

Project: King County WTD / Brightwater Conveyance System
Project Location: King & Snohomish Counties, Washington
Contract Number: E23007E

Log of Boring E-364

Sheet 1 of 4

Date(s) Drilled	5/21/03 - 5/21/03	Geotechnical Consultant	Logged By	SHE	Checked By
Drilling Method/Rig Type	Mud Rotary/ CME-85	Drilling Contractor	Gregory Drilling, Inc.		Total Depth of Borehole
Casing Size/Type		Hammer Weight/Drop (lbs/in.)	300/30		Ground Surface Elevation/Datum
Location	18906 80th Avenue NE	Coordinates	N 282262 E 1296130		Elevation Source
					Scaled

Elevation, feet	Depth, feet	SAMPLES				USCS	MATERIAL DESCRIPTION	Piezometer Schematic	Lab Tests	Pocket Penetrometer (tsf)	REMARKS AND OTHER TESTS
		Type Number	Blows / 6 in. (N)	Recovery, %	Graphic Log						
0						SM	4-Inches Asphaltic Concrete				
160							Silty fine to coarse SAND, subrounded to subangular, dark volcanics and qtz				
5											
155											
10											
150											
15						SM	Olive brown, silty SAND to sandy Silt (SM-ML), Sand fine to coarse, trace to some Gravel				Drillers note: color change brown to gray 15', weathered till to fresh, or Qvt to older
145											
20											
140											
25											

Groundwater Observation Data:
 OW (FT BGS): 4.0 (Low) 2.6 (High)
 VWP1 (FT BGS):
 VWP2 (FT BGS):

Remarks: Negative Groundwater Data indicates measurements above Ground Surface
 Recovery values > 100 indicate sample expansion during sampling.

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Elevation, feet	Depth, feet	SAMPLES				USCS	MATERIAL DESCRIPTION	Piezometer Schematic	Lab Tests	Pocket Penetrometer (tsf)	REMARKS AND OTHER TESTS
		Type Number	Blows / 6 in. (N)	Recovery, %	Graphic Log						
25											
135											
	30	D1	50/4" (100+)	98		SW-SC	Very dense, olive gray, wet, gravelly clayey SAND (SW-SC) CLAY (Ph ₁ as coating around clasts, SAND fine to coarse, well graded				
130						SP-SM	GRAVEL rounded, Blocky Qpf (TILL), cuttings less SILT, more fine SAND, formation change?				
125						GP	Driller note, GRAVEL bed				
120						SM					
115						ML	Less SILTY, more fine SAND. >60% black and green volcanics				Driller note: smoother drilling below 45'
110											
105		D2	50/6" (100+)	0			Hard, even drive hard, clay green, dry-moist, very sandy SILT. (ML), trace gray, trace-some GRAVEL, non-plastic but slightly sticky, wavy partings (Ph)-possible rapid deposition or plowing sand mainly fine (Qva)				1' slough in hole - hard even drive
60											

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Elevation, feet	Depth, feet	SAMPLES				USCS	MATERIAL DESCRIPTION	Piezometer Schematic	Lab Tests	Pocket Penetrometer (tsf)	REMARKS AND OTHER TESTS
		Type	Number	Blows / 6 in. (N)	Recovery, %						
60											
100											
65							Diller note: interbedded SAND layers				
95											
70											
90							SANDY interval Diller note: more SILTY				
75							Interbedded SILT and SAND				
85											
80		D3		13 - 26 - 50/6" (100+)	78	CL	Hard, olive gray, moist, silty CLAY (CL), trace fine sand, sand bed in tip, medium plastic slow dilatanc, scattered, homogenous, fresit surface sparkles possible mica (Ph), intermittant light SILT and laminae and stringers (Qva)				Occasional hesitstions-at 9" and 15"
80											
85		D4		9 - 13 - 16 (29)	78		Silty CLAY as above, wavy bedding with possible climbing ripples (Ph), very stiff				Even drive
75											
90		D5		9 - 10 - 13 (23)	78		Silty CLAY as above, very stiff fine SAND pocket and stringers				Even drive
70											
95		D6		8 - 13 - 15 (28)	100		Silty CLAY, as above, vertical fine SAND seams				Even drive



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Elevation, feet	Depth, feet	SAMPLES				USCS	MATERIAL DESCRIPTION	Piezometer Schematic	Lab Tests	Pocket Penetrometer (tsf)	REMARKS AND OTHER TESTS
		Type	Number	Blows / 6 in. (N)	Recovery, %						
95											
65		D7	8 - 11 - 12	(23)	100		Silty CLAY, as above, rare GRAVEL, occasional partings (possible bedding)				Even drive
100		D8	8 - 12 - 19	(31)	100		Silty CLAY, as above, homogeneous, indistinct wavy bedding at top (Ph) BCN approximately 5 degrees				Occasional hesitations
60											
105		D9	12 - 17 - 28	(45)	0		Silty CLAY, as above, with some SILT/fine SAND beds (<1mm to 3mm) clear bedding contacts, BCN approximately 5 degrees				Even drive with rebound
55											
110											
50		D10	6 - 10 - 8	(18)	0	SP	Medium dense, olive gray, wet, SAND (SP) trace silt, fine grained, poorly sorted, homogeneous, 60/40 subangular quartz/subrounded volcanics				Even dirve
115							Terminate boring at 115 feet below ground surface				
45											
120											
40											
125											
35											
130											

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