

TRANSMITTAL

Date: 30 October 2002

From: Lynn Marie Hornecker 

**To: John Broderick
California Regional Water Quality Control Board
Santa Ana Region
3737 Main Street, Suite 500
Riverside, California 92501-3339**

Subj: Oil/Water Separator (OWS) Sites 658C and 658D
Former Marine Corps Air Station, El Toro

We received the RWQCB letter pertaining to OWS Sites 658C and 658D in August 2002. In response to the RWQCB letter of 2 August 2002, we are transmitting a scaled site map that shows the oil/water separator units, the sewer pipeline, and the boring locations with copies of the soil boring logs. We are also including a copy of the RWQCB letter dated 2 August 2002 with this transmittal.

Please do not hesitate to call me at (619) 532-0783 if you have questions pertaining to OWS Sites 658C and 658D.

Attachments:

Information package - boring logs and site plan map (The IT Group, 28 October 2002)
RWQCB letter dated 2 August 2002

CF w/attachments:

Dean Gould (BRAC Environmental Coordinator, MCAS El Toro)
CSO/El Toro
Project File (MCAS El Toro)



OHM Remediation Services Corp.

3347 Michelson Drive, Suite 200

Irvine, CA 92612-1692

Tel. 949.261.6441

Fax. 949.474.8309

A Member of The IT Group

October 28, 2002

Contracting Officer
Naval Facilities Engineering Command
Southwest Division
Michelle Crook
1220 Pacific Highway
San Diego, California 92132-5187

Attn: Ms. Lynn Marie Hornecker

**Re: Transmittal Letter
Oil Water Separator (OWS) 658C and 658D
Boring logs and Site Plan Map
Marine Corps Air Station El Toro, California**

Following is attached with this cover letter.

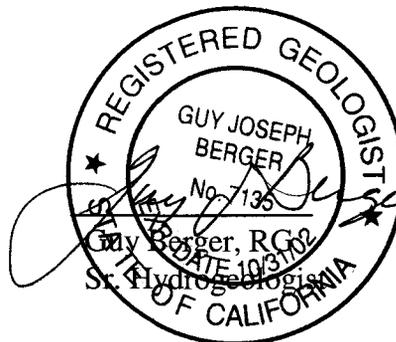
- Geologic Boring logs for Soil Boring (SB)-01 and SB-02 drilled at Oil Water Separator (OWS) 658C and 658D site.
- Figure 1, Site Plan, which presents the location of two soil borings in the vicinity of OWS 658C (SB-01) and 658D (SB-02).

Field verification activities at OWS 658 site, which included sampling of the product and drilling, soil sampling of two soil borings were conducted with oversight of geologist registered in the State of California.

These attachments are for your review and use. If there are any questions, please contact the undersigned.

Sincerely,

Dhananjay Rawal
Project Manager



Attachments: Geologic Soil Boring Logs
Figure 1, Site Plan

Geologic Log of Boring 658D/SB-01

Project MCAS EI Toro	Northing 2192736.7	Drilling Company BC2 Environmental Corp.	
Project Number 20242	Easting 6115030.4	Drill Rig LAR	Begin Drilling 9/16/98
Client SWDIV	TOC Elevation 402.98	Driller Ramon	End Drilling 9/16/98
Location Site 658	GS Elevation	Drill Method HSA	Well Completion Date
Geologist A. SIDDIQUI	DIAGRAM NOT TO SCALE		N/A

Borehole Diameter 7 INCHES	Total Depth of Borehole 41.5 FEET	Depth to Water N/A
-----------------------------------	--	---------------------------

