

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	HOLE SEALED
								GR	CS	FS	SI	CL	LL	PL	PI			
ASPHALT (6.0") & BASE (12.0")	814.6	1																
MEDIUM DENSE, GRAY, STONE FRAGMENTS WITH SAND , LITTLE SILT, TRACE CLAY, DAMP	813.1	2	13	5	13	22	SS-1	-	50	18	11	17	4	NP	NP	NP	5	A-1-b (0)
VERY STIFF, BROWN, SANDY SILT , SOME CLAY, LITTLE STONE FRAGMENTS , MOIST	811.6	3	6	3	10	61	SS-2	3.50	17	8	12	35	28	26	16	10	18	A-4a (6)
LOOSE, GRAY, GRAVEL WITH SAND , TRACE SILT, TRACE CLAY, (NOT ENOUGH MATERIAL TO TEST), DAMP	810.1	4	2	3	9	22	SS-3	1.00	-	-	-	-	-	-	-	-	8	A-1-b (V)
STIFF, GRAY, SILTY CLAY , LITTLE SAND, LITTLE GRAVEL, SLIGHTLY ORGANIC, NO RECOVERY, AUGER CUTTINGS TAKEN, MOIST	808.6	5	2	3	10	0	SS-4	-	-	-	-	-	-	-	-	-	22	A-6b (V)
@8.5': DARK GRAY, MODERATELY ORGANIC (LOI = 4.1%), NO RECOVERY, AUGER CUTTINGS TAKEN	805.3	6	3	2	9	0	SS-5	-	12	3	12	40	33	35	19	16	25	A-6b (10)
VERY STIFF, BROWN AND GRAY MOTTLED, SILTY CLAY , TRACE SAND, TRACE GRAVEL, MOIST	803.6	7	4	5	16	61	B6	2.50	-	-	-	-	-	-	-	-	23	A-6b (V)
@13.5': HARD	803.0	8	6	8	27	72	SS-7	4.50	4	3	5	41	47	36	19	17	18	A-6b (11)
@15.0': LITTLE SAND		9	7	8	28	83	SS-8	4.50	1	3	8	38	50	36	17	19	18	A-6b (12)
@16.5': GRAY		10	7	8	28	100	SS-9	4.50	5	4	7	38	46	33	16	17	16	A-6b (11)
HARD, GRAY, SILT AND CLAY , LITTLE SAND, TRACE GRAVEL, DAMP	796.6	11	4	7	25	94	SS-10	4.50	7	3	7	34	49	32	19	13	17	A-6a (9)
@19.5': VERY STIFF		12	5	5	18	28	SS-11	4.00	-	-	-	-	-	-	-	-	16	A-6a (V)
MEDIUM DENSE, BLACK, GRAVEL WITH SAND , TRACE SILT, TRACE CLAY, WET	793.6	13	7	10	24	89	SS-12	-	17	52	22	7	2	NP	NP	NP	17	A-1-b (0)
@23.5': 4.0' OF HEAVING SAND ENCOUNTERED		14	4	8	25	56	SS-13	-	-	-	-	-	-	-	-	-	16	A-1-b (V)
DENSE, BLACK, COARSE AND FINE SAND , LITTLE GRAVEL, LITTLE SILT, TRACE CLAY, WET	788.6	15	9	9	31	89	SS-14	-	16	31	39	12	2	NP	NP	NP	16	A-3a (0)
@28.5': MEDIUM DENSE, 4.0' OF HEAVING SAND ENCOUNTERED		16	4	6	22	78	SS-15	-	-	-	-	-	-	-	-	-	16	A-3a (V)
VERY STIFF, GRAY, SANDY SILT , SOME CLAY, LITTLE GRAVEL, DAMP	781.1	17	11	12	30	100	SS-16	-	-	-	-	-	-	-	-	-	12	A-3a (V)
@36.0': HARD		18	5	6	25	89	SS-17	2.50	12	8	14	39	27	19	14	5	12	A-4a (6)
@43.5': "AND" STONE FRAGMENTS	770.3	19	14	22	82	89	SS-18	4.50	-	-	-	-	-	-	-	-	10	A-4a (V)
LIMESTONE , LIGHT GRAY, SLIGHTLY WEATHERED, STRONG TO VERY STRONG, THIN BEDDED, VUGGY, SLIGHTLY STYOLITIC, BLOCKY, VERY GOOD TO GOOD; RQD 91%, REC 100%.		20	21	32	101	94	SS-19	4.50	-	-	-	-	-	-	-	-	12	A-4a (V)
@ 46.8' - 47.1'; $\gamma = 166$ pcf; $Q_u = 28,556$ psi		21	38	50	-	69	SS-20A	4.50	-	-	-	-	-	-	-	-	13	A-4a (V)
@ 51.7' - 52.0'; HIGH ANGLE FRACTURE		22	50	50/4"	-		SS-20B	-	-	-	-	-	-	-	-	-	7	Rock (V)
@ 52.4' - 52.8'; $\gamma = 167$ pcf; $Q_u = 7,794$ psi		23	88		100		NQ2-1											CORE
		24	93		100		NQ2-2											CORE
	758.6	25																EOB

