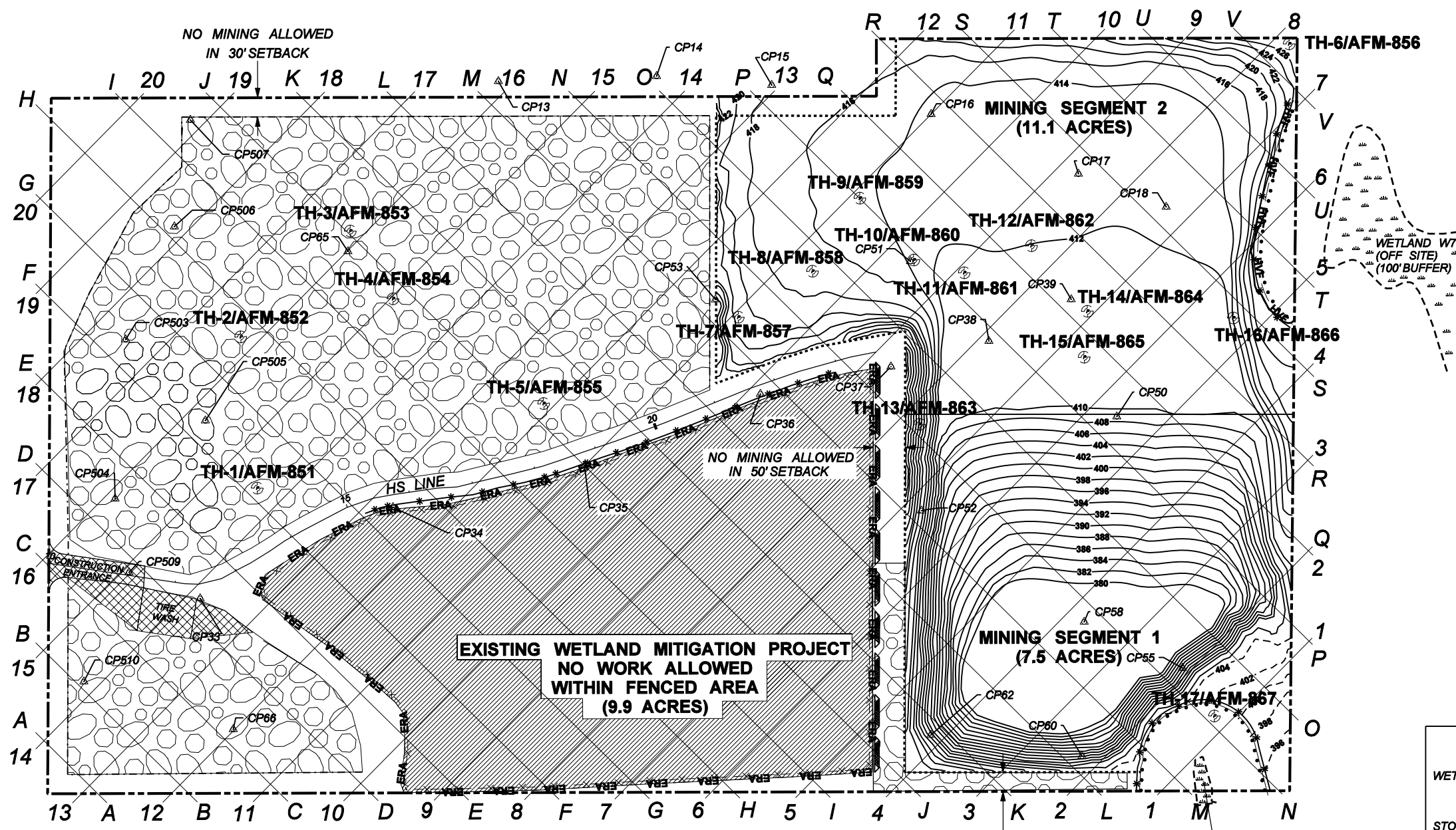


SECTION 35 T 41N. R. 1E. W. M.



