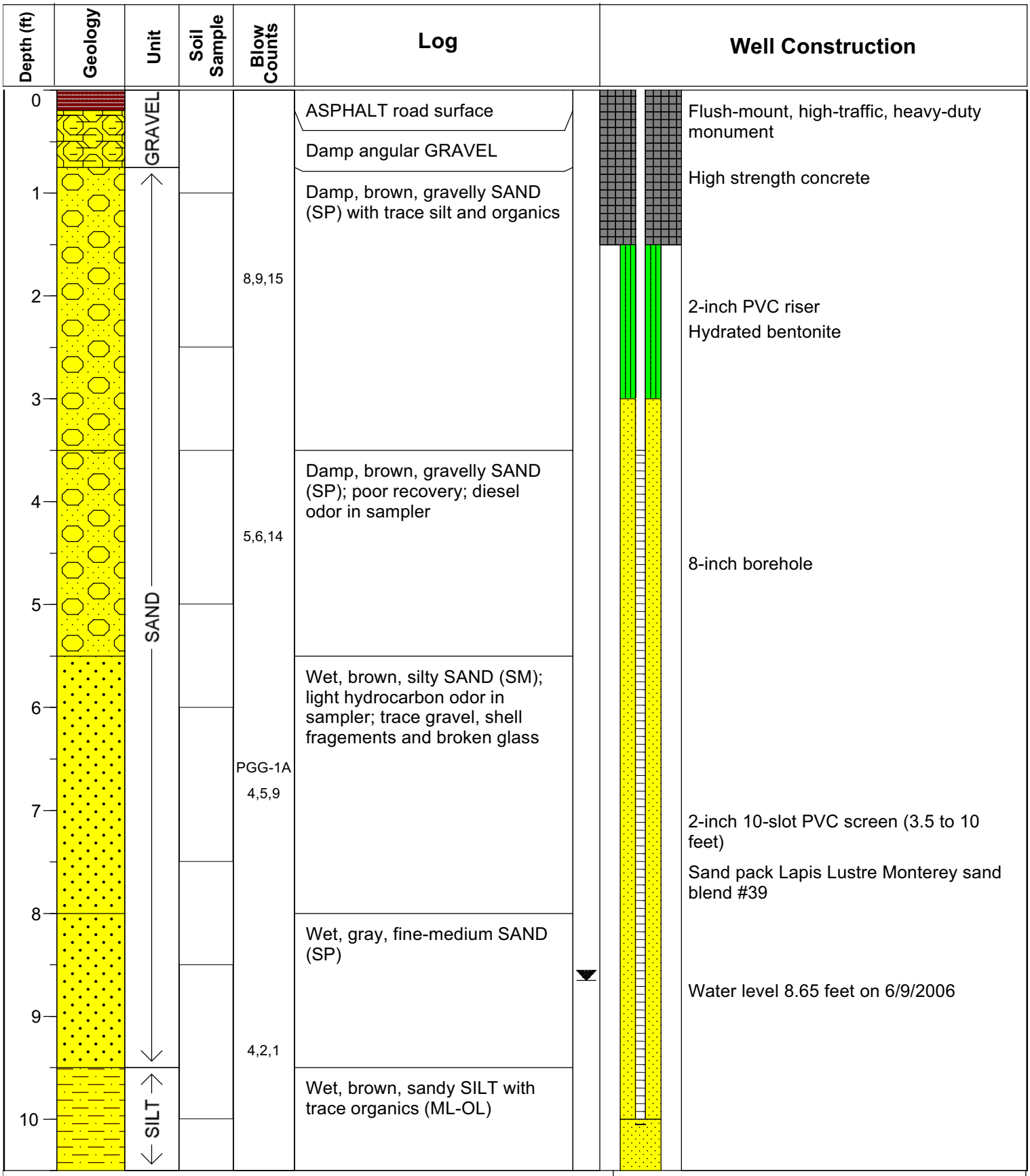
APPENDIX A
GEOLOGIC LOGS AND AS-BUILTS FOR T-108
GROUNDWATER AND SHORELINE SOIL INVESTIGATION WELLS



Project Name: T-108
Drilling Method: Hollow Stem Auger
Driller: Andy Flanagan
Firm: Cascade Drilling
Consulting Firm: PGG
Logged by: Glen Wallace
Location: Terminal 108, Seattle, Washington

