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By Alameda County Environmental Health at 3:02 pm, Nov 24, 2014

November 20, 2014

1211.001.04.004

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Attention: Mr. Mark Detterman

Transmittal

Monitoring Well and Vapor Probe Decommission Notification
1650 65th Street
Emeryville, California
Fuel Leak Case No. RO0000440
Geotracker Global ID T0600100511

Dear Mr. Detterman:

Submitted herewith for your review is the *Monitoring Well and Vapor Probe Decommission Notification, 1650 65th Street, Emeryville, California* prepared by PES Environmental, Inc.

I declare, under penalty of perjury, that the information and recommendations contained in the attached document are true and correct to the best of my knowledge.

Very truly yours,

GRIFFIN CAPITAL CORPORATION

Julie A. Treinen
Managing Director, Asset Management

cc: Chris Baldassari, PES Environmental, Inc.



November 20, 2014

1211.001.04.002

Alameda County Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Attention: Mr. Mark Detterman, PG, CEG

**MONITORING WELL AND VAPOR PROBE DECOMMISSION NOTIFICATION
1650 65TH STREET,
EMERYVILLE, CALIFORNIA
Fuel Leak Case No. RO0000440
Geotracker Global ID T0600100511**

Dear Mr. Detterman:

PES Environmental, Inc. (PES) has prepared this report for Griffin Capital Corporation (Griffin), agent for the fee owners for the commercial property located at 1650 65th Street, Emeryville, California (the Site), to document groundwater monitoring well and sub-slab vapor probe decommissioning activities conducted at the Site on November 3, 2014. The location of the Site is shown on Plate 1, and a Site Plan is presented on Plate 2. The locations of the former groundwater monitoring wells and sub-slab vapor probes are shown on Plate 2. The former wells and probes comprised the monitoring network associated with the subject leaking underground storage tank (LUST) case (ACEH Fuel Leak Case No. RO0000440) overseen by the Alameda County Department of Environmental Health (ACEH). The wells and probes were decommissioned in accordance with ACEH case closure correspondence¹.

Additionally, in accordance with the October 15, 2014 ACEH case closure correspondence, monitoring wells MW-5 and MW-7, located to the north of the 1650 65th Street building, were not decommissioned; ACEH noted that these wells are currently being utilized for the adjacent open fuel leak case at 6601/6603 Shellmound Street (Fuel Leak Case No. RO0000042) and were requested by ACEH to be retained for future groundwater monitoring events associated with that fuel leak case.

¹ ACEH, 2014. *End of Public Participation Notification Period for Case Closure; Fuel Leak Case No. RO0000440 and Geotracker Global ID T0600100511, Emery Bay Plaza, 1650 65th Street, Emeryville, CA 94608*. October 15.

Mr. Mark Detterman
November 20, 2014
Page 2

WELL DESTRUCTION PROCEDURES

Pre-Field Activities

Prior to conducting field activities: (1) well and probe destruction permits were obtained from the Alameda County Public Works Agency (ACPWA); (2) Underground Service Alert was contacted more than 48 hours before beginning activities; and (3) the Site-specific Health and Safety Plan, compliant with applicable federal, California Occupational Safety and Health Administration (OSHA), and Title 29 CFR 1910.120 guidelines, was updated by PES for the activities described herein. Copies of the ACPWA permits are presented in Appendix A.

Penecore Drilling Company of Woodland, California, a licensed drilling contractor possessing a valid C-57 water well contractor's license issued by the State of California, was retained to perform the well and probe decommissioning activities, and the work was performed with oversight by a licensed California Professional Geologist.

Groundwater Monitoring Well and Sub-Slab Vapor Destruction Procedures

Groundwater monitoring well and sub-slab vapor probe destruction activities were conducted in accordance with County and State requirements (California Well Standards Bulletins 74-81² and 74-90³). All well destruction activities were conducted under supervision of an ACPWA inspector. Well construction details are shown on Table 1. The monitoring wells were destroyed by pressure grouting with neat cement grout and 25 pounds per square inch (PSI) of pressure was applied for five minutes to ensure all voids were properly grouted. Sub-slab vapor probes were removed with hand tools and backfilled with neat cement grout. The approximate volume of grout used to destroy each well and probe is indicated below:

- Well MW-2: 24 gallons grout;
- Well MW-3: 26 gallons grout;
- Well MW-4: 35 gallons grout;
- Well MW-6: 40 gallons grout;
- Well MW-8: 20 gallons grout;
- Well EW-1: 66 gallons grout;

² California Department of Water Resources (DWR), 1981. *Water Well Standards: State of California, Bulletin 74-81*. December.

³ DWR, 1991. *California Well Standards, Bulletin 74-90 (Supplement to Bulletin 74-81)*. June.

Mr. Mark Detterman
November 20, 2014
Page 3

- Sub-slab vapor probe SS-1: 0.5 gallons grout; and
- Sub-slab vapor probe SS-2: 0.5 gallons grout.

After completion of pressure grouting the steel Christy box from each well surface completion was removed and backfilled with concrete. The concrete was dyed to match the approximate color of the existing asphalt surface.

No drilling spoils were generated, and no wastewater was generated during the well destruction activities. Inert concrete and metal debris, consisting of the Christy box and surrounding concrete surface finish, was transported offsite for recycling; as such no investigation-derived waste requiring characterization (e.g., drilling spoils or purged groundwater) was generated.

As required by ACPWA, original copies of the *State of California Well Completion Report* prepared for each well was transmitted to ACPWA; copies of the reports are included in Appendix B.

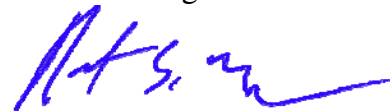
We trust this is the information you require at this time.

Very truly yours,

PES ENVIRONMENTAL, INC.



Christopher J. Baldassari, P.G.
Senior Geologist



Robert S. Creps, P.E.
Principal Engineer

Attachments: Table 1 – Well Construction and Sub-Slab Vapor Probe Details
Plate 1 – Site Location Map
Plate 2 – Site Plan
Appendix A – ACPWA Well Destruction Permits
Appendix B – State of California Well Completion Reports

TABLE

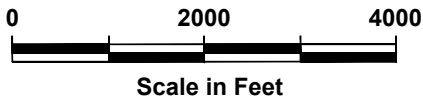
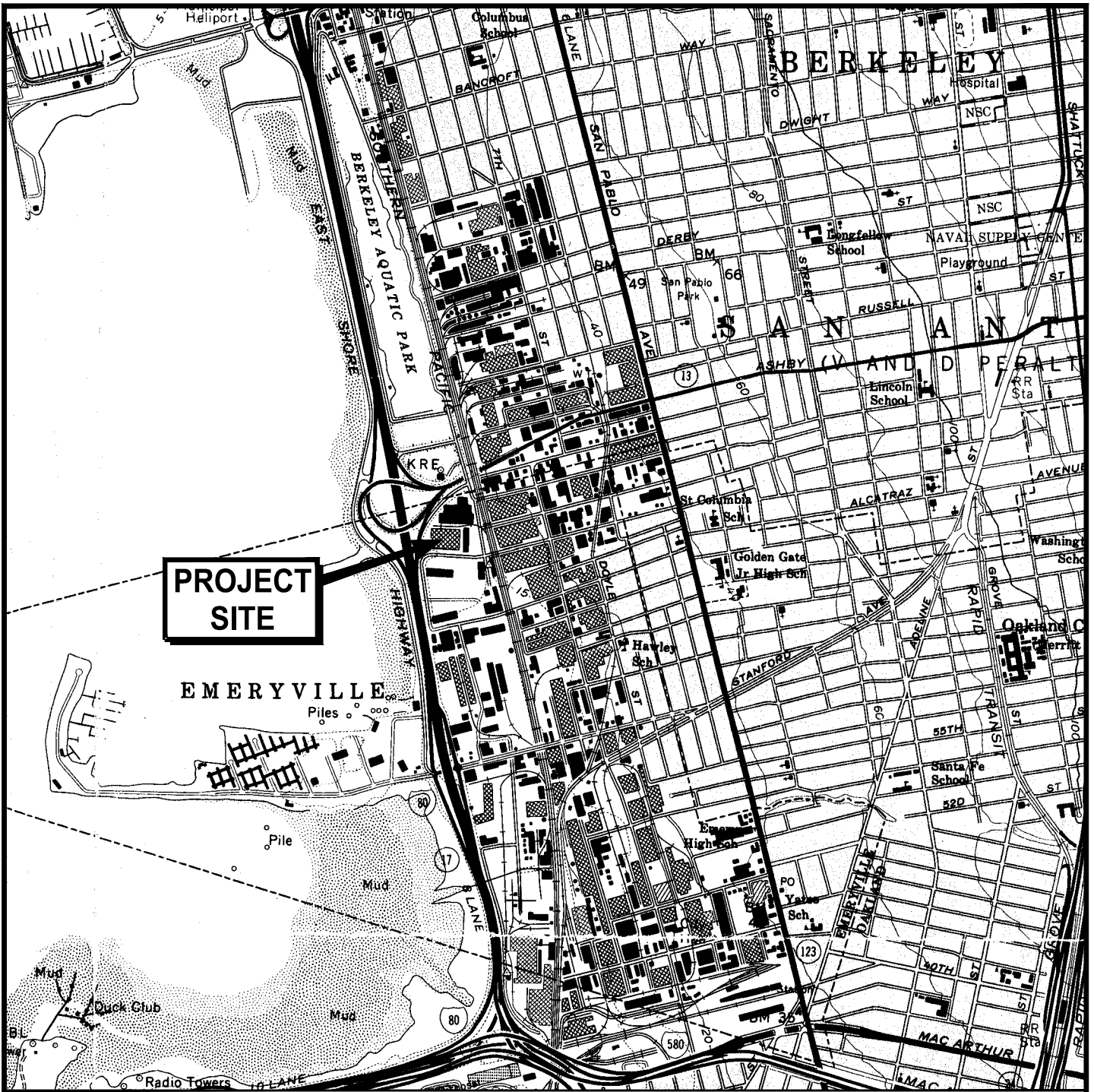
Table 1
Summary of Groundwater Monitoring Well Construction Details
1650 65th Street
Emeryville, California

Well Identification	Top of Casing (feet MSL)	Well Casing Diameter (inches)	Screened Interval (feet bgs)
EW-1	18.25	4	8.3 - 28.9
MW-2	18.24	2	8.3 - 28.0
MW-3	14.92	4	6.6 - 18.0
MW-4	14.73	4	6.1 - 15.8
MW-6	14.53	4	7.1 - 21.8
MW-8	17.52	2	6 - 26

Notes:

MSL - mean sea level, referenced to North American Vertical Datum of 1988 (NAVD88).
bgs - below ground surface.

