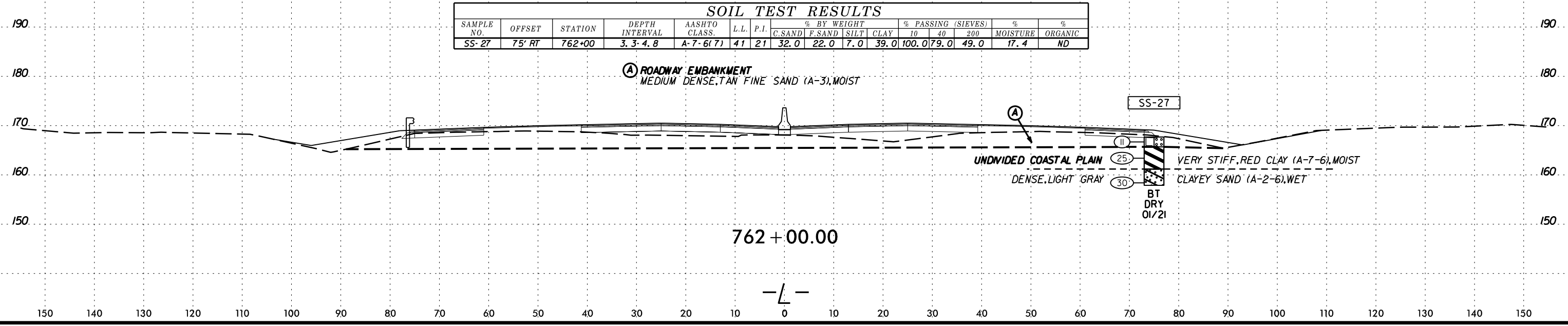


762 + 50.00

SOIL TEST RESULTS

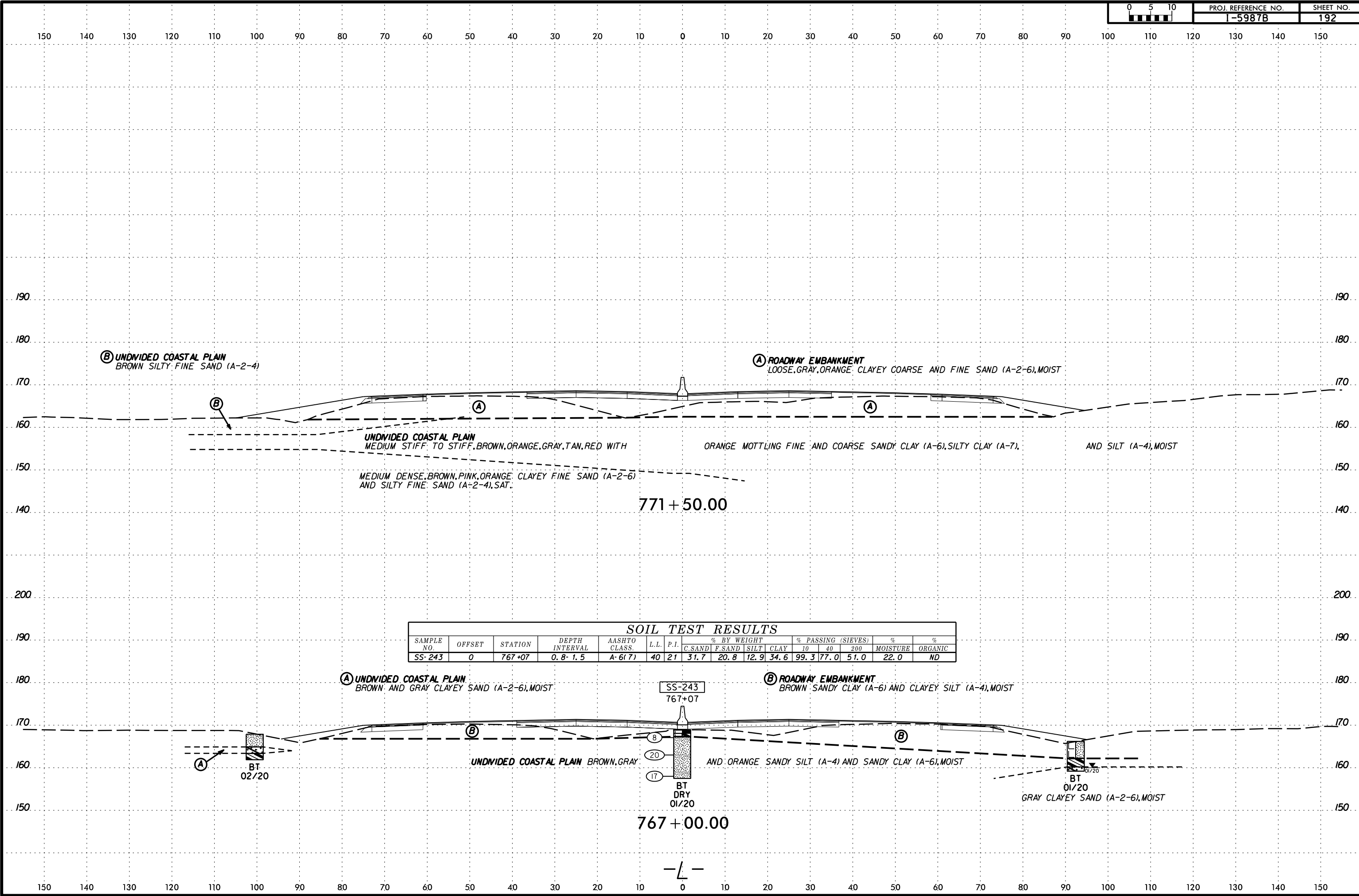
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)		% MOISTURE ORGANIC		
							C. SAND	F. SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC
SS-27	75' RT	762+00	3.3-4.8	A-7-6(7)	41	21	32.0	22.0	7.0	39.0	100.0	79.0	49.0	17.4	ND