NUMBER	NORTHING	EASTING	EXIST. ELEV.	MIN. ELEV.
CP13	1061094.75	1533618.10	429.36	
CP14	1061342.72	1533615.51	423.76	
CP15	1061522.75	1533633.32	419.49	
CP16	1061771.38	1533684.39	420.70	413.88
CP17	1062000.05	1533782.90	426.87	412.78
CP18	1062136.47	1533837.61	427.83	412.58
CP33	1060610.02	1534418.41	417.84	
CP34	1060915.23	1534282.06	424.64	
CP35	1061216.57	1534223.45	422.42	
CP36	1061494.56	1534117.06	423.08	
CP37	1061699.95	1534078.70	436.65	
CP38	1061854.20	1534041.89	444.37	410.88
CP39	1061984.46	1533979.39	443.61	411.33
CP51	1061733.97	1533914.32	440.68	413.75
CP52	1061742.84	1534305.42	435.60	419.00
CP53	1061427.39	1533967.60	431.54	430.00
CP55	1062146.15	1534560.88	407.70	391.75
CP58	1061993.80	1534485.22	415.15	380.00
CP60	1061985.79	1534695.52	410.99	396.00
CP62	1061749.88	1534657.30	414.58	405.00
CP65	1060853.34	1533879.55	421.60	
CP66	1060657.40	1534624.70	417.55	
CP503	1060502.15	1534010.20	416.78	
CP504	1060480.23	1534259.16	413.24	
CP505	1060624.24	1534139.92	437.53	
CP506	1060582.38	1533834.82	416.54	
CP509	1060499.62	1534375.21	418.08	
CP510	1060425.20	1534544.76	417.02	

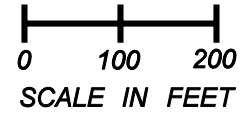
**EXISTING WETLAND MITIGATION PROJECT
NO WORK ALLOWED
WITHIN FENCED AREA
(9.9 ACRES)**

**MINING SEGMENT 1
(7.5 ACRES)**

**MINING SEGMENT 2
(11.1 ACRES)**

WETLAND SYMBOL		WETLAND BUFFER	
STOCKPILE AREA		MINING LIMIT	
EXISTING WETLAND MITIGATION SITE		30' SETBACK LINE	
PROPERTY BOUNDARY		EDGE OF HAUL ROAD	
WETLAND BOUNDARY		CONTOUR LINE	
CONTROL POINT		SILT FENCE	
HIGH VISIBILITY FENCE		COMPOST BERM	
CONSTRUCTION ENTRANCE/TIRE WASH		ENVIRONMENTAL RESOURCE AREA BOUNDARY	

H STREET PIT (F-95) MINING & STOCKPILE CUT TOPOGRAPHY



FILE NAME	I:\DESIGN\A53910\DCADD\H STREET PIT\XL2044_Bore_Hole_ps.dgn			REGION NO.	STATE	FED.AID PROJ.NO.	Washington State Department of Transportation	SR 539 TENMILE ROAD TO SR 546 WIDENING - STAGE 1	Plot 1
TIME	3:36:19 PM			10	WASH				
DATE	1/7/2008			JOB NUMBER	07A028		PIEZOMETER BORING PLAN	SHEET 1 OF 1 SHEETS	
PLOTTED BY	solovel			CONTRACT NO.	LOCATION NO.				
DESIGNED BY	L. SCHOLTEN			DATE	DATE				
ENTERED BY	I. SOLOVEY			P.E. STAMP BOX	P.E. STAMP BOX				
CHECKED BY	L. SCHOLTEN								
PROJ. ENGR.	C. DAMITIO								
REGIONAL ADM.	L. ENG			REVISION	DATE	BY			



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation ft

HOLE No. H-10-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Jim Benson Lic# 2294

Site Address _____

Inspector Dave Nelson

Start May 18, 2001 Completion May 18, 2001 Well ID# AFM-860 Equipment Becker Hammer