DESCRIPTION	Depth (feet)	Soil Group	Graphic Log	Samples	PID/FID (ppm)	Blows/6 in.	Recovery (inches)	WELL DETAIL
Surface material: Grass and topsoil.	0	SP						Cement/Bentonite Grout
Hand augered top 10 feet for utility clearance.	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
Poorly Graded Sand (SP): Dark yellowish brown (10YR 4/6); 95% fine to medium grained sand, <5% low plastic fines, medium dense, slightly moist, no odor.	10	SP		X		10	6	
Sample No. 20242-517	11					11	6	
	12					20	6	
	13							
	14							
14 to 17 feet, encountered fine to coarse subrounded gravel.	15							
	16							
	17							
	18							
	19							
	20							

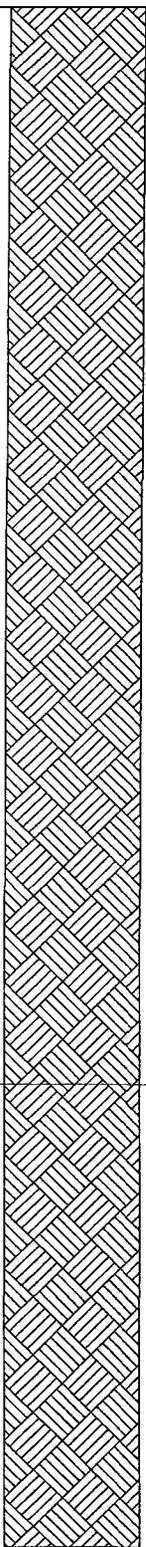
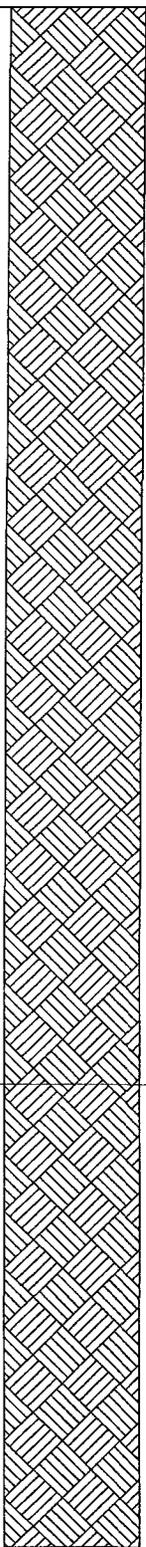
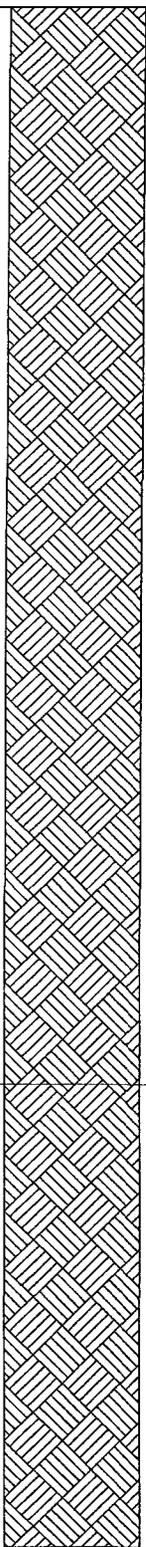
GEOI_WELL_20242658.GPJ_OHM.GDT_11/6/98

Geologic Log of Boring 658D/SB-01

Project **MCAS El Toro**

Project Number **20242**

Continued from previous page

DESCRIPTION	Depth (feet)	Soil Group	Graphic Log	Samples	PID/FID (ppm)	Blows/6 in.	Recovery (inches)	WELL DETAIL
<p>Poorly Graded Sand (SP): yellowish brown (10YR 5/4) 95% fine grained sand, <5% low plastic fines, dense to very dense, well sorted, slightly moist, no odor.</p> <p>Sample 20242-518</p>	20	SP				18	6	 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Cement/Bentonite Grout</p>
	21					24	6	
	21					30	6	
<p>Silty Sand (SM): Dark yellowish brown (10YR 4/4); 70% fine grained sand, 30% non-plastic fines, medium dense to dense, slightly moist, no odor.</p> <p>Sample No. 20242-520 (Duplicate) Sample No. 20242-519</p>	26	SM				11	6	 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Cement/Bentonite Grout</p>
	30					19	6	
	31					21	6	
<p>Silty Sand (SM): Dark yellowish brown (10YR 4/6) 75% fine grained sand, 25% non-plastic fines, dense, slightly moist, no odor.</p> <p>Sample No. 20242-521</p>	39	SM				18		 <p style="writing-mode: vertical-rl; transform: rotate(180deg);">Cement/Bentonite Grout</p>
	40					31		
	41					50		



