



January 31, 2012

Dan Cargill
Washington State Department of Ecology
Northwest Regional Office
3190 160th Avenue SE
Bellevue, WA 98008-5452

**Re: Monitoring Well Decommissioning
Washington State Liquor Control Board (WSLCB)
Seattle, Washington
17800-17**

Dear Mr. Cargill:

This letter is provided to document the decommissioning of eight groundwater monitoring wells located on the Washington State Liquor Control Board (WSLCB) site at 4401 East Marginal Way South in Seattle, Washington. The attached map (Figure 1) shows the locations of the thirteen wells that were decommissioned.

Wells were installed as part of a site reconnaissance investigation in April 2011. Groundwater from the wells were sampled and analyzed for various constituents. The installation of the wells and the analytical results are presented in Data Report, Washington State Liquor Control Board Site, prepared by Hart Crowser for the Washington State Department of Ecology dated July 28, 2011.

The wells were decommissioned on October 18 and 19, 2011, in accordance with WAC 173-160. Well casings were filled with bentonite chips and that were subsequently hydrated. The monuments were left in place and filled with concrete to match existing grade.



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Page 2

Copies of the decommissioning/abandonment documentation submitted to the Washington State Department of Ecology are attached.

Sincerely,

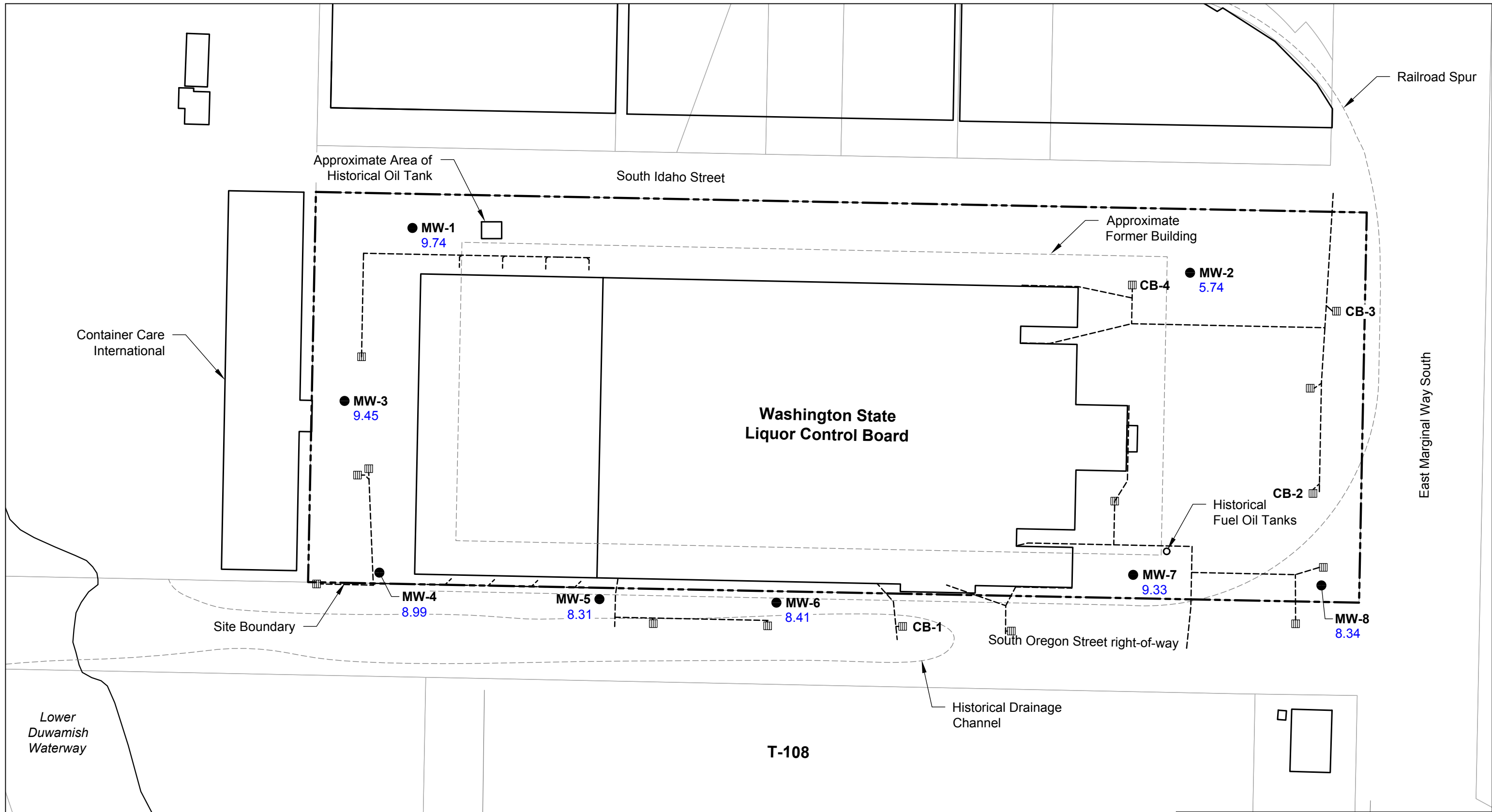
HART CROWSER, INC.

