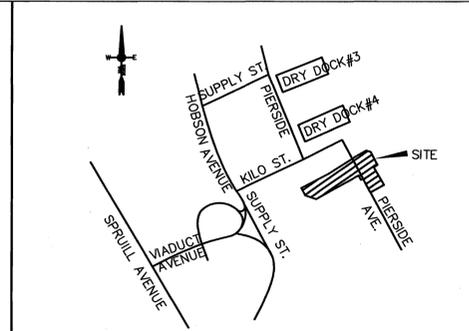
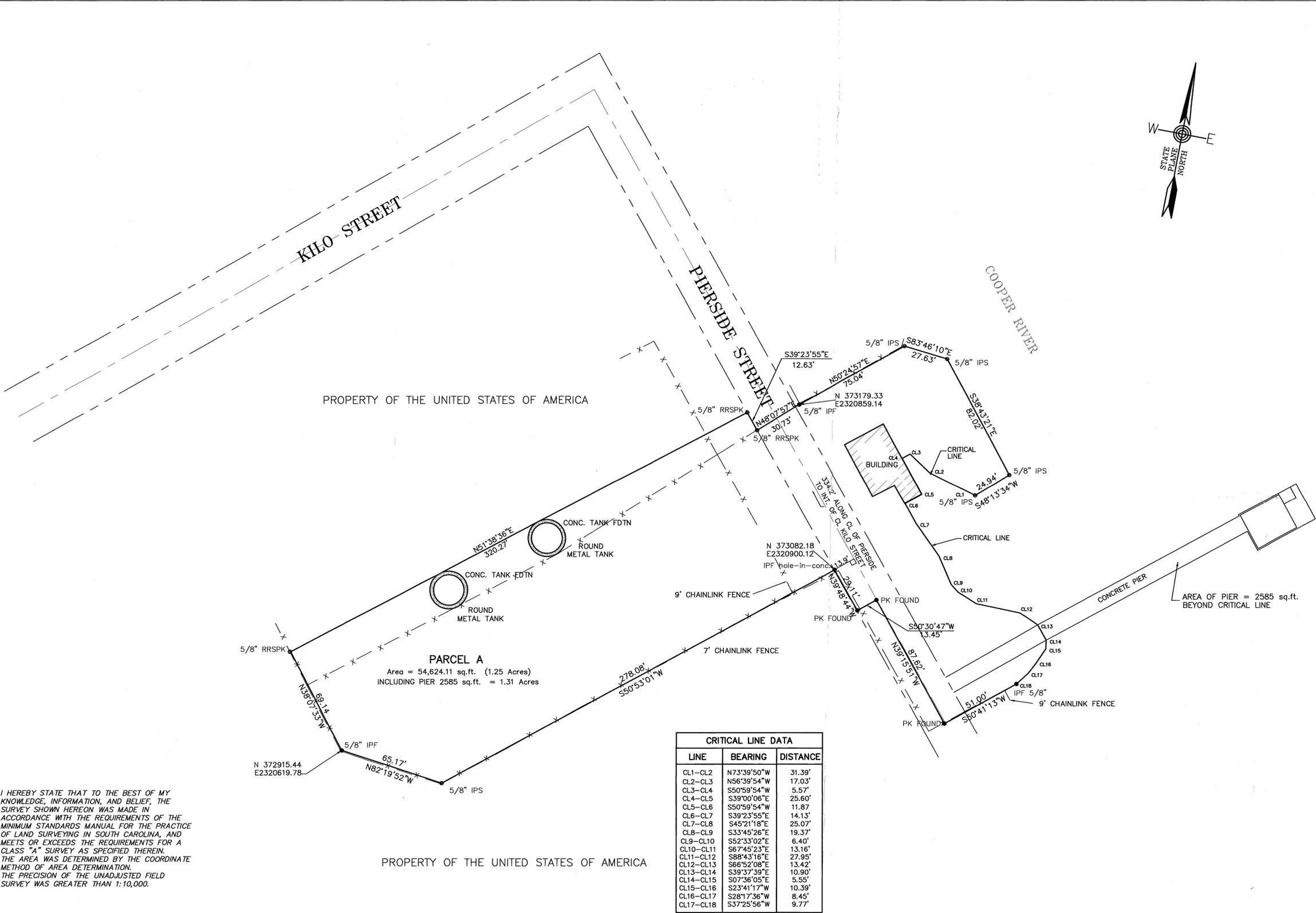
Picture 2. Tank 3911



Picture 3. Tanks 3911, 3912, and Berm



Picture 4. Stairs and Berm



**LOCATION MAP**

**GENERAL NOTES:**

1. THIS PLAT SHOWS ONLY EASEMENTS WHICH ARE OBVIOUS OR APPARENT TO THE SURVEYOR.
2. U.S. ARMY CORPS OF ENGINEERS JURISDICTIONAL WETLAND DETERMINATIONS HAVE NOT BEEN MADE FOR THIS SURVEY.

NOTE: BY GRAPHIC PLOTTING ONLY, THIS PROPERTY APPEARS TO BE IN FLOOD ZONE A7-ELEV 12. AREAS OF MINIMAL FLOODING AS SHOWN ON FLOOD INSURANCE RATE MAP COMMUNITY - PANEL #450042-0014-C EFFECTIVE DATE: 11/5/1986

**REFERENCE PLATS BY:**

- PLAT BOOK-PAGE  
 1. A.W. SCHWACKE - AUG. 31, 2000 PB - PG

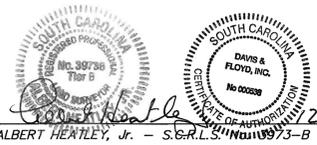
**LEGEND**

- PROPERTY LINE W/IRON SET AS DESCRIBED
- PROPERTY LINE W/ IRON FOUND AS DESCRIBED
- — — — — PROPERTY LINE
- - - - - ADJACENT PROPERTY LINE
- — — — — RIGHT OF WAY
- — — — — EASEMENT LINE
- — — — — CENTER LINE
- X - X - FENCE LINE

**PARCEL A**  
 Area = 54,624.11 sq.ft. (1.25 Acres)  
 INCLUDING PIER 2585 sq.ft. = 1.31 Acres

CRITICAL LINE DATA		
LINE	BEARING	DISTANCE
CL1-CL2	N73°39'50"W	31.39'
CL2-CL3	N56°39'54"W	17.03'
CL3-CL4	S50°59'54"W	5.57'
CL4-CL5	S39°00'06"E	25.60'
CL5-CL6	S50°59'54"W	11.87'
CL6-CL7	S39°23'55"E	14.13'
CL7-CL8	S45°21'18"E	25.07'
CL8-CL9	S33°45'26"E	19.37'
CL9-CL10	S52°33'02"E	6.40'
CL10-CL11	S67°45'23"E	13.16'
CL11-CL12	S88°43'16"E	27.95'
CL12-CL13	S66°52'08"E	13.42'
CL13-CL14	S39°37'39"E	10.90'
CL14-CL15	S07°36'05"E	5.55'
CL15-CL16	S23°41'17"W	10.39'
CL16-CL17	S28°17'36"W	8.45'
CL17-CL18	S37°25'56"W	9.77'

I HEREBY STATE THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THE SURVEY SHOWN HEREON WAS MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE MINIMUM STANDARDS MANUAL FOR THE PRACTICE OF LAND SURVEYING IN SOUTH CAROLINA, AND MEETS OR EXCEEDS THE REQUIREMENTS FOR A CLASS "A" SURVEY AS SPECIFIED THEREIN. THE AREA WAS DETERMINED BY THE COORDINATE METHOD OF AREA DETERMINATION. THE PRECISION OF THE UNADJUSTED FIELD SURVEY WAS GREATER THAN 1:10,000.



**LEASE PLAT**  
 SHOWING  
**PARCEL A**  
 PROPERTY OF  
**UNITED STATES OF AMERICA**  
 ABOUT TO BE LEASED TO  
**SEACREST INVESTMENTS, LTD.**  
 LOCATED IN THE  
**CITY OF NORTH CHARLESTON**  
**CHARLESTON COUNTY, SOUTH CAROLINA**  
 SCALE: 1" = 30' DATE: DECEMBER 19, 2001  
 30 15 0 30 60  
**DAVIS & FLOYD, INC**  
 POST OFFICE BOX 61599  
 CHARLESTON, S.C.  
 PHONE (843) 554-8602

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion. Sign and date.

Location: <b>Building 255</b>	Contractor: <b>Hunley Commission</b>	9/12/02
-------------------------------	--------------------------------------	---------

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <b>Soil Boring</b> <input type="checkbox"/>	Communications <input type="checkbox"/>
Overhead Lines : <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Auger <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
**Demolish the steam piping and supports in front of Building 255.**

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> ASAP	<b>Termination Date of Permit:</b> 3/1/03
<b>Signature of Requesting Official:</b> 	<b>Date:</b> 9/12/02 <b>Phone Number:</b> 843-747-0010

### Caretaker Site Office Review

<b>Points of Contact:</b> CPW : Robert Sagasser (work) 529-0653 (page) 570-0390  SCE&G: R.W. Smith (work) 745-6381  RDA: Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>Hunley Commission</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>091</u></li> </ol>
<b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b>	<b>Date out:</b> <u>20 Sept. 02</u>
<b>CH2MHILL/J.A. Jones Signature:</b>	<b>Serial Number:</b> <u>091</u>
<b>BEC Signature:</b> <u>M. A. Hunt</u>	
<b>CSO Officer Signature:</b>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 091  
Request Date = 12 September 2002  
Comments Date = 20 September 2002  
Location = Perimeter of Bldg. 255

### Environmental Review Comments

This project proposes the following: (a) to demolish the steam piping and support structures.

The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090

Ser CSO/047

20 September 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: HUNLEY COMMISSION REQUEST TO DEMOLISH STEAM  
PIPING & SUPPORT STRUCTURES AROUND PERIMETER OF  
BLDG. 255: DIGGING PERMIT REQUEST**

Your letter of 12 September 2002 forwarded a request to demolish the steam piping and supports in front of Bldg. 255, for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions. If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

Amy Daniell

Caretaker Site Officer

By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**



**Eugene R. Ott**  
*Assistant Secretary/Treasurer*

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

September 12, 2002

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

Subject: **THE HUNLEY COMMISSION REQUEST TO DEMOLISH THE STEAM  
PIPING AND SUPPORT STRUCTURES AROUND THE PERIMETER OF  
BUILDING 255: DIGGING PERMIT REQUEST**

Dear Amy:

We are forwarding the subject digging permit request for the demolition of the steam piping and supports in front of Building 255. Starting point of demolition will be at the CPW property line and the ending point of demolition will be at the corner of Supply Street and Pierside Street. The tenant is having the line tested for asbestos as required by SCDHEC prior to demolition. The only digging will be at the foot of the supports to remove the concrete bases to below the surface.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures

Friends of the Hunley, Inc.  
Warren Lasch Conservation Center

Mailing address  
Post Office Box 21600  
Charleston, SC 29413-1600

Shipping only  
1250 Supply Street  
former Charleston Naval Base, Bldg. 255  
North Charleston, SC 29405

FACSIMILE COVER SHEET

Attention: Sean McDonnell Date: 9-12-02

Company: RDA Fax No.: 747-0054

From: Darlene Russo No. of pages: 2  
(including cover)

Comments:

Letter from Hunley Commission  
regarding steam piping.

Thanks!

D

SEP 12 2002  
FEDERAL BUREAU OF INVESTIGATION  
U.S. DEPARTMENT OF JUSTICE

SEP. 10. 2002 1:59PM

W LASCH

FAX NO. : 843/441480

Sep. NO. 762 P. 2/2  
C. 2002 C. 30M P2

# The Hunley Commission

## COMMISSION MEMBERS

SEN. GLENN F. MCCONNELL, CHAIRMAN  
 CHRISTOPHER M. SULLIVAN, VICE-CHAIRMAN  
 SEN. JOHN W. COURSON  
 SEN. DANIEL A. VERDIN, III  
 REP. KENNETH A. BINGHAM  
 REP. DANIEL T. COOPER  
 REP. HARRY A. "CITTY" LISCHINSKI, III  
 KANDALI G. BURDAGE  
 ADMIRAL WILLIAM L. SCHACHTER, JR.  
 USN RET.



## STAFF

JOHN P. HAZZARD, V  
 COMMISSION COUNSEL  
 HYNICKA K. GUNTER  
 ADMINISTRATIVE ASSISTANT

101 GREENHYTE SENATE OFFICE BUILDING  
 P.O. BOX 142  
 COLUMBIA, SOUTH CAROLINA 29202  
 (803) 212-6610  
 FAX (803) 212-6600

August 27, 2002

Mr. Sean McDonell  
 Charleston Naval Complex  
 Redevelopment Authority  
 1360 Truxton Avenue, Suite 300  
 North Charleston, SC 29405

Reference: Bldg. 255, 1250 Supply Street

Dear Mr. McDonell,

The Hunley Commission would like permission to remove and dispose of the steam piping, associated steel and concrete structures from the perimeter of Building 255 at the Charleston Naval Base. This renovation will improve the appearance of our facility and the surrounding area.

If you approve of the above stated renovations, please provide us with a Ground Disturbance Permit so the work can be performed.

Please note we will have an asbestos study performed prior to the work as a safety precaution.

If you have any questions, please contact Darlene Russo at (843) 743-4865, ext. 12.

Sincerely,

Glenn F. McConnell  
 Chairman, Hunley Commission

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: Building C (647), 645+649@ State Dept. Complex, Bainbridge Ave. Contractor: HITT Contracting Inc. Date of Request: 9/3/2002

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input checked="" type="checkbox"/>	Other: _____	
Overhead Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input checked="" type="checkbox"/>	Communications <input checked="" type="checkbox"/>
Method of Excavation:	Hand <input type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input checked="" type="checkbox"/>

Other: \_\_\_\_\_

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

Demolition of Buildings C (647), 645+649 at the Department of State Complex. Underground work will consist of the removal of some below-ground structures+utilities, also installation of fence posts.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: 9/6/2002 Termination Date of Permit: 11/15/2002

Signature of Requesting Official: Hank Kemp Date: 9/3/2002 Phone Number: 308-9467

## Caretaker Site Office Review

<p><b>Points of Contact:</b>                  CPW : Robert Sagasser                  (work) 529-0653                  (page) 570-0390</p> <p>SCE&amp;G: R.W. Smith                  (work) 745-6381</p> <p>RDA: Gene Knisley                  Sewer POC:                  (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>State Department</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( _____ )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( _____ )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>N/A</u></li> </ol>
---	--

Permit Approved?  Yes  No

CSO Authorizing Signature: [Signature] Date out: 4 Sept. 02

CH2MHILL/J.A. Jones Signature: [Signature]

BEC Signature: M.A. Hunt Serial Number: 090

CSO Officer Signature: [Signature]

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 090  
Request Date = 3 September 2002  
Comments Date = 4 September 2002  
Location = Bldg. 647-C, 645, & 649

### Environmental Review Comments

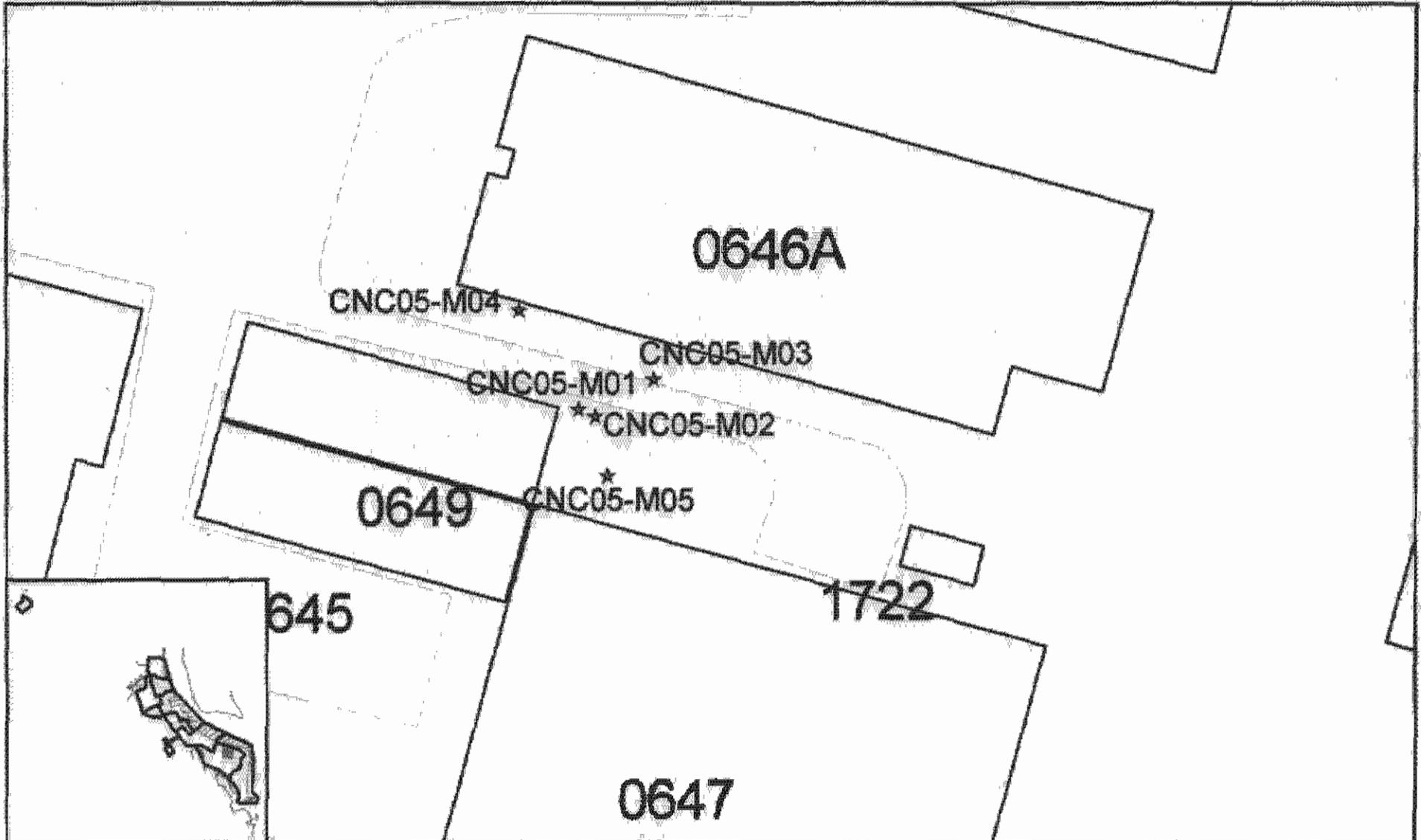
This project proposes the following: (a) to demolish the buildings (b) remove below-ground structures and utilities (c) install fence posts.

The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.

NOTE: Original figure created in color



- Indoor Air
- Soil Gas
- Concrete
- Groundwater Probe
- Groundwater Well
- MIP
- Soil Boring
- Sediment
- Soil Probe
- Surface Soil
- ▲ Surface Water
- Tissue
- Vertical Profile
- ★ Unknown Media
- Fence
- Railroad
- Pavement
- Sidewalk
- AOC Boundary
- SWMU Boundary
- Buildings
- Zone Boundary
- ▲ N

60 Feet

1 inch = 32.7348 feet

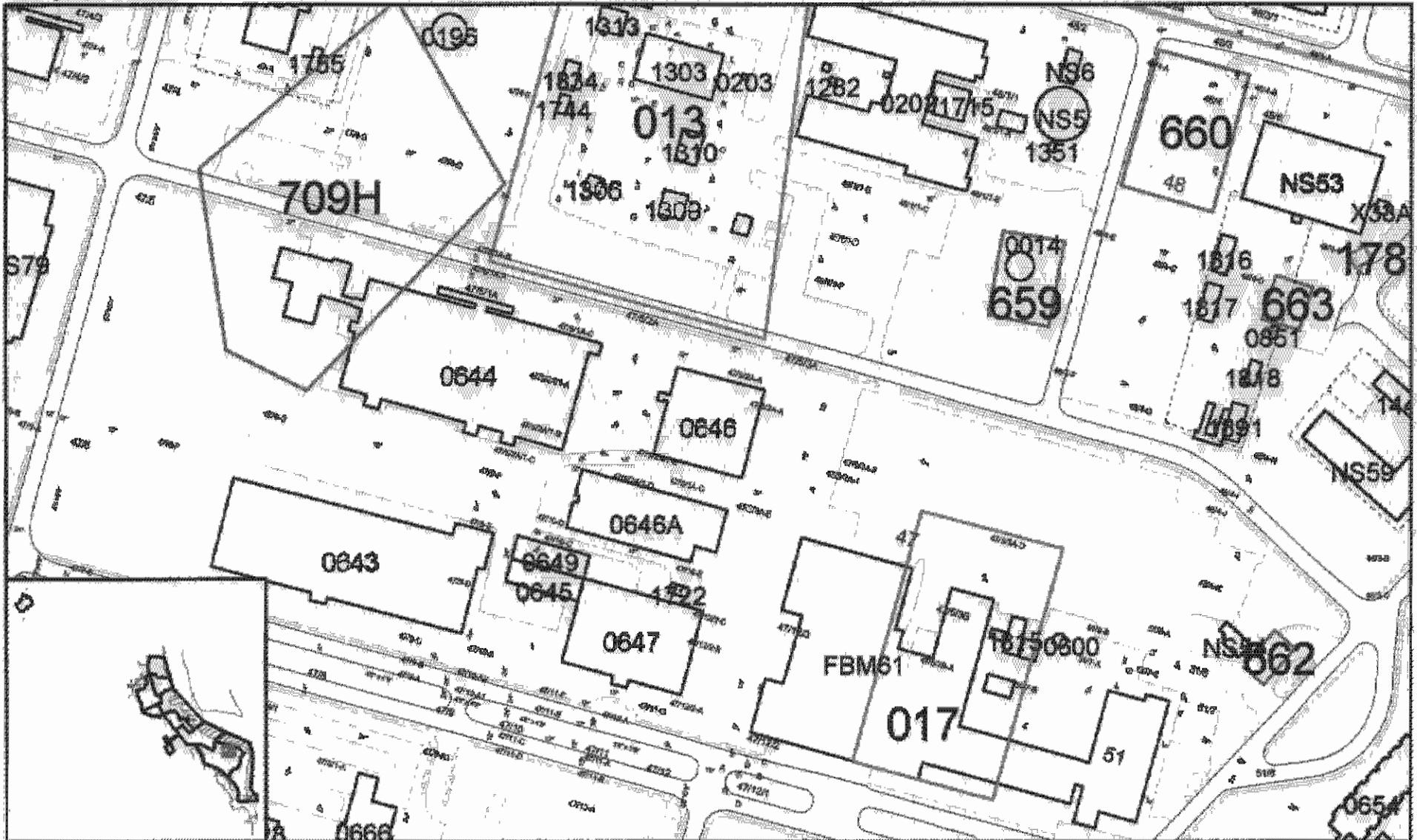
**DRAFT**  
For Review Only

Figure 2  
CNC

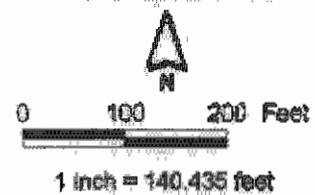
Charleston Naval Complex

**CH2MHILL**

NOTE: Original figure created in color



- Fence
- Railroads
- Roads - Lines
- Pavement
- Sidewalk
- ACC Boundary
- SWMU Boundary
- Buildings
- Zone Boundary



**DRAFT**  
For Discussion Only

Figure 1  
CNC

Charleston Naval Complex

**CH2MHILL**



17 December 1999

2600 Bull Street  
Columbia, SC 29201-1708

COMMISSIONER:  
Douglas E. Bryant

BOARD:  
John H. Burdiss  
Chairman

William M. Hull, Jr., MD  
Vice Chairman

Roger Leuks, Jr.  
Secretary

Mark B. Kent

James C. Mestas, Jr.

Brian K. Smith

Rodney L. Grandy

Department of the Navy  
Southern Division NFEC  
P.O. Box 190010  
North Charleston, SC 29419-9010  
Attention: Mr. Gabriel Magwood

Re: Final Assessment Report dated 5 November 1999  
Zone H/Site 5-Building 647 (Site Identification # 01165)  
Charleston Naval Complex/Charleston Naval Base  
Charleston, SC  
Charleston County

Dear Mr. Magwood:

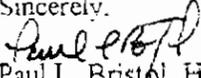
The author has completed technical review of the referenced document. As submitted, the report provides a narrative describing previous assessment activities and analytical results from additional sampling conducted to determine the environmental fate of suspected contamination at the subject property. The analytical results provided indicate that reportable concentrations of BTEX and PAH compounds were detected above established method detection limits in soil and groundwater samples obtained at the subject site. The reported compounds are at a concentration(s) which is at or below the RBSL (Risk-Based Screening Levels, SCDHEC *Risk-Based Corrective Action for Petroleum Releases*, 5 January 1998), proposed RBC (Risk-Based Concentrations for Residential Soils, EPA Region III Risk-Based Concentrations Table, 12 April 1999) and established groundwater MCLs (maximum contaminant levels). Based on the analytical results presented and description of site specific geology/hydrogeology, potential releases, if any, from previous activities at the subject site do not appear to present a significant threat to human health and/or the environment at the present time. In this regard, the employed assessment activities and sampling results appear to indicate that no additional endeavors for remedial actions and/or contaminant characterization is warranted for the Zone H/Site 5 area at this time.

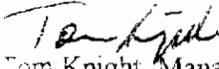
With consideration to the above comments, the Department has reviewed the referenced environmental data. Based on the information and analytical data submitted, the Department recognizes that the Department of the Navy and Charleston Naval Complex has adequately addressed the known environmental contamination identified on the property to date in accordance with the approved scope of work. Please note, this statement pertains only to the portion of the site addressed in the referenced report and does not apply to other areas of the site and/or any other potential regulatory violations. Further, the Department retains the right to request further investigation if deemed necessary.

Charleston Naval Complex/Charleston Naval Base  
17 December 1999  
page 2

Should you have any questions please contact me at (803) 898-3559

Sincerely,

  
Paul L. Bristol, Hydrogeologist  
Groundwater Quality Section  
Bureau of Water

  
Tom Knight, Manager  
Groundwater Quality Section  
Bureau of Water

cc: Trident District EQC

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: Buildings 234, 76 & 32	Contractor: CNCRA	Date: 8/28/02
----------------------------------	-------------------	---------------

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input checked="" type="checkbox"/>	
Pavements <input checked="" type="checkbox"/>	Other: Soil Boring <input type="checkbox"/>		
Overhead Lines :	Utilities <input checked="" type="checkbox"/>	Communications <input checked="" type="checkbox"/>	
Underground Lines :	Utilities <input checked="" type="checkbox"/>	Communications <input checked="" type="checkbox"/>	
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>	<input type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>	

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

Please see attached Davis & Floyd 100% Drawings dated June 28, 2002 for details.

Work includes the hazardous material abatement and demolition of Building 234, Building 76 and the exterior mechanical equipment around Building 32.

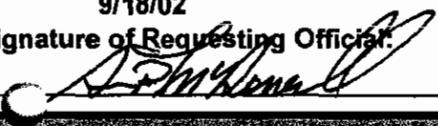
Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required:

9/18/02

Termination Date of Permit:

10/1/03

Signature of Requesting Officer: 

Date:

8/28/02

Phone Number:

843-747-0010

## Caretaker Site Office Review

Points of Contact:

CPW : Robert Sagasser  
(work) 529-0653  
(page) 570-0390

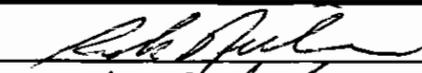
SCE&G: R.W. Smith  
(work) 745-6381

RDA: Gene Knisley  
Sewer POC:  
(work) 747-0010

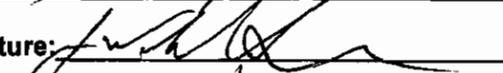
1. Who is the current Land Owner/ Leasee? RDA
2. Is the Area inside the CIA?  Yes  No
3. Are any SWMU(s) impacted? If yes, list.  Yes  No ( )
4. Are any AOC(s) impacted? If yes, list.  Yes  No ( )
5. Has DHEC been notified?  Yes  No
6. Will soil need to be temporarily stockpiled?  Yes  No
7. What constituents will soil be tested for? \_\_\_\_\_
8. Soil Test results above residential background?  Yes  No
9. Soil Test results above industrial background?  Yes  No
10. Area where soil is to be stockpiled? (See Attached Map)
11. What is the serial # of forwarding letter to RDA? 046

Permit Approved?

Yes  No

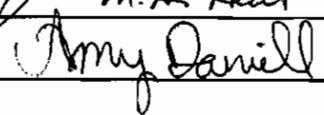
CSO Authorizing Signature: 

Date out: 20 Sept. 02

CH2MHILL/J.A. Jones Signature: 

BEC Signature: M.A. Hunt

Serial Number: 089

CSO Officer Signature: 

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 089

Request Date = 28 August 2002

Comments Date = 20 September 2002

Location = Bldg. 234, Bldg. 76, & Bldg. 32

### Environmental Review Comments

This project proposes the following: (a) to demolish exterior mechanical equipment of Bldg. 234, 76, & 32.

The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090

Ser CSO/046

20 September 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: DEMOLITION OF BLDG. 234, BLDG. 76, & BLDG. 32 EXTERIOR  
MECHANICAL EQUIPMENT: DIGGING PERMIT REQUEST**

Your letter of 28 August 2002 forwarded a request to make demolish the exterior mechanical equipment of the subject building, for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions. If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

Amy Daniell

Caretaker Site Officer

By the direction of the Commander

**James C. Bryan**  
*Chairman*  
**Lonnie Hamilton, III**  
*Vice Chairman*  
**Ronnie M. Givens**  
*Secretary/Treasurer*  
**James M. Deaton**



**Eugene R. Ott**  
*Assistant Secretary/Treasurer*  
**James S. Minor, Jr.**  
**Lou Mintz**  
**Jack C. Sprott**  
*Executive Director*

August 28, 2002

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

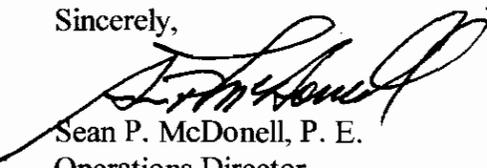
**Subject: DEMOLITION OF BUILDING 234, BUILDING 76 & BUILDING 32  
EXTERIOR MECHANICAL EQUIPMENT:  
DIGGING PERMIT REQUEST**

Dear Amy:

We are forwarding the subject digging permit request to construct the subject project. This project is an EDA Grant funded project that is currently in the 100% review and comment stage of design. Two contracts will be advertised and awarded to accomplish this work. The first contract will be a hazardous material abatement contract. We anticipate advertising it in September and hope to start work in early November. The second contract will be the actual demolition of the above structures and we hope to begin demolition in February 2003.

Please review this request and provide us with your comments.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location: Building 657</b>	<b>Contractor: CMMC/EEG</b>	<b>Date: 8/28/02</b>
-------------------------------	-----------------------------	----------------------

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input checked="" type="checkbox"/>	Other: Soil Boring <input type="checkbox"/>	
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input checked="" type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
**Please see attached drawings by Metal Building Supply Company for details.**  
**Work is to construct a prefabricated metal building in the parking lot behind Building 657.**

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> ASAP	<b>Termination Date of Permit:</b> 3/1/03
<b>Signature of Requesting Official:</b> 	<b>Date:</b> 8/28/02 <b>Phone Number:</b> 843-747-0010

## Caretaker Site Office Review

<p><b>Points of Contact:</b>  <b>CPW :</b> Robert Sagasser                  (work) 529-0653                  (page) 570-0390</p> <p><b>SCE&amp;G:</b> R.W. Smith                  (work) 745-6381</p> <p><b>RDA:</b> Gene Knisley                  Sewer POC:                  (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>EEG</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? (See Attached Map)</li> <li>11. What is the serial # of forwarding letter to RDA? <u>048</u></li> </ol>
--	--

**Permit Approved?**  Yes  No

<b>CSO Authorizing Signature:</b>	<b>Date out:</b> <u>24 September 2002</u>
<b>CH2MHILL/J.A. Jones Signature:</b>	
<b>BEC Signature:</b> <u>A.M. A. Hunt (see attached comment)</u>	<b>Serial Number:</b> <u>088</u>
<b>CSO Officer Signature:</b>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 088

Request Date = 28 August 2002

Comments Date = 24 September 2002

Location = Parking lot of Bldg. 657

### Environmental Review Comments

This project proposes the following: (a) to construct a prefabricated metal building.

The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.

9/24/02

Ms Amy Daniell  
Caretaker Site Office  
Charleston Naval Complex

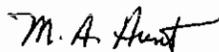
Subject: Excavation Permit #088

Amy,

I have reviewed the subject permit request and have only one comment. In the absence of foundation information it was not possible to determine what volume of soil would necessarily need to be removed to accomplish the foundation construction. This area is not known to be contaminated therefore excess soil can be managed according to the soil management plan in green areas.

If you have any questions please call.

Sincerely



M.A.Hunt  
BRAC Environmental Coordinator



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090

Ser CSO/048

24 September 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: EEG, INC REQUEST TO CONSTRUCT A PREFABRICATED  
METAL BUILDING IN THE PARKING LOT OF BLDG. 657:  
DIGGING PERMIT REQUEST**

Your letter of 28 August 2002 forwarded a request to construct a prefabricated metal building in the parking lot of Bldg. 657, for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial actions. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions. If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

Amy Daniell

Caretaker Site Officer

By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**



**Eugene R. Ott**  
*Assistant Secretary/Treasurer*

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

August 28, 2002

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: EEG, INC REQUEST TO CONSTRUCT A PREFABRICATED METAL  
BUILDING IN THE BUILDING 657 PARKING LOT:  
DIGGING PERMIT REQUEST**

Dear Amy:

We are forwarding the subject digging permit request for EEG, Inc., a subtenant of CMMC, LTD to construct the subject prefabricated metal building in the Building 657 parking lot. They have provided a complete set of engineered construction drawings including the foundation/anchoring plan and contacted the City of North Charleston to obtain a building permit.

Please review this request and provide us with your comments. Please return the drawings as only one set was received by our office. Thanks for your assistance.

Sincerely,

Sean P. McDonell, P. E.  
Operations Director

/enclosures

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: Everglades Drive @ Hobson Avenue      Contractor: CNCRA      Date: 8/28/02

Has the proposed work been staked out?       Yes       No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input checked="" type="checkbox"/>	Railroad Tracks <input checked="" type="checkbox"/>
Pavements <input checked="" type="checkbox"/>	Other: Soil Boring <input type="checkbox"/>	
Overhead Lines :	Utilities <input checked="" type="checkbox"/>	Communications <input checked="" type="checkbox"/>
Underground Lines :	Utilities <input checked="" type="checkbox"/>	Communications <input checked="" type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

Please see attached Thomas & Hutton 100% Drawings dated February 2, 2002 for details.

Work includes a new roundabout at the intersection, improvements to Everglades Drive and Hobson Avenue and Demolition of Building 701. Demolition of Building 1127 will NOT be accomplished under this contract.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

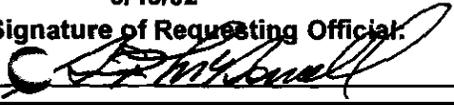
Date Permit Required:

9/18/02

Termination Date of Permit:

10/1/03

Signature of Requesting Official:



Date:

8/28/02

Phone Number:

843-747-0010

### Caretaker Site Office Review

Points of Contact:

CPW : Robert Sagasser  
(work) 529-0653  
(page) 570-0390

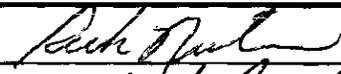
SCE&G: R.W. Smith  
(work) 745-6381

RDA: Gene Knisley  
Sewer POC:  
(work) 747-0010

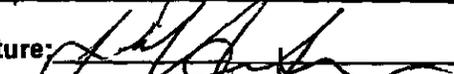
1. Who is the current Land Owner/ Leasee? RDA
2. Is the Area inside the CIA?       Yes       No
3. Are any SWMU(s) impacted?    If yes, list.       Yes       No ( \_\_\_\_\_ )
4. Are any AOC(s) impacted?    If yes, list.       Yes       No ( \_\_\_\_\_ )
5. Has DHEC been notified?       Yes       No
6. Will soil need to be temporarily stockpiled?       Yes       No
7. What constituents will soil be tested for? \_\_\_\_\_
8. Soil Test results above residential background?       Yes       No
9. Soil Test results above industrial background?       Yes       No
10. Area where soil is to be stockpiled?      (See Attached Map)
11. What is the serial # of forwarding letter to RDA?      047

Permit Approved?

Yes       No

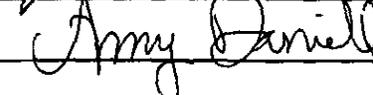
CSO Authorizing Signature: 

Date out: 4 Sept. 02

CH2MHILL/J.A. Jones Signature: 

Signature: M.A. Hest

Serial Number: 057

CSO Officer Signature: 

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 087  
Request Date = 28 August 2002  
Comments Date = 4 September 2002  
Location = Everglades Drive

### Environmental Review Comments

This project proposes the following: (a) to construct roadway improvements.

The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-0010

5090

Ser CSO/042

4 September 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: EVERGLADES DRIVE ROADWAY IMPROVEMENTS: DIGGING PERMIT REQUEST**

Your letter of 28 August 2002 forwarded a request to make roadway improvements to Everglades Drive, for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions. If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

Amy Daniell

Caretaker Site Officer

By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**



**Eugene R. Ott**  
*Assistant Secretary/Treasurer*

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

August 28, 2002

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

Subject: **EVERGLADES DRIVE ROADWAY IMPROVEMENTS:  
DIGGING PERMIT REQUEST**

Dear Amy:

We are forwarding the subject digging permit request to construct the subject project. This project is an EDA Grant funded project that is currently in the 100% review and comment stage of design. We anticipate advertising this project for construction in late September and to make contract award in late October with a construction start date around the first week of November.

Please review this request and provide us with your comments.

Sincerely,

Sean P. McDonell, P. E.  
Operations Director

/enclosures

# CHARLESTON KEIAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: <u>U.S. BORDER PATROL ACADEMY</u> <u>2222 HORSON AV. CHAR. S.C 29405</u>	Contractor: <u>BEG</u>	Date of Request: <u>08/14/02</u>
---	------------------------	----------------------------------

Has the proposed work been staked out?  Yes  No

Facility/ Work Involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	
Overhead Lines <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation: <u>AUGER</u>	Hand Ditcher <input checked="" type="checkbox"/>	Power Shovel <input type="checkbox"/>
		Auger <input type="checkbox"/>
		<input type="checkbox"/> Other: _____

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

DEMOLITION OF METAL BUILDING AND CHAINLINK FENCE ON NORTHWEST SIDE OF BLDG 16. BETWEEN BLDG 16 AND NOAA.

INSTALLATION OF NEW FENCE WHICH WILL REQUIRE DIGGING NEW FENCE POSTS HOLES. APPROX 2' DEEP.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: <u>08/19/02</u>	Termination Date of Permit: <u>08/27/02</u>
Signature of Requesting Official: <u>[Signature]</u>	Date: <u>08/14/02</u> Phone Number: <u>743-2858 9066</u>

Points of Contact:

CPW : Robert Sagasser  
(work) 529-0853  
(page) 570-0390

SCE&G: R.W. Smith  
(work) 745-8381

RDA: Gene Knisley  
Sewer POC:  
(work) 747-0010

- Who is the current Land Owner/ Lessee? Border Patrol
- Is the Area inside the CIA?  Yes  No
- Are any SWMU(s) impacted? If yes, list.  Yes  No
- Are any AOC(s) impacted? If yes, list.  Yes  No
- Has DHEC been notified?  Yes  No
- Will soil need to be temporarily stockpiled?  Yes  No
- What constituents will soil be tested for? \_\_\_\_\_
- Soil Test results above residential background?  Yes  No
- Soil Test results above industrial background?  Yes  No
- Area where soil is to be stockpiled? (See Attached Map)
- What is the serial # of forwarding letter to RDA? N/A

Permit Approved?  Yes  No

CSO Authorizing Signature: [Signature] Date out: 21 Aug 02

CH2MHILL/J.A. Jones Signature: [Signature]

BEC Signature: M.A. Hart Serial Number: 0066

IO Officer Signature: [Signature]

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 086

Request Date = 14 Aug. 2002

Comments Date = 21 Aug. 2002

Location = Northwest Side of Bldg. 16

### Environmental Review Comments

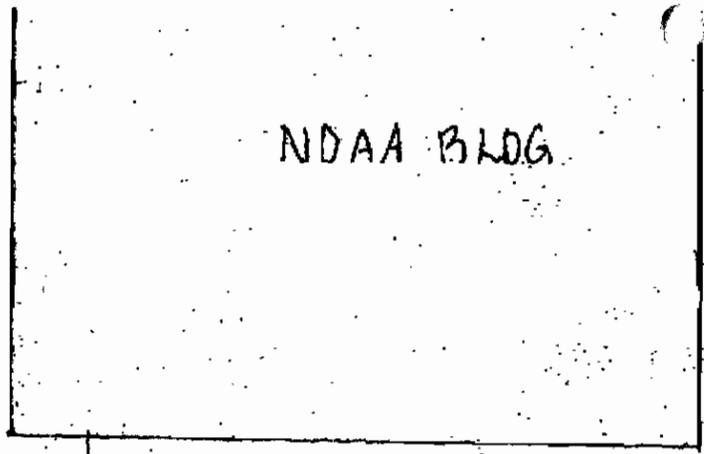
This project proposes the following: (a) to demolish a metal bldg. and chainlink fence  
(b) install new fence.

The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

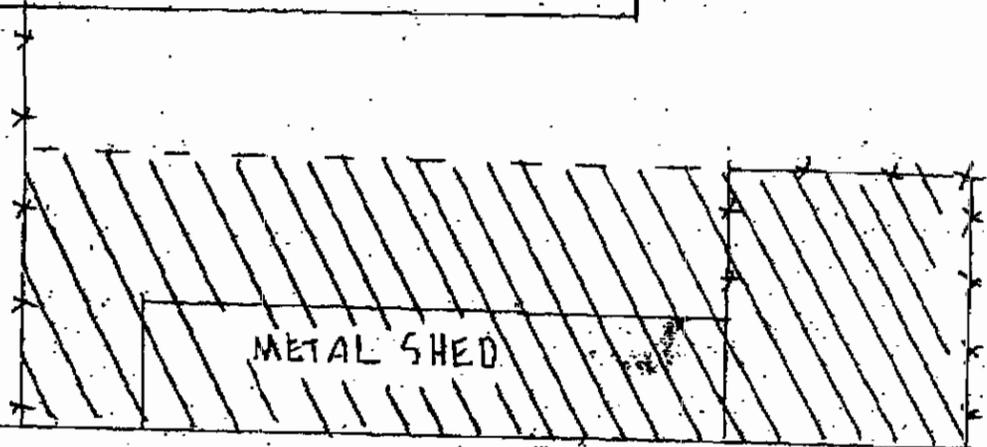
No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.

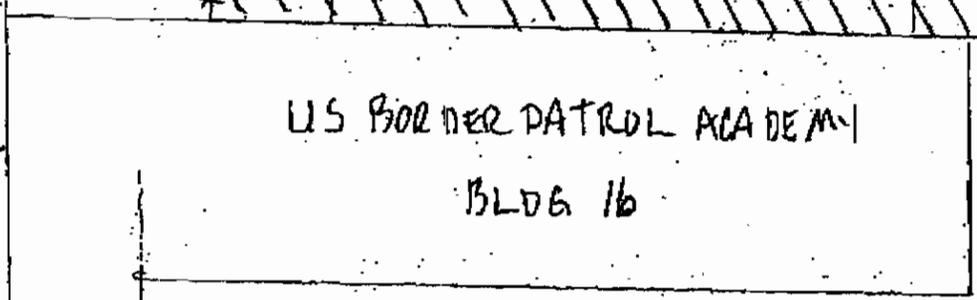
2222 HOBSON AVE



NDAA BLDG

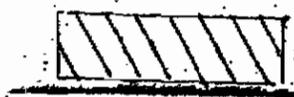


METAL SHED



US BORDER PATROL ACADEMY  
BLDG 16

DEMO AREA



# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> 1435 Hanley Ave	<b>Contractor:</b> Maner Building Supply	<b>Date of Request:</b> 7/26/02
<b>Has the proposed work been staked out?</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
<b>Facility/ Work involved (Please check below)</b>		
Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____ <input type="checkbox"/>	
Overhead Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand Ditcher <input checked="" type="checkbox"/>	Power Shovel <input type="checkbox"/>
		Auger <input checked="" type="checkbox"/>
		<input type="checkbox"/> Other: _____

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

Construct 6' wood privacy fence along rear corners of structure to hedge line on west line of property. Includes 2 - 40' sections, standard 4"x4" posts in ground approx 30'.

SEE ATTACHED SKETCH

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> 8/2/02	<b>Termination Date of Permit:</b> 8/23/02
<b>Signature of Requesting Official:</b> <i>Chrisley</i>	<b>Date:</b> 7/26/02 <b>Phone Number:</b> 747-0010

## Caretaker Site Office Review

<b>Points of Contact:</b>	1. Who is the current Land Owner/ Leasee? <u>Disabilities Board of Charleston</u>
<b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390	2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )
<b>SCE&amp;G:</b> R.W. Smith (work) 745-6381	4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )
	5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010	6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No
	7. What constituents will soil be tested for? _____
	8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No
	9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No
	10. Area where soil is to be stockpiled? <u>(See Attached Map)</u>
	11. What is the serial # of forwarding letter to RDA? <u>N/A</u>
<b>Permit Approved?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> <i>[Signature]</i>	<b>Date out:</b> 30 July 02
<b>CH2MHILL/J.A. Jones Signature:</b> <i>[Signature]</i>	
<b>BE Signature:</b> <i>M.A. Hunt</i>	<b>Serial Number:</b> 085
<b>CSO Officer Signature:</b> <i>Amy Daniell</i>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 085  
Request Date = 26 July 2002  
Comments Date = 30 July 2002  
Location = 1431/1435 Manley Ave.

### Environmental Review Comments

This project proposes the following: (a) to construct a 6' wood privacy fence.

The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.

**Disabilities Board Of Charleston County  
995 Morrison Drive  
Charleston, South Carolina 29403**

**M E M O**

TO: Gene Kinsley  
FROM: Daved Netti  
DATE: Jul 26, 2002  
SUBJ: Wood privacy fence

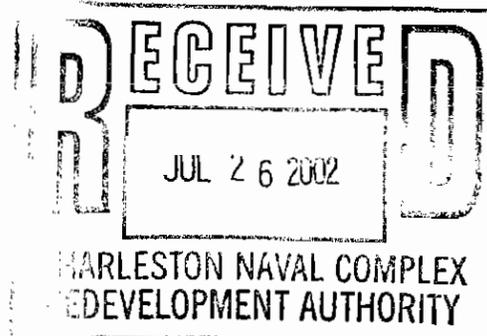


We are seeking permission to install a 6' high wood privacy fence in the backyard of the unit at 1431 / 1435 Manley Street. The fence will enclose the backyard from each corner of the duplex and will consist of 2 - 40' runs to the shrubbery line. It will also have one walk gate with an opening of 60".

I am sending a diagram (not to scale) of the layout.

I can be reached by the following if there are any questions:

Mobile: 296-0732  
Pager: 965-2051  
Office: 805-5800



cc: Jim Kilgallon

TO: Gene Kinsley  
FROM: Daved Netti  
DATE: Jul 26, 2002

SUBJ: Wood Privacy Fence  
PAGES: 2  
NOTES: Backyard of 1431/1435 Manley St

Screened  
Patio

1431 / 1435 Yorley St.  
Wood Privacy Fence Project  
Morris Builders Supply  
Jul 25, 2002

House B1  
HVAC Unit

40' Run Wood Privacy Fe  
Corner to Corner

Shrub Line

CHARLESTON NAVAL COMPLEX  
DEVELOPMENT AUTHORITY

JUL 26 2002

RECEIVED



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090  
Ser CSO/040  
31 July 2002

Mr. Bill Mieke  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. Mieke:

**SUBJECT: GARDEN ZONE'S REQUEST TO INSTALL A WATER LINE AT  
BLDG. 656**

On 29 July 2002 you forwarded a request from Garden Zone to install a water line at Bldg. 656, for our consideration and approval. The purpose of the digpermit is to obtain approval of excavation by the Navy before work has begun. As part of the digpermit process, we consult with our clean-up contractor to determine if the excavation will be taking place in a known contaminated area. The Navy is then able to advise the contractor doing the work of what contaminants they might encounter and the proper precautions that should be taken. Because all excavation was completed before a digpermit was submitted, the Navy will not approve of this digpermit request. Garden Zone has assumed all liability for the work they have done and the personnel who have been exposed to the soil and groundwater.

The work they have done took place at or near a contaminated area. In this area, the Navy has identified a release of hazardous substances has occurred, but corrective actions have not been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil or groundwater. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO.

Any soil excavated during this project shall be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions.

If you have any questions, please contact Amy Daniell at 743-2985

Sincerely,

A handwritten signature in black ink that reads "Amy Daniell". The signature is written in a cursive style with a large, looped "A" and "D".

Amy Daniell  
Caretaker Site Officer  
By the direction of the Commander

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: South Side BLDG 656 Strong Street Contractor: Affordable Plumbing Date: 07-25-02

Has the proposed work been staked out?  Yes  No

Facility/ Work Involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	Communications <input type="checkbox"/>
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
Method of Excavation:	Hand Ditcher <input checked="" type="checkbox"/>	Auger <input type="checkbox"/>

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

250' F 16" wide 16" deep as (sketched by contractor) 1/2" PVC waterline installation. HAZARD ZONE to contact CPW, SCEG, LOCATORS SERVICES PRIOR TO ANY ADDITIONAL EXCAVATION. MY

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: 07-29-02 Termination Date of Permit: 08-02-02

Signature of Requesting Official: [Signature] for S. McDonald Date: 07-25-02 Phone Number: 747-0010  
BRIAN AUBLEY GARDEN ZONE 747-9812

## Caretaker Site Office Review

<p><b>Points of Contact:</b>                  CPW : Robert Sagasser                  (work) 529-0653                  (page) 570-0390</p> <p>SCE&amp;G: R.W. Smith                  (work) 745-6381</p> <p>RDA: Gene Knisley                  Sewer POC:                  (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>Garden Zone</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? _____</li> </ol>
Permit Approved? <input type="checkbox"/> Yes <input type="checkbox"/> No	

CSO Authorizing Signature: [Signature] Date out: \_\_\_\_\_

CH2MHILL/J.A. Jones Signature: [Signature]

BEC Signature: \_\_\_\_\_ Serial Number: 084

Officer Signature: \_\_\_\_\_

# GARDEN ZONE™

July 25, 2002

Mr. Robert Ryan  
1360 Truxtun Avenue  
Suite 300  
North Charleston, SC 29405  
Subject: Dig Permit

Dear Mr. Ryan,

GardenZone, LLC would like to apply for a dig permit for 656 in order to establish a new water line to the facility. The reason for creating a new water line is to be able to have water in existing restrooms within the building. It has been brought to our attention that we have evidently missed a step along the way to secure permission to dig around the facility. Mr. Bill Mieke and Mr. Sam Turner spoke with me today regarding the proper course of actions that we fully intend to follow.

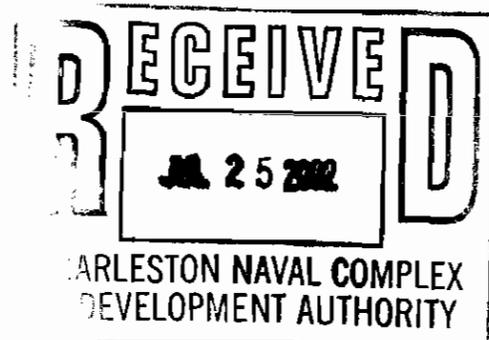
We have believed, through some miscommunications, that we had followed all necessary steps. I had previously called CPW and explained our situation, location, and intent. I was led to believe that all CPW was responsible for was the actual turning on of the water. The advice that I was given was to consult with a plumbing contractor and then let CPW know of new lines that were established. Unknowing of the proper procedures, we instructed Affordable Plumbing to begin installing a new line to the building. The plumbing contractor has completed 90% of the needed trench and has 90% of the needed water line installed. As of today, all construction has been paused until a dig permit is granted by the RDA. We sincerely apologize for any inconvenience that we may have caused by starting this project without appropriate authorization.

Mr. Mieke and Mr. Turner have directed me to speak with Mr. Bob Sageser with CPW. I will speak with him today regarding any other necessary fees and/or actions. Accompanying this letter is a sketch of the path where the water line has been run. Please accept this letter as an application for a dig permit. If you have any thoughts or concerns that you feel we need to be aware of, please do not hesitate to give us a call.

Sincerely,



Bryan Aubrey  
Distribution Mgr, GardenZone, LLC  
Phone: 843-747-9812  
Fax: 843-747-9813



NAME:  
COMPANY:  
LOCATION:

**Georgia-Pacific**  
**Engineered Lumber**



DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
PHONE NO: \_\_\_\_\_  
FAX NO: \_\_\_\_\_

Existing Building

1056

BAYLEDOGS

New Water Line

Water Meter



WI Series  
GPI Series



LVL  
GLULAM



# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: <u>UST AT BLDG 202</u> <u>AST AT BLDG 202</u>	Contractor: <u>ADVENT</u>	Date: <u>07-22-02</u>
--	---------------------------	-----------------------

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	Communications <input type="checkbox"/>
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
Method of Excavation:	Hand <input type="checkbox"/>	Auger <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

closure, disposal 1<sup>st</sup> Underground Storage Tank near BLDG #202 see attached NAVFAC drawing figure 2

closure disposal of Above ground storage tank near BLDG #200 figure 1

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: 07/29/02 Termination Date of Permit: 08/02/02

Signature of Requesting Official: LARRY N. FOWLER E.I.T. (ADVENT) Date: 07/22/02 Phone Number: 747-0010

556-3886

Sub for S. McDonnell

### Caretaker Site Office Review

<b>Points of Contact:</b> CPW : Robert Sagasser (work) 529-0653 (page) 570-0390  SCE&G: R.W. Smith (work) 745-6381  RDA: Gene Knisley ✓ Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>RDA</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? (See Attached Map)</li> <li>11. What is the serial # of forwarding letter to RDA? <u>N/A</u></li> </ol>
--	--

Permit Approved?  Yes  No

CSO Authorizing Signature: [Signature] Date out: 7/24/02

CH2MHILL/J.A. Jones Signature: [Signature]

BEC Signature: [Signature] Serial Number: 093

CSO Officer Signature: [Signature] for Amy D'Amico

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 083  
Request Date = 22 July 2002  
Comments Date = 24 July 2002  
Location = Bldg. 202

### Environmental Review Comments

This project proposes the following: (a) closure of Underground Storage Tank at Bldg. 202.

The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.



July 22, 2002

Mr. Sean McDonald  
Charleston Naval Complex Redevelopment Authority  
Building 7 Third Floor  
Charleston, South Carolina

Attention: Mr. McDonald

**Subject: Closure of Underground Storage Tank (UST) at Building 202 and  
Closure of Above Ground Storage Tank (AST) at Building 200  
Naval Facilities Engineering Command Southern Division  
Contract Number N62467-02-N-0361  
ADVENT Project 72504**

Mr. McDonald:

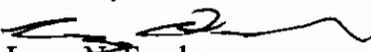
ADVENT has been awarded the Naval Facilities Engineering Command Southern Division (NAVFAC) contract N 62467-02-N-0361 to close a 5000 gallon Underground Storage Tank (UST) containing fuel oil at Building 202 and a 50 gallon Above Ground Storage Tank (AST) containing diesel fuel at Building 200. Figure 1 showing the location of the proposed activities, is attached.

The closure of the AST at Building 200 will not require excavation. The AST will be removed from the leg of the tower located near Building 200. Following removal, the tank will be decontaminated and then transported off-site for disposal.

The closure of the UST will require excavation of the tank and associated piping from the tank to Building 202, the AmeriCORPS building. Following excavation the tank will be decontaminated and transported off-site for disposal. The excavation for removal of the tank will be approximately 10-feet. deep. The excavation for the piping will be approximately 2 to 3-feet deep. The UST closure will be conducted in accordance with the South Carolina Department of Health and Environmental Control (DHEC) *Underground Storage Tank Assessment Guidelines for Permanent Closure and Change-In-Service*. Figure 2 detailing the areas of the UST and the anticipated location of the piping is attached. In order to not disturb the AmeriCORPS class schedule they have asked that the tank be closed the week of July 29, 2002.

Should you have any questions or should you require additional information please contact me at the telephone number listed below.

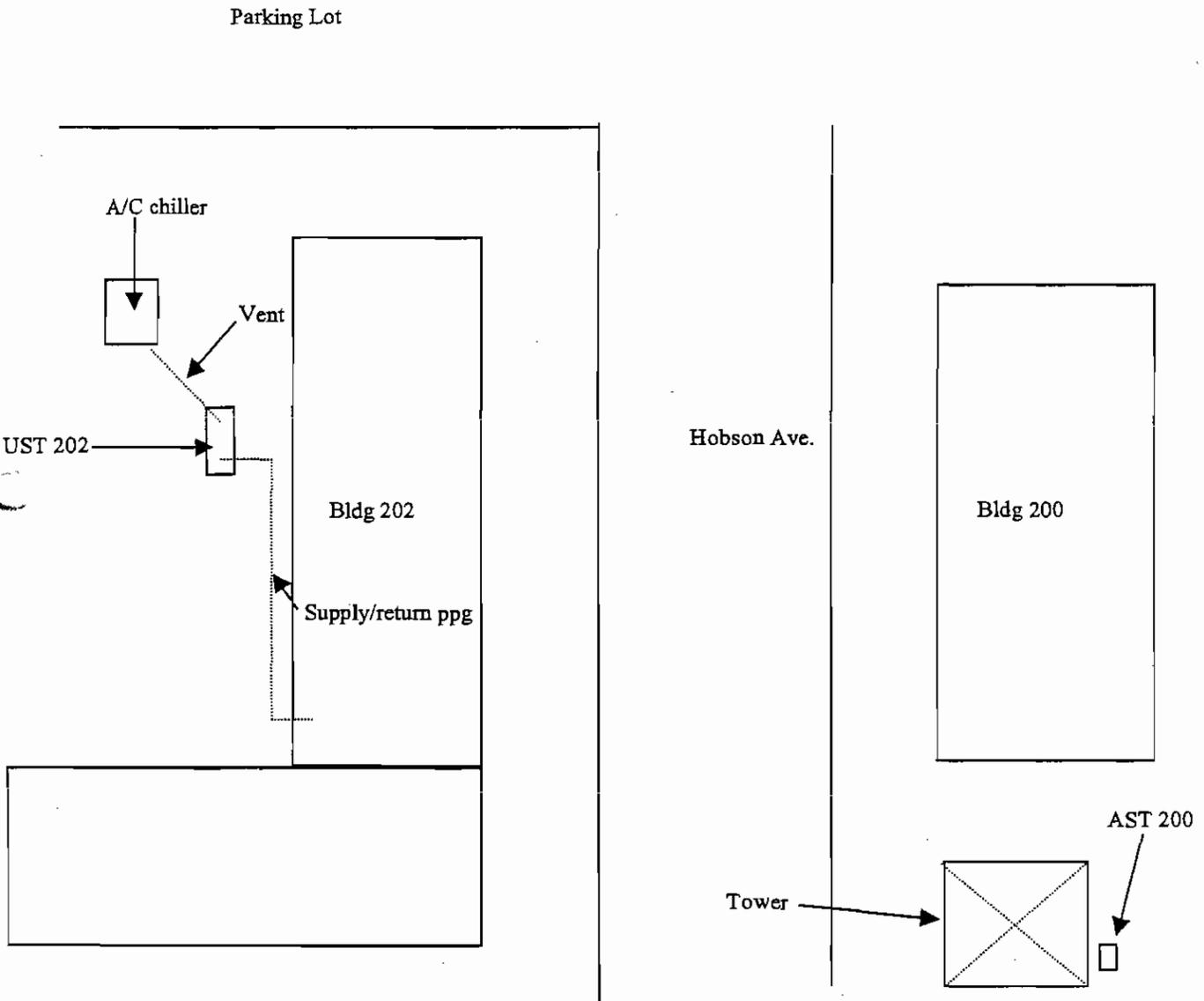
Sincerely

  
Larry N. Fowler  
Project Manager

NAVFAC PM, CAB MAGWOOD

843-820-7307

Figure 1  
Area Map



## CH2M-JONES, LLC

---

July 22, 2002

To: Charleston Caretaker Site Office (CSO)

From: CH2M-JONES, LLC

Subject: DIG PERMIT FOR UST CLOSURE, BUILDING 202, PERMIT NUMBER 083

CH2M-JONES, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 083, and identified that portions of the proposed work areas are within or adjacent to Solid Waste Management Units (SWMUs), Areas of Concern (AOCs), and Underground Storage Tank (UST) sites. CH2M-JONES, LLC has provided a summary of the sites and contaminants that could be encountered during the UST Closure at Building 202. CH2M-JONES, LLC has included a figure indicating SWMU, AOC, and UST sites that are near the area of proposed work. Should the reviewer require additional information, the RFI Report is on public record and should be utilized as necessary.

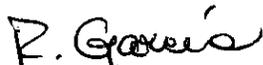
In addition to being aware of potential contaminants that may be encountered during the boring operations; the contractor performing the work should know that most SWMUs, AOCs, and UST sites have groundwater monitoring wells. The contractor shall stay a minimum distance of five feet away from all monitoring wells.

### Site Summaries:

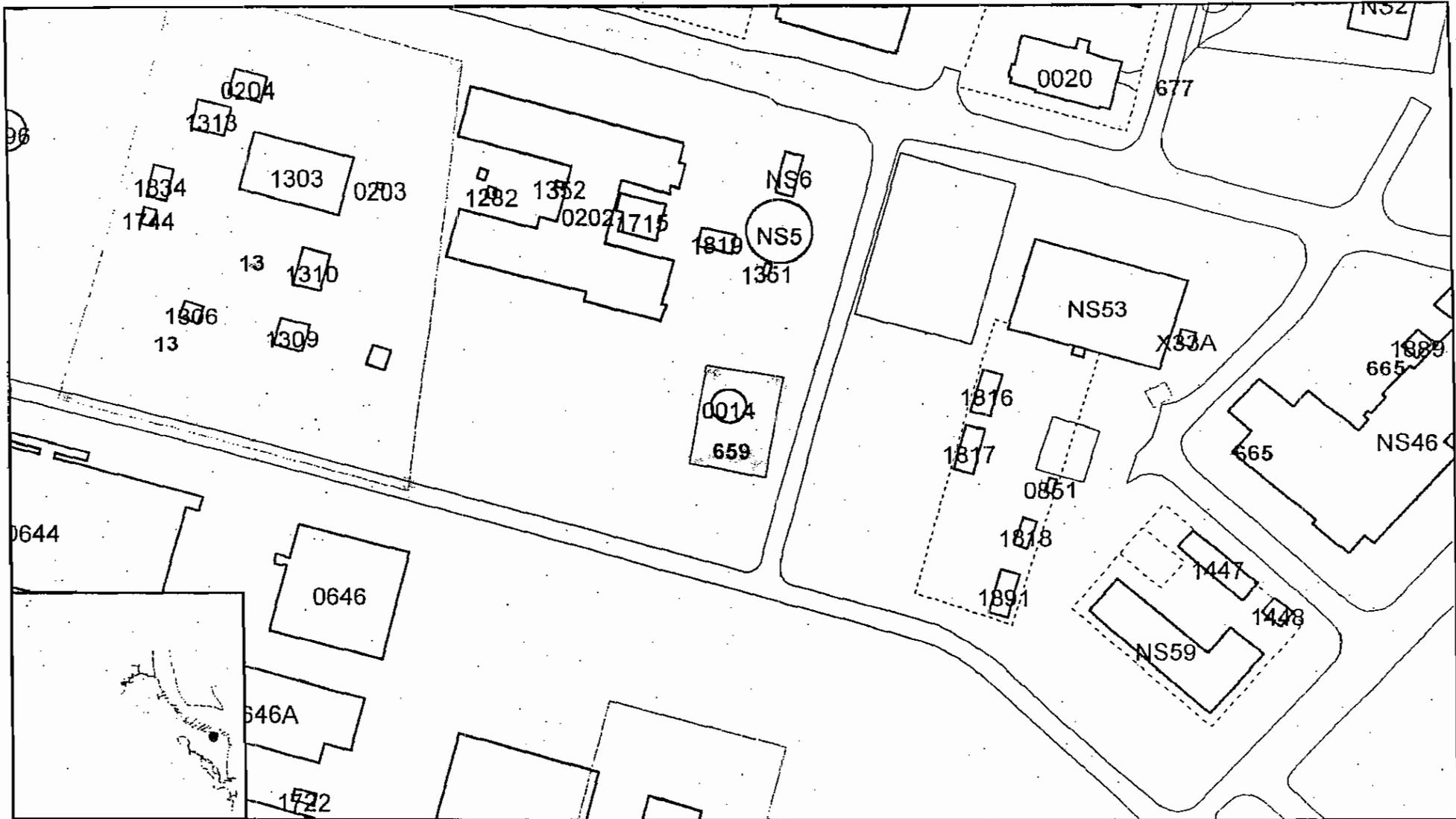
**SWMU 13** is a former firefighting training area on Dyess Avenue that includes Buildings 204, 1303, 1306, 1309, 1310, 1313, 1744, and 1834. Diesel fuel and gasoline were utilized while training personnel in firefighting techniques. Extensive soil sampling was performed and BEQs accounted as the primary contributor in risk calculations. Soil exposure scenarios showed there were no COCs identified for the hypothetical site worker.

**AOC 659** consisted of Building 14, which was a 30,000-gallon, Aboveground Storage Tank (AST). Total Petroleum Hydrocarbons (TPHs) have been identified during investigations. The site has not been fully delineated; therefore any signs of petroleum contamination should be reported to the CSO.

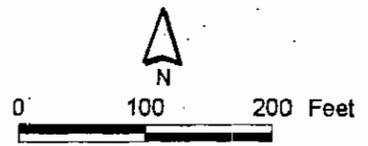
Respectfully,  
CH2M-JONES, LLC



Richard Garcia, PE  
Site Project Manager



- Fence
- Railroads
- Roads - Lines
- Bridges
- Surrounding Area
- Shoreline
- AOC Boundary
- SWMU Boundary
- Buildings
- Zone Boundary



DIGI PERMIT 83  
 ADVENT  
 7/23/02

**Figure 2**  
 AOC 659  
 Zone H  
 Charleston Naval Complex

**CH2MHILL**

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: Bldg. A, Dept. of State	Contractor: Comcast	Date: 7/17/02
-----------------------------------	---------------------	---------------

the proposed work been staked out?       Yes       No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input checked="" type="checkbox"/>	Other: Soil Boring <input type="checkbox"/>	
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input checked="" type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input checked="" type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
 Please see attached sketch from Comcast to bore underneath Dyess Ave.  
 Comcast is providing cable service to Bldg. A, US Dept. of State.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: <b>0722/2002</b>	Termination Date of Permit: <b>08/30/2002</b>
Signature of Requesting Official: 	Date: <b>07/17/2002</b> Phone Number: <b>846-746-1771</b>

## Caretaker Site Office Review

<b>Points of Contact:</b> <b>COMCAST:</b> Mike Clark (work) 266-3152  <b>Dept. of State:</b> Glenn Hill 746-1771	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>US STATE DEPT.</u></li> <li>2. Is the Area inside the CIA?      <input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted?    If yes, list.      <input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted?    If yes, list.      <input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No ( )</li> <li>5. Has DHEC been notified?      <input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled?      <input type="checkbox"/> Yes      <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background?      <input type="checkbox"/> Yes      <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background?      <input type="checkbox"/> Yes      <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled?      <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA?      <u>N/A</u></li> </ol>
Permit Approved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

CSO Authorizing Signature: <u></u>	Date out: <u>7/23/02</u>
CH2MHILL/J.A. Jones Signature: <u></u>	
BEC Signature: <u></u>	Serial Number: <u>082</u>
CSO Officer Signature: <u> FOR Amy DANIELL 7/23/02</u>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 082

Request Date = 17 July 2002

Comments Date = 23 July 2002

Location = Dyess Ave. to Bldg. A., Dept. of State

### Environmental Review Comments

This project proposes the following: (a) to provide underground cable service to Bldg. A.

The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.



## CH2M-JONES, LLC

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July 22, 2002

To: Charleston Caretaker Site Office (CSO)  
From: CH2M-JONES, LLC

Subject: DIG PERMIT FOR UTILITY SYSTEM IMPORVEMENTS (Comcast Boring),  
PERMIT NUMBER 082

CH2M-JONES, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 082, and identified that portions of the proposed work areas are within or adjacent to Solid Waste Management Units (SWMUs), Areas of Concern (AOCs), and Underground Storage Tank (UST) sites. CH2M-JONES, LLC has provided a summary of the sites and contaminates that could be encountered during the Utility Improvement to bore beneath Dyess Ave.. CH2M-JONES, LLC has included a figure indicating SWMU, AOC, and UST sites that are near the area of proposed work. Should the reviewer require additional information, the RFI Report is on public record and should be utilized as necessary.

In addition to being aware of potential contaminates that may be encountered during the boring operations; the contractor performing the work should know that most SWMUs, AOCs, and UST sites have groundwater monitoring wells. The contractor shall stay a minimum distance of five feet away from all monitoring wells.

### Site Summaries:

**SWMU 13** is a former firefighting training area on Dyess Avenue that includes Buildings 204, 1303, 1306, 1309, 1310, 1313, 1744, and 1834. Diesel fuel and gasoline were utilized while training personnel in firefighting techniques. Extensive soil sampling was performed and BEQs accounted as the primary contributor in risk calculations. Soil exposure scenarios showed there were no COCs identified for the hypothetical site worker.

**AOC 709H.** This site was remediated for low levels of PCB contamination in the surface soil. No Further Action (NFA) approved.

**SWMU 17** is located at Building FBM 61. FBM 61 is a former Fleet Ballistic missile Training Center that was used by the Navy from 1962 until June 1996. PCBs, chlorinated benzenes, and diesel fuel contamination has been found in and around Building 61. Contaminants are not expected from this source at the area of work.

AOC 659 consisted of Building 14, which was a 30,000-gallon, Aboveground Storage Tank (AST). Total Petroleum Hydrocarbons (TPHs) have been identified during investigations. The site has not been fully delineated; therefore any signs of petroleum contamination should be reported to the CSO.

Respectfully,  
CH2M-JONES, LLC

A handwritten signature in cursive script that reads "R. Garcia".

Richard Garcia, PE  
Site Project Manager

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: US State Department : Holland @ Dyess	Contractor: S & ME	Date: 6/19/02
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Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: Soil Boring <input checked="" type="checkbox"/>	
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
**S & ME has requested permission to drill 12 asphalt cores and hand auger borings for the US State Department expansion in the parking lot that borders Dyess Ave. and Holland Ave.**

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: <b>6/24/02</b>	Termination Date of Permit: <b>8/1/03</b>
Signature of Requesting Official: 	Date: <b>6/19/02</b> Phone Number: <b>843-747-0010</b>

### Charleston Site Office Review

<p><b>Points of Contact:</b>  <b>CPW : Robert Sagasser</b>                  (work) 529-0653                  (page) 570-0390</p> <p><b>SCE&amp;G: R.W. Smith</b>                  (work) 745-6381</p> <p><b>RDA: Gene Knisley</b>                  Sewer POC:                  (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>US State Department</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>033</u></li> </ol>
Permit Approved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

CSO Authorizing Signature: <u></u>	Date out: <u>6/25/02</u>
CH2MHILL/J.A. Jones Signature: <u></u>	Serial Number: <u>080</u>
BEC Signature: <u>M.A. Hunt 6/23/02</u>	
CSU Officer Signature: <u> 6/25/02</u>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 079  
Request Date = 10 June 2002  
Comments Date = 25 June 2002  
Location = Pier N

### Environmental Review Comments

This project proposes the following: (a) to place a hand hole.

The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090

Ser CSO/034

25 June 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: SCE&G DIGGING PERMIT REQUEST**

Your letter of 10 June 2002 forwarded a request from SCE&G to place a hand hole on Pier N, for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions. If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

Amy Daniell

Caretaker Site Officer

By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

June 19, 2002

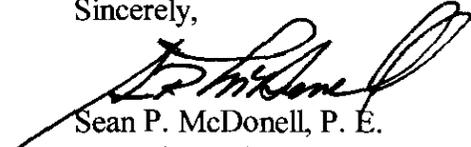
Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: S & ME GEOTECHNICAL BORING REQUEST FOR US DEPARTMENT OF STATE**

Dear Amy:

We are forwarding the subject digging permit request from S & ME perform twelve soil borings in the parking lot indicated on the attached map. This is a slightly different area than was approved a few weeks ago. Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures



June 19, 2002

Sean McDonell  
Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405

Reference: **GEOTECHNICAL EXPLORATION OF PARKING LOT  
BETWEEN BLDG. 644, BLDG. D (643) AND HOLLAND STREET**  
Charleston Naval Base  
S&ME Project No. 1131-02-315

Dear Mr. McDonell:

We (S&ME) have been tasked to conduct a geotechnical exploration on the Charleston Navy Base for the renovation of the parking area between building No. 644, building "D" (No. 643) and Holland Street. The proposed limits of our testing are shown on the attached sheet.

We plan to perform our geotechnical exploration by drilling 12 asphalt cores and hand auger borings to a depth of about 4 ft below existing ground surface. Soil samples will be obtained incrementally as the hole advances. The samples will be taken back to our lab in order to perform soil property tests.

We understand that utilities for the site will be cleared on Monday, June 24<sup>th</sup>, and we would like to begin our exploration shortly thereafter. If you have any questions, please contact me at (843) 884-0005.

Sincerely,

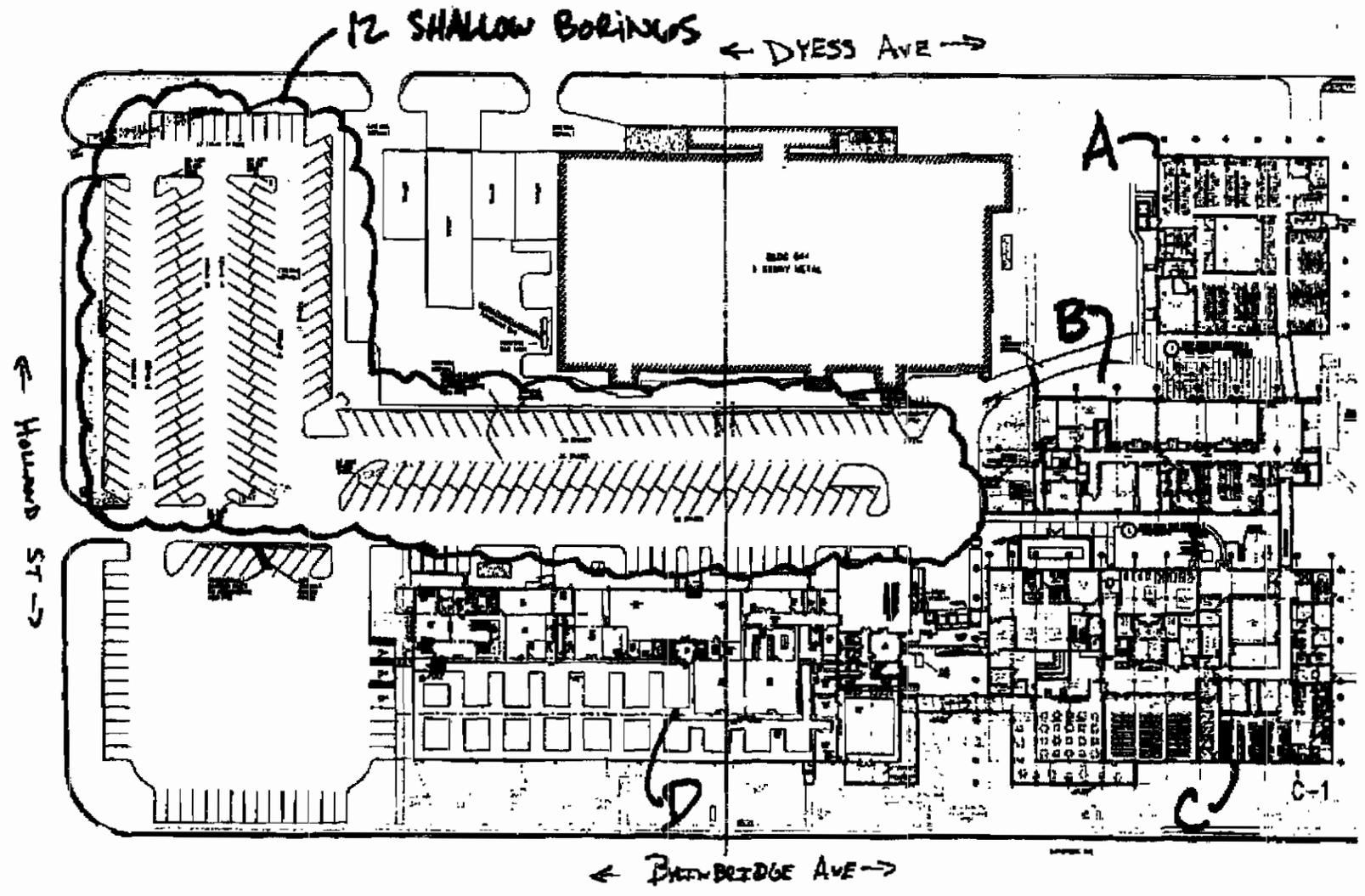
S&ME, Inc.

Jack M. Daniels, E.I.T.  
Geotechnical Professional

JMD/jfc

S&ME, Inc.  
840 Low Country Boulevard  
Mt. Pleasant, South Carolina 29464

(843) 884-0005  
(843) 881-6149 fax  
[www.smeinc.com](http://www.smeinc.com)



# Fax Transmittal



Date: June 19, 2002

To: Mr. Sean McDonell

From: Jack M. Daniels, E.I.T.

Phone: 747-0010

Phone: (843) 884-0005

Fax: 747-0054

Fax: (843) 881-6149

Re: Geotechnical Exploration of parking lot  
on Navy Base

Email: Jdaniels@smeinc.com

# Pages: 3 including cover sheet

## Comments:

Mr. McDonell,

Please find the attached letter and proposed test location area.

Thank you.

Jack M. Daniels

840 Low Country Boulevard  
Mt. Pleasant, SC 29464  
(843) 884-0005  
(843) 881-6149 fax

This cover sheet and the documents accompanying this fax transmission contain information from S&ME, Inc., which is confidential and legally privileged. The information is intended only for use of the individual or entity named on this transmission sheet. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or the taking of any action in reliance on these documents is strictly prohibited.

S&ME SFG-001  
(Rev. 7/99)

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

**Location:** 2270 S. Hobson Pier November     
 **Contractor:** SCE & G     
 **Date:** 6/7/02

**Has the proposed work been staked out?**  Yes       No  
**Facility/ Work involved (Please check below)**  
 Excavation       Drainage Ditches       Railroad Tracks   
 Pavements       **Other:**         
**Overhead Lines :**       Utilities       Communications   
**Underground Lines :**       Utilities       Communications   
**Method of Excavation:**      Hand       Power Shovel         
    Ditcher       Auger

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
Setting a hand hole on Pier November  
Depth: 26 inches Width: 18 inches length: 26 inches

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

**Date Permit Required (ASAP)** June 11, 2002     
 **Termination Date of Permit:** June 14, 02

**Signature of Requesting Official:** William Kurt Wilson     
 **Date:** June 7, 02     
 **Phone Number:** 576-8665

## Caretaker Site Office Review

<p><b>Points of Contact:</b>                  CPW : Robert Sagasser                  (work) 529-0653                  (page) 570-0390</p> <p>SCE&amp;G: R.W. Smith                  (work) 745-6381</p> <p>RDA: Gene Knisley                  Sewer POC:                  (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>RDA</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No ( )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes      <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes      <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes      <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes      <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>034</u></li> </ol> <p style="text-align: right;"><b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes      <input type="checkbox"/> No</p>
---	---

**CSO Authorizing Signature:** [Signature]      **Date out:** 6/25/02  
**CH2MHILL/J.A. Jones Signature:** [Signature]  
**BEC Signature:** M.A. Hunt 6/23/02      **Serial Number:** 079  
**CSC Officer Signature:** Amy Daniel 6/25/02

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 080

Request Date = 19 June 2002

Comments Date = 25 June 2002

Location = In the parking lot area of Bldg. 644

### Environmental Review Comments

This project proposes the following: (a) to perform twelve soil borings.

The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090

Ser CSO/033

25 June 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: S&ME REQUEST TO PERFORM GEOTECHNICAL  
EXPLORATION FOR THE US DEPARTMENT OF STATE**

Your letter of 19 May 2002 forwarded a request from S&ME to perform geotechnical exploration near Bldg. 644, for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions. If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in black ink that reads "Amy Daniell".

Amy Daniell

Caretaker Site Officer

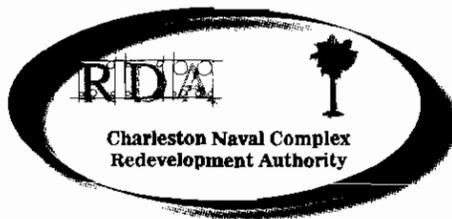
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

June 10, 2002

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: SCE & G DIGGING PERMIT REQUEST**

Dear Amy:

We are forwarding the subject digging permit request from SCE & G to place a hand hole on Pier November ("N"). Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,

Sean P. McDonnell, P. E.  
Operations Director

/enclosure

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> Avenue "D"/Hobson Avenue	<b>Contractor:</b> CNCRA	<b>Date:</b> 5/23/02
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Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input checked="" type="checkbox"/>	Railroad Tracks <input checked="" type="checkbox"/>
Pavements <input checked="" type="checkbox"/>	Other: Soil Boring <input type="checkbox"/>	
Overhead Lines : <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input checked="" type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input checked="" type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
 Please see attached Davis & Floyd 90% Drawings dated May 15, 2002 for details.  
 Work includes improvements to Avenue "D", Hobson Avenue and demolition of Buildings 25, 30, 209, 227 & 451-A.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> 7/1/02	<b>Termination Date of Permit:</b> 8/1/03
<b>Signature of Requesting Official:</b> <i>[Signature]</i>	<b>Date:</b> 5/23/02 <b>Phone Number:</b> 843-747-0010

### Caretaker Site Office Review

<p><b>Points of Contact:</b>                  CPW : Robert Sagasser                  (work) 529-0653                  (page) 570-0390</p> <p>SCE&amp;G: R.W. Smith                  (work) 745-6381</p> <p>RDA: Gene Knisley                  Sewer POC:                  (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>RDA</u></li> <li>2. Is the Area inside the CIA? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>SA, SA, 570, 578</u></li> <li>5. Has DHEC been notified? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>041</u></li> </ol>
Permit Approved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> <u><i>[Signature]</i></u>	<b>Date out:</b> <u>8/27/02</u>
<b>CH2MHILL/J.A. Jones Signature:</b> <u><i>[Signature]</i></u> *	
<b>BEC Signature:</b> <u><i>[Signature]</i></u> *	<b>Serial Number:</b> <u>078</u>
<b>CSO Officer Signature:</b> <u><i>[Signature]</i></u>	

\* See Attached sheet

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 078  
Request Date = 23 May 2002  
Comments Date = 27 August 2002  
Location = Avenue D & Hobson Ave.

### Environmental Review Comments

This project proposes the following: (a) to realign Ave. D with Hobson Ave.; and (b) demolish Bldgs. 25, 30, 209, 227, & 451-A

The Navy has identified that in this area a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site, the CSO should be notified prior to soil being transported to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.

## CH2M-JONES, LLC

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June 18, 2002

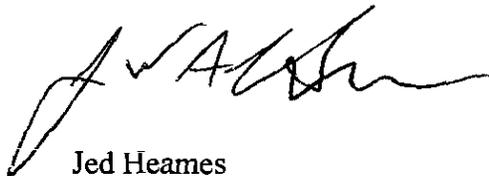
To: Charleston Caretaker Site Office (CSO)  
From: CH2M-JONES, LLC

Subject: DIG PERMIT FOR DEMOLITION OF BUILDINGS 25, 30, 209, 227, AND  
451-A INCLUDING THE REALIGNMENT OF AVENUE "D", CSO LOG  
NUMBER 078.

CH2M-Jones, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 78, and identified that the proposed work area along Avenue "D" South is within or adjacent to several Area's of Concern (AOC's), i.e. AOC's 561, 569, 570, & 578. The surface soil data in the identified areas of work does not indicate a hazard to industrial workers; however, there were various detections of metals, PCB's, BEQ's and some VOC's within the above-identified AOC's. The groundwater data identified contamination (benzene, chlorobenzene, 1,2-DCB, 1,4-DCB) and CH2M-Jones, LLC is monitoring and/or treating this contamination. To support monitoring and/or treatment of groundwater there are multiple monitoring wells and injection wells *within* or adjacent to the planned work areas. These flush mounted wells are required to remain available and accessible for future groundwater sampling and/or treatment. If it is determined by the Redevelopment Authority (RDA) that any well needs to be removed to support the realignment of Avenue "D", permission must be obtained from CH2M-Jones, LLC. The RDA is responsible for all costs associated with the proper abandonment of wells under CH2M-Jones, LLC guidance. In addition, if it is determined by CH2M-Jones, LLC that a replacement well is necessary, the RDA shall bare all costs of installing the replacement well under CH2M-Jones, LLC guidance. The RDA is also responsible for the repair, abandonment, and/or replacement of any well damaged during construction activities.

CH2M-Jones, LLC does not presently have any work scheduled in the propose work area.

Respectfully,  
CH2M-Jones, LLC



Jed Heames  
Site Superintendent

Cc:  
Tony Hunt – SDIV  
Gary Foster – CH2M Hill

27 August 2002

Memorandum

From: M.A.Hunt,  
BRAC Environmental Coordinator  
Charleston Naval Complex

To: Tom Fressilli  
Caretaker Site Officer  
Charleston Naval Complex

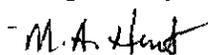
Subject: Avenue "D" Realignment

Dear Tom,

This memo is in response to the excavation permit submitted by the Redevelopment Authority (RDA) for the subject construction project. After careful review by the BRAC Cleanup Team (BCT) which includes the Navy contractor (CH2M/Jones) we have determined that nine (9) wells have the potential to be impacted by the proposed construction. In order to avoid delays in construction and prevent contamination of the underlying aquifer, the wells listed in Attachment (1) will require abandonment and installation of replacement wells outside the footprint of the construction. The cost for abandonment and replacement will be the responsibility of the RDA or their agent. The abandonment and relocation can be done by the RDA or their agent through coordination with the BCT provided these actions are taken in accordance with and by a certified well driller in accordance with S.C. Well Regulations. CH2M/Jones can provide an estimate of the cost of abandonment and/or relocation should the RDA or their agent decide to not accomplish these action themselves.

If you should have any questions you may contact me at 743-2062.

Respectfully,



M.A.Hunt

Attachment (1)  
Request for Abandonment and Reinstallation of Groundwater Monitoring Wells, Cosgrove Improvement Project, CNC

Copy to:  
Gary Foster (CH2M/Jones)



**CH2MHILL**  
Constructors, Inc.

CH2M HILL  
115 Perimeter Center Place NE  
Suite 700  
Atlanta, GA  
30346-1278  
Tel 770.604.9095  
Fax 770.604.9282

August 20, 2002

158814.ZE.PR.01

Mr. Paul Bergstrand, P.G.  
Hydrogeologist  
South Carolina Department of Health and Environmental Control  
Bureau of Land & Waste Management  
Division of Hydrogeology  
8901 Farrow Road  
Columbia, SC 29203

Subject: Request for the Abandonment and Reinstallation of Groundwater Monitoring Wells  
Cosgrove Improvement Project  
AOC 559, AOC 560, AOC 561, and AOC 570  
Charleston Naval Complex, North Charleston, South Carolina

Dear Paul:

On behalf of the U.S. Navy Southern Division Naval Facilities Engineering Command, CH2M-Jones requests the abandonment of nine existing monitoring wells prior to beginning the road construction activities associated with the new Cosgrove entrance improvement. After the road construction is finished the nine wells will be reinstalled. The reinstalled wells will be constructed to the same depth and screened with 10 foot 10-slot PVC screens. All of the wells will be completed as flush mounted wells. The well abandonment and installation will be performed in accordance with the South Carolina Well Standards and Regulations (R.61-71).

Figure 1 presents the locations of the monitoring wells to be abandoned and then replaced. Table 1 lists the wells to be abandoned and also presents the required detailed information for monitoring well reinstallation approval.

CH2M-Jones has scheduled to complete the abandonment of these wells in September 2002. If you have any questions, comments, or require additional information please do not hesitate to contact us.

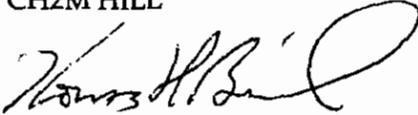
Sincerely,

Attachment (1)

Pg 1 of 4

Mr. Paul Bergstrand, P.G.  
Page 2  
August 20, 2002  
158814.ZE.PR.01

CH2M HILL

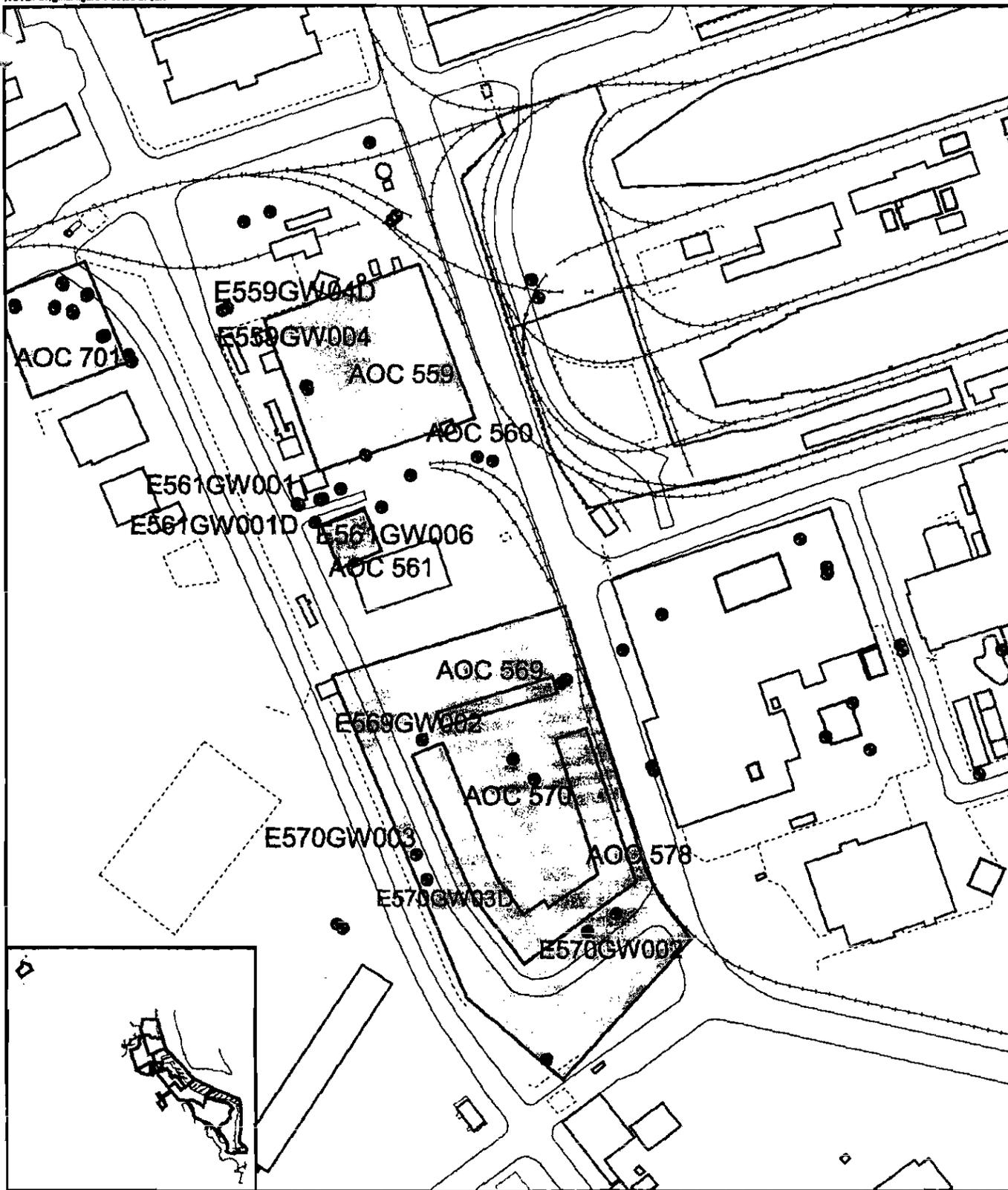


Tom Beisel, P.G.  
Project Geologist  
(770) 604-9182 ext. 367

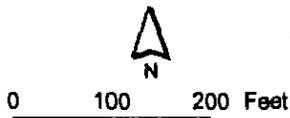
enclosures

Cc: Jerry Stamps/SCDHEC  
Tony Hunt, P.E./SOUTHDIV  
Rob Harrell/SOUTHDIV  
Dean Williamson, P.E./CH2M HILL/GNV

NOTE: Original figure created in color



- Groundwater Well
- ∧ Railroads
- ∧ Roads - Lines
- AOC Boundary
- SWMU Boundary
- Buildings



1 inch = 182.624 feet

**Figure 1**  
Wells Identified for Abandonment and Replaced  
Cosgrove Improvement Project  
Charleston Naval Complex

**CH2MHILL**

TABLE 1-1  
 Monitoring Well Abandonment and Installation Information Summary  
 AOC 559, AOC 560, AOC 561, and AOC 570, Zona E, Charleston Naval Complex

Well Identification	Well Diameter (Inner & Outer)	Method of Drilling	Screen Depth (ft bis)	Screen Length (ft)	Screen Mesh/Slot Size	Expected Total Depth of Well (ft bis)	Material of Well Construction	Analysis Parameters	Development (e.g., low flow, bailer, etc.)	Grout (Type, Mixture Ratio, etc.)	Finish Type	Purpose for Well	Other/ Comments
E561GW001	2-inch (inner)	Hollow Stem Auger	8 to 18	10-feet	0.01	18.5	Schedule 40 PVC	VOCs	Low Flow Pump with Surge Block	Portland Type II with 5% Bentonite	flush-mount	Monitoring AOCs	
E561GW01D	2-inch (inner)	Hollow Stem Auger	18 to 28	10-feet	0.01	28.5	Schedule 40 PVC	VOCs	Low Flow Pump with Surge Block	Portland Type II with 5% Bentonite	flush-mount	Monitoring AOCs	
E561GW006	2-inch (inner)	Hollow Stem Auger	6 to 16	10-feet	0.01	16.5	Schedule 40 PVC	VOCs	Low Flow Pump with Surge Block	Portland Type II with 5% Bentonite	flush-mount	Monitoring AOCs	
E559GW004	2-inch (inner)	Hollow Stem Auger	2 to 12	10-feet	0.01	12.5	Schedule 40 PVC	VOCs	Low Flow Pump with Surge Block	Portland Type II with 5% Bentonite	flush-mount	Monitoring AOCs	
E559GW04D	2-inch (inner)	Hollow Stem Auger	17.5 to 27.5	10-feet	0.01	28	Schedule 40 PVC	VOCs	Low Flow Pump with Surge Block	Portland Type II with 5% Bentonite	flush-mount	Monitoring AOCs	
E569GW002	2-inch (inner)	Hollow Stem Auger	2 to 12	10-feet	0.01	12.5	Schedule 40 PVC	VOCs	Low Flow Pump with Surge Block	Portland Type II with 5% Bentonite	flush-mount	Monitoring AOCs	
E570GW003	2-inch (inner)	Hollow Stem Auger	2.5 to 12.5	10-feet	0.01	13	Schedule 40 PVC	VOCs	Low Flow Pump with Surge Block	Portland Type II with 5% Bentonite	flush-mount	Monitoring AOCs	
E570GW03D	2-inch (inner)	Hollow Stem Auger	22 to 32	10-feet	0.01	32.5	Schedule 40 PVC	VOCs	Low Flow Pump with Surge Block	Portland Type II with 5% Bentonite	flush-mount	Monitoring AOCs	
E570GW002	2-inch (inner)	Hollow Stem Auger	3.5 to 13.5	10-feet	0.01	13.5	Schedule 40 PVC	VOCs	Low Flow Pump with Surge Block	Portland Type II with 5% Bentonite	flush-mount	Monitoring AOCs	

pg 4 of 4



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-0010

5090

Ser CSO/041

27 August 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: DIGGING PERMIT REQUEST TO REALIGN AVE. D WITH  
HOBSON AVE. AND DEMOLISH BLDGS. 25, 30, 209, 227, AND  
451-A**

Your letter of 23 May 2002 forwarded a request to realign Ave. D with Hobson Ave. and demolish Bldgs. 25, 30, 209, 227, and 451-A, for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved. ***Please note the comments that pertain to the monitoring wells.*** Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions. If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in black ink that reads "Amy Daniell".

Amy Daniell

Caretaker Site Officer

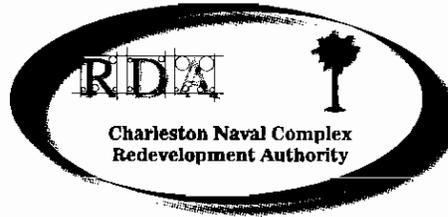
By the direction of the Commander

James C. Bryan  
*Chairman*

Lonnie Hamilton, III  
*Vice Chairman*

Ronnie M. Givens  
*Secretary/Treasurer*

James M. Deaton  
*Assistant Secretary/Treasurer*



Eugene R. Ott

James S. Minor, Jr.

