hydrologue, Inc.
Consulting Engineers & Geologists *http://www.hydrologue.com*

Remediation Engineering *Hazardous Substances* *Geology and Hydrogeology* *Geotechnical Engineering*

November 20, 2007

Project No. 3034-02

RECEIVED

2:09 pm, Nov 21, 2007

Alameda County
Environmental Health

Mr. Steven Plunkett
Hazardous Materials Specialist
Alameda County Environmental Health Services-Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

RE: Destruction of Groundwater Monitoring Wells MW-1 through MW-3 and Observation Well OW-1, AT&T (formerly SBC Communication CTVYCA60 (P5200)) Facility Site, 2610 Norbridge Avenue, Castro Valley, CA 94546

Dear Mr. Plunkett:

Hydrologue, Inc. (HI), on behalf of AT&T Services, Inc. formerly (SBC Communications), hereby submits this report documenting the well destruction activities at the above Site for your files. The well destruction activities took place to comply with the closure requirements contained in the Alameda County Environmental Health (ACEH) letter to the AT&T Services dated September 18, 2007 and well destruction permit issued by Alameda County Public Works Agency on October 23, 2007 (see attachments).

WELL DESTRUCTION PROCEDURES

Well destruction permits for three groundwater monitoring wells (MW-1 through MW-3) and observation well (OW-1) associated with the Site were obtained from Alameda County Public Works Agency-Water Resources (see attachments).

WELL DESTRUCTION PROCEDURES

Well destruction was initiated on October 30, 2007 under the direct supervision of a Hydrologue California Registered Geologist. Woodward Drilling Co. of Rio Vista C-57 licensed (C-57 # 710079) well driller, completed the well destruction work under contract to HI. All field work was completed the same day.

The three groundwater monitoring wells MW-1, MW-2 and MW-3 and one observation well OW-1 located in the courtyard of AT&T Services-Castro Valley were abandoned by:

- Cleaning out any materials within the wells;
- Measuring the wells depth;
- Removing well box;
- Pressure grouting to the bottom of the well under 25 psi pressure for 5 minutes using Portland cement-94# sack to three feet below surface grade;
- Filling the top 5 feet with hydrated bentonite chips;

- After the seal set, backfilling the hole with neat cement and dry cement to make well tops firm;
- Patching the surface with concrete after the seal had set.

The installation date of observation well OW-1 is unknown, OW-1 was measured to a depth of 9 feet bgs during well destruction activities.

The concrete was used to patch the ground surface pending further restoration of the Site surface. Approximately 3.0 Cubic feet of Portland cement-94# sack (5 bags) were used to pressure grout all four wells. Approximately 6 bags (60 lbs per bag) of concrete-Quickrete were used to seal and patch the surface of the wells. Each well was pressure grouted and sealed under the supervision of a HI geologist. Vicky Hamlin from Public Work Agency of Alameda County oversaw the finished well destruction activities.

All wastes (well casing, cement slurry, etc.) generated during well destruction activities were stored and sealed in 55-gallon steel drums meeting DOT standards for hazardous material transport and were subsequently stored at the Site. Each drum was labeled with waste type, date of waste generation, site, project name and number, and name and phone number of the Client Project Manager. Hydrologue, Inc. will arrange for the appropriate disposal of the wastes.

CONCLUSION

On October 30, 2007, all on-Site groundwater monitoring wells MW-1, MW-2, MW-3 and observation well OW-1 located at AT&T Facility were abandoned by pressure grouting, removing the top of the well casings and sealing them to three feet below ground surface, and patching at the surface using concrete. At this time, no monitoring or observation wells remain at the Site.

LIMITATION

HI has prepared this report for the exclusive use of AT&T only. All work has been conducted in accordance with generally accepted practices in the fields of environmental engineering, geology, and hydrogeology that exist in this or similar localities at this time. No other warranty, either expressed or implied, is made.

Sincerely,
HYDROLOGUE, INC.

Seyed Morteza Mortazavi, Ph.D.
Principal Hydrogeologist/Engineer
C.HG. No. 516
R.G. No. 5326

Attachments: Figures I and 2
Alameda County Environmental Health Service letter dated September 18, 2007
Well Destruction Permit
Boring Logs
Well Developing Log for MW-1
Construction Detail of Groundwater Monitoring Wells MW-1 through MW-3
DWR 188

cc: SMITH, MARK (ATTSI)

REPORTING REQUIREMENTS

This report entitled Destruction of Groundwater Monitoring Wells (MW-1 to MW-3) and observation well OW-1, AT&T (formerly SBC Communication CTVYCA60 (P5200)) Facility Site, 2610 Norbridge Avenue, Castro Valley, CA 94546, dated November 20, 2007 will be submitted by HI on behalf of the AT&T to the following agencies.