Station _____ Offset _____ Hole Dia 49 Method Dual Wall Air Percussion
(inches)

Northing _____ Easting _____ Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5								B-1		Well graded SAND with gravel, cobbles, very dense, brow, moist, Homogeneous, no HCl reaction			
10								B					
15								B-2		Silty SAND with gravel, cobbles, very dense, gray, moist, Homogeneous, no HCl reaction			
20								B					
								B-3		Silty SAND with gravel, cobbles, very dense, gray, moist, Homogeneous, no HCl reaction			



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25							B						
30							B	B-4		Silty SAND with gravel, cobbles, boulders, very dense, gray, moist, Homogeneous, no HCl reaction			
35							B						
40							B	B-5		Silty SAND with gravel, cobbles, boulders, very dense, gray, moist, Homogeneous, no HCl reaction			
45							B						



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

End of test hole boring at 49 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation ft

HOLE No. H-1-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Jim Benson Lic# 2294

Site Address _____

Inspector Dave Nelson

Start May 16, 2001 Completion May 16, 2001 Well ID# AFM-851 Equipment Becker Hammer

Station _____ Offset _____ Hole Dia 49 Method Dual Wall Air Percussion
(inches)

Northing _____ Easting _____ Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5							B	B-1		Well graded SAND with gravel, loose, brown, moist, Homogeneous, no HCl reaction			
10							B	B-2		Silty SAND with gravel, cobbles, & boulders, very dense, gray, moist, Homogeneous, no HCl reaction			
15							B	B-3					
20													

SOILA 0L-3500 I-5 TO INTERNATIONAL BOUNDARY.GPJ SOIL_GDT 1/7/08,1:22:53 P.1

05/16/2001



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25							B						
30							B	B-4		Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction			
35							B						
40							B	B-5		Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction			
45							B						



LOG OF TEST BORING

Start Card R-048644

Job No. OL-3500

SR 543

Elevation ft

HOLE No. H-1-01

Sheet 3 of 3

Project I-5 to International Boundary

Driller Jim Benson

Lic# 2294

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

End of test hole boring at 49 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation 442.2 ft

HOLE No. H-11-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Randy Newman Lic# 2294

Site Address _____

Inspector Vern Williams

Start May 18, 2001 Completion May 18, 2001 Well ID# AFM-861 Equipment Becker Hammer

Station Well 22930 Offset Per Plans Hole Dia Dual Air Method Dual Wall Air Percussion
(inches)

Northing 0.00 Easting 0.00 Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5								B-1B-01			Well graded GRAVEL with sand, subangular, very dense, gray, moist, Homogeneous, no HCl reaction		
10								B					
15													
20													



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25							B	B-2		Well graded GRAVEL with sand, subangular, very dense, gray, moist, Homogeneous, no HCl reaction			
30													
35							B						
40													
45													



LOG OF TEST BORING

Start Card R-048644

Job No. OL-3500

SR 543

Elevation 442.2 ft

HOLE No. H-11-01

Sheet 3 of 3

Project I-5 to International Boundary

Driller Randy Newman

Lic# 2294

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

05/18/2001
End of test hole boring at 49 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.

SOILA OL-3500 I-5 TO INTERNATIONAL BOUNDARY.GPJ SOIL_GDT 1/7/08,1:22:54 P.1



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation 442.7 ft

HOLE No. H-12-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Randy Newman Lic# 2294

Site Address _____

Inspector Vern Williams

Start May 20, 2001 Completion May 20, 2001 Well ID# AFM-862 Equipment Becker Hammer

Station Well 22940 Offset Per Plans Hole Dia Dual Air Method Dual Wall Air Percussion
(inches)

Northing 0.00 Easting 0.00 Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5							B	B-1B-01		Well graded GRAVEL with sand, subangular, very dense, Gray, moist, Homogeneous, no HCl reaction			
10							B	B-2		Well graded GRAVEL with sand, subangular, very dense, Gray, moist, Homogeneous, no HCl reaction			
15													
20													



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25													
30													
35													
40													
45													

SOILA OL-3500 I-5 TO INTERNATIONAL BOUNDARY.GPJ SOIL_GDT 1/7/08,1:22:55 P.1



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

B

05/20/2001

End of test hole boring at 49 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.

SOILA OL-3500 I-5 TO INTERNATIONAL BOUNDARY.GPJ SOIL_GDT 1/7/08,1:22:55 P.1



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation 438.9 ft

HOLE No. H-13-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Randy Newman Lic# 2294

Site Address _____

Inspector Vern Williams

Start May 20, 2001 Completion May 20, 2001 Well ID# AFM-863 Equipment Becker Hammer

Station Well 22935 Offset Per Plans Hole Dia Dual Air Method Dual Wall Air Percussion
(inches)

Northing 0.00 Easting 0.00 Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5							B	B-1B-01		Well graded SAND with gravel, very dense, gray, moist, Homogeneous, no HCl reaction			
10							B	B-2		Well graded GRAVEL with sand, subangular, very dense, gray, moist, Homogeneous, no HCl reaction			
15													
20													



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25													
30													
35													
40													
45													

SOILA OL-3500 I-5 TO INTERNATIONAL BOUNDARY.GPJ SOIL_GDT 1/7/08,1:22:55 P.1



LOG OF TEST BORING

Start Card R-048644

Job No. OL-3500

SR 543

Elevation 438.9 ft

HOLE No. H-13-01

Sheet 3 of 3

Project I-5 to International Boundary

Driller Randy Newman

Lic# 2294

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

B

05/20/2001

End of test hole boring at 49 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.

SOILA OL-3500 I-5 TO INTERNATIONAL BOUNDARY.GPJ SOIL_GDT 1/7/08,1:22:56 P.1



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation 444.5 ft

HOLE No. H-14-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Randy Newman Lic# 2294

Site Address _____

Inspector Vern Williams

Start May 21, 2001 Completion May 21, 2001 Well ID# AFM-864 Equipment Becker Hammer

Station Well 22941 Offset Per Plans Hole Dia Dual Air Method Dual Wall Air Percussion
(inches)

Northing 0.00 Easting 0.00 Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5								B-1B-1		Well graded GRAVEL with sand, subangular, very dense, gray, moist, Homogeneous, no HCl reaction			
10								B					
15													
20													



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25													
30								B-2			Well graded SAND with gravel, very dense, gray, moist, Homogeneous, no HCl reaction		
35													
40													
45													



LOG OF TEST BORING

Start Card R-048644

Job No. OL-3500

SR 543

Elevation 444.5 ft

HOLE No. H-14-01

Sheet 3 of 3

Project I-5 to International Boundary

Driller Randy Newman

Lic# 2294

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

05/21/2001
End of test hole boring at 49 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation 446.8 ft

HOLE No. H-15-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Randy Newman Lic# 2294

Site Address _____

Inspector Vern Williams

Start May 21, 2001 Completion May 21, 2001 Well ID# AFM-865 Equipment Becker Hammer

Station Well 22942 Offset Per Plans Hole Dia Dual Air Method Dual Wall Air Percussion
(inches)

Northing 0.00 Easting 0.00 Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5								B-1B-1			Well graded GRAVEL with sand, subangular, very dense, gray, moist, Homogeneous, no HCl reaction		
10								B					
15													
20													



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25													
30													
35													
40													
45													

SOILA OL-3500 I-5 TO INTERNATIONAL BOUNDARY.GPJ SOIL_GDT 1/7/08,1:22:57 P.1



LOG OF TEST BORING

Start Card R-048644

Job No. OL-3500

SR 543

Elevation 446.8 ft

HOLE No. H-15-01

Sheet 3 of 3

Project I-5 to International Boundary

Driller Randy Newman

Lic# 2294

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

05/21/2001

End of test hole boring at 49 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.

SOILA OL-3500 I-5 TO INTERNATIONAL BOUNDARY.GPJ SOIL_GDT 1/7/08,1:22:57 P.1



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation 427.1 ft

HOLE No. H-16-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Randy Newman Lic# 2294

Site Address _____

Inspector Vern Williams

Start May 19, 2001 Completion May 19, 2001 Well ID# AFM-866 Equipment Becker Hammer

Station Well 22946 Offset Per Plans Hole Dia Dual Air Method Dual Wall Air Percussion
(inches)

Northing 0.00 Easting 0.00 Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5								B-1			Well graded GRAVEL with sand, subangular, very dense, gray, moist, Homogeneous, no HCl reaction		
10								B-2			Well graded GRAVEL with sand, subangular, very dense, gray, moist, Homogeneous, no HCl reaction		
15													
20													



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25													
30													
35													
40													
45													

SOILA OL-3500 I-5 TO INTERNATIONAL BOUNDARY.GPJ SOIL_GDT 1/7/08,1:22:58 P.1



LOG OF TEST BORING

Start Card R-048644

Job No. OL-3500

SR 543

Elevation 427.1 ft

HOLE No. H-16-01

Sheet 3 of 3

Project I-5 to International Boundary

Driller Randy Newman

Lic# 2294

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

05/19/2001

End of test hole boring at 49 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.

SOILA OL-3500 I-5 TO INTERNATIONAL BOUNDARY.GPJ SOIL_GDT 1/7/08,1:22:58 P.1



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation 400.6 ft

HOLE No. H-17-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Randy Newman Lic# 2294

Site Address _____

Inspector Vern Williams

Start May 19, 2001 Completion May 19, 2001 Well ID# AFM-867 Equipment Becker Hammer

Station Well 22950 Offset Per Plans Hole Dia Dual Air Method Dual Wall Air Percussion
(inches)

Northing 0.00 Easting 0.00 Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5								B-1B-1			Well graded GRAVEL with sand, subangular, very dense, gray, moist, Homogeneous, no HCl reaction		
10								B					
15													
20													



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25													
30													
35													
40													
45													



LOG OF TEST BORING

Start Card R-048644

Job No. OL-3500

SR 543

Elevation 400.6 ft

HOLE No. H-17-01

Sheet 3 of 3

Project I-5 to International Boundary

Driller Randy Newman

Lic# 2294

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

End of test hole boring at 49 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation ft

HOLE No. H-2-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Jim Benson Lic# 2294

Site Address _____

Inspector Dave Nelson

Start May 14, 2001 Completion May 14, 2001 Well ID# AFM-852 Equipment Becker Hammer

Station _____ Offset _____ Hole Dia 48 Method Dual Wall Air Percussion
(inches)

Northing _____ Easting _____ Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5								B-1		Well graded SAND with gravel, cobbles, very dense, brown, moist, Homogeneous, no HCl reaction			
10								B-2		Silty SAND with gravel, cobbles, very dense, gray, moist, Homogeneous, no HCl reaction			
15								B-3		Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction			
20													

SOILA 0L-3500 I-5 TO INTERNATIONAL BOUNDARY.GPJ SOIL_GDT 1/7/08,1:22:59 P.1



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25							B						
30							B	B-4			Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction		
35							B						
40							B	B-5			Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction		
45							B						



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

End of test hole boring at 48 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation ft

HOLE No. H-3-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Jim Benson Lic# 2294

Site Address _____

Inspector Dave Nelson

Start May 15, 2001 Completion May 15, 2001 Well ID# AFM-853 Equipment Becker Hammer

Station _____ Offset _____ Hole Dia 49 Method Dual Wall Air Percussion
(inches)

Northing _____ Easting _____ Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5							B	B-1		Well graded SAND with gravel, cobbles, very dense, brown, moist, Homogeneous, no HCl reaction			
10							B	B-2		Silty SAND with gravel, cobbles, very dense, gray, moist, Stratified, Homogeneous, no HCl reaction, silt layer 13 to 15			
15							B	B-3		Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction			
20													



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25							B						
30							B	B-4		Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction			
35							B						
40							B	B-5		Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction			
45							B						



LOG OF TEST BORING

Start Card R-048644

Job No. OL-3500

SR 543

Elevation ft

HOLE No. H-3-01

Sheet 3 of 3

Project I-5 to International Boundary

Driller Jim Benson

Lic# 2294

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

End of test hole boring at 49 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.

SOILA OL-3500 I-5 TO INTERNATIONAL BOUNDARY.GPJ SOIL_GDT 1/7/08,1:23:00 P.1



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation ft

HOLE No. H-4-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Jim Benson Lic# 2294

Site Address _____

Inspector Dave Nelson

Start May 15, 2001 Completion May 15, 2001 Well ID# AFM-854 Equipment Becker Hammer

Station _____ Offset _____ Hole Dia 49 Method Dual Wall Air Percussion
(inches)

Northing _____ Easting _____ Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5							B	B-1		Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction			
10							B	B-2		Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction			
15							B	B-3		Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Stratified, Homogeneous, no HCl reaction,			
20													



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25								B					
30								B-4			Well graded SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction		
35								B					
40								B-5			Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction		
45								B					



LOG OF TEST BORING

Start Card R-048644

Job No. OL-3500 SR 543 Elevation ft

HOLE No. H-4-01

Sheet 3 of 3

Project I-5 to International Boundary

Driller Jim Benson Lic# 2294

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

End of test hole boring at 49 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.

SOILA OL-3500 I-5 TO INTERNATIONAL BOUNDARY.GPJ SOIL_GDT 1/7/08,1:23:01 P1



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation ft

HOLE No. H-5-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Jim Benson Lic# 2294

Site Address _____

Inspector Dave Nelson

Start May 16, 2001 Completion May 16, 2001 Well ID# AFM-855 Equipment Becker Hammer

Station _____ Offset _____ Hole Dia 49 Method Dual Wall Air Percussion
(inches)

Northing _____ Easting _____ Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
0								B-1			Silty SAND with gravel, cobbles, very dense, gray, moist, Homogeneous, no HCl reaction		
5								B					
10								B-2			Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction		
15								B					
20								B-3			Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction		



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25													
								B-4			Well graded SAND with gravel, cobbles, very dense, brown, moist, Homogeneous, no HCl reaction		
30													
								B-5			Well graded SAND with gravel, cobbles, very dense, brown, moist, Homogeneous, no HCl reaction		
35													
								B-6			Silty SAND with gravel, cobbles, very dense, gray, moist, Homogeneous, no HCl reaction		
40													
45													



LOG OF TEST BORING

Start Card R-048644

Job No. OL-3500

SR 543

Elevation ft

HOLE No. H-5-01

Sheet 3 of 3

Project I-5 to International Boundary

Driller Jim Benson

Lic# 2294

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

End of test hole boring at 49 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation 427.1 ft

HOLE No. H-6-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Randy Newman Lic# 2294

Site Address _____

Inspector Vern Williams

Start May 21, 2001 Completion May 21, 2001 Well ID# AFM-856 Equipment Becker Hammer

Station Well 22945 Offset Per Plans Hole Dia Dual Air Method Dual Wall Air Percussion
(inches)

Northing 0.00 Easting 0.00 Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5								B-1		Well graded GRAVEL with sand, subangular, very dense, gray, moist, Homogeneous, no HCl reaction			
10								B					
15													
20													



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
								VB-2					
25													
30													
35													
40													
45													

SOILA OL-3500 I-5 TO INTERNATIONAL BOUNDARY.GPJ SOIL_GDT 1/7/08,1:23:02 P.1



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

B

05/21/2001

End of test hole boring at 49 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.

SOILA OL-3500 I-5 TO INTERNATIONAL BOUNDARY.GPJ SOIL_GDT 1/7/08,1:23:03 P.1



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation ft

HOLE No. H-7-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Jim Benson Lic# 2294

Site Address _____

Inspector Dave Nelson

Start May 17, 2001 Completion May 17, 2001 Well ID# AFM-857 Equipment Becker Hammer

Station _____ Offset _____ Hole Dia 49 Method Dual Wall Air Percussion
(inches)

Northing _____ Easting _____ Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5							B	B-1		Well graded SAND with gravel, cobbles, very dense, brown/gray, moist, Homogeneous, no HCl reaction			
10							B	B-2		Silty SAND with gravel, cobbles, very dense, gray, moist, Stratified, Homogeneous, no HCl reaction, 14 to 16 silt layer			
15							B	B-3		Silty SAND with gravel, cobbles, very dense, gray, moist, Homogeneous, no HCl reaction			
20													



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25							B						
30							B	B-4		Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction			
35							B						
40							B	B-5		Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction			
45							B						



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation ft

HOLE No. H-8-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Jim Benson Lic# 2294

Site Address _____

Inspector Dave Nelson

Start May 17, 2001 Completion May 17, 2001 Well ID# AFM-858 Equipment Becker Hammer

Station _____ Offset _____ Hole Dia 49 Method Dual Wall Air Percussion
(inches)

Northing _____ Easting _____ Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5								B-1		Well graded SAND with gravel, cobbles, very dense, brown, moist, Homogeneous, no HCl reaction			
10								B-2		Silty SAND with gravel, cobbles, very dense, gray, moist, Stratified, Homogeneous, no HCl reaction, 15 to 17 silt layer			
15								B-3		Silty SAND with gravel, very dense, gray, moist, Stratified, Homogeneous, no HCl reaction, 26 to 28 silty			
20													



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25							B						
30							B	B-4			Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction		
35							B						
40							B	B-5			Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction		
45							B						



LOG OF TEST BORING

Start Card R-048644

Job No. OL-3500

SR 543

Elevation ft

HOLE No. H-8-01

Sheet 3 of 3

Project I-5 to International Boundary

Driller Jim Benson

Lic# 2294

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

End of test hole boring at 49 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.



LOG OF TEST BORING

Start Card R-048644

Job No. 0L-3500 SR 543 Elevation ft

HOLE No. H-9-01

Sheet 1 of 3

Project I-5 to International Boundary

Driller Jim Benson Lic# 2294

Site Address _____

Inspector Dave Nelson

Start May 17, 2001 Completion May 17, 2001 Well ID# AFM-859 Equipment Becker Hammer

Station _____ Offset _____ Hole Dia 49 Method Dual Wall Air Percussion
(inches)

Northing _____ Easting _____ Collected by _____ Datum _____

County Whatcom Subsection SE-SE Section 35 Range 1 EWM Township 41

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
5							B	B-1		Well graded SAND with gravel, cobbles, very dense, gray, moist, Homogeneous, no HCl reaction			
10							B	B-2		Silty SAND with gravel, cobbles, very dense, gray, moist, Homogeneous, no HCl reaction			
15							B	B-3		Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction			
20													



Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
25							B						
30							B	B-4			Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction		
35							B						
40							B	B-5			Silty SAND with gravel, cobbles & boulders, very dense, gray, moist, Homogeneous, no HCl reaction		
45							B						



LOG OF TEST BORING

Start Card R-048644

Job No. OL-3500

SR 543

Elevation ft

HOLE No. H-9-01

Sheet 3 of 3

Project I-5 to International Boundary

Driller Jim Benson

Lic# 2294

Depth (ft)	Elevation (ft)	Profile	Field SPT (N)				Blows/6" (N) and/or RQD FF	Sample Type	Sample No. (Tube No.)	Lab Tests	Description of Material	Groundwater	Instrument
			20	40	60	80							
50													
55													
60													
65													
70													

End of test hole boring at 49 ft below ground elevation. This is a summary Log of Test Boring. Soil/Rock descriptions are derived from visual field identifications and laboratory test data.