762 + 00.00

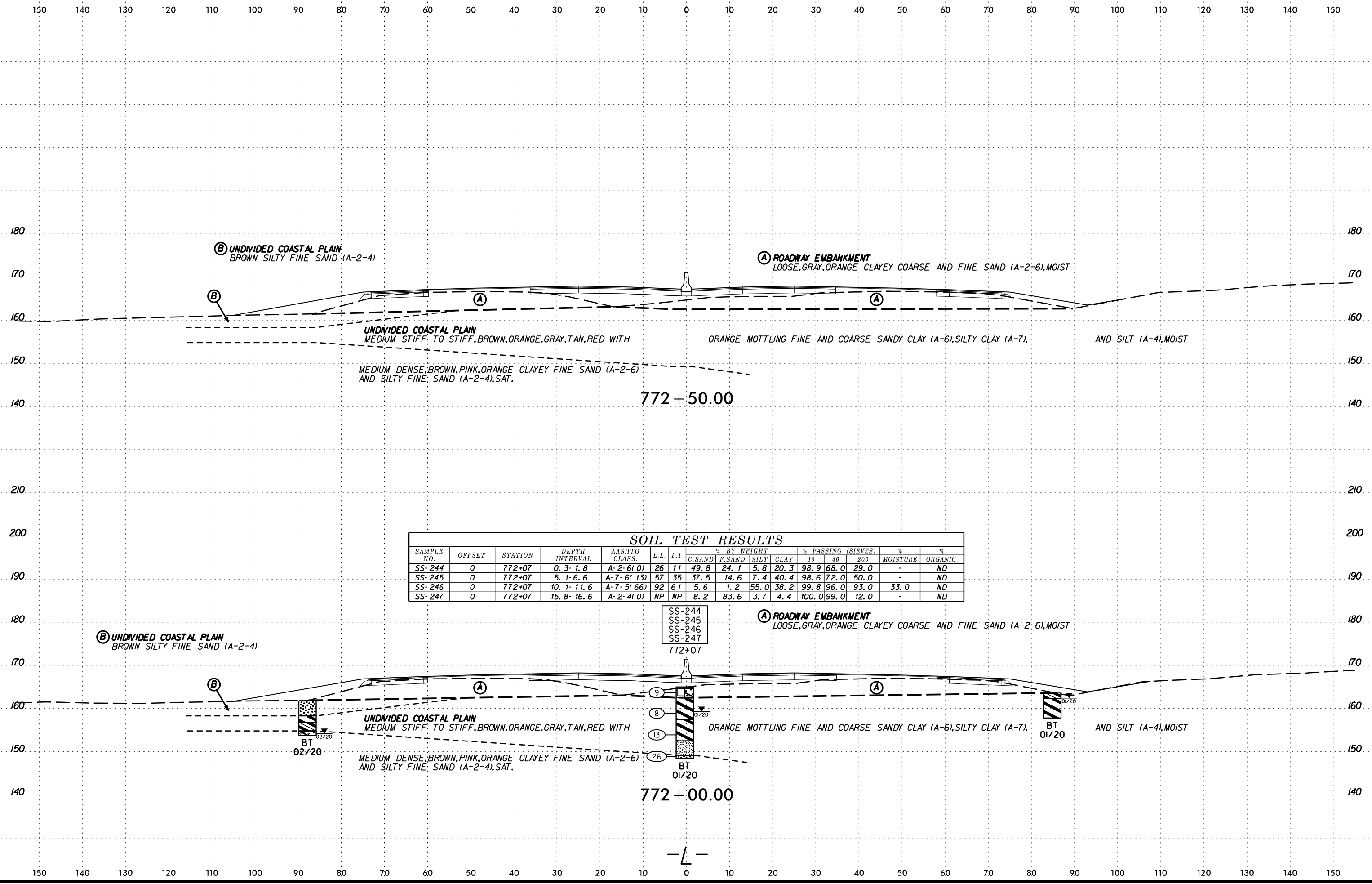
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SCALE: AS SHOWN
BY: [Signature]



SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-243	0	767+07	0.8-1.5	A-6(7)	40	21	31.7	20.8	12.9	34.6	99.3	77.0	51.0	22.0	ND