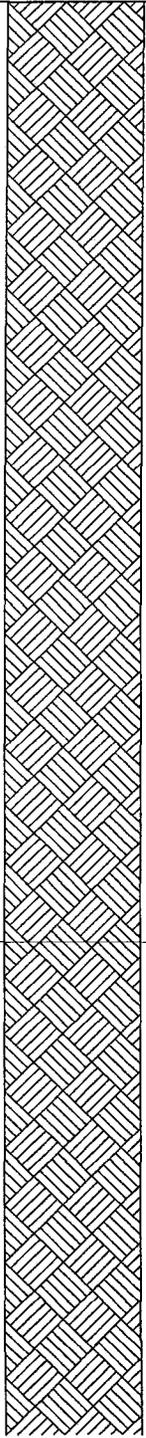
GEOLOG_WELL_20242658.GPJ OHM.GDT_11/6/98

Total Depth: 41.5 Feet Bgs.

Geologic Log of Boring 658D/SB-02

Project MCAS El Toro	Northing 2192721.87	Drilling Company BC2 Environmental Corp.	
Project Number 20242	Easting 6115005.29	Drill Rig LAR	Begin Drilling 9/16/98
Client SWDIV	TOC Elevation 403.53	Driller Ramon	End Drilling 9/16/98
Location Site 658	GS Elevation	Drill Method HSA	Well Completion Date
Geologist A. SIDDIQUI	DIAGRAM NOT TO SCALE		N/A

Borehole Diameter 7 INCHES	Total Depth of Borehole 31.5 FEET	Depth to Water N/A
-----------------------------------	--	---------------------------

DESCRIPTION	Depth (feet)	Soil Group	Graphic Log	Samples	PID/FID (ppm)	Blows/6 in.	Recovery (inches)	WELL DETAIL
Surface material: 8-inch asphalt pavement.	0							 Cement/Bentonite Grout
Hand augered top 10 feet for utility clearance.	1	SP						
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
Poorly Graded Sand (SP): Dark yellowish brown (10YR4/6); 95% fine grained sand, <5% low plastic fines, medium dense to dense, slightly moist, no odor.	10	SP		X		17	6	
Sample No. 20242-522	11			■		21	6	
	12					25	6	
	13							
	14							
	15							
	16							
	17							
	18							
	19							
	20							