Lou Mintz

Jack C. Sprott  
*Executive Director*

May 23, 2002

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

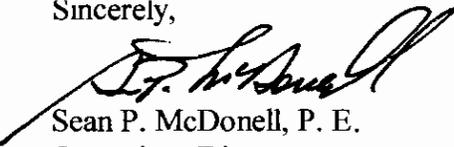
Subject: **REALIGNMENT OF AVENUE "D" WITH HOBSON AVENUE AND  
DEMOLITION OF BUILDINGS 25, 30, 209, 227 & 451-A: DIGGING  
PERMIT REQUEST**

Dear Amy:

We are forwarding the subject drawings and digging permit request to you for review and comment. This project is included in our FY99 Economic Development Administration (EDA) grant to improve Avenue "D" from McMillan Avenue south and to have it connect with Hobson Avenue near Building 186 to create a north-south thoroughfare. It is anticipated that it will be late July or August 2002 before the project is advertised for construction. As these are 90% plans, we wish to include any Navy comments in the final plans and specifications.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures

## **Daniell, Amy (Efdsouth)**

---

**To:** scaturdm@dhec.state.sc.us  
**Cc:** Tony Hunt  
**Subject:** Excavation request in the vicinity of AOC 561, 569, 570, & 578

This e-mail's purpose is to provide you with notification that the RDA will be disturbing soil along Avenue D to Hobson Avenue and demolishing Bldgs. 25, 30, 209, & 227. We have notified the RDA that they will be disturbing soil in the vicinity of an area of concern (AOC 561, 569, 570, & 578). They have been provided with information on the types of contaminants they may encounter and to take necessary precautions to minimize dermal exposure to their workers. They are also to stop work immediately if there is suspect soil or an unusual odor. Please contact our office if you have any questions.

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: Building 647	Contractor: S & ME	Date: 5/21/02
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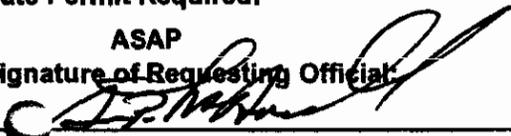
Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: Soil Boring <input checked="" type="checkbox"/>	Utilities <input type="checkbox"/>
Overhead Lines :	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines :	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input checked="" type="checkbox"/>

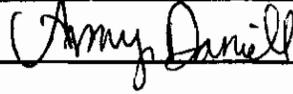
**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
 Please see attached S & ME letter dated May 20, 2002 for details.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> ASAP <b>Signature of Requesting Official:</b> 	<b>Termination Date of Permit:</b> 7/1/02 <b>Date:</b> 5/21/02 <b>Phone Number:</b> 843-747-0010
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## Caretaker Site Office Review

<b>Points of Contact:</b> CPW : Robert Sagasser (work) 529-0653 (page) 570-0390  SCE&G: R.W. Smith (work) 745-6381  RDA: Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Lessee? <u>US State Department</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>032</u></li> </ol>
<b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> 	Date out: <u>28 May 02</u>
<b>CH2MHILL/J.A. Jones Signature:</b> <u>J.A. Jones - No Comments</u>	
<b>BEA Signature:</b> <u>M.A. Hunt - No comments</u>	Serial Number: <u>077</u>
<b>CSO Officer Signature:</b> 	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 077  
Request Date = 21 May 2002  
Comments Date = 24 May 2002  
Location = Bldg. 647

### Environmental Review Comments

This project proposes the following: (a) to perform geotechnical exploration.

The Navy has identified that in this area a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil (other than what is generated for soil samples) cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 180010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090

Ser CSO/032

28 May 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: S&ME REQUEST TO PERFORM GEOTECHNICAL  
EXPLORATION FOR THE US DEPARTMENT OF STATE**

Your letter of 21 May 2002 forwarded a request from S&ME to perform geotechnical exploration at Bldg. 647, for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, and all remedial actions necessary to protect human health and the environment have been taken. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done (except for soil samples). No soil, except samples, can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions. If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

Amy Daniell

Caretaker Site Officer

By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

May 21, 2002

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

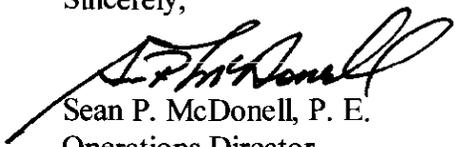
**Subject: S & ME REQUEST TO PERFORM GEOTECHNICAL EXPLORATION  
FOR THE U.S. DEPARTMENT OF STATE**

Dear Amy:

We are forwarding a request from S & ME to perform a geotechnical exploration on the site of the next U.S. State Department building construction site at Building 647. Please see the attached letter and diagram from S & ME. We are forwarding a digging permit request with their request. We do not normally get involve with Federal tenant improvements, but since they sent the request to us, we are forwarding it to keep the approval process moving.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures



May 20, 2002

Sean McDonell  
Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405

Reference: **GEOTECHNICAL EXPLORATION OF BUILDING  
"C" (FORMERLY BUILDING NO. 647)**  
Charleston Naval Base  
S&ME Project No. 1131-02-315

Dear Mr. McDonell:

We (S&ME) have been tasked to conduct a geotechnical exploration on the Charleston Navy Base for the renovation and addition of building "C" (formerly building No. 647). The site (see attached drawing) is located off Bainbridge Avenue and is bordered by building "B" (formerly building No. 646) and building No. 645.

We plan to perform our geotechnical exploration by pushing four cone penetration test (CPT) soundings or drilling four standard penetration test (SPT) borings around the existing structure. In the cone penetration sounding an electronically instrumented device is pushed into the ground, taking measurements using load cells and pressure transducers. In this test, no soil samples are removed from the test hole. In the soil test borings, however, the borehole is drilled and soil samples are taken incrementally as the hole advances. The samples are taken back to our lab so soil property tests can be performed.

We understand that utilities for the site will be cleared on Wednesday, May 22<sup>nd</sup>, and we would like to begin our exploration shortly thereafter. If you have any questions, please contact me at (843) 884-0005.

Sincerely,

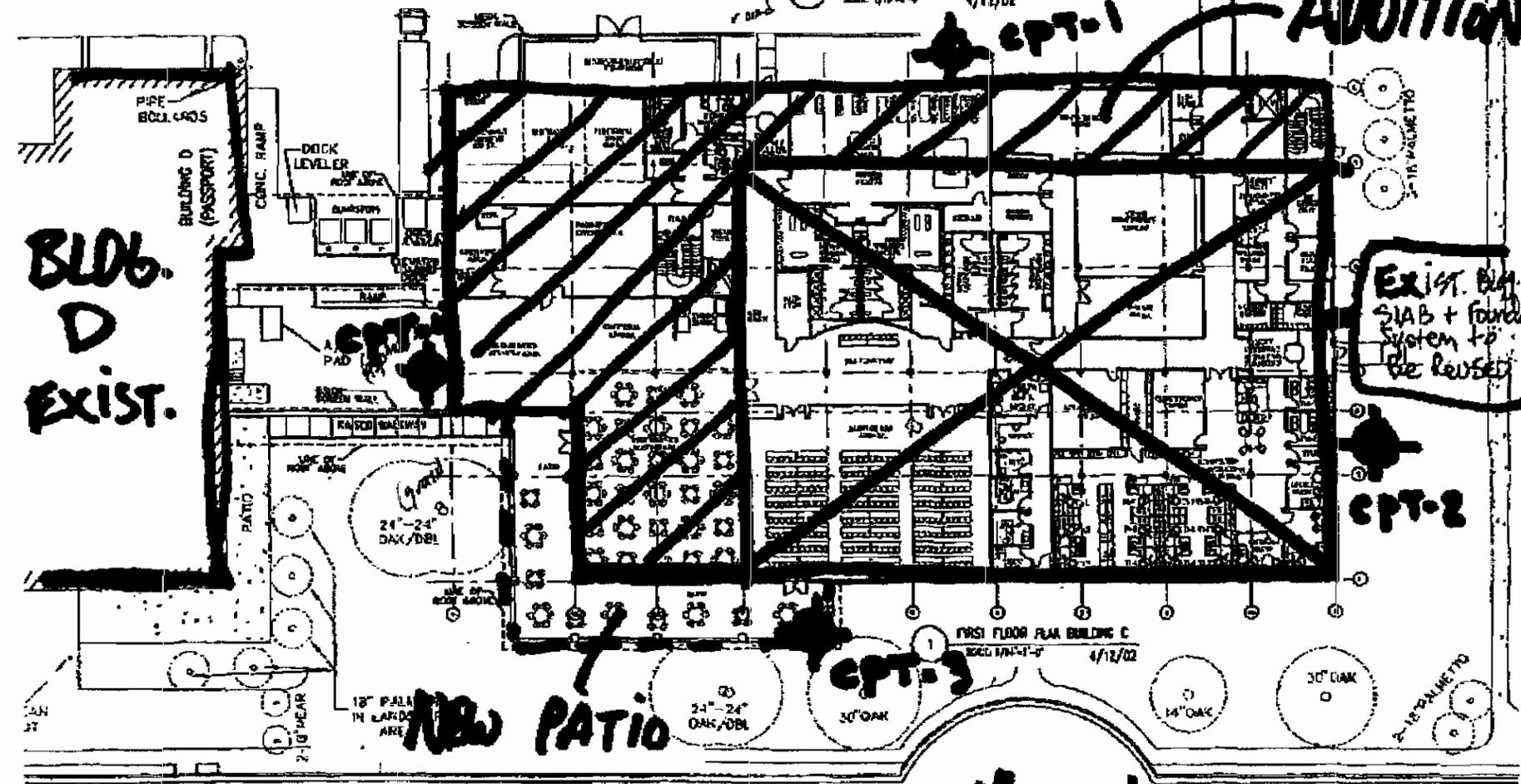
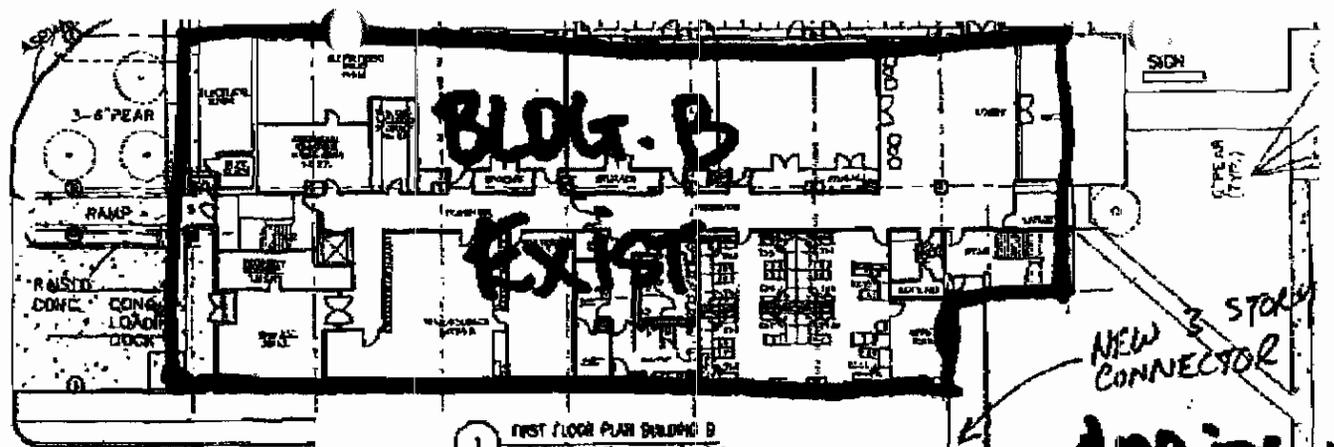
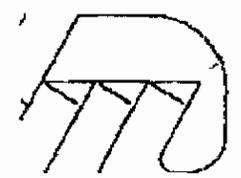
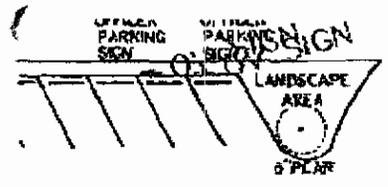
**S&ME, Inc.**

Jack M. Daniels, E.I.T.  
Geotechnical Professional

JMD/jfc

S&ME, Inc.  
840 Low Country Boulevard  
Mt. Pleasant, South Carolina 29464

(843) 884-0005  
(843) 881-6149 fax  
[www.smeinc.com](http://www.smeinc.com)



BANBRIDGE AVE

1" = 40'

---

# Fax Transmittal



Date: May 21, 2002

To: Sean McDonell

Phone: 747-0010

Fax: 747-0054

Re: Geotechnical Exploration of Bldg. 647  
(A.K.A. Bldg. "C")

From: Jack M. Daniels, E.I.T.

Phone: (843) 884-0005

Fax: (843) 881-6149

Email: Jdaniels@smeinc.com

# Pages: 3 including cover sheet

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## Comments:

Mr. McDonell,

Please find the attached letter and test location plan.

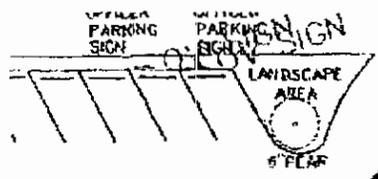
Thank you.

Jack M. Daniels

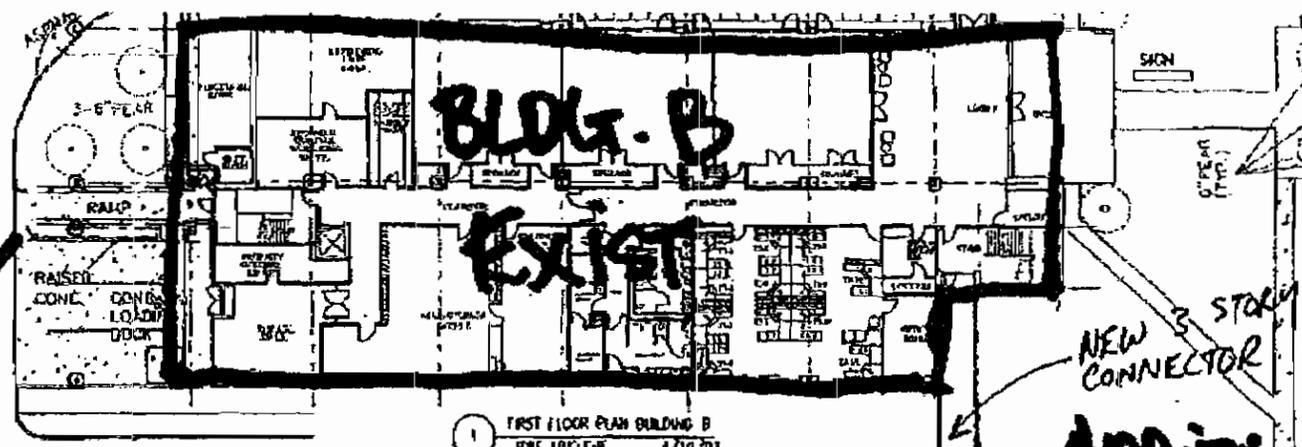
840 Low Country Boulevard  
M1, Pleasant, SC 29464  
(843) 884-0005  
(843) 881-6149 fax

This cover sheet and the documents accompanying this fax transmission contain information from S&ME, Inc., which is confidential and legally privileged. The information is intended only for use of the individual or entity named on this transmission sheet. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or the taking of any action in reliance on these documents is strictly prohibited.

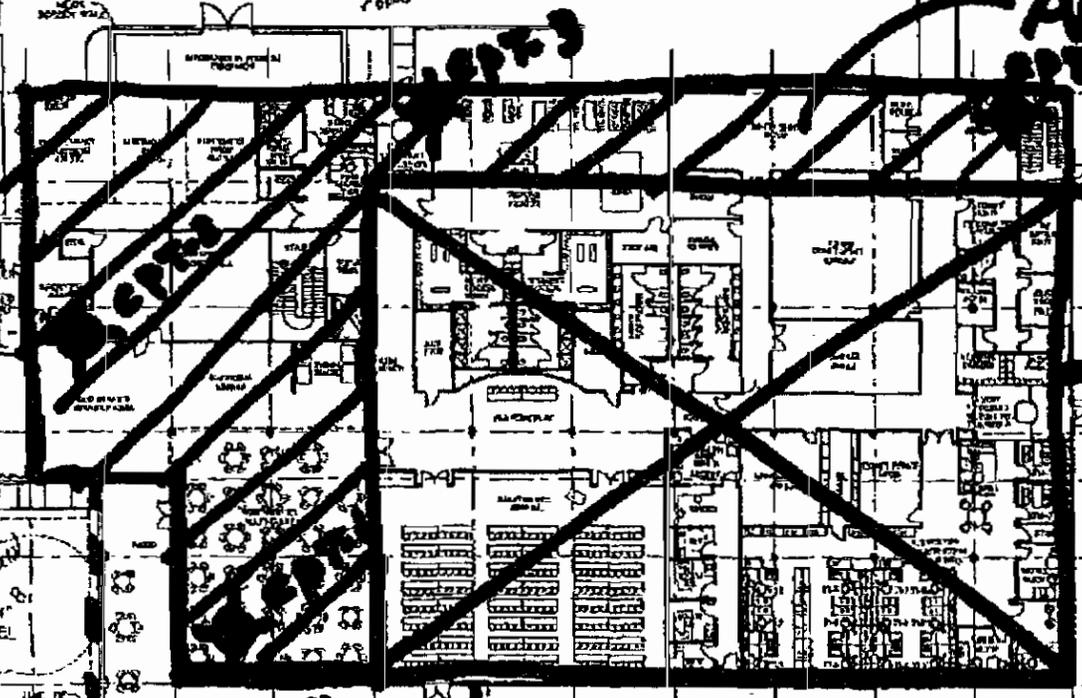
S&ME SFG-001  
(Rev. 7/99)



**REVISED**



**ADDITION**



**NEW PATIO**

1 FIRST FLOOR PLAN BUILDING C  
SCALE 1/8"=1'-0"  
4/12/02

**1" = 40'**

BAINBRIDGE AVE

# Fax Transmittal



Date: ~~March~~ <sup>May 21</sup> 29, 2002

To: Sean McDonell

From: Jack M. Daniels, E.I.T.

Phone:

Phone: (843) 884-0005

Fax:

Fax: (843) 881-6149

Re: **REVISED** Boring Location Plan

Email: Jdaniels@smeinc.com

# Pages: 2 including cover sheet

## Comments:

Mr. McDonell,

Please find the attached **REVISED** boring location plan.

Thank you.

Jack M. Daniels

840 Low Country Boulevard  
Mt. Pleasant, SC 29464  
(843) 884-0005  
(843) 881-6149 fax

This cover sheet and the documents accompanying this fax transmission contain information from S&ME, Inc., which is confidential and legally privileged. The information is intended only for use of the individual or entity named on this transmission sheet. If you are not the intended recipient, you are hereby notified that any disclosure, copying, distribution or the taking of any action in reliance on these documents is strictly prohibited.

S&ME SFG-001  
(Rev. 7/99)

**INTERNATIONAL SITE OFFICE EXCAVATION PERMIT**

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <u>VARIOUS</u>	<b>Contractor:</b> <u>Border Patrol</u>	<b>Date of Request:</b> <u>5/1/02</u>
<b>Has the proposed work been staked out?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
<b>Facility/ Work Involved (Please check below)</b>		
Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	Communications <input type="checkbox"/>
Overhead Lines <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines <input type="checkbox"/>	Utilities <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
<b>Method of Excavation:</b>	Hand Ditcher <input checked="" type="checkbox"/>	Auger <input checked="" type="checkbox"/>
<b>Scope Of Work: (Depth, width, length, location &amp; sketch as applicable, road closure, service interruption, etc.)</b>		
<u>The Border Patrol intends to install/construct 3 each, 4 station physical pullup stations. The construction will be of 6"x6" treated lumber. (SEE ATTACHED MAP FOR ALL 3 LOCATIONS) AREAS ARE MARKED WITH SPRAY PAINT</u>		
Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.		
<b>Date Permit Required:</b> <u>5/6/02</u>	<b>Termination Date of Permit:</b> <u>5/31/02</u>	
<b>Signature of Requesting Official:</b> <u>[Signature]</u>	<b>Date:</b> <u>5/1/02</u>	<b>Phone Number:</b> <u>743-2858 ext 152</u>
<b>Points of Contact:</b> CPW : Robert Segasear (work) 528-0553 (page) 570-0390  SCE&G: R.W. Smith (work) 745-6381  RDA: Gene Knisley Sewer POC: (work) 747-0010	1. Who is the current Land Owner/ Lessee? <u>Border Patrol</u>	
	2. Is the Area Inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
	6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No	
	7. What constituents will soil be tested for? _____	
	8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No	
	9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No	
	10. Area where soil is to be stockpiled? <u>(See Attached Map)</u>	
	11. What is the serial # of forwarding letter to RDA? <u>N/A</u>	
<b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>Date out:</b> <u>8 May 2002</u>
<b>CBO Authorizing Signature:</b> <u>[Signature]</u>		<b>Serial Number:</b> <u>076</u>
<b>CH2MHILL/J.A. Jones Signature:</b> <u>[Signature]</u>		
<b>BEC Signature:</b> <u>M.A. Hunt</u>		
<b>SO Officer Signature:</b> <u>Amy Daniell</u>		

743-2947

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 076

Request Date = 1 May 2002

Comments Date = 6 May 2002

Location = Various places around the spoil area

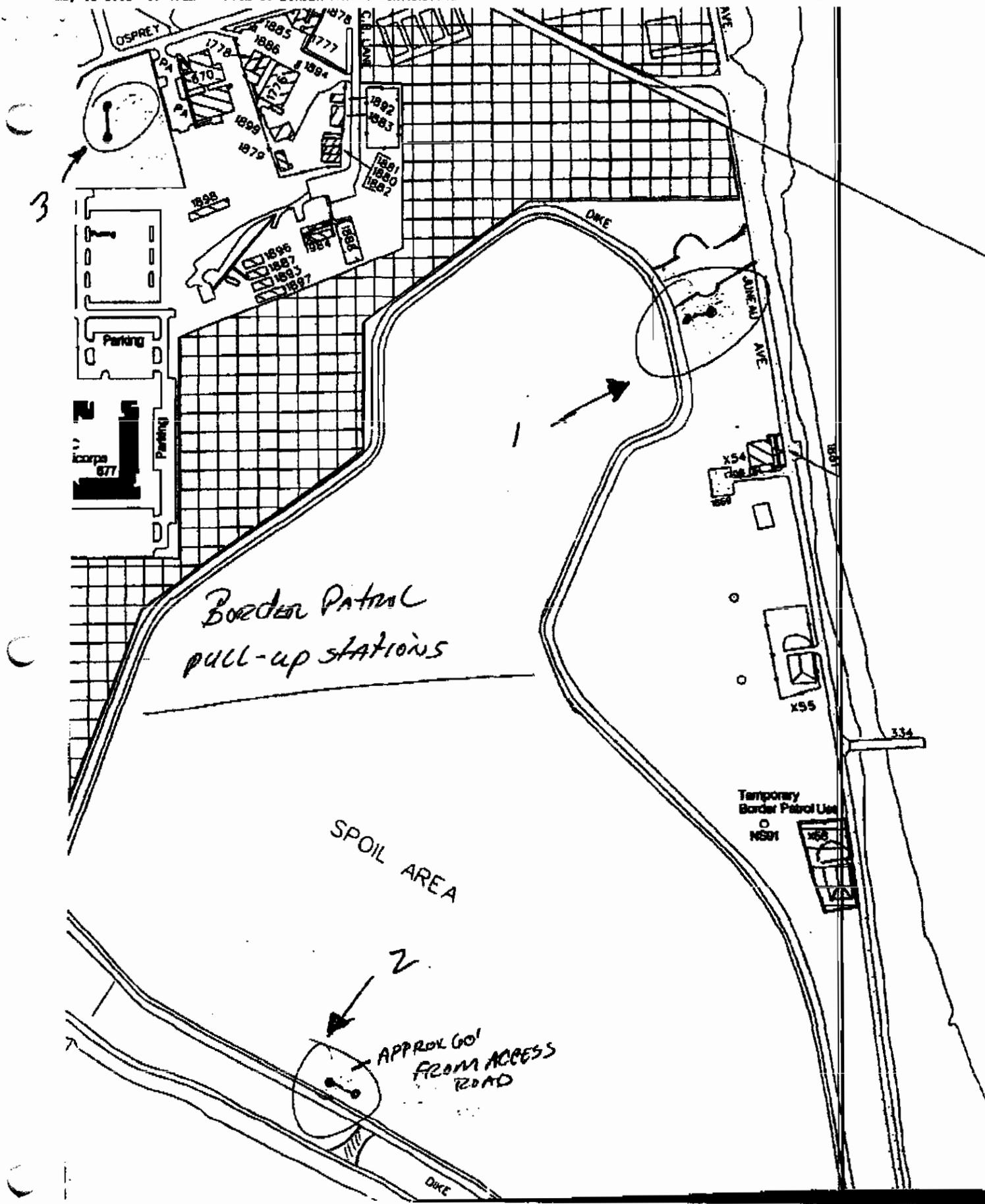
### Environmental Review Comments

This project proposes the following: (a) to install/construct physical pull-up stations.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to transporting soil to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.



# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: <b>Building 3</b>	Contractor: <b>CMMC Machine</b>	Date: <b>4/29/02</b>
-----------------------------	---------------------------------	----------------------

Has proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>	
Pavements <input type="checkbox"/>	<b>Other: Fence Posts</b> <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>	
Overhead Lines :	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>	
Underground Lines :	Utilities <input type="checkbox"/>	Power Shovel <input type="checkbox"/>	
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Auger <input type="checkbox"/>	<input checked="" type="checkbox"/> Other: Post Digger
	Ditcher <input type="checkbox"/>		

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

**Please see attached CMMC Machine letter dated April 25, 2002 for details.**

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <b>ASAP</b>	<b>Termination Date of Permit:</b> <b>9/1/02</b>
<b>Signature of Requesting Official:</b> 	<b>Date:</b> <b>4/29/02</b> <b>Phone Number:</b> <b>843-747-0010</b>

## Caretaker Site Office Review

**Points of Contact:**

**CPW : Robert Sagasser**  
(work) 529-0653  
(page) 570-0390

**SCE&G: R.W. Smith**  
(work) 745-6381

**RDA: Gene Knisley**  
Sewer POC:  
(work) 747-0010

1. Who is the current Land Owner/ Leasee? CMMC
2. Is the Area inside the CIA?  Yes  No
3. Are any SWMU(s) impacted? If yes, list.  Yes  No (SWMU 70)
4. Are any AOC(s) impacted? If yes, list.  Yes  No ( )
5. Has DHEC been notified?  Yes  No
6. Will soil need to be temporarily stockpiled?  Yes  No
7. What constituents will soil be tested for? \_\_\_\_\_
8. Soil Test results above residential background?  Yes  No
9. Soil Test results above industrial background?  Yes  No
10. Area where soil is to be stockpiled? (See Attached Map)
11. What is the serial # of forwarding letter to RDA? \_\_\_\_\_

**Permit Approved?**  Yes  No

**CSO Authorizing Signature:**

**Date out:** 5/9/02

**CH2MHILL/J.A. Jones Signature:**

**Signature:** M. A. Hunt

**Serial Number:** 075

**CSO Officer Signature:**

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 075  
Request Date = 29 April 2002  
Comments Date = 6 May 2002  
Location = Bldg. 3

### Environmental Review Comments

This project proposes the following: (a) to install a fence.

The Navy has identified that in this area a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site, the CSO should be prior to soil being transported to the Designated Soil Management Area (see attached map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.

## CH2M-JONES, LLC

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May 3, 2002

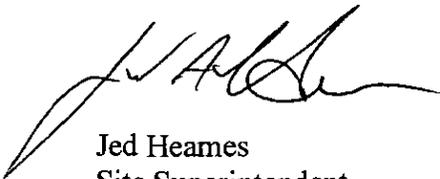
To: Charleston Caretaker Site Office (CSO)  
From: CH2M-JONES, LLC

Subject: DIG PERMIT FOR FENCE REPLACEMENT ON HOBSON AVENUE IN  
FRONT OF BUILDING 3, CSO LOG NUMBER 075

CH2M-JONES, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 75, and identified that the proposed work area along Hobson Avenue by Building 3 is adjacent to Solid Waste Management Unit 70. A review of soil data in the area of work does not identify any notable soil contamination that affects the requested scope of work.

CH2M-JONES, LLC does not presently have any work scheduled in the propose work area.

Respectfully,  
CH2M-JONES, LLC



Jed Heames  
Site Superintendent



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090

Ser CSO/030

9 May 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: CMMC MACHINE REQUEST TO INSTALL FENCE AT BLDG. 3**

Your letter of 29 April 2002 forwarded a request from CMMC Machine to remove the existing fence and gates on the Hobson side of Bldg. 3 and install new vinyl coated fence with gates at each of the three roll up doors, for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but required actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions. If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

Amy Daniell

Caretaker Site Officer

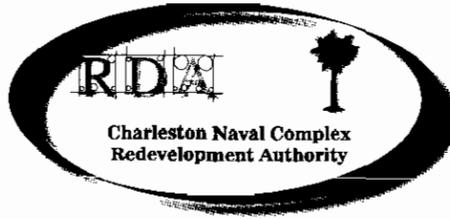
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

April 29, 2002

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: CMMC MACHINE REQUEST TO INSTALL FENCE AT BUILDING 3**

Dear Amy:

We are forwarding a request from CMMC Machine to remove the existing fence and gates on the Hobson side of Building 3 and install new vinyl coated fence with gates at each of the three roll up doors. We support this request, as it will replace rusting fence with new vinyl-coated mesh. A digging permit request is being forwarded with this request.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,

Sean P. McDonell, P. E.  
Operations Director

/enclosures



CMMC MACHINE, INC.

2081 HAYTER STREET • NORTH CHARLESTON, SC 29405  
843.554.0993 • 843.554.1196 (FAX)

25 April, 2002

Mr. Sean McDonell  
Operations Director  
Charleston Naval Complex Redevelopment Authority  
1360 Truxtun Avenue, Suite 300  
North Charleston, SC 29405-2005

Mr. McDonell,

As you know, CMMC Machine, Inc. occupies the Bldg. 3, Machine Shop. We are requesting authorization to make alterations to West End of the building, facing Hobson Avenue.

The requested alterations would be to remove the existing fencing and gates along Hobson Avenue in front of building 3, install day gates at the (3) three roll-up doors, and to install a section of fencing running from building 3 to building 5. As required, the new gates and fencing will be chainlink of green vinyl-coated mesh fabric and of minimum # 9 wire gauge.

If there are any questions concerning this request, please direct them to Ed Bates at 554-0993, ext. 22.

Sincerely,

Edgar Bates  
Business Administrator  
CMMC Machine, Inc.  
2081 Hayter Street  
North Charleston, SC 29405

## Daniell, Amy (Efdsouth)

---

**From:** Daniell, Amy (Efdsouth)  
**Sent:** Thursday, May 09, 2002 8:38 AM  
**To:** 'scaturdm@dhec.state.sc.us'  
**Cc:** Hunt, Tony (Efdsouth)  
**Subject:** CMMC Machine Excavation Request

This e-mail's purpose is to provide you with notification that CMMC Machine will be disturbing soil around Bldg. 3. We have notified the RDA and CMMC Machine that they will be disturbing soil in the vicinity of a solid waste management unit (SWMU 70). They have been provided with information on the types of contaminants they may encounter and to take necessary precautions to minimize dermal exposure to their workers. They are also to stop work immediately if there is suspect soil or an unusual odor. Please contact our office if you have any questions.

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, sign and date.

<b>Location:</b> Hall Annex, 2536 4th Street has proposed work been staked out?	<b>Contractor:</b> Unknown (City will manage job) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<b>Date of Request:</b> 4/9/02
<b>Facility/ Work Involved (Please check below)</b>		
Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____	Communications <input type="checkbox"/>
Overhead Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
<b>Method of Excavation:</b>	Hard Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>
		<input type="checkbox"/> Other: _____

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

Constructing Sallyport as part of the Annex Courtroom Project. Work will be accomplished in paved area on West side of building. Work will consist of drilling holes to place fence posts and pipe bollards, all incidental to construction of the sallyport. Majority of material removed will be placed back in excavation. Residual will remain on the site, placed in low areas to enhance overall site drainage.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cablepipe locators or other approved methods.

<b>Date Permit Required:</b> April 22, 2002	<b>Termination Date of Permit:</b> May 15, 2002
<b>Signature of Requesting Official:</b> 	<b>Date:</b> 4/9/02 <b>Phone Number:</b> 745-1026

## Caretaker Site Office Review

<p><b>Points of Contact:</b></p> <p><b>CPW:</b> Robert Sagasser (work) 529-0653 (page) 570-0380</p> <p><b>SC&amp;G:</b> R.W. Smith (work) 745-6381</p> <p><b>RDA:</b> Gene Kniesley Sewer POC: (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Lessee? <u>City of North Charleston</u></li> <li>2. Is the Area Inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWML(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>027</u></li> </ol> <p style="text-align: right;"><b>Permit Approved?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
--	---

<b>CSO Authorizing Signature:</b>	<b>Date out:</b> <u>2 May 02</u>
<b>CHZMHILL/J.A. Jones Signature:</b>	<b>Serial Number:</b> <u>074</u>
<b>BEC Signature:</b> <u>M.A. Hunt</u>	
<b>CSO Officer Signature:</b> <u>Amy Daniell</u>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 074  
Request Date = 22 April 2002  
Comments Date = 30 April 2002  
Location = Bldg. 2536 at Naval Station Annex

### Environmental Review Comments

This project proposes the following: (a) to construct a sallyport to include the construction of a fence and installation of bollards.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: <u>City Hall Annex 2536 Fourth Street</u>	Contractor: <u>Unknown (City will manage job)</u>	Date of Request: <u>4/9/02</u>
the proposed work been staked out? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
City/ Work Involved (Please check below)		
Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>	Communications <input type="checkbox"/>
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
Method of Excavation:	Hand <input type="checkbox"/>	Auger <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	<input type="checkbox"/> Other: _____

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

Construct a <sup>73'</sup> 144-car parking area adjacent to the City Hall Annex to support requirements for Court, Police, Fire and Code Enforcement services being provided from the building. A space and use analysis determined the need for this parking area in addition to parking at the building. Plans and specifications are currently being prepared.

See attached concept sketch

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

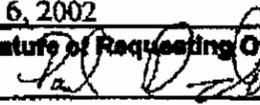
Date Permit Required:

May 6, 2002

Termination Date of Permit:

July 5, 2002

Signature of Requesting Official:



Date:

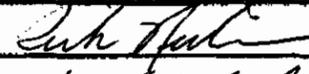
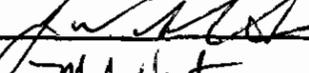
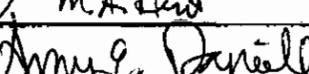
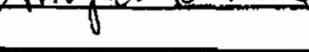
4/9/02

Phone Number:

767-5714

## Caretaker Site Office Review

Points of Contact: CPW : Robert Sagasser (work) 529-0653 (page) 570-0390  SCE&G: R.W. Smith (work) 745-6381  RDA: Gene Kriesley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Lessee? <u>City of North Charleston</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>4. Are any AOC(s) impacted? If yes, list <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>021</u></li> </ol>
Permit Approved? <input type="checkbox"/> Yes <input type="checkbox"/> No	

CSO Authorizing Signature: 	Date out: <u>2 May 02</u>
CH2MHILL/J.A. Jones Signature: 	Serial Number: <u>073</u>
BEC Signature: 	
CSO Officer Signature: 	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 073  
Request Date = 22 April 2002  
Comments Date = 30 April 2002  
Location = Bldg. 2536 at Naval Station Annex

### Environmental Review Comments

This project proposes the following: (a) to build a parking lot.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090  
Ser CSO/027  
2 May 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

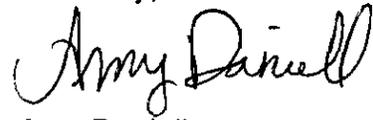
**SUBJECT: CITY OF NORTH CHARLESTON REQUESTS TO INSTALL  
ADDITIONAL PARKING AND TO CONTRUCT A SALLYPORT  
AND VARIOUS ASSOCIATED ITEMS AT THE NAVAL STATION  
ANNEX, BUILDING 2536**

Your letter of 22 April 2002 forwarded requests from the City of North Charleston to build a parking lot in the open field on the eastside of Bldg. 2536 and to construct a sallyport on the westside of Bldg. 2536, for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permits are approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions.

If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in black ink that reads "Amy Daniell". The signature is written in a cursive, flowing style.

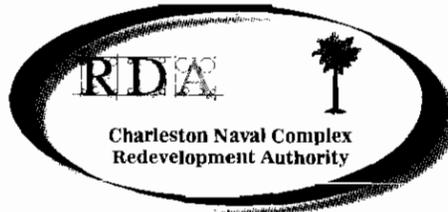
Amy Daniell  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Susan K. Dunn**

**James S. Minor, Jr.**

**Eugene R. Ott**

**Jack C. Sprott**  
*Executive Director*

April 22, 2002

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

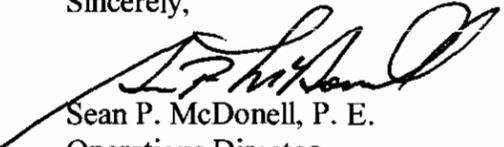
**Subject: CITY OF NORTH CHARLESTON REQUEST TO INSTALL  
ADDITIONAL PARKING AND TO CONSTRUCT A SALLYPORT AND  
VARIOUS ASSOCIATED ITEMS AT THE NAVAL STATION ANNEX  
BUILDING 2536**

Dear Amy:

We are forwarding a request from the City of North Charleston to build a parking lot in the open field on the east side of Building 2536. The second request is to construct a sallyport on the west side of the building to include the construction of a fence and installation of bollards. Digging permit requests are included with both requests.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures

**FACSIMILE TRANSMITTAL COVER SHEET***City of North Charleston*

---

To: **Sean McDonnell**  
Company: **CNCRDA**  
1360 Truxtun Ave; Suite 300  
Charleston, SC 29405-2005  
Phone: 747-0010  
Fax: **747-0054**

From: **Paul Donado**  
Company: **City of North Charleston Public Works**  
1021 Aragon Street  
North Charleston, SC 29405  
Phone: 745-1026  
Fax: 745-1099

Date: 04/19/02

Pages including this cover page: 4

---

**Re: City Hall Annex Parking, 2536 Fourth Street**

**Comments:** The attached letter and enclosures outline the planned project to provide additional parking at the City Hall Annex (former MOMAG building). Hard copy is in the mail.

Please mail your response to:

Paul Donado  
North Charleston Public Works  
1021 Aragon Street  
North Charleston, SC 29405

Thanks,  
Paul



Michael L. Hendrick  
Director

Michael D. Dalrymple, P.E.  
Assistant Director

## City of North Charleston

SOUTH CAROLINA  
DEPARTMENT OF PUBLIC WORKS

ADMINISTRATION  
CITY GARAGE  
ENGINEERING  
MAINTENANCE  
SANITATION

April 17, 2002

Attn: Sean McDonnell, P.E.  
Charleston Naval Complex Redevelopment Authority  
1360 Truxtun Ave; Suite 300  
Charleston, SC 29405-2005

Re: City Hall Annex Parking, 2536 Fourth Street, North Charleston, SC

Dear Mr. McDonnell

The conversion of the former MOMAG building at 2536 Fourth Street into the City Hall Annex Court Complex dictates additional parking. It was not included in our original alteration request.

In addition to the established parking immediately surrounding the building, we plan to develop additional parking in two phases. Phase 1, that will provide 72 spaces, is currently in design. ADA parking requirements generated by this added parking will be incorporated in the existing parking area near the building.

The attached sketch reflects the schematic design of the parking area. A digging permit is also enclosed. We will forward record drawings when the project is complete.

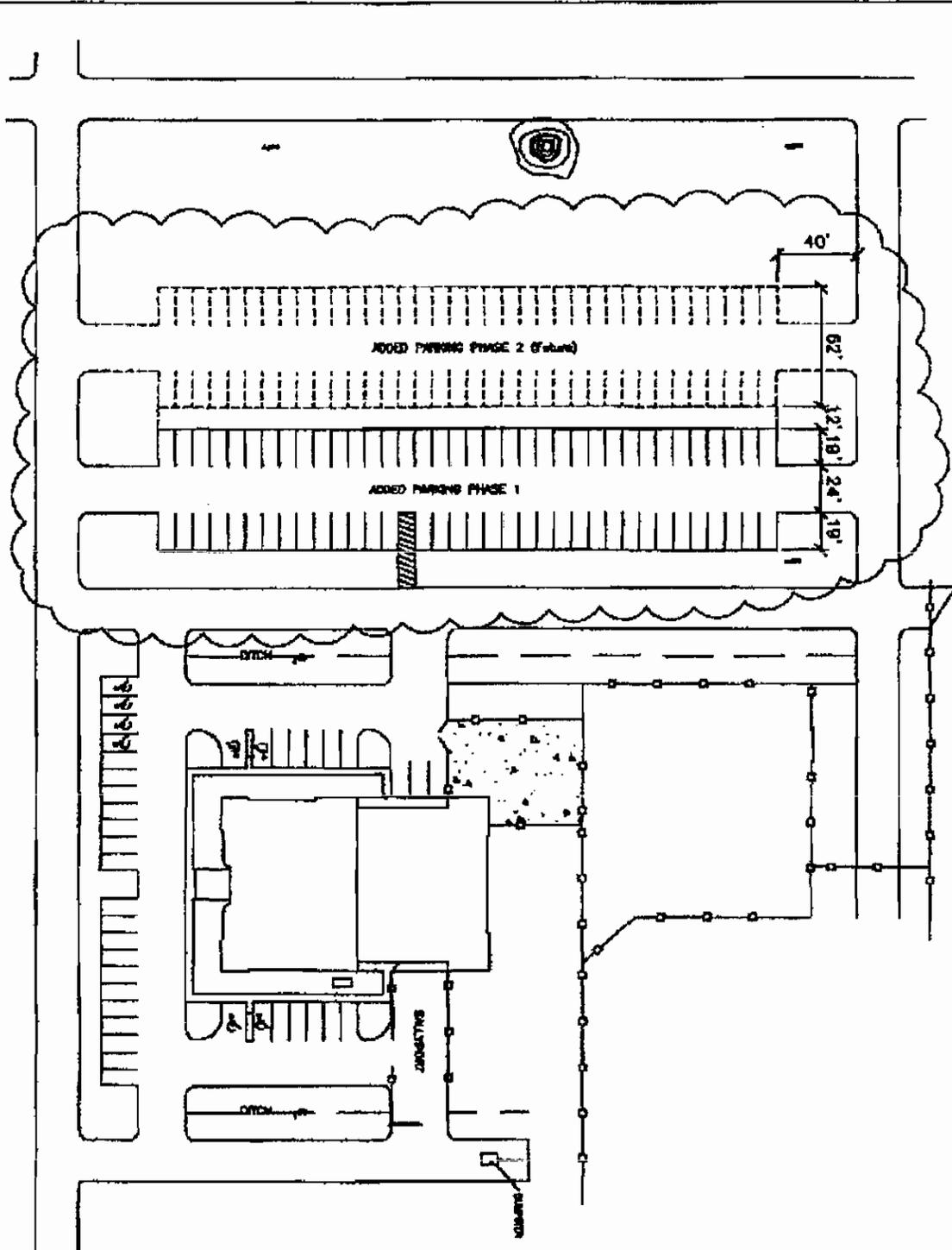
Request your approval of this project.

Sincerely,

  
Paul Donado  
Staff Engineer

encl: Sketch  
Digging Permit

Copyright 2002, City of North Charleston Department of Public Works. All Rights Reserved.



GRAPHIC SCALE

DATE	DESCRIPTION	BY	CHKD BY
04-19-02	CONCEPT PLAN	DL	DL
		DL	DL

CITY HALL ANNEX  
PARKING IMPROVEMENTS  
CONCEPT PLAN

CITY OF NORTH CHARLESTON  
PUBLIC WORKS  
P.O. BOX 755016  
NORTH CHARLESTON  
SC 29418-5016



**FACSIMILE TRANSMITTAL COVER SHEET***City of North Charleston*

---

To: **Sean McDonnell**  
Company: CNCRDA  
1360 Truxtun Ave; Suite 300  
Charleston, SC 29405-2005  
Phone: 747-0010  
Fax: **747-0054**

From: **Paul Donado**  
Company: City of North Charleston Public Works  
1021 Aragon Street  
North Charleston, SC 29405  
Phone: 745-1026  
Fax: 745-1099

Date: 04/19/02

Pages including this cover page: 5

---

**Re: City Hall Annex Sallyport, 2536 Fourth Street**

**Comments:** The attached letter and enclosures outline the planned project to construct a sallyport at the City Hall Annex (former MOMAG building). The current schedule completes installation by the first week in May. Hard copy is in the mail.

Please mail your response to:

Paul Donado  
North Charleston Public Works  
1021 Aragon Street  
North Charleston, SC 29405

Thanks,  
Paul



Michael L. Hendrick  
Director

Michael D. Dalrymple, P.E.  
Assistant Director

## City of North Charleston

SOUTH CAROLINA  
DEPARTMENT OF PUBLIC WORKS

ADMINISTRATION  
CITY GARAGE  
ENGINEERING  
MAINTENANCE  
SANITATION

April 17, 2002

Attn: Sean McDonnell, P.E.  
Charleston Naval Complex Redevelopment Authority  
1360 Truxtun Ave; Suite 300  
Charleston, SC 29405-2005

Re: City Hall Annex Sallyport, 2536 Fourth Street, North Charleston, SC

Dear Mr. McDonnell, (PA)

In converting the former MOMAG building at 2536 Fourth Street into the City Hall Annex Court Complex we require a sallyport. It was not included in our original alteration request.

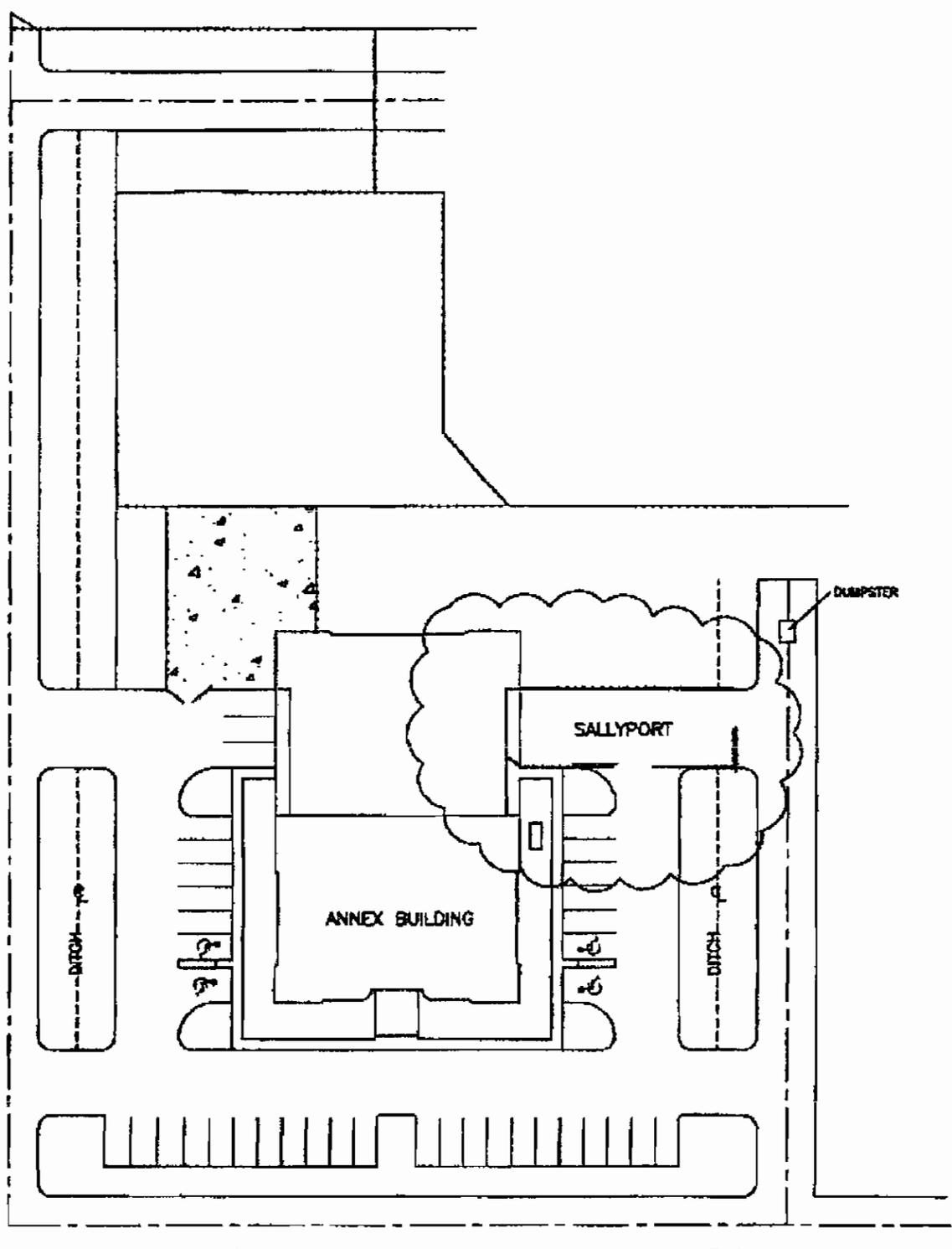
Two sketches accompany this letter that site the sallyport on the SW corner of the building. The structure will be a 30' x 80' fenced enclosure with two motor-controlled gates and a "carport" style roof at the end closest to the building. The decision to proceed with this configuration was made only last week. We intend to move operations to the site in early-May, hence the priority request. A digging permit is also enclosed. We will forward record drawings when the project is complete.

Request your approval of this project. Regret short-fuse.

Sincerely,

Paul Donado  
Staff Engineer

encl: Two Sketches  
Digging Permit

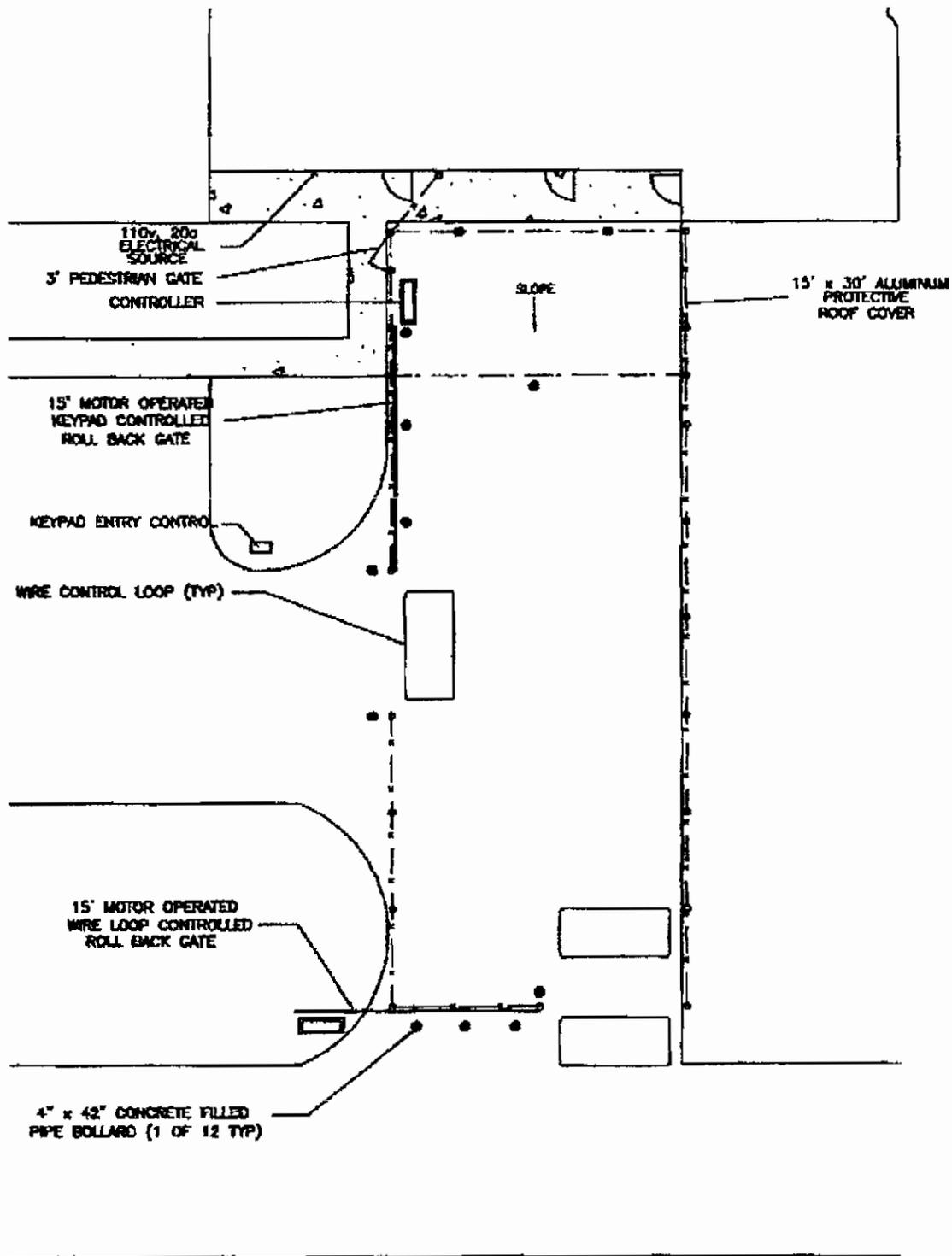


**CITY OF NORTH CHARLESTON**  
**PUBLIC WORKS**  
**PO BOX 190016**  
**N. CHAS, SC 29419**

**CITY HALL ANNEX**  
**SALLYPORT**  
**SITE PLAN**

DWG: PD  
 DATE: 04/08/02  
 SCALE: NTS

PAGE:  
 1



	<b>CITY OF NORTH CHARLESTON PUBLIC WORKS PO BOX 190016 N. CHAS, SC 29419</b>	<b>CITY HALL ANNEX SALLYPORT PLAN</b>		DWG: pd	PAGE:  <b>2</b>
				DATE:03/04/02	
				SCALE:NTS	

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: Pier "U"	Contractor: CMMC, LLC	Date: 4/23/02
--------------------	-----------------------	---------------

Has the proposed work been staked out? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Facility/ Work involved (Please check below)		
Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: Pile Driving <input checked="" type="checkbox"/>	
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>
		<input checked="" type="checkbox"/> Other: Pile Driver

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
 Please see attached CMMC, LLC letter dated April 16, 2002 for details.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> ASAP	<b>Termination Date of Permit:</b> 9/1/02
<b>Signature of Requesting Official:</b> 	<b>Date:</b> 4/23/02 <b>Phone Number:</b> 843-747-0010

Caretaker Site Office Review	
<b>Points of Contact:</b> <b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390  <b>SCE&amp;G:</b> R.W. Smith (work) 745-6381  <b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>CMMC</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>VDA 028</u></li> </ol>
<b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b>	<b>Date out:</b> <u>2 May 02</u>
<b>CH2MHILL/J.A. Jones Signature:</b> <u>Not required matt</u>	<b>Serial Number:</b> <u>072</u>
<b>Signature:</b> <u>M.A. Hunt</u>	
<b>CSO Officer Signature:</b>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 072  
Request Date = 23 April 2002  
Comments Date = 2 May 2002  
Location = Pier U

### Environmental Review Comments

This project proposes the following: (a) to install mooring piles and yokohama fenders.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being transported to the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090  
Ser CSO/028  
2 May 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: CMMC REQUEST TO PERFORM ALTERATIONS TO PIER U**

Your letter of 23 April 2002 forwarded a request from CMMC to install mooring piles and Yokohama fenders along Pier U, for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO prior to transporting soil to the soil management area (see enclosed map). If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

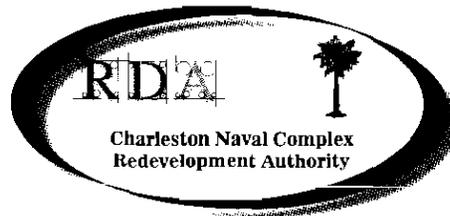
Amy Daniell  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Susan K. Dunn**

**James S. Minor, Jr.**

**Eugene R. Ott**

**Jack C. Sprott**  
*Executive Director*

April 23, 2002

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: CMMC REQUEST TO PERFORM ALTERATIONS TO PIER U**

Dear Amy:

We are forwarding a request from CMMC, LLC to install some mooring piles and yokohama fenders along Pier U as described in their attached letter and drawings. They have included a Construction Authorization from DHEC and will obtain U. S Army Corps of Engineers permit any day now. A digging permit request is being forwarded with this request.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,

Sean P. McDonell, P. E.  
Operations Director

/enclosures



CMMC, LLC

April 16, 2002

Mr. Sean McDonell  
Charleston Naval Complex  
Redevelopment Authority  
1360 Truxton Ave., Suite 300  
N. Charleston, SC 29405-0054

APR 17 2002

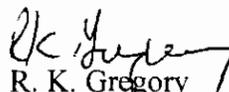
Dear Sean,

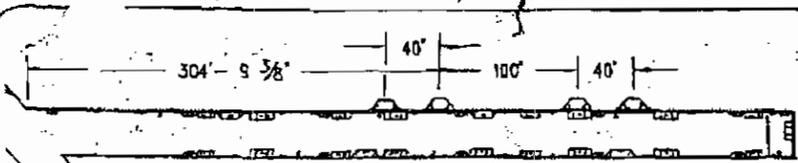
This letter is in response to your letter dated January 15, 2002 regarding proposed alterations to Pier Uniform (U). The mooring upgrade proposed by Moran Towing Corporation is not a new installation with respect to the installation of mooring piles. The mooring piles to be installed are shown on the included drawing, showing 6 piles per fender, and showing the size of the piles. This is a replacement of existing mooring piles, most of which have deteriorated to the point of falling into the water. The installation of the yokohama fenders will also be in accordance with the included drawing. A total of two yokohama fenders will be installed at the locations shown on the sketch included with this letter.

Additionally, I have included a copy of the Construction Authorization issued by the SC Dept. of Health and Environmental Control. General Engineering Laboratories is in the process of obtaining a permit from the U. S. Army Corps of Engineers for the project, and expects to have that process completed within a week or so. It is understood that the project cannot proceed without the required permit.

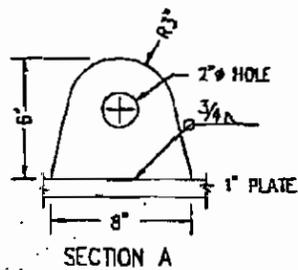
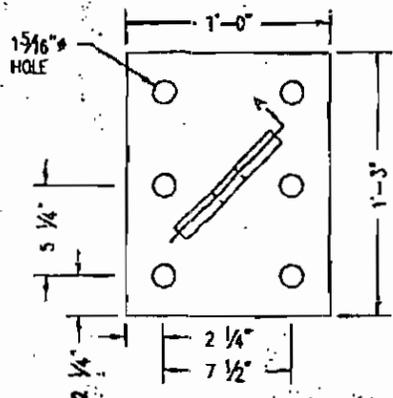
Based on the information provided, I request you proceed with obtaining permission from the Navy for the project, so that when the required permits are obtained, we can commence. Please contact me if you have any additional questions concerning this issue.

Very truly yours,

  
R. K. Gregory  
Member

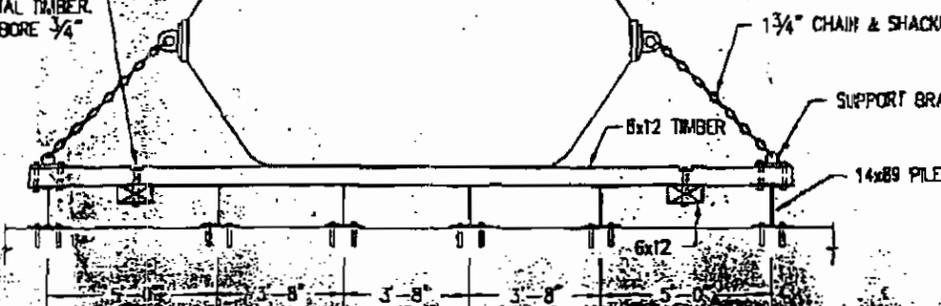


FENDER PANEL LAYOUT — SIERRA & TANGO  
1" = 100'



SUPPORT BRACKET  
1 1/2" = 1'-0"

ATTACH TIMBER w/  
2-1/2" BOLTS PER  
HORIZONTAL TIMBER.  
COUNTERSINK 3/4"  
MIN.



FENDER PANEL PLAN

ATTACH BRACKET w/ 6 - 1 1/4" BOLTS THRU  
TIMBER TO H PILE. ATTACH MIDDLE & BOTTOM  
TIMBERS TO H PILE w/ 2 - 1" BOLTS.

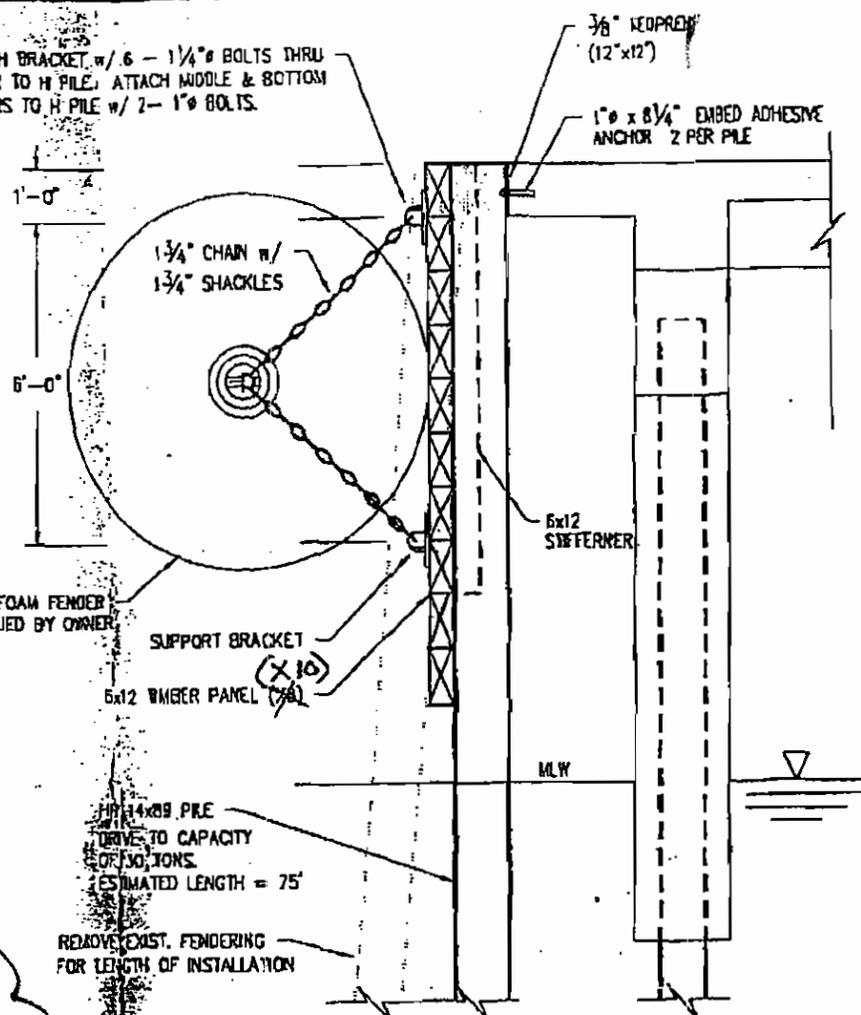
7x14 FOAM FENDER  
SUPPLIED BY OWNER

SUPPORT BRACKET  
(X 10)  
6x12 WMBER PANEL (X 10)

HP 14x89 PILE  
GRADE TO CAPACITY  
OF 30 TONS.  
ESTIMATED LENGTH = 75'

REMOVE EXIST. FENDERING  
FOR LENGTH OF INSTALLATION

MOORING  
PILES



FENDER PANEL SECTION  
3/8" = 1'-0"





SC Department of Health and  
Environmental Control

# CONSTRUCTION AUTHORIZATION

Office of Ocean and Coastal  
Resource Management

Expiration Date: JUNE 21, 2002

Permittee: MORAN TOWING COMPANY

Permit Number: **MAINTENANCE & REPAIR**

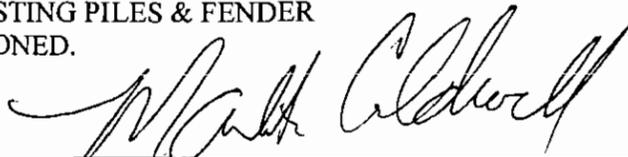
Address of Permittee: 2075 THOMPSON AVE STE 200  
CHARLESTON SC 29405

Date Issued: MARCH 22, 2002

Location: PIER U, OLD NAVY BASE

Authorized Work: REPAIR/REPLACE EXISTING PILES & FENDER  
SYSTEM; AS CONDITIONED.

Waterway: COOPER RIVER



City: NORTH CHARLESTON

Project Manager

County: CHARLESTON

MARCH 21, 2002

Date

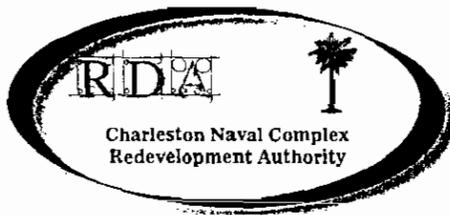
**> This Notice Must Be Conspicuously Displayed at the Work Site <**

James C. Bryan  
*Chairman*

Lonnie Hamilton, III  
*Vice Chairman*

Ronnie M. Givens  
*Secretary/Treasurer*

James M. Deaton  
*Assistant Secretary/Treasurer*



Eugene R. Ott

James S. Minor, Jr.

Lou Mintz

Jack C. Spratt  
*Executive Director*

January 15, 2002

Mr. Richard K. Gregory  
CMMC, LLC.  
1670 Drydock Avenue, Suite 100  
Charleston, SC 29405

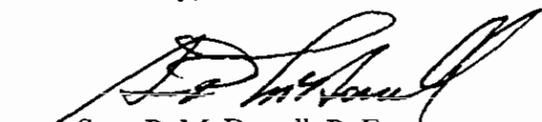
Subject: **PIER UNIFORM (U) ALTERATIONS**

Dear Mr. Gregory:

Your proposed alterations to the subject pier appear acceptable from a conceptual standpoint, but prior to sending this request to the Navy for approval, we need more details regarding the proposed work. Specifically, we should receive a set of engineered drawings showing the location, number and size of piles to be driven and the installation details for the yokohama fenders. Additionally, as you will be driving piles in the critical area of the Cooper River, you will need to obtain a permit or written permission from the U. S. Army Corps of Engineers. Please forward the engineered drawings and some form of written permission from the Corps so that we can obtain permission from the Navy to proceed.

Please contact me with any questions you have concerning this issue.

Sincerely,



Sean P. McDonell, P. E.  
Operations Director



CMMC, LLC

January 14, 2002

Sean McDonell  
Charleston Naval Complex  
Redevelopment Authority  
1360 Truxton Ave., Suite 300  
N. Charleston, SC 29405-2005

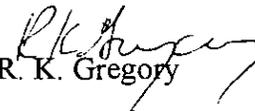
JAN 14 2002

Dear Sean,

This is a request to alter Pier Uniform (Facility # NS10). Our current tenant, Moran Towing, proposes to install new pilings and supports for the installation of two yokohama fenders on the south side of the pier. The purpose of this installation is to upgrade the mooring capability of Pier Uniform. The installation will be done by Salmon Dredging Co.

If you have any questions or comments, please don't hesitate to contact me.

Very truly yours,

  
R. K. Gregory

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> Bldg. 657	<b>Contractor:</b> CMMC, LLC	<b>Date:</b> 4/10/02
----------------------------	------------------------------	----------------------

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	<b>Other: Fence Posts</b> <input checked="" type="checkbox"/>	Utilities <input type="checkbox"/>
Overhead Lines :	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines :	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

Other: Post Hole Digger

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
**Please see attached CMMC letter and drawing requesting that a fence be erected around the Bldg. 657 parking lot.**

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> ASAP	<b>Termination Date of Permit:</b> 7/10/02
<b>Signature of Requesting Official:</b> 	<b>Date:</b> 4/10/02 <b>Phone Number:</b> 843-747-0010

### Caretaker Site Office Review

<p><b>Points of Contact:</b></p> <p><b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390</p> <p><b>SCE&amp;G:</b> R.W. Smith (work) 745-6381</p> <p><b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>CMMC</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>025</u></li> </ol>
<b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b>	<b>Date out:</b> <u>4/17/02</u>
<b>CH2MHILL/J.A. Jones Signature:</b>	
<b>BE Signature:</b> <u>M. A. [unclear] 4/13/02</u>	<b>Serial Number:</b> <u>071</u>
<b>CSO Officer Signature:</b> <u>Amy Daniell 4/17/02</u>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 071  
Request Date = 10 April 2002  
Comments Date = 17 April 2002  
Location = Bldg. 657

### Environmental Review Comments

This project proposes the following: (a) to erect a fence around the parking lot of the building.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being transported to the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090  
Ser CSO/025  
17 April 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: CMMC REQUEST TO ERECT A FENCE AT BUILDING 657**

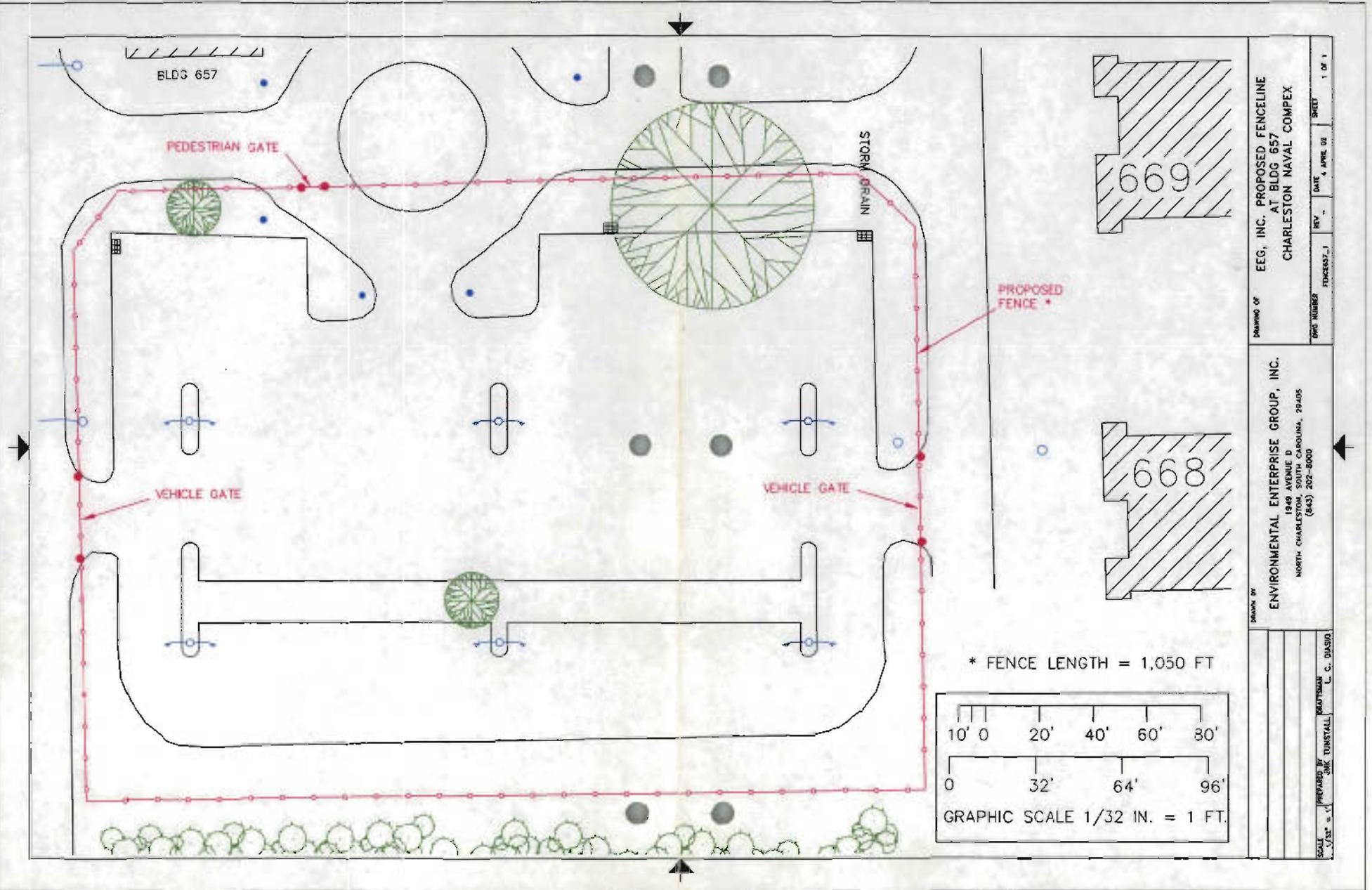
Your letter of 10 April 2002 forwarded a request from CMMC to erect a fence around the parking lot of Bldg. 657 for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO prior to transporting soil to the soil management area (see enclosed map). If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

Amy Daniell  
Caretaker Site Officer  
By the direction of the Commander



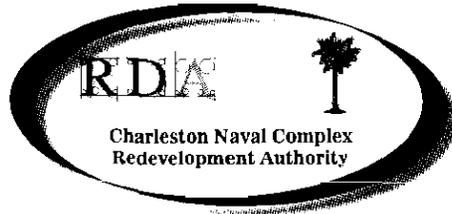
DRAWING OF	EEG, INC. PROPOSED FENCELINE AT BLDG 657		
	CHARLESTON NAVAL COMPLEX		
DWG NUMBER	PROJECT	REV	DATE
			4 APR 03
DRAWN BY		SHEET	
ENVIRONMENTAL ENTERPRISE GROUP, INC.		1 OF 1	
1948 AVENUE D			
NORTH CHARLESTON, SOUTH CAROLINA, 29405			
(843) 202-8000			
SCALE	PREPARED BY	DRAWN BY	CHECKED BY
1/32" = 1'	JMK	TUNSTALL	U. C. DRASID

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Susan K. Dunn**

**James S. Minor, Jr.**

**Eugene R. Ott**

**Jack C. Sprott**  
*Executive Director*

April 10, 2002

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: CMMC REQUEST TO ERECT A FENCE AT BUILDING 657**

Dear Amy:

We are forwarding a request from CMMC, LLC to erect a fence around the parking lot of Building 657. Our understanding is that CMMC plans to sublease the building and parking area to the Environmental Enterprise Group (EEG). We have included a drawing indicating the boundaries of the fence as well as a digging permit request.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,

Sean P. McDonnell, P. E.  
Operations Director

/enclosures



CMMC, LLC

1670 DRYDOCK AVENUE, SUITE 100 • NORTH CHARLESTON, SC 29405  
843.554.5009 • 843.554.0403 (FAX)

April 09, 2002

Sean McDonell  
Charleston Naval Complex  
Redevelopment Authority  
1360 Truxton Ave., Suite 300  
N. Charleston, SC 29405-2005

Dear Sean,

This is a request to alter the parking lot area of Building 657. We would like to fence in the parking area to provide a secure area for storage of equipment. A drawing is provided to show the scope of the installation. The fence will be a chain link fence with either privacy strips installed or some other type of privacy covering. We will need approval to perform the alteration and a dig permit for installation of the fence support posts.

If you have any questions or comments, please don't hesitate to contact me.

Very truly yours,

  
R. K. Gregory  
Member

APR - 9 2002



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
P.O. BOX 190010  
2155 EAGLE DRIVE  
NORTH CHARLESTON, S.C. 29419-0010

5090  
Ser CSO/026  
24 April 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: CMMC REQUEST TO AMEND DIGPERMIT 071**

Your letter of 22 April 2002 forwarded a request from CMMC to amend digpermit #071 to include the removal of parking islands and to pave over them with asphalt for our consideration and approval. The request to amend digpermit #071 is approved to include the alteration of the parking lot at Bldg. 657. Please annotate this amendment on the digpermit #071.

If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

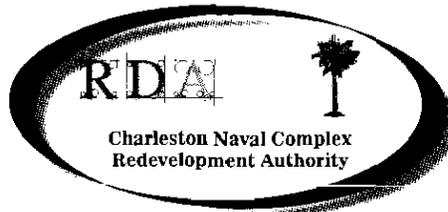
Amy Daniell  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Susan K. Dunn**

**James S. Minor, Jr.**

**Engene R. Ott**

**Jack C. Sprott**  
*Executive Director*

April 22, 2002

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: CMMC REQUEST TO ALTER THE PARKING LOT AT BUILDING 657**

Dear Amy:

We are forwarding a request from CMMC, LLC to remove parking islands and pave them over with asphalt in the Building 657 parking lot. This is in addition to the request to erect a fence around the parking lot that was submitted to you via a letter dated April 10, 2002. Please amend the digging permit request that was forwarded with the April 10, 2000 request since all of this work is being accomplished in the same area.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,

Sean P. McDonell, P. E.  
Operations Director

/enclosures



CMMC, LLC

1670 DRYDOCK AVENUE, SUITE 100 • NORTH CHARLESTON, SC 29405  
843.554.5009 • 843.554.0403 (FAX)

April 19, 2002

Sean McDonell  
Charleston Naval Complex  
Redevelopment Authority  
1360 Truxton Ave., Suite 300  
N. Charleston, SC 29405-0054

APR 19 2002

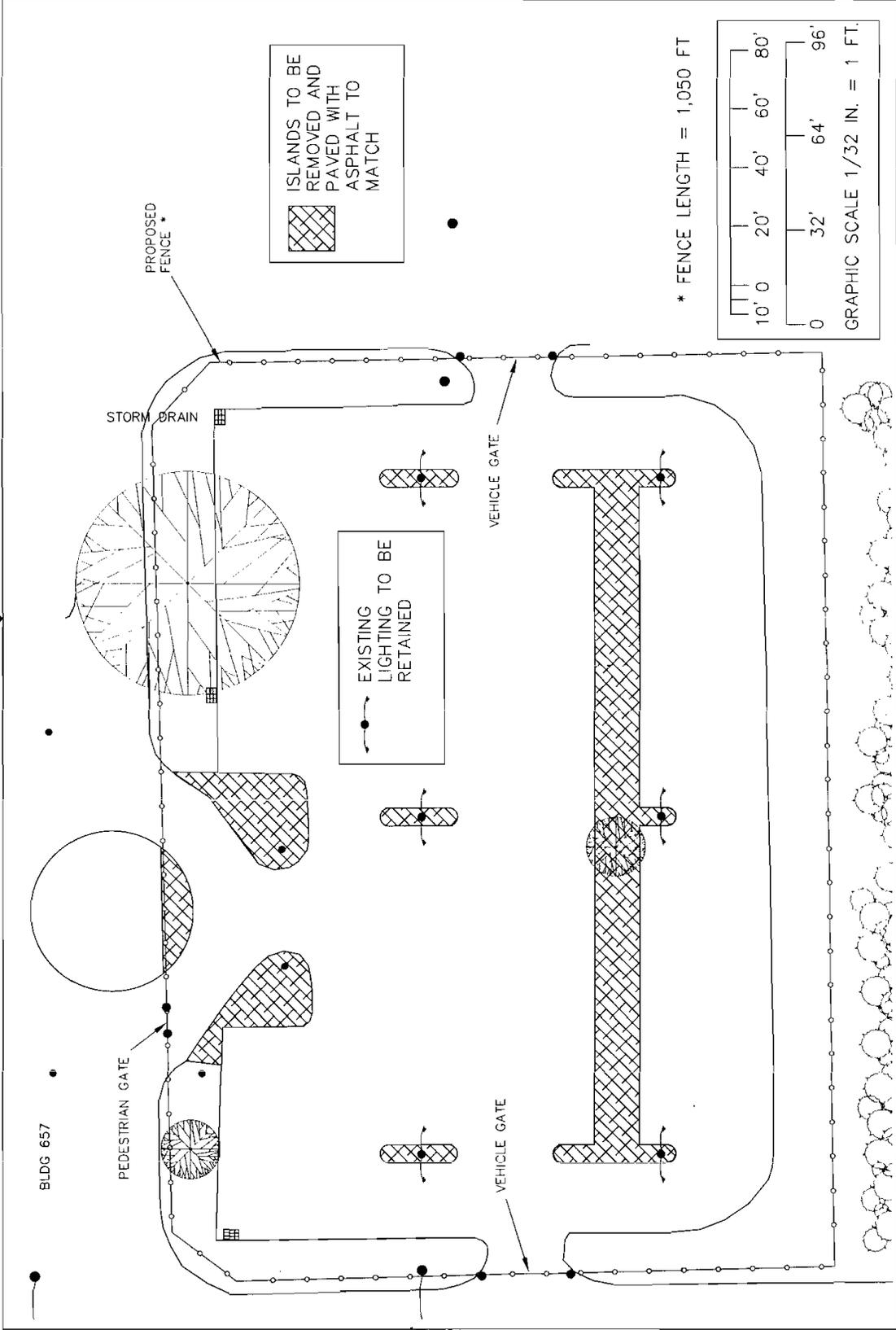
Dear Sean,

This letter is a modification to our letter dated April 09, 2002 regarding proposed alterations to the parking lot area of Building 657. A drawing is provided indicating the new plan for modifying and fencing the subject parking area. The change involves the cross-hatched areas that are currently parking islands. We propose to remove them and pave the area with asphalt to match the existing parking area.

Please contact me if you have any additional questions concerning this issue.

Very truly yours,

R. K. Gregory  
Member



# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: NS 53 Contractor: Charleston Marine Services, Date: 4/1/02

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

- |  |   |  |
|--|---|--|
| Excavation <input type="checkbox"/>          | Drainage Ditches <input type="checkbox"/>   | Railroad Tracks <input type="checkbox"/>         |
| Pavements <input type="checkbox"/>           | Other: Fence Posts <input type="checkbox"/> |  |
| Overhead Lines : <input type="checkbox"/>    | Utilities <input type="checkbox"/>          | Communications <input type="checkbox"/>          |
| Underground Lines : <input type="checkbox"/> | Utilities <input type="checkbox"/>          | Communications <input type="checkbox"/>          |
| Method of Excavation:                        | Hand <input checked="" type="checkbox"/>    | Power Shovel <input type="checkbox"/>            |
|  | Ditcher <input type="checkbox"/>            | Auger <input type="checkbox"/>                   |
|  |   | <input type="checkbox"/> Other: Post Hole Digger |

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
 Please see attached Charleston Marine Services delivery order with diagram to erect fence.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: ASAP Termination Date of Permit: 7/1/02  
 Signature of Requesting Official: *[Signature]* Date: 4/1/02 Phone Number: 843-747-0010

### Caretaker Site Office Review

**Points of Contact:**  
 CPW : Robert Sagasser  
 (work) 529-0653  
 (page) 570-0390  
 SCE&G: R.W. Smith  
 (work) 745-6381  
 RDA: Gene Knisley  
 Sewer POC:  
 (work) 747-0010

1. Who is the current Land Owner/ Leasee? Charleston Marine
2. Is the Area Inside the CIA?  Yes  No
3. Are any SWMU(s) impacted? If yes, list.  Yes  No ( )
4. Are any AOC(s) impacted? If yes, list.  Yes  No ( )
5. Has DHEC been notified?  Yes  No
6. Will soil need to be temporarily stockpiled?  Yes  No
7. What constituents will soil be tested for? \_\_\_\_\_
8. Soil Test results above residential background?  Yes  No
9. Soil Test results above industrial background?  Yes  No
10. Area where soil is to be stockpiled? (See Attached Map)
11. What is the serial # of forwarding letter to RDA? 021

Permit Approved?  Yes  No

CSO Authorizing Signature: *[Signature]* Date out: 4/16/02  
 CH2MHILL/J.A. Jones Signature: *[Signature]*  
 BEC Signature: M. Ashtand 4/13/02 Serial Number: 070  
 CSO Officer Signature: Amy Daniel 4/16/02

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 070  
Request Date = 1 April 2002  
Comments Date = 10 April 2002  
Location = Bldg. NS-53

### Environmental Review Comments

This project proposes the following: (a) to finish installing a fence on the property of Bldg. NS-53.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

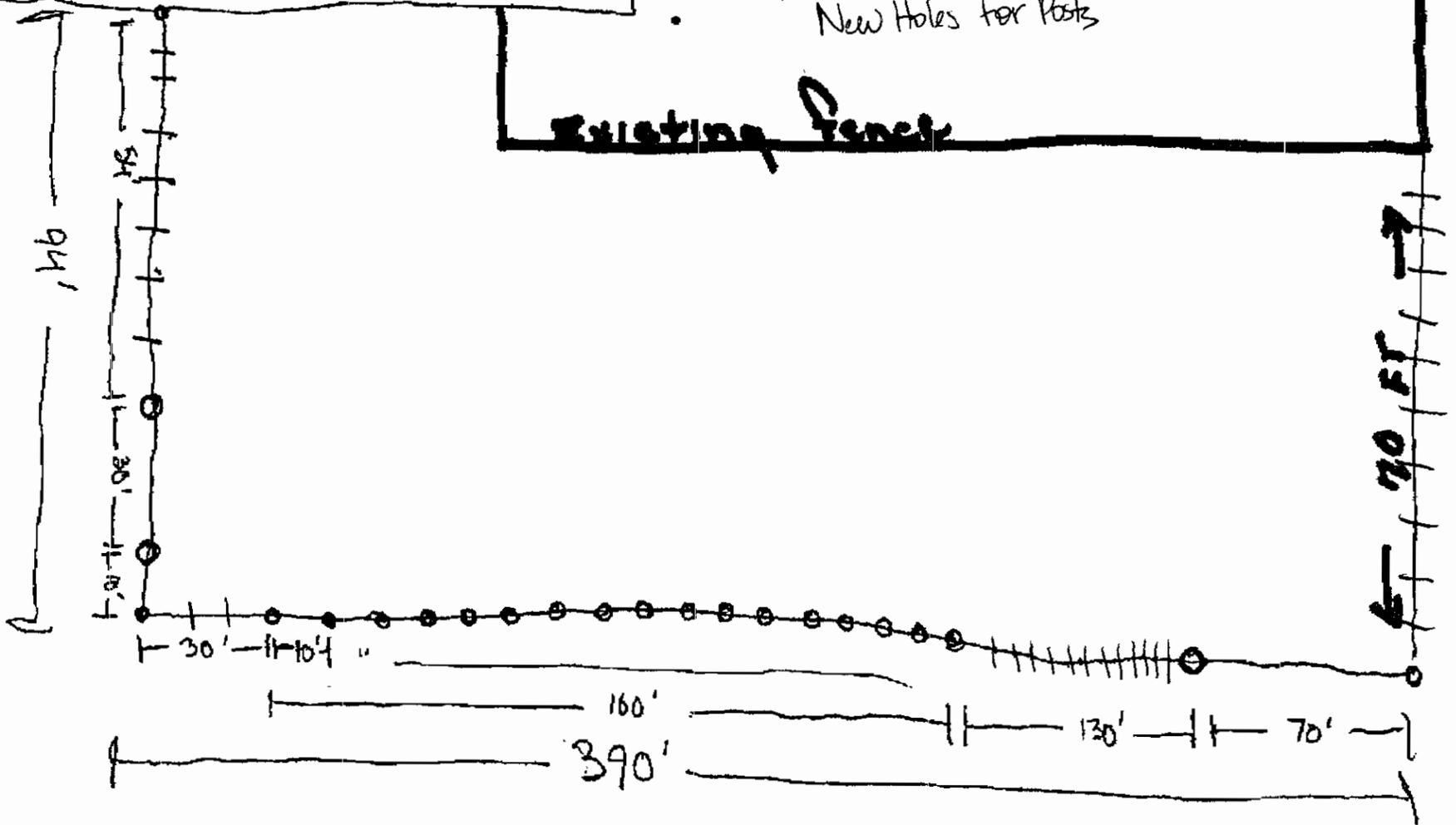
If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being transported to the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.

2221 S. Hobson Ave  
BUILDING

Charleston Marine Services  
- Diagram of What is existing  
NOW.

New Holes for Posts

Existing Fence







**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090  
Ser CSO/021  
17 April 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: CHARLESTON MARINE SERVICES REQUEST TO FINISH  
CONSTRUCTION OF FENCE AT NS-53**

Your letter of 1 April 2002 forwarded a request from Charleston Marine Services, LLC to finish construction of a fence at Bldg. NS-53 for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved. Please note the approval is only for the 31 holes that are highlighted on the attached sketch. The holes that were dug previously to this request are not included in this permit and were not approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO prior to transporting soil to the soil management area (see enclosed map).

If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in black ink that reads "Amy Daniell". The signature is written in a cursive style with a large, prominent 'A' and 'D'.

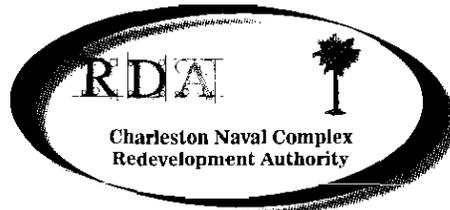
Amy Daniell  
Caretaker Site Officer  
By the direction of the Commander

James C. Bryan  
Chairman

Lonnie Hamilton, III  
Vice Chairman

Ronnie M. Givens  
Secretary/Treasurer

James M. Deaton  
Assistant Secretary/Treasurer



Susan K. Dunn

James S. Minor, Jr.

Eugene R. Ott

Jack C. Sprott  
Executive Director

April 1, 2002

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

Subject: **CHARLESTON MARINE SERVICES REQUEST TO FINISH  
CONSTRUCTION OF FENCE AT BUILDING NS-53**

Dear Amy:

We are forwarding a request from Charleston Marine Services, LLC to finish the construction of the fence at Building NS-53. We understand that the Navy is in the process of forwarding a letter addressing the portion of the fence that was erected without an approved digging permit. Our understanding is that this letter will require our tenant to forward a new digging permit request that only addresses the portion of the fence remaining to be completed. We have received this information and are forwarding a new digging permit request. As you will note, we still need to erect poles for the final 70 LF of fence along the backside of the property and then will install the fence mesh (vinyl coated) and the three strands of barbed wire at the top.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures

\* 31 ADDITIONAL POLES TO BE INSTALLED  
AS OF 4/9/02.

**CHARLESTON MARINE SERVICES, LLC**  
**TOWBOAT/U.S. CHARLESTON SC**  
**PHONE (843) 744-8485 FAX (843) 744-8118**

---

**FACSIMILE TRANSMITTAL SHEET**

---

<b>TO:</b> Mr. Sean McDonald	<b>FROM:</b> Natalie (Joe Beasenburg)
<b>COMPANY:</b> Redevelopment Authority	<b>DATE:</b> March 28, 2002
<b>FAX NUMBER:</b> 747-0054	<b>NO. OF PAGES INCLUDING COVER:</b> 4
<b>PHONE NUMBER:</b> 747-0010	<b>SENDER'S REFERENCE NUMBER:</b> 2221 South Hobson
<b>RE:</b> Fence: U.S. NAVY PERMIT	<b>YOUR REFERENCE NUMBER:</b>

---

URGENT    FOR REVIEW    PLEASE COMMENT    PLEASE REPLY    PLEASE RECYCLE

---

**NOTES/COMMENTS:**

Dear Mr. McDonald:

Following this fax cover page please find the diagram for the existing fence construction and the diagram for the fence upon completion.

Please contact our office any additional information is necessary. I thank you for your time and assistance.

---

**874 MIKELL DRIVE: CHARLESTON SOUTH CAROLINA 29412**

**Charleston Marine Services, LLC**  
**TowBoat/U.S. Charleston SC**  
874 Mikell Drive, Charleston SC 29412  
Phone (843) 744-8485 Facsimile (843) 744-8118

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March 28, 2002

Sean McDonald  
Redevelopment Authority  
1690 Turnbull Avenue, Suite NH-47  
North Charleston, South Carolina 29405

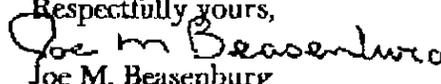
Subject: Fence permit

Dear Mr. McDonald:

Please find the following diagram of what presently exists of the fence at 2221 South Hobson due to the contractor, unfortunately, starting the project early. Along with that is the original sketch of the fence, after it is completed.

I hope that this information will be helpful and if you need any additional information in order to expedite this process, please do not hesitate to contact me at 744-8485.

Again, I thank you for your assistance with this project.

Respectfully yours,  
  
Joe M. Beasenburg

Cc: file

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> 1220 BARRACKS RD CSBPA SWIMMING POOL	<b>Contractor:</b> . AAA FENCE	<b>Date of Request:</b> 4/3/02
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Has the proposed work been staked out?  Yes  No

Facility/ Work Involved (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <u>FENCE</u> <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Auger <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	<input type="checkbox"/> Other: _____

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

SEE ATTACHED STATEMENT OF WORK AND SITE MAP

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <u>4/10/02</u>	<b>Termination Date of Permit:</b> <u>5/30/02</u>
<b>Nature of Requesting Official:</b> <u>Amy Daniel</u>	<b>Date:</b> <u>4/3/02</u> <b>Phone Number:</b> <u>743-8858 Ext 152</u> <b>FAX</b> <u>743-2049</u>

**Points of Contact:**  
CPW : Robert Sagasser  
(work) 529-0653  
(page) 570-0390

SCE&G: R.W. Smith  
(work) 745-6381

RDA: Gene Knisley  
Sewer POC:  
(work) 747-0010

1. Who is the current Land Owner/ Leasee? <u>Border Patrol</u>		
2. Is the Area inside the CIA?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
3. Are any SWMU(s) impacted? If yes, list.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No ( )
4. Are any AOC(s) impacted? If yes, list.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No ( )
5. Has DHEC been notified?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
6. Will soil need to be temporarily stockpiled?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
7. What constituents will soil be tested for?		
8. Soil Test results above residential background?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
9. Soil Test results above industrial background?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
10. Area where soil is to be stockpiled?	<u>(See Attached Map)</u>	
11. What is the serial # of forwarding letter to RDA?		

