

RECEIVED

9:43 am, Jun 20, 2007

Alameda County
Environmental Health

14 June 2007

Barney Chan
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject: Well Destruction
Former Exxon Retail Station 7-0210, 7840 Amador Valley Boulevard, Dublin, California

Dear Mr. Chan:

As requested by ExxonMobil Oil Corporation, ETIC Engineering Inc. (ETIC) observed the destruction of three groundwater monitoring wells at the above-referenced site.

On 29 May 2007, wells MW5 through MW7 were destroyed by Cascade Drilling, Inc. of Rancho Cordova, California (C-57 license #717510). The wells were destroyed by backfilling the well casings with neat cement grout. After the casings were filled with grout, the grout was placed under 20 pounds per square inch pressure for at least 5 minutes. Each location was resurfaced with concrete.

The construction debris and excess water generated during well destruction activities were contained in two 55-gallon drums. The drums were stored on site and will be transported for disposal to an ExxonMobil-approved facility.

The former locations of the wells are shown in the attached site plan. Well construction details for the destroyed wells are summarized in the attached boring logs and well completion diagrams. Department of Water Resources (DWR) Forms 188 are completed and attached to this letter. In addition to the DWR Forms 188, ACHCSA correspondence and well destruction permits are attached.

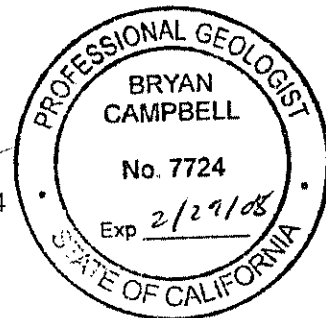
This concludes the work to be conducted on this project. Per your letter dated 9 April 2007, please issue a final closure letter at your earliest convenience. Thank you for your cooperation on this project.

If you have any questions or comments, please contact Ted Moise at (925) 602-4710, extension 23, or Bryan Campbell at extension 24.

Sincerely,

Ted Moise
Senior Project Manager

Bryan Campbell, P.G. #7724
Senior Geologist



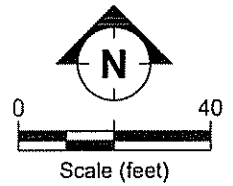
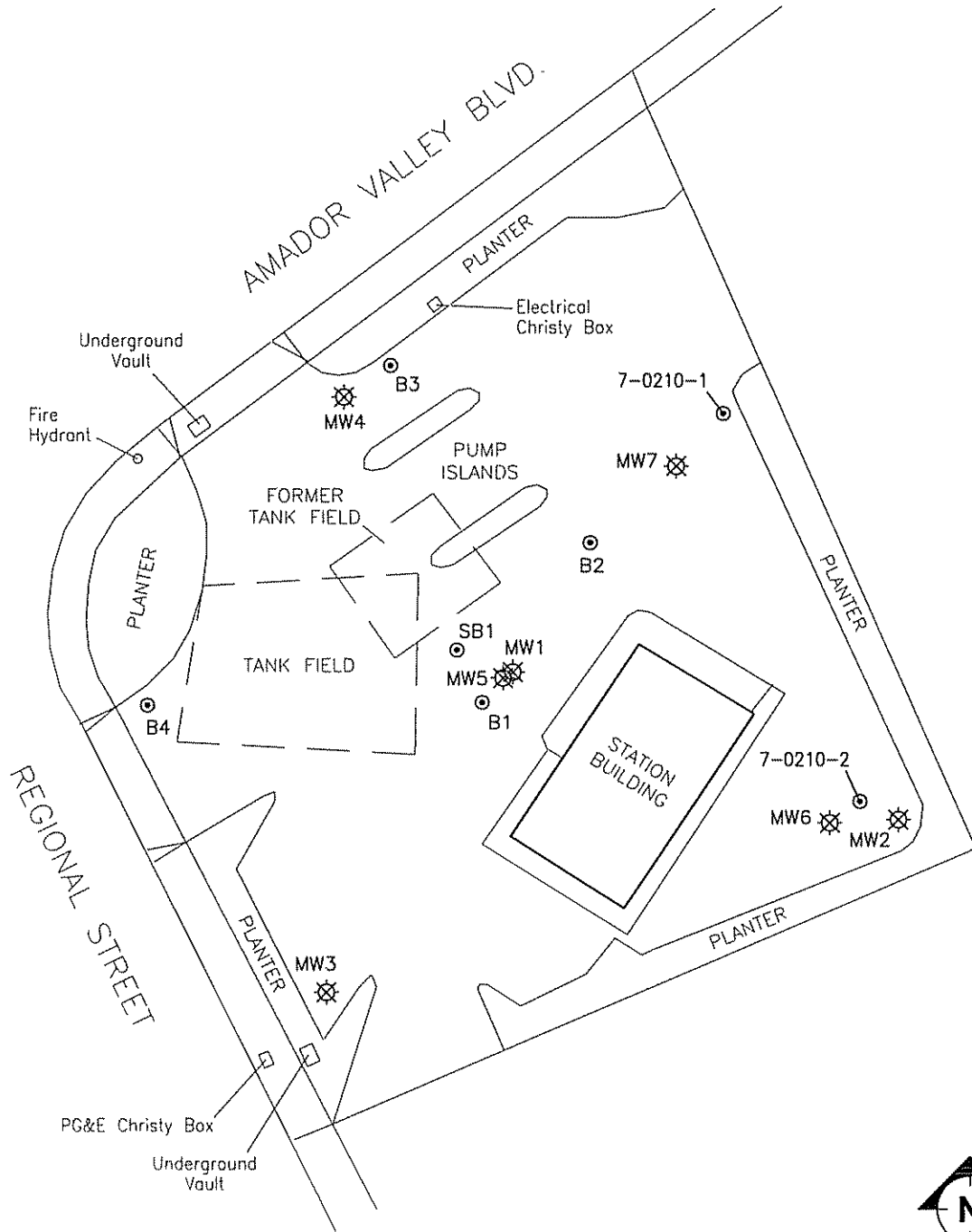
Attachments

cc: Mr. Robert Ehlers, Valero Energy Corporation (pdf copy via email to <julie.johns@valero.com>)
Ms. Conchita Hung, Dublin Valero Inc., 7840 Amador Valley Boulevard, Dublin, CA 94568-2306

