PROJECT REFERENCE NO.	SHEET NO.
B-4722B	6 OF 6
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

PROFILE THROUGH BORINGS PROJECTED ALONG WALL 2

SOIL TEST RESULTS

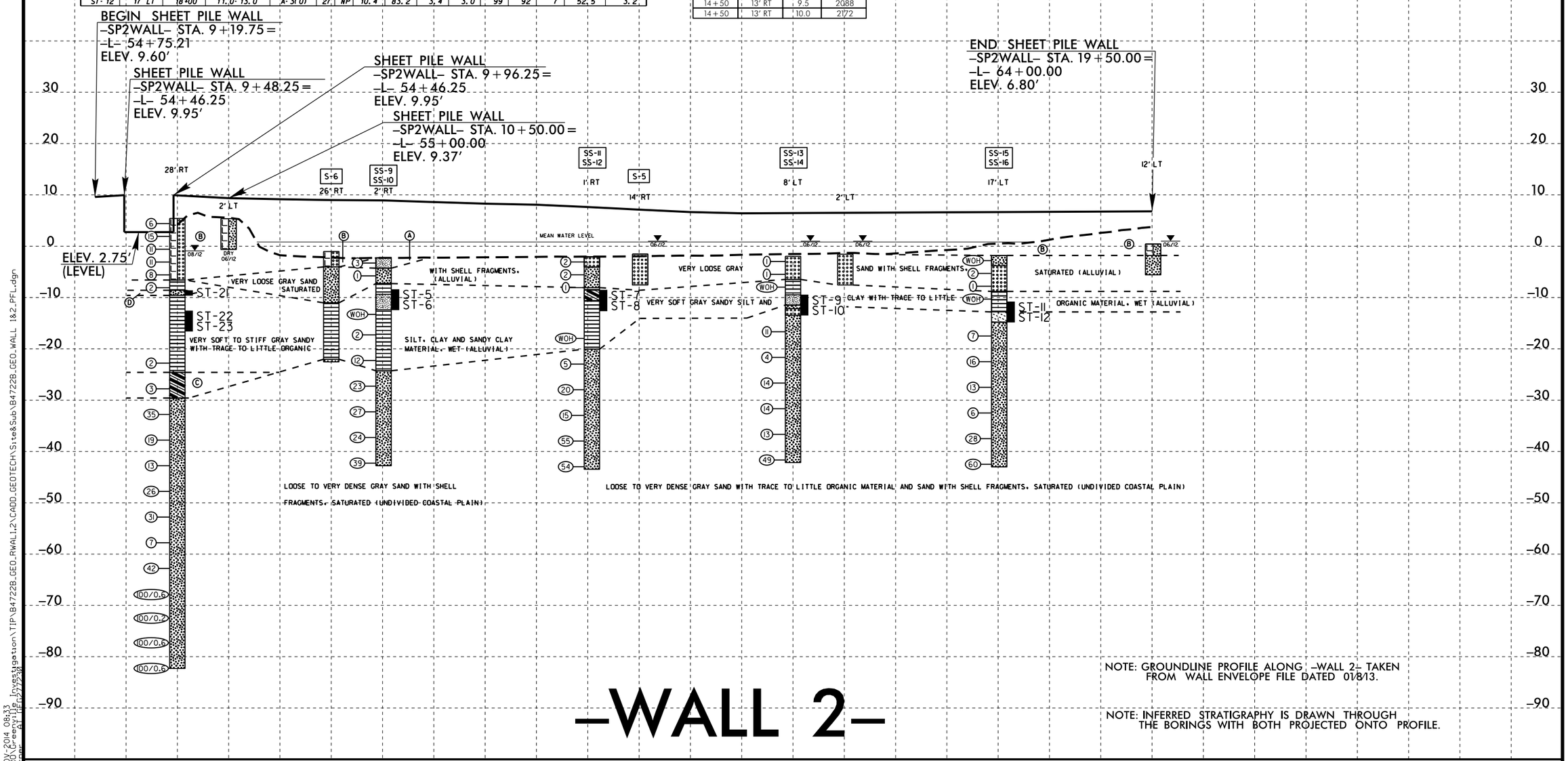
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT C SAND	F SAND	SILT	CLAY	% PASSING SIEVES 10	40	200	% MOISTURE	% ORGANIC
ST-21	28 RT	10+00	14.0- 15.0	A-2-4(0)	22	NP	12.4	70.4	8.1	9.0	98	95	18	26.5	1.1
ST-22	28 RT	10+00	18.0- 20.0	A-7-6(23)	48	27	2.6	17.9	49.2	30.2	100	99	84	71.9	6.3
S-6	26 RT	11+50	0.0- 2.0	A-3(0)	18	NP	36.0	59.6	1.3	3.1	96	88	5	-	0.9
SS-9	2 RT	12+00	0.0- 1.5	-	-	-	8.1	48.9	42.0	1.0	100	99	54	-	1.0
SS-10	2 RT	12+00	2.5- 4.0	A-2-4(0)	21	NP	19.1	69.2	7.7	4.1	90	87	11	-	1.3
ST-5#1	2 RT	12+00	6.1- 8.1	A-4(0)	27	9	9.5	46.4	28.0	16.1	74	70	37	66.6	5.7
ST-5#2	2 RT	12+00	6.1- 8.1	A-4(3)	29	8	4.6	43.6	37.8	14.1	99	98	61	66.6	3.2
SS-11	1 RT	14+04	0.0- 1.5	A-3(0)	22	NP	12.6	80.7	4.7	2.0	100	99	8	-	1.0
SS-12	1 RT	14+04	2.5- 4.0	A-2-4(0)	21	NP	23.7	66.1	6.1	4.1	96	90	11	-	1.3
ST-7	1 RT	14+04	6.5- 8.5	A-6(5)	31	14	8.5	35.4	36.0	20.1	100	98	59	59.6	3.3
S-5	14 RT	14+50	0.0- 5.5	A-2-4(0)	20	NP	23.9	63.6	5.3	7.1	82	72	11	-	1.2
SS-13	8 LT	16+00	0.0- 1.5	-	-	-	13.1	81.4	3.4	2.0	100	99	7	-	1.0
SS-14	8 LT	16+00	2.5- 4.0	A-3(0)	20	NP	21.9	70.9	4.1	3.0	95	89	8	-	0.8
ST-9	8 LT	16+00	7.5- 9.5	A-4(0)	23	7	16.7	44.8	26.4	12.1	100	95	40	63.5	4.3
ST-10#1	8 LT	16+00	9.5- 11.5	A-2-5(0)	64	NP	23.2	51.9	16.9	8.1	100	93	26	23.5	2.3
ST-10#2	8 LT	16+00	9.5- 11.5	A-3(0)	23	NP	16.4	76.5	3.0	4.0	100	98	8	23.5	1.1
ST-10#3	8 LT	16+00	9.5- 11.5	A-3(0)	15	NP	6.6	84.7	2.7	6.1	100	99	10	23.5	0.7
SS-15	17 LT	18+00	0.0- 1.5	A-2-4(0)	21	NP	12.5	75.9	5.5	6.1	99	97	13	-	1.2
SS-16	17 LT	18+00	2.5- 4.0	A-3(0)	19	NP	73.8	17.9	4.2	4.0	98	69	9	-	1.3
ST-11	17 LT	18+00	9.0- 11.0	A-7-6(15)	43	23	3.8	26.1	33.6	36.4	100	99	71	80.9	8.5
ST-12	17 LT	18+00	11.0- 13.0	A-3(0)	27	NP	10.4	83.2	3.4	3.0	99	92	7	52.5	3.2