PLATES



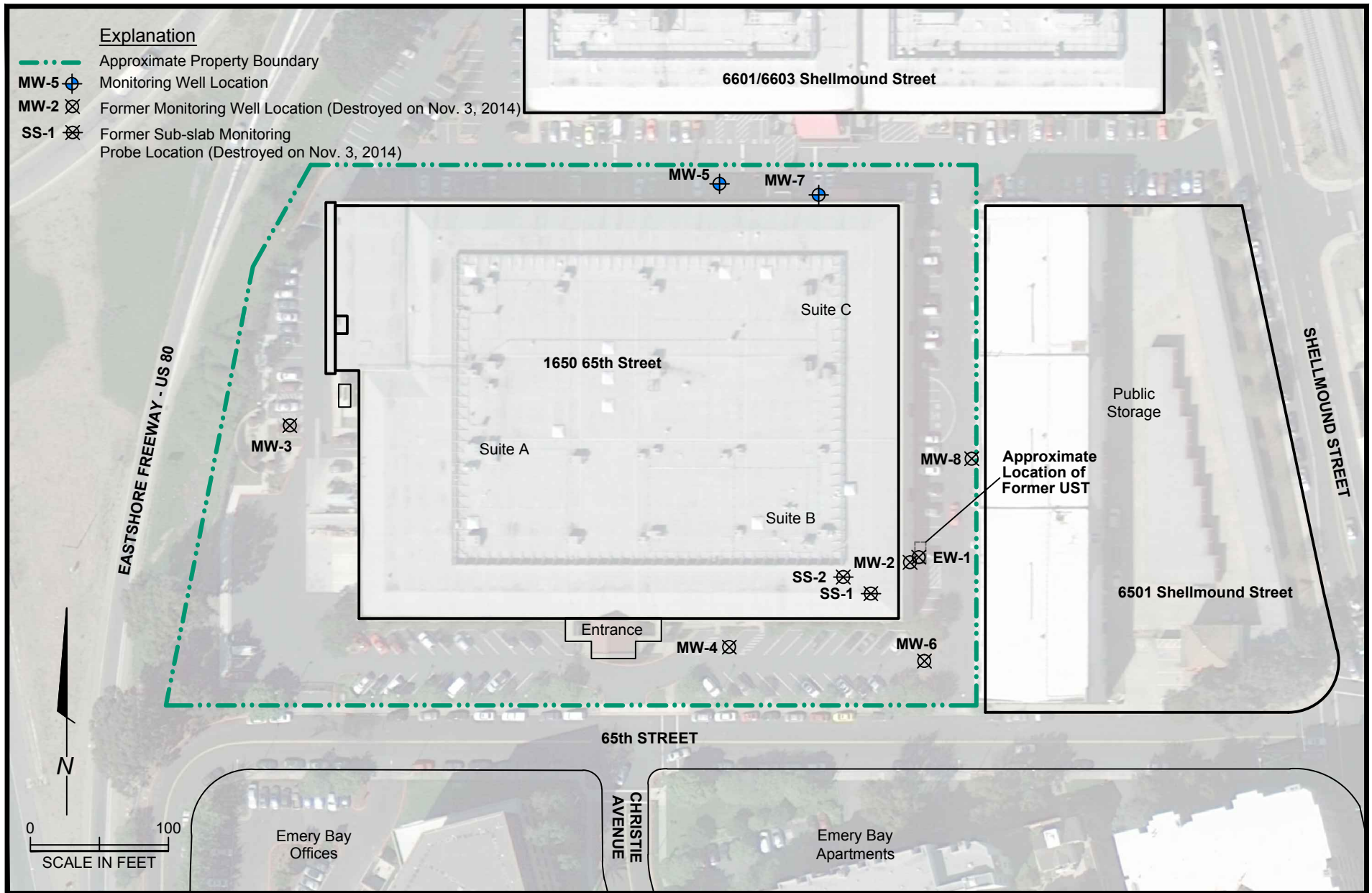
U.S.G.S. Topo Map - Oakland West, California, 7.5-minute quadrangle. Map version 1997; current as of 1993



Site Location Map
1650 65th Street
Emeryville, California

PLATE

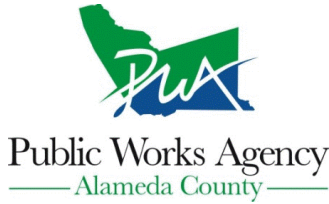
1



APPENDIX A

WELL DESTRUCTION PERMITS

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 10/28/2014 By jamesy

Permit Numbers: W2014-0995 to W2014-1000
Permits Valid from 11/03/2014 to 11/03/2014

Application Id: 1414521114117
Site Location: 1650 65th St, Emeryville, CA
Project Start Date: 11/03/2014
Assigned Inspector: Contact Steve Miller at (510) 670-5517 or stevem@acpwa.org

City of Project Site: Emeryville

Completion Date: 11/03/2014

Applicant: PES - Chris Baldassari
1682 Novato Bl, Novato, CA 94947
Property Owner: Griffin Capital Corp
1520 Grand Avenue, El Segundo, CA 90245
Client: ** same as Property Owner **
Contact: Galvin Crpes

Phone: 415-899-1600

Phone: --

Phone: --
Cell: 415-497-2736

Receipt Number: WR2014-0432	Total Due:	\$2250.00
Payer Name : PES	Total Amount Paid:	\$2250.00
	Paid By: VISA	PAID IN FULL

Works Requesting Permits:

Well Destruction-Monitoring - 5 Wells
Driller: Penecore - Lic #: 906899 - Method: other

Work Total: \$1985.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2014-0995	10/28/2014	02/01/2015	MW2	8.00 in.	2.00 in.	0.00 ft	33.00 ft	1S/4W15E	No Records	No Records
W2014-0996	10/28/2014	02/01/2015	MW3	10.65 in.	4.00 in.	0.00 ft	22.00 ft	1S/4W15E	No Records	No Records
W2014-0997	10/28/2014	02/01/2015	MW4	10.75 in.	4.00 in.	0.00 ft	19.00 ft	1S/4W15E	No Records	No Records
W2014-0998	10/28/2014	02/01/2015	MW6	10.75 in.	4.00 in.	0.00 ft	21.50 ft	1S/4W15E	No Records	No Records
W2014-0999	10/28/2014	02/01/2015	MW8	8.00 in.	2.00 in.	0.00 ft	26.00 ft	1S/4W15E	94516	No Records

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

2. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

3. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755

Alameda County Public Works Agency - Water Resources Well Permit

(Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.

4. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
5. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost and liability in connection with or resulting from the exercise of this Permit including, but not limited to, property damage, personal injury and wrongful death.
6. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
7. Permittee, permittee's contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statutes regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on or off-site storm sewers, dry wells, or waterways or be allowed to move off the property where work is being completed.
8. Remove the Christy box or similar structure.

Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and soil.

After the seal has set, backfill the remaining hole with concrete or compacted material to match existing conditions.

9. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.

Remediation Well Destruction-Extraction - 3 Wells

Driller: Penecore - Lic #: 906899 - Method: other

Work Total: \$265.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2014-1000	10/28/2014	02/01/2015	EW1	10.75 in.	4.00 in.	0.00 ft	30.00 ft			
W2014-1000	10/28/2014	02/01/2015	SS1	1.00 in.	1.00 in.	0.00 ft	1.00 ft			
W2014-1000	10/28/2014	02/01/2015	SS2	1.00 in.	1.00 in.	0.00 ft	1.00 ft			

Specific Work Permit Conditions

1. Drilling Permit(s) can be voided/ cancelled only in writing. It is the applicant's responsibility to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

Alameda County Public Works Agency - Water Resources Well Permit

2. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Include permit number and site map.
 3. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.
 4. Applicant shall contact assigned inspector listed on the top of the permit at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
 5. Remove the Christy box or similar structure. Destroy well(s) by overdrilling to total depth & Tremie Grouting with Cement. After the seal has set, backfill the remaining hole with concrete or compacted material to match existing.
 6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
 7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.
-

APPENDIX B

STATE OF CALIFORNIA WELL COMPLETION REPORTS

CLIENT P.O. PARTNERS

TEST HOLE NUMBER MW-2

LOCATION 1650 65th STREET,
EMERYVILLE, CALIFORNIA

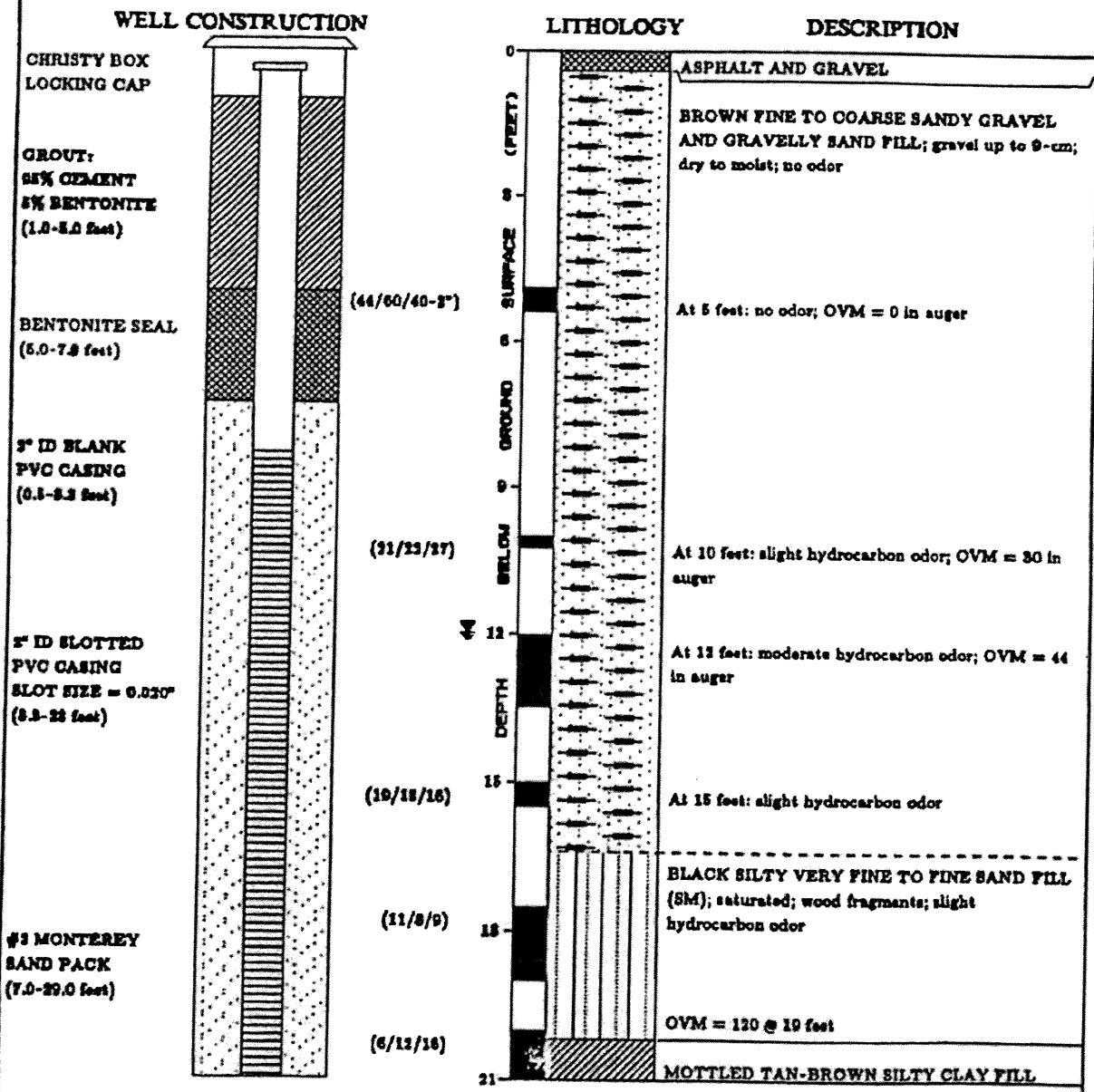
DRILLER ASE DRILLING, INC.