Permit Approved?  Yes  No

CSO Authorizing Signature: Amy Daniel for Vick Nelson Date out: 5 April 02

PHILL/J.A. Jones Signature: [Signature]

BEC Signature: Amy Daniel for Tony Hunt per Vick Nelson 4/3/02 Serial Number: 069

CSO Officer Signature: Amy Daniel

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 069  
Request Date = 3 April 2002  
Comments Date = 5 April 2002  
Location = Border Patrol Swimming Pool

### Environmental Review Comments

This project proposes the following: (a) to install approximately 550 linear feet of chain link fencing.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being transported to the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

**U.S. Border Patrol Satellite Training Academy  
Charleston, SC**

**Chain link fence**

1. The Department of Justice is requesting a detailed cost proposal to provide all labor, equipment, materials and supervision necessary for the manufacturer, delivery and installation of approximately 550 linear feet of chain link fencing at the Swimming Pool Facility located at the corner of Barracks Avenue and Kite Avenue of the U.S. Border Patrol Academy Satellite Training Academy in Charleston, SC. The fence shall be equivalent to the Color Plus Fence as manufactured Master Halco, Inc. The fence shall be constructed according to the following specification and installed as shown on the attached site plan:

**Chain link fabric:**

**Type:** Extruded polyvinyl chloride with bonding agent.  
**Gauge:** 9 ga. steel core wire with 6 ga. overall finish  
**Height:** 6'-0"  
**Color:** Green

**Framework:**

**Top Rail:** 1 5/8" O.D.  
**Line Posts:** 2 3/8" O.D.  
**Terminal Posts:** 4" O.D.

**Gate:**

**Fabric:** Same mesh and gauge as chain link selected  
**Frame:** Same as top rail selected  
**Color:** Green

**Fittings:**

**Steel Fittings:** Hot Dip Galvanized Plus 10-14 Mils PVC  
**Tie Wires:** Galvanized Wire Plus 20 Mils Extruded PVC  
**Color:** Green

**15 Year Warranty**

DYERS AVENUE

Fence Line

1240

14'-0" ~~20'0"~~

Double 10'-0" Gate

10'-0"

1891

USBPA Swimming Pool

175'

Fence Line

Single 10'-0" Gate

10'

Single 10'-0" Gate

Fence Line

75'

Fence Line

1851

20'-0"

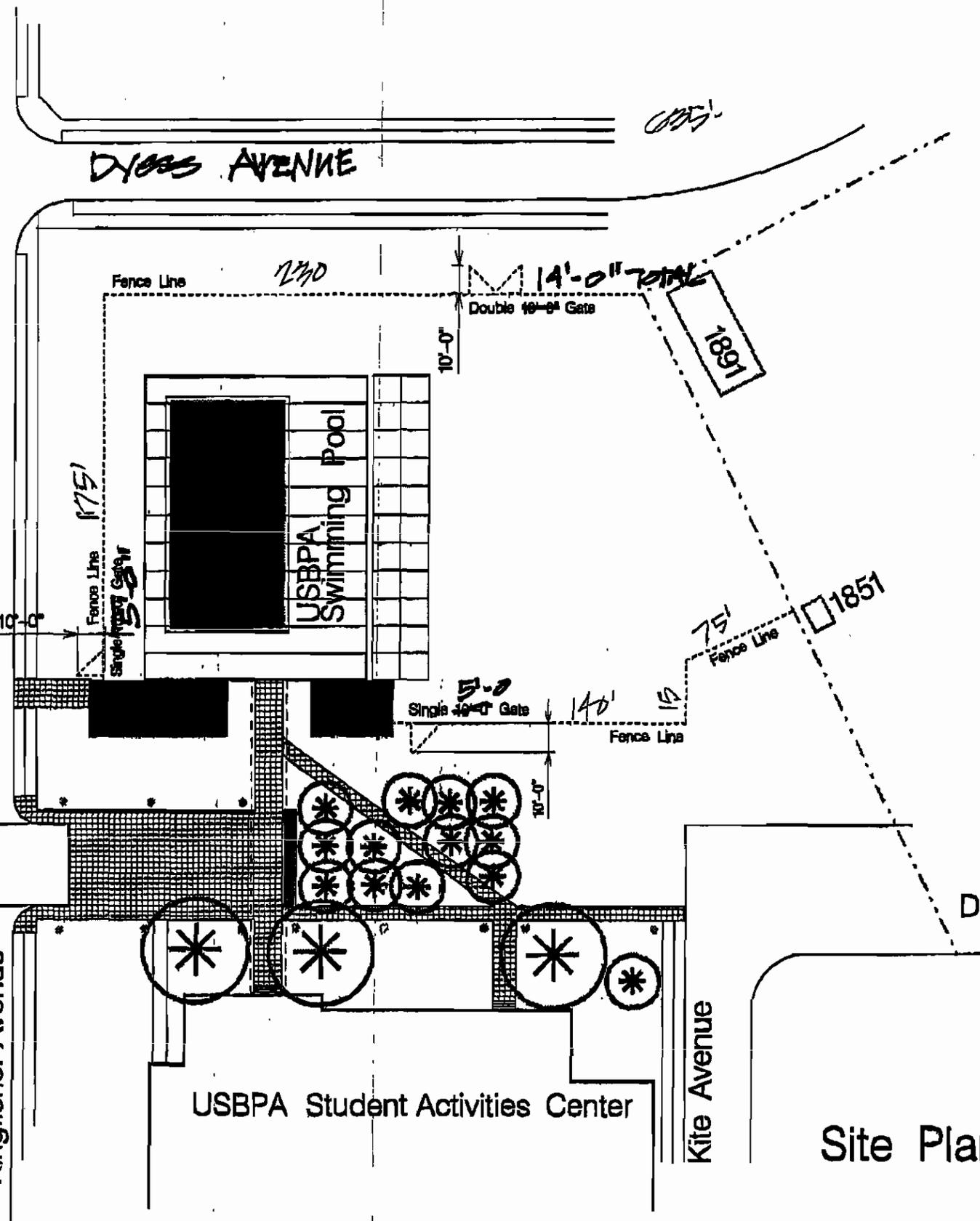
10'-0"

Barracks  
Kingfisher Avenue

USBPA Student Activities Center

Kite Avenue

Site Plan



# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: <b>Naval Station Annex</b>	Contractor: <b>CPW</b>	Date: <b>3/22/02</b>
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Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand Ditcher <input type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
		Auger <input type="checkbox"/>

Other:

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
**Please see attached CPW drawing to install 6" and 8" DIP throughout the Annex.**

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: <b>5/1/02</b>	Termination Date of Permit: <b>3/1/03</b>
Signature of Requesting Official:	Date: <b>3/22/02</b> Phone Number: <b>843-747-0010</b>

## Caretaker Site Office Review

<b>Points of Contact:</b> CPW : Robert Sagasser (work) 529-0653 (page) 570-0390  SCE&G: R.W. Smith (work) 745-6381  RDA: Gene Krisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>Public Works</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ( )</li> <li>5. Has DHEC been notified? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>029</u></li> </ol>
Permit Approved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

CSO Authorizing Signature:	Date out: <u>2 May 02</u>
CH2MHILL/J.A. Jones Signature:	Serial Number: <u>068</u>
Signature:	
CSO Officer Signature:	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 068  
Request Date = 22 March 2002  
Comments Date = 2 May 2002  
Location = Naval Station Annex

### Environmental Review Comments

This project proposes the following: (a) to install new 6" and 8" ductile iron water pipe.

The Navy has identified that in this area a release of hazardous substances has occurred, but required actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-2985.

## CH2M-JONES, LLC

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April 26, 2002

To: Charleston Caretaker Site Office (CSO), Charleston Naval Complex  
North Charleston, SC.

From: CH2M-JONES, LLC

Subject: DIG PERMIT FOR CPW WATER MAIN INSTALLATION AT THE NAVAL  
STATION ANNEX

CH2M-Jones has reviewed the attached Dig Permit, CSO log number 068, and identified several concerns that the U.S. Navy should review prior to approving the permit.

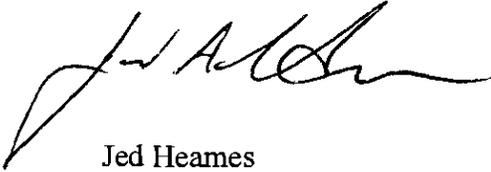
A review of the as built drawing "*ABANDONMENT OF WATER MAINS AND INSTALLATION OF NEW WATER MAINS AT THE NAVAL ANNEX NORTH CHARLESTON, SOUTH CAROLINA*" dated 2/24/00 shows that the proposed work is within the footprint and/or adjacent to SWMUs 161, 166, and 185 (See attached map). The investigations to date have not identified any contaminants of concern in the surface soils (at depths of 0-5 ft below ground surface) at SMWUs 161, 185, and 166 at concentrations above levels that would pose risk to human health or the environment. However, groundwater contamination from chlorinated volatile organic compounds has been identified in areas that would be impacted by the construction activities related to the installation of the water mains as shown in the as-built drawings provided to CH2M-Jones by the CPW. This groundwater contamination could potentially impact the work activities on Avenue "A" south of Building 2505 and on Avenue "B" east of Building 2511 should groundwater be encountered. Please provide more information on the depths of excavations planned for the water main construction.

The proposed treatment of the groundwater contamination involves the injection of high-pressure nitrogen to emplace Zero-Valent Iron powder into the subsurface. The process requires the installation of several new injection wells and groundwater monitoring wells in addition to those already installed in the vicinity of the water main construction areas proposed by the CPW. Monitoring well and injection well installations are currently expected to begin during the second week of May 2002 and continue through mid-July 2002. The remedial injection activities being performed in this area are critical to providing a long-term remedial solution for subsurface contamination in this area. During the injection activity there may be times when the water main installation operation must cease. We will work with the Contractor to minimize any disruptions.

Please be advised that the remedial activities being conducted by CH2M-Jones, are subject to review by the State and Federal regulatory authorities and that the schedule for remedial activities is often impacted by regulatory review. It is imperative that these remedial activities not be impacted by the water main construction activities. Additionally, the Contractor must agree to protect all wells within the area, as many of these wells will continue to be used for long-term monitoring of groundwater contamination.

Please feel free to contact the Site Superintendent, Jed Heames at (843) 740-2780 or Gary Foster, Program Manager at (770)-604-9182 ext. 573 should you have any questions.

Respectfully,

A handwritten signature in black ink, appearing to read 'Jed Heames', with a long, sweeping horizontal stroke at the end.

Jed Heames  
Site Superintendent



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090

Ser CSO/029

2 May 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: COMMISSIONERS OF PUBLIC WORKS (CPW) REQUEST TO  
INSTALL WATER LINE AT THE NAVAL STATION ANNEX**

Your letter of 22 March 2002 forwarded a request from the CPW to install new 6" and 8" ductile iron water pipe throughout the Naval Station Annex, for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but required actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of the excavation, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions. If you have any questions or comments, please contact Rick Nielson or myself at 743-2985.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

Amy Daniell

Caretaker Site Officer

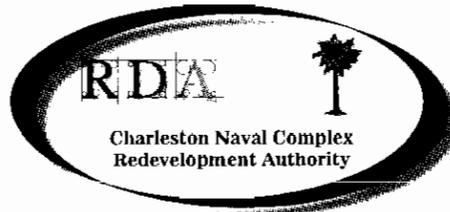
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Susan K. Dunn**

**James S. Minor, Jr.**

**Eugene R. Ott**

**Jack C. Sprott**  
*Executive Director*

March 22, 2002

Ms. Amy Daniel  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

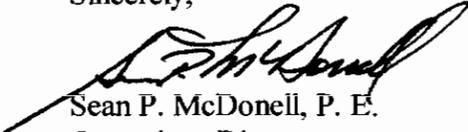
**Subject: COMMISSIONERS OF PUBLIC WORKS (CPW) REQUEST TO  
INSTALL WATER LINE AT THE NAVAL STATION ANNEX**

Dear Amy:

We are forwarding a request from CPW to install new 6" and 8" ductile iron water pipe (DIP) throughout the Naval Station Annex off of Remount Road as depicted in the attached drawing. The Annex is currently serviced by old asbestos cement pipe that is in need of replacement. CPW tentatively plans to do this work this summer, but wants to get a digging permit in place to ensure that there will be no problems. We have attached a digging permit application.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,



Sean P. McDonell, P. E.  
Operations Director

/enclosures

## Daniell, Amy (Efdsouth)

---

**From:** Daniell, Amy (Efdsouth)  
**Sent:** Thursday, May 02, 2002 2:21 PM  
**To:** 'scaturdm@dhec.state.sc.us'  
**cc:** Hunt, Tony (Efdsouth)  
**Subject:** CPW excavation request

This e-mail's purpose is to provide you with notification that CPW will be disturbing soil throughout the Naval Station Annex. We have notified the RDA and CPW that they will be disturbing soil in the areas of solid waste management units (SWMU 161, 166, and 185). They have been provided with information on the types of contaminants they may encounter and to take necessary precautions to minimize dermal exposure to their workers. They are also to stop work immediately if there is suspect soil or an unusual odor. Please contact our office if you have any questions.



# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: LDG 677 X 676 Contractor: HIGH TOWER Date of Request: 20 MAR 02

the proposed work been staked out?  Yes  No

Facility/ Work Involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	Communications <input type="checkbox"/>
Overhead Lines <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
<u>Underground Lines</u> : <input checked="" type="checkbox"/>	Utilities <input type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
Method of Excavation:	Hand Ditcher <input checked="" type="checkbox"/>	Auger <input checked="" type="checkbox"/>
		<input type="checkbox"/> Other: _____

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

INSTALL THREE OUTSIDE LIGHT POLES & UNDERGROUND WIRING (2) TIE IN EXISTING DOWNSPOUT (677) TO EXISTING CATCH BASIN (APPROX 40')

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: ASAP Termination Date of Permit: 30 APR

Signature of Requesting Official: Jimmy LeCroy Date: \_\_\_\_\_ Phone Number: 764-4112X 3027

<p>Points of Contact:</p> <p>CPW: Robert Sagasser (work) 528-0653 (page) 570-0390</p> <p>SCE&amp;G: R.W. Smith (work) 745-6381</p> <p>RDA: Gene Kntsley Sewer POC: (work) 747-0010</p>	<ol style="list-style-type: none"> <li>Who is the current Land Owner/ Lessee? <u>Border Patrol</u></li> <li>Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>Are any SWMU(s) Impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>Are any ADC(s) Impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>What constituents will soil be tested for? _____</li> <li>Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>What is the serial # of forwarding letter to RDA? <u>NA</u></li> </ol>
--	---

Permit Approved?  Yes  No

CSO Authorizing Signature: Bob Dick Date out: 25 March 02

CH2MHILL/J.A. Jones Signature: [Signature]

BEC Signature: [Signature] For Tony Hunt Serial Number: 067

CSO Officer Signature: Amy Daniell

\*Permit is approved contingent upon the following actions to be taken by permittee:

Assists Required: \_\_\_\_\_

Discharge Instructions: \_\_\_\_\_

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 067  
Request Date = 20 March 2002  
Comments Date = 21 March 2002  
Location = Bldg. 676 & 677

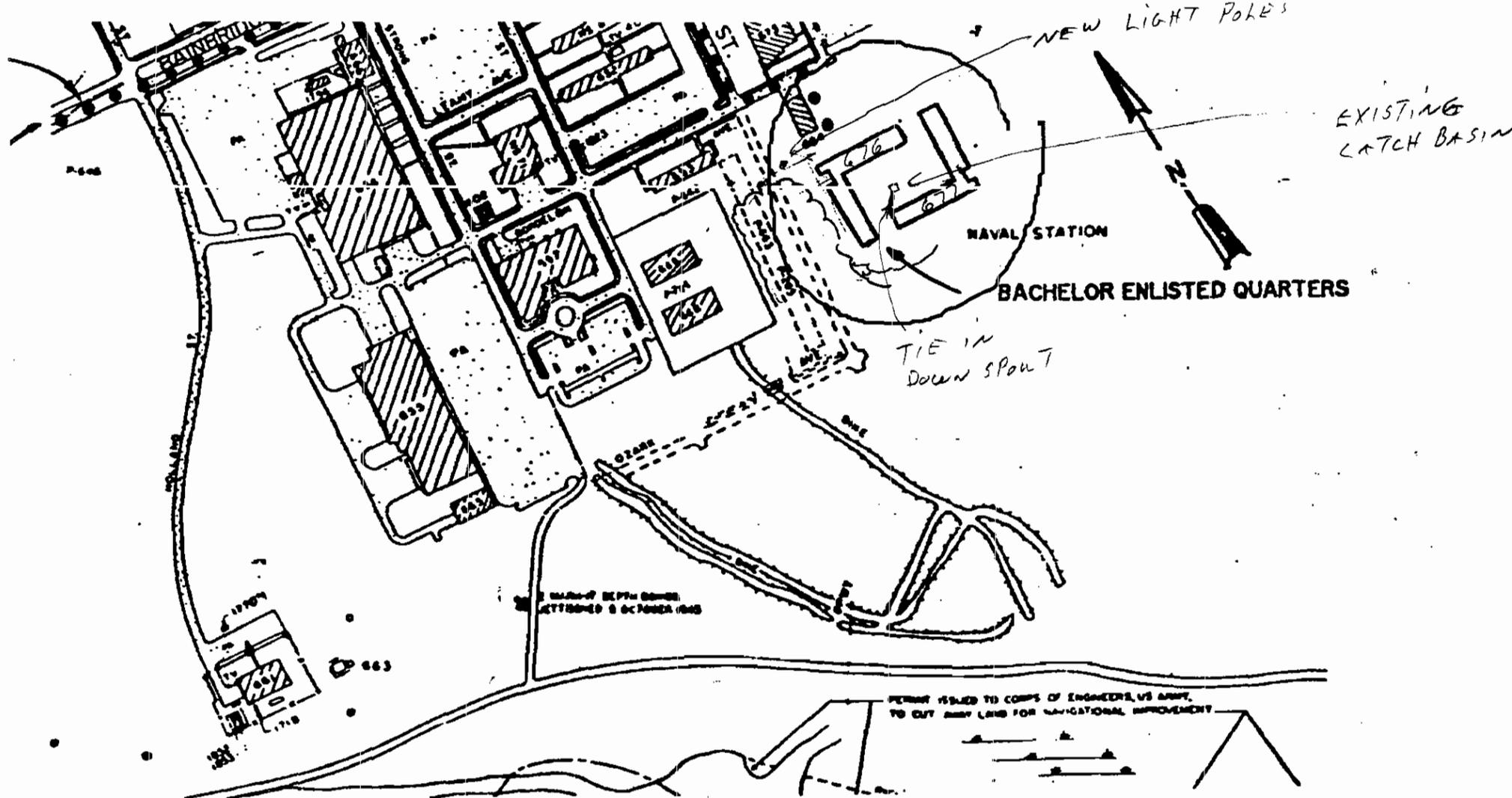
### Environmental Review Comments

This project proposes the following: (a) to install three light poles, and (b) to tie an existing downspout into an existing catch basin.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being transported to the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



**SCALE**

**SCALE 1" = 348'-0"**

**348'      0      348'      696'**





## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 066  
Request Date = 14 March 2002  
Comments Date = 20 March 2002  
Location = Parking lot of NS-53

### Environmental Review Comments

This project proposes the following: (a) to move Bldg. 809 (Rub Bldg.)

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial actions. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site, the CSO should be notified prior to disposal for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090  
Ser CSO/018  
20 March 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: CHARLESTON MARINE SERVICES REQUEST TO RELOCATE  
RUB BUILDING 809**

Your letter of 14 March 2002 forwarded a request from Charleston Marine Services to relocate Bldg. 809 (Rub Bldg.) to the parking lot of NS-53, for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO

The enclosed digging permit is approved. The contractor should be aware that there are groundwater monitoring wells in the vicinity of the project area and that the wells shall not be impacted in any way. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO prior to transporting soil to the soil management area. If you have any questions or comments, please Rick Nielson or myself at 743-9985.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

Amy Daniell

Caretaker Site Officer

By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Susan K. Dunn**

**James S. Minor, Jr.**

**Eugene R. Ott**

**Jack C. Sprott**  
*Executive Director*

March 14, 2002

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: CHARLESTON MARINE SERVICES REQUEST TO RELOCATE RUB  
BUILDING 809**

Dear Tom:

We are forwarding a request from Charleston Marine Services, LLC to relocate the Building 809 (Rub Building) to the parking lot of NS-53, which they now license and will soon lease, with Charleston Boatworks, Inc. We received the foundation drawings from Brantley Construction today that indicate how the building will be anchored in the NS-53 parking lot. Brantley Construction will construct the foundation system. We have attached a digging permit request for this work as well. Building 809 was formerly located between Drydocks #3 & #4.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,

Sean P. McDonell, P. E.  
Operations Director

/enclosures

**Charleston Marine Services, LLC**  
**TowBoat/U.S. Charleston SC**  
874 Mckell Drive; Charleston SC 29412  
Phone (843) 744-8485 Facsimile (843) 744-8118

---

February 26, 2002

Sean McDonald, Charleston Naval Redevelopment Authority  
1690 Turnbull Avenue: Suite NH-47  
North Charleston, South Carolina 29405

Dear Sean:

This letter is in regards to Charleston Marine Services, LLC:

1. Re-erecting its rub building adjacent to building NS52 and NS52 parking lot.
2. The rub building will be supported by a concrete perimeter anchoring system.
3. A rough sketch is to follow.

I thank you in advance for your assistance with this matter and I look forward to hearing from you.

Respectfully,

  
Joe M. Beasenburg  
Charleston Marine Services, LLC

**CHARLESTON MARINE SERVICES, LLC**

874 Mikkell Drive  
Charleston SC 29412

**TOWBOATS  
CHARLESTON, SOUTH CAROLINA**

**PHONE (843) 744-8485  
(843) 795-4699  
FAX #'s (843) 744-8118  
(843) 795-4050**

**Email: charlestonmarine@hotmail.com**

***Fax Transmittal Form***

**TO: Sean McDonald  
Redevelopment Authority**

**FROM: Joe Beasenburg  
Charleston Marine Services, LLC**

- Urgent
- For Review
- Please Comment
- Please Reply

**Recipient Fax Number: 747-0054  
Date sent: 02-26-02  
Time sent: 3:35 pm  
Number of pages including cover page: 2**

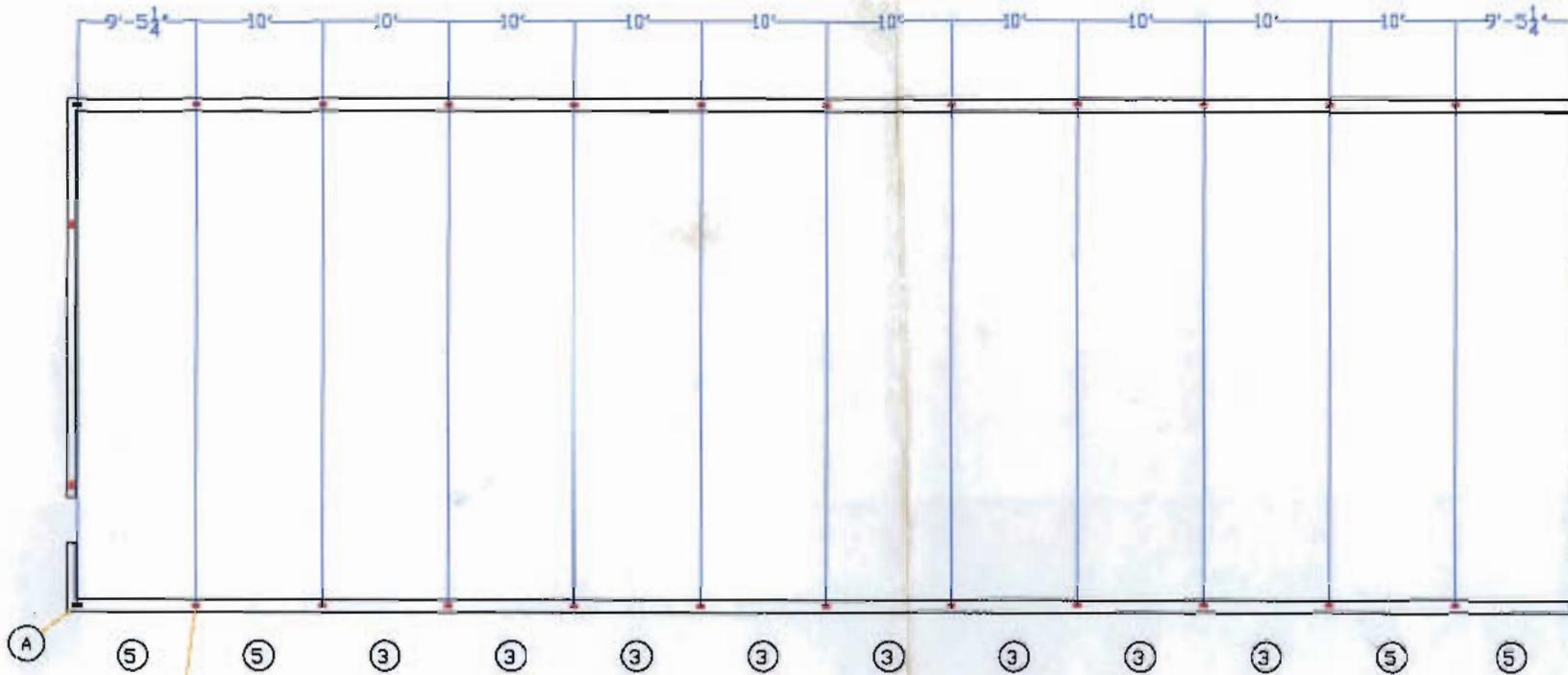
***Message:***

**Dear Sean:**

**Following this fax cover page please find the request/notice of re-erecting our rub building. I thank in advance to for assistance.**

NEW FOUNDATION TO BE LOCATED IN PARKING LOT EAST OF OLD DELTA MARINE BUILDING

SOUTH HOBSON 



- # EVENLY SPACE LOOP ANCHORS BETWEEN COLUMN PER QUANTITIES ABOVE  
SAME OPPOSITE WALL  
SPACE NO MORE THAN 24" ON SIDE WALLS  
CORNER ANCHORS TO BE 3/4"  
ALL OTHERS TO BE 1/2"

EXISTING CHAIN LINK FENCE

- (A) CORNER PATTERN TYP (D) 10' O/S PATTERN TYP

SIDE WALL ANCHOR BOLT LAYOUT

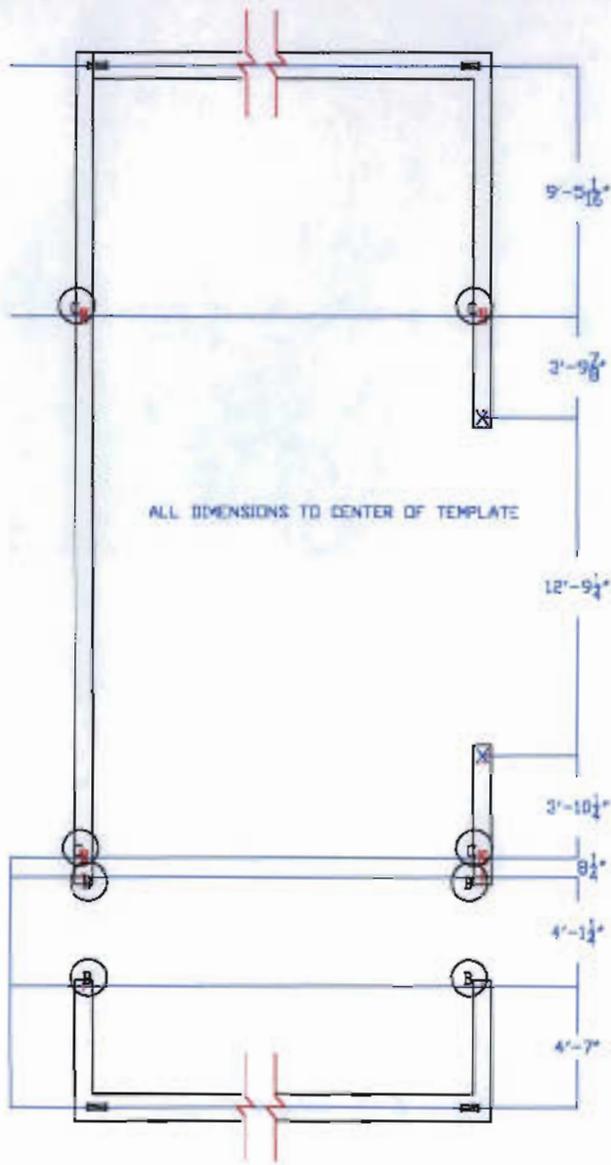


REV	BY

BRANTLEY CONSTRUCTION CO., INC.  
8300 DORCHESTER RD  
CHARLESTON, SC  
843 552-0150

FOOTER FOR  
BOAT TOW U.S.  
NORTH CHARLESTON, SC

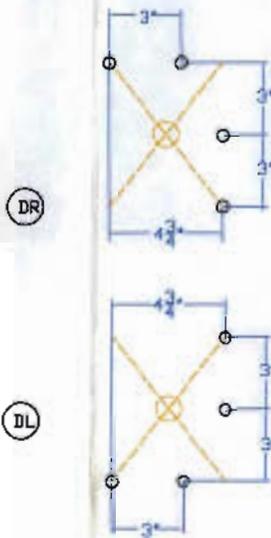
DATE 3/27/02  
SCALE NONE  
SHEET  
ANCHOR



END WALL ANCHOR LOCATIONS

ANCHOR BOLT TEMPLATES

OVERHEAD DOOR



SOUTH HOBSON →

(C)



(B)

AT DOORS



REVISION	BY

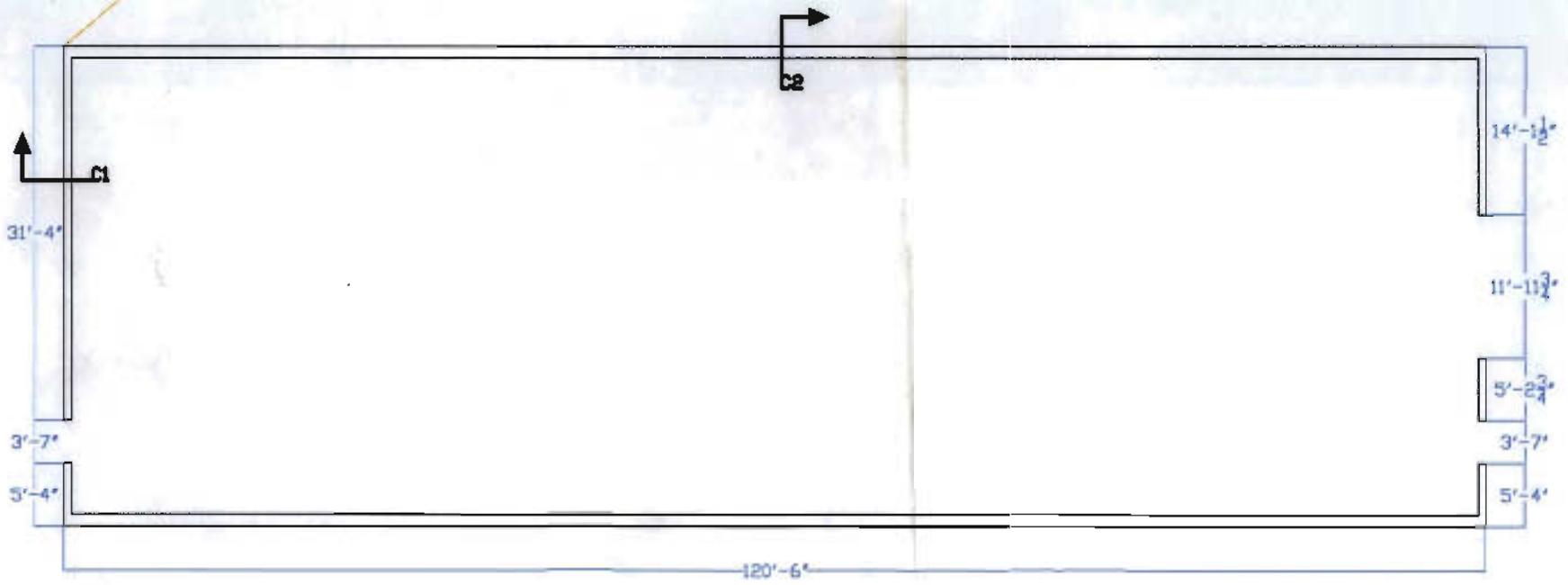
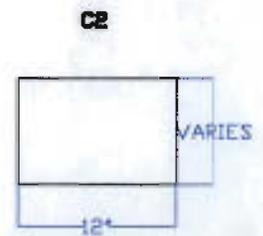
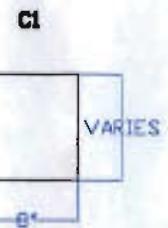
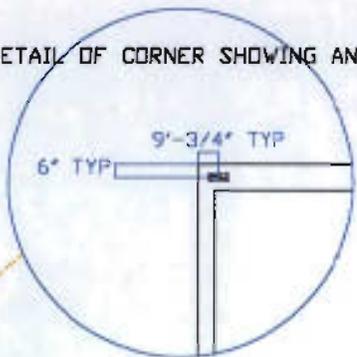

BRANTLEY CONSTRUCTION CO., INC.  
8300 DORCHESTER RD  
CHARLESTON, SC  
843 552-0150

FOOTER FOR  
BEAT TOW U.S.  
NORTH CHARLESTON, SC

DATE  
3/3/02  
SCALE  
NONE  
XX  
482

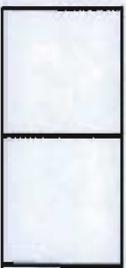
SOUTH HOBSON →

DETAIL OF CORNER SHOWING ANCHOR LOCATION



CONC FOOTER DIMENSIONS

REVISION	BY



SMITHLEY CONSTRUCTION CO., INC.  
 8300 BIRCHCREST RD  
 CHARLESTON, SC  
 843 552-0150

FOOTER FOR  
 BOAT TOW, U.S.  
 NORTH CHARLESTON, SC

DATE  
 3/3/08  
 SCALE  
 NONE  
 OR  
 XX  
 0427

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> Building 84 (Near Drydock #2)	<b>Contractor:</b> CMMC	<b>Date:</b> 3/14/02
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**Has the proposed work been staked out?**  Yes  No

**Facility/ Work involved (Please check below)**

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	
Overhead Lines : <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
**CMMC Needs to excavate a 20 LF long, 1 x 1 trench to install a 2" PVC sewer line to service the condos of drydock #2 (Bldg. 84) to MH 250. Please see the attached sketch.**

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> ASAP	<b>Termination Date of Permit:</b> 6/1/02
<b>Signature of Requesting Official:</b> <i>[Signature]</i>	<b>Date:</b> 3/14/02 <b>Phone Number:</b> 843-747-0010

**Caretaker Site Office Request**

<p><b>Points of Contact:</b>  <b>CPW :</b> Robert Sagasser                  (work) 529-0653                  (page) 570-0390</p> <p><b>SCE&amp;G:</b> R.W. Smith                  (work) 745-6381</p> <p><b>RDA:</b> Gene Knisley                  Sewer POC:                  (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>CMMC</u></li> <li>2. Is the Area inside the CIA? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? (See Attached Map)</li> <li>11. What is the serial # of forwarding letter to RDA? <u>016</u></li> </ol> <p style="text-align: right;"><b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
--	---

<b>CSO Authorizing Signature:</b> <u><i>[Signature]</i></u>	<b>Date out:</b> <u>3/19/02</u>
<b>CH2MHILL/J.A. Jones Signature:</b> <u><i>[Signature]</i></u>	
<b>BEC Signature:</b> <u><i>[Signature]</i> 3/16/02</u>	<b>Serial Number:</b> <u>016</u>
<b>CSO Officer Signature:</b> <u><i>[Signature]</i> 3/19/02</u>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 064

Request Date = 14 March 2002

Comments Date = 15 March 2002

Location = Bldg. 84 & MH 250 near Fourth St. near Drydock #2

### Environmental Review Comments

This project proposes the following: (a) to install a 2" PVC sewer line.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial actions. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site, the CSO should be notified prior to disposal for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090  
Ser CSO/016  
19 March 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: CMMC, LLC DIGGING REQUEST**

Your letter of 14 March 2002 forwarded a request to install a 2" PVC sewer line between Bldg. 84 and MH 250 for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO prior to transporting soil to the soil management area. If you have any questions or comments, please Rick Nielson or myself at 743-9985.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

Amy Daniell  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Susan K. Dunn**

**James S. Minor, Jr.**

**Eugene R. Ott**

**Jack C. Spratt**  
*Executive Director*

March 14, 2002

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

Subject: **CMMC, LLC DIGGING REQUEST**

Dear Tom:

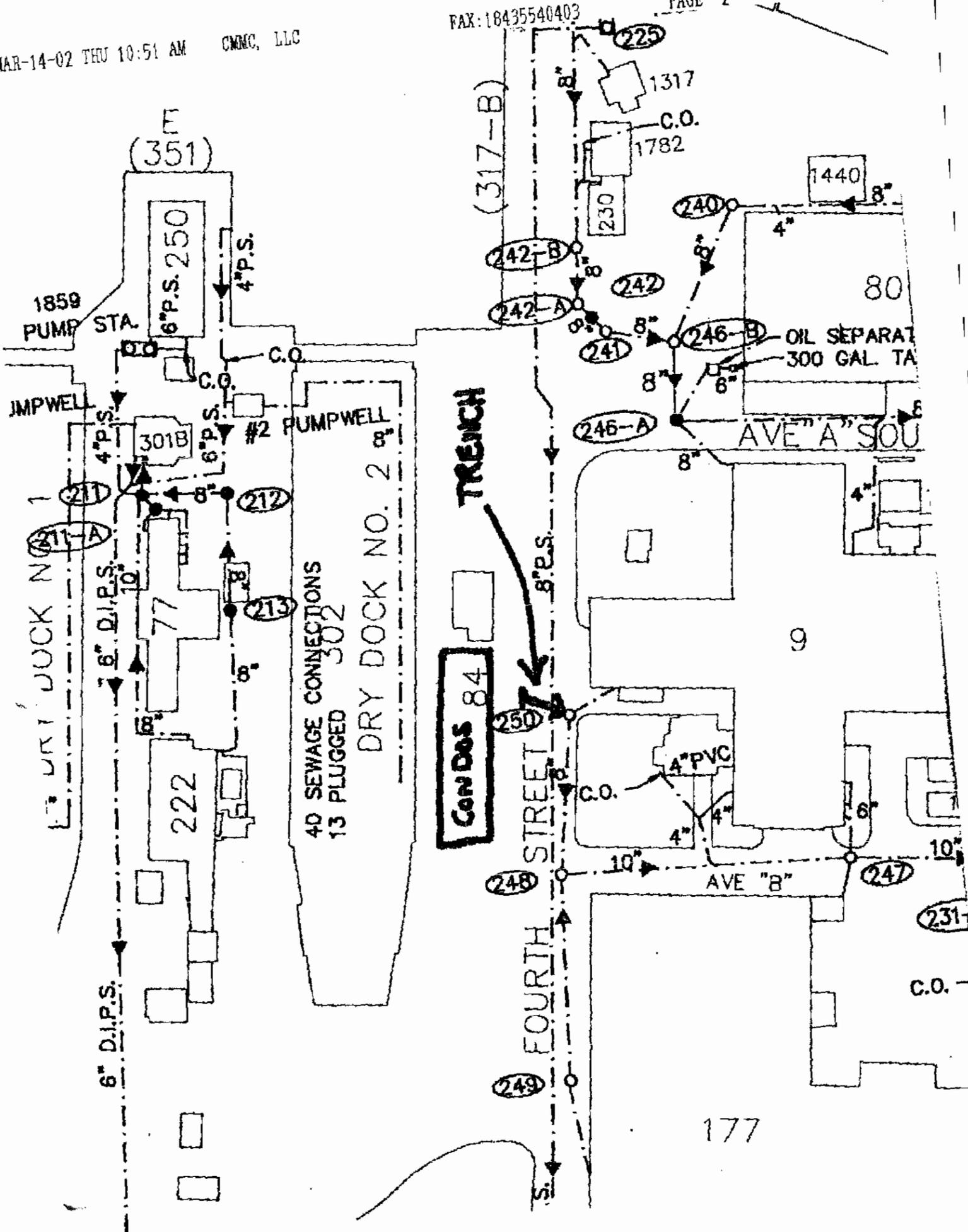
We are forwarding a request from CMMC to dig a 20LF long trench to install a 2" PVC sewer line between Building 84 and MH 250 on Fourth Street near Drydock #2. We have attached a digging permit request and sketch for your consideration.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,

Sean P. McDonnell, P. E.  
Operations Director

/enclosures



**FAX**

**DATE:** March 14, 2002

**PAGES:** 2

**TO:** Sean (RDA)

**FAX:** 747-0054

---

**FROM:** Rick Brown

**CMMC, LLC**  
1670 Drydock Ave.  
N. Charleston, SC 29405

**FAX NUMBER:** (843) 554-0403

**OFFICE PHONE:** (843) 554-5009  
**HOME PHONE:** (843) 863-9099  
**CELL PHONE:** (843) 991-8674

---

**Message:**

Sean,

We need a digging permit for a trench as shown on the included drawing. The trench is approximately 20 feet long, 1 foot wide, and 1 foot deep. It is for the installation of a sewer line from the condos of drydock #2 to the sewer manhole as shown. We have talked to Bill already and understand the status of the sewer system. If you have any questions, please give me a call.

Thanks,

**Rick Brown**

### CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, sign and date.

Location: <u>USBP TRAINING FACILITY</u> <u>1999 DYESS AVE BLDG 644</u>	Contractor: <u>K-CON-INC</u>	Date of Request: <u>02-28-02</u>
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Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____	Communications <input type="checkbox"/>
Overhead Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Auger <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Other: _____ <input type="checkbox"/>

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

1. DITCHING FOR ELECTRIC POWER FEED FROM PWR CENTER IN BLDG. 644 TO NEW PANEL FOR NEW SHOWER/LOCKER ROOM LOCATED ON EXISTING SHOWER FACILITY EXT WALL 12" W X 24" D X 32' LONG

2. 18 - 36" HOLES FOR TIE DOWN ANCHORS FOR NEW STRUCTURES @ REAR PARKING

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: <u>03-15-02</u>	Termination Date of Permit: <u>05-15-02</u>
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Signature of Requesting Official: <u>Clare Perry KCON PROJ SUPT</u>	Date: <u>02/28/02</u>	Phone Number: <u>270-8717</u>
--	--------------------------	----------------------------------

Points of Contact: CPW : Robert Sagasser (work) 528-0653 (page) 570-0390  SCE&G: R.W. Smith (work) 745-6381  RDA: Gene Knisley Sewer POC: (work) 747-0010	1. Who is the current Land Owner/ Lessee? <u>USBP</u> 2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 5. Has DHEC been notified? <input type="checkbox"/> Yes <input type="checkbox"/> No 6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No 7. What constituents will soil be tested for? _____ 8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No 9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No 10. Area where soil is to be stockpiled? <u>(See Attached Map)</u> 11. What is the serial # of forwarding letter to ROA? _____
---	--

Permit Approved?  Yes  No

CSO Authorizing Signature: <u>Amy Daniels 3/7/02</u>	Date out: <u>08 March 2002</u>
CH2MHILL/J.A. Jones Signature: _____	
BEC Signature: <u>M.A. Hart (No Comments) 3/7/02</u>	Serial Number: <u>063</u>
CSO Officer Signature: <u>T.F. Fresilli 3/8/2002</u>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 063  
Request Date = 6 March 2002  
Comments Date = 11 March 2002  
Location = Bldg. 644

### Environmental Review Comments

This project proposes the following: (a) to install an electrical power feed and anchors.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being transported to the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

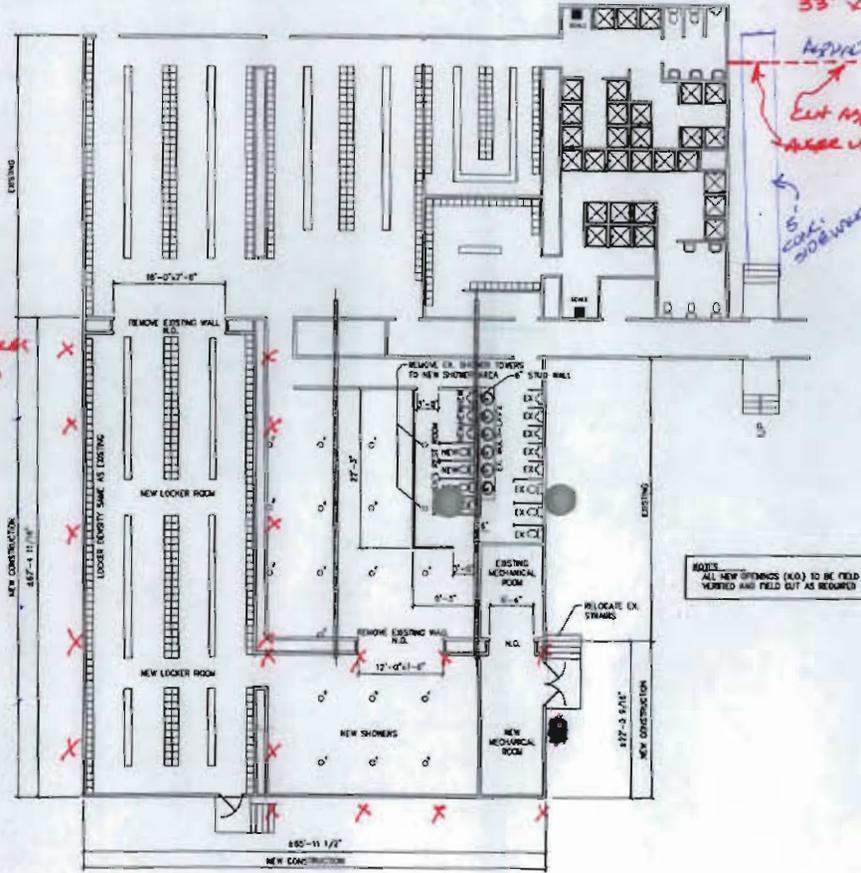
ESSE DRAWINGS AND DESIGNS THEREON ARE THE PROPERTY OF K-CON, INC. AND MAY NOT BE USED IN WHOLE OR IN PART WITH OUT THE WRITTEN CONSENT OF K-CON, INC. AND ANY INFRINGEMENT WILL BE SUBJECT TO LEGAL ACTION

DYESS AVE.

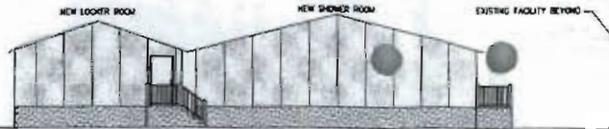
ELECTRICAL FEED FROM MECH ROOM  
 BLDG 644 TO PMR PARK PARK EAST SIDE OF LOCKER ROOM  
 33' x 12" W x 24" D.

1999  
 DYESS AVE  
 USBP.  
 TRAINING CTR

ANGERED HOLES  
 FOR TIE-DOWN  
 ANCHORS



FLOOR PLAN  
 SCALE 1/8" = 1'-0"



ELEVATION  
 SCALE 1/8" = 1'-0"

DRAWINGS ARE SCALEABLE ONLY WHEN PRINTED  
 ON 24"x36" PAPER.

<p><b>K-KON</b>          BUILDING          SYSTEMS</p> <p>1001 S. ESTER, SUITE 200A          FAYETTEVILLE, NC 28403          PHONE: 800-331-5228 FAX: 843-742-2448          WWW.KCONING.COM</p>		<p>TITLE          US BORDER PATROL          SHOWER &amp; LOCKER ROOM ADDITIONS          PLAN &amp; ELEVATION</p>	<p>DATE          1/10/08</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> <tr> <td>1</td> <td>01/10/08</td> <td>ISSUE FOR PERMITS</td> </tr> </table>	NO.	DATE	DESCRIPTION	1	01/10/08	ISSUE FOR PERMITS
NO.	DATE	DESCRIPTION								
1	01/10/08	ISSUE FOR PERMITS								

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> Bldg. 2536, Naval Station Annex	<b>Contractor:</b> City of North Charleston	<b>Date:</b> 2/27/02
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**Has the proposed work been staked out?**  Yes  No

**Facility/ Work involved (Please check below)**

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____ <input type="checkbox"/>	
Overhead Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input type="checkbox"/>
	Ditcher <input checked="" type="checkbox"/>	Auger <input type="checkbox"/>

Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
**Please see attached City of North Charleston letter and sketch dated February 25, 2002 to install a 175 kw generator to the facility (2536).**

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> ASAP	<b>Termination Date of Permit:</b> 6/1/02
<b>Signature of Requesting Official:</b> <i>[Signature]</i>	<b>Date:</b> 2/27/02 <b>Phone Number:</b> 843-747-0010

## Caretaker Site Office Review

<p><b>Points of Contact:</b>  <b>CPW :</b> Robert Sagasser                  (work) 529-0653                  (page) 570-0390</p> <p><b>SCE&amp;G:</b> R.W. Smith                  (work) 745-6381</p> <p><b>RDA:</b> Gene Knisley                  Sewer POC:                  (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>City of N. Charleston</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( _____ )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( _____ )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>01</u></li> </ol> <p style="text-align: right;"><b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
--	---

<b>CSO Authorizing Signature:</b> <u><i>[Signature]</i></u>	<b>Date out:</b> <u>3/19/02</u>
<b>CH2MHILL/J.A. Jones Signature:</b> <u><i>[Signature]</i> 3/11/02</u>	
<b>BEC Signature:</b> <u><i>[Signature]</i> 3/16/02</u>	<b>Serial Number:</b> <u>062</u>
<b>CSO Officer Signature:</b> <u><i>[Signature]</i> 3/19/02</u>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 062  
Request Date = 27 February 2002  
Comments Date = 14 March 2002  
Location = Bldg. 2536 at Naval Annex

### Environmental Review Comments

This project proposes the following: (a) to install an emergency generator.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified for disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 100010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090  
Ser CSO/017  
19 March 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: REQUEST TO INSTALL EMERGENCY GENERATOR NEXT TO  
BUILDING 2536, NAVAL STATION ANNEX**

Your letter of 27 February 2002 forwarded a request from the City of North Charleston to install an emergency generator to service Bldg. 2536 at the Naval Station Annex for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO prior to transporting soil to the soil management area. If you have any questions or comments, please Rick Nielson or myself at 743-9985.

Sincerely,

A handwritten signature in cursive script that reads "Amy Daniell".

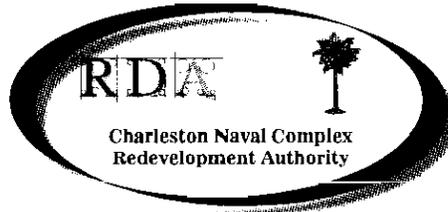
Amy Daniell  
Caretaker Site Officer  
By the direction of the Commander

James C. Bryan  
*Chairman*

Lonnie Hamilton, III  
*Vice Chairman*

Ronnie M. Giveus  
*Secretary/Treasurer*

James M. Deaton  
*Assistant Secretary/Treasurer*



Susan K. Dunn

James S. Minor, Jr.

Eugene R. Ott

Jack C. Sprott  
*Executive Director*

February 27, 2002

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

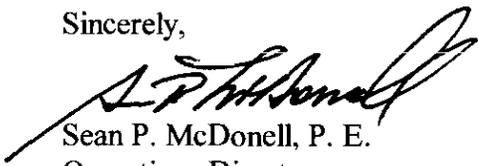
**Subject: REQUEST TO INSTALL EMERGENCY GENERATOR NEXT TO  
BUILDING 2536, NAVAL STATION ANNEX**

Dear Tom:

We are forwarding a request from the City of North Charleston to install an emergency generator to service Building 2536 at the Naval Station Annex. As you will note in the attached sketch, they plan to place it next to the facility on the D Avenue side. They will need to dig a 5 FT long trench between the generator and the building for the electrical connection. Therefore, we have attached a digging permit request for the installation. The generator is a 175 kw unit with an automatic transfer switch. The City Building department is aware of the installation as is SCE & G.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,



Sean P. McDonell, P. E.  
Operations Director

/enclosures



Michael L. Hendrick  
Director

Michael D. Dalrymple, P.E.  
Assistant Director

## City of North Charleston

SOUTH CAROLINA  
DEPARTMENT OF PUBLIC WORKS

ADMINISTRATION  
CITY GARAGE  
ENGINEERING  
MAINTENANCE  
SANITATION

February 25, 2002

Attn: Sean McDonnell, P.E.  
Charleston Naval Complex Redevelopment Authority  
1360 Truxtun Ave; Suite 300  
Charleston, SC 29405-2005

Re: Install Emergency Power Generator, 2536 Fourth Street, North Charleston, SC

Dear Mr. <sup>SEA</sup> McDonnell

We plan to install an emergency power generator as part of the process to convert a portion of the former MOMAG building at 2536 Fourth Street into the City hall Annex Court Complex. The generator was not included in our original request to make alterations to the facility.

The generator to be installed is a 175kw unit with an automatic transfer switch that will power the entire facility. The contractor performing the installation plans to place the generator at the side of the building and tie into the system in the electrical room. The contractor has discussed the connection with SCE & G and with City Building officials to ensure the installation meets code and City requirements. The attached sketch shows the planned location of the generator.

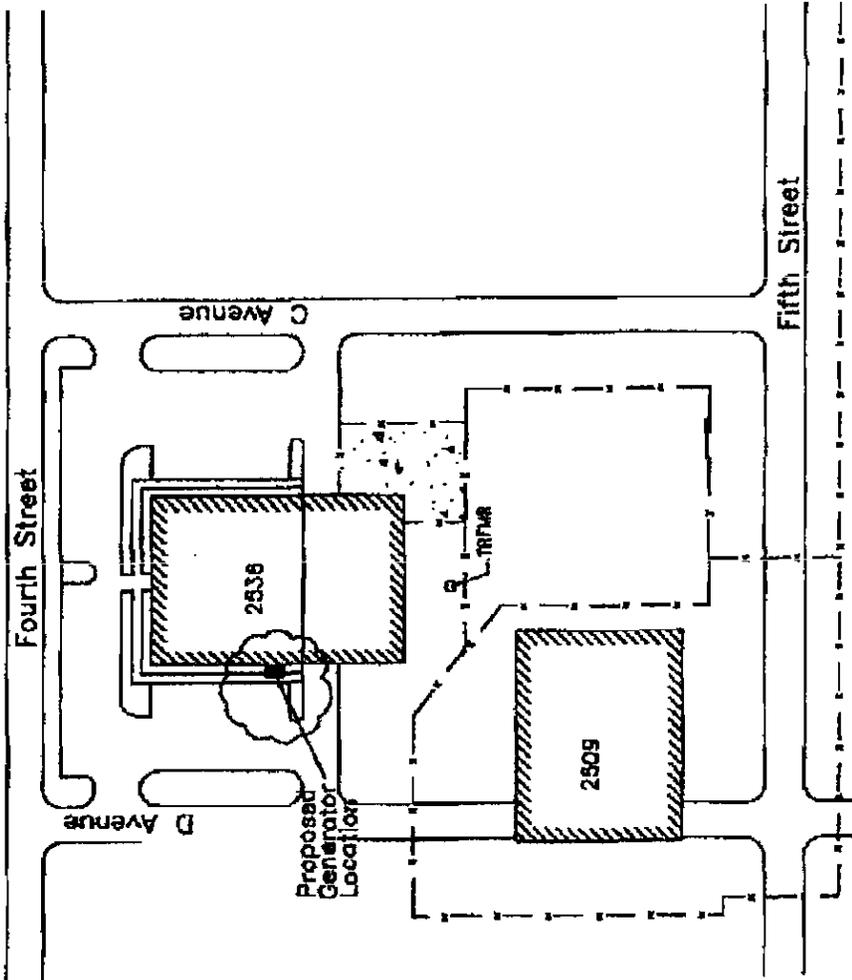
Request your approval of this project and appreciate your assistance in this matter.

Sincerely,



Paul Donado  
Staff Engineer

encl: Sketch



**CITY OF NORTH CHARLESTON  
PUBLIC WORKS  
PO BOX 190016  
N. CHAS, SC 29419**

**CITY HALL ANNEX  
EMERGENCY POWER  
SITE PLAN**

DWG: pd  
DATE: 02/25/02  
SCALE: NTS

PAGE:  
**1**



**FACSIMILE TRANSMITTAL COVER SHEET**

*City of North Charleston*

To: **Sean McDonnell**  
Company: **CNCRDA**  
1360 Truxtun Ave; Suite 300  
Charleston, SC 29405-2005  
Phone: 747-0010  
Fax: **747-0054**

From: **Paul Donado**  
Company: **City of North Charleston Public Works**  
1021 Aragon Street  
North Charleston, SC 29405  
Phone: 745-1026  
Fax: 745-1099

Date: 02/25/02

Pages including this cover page: 3

---

**Re: Install Emergency Power Generator, 2536 Fourth Street**

**Comments:** The attached letter and enclosures outline the planned project to install an emergency power generator at the City Hall Annex (former MOMAG building). The current schedules completes intallation by April 1, 2002, although installation may be moved up if the generator arrives earlier than scheduled. Hard copy is in the mail.

Please mail your response to:

Paul Donado  
North Charleston Public Works  
1021 Aragon Street  
North Charleston, SC 29405

Thanks,  
Paul

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: **NS #2 & NS #3** Contractor: **Charleston Boatworks, Inc.** Date: **2/27/02**

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____ <input type="checkbox"/>	
Overhead Lines : _____	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

Other: \_\_\_\_\_

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

Please see attached Charleston Boatworks letter and sketch dated February 7, 2002.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required:

**ASAP**

Signature of Requesting Official: \_\_\_\_\_

Termination Date of Permit:

**3/1/03**

Date:

**2/27/02**

Phone Number:

**843-747-0010**

## Caretaker Site Office Review

Points of Contact:

CPW : Robert Sagasser  
(work) 529-0653  
(page) 570-0390

SCE&G: R.W. Smith  
(work) 745-6381

RDA: Gene Knisley  
Sewer POC:  
(work) 747-0010

1. Who is the current Land Owner/ Leasee? Charleston Boatworks
2. Is the Area inside the CIA?  Yes  No
3. Are any SWMU(s) impacted? If yes, list.  Yes  No ( )
4. Are any AOC(s) impacted? If yes, list.  Yes  No (675, 676, 677)
5. Has DHEC been notified?  Yes  No
6. Will soil need to be temporarily stockpiled?  Yes  No
7. What constituents will soil be tested for? \_\_\_\_\_
8. Soil Test results above residential background?  Yes  No
9. Soil Test results above industrial background?  Yes  No
10. Area where soil is to be stockpiled? (See Attached Map)
11. What is the serial # of forwarding letter to RDA? \_\_\_\_\_

Permit Approved?

Yes  No

CSO Authorizing Signature: \_\_\_\_\_

Date out: 4 April 02

CH2MHILL/J.A. Jones Signature: \_\_\_\_\_

BEC Signature: \*\* M.A. Hunt 4/2/02

Serial Number: 001

CSO Officer Signature: Jimmy Daniell

\* see attached letter  
\* \* see attached letter

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 061  
Request Date = 27 February 2002  
Comments Date = 14 March 2002  
Location = Bldgs. NS-2 & NS-3

### Environmental Review Comments

This project proposes the following: (a) to demolish steam lines and remove trees.

The Navy has identified that in this area a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site, the CSO should be notified prior to disposal for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

4 April 2002

Sean McDonnell  
CNCRA

Subject: Charleston Naval Complex Excavation Permit #061

Dear Sean,

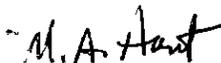
Thank you for clarifying the sequence of work and the scope of the subject permit request in our phone conversation this morning. I understand that this excavation permit is for the demolition work and re-grading at the site only. Subsequent to this request will be an additional request that details the plans for renovation or new construction and any surface water drainage improvements. I would also suggest that the developer provide information with respect to the operation of the existing oil water separator that they intend to use as mentioned in their letter.

Given the background information discussed above I provide the following comments;

- 1.) The Finding of Suitability to Lease is being prepared for this site but has not yet been signed. Although the Navy does not anticipate any significant issues to arise that would prevent leasing the subject property, the CNCRA is proceeding with development of the property at their own risk.
- 2.) The Caretaker Site Office must be made aware of the results of any asbestos or lead based paint surveys and copies of any abatement permits provided for CSO files.
- 3.) The Navy has not yet reached closure on this site therefore the cost for abandonment, extension or relocation of the existing monitoring wells is the responsibility of the entity making the site alterations. This work must receive SCDHEC and Navy approval prior to proceeding.

I will be available to discuss any questions you may have concerning these comments. I can be reached at (843) 820-5525.

Respectfully,



M.A.Hunt, P.E.  
BRAC Environmental Coordinator  
SOUTHNAVFACENGCOM

## CH2M-JONES, LLC

---

March 13, 2002

To: Charleston Caretaker Site Office (CSO)  
From: CH2M-JONES, LLC

Subject: DIG PERMIT FOR BOAT YARD (NS-2 & 3) ALTERATIONS, DIG PERMIT  
NUMBER 061

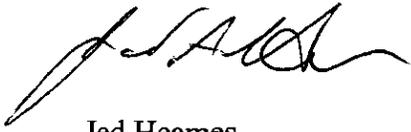
CH2M-JONES, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 061, and identified concerns that should be addressed by the Navy prior to approval.

The property surrounding NS-2 and NS-3 is within or adjacent to the footprints of Areas of Concern (AOCs) 675, 676, and 677. These AOCs are currently being transferred from the Resource Conservation Recovery Act (RCRA) Subtitle C Program to the RCRA Subtitle I (Underground Storage Tank) Program. See attached South Carolina Department of Health and Environmental Control (SCDHEC) letter dated February 5, 2002. The site has a history of petroleum operations and documented spills. To date, sampling events have not identified petroleum contamination in soil or groundwater; however, be advised that we expect a response from SCDHEC within the month and will be able to provide additional input at that time. Until the site has received a No Further Action (NFA) from SCDHEC, the groundwater monitoring wells (stickup type) shall be maintained.

A site visit on 3/11/02 revealed there has recently been construction work performed at the site. Several inches to one foot of Run of Crusher (ROC) fill has been laid down around NS-2 and NS-3. The fill was also placed around existing groundwater monitoring wells. This condition is not in accordance with SCDHEC groundwater monitoring well construction guidance, nor will it allow the current stickup wells to be properly turned into flush mounted wells as requested by Charleston Boat Works. Until an NFA is received from SCDHEC, where it is anticipated that permission will be granted for abandonment of the wells, they should be returned to their original condition. If this causes hardship to the tenant, the tenant may choose to properly abandon the wells with the Navy's permission and in accordance with SCDHEC guidance, replace them with flush mounted wells, and develop them at the tenant's (Charleston Boat Works) cost and with CH2M-JONES, LLC oversight.

Additionally, there is a subsurface oil-water separator on site. CH2M-JONES, LLC, the Navy, and SCDHEC are currently addressing oil-water separators on Charleston Naval Complex and construction around and/or above the oil-water separator should not be allowed at this time.

Respectfully,  
CH2M-JONES, LLC

A handwritten signature in black ink, appearing to read 'Jed Heames', written in a cursive style.

Jed Heames  
Site Superintendent



2600 Bull Street  
Columbia, SC 29201-1708

February 5, 2002

Ms. Amy Daniell  
Caretaker Site Office  
Charleston Naval Complex  
CSO 1895 Avenue F  
North Charleston, SC 29405

RE: Request for Transfer from RCRA Subtitle C to RCRA Subtitle I (UST Program)  
Areas of Concern (AOCs) 662, 675, 676, 677, 709(F)  
Charleston Naval Complex (CNC)  
SC0 170 022 560

Dear Ms. Daniell:

The South Carolina Department of Health and Environmental Control (the Department) has reviewed the above referenced request with respect to applicable State and Federal Regulations, the CNC Hazardous Waste Permit, correspondence from Hartley to Rose dated August 28, 1997 (AOC 662), correspondence from Peterson to Shepard dated May 7, 1999 (AOCs 675, 676, 677), and correspondence from Spariosu to Hunt dated December 7, 2001 (AOC 709[F]). It should be noted that the Permit shall be modified pursuant to R.61-79.270.41 to change the status of these units. Specific information regarding these AOCs is as follows:

AOC 662: Former gasoline station. Two unregistered steel USTs may remain on site.

AOCs 675, 676, 677: AOC 675 is a 25,000-gallon UST (Building NS-4) installed in 1952. The UST supplied fuel oil to a former electrical boiler (AOC 676 – Building NS-2) that operated from 1958 to 1992. The UST is covered by a concrete bunker, and has a steel top and vent pipe. There is documented history of fuel oil spills at this site, ranging from 3 to 500 gallons. AOC 677 is the area surrounding Building NS-2. A seaplane refueling operation was reportedly located in this area.

AOC 709(F): Former fuel distribution system. Based on a review by EPA Region 4, this AOC was recommended for a No Further Action (NFA) under the RCRA Subtitle C corrective action program, with additional actions for both subsurface soil and groundwater to occur under the RCRA Subtitle I UST program. The RFI Report Addendum asserts that elevated arsenic levels are the result of arsenic-reducing bacteria fueled by hydrocarbons present in the subsurface soils.

Ms. Amy Daniell  
February 5, 2002  
Page 2 of 2

Thank you for your cooperation in this matter. If you have any questions or concerns, please contact me at (803) 896-4185.

Sincerely,



David Scaturro, PE, PG  
Manager, Corrective Action Engineering Section  
Division of Waste Management  
Bureau of Land and Waste Management

Attachment: Letter from Harrell to Litton dated January 22, 2002

Attachment: Letter Peterson to Shepard dated May 7, 1999

Attachment: Letter from Hartley to Rose dated August 28, 1997

cc: Michael Bishop, SCDHEC Bureau of Water  
Tony Hunt, PE, SOUTHDIV  
Rob Harrell, PE, SOUTHDIV  
Dean Williamson, PE, CH2M-Jones  
Gary Foster, PE, CH2M-Jones  
Dann Spariosu, PhD, EPA Region 4  
Rick Richter, Trident EQC District



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-0010

5090  
Ser CSO/020  
4 April 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: CHARLESTON BOATWORKS ALTERATION REQUEST**

Your letter of 27 February forwarded a request to make several alterations to the property, for our consideration and approval. The work will be taking place at or near contaminated areas. In these areas, the Navy has identified a release of hazardous substances has occurred, but corrective actions have not been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO.

The digging permit is approved. Please see the attached comments for information on the contaminated areas. Any soil excavated during this project shall be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions. The alteration request is approved contingent on the following conditions being met. An asbestos survey will need to be performed, according to DHEC regulations, in the areas of the building that will be altered. A certified asbestos inspector must perform the asbestos survey. The CSO shall be provided a copy of the asbestos inspection before the work takes place.

If you have any questions concerning the comments attached to the digging permit, please contact Tony Hunt at 743-2062 or myself at 743-9985.

Sincerely,

A handwritten signature in black ink that reads "Amy Daniell". The signature is written in a cursive, flowing style.

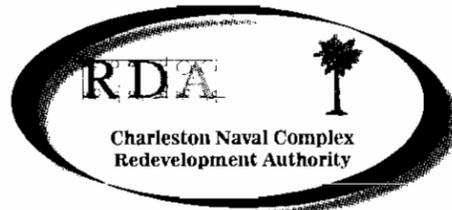
Amy Daniell  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

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**James M. Deaton**  
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**James S. Minor, Jr.**

**Eugene R. Ott**

**Jack C. Sprott**  
*Executive Director*

February 27, 2002

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: CHARLESTON BOATWORKS ALTERATIONS REQUEST**

Dear Tom:

We are forwarding a lengthy request from Charleston Boatworks, Inc. to make several alterations to the property that we have recently licensed to them in anticipation of a lease. As their request includes items that could be approved now and others that require additional information, we will break it into these two categories:

**Possibly Ready for Approval (Digging and Demolition)**

They wish to re-grade the Boat Yard (lot bounded by Hobson Avenue, Pirate Street and Sarsi Street). This includes steam line demolition and the removal of some small trees. They would also like to cap or level the ground water test wells. We have included a digging permit request as an attachment. They will have the steam lines tested prior to installation. At this time, we request that the Navy approve their re-grading and demolition plans and provide direction concerning the test wells.

In Buildings NS #2 and NS #3, the tenant would like to remove two defunct boilers and a number of defunct electrical panels. They would also like to remove the empty concrete bases that once supported some fuel pumps. They have identified an environmental firm to perform the required asbestos and lead paint sampling prior to demolition.

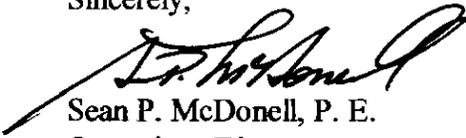
**Need Additional Information (Building Renovation, Lift Well Installation and New Utilities)**

The tenant requests permission to perform other work, but needs to provide more information prior to consideration for approval. They wish to place power/water/air stations in the boat yard lot, re-engineer and use an environmental pit to contain runoff, renovate the interiors of Buildings

NS #2 and NS#3 and install a lift well along the quay wall between Piers "S" and "T". Prior to final approval, we need to see additional information (plans, permits, etc.), but we request that the Navy provide their comments and possibly issue a conceptual approval and require the submittal of detailed information prior to final approval.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,

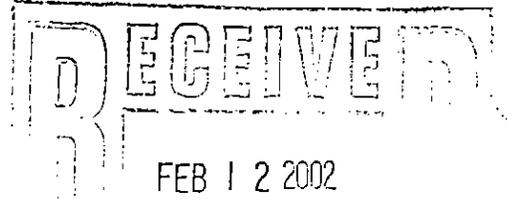
A handwritten signature in black ink, appearing to read "Sean P. McDonell". The signature is fluid and cursive, with a large, sweeping initial "S".

Sean P. McDonell, P. E.  
Operations Director

/enclosures

# CHARLESTON BOATWORKS, INC

February 7, 2002



Sean McDonell, P.E.  
Engineering Director  
Redevelopment Authority  
1360 Truxtun Ave., Suite 300  
North Charleston, SC 29405

Dear Mr. McDonell:

Charleston Marine Group is currently operating on land under a license agreement on property of the former Charleston Navy Base. This property, formerly known as "Delta Marine", is currently being used by three entities operating under the name of Charleston Marine Group. Charleston Boatworks, one of the three entities, will primarily operate on the property bordered by Pirate Street, South Hobson Avenue, Thompson Avenue, and Sanis Street. Charleston Boatworks currently has nine employees and has been operating for eighteen months on property leased from Charleston Marine Manufacturing Corporation ("CMMC"). We have seen a steady growth in business and believe that with a proper marine facility we would substantially increase our business and in turn increase our staff four or five fold.

The former "Delta Marine" is ideally suited for our purposes but needs tremendous improvements before Charleston Boatworks can operate to its full potential. Facility upgrades are necessary both on the RDA property and on the adjoining CMMC quay wall. We currently have a lease of up to thirty-years on the CMMC quay wall that runs between piers Quebec and Tango. There are three distinct phases of improvements that need to be completed: 1) The grading of the boat yard itself (described as the "Field" on the attached map); 2) The renovation of buildings NS #2 and NS #3; 3) The installation of a lift well facility on the waterfront.

## THE BOAT YARD

The flat ground that is bordered by South Hobson Avenue, Pirate Street, and Sanis Street will be the primary facility for storing and repairing boats. The ground is currently covered with gravel but has been left in disrepair and needs to be graded. The steam pipes and their bases need to be removed, as well as a few small trees. We have contracted with Albrecht Environmental to do asbestos testing on the steam pipes and proper care will be taken with their removal and disposal. The trees that need to be removed are noted on the attached diagram. The large oak tree and the large palm trees along South Hobson Avenue will not be removed.

In addition to grading, the yard will need to be fitted with power/water/air stations. The hoses for these stations will be lead underground. Charleston Boatworks would also like to cap or level the ground water test wells that have been indicated on the attached diagram. Albrecht Environmental will oversee this process.

The property currently has an environmental pit as shown on the diagram. The pit was used to protect from fuel spills when tanker trucks were brought into the area to load the since removed underground fuel tanks. We would like to use part of this area for a yacht bottom washing and finishing area. The pit would be used to keep run-off contained and enable us to be pro-active in protecting the environment. Wright, Padgett, Christopher and Albrecht Environmental will be responsible for re-engineering the pit and ensuring compliance with all government standards.

## THE BUILDING RENOVATIONS

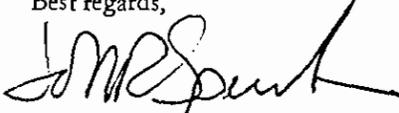
The buildings known as NS#2 and NS#3 need to be renovated. NS#2 will become our main office building and indoor repair facility. NS#3 will become additional office space and a conference room. The waterside portion of NS#2 has office space in place but is in great disrepair. We will need to clean and upgrade this space. The backside of the building is split into two sides. One side currently houses two defunct boilers. We would like to remove those boilers. The other side of the building houses a large number of defunct electrical panels occupying the middle of the workspace. We would like to remove those panels. We have contracted with Albrect Environmental to do all necessary asbestos and lead based paint testing, and will use their services to assist us in removing and disposing of the defunct materials. NS#3 is virtually empty now but once held two large fuel pumps. We would like to remove the concrete bases for those pumps, put in a sub-floor, and renovate the space.

## THE LIFT WELL

The development plan calls for the construction of two forty-five foot by five-foot piers that will run perpendicular to the quay wall and out into the Cooper River. This pier system will serve as a lift well facility for hauling yachts out of the water. The lift well will have the capability of lifting seventy tons. Final plans for the lift well have not been completed but preliminary drawings are enclosed. The proposed facility would have concrete rails extending into the road on Thompson Avenue, and possibly require that piles be driven into the road. If that is the case, the road surface will be replaced and will be passable to motor traffic. We would like to request that the RDA, in the future, consider denying public access to the Thompson Avenue road section that runs through the Charleston Boatworks facility. The road ends just beyond the facility and serves no purpose for traffic flow on the base. This closing of Thompson Avenue would also allow Charleston Boatworks to fence our facility in order to enhance our security and more importantly, to enhance public safety.

Please let us know what steps are necessary in order for renovations to begin, as time is of the essence.  
Thank you for your time.

Best regards,



John Spence  
President  
Charleston Boatworks, Inc.

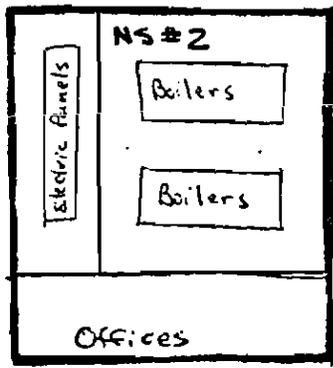
South Hobson Ave.

Field

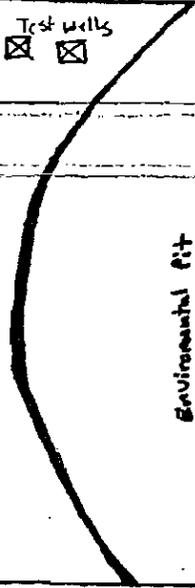
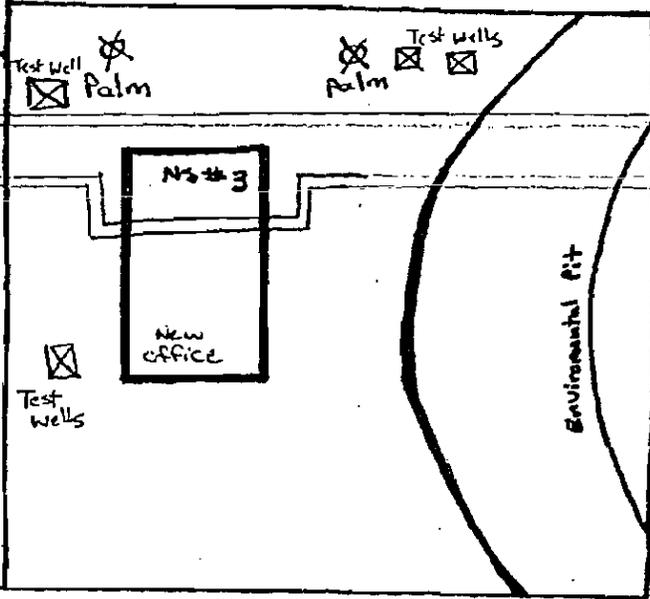
⊗ palm

⊗ scrub oak

Pirate St.



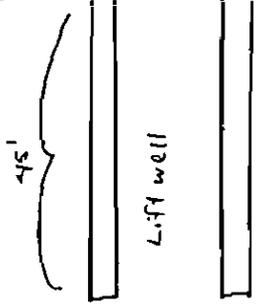
Pipe lines ↓



AOC 675  
676  
677

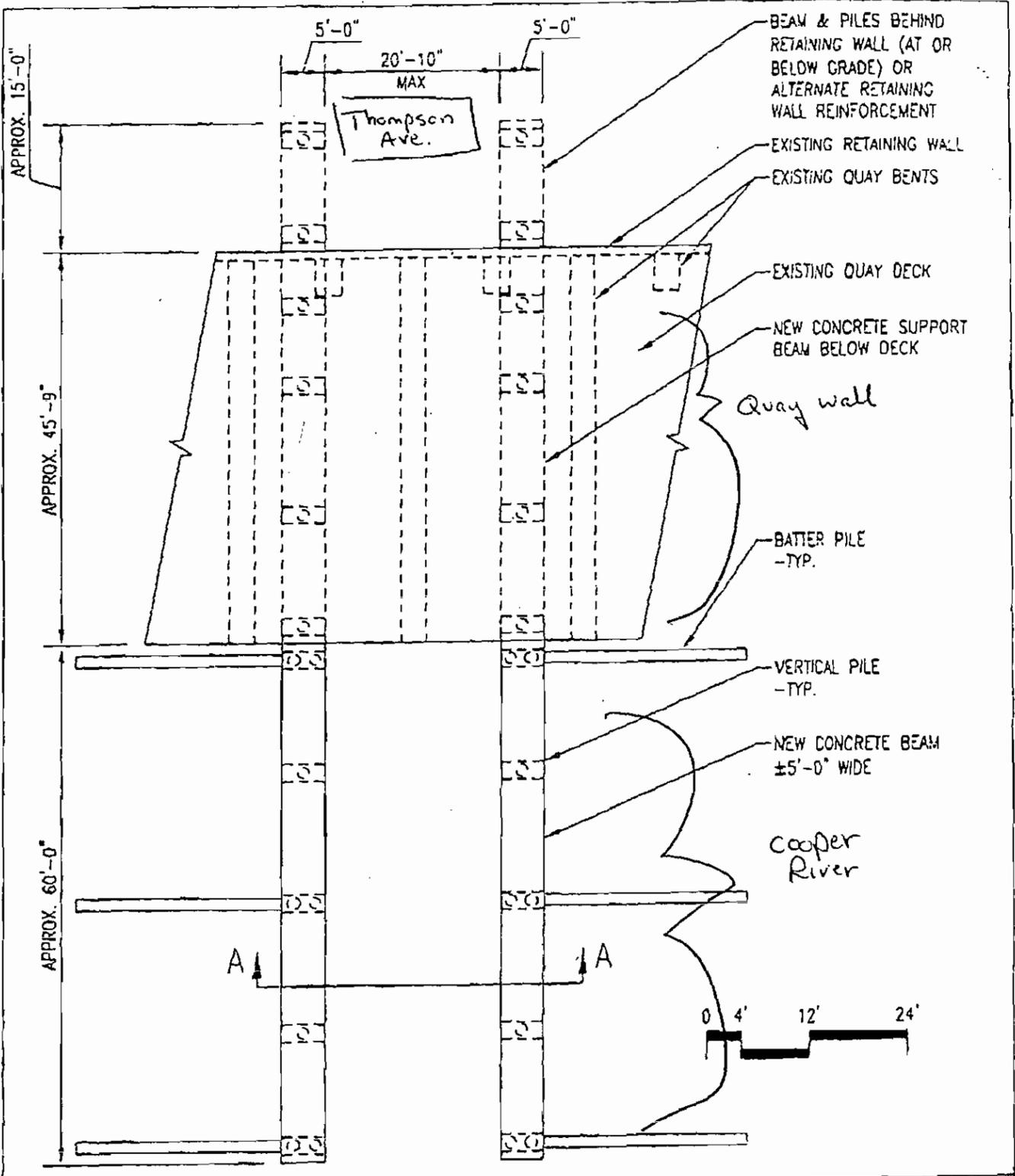
Thompson Ave.

Quay Wall (concrete)



Cooper River

Pier Tango



BEAM & PILES BEHIND  
RETAINING WALL (AT OR  
BELOW GRADE) OR  
ALTERNATE RETAINING  
WALL REINFORCEMENT

EXISTING RETAINING WALL  
EXISTING QUAY BENTS

EXISTING QUAY DECK

NEW CONCRETE SUPPORT  
BEAM BELOW DECK

Quay wall

BATTER PILE  
-TYP.

VERTICAL PILE  
-TYP.

NEW CONCRETE BEAM  
±5'-0" WIDE

Cooper  
River



PROJ. NO.: 2001-316  
DATE: 1/3/2002  
DESIGNED: RED  
CHECKED: REO  
DRAWN: MWC  
SCALE: GRAPHIC

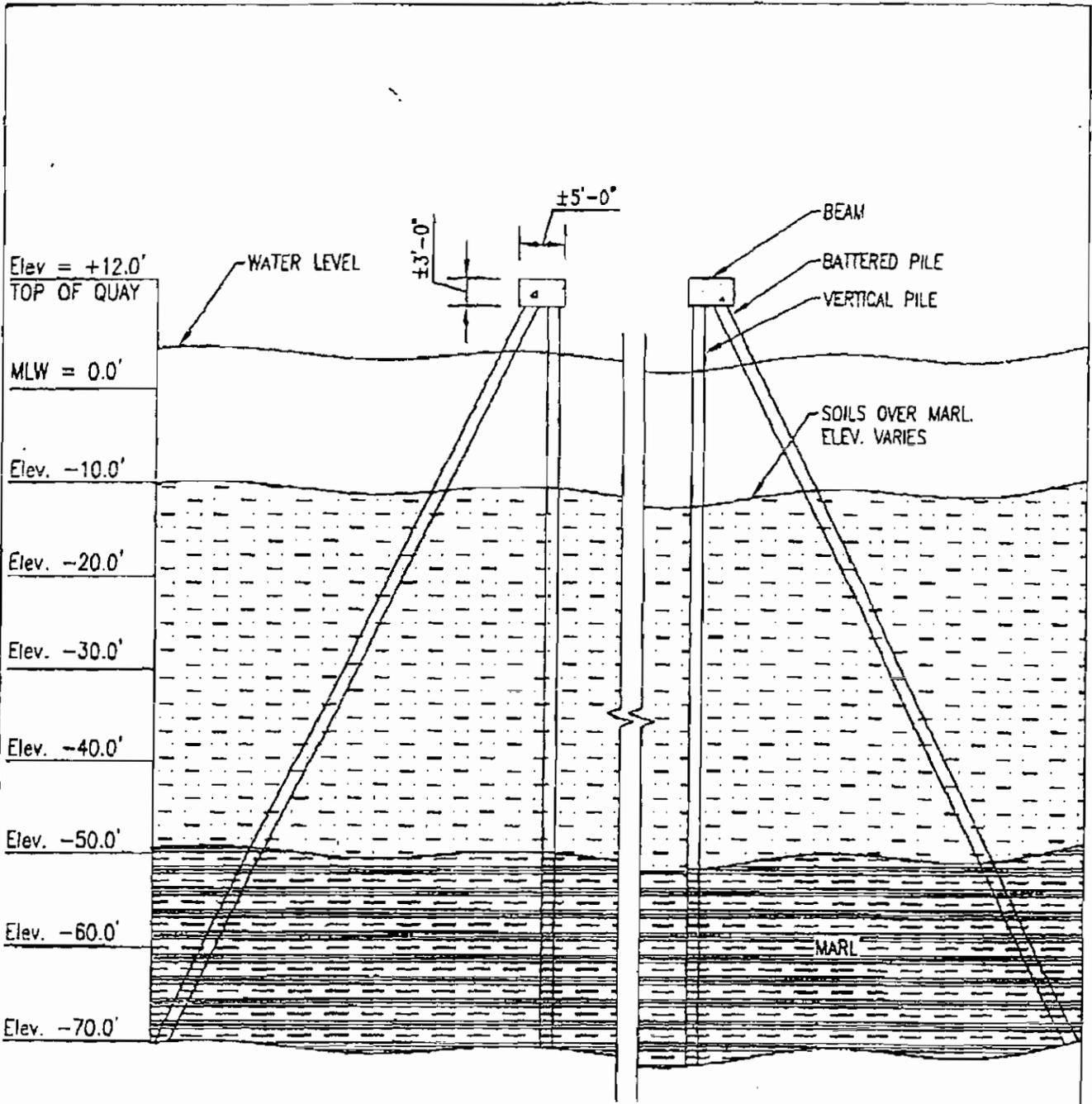


WRIGHTPADGETTCHRISTOPHER  
Engineering & Construction Services  
1817 Chiswick Quarry Drive, Annapolis, South Carolina 29404  
tel 412.222.1234 fax 412.222.0234 www.wpcnc.com

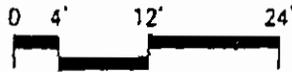
TRAVEL LIFT

DWG. NO. SK1

PLAN



SECTION A-A



PROJ NO.: 2001-316  
 DATE: 1/3/2002  
 DESIGNED: RED  
 CHECKED: RED  
 DRAWN: MWC  
 SCALE: GRAPHIC



WRIGHT PADGETT CHRISTOPHER  
 Engineering & Construction Services  
 1011 Church Dr., Suite 100, Greenville, South Carolina 29615  
 Tel: 863.864.1274 Fax: 863.544.9231 www.wpcinc.com

TRAVEL LIFT

DWG. NO. SK2

SECTION

## Daniell, Amy (Efdsouth)

---

**From:** Daniell, Amy (Efdsouth)  
**Sent:** Thursday, April 04, 2002 3:04 PM  
**To:** 'scaturdm@dhec.state.sc.us'  
**Cc:** Hunt, Tony (Efdsouth)  
**Subject:** Charleston Boatworks excavation request

This e-mail's purpose is to provide you with notification that Charleston Boatworks will be disturbing soil on the property surrounding Bldg. NS-2, and NS-3. We have notified the RDA and Charleston Boatworks that they will be disturbing soil in areas of concern (AOC 675, 676, and 677). They have been provided with information on the types of contaminants they may encounter and to take necessary precautions to minimize dermal exposure to their workers. They are also to stop work immediately if there is suspect soil or an unusual odor. Please contact our office if you have any questions.

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: Bldg. NA-62 Contractor: A PHOENIX Date: 2/7/02

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	
Overhead Lines <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand Ditcher <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
		Auger <input type="checkbox"/>

Other: Sign

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

to Place a sign in the earth 12-14in:  
No dirt removal or disturbance of the soil

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: 2-8-02 Termination Date of Permit: May 15, 2002

Signature of Requesting Official: BARRY SCOTT Date: 2-8-02 Phone Number: 554-1068

## Caretaker Site Office Review

<p><b>Points of Contact:</b>                  CPW : Robert Sagasser                  (work) 529-0653                  (page) 570-0390</p> <p>SCE&amp;G: R.W. Smith                  (work) 745-6381</p> <p>RDA: Gene Knisley                  Sewer POC:                  (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>RDA</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? (See Attached Map)</li> <li>11. What is the serial # of forwarding letter to RDA? _____</li> </ol>
---	---

Permit Approved?  Yes  No

CSO Authorizing Signature: Amy Daniell 2/13/02 Date out: 14 FEBR. 2002

CH2MHILL/J.A. Jones Signature: [Signature]

BEC Signature: No Comments - M.A. Hunt 2/14/02 Serial Number: 060

CSO Officer Signature: Thomas F. Fresilli 2/14/02

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 060  
Request Date = 8 February 2002  
Comments Date = 13 February 2002  
Location = McMillan & Viaduct Gates

### Environmental Review Comments

This project proposes the following: (a) to install signs.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being transported to the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 180010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-0010

5090  
Ser CSO/013  
13 February 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: REQUEST TO PLACE SIGNS AT MCMILLAN/VIADUCT GATE**

Your letter of 8 February 2002 forwarded a request from A Phoenix to place signs at McMillan and Viaduct Gates our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO prior to transporting soil to the soil management area. If you have any questions or comments, please contact Amy Daniell at 743-9985.

Sincerely,

A handwritten signature in cursive script that reads "Tom Fressilli".

Tom Fressilli  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

February 8, 2002

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: REQUEST TO PLACE SIGNS AT MCMILLAN/VIADUCT GATE**

Dear Tom:

We are forwarding a digging permit request for A Phoenix to place signs at the McMillan and Viaduct Gates as well as one in front of Building NH-62. A Phoenix is a subtenant that is opening a restaurant in Building NH-62. We are giving them permission to place temporary signs at the gates (until May 15, 2002) to advertise their restaurant to naval complex tenants and permission to erect a sign in front of their facility. The McMillan sign will be placed at the SW corner of the intersection and the Viaduct sign will be placed to the right of the incoming traffic lane near the gate.

Please review this request and provide us with your comments. Thanks for your assistance.

Sincerely,

Sean P. McDonell, P. E.  
Operations Director

/enclosure

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion. Sign and date.

Location: <u>1969 Dyess Avenue</u> <u>BLDG 446 Charleston Naval Complex</u> <u>North Charleston 29412</u>	Contractor: <u>Huff Contracting Inc</u>	Date of Request: <u>1-31-02</u>
---	---	---------------------------------

Is the proposed work being staked out?  Yes  No

Facility/ Work Involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input checked="" type="checkbox"/>	Other: <u>Street Sewer</u> <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
Method of Excavation:	Hand Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>
		<input type="checkbox"/> Other: _____

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

Extend existy Stormsewers 5 locations  
 add 6 Drop Inlets. Install 4" and 6"  
 water main. Depth approximately 2 feet.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: <u>1-31-02</u>	Termination Date of Permit: <u>3-10-02</u>
--------------------------------------	--

Signature of Requesting Official: <u>Stephen M. Dehman</u>	Date: <u>1-31-02</u>	Phone Number: <u>843 200 7539</u>
--	----------------------	-----------------------------------

<b>Points of Contact:</b> CPW : Robert Sagasser (work) 529-0653 (page) 570-0390  SCE&G: R.W. Smith (work) 745-6381  RDA: Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>State Department</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>NA</u></li> </ol>
Permit Approved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

CSO Authorizing Signature: Amy Daniell 1/31/02 Date out: 1/31/2002

CH2MHILL/J.A. Jones Signature: [Signature]

BEC Signature: (No Comments) M.A. Hunt 1/31/02 Serial Number: 059

CSO Officer Signature: Thomas F. Fauselli 1/31/02

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 059  
Request Date = 31 January 2002  
Comments Date = 31 January 2002  
Location = Vicinity of Bldgs. 644 & 646

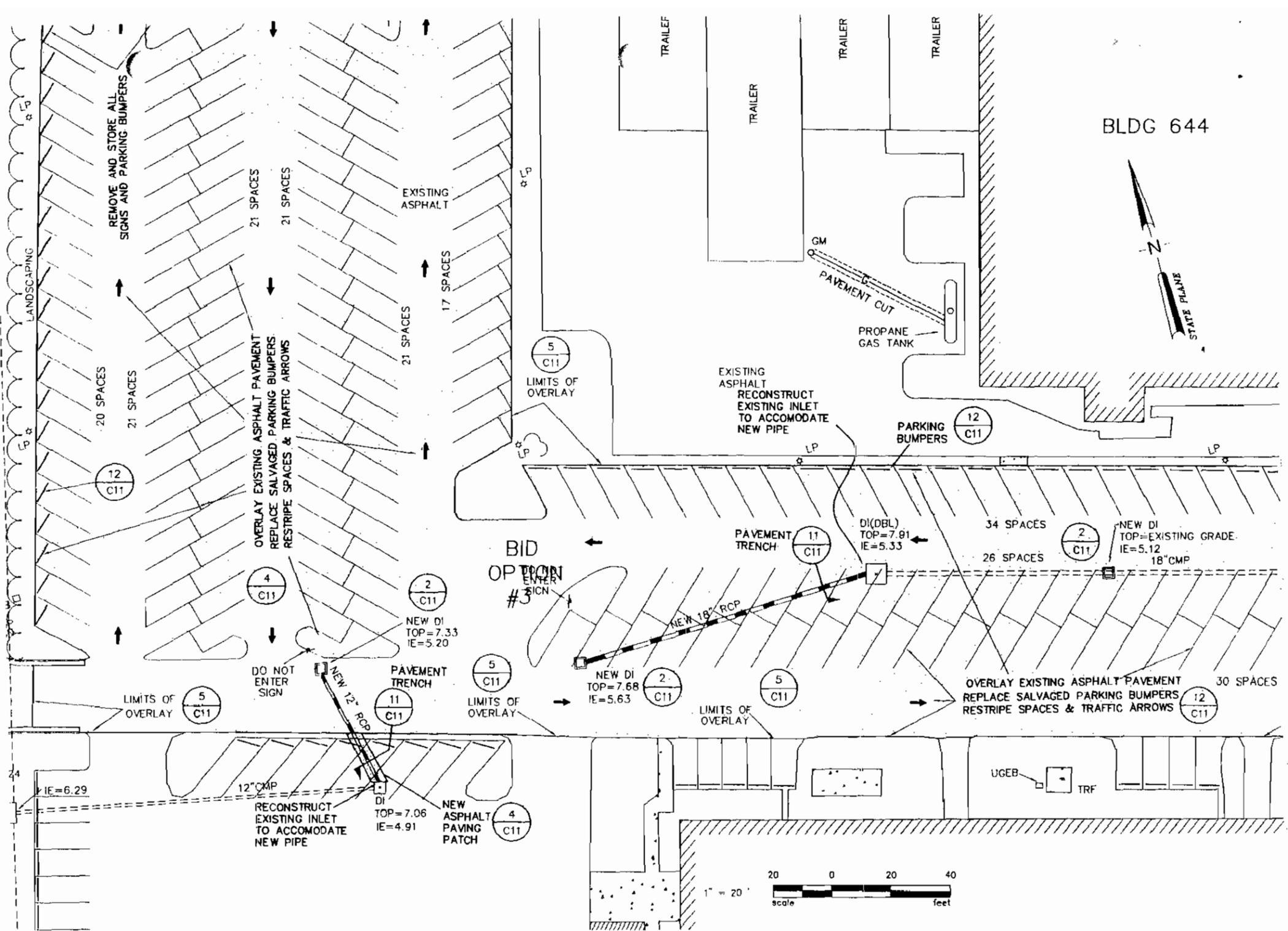
### Environmental Review Comments

This project proposes the following: (a) to extend existing stormsewers.

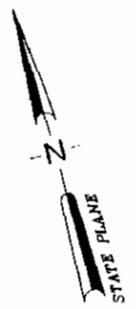
The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

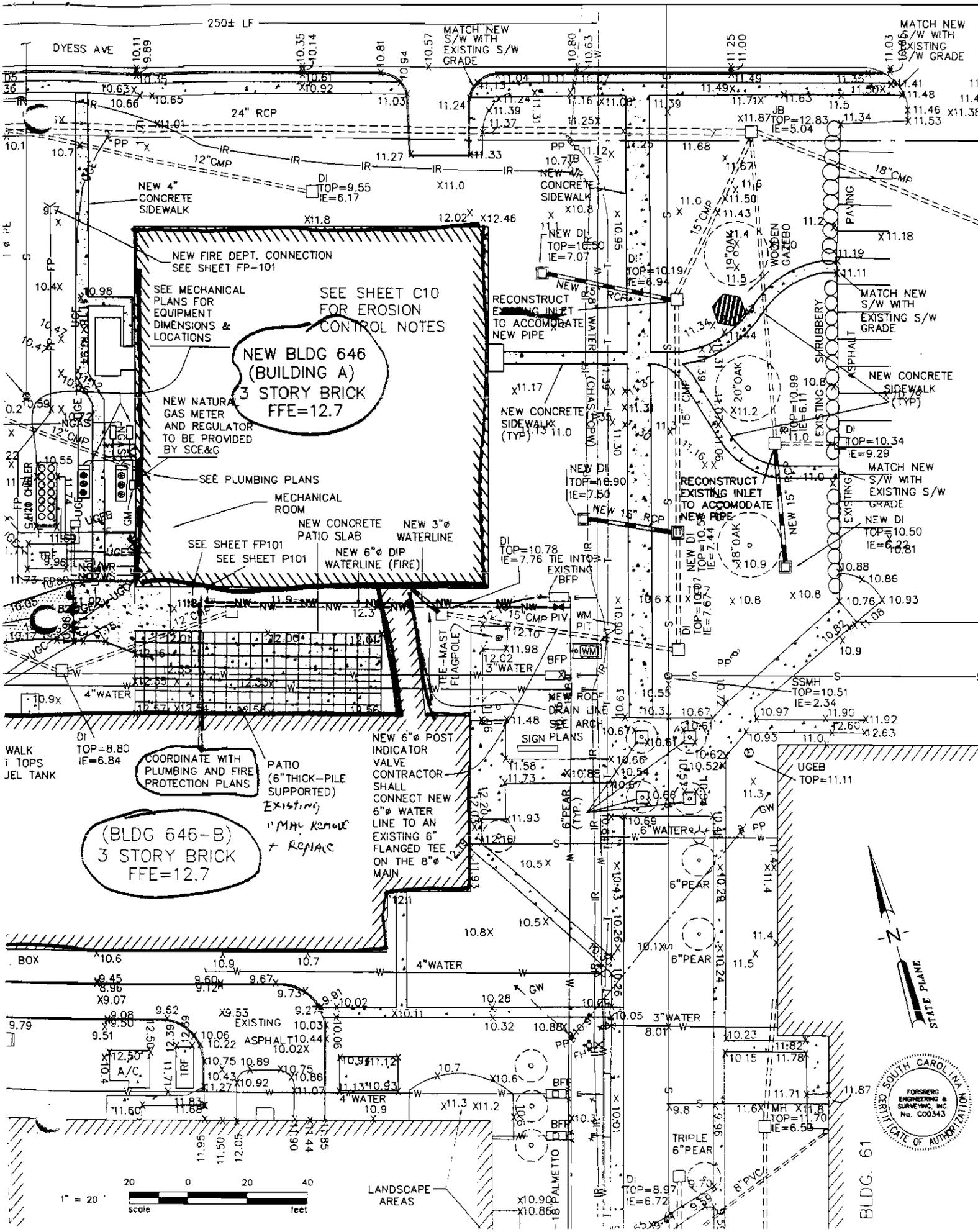
If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being transported to the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



BLDG 644



IF SHEET IS LESS THAN (22 x 34) IT IS A REDUCED PRINT, SCALE REDUCED ACCORDINGLY.



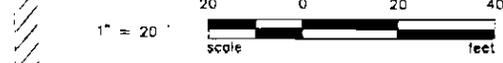
**NEW BLDG 646  
(BUILDING A)  
3 STORY BRICK  
FFE=12.7**

**(BLDG 646-B)  
3 STORY BRICK  
FFE=12.7**

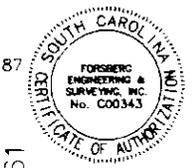
WALK  
T TOPS  
JEL TANK

COORDINATE WITH  
PLUMBING AND FIRE  
PROTECTION PLANS

PATIO  
(6" THICK - PILE  
SUPPORTED)  
Existing  
1" MH. Remove  
& Replace



LANDSCAPE  
AREAS



BLDG. 61

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion. Sign and date.

Location: BUILDING M-192 Contractor: CITY OF NORTH CHARLESTON Date of Request: 1/28/02

Is the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input type="checkbox"/>
	Ditcher <input checked="" type="checkbox"/>	Auger <input type="checkbox"/>
		<input type="checkbox"/> Other: _____

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

INSTALL SANITARY SEWER CONNECTION FROM M-192 TO MANHOLE NEAR M-1257 (300' +/-) AND 3/4" POTABLE WATER CONNECTION TO WATER LINE. WHERE DIRECTED BY CPW.