VANE SHEAR TESTS

STATION	OFFSET	DEPTH	S (psf)
11+50	20' RT	8.0	83
11+50	20' RT	8.5	752
11+50	20' RT	9.0	1044
11+50	20' RT	9.5	1128
11+50	20' RT	10.0	1295
11+50	20' RT	10.5	1420
11+50	20' RT	11.0	1545
11+50	20' RT	11.5	1629
11+50	20' RT	12.0	1587
11+50	20' RT	12.5	2004
11+50	20' RT	13.0	3174
14+50	13' RT	6.0	84
14+50	13' RT	6.5	376
14+50	13' RT	7.0	167
14+50	13' RT	7.5	167
14+50	13' RT	8.0	1253
14+50	13' RT	8.5	1796
14+50	13' RT	9.0	1879
14+50	13' RT	9.5	2088
14+50	13' RT	10.0	2172

(A) VERY SOFT TO SOFT GRAY SANDY SILT, WET (ALLUVIAL)
(B) LOOSE TO MEDIUM DENSE TAN SAND, MOIST TO SATURATED (ROADWAY EMBANKMENT)
(C) SOFT GRAY CLAY WITH SHELL FRAGMENTS, WET (UNDIVIDED COASTAL PLAIN)
(D) VERY LOOSE GRAY SAND, SATURATED (ALLUVIAL)

VE = 2.0



NOTE: GROUNDLINE PROFILE ALONG -WALL 2- TAKEN FROM WALL ENVELOPE FILE DATED 01/8/13.

NOTE: INFERRED STRATIGRAPHY IS DRAWN THROUGH THE BORINGS WITH BOTH PROJECTED ONTO PROFILE.

5/14/99

06-NOV-2014 08:33
L:\ERO\Greenville Investigation\TIP\B4722B_GEO_RWAL1,2\CADD_GEOTECH\Site&Sub\B4722B_GEO_WALL 1&2_PFL.dgn
ROTUPER AT 1=10/7/2/30