Mr. Steven Plunkett Hazardous Materials Specialist Alameda County Environmental Health Services-Environmental Protection 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577	Mr. James Yoo Alameda County Public Works Agency- Water Resource 399 Elmhurst Street Hayward, CA 94544-1395

Any questions regarding this report should be directed to the following:

CLIENT CONTACT	CONSULTANT CONTACT
Mr. Mark Smith, P.G. Environmental Manager AT&T Services, Inc. 308 South Akard, Room 1700 Three AT&T Plaza Dallas, Texas 75202-5399 Tel: (214) 464-5226	Seyed Mortazavi, CHG. Principal Hydrogeologist hydrologue Inc. 2793 E. Foothill Blvd. Pasadena, CA 91107 Tel: 626-585-9696 Fax: 626-585-0046

Z:\REPORTS\SBC\Castrova\well destruction\Well Destruction doc

ATTACHMENTS

(C) 2001 Thomas Bros Map.

CLIENT	at&t
LOCATION	2610 NORBRIDGE AVE CASTRO VALLEY, CA 94546
TITLE	SITE LOCATION MAP
FIGURE NUMBER	1
PROJECT	3034-02

hydrologue, Inc.
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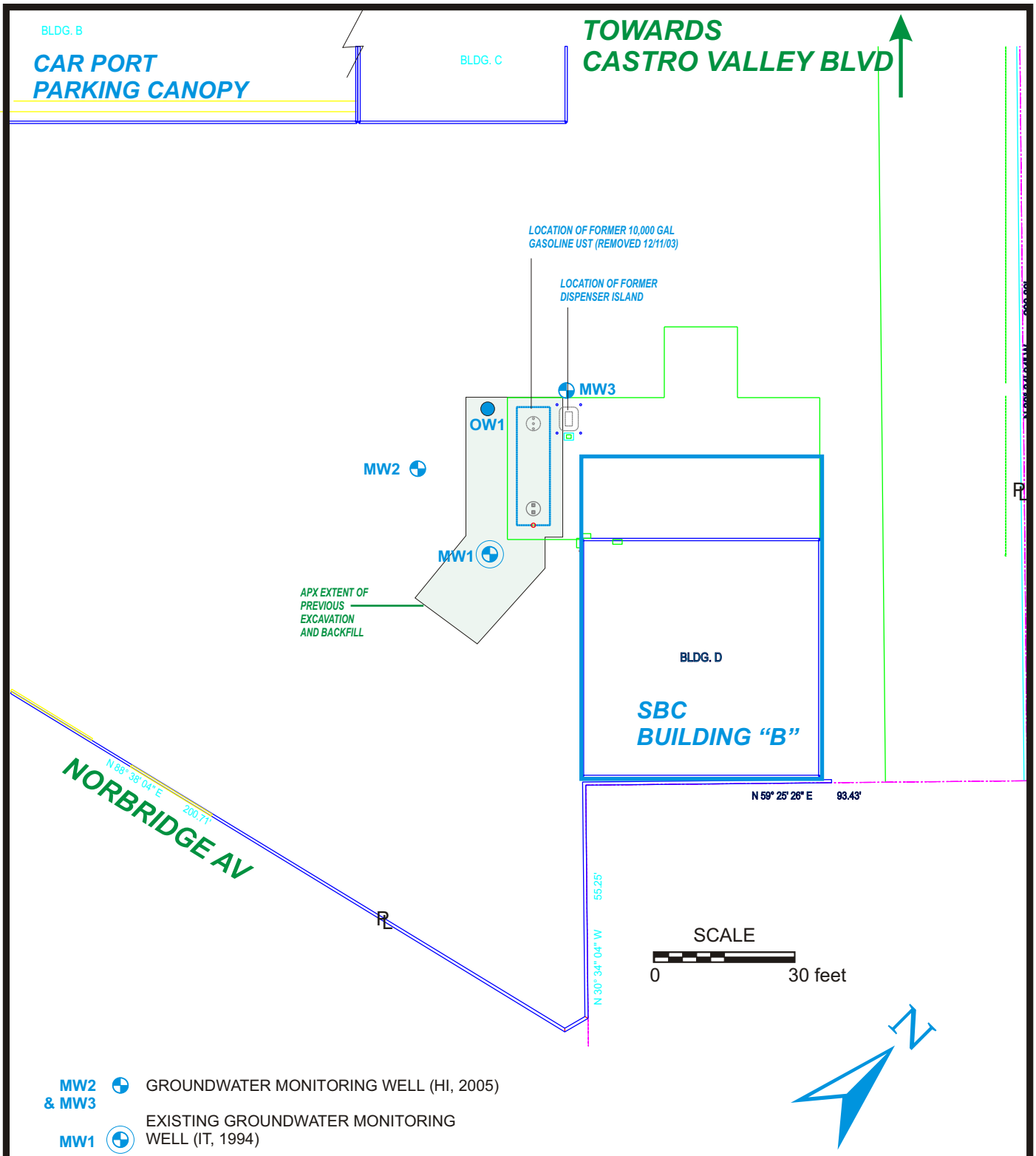


