

PROJECT NAME: BRAINTREE
 SITE NAME: TH-23
 STATION: 11+86.6
 OFFSET: 3.50
 VTSPG NAD83: N 540483.97 ft E 1600666.96 ft

PROJECT NUMBER: BRO 1444(36)
 SITE NUMBER: BR-12
 GROUND ELEVATION: 705.06 ft
 GROUNDWATER DEPTH: NONE TAKEN
 PROJECT PIN NUMBER: 95J292

BORING CREW
 CREW CHIEF: PORTER
 DRILLER: PORTER
 LOGGER: WERNER

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: WASH BORE
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: NSM

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
			RUN	REC (%)	ROD (%)	Dip (deg)	Drill Rate (min/ft)		
		A-1-a, SaGr, brn, Moist, Rec. = 1.4 ft	14	4.4	52.6	35.2	12.2		
		A-1-b, SiGrSa, brn, Moist, Rec. = 1.6 ft	17	7.0	36.7	43.2	20.1		
		A-1-b, SiGrSa, brn, Moist, Rec. = 1.3 ft	10	8.6	33.7	43.6	22.7		
		A-1-a, SaGr, brn-gry, Moist, Rec. = 1.3 ft	35	8.9	60.4	24.2	15.4		
		A-1-a, SaGr, gry, Wet, Rec. = 1.1 ft	11	12.7	51.1	34.2	14.7		
		A-1-a, SaGr, gry, Wet, Rec. = 1.3 ft	11	11.3	54.8	33.1	12.1		
		A-4, Si, gry, Wet, Rec. = 1.0 ft	5	29.6	8.5	6.6	84.9		
		A-4, Si, gry, Wet	2	30.3	0.0	2.7	97.3		
		Visual Classification, Si, gry, Wet, Rec. = 1.3 ft	2	33.8					
		Visual Classification, Si, gry, Wet, Rec. = 1.4 ft	3	34.0					
		A-4, Si, gry, Wet, Rec. = 2.0 ft	3	35.4	0.0	0.3	99.7		
		Visual Classification, Si, gry, Wet, Rec. = 2.0 ft	2	36.0					
		A-4, Si, gry, Wet, Rec. = 2.0 ft	4	36.9	0.0	1.1	98.9		
		Visual Classification, Si, gry, Wet, Rec. = 2.0 ft	WH	37.3					
		A-4, Si, gry, Wet, Rec. = 0.9 ft	WH	40.8	0.0	0.6	99.4	35	2
		Visual Classification, Si, gry, Wet, Rec. = 2.0 ft	1	38.2					
		Visual Classification, Si, gry, Wet, Rec. = 2.0 ft	1	41.3					
		A-4, Si, gry, Wet, Rec. = 1.1 ft	WH	40.1	0.0	0.8	99.2		
		A-1-a, SaGr, gry, Wet, Rec. = 0.7 ft, Broken Rock was within sample.	35	11.8	61.8	26.0	12.2		
		Dark gray, Phyllite, with occasional pyrite rich zones. Competent. Low RQD possibly due to mechanical breakage during drilling. Moderately soft, Unweathered, BXMDC, 67.0 ft - 72.0 ft, Rec. = 4.6 ft	1	92	18	50	8		
		Dark gray, Phyllite, with occasional pyrite rich zones. Competent. Low RQD possibly due to mechanical breakage during drilling. Moderately soft, Unweathered, BXMDC, 72.0 ft - 77.0 ft, Rec. = 4.95 ft	2	99	60	50	10		
		Hole stopped @ 77.0 ft					11		

BOTTOM OF ABUT. 2
ELEV. 697.50

PILE DEPTH (ESTIMATED)
ELEV. 638.00
@ ABUT. 2

LOG OF BORING - BRAINTREE - BRO 1444(36) - VP - ADT.GBT - 12/4/09

PROJECT NAME: BRAINTREE
 SITE NAME: TH-23
 STATION: 11+31.6
 OFFSET: -7.50
 VTSPG NAD83: N 540475.96 ft E 1600611.57 ft

PROJECT NUMBER: BRO 1444(36)
 SITE NUMBER: BR-12
 GROUND ELEVATION: 706.32 ft
 GROUNDWATER DEPTH: 9.5 ft
 PROJECT PIN NUMBER: 95J292

BORING CREW
 CREW CHIEF: PORTER
 DRILLER: PORTER
 LOGGER: WERNER

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
 BORING TYPE: WASH BORE
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: NSM

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	ROD (%)	Dip (deg)	Drill Rate (min/ft)
		A-1-a, SaGr, brn, Moist, Rec. = 1.4 ft	19	3.2	54.3	32.4	13.3
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.6 ft	20	7.9	33.3	40.7	26.0
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.4 ft	10	9.1	30.9	44.6	24.5
		A-1-b, SiGrSa, brn, Moist, Rec. = 1.2 ft	4	9.2	35.3	43.9	20.8
		A-1-b, SaGr, brn, Wet, Rec. = 0.9 ft	3	14.6	42.5	39.9	17.6
		A-4, SaSi, brn, Wet, Rec. = 1.3 ft	7	24.1	18.5	30.6	50.9
		Field Note: No Recovery, Appears to be silt	3				
		Visual Classification, Si, gry, Wet, Rec. = 0.8 ft	3	31.7			
		A-4, Si, gry, Wet, Rec. = 1.5 ft	3	34.1	0.0	1.1	98.9
		A-4, Si, gry, Wet, Rec. = 1.6 ft	3	35.1	0.0	0.5	99.5
		Visual Classification, Si, gry, Wet, Rec. = 2.0 ft	3	35.8			
		A-2-4, SiSaGr, gry, Wet, Rec. = 1.4 ft	11	11.2	38.8	34.0	27.2
		Field Class: Cobbles, BXDC, Cleaned out casing					
		A-1-b, SaGr, gry, Wet, Rec. = 0.8 ft	68	9.4	55.1	29.2	15.7
		Dark gray, Meta-Limestone, grading to phyllite. Competent. Low RQD possibly due to mechanical breakage during drilling. Moderately soft to moderately hard, Unweathered, BXMDC, 34.5 ft - 38.5 ft, Rec. = 3.4 ft	1	85	29	50	7
		Dark gray, Phyllite, Competent. Low RQD possibly due to mechanical breakage during drilling. Moderately soft, Unweathered, BXMDC, 38.5 ft - 41.5 ft, Rec. = 2.7 ft	2	90	11	50	6
		Dark gray, Phyllite, Competent. Low RQD possibly due to mechanical breakage during drilling. Moderately soft, Unweathered, BXMDC, 41.5 ft - 42.5 ft, Rec. = 1.0 ft	3	100	0	50	9
		Hole stopped @ 42.5 ft					16

BOTTOM OF ABUT. 1
ELEV. 698.50

PILE DEPTH (ESTIMATED)
ELEV. 671.50
@ ABUT. 1

LOG OF BORING - BRAINTREE - BRO 1444(36) - VP - ADT.GBT - 12/4/09