NOTES: LAT/LONG/ELEV FROM DISTRICT SURVEY GRADE INSTRUMENT.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: POURED 50 LB. BENTONITE CHIPS; TREMIED 150 LB. BENTONITE GROUT; 90 GAL. WATER

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	HOLE SEALED		
								GR	CS	FS	SI	CL	LL	PL	PI					
VERY LOOSE, GRAY AND BLACK, SANDY SILT , LITTLE CLAY, TRACE GRAVEL, MODERATELY ORGANIC (LOI = 4.2%), MOIST	815.2	0	0	0	83	SS-1	2.00	1	4	46	32	17	NP	NP	NP	29	A-4a (3)			
HARD, GRAY, SILT AND CLAY , LITTLE SAND, TRACE GRAVEL, MOIST @3.0'; TRACE SAND @4.5' - 6.0'; VERY STIFF	813.7	1	0	0	83	SS-1	2.00	1	4	46	32	17	NP	NP	NP	29	A-4a (3)			
		2	4	5	13	56	SS-2	4.50	2	6	12	31	49	31	17	14	17	A-6a (10)		
		3	5	6	18	83	SS-3	4.50	5	2	7	41	45	29	16	13	15	A-6a (9)		
		4	5	6	21	89	SS-4	3.50	2	3	7	35	53	31	16	15	18	A-6a (10)		
		5	5	7	15	89	SS-5	4.50	7	3	6	37	47	29	16	13	18	A-6a (9)		
		6	5	7																
		7	5	5																
LOOSE, BLACK AND DARK GRAY, GRAVEL WITH SAND , TRACE SILT, TRACE CLAY, WET @8.5'; 7.0' OF HEAVING SAND ENCOUNTERED @11.0'; 3.0' OF HEAVING SAND ENCOUNTERED @13.5'; MEDIUM DENSE, 3.0' OF HEAVING SAND ENCOUNTERED @16.0'; DENSE, 3.0' OF HEAVING SAND ENCOUNTERED	806.7	8																		
		9	2	3	4	10	56	SS-6	-	16	46	27	7	4	NP	NP	NP	19	A-1-b (0)	
		10																		
		11	3	3	4	10	89	SS-7	-	-	-	-	-	-	-	-	-	21	A-1-b (V)	
		12																		
		13																		
		14	5	5	7	18	89	SS-8	-	-	-	-	-	-	-	-	-	20	A-1-b (V)	
		15																		
		16	17	13	15	42	0	SS-9	-	-	-	-	-	-	-	-	-	17	A-1-b (V)	
		17																		
VERY STIFF, GRAY, SANDY SILT , LITTLE CLAY, TRACE GRAVEL, DAMP @23.5'; HARD	796.7	18																		
		19	5	5	6	16	67	SS-10	3.50	7	8	20	48	17	16	12	4	11	A-4a (6)	
		20																		
		21	4	4	9	19	67	SS-11	4.00	-	-	-	-	-	-	-	-	12	A-4a (V)	
		22																		
		23																		
		24	12	20	22	62	89	SS-12	4.50	-	-	-	-	-	-	-	-	9	A-4a (V)	
		25																		
		26	23	21	26	70	83	SS-13	4.50	22	9	13	36	20	20	12	8	10	A-4a (4)	
		27																		
LIMESTONE , LIGHT GRAY, SLIGHTLY WEATHERED, MODERATELY STRONG, THIN BEDDED, VUGGY, SLIGHTLY STYOLITIC, BLOCKY, GOOD; RQD 95%, REC 100%. @31.3' - 31.6'; HEALED HIGH ANGLE FRACTURE @31.6' - 32.3'; HIGH ANGLE FRACTURE @ 32.3' - 32.7'; $\gamma = 161$ pcf; $Q_u = 5,225$ psi @33.0' - 34.3'; HIGH ANGLE FRACTURE @34.1' - 34.3'; CLAY SEAM WITH CORE LOSS @37.0' - 37.8'; HIGH ANGLE FRACTURE @38.6' - 39.0'; HIGH ANGLE FRACTURE	784.2	28																		
		29	10	17	25	62	56	SS-14	4.50	-	-	-	-	-	-	-	-	11	A-4a (V)	
		30																		
		31	50.0"	-	-	-	-	SS-15	-	-	-	-	-	-	-	-	-	-	Rock (V)	
		32																		
		33																		
		34	91			100		NQ2-1											CORE	
		35																		
		36																		
		37																		
38																				
39	100			100		NQ2-2												CORE		
40																				
41																				
	774.2																			