CLIENT	at&t
LOCATION	2610 NORBRIDGE AVE CASTRO VALLEY, CA 94546
TITLE	SITE PLAN
FIGURE NUMBER	2
PROJECT	3034-02

hydrologue, Inc.
Consulting Engineers & Geologists

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

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

September 18, 2007

Ms. Cheryl Allen
SBC
308 Akard St, 3SBC Plaza Env Mgt Room 900
Dallas, TX 75202

Subject: Fuel Leak Case No. RO0002610 and Geotracker Global ID T06019723762, SBC (P5200) CTVYCA60, 2610 Norbridge Ave, Castro Valley, CA 94546 – Request for Well Decommissioning

Dear Ms. Allen:

Alameda County Environmental Health (ACEH) and California Regional Water Quality Control Board staff have reviewed the fuel leak case file and case closure summary for the above-referenced site and concur that no further action related to the underground storage tank fuel release is required at this time. Prior to issuance of a remedial action completion certificate, the monitoring wells installed at the site are to be properly destroyed, should the monitoring wells have no further use. Please decommission the monitoring wells and provide documentation of the well decommissioning to this office. A remedial action completion certificate will be issued following receipt of the documentation.

Well destruction permits may be obtained from the Alameda County Public Works Agency (http://www.acgov.org/pwa/wells/index.shtml). If you have any questions, please call me at (510) 383-1767.

Sincerely,

A.Teo for
Steven Plunkett
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Ms. Eliza Shakian, Hydrologue Inc., 2793 East Foothill Blvd, Pasadena, CA 91107

Donna Drogos, ACEH
Steven Plunkett, ACEH
File

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: 10/23/2007 By jamesy

Permit Numbers: W2007-1086 to W2007-1089
Permits Valid from 10/30/2007 to 10/30/2007

Application Id: 1193156108369
Site Location: 2610 Norbridge Ave, Castro Valley, CA 94546
Project Start Date: 10/30/2007

City of Project Site: Castro Valley

Completion Date: 10/30/2007

Applicant: Hydrologue Inc. - Seyed Montajav
2793 E Foothill Bl., Pasadena, CA 91107
Phone: 626-585-9696

Property Owner: AT&T c/o Cheryl Allen
308 S Akard St., Dallas, UT 75202
Phone: 214-464-1805

Client: ** same as Property Owner **

	Total Due:	$1200.00
Receipt Number: WR2007-0463	**Total Amount Paid:**	$1200.00
Payer Name : Hydrologue Inc.	Paid By: CHECK	**PAID IN FULL**

Works Requesting Permits:

Well Destruction-Monitoring - 4 Wells
Driller: Woodward - Lic #: 710079 - Method: auger

Work Total: $1200.00

Specifications

Permit #	Issued Date	Expire Date	Owner Well Id	Hole Diam.	Casing Diam.	Seal Depth	Max. Depth	State Well #	Orig. Permit #	DWR #
W2007-1086	10/23/2007	01/28/2008	MW1	8.00 in.	4.00 in.	1.00 ft	16.00 ft			
W2007-1087	10/23/2007	01/28/2008	MW2	8.00 in.	4.00 in.	1.00 ft	15.00 ft			
W2007-1088	10/23/2007	01/28/2008	MW3	8.00 in.	2.00 in.	1.00 ft	20.00 ft			
W2007-1089	10/23/2007	01/28/2008	OW1	8.00 in.	0.00 in.	1.00 ft	0.00 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.