ROSS STAINSBY
Senior Associate

Attachments:

Figure 1 - Site and Exploration Plan
Notice of Intent to Decommission a Well
Decommissioned Well Logs

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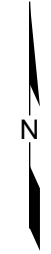
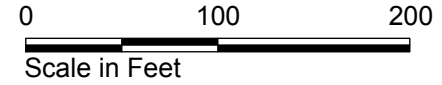
Source: Copyright 2002 Kroll Map Company, Inc. #2297 - All Rights Reserved.

MW-1 ● Monitoring Well Location and Number

8.41 Groundwater Elevation in Feet

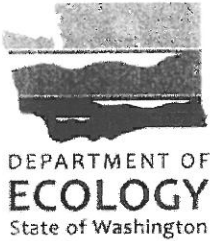
CB-1 Catch Basin Sampling Location and Number

Note: Approximate locations of historical features compiled from various sources. See text for details.



Washington State Liquor Control Board Seattle, Washington	
Site and Exploration Plan	
17800-17	1/12
	Figure 1

JAB 01/31/12 1780017-012.dwg



Notice of Intent to Decommission a Well

Notification Number

This form and required fees **MUST BE RECEIVED** by the Department of Ecology AE15022
72 HOURS BEFORE you construct a well.

Submit one completed form for each job site and required fee (check or money order only) to:
Department of Ecology Cashiering Unit, P.O. Box 47611, Olympia, WA 98504-7611

NOTE: Please print. Processing your Notice of Intent may be delayed if all fields are not filled in completely.					
1. Property Owner Washington State Liquer Control Boa			Phone Number		
Mailing Address 4401 East Marginal Way South		City Seattle		State WA	Zip Code 98109
2. Agent (if different from above) Hart Crowser Inc.			Phone Number (206) 396-4701		
Mailing Address 1700 West Lake Ave N		City Seattle		State WA	Zip Code 98109
3. Well Location					
Tax Parcel Number, Township, Range, Section, 1/4, and 1/4 1/4 are Required. Latitude and longitude (if available).					
County Name King - 17					
Well Site Street Address 4401 East Marginal Way South			City Seattle		State WA
Zip Code					
Tax Parcel Number	Township 24N	Range 3E	Section 18	1/4 (within 160 acres) SE	1/4 - 1/4 (within 40 acres) NW
Latitude Degrees		Latitude Time min sec		Horizontal Collection Method	
Longitude Degrees		Longitude Time min sec			
4. Notice of Intent Number of well being decomissioned			Unique Well Tag Number of well being decomissioned (if applicable)		
5. Well Type to Decommission How Many? 8					
6. Estimated Decommission Start Date 10/10/2011 12:00			Project Name Liquer Control Board		
7. Professional's License Number					
8. Well Drilling Company Name Hart Crowser Inc				Phone Number (206)324-9530	
9. Well Driller Name BRUCE MCDONALD				Driller License Number 2762	

10. Send the entire form.

Please copy the notification number (located in the upper and lower right corners) and keep in a safe place. Use this reference number when communicating with the Department of Ecology.

Water Well :	\$50.00
Soil Sampling, Dewatering,	
Environmental investigation wells:	No Fee
All other wells:	\$20.00 each
Amount Enclosed \$	\$160

This notification number must be provided to your driller.

