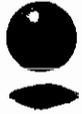


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MONITORING WELL REQUEST FOR GRID WELL 11 ZONE I CNC CHARLESTON SC  
1/25/2002  
CH2MHILL



**CH2MHILL**  
Constructors, Inc.

**CH2M HILL**  
115 Perimeter Center Place NE  
Suite 700  
Atlanta, GA  
30346-1278  
Tel 770.604.9095  
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January 25, 2002

158814.ZI.PR.00

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 Installation of Groundwater Monitor Wells Grid Well 11 Area, Zone I  
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 installation of three groundwater monitor wells in the vicinity of Zone I Grid Well 11.

The purpose of these new shallow wells is to better define the nature of groundwater in the vicinity of Zone I Grid Well 11. Well installation will be performed in accordance with the South Carolina Well Standards and Regulations (R.61-71).

The attached figure presents the location of the proposed monitoring wells. Table 1 presents the required detailed information for monitoring well installation approval.

CH2M-Jones has scheduled to complete this work in Early February 2002. If you have any questions, comments, or require additional information please do not hesitate to contact us.

Sincerely,

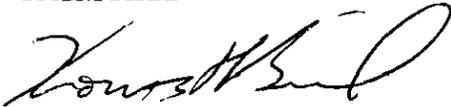
Mr. Paul Bergstrand, P.G.

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January 25, 2002

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CH2M HILL



Tom Beisel, P.G.

Project Geologist

(770) 604-9182 ext 367

enclosures

cc:

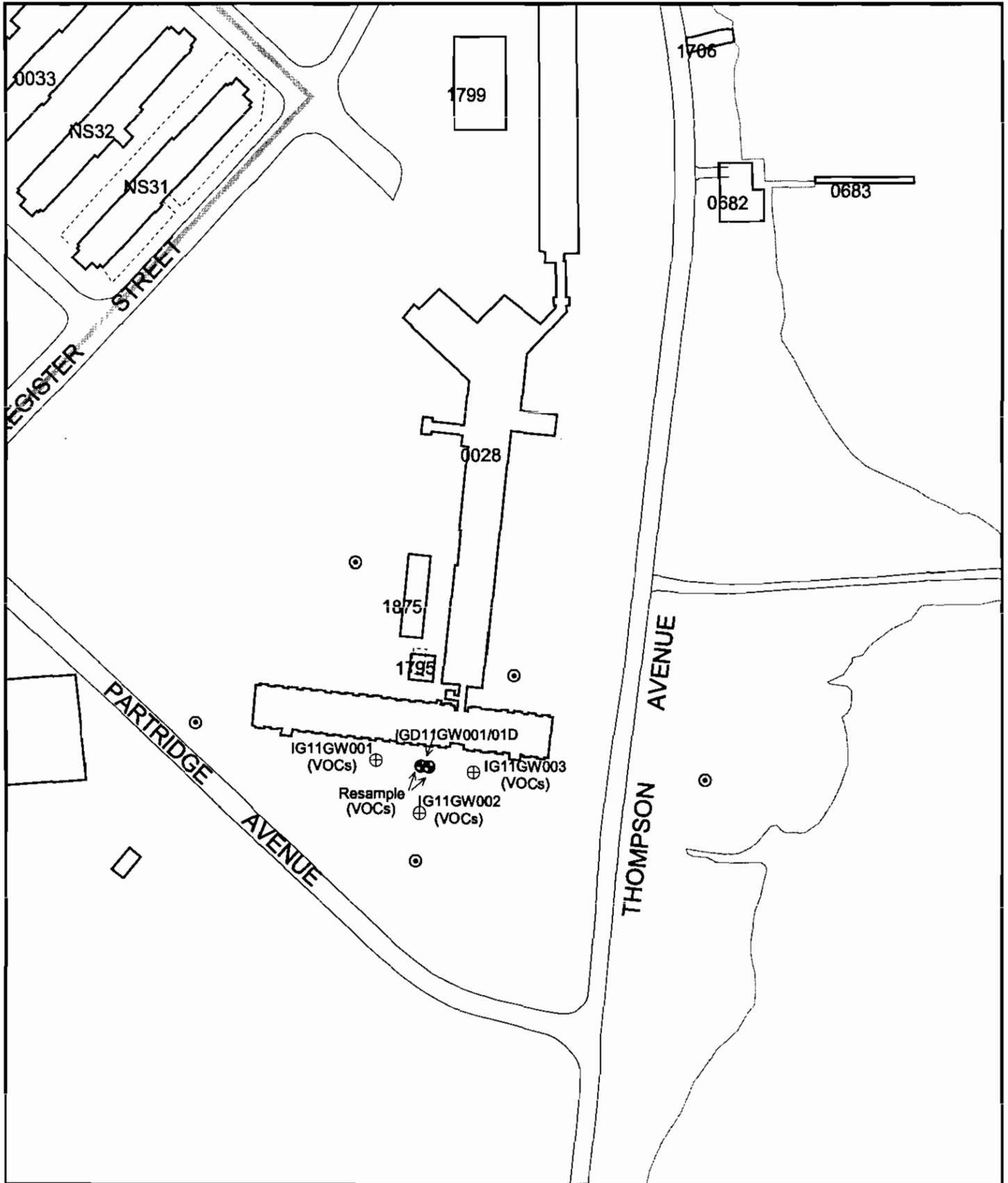
Tony Hunt, P.E./SOUTHDIV

Rob Harrell/SOUTHDIV

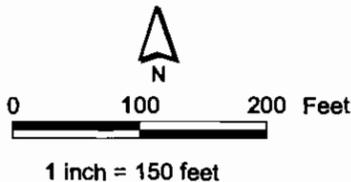
Dean Williamson, P.E./CH2M HILL/GNV

**TABLE 1**  
**Monitoring Well Installation Information Summary**  
*Grid Well II1, Zone I, 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
IG11GW001	2-inch (inner)	Hollow Stem Auger	5 to 15	10-feet	0.01	15	Schedule 40 PVC	VOC/SVOC	Low Flow Pump with surge block	Portland Type II with 5% Bentonite	flush-mount	Groundwater monitoring	
IG11GW002	2-inch (inner)	Hollow Stem Auger	5 to 15	10-feet	0.01	15	Schedule 40 PVC	VOC/SVOC	Low Flow Pump with surge block	Portland Type II with 5% Bentonite	flush-mount	Groundwater monitoring	
IG11GW003	2-inch (inner)	Hollow Stem Auger	5 to 15	10-feet	0.01	15	Schedule 40 PVC	VOC/SVOC	Low Flow Pump with surge block	Portland Type II with 5% Bentonite	flush-mount	Groundwater monitoring	



- ⊕ Proposed Groundwater Monitoring Well
- ⊙ GeoProbe
- ⊗ Groundwater Sample
- - - Fence
- ≡ Roads
- ~ Shoreline
- ▭ AOC Boundary
- ▭ SWMU Boundary
- ▭ Buildings
- - - Zone Boundary



**Figure 3-2**  
 Proposed Groundwater Sampling Locations  
 Zone I  
 Charleston Naval Complex

**CH2MHILL**