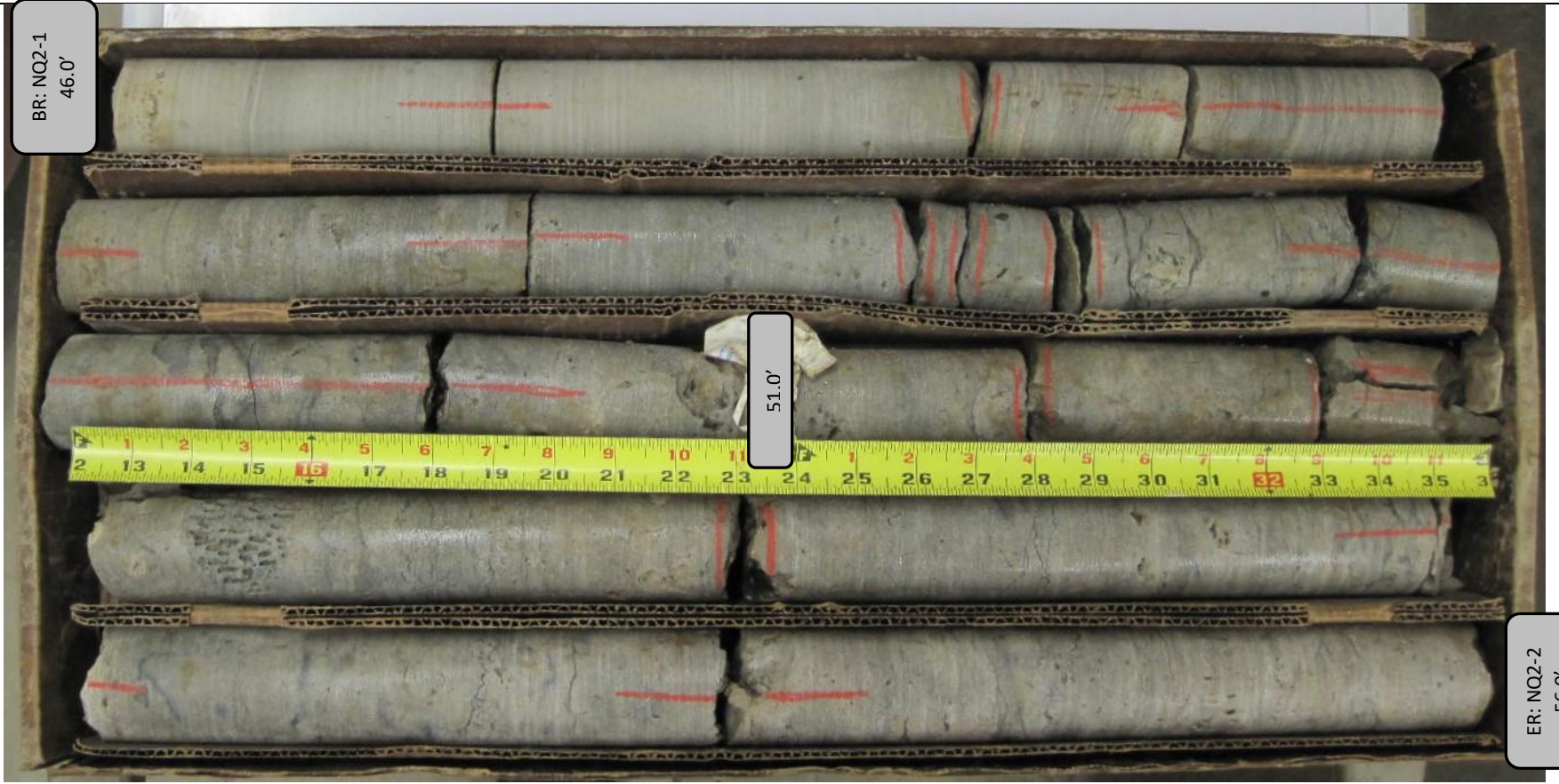
NOTES: LAT/LONG/ELEV FROM DISTRICT SURVEY GRADE INSTRUMENT.
ASPHALT (11") CONCRETE (45") 14.0' TOP OF BRIDGE TO GROUND SURFACE
ABANDONMENT METHODS: MATERIALS QUANTITIES: REMOVED TO 200' BELOW GROUT: 90 GAL. WATER