AE15022

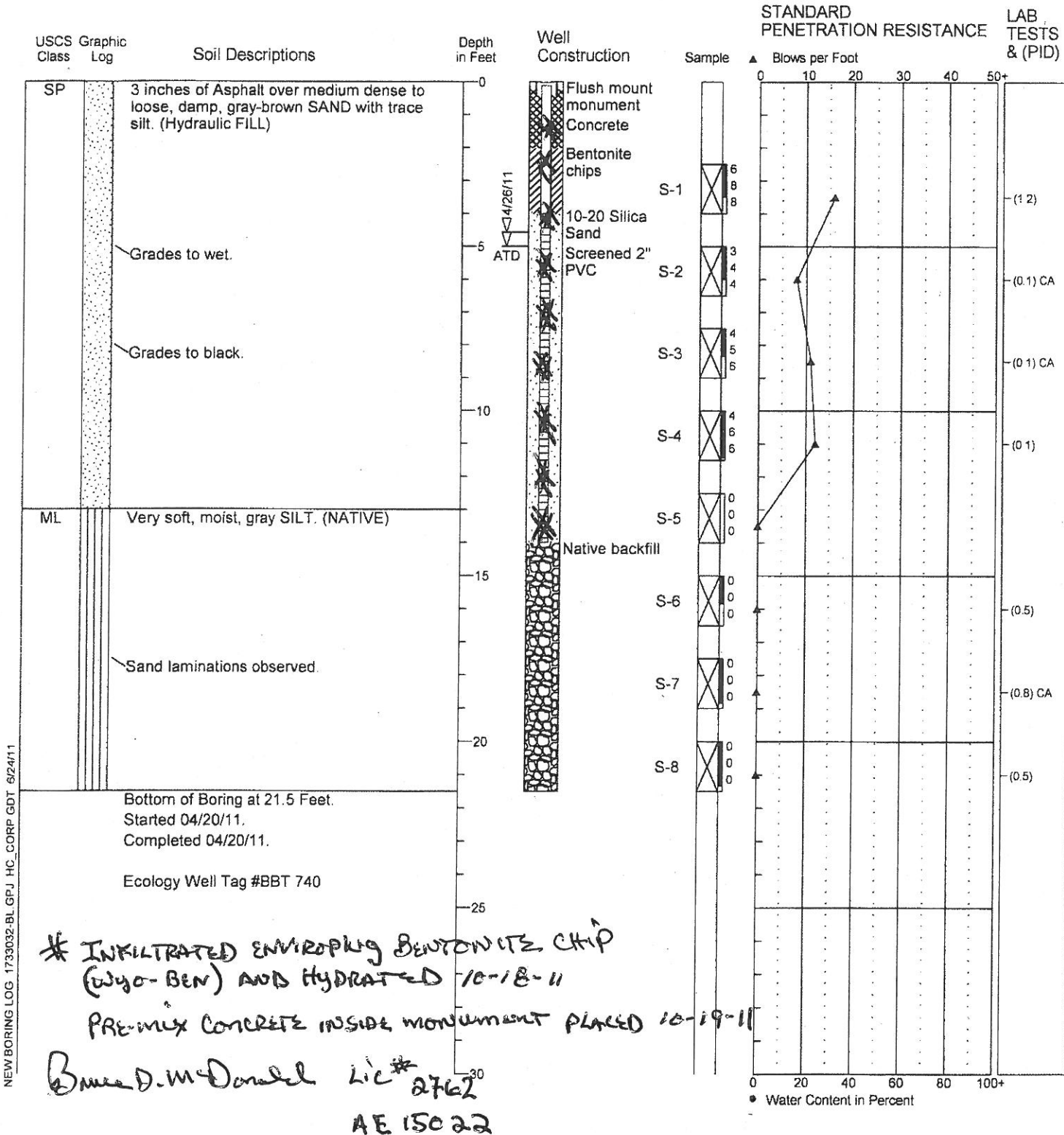
bruce.mcdonald@hartcrowser.co

Your Notice of Intent has been processed as of 10/5/2011. Your Cash Journal Validation Number is: 461R0401. This message being sent at (10/5/2011)

Boring Log & Construction Data for Monitoring Well MW-1

Location: N 209510.62 E 1267514.51
 Approximate Ground Surface Elevation: 15.11 Feet
 Horizontal Datum: NAD83/2007
 Vertical Datum: NAVD88

Drill Equipment: Hollow Stem Auger
 Hammer Type: SPT w/140 lb. hammer
 Hole Diameter: 10 inches
 Logged By: B. Payne Reviewed By: A. Goodwin



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. USCS designations are based on visual manual classification (ASTM D 2486) unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.
5. NS = No Sheen