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 (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. Including permit number and site map.

4. 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.

5. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org 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.

6. Permitte, 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.

7. Remove the Christy box or similar structure.

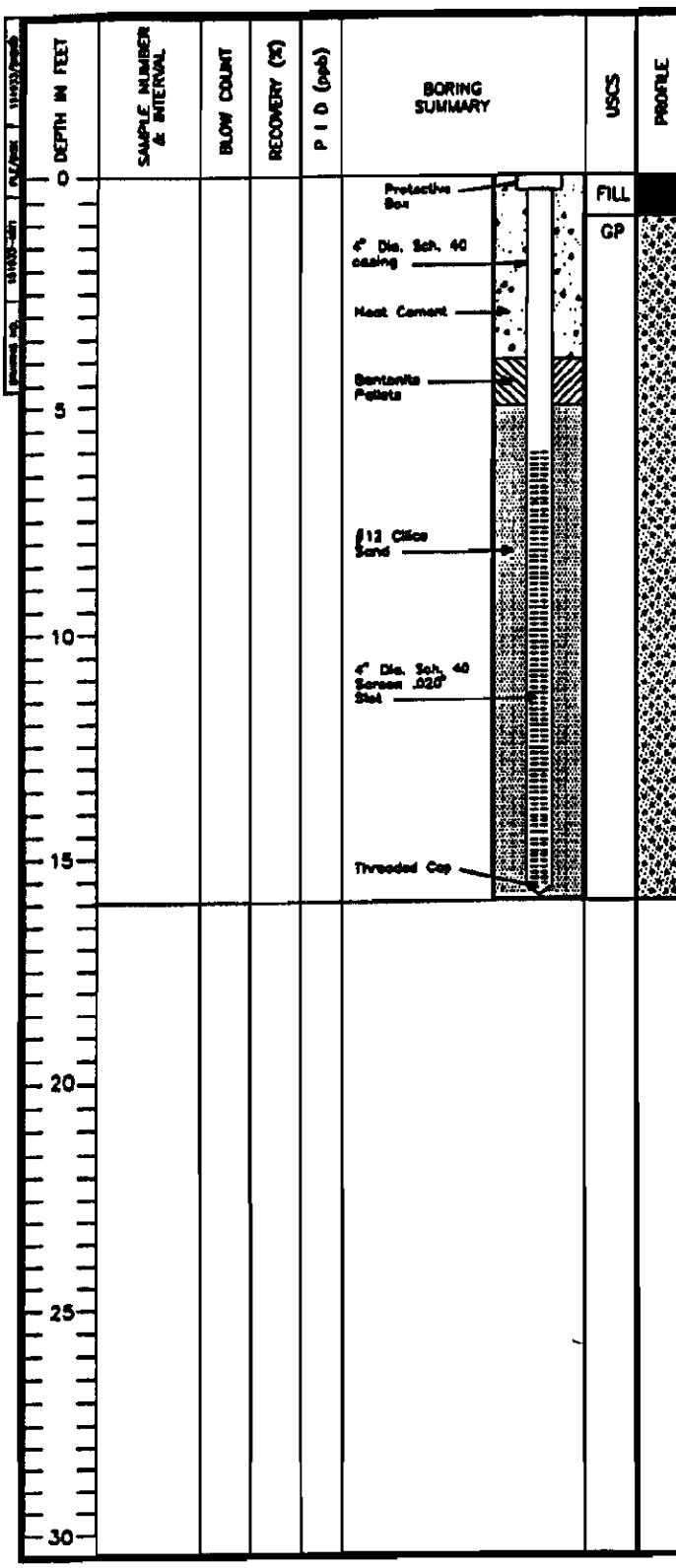
Destroy well by grouting neat cement with a tremie pipe or pressure grouting (25 psi for 5min.) to the bottom of the well and by filling with neat cement to three (3-5) feet below surface grade. Allow the sealing material to spill over the top of the casing to fill any annular space between casing and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

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

8. 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.