Figures

LEGEND:

- ⊗ Destroyed Well
- ⊙ Soil Boring/Groundwater Sampling Location



FILENAME: SITE0507.DWG 05/01/07



SITE PLAN
FORMER EXXON RS 7-0210
7840 AMADOR VALLEY BLVD.
DUBLIN, CA

FIGURE:

1

Regulatory Correspondence

ALAMEDA COUNTY
HEALTH CARE SERVICES

AGENCY
DAVID J. KEARS, Agency Director



7-0210

April 9, 2007

Ms. Jennifer Sedlachek
ExxonMobi
4096 Piedmont Ave., #194
Oakland, CA 94611

RECEIVED

APR 12 2007

ETIC ENGINEERING

Dear Ms. Sedlachek:

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

Subject: Fuel Leak Case RO0002424 & Global ID T0600100553, Exxon #7-0210, 7840
Amador Valley Blvd., Dublin, CA 94548

Alameda County Environmental Health (ACEH) has received concurrence with our recommendation for case closure for the subject site. Prior to issuing our No Further Action Letter we request that you properly decommission the three monitoring wells at this site and submit an electronic version of the well closure report to our office. Please contact Zone 7 Water Agency at 925-454-500 for well closure permit requirements.

You may contact me at 510- 567-6765 if you have any questions.

Sincerely,

Barney M. Chan
Hazardous Materials Specialist

C: files, D. Drogos

Mr. Joe Aldridge, Valero, 685 W. 3rd St., Hanford, CA 93230

Mr. R. J. Dold, BNY Western Trust Co., 3200 SW Freeway #3050, Houston,
TX, 77027

Mr. Ted Moise, ETIC, 2285 Morello Ave., Pleasant Hill, CA 94523

wl clo req 7840 Amador Valley Blvd

**Well Completion Reports
(DWR 188 Forms)**



May 4, 2007

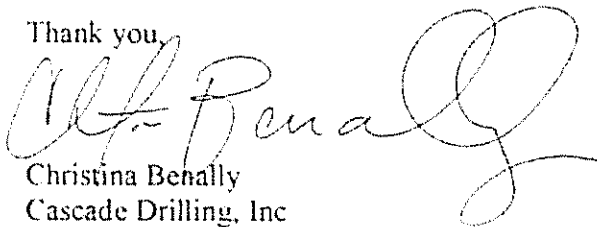
ETIC Engineering
2285 Morello Ave
Pleasant Hill, CA 94523

RE: Well Completion Reports

To Whom It May Concern:

I authorize Bryan Campbell of ETIC Engineering to sign all DWR Forms 188 for all wells completed by Cascade Drilling, Inc. If there are any questions please contact our office at 916-638-1169

Thank you,



Christina Benally
Cascade Drilling, Inc

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



CLIENT ExxonMobil	SITE NUMBER 7-0210	LOCATION 7840 Amador Valley Blvd., Dublin, CA	
DRILLING AND SAMPLING METHODS Mobile B-57 Rig; 8.25" O.D. Hollow Stem Auger			
WATER LEVEL	14.15'	14.86'	DRILLING START FINISH
TIME	0950	1052	TIME 0857 1032
DATE	11/15/00	11/15/00	DATE 11/15/00 11/15/00
REFERENCE			

LOG OF SOIL BORING: **MW5**

COORDINATES:

ELEVATION TOP OF CASING: 352.93

CASING BELOW SURFACE:

INCHES				WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER	BLOWS/6" SAMPLER	PID READING				ASPHALT (4")	
							DESCRIPTION BY: Hamidou Barry / Bob Flory	
					0		Borehole cleared to 8.4ft by vacuum method. ASPHALT	
					1			
					2			
					3			
					4	SM		SILTY SAND (SM): light olive brown (2.5Y 5/4); fine sand, loose, weak cementation, low plasticity fines, damp to moist, rare angular gravel up to 0.75".
					5			
					6			
					7			
24	24	3 7	0.0		8			
		13 15			9			
24	24	8 12	0.0		10	CL		SILTY CLAY (CL): dark greenish gray (10Y 4/1), firm, low plasticity, damp; some fine sand, rare rounded gravel to 0.5".
		15 50/5"			11			
24	24	7 9	0.0		12			SAME: coarse sand, hard.
		12			13			
		15			14	SC		CLAYEY SAND (SC): greenish gray (10Y 5/1), medium dense, weak cementation.
24	24	6 7	1.0		15			Gravelly at 14.5', subangular-subrounded up to 1".
		7 9			16	CL		SILTY CLAY (CL): greenish gray (10Y 5/1), soft to firm, low plasticity, damp.
24	24	2 3	14 97		17	SM/SC		SILTY CLAYEY SAND (SM/SC): greenish gray (10Y 5/1), medium dense, minor gravel, subrounded up to 0.5", damp to moist.
		3 6	1.0		18			
					19	CL		SILTY CLAY (CL): light olive brown (2.5Y 4/4), soft, medium plasticity, damp; some fine sand.
					20			