SEE ATTACHED SITE PLAN

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: AS SOON AS PRACTICAL Termination Date of Permit: MARCH 18, 2002

Signature of Requesting Official: PAUL DOWD Date: 1/28/02 Phone Number: 745-1026

## Caretaker Site Office Review

<b>Points of Contact:</b> CPW : Robert Sagasser (work) 529-0653 (page) 570-0390  SCE&G: R.W. Smith (work) 745-6381  RDA: Gene Kniesley Sewer POC: (work) 747-0010	1. Who is the current Land Owner/ Leasee? <u>City of N. Charleston</u>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	2. Is the Area inside the CIA?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	3. Are any SWMU(s) impacted? If yes, list.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No (_____)
	4. Are any AOC(s) impacted? If yes, list.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No (_____)
	5. Has DHEC been notified?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	6. Will soil need to be temporarily stockpiled?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	7. What constituents will soil be tested for?		
	8. Soil Test results above residential background?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	9. Soil Test results above industrial background?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
	10. Area where soil is to be stockpiled?	<u>(See Attached Map)</u>	
	11. What is the serial # of forwarding letter to RDA?	_____	

Permit Approved?  Yes  No

CSO Authorizing Signature: Amy Daniell 2/12/02 Date out: 14 FEBR. 2002

CH2MHILL/J.A. Jones Signature: J.A. Jones

SEC Signature: No Comment - M.A. Hunt 2/14/02 Serial Number: 058

CSO Officer Signature: Thomas F. Frezzilli 2/14/02

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 058  
Request Date = 30 January 2002  
Comments Date = 12 February 2002  
Location = Bldg. M-192

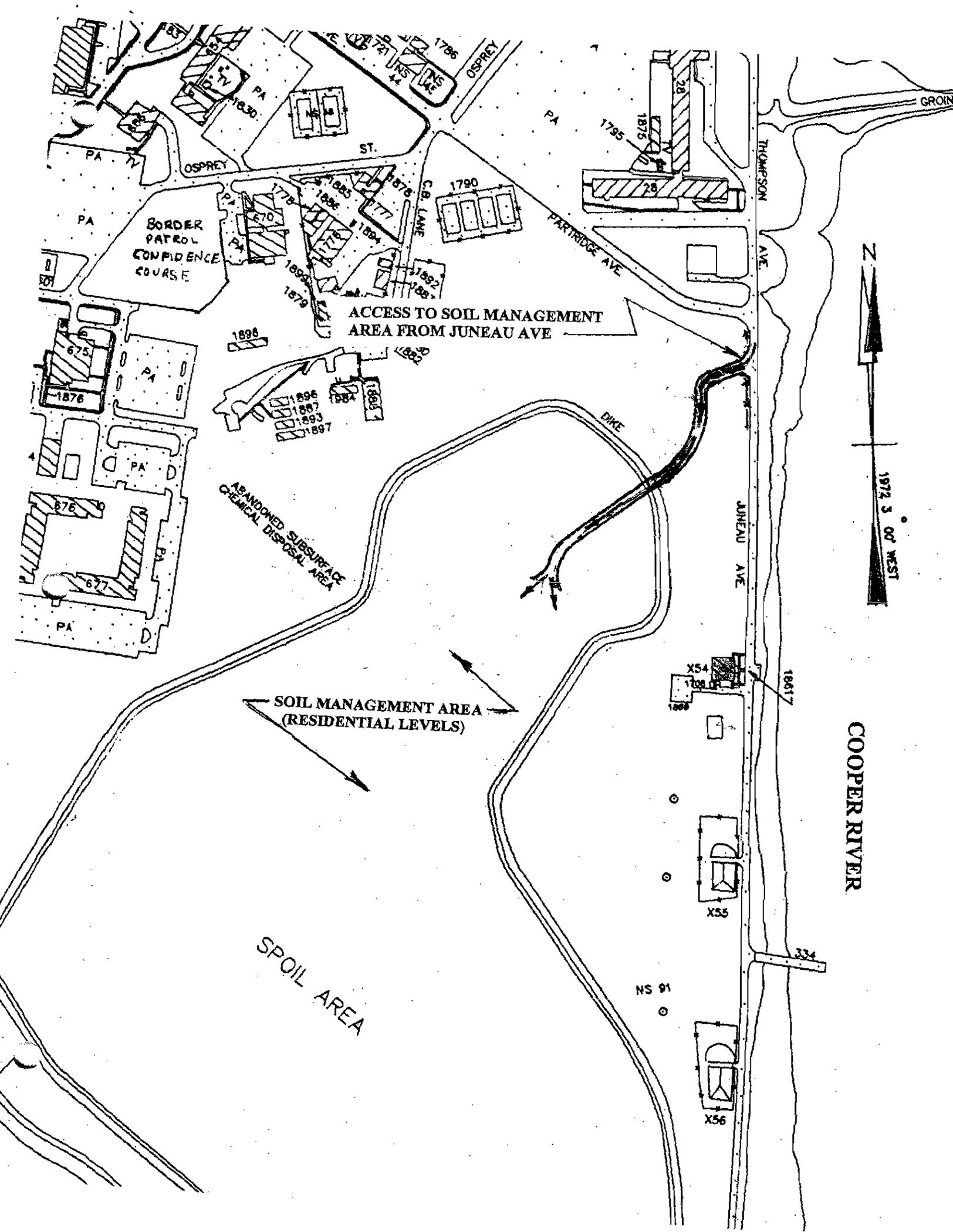
### Environmental Review Comments

This project proposes the following: (a) to install restrooms.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being transported to the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



BORDER PATROL CONFIDENCE COURSE

ACCESS TO SOIL MANAGEMENT AREA FROM JUNEAU AVE

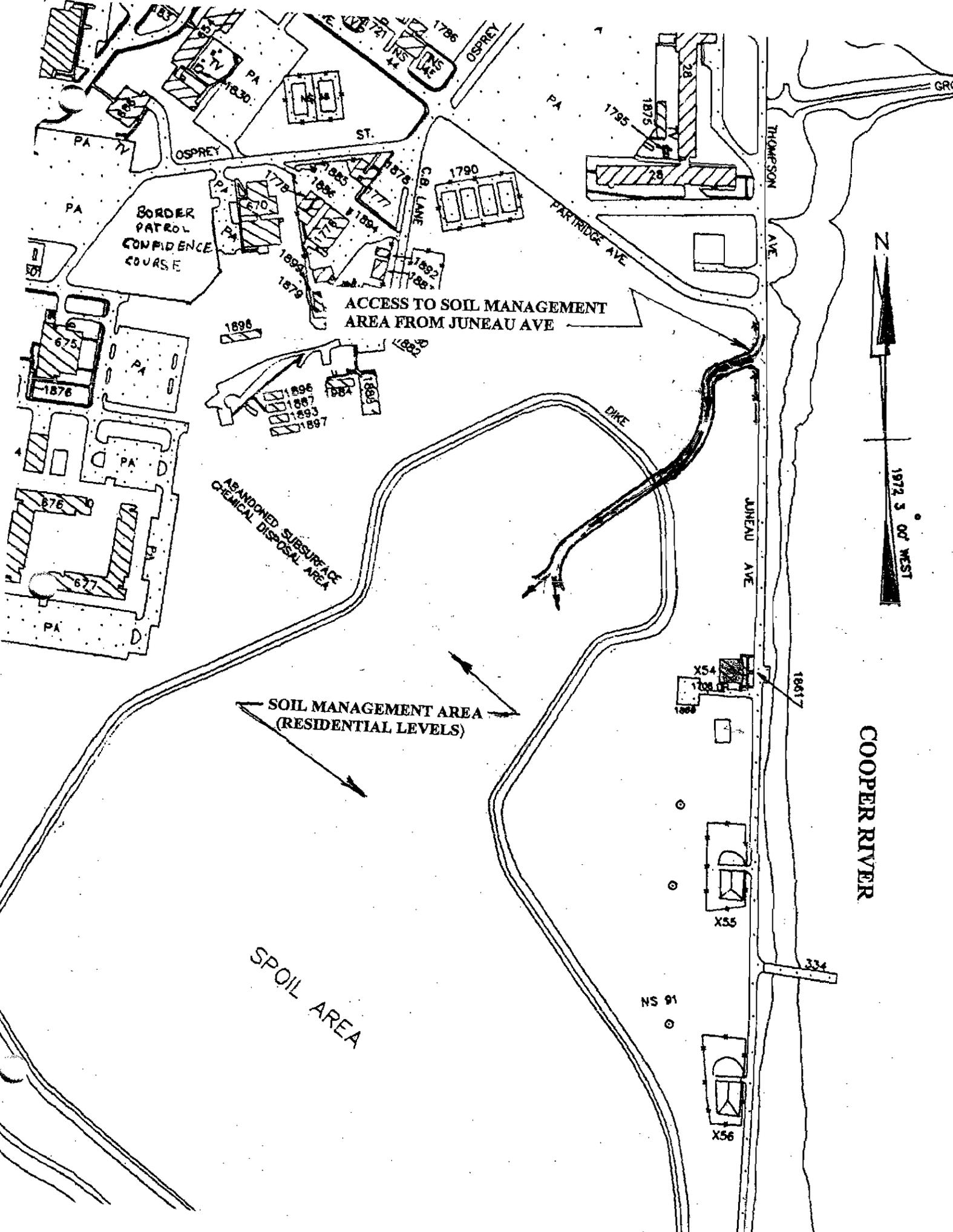
ABANDONED SUBSURFACE CHEMICAL DISPOSAL AREA

SOIL MANAGEMENT AREA (RESIDENTIAL LEVELS)

SPOIL AREA

DIKE

COOPER RIVER





**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-0010

5090  
Ser CSO/012  
12 February 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: CITY OF NORTH CHARLESTON REQUEST TO INSTALL  
RESTROOMS IN BLDG. M-192**

Your letter of 30 January 2002 forwarded a request from the City of North Charleston to install restrooms in Bldg. M-192 for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO prior to transporting soil to the soil management area.

Because this project involves altering the building, a certified asbestos inspection must be performed in the areas of the building that will be altered according to DHEC regulations. The CSO will be provided a copy of the asbestos inspection before work takes place. The CSO also requests a City of North Charleston Building Permit be obtained, if required.

If you have any questions or comments, please contact Amy Daniell at 743-9985.

Sincerely,

A handwritten signature in black ink that reads "Tom Fressilli". The signature is written in a cursive style with a large, sweeping initial "T".

Tom Fressilli  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
Chairman

**Lonnie Hamilton, III**  
Vice Chairman

**Ronnie M. Givens**  
Secretary/Treasurer

**James M. Deaton**  
Assistant Secretary/Treasurer



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
Executive Director

January 30, 2002

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

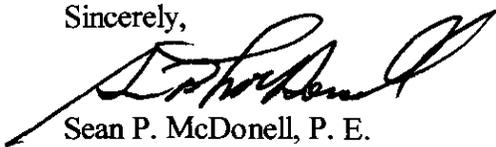
**Subject: CITY OF NORTH CHARLESTON REQUEST TO INSTALL  
RESTROOMS IN BUILDING M-192**

Dear Tom:

We are forwarding a request from the City of North Charleston to install restrooms in Building M-192. The City is required to vacate Building M-82 due to mold problems and is relocating to Building M-192. *They are under an OSHA mandate to have restrooms in the facility very soon, and have asked for our help in expediting this review and approval.* Please see the attached sketches to see the interior work. The interior work will be done by a contractor using plans, specifications and the City's bidding process. The exterior utility work will be accomplished by City public works forces. The sewer line excavation will be from the facility to a manhole near Building M-1257 (approximately 300 LF). We have attached a digging permit request to this letter. CPW will be installing water service in this vicinity as well.

Please provide us with your comments and contact me with any questions you have regarding this information.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures



City of North Charleston

## FACSIMILE TRANSMITTAL COVER SHEET

---

To: **Sean McDonnell**  
Company: **CNCRDA**  
1360 Truxtun Ave; Suite 300  
Charleston, SC 29405-2005  
Phone: 747-0010  
Fax: **747-0054**

From: **Paul Donado**  
Company: **City of North Charleston Public Works**  
1021 Aragon Street  
North Charleston, SC 29405  
Phone: 745-1026  
Fax: 745-1099

Date: 01/29/02  
Pages including this cover page: 6

---

### Re: Construct Rest Rooms, M-192

**Comments:** The attached letter and enclosures outline the planned project to construct rest rooms and install utilities at Building M-192. This is the project we spoke of the other day. We are fast tracking to beat OSHA deadlines so anything you can do to help us speed the process will be appreciated. Hard copy is in the mail.

Please mail your response to:

Paul Donado  
North Charleston Public Works  
1021 Aragon Street  
North Charleston, SC 29405

Thanks,  
Paul



Michael L. Hendrick  
Director

Michael D. Dalrymple, P.E.  
Assistant Director

*City of North Charleston*  
SOUTH CAROLINA  
DEPARTMENT OF PUBLIC WORKS

ADMINISTRATION  
CITY GARAGE  
ENGINEERING  
MAINTENANCE  
SANITATION

January 29, 2002

Attn: Sean McDonnell, P.E.  
Charleston Naval Complex Redevelopment Authority  
1360 Truxtun Ave; Suite 300  
Charleston, SC 29405-2005

Re: Construct Restrooms, Bldg M-192, 2341 Goldberg Avenue, North Charleston, SC

Dear Mr. McDonnell *Sean*

Please reference our recent conversation concerning our need to construct rest rooms in Building M-192. The project consists of construction two individual rest rooms in the existing building. Not included in the construction contract is connection to sewer and potable water. Our forces will accomplish that work. Attached are sketches that depict the scope of work for the rest room project, a site plan showing the area that the sewer and water connections and an Excavation Permit for the potable water and sewer connection work. We have discussed the sewer connection with the North Charleston District. Their information concerning a connecting point is the same as ours. The closest point is 300 LF +/- from the building. Water is closer. We will work out particulars with CPW in that regard.

We are trying to "fast track" this project so we can meet OSHA-mandated milestones and request your assistance in expediting our request for approval of this work. We have made a concurrent submission of the project to our Building Department and anticipate their approval in the near future.

If approved, and once the work is accomplished, we will forward record drawings for your files.

Appreciate your assistance in this matter.

Sincerely,

*Paul Donado*  
Paul Donado  
Staff Engineer

encl: Sketches  
Site Plan  
Excavation Permit



**GENERAL NOTES**

1. New partitions shall be constructed of metal stud framing with a minimum thickness of 20 gauge. All partitions shall be covered with 1/2" thick, Type 'X', moisture resistant gypsum board, finished smooth for painting. Additionally, walls in the Tub Room shall be covered with 1/4" thick 'Marite' paneling in a color and pattern selected by the Owner. The center wall between rest rooms shall be framed with (nominal) 2" x 6" studs to allow adequate space for plumbing. The remaining walls shall be constructed of (nominal) 2" x 4" studs. Wall height to be a minimum of 8'-0". Sill sealer or a thin neoprene sheat separator shall be installed under the sole plate and at each facade where the framing abuts a CMU wall surface. The edge of gypsum sheets that abut a CMU wall shall be closed with a metal 'J' channel.

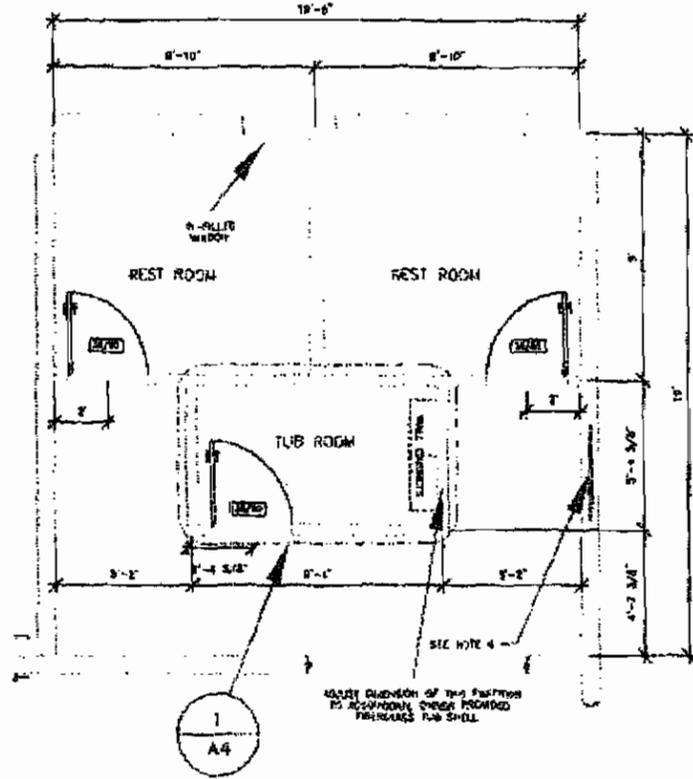
2. Doors shall be 6-panel composite material doors with a paintable surface, typically used in residential applications (and similar to those in other areas of the building). Doors shall be installed in a wooden frame. Pre-hung frames with residential grade hinges are acceptable. Quality residential grade locksets with a bright brass finish may be used. Locksets shall be passage type with a push-button lock actuator on one side. Locksets must be equipped with lever handles. The complete hardware set will include a wall-mounted stop for each door.

3. All loose cast blocking shall be removed from the existing CMU walls. The block at the in-filled window opening shall receive two coats of black primer prior to applying the finish coats of paint. All wall surfaces shall be painted with two coats of latex-finish, latex based epoxy paint. Doors and trim shall be painted with semi-gloss, latex-based paint. Color for both is white.

4. Install two standard manufactured wall cabinets. Cabinets to be constructed of composite material with wooden doors; all surfaces paintable. Paint all surfaces of cabinets with two coats of semi-gloss white paint.

5. Floor covering shall be 12" x 12" x 1/8" Brick Vinyl Composition Tile (VCT), color selected by Owner from Contractor provided samples. Baseboards to be constructed of 1" x 4" wood, finished with two coats of semi-gloss latex paint in a color similar to the VCT.

6. Install H/AC unit salvaged from other window at this location, if possible, reuse security grid from other window. If not, modify grid at this window to support H/AC unit installation.



**FLOOR PLAN**  
Scale: 1/4" = 1'-0"

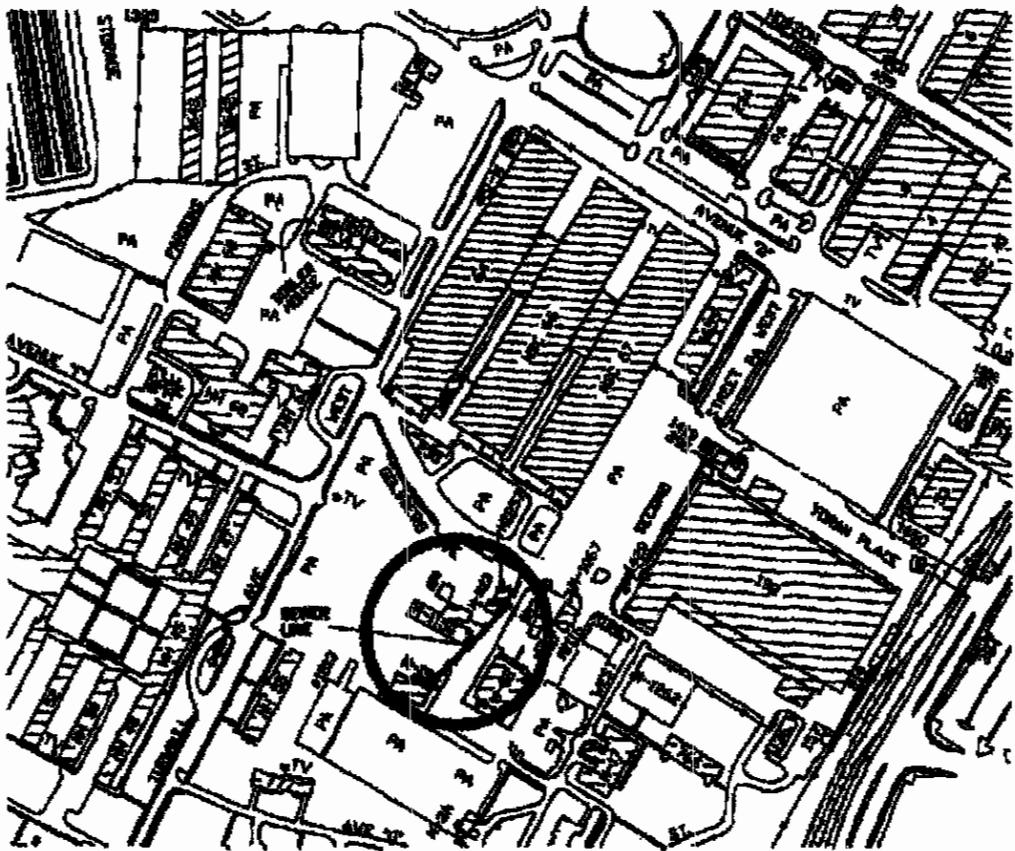


CITY OF NORTH CHARLESTON  
PUBLIC WORKS  
P.O. BOX 190018  
NORTH CHARLESTON  
SC 29419-8018

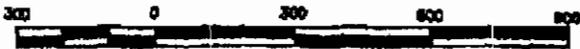
CONSTRUCT REST ROOMS, BLDG M-182  
2241 GOLDBERG AVE., NORTH CHARLESTON  
FLOOR PLAN

DESIGN	DATE	BY	CHK	DATE	SCALE	NO. SHEETS
REVISIONS:						
NO.	DATE	BY	DESCRIPTION			
1	1/15/02					
DWG. A-3						
SHEET 2 OF 2						

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PARTIAL SITE PLAN OF THE FORMER NAVAL BASE  
DEPICTING WORK AREA FOR INSTALLATION OF SEWER  
AND WATER SERVICE TO BUILDING M-192



# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <i>Navy Way @ Qtrs 'C'</i>	<b>Contractor:</b> <i>Leopold Bloom Prod. Inc</i>	<b>Date of Request:</b> <i>1/30/02</i>
--	--	---

Has the proposed work been staked out? (*Flagged*)  Yes  No

**Facility/ Work involved (Please check below)**

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <i>Plant removal</i> <input type="checkbox"/>	Communications <input type="checkbox"/>
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Auger <input type="checkbox"/>
	Ditcher <input checked="" type="checkbox"/>	Other: <input type="checkbox"/>

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

*Remove & temporarily relocate 11 large azalea plants from along Navy Way in front of Qtrs 'C'. Same for approx 9 large azaleas in circle around small oak tree in lawn area in front of Qtrs 'C'. Plants to be relocated along existing azalea hedge between Qtrs 'C' drive & Qtrs 'E'.*

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods. *Plants to be replaced in previous location*

<b>Date Permit Required:</b> <i>2/8/02</i>	<b>Termination Date of Permit:</b> <i>in approx 8 weeks.</i> <i>2/22/02</i>
---	--

<b>Signature of Requesting Official:</b> <i>Chrisley</i>	<b>Date:</b> <i>1/30/02</i>	<b>Phone Number:</b> <i>747-0010</i>
---	--------------------------------	---

## Caretaker Site Office Review

<p><b>Points of Contact:</b></p> <p><b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390</p> <p><b>SCE&amp;G:</b> R.W. Smith (work) 745-6381</p> <p><b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <i>RDA</i></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? _____</li> </ol>
<p>Permit Approved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	

**CSO Authorizing Signature:** \_\_\_\_\_ **Date out:** *1/31/2002*

**CH2MHILL/J.A. Jones Signature:** *Noted!*

**BEC Signature:** \_\_\_\_\_ **Serial Number:** *051*

**CSO Officer Signature:** *Thomas F. Freilli* *1/31/02*

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> SW Corner Qtrs 'A'	<b>Contractor:</b> Leopold Bloom Prod Inc	<b>Date of Request:</b> 1/30/02
--	--	------------------------------------

Has the proposed work been staked out? flagged  Yes  No

**Facility/ Work involved (Please check below)**

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <u>Plant</u> <input type="checkbox"/>	Communications <input type="checkbox"/>
Overhead Lines : <u>removal</u>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
<b>Method of Excavation:</b>	Hand <input checked="" type="checkbox"/>	<input type="checkbox"/> Other: _____
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

*Remove approx 50 small azalea shrubs from along walk way, SW corner Qtrs 'A'. Planted area to be restored with new container azaleas at completion of movie (approx 8 wks)*

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <u>2/8/02</u>	<b>Termination Date of Permit:</b> <u>2/22/02</u>
<b>Signature of Requesting Official:</b> <u>[Signature]</u>	<b>Date:</b> <u>1/30/02</u> <b>Phone Number:</b> <u>747-0010</u>

## Caretaker Site Office Review

<p><b>Points of Contact:</b></p> <p><b>CPW:</b> Robert Sagasser (work) 529-0653 (page) 570-0390</p> <p><b>SCE&amp;G:</b> R.W. Smith (work) 745-6381</p> <p><b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>RDA</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? _____</li> </ol>
--	--

**Permit Approved?**  Yes  No

<b>CSO Authorizing Signature:</b> <u>[Signature]</u>	<b>Date out:</b> <u>1/31/2002</u>
<b>CH2MHILL/J.A. Jones Signature:</b> <u>[Signature]</u>	
<b>BEC Signature:</b> <u>[Signature]</u>	<b>Serial Number:</b> <u>056</u>
<b>CSO Officer Signature:</b> <u>Thomas F. Fresilli</u> <u>1/31/02</u>	



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

11000  
Ser CSO/008  
01 Feb 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Sean:

**SUBJECT: REMOVING & REPLACING AZALEA SHRUBS IN THE VICINITY  
OF QTRS A & C**

This letter forwards approved excavation permit numbers 056 and 057, which are necessary to accommodate your licensee, Leopold Bloom Productions, Inc., and their request to replace and relocate azalea shrubs in the vicinity of Quarters A and C.

Please take note of the fact that the Navy, as current property owner, expedited a review of Leopold's proposal by the South Carolina State Historic Preservation Office (SHPO) and obtained their approval to proceed provided that:

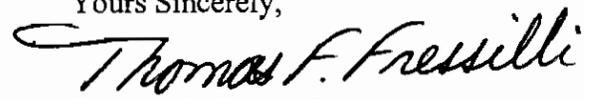
- (A) All plants are replaced in their original location at the end of filming.
- (B) The CNCRA or their contractor are responsible to replace any large plants that die as a result of the relocation with new healthy plants of equal size and proportions.
- (C) The CNCRA will be responsible to see that the smaller plants that are to be removed from the premises at the SW corner of Quarters A are replaced with container azaleas of equal size and proportions.

It is recognized that these Quarters are included in the imminent EDC Phase II property conveyance. Accordingly, it will soon be the responsibility of the CNCRA to approve or disapprove of requests to excavate or make alterations to these historic properties and the surrounding premises. Please be advised that the SHPO will ordinarily require thirty days for consultation on such work.

It is also unfortunate that the licensee indicated on his permit requests that he needed his approved permits to support a planned start date of 08 February 2002 and was observed by the Caretaker Site Office prosecuting this work on 31 January 2002. In the future, it is highly recommended that the CNCRA discuss its responsibilities under the Programmatic Agreement with all future licensees, lessees, and transferees so that schedules for work in the historic districts and on other historic properties can be adjusted to fully include time for the required SHPO consultations.

Please contact me in the event you have any further questions regarding these issues.

Yours Sincerely,

A handwritten signature in black ink that reads "Thomas F. Fressilli". The signature is written in a cursive style with a large, sweeping initial "T".

Thomas F. Fressilli

Caretaker Site Officer

By direction of the Commander

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: Pier M Quay Wall	Contractor: SC Ports Authority/CIP	Date: 1/28/02
----------------------------	------------------------------------	---------------

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____	
Overhead Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input checked="" type="checkbox"/>

Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
 Please see attached C. I. P. A second relieving platform is required along the Pier "M" Quay wall to load material for construction of the new Cooper River Bridge.

NOTE\*\* Approved digging permit serial #037 is for the same area.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: <b>ASAP</b>	Termination Date of Permit: <b>5/1/02</b>
Signature of Requesting Official: _____	Date: <b>1/8/02</b> Phone Number: <b>843-747-0010</b>

### Caretaker Site Office Review

<b>Points of Contact:</b> CPW : Robert Sagasser (work) 529-0653 (page) 570-0390  SCE&G: R.W. Smith (work) 745-6381  RDA: Gene Krisley Sewer POC: (work) 747-0010	1. Who is the current Land Owner/ Leasee? <u>Chas Int'l Ports</u> 2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____) 4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____) 5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No 7. What constituents will soil be tested for? _____ 8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No 9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No 10. Area where soil is to be stockpiled? <u>(See Attached Map)</u> 11. What is the serial # of forwarding letter to RDA? <u>009</u>
Permit Approved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

CSO Authorizing Signature: <u>Amy Daniel 2/1/02</u>	Date out: <u>02/05/02</u>
CH2MHILL/J.A. Jones Signature: _____	
BEC Signature: <u>in comments / M.A. Hunt 2/1/02</u>	Serial Number: <u>055</u>
CSO Officer Signature: <u>Thomas F. Freilli</u>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 055  
Request Date = 28 January 2002  
Comments Date = 1 February 2002  
Location = Between Piers M & N

### Environmental Review Comments

This project proposes the following: (a) to install a truss system

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being transported to the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090  
Ser CSO/009  
1 February 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: CIP REQUEST TO INSTALL A TRUSS SYSTEM TO SPAN THE RELIEVING PLATFORM ADJACENT TO PIER MIKE (2<sup>ND</sup> PLATFORM)**

Your letter of 28 January 2002 forwarded a request to install a truss system adjacent to Pier Mike for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO prior to transporting soil to the soil management area. If you have any questions or comments, please contact Amy Daniell at 743-9985.

Sincerely,

A handwritten signature in cursive script that reads "Tom Fressilli".

Tom Fressilli  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

January 28, 2002

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: C.I.P. REQUEST TO INSTALL A TRUSS SYSTEM TO SPAN THE RELIEVING PLATFORM ADJACENT TO PIER MIKE (2<sup>nd</sup> Platform)**

Dear Tom:

We are forwarding the request from Charleston International Ports, LLC to perform the subject alterations. In your October 23, 2001 letter to us, you approved this exact same type of system on the Pier M quay wall. They have determined that a second platform is required due to the limitations of one crane. These alterations are necessary for them to support the construction of the new Cooper River Bridge. As required by our alterations policy, they have provided engineered structural drawings for this proposed structural upgrade at the Pier Mike quay wall. I have already notified C. I. P. that they would need to notify the U. S. Army Corps of Engineers as they plan to place two 85' long piles into the river. We have included a digging permit, as they will be removing concrete portion of the quay and will most likely disturb some soil in the area. We request that you review this proposed work and provide us with your comments.

Thank you in advance for your review of this information. Please contact me with any questions you have regarding this information.

Sincerely,

Sean P. McDonell, P. E.  
Operations Director

/enclosures



CHARLESTON INTERNATIONAL PORTS, LLC

Mr. Sean McDonald  
1360 Truxtun Ave, Suite 300  
North Charleston, SC 29405

January 28, 2002

Dear Sean,

Palmetto Bridge Constructors has requested permission to install another crane platform on the quay wall between Pier ~~Mike~~<sup>September</sup> and Pier Mike. The reason is that much of their building material is in excess of 200 feet, which is very difficult to handle safely with one crane.

This one will be the same as the one you approved last year. This installation meets my approval and I request the approval of the RDA and US Navy. If you need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "Jerry L. Franks", written in a cursive style.

Jerry L. Franks  
Vice President/General Manager

CC: Steve Connor – State Ports Authority  
Duane Grantham - Charleston International Ports, LLC

ca



December 14, 2001

PBC/ARMY - 052

Ms. Debbie King  
US ARMY CORPS OF ENGINEERS  
Charleston District, Regulatory Branch  
PO Box 919  
Charleston, SC 29402

Subject: Cooper River Bridge Replacement Project  
Application for Crane Platform

Dear Ms. King:

Enclosed herewith is an application for a crane platform to be installed at Charleston's International Ports. This platform is very similar to the platform USACE and DHEC permitted in November of this year.

Should you need additional information, please do not hesitate to call.

Sincerely,

A handwritten signature in black ink, appearing to read 'J. Liles'.

Jack S. Liles  
Assistant Project Manager

JSL/enc  
Attachment  
Cc: Managing Partner

S. MARKO  
cc W. Watson  
J. Liles  
I. Sunderland  
P. Rudloff  
MANAGING PARTNER  
File: ID. & I

**Joint Federal and State Application Form  
For Activities Affecting Waters of the United States  
or Critical Areas of the State of South Carolina**

This Space for Official Use Only.

Application # \_\_\_\_\_  
Date Received: \_\_\_\_\_  
Project Manager: \_\_\_\_\_

*Authorities:* 33 USC 401, 33 USC 403, 33 USC 407, 33 USC 408, 33 USC 1341, 33 USC 1344, 33 USC 1413 and Section 48-39-10 et. seq of the South Carolina Code of Laws. These laws require permits for activities in, or affecting, navigable waters of the United States, the discharge of dredged or fill material into waters of the United States, and the transportation of dredged material for the purpose of dumping it into ocean waters. The Corps of Engineers and the State of South Carolina have established a joint application process for activities requiring both Federal and State review or approval. Under this joint process, you may use this form, together with the required drawings and supporting information, to apply for both the Federal and/or State permit(s).

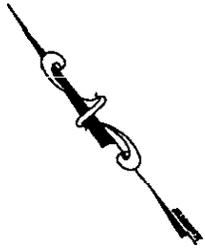
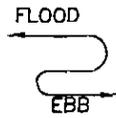
*Drawings and Supplemental Information Requirements:* In addition to the information on this form, you must submit a set of drawings and, in some cases, additional information. A completed application form, together with all required drawings and supplemental information is required before an application can be considered complete. See the attached instruction sheets for details regarding these requirements. You may attach additional sheets if necessary to provide complete information.

1. Applicant's Name.  Palmetto Bridge Constructors	4. Agent's Name (an agent is not required).  N/A
2. Applicant's Address.  222 Huger St. Charleston, SC 29403	5. Agent's Address.  N/A
3. Applicant's Contact Number (include area code).  Residence: N/A Business: 843/534-2687 FAX: 843/534-2088	6. Agent's Contact Number (include area code).  Residence: Business: N/A FAX:
7. Project Title.  Temporary Crane Platform	9. Project Location. Charleston International Port  Street Address: 1415 Viaduct Rd. County: North Charleston, SC 29405 Latitude: Longitude:
8. Nearest Waterbody to project site (if known).  Cooper River	
10. Directions to the Site (attach additional sheets if needed).  From I-26 E - exit 216 Cosgrove Ave. - North - Turn right on Spruill, Turn left on Viaduct Road - Turn right on Hobson - Proceed to Pier "H" (see attached map)	
11. Description of the Overall Project and of Each Activity In or Affecting U. S. Waters or State critical areas (attach additional sheets if needed).  Drive 4 ea. 18" $\varnothing$ carbon steel pipe pile to support a structural steel crane platform. At the completion of the Cooper River Bridge Replacement Project, the pipe pile will be removed and conditions restored to original conditions.	
12. Overall Project Purpose and the Basic Purpose of Each Activity In or Affecting U. S. Waters (attach additional sheets if needed).  The basic purpose of the platform is to relieve lateral loading imposed by a crane on the existing bulkhead.	



COOPER RIVER UPPER RANGE

CLOUTER CREEK REACH



-40

APPROX. 2000'

-34

NEW DOCK

100.00

-29

-29

53.00

53.00

25.00

25.00

1783

PIER N

EXISTING BULKHEAD

EXISTING DOCK  
*permitted 11/01*

AREA B  
58,700 SF

NOTE: ALL DEPTHS BASED  
MLW = 0.00'

AREA A  
59,600 SF

125

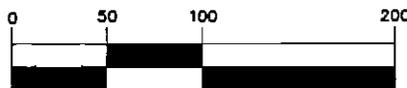
123

HOBSON STREET

PURPOSE: PROVIDE MATERIAL FOR  
COOPER RIVER BRIDGE  
REPLACEMENT PROJECT

STATION: MLW

PLAN VIEW



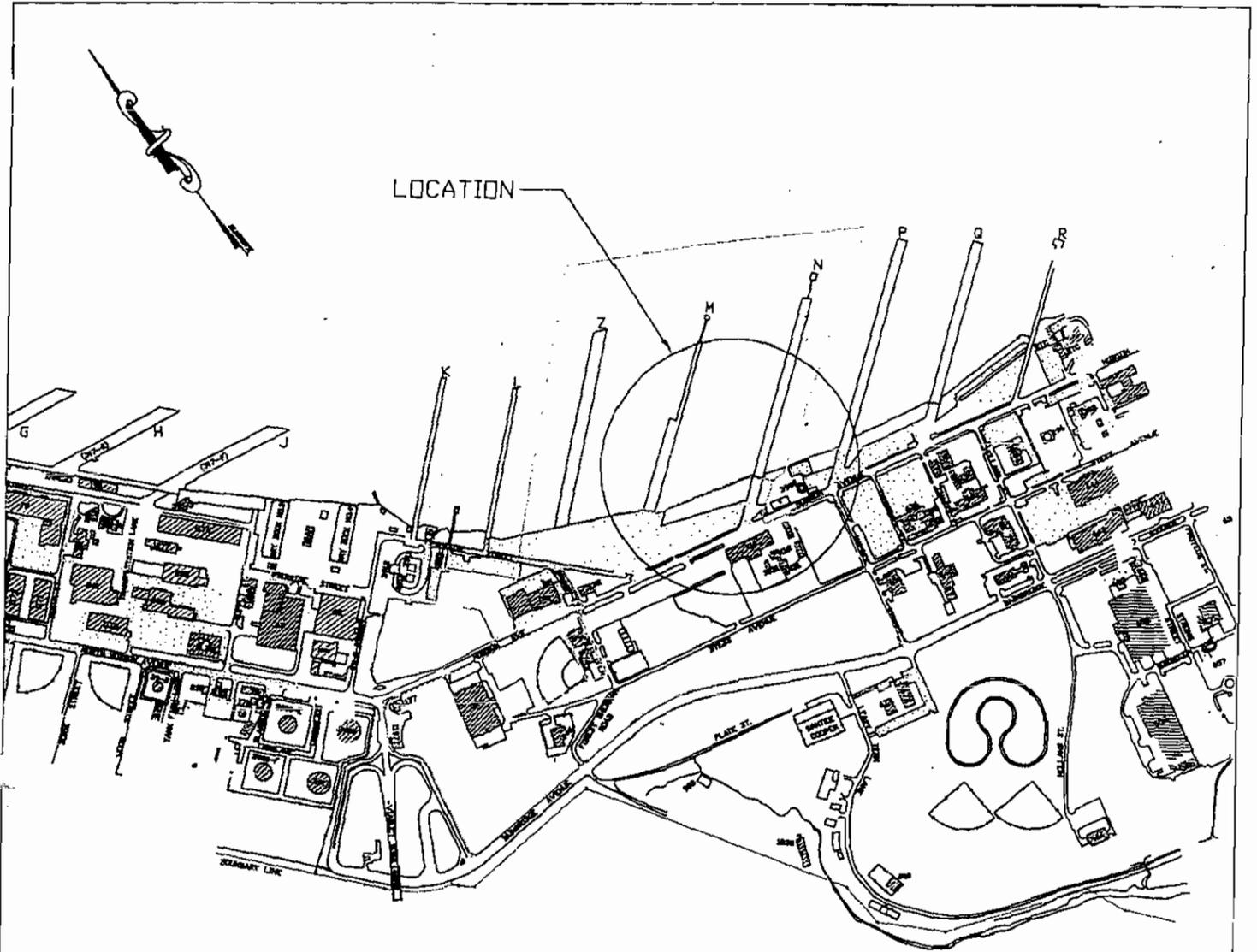
1" = 100'

PALMETTO BRIDGE CONSTRUCTORS  
222 HUGER STREET  
CHARLESTON, SC 29403

PROPOSED LOADING DOCK

IN: COOPER RIVER  
AT: CHARLESTON NAVAL COMPLEX  
COUNTY OF: CHARLESTON; STATE: SC  
APPLICATION BY: PALMETTO BRIDGE CONSTRUCTORS

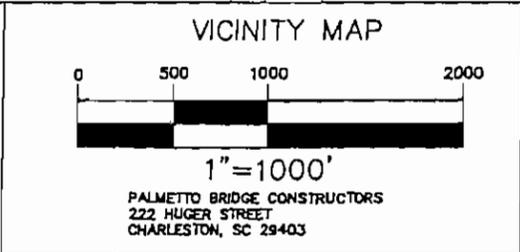
SHEET 2 OF 3      DATE: 10-18-01



CHARLESTON NAVAL COMPLEX

PURPOSE: PROVIDE MATERIAL FOR COOPER RIVER BRIDGE REPLACEMENT PROJECT

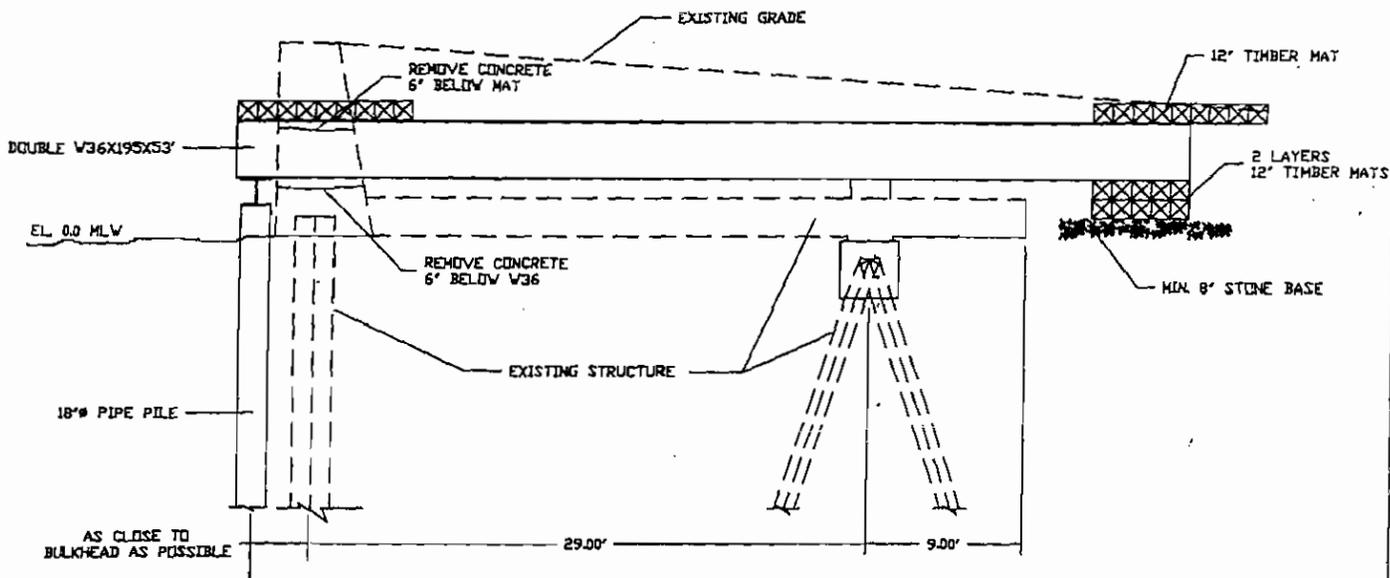
JM: MLW



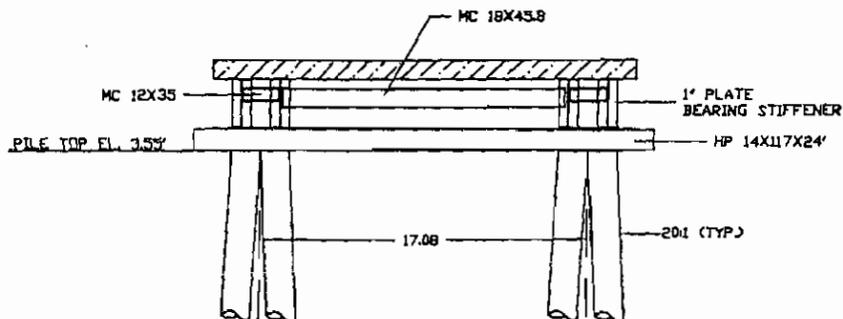
PROPOSED LOADING DOCK

IN: COOPER RIVER  
AT: CHARLESTON NAVAL COMPLEX  
COUNTY OF: CHARLESTON: STATE: SC  
APPLICATION BY: PALMETTO BRIDGE CONSTRUCTORS

SHEET 1 OF 3 DATE: 10-18-01



SECTION - A



SECTION - B

PURPOSE: PROVIDE MATERIAL FOR COOPER RIVER BRIDGE REPLACEMENT PROJECT

BY: MLW

SECTION VIEW

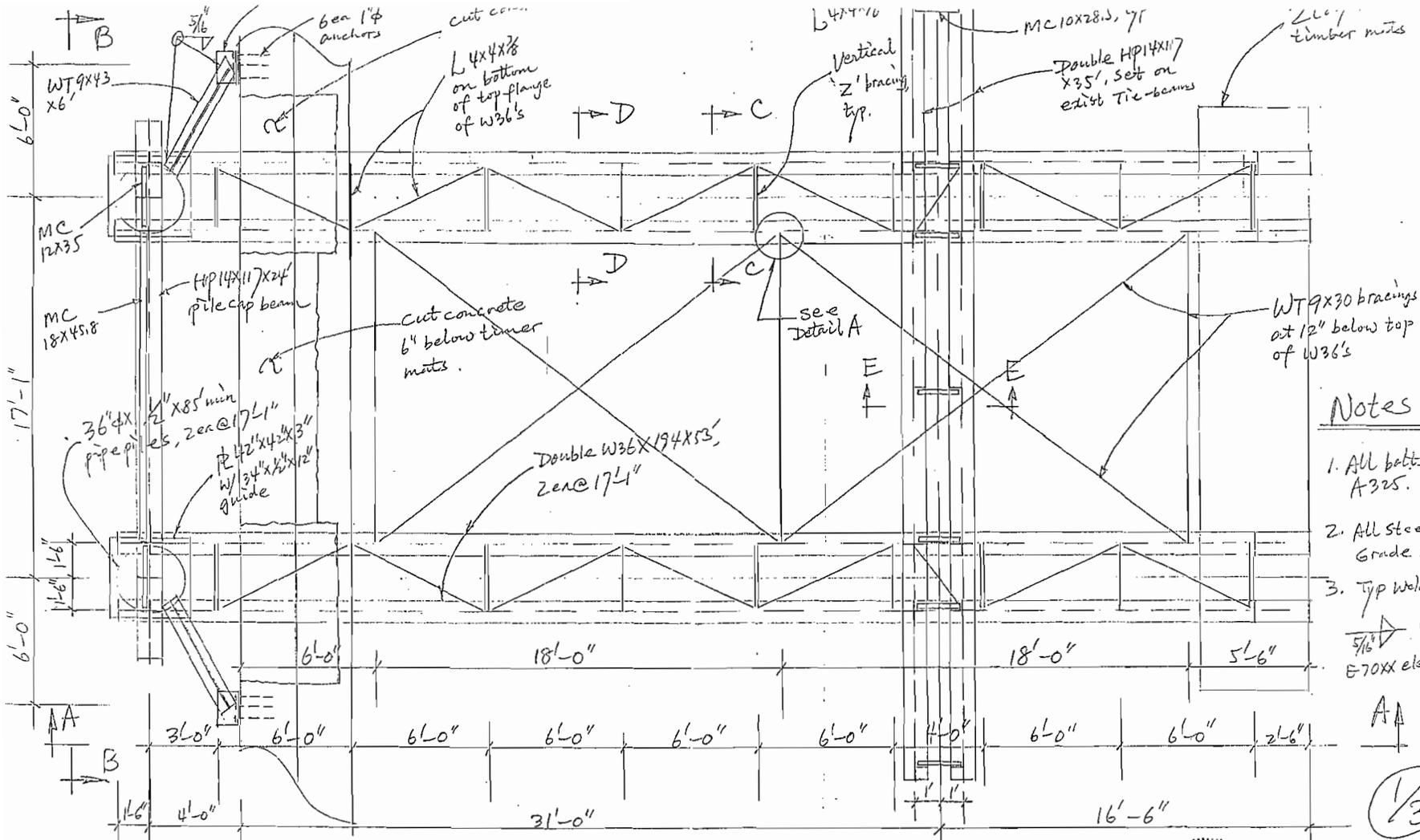


1"=10'

PALMETTO BRIDGE CONSTRUCTORS  
222 HUGER STREET  
CHARLESTON, SC 29403

PROPOSED LOADING DOCK

IN: COOPER RIVER  
AT: CHARLESTON NAVAL COMPLEX  
COUNTY OF: CHARLESTON; STATE: SC  
APPLICATION BY: PALMETTO BRIDGE CONSTRUCTORS



Notes

1. All bolts A325.
  2. All steel Grade 50
  3. Typ welding
- 5/16" w/ E70XX electrodes

JXZ 9/21/01

Plan 1/4"=1' Crane Trestle at Loading Dock, Cooper's Bridge, #2251



1/3





# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <i>From a point along Kilo St South near Riverside St.</i>	<b>Contractor:</b> <i>RDA Contractor</i>	<b>Date of Request:</b> <i>1/17/01</i>
--	---	---

<b>Has the proposed work been staked out?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Facility/ Work involved (Please check below)</b>	
Excavation <input checked="" type="checkbox"/> Pavements <input checked="" type="checkbox"/> Overhead Lines : _____ Underground Lines : _____ Method of Excavation: _____	Drainage Ditches <input type="checkbox"/> Other: _____ Utilities <input type="checkbox"/> Utilities <input type="checkbox"/> Hand <input type="checkbox"/> Ditcher <input type="checkbox"/>
Railroad Tracks <input type="checkbox"/> Communications <input type="checkbox"/> Communications <input type="checkbox"/> Power Shovel <input type="checkbox"/> Auger <input type="checkbox"/>	<input checked="" type="checkbox"/> Other: <i>Loader</i>

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

*Excavate approx 12" and compact in place. Prepare subgrade and install 6" asphalt pavement. Construction site approx 26' wide and 165' long. Any excavation waste will be spread adjacent to construction site.*

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <i>ASAP</i>	<b>Termination Date of Permit:</b> <i>3 months hence</i>
<b>Signature of Requesting Official:</b> <i>[Signature]</i>	<b>Date:</b> <i>1/17/02</i> <b>Phone Number:</b> <i>747-0010</i>

## Caretaker Site Office Review

<b>Points of Contact:</b> <b>CPW:</b> Robert Sagasser (work) 529-0653 (page) 570-0390  <b>SCE&amp;G:</b> R.W. Smith (work) 745-6381  <b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <i>RDA</i></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <i>(See Attached Map)</i></li> <li>11. What is the serial # of forwarding letter to RDA? <i>N/A</i></li> </ol>
<b>Permit Approved?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> <i>[Signature]</i> <i>1/24/02</i>	<b>Date out:</b> <i>1/30/2002</i>
<b>CH2MHILL/J.A. Jones Signature:</b> <i>[Signature]</i>	<b>Serial Number:</b> <i>05A</i>
<b>BEC Signature:</b> <i>M. A. Hunt</i> <i>1/28/02</i>	
<b>CSO Officer Signature:</b> <i>Thomas F. Frevilli</i> <i>1/30/2002</i>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 054  
Request Date = 17 January 2002  
Comments Date = 24 January 2002  
Location = Kilo St.

### Environmental Review Comments

This project proposes the following: (a) to prepare subgrade and install 6" asphalt pavement.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial actions. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site, the CSO should be notified prior to disposal for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

## CONSTRUCT ACCESS ROAD

Scope: The scope of work under this contract provides for construction of an all-weather access road 24 feet wide and approximately 165 feet long.

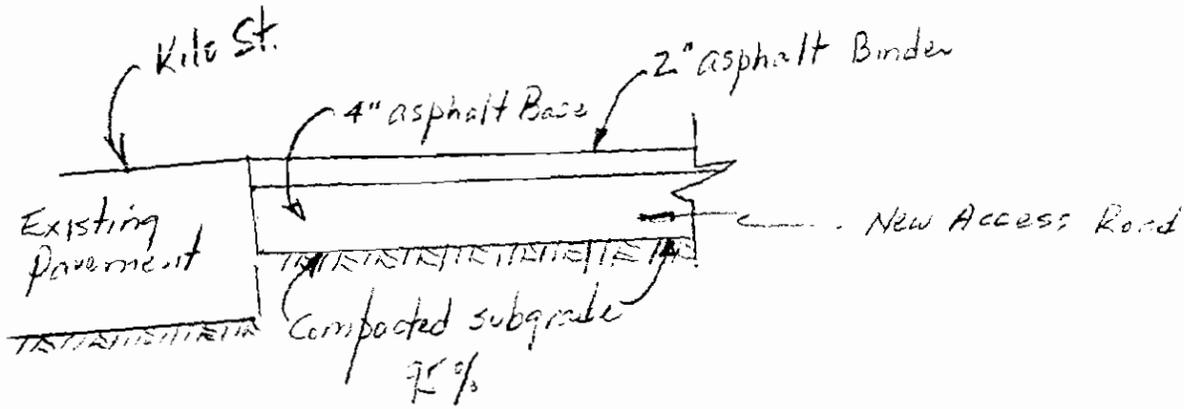
The roadwork will require construction of a contractor-prepared subgrade conforming to the lines, grades and typical cross section shown on the drawing and defined below. Subgrade construction will require some cut and fill.

Surfacing shall consist of 4 inches of asphalt base course (400 psy) and 2 inches of asphalt binder course (200 psy).

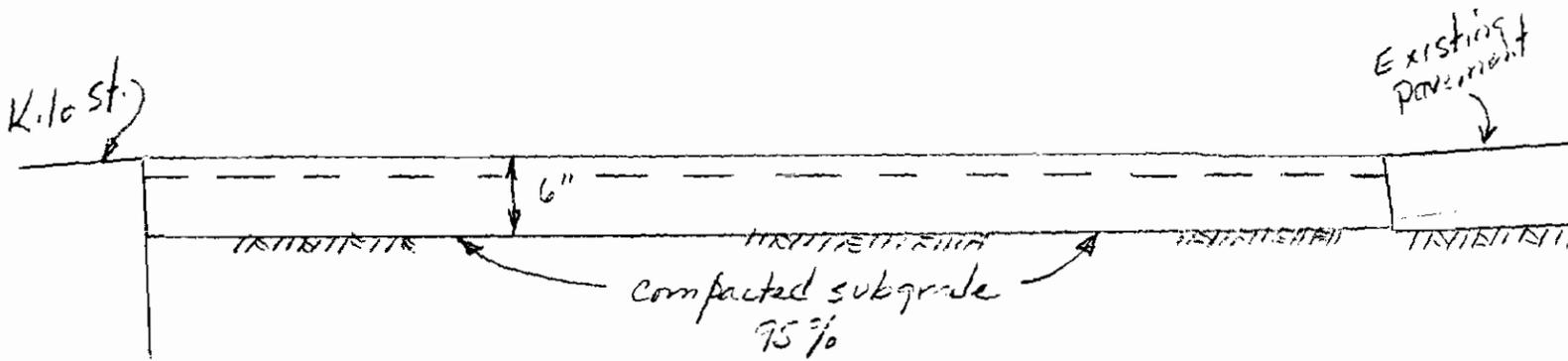
### Construction Requirements:

- Prepared subgrade to extend one foot beyond the outside edges of paved surface.
- Remove all objectionable non-soil material to a depth of 12 inches below finish subgrade; i.e., power cables, concrete chunks, wood, metal, etc.
- Roadbed shall be graded and shaped to construct a constant finish gradient sloping from Kilo Street tie-in to surface of existing pavement at sta 1+65±.
- Compact subgrade not less than 95 percent of maximum density.
- Hot laid asphalt aggregate base course shall conform to Section 310 of the S.C. Standard Specification for Highway Construction (1986).
- Hot laid asphalt concrete binder course shall conform to Section 402 of the S.C. Standard Specifications for Highway Construction (1986).
- Mixes of similar composition used in the Tri-County area during the past construction season and meeting the requirements of the appropriate Standard Specification Section may be used if approved by the RDA Maintenance Engineer.
- Maximum densities of subgrade shall be determined by AASHTO T-99.
- In-place density and moisture of subgrade shall be determined with a nuclear moisture-density gauge.
- Contractor shall provide for minimum four in-place density tests as part of contract amount. Failed tests shall be retested after rework at contractor's expense.

# Construct Access Road

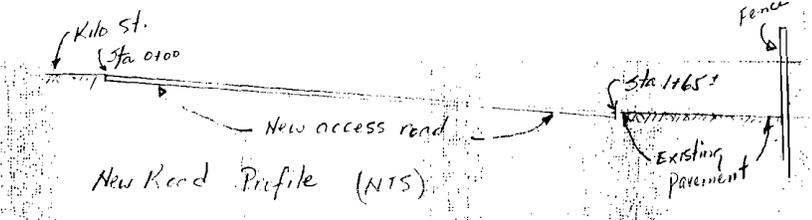
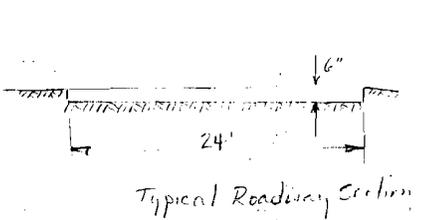
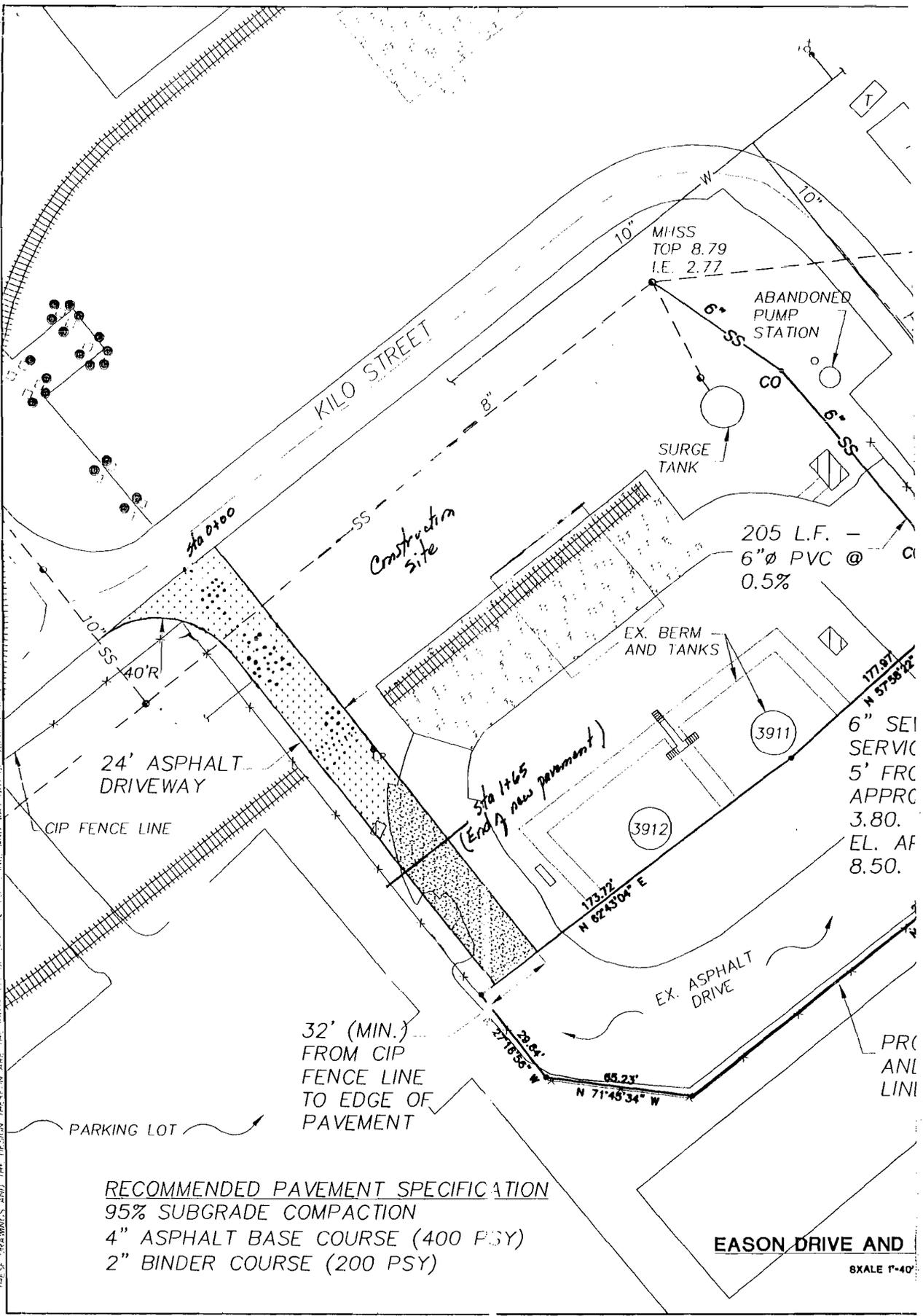


Section @ Kilo St.  
(NTS)

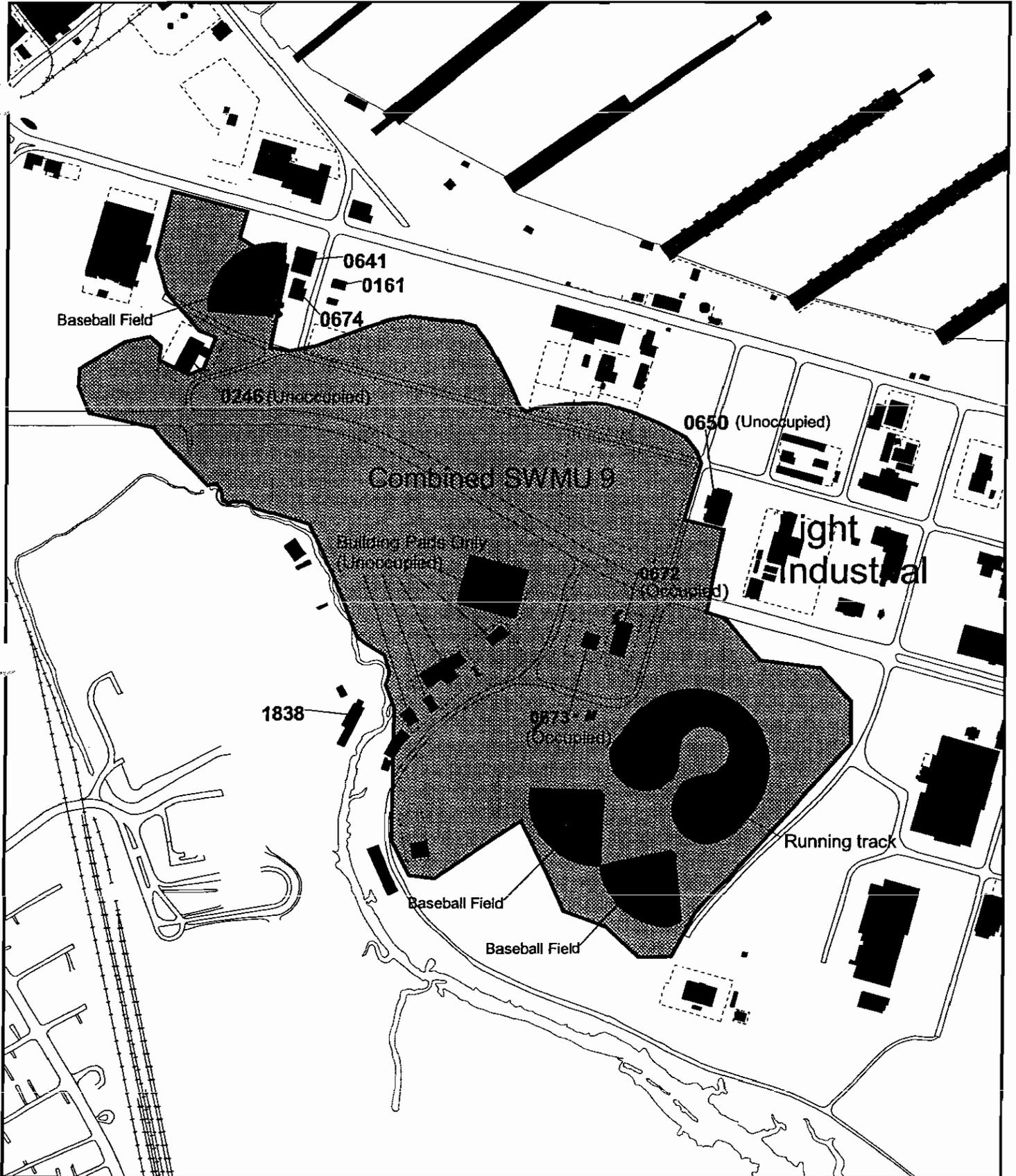


Profile New Access Road  
(NTS)

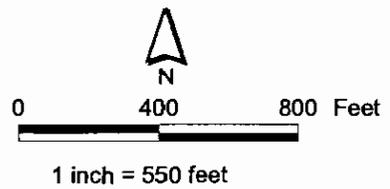
THESE DRAWINGS AND THE DESIGN THEREON ARE THE PROPERTY OF DAVIS & SILVER, INC. AND MAY NOT BE USED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF THE ENGINEER. ANY INSTRUMENT WILL BE SUBJECT TO LOCAL ACTION.



NOTE: Original figure created in color



- Fence
- Railroads
- Roads - Lines
- Shoreline
- Buildings and other structures
- SWMU 9 Boundary



**Figure 2-2**  
SWMU 9 Land Use  
Combined SWMU 9, Zone H  
Charleston Naval Complex

**CH2MHILL**



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090

Ser CSO/039

29 July 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: REVISION TO DIGGING PERMIT 053**

Digging permit 053 conditionally approved the excavation required for the wastewater system improvements south of Viaduct Road. The Navy had prohibited excavation through the former settling pond (STA 48+00 to 55+00). The Navy has recently received a No Further Action status by SCDHEC that means we no longer have to restrict excavation in this area. Therefore, the Navy removes the condition to restrict excavation at STA 48+00 to 55+00. Digging permit 053 is approved in its entirety. If you have any questions regarding this matter please contact Tony Hunt at 743-2062 or myself at 743-2985.

Sincerely,

A handwritten signature in black ink that reads "Amy Daniell".

Amy Daniell

Caretaker Site Officer

By the direction of the Commander

22 July 02

Mr. Tom Fressilli  
Caretaker Site Officer

Subject: Utility Systems Improvements Phase III – Sewer M10-N039-MJ-B

Reference: (a) RFI Report Addendum, SWMU 11, Zone G, dated August 2001  
(b) SCDHEC Approval letter, Scaturro to Daniell, dated 20 November, 2001  
(c) Previous letter dated 17 January 02

Dear Tom:

1. Based on approval of the No Further Action recommendation at SWMU 11 in Ref (a) and as approved by SCDHEC in Ref (b), the previous recommendation (ref(c)) to restrict excavation for the section of the sanitary sewer line (sheet C1.7 of the plans) from between stations 50+00 and 55+00 is no longer necessary. Land Use Restrictions will also not be necessary for this site.

2. I will be glad to answer any questions you may have, I can be reached at 743-2062.



M.A. Hunt, P.E.,  
BRAC Environmental Coordinator,  
Southern Division, Naval Facilities Engineering Command

## Daniell, Amy (Efdsouth)

---

**From:** Fressilli, Tom (Efdsouth)  
**Sent:** Monday, July 22, 2002 3:58 PM  
**To:** Hunt, Tony (Efdsouth)  
**Cc:** Daniell, Amy (Efdsouth); 'Gary Foster'  
**Subject:** RE: Digging Permit 053

Sounds like the best approach. Amy, please prepare the letter, which will essentially serve to forward the memo to the RDA and ask that they attach the memo to the Permit No. 053 in place of the earlier comments given as conditions for the excavation. For Tony: Please retransmit the memo to all as it was not attached to your email.

-----Original Message-----

From: Hunt, Tony (Efdsouth)  
Sent: Monday, July 22, 2002 3:33 PM  
To: Fressilli, Tom (Efdsouth)  
Cc: Daniell, Amy (Efdsouth); 'Gary Foster'  
Subject: RE: Digging Permit 053

Attached is memo to Tom removing the condition that created the conditional approval. I recommend a new letter from Tom concurring on the work as planned.

-----Original Message-----

From: Fressilli, Tom (Efdsouth)  
Sent: Monday, July 22, 2002 2:25 PM  
To: Hunt, Tony (Efdsouth)  
Cc: Daniell, Amy (Efdsouth); 'Gary Foster'  
Subject: RE: Digging Permit 053

Understand. Should we just forward the letter on to Sean or have him resubmit the permit on behalf of his contractor so that we can revise the statement concerning our reservations and restrictions?

-----Original Message-----

From: Hunt, Tony (Efdsouth)  
Sent: Monday, July 22, 2002 1:44 PM  
To: 'Sean McDonell'  
Cc: Fressilli, Tom (Efdsouth); Daniell, Amy (Efdsouth); 'Gary Foster'  
Subject: RE: Digging Permit 053

Sean,

I am providing a letter to Tom Fressilli explaining that this site has been closed requiring no further action although the calcium hydroxide sludge still remains. The sludge is not considered hazardous however there still may be concerns to personnel installing the piping (skin irritant) as well as the corrosive nature of this sludge. I will suggest that the Navy remove previous reservations of digging and the statement of land use restrictions being necessary at this site based on subsequent decisions by SCDHEC, EPA, CH2M/Jones and the Navy.

-----Original Message-----

From: Sean McDonell [mailto:smcdonell@awod.com]  
Sent: Monday, July 15, 2002 4:06 PM  
To: Hunt, Tony (Efdsouth)  
Subject: Digging Permit 053

Tony:

Digging permit 053 is the permit that conditionally approves the digging required for the wastewater system improvements south of Viaduct Road. As we discussed with Gary and you, the Navy no longer objects to us digging through the former settling pond (STA 48+00 to 55+00) but has verbally warned us of high pH levels in the soil. Our A-E has confirmed that our material spec for the wrapped pipe will provide adequate resistance to the pH levels in the soil. As I plan to issue the digging permit to our contractor, will the Navy provide a letter removing the objection to digging

through this area?

Thanks,

Sean P. McDonell, P.E.

Operations Director

Charleston Naval Complex Redevelopment Authority

843-747-0010

843-747-0054 Fax

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: South End of Naval Complex Contractor: Unknown Date: 1/8/02

Is proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____	
Overhead Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>
		<input type="checkbox"/> Other: _____

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
 Please see attached CNCRA letter dated 1/8/02 and 100% plans and specifications.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required:

1/23/02

Termination Date of Permit:

4/1/03 or 4/1/04 *TEK*

*EXTENDED TO 10/30/04 RSM*

Signature of Requesting Official:

*[Signature]*

Date:

1/8/02

Phone Number:

843-747-0010

*TEK 1/20/04*

## Caretaker Site Office Review

Points of Contact:

CPW : Robert Sagasser

(work) 529-0653

(page) 570-0390

SCE&G: R.W. Smith

(work) 745-6381

RDA: Gene Knisley

Sewer POC:

(work) 747-0010

1. Who is the current Land Owner/ Leasee? RDA
2. Is the Area inside the CIA?  Yes  No
3. Are any SWMU(s) impacted? If yes, list.  Yes  No ( \_\_\_\_\_ )
4. Are any AOC(s) impacted? If yes, list.  Yes  No ( \_\_\_\_\_ )
5. Has DHEC been notified?  Yes  No
6. Will soil need to be temporarily stockpiled?  Yes  No
7. What constituents will soil be tested for? \_\_\_\_\_
8. Soil Test results above residential background?  Yes  No
9. Soil Test results above industrial background?  Yes  No
10. Area where soil is to be stockpiled? (See Attached Map)
11. What is the serial # of forwarding letter to RDA? 001

*Conditionally*  
 Permit Approved?  Yes  No *\* Please see certain areas that are restricted.*

CSO Authorizing Signature: Amy Daniell 1-17-02

Date out: 1/22/02

CH2MHILL/J.A. Jones Signature: [Signature] 1-17-02

BEC Signature: *Conditional Approval* M.A. Hunt 1/17/02 (See attached memo) Serial Number: 053

Officer Signature: Thomas F. Crivelli 1/22/02

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: <b>South End of Naval Complex</b>	Contractor: <b>Unknown</b>	Date: <b>1/8/02</b>
---	----------------------------	---------------------

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____	
Overhead Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation: _____	Hand <input checked="" type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
 Please see attached CNCRA letter dated 1/8/02 and 100% plans and specifications.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> 1/23/02 <b>Signature of Requesting Official:</b> 	<b>Termination Date of Permit:</b> <del>4/1/03</del> <b>4/1/04</b> <i>TEK</i> <b>Date:</b> 1/8/02 <b>Phone Number:</b> 843-747-0010
---	---

## Caretaker Site Office Review

<b>Points of Contact:</b> <b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390  <b>SCE&amp;G:</b> R.W. Smith (work) 745-6381  <b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>RDA</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (_____)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (_____)</li> <li>5. Has DHEC been notified? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>007</u></li> </ol> <p style="text-align: center;"><i>Conditionally</i>  <b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>* Please see certain areas that are restricted.</i></p>
---	---

<b>CSO Authorizing Signature:</b> <u>Amy Daniell</u> 1-17-02	<b>Date out:</b> <u>1/22/02</u>
<b>CH2MHILL/J.A. Jones Signature:</b> <u>[Signature]</u> 1-17-02	
<b>BEC Signature:</b> <i>Conditional Approval</i> <u>M.A. Hunt</u> 1/17/02 (See attached memo)	<b>Serial Number:</b> <u>053</u>
<b>CSO Officer Signature:</b> <u>Thomas F. Fenilli</u> 1/22/02	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 053

Request Date = 8 January 2002

Comments Date = 17 January 2002

Location = South End of Naval Complex

### Environmental Review Comments

This project proposes the following: (a) to repair/replace significant pump stations, lines, and manholes.

The Navy has identified that in this area a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site, the CSO should be notified prior to disposal for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

## CH2M-JONES, LLC

---

January 16, 2002

To: Charleston Caretaker Site Office (CSO)  
From: CH2M-JONES, LLC

Subject: DIG PERMIT FOR UTILITY SYSTEM IMPORVEMENTS (SEWER M10-N039-MJ-B), PERMIT NUMBER 053

CH2M-JONES, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 053, and identified that portions of the proposed work areas are within or adjacent to Solid Waste Management Units (SWMUs), Areas of Concern (AOCs), and Underground Storage Tank (UST) sites. CH2M-JONES, LLC has provided a summary of the sites and contaminates that could be encountered during the Utility Improvement Phase III work. CH2M-JONES, LLC has included selected hard copies and figures obtained from the RCRA Facility Investigation (RFI) Report for particular sites and a map identifying UST sites that are near areas of proposed work. Should the reviewer require additional information, the RFI Report is on public record and should be utilized as necessary.

In addition to being aware of potential contaminates that may be encountered during sewer upgrades; the contractor performing the work should know that most SWMUs, AOCs, and UST sites have groundwater monitoring wells. The contractor shall stay a minimum distance of five feet away from all monitoring wells.

### Site Summaries:

**SWMU 11** is located near the interchange formed by the junction of Bainbridge Avenue and Viaduct Road. From the 1940s to early 1970s the site was a settling pond used for the disposal of calcium hydroxide generated as a byproduct of the production of acetylene gas. The proposed work transverses directly across this former settling pond. A layer of calcium hydroxide (white product) a few inches thick has been identified between 3 and 6 feet below land surface. The pH of this material has been measured and recorded at levels greater than eleven. Along with the calcium hydroxide layer, other construction type debris was identified at the site. The RCRA Facility Investigation Report (RFI) did not identify any industrial soil pathway Contaminates of Concern (COCs) for SWMU 11; however, serious consideration should be given to relocating the proposed section of sewer piping that crosses SWMU 11.

**SWMU 8** is located on Hobson Avenue between Buildings 161 and X10. This area was known as the sludge pits and operated from 1944 to 1977. This site contained three unlined pits utilized for the open dumping of used oil from naval vessels. The RFI identified arsenic and Benzo (a) Pyrene Equivalents (BEQs) as site worker COCs. Remedial activities performed at the site removed large quantities of oil/oil impacted soils. Oil impacted soils and groundwater may still be encountered. Additionally, piping that carried the waste oil from the piers to the sludge pits are still in place. Partial removal of this piping during remedial activities found the piping wrapped in felt like material that was identified as Asbestos Containing Material (ACM).

**SWMU 9** is a former landfill area that covers several acres. The RFI has identified COCs in soil and groundwater; however, work performed along Bainbridge Avenue mostly encountered normal backfill material. The contractor should be aware of the landfill footprint and realize the potential exists to encounter landfill debris. The contractor may want to consider performing test digs along the planned line of pipe installation prior to installation.

**SWMU 13** is a former firefighting training area on Dyess Avenue that includes Buildings 204, 1303, 1306, 1309, 1310, 1313, 1744, and 1834. Diesel fuel and gasoline were utilized while training personnel in firefighting techniques. Extensive soil sampling was performed and BEQs accounted as the primary contributor in risk calculations. Soil exposure scenarios showed there were no COCs identified for the hypothetical site worker.

**AOC 666** located near Osprey Street and Partridge Avenue was investigated to assess soil and groundwater near a UST site that supplied No. 2 fuel oil to a heating Plant (Facility NS-44). The RFI identified some risks from soil (BEQs, N-nitroso-di-n-propylamine, arsenic, and PCB) and groundwater risks were vinyl chloride and chloromethane.

**AOC 633** is located near Viaduct on Hobson Avenue (Building 451C). The site is an electrical substation and the RFI identified low levels of PCB's inside substation that are scheduled for remediation early in 2002. No COCs were identified by the RFI for site workers.

**AOC 709** (Zone G Grid Sample Area) is located between buildings 224 and 641 on Hobson Avenue. This site was remediated for low levels of PCB contamination in the surface soil.

**AOC 643** is an electrical substation (Building 125 and a UST site at Building 123 on Hobson Avenue. The RFI identified BEQs and arsenic as COCs for a site worker scenario. It was also determined that subsurface contaminate levels showed three contaminants (PCB, arsenic, and dieldrin) exceeded Soil Screening Levels (SSLs) as a possible contributor to groundwater contamination.

**AOC 671** is located between piers "Q" and "R" and was a metering house (Building 3905G) along with its two associated 25,000-gallon USTs. No COCs were identified for site worker soil pathway scenarios. Groundwater industrial scenario identified arsenic, mercury, manganese and thallium as COCs.

**AOC 675, 676, and 677** are located at Buildings NS-2, 3 and NS-4 between piers "S" and "T". This site is currently being transferred to the UST program. Contaminates that may be encountered include petroleum contaminants. No COCs were identified in the RFI for soil or groundwater for site worker scenarios.

**AOC 678 and 679** is located between piers "T" and "U" near Building NS-1. The RFI did not identify any soil or groundwater pathway COCs.

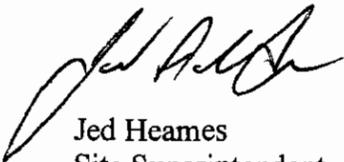
**UST site at Building 681** on Hobson Avenue (petroleum contamination may be encountered).

**UST site at Building NS-71** near Bordelon Avenue and Proteus Street (petroleum contamination may be encountered).

**UST site at Building 640** on Dyess Avenue (petroleum contamination may be encountered).

**UST site at Building NS-79** on Dyess Avenue (petroleum contamination may be encountered).

Respectfully,  
CH2M-JONES, LLC



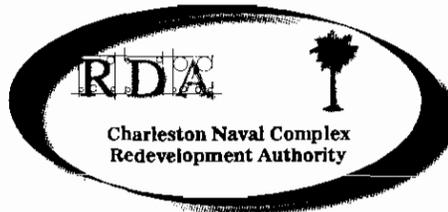
Jed Heames  
Site Superintendent

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

January 8, 2002

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: UTILITY SYSTEMS IMPROVEMENTS PHASE III – SEWER  
M10-N039-MJ-B**

Dear Tom:

We are forwarding the 100% plans and specifications for wastewater collection system improvements at the south end of the naval complex. This work is 75% funded by our EDA phase III grant. You will note that this project includes significant pump station, line and manhole repair/replacement for the portion of the complex south of the Viaduct Road gate. We have previously discussed the work with members of the Navy's environmental cleanup team and now have the final plans and specs to accompany a digging permit. We have attached a digging permit request to this letter.

Please provide us with your comments. We currently have a mandatory pre-bid meeting scheduled for Thursday, January 10, 2002 at 10:00 AM and the bid opening is scheduled for Thursday, January 24, 2002 at 2:00 PM. Please contact me with any questions you have regarding this information.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-0010

5090  
Ser CSO/007  
22 January 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: UTILITY SYSTEMS IMPROVEMENTS PHASE III – SEWER  
M10-N039-MJ-B**

Your letter of 8 January forwarded a request to repair/replace significant pump stations, lines, and manholes for the portion of the complex south of Viaduct Road gate, for our consideration and approval. The work will be taking place at or near contaminated areas. In these areas, the Navy has identified a release of hazardous substances has occurred, but corrective actions have not been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO.

The enclosed digging permit is partially and conditionally approved. Digging cannot be permitted to install a section of the sewer line (station 48+00 to 55+00) as shown on sheet C1.7 of the project drawings. The proposed line would traverse a former settling pond and the soil contains calcium hydroxide as explained in the comments attached to the permit. Since land use restrictions are likely to be incorporated into the property deed to prevent all excavations in this area, this section of line must be rerouted. It is suggested that the main be continued along Bainbridge Avenue from station 48 + 55, under the Viaduct Road overpass, and then routed to station 57 + 45 along the north side of Viaduct Road. Also, digging can be permitted for the installation of the section of sewer system force main (station 14+00 to 40+00) as shown on drawing sheets C1.5 and C1.6), but only upon the condition that adequate overburden is maintained over landfill debris that might be encountered in this area. If landfill materials are encountered, the contractor must be required, at no expense to the Navy, to either remove and dispose of the waste or replace the fill in the excavation to a

depth of at least two feet above the debris and install the force main at the new elevation. For other specific contaminants that may be encountered during execution of this project, please see the comments attached to the digging permit. Any soil excavated during this project shall be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions.

If you have any questions concerning the conditions placed on this digging permit, please contact Tony Hunt at 743-2062 or Amy Daniell at 743-9985.

Sincerely,

A handwritten signature in cursive script that reads "Tom Fressilli".

Tom Fressilli  
Caretaker Site Officer  
By the direction of the Commander

Mr. Tom Fressilli  
Caretaker Site Officer

*For CSO  
File copy  
of only*

17 January 02

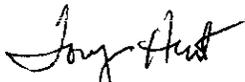
Subject: Utility Systems Improvements Phase III – Sewer M10-N039-MJ-B

Dear Tom:

I have reviewed the subject documentation on the utility systems improvements at the Charleston Naval Complex and provide the following comments.

1. The section of the sanitary sewer line (sheet C1.7 of the plans) from between stations 50+00 and 55+00 traverses a Solid Waste Management Unit (SMWU) #11 on the Navy's RCRA Part B permit. This area was once a Acetylene manufacturing plant and there is Calcium Hydroxide sediment remaining in the subsurface. Land Use Restrictions will likely be incorporated into the property deeds to prevent excavation in the future therefore it is not recommended that the sewer line be placed in this area. A more suitable route would be to continue the main under Viaduct Road from Station 48+55 and cross Bainbridge on the other side of Viaduct Road. This would also appear less costly since it would only cross one paved area versus three.
2. The section of the sanitary sewer system force main (sheets C1.5 and C1.6) from Station 14+00 to 40+00 traverses SWMU #9 on the Navy's RCRA Part B permit. This area is known as the Old Landfill. Information on the contents of the landfill are provided in the memorandum from CH2M Jones accompanying this excavation permit. Land Use Restrictions will be included in the property deeds conveyed by the Navy to prevent future excavation at this site without the proper notification and authorization of the Navy and SCDHEC. While there may be less objectionable routes for this force main, the Navy agrees that sufficient overburden should exist along Bainbridge Avenue in the planned route to avoid encountering landfill contents. In order to ensure landfill contents are not encountered it is highly recommended that soil borings be taken to the planned excavation depth to determine if adequate overburden exists. This would require a contractor trained in Hazardous Waste Operations to hand auger to planned depth. During the installation of the force main, if landfill contents are encountered the contractor will be required to either remove and properly dispose of the waste (at their expense) or replace the fill in the excavation to a depth of at least two feet above the debris and install the force main at the new elevation.
3. Any work must be done at CNCRA's risk. For Navy personnel, the Navy requires at a minimum that all excavation work within the boundaries of Solid Waste Management Units (SWMU), Areas of Concern (AOC) and petroleum contaminated sites (as shown on the Environmental Condition of Property Map) be done by personnel properly trained in Hazardous Waste Operations (HAZWOPER).

I will be glad to answer any questions you may have.



Tony Hunt, P.E.,  
BRAC Environmental Coordinator,  
Southern Division, Naval Facilities Engineering Command

# Wastewater Construction Permit

## Bureau of Water



Permission is hereby granted to: Charleston Naval Complex Redev  
1360 Truxtun #300  
Charleston, SC 29405

for the construction of a sanitary sewer system in accordance with the construction plans, specifications, engineering report and the Construction Permit Application signed by Richard P. Karkowski, Registered Professional Engineer, S.C. Registration Number: 18837.

**Project Name:** CHARLESTON NAVEL COMPLEX - PHASE III  
**Location:** Southern portion of the Charleston Navel Complex

**County:** Charleston

**Project Description:** Approximately 1295 LF of 20" DIP, 495 LF of 16" DIP, 1195 LF of 8" DIP gravity sewer with 10 manholes. One 1050-gpm pump station with 5820 LF of 10" DIP force main. Two grinder pump stations with 1325 LF of galv. steel force main and 1050 LF of 2" PVC force main.

This project will connect to the NCSD/FELIX C DAVIS treatment facility, (NPDES Permit SC0024783) but will not contribute any new flow.

### Special Conditions:

1. Before final approval to place in operation can be granted, the local EQC District Office must receive written notification from the Office of Ocean and Coastal Resource Management that all conditions of their certification have been met.

In accepting this permit, the owner agrees to the admission of properly authorized persons at all reasonable hours for the purpose of sampling and inspection.

*This is a permit for construction only and does not constitute State Department of Health and Environmental Control approval, temporary or otherwise, to place the system in operation. An Approval to Place in Operation is required and can be obtained following the completion of construction by contacting the EQC Trident District Office at (843) 740-1590. Additional permits may be required prior to construction (e.g., stormwater).*

**Permit Number:** 27,183-WW  
**Date of Issue:** November 09, 2001  
**Expiration Date:** Construction must begin prior to November 10, 2003 and be completed prior to November 08, 2004, or this permit will expire.

  
Jeffrey P. deBessonnet, P.E., Director  
Water Facilities Permitting Division

JRA

## Daniell, Amy (Efdsouth)

---

**From:** Daniell, Amy (Efdsouth)  
**Sent:** Tuesday, January 22, 2002 4:07 PM  
**To:** 'scaturdm@dhec.state.sc.us'  
**Cc:** Hunt, Tony (Efdsouth)  
**Subject:** Utility System Improvements Phase III in vicinity of Several SWMU's, AOC's, and UST's

This e-mail's purpose is to provide you with notification that the RDA is awarding a project for wastewater collection system improvements at the south end of the naval complex. We have notified the RDA that they will be disturbing soil in solid waste management units (SWMU's 11, 9, & 13, ), areas of concern (AOC 666, 633, 709, 643, 671, 675, 676, 677, 678, & 679), and underground storage tank sites (Bldg 681, NS-71, 640, & NS-79). They have been provided with information on the types of contaminants they may encounter and to take necessary precautions to minimize dermal exposure to their workers. They are also to stop work immediately if there is suspect soil or an unusual odor. Please contact our office if you have any questions.

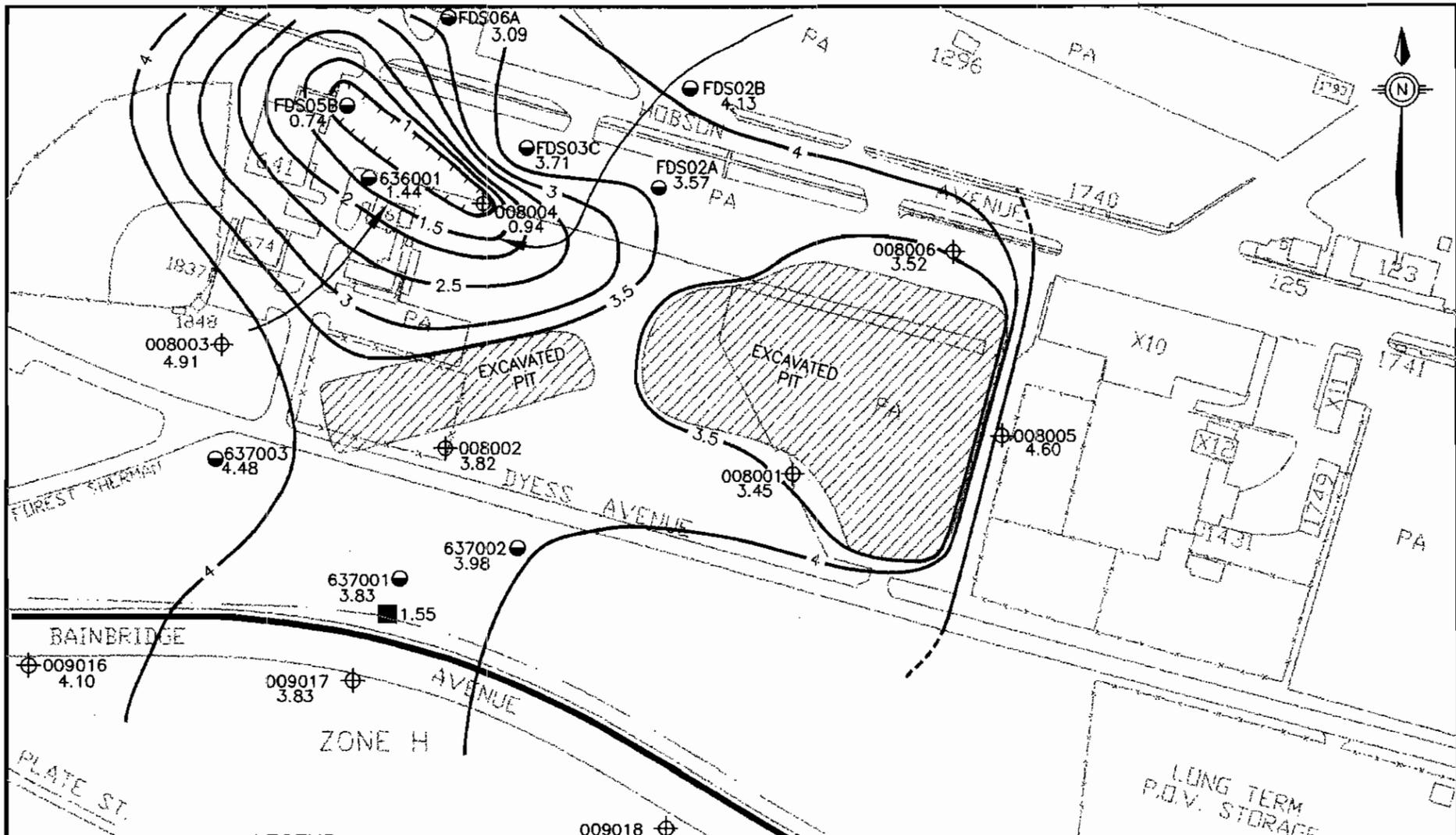
## **10.6 SWMU 8, Oil Sludge Pit; AOC 636, Torpedo Magazine, Building 161 Area**

These sites were combined into one investigation due to their close proximity and their potential for similar COPCs. The approved final RFI work plan also grouped AOC 637 into this combined SWMU 8 and AOC 636 investigation. AOC 637 was investigated separately because subsurface conditions are different at this site. SWMU 8 (a RFI site) and AOC 636 (a CSI site) are located in an area bound by Hobson Avenue to the north, Dyess Avenue to the south, Brumby Street to the west, and the Building X-10 compound (AOC 642) to the east. The SWMU 8 area contained three unlined pits which were used to dispose of oil sludge from 1944 to 1977. The pits have since been filled. The area is currently a gravel paved parking area. AOC 636 is the former torpedo magazine where subsurface disposal of unused torpedoes and munitions allegedly occurred prior to 1944. The AOC 636 area was primarily marshlands at the time. This area has since been filled with dredged materials. Currently, the AOC 636 area contain Building 161 and an asphalt paved parking lot.

### **10.6.1 Site Geology and Hydrogeology**

Figures 10.6-1 and 10.6-2 present the soil and groundwater sampling locations within this area respectively. Appendix A contains the boring logs and the monitoring well construction diagrams for the wells installed at SWMU 8 and AOC 636 in 1993.

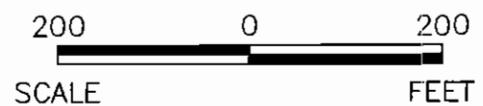
Based on soil descriptions from six monitoring well borings, the stratigraphy at SWMU 8 and AOC 636 generally consists of several feet of sand and clay fill material containing metal, wood, plastic, and brick debris underlain by alternating native deposits of silt and sandy clay, to a depth of approximately 20 ft bgs. The native deposits are representative of the Qm and Qc units described in Section 2.2.3.2. Several intervals contained petroleum odors, stains, and/or sheen.



LEGEND

- - SHALLOW MONITORING WELL
- ⊕ - EXISTING SHALLOW MONITORING WELL INSTALLED PRIOR TO RFI
- - STAFF GAUGE
- - ZONE BOUNDARY
- - - - DRAINAGE DITCH
- (thick) - CONTOUR INTERVAL = 0.5 FEET
- ← - ARROWS INDICATE FLOW DIRECTION

009018 ⊕ 4.20



ZONE G  
RCRA FACILITY  
INVESTIGATION REPORT  
NAVAL BASE CHARLESTON  
CHARLESTON, S.C.

FIGURE 10.6-3  
SHALLOW GROUNDWATER  
LOW-TIDE POTENTIOMETRIC MAP  
SWMU #8 OIL SLUDGE PIT  
AOC #636 TORPEDO MAGAZINE  
BUILDING 161 AREA  
DWG DATE: 02/04/98 | DWG NAME: 29ZGLTMM

Arsenic was the primary contributor to hazard estimates at the three sample locations at combined SWMU 8 that yielded a hazard index above unity (636SB005, 636SB010, and S08B24). Antimony, chromium, and thallium were secondary contributors. Hazard index estimates ranged from 0.01 (S08B23) to 7 (S08B24), with a mean hazard estimate of 0.5.

### Soil – Site Worker Scenario

Industrial soil pathway COCs identified for combined SWMU 8 are arsenic and benzo(a)pyrene equivalents. Figure 10.6-33 illustrates point risk estimates for combined SWMU 8 based on soil exposure pathways under a future worker/industrial scenario. Table 10.6.30 summarizes the risk and hazard contribution of each COPC at each sample location.

Thirty-nine of forty-eight sample locations yielded an ILCR greater than 1E-06. Arsenic was the primary contributor to ILCR projections at most surface soil sample locations and benzo(a)pyrene equivalents were secondary contributors. However, benzo(a)pyrene equivalents were the primary contributors to risk at 5 sample locations (S08B11, S08B12, S08B17, S08B18, and S08B31), where arsenic was a secondary contributor. Risk estimates ranged from 4E-07 (636SB014) to 3E-04 (S08B11), with a mean risk estimate of 1E-05. Neither of these COCs were detected in S08B23.

Arsenic was the sole contributor to hazard estimates for the industrial pathway at combined SWMU 8; however, hazard indices did not exceed unity at any location for the industrial scenario. Hazard index estimates ranged from 0.003 (636SB014) to 0.3 (S08B24), with a mean hazard estimate of 0.02. Arsenic was not detected in S08B23.

**9.1 SWMU 9 (Includes Groundwater for SWMUs 19, 20, and 121, and AOCs 649, 650, 651, and 654)**

SWMU 9 is a closed landfill at the southern end of NAVBASE that is generally bounded by Shipyard Creek to the southwest, Bainbridge Avenue to the northeast, and Holland Street to the southeast. Seven additional sites were investigated concurrently with SWMU 9 during the RFI because they were physically within the landfill perimeter. These sites include SWMU 19, a solid waste transfer station currently in operation; SWMU 20, a waste disposal area which appears to have been used for disposal of industrial type materials; SWMU 121, a former satellite accumulation area now associated with a recycling operation; AOC 654, the location of a former septic tank disposal system; and AOCs 649, 650, and 651, which are areas formerly used to store ship repair supplies.

Groundwater sampling was conducted throughout the SWMU 9 area in order to identify the presence or absence of groundwater contamination associated with SWMU 9 and its associated sites. Trench sampling was conducted to identify the types and typical concentrations of contaminants associated with waste materials disposed of in the landfill.

The boundary of SWMU 9 (defined as the filled area) was delineated through the use of a geophysical survey, review of historical aerial photographs, and with borings used for the installation of wells during the investigation. The boundary is presented in Figure 4.1.1. The landfill boundary is well defined with the exception of the area that extends slightly north of Bainbridge Avenue. Aerial photos and the geophysical survey indicate that this area was disturbed during the development of the landfill; however, borings drilled for well installations along Bainbridge Avenue did not encounter any landfill type debris. Instead, the area appears to have been filled with soil and sediment. The landfill comprises two relatively distinct areas. Generally, to the southeast of Least Tern Lane, the landfill is filled primarily with industrial and domestic waste. To the northwest of Least Tern Lane, the landfill appears to contain primarily

construction type debris. A significant observation made during the trenching activities was that the landfill is not covered by a low permeability cap.

SWMU 9 shallow and deep groundwater were evaluated separately for human health risk assessment purposes. In the shallow groundwater, the future site resident risk (ingestion and inhalation pathways) was estimated at  $1E-1$  and  $2E-3$  based on first and second-quarter data, respectively. Corresponding future site worker risk projections were  $3E-2$  and  $7E-4$ . The primary change between first and second-quarter monitoring events was the disappearance of benzidine which was the primary contributor to first-quarter risk projections. Hazard indices for the future resident child were calculated as 22 and 11 for first and second-quarter. Corresponding site worker hazard indices were 4 and 3. The primary risk and hazard contributing COCs in the shallow aquifer included chlorinated benzenes (mono-, di- and tri-substituted), chlorinated alkanes/alkenes, arsenic, alkylphenols, aromatic hydrocarbons, and antimony. 2,3,7,8-TCDD equivalents were also detected in first-quarter shallow groundwater samples. Consideration of third and fourth-quarter results for dioxins will serve to confirm or refute their presence. Furthermore, the maximum 2,3,7,8-TCDD equivalent concentration reported in shallow groundwater does not exceed the MCL ( $3E-8$  mg/L).