DATE 28 September 1980

DRILLING METHOD HOLLOW-STEM AUGER

GEOLOGIST M.L. PIERCE

HOLE DIAMETER 8-INCHES

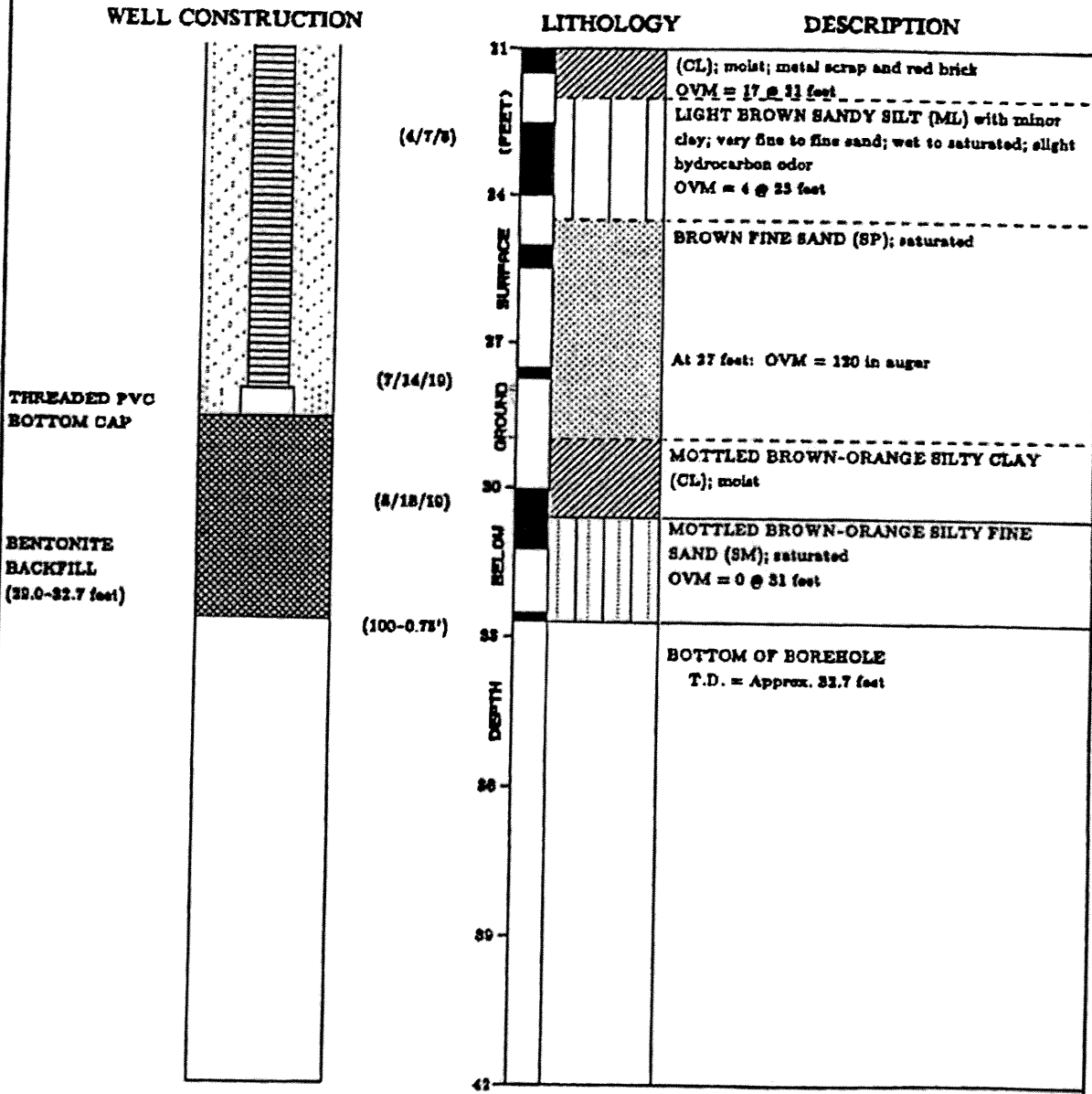


EXPLANATION
 Water level during drilling
 OVM Organic Vapor Meter Reading
 Contact (dashed where approximate)
 Location of sample

ES ENGINEERING - SCIENCE

CLIENT F.O. PARTNERS
 LOCATION 1850 65th STREET,
EMERYVILLE, CALIFORNIA
 DATE 28 September 1980
 GEOLOGIST M.L. PIERCE

TEST HOLE NUMBER MW-2
 DRILLER ASE DRILLING, INC.
 DRILLING METHOD HOLLOW-STEM AUGER
 HOLE DIAMETER 8-INCHES



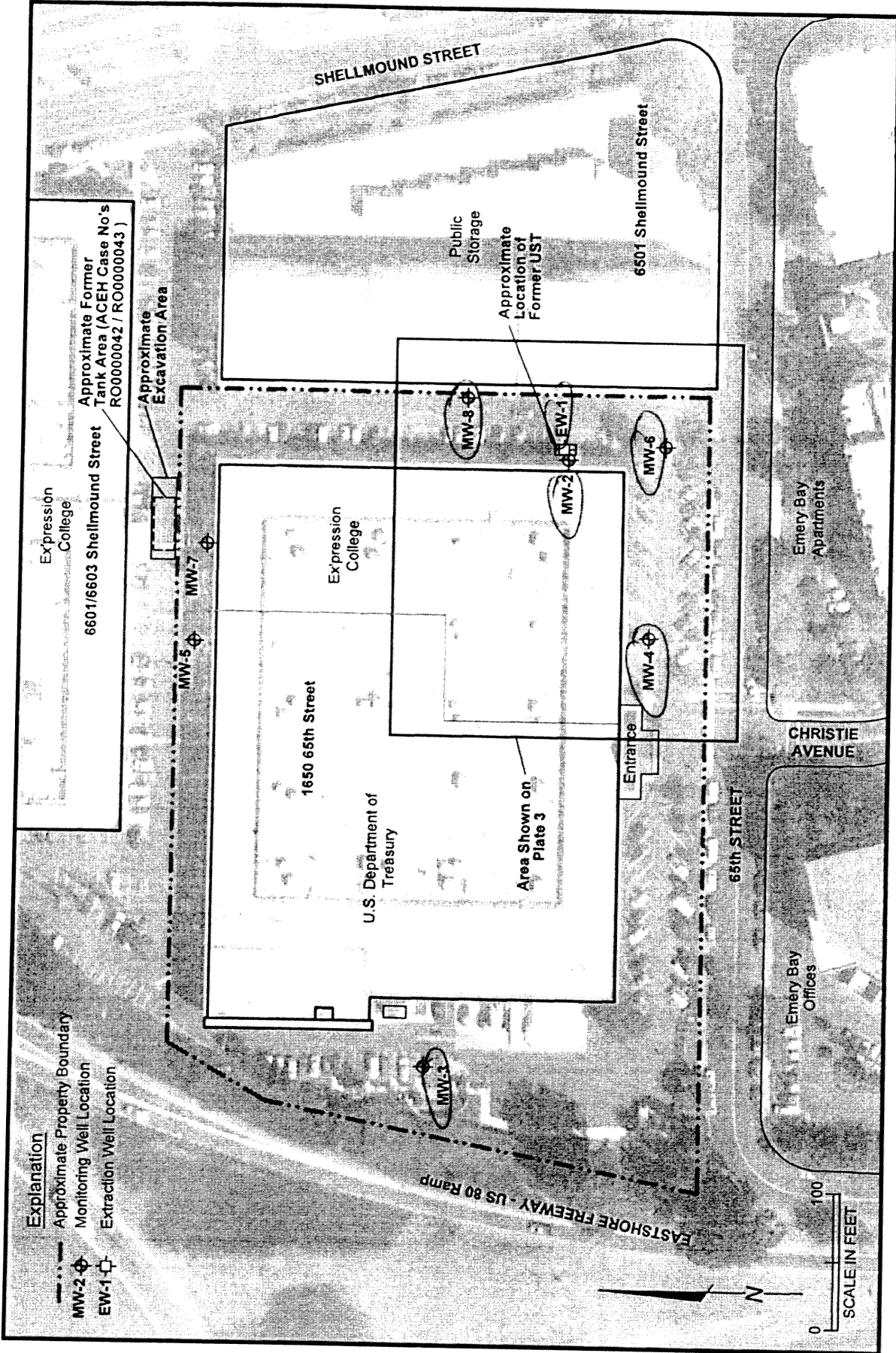


PLATE **2**

Site Plan
1650 65th Street
Emeryville, California



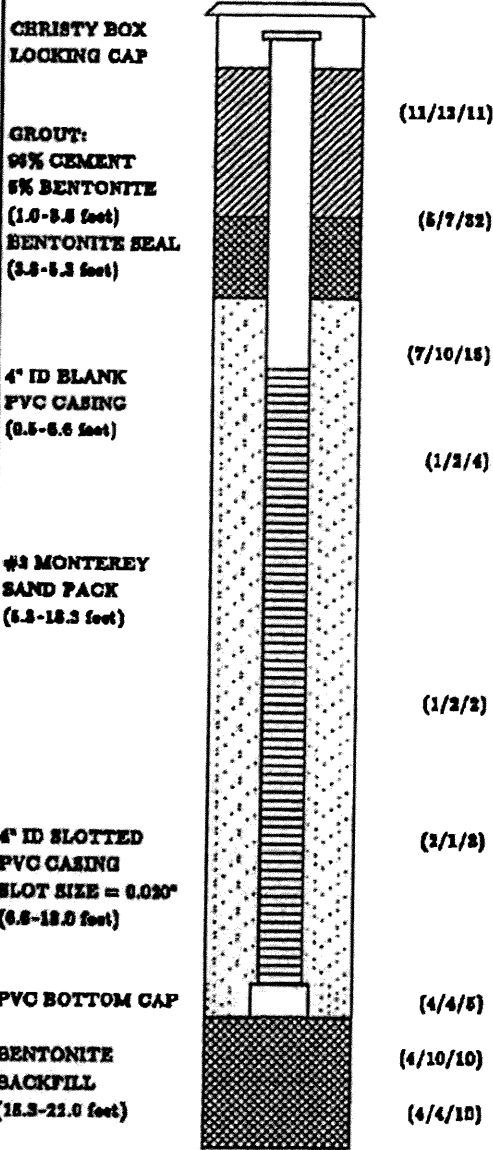
JOB NUMBER: 1211.001.03.001
DRAWING NUMBER: 121100103001_1-2
REVIEWED BY: **DRAFT**

DATE: 5/13

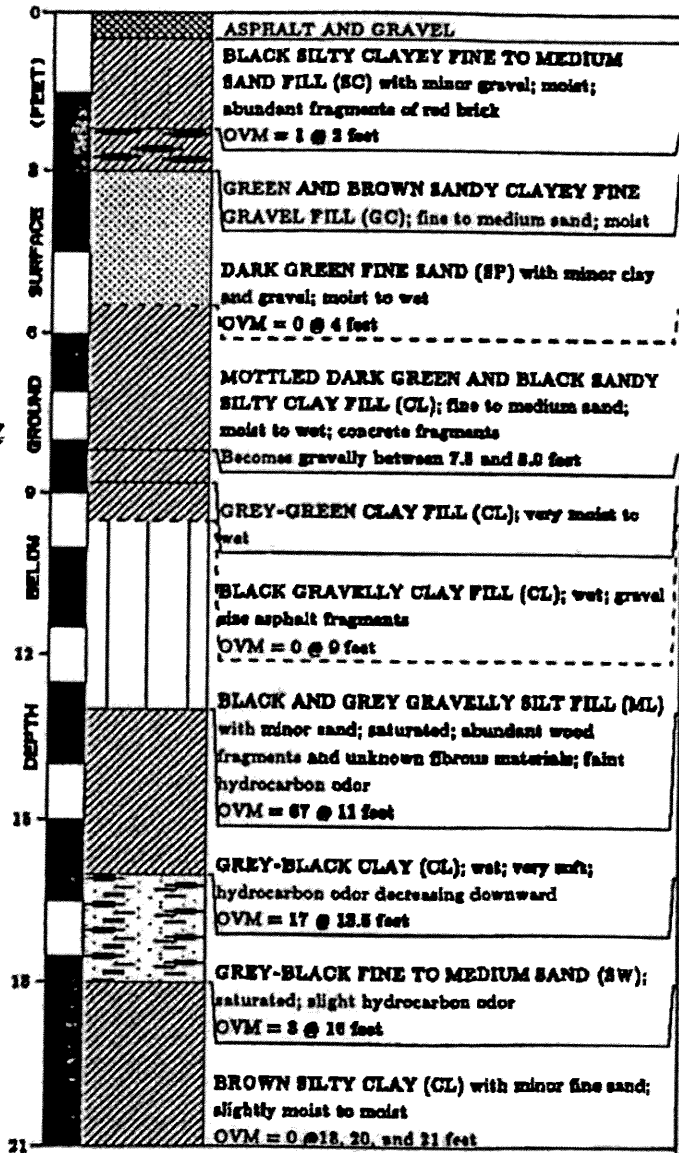
CLIENT P.O. PARTNERS
 LOCATION 1680 65th STREET,
 EMERYVILLE, CALIFORNIA
 DATE 14 November 1989
 GEOLOGIST M.L. PIERCE