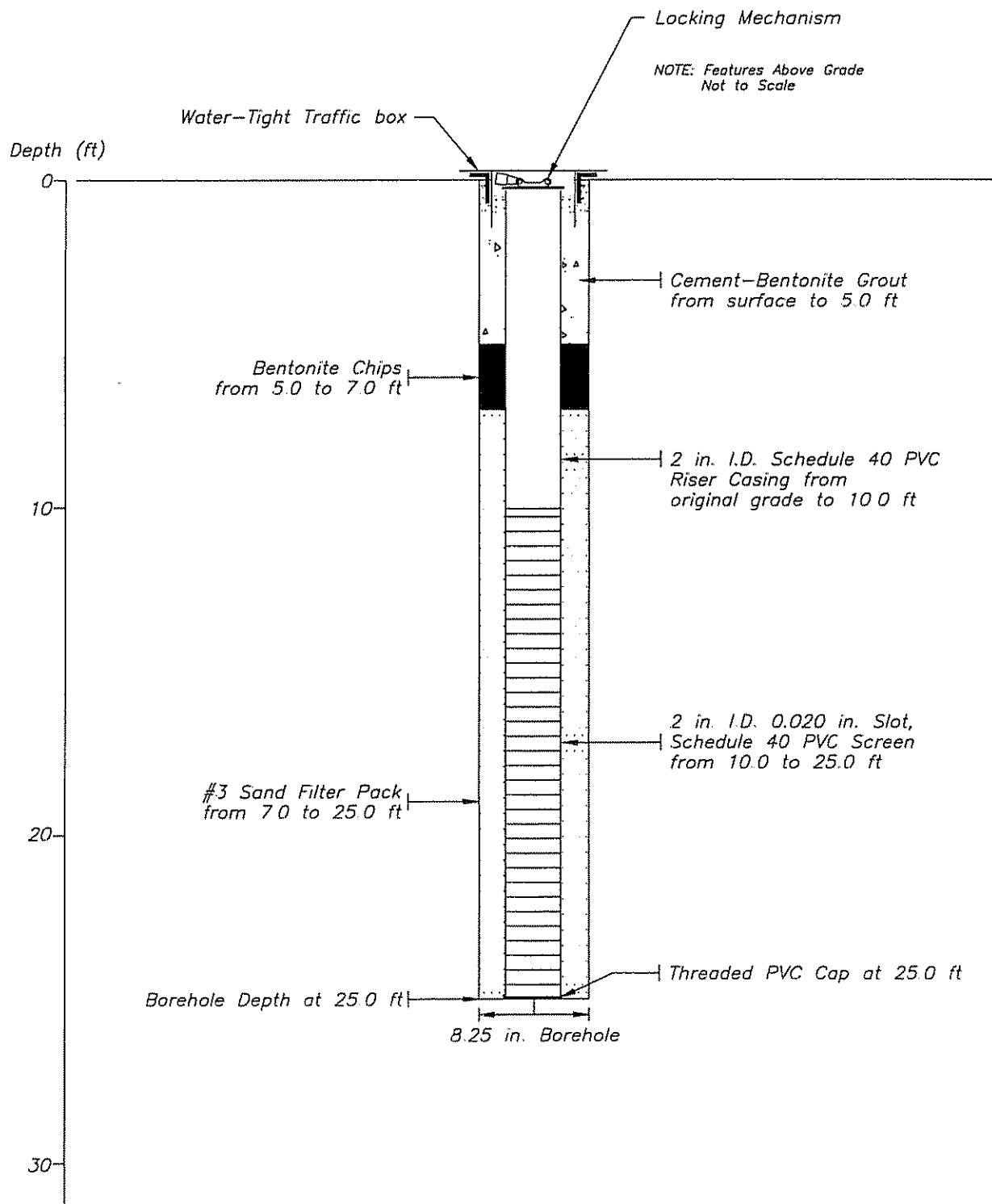


CLIENT
ExxonMobil

SITE NUMBER
7-0210

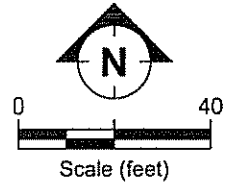
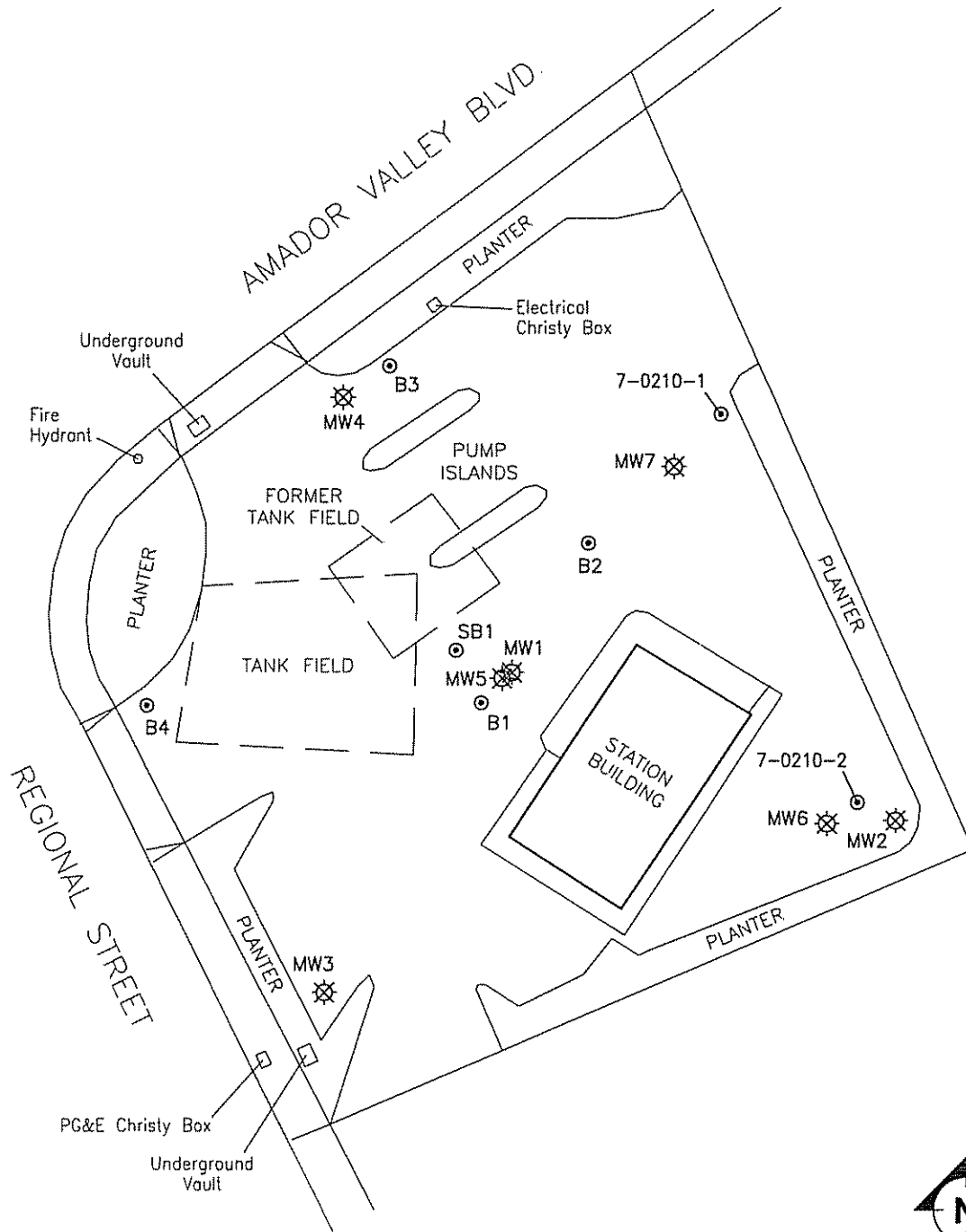
LOCATION
7840 Amador Valley Blvd., Dublin, CA