BORING NO. MW-1

FIELD GEOLOGIST: M. MILLER
CHECKED BY: M. MILLER
GROUND SURFACE EL.: N/A
TOP OF CASING EL.: N/A
DATE BEGAN: 02/02/94
DATE FINISHED: 02/02/94
TOTAL DEPTH: 16 FT.
DEPTH TO WATER: 5.2 FT.



Asphalt and concrete.

Pea gravel – tank fill.

Collecting first sample from first native material.

encountered water at 6.5 feet (BGS)

TOTAL DEPTH 16 FT.

COMMENTS:

Location is within excavated area of tankpit.
Lots of water and gravel inside auger.
No sample collected because native material was not encountered.

DRILLING CO.: Kvilhaug Drilling
DRILL METHOD: Hollow Stem Auger
SAMPLING METHOD: Modified California Split Spoon Sampler

PROJECT NO.: 151933
CLIENT: Pacific Bell
LOCATION: 2610 Norbridge Avenue, Castro Valley, California.

INTERNATIONAL TECHNOLOGY CORPORATION

hydrologue, Inc.
Consulting Engineers and Geologists

NOTE: DATA PRESENTED IN THIS LOG IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED AND APPLIES ONLY AT THE SPECIFIC LOCATION AND TIME INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS OR TIMES.

Project: **SBC-Castro Valley**	Location: **2610 Norbridge Avenue, Castro Valley, CA**	Project #: 3034-00
Logged By: RO	Start/Finish Date: 8-22-05	Boring I.D.: MW-2
1st Water Table (bgs):	Sampling Method (bgs): CA Modified Split Spoon	PID:
Last Water Table (bgs):	Wt. of Hammer (lb): #140 Hole Diameter: **8"**	Elevation:
Rig Type: CME	Drilling Contractor: WDC	Weather:

Depth (ft.)	Sample Interval	Blow Count	Time	PID (ppm)	Lithology	USCS	Lithologic Description (Soil classification, Color, Grain Size, Moisture, Consistency, Other)	Remarks
0							0-4" Asphalt	
						SP	Fill- sand, light brown, fine to medium, moist, dense, some silt and gravel	
						CL	Natural ground- sand clay, dark brown-gray, moist, very stif to hard, some angular gravel	
5	■	10/16/21	10:55	0			@ 7' becomes very hard, gravelly clay	
10	■	64 53(3")	11:10	0			Bedrock: Joaquin Miller Formation Shale; excavates as dry, brown, silty clay with sand; oxidized, weathered	▽
15	■	61 73(3")	11:25	0			More brittle, weathered, wet seams at 14'-14.5'	
20							4 bags sand x 100# to 4'	
25							Set 10' screen 5'-15' 1 bag bentonite, 1 bag portland cement, then well box in concrete	
30							Total Depth Drilled = 15 feet bgs. Total Depth Sampled = 15 Groundwater encountered @14' No caving. Soil boring was converted into gwm MW-2.	
35								
40								

hydrologue, Inc.
Consulting Engineers and Geologists

NOTE: DATA PRESENTED IN THIS LOG IS A SIMPLIFICATION OF ACTUAL CONDITIONS ENCOUNTERED AND APPLIES ONLY AT THE SPECIFIC LOCATION AND TIME INDICATED. IT IS NOT WARRANTED TO BE REPRESENTATIVE OF SUBSURFACE CONDITIONS AT OTHER LOCATIONS OR TIMES.

Project: **SBC-Castro Valley**	Location: **2610 Norbridge Avenue, Castro Valley, CA**	Project #: 3034-00
Logged By: RO	Start/Finish Date: 8-22-05	Boring I.D.: MW-3
1st Water Table (bgs):	Sampling Method (bgs): CA Modified Split Spoon	PID:
Last Water Table (bgs):	Wt. of Hammer (lb): #140 Hole Diameter: **8"**	Elevation:
Rig Type: CME	Drilling Contractor: WDC	Weather:

Depth (ft.)	Sample Interval	Blow Count	Time	PID (ppm)	Lithology	USCS	Lithologic Description (Soil classificotion, Color, Grain Size, Moisture, Consistency, Other)	Remarks
0							0-6" Asphalt	
						SP	Fill- sand, brown, moist, dense, some clay and gravel	
						CL	Sandy clay, grey-blue, moist, firm to hard, some gravel	
5		12/21/31	12:45	0			2" grey fine sand seam at 5'	
							@ 8' Sandy clay, brown, slightly moist, very hard, brittle, moderately weathered	
10		21/50	13:00	0			Bedrock - Joaquin Miller Formation Shale; highly weathered	
15		21/36/43	13:15	0			Becomes grey with brown and yellow mottling, more weathered	
20		61/100	13:30	0			Less weathered	
25							No groundwater observed while drilling Set 15' screen at 5'-20' 5 bags sand x 100# to 4' 1 bag bentonite, 1 bag portland cement, then well box in concrete Total Depth Drilled = 20 feet bgs. Total Depth Sampled = 20 No groundwater encountered during drilling No caving. Soil boring was converted into gwm MW-3.	
30								
35								
40								

INTERNATIONAL TECHNOLOGY CORPORATION

WELL DEVELOPING LOG

Project Name: PACIFIC BELL
Project No.: 151933
Request-for-Analysis Control No.: _____
Chain-of-Custody Control No.: _____
Sample No.: N/A

Sample Location or: MW-1
Well ID (attach map if necessary): _____
Date and Time 2-9-94
_____
Checked by (Office)/Date: _____