Deep groundwater at SWMU 9 was evaluated in the same manner as shallow. The computed site resident carcinogenic risk was  $4E-6$  for first-quarter and not applicable for second-quarter. The future site worker ILCRs based on deep groundwater was  $9E-7$  for first-quarter. No carcinogenic COCs were identified in second-quarter sampling relative to nonresidential receptors. The site resident hazard indices for the respective quarterly sampling events were 138 and 17. Site worker hazard indices were computed as 21 and 3, respectively. Chloroform was the sole ILCR contributor for first-quarter, and was not detected during second-quarter sampling. Thallium, also absent in second-quarter samples, was the primary contributor to first-quarter hazard. Manganese was the sole hazard-based deep groundwater COC detected in second-quarter samples, and its absence from the list of shallow

groundwater COCs suggests that concentrations observed are representative of naturally occurring levels.

Other media (sediment and surface water) were sampled as part of RFI activities at individual SWMUs/AOCs within combined SWMU 9, and are discussed separately in subsequent sections.

SWMU 9 groundwater (shallow and deep) is proposed for inclusion in the CMS due to the projected risk and hazard under hypothetical residential and industrial use scenarios. Shallow groundwater impacts are, however, somewhat localized in nature owing to the source type (heterogeneous landfill refuse/waste). Deep groundwater was, initially, found to be impacted (1st quarter), with risk and hazard projections exceeding the most stringent risk goals and hazard thresholds. Second-quarter deep groundwater results (and significantly lower associated risk/hazard projections) indicate; however, that consideration should be given to third and fourth-quarter results prior to risk management decision-making.

The source of groundwater contamination detected in the SWMU 20 area of SWMU 9 has not been determined. Soil sampling efforts focused on the vadose zone above the areas of highest groundwater contamination did not identify the presence of contaminants similar to those found in groundwater. Extensive regrading of the site in recent years may have removed and/or redistributed the source material in such a manner that it is no longer present or detectable.

In addition, SWMU 20 is geographically within the estimated SWMU 9 boundary and therefore will be evaluated during the SWMU 9 CMS process.

SWMU 9 was included in the ERA for subzone H-1. Based on surface soil samples collected throughout H-1 (which includes SWMUs 19 and 20, and AOCs 649, 650, and 651), the primary ecological risk to infaunal and terrestrial wildlife and vegetation is from inorganic constituents (particularly mercury, zinc, and copper) and low but widespread PAH compounds (See Figures 7.4, 7.5, 7.6, and 7.7). Sediment samples collected from the headwaters of Shipyard Creek in H-1 indicated a risk to aquatic receptors from organic constituents more so than inorganic.

SWMU 9 is proposed for inclusion in the CMS due to projected soil pathway risk/hazard at SWMUs 19, 20, 121 and AOCs 649, 650, and 651. Shallow groundwater risk and hazard also exceeded the most stringent risk goals and hazard thresholds. Shallow groundwater impacts are, however, somewhat localized owing to the source type (heterogenous landfill refuse/waste). Deep groundwater was found to be impacted and risk and hazard projections exceeded the most stringent risk goals and hazard thresholds. Second-quarter deep groundwater results indicate that consideration should be given to third and fourth-quarter analytical results prior to risk management decision-making. Table 9.1 summarizes human health risk assessment results.

Figures 6.2.1.1 through 6.2.1.10 illustrate the distribution of risk in groundwater at SWMU 9.

To evaluate fate and transport, constituents detected in SWMU 9 groundwater were compared to the constituents detected in soil samples from SWMUs 19, 20, and 121, and AOCs 649, 650, 651, and 654. Maximum concentrations in groundwater and soil were compared to relevant fate and transport screening criteria to highlight potential migration pathways. The fate and transport screening process for SWMU 9 produced a list of nine constituents that were present above their fate and transport screening criteria in both soil and groundwater: benzene, chlorobenzene, methylene chloride, trichloroethene, barium, chromium, copper, lead, and vanadium. Shallow groundwater migration is a slow process in Zone H due to low hydraulic gradients. This point was illustrated with travel time analysis which estimated the quickest travel time of 20 years for

benzene to migrate in groundwater from monitoring well NBCH009014 to Shipyard Creek. For the constituents listed above, sorption (barium, chromium, copper, lead, and vanadium) and biodegradation/volatilization and/or retardation (benzene, chlorobenzene, methylene chloride, and trichloroethene) are likely to be the dominant processes affecting fate and transport rather than groundwater migration.

Each SWMU and AOC in the SWMU 9 area was also evaluated separately to provide a focused assessment of the soil-to-groundwater migration pathway. Constituents were identified for SWMU 19 (barium, benzene, and chlorobenzene), SWMU 121 (barium, copper, lead, and vanadium), and AOCs 649 and 650 (barium and lead) as soil-to-groundwater migration concerns based on soil concentrations and detections in downgradient monitoring wells. No constituents were identified as soil-to-groundwater migration concerns for SWMU 20 or AOC 654.

Evaluation of the soil-to-air migration pathway identified a single surface soil sample with 1,1-dichloroethene concentrations (0.063 mg/kg) above the screening level (0.04 mg/kg). Due to the severely limited extent of surface soil impacts, impacts to ambient air, related to 1,1-dichloroethene volatilizing from surface soil are highly unlikely to exceed acceptable risk-based air concentrations.

Qualitative evaluation of the surface soil to sediment migration pathway provided evidence that erosion is a significant process for SWMUs 19, 20, and 121, and AOC 654. Many constituents detected in surface soil were also detected in sediment. This migration pathway is significant in terms of ecological impacts to adjacent wetlands and potential ecological receptors.

**Table 9.1**  
**Zone H Conclusion Summary**  
**SWMU 9**

	<b>Unacceptable Risks for Human Health in Residential Scenario (Y/N)</b>	<b>Chemicals Driving Risk</b>
Surface Soil	SWMU 19, SWMU 20, SWMU 121, and AOC 649, AOC 650, AOC 651, and AOC 654 (See Individual Site Discussions)	
Shallow Groundwater	Yes ILCR 1E-1/2E-3 HI=22/11 (First/Second-quarter)	Benzidine, Chlorinated Benzenes, Chlorinated Alkanes/Alkenes, Arsenic, Dioxins, Alkylphenols, Aromatics, Antimony
Deep Groundwater	Yes ILCR 4E-6/NA HI=138/17	Tl, Chloroform, Mn
	<b>Above Levels of Concern (Y/N)</b>	<b>Total TEQ (ppb)</b>
Dioxin in Surface Soil	No (All SWMUs/AOCs)	0.716-195.37 pg/g 2,3,7,8-TCDD equivalents
Dioxin in Shallow Groundwater	Yes	1.585-2.798 pg/L 2,3,7,8-TCDD equivalents
Dioxin in Deep Groundwater	None reported	NA
	<b>TPH Present at Concentrations &gt;100 ppm (Y/N)</b>	<b>Maximum Detected Concentration (ppm)</b>
Soil	See Individual SWMU/AOC Discussions	NA

**Note:**  
 NA = Not Applicable

## **10.8 SWMU 11, Caustic Pond**

A RFI site, SWMU 11 is located near the interchange formed by the junction of Bainbridge Avenue and Viaduct Road. It is currently an open space, landscaped with grass. From the early 1940s to the early 1970s, the site was a settling pond used for the disposal of calcium hydroxide generated as a byproduct of the production of acetylene gas. Unknown quantities of water saturated with calcium hydroxide were discharged into the pond, which discharged supernatant into Shipyard Creek. Soil borings taken during initial assessments found sludge depths of one foot. Groundwater samples collected from around the site indicated a neutral pH. A 1982 Confirmation Study (Geraghty and Miller, 1982) indicated that groundwater pH ranged from 6.3 to 7.3, and that calcium and chloride contents and specific conductances were slightly elevated. It was assumed that naturally occurring acidic soils at the site neutralized the relatively high pH of the caustic water infiltrating from the pond. A wetland area south of Bainbridge Avenue currently receives surface runoff from drainage culverts leading from the site.

### **10.8.1 Site Geology and Hydrogeology**

Figure 10.8-1 depicts the soil and groundwater sampling locations within this area. Appendix A contains the boring logs and the monitoring well construction diagrams for the three wells installed at SWMU 11. Based on the three monitoring well boring logs, the stratigraphy at SWMU 11 consists of varying mixtures of alternating silty clay, clayey sand and silt to a depth of approximately 12 ft bgs. The observed clayey sand exhibits an average grain size distribution of 56% sand, 15% silt, and 29% clay.

The groundwater elevation at SWMU 11 is approximately 6.0 ft msl. Figures 10.8-2 and 10.8-3 depict the shallow groundwater potentiometric surface and inferred flow direction at low- and high-tide respectively. Minor differences in the static water levels and the overall flow pattern at the SWMU 11 area were observed. Shallow groundwater at SWMU 11 flows generally to the east northeast. The horizontal hydraulic conductivity calculated from slug testing, varied from 3.1 to



did not exceed their corresponding background concentration. As a result, each was eliminated  
from consideration in the risk assessment.

#### **10.8.8.6 Risk Summary**

##### **Soil - Residential Scenario**

Lead was identified as a residential soil pathway COC for SWMU 11 based on the results of the  
Lead Model. Only one surface soil sample reported a concentration above the 400 mg/kg AL for  
lead in soil (O11SB001; 1,100 mg/kg). The remaining four surface soil samples reported lead  
concentrations well below the AL. There is some uncertainty as to the extent of lead  
contamination to the north of SWMU 11.

##### **Soil – Site Worker Scenario**

No industrial soil pathway COCs were identified for SWMU 11.

##### **Groundwater – Residential Scenario**

A conservative screening process, presented in Section 7 of this RFI, was used to identify  
groundwater COPCs. As a result of this screening process, no COPCs were identified for  
groundwater.

#### **10.8.9 Corrective Measures Considerations**

Based on the analytical results and the human health risk assessment for SMWU 11, COCs  
requiring further evaluation through the CMS process have been identified for surface soil. The  
site is currently an open, grass-covered area formerly used for the disposal of calcium hydroxide.  
SMWU 11 was evaluated under both the residential and industrial (site worker) scenarios. For  
these scenarios, the incidental ingestion and dermal contact exposure pathways were evaluated.  
Hazard was evaluated for noncarcinogenic contaminants through incidental ingestion and dermal  
contact scenarios as well.

## **10.2 AOC 633, Substation, Building 451C**

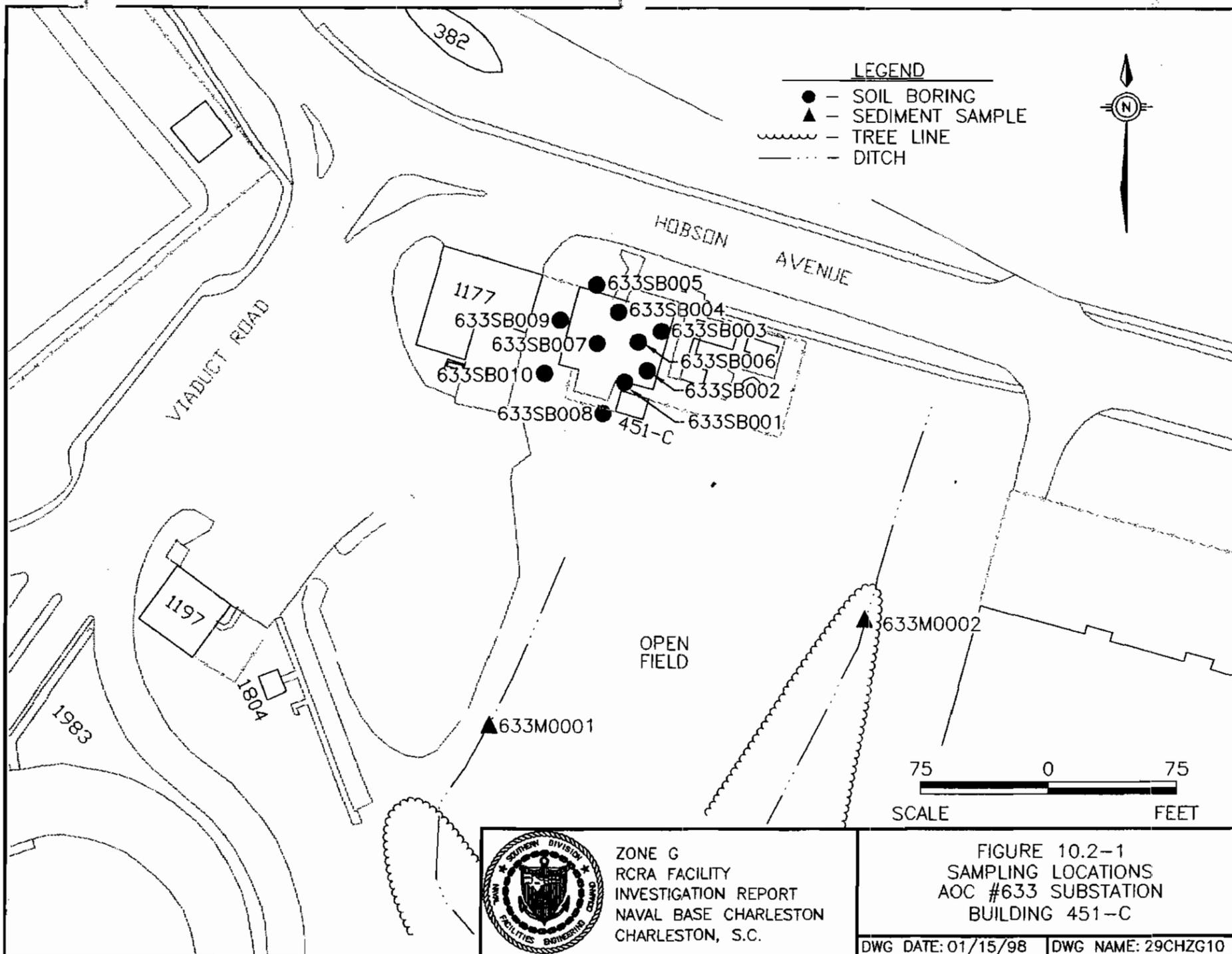
A CSI site, AOC 633 is located near Building 451C, an electrical substation built in 1943. The building is a block structure with a concrete roof and floor, several steel enclosures on concrete slabs and foundations from earlier buildings. Several high voltage switches, breakers and transformers are located in the two room block structure. Several large PCB releases have been documented from this site.

### **10.2.1 Site Geology**

Figure 10.2-1 depicts the soil and sediment sampling locations at AOC 633. The detailed stratigraphy at AOC 633 could not be determined as no monitoring well borings were completed within this area. Geologic data for monitoring well boring FDS07B (installed during the investigation of the Fuel Distribution System), approximately 315 feet east of AOC 633, is therefore presented. The stratigraphy at this location consists of silty, gravelly, medium to coarse sand overlying organic silty clay. The silty clay unit was encountered near the total depth of the boring, occurring below 10 ft bgs. Based on the hydrogeologic data gathered from FDS07B, the groundwater elevation at AOC 633 is approximately 4.5 ft msl. Shallow groundwater at AOC 633 flows generally to the north in the direction of the Cooper River.

### **10.2.2 Field Investigation Approach**

The objective of the field investigation at AOC 633 was to: (1) confirm the presence or absence of contamination in the site area; (2) delineate any contamination found; and (3) provide sufficient data to support a detailed evaluation of treatment alternatives, if required. Media sampled within the investigation area included soil and sediment. Section 3 of this report details the methods used during the field investigation. Included in this section are descriptions the hand-auger procedures used for soil sampling; sediment sampling procedures; and miscellaneous procedures used during the field investigation. Also discussed are the analytical protocols for sample analyses.



ZONE G  
 RCRA FACILITY  
 INVESTIGATION REPORT  
 NAVAL BASE CHARLESTON  
 CHARLESTON, S.C.

FIGURE 10.2-1  
 SAMPLING LOCATIONS  
 AOC #633 SUBSTATION  
 BUILDING 451-C

***Frequency of Detection and Spatial Distribution***

Aroclor-1260 was detected in three of ten surface soil samples and in only one surface soil sample at a concentration above its RBC.

**Quantification of Risk/Hazard**

As indicated by the discussions above, the uncertainty inherent in the risk assessment process is great. In addition, many site-specific factors have affected the uncertainty of this assessment that would upwardly bias the risk and hazard estimates. Exposure pathway-specific sources of uncertainty are discussed below.

***Soil***

A conservative screening process was used to identify COPCs for AOC 633. The potential for eliminating CPSSs with the potential for cumulative HI greater than one was addressed for noncarcinogens through the use of RBCs that were reduced one order of magnitude. For carcinogens, the RBCs are based on a conservative target risk of 1E-06. Use of conservative RBCs in combination with the use of maximum detected concentrations minimizes the likelihood of a significant contribution to risk/hazard based on eliminated CPSSs. Of the CPSSs screened and eliminated from formal assessment, none was reported at a concentration close to its RBC (e.g. within 10% of its RBC).

SW-846 Pesticides and PCBs were the only parameters for which soil was analyzed. No risk assessment conclusions can be inferred regarding parameters that were not included as part of the CSI.

**10.2.6.7 Risk Summary**

The risk and hazard posed by contaminants at AOC 633 were assessed for future site workers and future site residents under RME assumptions. For surface soils, the incidental ingestion and

dermal contact pathways were assessed in this HHRA. Table 10.2.18 presents the risk summary for each pathway/receptor group evaluated for AOC 633.

### **Soil — Residential Scenario**

There were no residential soil pathway COCs identified for AOC 633. Table 10.2.19 summarizes the risk and hazard contribution of each COPC at each sample location. These point risk estimates are based on the unlikely assumption that a potential future site resident will be chronically exposed to specific points. Exposure to surface soil conditions is more likely the result of uniform exposure to the soil conditions of the entire site (or exposure unit area) rather than specific points. With this in mind, point risk estimates are useful in that they allow the reader to visualize how chemicals driving risk estimates are distributed across the site. Figure 10.2-22 presents the point risk estimates for surface soil in a residential scenario at AOC 633.

Aroclor-1260 was the only COPC identified for AOC 633 surface soil and was detected at a concentration equating with a risk estimate above 1E-06 in only one surface soil sample (633SB001). Most of the surface soil samples collected for AOC 633 were nondetect with regard to Aroclor-1260. Risk estimates ranged from 2E-07 (633SB002) to 2E-06 (633SB001). The mean risk estimate is 4E-07, assuming a de minimus risk of 1E-07 for surface soil samples with nondetects.

### **Soil — Site Worker Scenario**

There were no site worker soil pathway COCs identified for AOC 633.

**10.10 AOC 643, Substation, Building 125**

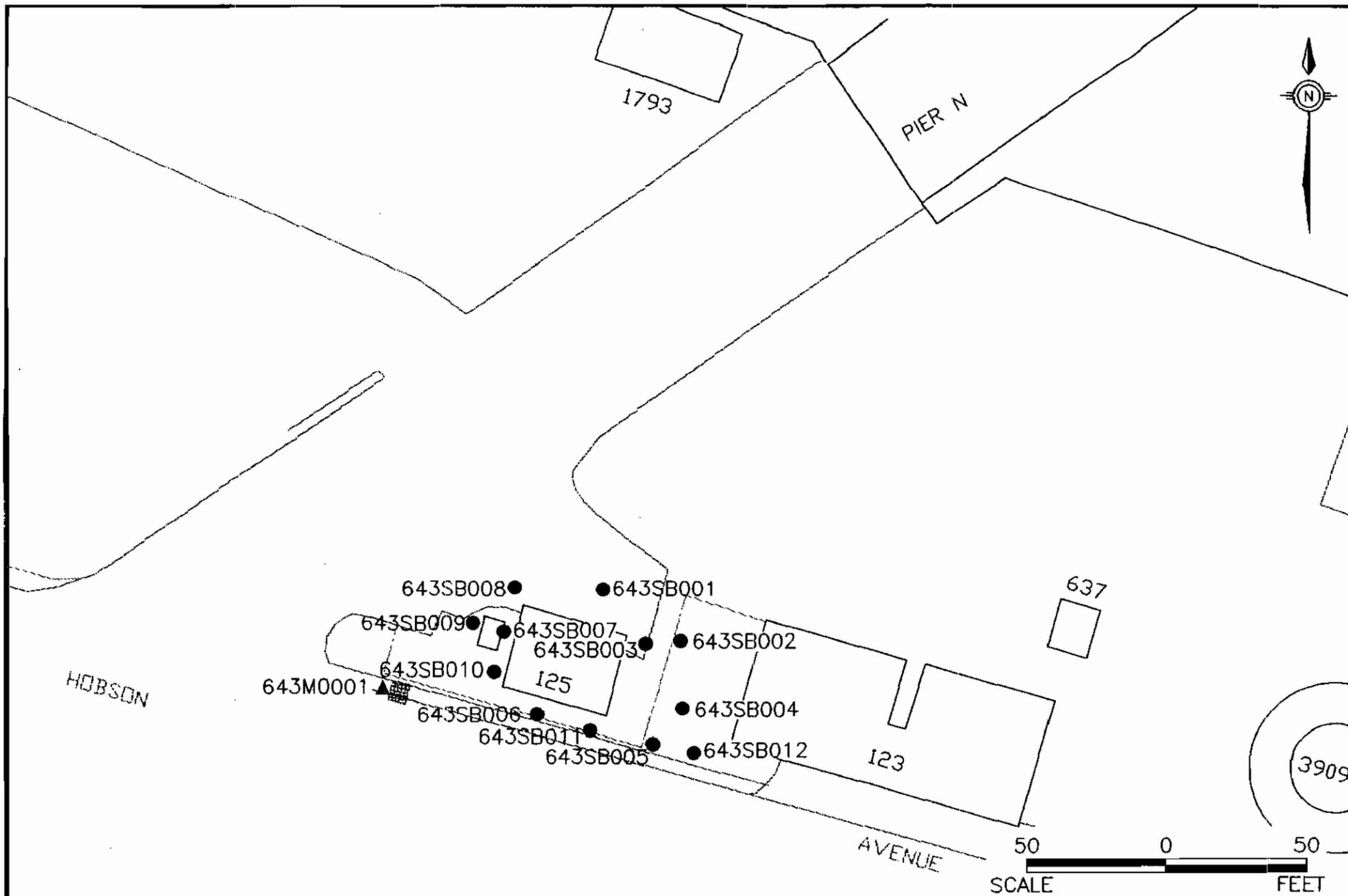
A CSI site, AOC 643 is the electric substation at Building 125 which lies on the north side of Hobson Avenue, near the entrance to Pier N. At one time, PCB transformers, inactive DC generators, switches, and circuit breakers were stored in a wooden shed adjacent to Building 125. A dielectric fluid spill/cleanup was documented, and stains were noted on concrete pavement around this area.

**10.10.1 Site Geology**

The soil boring and sediment sampling locations for AOC 643 are shown in Figure 10.10-1. Since no monitoring well borings were advanced at this site, the detailed stratigraphy for this AOC could not be determined. Geologic data for monitoring well boring FDS01E (installed during the investigation of the Fuel Distribution System), approximately 63 feet northeast of AOC 643, is therefore presented. The stratigraphy at this location consists of a layer of fill (loose, silty, gravelly, sand) overlying a layer of black silty clay, over a layer of dark gray, silty, clayey, sand, which overlies soft gray silty clay. The silty clay is representative of the Qc unit described in Section 2.2.3.2. The silty clay unit was encountered near the total depth of the borings, occurring about 10 ft bgs. The static groundwater elevation at AOC 643 is approximately 3 ft msl. The shallow groundwater flow at this site is towards the Cooper River.

**10.10.2 Field Investigation Approach**

The objective of the field investigation at AOC 643 was to: (1) confirm the presence or absence of contamination in the site area; (2) delineate any contamination found; and (3) provide sufficient data to support a detailed evaluation of treatment alternatives, if required. Media sampled within the investigation area included soil and sediment. Section 3 of this report details the methods used during the field investigation. Included in this section are descriptions of the hand-auger procedures used for soil sampling; sediment sampling procedures; and miscellaneous procedures



- LEGEND**
- - SOIL BORING
  - ▲ - SEDIMENT SAMPLE
  - ▣ - STORM DRAIN



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 CHARLESTON, S.C.

FIGURE 10.10-1  
 SAMPLING LOCATIONS  
 AOC #643  
 SUBSTATION,  
 BUILDING 125

DWG DATE: 01/15/98 | DWG NAME: 29CHZG31

background value for manganese (325 mg/kg) results in hazard quotients of 0.2 and 0.01 for the residential child and site worker, respectively.

#### **10.10.6.7 Risk Summary**

The risk and hazard posed by contaminants at AOC 643 were assessed for future site workers and future site residents under reasonable maximum exposure assumptions. For surface soils, the incidental ingestion and dermal contact pathways were assessed in this HHRA. Table 10.10.19 presents the risk summary for each pathway/receptor group evaluated for AOC 643.

#### **Residential Scenario**

Residential soil pathway COCs identified for AOC 643 are arsenic, chromium, vanadium, Aroclor-1260, and benzo(a)pyrene equivalents. Figures 10.10-8 and 10.10-9 illustrates point risk and point hazard estimates for AOC 643 based on soil exposure pathways under a future residential scenario. Table 10.10.20 summarizes the risk and hazard contribution of each COPC at each sample location. This point risk map is based on the unlikely assumption that a potential future site resident will be chronically exposed to specific points. Exposure to surface soil conditions is more likely the result of uniform exposure to the soil conditions of the entire site (or exposure unit area) rather than specific points. Risk maps supplemented by the tables are useful in that they allow the reader to visualize how chemicals driving risk estimates are spatially distributed across the site.

Nine of twelve sample locations yielded ILCRs that were greater than 1E-06. Arsenic was the primary contributor to risk at 643SB001, 643SB004, 643SB009, and 643SB010, while it was a secondary contributor at 643SB007. Benzo(a)pyrene equivalents were primary contributors to risk at 643SB002, 643SB003, 643SB005, and 643SB012, while they were secondary contributors at 643SB004, 643SB009, and 643SB010. Aroclor-1260 was a primary contributor to risk at 643SB007, while it was a secondary contributor at 643SB003, 643SB009, 643SB010, and

643SB012. Risk estimates at AOC 643 ranged from 5E-07 (643SB008) to 1E-04 (643SB009), with a mean risk estimate of 2E-05.

Arsenic was the primary contributor to the hazard estimate at the only location at AOC 643 that yielded a hazard index above unity (643SB009). Chromium and vanadium were secondary contributors. Hazard index estimates ranged from 0.08 (643SB007) to 2 (643SB009), with a mean hazard estimate of 0.3.

#### **Site Worker Scenario**

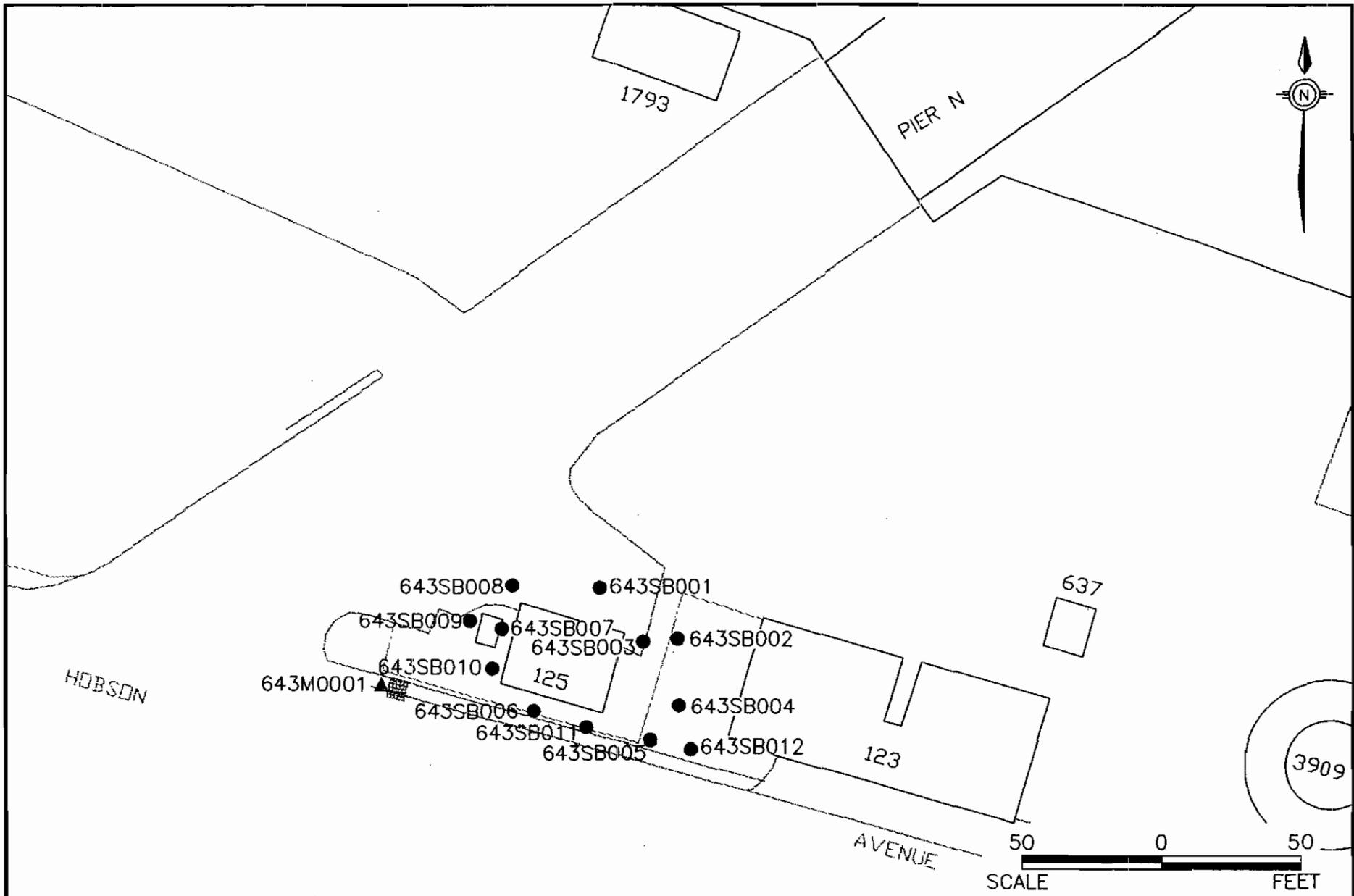
Industrial soil pathway COCs identified for AOC 643 are arsenic and benzo(a)pyrene equivalents. Figure 10.10-10 illustrates point risk estimates for AOC 643 based on soil exposure pathways under a future industrial scenario. Table 10.10.21 summarizes the risk and hazard contribution of each COC at each sample location.

Six of twelve sample locations yielded an ILCR greater than 1E-06 (643SB001, 643SB004, 643SB005, 643SB009, 643SB010, and 643SB012). Arsenic and benzo(a)pyrene equivalents were the sole contributors to ILCR projections for the industrial scenario at AOC 643. Risk estimates ranged from 2E-07 (643SB003) to 2E-05 (643SB009), with a mean risk estimate of 3E-06.

Arsenic was the sole contributor to hazard estimates for the industrial scenario at AOC 643; however, hazard indices did not exceed unity at any location. Hazard index estimates ranged from 0.003 (643SB007) to 0.1 (643SB009), with a mean hazard estimate of 0.01.

#### **10.10.6.8 Remedial Goal Options**

RGOs for carcinogens were based on the lifetime weighted average site resident as presented in Table 10.10.22 for surface soils. Hazard-based RGOs were calculated based on the hypothetical child resident, as noted in the table.



- LEGEND**
- - SOIL BORING
  - ▲ - SEDIMENT SAMPLE
  - ▣ - STORM DRAIN



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FIGURE 10.10-1  
SAMPLING LOCATIONS  
AOC #643  
SUBSTATION,  
BUILDING 125

DWG DATE: 01/15/98    DWG NAME: JCHZG31

### 10.10.7 Corrective Measures Considerations

Based on the analytical results and the human health risk assessment for AOC 643, COCs requiring further evaluation through the CMS process have been identified for surface soil. The site is currently in an urban area and risk to human health was evaluated under both the residential and industrial (site worker) scenarios. For these scenarios, the incidental ingestion and dermal contact exposure pathways were evaluated. Hazard was evaluated for noncarcinogenic contaminants through incidental ingestion and dermal contact scenarios as well.

As recommended by SCDHEC, a COC is considered to be any chemical contributing to a cumulative risk level of  $1E-06$  or greater and/or a cumulative hazard index above 1.0, and whose individual risk exceeds  $1E-06$  or whose hazard quotient exceeds 0.1.

Aroclor-1260, arsenic, BEQs, chromium, and vanadium were identified as soil pathway COCs for AOC 643. Table 10.10.23 presents cumulative and COC-specific exposure risks and hazard quotients. Risk-based remedial goals for surface soil are presented in Table 10.10.22.

To determine the leaching potential of contaminants from the subsurface soil media to groundwater, contaminant concentrations in subsurface soil were compared against generic SSLs based on a DAF of 20. This comparison indicated three contaminants exceeding SSLs. These contaminants were Aroclor-1260, arsenic, and dieldrin. Aroclor-1260 was detected in two samples at concentrations (1,170 and 1,700  $\mu\text{g}/\text{kg}$ ) above the SSL of 1,000  $\mu\text{g}/\text{kg}$ . Arsenic was detected in one sample at a concentration (52.7  $\mu\text{g}/\text{kg}$ ) above the SSL of 29  $\mu\text{g}/\text{kg}$ . Dieldrin was detected in one sample at a concentration (22  $\mu\text{g}/\text{kg}$ ) above the SSL of 4  $\mu\text{g}/\text{kg}$ . For more information regarding indirect exposure pathways associated with subsurface soil refer to Section 10.10.5, Fate and Transport Assessment for AOC 643. Potential corrective measures for soil are presented in Table 10.10.24.

**Table 10.10.23**  
 Zone G  
 AOC 643  
 Cumulative and Chemical-Specific Exposure Risks and Hazard

Chemical	Risk		Hazard	
	Industrial	Residential	Industrial	Residential
<b>Soil</b>				
Aroclor-1260	9.8E-07	4.8E-06	ND	ND
Arsenic	2.0E-05	1.3E-04	0.121	2.41
BEQs	2.1E-06	1.0E-05	ND	ND
Chromium	ND	ND	0.007	0.14
Vanadium	ND	ND	0.014	0.28
<b>Cumulative</b>	<b>2.3E-05</b>	<b>1.5E-04</b>	<b>0.142</b>	<b>2.83</b>

*Note:*  
 ND = Not determined

**Table 10.10.24**  
 Zone G  
 AOC 643  
 Potential Corrective Measures

Medium	Compounds	Potential Corrective Measures
Soil	Aroclor-1260, Arsenic, BEQs, Chromium, Dieldrin, and Vanadium	a) No action b) Excavate, offsite disposal, and monitoring c) Containment/capping d) Ex-situ physical treatment

## 9.20 AOC 666

AOC 666 is the area around a UST (NS-45) which supplies fuel oil to the adjacent heating plant (NS-44). The exact capacity of the UST is unknown. The site was constructed in 1958 and the surrounding area was an airstrip prior to that date. AOC 666 is approximately 10 feet by 30 feet, surrounded by railroad ties. Soil and groundwater sampling were completed at AOC 666 to determine the presence or absence of contamination resulting from fuel oil storage and dispensing from the UST or other releases at the site.

Arsenic, vanadium, Aroclor-1260, N-nitroso-di-n-propylamine, and BEQs were identified as COCs in surface soil at AOC 666.

BEQs were present in soil samples collected at AOC 666 at concentrations which resulted in their identification as site COCs. The concentration of these compounds, when equated to BAP, exceeded the RBSL for BAP. BEQs were detected at two soil boring locations at AOC 666. A BEQ concentration of 214  $\mu\text{g}/\text{kg}$  was present in the upper-interval sample from 666SB001. At sample location 666SB002 BEQ concentrations of 1,469  $\mu\text{g}/\text{kg}$  and 1,750  $\mu\text{g}/\text{kg}$  were present in the upper and lower-interval samples, respectively. Both soil sample locations with BEQ detections are on the eastern edge of the current sampling pattern.

N-nitroso-di-n-propylamine was only detected in the upper-interval at soil boring 666SB007. This sample location is on the north corner of the current sampling pattern.

Aroclor-1260 was detected in one soil sample (666SB005) collected at AOC 666. The concentration of Aroclor-1260 in this sample (88.4  $\mu\text{g}/\text{kg}$ ) was only slightly above the RBSL (83  $\mu\text{g}/\text{kg}$ ).

Arsenic was detected at RBSL/UTL-exceeding concentrations at two AOC 666 surface soil sample locations (666SB002 and 666SB004). Both sample locations are on the edge of the

current sampling pattern. Arsenic was detected in three second-interval samples; however, the concentration of arsenic in these samples was less than the RBSL and interval-specific UTL.

Vanadium was detected at RBSL/UTL-exceeding concentrations at four of seven soil boring locations. The highest detected vanadium concentration was at soil boring location 666SB007. Vanadium was detected in six second-interval soil samples. The vanadium detection in the second-interval sample at 666SB007 exceeded the RBSL and interval-specific UTL. The vanadium detection in the second-interval sample at 666SB005 exceeded the RBSL but not the interval-specific UTL. All other second-interval vanadium detections were less than the RBSL and interval-specific UTL.

At AOC 666, the total soil pathway risk for site residents and site workers was calculated as  $1E-4$  and  $2E-5$ , respectively. The child hazard index computed for soil pathways was 2. The hazard indices for adult residents and site workers were below 0.3. The primary contributors to surface soil risk were BEQs, N-nitroso-di-n-propylamine, and arsenic. The only other significant contributor was Aroclor-1260. Table 9.20 summarizes human health risk assessment results.

Figure 9.37 illustrates the distribution of risk in surface soil considering a residential scenario at AOC 666. Soil samples collected from locations 666SB004 and 666SB002 resulted in the identification of risk above  $1E-4$ . Sample locations 666SB001 and 666SB005 produced samples which identified presence of risk in the range of  $1E-5$  to  $1E-4$ . Risk identified at the remaining sample locations was below  $1E-5$ .

Figure 9.38 illustrates the distribution of risk in surface soil considering an industrial scenario at AOC 666. An area in the central portion of the sampled area exhibits risk in the range of  $1E-5$  to  $1E-4$ . The remainder of the site exhibits risk below  $1E-5$ .

Figure 9.39 illustrates the distribution of hazard in surface soil considering a residential scenario at AOC 666. Sample location 666SB004 presented the most significant hazard (HI between 3.0 and 10.0). Sample location 666SB002 was the only other location exhibiting hazard above a HI of 1.0.

Due to lack of significant hazard identified in the industrial scenario at AOC 666, no industrial hazard map was prepared.

TPH contamination was present at concentrations exceeding the screening levels in the vicinity of the UST at AOC 666. The highest TPH detections were in the lower-interval samples at 666SB002 (16,000 mg/kg) and 666SB004 (2,100 mg/kg).

No ecological risk is anticipated for AOC 666 due to the lack of suitable habitat, and lack of ecological receptors.

AOC 666 surface soil is recommended for inclusion in the CMS process on the basis of projected resident and site worker risk, child resident hazard, and TPH concentrations.

No fate and transport concerns were identified for AOC 666.

The total shallow groundwater pathway risk for site residents and site workers were calculated as  $7E-5$  and  $2E-5$ , respectively. No hazard indices were computed for the groundwater pathways. The primary contributors to shallow groundwater risk were chloromethane and vinyl chloride. Both were detected exclusively in one first-quarter shallow groundwater sample (NBCH666001). AOC 666 shallow groundwater is recommended for inclusion in the CMS process on the basis of projected resident and worker risk. Because neither shallow groundwater COC was detected in second-quarter groundwater samples, uncertainty remains regarding the potential chronicity of exposure through shallow groundwater pathways. Consideration of third

and fourth-quarter results will confirm or refute the presence of chloromethane and vinyl chloride in shallow groundwater. This review will facilitate responsible and sound risk management decisions.

**Table 9.20**  
**Zone H Conclusion Summary**  
**AOC 666**

	<b>Unacceptable Risks for Human Health in Residential Scenario (Y/N)</b>	<b>Chemicals Driving Risk</b>
Surface Soil	Yes, ILCR 1E-4, HI=2	BEQ, N-nitroso-di-n-propylamine, As, Aroclor-1260, V
Shallow Groundwater	Yes, ILCR 7E-5	Vinyl chloride, chloromethane
Deep Groundwater	NA	NA
	<b>Above Levels of Concern (Y/N)</b>	<b>Total TEQ (ppb)</b>
Dioxin in Surface Soil	No	5.42 pg/g 2,3,7,8-TCDD equivalents
Dioxin in Shallow Groundwater	No	NA
Dioxin in Deep Groundwater	NA	NA
	<b>TPH Present at Concentrations &gt;100 ppm (Y/N)</b>	<b>Maximum Detected Concentration (ppm)</b>
Soil	Y	16,000

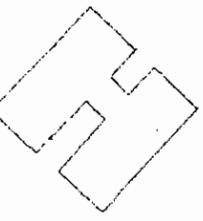
**Note:**  
 NA = Not Applicable

ZONE H BOUNDARY

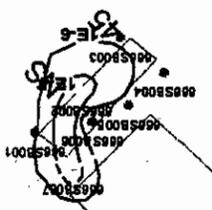
1790

1878

1885



G0HSB028

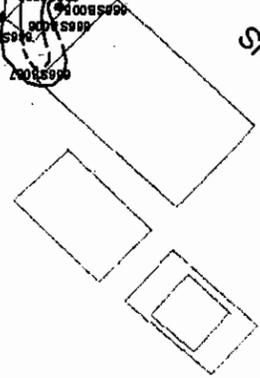


44

NS

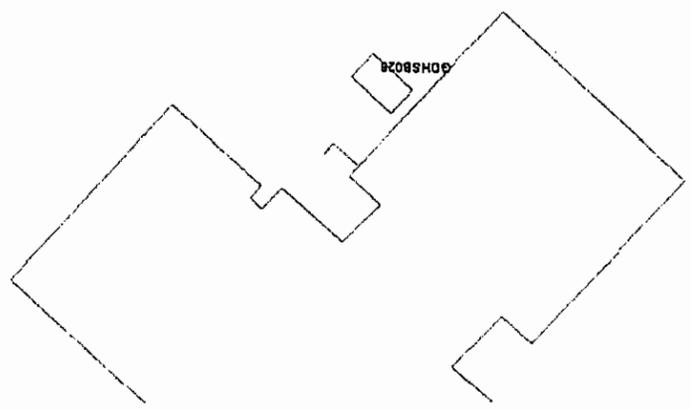
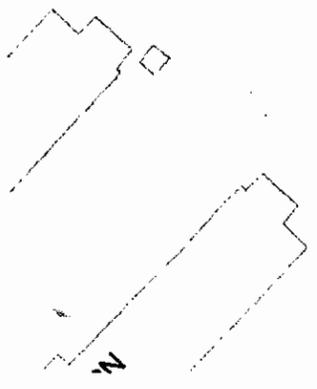
1786

1721



G0HSB024

G0HSB027



**10.1 AOC 671, Metering House, (Former Building 3905G)**

AOC 671 is a former metering house, Building 3905G, and two associated 25,000-gallon concrete USTs. The metering house and tanks were constructed in 1944 and used to store aviation gasoline until 1966. The area is currently an unused asphalt parking lot between Piers Q and R. Two raised circular areas in the asphalt are thought to represent the locations of the USTs. The lack of information documenting removal of these USTs and the surface expression suggest that the USTs are still in place. A concrete foundation along Hobson Avenue is all that remains of Building 3905G. No previous investigations or remedial actions have been documented for AOC 671.

Materials of concern identified in the approved final RFI work plan include VOCs, petroleum hydrocarbons, and heavy metals. Potential receptors include current or future site workers who may be involved in invasive activities that might bring them in direct contact with subsurface contaminants. The ecology of the Cooper River is also a potential receptor.

To fulfill the CSI objectives and confirm the presence of any contamination from onsite activities, soil and groundwater were sampled in accordance with the final RFI work plan and Section 3 of this report. In addition to the proposed soil samples, two additional borings were advanced to help define the extent of PCBs/pesticides in site soils.

**10.1.1 Soil Sampling and Analysis**

Soil was sampled in two rounds at AOC 671 at locations shown on Figure 10.1.1. The final RFI work plan proposed advancing eight soil borings during the initial sampling and collecting samples from both the upper and lower-intervals. Eight proposed upper-interval samples and seven of the eight proposed lower-interval samples were collected. The lower-interval sample from location 671SB003 was not collected because the water table was encountered at less than 5 feet bgs. All first-round samples were analyzed at DQO Level III for VOCs, SVOCs, pesticides/PCBs, cyanide,



COOPER RIVER

CONCRETE

GRASS

ASPHALT

67ISB010

GDI017

GDISB017

GDI17D

67ISB009

67ISB002

67I002

67ISB008

67I001

67ISB001

67I003

67ISB003

67ISB007

67ISB006

CONCRETE METERING  
HOUSE FOUNDATION

67ISB005

67ISB004

67I004

HOBSON AVENUE

**LEGEND:**

67ISB007 ● SOIL SAMPLE W/ ID NUMBER

GDI017 ▲ SHALLOW MONITORING WELL W/  
ID NUMBER

GDI17D ● DEEP MONITORING WELL W/  
ID NUMBER

50 0 50

SCALE

FEET



ZONE I  
RCRA FACILITY  
INVESTIGATION REPORT  
NAVAL BASE CHARLESTON  
CHARLESTON, SC

FIGURE 10.1.1  
AOC 671  
SAMPLING LOCATIONS

DWG DATE: 02/12/99

DWG NAME: 2909G010

**Groundwater**

Of the CPSSs screened and eliminated from formal assessment, none was reported at concentrations within 10% of its RBC.

**10.1.6.7 Risk Summary**

The risk and hazard posed by contaminants at AOC 671 were assessed for the future site worker and the future site resident under reasonable maximum exposure assumptions. In surface soils, the incidental ingestion and dermal contact pathways were assessed in this HHRA. The ingestion pathway was assessed for groundwater. Table 10.1.22 summarizes risk for each pathway/receptor group evaluated for AOC 671.

**Soil – Residential Scenario**

The residential soil pathway COCs identified for AOC 671 are BEQs. Figures 10.1.13 and 10.1.14 illustrate point risk and hazard estimates for AOC 671 based on surface soil exposure pathways under a future residential scenario. Table 10.1.23 summarizes the risk and hazard contribution of each COPC at each sample location. This point risk map (Figure 10.10.13) is based on the unlikely assumption that a potential future site resident will be chronically exposed to specific points. Exposure to surface soil conditions is more likely the result of uniform exposure to the soil conditions of the entire site (or exposure unit area) rather than specific points. With this in mind, risk maps supplemented by the tables are useful because they allow the reader to visualize how chemicals driving risk estimates are spatially distributed across the site.

Only one sample location yielded ILCRs that were greater than 1E-06 (671002). Benzo(a)pyrene equivalents were the primary contributors to risk at 671002 while n-nitroso-di-n-propylamine was a secondary contributor. Noncarcinogenic COCs were not identified for surface soils at AOC 671; therefore, HIs were not calculated.

### Soil – Site Worker Scenario

No COCs were identified for the site worker soil pathway scenario. Figure 10.1.15 illustrates point risk estimates for AOC 671 based on soil exposure pathways under a future site worker scenario. Table 10.1.24 summarizes the risk and hazard contribution of each COPC at each sample location.

Only one sample location yielded an ILCR greater than 1E-06 (671002). Benzo(a)pyrene equivalents were the primary contributor to risk at 671002, while n-nitroso-di-n-propylamine was a secondary contributor. Noncarcinogenic COCs were not identified in surface soils at AOC 671; therefore HIs were not calculated.

### Groundwater – Residential Scenario

Arsenic, manganese, mercury, and thallium were identified as groundwater pathway COCs. As shown in Table 10.1.25 and Figure 10.1.16, arsenic was the sole contributor to risk projections for AOC 671 groundwater pathways. Risk estimates ranged from 2E-04 (67100402) to 9E-04 (67100302), with a mean ILCR of 3E-04. Arsenic, manganese, mercury and thallium were the primary contributors to HI projections. Figure 10.1.17 illustrates point hazard estimates for groundwater for the residential scenario. Hazard estimates ranged from 0.7 (67100203) to 23 (67100304), with a mean hazard index of 5.

### Groundwater – Industrial Scenario

Arsenic, mercury, manganese, and thallium were identified as groundwater pathway COCs. As shown in Table 10.1.26 and Figure 10.1.18, arsenic was the sole contributor to risk projections for AOC 671 groundwater. Risk estimates ranged from 1E-04 (67100402) to 4E-04 (67100302), with a mean ILCR of 1E-04. Arsenic, manganese, mercury, and thallium were the primary contributors to HI projections. Figure 10.1.19 illustrates point hazard estimates for groundwater for the industrial scenario. Hazard estimates ranged from 0.5 (67100203) to 7 (67100304), with a mean hazard index of 2.

**10.3 AOC 675, Fuel Oil Storage, (Facility NS-4); AOC 676, Former Incinerator (Building NS-2); and AOC 677, Grounds, (Building NS-2)**

AOC 675 is a 25,000-gallon UST (Facility NS-4), installed in 1952. A 495-gallon oil/water separator is located north of this UST. This UST stored fuel oil for a boiler house (Building NS-2) built in 1958. No. 5 fuel oil was used until 1991; from 1991 on, the UST stored cleaner-burning No. 2 fuel oil. The AOC 675 area was also used to refuel seaplanes, and petroleum contamination may have resulted from this activity. Actual dates of seaplane operations are unknown, but this activity was discontinued in the mid 1950s.

Former UST NS2A was an unregulated 560 gallon underground waste oil holding tank for an oil/water separator. It was located in a grass covered patch of ground between Buildings NS 2 and NS 3. This tank was closed by removal in April 1996. During removal it was noted that the tank was intact with no holes or pitting. The oil/water separator which was associated with the waste oil UST and is currently identified as NS 2A is located immediately east of the former waste oil UST. The oil/waste separator was left in place and its lines were plugged and capped.

Former UST NS 3-1 was a 280 gallon waste oil holding tank and oil/water separator located just north of Building NS 3. Building NS 3 is a former fuel pumping transfer station located just west of NS 4. The fuel transfer area was diked and sloped towards a storm drain in the east corner. The storm drain was connected to the storm sewer by two sets of valves and piping. The valves directed the storm water runoff directly to the storm sewer during normal operations or through the oil/water separator to the storm sewer in the event of a spill in the fuel transfer area.

AOC 676 is the location of a former incinerator which operated near the current location of Building NS-2. The incinerator was used during the 1940s; it is shown on base maps from 1947 to 1955. No records exist concerning its design, operation, or demolition. The materials burned

in the incinerator are unknown but may have included flammable hazardous materials (paints, solvents, and waste oils), as well as paper, wood, and general trash.

AOC 677 consists of the grounds surrounding Building NS-2, a boiler house. The facility was built in 1958; in 1977, the boilers were replaced with newer ones. There is a documented history of fuel oil spills at this site, ranging in size from 3 to 500 gallons. Fuel for the boilers were stored in the nearby 25,000-gallon UST at Facility NS-4 (AOC 675) as described above. Prior to 1979 the sump pump for the boilers discharged to the base storm sewer system. After 1979, the sump pump discharged to the sanitary sewer system via an oil/water separator. In 1990, the boilers at were connected to the basewide steam system to provide backup power for the central power plant.

Materials of concern at AOCs 675 and 677 include residual fuel, diesel fuel, aviation gasoline, and lead as an additive in the fuel. Materials of concern at AOC 676 include ash potentially high in metals, and petroleum products. Potential receptors include future users involved in invasive and noninvasive activities. The ecology of the Cooper River is also a potential receptor.

To fulfill CSI objectives for AOCs 675 and 676, and RFI objectives for AOC 677, soil, sediment, and groundwater were sampled in accordance with the approved final RFI work plan and Section 3 of this report.

### **10.3.1 Soil Sampling and Analysis**

Soil was sampled in one round at the combined AOCs from the locations shown on Figure 10.3.1. The approved final RFI work plan proposed 13 soil borings, with samples collected from the upper- and lower-intervals. During the first round field investigation, 14 soil borings were advanced. Upper-interval samples were collected at all borings; however, only eight lower-interval samples were collected

***Groundwater***

Of the CPSSs screened and eliminated from formal assessment, arsenic and manganese were reported at concentrations exceeding their corresponding RBCs but well below their background concentrations.

Groundwater is not currently used as a potable water source at the combined AOCs or in the surrounding area. Municipal water is readily available. It is highly unlikely that the site will be developed as a residential area or that a potable-use well would be installed onsite. If residences were constructed onsite and an unfiltered well were installed, the salinity and dissolved solids would likely preclude this aquifer from being an acceptable potable water source.

**Background-Related Risk**

***Soil***

Aluminum and arsenic were detected in surface soil at concentrations above their respective RBCs. These elements were eliminated from consideration in the risk assessment based on comparison to background values. It is not unusual for naturally occurring or background concentrations of some elements to exceed risk-based concentrations. The following addresses risk/hazard associated with background concentrations of aluminum and arsenic.

The maximum surface soil concentration of aluminum (11,800 mg/kg) for the combined AOCs equates with hazard quotients of 0.2 and 0.01 for the resident child and site worker, respectively. The background value for aluminum (27,400 mg/kg) results in hazard quotients of 0.4 and 0.02 for the resident child and site worker, respectively. The maximum surface soil concentration of arsenic (5.4 mg/kg) and equates with ILCRs of 1E-05 and 2E-06 for the residential and site worker scenarios, respectively, equates with hazard quotients of 0.3 and 0.01 for the resident child and site worker, respectively. The background value for arsenic (21.6 mg/kg) equates with ILCRs

of 6E-05 and 8E-06 and hazard quotients of 0.1 and 0.05 for the resident and site worker scenarios, respectively.

### **Groundwater**

Arsenic and manganese were detected in groundwater samples at concentrations exceeding their respective RBCs. These inorganics were eliminated from consideration in the risk assessment based on comparison to background values. The following addresses the risk/hazard associated with background concentrations of arsenic and manganese.

The maximum groundwater concentration of arsenic (7.1  $\mu\text{g/L}$ ) for the combined AOCs equates with ILCRs of 2E-04 and 7E-05 and hazard quotients of 2 and 0.5 for the resident child and site worker, respectively. The background value for arsenic (23  $\mu\text{g/L}$ ) equates with ILCRs of 5E-04 and 2E-04 and hazard quotients of 5 and 2, respectively, for the resident child and site worker. The maximum reported concentration of manganese (1,690  $\mu\text{g/L}$ ) yielded hazard quotients of 2 and 1 for the resident and site worker scenarios, respectively. Hazard quotients resulting from the background value for manganese (5,430  $\mu\text{g/L}$ ) were 7 and 5 for the residential child and site worker, respectively.

#### **10.3.8.7 Risk Summary**

The risk and hazard posed by contaminants at the combined AOCs were assessed for the future site worker and future site resident under reasonable maximum exposure assumptions. This HHRA assessed the incidental ingestion and dermal contact pathways for surface soils. The ingestion pathway was evaluated for shallow groundwater, based on four quarters of groundwater monitoring data. Table 10.3.28 presents the risk summary for each pathway/receptor group evaluated.

**Soil – Residential Scenario**

No residential soil pathway COCs were identified.

**Soil – Site Worker Scenario**

No industrial soil pathway COCs were identified.

**Groundwater – Residential Scenario**

Dimethoate and thallium were identified as groundwater pathway COCs. Table 10.3.29 provides point hazard estimates for the combined AOCs groundwater. As shown, thallium was the primary contributor to hazard estimates. Figure 10.3.8 shows point hazard estimates for groundwater for the residential scenario. Hazard estimates ranged from 0.02 (67500101) to 4 (67700204), with a mean hazard index of 0.3.

**Groundwater – Industrial Scenario**

No COCs were identified for groundwater based on the site worker scenario.

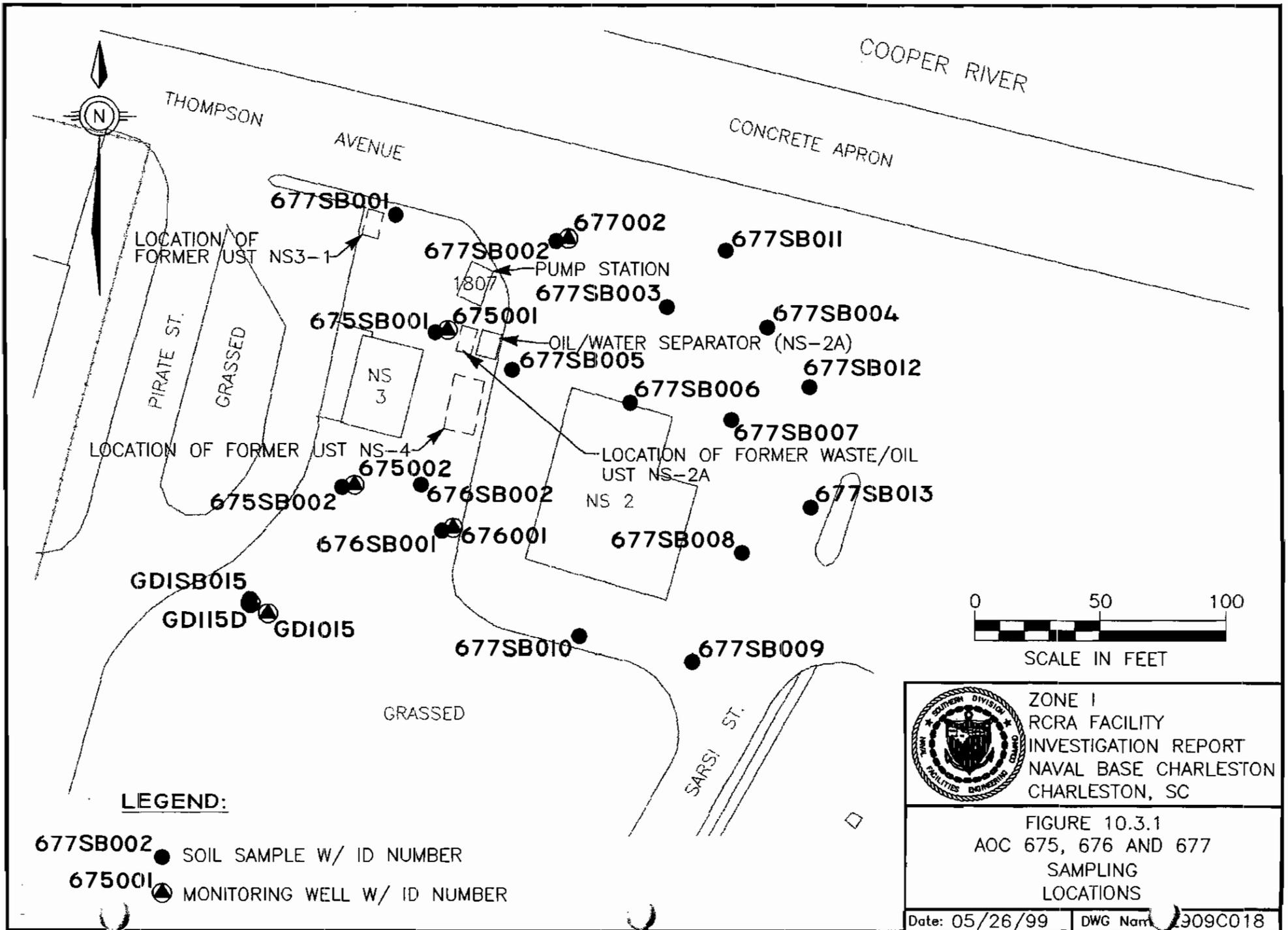
**10.3.8.8 Remedial Goal Options**

**Soil**

No RGOs were computed for the combined AOCs surface soil, as no COCs were identified.

**Groundwater**

Groundwater RGOs based on the site resident scenario are shown in Table 10.3.30.



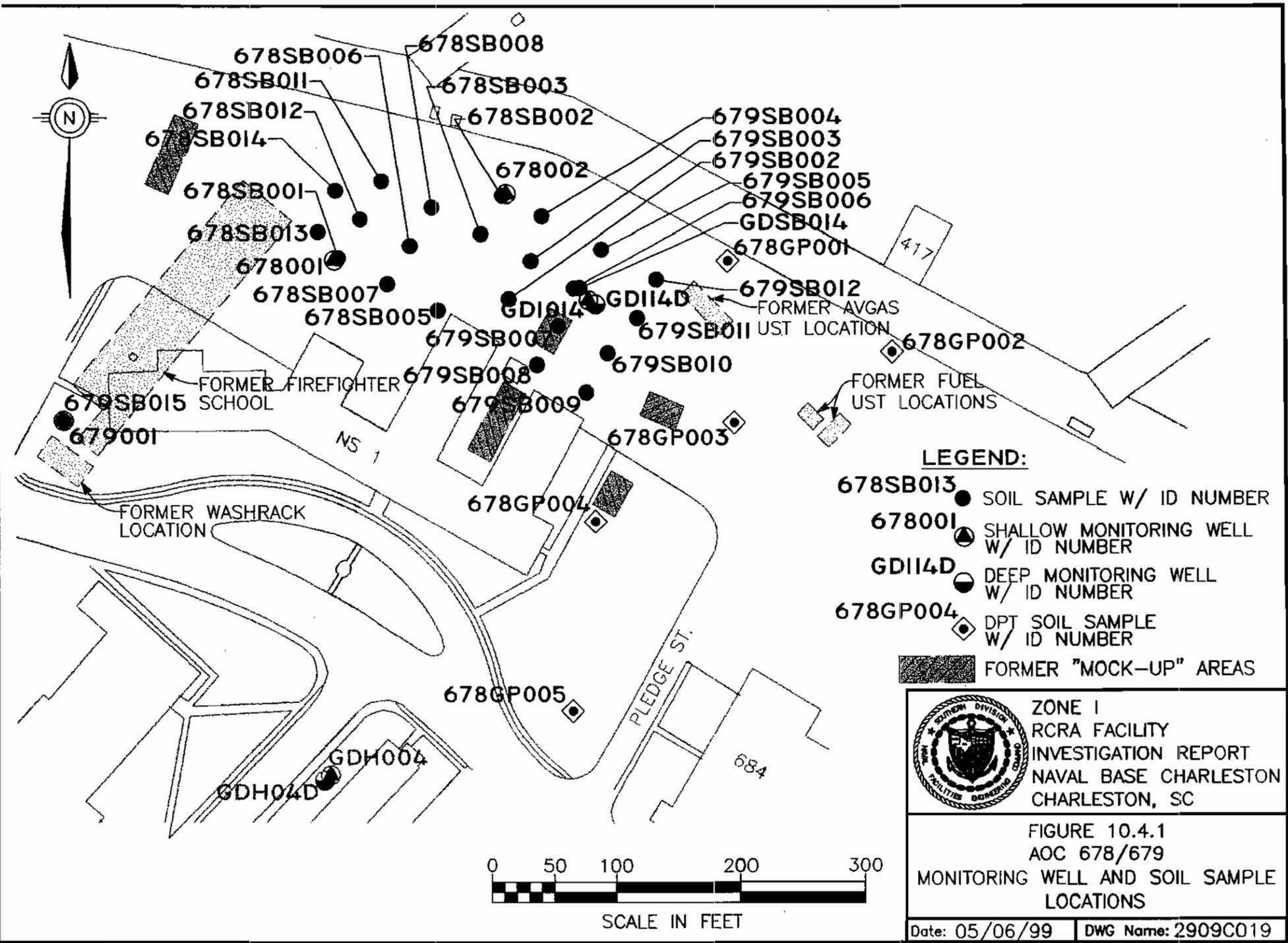
**10.4 AOCs 678, Firefighter School, Former Building 2-V, and AOC 679, Former Wash Rack**

AOC 678 is the former site of Building 2-V, the Firefighter School, northeast of Building NS-1 in the northeastern portion of the southern peninsula. The firefighting school was reportedly constructed in 1947 and demolished circa 1955. Controlled fires may have been ignited and extinguished onsite for firefighter training. No other details regarding the design features or operating practices were available. Currently, the area is a paved parking lot.

AOC 679 consists of a former wash rack noted on early CNC maps from the 1930s and 1940s. This former wash rack was located off the west edge of Building NS-1. No information is available regarding the design features, years of operation, or operating practices for the wash rack. It is assumed that activities at this unit included washing or cleaning of equipment in an external wash area.

Materials of concern at AOC 678/679 include petroleum hydrocarbons, VOCs, used oil, and grease. Currently, the paved parking lot is rarely used, therefore, potential receptors include workers that may be involved in invasive activities at the site. The ecology of the Cooper River is also a potential receptor.

Soil and groundwater were sampled in accordance with the *Final Zone I RFI Work Plan*, (E/A&H, February 1995) and Section 3 of this report to fulfill CSI objectives. In March 1999, five geoprobe samples were collected on the eastern edge of AOC 678/679 at areas that were thought to correspond to former locations of "mock ups" for the old firefighter training area. An additional well/boring was located in the area of the former wash rack on September 1998.



**LEGEND:**

- 678SB013 ● SOIL SAMPLE W/ ID NUMBER
- 678001 ● SHALLOW MONITORING WELL W/ ID NUMBER
- GDH04D ● DEEP MONITORING WELL W/ ID NUMBER
- 678GP004 ◊ DPT SOIL SAMPLE W/ ID NUMBER
- FORMER "MOCK-UP" AREAS



ZONE I  
RCRA FACILITY  
INVESTIGATION REPORT  
NAVAL BASE CHARLESTON  
CHARLESTON, SC

FIGURE 10.4.1  
AOC 678/679  
MONITORING WELL AND SOIL SAMPLE  
LOCATIONS



concentration of arsenic equates with HQs of 0.34 and 0.02 for the residential child and site worker, respectively. The background value for arsenic (21.6 mg/kg) equates with ILCRs of 5.6E-05 and 8E-06, and HQs of 0.99 and 0.05 for the residential and site worker scenarios, respectively.

#### ***Groundwater***

Arsenic and manganese were detected in combined AOC 678/679 groundwater above their respective tap water RBCs. These elements were not considered in the risk assessment based on comparison to background concentrations. The following is a discussion of the residential scenario risk/hazard associated with background concentrations of arsenic and manganese.

The background shallow groundwater concentration for arsenic (23  $\mu\text{g/L}$ ) which is below the MCL, equates with an ILCR of 5E-04 (based on the adult and child lifetime weighted average) and 2E-04 for the site worker and HQs of 5 and 1.5 for the residential child and site worker, respectively. The maximum reported concentration of arsenic (11.6  $\mu\text{g/L}$ ) equates with an ILCR of 3E-04 based on child and an ILCR of 1E-04 for the site worker. The maximum reported concentration of arsenic also equates with HQs of 2.5 and 0.8 for the residential child and site worker, respectively. The background shallow groundwater concentration of manganese (5,430  $\mu\text{g/L}$ ) equates with HQs of 6 and 5 for the resident child and site worker, respectively. The maximum reported concentration of manganese (664  $\mu\text{g/L}$ ) yielded HQs of 0.8 and 0.6 for the residential and site worker scenarios, respectively. There were no COPCs identified for combined AOC 678/679 shallow groundwater.

#### **10.4.6.7 Risk Summary**

The risk and hazard posed by contaminants at combined AOC 678/679 were assessed for the hypothetical future site worker and the hypothetical future site resident under reasonable maximum exposure assumptions. In surface soils, the incidental ingestion and dermal contact pathways were

assessed in this HHRA. The groundwater pathway was not assessed since there were no COPCs identified. Table 10.4.21 presents the risk summary for each pathway/receptor group evaluated for combined AOC 678/679.

#### **Soil — Residential Scenario**

The residential soil pathway COC identified for combined AOC 678/679 is isodrin. Figures 10.4.9 and 10.4.10 illustrate point risk and hazard estimates for combined AOC 678/679 based on surface soil exposure pathways under a future residential scenario. Table 10.4.22 summarizes the risk and hazard contribution of each COC at each sample location. This point risk map is based on the unlikely assumption that a potential future site resident will be chronically exposed to specific points. Exposure to surface soil conditions is more likely the result of uniform exposure to the soil conditions of the entire site (or exposure unit area) rather than specific points. With this in mind, risk maps supplemented by the tables are useful in that they allow the reader to visualize how chemicals driving risk estimates are spatially distributed across the site.

Only two sample locations yielded ILCRs that were greater than 1E-06 (678SB003 and 678SB008). Benzo(a)pyrene equivalents were the primary contributors to risk at these locations. Risk estimates at combined AOC 678 ranged from 6E-07 at 679SB015 to 4E-06 at 678SB003 with a mean risk estimate of 4E-07.

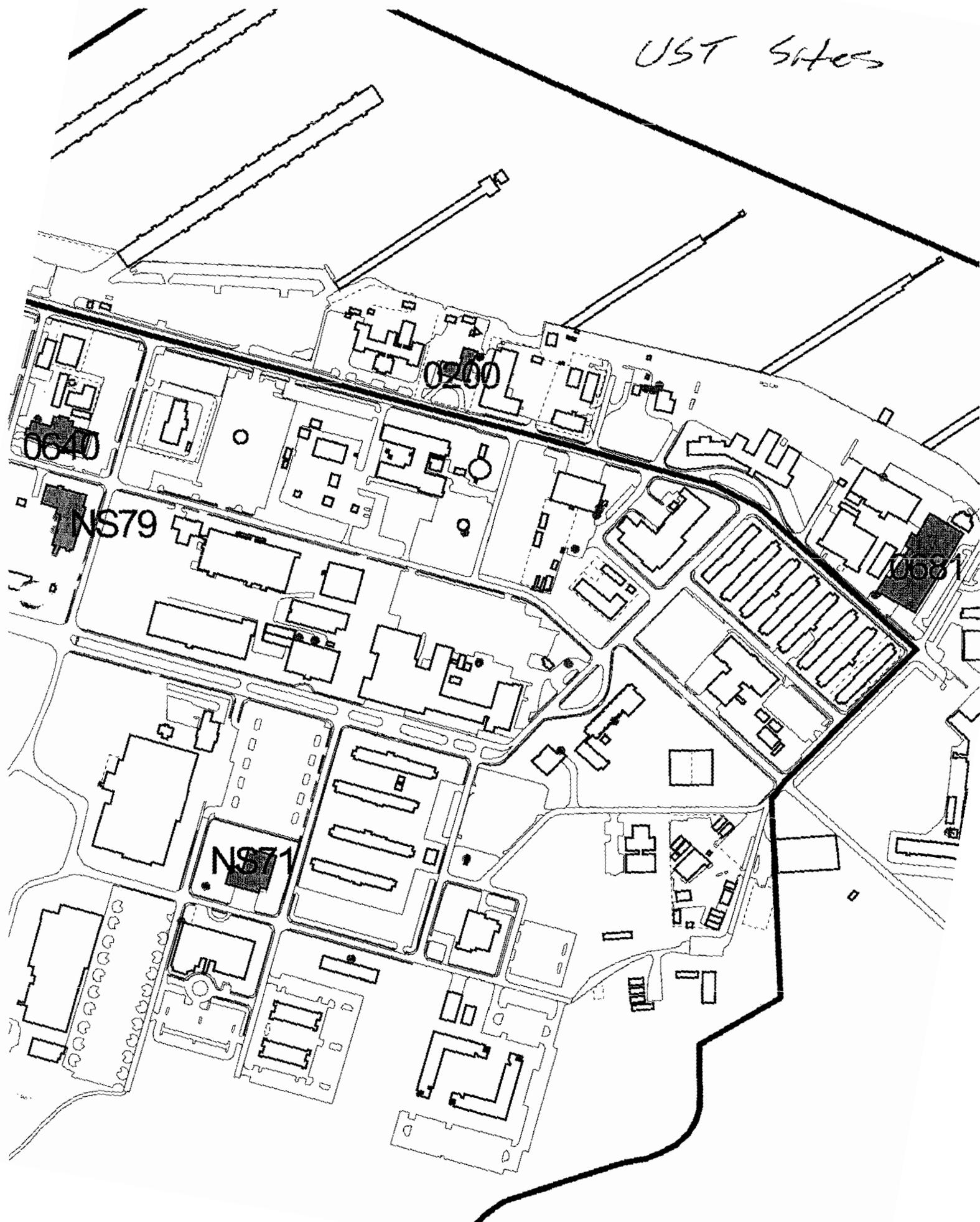
#### **Soil — Future Site Worker Scenario**

No industrial soil pathway COCs were identified for combined AOC 678/679.

#### **Groundwater — Residential Scenario**

There were no COPCs identified for combined AOC 678/679 groundwater.

UST Sites



# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> Bldg. 646 & NS-1	<b>Contractor:</b> SCE&G	<b>Date:</b> 1/8/02
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**Has the proposed work been staked out?**  Yes  No

**Facility/ Work involved (Please check below)**

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____ <input type="checkbox"/>	
Overhead Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)  
**Please see attached SCE & G letter a drawings to extend the 2" Dyess Avenue main 275 LF and install 1-1/8" services to Bldgs. 646 & NS-1.**

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> ASAP	<b>Termination Date of Permit:</b> 4/1/02
<b>Signature of Requesting Official:</b> 	<b>Date:</b> 1/8/02 <b>Phone Number:</b> 843-747-0010

### Caretaker Site Office Review

<p><b>Points of Contact:</b>  <b>CPW :</b> Robert Sagasser                  (work) 529-0653                  (page) 570-0390</p> <p><b>SCE&amp;G:</b> R.W. Smith                  (work) 745-6381</p> <p><b>RDA:</b> Gene Krisley                  Sewer POC:                  (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>RDA</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (<u>TBD(?)</u>)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (<u>678</u>)</li> <li>5. Has DHEC been notified? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? (See Attached Map)</li> <li>11. What is the serial # of forwarding letter to RDA? <u>005</u></li> </ol>
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**Permit Approved?**  Yes  No

<b>CSO Authorizing Signature:</b> <u>Amy Daniel 1/9/02</u>	<b>Date out:</b> <u>1-17-02</u>
<b>CH2MHILL/J.A. Jones Signature:</b> <u>[Signature] 1-17-02</u>	
<b>BEC Signature:</b> <u>M.A. Hunt 1/17/02</u>	<b>Serial Number:</b> <u>052</u>
<b>CSO Officer Signature:</b> <u>Thomas F. Freulli 1-17-02</u>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 052

Request Date = 8 January 2002

Comments Date = 17 January 2002

Location = Dyess Ave to Bldg. 646 & Pledge St. to Bldg. NS-1

### Environmental Review Comments

This project proposes the following: (a) to install gas service lines

The Navy has identified that in this area a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site, the CSO should be notified prior to disposal for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

## CH2M-JONES, LLC

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January 16, 2002

To: Charleston Caretaker Site Office (CSO)  
From: CH2M-JONES, LLC

Subject: DIG PERMIT FOR GAS MAIN EXTENSION, PERMIT NUMBER 052

CH2M-JONES, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 053, and identified that the proposed work areas are within or adjacent to Area of Concern (AOC) 679. CH2M-JONES, LLC has included selected hard copies obtained from the RCRA Facility Investigation (RFI) Report dated March 1, 1999. Should the reviewer require additional information, the RFI Report is of public record and should be utilized as necessary.

Site Summary:

AOC 679 – AOC 679 was a former wash rack noted on CNC maps from the 1930s to the 1940s. No information is available concerning the years of operation or practices associated with the wash rack

Isodrin was the only soil pathway contaminate of concern identified (residential scenario). There were no contaminants of concern identified for a site worker scenario (industrial).

Respectfully,  
CH2M-JONES, LLC



Jed Heames  
Site Superintendent

**10.4 AOCs 678, Firefighter School, Former Building 2-V, and AOC 679, Former Wash Rack**

AOC 678 is the former site of Building 2-V, the Firefighter School, northeast of Building NS-1 in the northeastern portion of the southern peninsula. The firefighting school was reportedly constructed in 1947 and demolished circa 1955. Controlled fires may have been ignited and extinguished onsite for firefighter training. No other details regarding the design features or operating practices were available. Currently, the area is a paved parking lot.

AOC 679 consists of a former wash rack noted on early CNC maps from the 1930s and 1940s. This former wash rack was located off the west edge of Building NS-1. No information is available regarding the design features, years of operation, or operating practices for the wash rack. It is assumed that activities at this unit included washing or cleaning of equipment in an external wash area.

Materials of concern at AOC 678/679 include petroleum hydrocarbons, VOCs, used oil, and grease. Currently, the paved parking lot is rarely used, therefore, potential receptors include workers that may be involved in invasive activities at the site. The ecology of the Cooper River is also a potential receptor.

Soil and groundwater were sampled in accordance with the *Final Zone I RFI Work Plan*, (E/A&H, February 1995) and Section 3 of this report to fulfill CSI objectives. In March 1999, five geoprobe samples were collected on the eastern edge of AOC 678/679 at areas that were thought to correspond to former locations of "mock ups" for the old firefighter training area. An additional well/boring was located in the area of the former wash rack on September 1998.

compared to the 30 year assumption for RME. The CT exposure frequency assumption is 234 days/year compared to 350 days/year RME. If all other exposure assumptions remain fixed, application of the CT exposure duration and frequency would result in risk projections 80% below the RME. At CT, the residential surface soil pathway related risk (incidental ingestion and dermal contact) would fall below the 1E-06 point of departure.

Current base reuse plans call for conversion of the area to a marine cargo terminal. Both the future worker and residential exposure scenarios were assessed in this HHRA. As previously discussed, it is likely that these scenarios would lead to overestimates of risk and/or hazard.

### ***Groundwater***

The same conservative screening process used for soil was also used for groundwater. Concentrations of arsenic and manganese exceeded their corresponding RBCs, but did not exceed their corresponding background reference concentrations. Therefore, they were eliminated from formal assessment based on comparisons to background reference concentrations.

### **Background-Related Risk**

#### ***Soil***

Arsenic was detected in combined AOC 678/679 surface soil above its respective RBC. This element was not considered in the risk assessment based on comparison to background concentrations. It is not unusual for naturally occurring or background concentrations of some elements to exceed risk-based concentrations. It is the risk assessment's function to identify excess risk or that which is above background levels. The following is a discussion of the residential scenario risk/hazard associated with background concentrations of arsenic.

The maximum surface soil concentration of arsenic (7.4 mg/kg) equates with ILCRs of 2E-05 and 3E-06 for the residential and site worker scenarios, respectively. The maximum reported

concentration of arsenic equates with HQs of 0.34 and 0.02 for the residential child and site worker, respectively. The background value for arsenic (21.6 mg/kg) equates with ILCRs of 5.6E-05 and 8E-06, and HQs of 0.99 and 0.05 for the residential and site worker scenarios, respectively.

#### *Groundwater*

Arsenic and manganese were detected in combined AOC 678/679 groundwater above their respective tap water RBCs. These elements were not considered in the risk assessment based on comparison to background concentrations. The following is a discussion of the residential scenario risk/hazard associated with background concentrations of arsenic and manganese.

The background shallow groundwater concentration for arsenic (23  $\mu\text{g/L}$ ) which is below the MCL, equates with an ILCR of 5E-04 (based on the adult and child lifetime weighted average) and 2E-04 for the site worker and HQs of 5 and 1.5 for the residential child and site worker, respectively. The maximum reported concentration of arsenic (11.6  $\mu\text{g/L}$ ) equates with an ILCR of 3E-04 based on child and an ILCR of 1E-04 for the site worker. The maximum reported concentration of arsenic also equates with HQs of 2.5 and 0.8 for the residential child and site worker, respectively. The background shallow groundwater concentration of manganese (5,430  $\mu\text{g/L}$ ) equates with HQs of 6 and 5 for the resident child and site worker, respectively. The maximum reported concentration of manganese (664  $\mu\text{g/L}$ ) yielded HQs of 0.8 and 0.6 for the residential and site worker scenarios, respectively. There were no COPCs identified for combined AOC 678/679 shallow groundwater.

#### **10.4.6.7 Risk Summary**

The risk and hazard posed by contaminants at combined AOC 678/679 were assessed for the hypothetical future site worker and the hypothetical future site resident under reasonable maximum exposure assumptions. In surface soils, the incidental ingestion and dermal contact pathways were

assessed in this HHRA. The groundwater pathway was not assessed since there were no COPCs identified. Table 10.4.21 presents the risk summary for each pathway/receptor group evaluated for combined AOC 678/679.

#### **Soil – Residential Scenario**

The residential soil pathway COC identified for combined AOC 678/679 is isodrin. Figures 10.4.9 and 10.4.10 illustrate point risk and hazard estimates for combined AOC 678/679 based on surface soil exposure pathways under a future residential scenario. Table 10.4.22 summarizes the risk and hazard contribution of each COC at each sample location. This point risk map is based on the unlikely assumption that a potential future site resident will be chronically exposed to specific points. Exposure to surface soil conditions is more likely the result of uniform exposure to the soil conditions of the entire site (or exposure unit area) rather than specific points. With this in mind, risk maps supplemented by the tables are useful in that they allow the reader to visualize how chemicals driving risk estimates are spatially distributed across the site.

Only two sample locations yielded ILCRs that were greater than 1E-06 (678SB003 and 678SB008). Benzo(a)pyrene equivalents were the primary contributors to risk at these locations. Risk estimates at combined AOC 678 ranged from 6E-07 at 679SB015 to 4E-06 at 678SB003 with a mean risk estimate of 4E-07.

#### **Soil – Future Site Worker Scenario**

No industrial soil pathway COCs were identified for combined AOC 678/679.

#### **Groundwater – Residential Scenario**

There were no COPCs identified for combined AOC 678/679 groundwater.

#### 10.4.6.8 Remedial Goal Options

##### *Soil*

RGOs for carcinogens were based on the lifetime weighted average site resident as presented in Table 10.4.23 for surface soils. Hazard-based RGOs were calculated based on the hypothetical child resident, as noted in the corresponding table. No site worker RGOs were calculated as no surface soil COCs were identified for this receptor group.

#### 10.4.7 Corrective Measures Considerations

Based on the analytical results and the human health risk assessment for AOC 678\679, COCs requiring further evaluation through the CMS process have been identified for surface soil. No COCs were identified for site groundwater. The site is currently in a moderately developed urban setting and risk to human health was evaluated under both the future residential and future industrial (site worker) scenarios. For these scenarios, the incidental ingestion and dermal contact exposure pathways were evaluated. Hazard was evaluated for noncarcinogenic contaminants through incidental ingestion and dermal contact scenarios as well.

As recommended by SCDHEC, a COC is considered to be any chemical contributing to a cumulative risk level of 1E-06 or greater and/or a cumulative hazard index above 1.0, and whose individual risk exceeds 1E-06 or whose hazard quotient exceeds 0.1.

Isodrin was identified as the only soil pathway COC for AOC 678/679. Table 10.4.24 presents cumulative and COC-specific exposure risks and hazard quotients.

Risk-based remedial goals for surface soil are presented in Table 10.4.23. Potential corrective measures for soil are presented in Table 10.4.25.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 180010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090  
Ser CSO/005  
17 January 2002

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: SCE&G REQUEST FOR GAS MAIN EXTENSION AND SERVICE  
INSTALLATION**

Your letter of 8 January forwarded a request from SCE&G to install natural gas service lines along Dyess Ave. to Bldg. 646 and along Pledge St. to Bldg. NS-1, for our consideration and approval. The work will be taking place at or near contaminated areas. In these areas, the Navy has identified a release of hazardous substances has occurred, but corrective actions have not been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO.

The enclosed digging permit is approved. For specific contaminants that may be encountered, please see the comments attached to the digging permit. Any soil excavated during this project shall be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions.

If you have any questions, please contact Amy Daniell at 743-9985.

Sincerely,

A handwritten signature in black ink that reads "Tom Fressilli". The signature is written in a cursive style with a large, sweeping initial "T".

Tom Fressilli  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

January 8, 2002

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

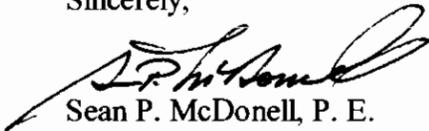
**Subject: SCE&G REQUEST FOR GAS MAIN EXTENSION AND SERVICE  
INSTALLATION**

Dear Tom:

We are forwarding a request from the gas operations division of SCE & G to install natural gas service to Buildings 646 and NS-1. This will require them to extend a 2" gas main along Dyess Avenue 275 LF and install a 1-1/8" service line to Bldg. 646. It will also require them to install a 1-1/8" gas service line from the Pledge Street main to Bldg. NS-1. Please see the attached drawings. We have attached a digging permit request to this letter.

Please provide us with your comments and contact me with any questions you have regarding this information.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures

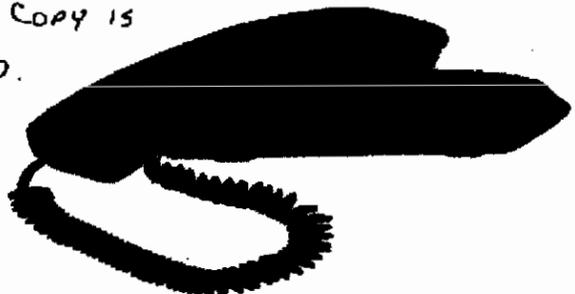


**CHARLESTON GAS OPERATIONS**  
**TELEPHONE (843) 576-8654**  
**FAX NUMBER (843) 576-8999**

TO: SEAN Mc DONELL  
 FROM: Jimmy Suit  
 DATE: 1-8-2002  
 PAGES: 7

COMMENTS: SEAN,  
 HERE IS THE LETTER WITH DRAWINGS FOR  
 FOR PROPOSED MAIN EXTENSION AND  
 SERVICES. A HARD COPY IS  
 ALSO BEING MAILED.

Jimmy





July 30, 2001

Mr. Sean McDonell  
1360 Truxton Ave.  
Charleston, S.C. 29405

RE: Request for installation of gas main and services..

Dear Mr. McDonell:

SCE&G is requesting permission to install natural gas facilities to serve two locations on the naval base: Bldg. 646 and Bldg. NS-1. For Bldg. 646, a 275' natural gas main extension starting on Dyess Ave. 400' SE of Holland Street will need to be installed and a gas service will also need to be installed to the building outside wall. For Bldg. NS-1, a natural gas service will be installed to the building outside wall. Enclosed you will find the proposed routing for each location.

If you have any questions, please call me at (843) 576-8225.

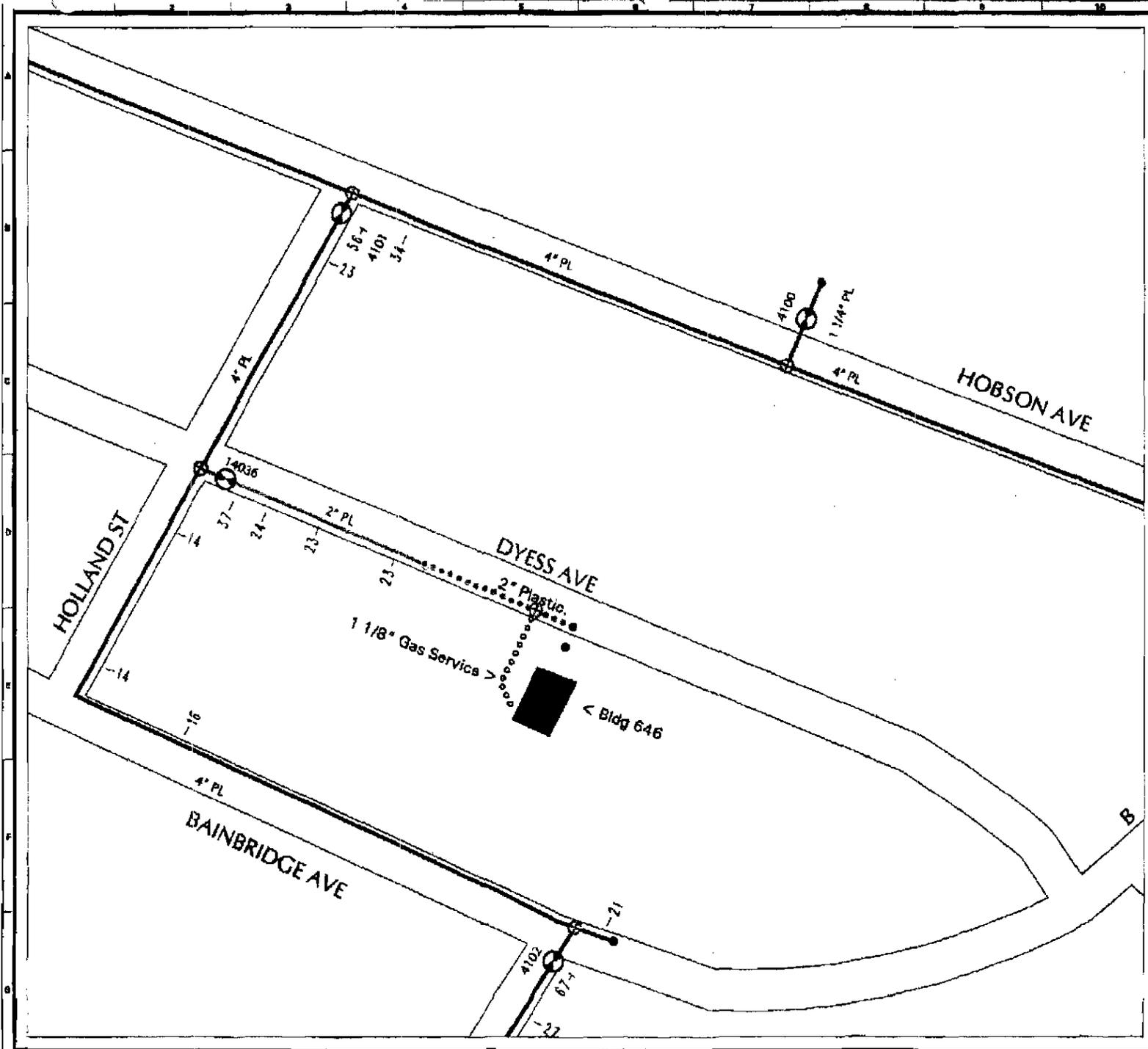
Sincerely,

A handwritten signature in cursive script that reads "Jimmy Suit".

Jimmy Suit  
Engineering Specialist II  
Charleston Gas Operations

JS/mc





JOB NAME:  
 WORK ORDER#:  
 TOWN:  
 COST CENTER:  
 PROJECT CODE:

---

CONTRACTOR:  
 FOREMAN:  
 INSPECTOR:  
 DATE STARTED:  
 DATE COMPLETED:  
 MAP SHEET:

---

INSTALLED MAIN  
 PLASTIC

SIZE:  
 PE:  
 SPEC:  
 SDR:  
 NEG:  
 TOTAL FOOTAGE PLASTIC:  
 TEST PRESSURE PLASTIC:  
 MOP:

---

MAOP:  
 STEEL

SIZE:  
 TYPE:  
 GRADE:  
 SPEC:  
 WALL:  
 COATING:  
 TOTAL FOOTAGE STEEL:  
 TEST PRESSURE STEEL:  
 MOP:

---

MAOP:  
 EXISTING MAIN:  
 SIZE:  
 MATERIAL:  
 MOP:  
 MAOP:

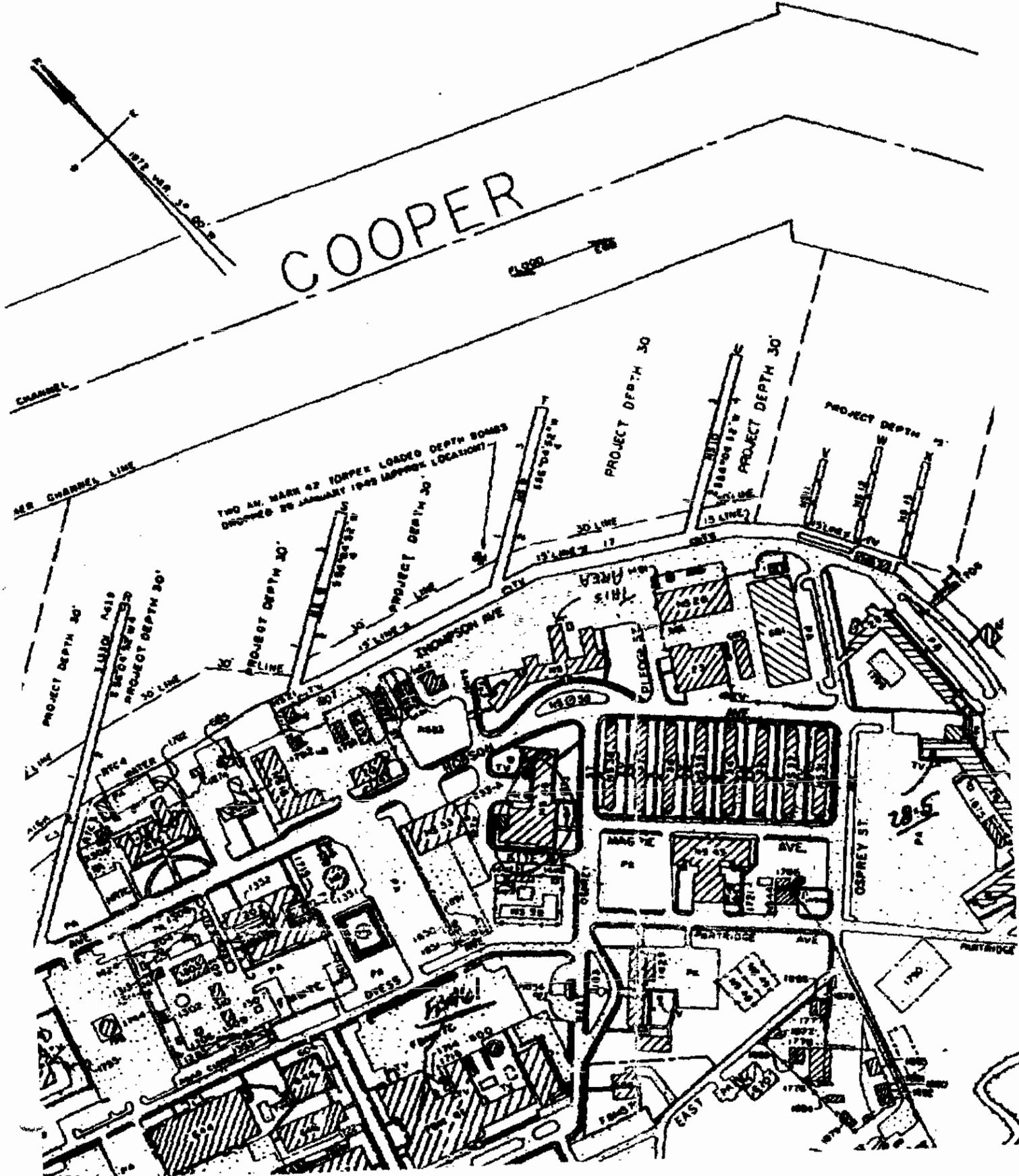
**SCR&G - A SCANA COMPANY**

**Dyess Ave. Bldg 646**

**Proposed Gas Main and Service**

Date: January 07, 2002  
 Scale: 1:3000  
 1 inch = 250ft

19	18	17	16	15	14	13
----	----	----	----	----	----	----



NS-26

EXISTING 2" PLASTIC

PLEDGE ST.

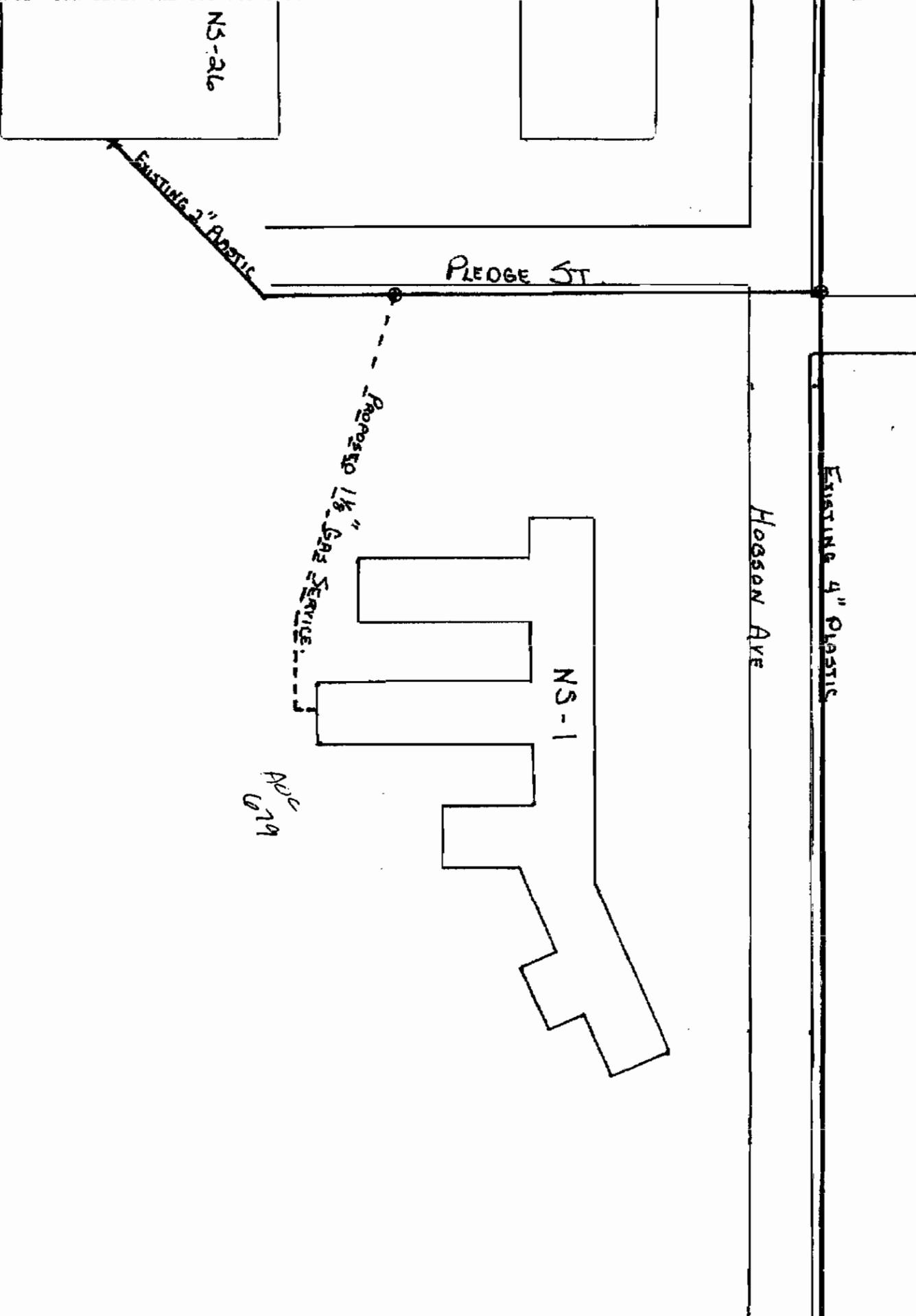
HOGSON AVE

EXISTING 4" PLASTIC

PROPOSED 1 1/2" GAS SERVICE

NS-1

APR 02 09



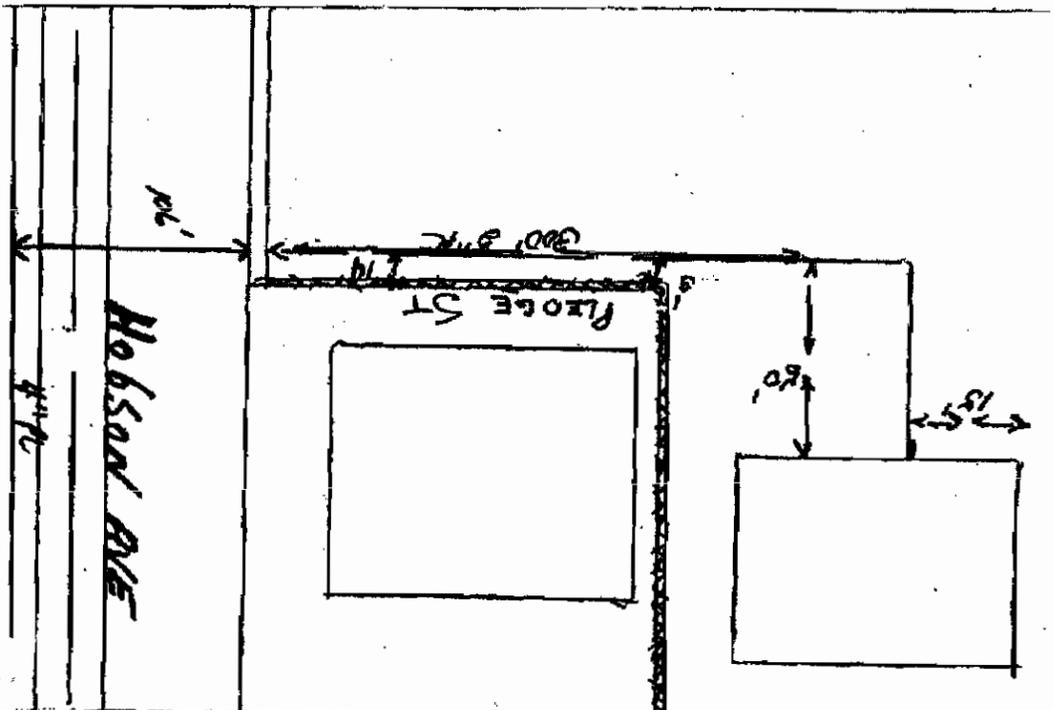
### GAS SERVICE RECORD

ADDRESS 2055 Thompson Ave Naval Base Bldg 1504  
 NAME \_\_\_\_\_ DATE INSTALLED 9/18/98  
 CITY or TOWN N. Charleston SUBDIVISION Naval Base

SERVICE W.O. NO. 007858 PIPE SIZE & KIND 2" PL  
 PRESSURE: M.P.  H.P.  L.P.  SIZE of TAP 1/2"  
 LENGTH MAIN TO CURB VALVE \_\_\_\_\_ FT. \_\_\_\_\_ IN.  
 LENGTH CURB VALVE TO PROPERTY LINE \_\_\_\_\_ FT. \_\_\_\_\_ IN.  
 LENGTH MAIN TO PROPERTY LINE 106' FT. \_\_\_\_\_ IN.  
 LENGTH PROPERTY LINE TO METER 300' FT. \_\_\_\_\_ IN.  
 SIZE & TYPE of MAIN 4" PL DEPTH of MAIN 36"  
 TESTED WITH Air TO 121 psig FOR 15 MINUTES  
 INSTALLED BY: Contractor Pipeline Foreman J. J. J.

REMARKS: Address 2055  
with wine Box 106  
(to install cut to be run)

FORM 233 (5-71)



## Daniell, Amy (Efdsouth)

---

**From:** Daniell, Amy (Efdsouth)  
**Sent:** Thursday, January 17, 2002 9:50 AM  
**To:** 'scaturdm@dhec.state.sc.us'  
**Cc:** Hunt, Tony (Efdsouth)  
**Subject:** SCE&G to install gas service lines in vicinity of AOC 679

This e-mail's purpose is to provide you with notification that SCE&G will be installing gas service lines in or adjacent to AOC 679. We have notified the RDA and SCE&G that they will be disturbing soil in an area of concern and the contaminants they may encounter and to take necessary precautions to minimize dermal exposure to their workers. They are also to stop work immediately if there is suspect soil or an unusual odor. Please contact our office if you have any questions or concerns.

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <span style="font-size: 1.2em; font-family: cursive;">BUILDING 4A</span>	<b>Contractor:</b> <span style="font-size: 1.2em; font-family: cursive;">TSG</span>	<b>Date of Request:</b> <span style="font-size: 1.2em; font-family: cursive;">06 DEC 01</span>
--	--	---

Yes     No

**Facility/ Work involved (Please check below)**

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____	
Overhead Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
<b>Method of Excavation:</b>	Hand <input checked="" type="checkbox"/>	Power Shovel <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>
		<input type="checkbox"/> Other: _____

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

REMOVE/INSTALL FENCE ALONG HOBSON AVE IN FRONT OF BUILDING 4A. SEE ATTACHED SKETCH.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <span style="font-size: 1.2em; font-family: cursive;">ASAP</span>	<b>Termination Date of Permit:</b> <span style="font-size: 1.2em; font-family: cursive;">01 MAR 02</span>
<b>Signature of Requesting Official:</b> 	<b>Date:</b> <span style="font-size: 1.2em; font-family: cursive;">12/6/01</span> <b>Phone Number:</b> <span style="font-size: 1.2em; font-family: cursive;">747-0010</span>

## Caretaker Site Office Review

<p><b>Points of Contact:</b></p> <p><b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390</p> <p><b>SCE&amp;G:</b> R.W. Smith (work) 745-6381</p> <p><b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>Technical Solutions Group</u></li> <li>2. Is the Area inside the CIA? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (<u>SWMU 25</u>)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>5. Has DHEC been notified? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>013</u></li> </ol>
<b>Permit Approved?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> <u>Amy Daniel 12/12/01</u>	<b>Date out:</b> <u>1/12/02</u>
<b>CH2MHILL/J.A. Jones Signature:</b> <u>[Signature] 12-11-01</u>	
<b>BEC Signature:</b> <u>[Signature] 1/11/02</u>	<b>Serial Number:</b> <u>051</u>
<b>CSO Officer Signature:</b> <u>T.F. Fausville 1/11/02</u>	

\* See attached information

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 051  
Request Date = 6 December 2001  
Comments Date = 12 December 2001  
Location = Bldg. 44 & Bldg. 5

### Environmental Review Comments

This project proposes the following: (a) to remove/install fence

The Navy has identified that in this area a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site, the CSO should be notified prior to disposal for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

## CH2M-JONES, LLC

---

December 11, 2001

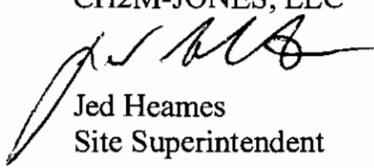
To: Charleston Caretaker Site Office (CSO)  
From: CH2M-JONES, LLC

Subject: DIG PERMIT FOR TSG TO REMOVE AND RE-INSTALL FENCING  
ADJACENT TO BUILDINGS 5 AND 44 ALONG HOBSON AVENUE, CSO  
PERMIT NUMBER 51

CH2M-JONES, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 051, and identified that the proposed work area is within/adjacent to the footprint of Solid Waste Management Unit (SWMU) 25. SWMU 25 is the former site of an electro-plating facility. Review of the RCRA Facility Investigation (RFI) Report shows the area of work along Hobson Avenue does not no identified any cumulative soil risks (see attached sheets and figure 10.3.5). However, as a precaution, it should be noted that an electrical conduit that runs between Buildings 5 and 44 (former vault 7a) out to Hobson Avenue (vault 7) can provide a path for contaminate migration. Elevated levels of trivalent chromium and lower concentrations of hexavalent chromium were previously found in vault 7 prior to its removal. This potential contaminate source should not pose a problem for fence removal/installation work.

CH2M-JONES, LLC does not have any remedial actions scheduled at this time for the areas that are identified for fence work.

Respectfully,  
CH2M-JONES, LLC



Jed Heames  
Site Superintendent

concentration (regardless of valence) to the RBC for its hexavalent species (39 mg/kg). Analyses 1  
for hexavalent chromium in soil indicate that the trivalent state predominates for combined 2  
SWMU 22 surface soil. The RBC for trivalent chromium is 7,800 mg/kg. Since it is evident that 3  
combined SWMU 22 chromium in soil predominantly exist in the less toxic trivalent state, 4  
chromium was eliminated as a COPC. Arsenic, beryllium, and manganese were detected in 5  
combined SWMU 22 soil at concentrations above their RBCs but were eliminated from 6  
consideration in the residential FRE based on comparison to their background concentrations. 7  
Wilcoxon rank sum test analyses did not result in the inclusion of any parameter that had been 8  
screened out based on background concentration. 9

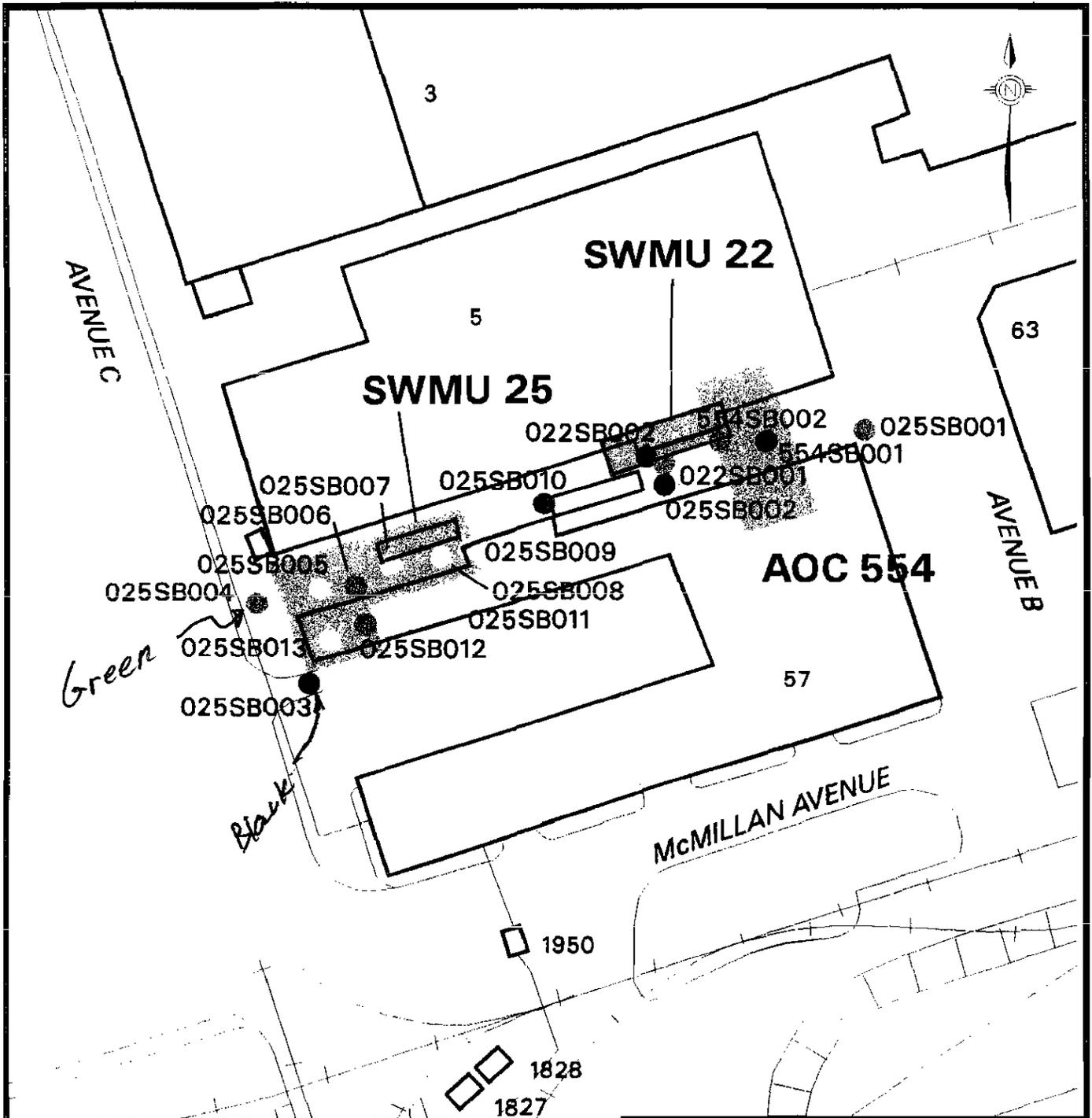
Table 10.3.13.2 summarizes the residential COPCs detected at each combined SWMU 22 sample 10  
location with contribution to risk and hazard. As shown, BEQs are the only contributors to risk 11  
for combined SWMU 22, exceeding 1E-06 at nine of 17 locations. No carcinogenic COPC were 12  
detected at sample locations 022SB002, 025SB002, 025SB003, and 554SB001. Figure 10.3.5 is 13  
a spatial presentation of residential risk estimates for combined SWMU 22 soil. For samples with 14  
concentrations of carcinogenic COPCs, risk estimates range from 7E-10 to 1E-05 with an 15  
arithmetic mean risk of 3E-06. The arithmetic mean was calculated assuming a deminimus risk 16  
level of 1E-07 for locations where no carcinogenic COPCs were detected. 17

HI projections did not exceed the threshold of unity at any sample locations. HI estimates range 18  
from 0.001 to 0.5. 19

### **Industrial Scenario**

 20

Based on industrial RBCs, chromium was identified as a COPC for combined SWMU 22 soil. As 21  
with the residential scenario, since it is evident that combined SWMU 22 chromium in soil 22  
predominantly exist in the less toxic trivalent state, chromium was eliminated as a COPC. Arsenic 23  
was detected in combined SWMU 22 soil at concentrations above its industrial RBC but was 24



- LEGEND - CUMULATIVE SOIL RISK**
- Black* → ● NO COPCs DETECTED
  - Green* → ● < 1E-6
  - 1E-6 to 5E-6
  - 5E-6 to 1E-5
  - 1E-5 to 1E-4
  - > 1E-4



**ZONE E - RCRA FACILITY  
INVESTIGATION REPORT  
NAVAL BASE, CHARLESTON  
CHARLESTON, S.C.**

**FIGURE 10.3.5  
CUMULATIVE SOIL RISK  
RESIDENTIAL SCENARIO  
SWMU 22,25 AOC 554**

0 feet 150

eliminated from consideration in the industrial FRE based on comparison to its background concentration. Wilcoxon rank sum test analyses did not result in the inclusion of any parameter that had been screened out based on background concentration.

### **Lead**

Lead was detected in all 17 surface soil samples collected at combined SWMU 22. Soil concentrations ranged from 3.6 to 469 mg/kg and exceeded the residential clean up level of 400 mg/kg in one of 14 samples (025SB009). The mean detected lead concentration for combined SWMU 22 is 79.9 mg/kg which is well below both the action level of 400 mg/kg, considered protective of children under a residential scenario, and the industrial cleanup level of 1,300 mg/kg, considered protective of adults under an industrial scenario. Figure 10.3.6 is a spatial presentation of lead soil concentrations, using the surface soil background concentration of 265 mg/kg, the residential soil lead cleanup level of 400 mg/kg, and the industrial soil lead cleanup concentration of 1,300 mg/kg as benchmark levels to illustrate the lead soil concentrations for combined SWMU 22.

### **10.3.13.3 Fixed-Point Risk Evaluation for Groundwater**

#### **Residential Scenario**

Table 10.3.13.3 provides CPSS summaries for combined SWMU 22 groundwater and identifies COPCs. Antimony, cadmium, chlordane (alpha and gamma), chromium, nickel, tetrachloroethene, and trichloroethene were identified as groundwater COPCs based on comparison of first-quarter groundwater concentrations to tap-water RBCs. Manganese was detected in combined SWMU 22 groundwater at concentrations above its RBC but was eliminated from consideration in the FRE based on comparison to its background concentration. Wilcoxon rank sum test analyses did not result in the inclusion of any parameter that had been screened out based on background concentration.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 180010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29418-9010

5090

Ser CSO/073

12 December 2001

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: TECHNICAL SOLUTIONS GROUP REQUEST TO  
REMOVE/INSTALL FENCE**

Your letter of 6 December 2001 forwarded a request from Technical Solutions Group to remove a portion of the controlled industrial area fence in front of Bldg. 44 and to install a small section of fence between Bldgs. 5 & 44, for our consideration and approval. The work will be taking place at or near contaminated areas. In these areas, the Navy has identified a release of hazardous substances has occurred, but corrective actions have not been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO.

The enclosed digging permit is approved. For specific contaminants that may be encountered, please see the comments attached to the digging permit. Any soil excavated during this project shall be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions.

If you have any questions, please contact Amy Daniell at 743-9985

Sincerely,

A handwritten signature in black ink that reads "Tom Fressilli". The signature is written in a cursive style with a large, sweeping initial "T".

Tom Fressilli  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

December 6, 2001

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: TECHNICAL SOLUTIONS GROUP REQUEST TO REMOVE/INSTALL FENCE**

Dear Tom:

We are forwarding a request from TSG to remove a portion of the controlled industrial area fence in front of Building 44 and to install a small section of fence between Buildings 5 & 44 and in front of the roll up doors on Building 44 as shown on the attached sketch. The existing fence removal will be done in a manner that maintains the security boundary between Hobson Avenue and the shipyard. We have included a digging permit request with this request.

Thank you in advance for your review of this information. Please contact me with any questions you have regarding this information.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures

TECHNICAL



Group, Inc.

1360 Truxtun Ave. Suite 100  
North Charleston, SC 29405  
United States  
Ph: 1-843-740-7015 Fax: 1-843-740-1973  
Email: garth@forceprotection.net  
Website: forceprotection.net

December 5th, 2001

**Charleston Naval Complex Redevelopment Authority**

1360 Truxtun Ave.  
Suite 300  
N. Charleston  
SC 29405

**FOR ATTENTION : SEAN**

Dear Sean,

**FENCE REMOVAL BUILDING 44**

Reference A : Diagram attached at Appendix A.

Our discussion of this morning on the above subject refers.

There is no fence in front of the RDS/Furniture building so TSG's proposal will aesthetically fit in with the next door building. The fence removal will in no way compromise the Security of CMMC or TSG which has the same requirements for security as CMMC.

TSG proposes to remove the current fence as outlined in Red Ink on the attachment. TSG will place a fence with a gate between building 44 and the RDS/Furniture building which will be permanently locked.

TSG will place security gates in front of both Roller Doors with keys only being held by senior management, as the doors will need to be opened in summer for ventilation. TSG would like to commence this modification as soon as possible.

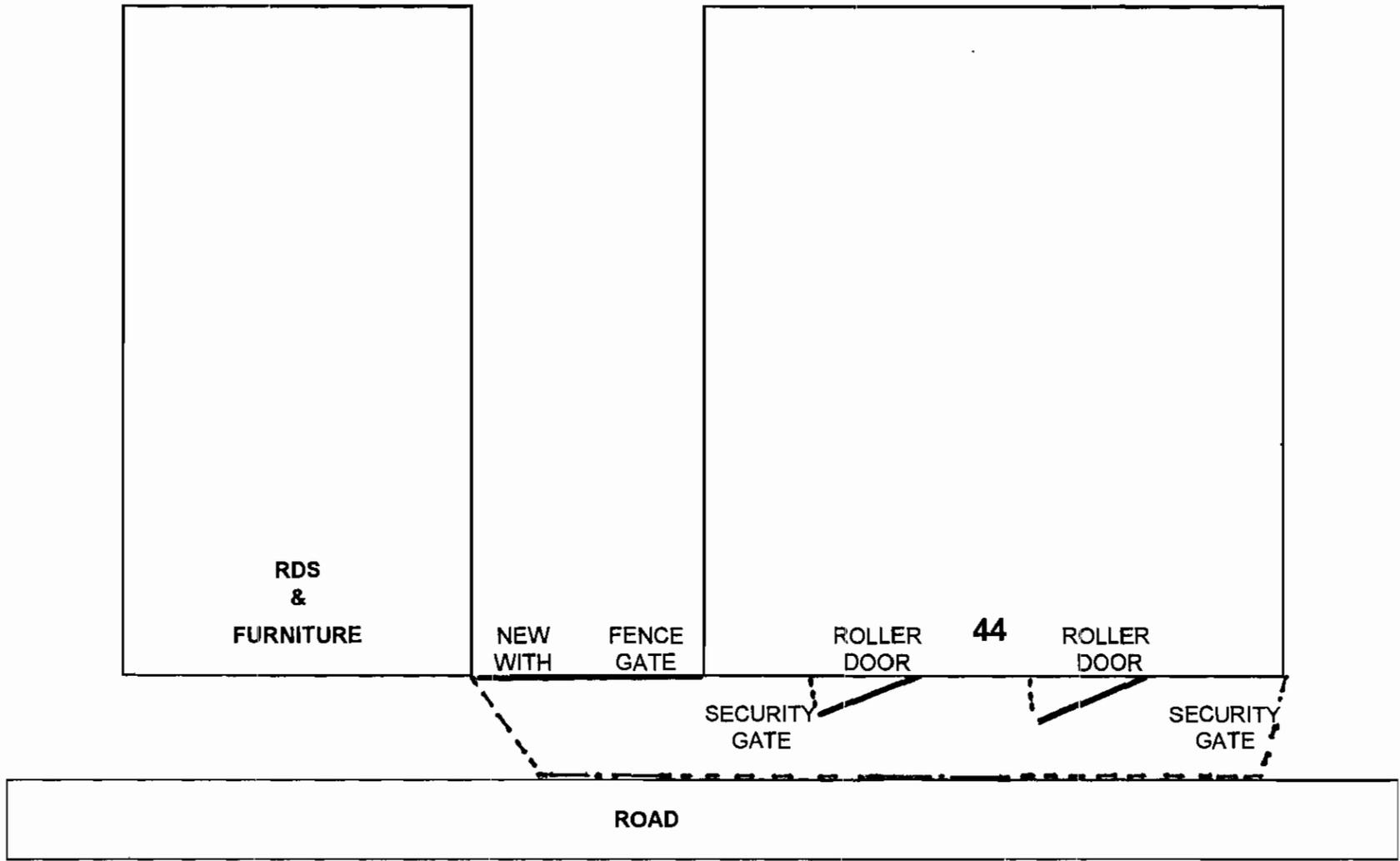
If you have any suggestions please advise.

Yours sincerely,

**GARTH BARRETT**  
President

DEC - 5 2001

**TSG PROPOSED FENCE REMOVAL : BUILDING 44**



## Daniell, Amy (Efdsouth)

---

**From:** Daniell, Amy (Efdsouth)  
**Sent:** Friday, January 11, 2002 10:35 AM  
**To:** 'scaturdm@dhec.state.sc.us'  
**Cc:** Hunt, Tony (Efdsouth)  
**Subject:** Technical Solutions Group to remove/install fence in vicinity of SWMU 25

This e-mail's purpose is to provide you with notification that Technical Solutions Group will be removing a portion of a fence in front of Bldg. 44 and will be installing a small section of fence between Bldgs. 5 & 44 and in front of the roll up doors in Bldg. 44. This area is within/adjacent to SWMU 25. We have notified the RDA and Technical Solutions Group that they will be disturbing soil in a solid waste management unit and the contaminants they may encounter and to take necessary precautions to minimize dermal exposure to their workers. They are also to stop work immediately if there is suspect soil or an unusual odor. Please contact our office if you have any questions or concerns.

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <span style="font-size: 1.2em; font-family: cursive;">AVENUE D SOUTH / HOBSON AVE</span>	<b>Contractor:</b> <span style="font-size: 1.2em; font-family: cursive;">J+ME</span>	<b>Date of Request:</b> <span style="font-size: 1.2em; font-family: cursive;">27 NOV 01</span>
--	---	---

<b>Has the proposed work been staked out?</b>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Facility/ Work involved (Please check below)</b>		
Excavation <input type="checkbox"/> Pavements <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/> Other: <span style="font-family: cursive;">BOREHOLE</span> <input checked="" type="checkbox"/>	Railroad Tracks <input type="checkbox"/>  Communications <input type="checkbox"/> Communications <input type="checkbox"/> Power Shovel <input type="checkbox"/> Auger <input checked="" type="checkbox"/>
Overhead Lines : <input type="checkbox"/> Underground Lines : <input type="checkbox"/> Method of Excavation:	Utilities <input type="checkbox"/> Utilities <input type="checkbox"/> Hand <input type="checkbox"/> Ditcher <input type="checkbox"/>	Other: <input type="checkbox"/> _____

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

SEE ATTACHED J+ME, INC. LETTER DATED NOV 20, 2001. SEVEN (7) AUGER BORINGS WILL BE DRILLED 5-7 FT DEEP ALONG AVENUE "D" SOUTH AND ON HOBSON AVENUE IN FRONT OF BLDG 186.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <span style="font-family: cursive;">ASAP</span>	<b>Termination Date of Permit:</b> <span style="font-family: cursive;">01 MAR 02</span>
<b>Signature of Requesting Official:</b> 	<b>Date:</b> <span style="font-family: cursive;">11/27/01</span> <b>Phone Number:</b> <span style="font-family: cursive;">747-0010</span>

### Caretaker Site Office Review

<b>Points of Contact:</b> CPW : Robert Sagasser (work) 529-0653 (page) 570-0390  SCE&G: R.W. Smith (work) 745-6381  RDA: Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <span style="font-family: cursive;">LDA</span></li> <li>2. Is the Area inside the CIA? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (AU570)</li> <li>5. Has DHEC been notified? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? (See Attached Map)</li> <li>11. What is the serial # of forwarding letter to RDA? <span style="font-family: cursive;">071</span></li> </ol>
<b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> <span style="font-family: cursive;">Amy Daniell</span> <span style="font-family: cursive;">12/3/01</span>	<b>Date out:</b> <span style="font-family: cursive;">12/3/01</span>
<b>CH2MHILL/J.A. Jones Signature:</b> <span style="font-family: cursive;">[Signature]</span> <span style="font-family: cursive;">11/30/01</span>	<b>Serial Number:</b> <span style="font-family: cursive;">050</span>
<b>BEC Signature:</b> <span style="font-family: cursive;">M.A. Hunt</span> <span style="font-family: cursive;">12/3/01</span>	
<b>CSO Officer Signature:</b> <span style="font-family: cursive;">T.E. Frusilli</span> <span style="font-family: cursive;">12/3/01</span>	

\* Verbal extension given to Sean 10/1/02. New termination date of permits 31 Dec 02. Verified w/ Ted on 10/1/02.

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 050

Request Date = 27 November 2001

Comments Date = 3 December 2001

Location = Avenue D South/Hobson Ave.

### Environmental Review Comments

This project proposes the following: (a) to perform soil borings

The Navy has identified that in this area a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

Except the soil used for soil samples, no soil shall leave the base without permission. Any soil excavated, other than what is collected for soil samples, should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site, the CSO should be notified prior to disposal for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

**CH2M-JONES, LLC**

---

November 30, 2001

To: Charleston Caretaker Site Office (CSO)  
From: CH2M-JONES, LLC

Subject: DIG PERMIT FOR S&ME TO PERFORM SOIL BORINGS, CSO PERMIT  
NUMBER 50

CH2M-JONES, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 050, and identified that the proposed work area is within/adjacent to the footprint of Area of Concern (AOC) 570. Review of the RCRA Facility Investigation (RFI) Report shows there is no identified industrial hazard for the proposed work.

CH2M-JONES, LLC does not have any remedial actions scheduled at this time for the areas that are identified for sampling.

Respectfully,  
CH2M-JONES, LLC



Jed Heames  
Site Superintendent

**10.34 AOC 569, Gas Station and Oil Storage, Former Building 1279; AOC 570, Former Coal Storage Area; and AOC 578, Transportation Shop and Garage, Building 25**

AOC 569 is a former gas station and oil storehouse once in Building 1279. The gas station was constructed in 1944 and had two pumps and two 2,500-gallon USTs. In 1986, an additional 3,000-gallon UST was installed. This site was demolished and the three tanks were removed in 1992. Demolition activities consisted of pump and tank removal, filling vent lines, soil excavation, soil sampling, and resurfacing the area with asphalt. AOC 570 was a coal storage area which extended from Building 30 to Sixth Avenue and from Carolina Avenue to Hobson Avenue. This area was operated from 1919 to 1941, at which time coal was replaced by steam-power. AOC 578 consists of a transportation shop and garage in Building 25. Built in 1940, this structure was originally used as an automobile garage and more recently was used as a transportation and appliance maintenance shop. Building 25 includes the following facilities: an air conditioning repair shop, a sheet metal shop, two electric shops, a paint shop, a sign shop, a carpenter's shop, a paper-shredding area, a restroom, an electrical maintenance area, a tool room, a maintenance shop with personnel lockers, and an emergency supply storage area.

AOCs 570 and 578 have not been investigated previously. However, soil samples collected at AOC 569 in 1992 showed headspace-Organic Vapor Analysis (OVA) readings greater than 1,000 ppm and analytical samples in 1993 showed benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations as high as 1,000 ppm. These samples were collected from the area where the USTs were once located.

Materials of concern identified in the *Final Zone E RFI Work Plan* include: at AOC 569, heavy metals and petroleum hydrocarbons; at AOC 570, coal and coal by-products; and at AOC 578, acids, paints, solvents, antifreeze, and petroleum hydrocarbons. Potential receptors that may be exposed to site contaminants include current and future building users and any site workers this area may support following base closure.

To fulfill the RFI objectives for AOCs 569, 570, and 578, soil and groundwater samples were collected in accordance with the *Final Zone E RFI Work Plan*, and Section 3 of this report to determine whether any contamination resulted from onsite activities.

#### 10.34.1 Soil Sampling and Analysis

Soil was sampled in two rounds at AOCs 569, 570, and 578 from the locations shown in Figure 10.34.1. The *Final Zone E RFI Work Plan*, proposed collecting 21 soil samples from the upper interval and 21 samples from the lower interval. Soil samples were also collected from the five shallow monitoring well locations proposed at this site.

*First-round Sampling* — During the first round of sampling, 25 of the 26 proposed upper-interval samples and 25 of 26 proposed lower-interval samples were collected. Soil samples were not collected from the location of NBCE570001 due to its close proximity to an existing soil boring location (570SB007).

First-round samples were submitted for analysis at DQO Level III for VOCs, SVOCs, metals, and pH. Three samples (two upper-interval and one lower-interval) selected as duplicates were analyzed at DQO Level IV for Appendix IX analytical parameters to include the suite of parameters proposed for the site, plus a more comprehensive list of VOCs and SVOCs as well as herbicides, hexavalent chromium, organophosphorus pesticides, and dioxins. Table 10.34.1.1 summarizes the first round of soil sampling.

Aluminum, beryllium and thallium were reported in combined AOC 569 soil at concentrations above their RBC benchmarks and were eliminated from consideration in the FRE based on comparison to their RC. As a result, their contribution to risk/hazard has not been considered in this FRE.

Arsenic was the primary contributor to risk estimates associated with surface soil throughout combined AOC 569. Reported arsenic surface soil concentrations only exceeded its RC in one surface soil sample (570SB012). Although arsenic contributes greatly to risk estimates associated with combined AOC 569 surface soil, its overall site concentration is generally comparable to its RC.

### *Groundwater*

The same conservative screening process used for soil was also applied to groundwater. Use of conservative RBCs in combination with the use of maximum detected concentrations for comparison minimizes the likelihood of a significant contribution to risk/hazard based on eliminated CPSSs. Of the CPSSs screened and eliminated from formal assessment, none was reported at concentrations close to its RBCs (e.g. within 10% of its RBCs).

Manganese was reported in combined AOC 569 deep groundwater and arsenic and manganese were reported in combined AOC 569 shallow groundwater at maximum concentrations above corresponding RBC benchmarks and were eliminated from consideration in the groundwater FRE based on comparison to its RC. As a result, their contribution to risk/hazard has not been considered in groundwater FRE.

Concentrations of arsenic, aluminum, chromium, lead, and vanadium were the primary contributors to risk and hazard projections associated with first quarter groundwater samples collected from monitoring well NBCE570002. Second, third, and fourth quarter groundwater

1 samples collected from this monitoring well reported significantly lower concentrations of these  
2 parameters. As a result, risk and hazard projections as represented by first quarter groundwater  
3 samples from monitoring well NBCE570002 were considered overestimations. Additionally,  
4 thallium was detected only in the first quarter groundwater sample collected from monitoring well  
5 NBCE56901D and the third quarter sample collected from monitoring well NBCE57002D.  
6 Thallium was not detected in any other combined AOC 569 groundwater sample collected over  
7 four quarters of sampling. As a result, HI estimates associated with concentrations of thallium  
8 reported in the deep aquifer were considered an overestimation.

9 Conversely, reported concentrations of tetrachloroethene were generally higher in third and fourth  
10 quarter samples collected from monitoring wells NBCE569001 and NBCE570001 than in the first  
11 quarter samples. As a result, risk estimates as represented by first quarter results were considered  
12 underestimations.

#### **10.34.6.5 FRE Summary**

13 The risk and hazard posed by contaminants at combined AOC 569 were assessed for the future site  
14 worker and the future site resident as sample point-specific estimates. In surface soils, the  
15 incidental ingestion and dermal contact pathways are reflected. The groundwater FRE was based  
16 on first quarter data and considers the both the ingestion and inhalation pathways. Risk and HI  
17 estimates are presented on Tables 10.34.6.2, 10.34.6.3, and 10.34.6.5 such that risk (E-06) or HI  
18 that exceeds one for any COPC at any given sample location is an indication that the concentration  
19 of that COPC exceeds its RGO (calculated at a target risk of 1E-06 and a target hazard quotient  
20 of 1). Section 7, Tables 7.3.1, 7.3.2, and 7.3.3 provide residential, industrial, and residential  
21 groundwater RGOs, respectively, for all of the COPCs identified for Zone E.  
22

**Soil — Residential Scenario**

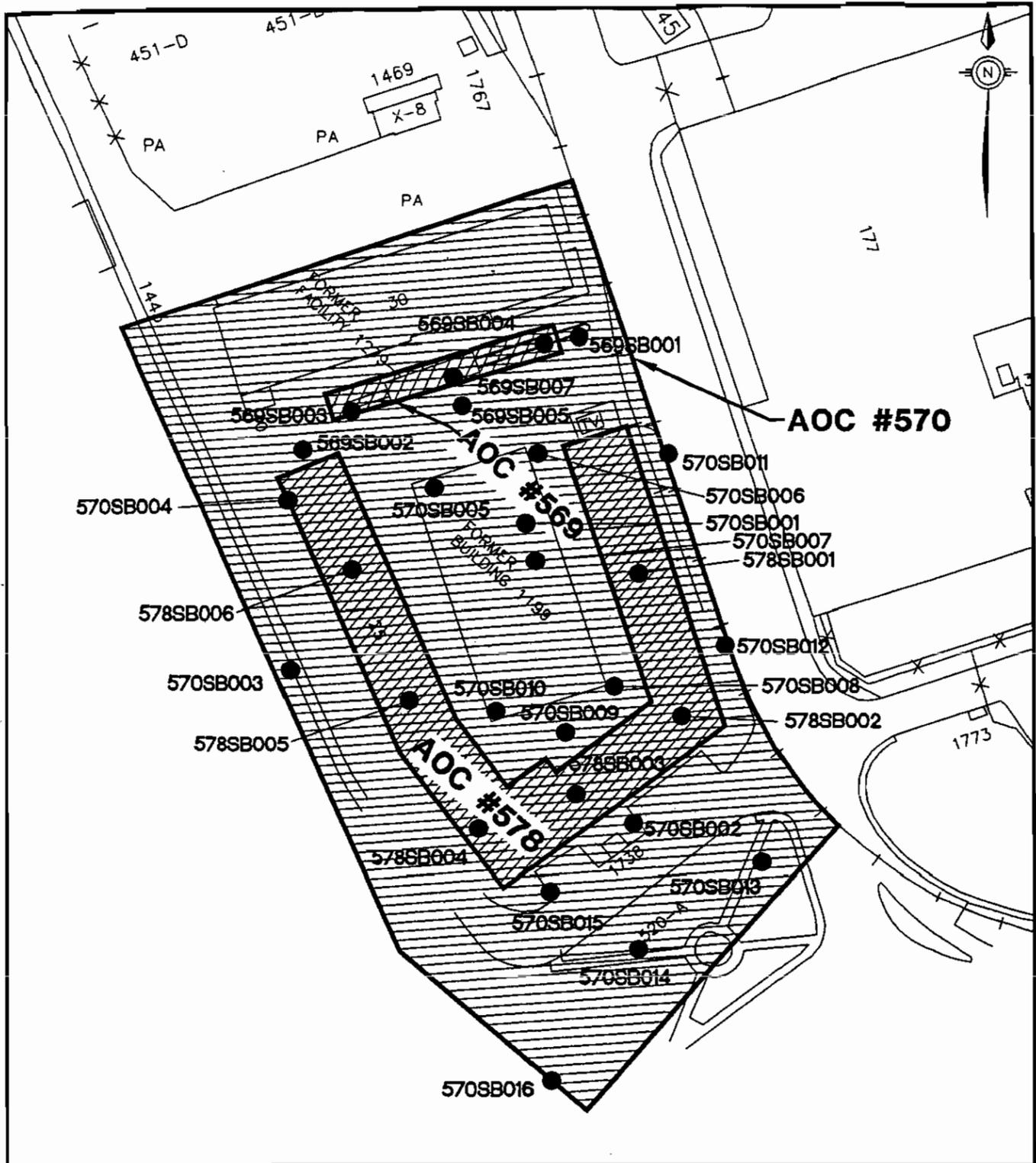
Arsenic was detected in combined AOC 569 surface soil at concentrations above its residential RGO in all 27 samples, however, only one surface soil sample reported an arsenic concentration above its RC. BEQs were reported at concentrations above their residential RGO in 18 of 27 surface soil samples. Residential risk estimates associated with BEQs ranged from 1E-07 to 6E-05, the upper end of which is above the 1E-06 SCDHEC risk level of concern and is within USEPA's 1E-06 to 1E-04 acceptable risk range.

**Soil — Site Worker Scenario**

Arsenic was detected in combined AOC 569 surface soil at concentrations above its industrial RGO in 20 of 27 samples, however, only one surface soil sample reported an arsenic concentration above its RC. BEQs were reported at concentrations above their industrial RGO in 9 of 27 surface soil samples. Industrial risk estimates associated with BEQs ranged from 2E-08 to 1E-05, the upper end of which is above the 1E-06 SCDHEC risk level of concern and is within USEPA's 1E-06 to 1E-04 acceptable risk range.

**Groundwater — Residential Scenario**

Aluminum, arsenic, beryllium, chloroform, chromium, lead, tetrachloroethene, thallium, trichloroethene, and vanadium were detected in shallow groundwater at a concentration above their RGOs based on first quarter groundwater samples. Reported concentrations of chromium and vanadium in subsequent quarterly samples did not exceed their corresponding RGOs. Reported concentrations of arsenic in subsequent quarterly samples did not exceed its background RC. Arsenic and beryllium were not reported at concentrations above their respective MCLs through four quarters of sampling.



**LEGEND**

- - SOIL BORINGS
- ⊙ - CORE SAMPLES
- ⊖ - DEEP MONITORING WELLS
- ⊕ - SHALLOW MONITORING WELLS
- ▲ - SEDIMENT SAMPLES
- ⊕ - THICKNESS SAMPLES
- ⊗ - WIPE SAMPLES
- ⊙ - SURFACE WATER SAMPLES



ZONE E  
RFI REPORT  
NAVAL BASE CHARLESTON  
CHARLESTON, S.C.

FIGURE 10.34.1  
SOIL BORING LOCATIONS  
AOC #569, OIL & GAS SERVICE STA.  
AOC #570, COAL STORAGE AREA  
AOC #578, TRANS. SHOP & GARAGE



DWG DATE: 09/02/97 DWG NAME: 10-34-1

563

571



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090

Ser CSO/071

3 December 2001

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

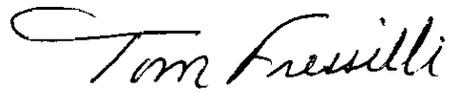
**SUBJECT: S&ME REQUEST TO PERFORM SOIL BORINGS**

Your letter of 27 November 2001 forwarded a request from S&ME to perform soil borings along Ave. D and Hobson Ave., for our consideration and approval. The work will be taking place at or near contaminated areas. In these areas, the Navy has identified a release of hazardous substances has occurred, but corrective actions have not been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO.

The enclosed digging permit is approved. For specific contaminants that may be encountered, please see the comments attached to the digging permit. The only soil that may be taken off base are the soil samples. However, if there is any soil that is excavated during this project, other than what is used for soil samples, the soil shall be stored on site and returned to the excavation after work is done. Other than the soil samples, no soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO for testing and disposal instructions.

If you have any questions or comments, please contact Amy Daniell at 743-9985.

Sincerely,

A handwritten signature in black ink that reads "Tom Fressilli". The signature is written in a cursive style with a large, sweeping initial "T".

Tom Fressilli  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

November 27, 2001

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: S & ME REQUEST TO PERFORM SOIL BORINGS**

Dear Tom:

We are forwarding the request from S & ME to perform soil borings in the locations indicated in the attached letter. These locations are along existing Avenue "D" south of the McMillan Avenue intersection and swing around south of Building 25 and then onto Hobson Avenue ending at the old intersection of Hobson and Reynolds Avenue. S & ME is a geotechnical sub-consultant to Davis & Floyd who is currently under contract with the Authority to design the extension of Avenue "D" south of McMillan to a new intersection with Hobson Avenue in front of Building 186.

Thank you in advance for your review of this information. Please contact me with any questions you have regarding this information.

Sincerely,

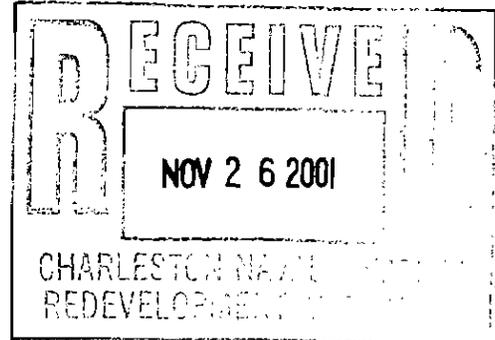
Sean P. McDonell, P. E.  
Operations Director

/enclosures



November 20, 2001

Mr. Sean McDonell  
Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405



Reference: **GEOTECHNICAL EXPLORATION OF  
HOBSON AVENUE REALIGNMENT**  
Charleston Naval Complex, Redevelopment Authority  
S&ME Job No. 1131-01-779

Dear Mr. McDonell:

We (S&ME) have been tasked to conduct a geotechnical exploration on the Charleston Navy Base. The site is located within, and adjacent to, Hobson Avenue. Hobson Avenue will be relocated and the approximately 2,023-LF new alignment will begin at Station 180+16.89 (near Reynolds Avenue) along Hobson Avenue and will end at Station 128+39.82 beyond the existing intersection of Avenue D and McMillan Avenue. The proposed roadway will run adjacent to Building 32 (the Power House).

We plan to perform our geotechnical exploration by coring through the existing pavement and drilling up to seven auger borings (5 to 7 ft deep). In the auger borings, the borehole is drilled and soil samples are taken incrementally as the hole advances. The samples are taken back to our lab so that soil property tests can be performed. We will also obtain two bulk samples for laboratory testing.

We are waiting for our client, Davis & Floyd, to survey and stake out the boring locations. Once the locations are established we will clear the utilities through PUPS. We would like to begin as soon as the utilities are cleared. If you have any questions, please contact me at (843) 884-0005.

Sincerely,

S&ME, Inc.

Gregory J. Canivan, P.E.  
Project Engineer

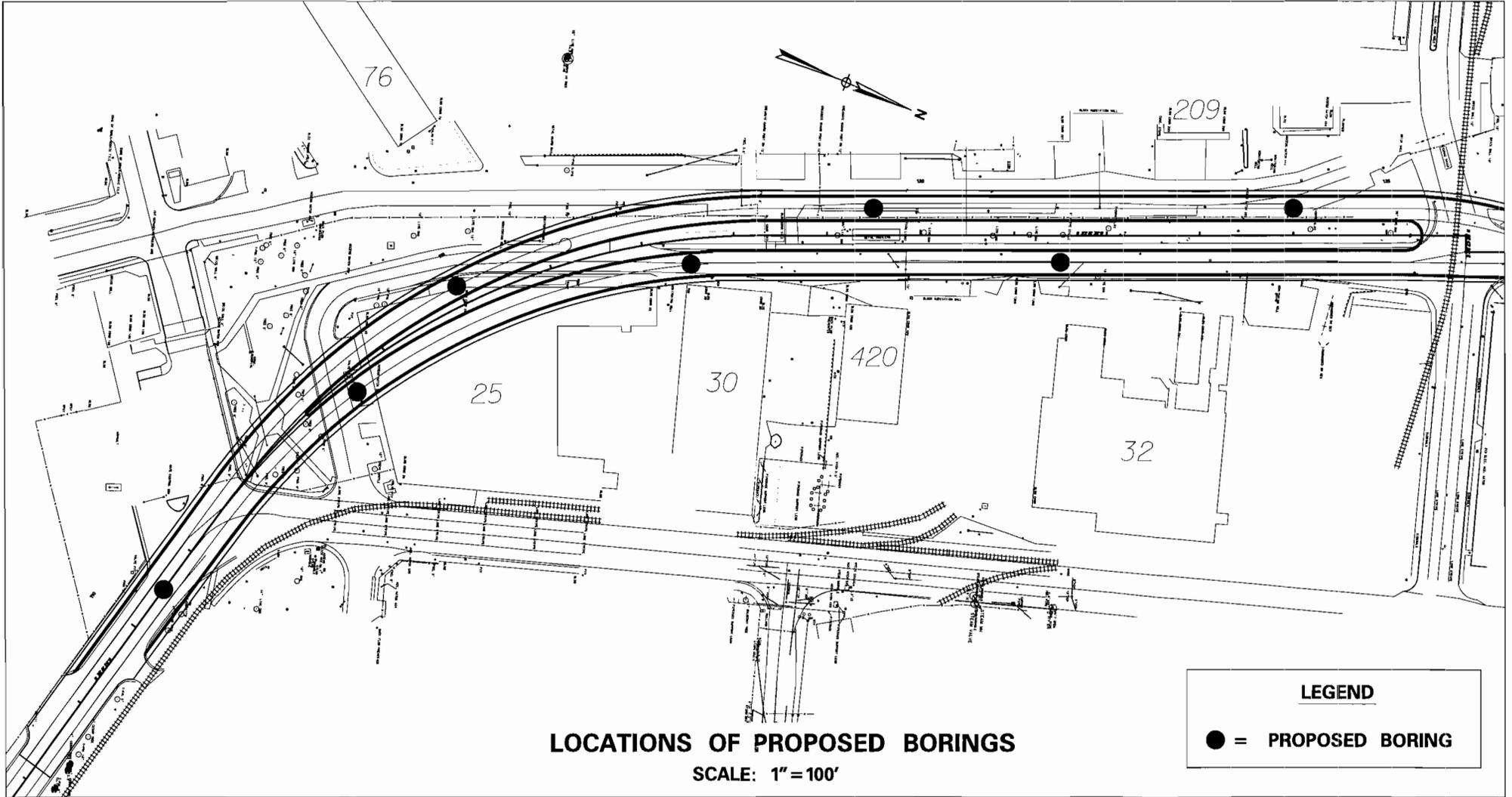
GJC/jfc

## Daniell, Amy (Efdsouth)

---

**From:** Daniell, Amy (Efdsouth)  
**Sent:** Monday, December 03, 2001 3:44 PM  
**To:** 'scaturdm@dhec.state.sc.us'  
**Cc:** Hunt, Tony (Efdsouth)  
**Subject:** S&ME to perform soil borings in vicinity of AOC 570

This e-mail's purpose is to provide you with notification that S&ME will be performing soil borings in the area of AOC 570. We have notified the RDA and S&ME that they will be disturbing soil in an area of concern and the contaminants they may encounter and to take necessary precautions to minimize dermal exposure to their workers. They are also to stop work immediately if there is suspect soil or an unusual odor. Please contact our office if you have any questions or concerns.



**LOCATIONS OF PROPOSED BORINGS**

SCALE: 1" = 100'

**LEGEND**

● = PROPOSED BORING

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <u>STORMWATER SYSTEM</u> <u>BASINS 30 + 37/38</u>	<b>Contractor:</b> <u>DAVIS + FLOYD, INC</u>	<b>Date of Request:</b> <u>20 NOV 01</u>
---	---	---

Is the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <u>BORING</u> <input checked="" type="checkbox"/>	
Overhead Lines :	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines :	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

PERFORM SOIL BORINGS FOR SOIL ANALYSIS IN STORMWATER DRAINAGE BASINS 30 + 37/38. SEE ATTACHED D+F LETTER AND MAP FOR MORE DETAIL

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <u>ASAP</u>	<b>Termination Date of Permit:</b> <u>31 JAN 02</u>
---	--

<b>Signature of Requesting Official:</b> 	<b>Date:</b> <u>11/20/01</u>	<b>Phone Number:</b> <u>747-0010</u>
--	---------------------------------	---

### Caretaker Site Office Review

<b>Points of Contact:</b> <b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390  <b>SCE&amp;G:</b> R.W. Smith (work) 745-6381  <b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>Davis Floyd</u></li> <li>2. Is the Area inside the CIA? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>070</u></li> </ol>
<b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> <u>Amy Daniell</u> <u>11/27/01</u>	<b>Date out:</b> <u>12/03/01</u>
<b>CH2MHILL/J.A. Jones Signature:</b> <u>J.A. Jones</u> <u>11/26/01</u>	
<b>BEC Signature:</b> <u>M.A. Hunt</u> <u>11/29/01</u>	<b>Serial Number:</b> <u>048</u>
<b>CSO Officer Signature:</b> <u>T.F. Frewilli</u> <u>12/03/01</u>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 048

Request Date = 20 November 2001

Comments Date = 27 November 2001

Location = Stormwater System Basins 30 & 37/38

### Environmental Review Comments

This project proposes the following: (a) to perform soil borings for soil analysis in stormwater drainage basins.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil cannot be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being transported to the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

5090  
Ser CSO/070  
27 November 2001

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: DAVIS & FLOYD REQUEST TO PERFORM SOIL BORINGS**

Your letter of 20 November 2001 forwarded a request from Davis & Floyd to perform soil borings for soil analysis in stormwater drainage basins 30 & 37/38, for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO.

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO prior to transporting soil to the soil management area. If you have any questions or comments, please contact Amy Daniell at 743-9985.

Sincerely,



Tom Fressilli  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

November 20, 2001

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

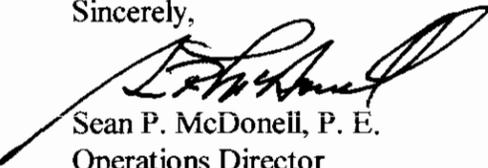
**Subject: DAVIS & FLOYD REQUEST TO PERFORM SOIL BORINGS**

Dear Tom:

We are forwarding the request from Davis & Floyd, Inc. to perform soil borings in the locations indicated in the attached letter and maps. This A-E is currently under contract with the Authority to design stormwater improvements as part of the EDA Phase IV grant that we have received. We have attached a digging permit request with this correspondence.

Thank you in advance for your review of this information. Please contact me with any questions you have regarding this information.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures

**DAVIS** Engineering  
**FLOYD** Architecture  
Environmental & Laboratory Services

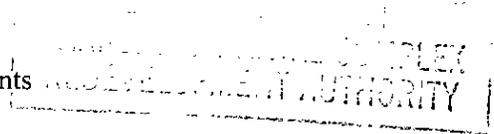
P.O. Box 61599 Charleston, SC 29419 • 3229 West Montague Avenue Charleston, SC 29418 • (843) 554-8602 (office) (843) 747-6485 (fax)

November 9, 2001

Mr. Sean P. McDonell, P.E.  
Engineering Director  
Charleston Naval Complex Redevelopment Authority  
1360 Truxtun Avenue, Suite 300  
North Charleston, SC 29405-2005

NOV 14 2001

**Re:** Charleston Naval Complex RDA Drainage Improvements  
Navy Permit for Subsurface Exploration



Dear Mr. McDonell:

Davis & Floyd proposes to conduct subsurface exploration using a small backhoe at the outfall locations of our drainage project in the Charleston Shipyard. We are also looking at obtaining soil borings along the proposed pipeline route of the two basins needed for developing the trench design for the storm sewer system. The locations of the proposed excavations and soil borings are shown on the attached maps and described below:

- a) Basin 30 – Outfall investigation will be adjacent to Pier 317-B, between Bldg. 230 and Dry Dock 2. The three Soil Borings will be located along Fourth Street, one near the Pier 317-B bulkhead adjacent to Dry Dock 2, one at its intersection with Avenue "B", and one at its intersection with Avenue "D".
- b) Basin 37/38 – Outfall investigation will be behind the existing bulkhead near Bldg. 1174 and Dry Dock 3. The three Soil Borings will be located along Supply Street, one near the bulkhead area adjacent to Dry Dock 3, one at its intersection with River Road, and one at its intersection with Hobson Avenue.

All disturbed pavement and surface materials will be restored to original condition or better. Soil materials removed from the excavation will be returned to the excavation. No excess materials will be removed off-site. We will appreciate you obtaining the required permit from the Navy necessary to perform this work.

Sincerely,

**DAVIS & FLOYD, Inc.**

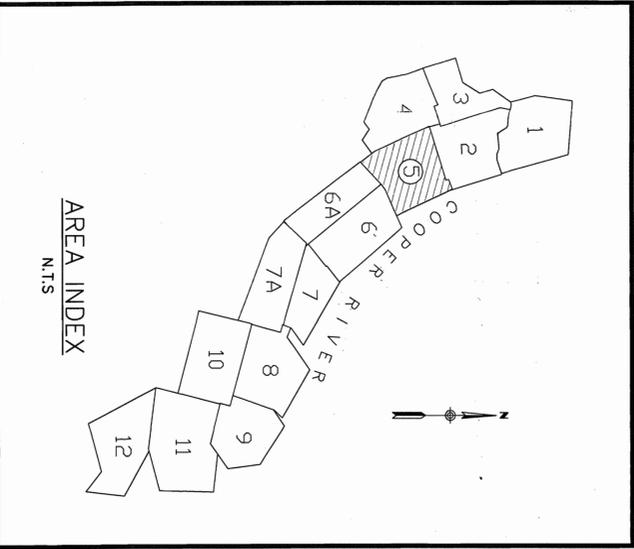
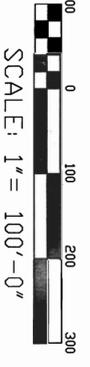
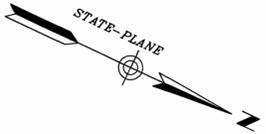
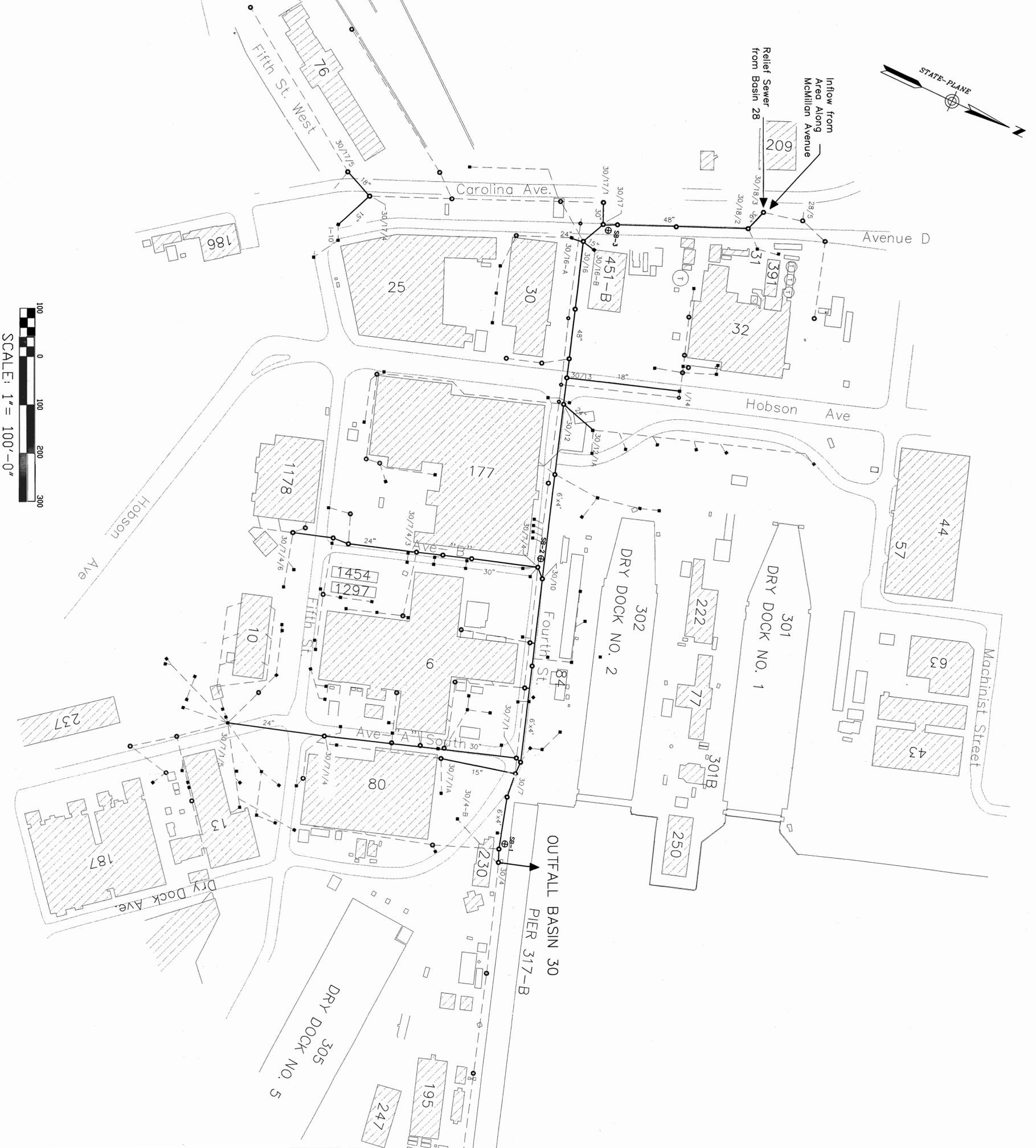
  
J.R. Viado

**Job No.: 30521.00 / Task 0001**

Cc: J. Donovan Dukes, Davis & Floyd, Inc.  
Jake Serrano, Davis & Floyd, Inc.  
File



C:\JPS0001\30521-001\TASK0001\SEEDS\BASIN30.DWG T:\01\ DSIZE 1=1 XREF(0): 30521AL.DWG; DATEIN.DWG; REF-SEALING; REFIBAS.DWG



- LEGEND**
- 18" 24" ——— RECOMMENDED IMPROVEMENTS
  - ⊕ SB-1 PROPOSED SOIL-BORING LOCATION
  - 30/9/3 STRUCTURE IDENTIFICATION
  - EXISTING LINE
  - MANHOLE
  - DROP INLET

NO.	REVISED	CHKD.	DATE

DESIGNED	HFV	CHECKED	JMS	JOB NO.	30521.00
DRAWN	LCV	APPROVED	JMS	DATE	JAN. 2001

**BASINS 30  
DRAINAGE IMPROVEMENTS**

DRAWING TITLE

CNCRA  
NORTH CHARLESTON, SOUTH CAROLINA  
OWNER

UTILITY SYSTEMS IMPROVEMENTS  
PHASE IV  
STORM DRAINAGE  
INFRASTRUCTURES  
PROJECT TITLE

**DAVIS & FLOYD** ENGINEERS ARCHITECTS  
PLANNERS SCIENTISTS

GREENWOOD • CHARLESTON • COLUMBIA  
SOUTH CAROLINA

SHEET 1 OF 2  
**30-C1**

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <i>BUILDING N5 26</i>	<b>Contractor:</b> <i>CMMC</i>	<b>Date of Request:</b> <i>02 NOV 01</i>
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Has the proposed work been staked out?  Yes  No

**Facility/ Work involved (Please check below)**

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <i>FENCE</i> <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
Method of Excavation:	Hand <input type="checkbox"/>	Auger <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	<input type="checkbox"/> Other: _____

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

*SEE ATTACHED REQUEST/SKETCH TO RELOCATE FENCE ON THE COOPER RIVER SIDE OF N5 26.*

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

**Date Permit Required:** *ASAP*      **Termination Date of Permit:** \_\_\_\_\_

**Signature of Requesting Official:** *[Signature]*      **Date:** *11/2/01*      **Phone Number:** *747-0010*

### Caretaker Site Office Review

<p><b>Points of Contact:</b></p> <p><b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390</p> <p><b>SCE&amp;G:</b> R.W. Smith (work) 745-6381</p> <p><b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <i>CMMC</i></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <i>027</i></li> </ol> <p style="text-align: right;"><b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
---	--

<b>CSO Authorizing Signature:</b> <i>Amy Daniell 11/13/01</i>	<b>Date out:</b> <i>11/19/01</i>
<b>CH2MHILL/J.A. Jones Signature:</b> <i>[Signature] 11-13-01</i>	
<b>BEC Signature:</b> <i>M.A. Hunt 11/13/01</i>	<b>Serial Number:</b> <i>027</i>
<b>CSO Officer Signature:</b> <i>T.F. Frantelli 11/19/01</i>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 047  
Request Date = 2 November 2001  
Comments Date = 13 November 2001  
Location = Bldg. NS-26

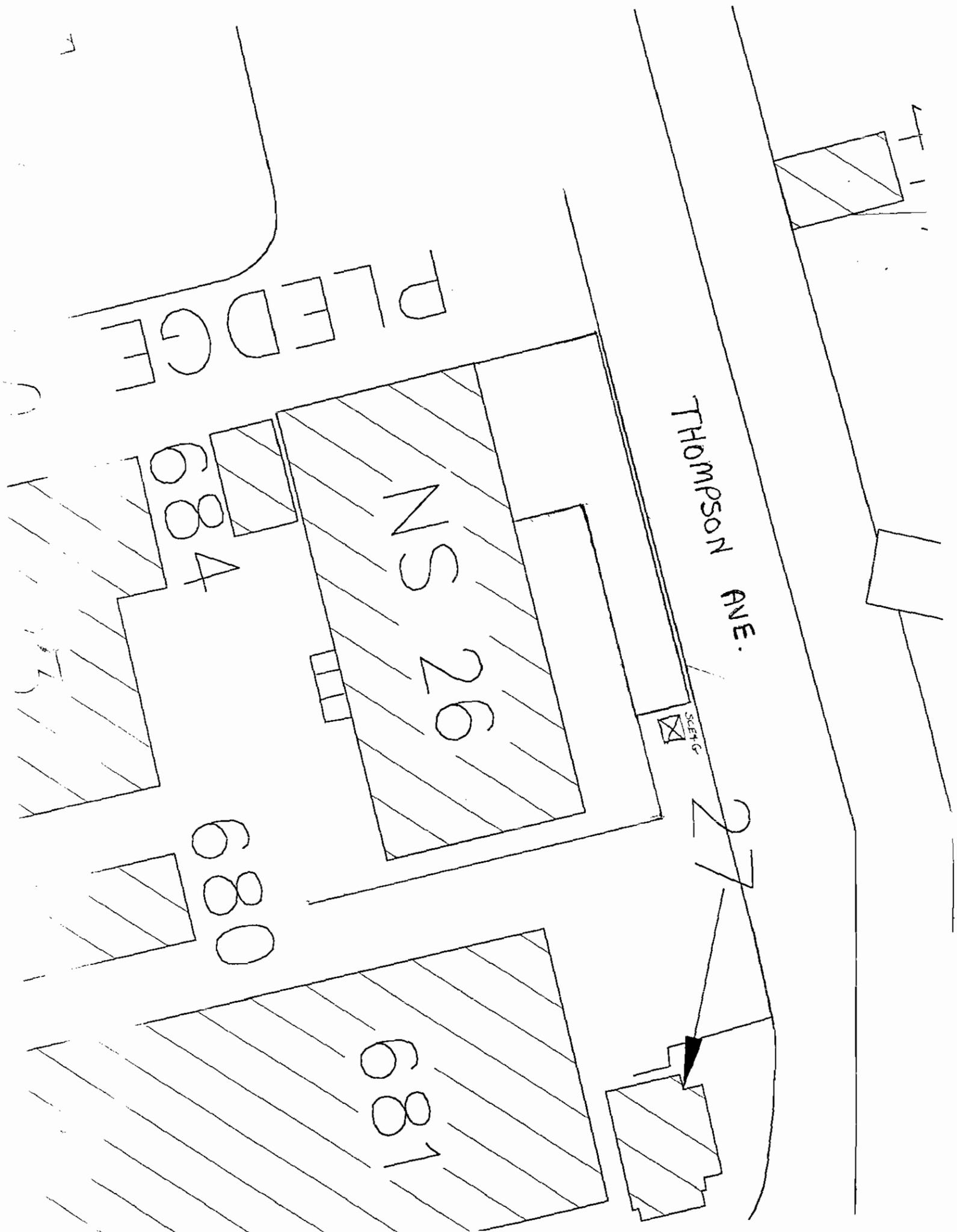
### Environmental Review Comments

This project proposes the following: (a) to relocate fence

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being transported to the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



PLEDGE

THOMPSON AVE.

NS 26

684

680

681

SECT G

27



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 180010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090  
Ser CSO/067  
13 November 2001

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: CMMC REQUEST TO RELOCATE FENCE AT BLDG. NS-26**

Your letter of 2 November 2001 forwarded a request from CMMC to relocate a portion of the fence on the Cooper River side of Bldg. NS-26 for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO.

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO prior to transporting soil to the soil management area. If you have any questions or comments, please contact Amy Daniell at 743-9985.

Sincerely,

A handwritten signature in cursive script that reads "Tom Fressilli".

Tom Fressilli  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

November 2, 2001

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

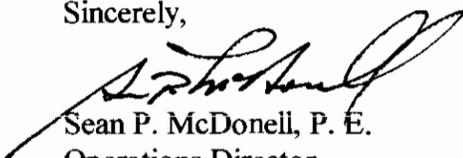
**Subject: CMMC REQUEST TO RELOCATE FENCE AT BLDG NS-26**

Dear Tom:

We are forwarding the request from CMMC to relocate a portion of the fence on the Cooper River side of Building NS-26. This relocation will allow the building tenant to fence in their leased parking area providing additional security for them. We are including a digging permit request for this work and new fence posts will be inserted into the ground.

Thank you in advance for your review of this information. Please contact me with any questions you have regarding this information.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

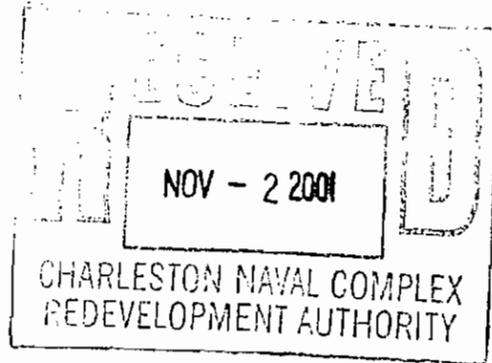
/enclosures



CMMC, LLC

November 01, 2001

Sean McDonell  
Charleston Naval Complex  
Redevelopment Authority  
1360 Truxton Ave., Suite 300  
N. Charleston, SC 29405-2005



Dear Sean,

This is a request to alter the fence on the water side of NS-26 at the SIMA complex. The intent is to remove a portion of the existing fence and to install a new fence which encompasses a portion of the current building parking area. I have included a drawing showing the facility as it presently exists, and the altered fence. The purpose is to provide more secure storage and parking for Flowserve, our current tenant in a large portion of NS-26. The parking spaces along Thompson Avenue currently utilized by Flowserve employees will continue to be used as parking spaces but will be inside the fenced area. It is understood that the new fence must be of the green coated type, and that a digging permit will be required prior to installation.

If you have any questions or comments, please don't hesitate to contact me.

Very truly yours,

  
R. K. Gregory  
Member

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <i>Transportation Lane</i>	<b>Contractor:</b> <i>S. C. Et 6</i>	<b>Date of Request:</b> <i>10-31-01</i>
--	---	--

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand Ditcher <input type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
		Auger <input type="checkbox"/>

Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

*30 FT By 42" By 30' Installing under ground  
Elect. Conduit*

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <i>11-5-01</i>	<b>Termination Date of Permit:</b> <i>11-30-01</i>
<b>Signature of Requesting Official:</b> <i>Richard W. Smith</i>	<b>Date:</b> <i>10-31-01</i> <b>Phone Number:</b> <i>745-6381</i>

## Caretaker Site Office Review

<p><b>Points of Contact:</b></p> <p><b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390</p> <p><b>SCE&amp;G:</b> R.W. Smith (work) 745-6381</p> <p><b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? _____</li> <li>2. Is the Area inside the CIA? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? (See Attached Map)</li> <li>11. What is the serial # of forwarding letter to RDA? <i>N/A</i></li> </ol> <p style="text-align: right;"><b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
---	---

<b>CSO Authorizing Signature:</b> <i>Amy Daniell</i> <i>11/1/01</i>	Date out: <i>11/5/01</i>
<b>CH HILL/J.A. Jones Signature:</b> <i>[Signature]</i> <i>11/1/01</i>	
<b>BEC Signature:</b> <i>M.A. Hut</i> <i>11/5/01</i>	Serial Number: <i>046</i>
<b>CSO Officer Signature:</b> <i>Thomas F. Frenville</i> <i>11/5/2001</i>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 046

Request Date = 31 October 2001

Comments Date = 1 November 2001

Location = In between Bldgs. 241 & 242

### Environmental Review Comments

This project proposes the following: (a) to install underground electrical conduit

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil is being transported to the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

MH10276

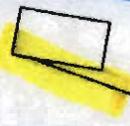
1772

241

MH10277

1172

MH10278



94

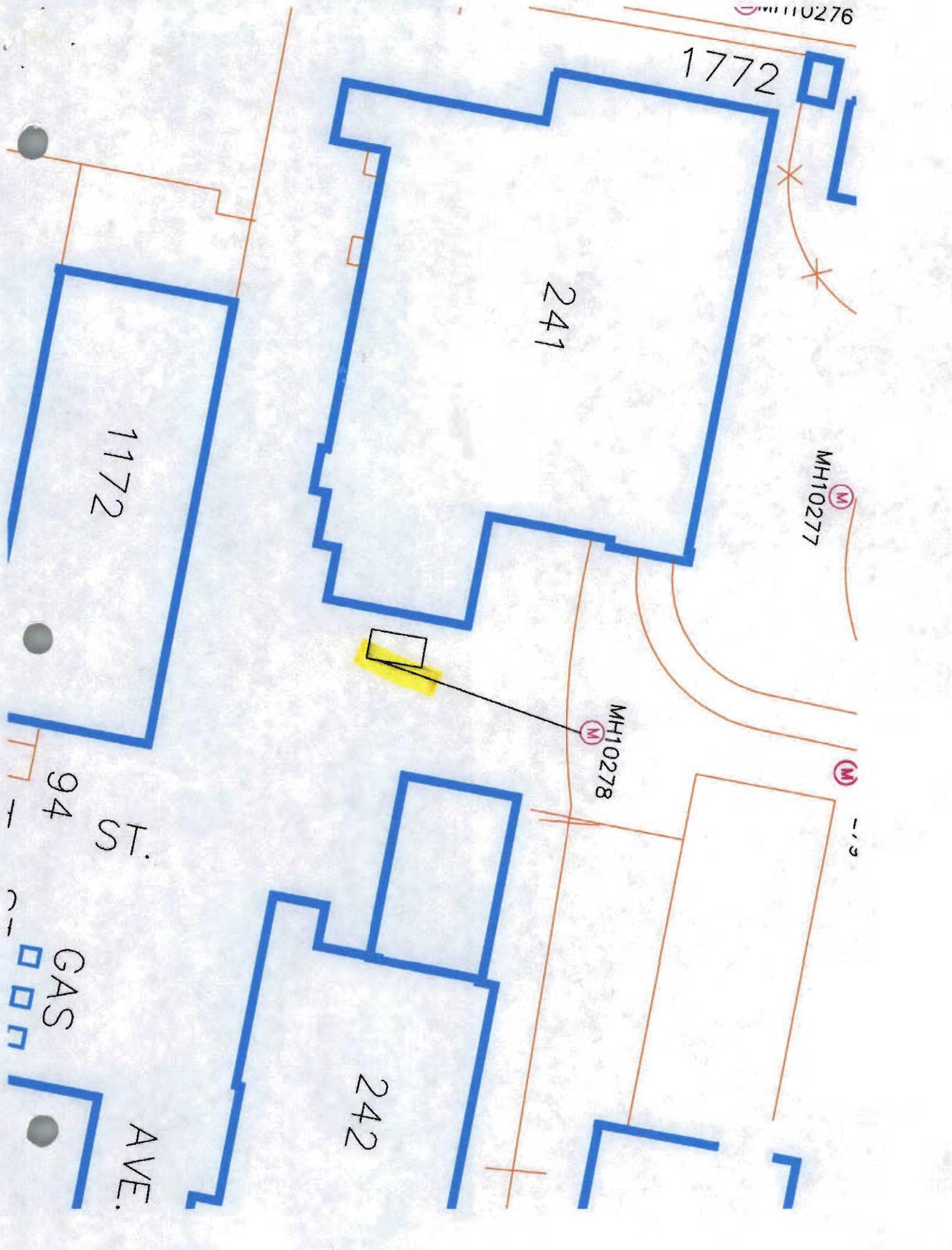
ST.

GAS

AVE.

242

1/3



# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <i>Gobson Ave at NS1</i>	<b>Contractor:</b> <i>S. C. E26</i>	<b>Date of Request:</b> <i>10-29-01</i>
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<b>Has the proposed work been staked out?</b>		<input type="checkbox"/> Yes	<input type="checkbox"/> No
<b>Facility/ Work involved (Please check below)</b>			
Excavation <input type="checkbox"/> Pavements <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/> Other: _____	Railroad Tracks <input type="checkbox"/>	
<b>Overhead Lines :</b> <b>Underground Lines :</b> <b>Method of Excavation:</b>	Utilities <input type="checkbox"/> Utilities <input checked="" type="checkbox"/> Hand <input type="checkbox"/> Ditcher <input type="checkbox"/>	Communications <input type="checkbox"/> Communications <input type="checkbox"/> Power Shovel <input checked="" type="checkbox"/> Auger <input type="checkbox"/>	<input type="checkbox"/> Other: _____

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

*25 FT By 3 FT Deep by 30" wide*

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <i>11-3-01</i>	<b>Termination Date of Permit:</b> <i>11-15-01</i>
<b>Signature of Requesting Official:</b> <i>Richard W. Smith</i>	<b>Date:</b> <i>10-29-01</i> <b>Phone Number:</b> <i>745-6381</i>

## Caretaker Site Office Review

<b>Points of Contact:</b> <b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390  <b>SCE&amp;G:</b> R.W. Smith (work) 745-6381  <b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>Border Patrol</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>N/A</u></li> </ol>
<b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> <i>Amy Daniell</i> <u>10/30/01</u>	<b>Date out:</b> <u>11/5/01</u>
<b>CHILL/J.A. Jones Signature:</b> <i>J.A. Jones</i> <u>10-30-01</u>	
<b>BEC Signature:</b> <i>M. A. [unclear]</i> <u>11/5/01</u>	<b>Serial Number:</b> <u>045</u>
<b>CSO Officer Signature:</b> <i>Thomas F. Frenette</i> <u>11/6/01</u>	

HOBSON

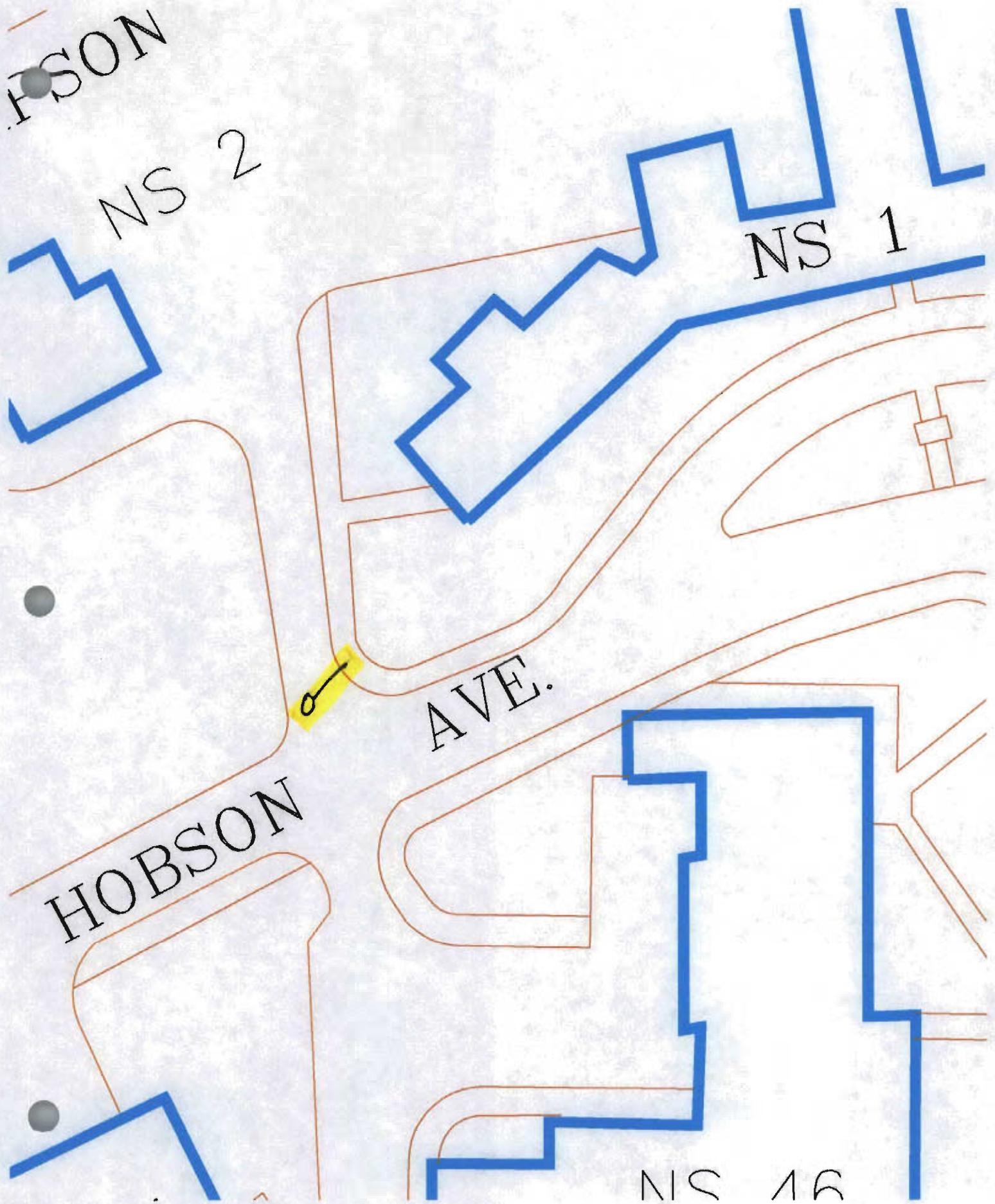
NS 2

NS 1

AVE.

HOBSON

NS 16



## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 045  
Request Date = 29 October 2001  
Comments Date = 30 October 2001  
Location = Hobson Ave. in front of Bldg. NS-1

### Environmental Review Comments

This project proposes the following: (a) to install electrical conduit

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site and there are no signs of contamination, the CSO should be notified that the soil is being disposed at the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <span style="font-size: 1.2em;">C Holland St.</span>	<b>Contractor:</b> <span style="font-size: 1.2em;">S.C. E &amp; G</span>	<b>Date of Request:</b> <span style="font-size: 1.2em;">10-29-01</span>
--	---	--

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	
Overhead Lines : <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input checked="" type="checkbox"/>

Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

6 FT Deep / 30" wide

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <span style="font-size: 1.2em;">10-30-01</span>	<b>Termination Date of Permit:</b> <span style="font-size: 1.2em;">10-31-01</span>
<b>Signature of Requesting Official:</b> <span style="font-size: 1.2em;">Richard W. Smith</span>	<b>Date:</b> <span style="font-size: 1.2em;">10-29-01</span> <b>Phone Number:</b> <span style="font-size: 1.2em;">745-6381</span>

Caretaker Site Office Review	
<b>Points of Contact:</b> <b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390  <b>SCE&amp;G:</b> R.W. Smith (work) 745-6381  <b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <span style="font-size: 1.2em;">RDA</span></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( _____ )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( _____ )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <span style="font-size: 1.2em;">(See Attached Map)</span></li> <li>11. What is the serial # of forwarding letter to RDA? <span style="font-size: 1.2em;">N/A</span></li> </ol> <p style="text-align: right; margin-top: 10px;"> <b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No                 </p>

<b>CSO Authorizing Signature:</b> <span style="font-size: 1.2em;">Amy Daniell</span>	<b>Date out:</b> <span style="font-size: 1.2em;">11/5/01</span>
<b>CHILL/J.A. Jones Signature:</b> <span style="font-size: 1.2em;">[Signature] 10-30-01</span>	
<b>BEC Signature:</b> <span style="font-size: 1.2em;">[Signature] 11/5/01</span>	<b>Serial Number:</b> <span style="font-size: 1.2em;">044</span>
<b>CSO Officer Signature:</b> <span style="font-size: 1.2em;">Thomas F. Frawley 11/05/2001</span>	



## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 044

Request Date = 29 October 2001

Comments Date = 30 October 2001

Location = Holland St. beside Bldg. NS-79

### Environmental Review Comments

This project proposes the following: (a) to install electrical conduit

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being disposed at the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> Ave D west of Blvd 7	<b>Contractor:</b> S.C. E26	<b>Date of Request:</b> 10-29-01
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Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

20' long X 3' Deep X 30 wide

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> 11-1-01	<b>Termination Date of Permit:</b> 11-5-01
<b>Signature of Requesting Official:</b> Richard W. Smith	<b>Date:</b> 10-29-01 <b>Phone Number:</b> 745-6381

### Caretaker Site Office Review

<b>Points of Contact:</b> CPW : Robert Sagasser (work) 529-0653 (page) 570-0390  SCE&G: R.W. Smith (work) 745-6381  RDA: Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>RDA</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>N/A</u></li> </ol>
Permit Approved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> <u>Amy Daniell 11/6/01</u>	<b>Date out:</b> <u>11/6/01</u>
<b>CHILL/J.A. Jones Signature:</b> <u>[Signature]</u>	
<b>BEC Signature:</b> <u>M.A. Hunt 11/6/01</u>	<b>Serial Number:</b> <u>043</u>
<b>CSO Officer Signature:</b> <u>Thomas F. Fossella 11/06/01</u>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 043  
Request Date = 29 October 2001  
Comments Date = 6 November 2001  
Location = Ave. D West of Bldg. 7

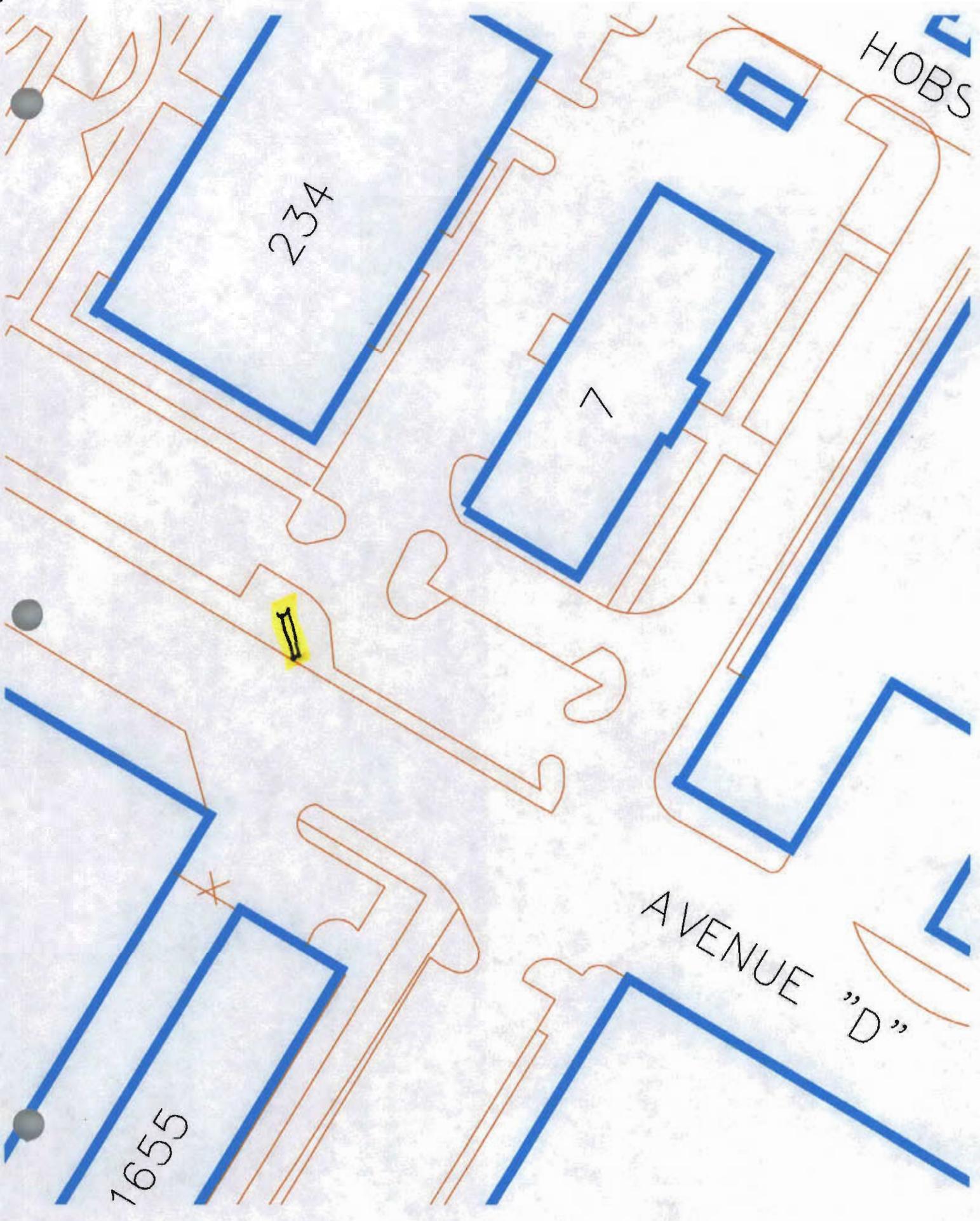
### Environmental Review Comments

This project proposes the following: (a) to install electrical conduit

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being disposed at the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



234

7

1655

AVENUE "D"

HOBS



# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <u>Hobson Ave Pier "N"</u>	<b>Contractor:</b> <u>S.C.E &amp; G</u>	<b>Date of Request:</b> <u>10-25-01</u>
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**Has the proposed work been staked out?**  Yes  No

**Facility/ Work involved (Please check below)**

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____	
<b>Overhead Lines :</b>	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
<b>Underground Lines :</b>	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
<b>Method of Excavation:</b>	Hand <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

Installing Electric conduit From Hobson Ave To The South Side of Pier "N" 2" x 40' x 246'

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <u>10-25-01</u>	<b>Termination Date of Permit:</b> <u>11-25-01</u>
<b>Signature of Requesting Official:</b> <u>Richard W. Smith</u>	<b>Date:</b> <u>10-25-01</u> <b>Phone Number:</b> <u>745-6381</u>

## Caretaker Site Office Review

<p><b>Points of Contact:</b></p> <p><b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390</p> <p><b>SCE&amp;G:</b> R.W. Smith (work) 745-6381</p> <p><b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>RDA</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>N/A</u></li> </ol> <p style="text-align: right;"><b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
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<b>CSO Authorizing Signature:</b> <u>Amy Daniell</u> <u>11/6/01</u>	<b>Date out:</b> <u>11/6/01</u>
<b>CH HILL/J.A. Jones Signature:</b> <u>[Signature]</u>	
<b>BEC Signature:</b> <u>M.A. Hunt</u> <u>11/6/01</u>	<b>Serial Number:</b> <u>042</u>
<b>CSO Officer Signature:</b> <u>Thomas F. Fresville</u> <u>11/06/01</u>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 042  
Request Date = 25 October 2001  
Comments Date = 6 November 2001  
Location = Hobson Ave. at Pier N

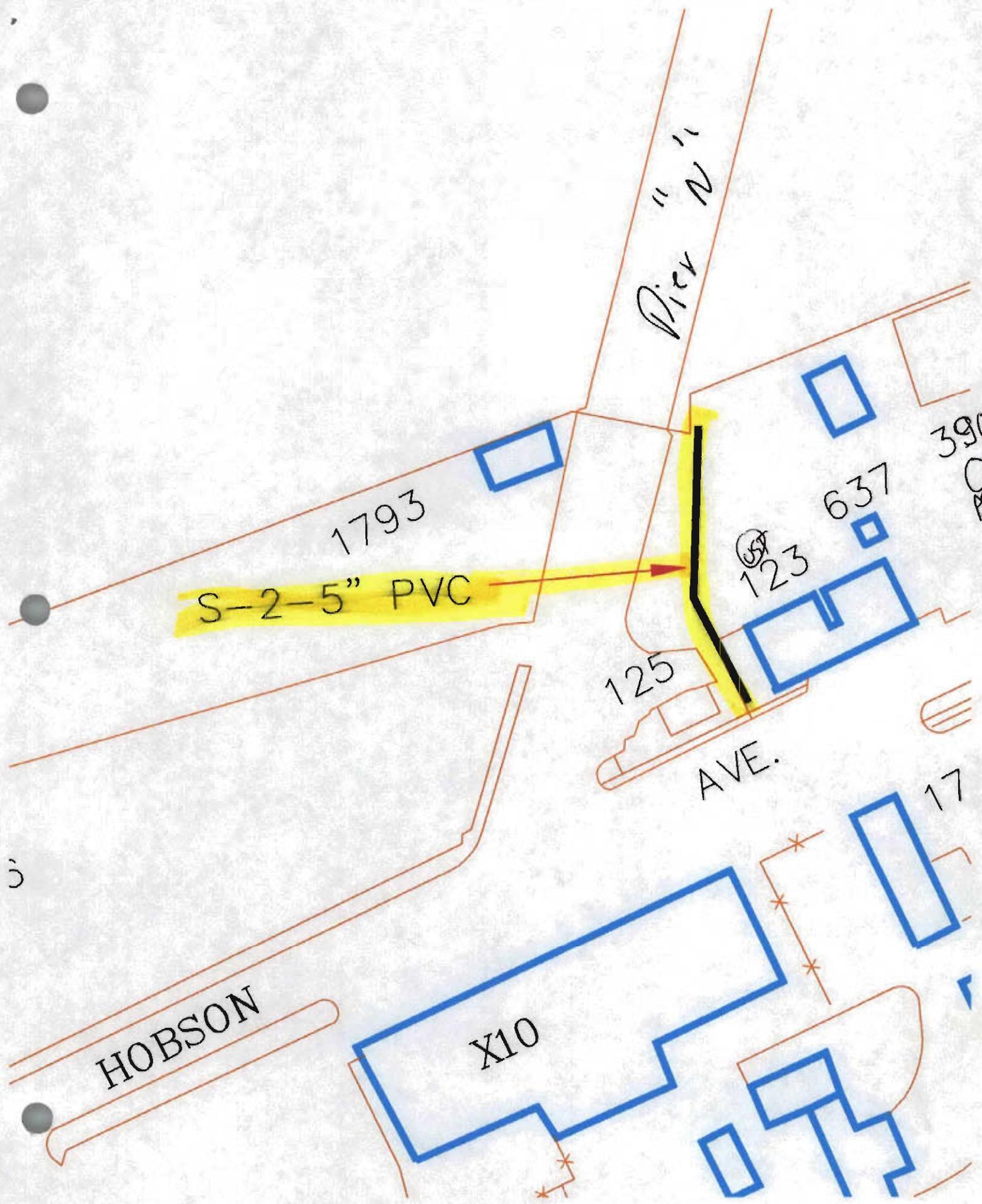
### Environmental Review Comments

This project proposes the following: (a) to install electrical conduit

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being disposed at the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



Pier "N"

1793

S-2-5" PVC

123

637

390°

125

AVE.

HOBSON

X10

17

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: top portion, Sign and date.

Location: AREA AROUND NS-1 Contractor: US BORDER PATROL Date of Request: EMORY INFINGER 10-25-01

Has the proposed work been staked out?  Yes  No AND ASSOC. CONSTR.