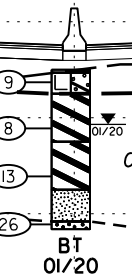
DATE PLOTTED: 06/23/16



SOIL TEST RESULTS

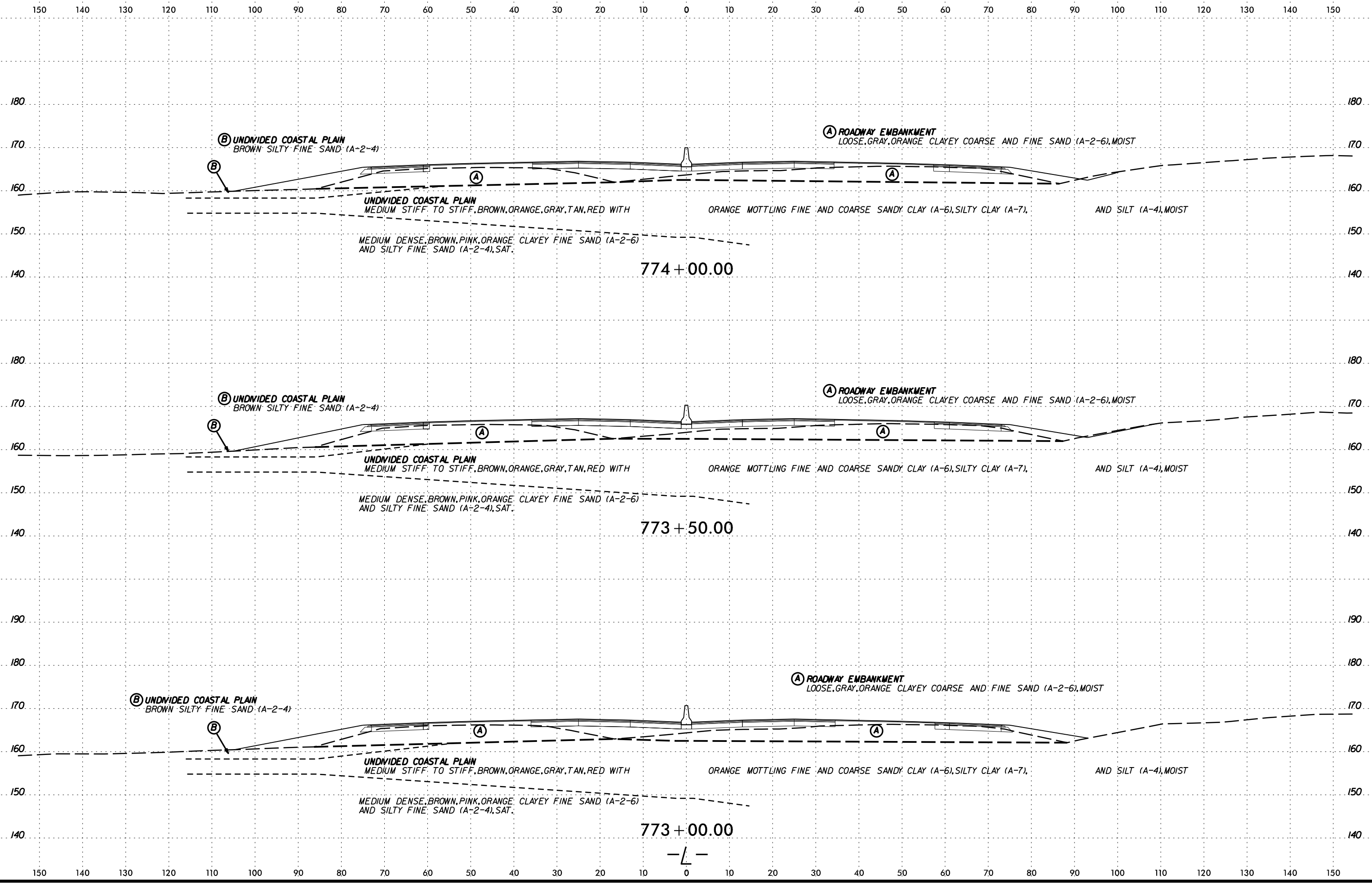
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-244	0	772+07	0.3- 1.8	A-2-6(0)	26	11	49.8	24.1	5.8	20.3	98.9	68.0	29.0	-	ND
SS-245	0	772+07	5.1- 6.6	A-7-6(13)	57	35	37.5	14.6	7.4	40.4	98.6	72.0	50.0	-	ND
SS-246	0	772+07	10.1- 11.6	A-7-5(66)	92	61	5.6	1.2	55.0	38.2	99.8	96.0	93.0	33.0	ND
SS-247	0	772+07	15.8- 16.6	A-2-4(0)	NP	NP	8.2	83.6	3.7	4.4	100.0	99.0	12.0	-	ND