HARTCROWSER

17330-32

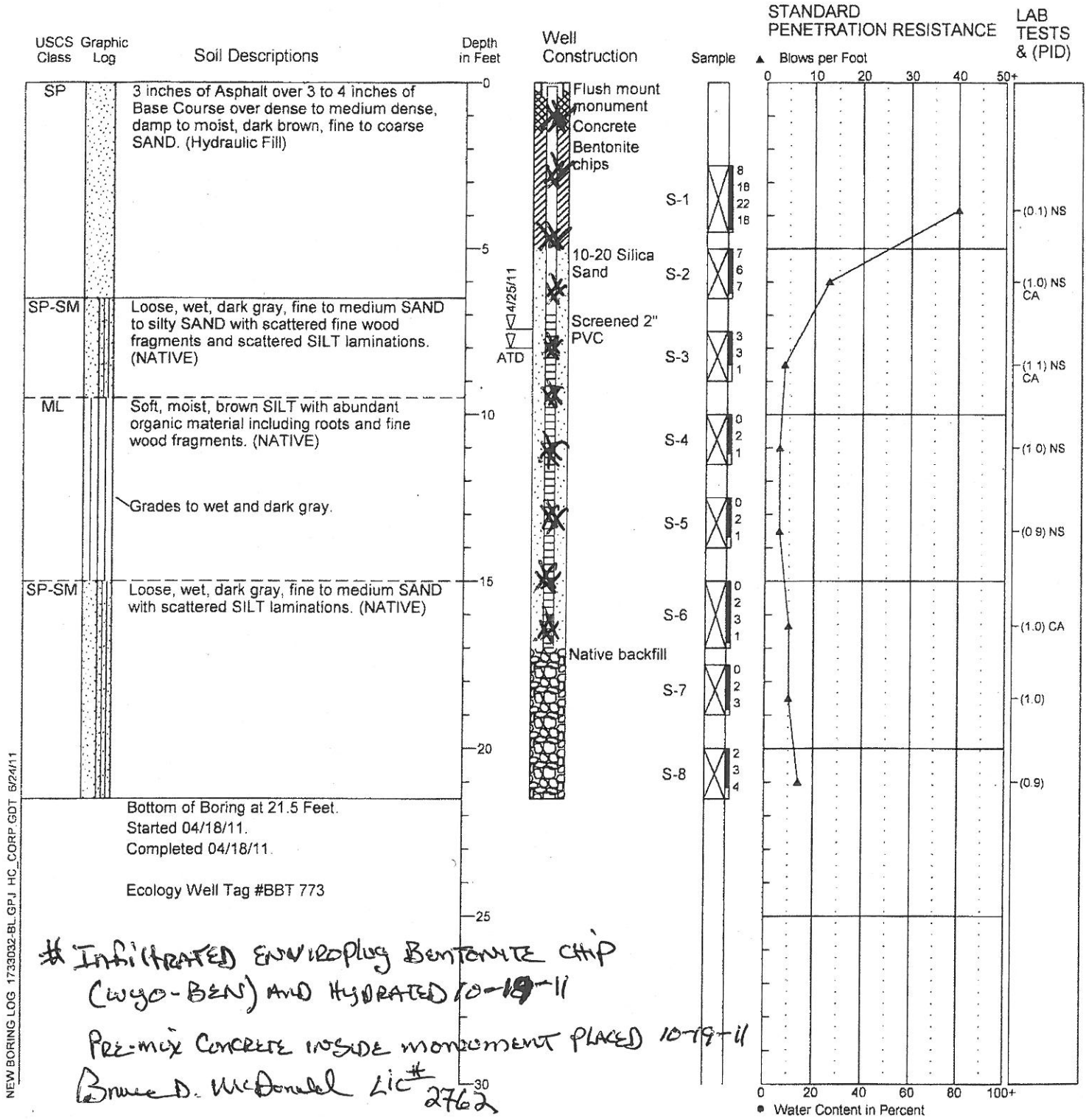
4/11

Figure A-2

Boring Log & Construction Data for Monitoring Well MW-2

Location: N 209462.42 E 1268351.38
 Approximate Ground Surface Elevation: 15.03 Feet
 Horizontal Datum: NAD83/2007
 Vertical Datum: NAVD88

Drill Equipment: Hollow Stem Auger
 Hammer Type: SPT w/140 lb. hammer
 Hole Diameter: 10 inches
 Logged By: P. Cordell Reviewed By: A. Goodwin



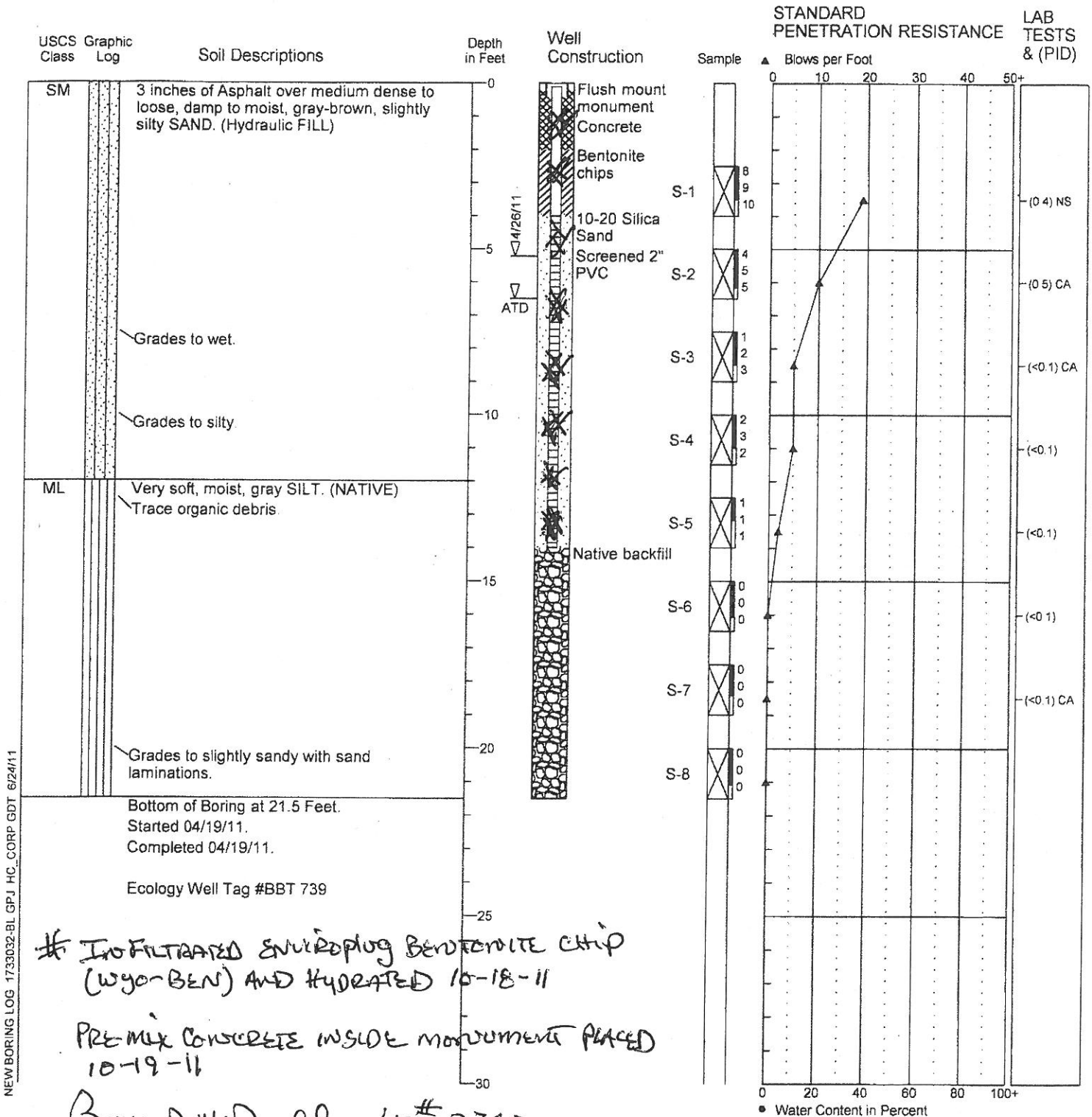
NEW BORING LOG 1733032-BL GPJ HC_CORP_GDT 6/24/11

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. USCS designations are based on visual manual classification (ASTM D 2488) unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.
5. NS = No Sheen

Boring Log & Construction Data for Monitoring Well MW-3

Location: N 209324.44 E 1267441.43
 Approximate Ground Surface Elevation: 15.49 Feet
 Horizontal Datum: NAD83/2007
 Vertical Datum: NAVD88

Drill Equipment: Hollow Stem Auger
 Hammer Type: SPT w/140 lb. hammer
 Hole Diameter: 10 inches
 Logged By: B. Payne Reviewed By: A. Goodwin



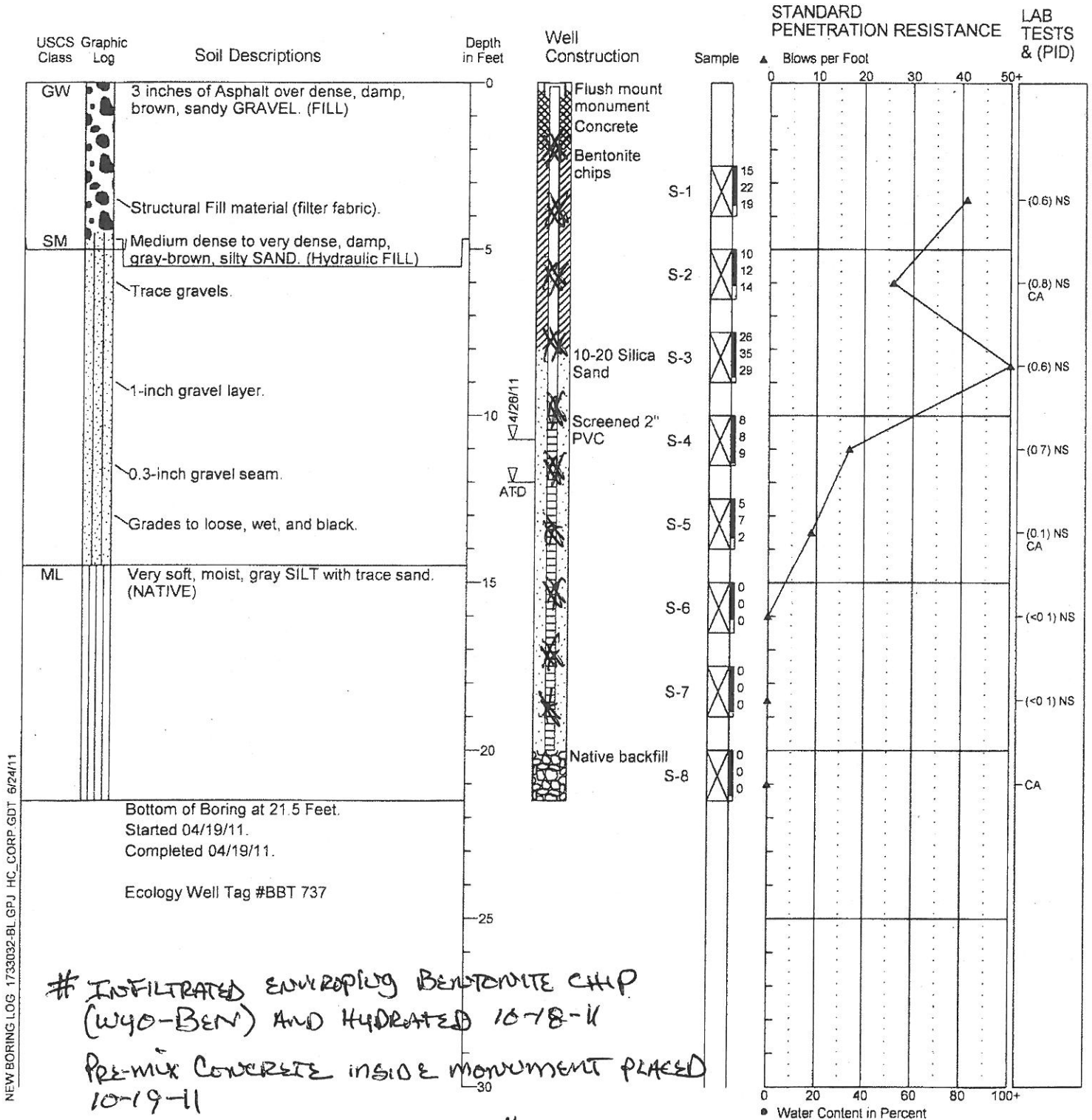
NEWBORING LOG 1733032-BL GPJ HC CORP GDT 6/24/11

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. USCS designations are based on visual manual classification (ASTM D 2488) unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.
5. NS = No Sheen

Boring Log & Construction Data for Monitoring Well MW-5

Location: N 209111.12 E 1267715.75
 Approximate Ground Surface Elevation: 19.59 Feet
 Horizontal Datum: NAD83/2007
 Vertical Datum: NAVD88

Drill Equipment: Hollow Stem Auger
 Hammer Type: SPT w/140 lb. hammer
 Hole Diameter: 10 inches
 Logged By: B. Payne/P. Cordell Reviewed By: A. Goodwin



1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. USCS designations are based on visual manual classification (ASTM D 2488) unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.
5. NS = No Sheen

Bruce D. McDonald LIC # 2762
 AE 15022

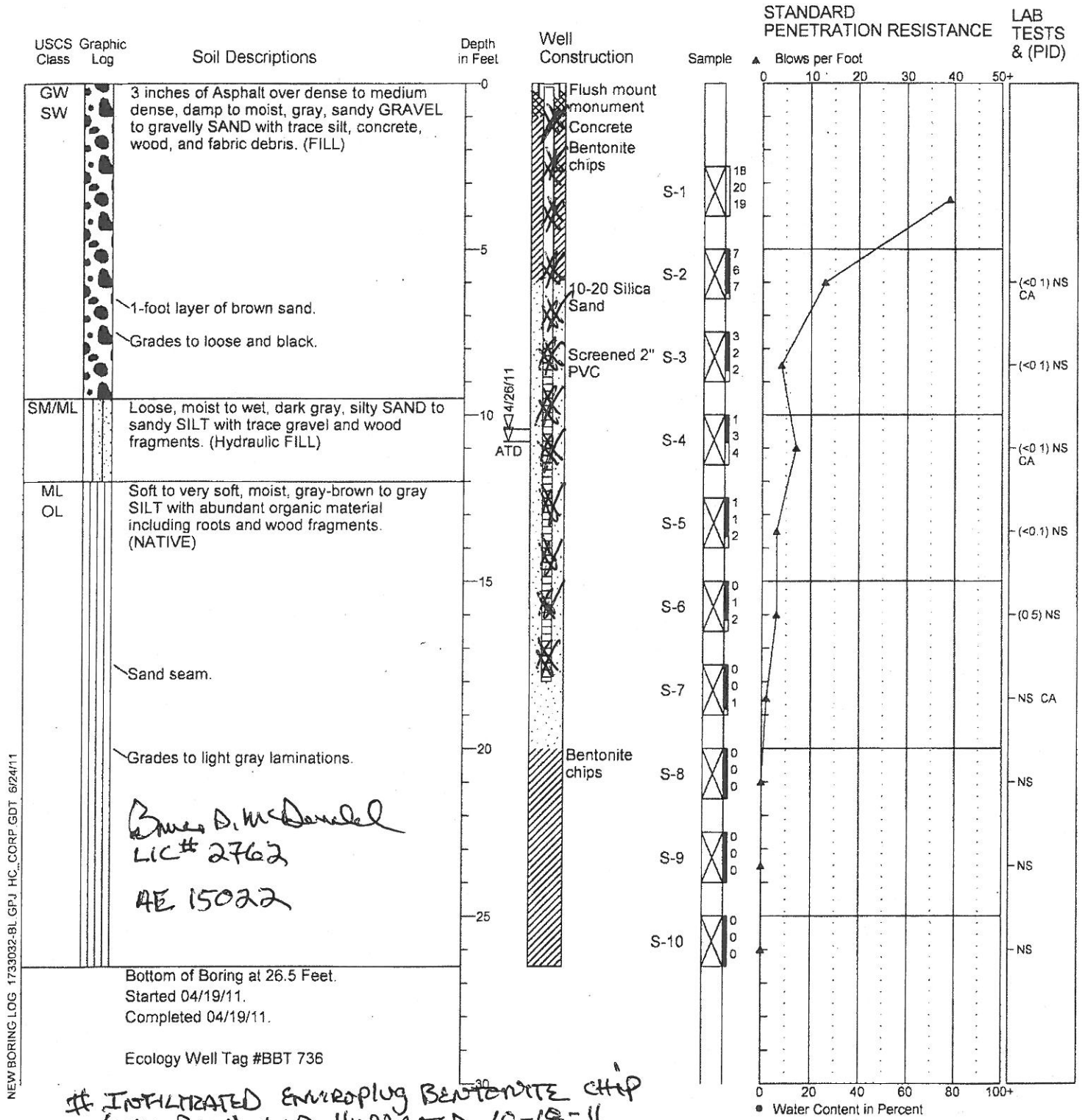


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 Figure A-6

Boring Log & Construction Data for Monitoring Well MW-6

Location: N 209107.34 E 1267906.21
 Approximate Ground Surface Elevation: 19.39 Feet
 Horizontal Datum: NAD83/2007
 Vertical Datum: NAVD88

Drill Equipment: Hollow Stem Auger
 Hammer Type: SPT w/140 lb. hammer
 Hole Diameter: 10 inches
 Logged By: B. Payne/P. Cordell Reviewed By: A. Goodwin



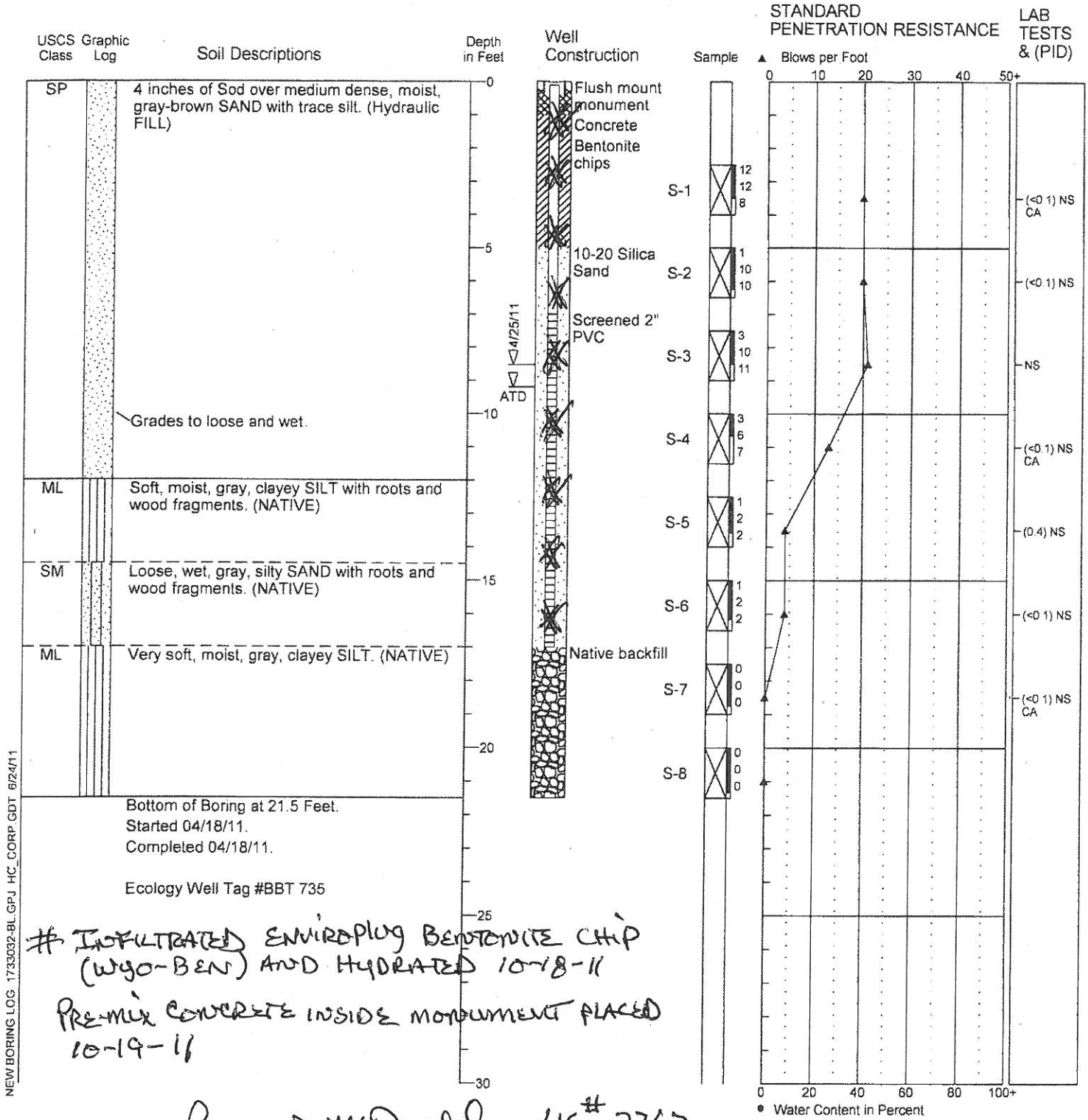
NEW BORING LOG 1733032-BL GPJ HC, CORP GDT 6/24/11

- 1 Refer to Figure A-1 for explanation of descriptions and symbols.
- 2 Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
- 3 USCS designations are based on visual manual classification (ASTM D 2488) unless otherwise supported by laboratory testing (ASTM D 2487).
- 4 Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.
- 5 NS = No Sheen

Boring Log & Construction Data for Monitoring Well MW-7

Location: N 209137.25 E 1268290.15
 Approximate Ground Surface Elevation: 18.70 Feet
 Horizontal Datum: NAD83/2007
 Vertical Datum: NAVD88

Drill Equipment: Hollow Stem Auger
 Hammer Type: SPT w/140 lb. hammer
 Hole Diameter: 10 inches
 Logged By: B. Payne Reviewed By: A. Goodwin

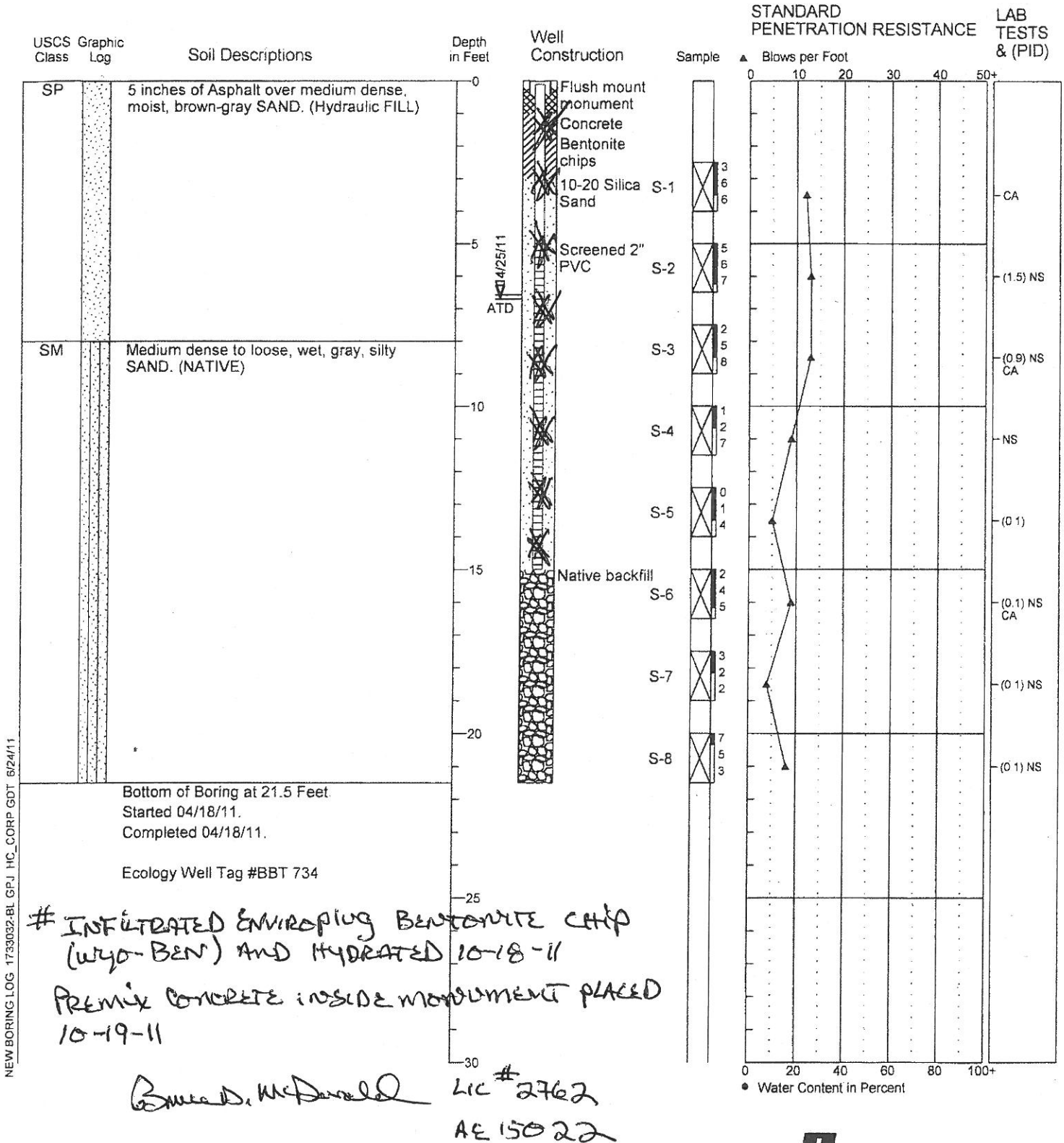


1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. USCS designations are based on visual manual classification (ASTM D 2488) unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.
5. NS = No Sheen

Boring Log & Construction Data for Monitoring Well MW-8

Location: N 209125 88 E 1268492.75
 Approximate Ground Surface Elevation: 14.83 Feet
 Horizontal Datum: NAD83/2007
 Vertical Datum: NAVD88

Drill Equipment: Hollow Stem Auger
 Hammer Type: SPT w/140 lb. hammer
 Hole Diameter: 10 inches
 Logged By: B. Payne/P. Cordell Reviewed By: A. Goodwin



NEW BORING LOG 1733032-BL GPJ HC_CORP GDT 6/24/11

1. Refer to Figure A-1 for explanation of descriptions and symbols.
2. Soil descriptions and stratum lines are interpretive and actual changes may be gradual.
3. USCS designations are based on visual manual classification (ASTM D 2488) unless otherwise supported by laboratory testing (ASTM D 2487).
4. Groundwater level, if indicated, is at time of drilling (ATD) or for date specified. Level may vary with time.
5. NS = No Sheen