INCHES				WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	LOG OF SOIL BORING: MW5	
DRIVEN	RECOVER	BLOWS/6" SAMPLER	PID READING					
24	20	6			21		SANDY GRAVEL (GW): light yellowish brown (2.5Y 6/3), well-graded gravel, weak cementation; subrounded gravel to 1", fine to coarse sand, wet.	
		6			22		CLAYEY SAND (SC): light olive brown (2.5Y 5/4), medium dense; low plasticity fines, fine to medium sand, damp to moist.	
		7			23			
		9			24		SANDY, SILTY CLAY (CL): light yellowish brown (2.5Y 6/4), soft, medium plasticity, damp; fine sand.	
24	24	7			25			
		7			26			Boring terminated at 25ft. Sampled to 25ft.
		7			27			
		7			28			
		8			29			
				30				
				31				
				32				
				33				
				34				
				35				
				36				
				37				
				38				
				39				
				40				
				41				
				42				
				43				
				44				
				45				



LEGEND:

- ⊗ Destroyed Well
- ⊙ Soil Boring/Groundwater Sampling Location



FILENAME: SITE0507.DWG 05/01/07



SITE PLAN
FORMER EXXON RS 7-0210
7840 AMADOR VALLEY BLVD.
DUBLIN, CA

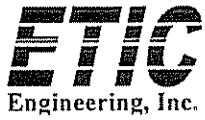
FIGURE:

1

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



CLIENT ExxonMobil	SITE NUMBER 7-0210	LOCATION 7840 Amador Valley Blvd., Dublin, CA	
DRILLING AND SAMPLING METHODS Mobile B-57 Rig; 8.25" O.D. Hollow Stem Auger			
WATER LEVEL	16.8'	14.55'	DRILLING START FINISH
TIME	1035	1204	TIME TIME
DATE	11/14/00	11/14/00	1038 1130
REFERENCE	Ground Surface	Ground Surface	DATE DATE
			11/14/00 11/14/00

LOG OF SOIL BORING: **MW6**

COORDINATES:

ELEVATION TOP OF CASING: 352.66

CASING BELOW SURFACE:

INCHES		BLOWS/6" SAMPLER	PID READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	SURFACE CONDITIONS	
DRIVEN	RECOVER						ASPHALT (4")	
							DESCRIPTION BY: Hamidou Barry / Bob Flory	
					0		Borehole cleared to 4ft by vacuum method. ASPHALT	
					1		SANDY CLAY (CL): yellowish brown (10YR 5/4), low plasticity, soft, damp.	
					2			
					3			
					4			
24	18	8			5			
		8			6		SILTY, CLAYEY SAND (SC): light olive brown (2.5Y 5/3), fine-grained sand, soft to medium dense; low plasticity fines, damp.	
		16	0.0		7			
		16			8			
24	24	4			9		SAME: color changes to yellowish brown (10YR 5/4).	
		4			10			
		5			11		SANDY CLAY (CL): olive (5Y 5/4), firm, medium plasticity, damp, fine sand.	
		6			12			
24	24	5	0.0		13		SAME: minor medium to coarse sand.	
		5			14			
		6			15		CLAYEY SAND (SC): light olive brown (2.5Y 5/4), medium dense, low plasticity fine, some subrounded gravel, fine to coarse sand, moist.	
		7			16		SAME: increase in clay content.	
		7			17			
		11			18		SAND (SP): yellowish brown (10YR 5/6), poorly graded, fine sand, moderate cementation, medium dense, wet; some subrounded gravel up to 0.5".	
		11	0.0		19			
24	24	5			20		Gravelly at 17ft.	
		5						
		7						
		12						