SS-244
SS-245
SS-246
SS-247
772+07

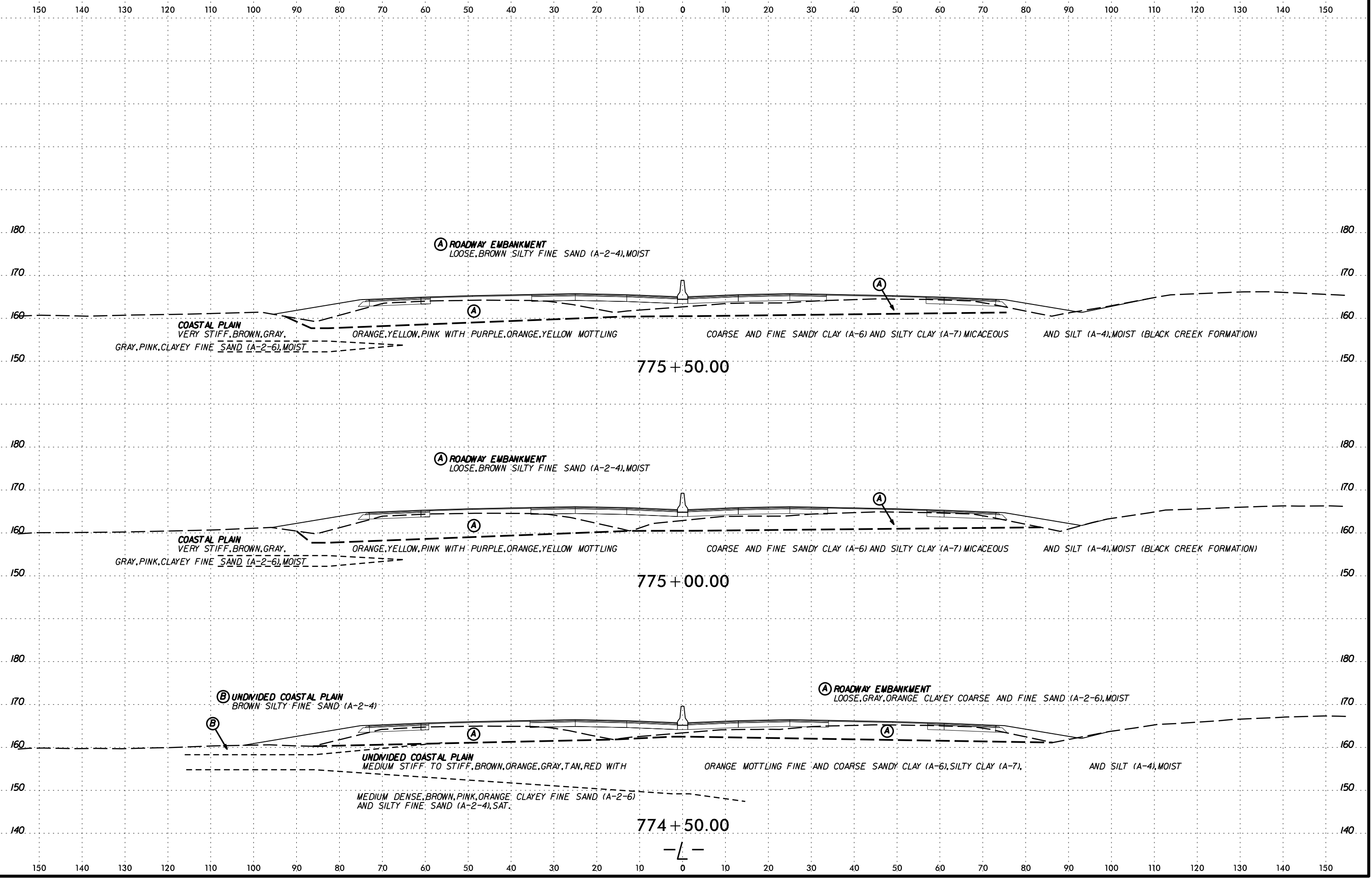


BT 01/20

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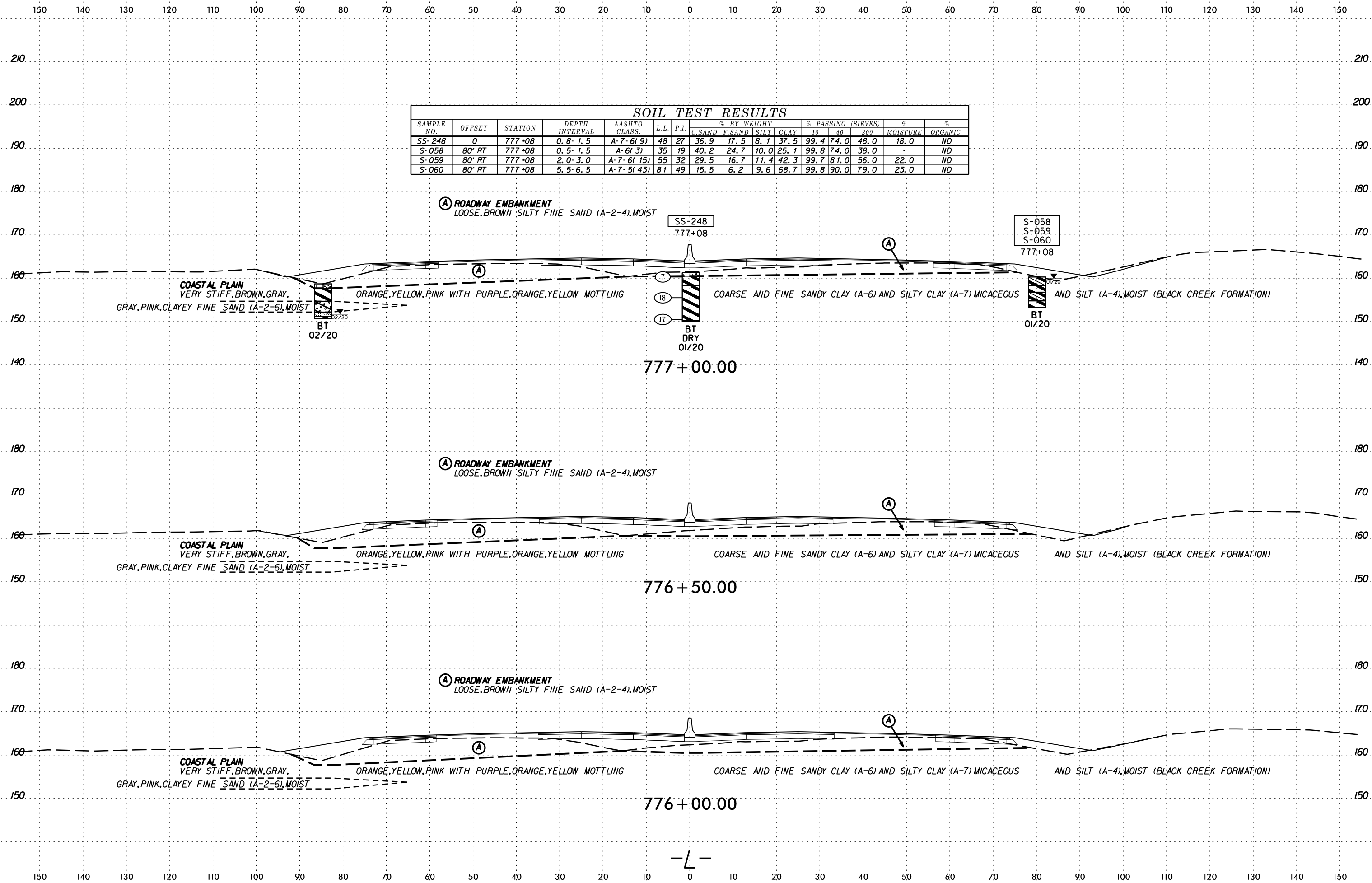