TEST HOLE NUMBER MW-3
 DRILLER ASE DRILLING, INC.
 DRILLING METHOD HOLLOW-STEM AUGER
 HOLE DIAMETER 10.75-INCHES

WELL CONSTRUCTION



LITHOLOGY DESCRIPTION



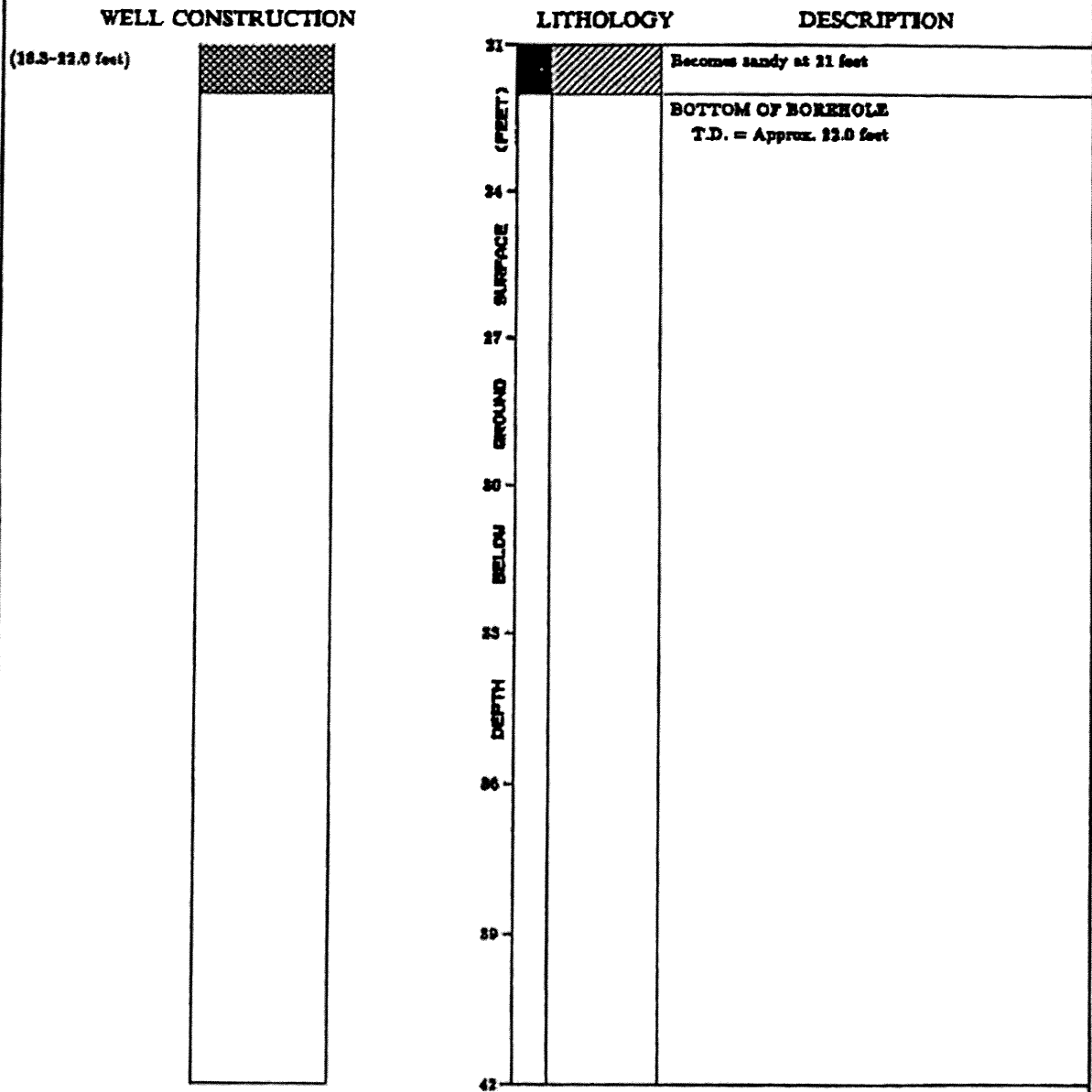
EXPLANATION

Water level during drilling
 OVM Organic Vapor Meter Reading

--- Contact (dashed where approximate)
 ■ Location of sample

ES ENGINEERING - SCIENCE

CLIENT	<u>F.O. PARTNERS</u>	TEST HOLE NUMBER	<u>MW-3</u>
LOCATION	<u>1650 66th STREET, EMERYVILLE, CALIFORNIA</u>	DRILLER	<u>ASE DRILLING, INC.</u>
DATE	<u>14 November 1989</u>	DRILLING METHOD	<u>HOLLOW-STEM AUGER</u>
GEOLOGIST	<u>M.L. PIERCE</u>	HOLE DIAMETER	<u>10.75-INCHES</u>



EXPLANATION

Water level during drilling	Contact (dashed where approximate)
Organic Vapor Meter Reading	Location of sample

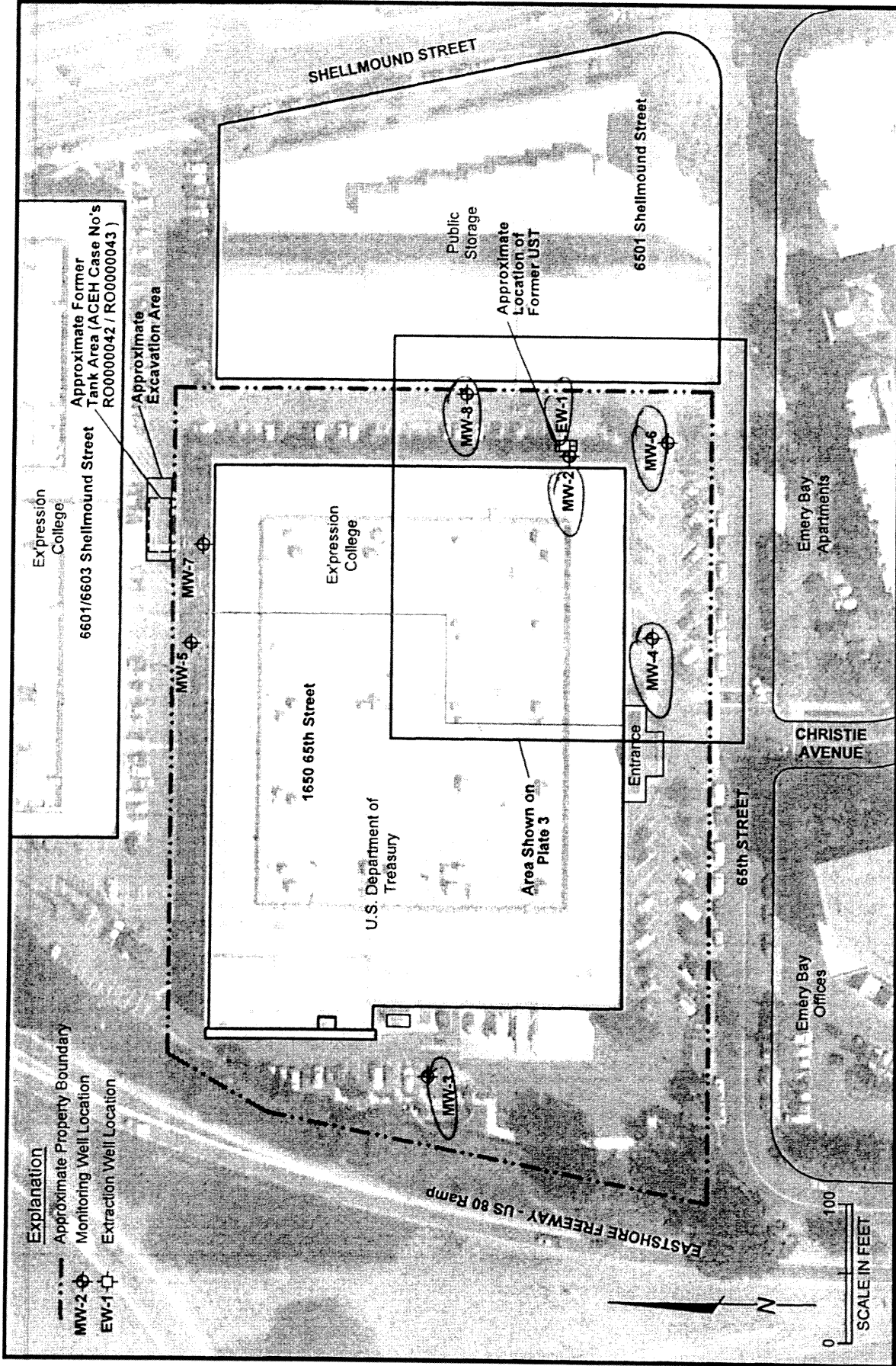


PLATE **2**

Site Plan
 1650 65th Street
 Emeryville, California

Well Completion Report

State of California

Refer to Instruction Pamphlet

No. **xxxxxxx**

DWR Use Only - Do Not Fill In

Page 1 of 1

Owner's Well Number MW-4

Date Work Began 11/3/2014 Date Work Ended 11/3/2014

Local Permit Agency Alameda County Public Works Agency

Permit Number 2014-0997 Permit Date 11/3/14

State Well Number/Site Number	
Latitude	Longitude
APN/TRS/Other	

Geologic Log

Orientation Vertical Horizontal Angle Specify _____
 Drilling Method Pressure Grout Drilling Fluid N/A

Depth from Surface	Description
Feet to Feet	Describe material, grain size, color, etc
	See attached boring log for lithologic description.
	Well destroyed in-place by pressure grouting with neat cement grout.

Total Depth of Boring 19 Feet

Total Depth of Completed Well 19 Feet

Well Owner

Name Griffin Corporation Capital
 Mailing Address 1520 Grand Ave
 City El Segundo State CA Zip 90245

Well Location

Address 1650 65th St
 City Emeryville County Alameda
 Latitude _____ N Longitude _____ W
 Datum _____ Dec. Lat. _____ Dec. Long. _____
 APN Book 49 Page 1470 Parcel 7
 Township _____ Range _____ Section _____

Location Sketch

(Sketch must be drawn by hand after form is printed.)

North

West

East

South

Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Activity

- New Well
- Modification/Repair
 - Deepen
 - Other _____
- Destroy

Describe procedures and materials under 'GEOLOGIC LOG'

Planned Uses

- Water Supply
 - Domestic Public
 - Irrigation Industrial
- Cathodic Protection
- Dewatering
- Heat Exchange
- Injection
- Monitoring
- Remediation
- Sparging
- Test Well
- Vapor Extraction
- Other _____

Water Level and Yield of Completed Well

Depth to first water _____ (Feet below surface)
 Depth to Static _____
 Water Level _____ (Feet) Date Measured _____
 Estimated Yield * _____ (GPM) Test Type _____
 Test Length _____ (Hours) Total Drawdown _____ (Feet)
 *May not be representative of a well's long term yield.

Casings

Depth from Surface	Borehole Diameter	Type	Material	Wall Thickness	Outside Diameter	Screen Type	Slot Size if Any
Feet to Feet	(Inches)			(Inches)	(Inches)		(Inches)
See Attached							

Annular Material

Depth from Surface	Fill	Description
Feet to Feet		
See Attached		

Attachments

- Geologic Log
 - Well Construction Diagram
 - Geophysical Log(s)
 - Soil/Water Chemical Analyses
 - Other Site Map
- Attach additional information, if it exists.

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief.

Name PeneCore Drilling
 Person, Firm or Corporation
220 N. East St Woodland CA 95770
 Address City State Zip
 Signed _____ Date Signed 11/2/14 C-57 License Number 906899
 C-57 Licensed Water Well Contractor