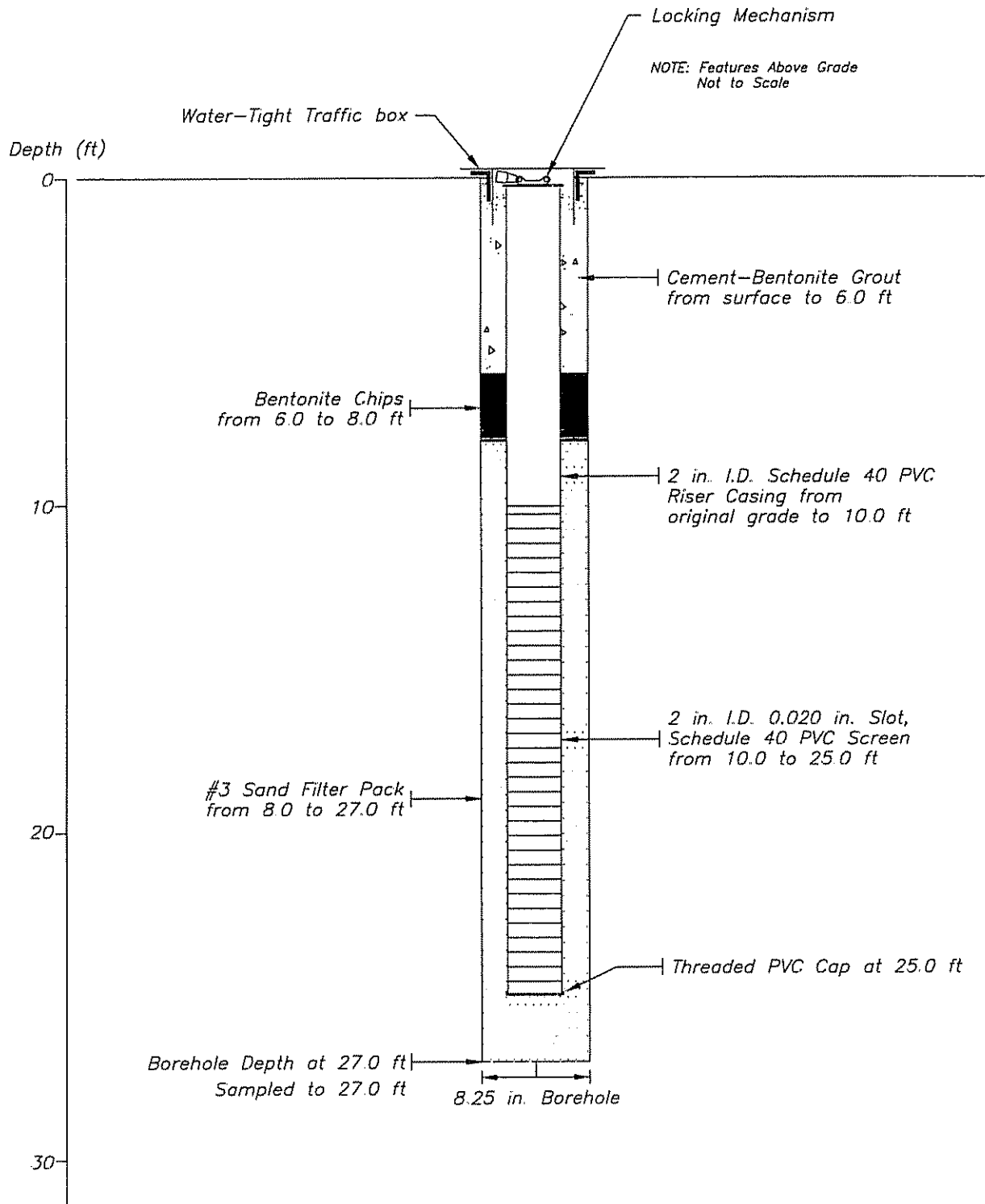


CLIENT
ExxonMobil

SITE NUMBER
7-0210

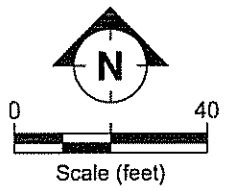
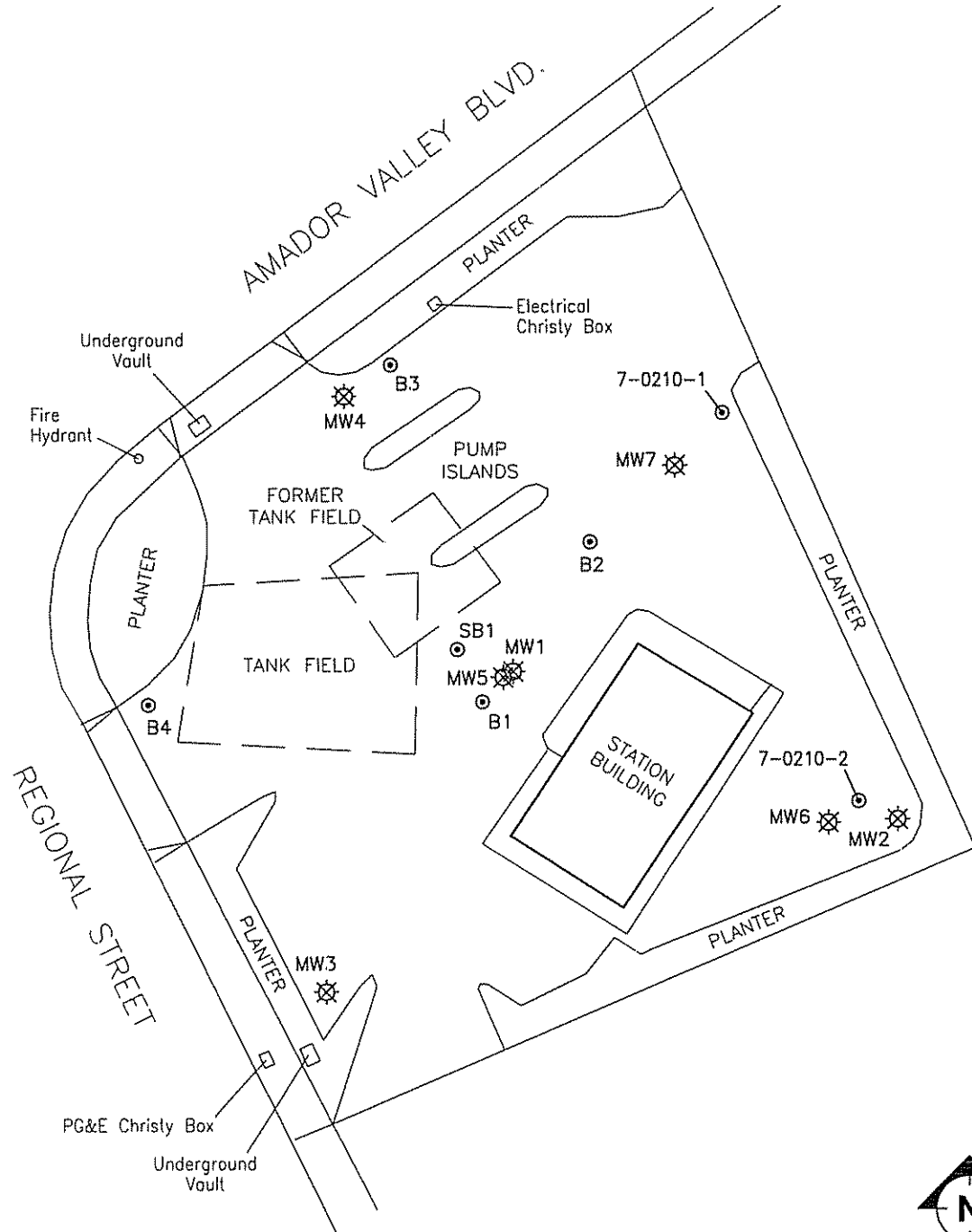
LOCATION
7840 Amador Valley Blvd., Dublin, CA