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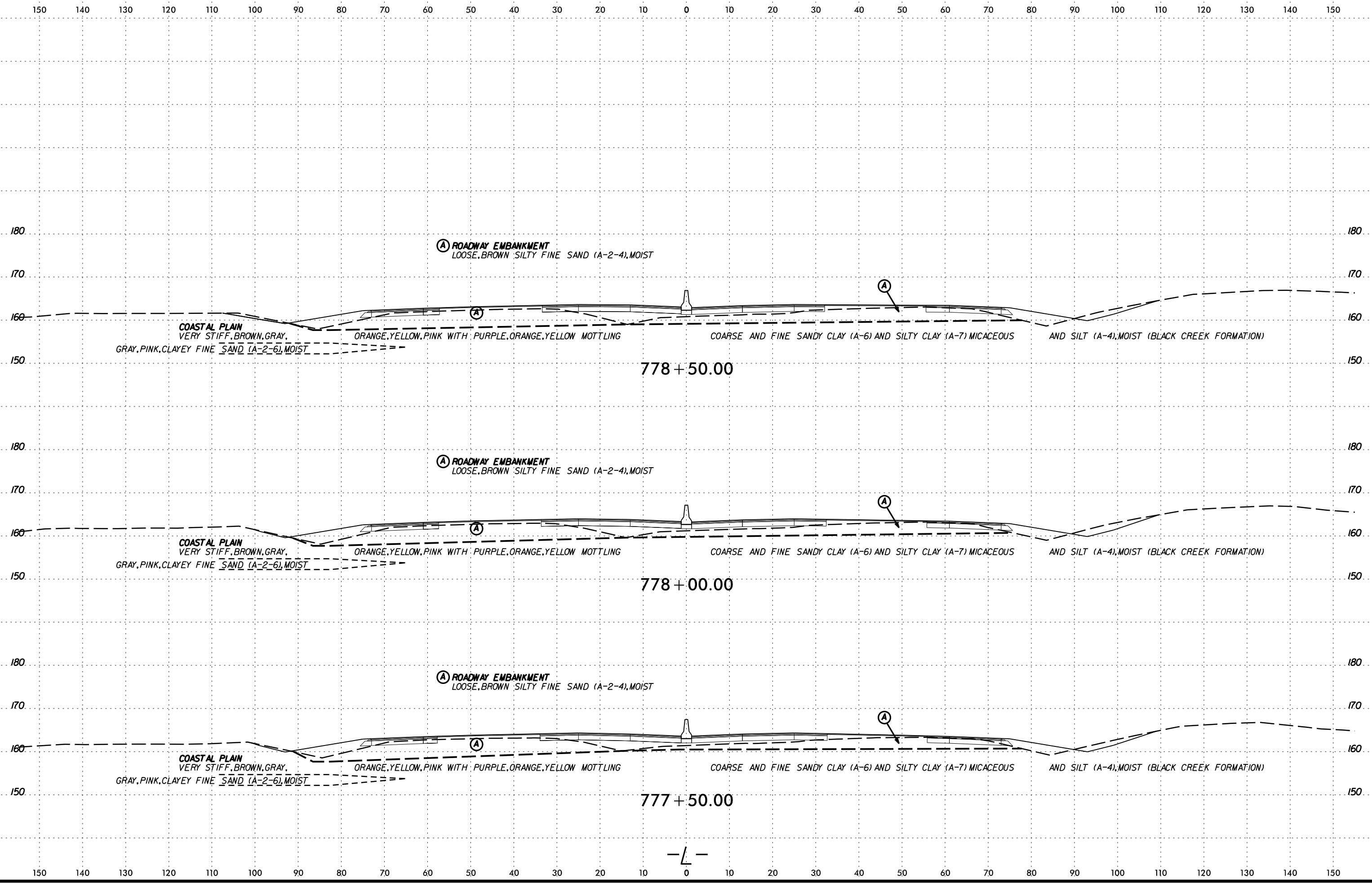


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SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-248	0	777+08	0.8-1.5	A-7-6(9)	48	27	36.9	17.5	8.1	37.5	99.4	74.0	48.0	18.0	ND
S-058	80' RT	777+08	0.5-1.5	A-6(3)	35	19	40.2	24.7	10.0	25.1	99.8	74.0	38.0	-	ND
S-059	80' RT	777+08	2.0-3.0	A-7-6(15)	55	32	29.5	16.7	11.4	42.3	99.7	81.0	56.0	22.0	ND
S-060	80' RT	777+08	5.5-6.5	A-7-5(43)	81	49	15.5	6.2	9.6	68.7	99.8	90.0	79.0	23.0	ND