CLIENT P.O. PARTNERS

TEST HOLE NUMBER MW-4

LOCATION 1650 66th STREET,
EMERYVILLE, CALIFORNIA

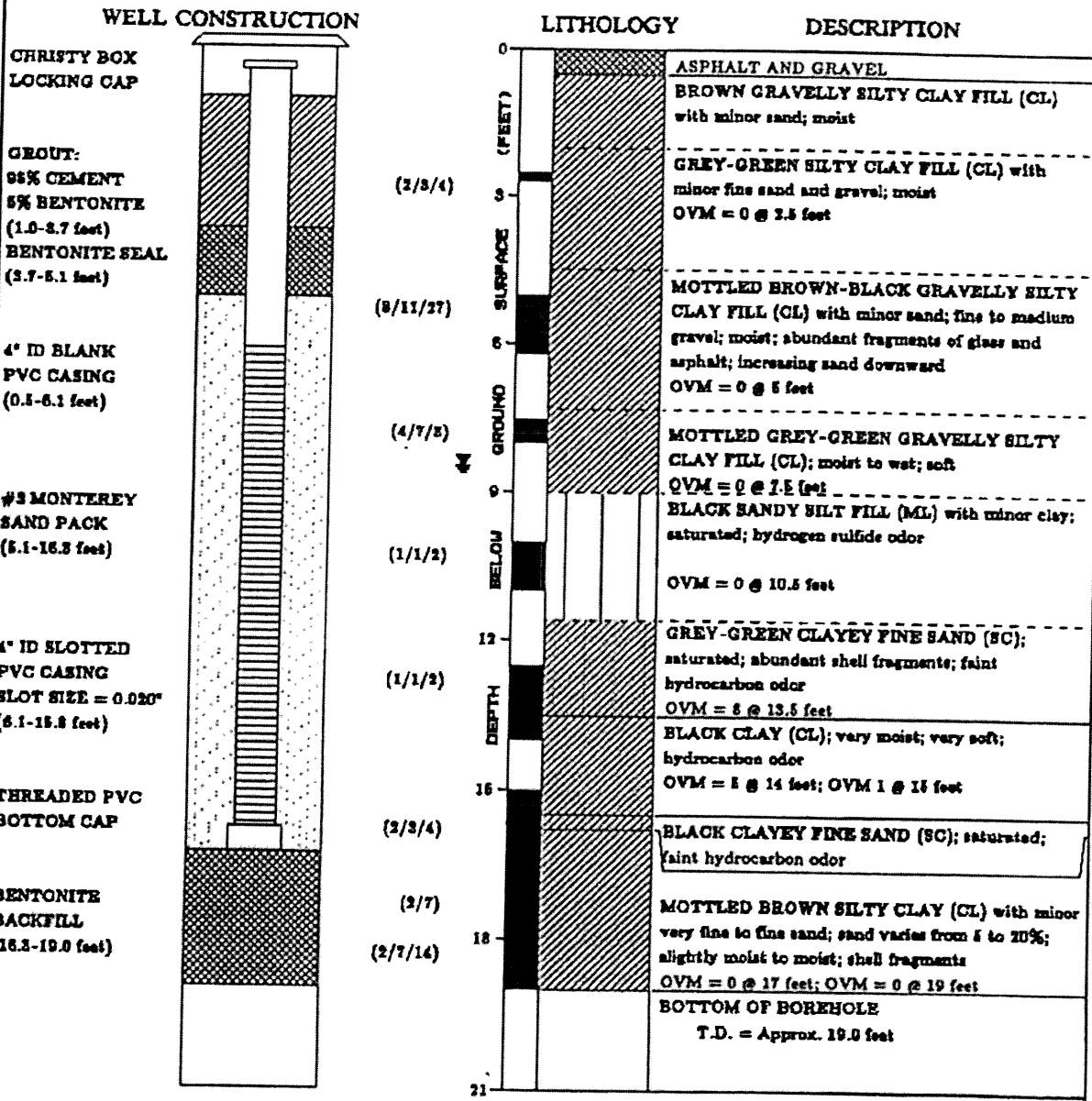
DRILLER ASE DRILLING, INC.

DATE 15 November 1989

DRILLING METHOD HOLLOW-STEM AUGER

GEOLOGIST M.L. FIERCE

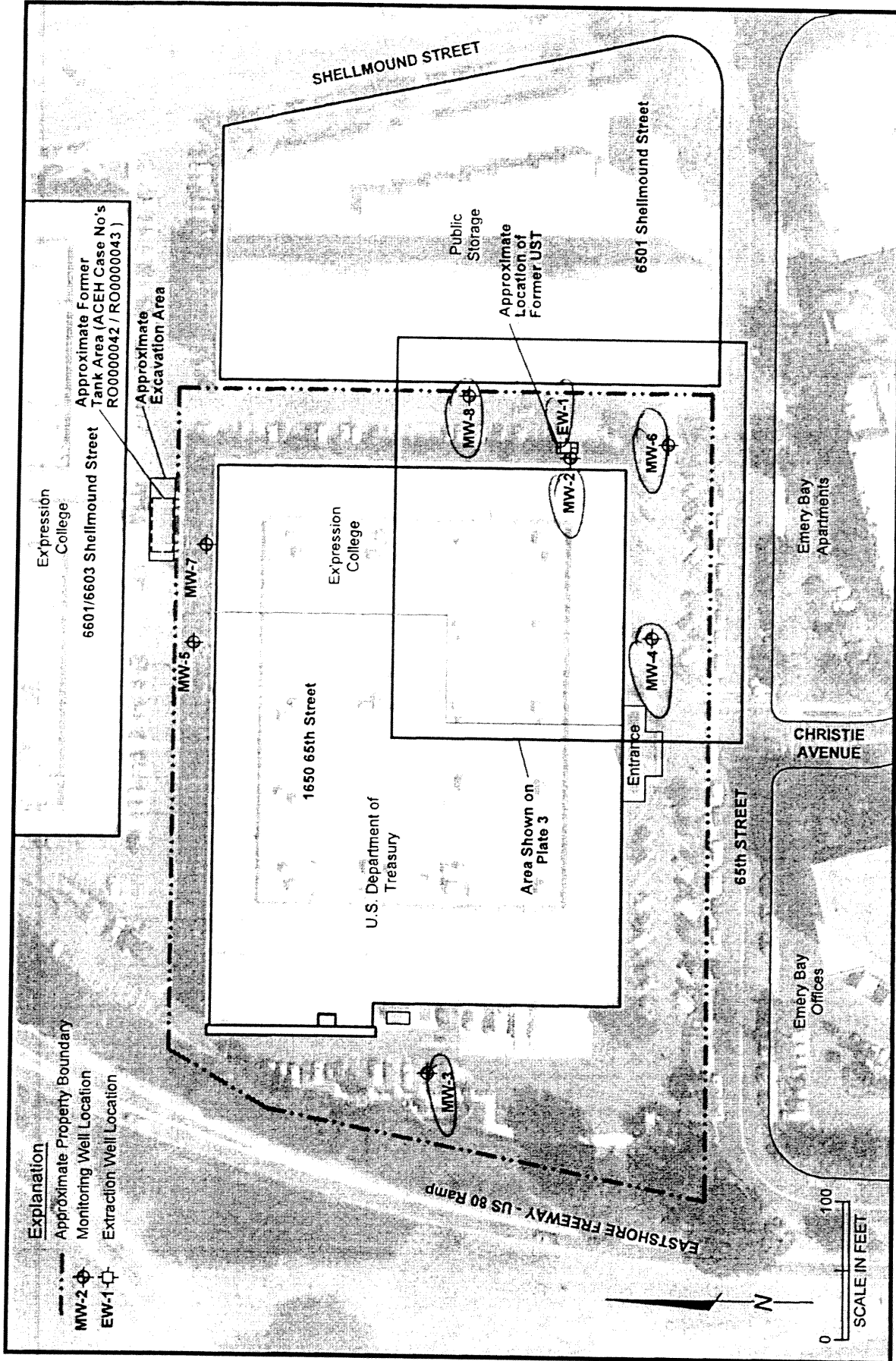
HOLE DIAMETER 10.75-INCHES



EXPLANATION

∇ Water level during drilling
OVM Organic Vapor Meter Reading

--- Contact (dashed where approximate)
■ Location of sample



Site Plan
 1650 65th Street
 Emeryville, California



Owner's Well Number MW-6

Date Work Began 11/3/14 Date Work Ended 11/3/14

Local Permit Agency Alameda County Public Works Agency

Permit Number W2014-0998 Permit Date 11/3/14

State of California

Well Completion Report

Refer to Instruction Pamphlet

No. xxxxxxx

DWR Use Only - Do Not Fill In

State Well Number/Site Number

Latitude N Longitude W

APN/TRS/Other

Geologic Log

Orientation Vertical Horizontal Angle Specify _____

Drilling Method Pressure Grout Drilling Fluid N/A

Depth from Surface Description

Feet to Feet Describe material, grain size, color, etc

See attached boring log for lithologic description.

Well destroyed in-place by pressure grouting with neat cement grout.

Well Owner

Name Griffin Capital Corporation

Mailing Address 1520 Grand Ave

City El Segundo State CA Zip 90245

Well Location

Address 1650 65th St.

City Emeryville County Alameda

Latitude _____ N Longitude _____ W

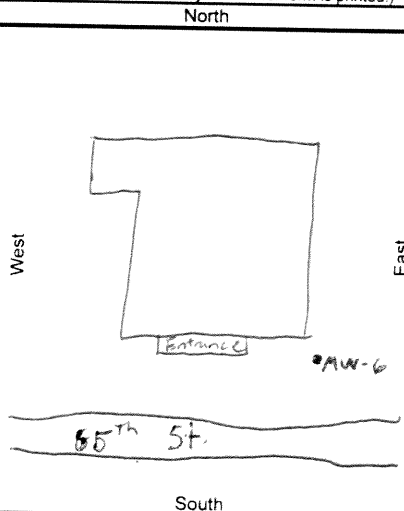
Datum _____ Dec. Lat. _____ Dec. Long. _____

APN Book 49 Page 1490 Parcel 4

Township _____ Range _____ Section _____

Location Sketch

(Sketch must be drawn by hand after form is printed.)



Illustrate or describe distance of well from roads, buildings, fences, rivers, etc. and attach a map. Use additional paper if necessary. Please be accurate and complete.

Activity

- New Well
 - Modification/Repair
 - Deepen
 - Other _____
 - Destroy
- Describe procedures and materials under 'GEOLOGIC LOG'

Planned Uses

- Water Supply
 - Domestic Public
 - Irrigation Industrial
- Cathodic Protection
- Dewatering
- Heat Exchange
- Injection
- Monitoring
- Remediation
- Sparging
- Test Well
- Vapor Extraction
- Other _____

Total Depth of Boring 21.5 Feet

Total Depth of Completed Well 21.5 Feet

Water Level and Yield of Completed Well

Depth to first water _____ (Feet below surface)

Depth to Static _____

Water Level _____ (Feet) Date Measured _____

Estimated Yield * _____ (GPM) Test Type _____

Test Length _____ (Hours) Total Drawdown _____ (Feet)

*May not be representative of a well's long term yield.

Casings

Depth from Surface Feet to Feet	Borehole Diameter (Inches)	Type	Material	Wall Thickness (Inches)	Outside Diameter (Inches)	Screen Type	Slot Size if Any (Inches)
See Attached							

Annular Material

Depth from Surface Feet to Feet	Fill	Description
See Attached		

Attachments

- Geologic Log
- Well Construction Diagram
- Geophysical Log(s)
- Soil/Water Chemical Analyses
- Other Site Map

Certification Statement

I, the undersigned, certify that this report is complete and accurate to the best of my knowledge and belief

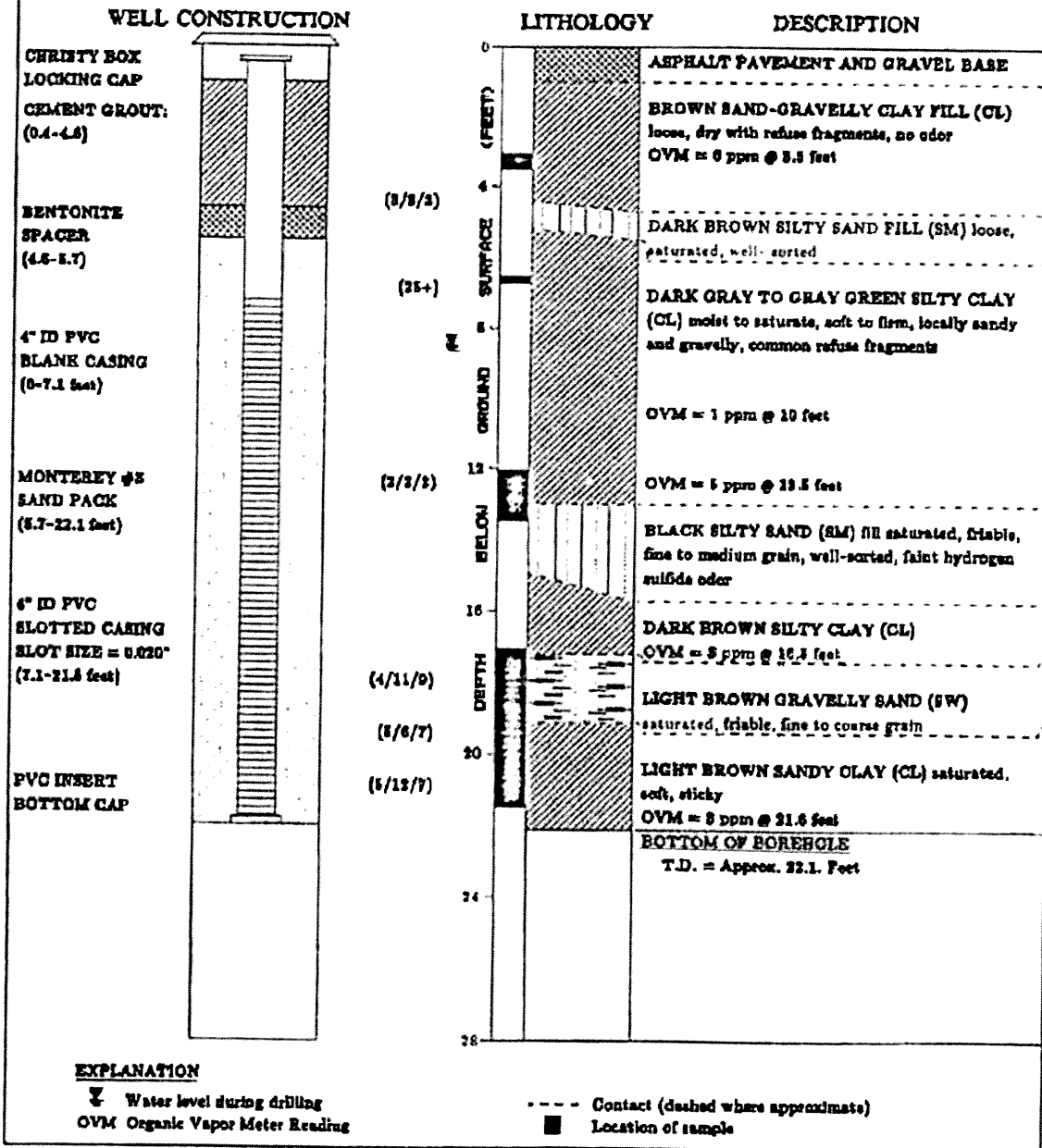
Name Rene Core Drilling
Person, Firm or Corporation

220 N. East St. Woodland CA 95770
Address City State Zip

Signed _____ Date Signed 11/2/14 C-57 License Number 906899
C-57 Licensed Water Well Contractor

CLIENT P.O. PARTNERS
 LOCATION 1080 85th STREET,
EMERYVILLE, CALIFORNIA
 DATE 27 March 1990
 GEOLOGIST P.F. BERTUCCI, R.G.