EQUIPMENT

Purging Method/Equipment: ELECT. PUMP AND D.SP. TUBING

6" Diameter = 1.5 gal/ft 4" Diameter = 0.67 gal/ft 2" Diameter = 0.17 gal/ft

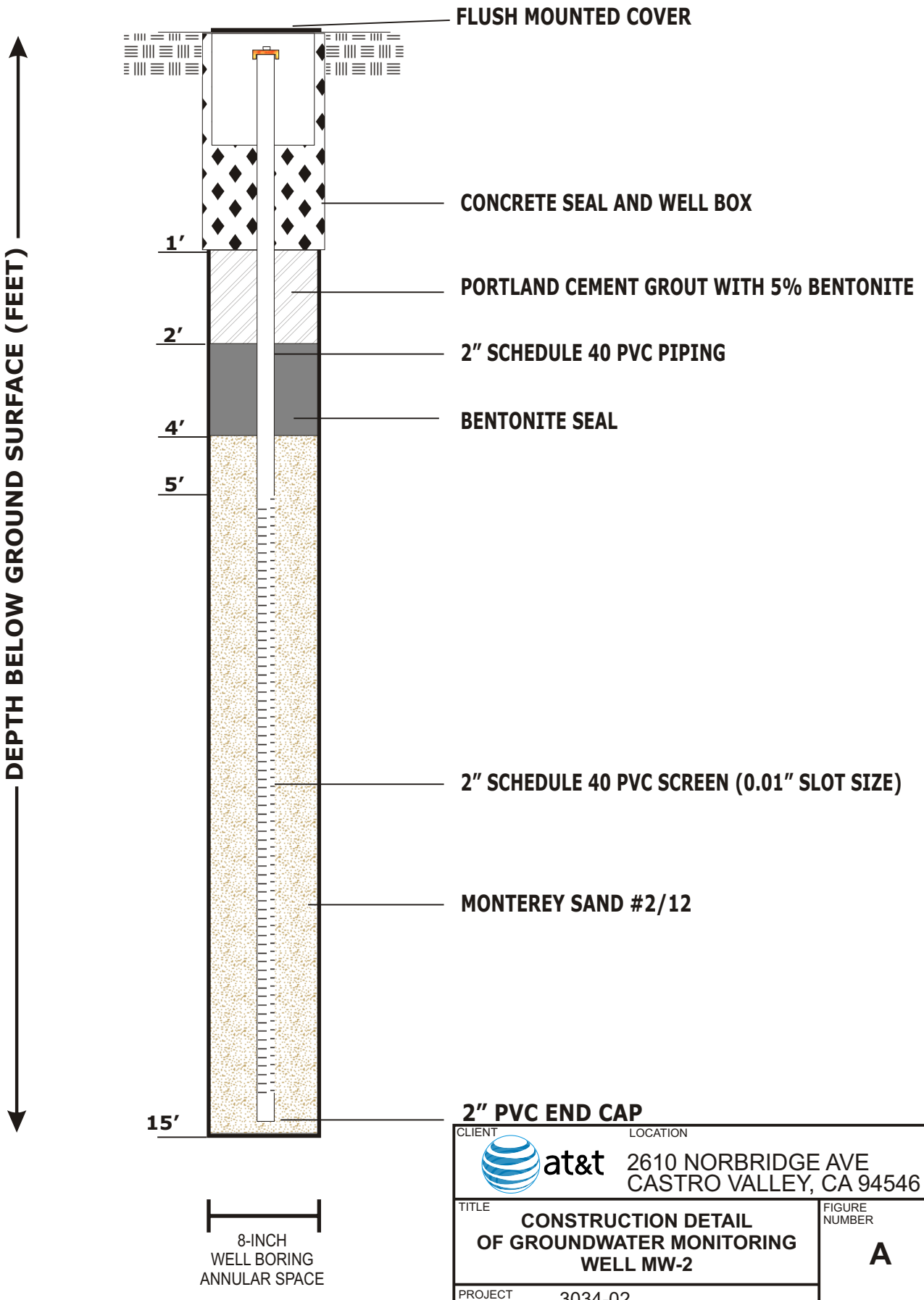
DEVELOPING INFORMATION

Casing ID (a) (in.) 4" Unit Casing Volume (b) .67 (.67)
Depth to Well Bottom (c) 15.45 (15.45) Depth to Water (d) 5.20 (5.2)
Length of Static Water Column in Casing (e) = (c) - (d) = 15.45 - 5.2 = 10.25 (10.25)
Casing Water Volume (f) = (b) x (e) = .67 x 10.25 = 6.86 (6.86)
Casing Volumes = 8 x (f) = 54.94 ( )

Volume Purged (GAL.)	Temp. (F.)	Conductance (X1000)	Time	Water Description (Color, Turbidity, Odor, Oil)	pH
.25	58.9	1.57	10:58	BROWN, SLTY, ODORLESS	8.13
10.0	59.8	1.73	11:05	NO SHEEN	8.48
20.0	62.1	1.84	11:09	TAN, " "	8.66
30.0	62.7	1.97	11:14	SLIGHTLY TAN, "	8.60
40.0	63.1	1.96	11:19	CLEAR, SLIGHTLY YELLOWISH	8.40
55.0	63.2	1.97	11:25	CLEAR, NO SHEEN, ODORLESS	8.50

Total Volume Purged: 55.0 Time: 11:25 Purged Dry (Y/N): NO

NOTES:



CLIENT at&t

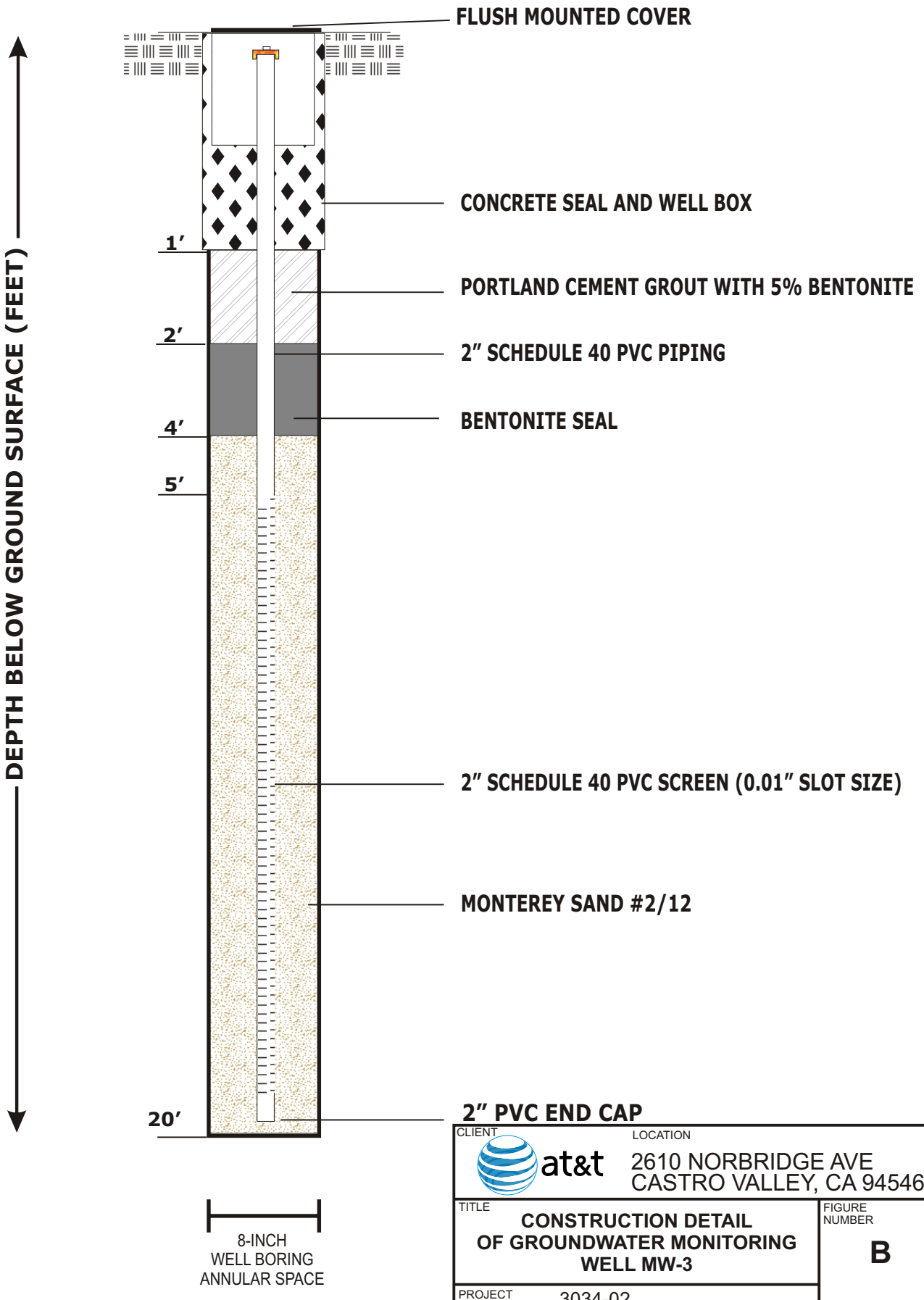
LOCATION
2610 NORBRIDGE AVE
CASTRO VALLEY, CA 94546

TITLE
CONSTRUCTION DETAIL OF GROUNDWATER MONITORING WELL MW-2

FIGURE NUMBER
A

PROJECT 3034-02

hydrologue, Inc.
Consulting Engineers & Geologists



CLIENT at&t

LOCATION
2610 NORBRIDGE AVE
CASTRO VALLEY, CA 94546

TITLE
CONSTRUCTION DETAIL OF GROUNDWATER MONITORING WELL MW-3

FIGURE NUMBER
B

PROJECT 3034-02

hydrologue, Inc.
Consulting Engineers & Geologists

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

INTERNATIONAL TECHNOLOGY CORPORATION

WELL DEVELOPING LOG

Project Name: PACIFIC BELL
Project No.: 151933
Request-for-Analysis Control No.:
Chain-of-Custody Control No.:
Sample No.: N/A

Sample Location or: MW-1
Well ID (attach map if necessary):
Date and Time 2-9-94
Checked by (Office)/Date:

EQUIPMENT

Purging Method/Equipment: ELECT. PUMP AND D.SP. TUBING

6" Diameter = 1.5 gal/ft 4" Diameter = 0.67 gal/ft 2" Diameter = 0.17 gal/ft

DEVELOPING INFORMATION

Casing ID (a) (in.) 4" Unit Casing Volume (b) .67 (.67)
Depth to Well Bottom (c) 15.45 (15.45) Depth to Water (d) 5.20 (5.2)
Length of Static Water Column in Casing (e) = (c) - (d) = 15.45 - 5.2 = 10.25 (10.25)
Casing Water Volume (f) = (b) x (e) = .67 x 10.25 = 6.86 (6.86)
Casing Volumes = 8 x (f) = 54.94 ( )

Volume Purged (GAL.)	Temp. (F.)	Conductance (X1000)	Time	Water Description (Color, Turbidity, Odor, Oil)	pH
.25	58.9	1.57	10:58	BROWN, SLTY, ODORLESS	8.13
10.0	59.8	1.73	11:05	NO SHEEN	8.48
20.0	62.1	1.84	11:09	TAN, " "	8.66
30.0	62.7	1.97	11:14	SLIGHTLY TAN, "	8.60
40.0	63.1	1.96	11:19	CLEAR, SLIGHTLY YELLOWISH	8.40
55.0	63.2	1.97	11:25	CLEAR, NO SHEEN, ODORLESS	8.50

Total Volume Purged: 55.0 Time: 11:25 Purged Dry (Y/N): NO

NOTES: