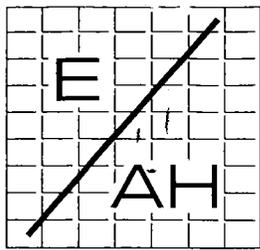


N61165.AR.002895  
CNC CHARLESTON  
5090.3a

LETTER TRANSMITTING LOCATIONS OF DIRECT PUSH TECHNOLOGY (DPT) SAMPLE  
LOCATIONS AND PROFILE OF TYPICAL DPT HOLE ZONE K CNC CHARLESTON SC  
8/13/1997  
ENSAFE/ ALLEN AND HOSHALL



# EnSafe / Allen & Hoshall

a joint venture for professional services

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Fax (214) 791-0405

August 13, 1997

Mr. Rit Ritter  
South Carolina Department of Transportation  
6355 Fain Boulevard  
North Charleston, SC 29203

Re: Locations of DPT Sample Locations and Profile of Typical DPT Hole  
Naval Base Charleston, Zone K RFI (CTO-2911)

Dear Mr. Ritter:

Following our telephone conversation today, I have prepared a profile of a typical direct push technology (DPT) sample location and modified a sample location map to reflect sample locations not associated with the Interstate 26 right of way in North Charleston, SC. Both items are attached with this letter.

The map identifies locations in the vicinity of Woodbine Avenue, Boland Circle, Remount Road, and Rivers Avenue. These locations are the subject of an additional groundwater sampling activity to be conducted for the Naval Base Charleston RFI as soon as permission is granted from SCDOT. Each location is to be within the right-of-way of the street where the sample point is located. The actual sample locations will be through the asphalt of the street or in the grass adjacent to the street but still within the right-of-way. A subcontracted utility locator will be responsible for clearing each location prior to probing.

The profile of a typical DPT location identifies the width of the probe rods (1 inch O.D.), and the anticipated depths of sample collection (8-10 feet, 20-22 feet, and 33-35 feet bgs). Each of the holes will be abandoned by filling the hole with bentonite after probe rod removal. A concrete plug will be prepared for the surface of each location that penetrates asphalt or concrete. No permanent structure (well) will be present after sampling is completed at each location. A standard van-size vehicle will be used to transport the sampling unit from location to location.

Please provide EnSafe with information pertaining to the width of the city street right-of-ways; or, to be assured that sampling is being conducted within the street right-of-way, each sample location can be through the actual road surface.

Mr. Rit Ritter  
August 13, 1997  
Page 2

If you have any questions about the above-referenced sampling activity, please call me at (615) 399-8800. If permission to perform this sampling activity is granted by the SCDOT, EnSafe intends to begin the sampling activity on the 18<sup>th</sup> of August.

Sincerely,  
EnSafe Inc.

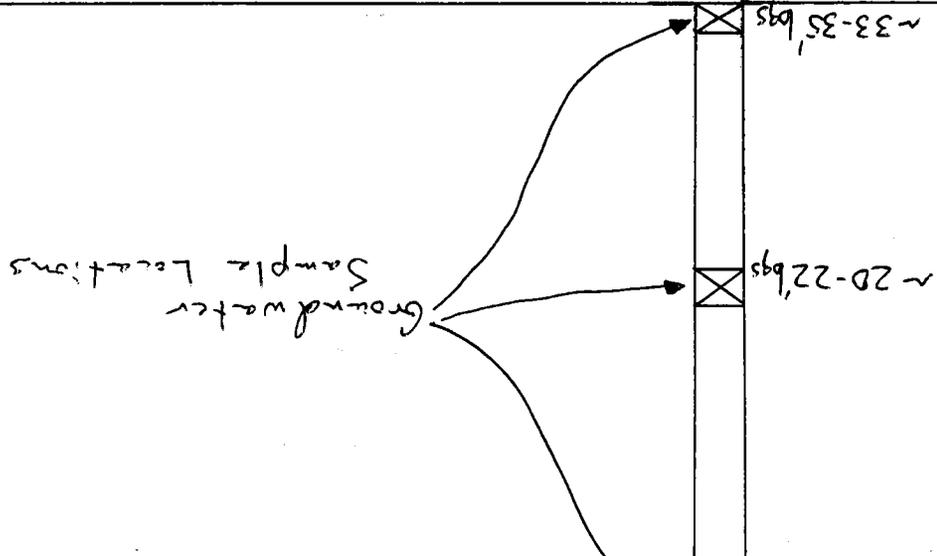
A handwritten signature in black ink, appearing to read "Britton Dotson". The signature is fluid and cursive, with a large initial "B" and "D".

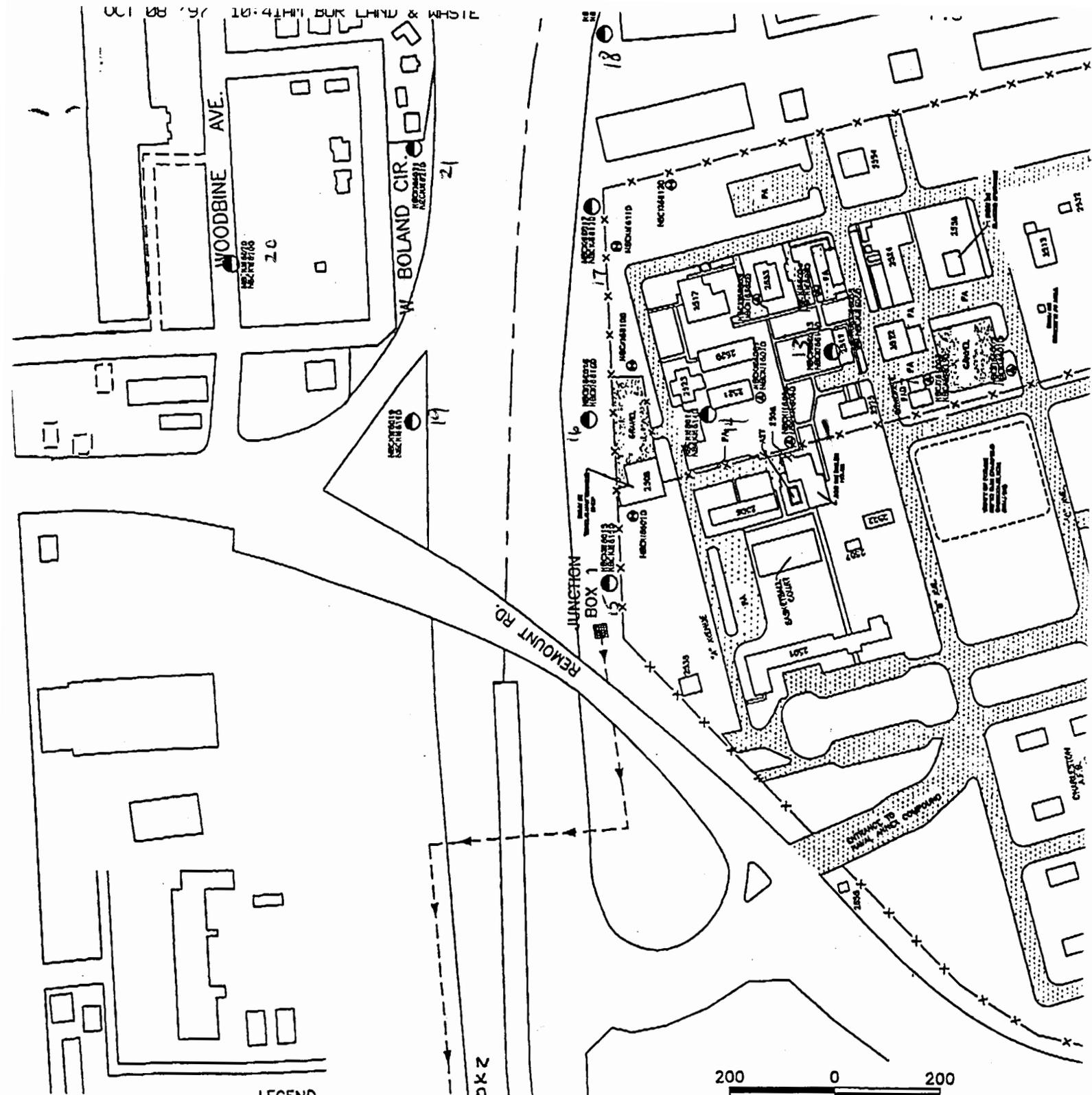
By: Britton Dotson  
Zone K Site Manager

Attachment

cc: M.A. Hunt, SOUTHDIV  
Lawson Anderson, EnSafe Inc.  
Todd Haverkost, EnSafe Inc.  
Project file (CTO 2911)

Ashley Formation (Marl) ~ 35' below ground surface (bgs)



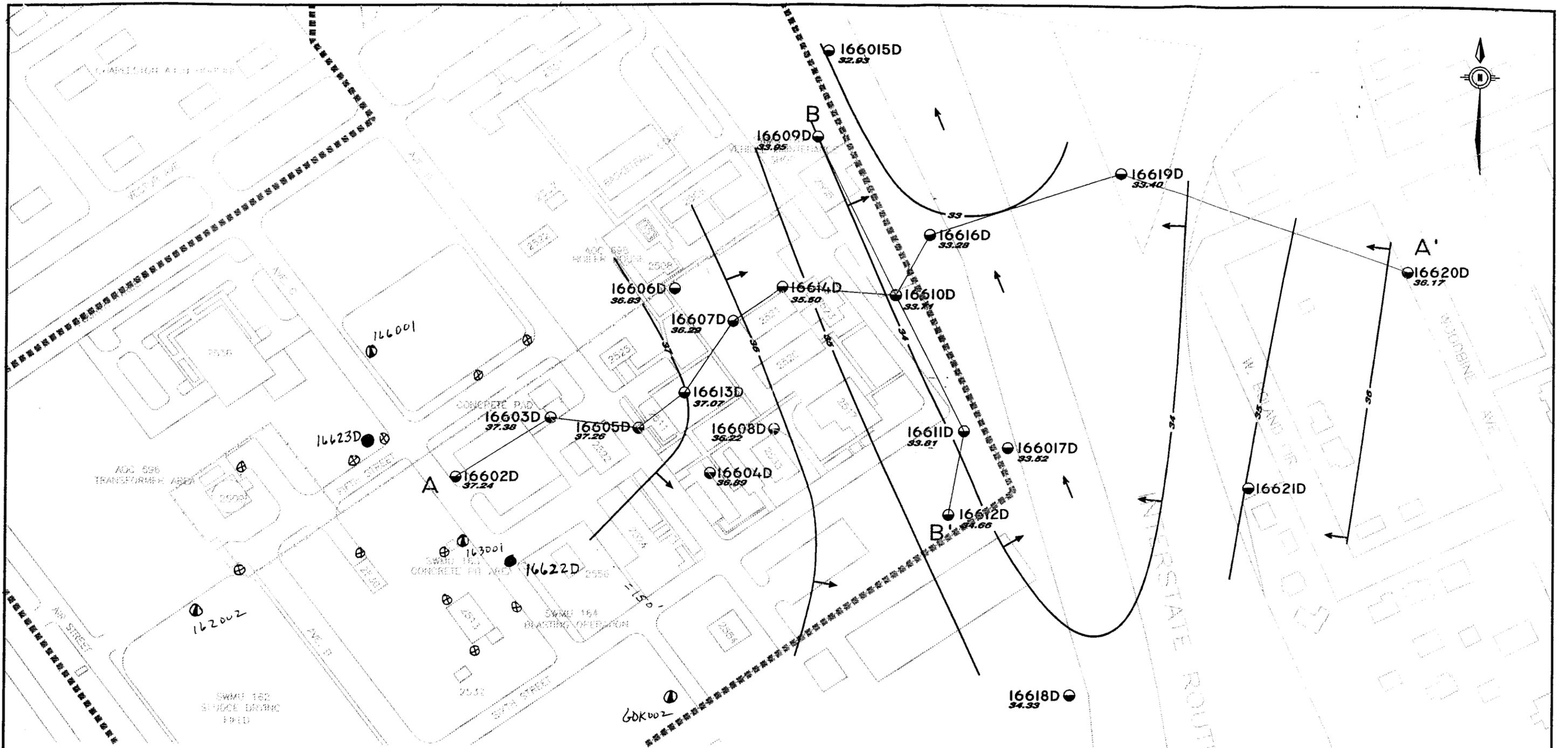


- LEGEND**
- - - COVERED FLOW ROUTE FROM JUNCTION BOX 1
  - EXPOSED FLOW ROUTE FROM JUNCTION BOX 1
  - DEEP MONITORING WELL
  - SHALLOW/DEEP MONITORING WELL PAIR
  - PROPOSED SHALLOW/DEEP MONITORING WELL/PIEZOMETER PAIR



ZONE K  
 DRAFT RFI REPORT  
 NAVAL BASE CHARLESTON  
 CHARLESTON, SOUTH CAROLINA

NAVAL ANNEX AND VICINITY MAP  
 SWMU 166 MONITORING WELL LOCATIONS AND  
 PROPOSED LOCATIONS FOR MONITORING WELLS/PIEZOMETERS



**LEGEND:**

- 16602D ● DEEP MONITORING WELL W/ I.D. NUMBER
- 37.24 GROUNDWATER ELEVATION
- NAVAL ANNEX BOUNDARY
- GROUNDWATER FLOW DIRECTION

● Proposed Deep Wells (16622D and 16623D)  
**COMPOSITE SITE PLAN**  
 NOT TO SCALE  
 ALL SAMPLE LOCATIONS ARE APPROXIMATE

- ⊕ DPT Sample Locations 1" = 150'  
Associated with Sewer System Sampling
- Shallow Monitoring Well

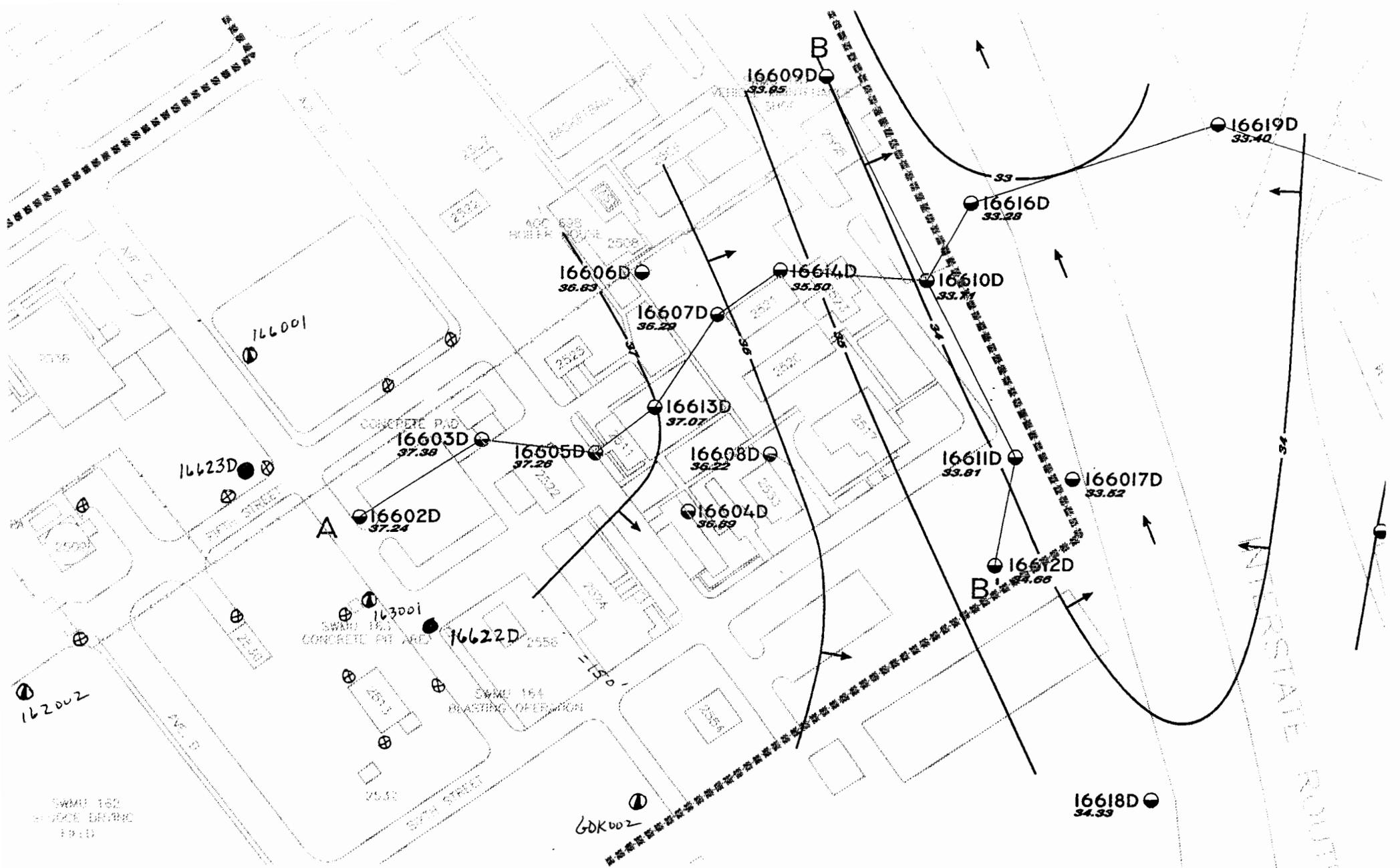
*no PCE, TCE or DCE was detected in any of these samples.*

ZONE K  
RFI REPORT  
NAVAL BASE CHARLESTON  
CHARLESTON, S.C.

*Figure 2.9*

**DEEP (20-30' BGS) POTENTIOMETRIC  
CONTOURS 3/6/98**

Dr by: EROGERS      Tr by: 2911N011



# COMPOSITE SITE PLAN

NOT TO SCALE

ALL SAMPLE LOCATIONS ARE APPROXIMATE

**D:**

① 162001

● Proposed Deep Walls (16622D and 16623D)

*Shallow*

⊕ DPT Sample Locations 1" = 150'

ONITORING WELL W/ I.D. NUMBER

OWATER ELEVATION

NNEX BOUNDARY

TER FLOW DIRECTION

no PCE, / ⊕

marked with same color & symbol