Facility/ Work Involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____	
Overhead Lines : _____	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
	Ditcher <input checked="" type="checkbox"/>	Auger <input checked="" type="checkbox"/>
		<input type="checkbox"/> Other: _____

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

PILING, LIGHT POLE BASES, GROUNDING GRID, GATE CONTROLLERS, STORM DRAINAGE BOXES, EXISTING DUCT BANK DEMO MISC. CONCRETE PAD DEMO. SOME (SABC AND LANDSCAPED AREAS EXISTING STORM PIPE SURROUND SABC DEMO

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: ASAP Termination Date of Permit: March 2002

Signature of Requesting Official: Date: 10/25/01 Phone Number: 7529-9990

## Caretaker Site Office Review

<p><b>Points of Contact:</b></p> <p><b>CPW:</b> Robert Sagasser (work) 529-0653 (page) 570-0390</p> <p><b>SCE&amp;G:</b> R.W. Smith (work) 745-6381</p> <p><b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>Border Patrol</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (<u>AOC 678</u>)</li> <li>5. Has DHEC been notified? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? _____ (See Attached Map)</li> <li>11. What is the serial # of forwarding letter to RDA? <u>N/A - Letter to Border Patrol 065</u></li> </ol>
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Permit Approved?  Yes  No

CSO Authorizing Signature: Amy Daniell 10/29/01 Date out: 10/29/01

CH2MHILL/J.A. Jones Signature: 10/29/01

BEC Signature: M.A. Hunt 10/26/01 Serial Number: 041

CS Officer Signature: Amy Daniell for Tom Frisvelli 10/29/01

*\* see attached comments*

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <span style="font-size: 1.2em;">CREA AROUND NS-1</span>	<b>Contractor:</b> US BORDER PATROL <span style="font-size: 1.2em;">EMORY INFINGER</span>	<b>Date of Request:</b> <span style="font-size: 1.2em;">10-25-01</span>
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Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/> Pavements <input type="checkbox"/> Overhead Lines : Underground Lines : Method of Excavation:	Drainage Ditches <input type="checkbox"/> Other: _____ Utilities <input checked="" type="checkbox"/> Utilities <input checked="" type="checkbox"/> Hand Ditcher <input checked="" type="checkbox"/>	Railroad Tracks <input type="checkbox"/> Communications <input type="checkbox"/> Communications <input type="checkbox"/> Power Shovel <input type="checkbox"/> Auger <input checked="" type="checkbox"/>
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Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

PILING, LIGHT POLE BASES, GROUNDING  
 GRID, GATE CONTROLLERS, STORM DRAINAGE  
 BOXES,

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

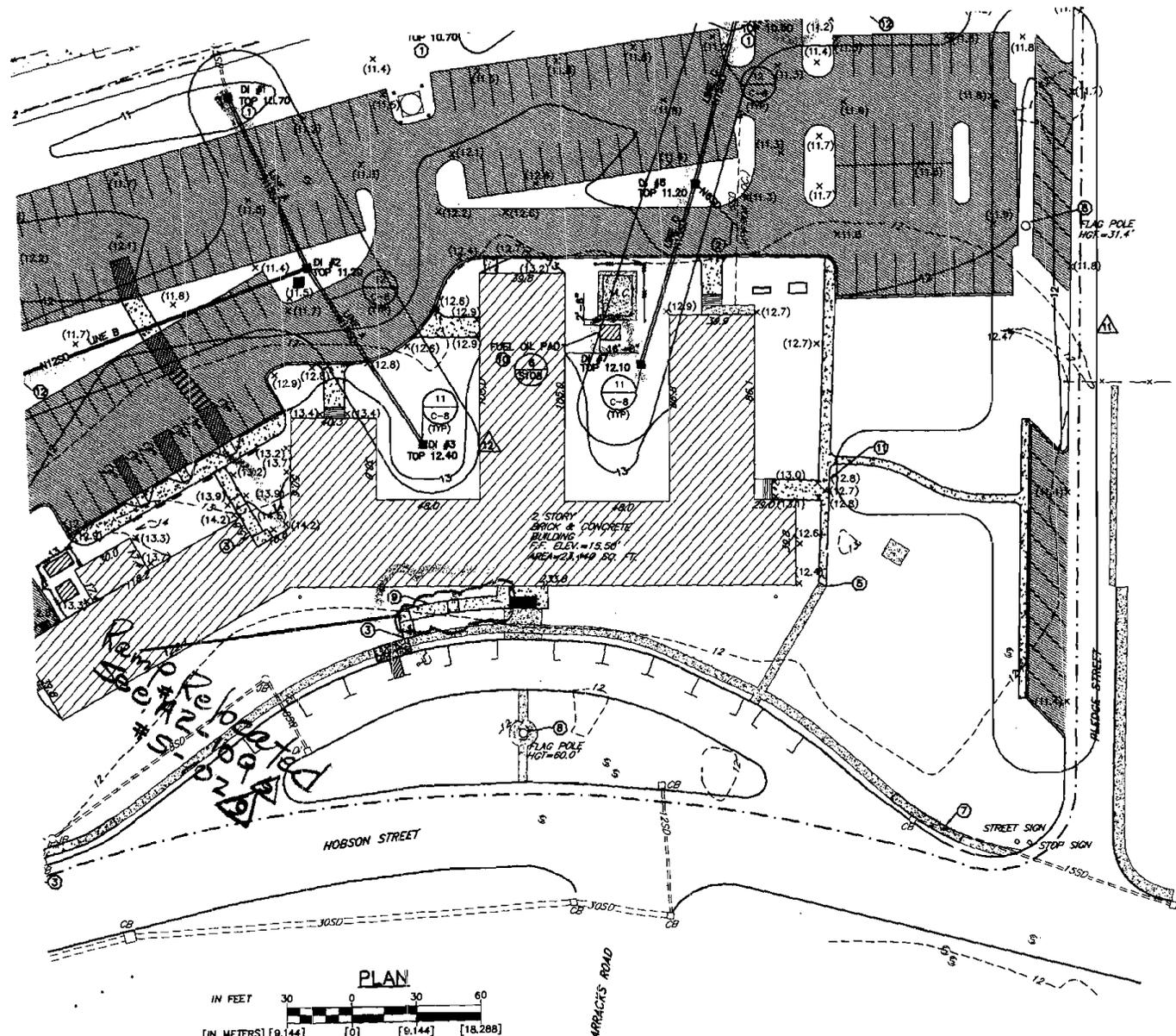
<b>Date Permit Required:</b> <span style="font-size: 1.2em;">ASAP</span>	<b>Termination Date of Permit:</b> <span style="font-size: 1.2em;">March 2002</span>
<b>Signature of Requesting Official:</b> <span style="font-size: 1.2em;">[Signature]</span>	<b>Date:</b> <span style="font-size: 1.2em;">10/25/01</span> <b>Phone Number:</b> <span style="font-size: 1.2em;">7529-9990</span>

## Caretaker Site Office Review

<b>Points of Contact:</b> CRW : Robert Sagasser (work) 529-0653 (page) 570-0390  SCE&G: R.W. Smith (work) 745-6381  RDA: Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <span style="font-size: 1.2em;">Border Patrol</span></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (AOC 678)</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? (See Attached Map)</li> <li>11. What is the serial # of forwarding letter to RDA? <span style="font-size: 1.2em;">N/A - Letter to Border Patrol 065</span></li> </ol>
Permit Approved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> <span style="font-size: 1.2em;">Amy Daniell</span> <span style="font-size: 1.2em;">10/29/01</span>	Date out: <span style="font-size: 1.2em;">10/29/01</span>
<b>CH2MHILL/J.A. Jones Signature:</b> <span style="font-size: 1.2em;">[Signature]</span> <span style="font-size: 1.2em;">10/29/01</span>	
<b>BEP Signature:</b> <span style="font-size: 1.2em;">M.A. [Signature]</span> <span style="font-size: 1.2em;">10/26/01</span>	Serial Number: <span style="font-size: 1.2em;">0A1</span>
<b>CSO Officer Signature:</b> <span style="font-size: 1.2em;">Amy Daniell for Tom Frossilte</span> <span style="font-size: 1.2em;">10/29/01</span>	

\* see attached comments



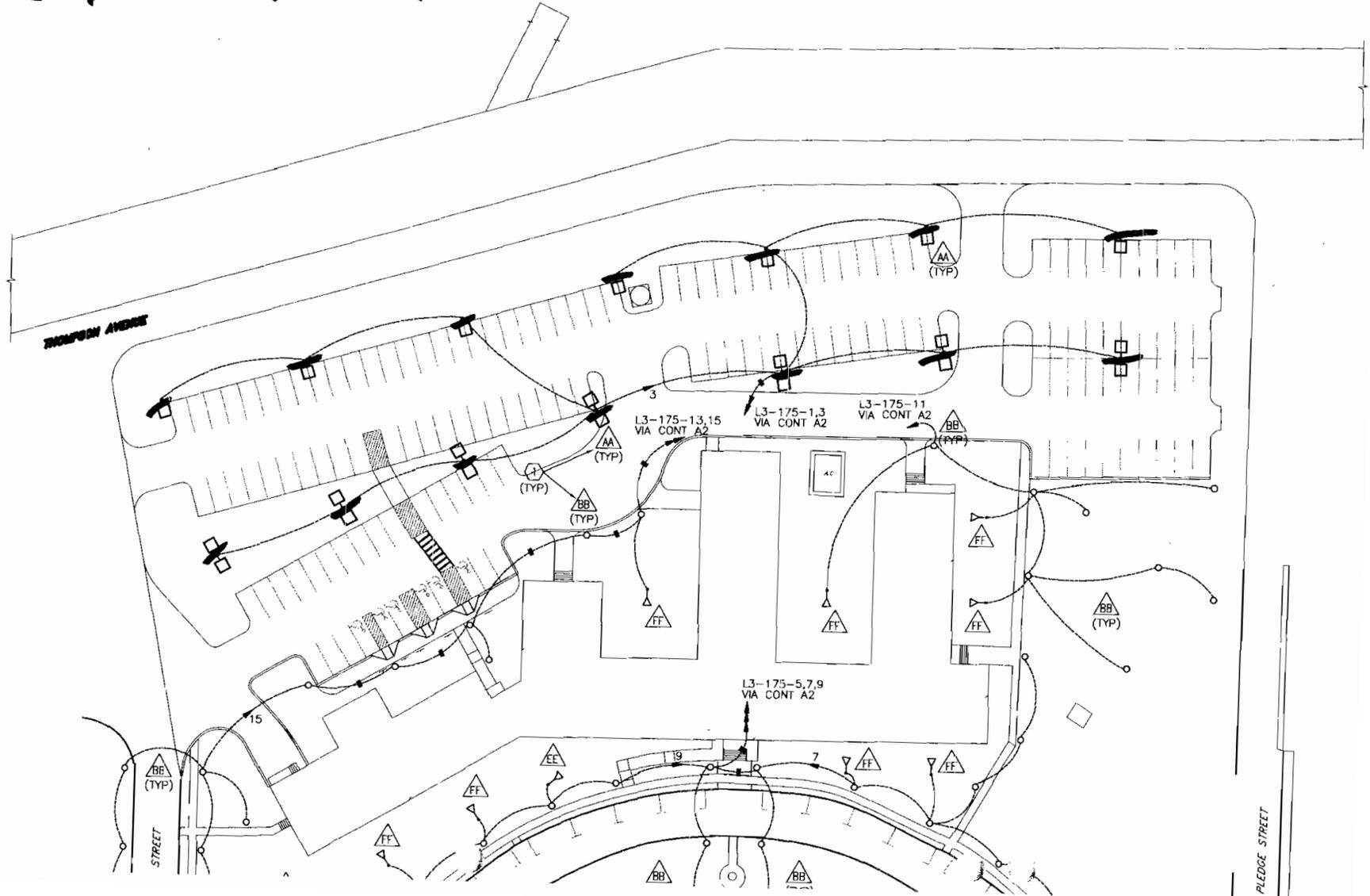
MONITORING WELL	⊙ M.W.
VALVE BOX	□ V.B.
CLEAN OUT	○
MANHOLE	⊙
PLUG	—
FLOOD LIGHT	▶ F.L.
LAMP POLE	⋄ L.P.
ELECT. MANHOLE	⊙ (ELEC.)
TRANSFORMER	□ TRANS.
ELEC. BOX	□ ELEC.
CONTOUR	--- 5' ---
STORM DRAIN	--- 18SD ---
CATCH BASIN	CB □
DROP INLET	DI □
JUNCTION BOX	JB □
SPOT ELEVATION	x 51.5
PICNIC TABLE	x (51.5)
SOIL BORING (APPROX. LOC. - BY OTHERS)	⊗
LIMITS OF CONSTRUCTION	--- L1SSD ---
COORDINATE POINT	⊕ PT1
DEMOLITION	⊘
HANDICAP RAMP	▤
SECURITY GATE	—

- NOTES:**
- BUILD NEW DROP INLETS AT LOCATION OF EXISTING BOXES.
  - EXISTING 6" CAST IRON PIPE DRAINS CRAWL SPACE OF BUILDING AND IS MECHANICALLY PLUGGED AT THE SANITARY SEWER MANHOLE. LOCATE EXISTING PIPE AND, AT THE APPROPRIATE LOCATION INDICATED, INTERCEPT AND CONNECT TO DI #6 USING CAST IRON SOIL PIPE OR PVC PIPE. EXISTING 6" DRAIN BETWEEN CONNECTION AND SS MANHOLE MAY BE ABANDONED OR REMOVED AS NECESSARY. DO NOT REMOVE MECHANICAL PLUG AT MANHOLE.
  - SEE ARCHITECTURAL PLANS FOR RAMPS AND LOADING SPACE.
  - DETERMINE ELEVATION OF BOTTOM STEPS AND LOCATE ARCHITECT FROM TO CONSTRUCTING SIDEWALK.
  - MATCH ELEVATION OF EXISTING SIDEWALK.
  - CONSTRUCT 75 LF OF SIDEWALK. MATCH EXISTING SIDEWALK WIDTH.
  - CONSTRUCT 33 LF OF SIDEWALK. MATCH EXISTING SIDEWALK WIDTH.
  - RE-INSTALL REFURBISHED FLAGPOLE.
  - CONTRACTOR TO COORDINATE LAYOUT OF RAMP CURVE TO PROVIDE ADEQUATE CLEARANCE FOR E.T.R. SEWER MH. COORDINATE LOCATION OF PILING TO ADEQUATELY CLEAR SEWER LINE TO STREET. CONTRACTOR TO PROVIDE COORDINATED SHOP DRAWINGS FOR APPROVAL PRIOR TO COMMENCEMENT OF WORK IN THIS AREA.
  - REFER TO STRU. & MEC. DRAWINGS FOR ADDITIONAL WORK.
  - CONSTRUCT 112 LF OF 5' SIDEWALK, 36 LF OF 3.5' SIDEWALK AND 23 LF OF 9' SIDE WALK.
  - INSTALL ALL DROP INLETS AND PIPE ON PILES. DRIVE PILES @ MID-SPAN OF PIPE SECTIONS.

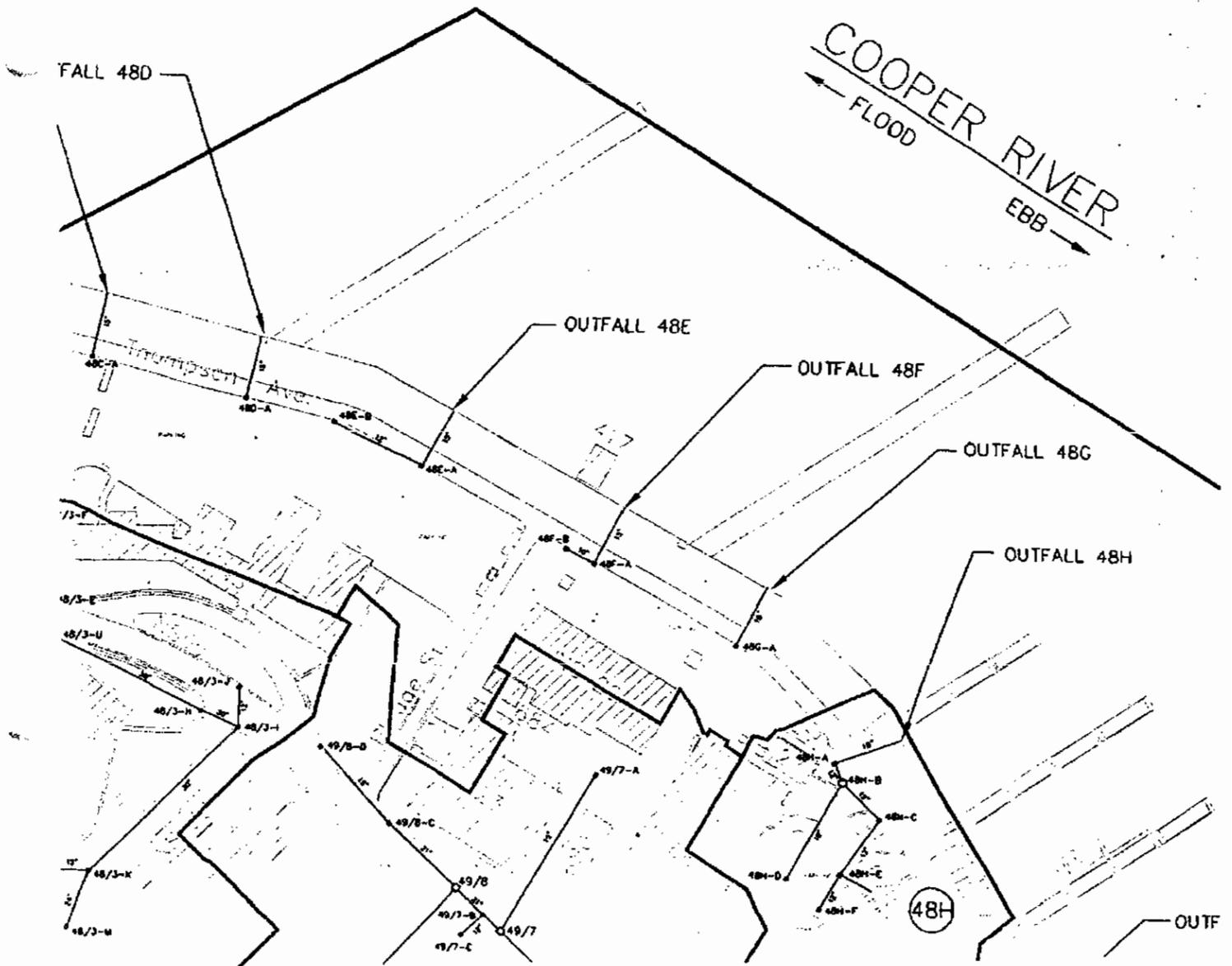
E  
C  
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F  
Reg  
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RI  
P  
FOR CX  
No. 5  
Issued  
Scale:  
Projec  
Drawn  
Check

- Light pole base 2'  $\phi$  x 6' deep (concrete)  
2' deep trenches for lighting circuits

COOPER RIVER









**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090  
Ser CSO/065  
29 October 2001

Mr. Gary Crawford  
US Border Patrol Academy  
2000 Bainbridge Avenue  
North Charleston, SC 29405

Dear Mr. Crawford:

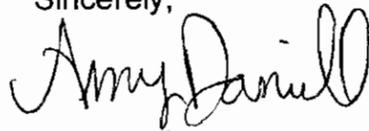
**SUBJECT: DIG PERMIT FOR AREA AROUND NS-1**

On 25 October 2001, a request from Emory Infinger to install pilings, light pole bases, grounding grid, gate controllers, and storm drainage boxes in the area around Bldg. NS-1 was forwarded for our consideration and approval. The work will be taking place at or near contaminated areas. In these areas, the Navy has identified a release of hazardous substances has occurred, but corrective actions have not been completed. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the CSO.

The enclosed digging permit is approved. For specific contaminants that may be encountered throughout the base, please see the comments attached to the digging permit. Please also note that there are monitoring wells that shall not be disturbed in the vicinity of where the digging is to take place. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please contact the Caretaker Site Office for disposal instructions.

If you have any questions or comments, please contact Rick Nielson or myself at 743-9985.

Sincerely,

A handwritten signature in black ink that reads "Amy Daniell". The signature is written in a cursive style with a large, looped initial "A".

Amy Daniell  
Caretaker Site Office  
By the direction of the Commander

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 041  
Request Date = 25 October 2001  
Comments Date = 29 October 2001  
Location = Area Around Bldg. NS-1

### Environmental Review Comments

This project proposes the following: (a) to install pilings, light pole bases, grounding grid, gate controllers, and storm drainage boxes.

The Navy has identified that in this area a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site, the CSO should be notified for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

## CH2M-JONES, LLC

---

October 29, 2001

To: Charleston Caretaker Site Office (CSO)  
From: CH2M-JONES, LLC

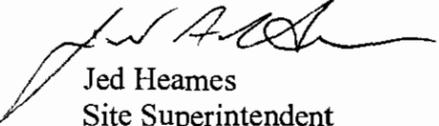
Subject: DIG PERMIT FOR NS-1 CONSTRUCTION WORK, CSO PERMIT NUMBER  
041

CH2M-JONES, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 041, and identified that the proposed work area north of Building NS-1 is near an area where Underground Storage Tanks once existed and within the footprint of Areas of Concern (AOCs) 678/679. The RCRA Facility Investigation (RFI) Report identified isodrin as a residential contaminate of concern and petroleum contaminates (Benzo(a)pyrene equivalents). This site is still under investigation awaiting South Carolina Department of Health and Environmental Control (SCDHEC) to address CH2M-JONES, LLC comment resolutions. Additionally, this site may be placed under the SCDHEC Underground Storage Tank (UST) Program requiring a Corrective Action Plan (CAP) and ground water monitoring. To support this monitoring existing monitoring wells north of NS-1 would be utilized and should not be disturbed (five foot radius).

See attached RFI reports sheets for additional site information.

CH2M-JONES, LLC may have to perform ground water monitoring and possible remedial actions at this site but no actions are scheduled at this time.

Respectfully,  
CH2M-JONES, LLC



Jed Heames  
Site Superintendent

assessed in this HHRA. The groundwater pathway was not assessed since there were no COPCs identified. Table 10.4.21 presents the risk summary for each pathway/receptor group evaluated for combined AOC 678/679.

#### **Soil — Residential Scenario**

The residential soil pathway COC identified for combined AOC 678/679 is isodrin. Figures 10.4.9 and 10.4.10 illustrate point risk and hazard estimates for combined AOC 678/679 based on surface soil exposure pathways under a future residential scenario. Table 10.4.22 summarizes the risk and hazard contribution of each COC at each sample location. This point risk map is based on the unlikely assumption that a potential future site resident will be chronically exposed to specific points. Exposure to surface soil conditions is more likely the result of uniform exposure to the soil conditions of the entire site (or exposure unit area) rather than specific points. With this in mind, risk maps supplemented by the tables are useful in that they allow the reader to visualize how chemicals driving risk estimates are spatially distributed across the site.

Only two sample locations yielded ILCRs that were greater than 1E-06 (678SB003 and 678SB008). Benzo(a)pyrene equivalents were the primary contributors to risk at these locations. Risk estimates at combined AOC 678 ranged from 6E-07 at 679SB015 to 4E-06 at 678SB003 with a mean risk estimate of 4E-07.

#### **Soil — Future Site Worker Scenario**

No industrial soil pathway COCs were identified for combined AOC 678/679.

#### **Groundwater — Residential Scenario**

There were no COPCs identified for combined AOC 678/679 groundwater.

exposure can cause emotional and neuromuscular disturbances, and reproductive effects have also been shown to be caused by overexposure to these pesticides. Aldrin accumulates in adipose tissue as an epoxide (i.e., in the form of dieldrin) (Klaassen, et al., 1986). Exposed individuals revert to normal approximately one week after the dieldrin source is removed (Dreisbach, et al, 1987).

**Phorate** is an organophosphorus insecticide and acaricide used to control sucking and chewing insects and is used in pine forests and on root and field crops. The critical effect for phorate is cholinesterase inhibition. Phorate is readily absorbed by the skin and the gastrointestinal tract. The major breakdown products of phorate in mammals are more toxic and have greater anticholinesterase activity than phorate (EXTOXNET). HEAST lists a chronic oral RfD of 0.0002 mg/kg-day.

#### 10.4.6.5 Risk Characterization

##### Surface Soil Pathways

Exposure to surface soil onsite was evaluated under both residential and industrial (site worker) scenarios. For these scenarios, the incidental ingestion and dermal contact exposure pathways were evaluated. For noncarcinogenic contaminants evaluated for future site residents, HQs were computed separately to address child and adult exposure. Tables 10.4.18 and 10.4.19 present the computed carcinogenic risks and/or HQs associated with the incidental ingestion of and dermal contact with COPs in site surface soils, respectively.

##### *Hypothetical Site Residents*

The ingestion ILCR (based on the adult and child lifetime weighted average) for combined AOC 678/679 surface soils is 2E-06. The dermal pathway ILCR is 1E-06. Isodrin was the primary contributor for each pathway with benzo(a)pyrene equivalents contributing to a lesser extent.

The computed hazard indices for the adult resident were 0.01 for the soil ingestion pathway and 0.004 for the dermal contact pathway. The computed hazard indices for the child ingestion and dermal contact pathways were 0.1 and 0.01 respectively. The primary contributors were chromium and isodrin in each case.

#### ***Future Site Workers***

Site worker ILCRs are 2E-07 and 4E-07 for the ingestion and dermal contact pathways, respectively. Each COPC contributed less than 1E-06 to the sum ILCR for both pathways. Hazard indices for the ingestion and dermal hypothetical pathways were both projected to be less than 0.01 for the future site worker scenario.

The entire area which comprises combined AOC 678/679 is an asphalt parking lot. Current site users have little chance of exposure to affected surface soil. As a result, the risk/hazard projections discussed above are considered gross overestimates should existing site features be maintained under future use scenarios.

#### **COCs Identified**

COCs were identified based on cumulative (all pathway) risk projected for this site, as shown in Table 10.4.20. USEPA has established a generally acceptable risk range of 1E-04 to 1E-06, and a hazard index threshold of 1 (unity). As recommended by SCDHEC, a COC was considered to be any chemical contributing to a cumulative risk level of 1E-06 or greater and/or a cumulative hazard index above 1, and whose individual ILCR exceeds 1E-06 or whose HQ exceeds 0.1. For carcinogens, this approach is relatively conservative, because a cumulative risk level of 1E-04 (and individual ILCR of 1E-06) is recommended by USEPA Region IV as the trigger for establishing COCs. The COC selection method presented was used in order to provide a more comprehensive evaluation of chemicals contributing to carcinogenic risk or noncarcinogenic hazard during the remedial goal options development process.

Table 10.4.19  
Hazard Quotients and Incremental Lifetime Cancer Risks  
Dermal Contact With Surface Soil  
AOC 678/679  
Charleston Naval Complex  
Charleston, SC

Chemical	Dermal Adjustment <sup>+</sup>	Oral RfD Used (mg/kg-day)	Oral SF Used (mg/kg-day) <sup>-1</sup>	Future Resident adult Hazard Quotient	Future Resident child Hazard Quotient	Future Resident LWA ILCR	Future Worker adult Hazard Quotient	Future Worker adult ILCR
Benzo(a)pyrene Equivalents	0.5	ND	14.6	ND	ND	2.6E-07	ND	1.1E-07
Chromium (Cr)	0.2	0.001	ND	0.0020	0.0065	ND	0.0014	ND
Isodrin *	0.5	0.000015	34	0.0022	0.0074	7.1E-07	0.0016	2.9E-07
Phorate	0.5	0.0001	ND	0.000056	0.00019	ND	0.000040	ND
SUM Hazard Index/ILCR				0.004	0.01	1E-06	0.003	4E-07

**NOTES:**

NA Not available

ND Not Determined due to lack of available information

LWA lifetime weighted average; used to calculate excess carcinogenic risk derived from RAGS Part A

ILCR Incremental Lifetime excess Cancer Risk

<sup>+</sup> Dermal to absorbed dose adjustment factor is applied to adjust for Oral SF and RfD (i.e., the oral RfD is based on oral absorption efficiency which should not be applied to dermal exposure and dermal CDI)

\* The RfD and SG for aldrin were used as surrogate toxicity values for isodrin.

Table 10.4.18  
Hazard Quotients and Incremental Lifetime Cancer Risks  
Incidental Surface Soil Ingestion  
AOC 678/679  
Charleston Naval Complex  
Charleston, SC

Chemical	Oral RfD Used (mg/kg-day)	Oral SF Used (mg/kg-day) <sup>-1</sup>	Future Resident adult Hazard Quotient	Future Resident child Hazard Quotient	Future Resident LWA ILCR	Future Worker adult Hazard Quotient	Future Worker adult ILCR
Benzo(a)pyrene Equivalent	NA	7.3	ND	ND	5.8E-07	ND	6.5E-08
Chromium (Cr)	0.005	NA	0.010	0.090	ND	0.0034	ND
Isodrin *	0.00003	17	0.0027	0.025	1.6E-06	0.0010	1.8E-07
Phorate	0.0002	NA	0.000068	0.00064	ND	0.000024	ND
SUM Hazard Index/ILCR			0.01	0.1	2E-06	0.004	2E-07

**NOTES:**

\* The RfDo and SFo for aldrin were used as surrogate toxicity values for isodrin.

NA Not available

ND Not Determined due to lack of available information

LWA lifetime weighted average; used to calculate excess carcinogenic risk derived from RAGS Part A

ILCR Incremental Lifetime excess Cancer Risk

Table 10.4.21  
 Summary of Risk and Hazard for AOC 678/679  
 Charleston Naval Complex  
 Charleston, South Carolina

Medium	Exposure Pathway	HI (Adult)	HI (Child)	ILCR (LWA)	HI (Worker)	ILCR (Worker)
Surface Soil	Incidental Ingestion	0.01	0.1	2E-06	0.004	2E-07
	Dermal Contact	0.004	0.01	1E-06	0.003	4E-07
Sum of All Pathways		0.017	0.13	3E-06	0.007	6E-07

**Notes:**

ND indicates not determined due to the lack of available risk information.

ILCR indicates incremental excess lifetime cancer risk

HI indicates hazard index

## Daniell, Amy (Efdsouth)

---

**From:** Daniell, Amy (Efdsouth)  
**Sent:** Monday, October 29, 2001 2:36 PM  
**To:** 'scaturdm@dhec.state.sc.us'  
**Cc:** Hunt, Tony (Efdsouth)  
**Subject:** Border Patrol to install poles in vicinity of AOC 678

This e-mail's purpose is to provide you with notification that Emory Infinger, a contractor for Border Patrol, will be installing pilings, light pole bases, grounding grids, gate controllers, and storm drainage boxes in the area of AOC 678. We have notified Border Patrol and Emory Infinger that they will be digging in an area of concern and the contaminants they may encounter and to take necessary precautions to minimize dermal exposure to their workers. They are also to stop work immediately if there is suspect soil or an unusual odor. Please contact our office if you have any questions or concerns.





DEPARTMENT OF THE NAVY

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-0010

5090  
Ser CSO/065  
29 October 2001

Mr. Gary Crawford  
US Border Patrol Academy  
2000 Bainbridge Avenue  
North Charleston, SC 29405

Dear Mr. Crawford:

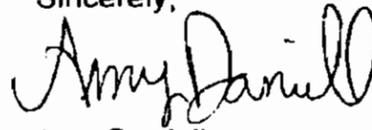
**SUBJECT: DIG PERMIT FOR AREA AROUND NS-1**

On 25 October 2001, a request from Emory Infinger & Associates Const. Co. to install pilings, light pole bases, grounding grid, gate controllers, and storm drainage boxes in the area around Bldg. NS-1 was forwarded for our consideration and approval. The work will be taking place at or near contaminated areas. In these areas, the Navy has identified a release of hazardous substances has occurred, but corrective actions have not been completed. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the CSO.

The enclosed digging permit is approved. For specific contaminants that may be encountered throughout the base, please see the comments attached to the digging permit. Please also note that there are monitoring wells that shall not be disturbed in the vicinity of where the digging is to take place. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please contact the Caretaker Site Office for disposal instructions.

If you have any questions or comments, please contact Rick Nielson or myself at 743-9985.

Sincerely,

A handwritten signature in black ink that reads "Amy Daniell". The signature is written in a cursive, flowing style.

Amy Daniell  
Caretaker Site Office  
By the direction of the Commander

Requester: Fill out top portion, Sign and date.

Location: AREA AROUND NS-1 Contractor: US BORDER PATROL Date of Request: EMORY INFINGER 10-25-01

Has the proposed work been staked out? [ ] Yes [ ] No
Facility/ Work involved (Please check below)
Excavation [x] Drainage Ditches [ ] Railroad Tracks [ ]
Pavements [ ] Other: [ ]
Overhead Lines : Utilities [x] Communications [ ]
Underground Lines : Utilities [x] Communications [ ]
Method of Excavation: Hand [ ] Power Shovel [ ] Auger [x] [ ] Other: [ ]

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)
PILING, LIGHT POLE BASES, GROUNDING GRID, GATE CONTROLLERS, STORM DRAINAGE BOXES,

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: ASAP Termination Date of Permit: March 2002
Signature of Requesting Official: [Signature] Date: 10/25/01 Phone Number: 529-9990

Caretaker Site Office Review

Points of Contact: CPW: Robert Sagasser (work) 529-0653 (page) 570-0390 SCE&G: R.W. Smith (work) 745-8381 RDA: Gene Knisley Sewer POC: (work) 747-0010
1. Who is the current Land Owner/ Leasee? Border Patrol
2. Is the Area inside the CIA? [ ] Yes [x] No
3. Are any SWMU(s) impacted? If yes, list. [ ] Yes [x] No
4. Are any AOC(s) impacted? If yes, list. [x] Yes [ ] No (AOC 678)
5. Has DHEC been notified? [x] Yes [ ] No
6. Will soil need to be temporarily stockpiled? [ ] Yes [ ] No
7. What constituents will soil be tested for?
8. Soil Test results above residential background? [ ] Yes [ ] No
9. Soil Test results above industrial background? [ ] Yes [ ] No
10. Area where soil is to be stockpiled? (See Attached Map)
11. What is the serial # of forwarding letter to RDA? N/A - Letter to Border Patrol 065

Permit Approved? [x] Yes [ ] No

CSO Authorizing Signature: Amy Daniell 10/29/01 Date out: 10/29/01
CH2MHILL/J.A. Jones Signature: [Signature] 10/29/01
BEC Signature: M.A. [Signature] 10/26/01 Serial Number: 0A1
CSO Officer Signature: Amy Daniell per Tom Frossillo 10/29/01

\* See attached comments

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 041  
Request Date = 25 October 2001  
Comments Date = 29 October 2001  
Location = Area Around Bldg. NS-1

### Environmental Review Comments

This project proposes the following: (a) to install pilings, light pole bases, grounding grid, gate controllers, and storm drainage boxes.

The Navy has identified that in this area a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site, the CSO should be notified for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

## CH2M-JONES, LLC

---

October 29, 2001

To: Charleston Caretaker Site Office (CSO)

From: CH2M-JONES, LLC

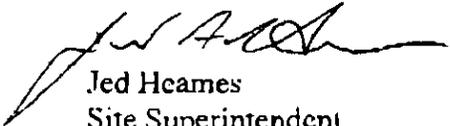
Subject: DIG PERMIT FOR NS-1 CONSTRUCTION WORK, CSO PERMIT NUMBER  
041

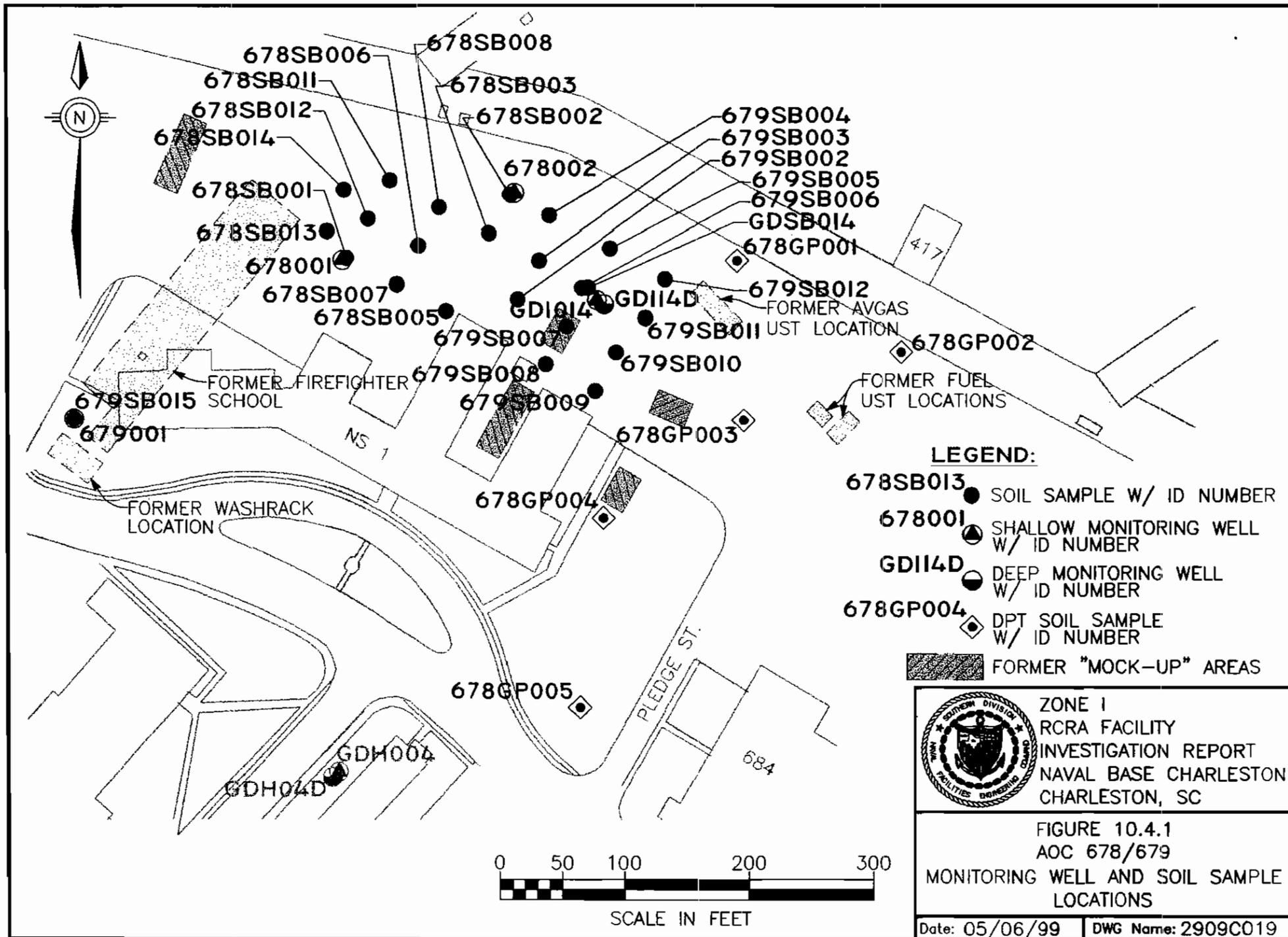
CH2M-JONES, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 041, and identified that the proposed work area north of Building NS-1 is near an area where Underground Storage Tanks once existed and within the footprint of Areas of Concern (AOCs) 678/679. The RCRA Facility Investigation (RFI) Report identified isodrin as a residential contaminate of concern and petroleum contaminants (Benzo(a)pyrene equivalents). This site is still under investigation awaiting South Carolina Department of Health and Environmental Control (SCDHEC) to address CH2M-JONES, LLC comment resolutions. Additionally, this site may be placed under the SCDHEC Underground Storage Tank (UST) Program requiring a Corrective Action Plan (CAP) and ground water monitoring. To support this monitoring existing monitoring wells north of NS-1 would be utilized and should not be disturbed (five foot radius).

See attached RFI reports sheets for additional site information.

CH2M-JONES, LLC may have to perform ground water monitoring and possible remedial actions at this site but no actions are scheduled at this time.

Respectfully,  
CH2M-JONES, LLC

  
Jed Heames  
Site Superintendent



**LEGEND:**

- 678SB013 ● SOIL SAMPLE W/ ID NUMBER
- 678001 ● SHALLOW MONITORING WELL W/ ID NUMBER
- GD114D ● DEEP MONITORING WELL W/ ID NUMBER
- 678GP004 ◆ DPT SOIL SAMPLE W/ ID NUMBER
- FORMER "MOCK-UP" AREAS



ZONE I  
 RCRA FACILITY  
 INVESTIGATION REPORT  
 NAVAL BASE CHARLESTON  
 CHARLESTON, SC

FIGURE 10.4.1  
 AOC 678/679  
 MONITORING WELL AND SOIL SAMPLE  
 LOCATIONS

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <i>Cicinity Building 30</i>	<b>Contractor:</b> <i>EEG</i>	<b>Date of Request:</b> <i>10/19/01</i>
---	----------------------------------	--

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____	
Overhead Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input checked="" type="checkbox"/>
		<input type="checkbox"/> Other: _____

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

*Install line posts for new/realigned fence as indicated on attached drawings. Excavate as required to remove GOOSE building & restore site*

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <i>ASAP</i>	<b>Termination Date of Permit:</b>
<b>Signature of Requesting Official:</b> <i>Gene Knisley RDA</i>	<b>Date:</b> <i>10/19/01</i> <b>Phone Number:</b> <i>747-0010</i>

## Caretaker Site Office Review

<b>Points of Contact:</b> <b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390  <b>SCE&amp;G:</b> R.W. Smith (work) 745-6381  <b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u><i>EEG</i></u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( _____ )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( _____ )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u><i>06A</i></u></li> </ol>
<b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> <i>Amy Daniell</i> <u>10/26/01</u>	<b>Date out:</b> <u>Nov 1, 2001</u>
<b>CH2MHILL/J.A. Jones Signature:</b> <i>J.A. Jones</i> <u>10-23-01</u>	
<b>BEC Signature:</b> <i>M.A. Hunt</i> <u>10/26/01</u>	<b>Serial Number:</b> <u>040</u>
<b>CSO Officer Signature:</b> <i>Thomas F. Fravilli</i> <u>10/31/01</u>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 040

Request Date = 19 October 2001

Comments Date = 26 October 2001

Location = Vicinity of Bldg. 30

### Environmental Review Comments

This project proposes the following: (a) to install line posts for new/realigned fence.

The Navy has identified that in the area that a release of hazardous substances has occurred, but corrective actions are not necessary because the Navy intends to manage the soil for industrial use. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being transported to the Designated Stockpile Area for industrial levels. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090  
Ser CSO/064  
26 October 2001

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: TO INSTALL LINE POSTS FOR NEW/REALIGNED FENCE**

Your letter of 19 October 2001 forwarded a request from EEG to install subject work for our consideration and approval. The work will be taking place near a contaminated area. In this area, the Navy has identified a release of hazardous substances has occurred, but corrective actions are not necessary because the Navy intends to manage the soil for industrial use. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please contact our office for disposal instructions.

If you have any questions or comments, please contact Amy Daniell at 743-9985.

Sincerely,

A handwritten signature in cursive script that reads "Tom Fressilli".

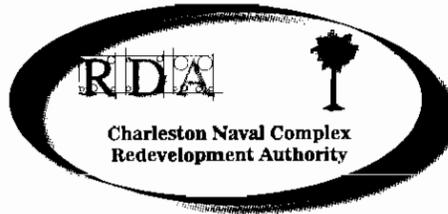
Tom Fressilli  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

October 19, 2001

Mr. Thomas F. Fressilli  
Charleston Caretaker Site Officer  
SOUTHNAVFACENCOM  
PO Box 190010  
North Charleston, SC 29419-9010

Subject: Alteration request EEG, Inc. compound

Dear Tom:

I am forwarding the subject alteration request from EEG to permit them to move their compound property fence to exclude Building 420.

A further request is to demolish Building 1443, (Time Clock Station No. 8) in order to straighten the fence alignment. The building is currently licensed to EEG.

I have attached a dig permit for the tenant.

Please review this proposal and provide us with comments as appropriate.

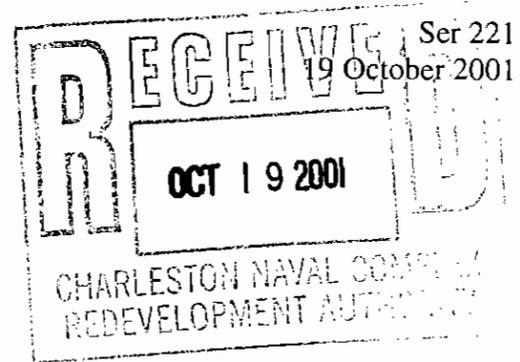
Sincerely,

  
T.E. Knisley, P.E.  
Maintenance Director



Environmental Enterprise Group, Inc.  
1949 Avenue D  
North Charleston, SC 29405-2106  
TEL (843) 202-8008  
FAX (843) 202-8001  
<http://www.eeginc.net>

Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxtun Avenue, Suite 300  
North Charleston, SC 29405-2005



Mr. McDonell,

The purpose of this letter is to request permission to modify the physical condition of the real property that is in the footprint of our licensed compound. We plan on modifying the fence line of our property to exclude Building 420, which is no longer part of EEG's compound. In addition to placing the fence line between Building 420 and Building 30, we want to remove the old clock station, Building 1443, so that a smoother more secure fence line can be erected. This will be done at our expense to improve the security of the fence line in this area, which has been an entry point in the past for intruders.

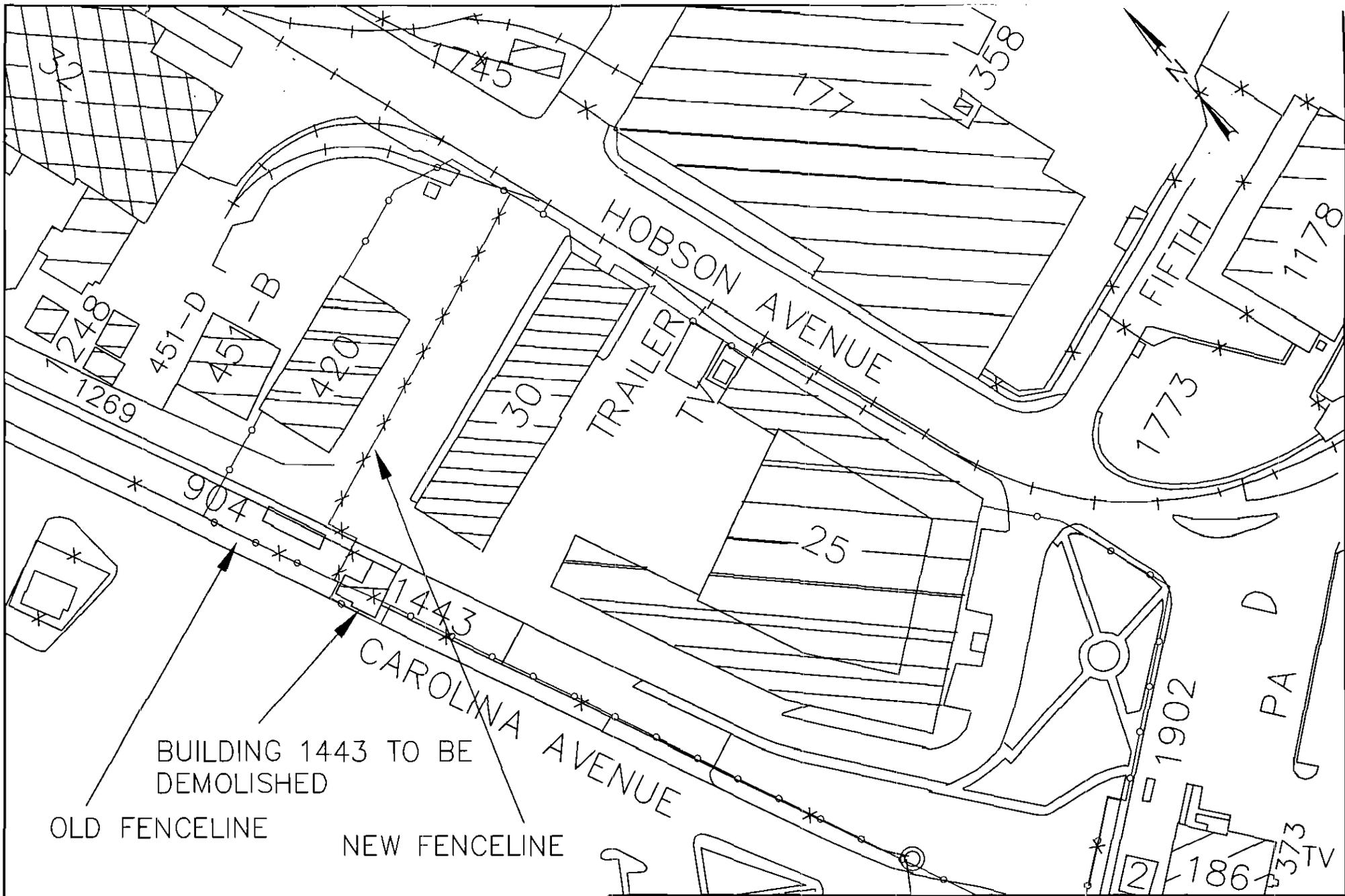
Building 1443 is a 20-foot by 36-foot single story structure that was utilized as a time clock station by the former shipyard. The building has been abandon since 1996 and is in a poor state of condition.

Our timeline for the starting the demolition of Building 1443 is November 5<sup>th</sup>. We plan on starting the fence line modifications October 24<sup>th</sup>. Please see the attached drawing for a visual representation of the modifications.

If there are any problems with this request, please contact me at (843) 202-8008 or (843) 412-2038 mobile.

Respectfully,

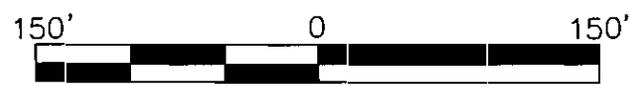
  
J. N. Kevin Tunstall  
President



BUILDING 1443 TO BE  
DEMOLISHED

OLD FENCELINE

NEW FENCELINE



GRAPHIC SCALE

**EEG**, INC  
 Environmental & Construction Services  
 Environmental Enterprise Group, Inc.  
 1949 Avenue D  
 N. Charleston, SC 29405

EEG, Inc. Proposed  
 Modifications Ser 221  
 N. Charleston, SC

DWG DATE: 19 OCT 01

DWG NAME: eeginc\_fotprnt\_10-01

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <i>Charleston Naval Complex</i>	<b>Contractor:</b> <i>RDA Staff</i>	<b>Date of Request:</b> <i>10/16/01</i>
---	--	--

<b>Has the proposed work been staked out?</b>		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<b>Facility/ Work involved (Please check below)</b>		
Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____ <input type="checkbox"/>	Communications <input type="checkbox"/>
<b>Overhead Lines :</b>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
<b>Underground Lines :</b>	Utilities <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
<b>Method of Excavation:</b>	Hand Ditcher <input type="checkbox"/>	Auger <input checked="" type="checkbox"/>
<input type="checkbox"/> Other: _____		

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

*Install missing/damage street sign posts at locations shown on attached base map. 2" holes augered 2' below surface*

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <i>10/22/01</i>	<b>Termination Date of Permit:</b> <i>30 days from permit issue date</i>
<b>Signature of Requesting Official:</b> <i>[Signature]</i>	<b>Date:</b> <i>10/16/01</i> <b>Phone Number:</b> <i>747-0010</i>

### Caretaker Site Office Review

<b>Points of Contact:</b> <b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390  <b>SCE&amp;G:</b> R.W. Smith (work) 745-6381  <b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>RDA</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (<u>ARC 678</u>)</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>N/A</u></li> </ol>
<b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> <i>Amy Daniell</i> <u>10/23/01</u>	<b>Date out:</b> <u>11/6/01</u>
<b>CH2MHILL/J.A. Jones Signature:</b> <i>[Signature]</i> <u>11/6/01</u>	<b>Serial Number:</b> <u>039</u>
<b>Signature:</b> <i>M.A. Hunt</i> <u>11/6/01</u>	
<b>CSO Officer Signature:</b> <i>Thomas F. Freiville</i> <u>11/06/01</u>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 039  
Request Date = 16 October 2001  
Comments Date = 6 November 2001  
Location = Charleston Naval Complex

### Environmental Review Comments

This project proposes the following: (a) to install missing/damaged street sign posts

The Navy has identified that in some of the areas a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site, the CSO should be notified for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



Map No.	Zone	Map No.	Zone	Map No.	Zone
1769	T-31	1770	E-1	1771	J-3
1772	J-3	1773	J-3	1774	K-3
1775	K-3	1776	L-3	1777	M-3
1778	M-3	1779	N-3	1780	O-3
1781	O-3	1782	P-3	1783	Q-3
1784	Q-3	1785	R-3	1786	S-3
1787	S-3	1788	T-3	1789	U-3
1790	U-3	1791	V-3	1792	W-3
1793	W-3	1794	X-3	1795	Y-3
1796	Y-3	1797	Z-3	1798	AA-3
1799	AA-3	1800	BB-3	1801	CC-3
1802	CC-3	1803	DD-3	1804	EE-3
1805	EE-3	1806	FF-3	1807	GG-3
1808	GG-3	1809	HH-3	1810	II-3

TENANT LIST (Part 1)				
BUSINESS	ADDRESS	BLDG	GRID	PHONE
Altek Technology Group, Inc.	1135 Island Avenue	N54	L20	745-0120
American Tank & Fabricating Company	2300 Player Street	98	L46	744-6770
America, LLC (Formerly M. Grossbach)	1150 Boney Street	674	H28	744-6668
B&D Marine & Industrial Sales, Inc.	2115 Thompson Avenue	N28	Q-14	747-2881
Barker Engineering	1265 8th Street	1517	G-23	745-0091
Bartz-Curt	2235 St. Jobson Avenue	1303	M-16	748-8500
Boulder Patent Academy Svc. Trng. Fac	2240 St. Jobson Avenue	N19	P-18	743-8895
Bunker Patent Contractor (CromCo)	2003 Sandridge Avenue	ESM1	L-16	748-8541
Boon Hancock, Inc.	1885 Avenue "T"	1177	H-44	743-9271
CEM Engineering	1060 Shipyarding Way	229	H-47	MA
Centralex Svc. Div. (GMVAFAC)	1690 Turnbull Avenue	NH1	G-23	743-8865
Carroll Marine Handling	1130 Plaza Blvd	N10	P-18	326-8462
Carroll's South Development Center	1589 Highway Avenue	750	L-21	744-0258
Charleston City of	1533 Hoboy Street	NH2	H-53	724-7521
Charleston Advanced Polymers, LLC	1255 8th Street	147	G-23	743-8870
Charleston Center	1550 Coler Street	228	E-40	740-3130
Charleston County Parks & Rec. Comm.	1623	1623	H-53	326-8462
Charleston County Parks & Rec. Comm. Development Center	1533 Hoboy Street	NH2	H-53	724-7521
Charleston County School Dist. (WHS)	1550 Coler Street	228	E-40	740-3130
Charleston County School Dist. (Day Care)	1533 Hoboy Street	NH2	H-53	724-7521
Charleston County School Dist. (Therapy Center)	1533 Hoboy Street	NH2	H-53	724-7521
Charleston City S.E. Inc.	2215 Avenue "T"	1685	H-48	744-5174
Charleston Marine Services	1415 Medical Road	1197	E-31	744-8117
Charleston Marine Services	2101 Avenue "T"	84	H-51	745-0232
Charleston Naval Complex, Resev. Auth.	Franklin Street	7	A-42	795-4989
Charleston Shipyard, Inc.	1255 Necessary Lane	218	K-39	814-2348

TENANT LIST (Part 2)				
BUSINESS	ADDRESS	BLDG	GRID	PHONE
Chesapeake Health Educ. Program, Inc.	2340 Avenue "T"	N42	H-53	877-6511
CIMCILTD	1670 Dyckia Avenue	738	K-41	354-0000
CMAC Machine, Inc.	2081 Harbor Street	3	K-47	354-0093
CMAC Security	1415 McMillan Avenue	1141	G-47	747-2588
Crest Guard-Curtain Delin(MAC 716)	Par Pate	328	P-22	305-8938
Crest Guard-Curtain Delin(MAC 721)	Par Pate	328	P-22	305-8938
Crest Guard Fisheries Training Center	1030 Reginald Street	681	Q-13	326-3180
Crest Guard Investigative Services	1030 Reginald Street	681	Q-13	326-3180
Crest Guard Naval Eng. Support Unit	1030 Reginald Street	681	Q-13	326-3180
College of Charleston (Roward Stong)	1531 Hoboy Street	NH4	H-43	825-8573
Commissioners of Public Works (CPW)	1296 Shipyard Street	242	H-26	727-5834
CompuNet Technologies Company, Inc.	2221 St. Jobson Avenue	N53	N-16	741-2858
Concorde Technologies Corp.	1804 Marley Avenue	M5	D-11	744-2629
Document Aids & Prod. Serv. Ctr.	2625 Avenue "T" North	1628	Q-27	743-4540
Document Aids & Prod. Serv. S&S	2625 Avenue "T" North	1628	Q-27	743-4540
Defense Finance & Accounting Service	1545 Thurston Avenue	188	F-48	748-0000
Defence Information Processing Center	1545 Thurston Avenue	188A	F-48	748-0001
Dept. Shipping & Machine Corp.	1463 Poplar Street	1178	G-43	308-9833
DHC-Office of Ocean & Coastal Mgt.	1382 McMillan Avenue	400	H-47	744-8338
Dynasty Shipyard	1382 McMillan Avenue	400	H-47	744-8338
Eastern Shipyard Group	1670 Dyckia Avenue	738	K-41	308-8000
Edwin Shuster - Dept. of Social Service	1530 Coler Street	223	G-45	203-8500
Emblematic Envelope Corp.	1638 St. Jobson Avenue	30	G-45	203-8500
Escol Apparatus Services, Inc.	1805 Avenue "T"	177	H-44	747-7644

TENANT LIST (Part 3)				
BUSINESS	ADDRESS	BLDG	GRID	PHONE
Federal Risk Management Solutions	2073 Thompson Avenue	678	R-13	554-0412
Fluor Corporation	1825 Marine Avenue	M10	D-50	722-7526
FMC Tanks, Inc.	2005 St. Jobson Avenue	23	Q-14	743-8242
G & G Pallet, Crabs & Box	205 Avenue "T"	5	J-47	554-0574
Green Custom Builders, Inc.	1115 Clifton Street	X25	L-12	554-0023
Heavy Valve & Instrument	2115 Thompson Avenue	N28	Q-14	746-2528
H-TA Charter Corp.	1123 Shipyard Street	49	K-48	743-8800
Helix Line	1205 Avenue "T"	ESD0	D-51	747-3007
Holroyd Construction, The	1343 Brimacombe Road	271	J-15	334-0004
I-D&L LTD	1805 Avenue "T"	151	H-44	588-1198
Imperial Inspection, Inc.	1205 Avenue "T"	ESD0	D-51	747-3007
Inspection A/C Services	1415 C. B. Lane	199	K-12	824-2545
Inspection Earthworks	1825 Cognate Avenue	157	G-47	747-8148
Louisiana Food Bank	2085 Thompson Avenue	N57	B-12	874-6603
Marine Transport Lines, Inc.	2073 Thompson Avenue	678	R-13	747-8126
Marine Transport Lines, Inc.	2221 St. Jobson Avenue	N53	N-16	741-2858
National Offshore Community Corps	2221 St. Jobson Avenue	N53	N-16	741-2858
NDA - Coastal Services Center	2221 St. Jobson Avenue	N53	N-16	741-2858
NDA - Marine Marine Center	2221 St. Jobson Avenue	N53	N-16	741-2858
NEI	1225 Thurston Avenue	RTC1	N-19	743-7004
North Charleston, City of	1225 Thurston Avenue	RTC1	N-19	743-7004
North Charleston Fire Dept.	1761 Mt. Jobson Avenue	110	F-43	554-0007
North Charleston Fire Dept.	1225 Thurston Avenue	110	F-43	554-0007
North Side South Carolina	1210 Thurston Avenue	2A	M-47	744-7445

TENANT LIST (Part 4)				
BUSINESS	ADDRESS	BLDG	GRID	PHONE
Cross-Cube	2000 Sandridge Avenue	ESM1	L-16	748-8541
Fluor Corporation	2073 Avenue "T"	4	J-47	204-1000
Fluor Corporation	2005 Avenue "T"	5	J-47	742-8126
Fluor Corporation	2051 Sandridge Ave	672	Q-22	144-0429
Fluor Corporation	1205 Thurston Avenue	35	K-48	374-8785
Fluor Corporation	1805 Avenue "T"	177	H-44	108-8583
Fluor Corporation	2221 St. Jobson Ave	20	P-17	326-8334
Fluor Corporation	1312 Z. B. Lane	1775	L-13	748-8381
Fluor Corporation	1450 Avenue "T"	1348	F-38	748-8285
Fluor Corporation	1590 Thurston Avenue	244	O-47	727-8339
Fluor Corporation	1805 Avenue "T"	177	H-44	108-8583
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Fluor Corporation	1450 Avenue "T"	1348	F-38	748-8285
Fluor Corporation	1590 Thurston Avenue	24		

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <span style="font-size: 1.2em; font-family: cursive;">PIERM + N QUAY WALL</span>	<b>Contractor:</b> <span style="font-size: 1.2em; font-family: cursive;">C.I.P.</span>	<b>Date of Request:</b> <span style="font-size: 1.2em; font-family: cursive;">11 OCT 01</span>
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Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>	
Overhead Lines : <input type="checkbox"/>	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand Ditcher <input checked="" type="checkbox"/>	Power Shovel <input type="checkbox"/>
		Auger <input type="checkbox"/>

Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

PLEASE SEE ATTACHED REQUEST / DRAWING TO RELOCATE A POWER POLE.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <span style="font-size: 1.2em; font-family: cursive;">ASAP</span>	<b>Termination Date of Permit:</b> <span style="font-size: 1.2em; font-family: cursive;">01 JAN 02</span>
<b>Signature of Requesting Official:</b> 	<b>Date:</b> <span style="font-size: 1.2em; font-family: cursive;">10/11/01</span> <b>Phone Number:</b> <span style="font-size: 1.2em; font-family: cursive;">747-0010</span>

**Caretaker Site Office Review**

<p><b>Points of Contact:</b></p> <p><b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390</p> <p><b>SCE&amp;G:</b> R.W. Smith (work) 745-6381</p> <p><b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <span style="font-size: 1.2em; font-family: cursive;">CIP</span></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( _____ )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( _____ )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <span style="font-size: 0.8em;">(See Attached Map)</span></li> <li>11. What is the serial # of forwarding letter to RDA? <span style="font-size: 1.2em; font-family: cursive;">068</span></li> </ol>
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**Permit Approved?**  Yes  No

<b>CSO Authorizing Signature:</b> <span style="font-size: 1.2em; font-family: cursive;">Amy Daniels</span> <span style="font-size: 1.2em; font-family: cursive;">11/13/01</span>	<b>Date out:</b> <span style="font-size: 1.2em; font-family: cursive;">11/19/01</span>
<b>CH2MHILL/J.A. Jones Signature:</b> <span style="font-size: 1.2em; font-family: cursive;">J.A. Jones</span> <span style="font-size: 1.2em; font-family: cursive;">11-13-01</span>	<b>Serial Number:</b> <span style="font-size: 1.2em; font-family: cursive;">038</span>
<b>BEC Signature:</b> <span style="font-size: 1.2em; font-family: cursive;">M.A. Hunt</span> <span style="font-size: 1.2em; font-family: cursive;">11/13/01</span>	
<b>CSO Officer Signature:</b> <span style="font-size: 1.2em; font-family: cursive;">T.F. Freemill</span> <span style="font-size: 1.2em; font-family: cursive;">11/19/01</span>	

AP

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 038  
Request Date = 11 October 2001  
Comments Date = 13 November 2001  
Location = Between Piers M & N

### Environmental Review Comments

This project proposes the following: (a) to relocate a power pole

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil being transported to the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-0010

5090

Ser CSO/068

13 November 2001

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: CIP REQUEST TO RELOCATE A POWER POLE**

Your letter of 11 October 2001 forwarded a request from CIP to relocate the power pole between Piers M and N for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO.

The enclosed digging permit is approved. **However, prior to any outage of steam metering Charleston County shall be notified for approval and coordination.** Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO prior to transporting soil to the soil management area. If you have any questions or comments, please contact Amy Daniell at 743-9985.

Sincerely,

A handwritten signature in cursive script that reads "Tom Fressilli".

Tom Fressilli

Caretaker Site Officer

By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

October 11, 2001

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

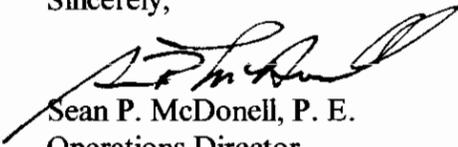
**Subject: C.I.P. REQUEST TO RELOCATE A POWER POLE**

Dear Tom:

We are forwarding the request from Charleston International Ports, LLC to relocate the power pole between Piers "M" and "N" as indicated on the attached drawing in support of their efforts to load barges for the contractor building the new Cooper River Bridge. We have included a digging permit with this request. We request that you review this proposed work and provide us with your comments.

Thank you in advance for your review of this information. Please contact me with any questions you have regarding this information.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures



CHARLESTON INTERNATIONAL PORTS, LLC

Jerry L. Franks  
1415 Viaduct Rd.  
Charleston, SC 29405

October 4, 2001

Mr. Sean McDonald, P.E.  
Engineering Director  
Charleston Naval Complex Redevelopment Authority  
1690 Turnbull Ave. Suite 300  
Charleston, SC 29405

Dear Sean,

CIP needs to relocate a power pole that furnishes power to the steam meter located between piers Mike and November. This is necessary to have a clear and safe area to swing the boom of the crawler crane we will have loading barges. This will require the meter to be stopped for no more than 4 hrs.

The meter or its direct connections will not be disconnected; we will simply swing the current wires from the meter pole to the relocated pole, as shown on the attached drawing.

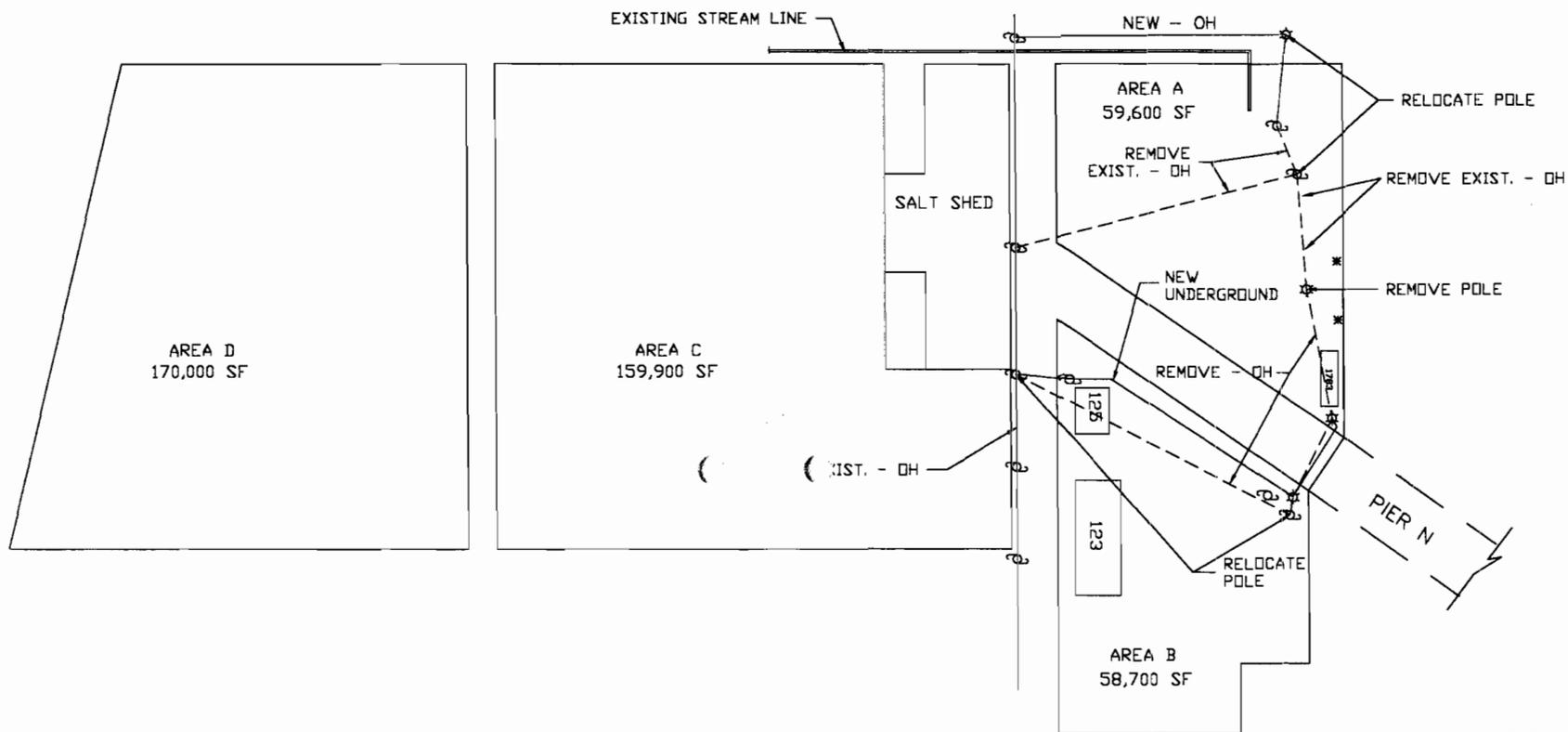
It is my understanding that the meter and pipeline belong to Charleston County; please furnish me a contact person with the county, so I can seek their approval.

Sincerely,

A handwritten signature in black ink that reads "Jerry L. Franks". The signature is fluid and cursive, with the first name "Jerry" being particularly prominent.

Jerry L. Franks  
Vice President/General Manager  
*Charleston International Ports, LLC*

ca



C.I.P. TERMINAL - PROPOSED POWER LINE RELOCATION  
 CHAS. NAVAL COMPLEX



GRAPHIC SCALE



( IN FEET )  
 1.inch = 100 ft.

DRAWN BY: KA	DATE: OCT. 8, 2001
CHECKED BY: KO	DRAWING NO.: CIP-01
JOB NO.:	SHEET OF

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <span style="font-size: 1.2em; font-family: cursive;">PIER "M" QUAY WALL</span>	<b>Contractor:</b> <span style="font-size: 1.2em; font-family: cursive;">C.I.P.</span>	<b>Date of Request:</b> <span style="font-size: 1.2em; font-family: cursive;">11 OCT 01</span>
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Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>	
Pavements <input type="checkbox"/>	Other: <input type="checkbox"/>		
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>	
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>	
Method of Excavation:	Hand <input type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>	<input type="checkbox"/> Other: _____
	Ditcher <input type="checkbox"/>	Auger <input checked="" type="checkbox"/>	

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

PLEASE SEE ATTACHED LETTER AND DRAWING FROM C.I.P.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <span style="font-size: 1.2em; font-family: cursive;">ASAP</span>	<b>Termination Date of Permit:</b> <span style="font-size: 1.2em; font-family: cursive;">7 JAN 02</span>
<b>Signature of Requesting Official:</b> 	<b>Date:</b> <span style="font-size: 1.2em; font-family: cursive;">10/11/01</span> <b>Phone Number:</b> <span style="font-size: 1.2em; font-family: cursive;">747-0010</span>

### Caretaker Site Office Review

<b>Points of Contact:</b> <b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390  <b>SCE&amp;G:</b> R.W. Smith (work) 745-6381  <b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <span style="font-size: 1.2em; font-family: cursive;">CIP</span></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? (See Attached Map)</li> <li>11. What is the serial # of forwarding letter to RDA? <span style="font-size: 1.2em; font-family: cursive;">003</span></li> </ol>
<b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> <span style="font-size: 1.2em; font-family: cursive;">Amy Danell</span> <span style="font-size: 1.2em; font-family: cursive;">10/28/01</span>	<b>Date out:</b> <span style="font-size: 1.2em; font-family: cursive;">11/1/01</span>
<b>CH2MHILL/J.A. Jones Signature:</b> <span style="font-size: 1.2em; font-family: cursive;">J.A. Jones</span> <span style="font-size: 1.2em; font-family: cursive;">10-17-01</span>	
<b>BEC Signature:</b> <span style="font-size: 1.2em; font-family: cursive;">M.A. Hunt</span> <span style="font-size: 1.2em; font-family: cursive;">10/26/01</span>	<b>Serial Number:</b> <span style="font-size: 1.2em; font-family: cursive;">037</span>
<b>CSO Officer Signature:</b> <span style="font-size: 1.2em; font-family: cursive;">Thomas F. Favilli</span> <span style="font-size: 1.2em; font-family: cursive;">10/31/01</span>	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 037  
Request Date = 11 October 2001  
Comments Date = 23 October 2001  
Location = Pier M

### Environmental Review Comments

This project proposes the following: (a) to install a truss system

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site and there are no signs of contamination, the CSO should be notified prior to the soil is being transported to the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

5090  
Ser CSO/063  
23 October 2001

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: CIP REQUEST TO INSTALL A TRUSS SYSTEM TO SPAN THE  
RELIEVING PLATFORM ADJACENT TO PIER MIKE**

Your letter of 11 October 2001 forwarded a request to install a truss system adjacent to Pier Mike for our consideration and approval. The work will be taking place in an area where the Navy has identified a release of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO

The enclosed digging permit is approved. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please notify the CSO prior to transporting soil to the soil management area. If you have any questions or comments, please contact Amy Daniell at 743-9985.

Sincerely,



Tom Fressilli  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jack C. Sprott**  
*Executive Director*

October 11, 2001

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: C.I.P. REQUEST TO INSTALL A TRUSS SYSTEM TO SPAN THE  
RELIEVING PLATFORM ADJACENT TO PIER MIKE**

Dear Tom:

We are forwarding the request from Charleston International Ports, LLC to perform the subject alterations. These alterations are necessary for them to support the construction of the new Cooper River Bridge. As required by our alterations policy, they have provided engineered structural drawings for this proposed structural upgrade at the Pier Mike quay wall. I have already notified C. I. P. that they would need to notify the U. S. Army Corps of Engineers as they plan to place two 85' long piles into the river. We have included a digging permit, as they will be removing concrete portion of the quay and will most likely disturb some soil in the area. We request that you review this proposed work and provide us with your comments.

Thank you in advance for your review of this information. Please contact me with any questions you have regarding this information.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures



CHARLESTON INTERNATIONAL PORTS, LLC

Jerry L. Franks  
1415 Viaduct Rd.  
Charleston, SC 29405

October 4, 2001

Mr. Sean McDonald, P.E.  
Engineering Director  
Charleston Naval Complex Redevelopment Authority  
1690 Turnbull Ave. Suite 300  
Charleston, SC 29405

Dear Sean,

CIP intends to load heavy lift cargo for the New Cooper River Bridge along the Quay wall adjacent to pier Mike. The Quay wall has a low square foot load rating, due to the horizontal tie beam attached to the sheet piling.

In order to have a stable and high square foot capacity we have designed a truss system to span the relieving platform. To do this, we must break the concrete portion of the Quay wall to the level shown on page 3/3. We will leave several feet of rebar to tie new rebar to when we form it up to bring the Quay wall back to its as built condition when the job is over. We will drive 2 each, 36" dia by 1/2" thick by 85' long pipe piles to support the truss as shown of page 1/3, 2/3, and 3/3.

When the job has finished we will pull the piling, remove the truss, and restore the area to its original condition.

Please advise me as soon as possible of your approval so we can get started on this modification.

Sincerely,

A handwritten signature in black ink that reads "Jerry L. Franks". The signature is written in a cursive, flowing style.

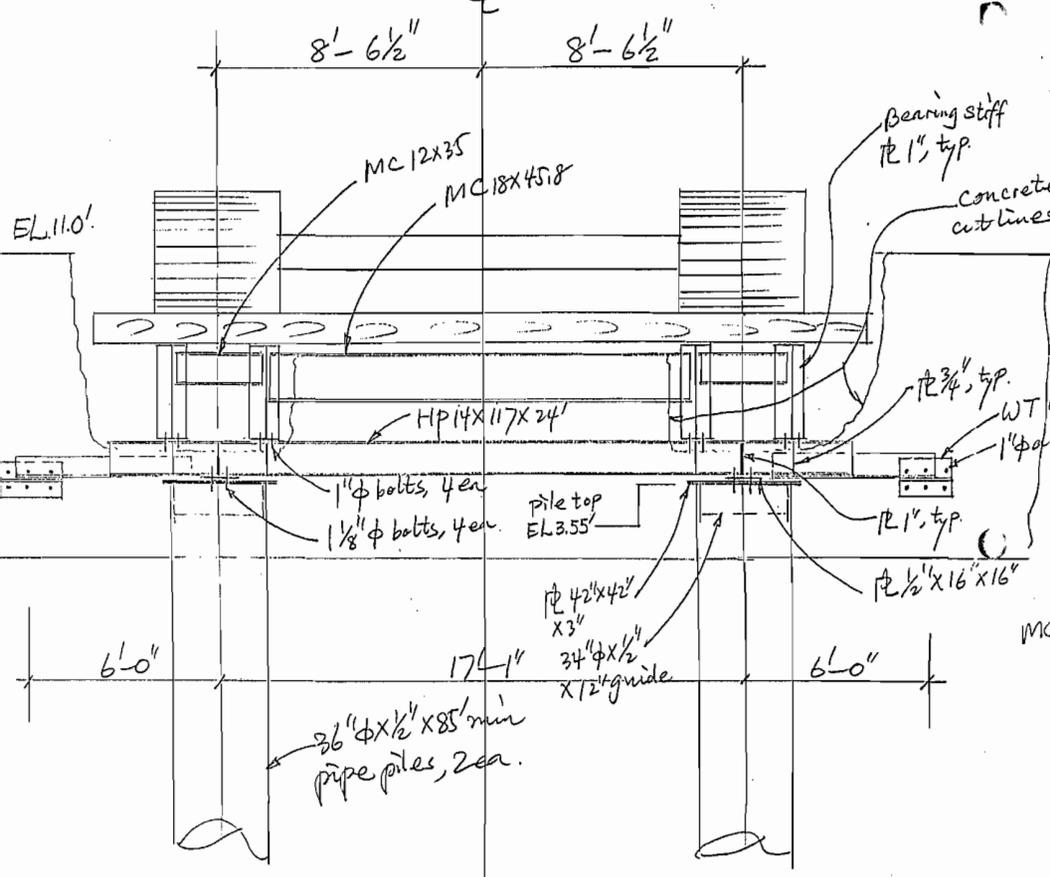
Jerry L. Franks  
Vice President/General Manager  
*Charleston International Ports, LLC*

ca

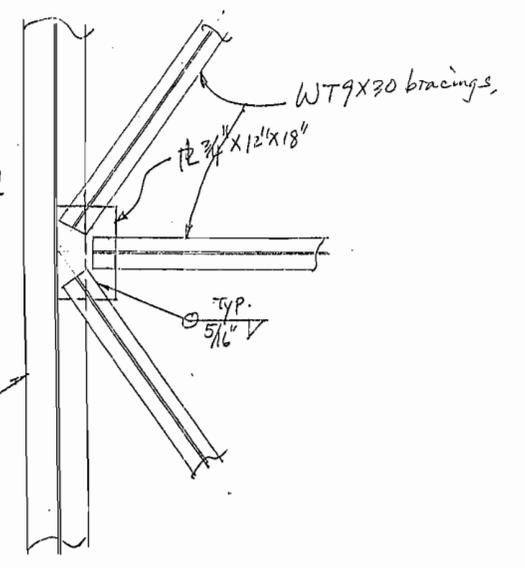
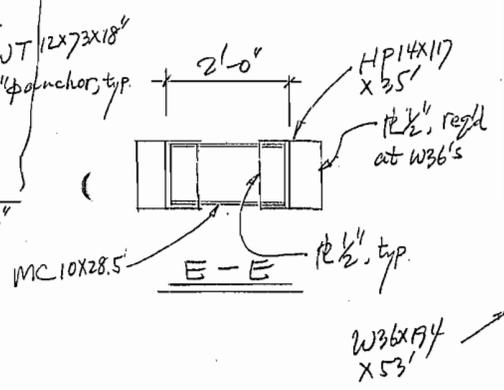
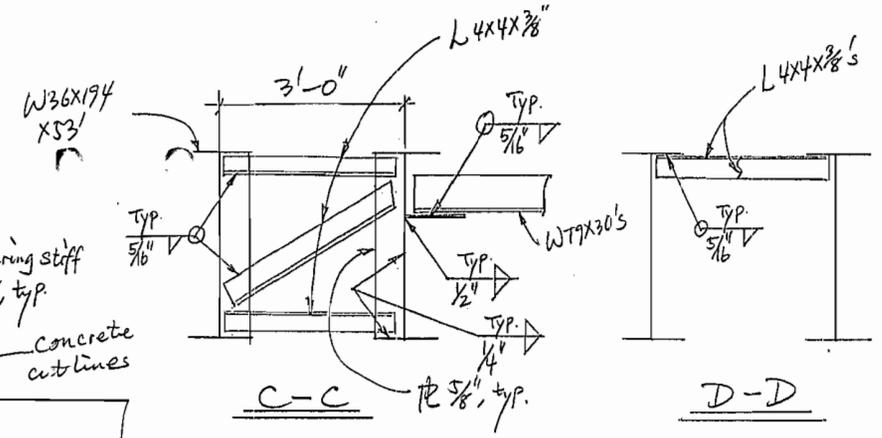




Manitowoc 4100W, S2  
Rotation  
⊕



B-B



Detail A

1x2 9/21/01



3/3



Pinnacle Cable South  
P.O. Box 51505  
Summerville S.C.

Location of work : Building # 198

Locate ticket # : 1450197..good on 10/11/01 at 2:45pm

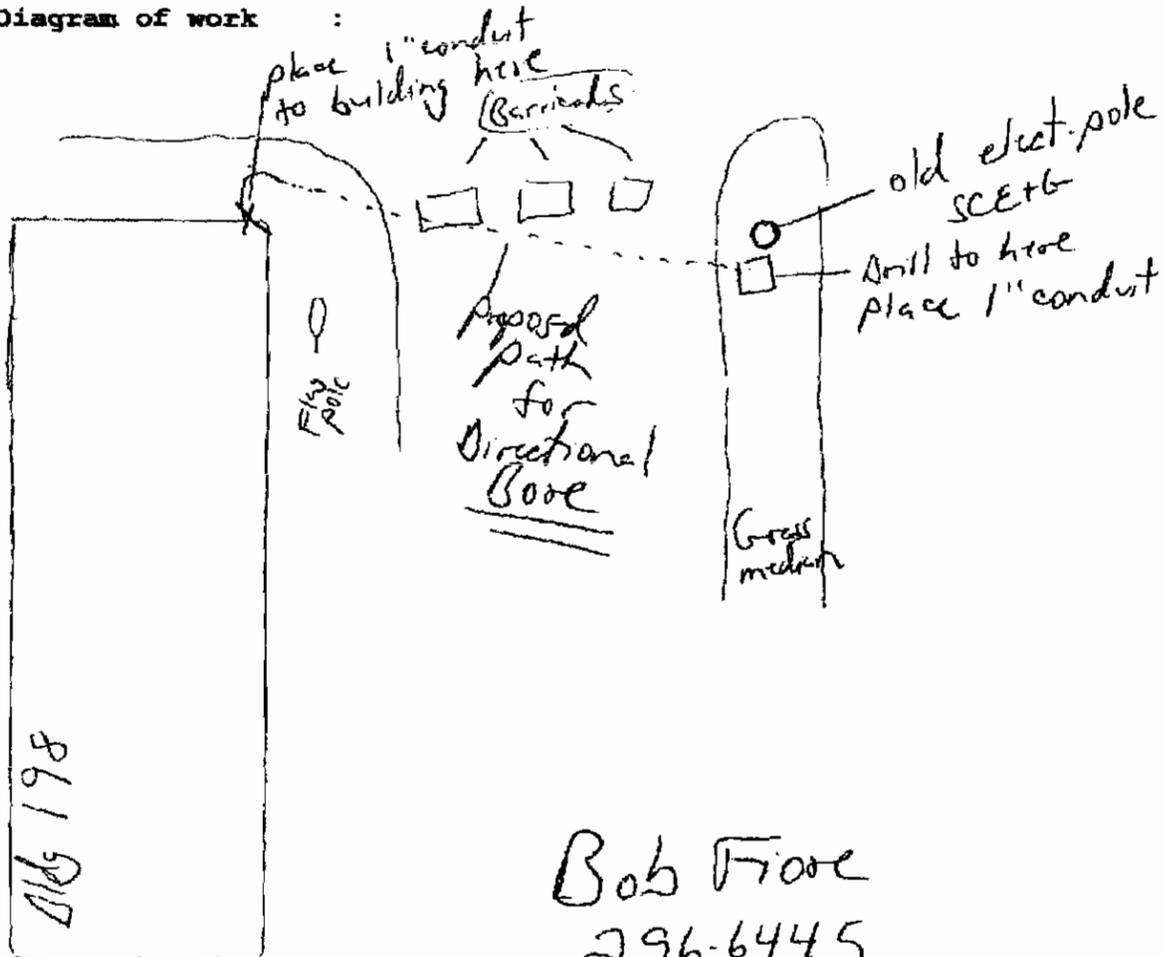
Work schedule date : Friday, 10/12/01

Contracted thru : Elite Electric

Scope of work : Place pipe underground from end of building # 198 to grass median in the parking lot to replace an aerial line. We will be placing conduit only.

Existing permits : SCE&G has current dig permits for this location

Diagram of work :



Bob Fiore  
296-6445  
mobile #

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 036

Request Date = 9 October 2001

Comments Date = 9 October 2001

Location = NW corner of Bldg. 198

### Environmental Review Comments

This project proposes the following: (a) to install electrical conduit

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site and there are no signs of contamination, the CSO should be notified that the soil is being disposed at the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Fill out top portion, Sign and date.

1: 1005 South of Viaduct Ave Contractor: RDA staff Date of Request: 10/5/01

proposed work been staked out?  Yes  No

Work involved (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: <u>Install Signs</u> <input checked="" type="checkbox"/>	Utilities <input type="checkbox"/>
Overhead Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : <input type="checkbox"/>	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

Other: Driven posts

Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

5 shaped sign posts to be driven approx 2' into existing soil as shown on attached sketch.

Permit(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on map(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Permit Required: 10/11/01 Termination Date of Permit: 10/18/01

Name of Requesting Official: Smiley Date: 10/5/01 Phone Number: 747-0010

## Caretaker Site Office Review

<p>Points of Contact:</p> <p>Robert Sagasser work) 529-0653 page) 570-0390</p> <p>Gene R.W. Smith work) 745-6381</p> <p>Gene Kniesley Sewer POC: work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? _____</li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <u>(See Attached Map)</u></li> <li>11. What is the serial # of forwarding letter to RDA? <u>N/A</u></li> </ol>
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Permit Approved?  Yes  No

Authorizing Signature: Amy Daniell 10/9/01 Date out: 9 Oct. 01

HILL/J.A. Jones Signature: [Signature] 10/9/01

Signature: M. A. Hunt 10/9/01 Serial Number: 035

Officer Signature: Thomas F. Freiville 10/9/2001

BLDG	OWNER	BLDG	OWNER	BLDG	OWNER	BLDG	OWNER
1776	T-31180	K-31180	L-31180	G-30224	D-30224		
1777	E-11110	K-31180	L-31180	D-30224	GG-30224		
1778	J-31181	K-31180	L-31180	L-44223	HII-30224		
1779	J-31182	K-31180	L-31180	L-44223	HII-30224		
1780	K-31183	K-31180	L-31180	L-44223	HII-30224		
1781	K-31184	K-31180	L-31180	L-44223	HII-30224		
1782	K-31185	K-31180	L-31180	L-44223	HII-30224		
1783	K-31186	K-31180	L-31180	L-44223	HII-30224		
1784	K-31187	K-31180	L-31180	L-44223	HII-30224		
1785	K-31188	K-31180	L-31180	L-44223	HII-30224		
1786	K-31189	K-31180	L-31180	L-44223	HII-30224		
1787	K-31190	K-31180	L-31180	L-44223	HII-30224		
1788	K-31191	K-31180	L-31180	L-44223	HII-30224		
1789	K-31192	K-31180	L-31180	L-44223	HII-30224		
1790	K-31193	K-31180	L-31180	L-44223	HII-30224		
1791	K-31194	K-31180	L-31180	L-44223	HII-30224		
1792	K-31195	K-31180	L-31180	L-44223	HII-30224		
1793	K-31196	K-31180	L-31180	L-44223	HII-30224		
1794	K-31197	K-31180	L-31180	L-44223	HII-30224		
1795	K-31198	K-31180	L-31180	L-44223	HII-30224		
1796	K-31199	K-31180	L-31180	L-44223	HII-30224		
1797	K-31200	K-31180	L-31180	L-44223	HII-30224		
1798	K-31201	K-31180	L-31180	L-44223	HII-30224		
1799	K-31202	K-31180	L-31180	L-44223	HII-30224		
1800	K-31203	K-31180	L-31180	L-44223	HII-30224		

BUSINESS	ADDRESS	BLDG	GRND	PHONE
Alred Technology Group, Inc.	1133 Hobson Avenue	N844	L-20	740-0100
Amstar Text & Finishing Company	2000 Hayler Street	88	L-48	740-2770
Amstar, LLC (formerly M Fibersynth)	1150 Brumby Street	874	N-28	740-1698
B&E Marine & Boatworks, Inc.	2115 Thompson Ave	N629	G-14	747-0951
Bentz Craft	1285 6th Street	1377	L-43	740-2852
Bentz Craft	2235 So. Hobson Avenue	N103	M-18	740-8000
Boatyard Enterprises, Inc.	2340 So. Hobson Avenue	N818	M-18	740-2852
Boatyard Enterprises, Inc. (Truck)	2000 Brumby Street	PM801	L-16	740-8041
Boatyard Enterprises, Inc. (Truck)	1805 A Avenue	177	H-44	740-0071
Boatyard Enterprises, Inc. (Truck)	1200 Shipyarding Way	223	H-47	740-1965
Boatyard Enterprises, Inc. (Truck)	1890 Tumball Avenue	N051	G-23	743-9885
Boatyard Enterprises, Inc. (Truck)	1150 6th Street	1800	L-58	820-2800
Boatyard Enterprises, Inc. (Truck)	1308 Mariner Avenue	750	L-62	744-3238
Boatyard Enterprises, Inc. (Truck)	1335 Hayler Street	N878	H-33	734-7251
Boatyard Enterprises, Inc. (Truck)	1265 6th Street	241	G-27	740-0281
Boatyard Enterprises, Inc. (Truck)	1330 Collier Street	229	E-40	740-1130
Boatyard Enterprises, Inc. (Truck)	2336 Thompson Avenue	N612	G-11	762-0173
Boatyard Enterprises, Inc. (Truck)	1225 Avenue "D" South	189	N-39	508-8132
Boatyard Enterprises, Inc. (Truck)	2415 Avenue "D"	807	G-34	837-6418
Boatyard Enterprises, Inc. (Truck)	1116 Hobson Avenue	N197	H-36	720-4073
Boatyard Enterprises, Inc. (Truck)	2221 Avenue "D"	N885	H-49	744-0174
Boatyard Enterprises, Inc. (Truck)	1150 6th Street	1800	L-58	820-2800
Boatyard Enterprises, Inc. (Truck)	2301 Avenue "D"	84	M-11	740-5022
Boatyard Enterprises, Inc. (Truck)	Parsons Street	317A	M-42	780-4096
Boatyard Enterprises, Inc. (Truck)	1801 Tumball Ave	180	L-48	747-0010
Boatyard Enterprises, Inc. (Truck)	1235 Necessary Lane	218	N-38	814-0346

BUSINESS	ADDRESS	BLDG	GRND	PHONE
Chesapeake Health Educ. Program, Inc.	2340 Hobson Street	H682	H-33	371-0111
CIMAC, LTD	1870 Dryden Avenue	298	K-41	354-0038
CIMAC Machine, Inc.	2081 Hayler Street	3	K-47	354-0923
CIMAC Security	1442 McMillan Avenue	1141	G-47	747-2848
Coast Guard Cutter Galveston (MCC-721)	Flat Top	326	P-22	308-8822
Coast Guard Training Center	1000 Regulator Street	681	G-13	308-0180
Coast Guard Investigative Services	1000 Regulator Street	681	G-13	308-0180
Coast Guard Marine Support Unit	1000 Regulator Street	681	G-13	308-0180
College of Chesapeake Bay (COCB)	1323 Hayler Street	H686	H-33	833-0578
Composites of Public Works (CPW)	1230 Shipyarding Way	342	H-38	727-8000
Composites Products Company, Inc.	2223 So. Hobson Avenue	N853	H-16	747-0258
Concurrent Technologies Corp.	1840 Mariner Avenue	M5	D-61	744-3239
Document Auto. & Prod. Serv. Corp.	2823 Avenue "D" North	N626	G-47	743-4040
Document Auto. & Prod. Serv. 86 Reg.	2823 Avenue "D" North	N626	G-47	743-4040
Defense Finance & Accounting Service	1543 Tumball Avenue	198	F-49	740-2000
Defense Information Processing Center	1543 Tumball Avenue	198A	F-49	740-2000
Dan. Shrimps & Machine Corp.	1482 Regulator Street	1178	G-43	308-8533
DHEC-Office of Ocean & Coastal Mgt.	1362 McMillan Avenue	406	H-47	744-2838
DHEC-Office of Estuarine Quality Control	1362 McMillan Avenue	406	H-47	744-2838
Delmarva Shipyard	1670 Dryden Avenue	296	K-41	308-6000
Delmarva Shipyard	1210 Dryden Avenue	30	H-47	307-8000
Earth Sciences	1300 Brumby Street	N633	F-33	551-1762
Exter Shaper / Dept. of Social Service	1500 Collier Street	225	E-40	886-8883
Environmental Emergency Group	1801 So. Hobson Avenue	180	F-42	307-8000
Excel Appraisal Services, Inc.	1805 Avenue "D"	177	H-44	747-7844

BUSINESS	ADDRESS	BLDG	GRND	PHONE
Federal Risk Management Solutions	2075 Thompson Avenue	678	R-13	354-0412
Finance Collection	1233 Mariner Avenue	M10	D-86	725-7258
FAC Tanks, Inc.	2005 So. Hobson Avenue	33	R-14	747-8242
G & O Pallet, Crimp & Box	2001 Avenue "D"	320	J-47	334-0074
Green-Curtain Builders, Inc.	1115 Chestnut Street	EC20	G-14	364-0023
Harley Vokes & Instrument	2113 Thompson Avenue	MS28	G-14	746-2828
Hi-Tek Chevrolet	1175 Chestnut Street	43	K-48	348-0000
Hi-Line	1263 Avenue "D"	EED00	G-11	747-3007
Hunter Compression, The	1250 Babbly Street	255	J-35	334-0004
J. Clay, LTD	1341 Brumby Road	989	L-15	495-0021
Langhorne Inc.	1801 Avenue "D"	177	H-44	338-1785
Langhorne A/D/S Services	1501 Mariner Avenue	743	L-83	344-0000
Langhorne Earthworks, Inc.	1415 G. Lane	1988	K-12	334-2943
Langhorne Food Bank	1832 Coggins Avenue	107	G-47	747-6146
Langhorne Industrial Services	2095 Thompson Avenue	N87	R-13	314-0023
Langhorne Transport Lines, Inc.	2075 Thompson Avenue	678	R-13	747-8128
Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
Langhorne Trucking	1832 Coggins Avenue	107	G-47	747-6146
Langhorne Trucking	2095 Thompson Avenue	N87	R-13	314-0023
Langhorne Trucking	2075 Thompson Avenue	678	R-13	747-8128
Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
Langhorne Trucking	1832 Coggins Avenue	107	G-47	747-6146
Langhorne Trucking	2095 Thompson Avenue	N87	R-13	314-0023
Langhorne Trucking	2075 Thompson Avenue	678	R-13	747-8128
Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
Langhorne Trucking	1832 Coggins Avenue	107	G-47	747-6146
Langhorne Trucking	2095 Thompson Avenue	N87	R-13	314-0023
Langhorne Trucking	2075 Thompson Avenue	678	R-13	747-8128
Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
Langhorne Trucking	1832 Coggins Avenue	107	G-47	747-6146
Langhorne Trucking	2095 Thompson Avenue	N87	R-13	314-0023
Langhorne Trucking	2075 Thompson Avenue	678	R-13	747-8128
Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
Langhorne Trucking	1832 Coggins Avenue	107	G-47	747-6146
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Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
Langhorne Trucking	1832 Coggins Avenue	107	G-47	747-6146
Langhorne Trucking	2095 Thompson Avenue	N87	R-13	314-0023
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Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
Langhorne Trucking	1832 Coggins Avenue	107	G-47	747-6146
Langhorne Trucking	2095 Thompson Avenue	N87	R-13	314-0023
Langhorne Trucking	2075 Thompson Avenue	678	R-13	747-8128
Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
Langhorne Trucking	1832 Coggins Avenue	107	G-47	747-6146
Langhorne Trucking	2095 Thompson Avenue	N87	R-13	314-0023
Langhorne Trucking	2075 Thompson Avenue	678	R-13	747-8128
Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
Langhorne Trucking	1832 Coggins Avenue	107	G-47	747-6146
Langhorne Trucking	2095 Thompson Avenue	N87	R-13	314-0023
Langhorne Trucking	2075 Thompson Avenue	678	R-13	747-8128
Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
Langhorne Trucking	1832 Coggins Avenue	107	G-47	747-6146
Langhorne Trucking	2095 Thompson Avenue	N87	R-13	314-0023
Langhorne Trucking	2075 Thompson Avenue	678	R-13	747-8128
Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
Langhorne Trucking	1832 Coggins Avenue	107	G-47	747-6146
Langhorne Trucking	2095 Thompson Avenue	N87	R-13	314-0023
Langhorne Trucking	2075 Thompson Avenue	678	R-13	747-8128
Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
Langhorne Trucking	1832 Coggins Avenue	107	G-47	747-6146
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Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
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Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
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Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
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Langhorne Trucking	2075 Thompson Avenue	678	R-13	747-8128
Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
Langhorne Trucking	1832 Coggins Avenue	107	G-47	747-6146
Langhorne Trucking	2095 Thompson Avenue	N87	R-13	314-0023
Langhorne Trucking	2075 Thompson Avenue	678	R-13	747-8128
Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
Langhorne Trucking	1832 Coggins Avenue	107	G-47	747-6146
Langhorne Trucking	2095 Thompson Avenue	N87	R-13	314-0023
Langhorne Trucking	2075 Thompson Avenue	678	R-13	747-8128
Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
Langhorne Trucking	1832 Coggins Avenue	107	G-47	747-6146
Langhorne Trucking	2095 Thompson Avenue	N87	R-13	314-0023
Langhorne Trucking	2075 Thompson Avenue	678	R-13	747-8128
Langhorne Trucking	1271 Tumball Avenue	2	L-62	344-0000
Langhorne Trucking	1415 G. Lane	1988	K-12	334-2943
Langhorne Trucking	1832 Coggins Avenue			

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 035  
Request Date = 5 October 2001  
Comments Date = 9 October 2001  
Location = Southern End of Naval Complex

### Environmental Review Comments

This project proposes the following: (a) to install a 'U' shaped sign posts

The Navy has identified that in some of the areas a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site, the CSO should be notified for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <span style="font-size: 1.2em;">C Metal Trader</span>	<b>Contractor:</b> <span style="font-size: 1.2em;">S.C.E &amp; G</span>	<b>Date of Request:</b> <span style="font-size: 1.2em;">9-28-01</span>
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Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____ <input type="checkbox"/>	
Overhead Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

Depth 40" / width 24" / Length 1,541' Total

See sketch

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <span style="font-size: 1.2em;">10-5-01</span>	<b>Termination Date of Permit:</b> _____
<b>Signature of Requesting Official:</b> <span style="font-size: 1.2em;">Richard W. Smith</span>	<b>Date:</b> _____ <b>Phone Number:</b> _____

## Caretaker Site Office Review

<b>Points of Contact:</b> <b>CPW:</b> Robert Sagasser (work) 529-0653 (page) 570-0390  <b>SCE&amp;G:</b> R.W. Smith (work) 745-6381  <b>RDA:</b> Gene Knisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>Metal Trades</u></li> <li>2. Is the Area inside the CIA? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (See Comments)</li> <li>5. Has DHEC been notified? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? (See Attached Map)</li> <li>11. What is the serial # of forwarding letter to RDA? <u>N/A</u></li> </ol> <p style="font-size: 1.2em;">*see attached CCEM Jones letter</p>
Permit Approved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> <span style="font-size: 1.2em;">Amy Daniell</span> 10/2/01	<b>Date out:</b> 1/5/01
<b>WHILL/J.A. Jones Signature:</b> <span style="font-size: 1.2em;">J.A. Jones</span> 10/2/01	
<b>BEC Signature:</b> <span style="font-size: 1.2em;">M.A. Hunt</span> 11/5/01	<b>Serial Number:</b> 034
<b>CSO Officer Signature:</b> <span style="font-size: 1.2em;">Thomas F. Frewilli</span> 11/5/01	

## CH2M-JONES, LLC

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October 11, 2001

To: Charleston Caretaker Site Office (CSO)  
From: CH2M-JONES, LLC

Subject: EXCAVATION PERMIT (034) AND DEWATERING PERMITS (001-024)  
FOR SCE&G UTILITY WORK

CH2M-JONES, LLC, in cooperation with the Navy has reviewed the provided drawing and Dewatering Permits 001 through 024 and Excavation Permit 034. CH2M-JONES, LLC has found several of the proposed work areas are in the vicinity of Solid Waste Management Units (SWMU's) and/or Area's of Concern (AOC's). Even though SCE&G's work is not within the footprint of a known SWMU or AOC, SCE&G should take into consideration that Contaminates of Concern (COC's) could be encountered. Connecting electrical conduits inside areas of contamination (SWMUs/AOCs) may provide migration pathways outside of the SWMU/AOC footprint. This condition has been observed in the industrial area (Zone E) of the Charleston Naval Complex.