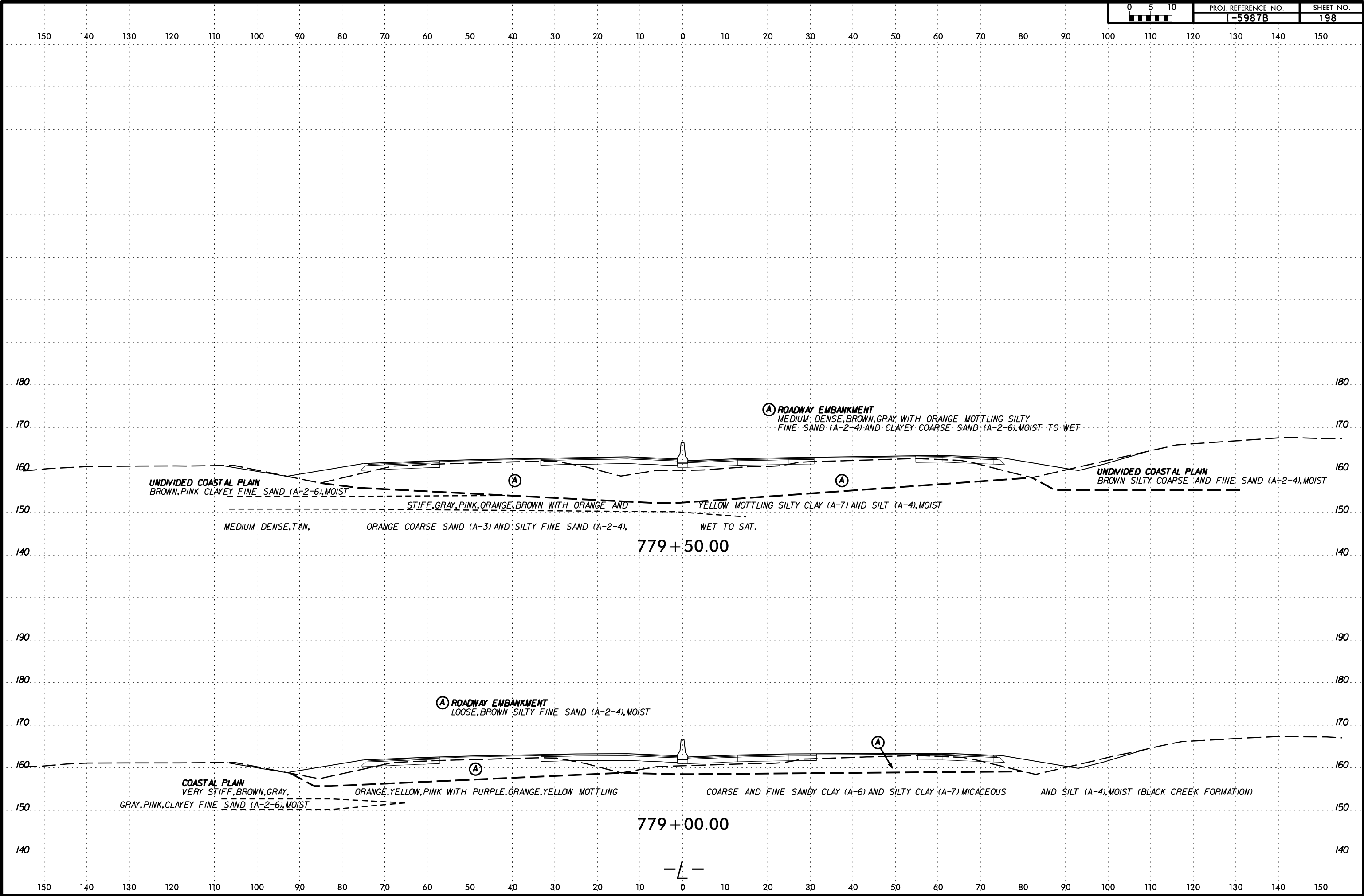


SCHEMATIC CROSS SECTION OF ROADWAY EMBANKMENT

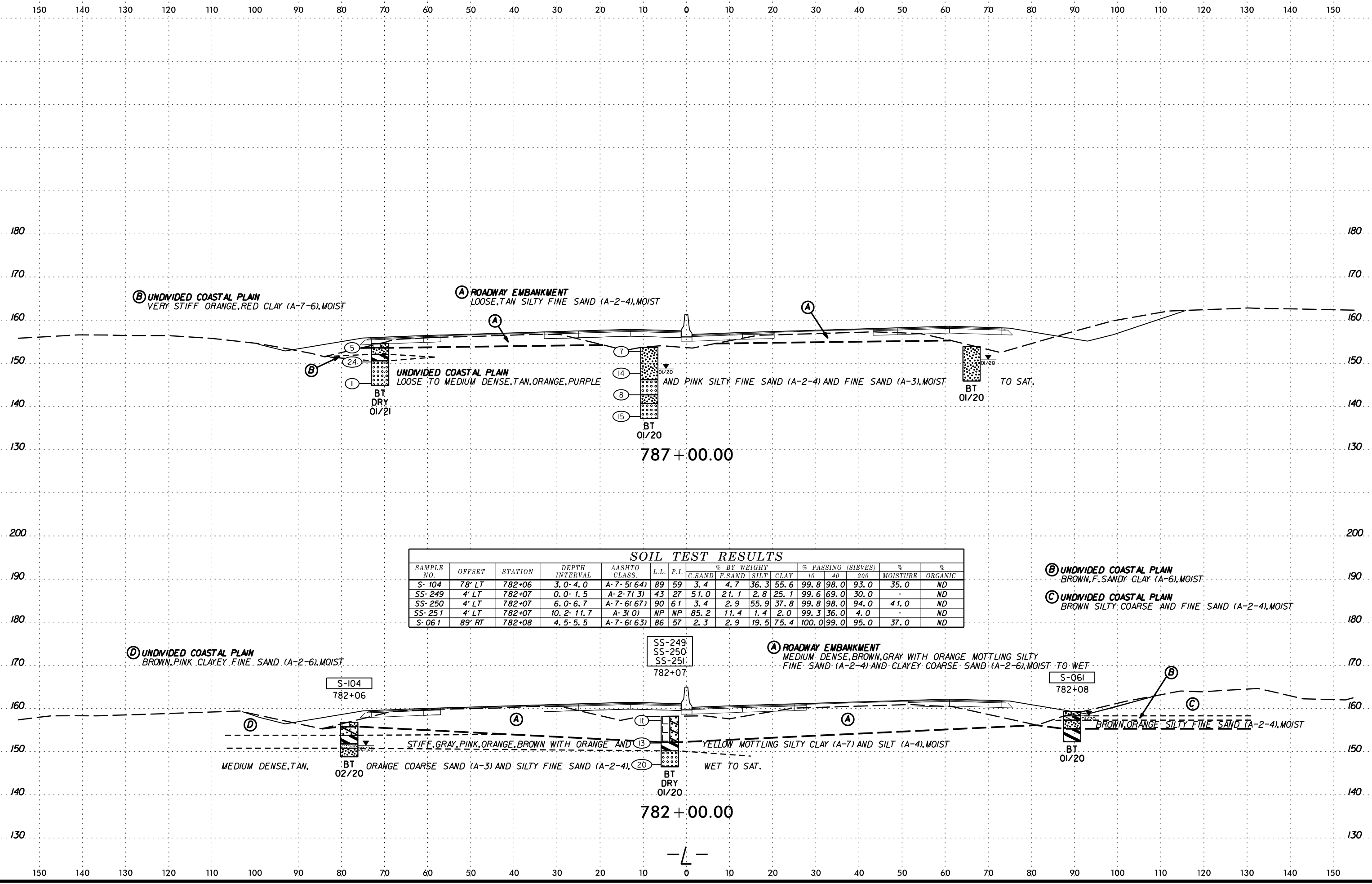


DATE: 6/23/16
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CHECKED BY: [illegible]