MATERIAL DESCRIPTION AND NOTES	ELEV.	DEPTHS	SPT/RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (G)	HOLE SEALED	
								GR	CS	FS	SI	CL	LL	PL	PI				
ASPHALT (6") & BASE (12")	815.8																		
MEDIUM DENSE, GRAY, STONE FRAGMENTS WITH SAND , LITTLE SILT, TRACE CLAY, DAMP	814.3	1																	
	812.8	2	12	7	15	28	SS-1	-	46	20	13	17	4	NP	NP	NP	6	A-1-b (0)	
VERY STIFF, BROWN MOTTLED WITH GRAY, SILT AND CLAY , SOME STONE FRAGMENTS, LITTLE SAND, DAMP		3	3	4	5	13	56	SS-2	4.00	25	5	10	30	30	28	17	11	15	A-6a (5)
@4.5'; STIFF, MOIST		4	4	4	6	15	61	SS-3	2.00	-	-	-	-	-	-	-	-	22	A-6a (V)
@6.0'; VERY STIFF, BROWN		5	4	4	6	15	61	SS-3	2.00	-	-	-	-	-	-	-	-	22	A-6a (V)
		6	3	6	8	21	78	SS-4	4.00	-	-	-	-	-	-	-	-	19	A-6a (V)
	807.3	7	3	6	8	21	78	SS-4	4.00	-	-	-	-	-	-	-	-	19	A-6a (V)
VERY STIFF, DARK GRAY, SILT AND CLAY , LITTLE SAND, TRACE GRAVEL, MODERATELY ORGANIC (LOI = 4.3%), MOIST		8																	
		9	3	3	4	10	78	SS-5	3.50	1	2	15	47	35	34	19	15	24	A-6a (10)
		10	3	3	4	10	78	SS-5	3.50	1	2	15	47	35	34	19	15	24	A-6a (10)
		11	4	5	6	16	94	SS-6	3.00	-	-	-	-	-	-	-	-	22	A-6a (V)
@13.5'; STIFF, "AND" SAND, NO GRAVEL		12	4	5	6	16	94	SS-6	3.00	-	-	-	-	-	-	-	-	22	A-6a (V)
		13																	
	800.8	14	3	2	3	7	94	SS-7	2.00	0	8	29	32	31	28	16	12	24	A-6a (6)
HARD, BROWN MOTTLED WITH GRAY, SILTY CLAY , LITTLE SAND, TRACE GRAVEL, MOIST		15	3	5	6	16	67	SS-8	4.50	3	4	13	33	47	36	19	17	21	A-6b (11)
		16	3	5	6	16	67	SS-8	4.50	3	4	13	33	47	36	19	17	21	A-6b (11)
		17	5	7	9	24	83	SS-9	4.50	3	3	9	34	51	39	20	19	20	A-6b (12)
		18	5	7	9	24	83	SS-9	4.50	3	3	9	34	51	39	20	19	20	A-6b (12)
	796.3	19	4	8	11	28	100	SS-10	4.50	4	3	7	35	51	38	19	19	19	A-6b (12)
HARD, GRAY, SILT AND CLAY , LITTLE GRAVEL, TRACE SAND, DAMP		20	6	7	9	24	100	SS-11	4.50	11	2	5	33	49	34	20	14	18	A-6a (10)
		21	6	7	9	24	100	SS-11	4.50	11	2	5	33	49	34	20	14	18	A-6a (10)
		22	4	8	11	28	89	SS-12	4.50	-	-	-	-	-	-	-	-	19	A-6a (V)
		23	4	8	11	28	89	SS-12	4.50	-	-	-	-	-	-	-	-	19	A-6a (V)
MEDIUM DENSE, BLACK AND DARK GRAY, COARSE AND FINE SAND , LITTLE GRAVEL, TRACE SILT, TRACE CLAY, WET	792.3	24	4	7	9/0'	-	117	SS-13	-	11	37	36	10	6	NP	NP	NP	18	A-3a (0)
@26.0'; 4.0' OF HEAVING SAND ENCOUNTERED		25																	
		26	7	8	10	27	83	SS-14	-	-	-	-	-	-	-	-	-	16	A-3a (V)
		27	7	8	10	27	83	SS-14	-	-	-	-	-	-	-	-	-	16	A-3a (V)