Based on the above statement the below information is provided for specific work areas noting the type of work impacted and manholes:

Work performed east of Building 74 is in the vicinity of AOC 550. The Draft RCRA Facility Investigation (RFI) Report identified arsenic in groundwater. There was no soil contaminations identified for an industrial scenario. (Excavation and dewatering MH#10037,10089)

Work performed near the northeast side of Building 46 is in the vicinity of AOC 551. The Draft RFI Report identified lead and Benzo (a) Pyrenes (BEQs) as COC's in soils and thallium, arsenic, and PCE as COC's in groundwater. (Excavation and dewatering MH# 10110, 10111)

Work performed near Buildings 5 and 44 is in the vicinity of AOC 554 and SWMU 25. The Draft RFI Report indicates 5 metals (antimony, cadmium, chromium, copper and lead) and BEQ's as COC's in the soils. Groundwater COC's were identified as antimony, cadmium, chromium, nickel, a-chlordane, g-chlordane, tetrachloroethene and trichloroethene. (Excavation and dewatering MH#10096, 10124, 10128)

Work performed near Buildings 6 and 226 is in the vicinity of SWMU's 23, 63, and, 541, 542. The Draft RFI Report combined the before mentioned sites into one "Combined SWMU 23". Combined SWMU 23 identified 8 COC's in soil: antimony, cadmium, copper, lead, nickel, zinc, Aroclor-1254, and BEQs. No COC's were identified in groundwater. (Dewatering MH#10047, 10042, 10044, 10045)

Work performed near the west end of Building 6 and 35 is in the vicinity of SWMU 70 and AOC's 530 and 531. The Draft RFI Report revealed the following: SWMU 70 at the west end of Building 6 found copper, lead, and BEQ's in the soil. Groundwater analysis identified antimony, chromium, thallium, chloroform, 1,2-dichloroethene, tetrachloroethene, and trichloroethene. AOC 530 located on the west end of Building 35 was found to have arsenic and BEQ's in soil and shallow groundwater showed arsenic and 1,1-dichloroethene present. AOC 531, also at the west end of Building 35, was found to have arsenic and BEQ's in the soil. No groundwater COC's were identified. (Dewatering MH#10048, 10050, 10100, and 10102)

CH2M-JONES, LLC will be addressing groundwater contamination below the west end of Building 5 at the end of 2001 into the summer of 2002. Soil excavation at the west end of Building 226 is planned but no date has been scheduled. None of this work should interfere with SCE&G's work. No other scheduled remedial actions are in place at this time.

Respectfully,  
CH2M-JONES, LLC

A handwritten signature in black ink, appearing to read 'Ted Heames', written over a horizontal line.

Ted Heames  
Site Superintendent

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 034  
Request Date = 5 October 2001  
Comments Date = 5 November 2001  
Location = Metal Trades Area

### Environmental Review Comments

This project proposes the following: (a) to install electrical conduit

The Navy has identified that in some of the areas a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site, the CSO should be notified prior to the soil being disposed at the Designated Soil Management Area (see enclosure). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <u>SEE ATTACHED SKETCH</u>	<b>Contractor:</b> <u>TO BE DETERMINED</u>	<b>Date of Request:</b> <u>9/25/01</u>
--	---	---

<b>Has the proposed work been staked out?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No		
<b>Facility/ Work involved (Please check below)</b>		
Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____	
<b>Overhead Lines</b> :	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
<b>Underground Lines</b> :	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
<b>Method of Excavation:</b>	Hand Ditcher <input type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Auger <input type="checkbox"/>	<input type="checkbox"/> Other: _____

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

Remove overhead steam line support foundations at two sites.  
Remove abandoned concrete slabs (6'x6') & (6'x10'). Max. depth  
of excavation below existing grade is 5' for steam line supports  
and 2' for concrete slabs. Excavation has no excessive soil.

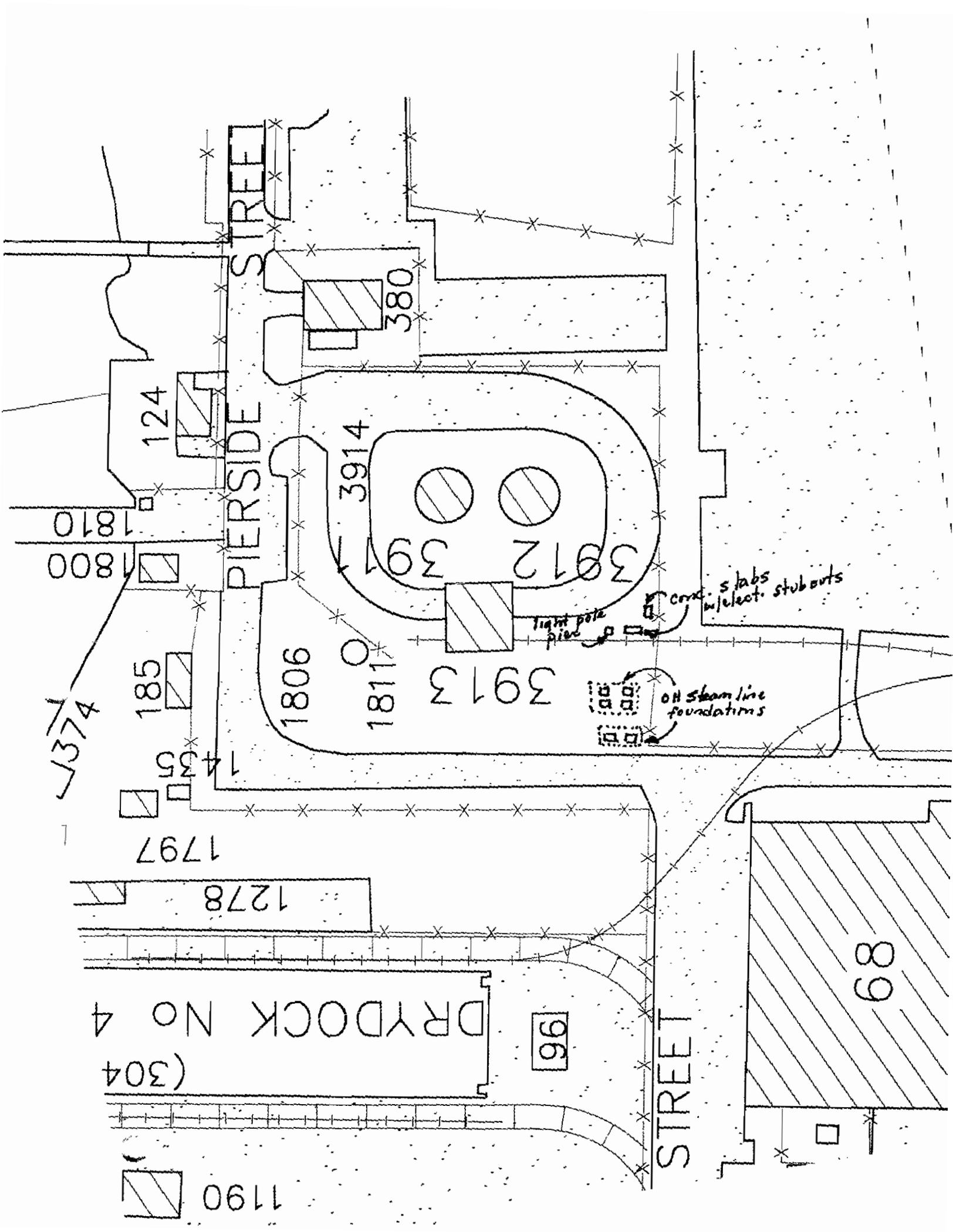
Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <u>Oct 1, 2001</u>	<b>Termination Date of Permit:</b> <u>Nov 30, 2001</u>
<b>Signature of Requesting Official:</b> <u>E. Lunsley</u>	<b>Date:</b> <u>9/25/01</u> <b>Phone Number:</b> <u>(843) 747-0010</u>

## Caretaker Site Office Review

<b>Points of Contact:</b>	1. Who is the current Land Owner/ Leasee? <u>RDA</u>
<b>CPW : Robert Sagasser</b> (work) 529-0653 (page) 570-0390	2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<b>SCE&amp;G: R.W. Smith</b> (work) 745-6381	3. Are any SWMU(s) impacted? If yes, list: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )
<b>RDA: Gene Kniesley</b> Sewer POC: (work) 747-0010	4. Are any AOC(s) impacted? If yes, list: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )
	5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	7. What constituents will soil be tested for? _____
	8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No
	9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No
	10. Area where soil is to be stockpiled? <u>(See Attached Map)</u>
	11. What is the serial # of forwarding letter to RDA? <u>N/A</u>
	<b>Permit Approved?</b> <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

<b>CSO Authorizing Signature:</b> <u>Amy Daniell</u> <u>9/25/01</u>	<b>Date out:</b> <u>9/25/01</u>
<b>CH2MHILL/J.A. Jones Signature:</b> <u>[Signature]</u> <u>9/25/01</u>	<b>Serial Number:</b> <u>033</u>
<b>BEC Signature:</b> <u>M.A. Hunt</u> <u>9/25/01</u>	
<b>CSO Officer Signature:</b> <u>T.F. Fournilli</u> <u>9/25/01</u>	



PIERSIDE

PIERSIDE

STREET

DRYDOCK NO 4  
(304)

96

1190

68

374

1797

1278

185

124

1800  
1810

1435

1806

1811

3913

3914

3912

380

cond. slabs w/ elect. stub outs

on steam line foundations

light pole pier

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 033

Request Date = 25 September 2001

Comments Date = 25 September 2001

Location = Near Bldg. 3913 & Bldg. 3912

### Environmental Review Comments

This project proposes the following: (a) to remove overhead steam line support foundations.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require a removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the Caretaker Office.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil is not able to be reused and needs to be disposed, the CSO Office shall be notified and the soil may be disposed of in the soil management area for residential levels (see enclosed map). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

<b>Location:</b> <span style="font-size: 1.2em;">BUILDING 218/97</span>	<b>Contractor:</b> <span style="font-size: 1.2em;">NEAL BROTHERS</span>	<b>Date of Request:</b> <span style="font-size: 1.2em;">18 SEP 01</span>
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Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input checked="" type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____	
Overhead Lines : _____	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input checked="" type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

SEE ATTACHED LTR FROM NEAL BROTHERS REGARDING THE  
DEMOLITION OF OVERHEAD STEAM LINE IN FRONT OF BUILDING 218  
AND MECHANICAL EQUIP. IN BLDG 97. THE ONLY DIGGING WILL BE TO  
REMOVE CONCRETE STEAM LINE SUPPORTS.

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required:</b> <span style="font-size: 1.2em;">ASAP</span>	<b>Termination Date of Permit:</b> <span style="font-size: 1.2em;">01 DEC 01</span>
<b>Signature of Requesting Official:</b> 	<b>Date:</b> <span style="font-size: 1.2em;">18 SEP 01</span> <b>Phone Number:</b> <span style="font-size: 1.2em;">747-0010</span>

## Caretaker Site Office Review

<b>Points of Contact:</b> <b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390  <b>SCE&amp;G:</b> R.W. Smith (work) 745-6381  <b>RDA:</b> Gene Krisley Sewer POC: (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>Neal Brothers</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( _____ )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( _____ )</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">(See Attached Map)</span></li> <li>11. What is the serial # of forwarding letter to RDA? <u>05A</u></li> </ol>
<b>Permit Approved?</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	

<b>CSO Authorizing Signature:</b> <u>Amy Daniell</u> <span style="float: right;">9/18/2001</span>	<b>Date out:</b> <u>20 Sep 2001</u>
<b>CH2MHILL/J.A. Jones Signature:</b> <u>J.A. Jones</u> <span style="float: right;">9/19/01</span>	
<b>BEC Signature:</b> <u>m. A. Hunt</u> <span style="float: right;">9/19/01</span>	<b>Serial Number:</b> <u>032</u>
<b>CSO Officer Signature:</b> <u>Thomas F. Fraucilli</u> <span style="float: right;">9/29/01</span>	

## CH2M-JONES, LLC

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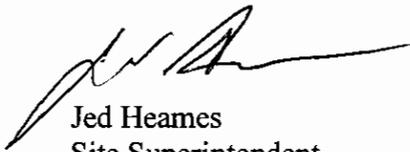
September 19, 2001

To: Charleston Caretaker Site Office (CSO)  
From: CH2M-JONES, LLC

Subject: DIG PERMIT FOR NEAL BROTHERS NEAR BLDGS. 97 AND 218, CSO  
LOG NUMBER 032

CH2M-JONES, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 032, and identified that the proposed work area near Building 218 (steam line removal) is close to the footprint of Solid Waste Management Unit (SWUM) 109. Investigative sampling at SWMU 109 has shown that contaminate concentrations are protective for construction/industrial work.

Respectfully,  
CH2M-JONES, LLC



Jed Heames  
Site Superintendent

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 032  
Request Date = 18 September 2001  
Comments Date = 18 September 2001  
Location = Bldgs. 218 & 97

### Environmental Review Comments

This project proposes the following: (a) to demolish steam line in front of Bldg. 218 and interior mechanical equipment in Bldg. 97. (b) Removing concrete supports for the vertical steam line supports.

The Navy has identified that in the area around Bldg. 218 a release of hazardous substances has occurred, but corrective actions are not necessary because the Navy intends to manage the soil for industrial use. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site and there are no signs of contamination, the CSO should be notified that the soil is being disposed at the Designated Stockpile Area for industrial levels. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090

Ser CSO/054

19 September 2001

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: NEAL BROTHERS REQUEST TO DEMOLISH STEAM LINE IN  
FRONT OF BLDG. 218 & INTERIOR MECHANICAL EQUIPMENT  
IN BLDG. 97**

Your letter of 18 September 2001 forwarded a request from Neal Brothers to perform the subject demolition work for our consideration and approval. The work will be taking place near a contaminated area. In this area, the Navy has identified a release of hazardous substances has occurred, but corrective actions are not necessary because the Navy intends to manage the soil for industrial use. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

The enclosed digging permit is approved; however, please note the comments attached to the digging permit. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please contact our office for disposal instructions.

If you have any questions or comments, please contact Amy Daniell at 743-9985.

Sincerely,

A handwritten signature in black ink that reads "Tom Fressilli". The signature is written in a cursive style with a large, looping initial "T".

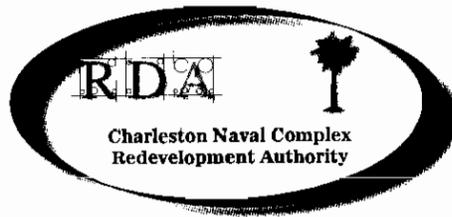
Tom Fressilli  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Eugene R. Ott**

**James S. Minor, Jr.**

**Lou Mintz**

**Jaek C. Spratt**  
*Executive Director*

September 18, 2001

*off 9/18/01*

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: NEAL BROTHERS REQUEST TO DEMOLISH STEAM LINE IN FRONT OF BLDG. 218 AND INTERIOR MECHANICAL EQUIPMENT IN BLDG. 97**

Dear Tom:

We are forwarding the request from Neal Brothers to perform the subject demolition work. The have performed and asbestos sampling (see enclosed report) and are contacting DHEC to give them demolition notice as required. We have included a digging permit, as they will be removing the concrete supports for the vertical steam line supports. However, any disturbed soil will be placed in the hole created by the removal of the supports. We request that you review this proposed work and provide us with your comments.

Thank you in advance for your review of this information. Please contact me with any questions you have regarding this information.

Sincerely,

Sean P. McDonell, P. E.  
Operations Director

/enclosures

# *Neal Brothers - Charleston, Inc.*

## **EXPORT PACKERS-SHIPPERS**

North America Office: Queen's Building, Q3, Charleston Navy Yard, 2120 Avenue D, Charleston, SC 29405

Tel 1 (843) 554 0007 Fax 1 (843) 554 0003 [www.nealbrothers.com](http://www.nealbrothers.com)

e mail: [nealbrothers@nealbrothers.com](mailto:nealbrothers@nealbrothers.com)

United Kingdom Office: Neal Bros-Leicester Ltd, Queen's Building, Q2, Hastings Road, Leicester LE5 0LJ Tel 44 (0) 116 274 0005

Fax 44 (0) 116 274 2028 [www.nealbrothers.com](http://www.nealbrothers.com)

e mail: [neal\\_bros\\_uk@msn.com](mailto:neal_bros_uk@msn.com)

RDA  
1360 Truxton Avenue  
Suite 300  
North Charleston  
SC  
29405

September 14, 2001

FTAO Sean Mc Donell

Dear San

Please find attached the method statement for the removal of the machinery in building 97 on headed paper as required. I also include the report from Albrecht Environmental on the asbestos content on the items we will be removing, this shows the items to be free of asbestos and can be disposed of in the conventional way.

I hope you find this acceptable

Regards



Malcolm Hull

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**WORLD TRADE CENTER**  
World Trader of the Year 2000

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United Kingdom Office: Neal Bros-Leicester Ltd, Queen's Building, Q2, Hastings Road, Leicester LE5 0LJ Tel 44 (0) 116 274 0005

Fax 44 (0) 116 274 2028 www.nealbrothers.com

e mail: neal\_bros\_uk@msn.com

F T A O, SEAN McDONELL P E  
OPERATIONS MANAGER  
RDA

### **Method statement for building 97**

The basic plan is to remove the redundant machinery from the building and surrounding area; these are to be scraped

#### **Outside steel sections and coolers**

##### **Removal**

Secure the immediate area and mark off with warning tape.

Conduct a thorough examination of all the electrical supply to the area to be removed, to ensure the total electrical supply is disconnected at source and marked accordingly

Locate the water pipes and secure any ground supply

Hire access platform and isolate the top supply pipes

Load the access platform with tools for the work involved

Cut thorough and remove the outer pipes and brackets

Cut thorough and remove the floor mounting bolts

Locate the mobile crane to within the desired range of the load to be lifted and rig the mobile to perform the lift when required.

The crane can take up the tension on the slings, but **do not lift**. Look at the sling angle and check all are equal and the mobile crane hook is vertically stationed above the load and not to the side or back. If not move the position of the crane hook until it is.

Lift the load and move it to the side when clear of the base.

##### **Removal of the inside machinery**

Second check of electrical supply will be carried out to confirm the supply is isolated

Locate the water pipes and secure any ground supply

Hire access platform and isolate the top supply pipes

Load the access platform with tools for the work involved

Cut thorough and remove the outer pipes and brackets

Locate the roof covers to be removed (The access and exit for the large machinery is through the roof )

Locate the mobile crane to within the desired range of the load to be lifted and rig the mobile to perform the lift when required.

Cut thorough and remove the floor mounting bolts

Attach the slings suspended from the crane to the machinery, making sure the spread of the chain legs conforms to the lifting code and the load will be balanced when eventually cut free.

The crane can take up the tension on the slings, but **do not lift**. Look at the sling angle and check all are equal and the mobile crane hook is vertically stationed above the load and not to the side or back. If not move the position of the crane hook until it is.

Attach a rope to the end of the machinery, this is to prevent spinning and to enable this to be guided through the roof safely.

**SOUTH CAROLINA**  
**WORLD TRADE CENTER**  
World Trader of the Year 2000

Once exiting the roof, the crane should slew the load clear of the building and lower the load close to the ground, so control of the load via the rope can be regained and land the load in a safe place  
When the load is landed and free from further movement, the slings may be released and the whole procedure can start again.

MALCOLM HULL

# *Neal Brothers - Charleston, Inc.*

## **EXPORT PACKERS-SHIPPERS**

th America Office: Queen's Building, Q3, Charleston Navy Yard, 2120 Avenue D, Charleston, SC 29405

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Fax 44 (0) 116 274 2028 www.nealbrothers.com

e mail: neal\_bros\_uk@msn.com

FT A O, SEAN McDONELL P E  
OPERATIONS MANAGER  
RDA

### **Method statement for building 218**

The basic plan is to remove the redundant steam pipe and free standing stanchions from the surrounding area; these are to be scraped

#### **Steam pipe and steel sections**

##### **Cutting pipe**

Secure the immediate area and mark off with warning tape.

Locate the access platform below the section to be cut

Load the access platform with tools for the work involved

Cut thorough and remove the outer alloy cover

Cut thorough and remove the thermal installation

Cut thorough the steel inner tube

Repeat the above steps, to remove and cut the other end of the steam pipe

##### **Removal of the top steel section**

Move the access platform to the centre of the steel horizontal section

Locate the mobile crane to within the desired range of the load to be lifted and rig the mobile to perform the lift when required.

Ascend in the access platform to attach the slings suspended from the crane to the steel structure, making sure the spread of the chain legs conforms to the lifting code and the load will be balanced when eventually cut free.

The crane can take up the tension on the slings, but **do not lift**. Look at the sling angle and check all are equal and the mobile crane hook is vertically stationed above the load and not to the side or back. If not move the position of the crane hook until it is.

Place the access platform next to the stanchion and remove the bolts, which connect the steel horizontal to the stanchion. An allowance should be made incase the steel springs free, but this will only be six inches if at all.

Attach a rope to the end of the structure, this is to prevent spinning and to enable this to be guided to the floor safely

When one side is free repeat the procedure for the other end

When the last bolt is removed the crane should have the load and it should be free to be lowered.

Remove the access platform clear the immediate area except for the slinger who will guide the load to the floor with the attached rope.

Lower the load and slew the crane as necessary to land the load in a safe place.

When the load is landed and free from further movement, the slings may be released and the whole procedure can start again.

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## Vertical stanchions

Locate access platform next to stanchions and rise to the top.

Locate the mobile crane to within the desired range to lift the stanchions

Place the crane hook above the stanchion and attach the slings

The crane can take up the tension on the slings, but **do not lift**. Look at the sling angle and check all are equal and the mobile crane hook is vertically stationed above the load and not to the side or back. If not move the position of the crane hook until it is.

Lower the platform and remove from the immediate area

Attach a rope to guide the stanchion when lifting

Remove the lower stanchion bolts

Lift stanchion

When clear, slew the load to a safe area and lower the base to the ground, keeping tension on the slings, tip the top over and slowly lower the stanchion to the floor.

When the load is landed and free from further movement, the slings may be released and the whole procedure can start again.

# Charleston Caretaker Site Office Excavation Permit

Requester: Fill Out Upper Half, Date & Sign

**Clearance is requested to proceed with work as follows:**

<b>Location:</b> <i>NAVAL COMPLEX - SOUTH END</i>	<b>Contract No:</b> <i>CPW</i>	<b>Date:</b> <i>11 SEP 01</i>
--	-----------------------------------	----------------------------------

Has work been staked out?    **Yes**    **No**

<b>Facility/Work Involved</b>					
Excavation <input type="checkbox"/>	Pavements <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>	Other _____ <input type="checkbox"/>	
<b>Overhead Lines</b>		Utility <input type="checkbox"/>	Communications <input type="checkbox"/>	<b>Underground Lines</b>	
				Utility <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
<b>Method of Excavation</b>					
Hand <input type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>	Other _____ <input type="checkbox"/>	

**Scope of Work** (Depth, width, length, location & sketch as applicable, road closure, interruption of services, etc.)

SEE ATTACHED CPW LETTER AND CONSTRUCTION DRAWINGS TO INSTALL A 30" DIA. WATER MAIN THROUGH THE SOUTHERN PORTION OF THE NAVAL COMPLEX

Excavator(s) must establish locations and depths of utilities in work area prior to digging, locations of utilities, as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required</b> <i>23 SEP 01</i>	<b>Termination Date of Permit</b> <i>01 MAR 02 Extended to 01 Mar 03</i>
<b>Signature (Requesting Official)</b> 	<b>Date</b> <i>11 SEP 01</i> <b>Phone Number</b> <i>747-0016</i>

**Clearance Review/Routing (CSO Use Only)**

**CSO Log In, Number/Date**  
*029 / Sept. 17, 2001*

Points of Contact		Environmental	
		Remarks/Action	Signature and Date
Water		SouthDiv Code 02	
Robert Sagaser - CPW	529-0653	SouthDiv Code 18	
Sewer		CSO Environmental Compliance	<i>CHEN JONES</i>
Robert Judy - NCSD	764-3072	SWMU # <u><i>180</i></u> AOC # <u><i>610</i></u> Tank # _____	<i>Rosalee 9/28/01</i> <i>Amy Daniel 9/28/01</i>
Electricity		BRAC Environmental Coordinator (BEC)	
R. W. Smith - SCE&G	745-6381	<i>Approved w/ No Comments</i>	<i>M. A. Best 10/1/01</i>
Caretaker Site Office			
Permit Approved? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
			<i>10/02/01</i> (Signature and Date)
CSO Utility Manager			

## CH2M-JONES, LLC

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September 20, 2001

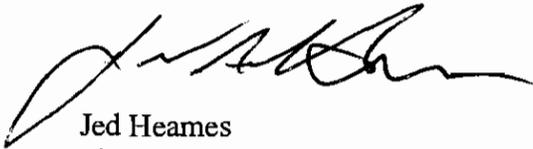
To: Charleston Caretaker Site Office (CSO)  
From: CH2M-JONES, LLC

Subject: DIG PERMIT FOR CPW WATER MAIN INSTALLATION REQUEST, CSO  
NUMBER 029.

CH2M-JONES, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 029. CH2M-JONES, LLC has identified that the proposed work areas (Sheets 3,4, & 5 of project #0021-0004 drawings) are within or near Area of Concern (AOC) 690 (Dredge Materials Area). These work areas that run parallel to Shipyard Creek were identified in the RCRA Facility Investigation (RFI) as having detections of arsenic and benzo(a)pyrene equivalents (BEQs).

CH2M-JONES, LLC does not have any work scheduled or planned for work covered under CSO work permit 029.

Respectfully,  
CH2M-JONES, LLC



Jed Heames  
Site Superintendent

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 029

Request Date = 11 September 2001

Comments Date = 28 September 2001

Location = Southern End of Naval Complex

### Environmental Review Comments

This project proposes the following: (a) to install a 30" water main

The Navy has identified that in the areas that run parallel to Shipyard Creek (Sheets 3, 4, & 5) a release of hazardous substances has occurred, but corrective actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil can not be reused at the excavation site, the CSO should be notified for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090  
Ser CSO/056  
28 September 2001

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: CPW WATER MAIN INSTALLATION**

Your letter of 11 September 2001 forwarded a request from CPW to install a 30" water main through the southern end of the Naval Complex for our consideration and approval. The work will be taking place at or near contaminated areas. In these areas, the Navy has identified a release of hazardous substances has occurred, but corrective actions, in some cases, have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO.

The enclosed digging permit is approved. For specific contaminants that may be encountered throughout the base, please see the comments attached to the digging permit. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please contact the Caretaker Site Office for disposal instructions.

If you have any questions or comments, please contact Amy Daniell at 743-9985.

Sincerely,

A handwritten signature in cursive script that reads "Tom Fressilli". The signature is written in black ink and is positioned above the printed name and title.

Tom Fressilli  
Caretaker Site Officer  
By the direction of the Commander

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Susan K. Dunn**

**James S. Minor, Jr.**

**Eugene R. Ott**

**Jack C. Sprott**  
*Executive Director*

September 11, 2001

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: CPW WATER MAIN INSTALLATION REQUEST**

Dear Tom:

We received the attached request from CPW to install a 30" water main through the southern end of the Naval Complex. This water main will cross under the Cooper River to supply water to Daniel Island. The easement that is indicated on the drawings has been surveyed and we have approved of the route. The easement is currently being appraised for a final easement agreement between the Redevelopment Authority and CPW, which will be forwarded to Southern Division's Real Estate personnel for approval. We request that you review these construction drawings and digging permit request and provide us with your comments.

Thank you in advance for your review of this information. Please contact me with any questions you have regarding this information.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures



**COMMISSIONERS OF PUBLIC WORKS**

of the City of Charleston  
South Carolina

Shawn McDonnell -- Engineering Director  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
Charleston, SC 29405-2005

Date: September 7, 2001

Re: Construction Plans for 2<sup>nd</sup> Feed to Daniel Island

Dear Shawn,

Our consultant, HGBD has now completed the construction drawings for the portion of the route through the old Navy Base. As I understand from past conversations you must now review these drawings with the Navy and this process normally takes two to three weeks. Our goal is still to have this portion of the route secured by the end of September. We continue to appreciate your valuable time and assistance with this process and look forward to working with you during the construction phase of the project.

Respectfully Submitted,

Joe Eelman, PE  
Engineering Associate  
Charleston CPW

Email C:     Bob Horner, PE, CPW  
                  Kip Gearhart, PE, CPW  
                  Kin Hill, PE, CPW  
                  Robert Sageser, CPW  
                  Alan Townsend, PE, HGBD  
                  Donnie Dukes, PE, Davis & Floyd, Inc  
                  Philip Markum, Davis & Floyd, Inc

## Daniell, Amy (Efdsouth)

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**From:** Daniell, Amy (Efdsouth)  
**Sent:** Monday, October 29, 2001 2:45 PM  
**To:** 'scaturdm@dhec.state.sc.us'  
**Cc:** Hunt, Tony (Efdsouth)  
**Subject:** CPW to install water main in vicinity of AOC 690

This e-mail's purpose is to provide you with notification that CPW will be installing a 30" water main along the Southern End of the Naval Complex in the area of AOC 690. We have notified CPW that they will be digging in an area of concern and the contaminants they may encounter and to take necessary precautions to minimize dermal exposure to their workers. They are also to stop work immediately if there is suspect soil or an unusual odor. Please contact our office if you have any questions or concerns.

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: <u>Co "D"</u>	Contractor: <u>S.C. E+G</u>	Date of Request: <u>9/13/01</u>
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Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____	
Overhead Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation: _____	Hand <input checked="" type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>

Other: \_\_\_\_\_

**Scope Of Work:** (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

INSTALLING ELECTRICAL CONDUIT FROM AVE D TO  
HOLSON AVE BETWEEN BLD 30 & BLD 420. EXCAVATION  
WILL BE 48" DEEP AND 24" WIDE. "SEE SKETCH"

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: <u>9-17-01</u>	Termination Date of Permit: <u>10-17-01</u>
Signature of Requesting Official: <u>Richard W. Smith</u>	Date: <u>9-13-01</u> Phone Number: <u>745-6381</u>

### Caretaker Site Office Review

<p><b>Points of Contact:</b></p> <p><b>CPW :</b> Robert Sagasser (work) 529-0653 (page) 570-0390</p> <p><b>SCE&amp;G:</b> R.W. Smith (work) 745-6381</p> <p><b>Sewer:</b> Kelly Singer (work) 764-3072</p> <p><b>RDA:</b> Gene Knlesley (work) 747-0010</p>	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>NAVY/SEEG</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>4. Are any AOC(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (_____)</li> <li>5. Has DHEC been notified? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? (See Attached Map)</li> <li>11. What is the serial # of forwarding letter to RDA? <u>N/A</u></li> <li>12. Send courtesy copy to CH2M HILL/JA Jones. <input type="checkbox"/> Yes <input type="checkbox"/> No</li> </ol> <p style="text-align: right;">Permit Approved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
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CSO Authorizing Signature: <u>Amy Daniell 9/14/01</u>	Date out: <u>9/14/01</u>
CH2M Jones: <u>[Signature]</u>	Serial Number: <u>028</u>
BEU: <u>[Signature]</u> 9/17/01	
CSO Officer: <u>Thomas F. [Signature]</u> 9/17/01	



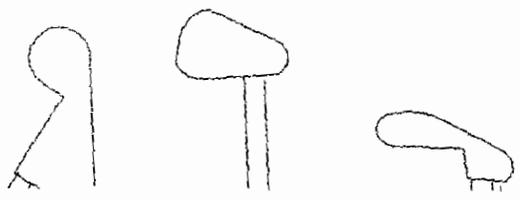
451-B

420

30

904

1443



## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 028

Request Date = 13 September 2001

Comments Date = 13 September 2001

Location = Ave. D to Hobson Ave. between Bldgs. 30 & 420

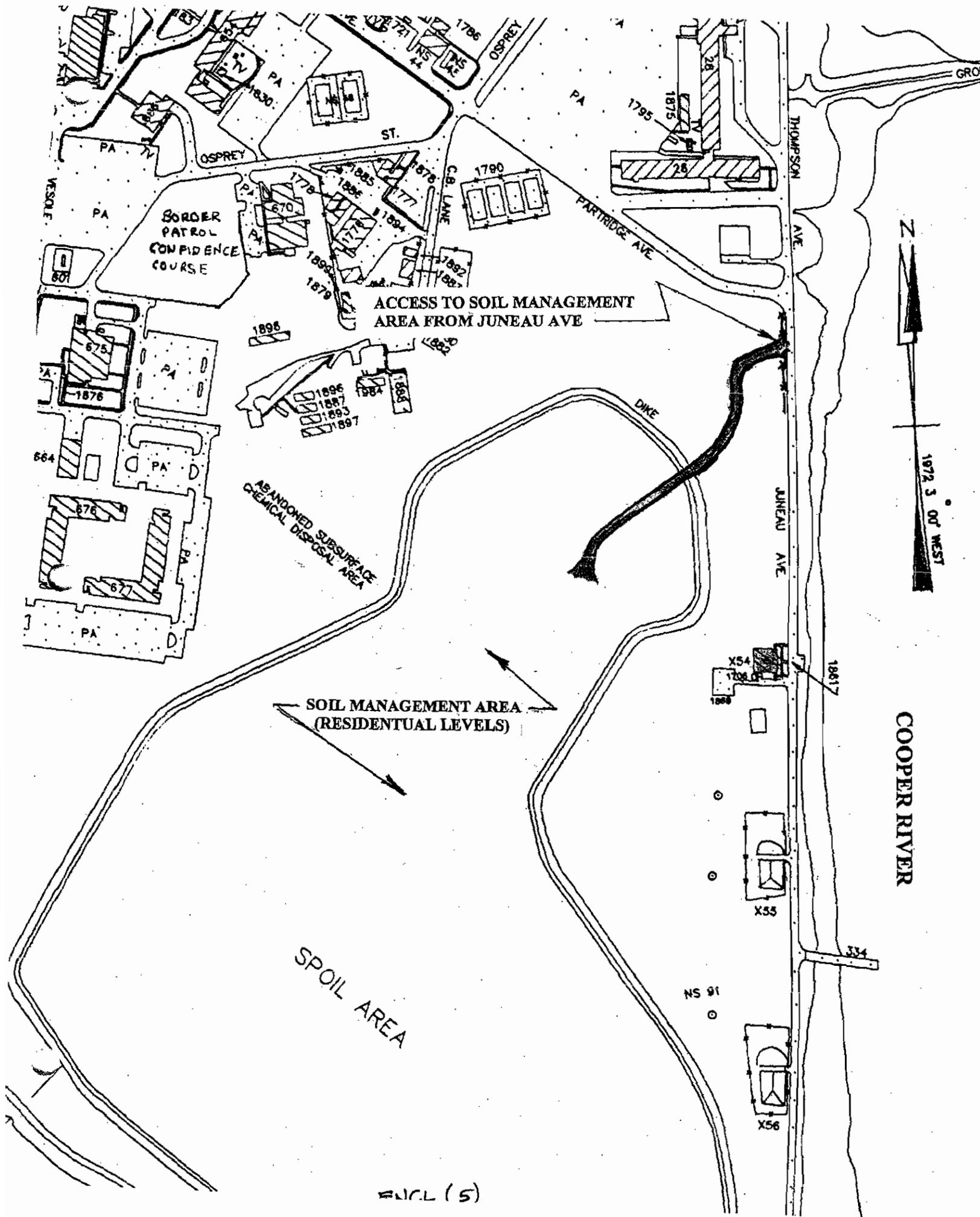
### Environmental Review Comments

This project proposes the following: (a) to install electrical conduit

The Navy has identified that in this area a release of hazardous substances has occurred, but corrective actions are not necessary because the Navy intends to manage the soil for industrial use. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification.

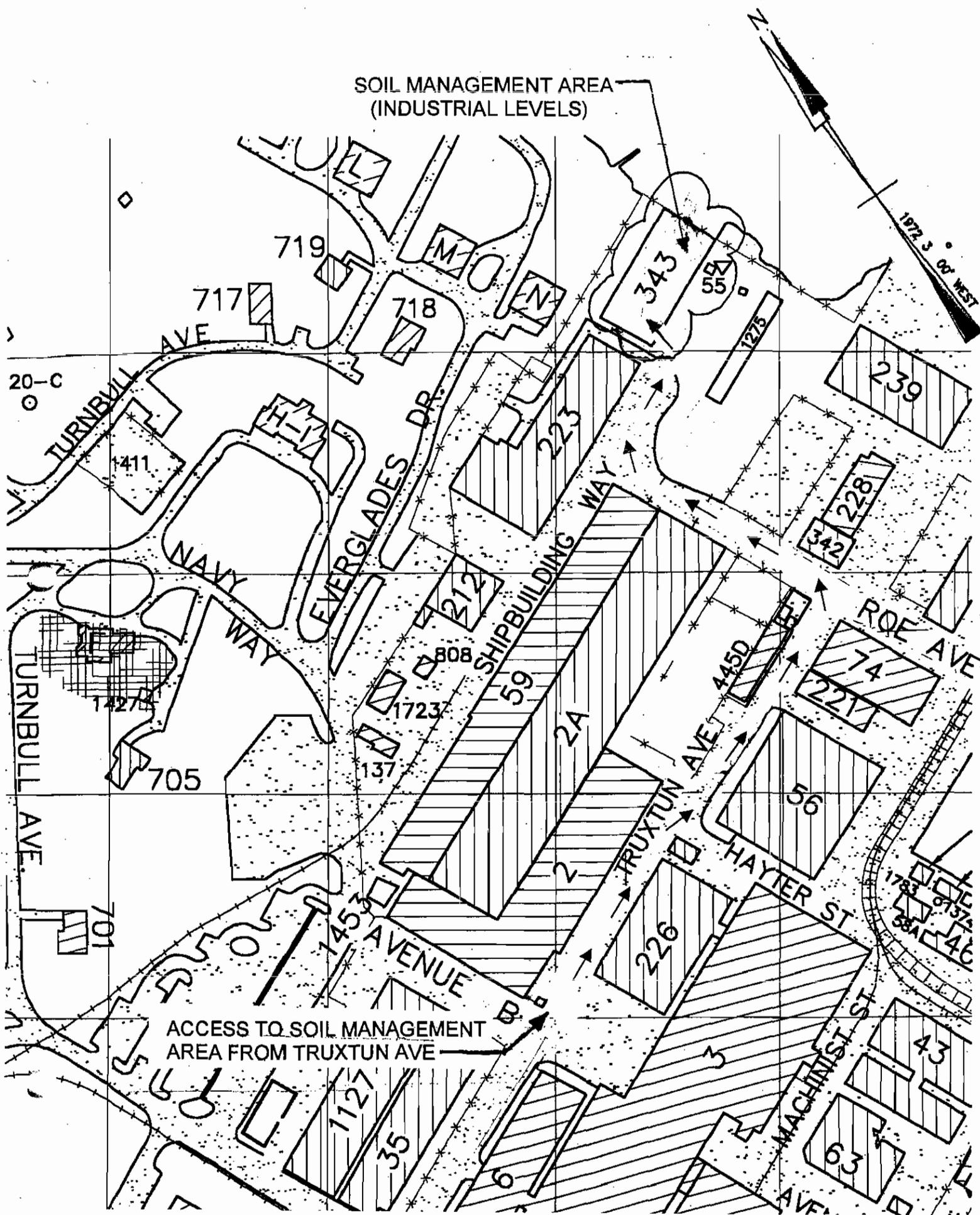
No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil is not able to be reused at the excavation site and there are no signs of contamination, the CSO should be notified that the soil is being disposed at the Designated Stockpile Area (see enclosure 6). If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



COOPER RIVER

SOIL MANAGEMENT AREA  
(INDUSTRIAL LEVELS)



ACCESS TO SOIL MANAGEMENT  
AREA FROM TRUXTUN AVE

**Charleston Caretaker Site Office Excavation Permit**

Requester: Fill Out Upper Half, Date & Sign

Clearance is requested to proceed with work as follows:

<b>Location:</b> <i>THROUGHOUT THE NAVAL COMPLEX</i>	<b>Contract No:</b> <i>RDA MIO-NO37-MJ-A</i>	<b>Date:</b> <i>11 SEP 01</i>
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Has work been staked out?    **Yes**    **No**

Facility/Work Involved

Excavation <input type="checkbox"/>	Pavements <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>	Other _____
<u>Overhead Lines</u>	Utility <input type="checkbox"/>	Communications <input type="checkbox"/>	<u>Underground Lines</u>	Utility <input checked="" type="checkbox"/>
Hand <input checked="" type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>	Other _____

**Scope of Work** (Depth, width, length, location & sketch as applicable, road closure, interruption of services, etc.)

*SEE ATTACHED CONSTRUCTION DRAWINGS PREPARED BY DAVIS+FLOYD TO PERFORM WASTEWATER LINE AND MANHOLE REPAIRS THROUGHOUT THE NAVAL COMPLEX (MIO-NO37-MJ-A)*

Excavator(s) must establish locations and depths of utilities in work area prior to digging, locations of utilities, as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required</b> <i>ASAP</i>	<b>Termination Date of Permit</b> <i>01 MAR 02</i>
<b>Signature (Requesting Official)</b> <i>[Signature]</i>	<b>Date</b> <i>11 SEP 01</i>
<b>Phone Number</b> <i>747-0010</i>	

**Clearance Review/Routing (CSO Use Only)**

**CSO Log In Number/Date**  
*027 / 13 Sept. 2001*

Points of Contact	Environmental
Remarks/Action	Signature and Date
Water  Robert Sagaser - CPW                      529-0653	South Div Code 02 <i>CHM/HU/JA/JENS</i> South Div Code 18 CSO <i>[Signature]</i> 9/24/01
Sewer  Robert Judy - NCSD                      764-3072	CSO Environmental Compliance  SWMU # _____ AOC # _____ Tank # _____ *Please see attached comments. BRAC Environmental Coordinator (BEC) <i>M.A. Hunt</i> 9/25/01
Electricity  R. W. Smith - SCE&G                      745-6381	Caretaker Site Office <i>EXCEPT AREA 6A</i> Permit Approved? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <i>Thomas F. Fusilli</i> 9/25/01 CSO Utility Manager                      (Signature and Date)

**James C. Bryan**  
*Chairman*

**Lonnie Hamilton, III**  
*Vice Chairman*

**Ronnie M. Givens**  
*Secretary/Treasurer*

**James M. Deaton**  
*Assistant Secretary/Treasurer*



**Susan K. Dunn**

**James S. Minor, Jr.**

**Eugene R. Ott**

**Jack C. Sprott**  
*Executive Director*

September 11, 2001

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

**Subject: CNRA WASTEWATER COLLECTION SYSTEM IMPROVEMENTS:  
LINE & MANHOLE REHABILITATION**

Dear Tom:

We have awarded an EDA grant funded project to Insituform Technologies, Inc. to perform wastewater line and manhole rehabilitation throughout the Naval Complex. All work will be done using Cured-In-Place Pipe (CIPP) and a cementitious manhole liner. However, there are a few locations for which some digging will be required to make point repairs and repair/replace manholes. Sheets 2, 6, 7, 8, 10, 11 contain line point repairs and/or manhole repair/replacement. We request that you review these construction drawings and digging permit request and provide us with your comments.

The contractor has mobilized, but is currently doing the videotaping work required prior to initiating repairs. Thank you in advance for your review of this information. Please contact me with any questions you have regarding this information.

Sincerely,

  
Sean P. McDonnell, P. E.  
Operations Director

/enclosures

## CH2M-JONES, LLC

---

September 20, 2001

To: Charleston Caretaker Site Office (CSO)  
From: CH2M-JONES, LLC

Subject: DIG PERMIT FOR WASTEWATER COLLECTION SYSTEM  
IMPROVEMENTS, LINE & MANHOLE REHABILITATION INCLUDED  
UNDER CSO LOG NUMBER 027.

CH2M-JONES, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 027. CH2M-JONES, LLC has identified that the proposed work is within or near several Area's of Concern (AOCs) and Solid Waste Management Units (SWMUs). The below information only provides limited information as to potential contaminates that may be encountered at specific areas. Detailed reports and sampling data from the RCRA Facility Investigation (RFI) is available for public review.

The following notes were generated for consideration based on the Davis & Floyd drawings (Sanitary Sewer System Manhole and Main line Rehab) provided with Dig Permit 027.

#### Area 1:

The work area by Building 1606 is within the footprint of SWMU 2 that has a history of lead contaminated soil; however, the site was remediated and the location of work does not appear to be in an area where elevated lead levels once existed. No work is presently scheduled for this site.

#### Area 2:

The work area is within the footprint of SWMU 54, a former blast grit area. The November 1997 RFI identified VOC's, SVOC's and inorganics as potential contaminates of concern; however, the work is on the outside perimeter of SWMU 54 where previous sampling did not identify excessive levels of contamination. No remedial work is presently scheduled for this site.

#### Area 3:

The work area by Building 1646 is within or near the footprint of AOC 700 (former golf maintenance shed). CH2M-JONES, LLC performed a remedial activity at this site to remove surface soils (0-4 foot in depth) with elevated arsenic levels and detections of pesticides. No further work at this site is presently scheduled.

#### Area 4:

The work area does not impact any AOCs or SWMUs.

Area 5:

The work area by Building 342 is within or near the footprint of AOC 550. The November 1997 RFI did not identify any soil contaminants of concern. Elevated levels of arsenics were detected in groundwater. No work is presently scheduled for AOC 550.

The work area by Buildings 6 and 226 is within or near the footprint of AOC 541 and 542. The November 1997 RFI identified petroleum products and inorganics as contaminants of potential concern at these AOC's. Additionally, there is a former Underground Storage Tank (petroleum) that is scheduled for removal this year (2001).

The work area by Buildings 5 and former 44 is very close to SWMU's 25 and 70. Work in this area appears to be close to Hobson Avenue which on the perimeter of these SWMU footprints. SWMU 70 has been found to contain high-concentrations of Chromium in shallow and deep groundwater including some chlorinated solvents. Soil contaminants identified in the (RFI) include copper, lead, and benzo (a) pyrene equivalents. SWMU 70 is scheduled for remediation the beginning of 2002. This remediation could impact work in this area for approximately one month.

Area 6:

The work area by Buildings 68 and 1824 runs through AOCs 619 and 620; however, the work shown is across the street from Buildings 68 and 1824 where no soil contamination concerns have been identified. Demolition of Building 68 and soil remediation (lead) under/adjacent to Building 68 is currently being scheduled. Note: Building 68 has sewer lines that tie into the sewer to be worked.

Area 6A:

The work area by Building 1189 is within the footprint of AOC 607. This site is currently undergoing remediation for Chlorinated solvents utilizing electrical resistance heating that may impact sewer lines in the local area. CH2M-JONES, LLC **does not approve** of work on the sewer system piping associated with this site. Work is scheduled to continue into the spring of 2002.

Area 7:

The work area does not impact any AOCs or SWMUs.

Area 7a:

The work area runs within or near the fuel distributions system that has several areas that have had petroleum contamination identified. Workers may encounter soil impacted by this contamination. CH2M-JONES, LLC is scheduled to perform soil removal in Area 20 of the Fuel Distribution System adjacent to Hobson Avenue near Viaduct Road this year (2001).

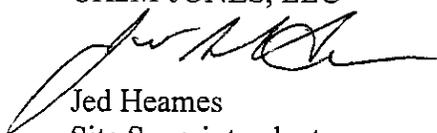
Area 8:

The work area does not impact any AOCs or SWMUs.

Area 9:

The work area does not impact any AOCs or SWMUs.

Respectfully,  
CH2M-JONES, LLC

A handwritten signature in black ink, appearing to read 'Jed Heames', written over the printed name.

Jed Heames  
Site Superintendent

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 027

Request Date = 11 September 2001

Comments Date = 25 September 2001

Location = Throughout the Charleston Naval Complex

### Environmental Review Comments

This project proposes the following: (a) to perform wastewater line and manhole rehabilitation

The Navy has identified that in this area a release of hazardous substances has occurred, and required actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of excavating, digging, trenching, probing, or any other intrusive activity, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the Caretaker Office.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil is not able to be reused and needs to be disposed, the CSO Office shall be notified for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 190010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090  
Ser CSO/055  
25 September 2001

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: CNCRA WASTEWATER COLLECTION SYSTEM  
IMPROVEMENTS: LINE & MANHOLE REHABILITATION**

Your letter of 11 September 2001 forwarded a request to perform the subject line and manhole rehabilitation for our consideration and approval. The work will be taking place at or near contaminated areas. In these areas, the Navy has identified a release of hazardous substances has occurred, but corrective actions, in some cases, have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If contamination is discovered at any time during the course of this project, whether contamination is expected or not, all work shall be stopped immediately and the CSO shall be notified. Any soil that exhibits an odor, is visually discolored or has objects in it that would indicate the possibility of a release of chemicals requires notification to the RDA and CSO.

The enclosed digging permit is approved except for the work around Bldg. 1189. Work shall not take place in the area around Bldg. 1189 until the Navy has completed their site remediation. After the remediation has taken place, the Navy will require a separate dig permit be submitted for the work conducted in this area. For specific contaminants that may be encountered throughout the base, please see the comments attached to the digging permit. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please contact the Caretaker Site Office for disposal instructions.

If you have any questions or comments, please contact Amy Daniell at 743-9985.

Sincerely,

A handwritten signature in black ink that reads "Tom Fressilli". The signature is written in a cursive style with a large, sweeping initial "T".

Tom Fressilli  
Caretaker Site Officer  
By the direction of the Commander

## Daniell, Amy (Efdsouth)

---

**From:** Daniell, Amy (Efdsouth)  
**Sent:** Monday, October 29, 2001 2:56 PM  
**To:** 'scaturdm@dhec.state.sc.us'  
**Cc:** Hunt, Tony (Efdsouth)  
**Subject:** RDA performing wastewater collection improvements throughout Charleston Naval Complex

This e-mail's purpose is to provide you with notification that the RDA has contracted Insituform Technologies, Inc. to perform wastewater line and manhole rehabilitation throughout the Naval Complex. During this project, the contractor will be performing work in the area of the following SWMU and AOC's: SWMU 2, SWMU 54, AOC 700, AOC 550, AOC 541, and AOC 542. We have notified the RDA and Insituform Technologies that they will be digging in an area of concern and the contaminants they may encounter and to take necessary precautions to minimize dermal exposure to their workers. They are also to stop work immediately if there is suspect soil or an unusual odor. Please contact our office if you have any questions or concerns.

# CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

Requester: Fill out top portion, Sign and date.

Location: <u>20 Cofer St.</u>	Contractor: <u>S.C.E &amp; G</u>	Date of Request: <u>9-7-01</u>
----------------------------------	-------------------------------------	-----------------------------------

Has the proposed work been staked out?  Yes  No

Facility/ Work involved (Please check below)

Excavation <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>
Pavements <input type="checkbox"/>	Other: _____	
Overhead Lines : _____	Utilities <input checked="" type="checkbox"/>	Communications <input type="checkbox"/>
Underground Lines : _____	Utilities <input type="checkbox"/>	Communications <input type="checkbox"/>
Method of Excavation:	Hand <input type="checkbox"/>	Power Shovel <input type="checkbox"/>
	Ditcher <input type="checkbox"/>	Auger <input checked="" type="checkbox"/>

Other: \_\_\_\_\_

Scope Of Work: (Depth, width, length, location & sketch as applicable, road closure, service interruption, etc.)

Augering three feet by seven feet deep.  
See sketch for location

Excavator(s) must establish locations and depths of utilities in work area prior to digging. Locations of utilities as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required: <u>9-10-01</u>	Termination Date of Permit: <u>9-10-01</u>
Signature of Requesting Official: <u>Richard A. Smith</u>	Date: <u>9-7-01</u> Phone Number: <u>745-6381</u>

Caretaker Site Office Review	
<b>Points of Contact:</b> CPW : Robert Sagasser (work) 529-0653 (page) 570-0390  SCE&G: R.W. Smith (work) 745-6381  Sewer: Kelly Singer (work) 764-3072  RDA: Gene Kniesley (work) 747-0010	<ol style="list-style-type: none"> <li>1. Who is the current Land Owner/ Leasee? <u>RDA</u></li> <li>2. Is the Area inside the CIA? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>3. Are any SWMU(s) impacted? If yes, list. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ( )</li> <li>4. Are any AOC(s) impacted? If yes, list. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (<u>AOC 107</u>)</li> <li>5. Has DHEC been notified? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>6. Will soil need to be temporarily stockpiled? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</li> <li>7. What constituents will soil be tested for? _____</li> <li>8. Soil Test results above residential background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>9. Soil Test results above industrial background? <input type="checkbox"/> Yes <input type="checkbox"/> No</li> <li>10. Area where soil is to be stockpiled? (See Attached Map)</li> <li>11. What is the serial # of forwarding letter to RDA? <u>N/A</u></li> <li>12. Send courtesy copy to CH2MHill/JA Jones. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <u>[Signature]</u></li> </ol> <p style="text-align: center;">Permit Approved? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>

CSO Authorizing Signature: <u>Amy Daniell</u>	Date out: <u>7 Sept. 01</u>
BEC <u>[Signature]</u> 9/7/01 CSO Officer <u>T.F. Fenuilli</u> 9/7/01	Serial Number: <u>026</u>

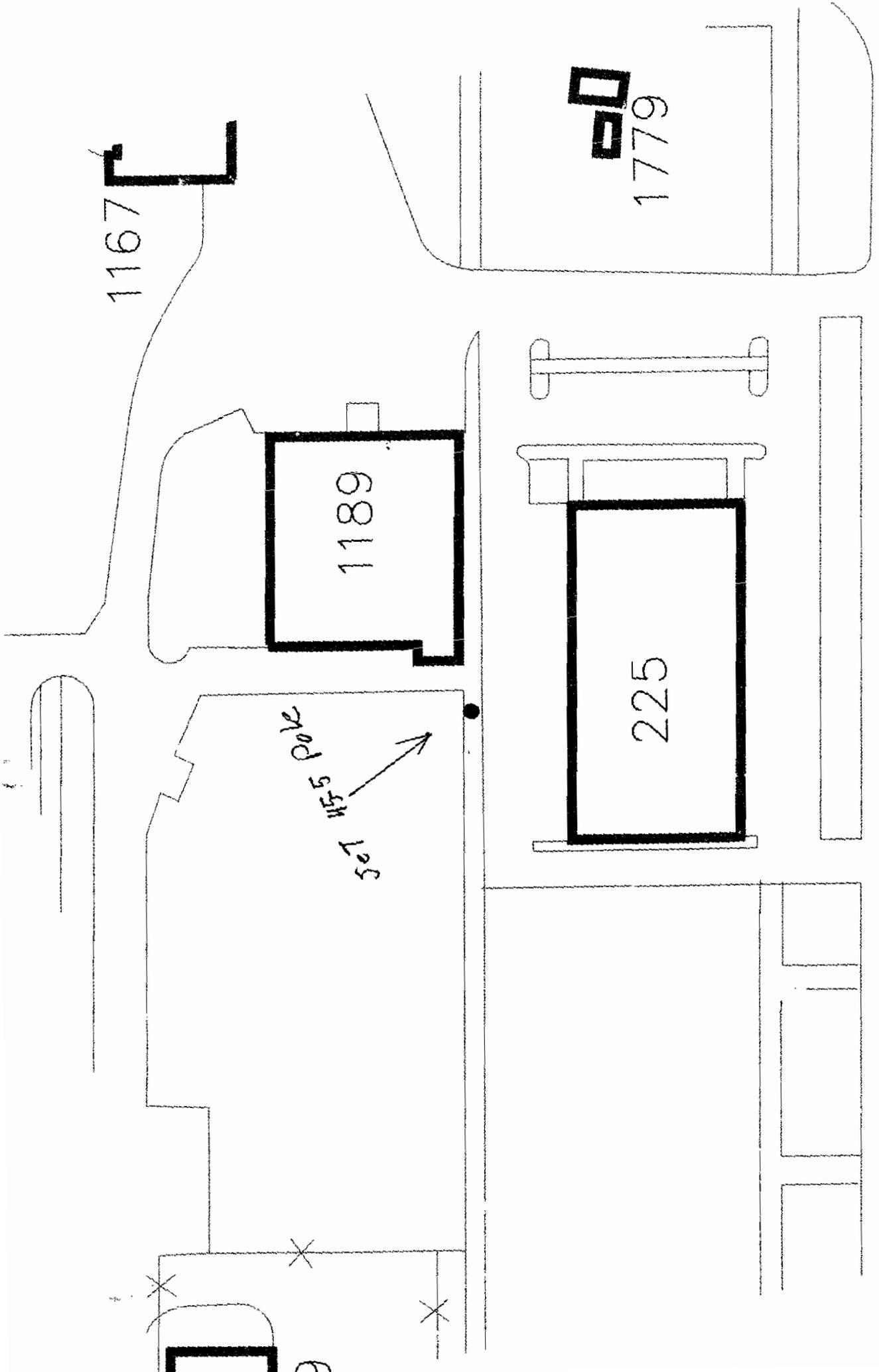
1167

1779

1189

225

SET FIRE POLE



## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 026  
Request Date = 7 September 2001  
Comments Date = 7 September 2001  
Location = At NW corner of Bldg. 1189

### Environmental Review Comments

This project proposes the following: (a) to install a power pole

The Navy has identified that in this area a release of hazardous substances has occurred, and required actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If a worker feels during any excavation that there is suspect soil or an unusual odor, work shall be stopped immediately and the Caretaker Office shall be notified.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil is not able to be reused and needs to be disposed, the CSO Office shall be notified for testing and disposal instructions. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

## Daniell, Amy (Efdsouth)

---

**From:** Daniell, Amy (Efdsouth)  
**Sent:** Friday, September 07, 2001 4:35 PM  
**To:** 'scaturdm@dhec.state.sc.us'  
**Cc:** Hunt, Tony (Efdsouth)  
**Subject:** SCE&G to install power pole in the area of AOC 607

This e-mail's purpose is to provide you with notification that SCE&G will be installing a power pole in the area of AOC 607. This power pole is needed to perform remediation at this site by CH2M Hill/JA Jones. We have notified SCE&G that they will be digging in an area of concern and to take necessary precautions to minimize dermal exposure to their workers. They do not anticipate any excess soil. Please contact our office if you have any questions or concerns.

# Charleston Caretaker Site Office Excavation Permit

Requester: Fill Out Upper Half, Date & Sign

**Clearance is requested to proceed with work as follows:**

<b>Location:</b> <i>SE corner NH62</i> <i>(see attached sketch)</i>	<b>Contract No:</b> <i>N/A</i>	<b>Date:</b> <i>9/7/01</i>
--	-----------------------------------	-------------------------------

**Has work been staked out?** (Yes)  (No)

**Facility/Work Involved**

Excavation <input checked="" type="checkbox"/>	Pavements <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>	Other <input type="checkbox"/>
<b>Overhead Lines</b>	Utility <input type="checkbox"/>	Communications <input type="checkbox"/>	<b>Underground Lines</b>	Utility <input type="checkbox"/>
Hand <input checked="" type="checkbox"/>	Power Shovel <input type="checkbox"/>	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>	Other <input type="checkbox"/>

**Scope of Work** (Depth, width, length, location & sketch as applicable, road closure, interruption of services, etc.)

*Trench to install 2" electrical conduit. Approx 2' deep.*

*Required to transfer power for NH-68 from existing Charleston Naval Base system to new SCE&G system*

*Please see attached comments!*

Excavator(s) must establish locations and depths of utilities in work area prior to digging, locations of utilities, as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required</b> <i>9/7/01</i>	<b>Termination Date of Permit</b> <i>9/14/01</i>	
<b>Signature (Requesting Official)</b> <i>[Signature]</i>	<b>Date</b> <i>9/7/01</i>	<b>Phone Number</b> <i>(843) 747-0010</i>

**Clearance Review/Routing (CSO Use Only)**

**CSO Log In Number/Date**  
*025 / 7 Sept. 2001*

Points of Contact	Remarks/Action	Environmental Signature and Date
Water  Robert Sagaser - CPW                      529-0653	South Div Code 02  <del>Comments</del> CHM/HH JA Jones <i>[Signature]</i> 9/7/01	
Sewer  Robert Judy - NCSD                      764-3072	CSO Environmental Compliance  SWMU # <u>No</u> AOC # <u>No</u> Tank # <u>No</u>	<i>Amy Daniell</i> 9/7/01
Electricity  R. W. Smith - SCE&G                      745-6381	BRAC Environmental Coordinator (BEC) <i>No comments</i>	<i>M.A. Hunt</i> 9/7/01
<b>Caretaker Site Office</b>		
Permit Approved? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		
<i>Thomas F. Frulli</i> / 7 Sep 2001 CSO Utility Manager		<i>[Signature]</i> (Signature and Date)



## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 025  
Request Date = 7 September 2001  
Comments Date = 7 September 2001  
Location = SE corner of Bldg. NH62

### Environmental Review Comments

This project proposes the following: (a) to install electrical conduit.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If a worker feels during any excavation that there is suspect soil or an unusual odor, work shall be stopped immediately and the Caretaker Office shall be notified.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil is not able to be reused and needs to be disposed, the soil may be disposed of in the DMA Stockpile as long as there is no visible contamination or odor present. The CSO shall be notified if excess soil needs to be placed in the stockpile area. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

## CH2M-JONES, LLC

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September 7, 2001

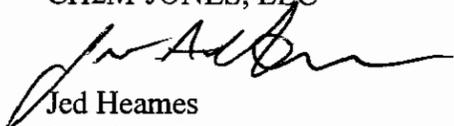
To: Charleston Caretaker Site Office (CSO)  
From: CH2M-JONES, LLC

Subject: DIG PERMIT FOR SCE&G NEAR BLDGS. 30 AND 25, CSO LOG NUMBER  
025

CH2M-JONES, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 25, and identified that the proposed work area between Buildings NH62 and NH61 is within and/or near an area where two Underground Storage Tanks containing petroleum product once existed. These tanks have been removed and a No Further Action (NFA) for both tanks has been issued by SCDHEC; however, the potential exists that workers performing excavation activities in this area could encounter petroleum contamination in the soil.

CH2M-JONES, LLC does not have any scheduled remedial actions in the area of work identified by CSO Log Number 025 documentation.

Respectfully,  
CH2M-JONES, LLC



Jed Heames  
Site Superintendent

# Charleston Caretaker Site Office Excavation Permit

Requester: Fill Out Upper Half, Date & Sign

Clearance is requested to proceed with work as follows:

<b>Location:</b> <i>NEAR PIER "K"</i>	<b>Contract No:</b> <i>EASON DIVING</i>	<b>Date:</b> <i>9/4/01</i>
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Has work been staked out?    **Yes**    **No**

Facility/Work Involved

Excavation <input type="checkbox"/>	Pavements <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>	Other <i>FENCE POSTS</i> <input checked="" type="checkbox"/>
<u>Overhead Lines</u>	Utility <input type="checkbox"/>	Communications <input type="checkbox"/>	<u>Underground Lines</u>	Utility <input type="checkbox"/>
<u>Method of Excavation</u>				
Hand <input checked="" type="checkbox"/>	Power Shovel <input type="checkbox"/>	Ditcher <input type="checkbox"/>	Auger <input checked="" type="checkbox"/>	Other <input type="checkbox"/>

**Scope of Work** (Depth, width, length, location & sketch as applicable, road closure, interruption of services, etc.)

*PLEASE SEE ATTACHED LTR AND DRAWING DATED 8/24/01 FROM DAVIS + FLOYD, INC. REGARDING A FENCE TO BE INSTALLED ALONG THE SURVEYED BOUNDARY OF EASON DIVING'S LEASED PROPERTY IN THE VICINITY OF PIER "K"!*

Excavator(s) must establish locations and depths of utilities in work area prior to digging, locations of utilities, as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required</b> <i>ASAP</i>	<b>Termination Date of Permit</b> <i>31 DEC 01</i>	
<b>Signature (Requesting Official)</b> 	<b>Date</b> <i>9-4-01</i>	<b>Phone Number</b> <i>747-0010</i>

<b>Clearance Review/Routing (CSO Use Only)</b>	<b>CSO Log In Number/Date</b> <i>024 / 6 Sept. 2001</i>
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Points of Contact	Environmental
Remarks/Action	Signature and Date
Water  Robert Sagaser - CPW                      529-0653	<del>Somehow</del> <i>CH2M Hill / H.A. Jones</i> <i>[Signature]</i> 8/6/01
Sewer  Robert Judy - NCSD                      764-3072	CSO Environmental Compliance SWMU # <u>  No  </u> AOC # <u>  No  </u> Tank # <u>  No  </u> <i>Amy Danielli</i> 9/6/01
Electricity  R. W. Smith - SCE&G                      745-6381	BRAC Environmental Coordinator (BEC) <i>M. A. Hunt</i> 9/6/01
<b>Caretaker Site Office</b>	
Permit Approved? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <i>Thomas F. Freuille</i> 9 Sept. 2001 CSO Utility Manager                      (Signature and Date)	

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 024

Request Date = 28 August 2001

Comments Date = 4 September 2001

Location = In the vicinity of Pier K and Bldg. 124

### Environmental Review Comments

This project proposes the following: (a) to install fence posts

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If a worker feels during any excavation that there is suspect soil or an unusual odor, work shall be stopped immediately and the Caretaker Office shall be notified.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil is not able to be reused and needs to be disposed, the soil may be disposed of in the DMA Stockpile as long as there is no visible contamination or odor present. The CSO shall be notified, 24 hours in advance, if excess soil needs to be placed in the stockpile area. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
P.O. BOX 180010  
2155 EAGLE DRIVE  
NORTH CHARLESTON, S.C. 29419-8010

5090  
Ser CSO/051  
6 September 2001

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: EASON DIVING REQUEST TO ERECT FENCE**

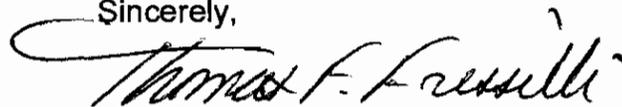
Your letter of 4 September 2001 forwarded a request from Eason Diving to install fence posts for our consideration and approval.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If a worker feels during excavation that there is suspect soil or an unusual odor, work shall be stopped immediately and the Caretaker Office shall be notified.

The enclosed digging permit is approved; however, please note our comments attached to the digging permit. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please contact our office for disposal instructions.

If you have any questions or comments, please contact Rick Nielson or Amy Daniell at 743-9985.

Sincerely,

  
Tom Fressilli  
Caretaker Site Officer  
By the direction of the Commander

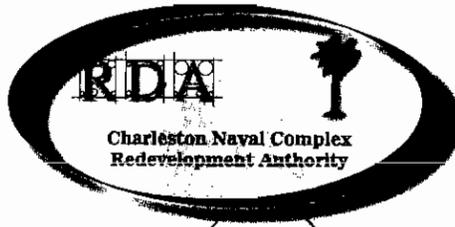
Enclosure: Digging Permit #024 with comments

James C. Bryan  
Chairman

Lonnie Hamilton, III  
Vice Chairman

Ronnie M. Givens  
Secretary/Treasurer

James M. Deaton  
Assistant Secretary/Treasurer



Susan K. Dunn

James S. Minor, Jr.

Eugene R. Ott

Jack C. Spratt  
Executive Director

September 4, 2001

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

Subject: EASON DIVING REQUEST TO ERECT FENCE

Dear Tom:

We received the attached request from Davis & Floyd, Inc. on behalf of Eason Diving to erect a fence around their leased property in the vicinity of Pier "K". We have attached a digging permit request as fence posts will need to be installed. The fence detail appears to meet the CNCRA standard requiring vinyl mesh.

Please provide us with any comments you have regarding their planned fence. Thank you in advance for your review of this information. Please contact me with any questions you have regarding this information. Please return the drawing with your comments, as it is the only copy we received and we would like to add it to the facility drawings in the vault.

Sincerely,

  
Sean P. McDonell, P. E.  
Operations Director

/enclosures

9/5/01  
Amy  
Pier's  
another  
alteration  
request that  
might  
digging  
Tom  
F.

**DAVIS** Engineering  
**FLOYD** Architecture  
Environmental & Laboratory Services

P.O. Box 61599 Charleston, SC 29419 • 3229 West Montague Avenue Charleston, SC 29418 • (843) 554-8602 (office) (843) 747-6485 (fax)

August 24, 2001

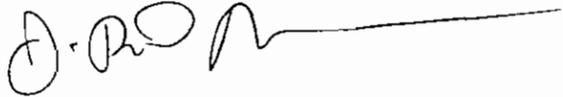
Mr. Sean McDonell, PE  
Engineering Director  
1360 Truxton Avenue - Suite 300  
North Charleston, SC 29405

RE: Eason Diving  
Perimeter Fence Plan

Dear Mr. McDonell:

As we discussed in our meeting on Wednesday August 22, 2001, enclosed is the perimeter fence plan for Eason Diving's property near Kilo and Pierside Streets. At your earliest convenience, please review and comment on the plan and if you have any questions or need additional information, please feel free to call me.

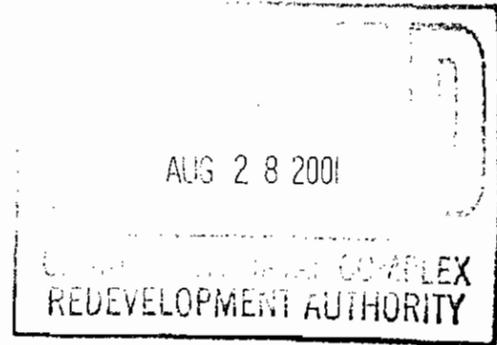
Very Truly Yours,  
**DAVIS & FLOYD, INC.**



J. Rhett Reidenbach

xc: Tom Eason (Eason Diving)

Enclosure



# Charleston Caretaker Site Office Excavation Permit

Requester: Fill Out Upper Half, Date & Sign

Clearance is requested to proceed with work as follows:

<b>Location:</b> <span style="font-size: 1.2em; font-family: cursive;">BUILDING 193/PIERSIDE ST.</span>	<b>Contract No:</b> <span style="font-size: 1.2em; font-family: cursive;">C.I.P.</span>	<b>Date:</b> <span style="font-size: 1.2em; font-family: cursive;">AUGUST 28, 2001</span>
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Has work been staked out? Yes  No

<b>Facility/Work Involved</b>					
Excavation <input type="checkbox"/>	Pavements <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>	Other <input checked="" type="checkbox"/> <span style="font-size: 1.2em; font-family: cursive;">SOIL SAMPLES</span>	
<u>Overhead Lines</u>	Utility <input type="checkbox"/>	Communications <input type="checkbox"/>	<u>Underground Lines</u>	Utility <input type="checkbox"/>	Communications <input type="checkbox"/>
<b>Method of Excavation</b>					
Hand <input checked="" type="checkbox"/>	Power Shovel <input type="checkbox"/>	Ditcher <input type="checkbox"/>	Auger <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	

**Scope of Work** (Depth, width, length, location & sketch as applicable, road closure, interruption of services, etc.)

PLEASE SEE ATTACHED LETTER AND MAP FROM C.I.P. CONSULTANT (S+ME) DATED AUGUST 28, 2001

Excavator(s) must establish locations and depths of utilities in work area prior to digging, locations of utilities, as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

<b>Date Permit Required</b> <span style="font-size: 1.2em; font-family: cursive;">ASAP</span>	<b>Termination Date of Permit</b> <span style="font-size: 1.2em; font-family: cursive;">1 OCT 01</span>
<b>Signature (Requesting Official)</b> <span style="font-size: 1.2em; font-family: cursive;">[Signature]</span>	<b>Date</b> <span style="font-size: 1.2em; font-family: cursive;">8/28/01</span>
	<b>Phone Number</b> <span style="font-size: 1.2em; font-family: cursive;">747-0010</span>

<b>Clearance Review/Routing (CSO Use Only)</b>	<b>CSO Log in Number/Date</b> <span style="font-size: 1.2em; font-family: cursive;">023   9/6/01</span>
--	--

Points of Contact	Environmental	
	Remarks/Action	Signature and Date
Water	South Div Code 02	
Robert Sagaser - CPW 529-0653	<del>South Div Code 02</del> <span style="font-size: 1.2em; font-family: cursive;">CH2M Hill/A. J. [Signature]</span>	<span style="font-size: 1.2em; font-family: cursive;">[Signature] 9/6/01</span>
Sewer	CSO Environmental Compliance	
Robert Judy - NCSD 764-3072	SWMU # <input checked="" type="checkbox"/> AOC # <input checked="" type="checkbox"/> Tank # <input checked="" type="checkbox"/>	<span style="font-size: 1.2em; font-family: cursive;">Amy Daniel 9/6/01</span>
Electricity	BRAC Environmental Coordinator (BEC)	
R. W. Smith - SCE&G 745-6381		<span style="font-size: 1.2em; font-family: cursive;">M. A. [Signature] 9/6/01</span>
<b>Caretaker Site Office</b> Permit Approved? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <span style="font-size: 1.2em; font-family: cursive;">Thomas F. Froulli 7 Sept. 2001</span> CSO Utility Manager <span style="float: right;">(Signature and Date)</span>		

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 023  
Request Date = 28 August 2001  
Comments Date = 6 September 2001  
Location = Bldg. 193 Parking Lot Area

### Environmental Review Comments

This project proposes the following: (a) to perform geotechnical investigation

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If a worker feels during any excavation that there is suspect soil or an unusual odor, work shall be stopped immediately and the Caretaker Office shall be notified.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil is not able to be reused and needs to be disposed, the soil may be disposed of in the DMA Stockpile as long as there is no visible contamination or odor present. The CSO shall be notified if excess soil needs to be placed in the stockpile area. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.



**DEPARTMENT OF THE NAVY**

SOUTHERN DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

P.O. BOX 180010

2155 EAGLE DRIVE

NORTH CHARLESTON, S.C. 29419-9010

5090  
Ser CSO/050  
6 September 2001

Mr. Sean McDonell  
Charleston Naval Complex Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405-2005

Dear Mr. McDonell:

**SUBJECT: S&ME REQUEST TO PERFORM GEOTECHNICAL  
INVESTIGATION IN THE BLDG. 193 PARKING LOT VICINITY**

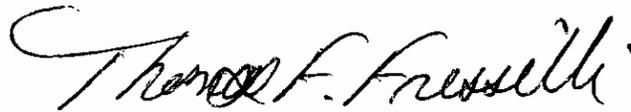
Your letter of 28 August 2001 forwarded a request from S&ME to perform geotechnical investigation for the Charleston International Ports in the parking lot behind Bldg. 193 for our consideration and approval.

The Navy has identified that in this area a release of hazardous substances has occurred, but at concentrations that do not require removal or remedial action. It is recommended that S&ME personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If a worker feels during excavation that there is suspect soil or an unusual odor, work shall be stopped immediately and the Caretaker Office shall be notified.

The enclosed digging permit is approved as long as the geotechnical investigation does not go across the fenceline beside Bldg. 193. If the investigations require S&ME to cross the fenceline, S&ME must get prior permission from the CSO because they will be crossing over into a contaminated area. Please note our comments attached to the digging permit. Any soil excavated during this project should be stored on site and returned to the excavation after work is done. No soil can leave the base without environmental testing. If excess soil is not able to be reused and needs to be disposed of, please contact our office for disposal instructions.

If you have any questions or comments, please contact Rick Nielson or Amy Daniell at 743-9985.

Sincerely,

A handwritten signature in black ink that reads "Tom F. Fressilli". The signature is written in a cursive style with a large initial "T" and a prominent "F".

Tom Fressilli  
Caretaker Site Officer  
By the direction of the Commander

Enclosure: Digging Permit #023 with comments

James C. Bryan  
Chairman

Lonnie Hamilton, III  
Vice Chairman

Ronnie M. Givens  
Secretary/Treasurer

James M. Deaton  
Assistant Secretary/Treasurer



Susan K. Dunn

James S. Minor, Jr.

Eugene R. Ott

Jack C. Spratt  
Executive Director

August 28, 2001

Mr. Tom Fressilli  
Charleston Caretaker Site Officer  
Southern Division, Naval Facilities Engineering Command  
P. O. Box 190010  
North Charleston, SC 29419-9010

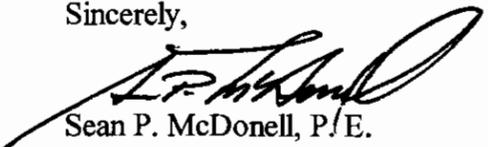
Subject: **S & ME REQUEST TO PERFORM GEOTECHNICAL INVESTIGATION  
IN THE BUILDING 193 PARKING LOT VICINITY**

Dear Tom:

We received the attached request from S & ME this afternoon to perform a geotechnical investigation for Charleston International Ports (C. I. P.) in the parking lot behind Building 193 and on the other side of Pierside Street (see attached map). This work is being done check the feasibility of placing a silo on this site in the future. We have attached a digging permit request with this information.

You will note that S & ME would like to begin Thursday (8/30/01) afternoon, but since they waited until this afternoon to fax their plan to us, they may have to delay to allow for proper review of their request. Thank you in advance for your review of this information. Please contact me with any questions you have regarding this information.

Sincerely,

  
Sean P. McDonell, P.E.  
Operations Director

/enclosures



August 28, 2001

Sean McDonell  
Redevelopment Authority  
1360 Truxton Avenue, Suite 300  
North Charleston, SC 29405

Reference: **GEOTECHNICAL EXPLORATION OF  
PROPOSED CEMENT STORAGE FACILITY**  
Charleston Naval Base  
S&ME Job No. 1131-01-579

Dear Mr. McDonell:

We (S&ME) have been tasked to conduct a geotechnical exploration on the Charleston Navy Base. The site is located in the vicinity of the parking lot for Building 193 between Hobson Avenue and Pierside Street (see attached drawing).

We plan to perform our geotechnical exploration using up to 2 standard soil test borings (SPT) and up to 4 cone penetration soundings (CPT). In the cone penetration sounding an electronically instrumented device is pushed into the ground, taking measurements using load cells and pressure transducers. In this test, no soil samples are removed from the hole. In the soil test borings, however, the borehole is drilled and soil samples are taken incrementally as the hole advances. The samples are taken back to our lab so soil property tests can be performed.

We understand that utilities will be cleared on the site Thursday morning (8/30/01) and we would like to begin that same day. If you have any questions, please contact me at (843) 884-0005.

Sincerely,

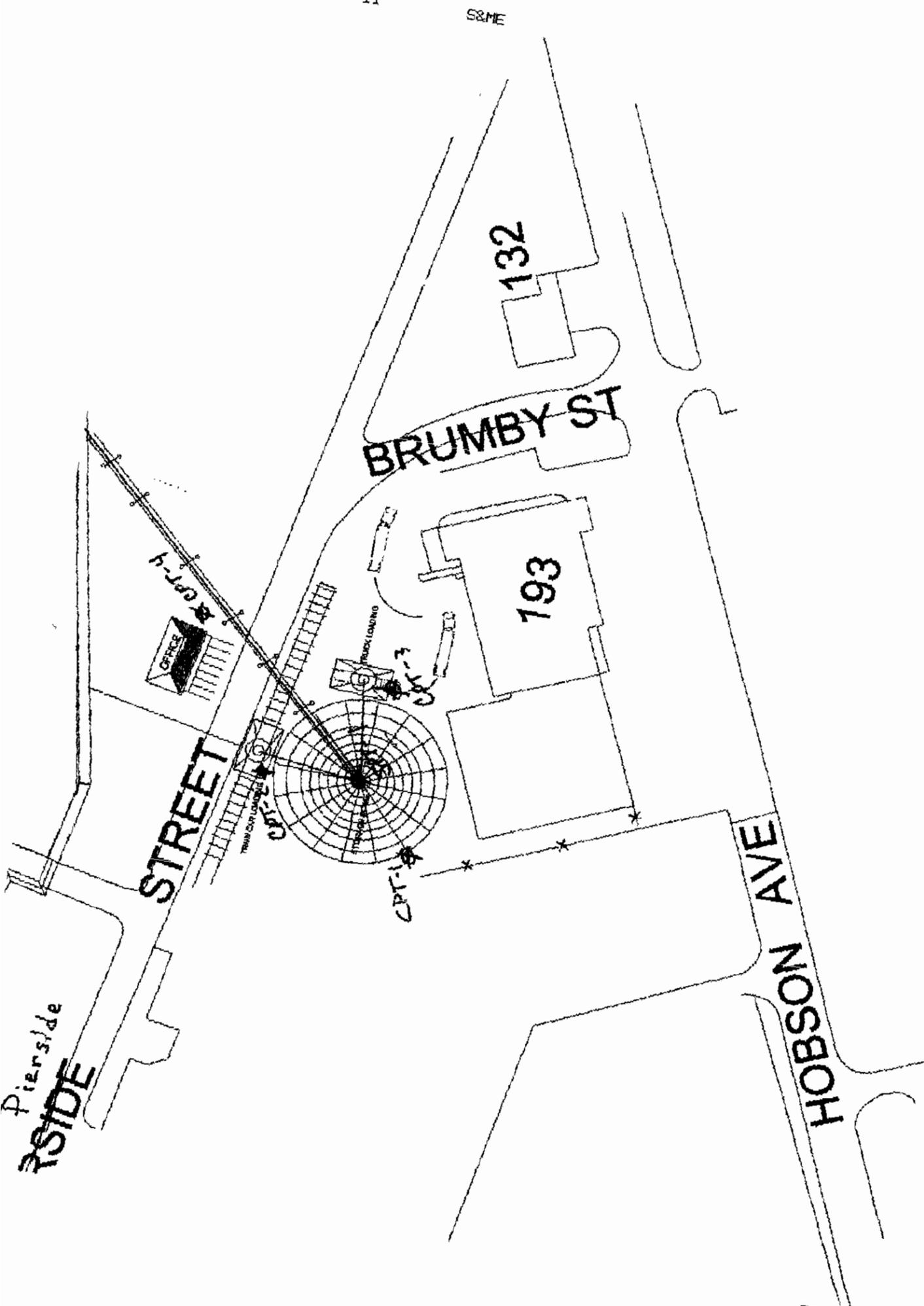
**S&ME, Inc.**

Ethan Cargill, E.I.T.  
Project Professional

PEC/jfc

S&ME, Inc.  
840 Low Country Boulevard  
Mt. Pleasant, South Carolina 29464

(843) 884-0005  
(843) 881-6149 fax  
[www.smeinc.com](http://www.smeinc.com)



# Charleston Caretaker Site Office Excavation Permit

Requester: Fill Out Upper Half, Date & Sign

**Clearance is requested to proceed with work as follows:**

Location: <i>Ave D</i>	Contract No: <i>S.C.E &amp; G</i>	Date: <i>8-22-01</i>
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Has work been staked out? <b>Yes</b> <input type="checkbox"/> <b>No</b> <input checked="" type="checkbox"/>		<b>Facility/Work Involved</b>			
Excavation <input type="checkbox"/>	Pavements <input type="checkbox"/>	Drainage Ditches <input type="checkbox"/>	Railroad Tracks <input type="checkbox"/>	Other <input type="checkbox"/>	
<b>Overhead Lines</b>		<b>Underground Lines</b>			
Utility <input type="checkbox"/>		Utility <input checked="" type="checkbox"/>		Communications <input type="checkbox"/>	
<b>Method of Excavation</b>					
Hand <input type="checkbox"/>	Power Shovel <input checked="" type="checkbox"/>	Ditcher <input type="checkbox"/>	Auger <input type="checkbox"/>	Other <input type="checkbox"/>	

**Scope of Work** (Depth, width, length, location & sketch as applicable, road closure, interruption of services, etc.)

*See Sketch*

- \* (1) SEE COMMENTS ATTACHED FROM CH2M-HILL, LLC*
- (2) SEE COMMENTS ATTACHED FROM CSO ENV. Compliance*
- (3) SEE COMMENTS ATTACHED FROM BEC*

Excavator(s) must establish locations and depths of utilities in work area prior to digging, locations of utilities, as shown on drawing(s), are approximate and must be field verified by hand digging, cable/pipe locators or other approved methods.

Date Permit Required <i>8-29-01</i>	Termination Date of Permit <i>10-29-01</i>
Signature (Requesting Official) <i>Richard W. Smith</i>	Date <i>8-22-01</i>
	Phone Number <i>74 5-6381</i>

**Clearance Review/Routing (CSO Use Only)**

CSO Log In Number/Date  
*022 / 6 Sept. 01*

Points of Contact	Remarks/Action	Environmental Signature and Date
Water	<i>South St. Code 92</i>	
Robin Harris - CPW 529-0653	<i>CH2M Hill / J.A. Jones</i>	<i>M.A. Hat 9/6/01</i>
Sewer	<i>CSO Environmental Compliance</i>	<i>Amy Danell 9/6/01</i>
Robert Judy - NCSD 764-3072	<i>BRAC Environmental Coordinator (BEC) See attached comments</i>	<i>M.A. Hat 9/6/01</i>
Electricity		
R. W. Smith - SCE&G 745-6013		

Caretaker Site Office

Permit Approved?  YES  NO

*Thomas Freiville 9/7/2001*  
CSO Utility Manager (Signature and Date)



## CH2M-JONES, LLC

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September 6, 2001

To: Charleston Caretaker Site Office (CSO)  
From: CH2M-JONES, LLC

Subject: DIG PERMIT FOR SCE&G NEAR BLDGS. 30 AND 25, CSO LOG NUMBER  
022

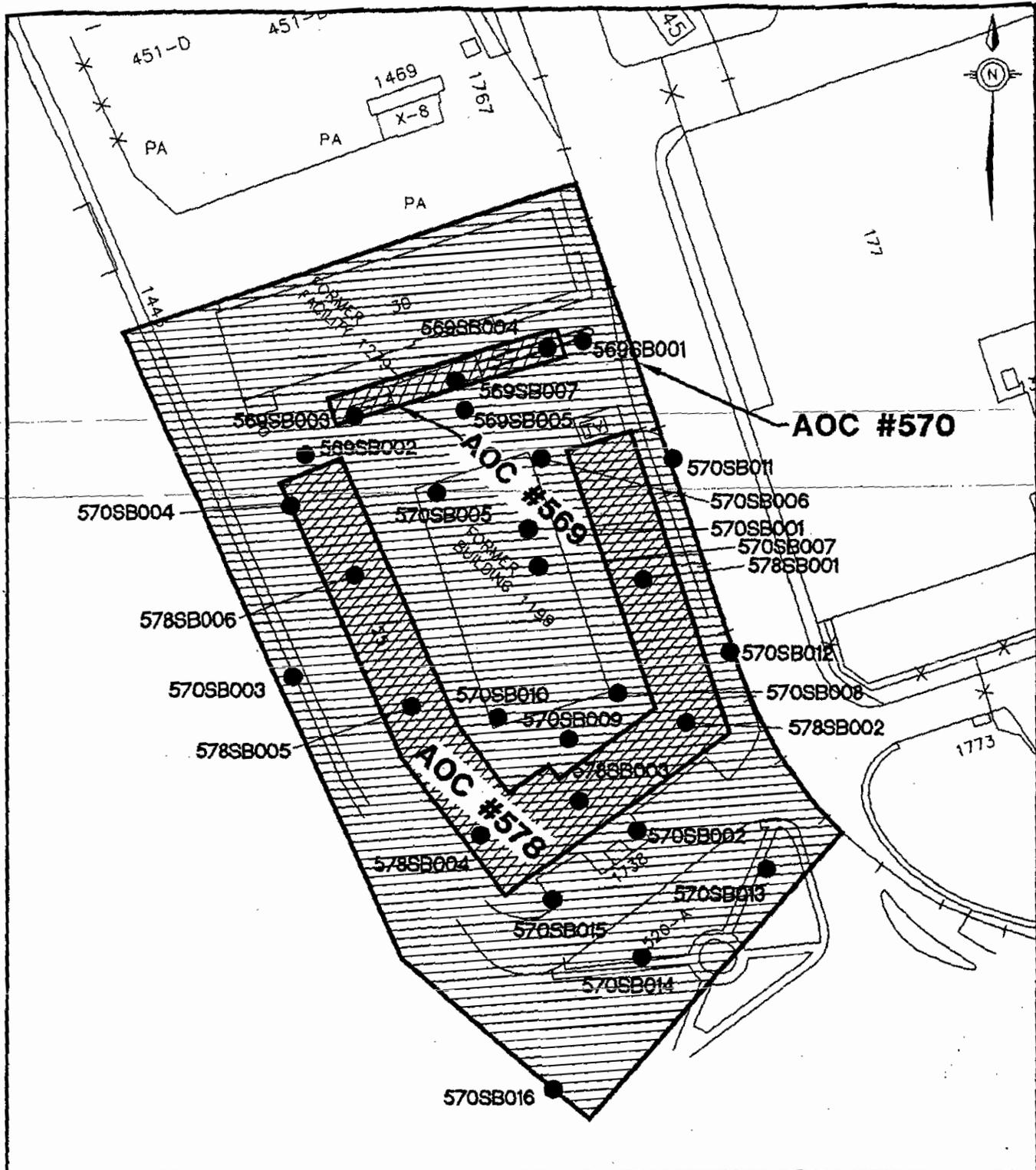
CH2M-JONES, LLC, in cooperation with the Navy has reviewed the attached Dig Permit, CSO log number 22, and identified that the proposed work area between Buildings 25 and 30 is within and/or near Area of Concern (AOC 569). AOC 569 was a former gas station and oil storehouse that was subsequently abandoned. Materials of concern identified in the Final Zone E RCRA Facility Investigation Work Plan include: heavy metals and petroleum hydrocarbons. Please see attached sheets. Additional material detailing past investigations can be found in the Draft Zone E RCRA Facility Investigation Report dated November 1997.

CH2M-JONES, LLC has not performed any remedial actions at AOC 569 nor are there any remedial actions currently scheduled.

Respectfully,  
CH2M-JONES, LLC



Jed Heames  
Site Superintendent



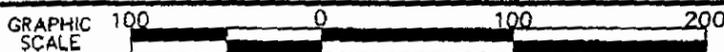
**LEGEND**

- - SOIL BORINGS
- ⊙ - CORE SAMPLES
- ⊖ - DEEP MONITORING WELLS
- ⊕ - SHALLOW MONITORING WELLS
- ▲ - SEDIMENT SAMPLES
- ⊕ - THICKNESS SAMPLES
- ⊖ - WIPE SAMPLES
- ⊙ - SURFACE WATER SAMPLES



ZONE E  
RFI REPORT  
NAVAL BASE CHARLESTON  
CHARLESTON, S.C.

FIGURE 10.34.1  
SOIL BORING LOCATIONS  
AOC #569, OIL & GAS SERVICE STA.  
AOC #570, COAL STORAGE AREA  
AOC #578, TRANS. SHOP & GARAGE



DWG DATE: 09/02/97 DWG NAME: 10-34-1

**10.34 AOC 569, Gas Station and Oil Storage, Former Building 1279; AOC 570, Former Coal Storage Area; and AOC 578, Transportation Shop and Garage, Building 25**

AOC 569 is a former gas station and oil storehouse once in Building 1279. The gas station was constructed in 1944 and had two pumps and two 2,500-gallon USTs. In 1986, an additional 3,000-gallon UST was installed. This site was demolished and the three tanks were removed in 1992. Demolition activities consisted of pump and tank removal, filling vent lines, soil excavation, soil sampling, and resurfacing the area with asphalt. AOC 570 was a coal storage area which extended from Building 30 to Sixth Avenue and from Carolina Avenue to Hobson Avenue. This area was operated from 1919 to 1941, at which time coal was replaced by steam-power. AOC 578 consists of a transportation shop and garage in Building 25. Built in 1940, this structure was originally used as an automobile garage and more recently was used as a transportation and appliance maintenance shop. Building 25 includes the following facilities: an air conditioning repair shop, a sheet metal shop, two electric shops, a paint shop, a sign shop, a carpenter's shop, a paper-shredding area, a restroom, an electrical maintenance area, a tool room, a maintenance shop with personnel lockers, and an emergency supply storage area.

AOCs 570 and 578 have not been investigated previously. However, soil samples collected at AOC 569 in 1992 showed headspace-Organic Vapor Analysis (OVA) readings greater than 1,000 ppm and analytical samples in 1993 showed benzene, toluene, ethylbenzene, and xylene (BTEX) concentrations as high as 1,000 ppm. These samples were collected from the area where the USTs were once located.

Materials of concern identified in the *Final Zone E RFI Work Plan* include: at AOC 569, heavy metals and petroleum hydrocarbons; at AOC 570, coal and coal by-products; and at AOC 578, acids, paints, solvents, antifreeze, and petroleum hydrocarbons. Potential receptors that may be exposed to site contaminants include current and future building users and any site workers this area may support following base closure.

**Soil — Residential Scenario**

Arsenic was detected in combined AOC 569 surface soil at concentrations above its residential RGO in all 27 samples, however, only one surface soil sample reported an arsenic concentration above its RC. BEQs were reported at concentrations above their residential RGO in 18 of 27 surface soil samples. Residential risk estimates associated with BEQs ranged from 1E-07 to 6E-05, the upper end of which is above the 1E-06 SCDHEC risk level of concern and is within USEPA's 1E-06 to 1E-04 acceptable risk range.

**Soil — Site Worker Scenario**

Arsenic was detected in combined AOC 569 surface soil at concentrations above its industrial RGO in 20 of 27 samples, however, only one surface soil sample reported an arsenic concentration above its RC. BEQs were reported at concentrations above their industrial RGO in 9 of 27 surface soil samples. Industrial risk estimates associated with BEQs ranged from 2E-08 to 1E-05, the upper end of which is above the 1E-06 SCDHEC risk level of concern and is within USEPA's 1E-06 to 1E-04 acceptable risk range.

**Groundwater — Residential Scenario**

Aluminum, arsenic, beryllium, chloroform, chromium, lead, tetrachloroethene, thallium, trichloroethene, and vanadium were detected in shallow groundwater at a concentration above their RGOs based on first quarter groundwater samples. Reported concentrations of chromium and vanadium in subsequent quarterly samples did not exceed their corresponding RGOs. Reported concentrations of arsenic in subsequent quarterly samples did not exceed its background RC. Arsenic and beryllium were not reported at concentrations above their respective MCLs through four quarters of sampling.

## CHARLESTON CARETAKER SITE OFFICE EXCAVATION PERMIT

CSO Log Number = 022

Request Date = 22 August 2001

Comments Date = 6 September 2001

Location = Avenue D Between Bldgs. 451-B & 420 and Between Bldgs. 30 & 25

### Environmental Review Comments

This project proposes the following: (a) to install utility lines

The Navy has identified that in this area a release of hazardous substances has occurred, and required actions have not yet been implemented. It is recommended that contractor personnel ensure necessary precautions are taken to minimize dermal exposure to any workers who may come in contact with the soil. If a worker feels during any excavation that there is suspect soil or an unusual odor, work shall be stopped immediately and the Caretaker Office shall be notified.

No soil shall leave the base without permission. Any soil excavated during the project should be stored on site and returned to the excavation after the work is done. Sidewalk and pavement debris shall be disposed of as construction waste.

If excess soil is not able to be reused and needs to be disposed, the soil may be disposed of in CIA Stockpile as long as there is no visible contamination or odor present. The CSO Office shall be notified 24 hours in advance if soil will need to be stockpiled. If you have any questions, please contact Amy Daniell or Rick Nielson at 743-9985.

## BEC EXCAVATION PERMIT REVIEW

CSO Log Number – 022

Location – Avenue D between Bldgs 451-B & 420 and Between Bldgs 30 & 25

### Comments

This project has the potential to intercept a hazardous waste site identified on the Navy's RCRA Part B permit. SCDHEC will be notified that the excavation is occurring. The permittee must be notified that any soil that is excess and contaminated must be disposed of through coordination with CH2M/Jones remediation schedule or dispose of the material at their own cost. Disposal of such material requires coordination with the CSO.

**Daniell, Amy (Efdsouth)**

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**From:** Daniell, Amy (Efdsouth)  
**Sent:** Friday, September 07, 2001 9:22 AM  
**To:** 'scaturdm@dhec.state.sc.us'  
**Cc:** Hunt, Tony (Efdsouth)  
**Subject:** SCE&G to install utility lines in the vicinity of AOC 569

This e-mail's purpose is to provide you with notification that SCE&G will be installing utility lines in the area of AOC 569. We have notified SCE&G that they will be digging in an area of concern and the contaminants they may encounter and to take necessary precautions to minimize dermal exposure to their workers. They are also to stop work immediately if there is suspect soil or an unusual odor. Please contact our office if you have any questions or concerns.