INCHES				WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	LOG OF SOIL BORING: MW6	
DRIVEN	RECOVER	BLOWS/6" SAMPLER	PID READING					
24	24	3			21		CLAYEY SAND (SC): light yellowish brown (2.5Y 6/4), medium dense, fine sand, low plasticity clay, moist.	
		4			22			
		7			23			
		9			24			
24	12	4			24			SAME: at 25 ft, gravelly subrounded to rounded gravel to 1"; fine to coarse sand.
		4			25			
		6			26			
24	24	4				26		SANDY CLAY (CL): olive (5Y 4/3), firm to hard, medium plasticity, damp; fine sand.
		6				27		
		7	0.0			28		Boring terminated at 27ft bgs. Sampled to 27 ft.
		10		29				
				30				
				31				
				32				
				33				
				34				
				35				
				36				
				37				
				38				
				39				
				40				
				41				
				42				
				43				
				44				
				45				



LEGEND:

- ⊗ Destroyed Well
- ⊙ Soil Boring/Groundwater Sampling Location



FILENAME: SITE0507.DWG 05/01/07



SITE PLAN
FORMER EXXON RS 7-0210
7840 AMADOR VALLEY BLVD.
DUBLIN, CA

FIGURE:

1

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED



CLIENT ExxonMobil	SITE NUMBER 7-0210	LOCATION 7840 Amador Valley Blvd., Dublin, CA	
DRILLING AND SAMPLING METHODS Mobile B-57 Rig; 8.25" O.D. Hollow Stem Auger			
WATER LEVEL	14.3'	DRILLING	
TIME	1500	START TIME	FINISH TIME
DATE	11/14/00	1435	1637
REFERENCE		DATE	DATE
		11/14/00	11/14/00

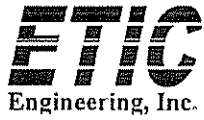
LOG OF SOIL BORING: **MW7**

COORDINATES:

ELEVATION TOP OF CASING: 351.86

CASING BELOW SURFACE:

INCHES DRIVEN	INCHES RECOVER	BLOWS/6" SAMPLER	PID READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	SURFACE CONDITIONS	
							ASPHALT (4")	
							DESCRIPTION BY:	
							Hamidou Barry / Bob Flory	
					0		Borehole cleared to 4ft bgs by vacuum method. ASPHALT	
					1			
					2			
					3	CL	SILTY CLAY (CL): dark olive gray (5Y 3/2), soft to firm, low plasticity, damp; some coarse sand, angular gravel up to 1".	
					4			
18	18	6 9 12	0.0		5			
					6	SC	CLAYEY SAND (SC): light olive brown (2.5Y 5/3); fine sand, medium dense, nonplastic fine, damp, root traces.	
					7			
					8			
					9			
24	24	10 11 12 14	0.0		10	SC	SAME: color change to olive brown (2.5Y 4/3), rare rounded gravel to 0.5".	
					11			
					12	CL	SILTY CLAY (CL): olive brown (2.5Y 4/2), firm, low plasticity; some fine sand, damp, rare gravel subangular to 1".	
24	24	5 7 9	0.0		13	ML	CLAYEY SILT (ML): olive brown (2.5Y 4/4), soft, low plasticity, moist; some fine sand.	
					14	SC	CLAYEY SAND (SC): dark yellowish brown (10YR 4/4), fine sand, medium dense, moist.	
24	24	3 3 4 6	0.0		15			
					16	SW	SAND (SW): olive (5Y 5/3), well-graded, loose, weak cementation, some subrounded gravel to 0.5", wet.	
24		2 3 4 6			17		No recovery.	
					18			
24	10	9 11 10 12			19	SW	GRAVELLY SAND (SW): olive brown (2.5Y 4/4), fine to coarse sand, subrounded gravel up to 1"; weak cementation, some clay and silt, wet.	
					20			