GEOLOG_WELL_20242658.GPJ OHM.GDT 11/6/98

DRAWING NUMBER 818655325

APPROVED BY

CHECKED BY

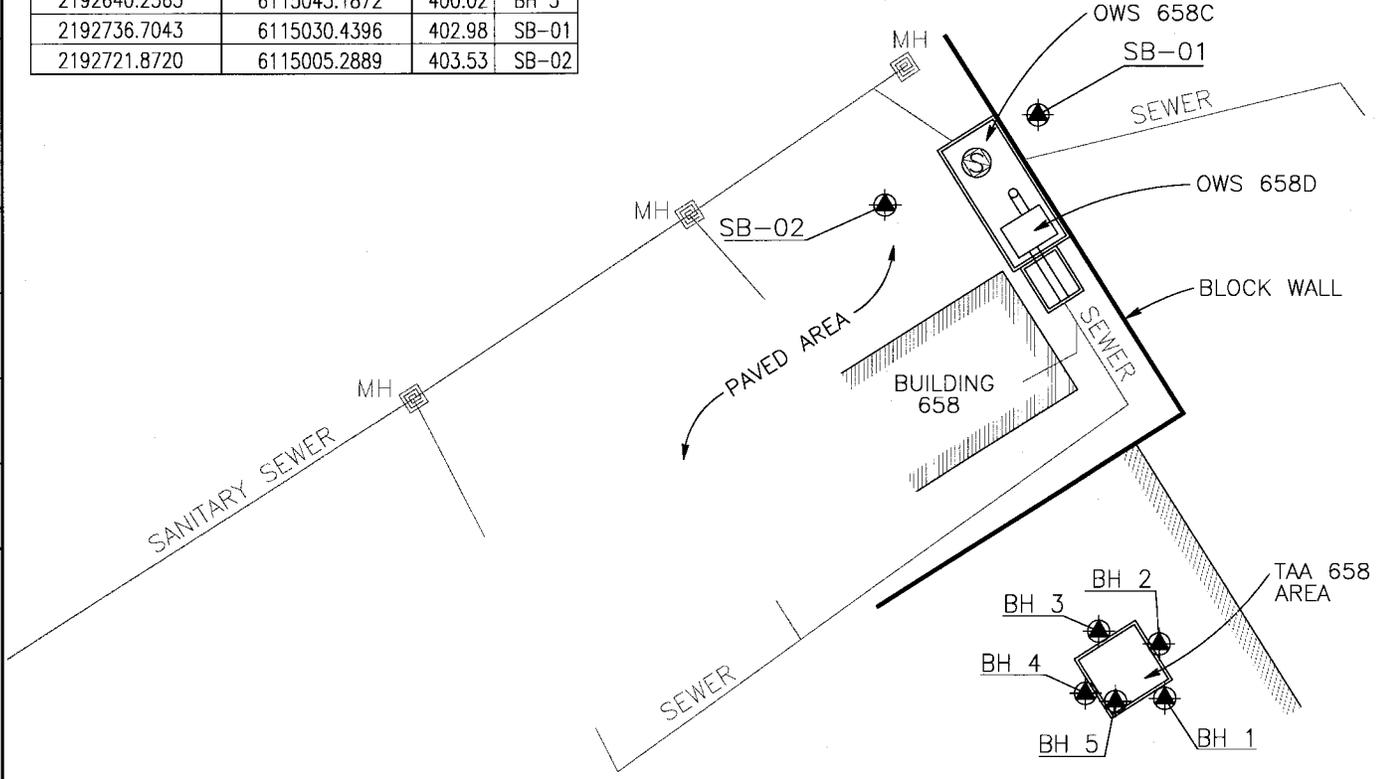
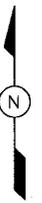
DRAWN BY JMW 7-31-02

818655325.dwg

10/1/2002 5:52 PM

SAMPLE COORDINATE LISTING

NORTHING	EASTING	ELEV	DESC
2192640.7910	6115051.2516	401.13	BH 1
2192649.6666	6115050.3348	401.37	BH 2
2192651.7372	6115040.4049	401.34	BH 3
2192641.5641	6115038.2088	401.13	BH 4
2192640.2565	6115043.1872	400.02	BH 5
2192736.7043	6115030.4396	402.98	SB-01
2192721.8720	6115005.2889	403.53	SB-02



DATE OF SURVEY: 9/18/98



EFA WEST
SOUTHWEST DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
CONTRACT NO. N62474-98-D2076

FIGURE 1
OWS 658C AND OWS 658D
SITE PLAN
MARINE CORPS AIR STATION
EL TORO, CALIFORNIA

M60050.002930
MCAS EL TORO
SSIC NO. 5090.3

ATTACHMENT (2)
COMMENTS ON THE SITE ASSESSMENT REPORT
OIL/WATER SEPARATOR SITES 658C AND 658D

DATED 02 AUGUST 2002

IS ENTERED IN THE DATABASE AND FILED AT
ADMINISTRATIVE RECORD NO. M60050.002808