Well Name: PGG-1
Ecology ID: APQ005
MP Elevation:15.04
Datum: MLLW
Installed: 6/6/2006

Figure A-1
GEOLOGIC LOG AND AS-BUILT FOR WELL PGG-1
Port of Seattle T-108
Seattle, Washington
JK0410, 6/6/2006

PgG

Depth (ft)	Geology	Unit	Soil Sample	Blow Counts	Log	Well Construction
0		SAND			Damp, brown, medium SAND (SP); trace silt and gravel; poorly graded/sorted	Flush-mount monument Concrete
1						
2				6,6,5		Hydrated bentonite 2-inch PVC riser
3						
4					Damp, light gray, silty SAND (SM/SP); silt occurs as thin, irregular layers with oxidation at contact with sand	
5				3,3,3		2-inch 10-slot PVC screen (3.5 to 10.5 feet)
6					Moist, dark gray, fine silty SAND (SP) with isolated fragments of tan silt; trace gravel	
7				3,3,3		Water level 7.22 ft on 6/8/2006 Sand pack Lapis Lustre Monterey Sand blend #39
8						
9		SILT			Moist, dark gray sandy SILT (SM) with trace organics, trace shell fragments; light diesel odor in sampler	
10				PGG-2A 3,3,3		8-inch borehole
11					Wet, dark gray, sandy SILT (OL/CL) with trace organics and mixed peaty layers; light diesel odor in sampler	
12				PGG-2B 6,5,5		Bentonite
13						
14						

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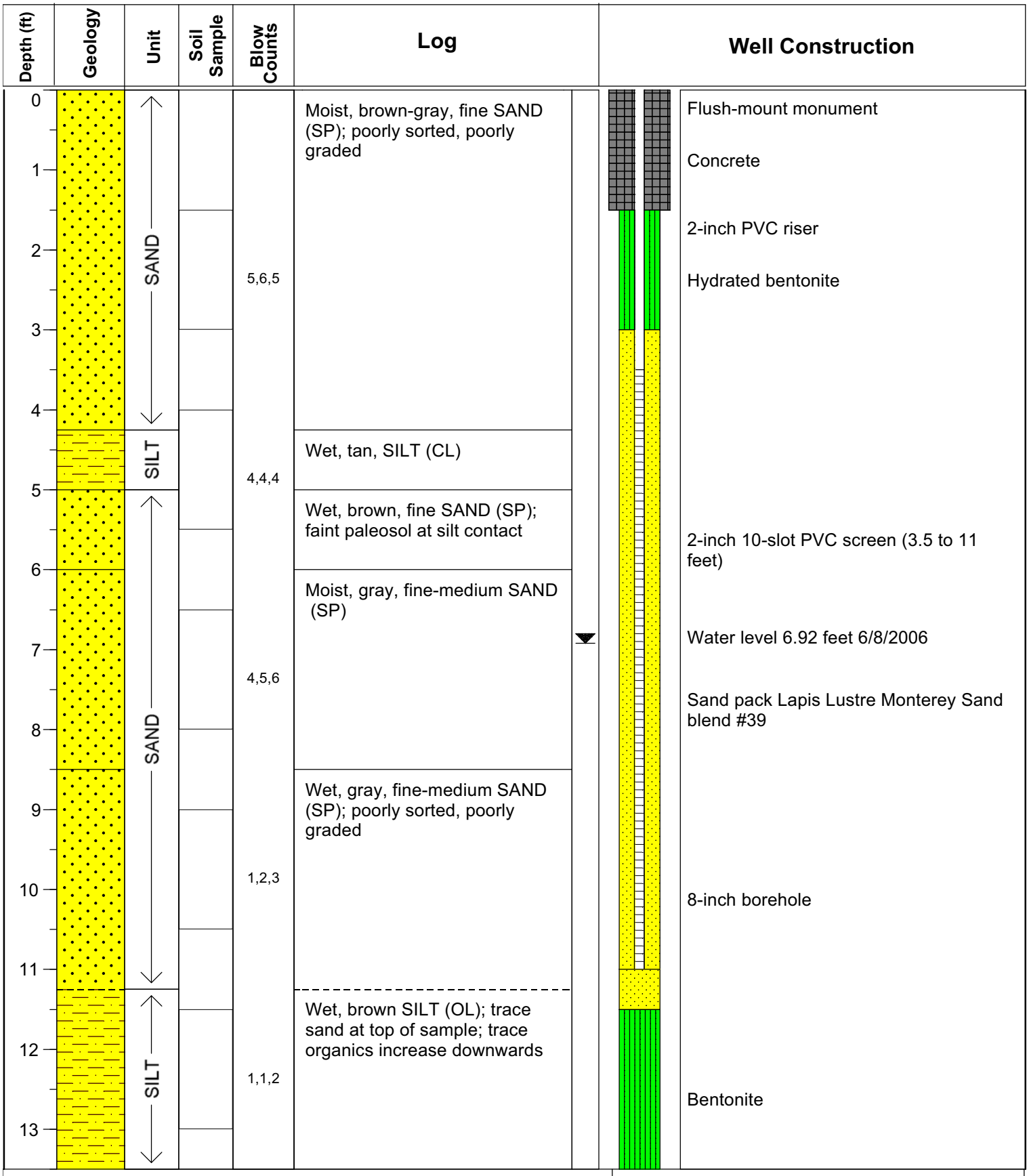
Well Name: PGG-2
Ecology ID: APQ002
MP Elevation:18.82
Datum: MLLW
Installed: 6/5/2006

Figure A-2

GEOLOGIC LOG AND AS-BUILT FOR WELL PGG-2

Port of Seattle T-108
Seattle, Washington
JK0410, 6/6/2006

PgG



Project Name: T-108
Drilling Method: Hollow Stem Auger
Driller: Andy Flanagan
Firm: Cascade Drilling
Consulting Firm: PGG
Logged by: Glen Wallace
Location: Terminal 108, Seattle, Washington

Well Name: PGG-3
Ecology ID: APQ004
MP Elevation: 13.26
Datum: MLLW
Installed: 6/5/2006

Figure A-3
GEOLOGIC LOG AND AS-BUILT FOR WELL PGG-3
Port of Seattle T-108
Seattle, Washington
JK0410, 6/6/2006

Depth (ft)	Geology	Unit	Soil Sample	Blow Counts	Log	Well Construction
0		AS.			ASPHALT	Flush-mount monument
		GRVL.			GRAVEL	Concrete
1		SAND			Damp, brown to dark brown, gravelly SAND (SP); trace organic material; no odor	2-inch PVC riser
2				10,18,11		Hydrated bentonite
3						
4				4,4,4	Damp, grayish brown, med-fine SAND (SP); trace silt; homogeneous	
5						Sand pack Lapis Lustre Monterey Sand blend #39
6					Damp, gray, fine SAND (SP); trace silt	
7				4,5,4		10-slot PVC screen (3.5 to 10 feet)
8						8-inch borehole
9					Wet, gray,fine SAND (SP)	
				nr		Water level 9.47 feet on 6/8/2006
10		SILT			Wet, dark gray, SILT (MM); trace organics	

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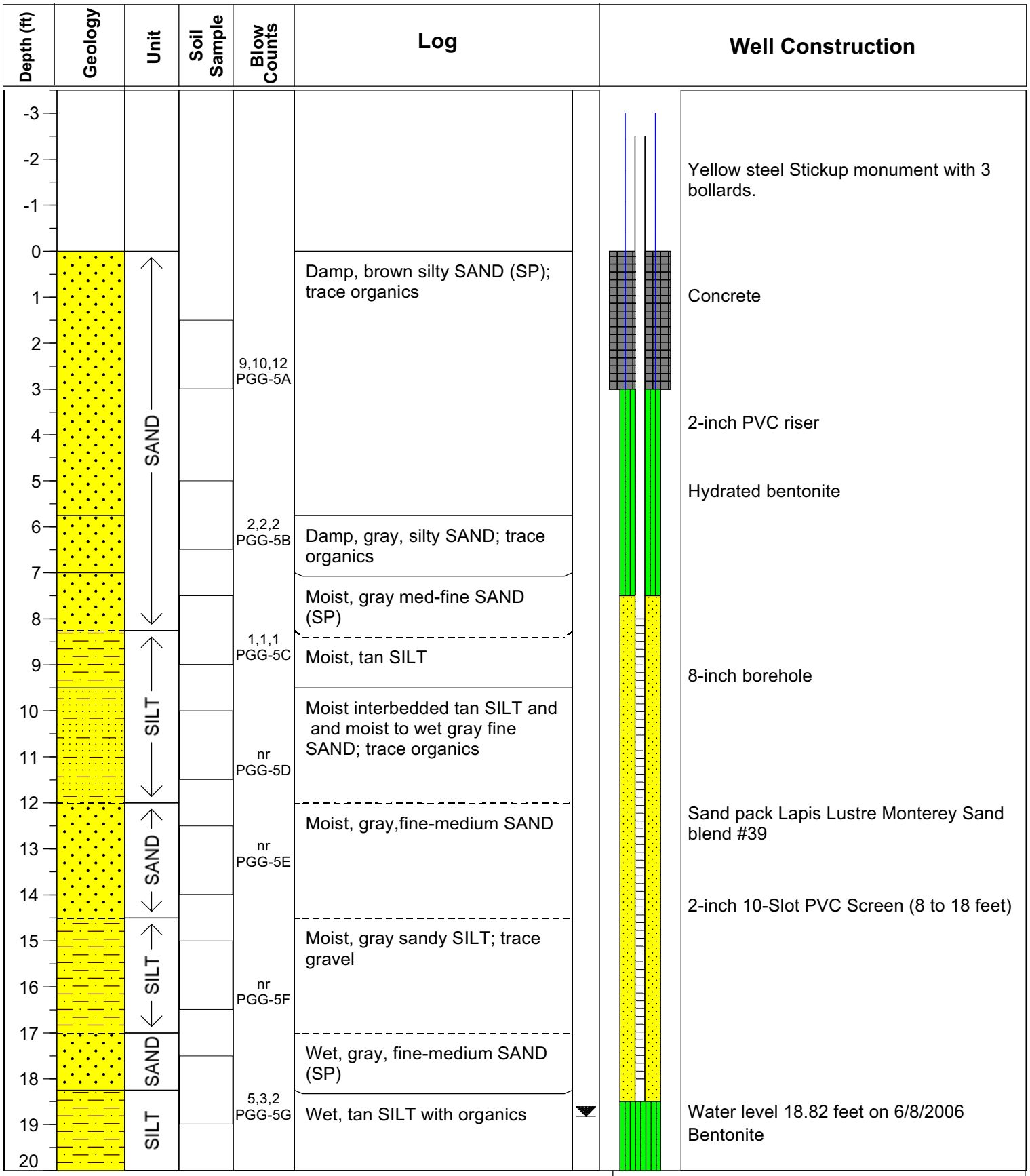
Well Name: PGG-4
Ecology ID: APQ006
MP Elevation: 15.21
Datum: MLLW
Installed: 6/6/2006

Figure A-4
GEOLOGIC LOG AND AS-BUILT FOR WELL PGG-4
CORRECTION
Port of Seattle T-108, Seattle, WA
JK0410, 6/6/2006

PgG

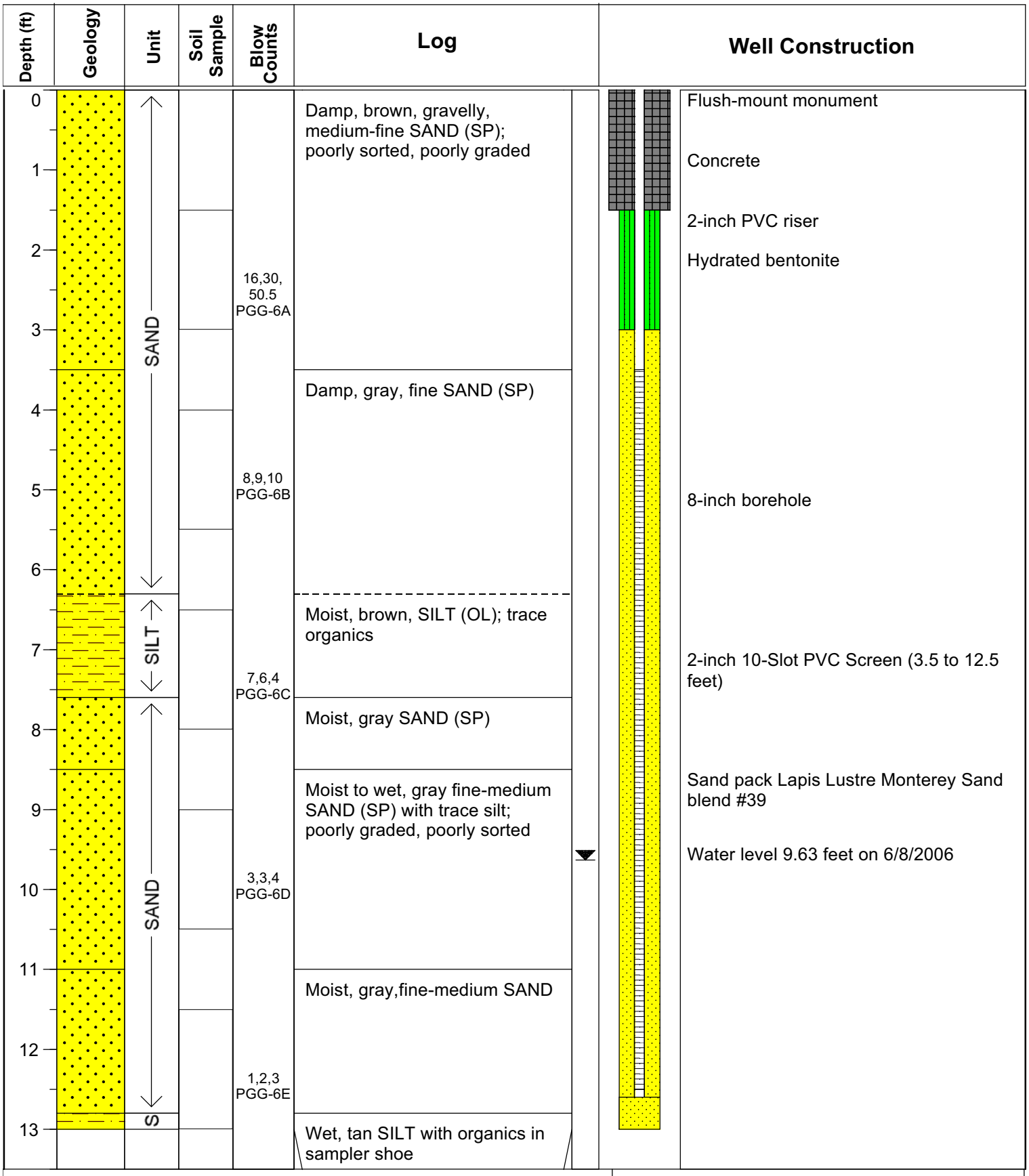


Project Name: T-108
Drilling Method: Hollow Stem Auger
Driller: Andy Flanagan
Firm: Cascade Drilling
Consulting Firm: PGG
Logged by: Glen Wallace
Location: Terminal 108, Seattle, Washington

Well Name: PGG-5
Ecology ID: APQ007
MP Elevation: 22.81
Datum: MLLW
Installed: 6/6/2006
nr = not recorded

Figure A-5
GEOLOGIC LOG AND AS-BUILT FOR WELL PGG-5
Port of Seattle T-108
Seattle, Washington
JK0410, 6/6/2006

PgG



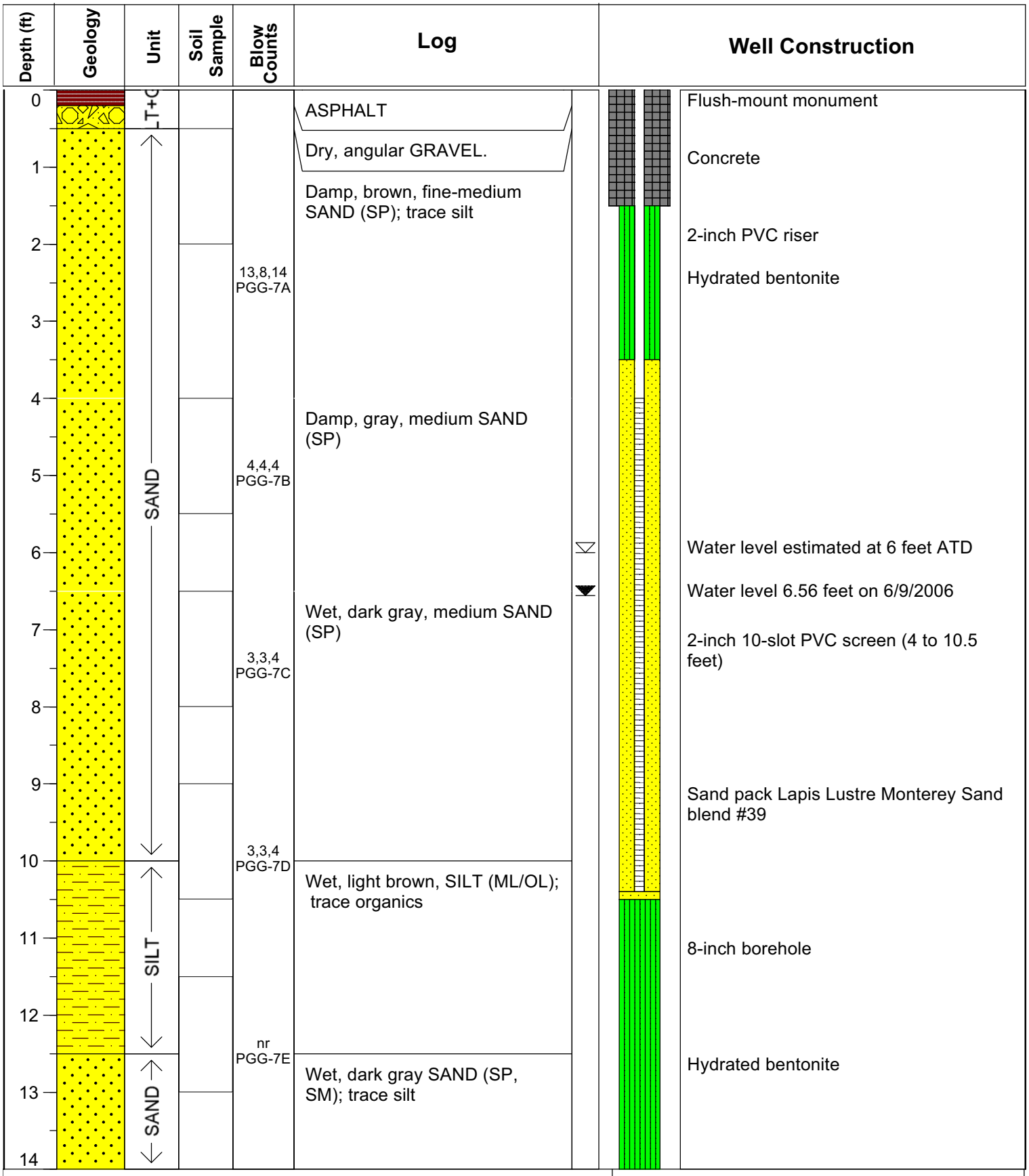
Project Name: T-108
Drilling Method: Hollow Stem Auger
Driller: Andy Flanagan
Firm: Cascade Drilling
Consulting Firm: PGG
Logged by: Glen Wallace
Location: Terminal 108, Seattle, Washington

Well Name: PGG-6
Ecology ID: APQ003
MP Elevation: 15.03
Datum: MLLW
Installed: 6/5/2006

Figure A-6
GEOLOGIC LOG AND AS-BUILT FOR WELL PGG-6

Port of Seattle T-108
Seattle, Washington
JK0410, 6/6/2006

PgG



Project Name: T-108
Drilling Method: Hollow Stem Auger
Driller: Andy Flanagan
Firm: Cascade Drilling
Consulting Firm: PGG
Logged by: Glen Wallace
Location: Terminal 108, Seattle, Washington

Well Name: PGG-7
Ecology ID: APQ001
MP Elevation: 12.24
Datum: MLLW
Installed: 6/5/2006
nr = not recorded

Figure A-7
GEOLOGIC LOG AND AS-BUILT FOR WELL PGG-7
Port of Seattle T-108
Seattle, Washington
JK0410, 6/6/2006

PgG