		28																	
		29	5	8	7	22	61	SS-15	-	-	-	-	-	-	-	-	-	15	A-3a (V)
		30	5	8	7	22	61	SS-15	-	-	-	-	-	-	-	-	-	15	A-3a (V)
STIFF, GRAY, SANDY SILT , SOME CLAY, LITTLE GRAVEL, DAMP	784.8	31	3	4	4	12	83	SS-16	2.00	11	7	16	46	20	18	14	4	13	A-4a (6)
@33.5'; VERY STIFF		32	3	4	4	12	83	SS-16	2.00	11	7	16	46	20	18	14	4	13	A-4a (6)
		33																	
		34	5	4	6	15	67	SS-17	3.50	-	-	-	-	-	-	-	-	12	A-4a (V)
		35	5	4	6	15	67	SS-17	3.50	-	-	-	-	-	-	-	-	12	A-4a (V)
		36																	
		37	5	5	8	19	83	SS-18	3.00	-	-	-	-	-	-	-	-	12	A-4a (V)
@38.5'; HARD		38	5	5	8	19	83	SS-18	3.00	-	-	-	-	-	-	-	-	12	A-4a (V)
		39	17	27	30	85	83	SS-19	4.50	-	-	-	-	-	-	-	-	10	A-4a (V)
		40	17	27	30	85	83	SS-19	4.50	-	-	-	-	-	-	-	-	10	A-4a (V)
		41																	
		42																	
		43																	
HARD, GRAY, SILT , SOME STONE FRAGMENTS, LITTLE CLAY, TRACE SAND, DAMP	772.3	44	25	28	49	114	89	SS-21	4.50	22	4	5	50	19	18	16	2	13	A-4b (7)
		45	25	28	49	114	89	SS-21	4.50	22	4	5	50	19	18	16	2	13	A-4b (7)
		46																	
	769.3	46	57				100	22	4.50	-	-	-	-	-	-	-	-	11	A-4b (V)
LIMESTONE , LIGHT GRAY AND GRAY, SLIGHTLY WEATHERED, STRONG TO VERY STRONG, THIN BEDDED, VUGGY, SLIGHTLY STYOLITIC, BLOCKY, GOOD; RQD 68%, REC 99%.		47	57				100	22	4.50	-	-	-	-	-	-	-	-	11	A-4b (V)
@46.5' - 48.8'; HIGH ANGLE FRACTURE AND FRACTURED		48																	
@ 49.4' - 49.8'; $\gamma = 166$ pcf; $Q_u = 15,130$ psi		49	47				98	NQ2-1											CORE
		50																	
		51																	
		52																	
@ 55.3' - 55.7'; $\gamma = 169$ pcf; $Q_u = 14,614$ psi		53																	
		54	88				98	NQ2-2											CORE
		55																	
	759.3	56																	

NOTES: LAT/LONG/ELEV FROM DISTRICT SURVEY GRADE INSTRUMENT.

ABANDONMENT METHODS, MATERIALS, QUANTITIES: POURED 50 LB. BENTONITE CHIPS; TREMIED 150 LB. BENTONITE GROUT; 90 GAL. WATER

B-001-0-20



Run #:	Depth		Recovery		RQD	
	NQ2-1	46.0'	51.0'	60/60	100%	53/60
NQ2-2	51.0'	56.0'	60/60	100%	56/60	93%
WYA-199-8.85 PID 102670						

B-002-0-20



Run #:	Depth		Recovery		RQD	
NQ2-1	31.0'	36.3'	64/66	98%	58/64	91%
NQ2-2	36.3'	41.0'	54/54	100%	54/54	100%
WYA-199-8.85 PID 102670						

B-003-0-20



Run #:	Depth		Recovery		RQD	
	NQ2-1	46.5'	51.0'	59/60	98%	28/60
NQ2-2	51.0'	56.5'	60/60	100%	54/60	90%
WYA-199-8.85 PID 102670						