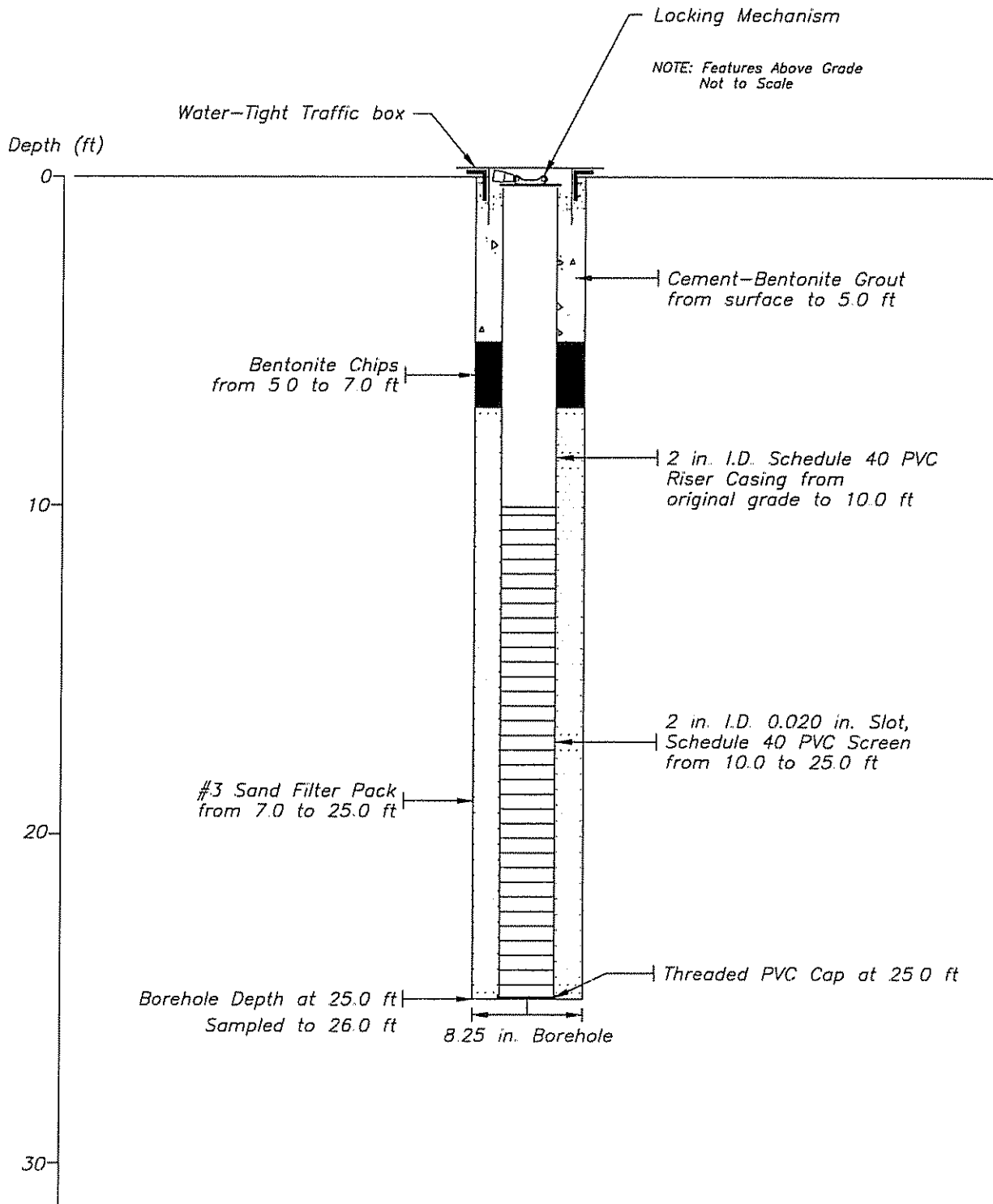
CLIENT
ExxonMobil

SITE NUMBER
7-0210

LOCATION
7840 Amador Valley Blvd., Dublin, CA

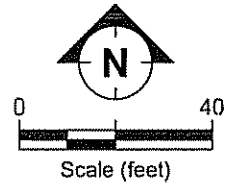
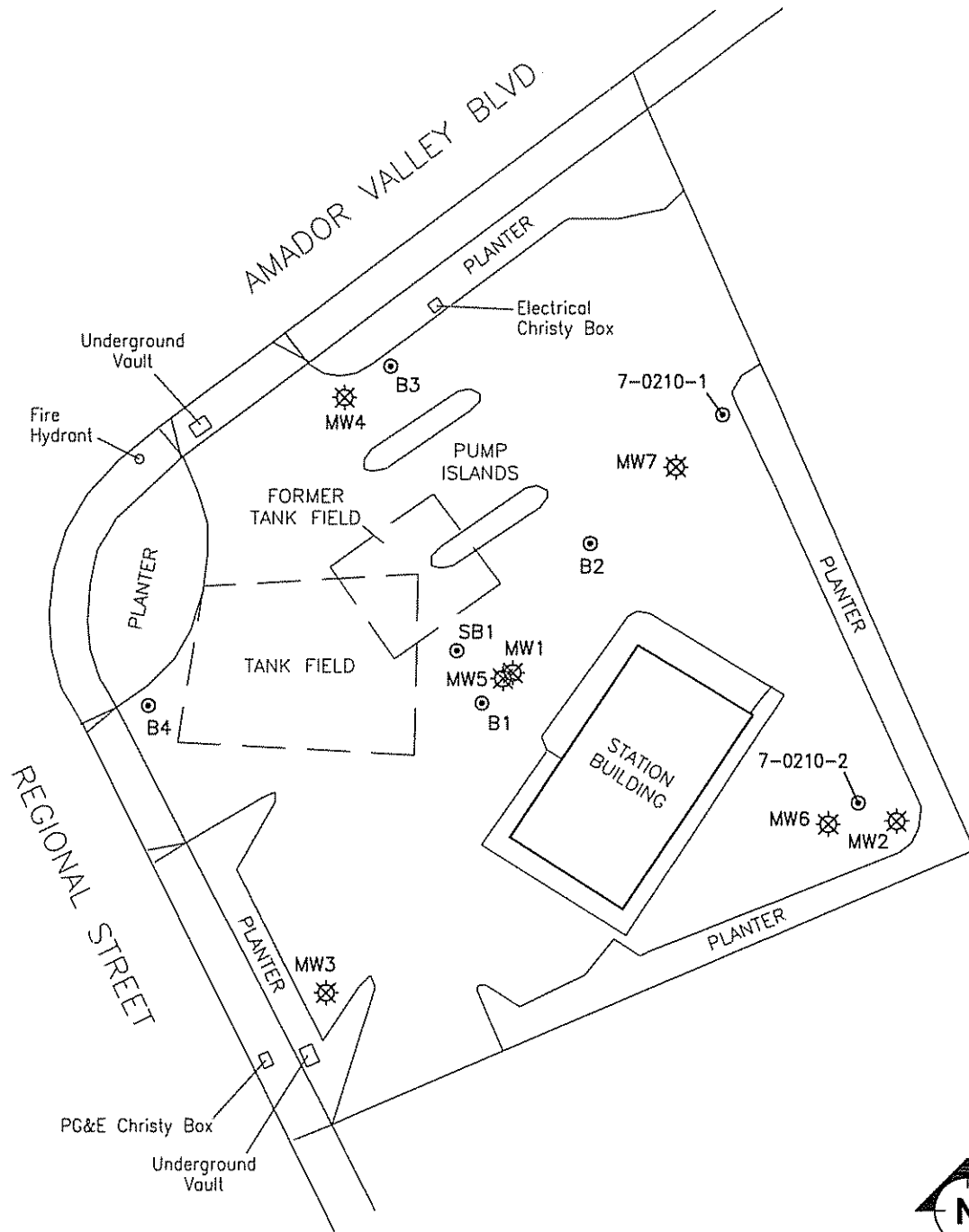
INCHES		BLOWS/6" SAMPLER	PID READING	WELL DETAIL	DEPTH (feet)	GRAPHIC LOG	LOG OF SOIL BORING: MW7
DRIVEN	RECOVER						
24	24	2			21	SP	SAND (SP): light olive brown (2.5Y 5/3), poorly graded, fine sand, loose; some coarse sand, low plasticity fine, wet.
		6			22	CL	
24	24	10			23	CL	SANDY CLAY (CL): light olive brown (2.5Y 5/3), soft to firm, medium plasticity, damp; fine sand, some silt.
		12			24	SC	CLAYEY SAND (SC): olive (5Y 5/3), medium dense, fine sand, low plasticity fine, damp to moist.
24	24	3			25	CL	SILTY CLAY (CL): dark olive brown (2.5Y 3/3), firm to hard, low plasticity, damp.
		6			26		
		9			27		
		12			28		
24	24	10	4.0		29		
		15			30		
		17			31		
		20			32		
					33		
					34		
					35		
					36		
					37		
					38		
					39		
					40		
				41			
				42			
				43			
				44			
				45			

