

Project: INFILTRATION BASIN SITE SELECTION STUDY
Project Location: I-405, Wilshire Boulevard

Log of Boring 405S-1-MW-1

Sheet 1 of 2

Date(s) Drilled	4/11/02	Logged By	P. Salter	Checked By	M. Siem
Drilling Method	Hollow-Stem Auger	Drill Bit Size/Type	203mm & 254mm auger bits	Total Depth of Borehole	15.7 meters
Drill Rig Type	CME 85	Drilling Contractor	A & R Drilling	Approximate Surface Elevation	98.2 m MSL
Groundwater Level(s)	Not encountered	Sampling Method(s)	Continous Coring/Modified California	Hammer Data	63.5 kg, 762mm drop
Borehole Backfill	See Well Construction Figure	Location	See Site Plan		

Elevation, meters	Depth, meters	SAMPLES				Graphic Log	MATERIAL DESCRIPTION	Water Content, %	P.I.D., ppm	REMARKS AND OTHER TESTS
		Type	Number	Sampling Resistance, blows/0.30m	Core Recovery, %					
98	0									Start at 0800. Post Hole to 1.5m
	1									Note: 76mm Diameter Continous Coring to 4.6m with 203mm diameter Hollow Stem Auger.
	2	1	5		1-2-5'	Silty sand (SM) loose to medium dense, brown, moist, fine to medium grained sand, with occasional fine grained gravel and organics	9			HYD:63%<#200 pH=7.0; O.M.=1.8% CEC=0.092 me/g
96	2.5	2				Sandy silt (ML) stiff, dark brown, moist, fine to medium grained sand	6	0.9		
	3	3	13			Silt with sand (ML) stiff, brown, moist, fine to coarse grained sand, trace fine gravel, with some rootlets	22			SA: 82%<#200
	4	4				Poorly graded sand with silt and gravel (SP-SM) medium dense, mottled gray and brown, moist, fine to coarse grained sand, gravel consists of slate clasts	1	1.0		WA: 10%<#200
94	4.5	5	10			silt with sand (ML) stiff/medium dense, brown, moist, fine to medium grained	15			SA: 78%<#200
	6	6	9				17			Note: Boring overdrilled to 4.6m with 254mm diameter HSA. Below 4.6m 254mm HSA used.
92	7	7	38			Sandy silt (ML) stiff, dark brown, moist, fine grained sand, with clay and fine grained gravel	3			
90	8					Poorly graded sand with silt and gravel (SP-SM) dense, mottled gray and brown, moist, fine to coarse grained sand, fine grained gravel consisting of slate clasts				WA: 7%<#200
	9									

Figure 405S-1-4

Elevation, meters	Depth, meters	SAMPLES				Graphic Log	MATERIAL DESCRIPTION	Water Content, %	PIID, ppm	REMARKS AND OTHER TESTS
		Type	Number	Sampling Resistance, blows/0.30m	Core Recovery, %					
			8	52			As above with gravel up to 50mm in diameter			
88	10						Sandy silt (ML) very stiff, dark brown, moist, fine grained sand, with some coarse grained sand and fine grained gravel			
	11		9	27			Silty sand (SM) medium dense, dark brown, moist, fine grained sand, with some fine grained gravel			
							↳ Becomes fine to medium grained sand			
86	12		10	14						
	13									
84	14		11	32			Silty sand (SM) medium dense, dark grayish brown, moist, fine to medium grained sand, with some grained gravel and trace clay			From 13.7m driller indicates "binding," augers smoking. Driller adds 5 gallons DI water to get cuttings up.
	15		12	18	12-2-50'		Sandy lean clay (CL) hard, mottled dark gray and brown, moist, fine grained sand, with some fine grained gravel			
82	16						Bottom of boring at 15.7 meters			Finish at 1112.
	17									
80	18									
	19									

Figure 405S-1-4