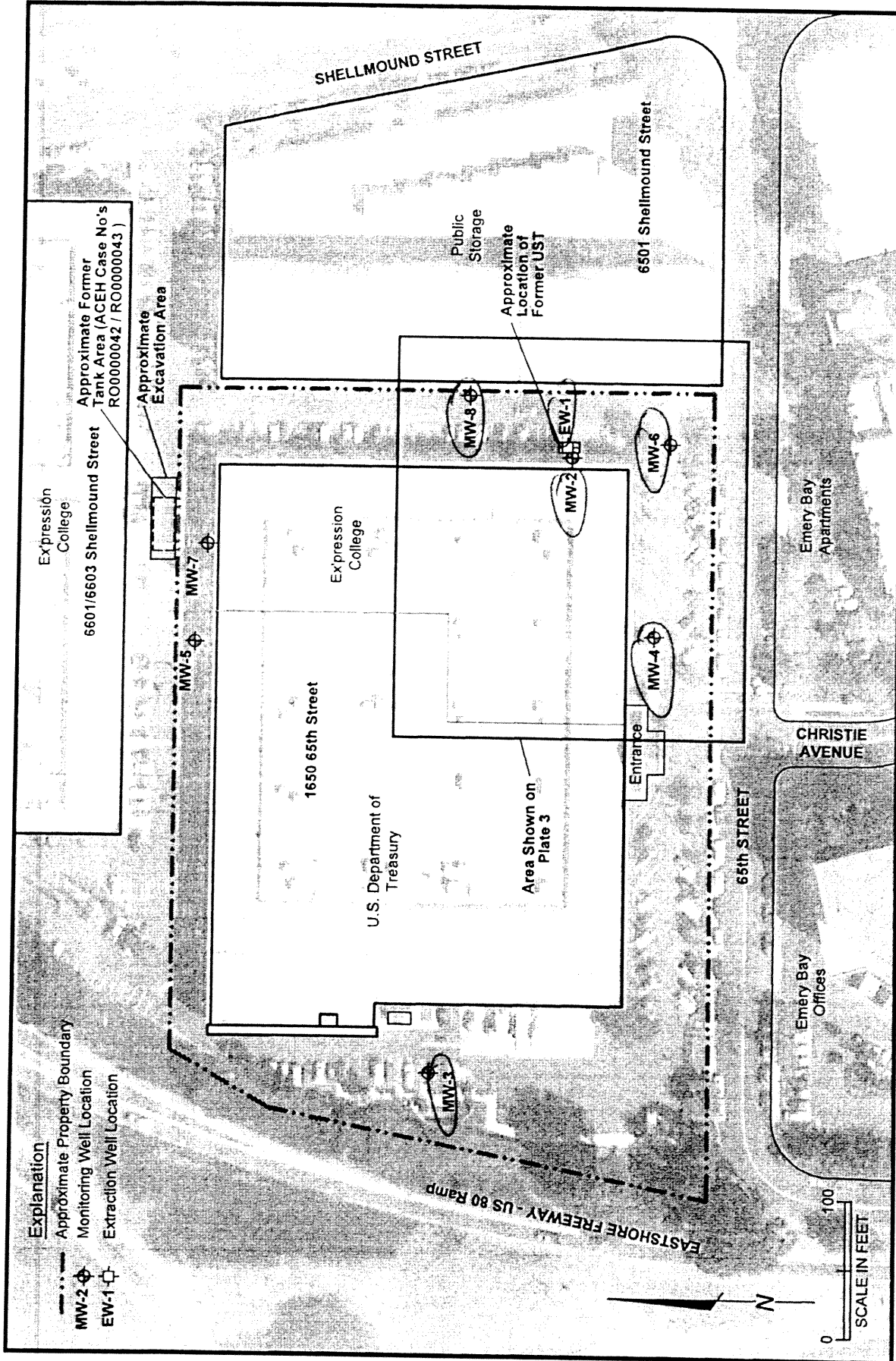
TEST HOLE NUMBER MW-6
 DRILLER ASE DRILLING, INC.
 DRILLING METHOD HOLLOW-STEM AUGER
 HOLE DIAMETER 10.75-INCHES



EXPLANATION

Water level during drilling
 Organic Vapor Meter Reading

Contact (dashed where approximate)
 Location of sample



PLATE

2

Site Plan
 1650 65th Street
 Emeryville, California

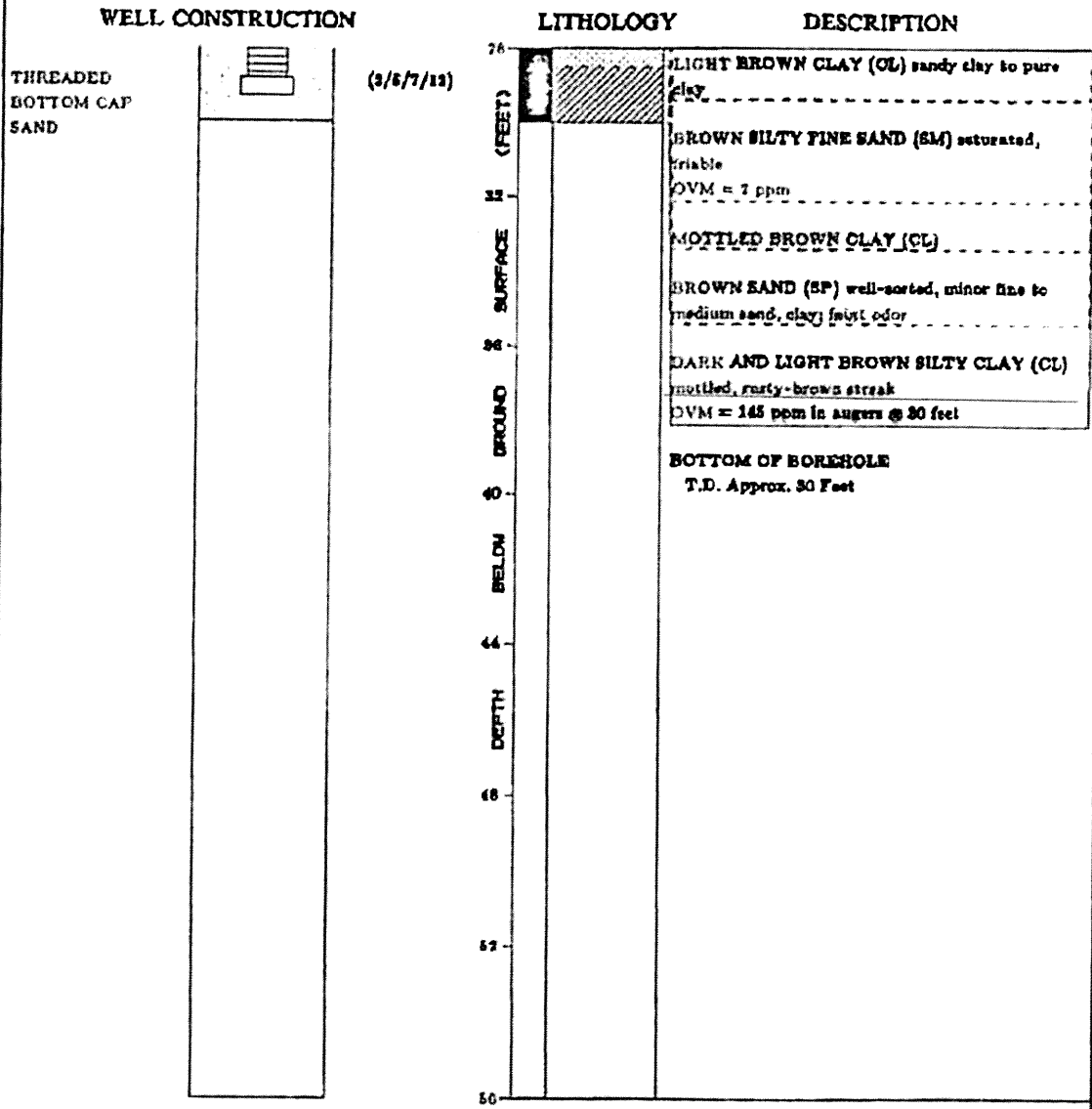
5/13
 DATE



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1211.001.03.001 121100103001_1-2
 JOB NUMBER DRAWING NUMBER

CLIENT P.O. PARTNERS TEST HOLE NUMBER EW-1
 LOCATION 1880 85th STREET, EMERYVILLE, CALIFORNIA DRILLER ABE DRILLING, INC.
 DATE 28 March 1990 DRILLING METHOD HOLLOW-STEM AUGER
 GEOLOGIST P.F. BERTUCCI, R.G. HOLE DIAMETER 10.75-INCHES



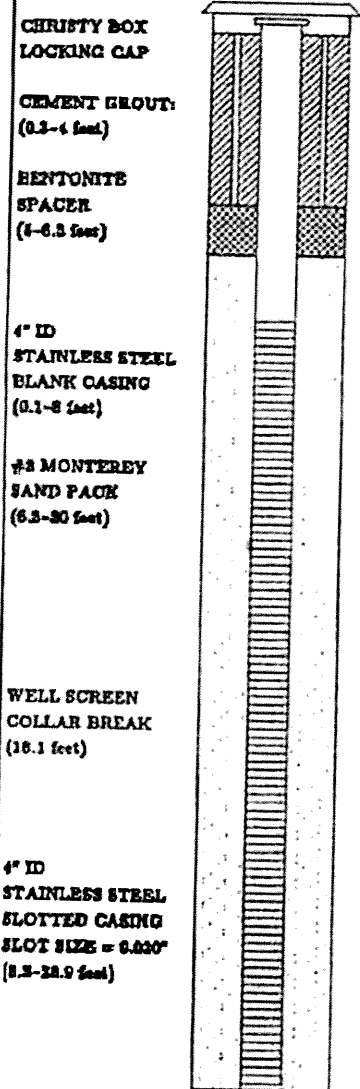
EXPLANATION

- ☒ Water level during drilling
- OVM Organic Vapor Meter Reading
- Contact (dashed where approximate)
- Location of sample