Boring terminated at 25 feet.
Sampled to 26ft.



LEGEND:

- ⊗ Destroyed Well
- ⊙ Soil Boring/Groundwater Sampling Location



FILENAME: SITE0507.DWG 05/01/07



SITE PLAN
FORMER EXXON RS 7-0210
7840 AMADOR VALLEY BLVD.
DUBLIN, CA

FIGURE:

1

Well Destruction Permits



ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 454-5728

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 7840 Amador Valley Boulevard
Dublin, California

PERMIT NUMBER 27087
WELL NUMBER 3S/IW-2H30 to 2H32 (MW-5 to MW-7)
APN 941-0305-020-02

California Coordinates Source _____ ft Accuracy= _____ ft.
CCN _____ ft CCE _____ ft.
APN 941-0305-020-02

PERMIT CONDITIONS

(Circled Permit Requirements Apply)

CLIENT Exxon Mobil Corporation
Name _____
Address 4096 Piedmont Ave, #194 Phone (510) 547-9196
City Oakland Zip 94611

- (A) GENERAL
 1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
 2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects or drilling logs and location sketch for geotechnical projects.
 3. Permit is void if project not begun within 90 days of approval date.

APPLICANT ETIC Engineering, Inc.
Name _____
Address 2285 Morello Avenue Fax (925) 602-4720
City Pleasant Hill Phone (925) 602-4710
Zip 94523

- B. WATER SUPPLY WELLS
 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
 3. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements
 4. A sample port is required on the discharge pipe near the wellhead.

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	<input type="checkbox"/>	General	<input type="checkbox"/>
Water Supply	<input type="checkbox"/>	Contamination	<input type="checkbox"/>
Monitoring	<input type="checkbox"/>	Well Destruction	<input checked="" type="checkbox"/>

- C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
 1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
 2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

PROPOSED WELL USE N/A

New Domestic	<input type="checkbox"/>	Irrigation	<input type="checkbox"/>
Municipal	<input type="checkbox"/>	Remediation	<input type="checkbox"/>
Industrial	<input type="checkbox"/>	Groundwater Monitoring	<input type="checkbox"/>
Dewatering	<input type="checkbox"/>	Other _____	<input type="checkbox"/>

- D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.
- E. CATHODIC. Fill hole above anode zone with concrete placed by tremie
- (F) WELL DESTRUCTION. See attached.
- (G) SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after the completion of permitted work the well installation report including all soil and water laboratory analysis results.

DRILLING METHOD: N/A

Mud Rotary	<input type="checkbox"/>	Air Rotary	<input type="checkbox"/>	Hollow Stem Auger	<input type="checkbox"/>
Cable Tool	<input type="checkbox"/>	Direct Push	<input type="checkbox"/>	Other _____	<input type="checkbox"/>

DRILLING COMPANY Cascade Drilling
DRILLER'S LICENSE NO. C57-717510

WELL PROJECTS

Drill Hole Diameter	<u>8.25</u> in	Maximum	
Casing Diameter	<u>4</u> in	Depth	_____ ft
Surface Seal Depth	_____ ft	Number	<u>3</u>

SOIL BORINGS

Number of Borings	_____	Maximum	
Hole Diameter	_____ in	Depth	_____ ft

ESTIMATED STARTING DATE 5/29/07
ESTIMATED COMPLETION DATE 5/29/07

Approved Wyman Hong Date 5/17/07
Wyman Hong

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-05.

APPLICANT'S SIGNATURE [Signature] Date 5/17/07

ATTACH SITE PLAN OR SKETCH

May 21, 2007

**Zone 7
Water Resources Engineering
Groundwater Protection Ordinance**

**Exxon Mobil Corporation
7840 Amador Valley Boulevard
Dublin
Wells 3S/1W-2H30 to 3S/4E-2H32 (MW-5 to MW-7)
Permit 27087**

Destruction Requirements:

1. Clean out all bridged or poorly compacted materials to the bottom of the well.
2. Sound the well as deeply as practicable and record for your report.
3. Pressure grout the casing to two feet below the finished grade or original ground, whichever is the lower elevation.
4. Remove the casing, seal, and gravel pack to two feet below the finished grade or original ground, whichever is the lower elevation (optional).
5. After the seal has set, backfill the remaining hole with compacted material(optional).