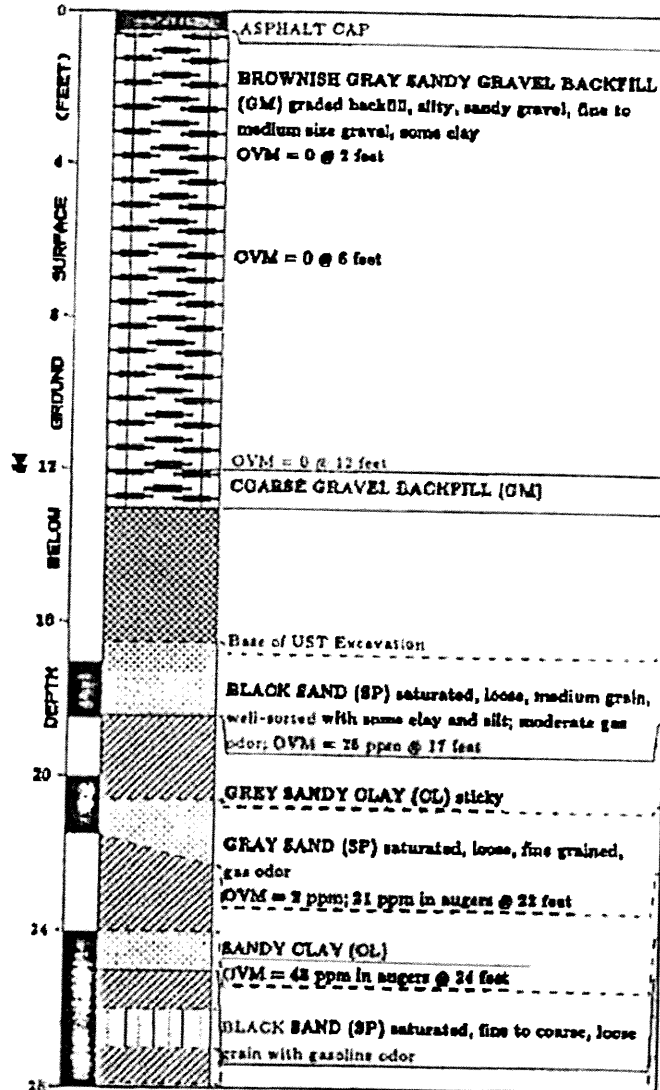
CLIENT P.O. PARTNERS
 LOCATION 1650 65th STREET,
EMERYVILLE, CALIFORNIA
 DATE 28 March 1990
 GEOLOGIST P.F. BERTUCCI, R.G.

TEST HOLE NUMBER EW-1
 DRILLER ASE DRILLING, INC.
 DRILLING METHOD HOLLOW-STEM AUGER
 HOLE DIAMETER 10.75-INCHES

WELL CONSTRUCTION

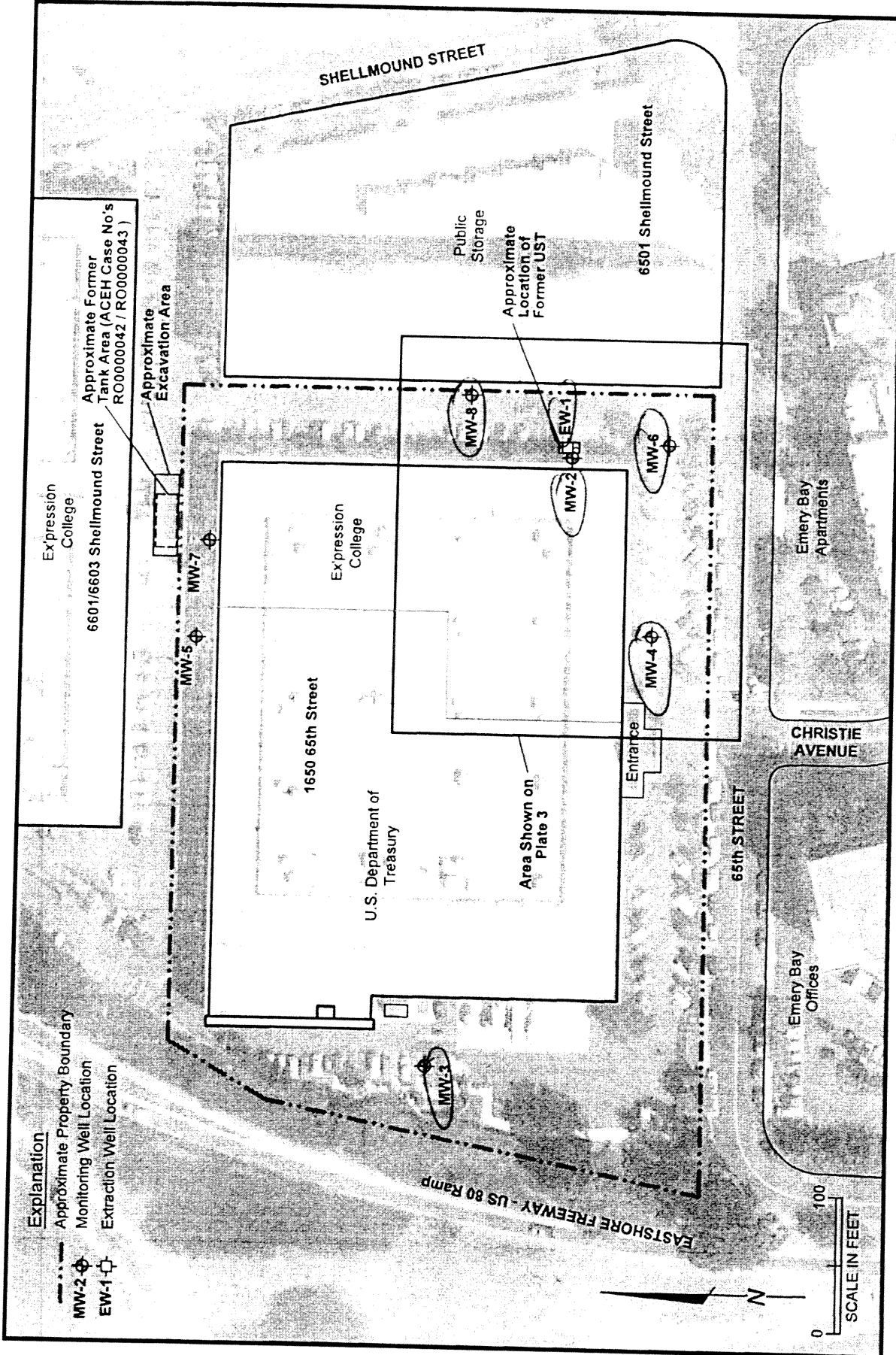


LITHOLOGY DESCRIPTION



EXPLANATION

- ▼ Water level during drilling
- OVM Organic Vapor Meter Reading
- Contact (dashed where approximate)
- Location of sample





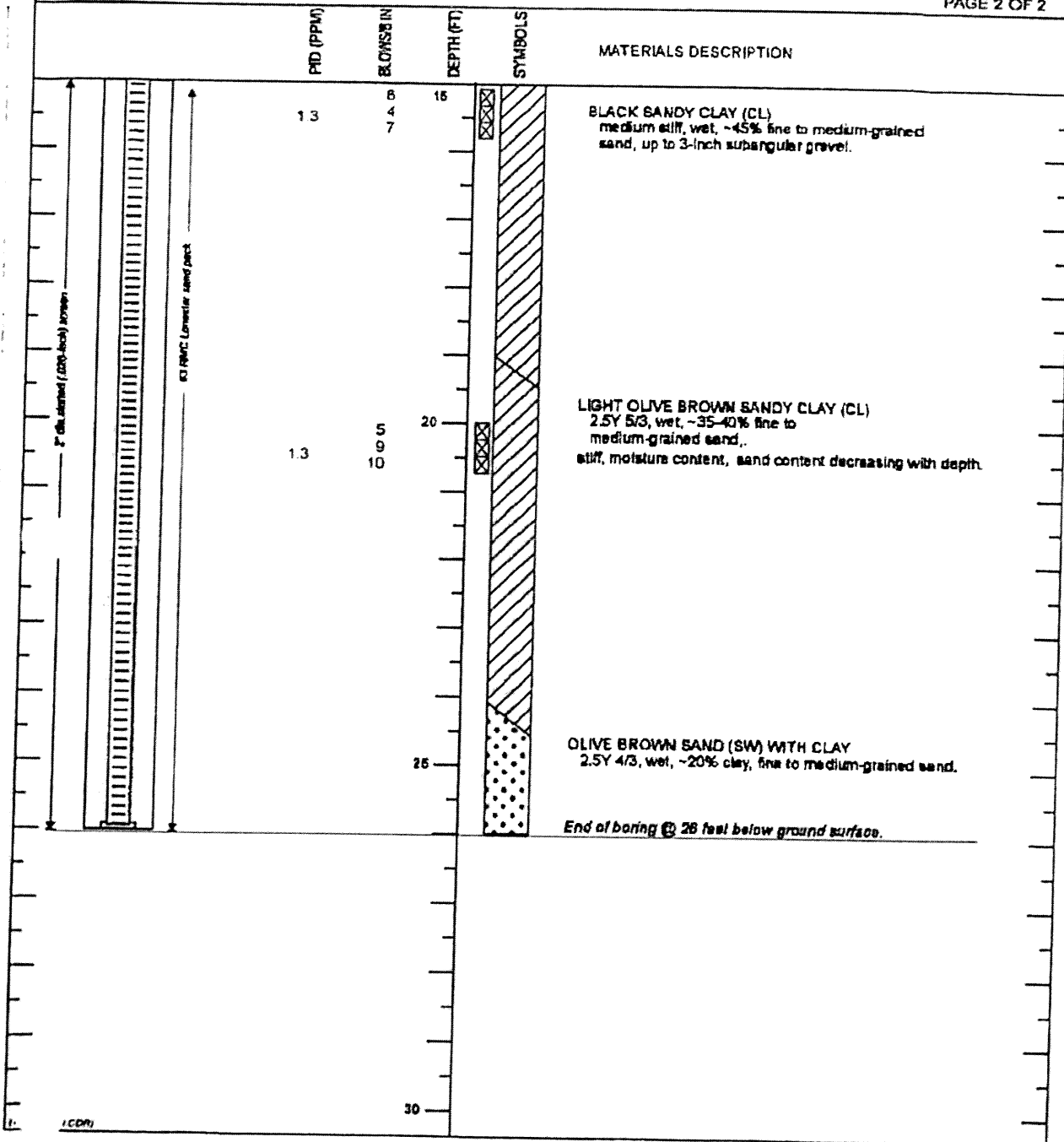
WELL CONSTRUCTION DETAIL	PID (PPM)	BLOWS/6 IN	DEPTH (FT)	SYMBOLS	MATERIALS DESCRIPTION
Christy Box 					
		4	5		ASPHALT BROWNISH YELLOW SAND (SW) 10YR 6/8, damp, fine-grained to medium-grained sand.
		6			VERY DARK GRAYISH BROWN SANDY CLAY (CL) 10YR 3/2, damp, ~25% sand, ~15% subangular, 1/4 to 1-inch gravel.
	1.0	4	6		GREENISH GRAY SANDY CLAY (CL) WITH GRAVEL 5G 5/1, moist, ~20% fine to medium-grained sand, ~5% subangular up to 2-inch gravel, hydrocarbon odor.
	1.0	4	10		VERY DARK GRAYISH BROWN SANDY CLAY (CL) 2.5Y 3/2, medium stiff, moist, 25-30% fine to medium-grained sand, hydrocarbon odor.
	17	4	10		BLACK SANDY CLAY (CL) 2.5y 2.5/1, medium stiff, wet, ~50% fine to medium-grained sand, hydrocarbon odor.
		5			
		6			
			15		

(Continued)

CLIENT P.O. Partners
 LOCATION Emeryville, California
 JOB NUMBER 131.0100.005
 GEOLOGIST/ENGINEER Brian Smith
 DRILL RIG Mobile Drill B-53

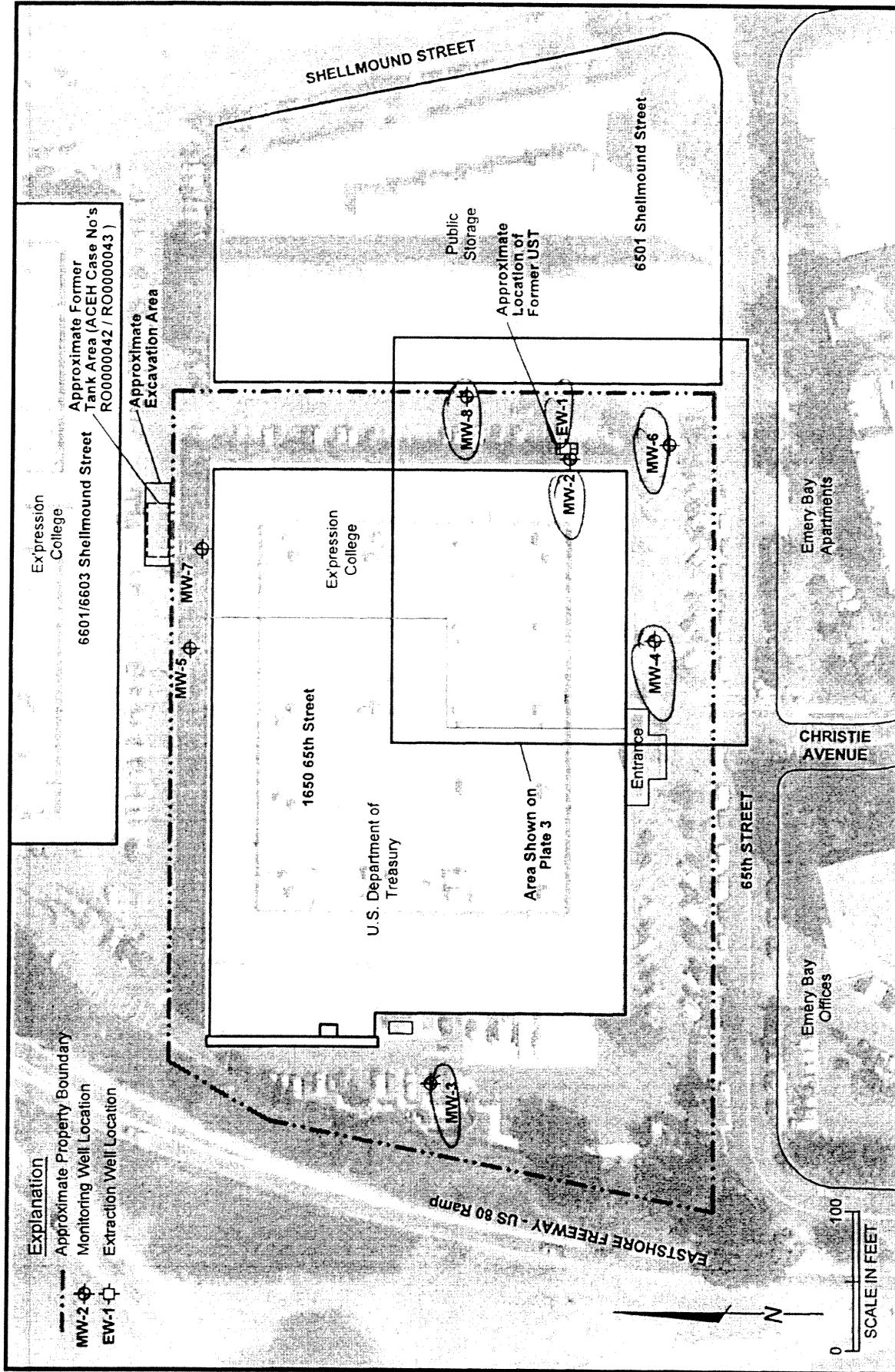
DIAMETER OF HOLE 8 inches
 TOTAL DEPTH OF HOLE 26 feet bgs
 TOP OF CASING ELEVATION 0 feet bgs
 DATE STARTED 9/22/94
 DATE COMPLETED 9/22/94

PLATE
A-2a



CLIENT	P.O. Partners	DIAMETER OF HOLE	9 inches
LOCATION	Emeryville, California	TOTAL DEPTH OF HOLE	26 feet bgs
JOB NUMBER	131.0100.005	TOP OF CASING ELEVATION	0 feet bgs
GEOLOGIST/ENGINEER	Brian Smith	DATE STARTED	9/22/94
DRILL RIG	Mobile Drill B-53	DATE COMPLETED	9/22/94

PLATE
A-2b



Explanation

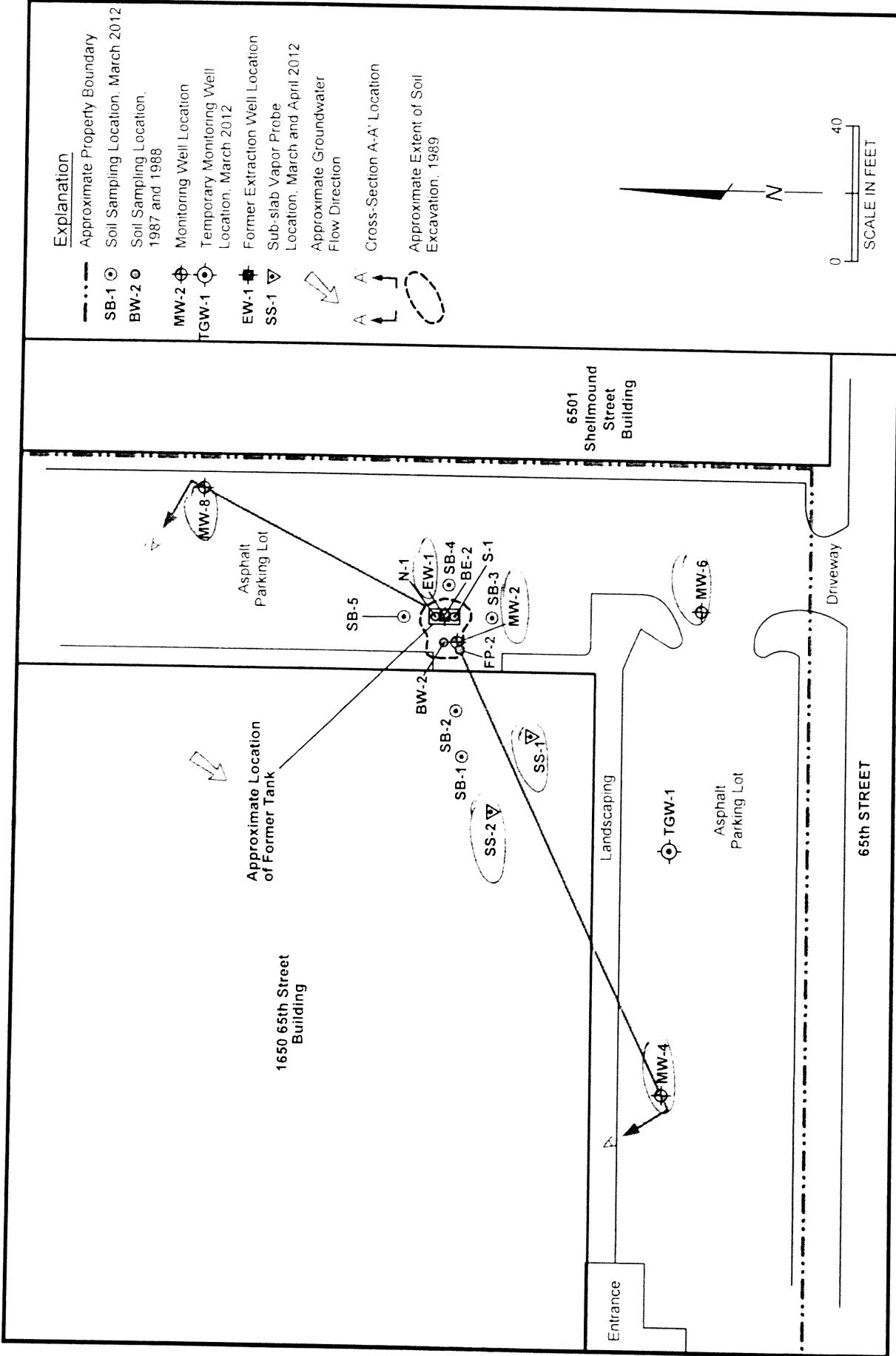
- Approximate Property Boundary
- MW-2 Monitoring Well Location
- EW-1 Extraction Well Location

Site Plan
 1650 65th Street
 Emeryville, California

PES Environmental, Inc.
 Engineering & Environmental Services

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 JOB NUMBER DRAWING NUMBER DATE



Explanation

- Approximate Property Boundary
- SB-1 Soil Sampling Location, March 2012
- BW-2 Soil Sampling Location, 1987 and 1988
- MW-2 Monitoring Well Location
- TGW-1 Temporary Monitoring Well Location, March 2012
- EW-1 Former Extraction Well Location
- SS-1 Sub-slab Vapor Probe Location, March and April 2012
- ↖ Approximate Groundwater Flow Direction
- A-A Cross-Section A-A' Location
- Approximate Extent of Soil Excavation, 1989



Detail Map with Cross Section Location
 1650 65th Street
 Emeryville, California

PLATE

3

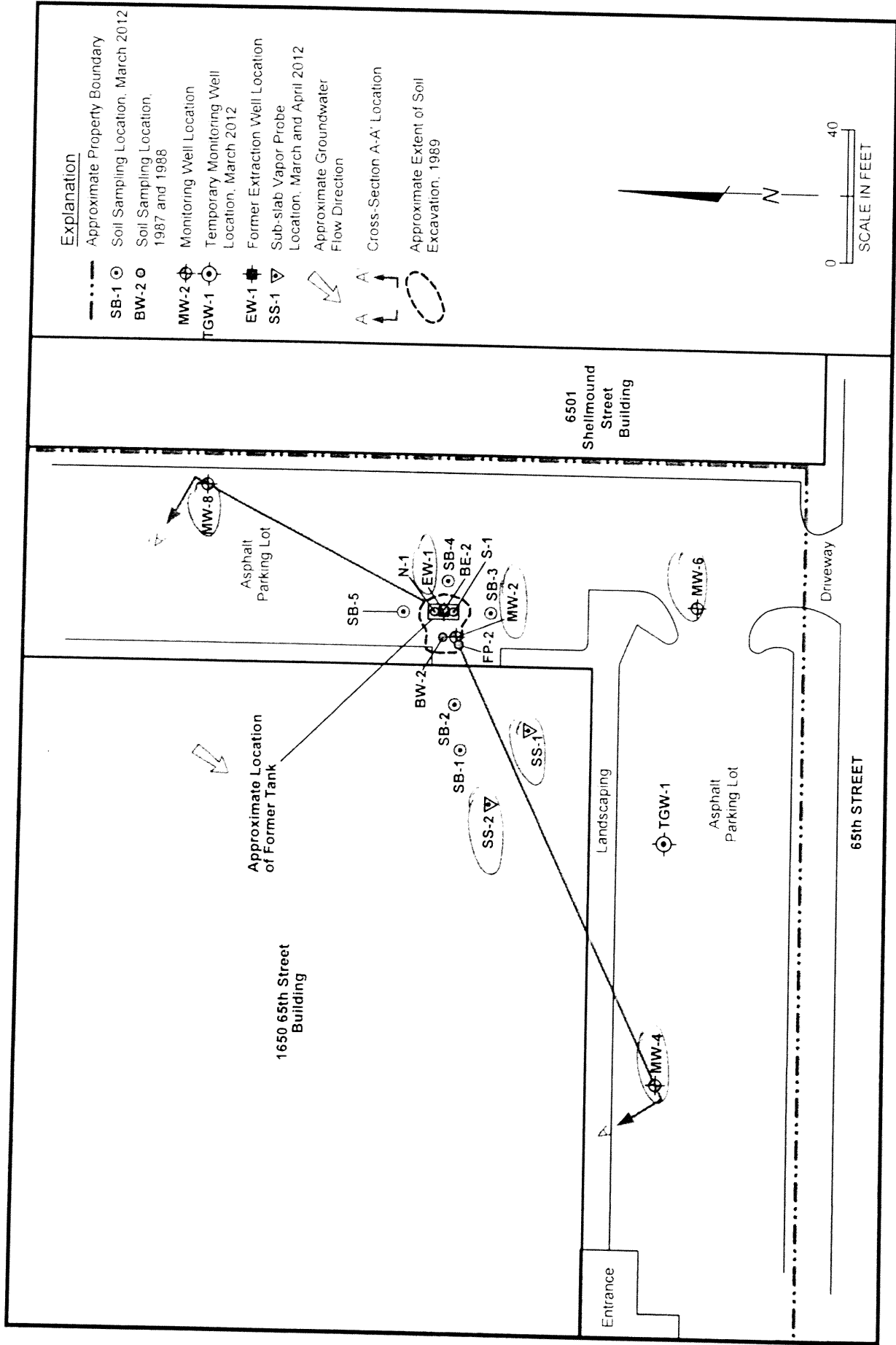
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JOB NUMBER DRAWING NUMBER REVIEWED BY

5/13

DATE



Detail Map with Cross Section Location
 1650 65th Street
 Emeryville, California

PLATE **3**