SCALE: AS SHOWN
SHEET NO.: 197

6/23/16

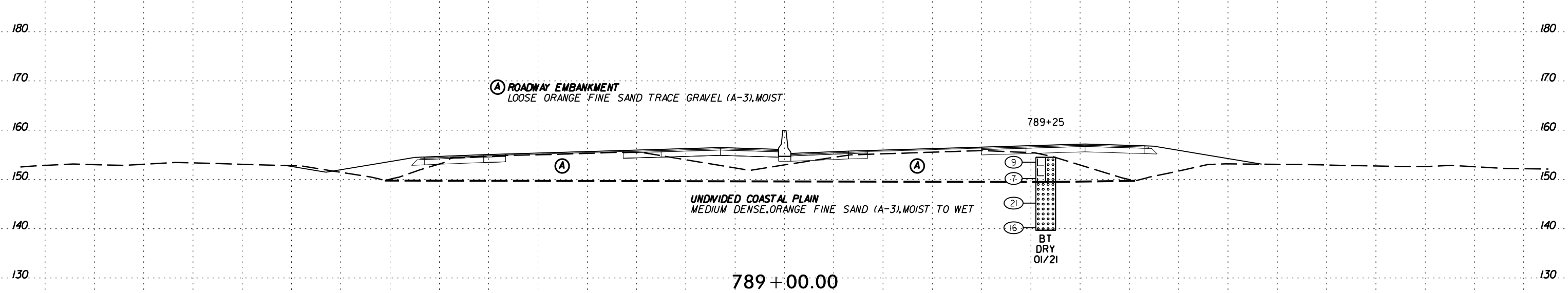
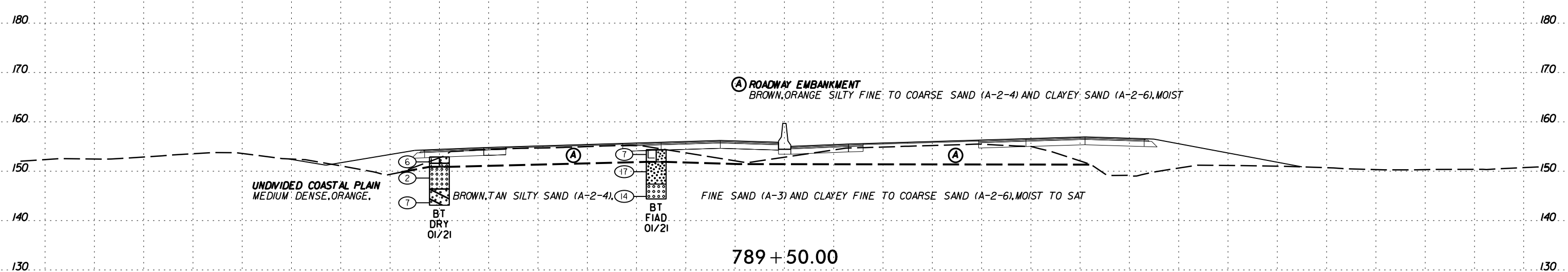
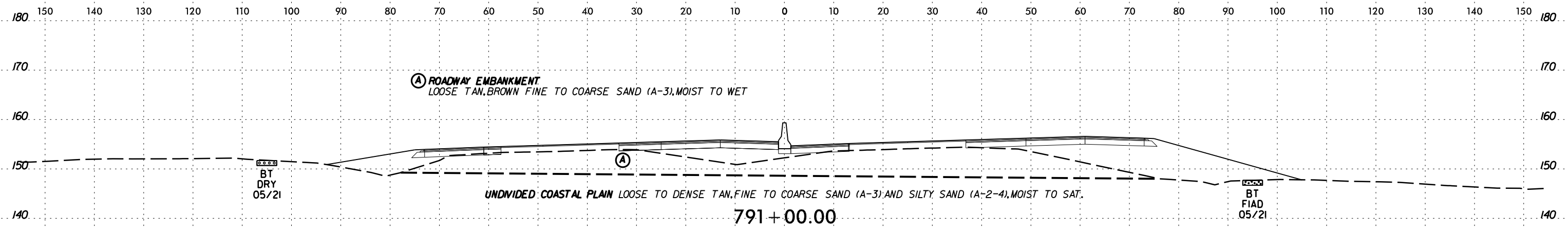


SECTION ON CENTERLINE



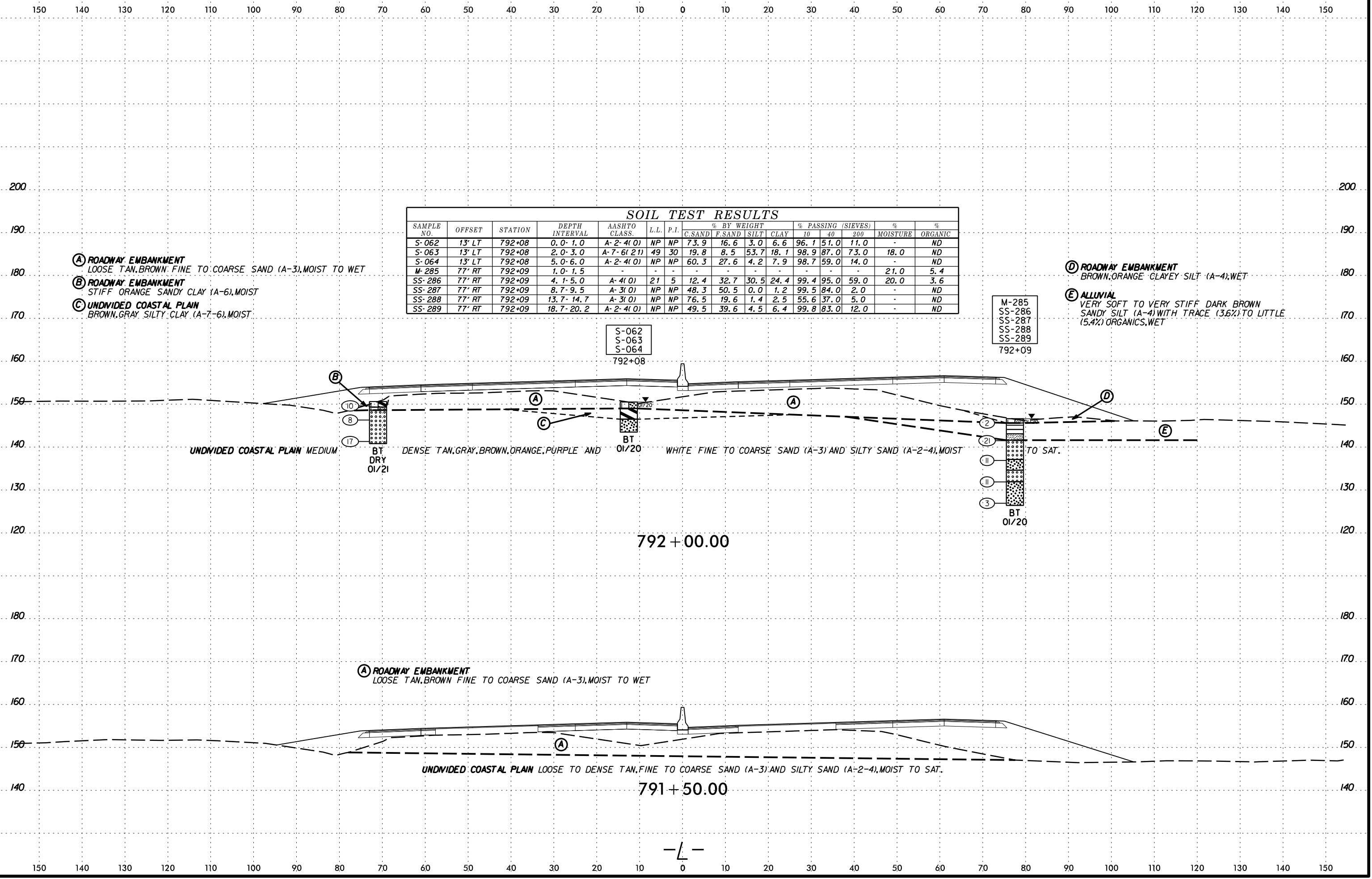
SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
S-104	78' LT	782+06	3.0-4.0	A-7-5(64)	89	59	3.4	4.7	36.3	55.6	99.8	98.0	93.0	35.0	ND
SS-249	4' LT	782+07	0.0-1.5	A-2-7(3)	43	27	51.0	21.1	2.8	25.1	99.6	69.0	30.0	-	ND
SS-250	4' LT	782+07	6.0-6.7	A-7-6(67)	90	61	3.4	2.9	55.9	37.8	99.8	98.0	94.0	41.0	ND
SS-251	4' LT	782+07	10.2-11.7	A-3(0)	NP	NP	85.2	11.4	1.4	2.0	99.3	36.0	4.0	-	ND
S-061	89' RT	782+08	4.5-5.5	A-7-6(63)	86	57	2.3	2.9	19.5	75.4	100.0	99.0	95.0	37.0	ND

SCALE: 1"=20'



DATE: 6/23/16
DRAWN BY: J. BRYAN
CHECKED BY: J. BRYAN
SCALE: AS SHOWN

6/23/16



SOIL TEST RESULTS

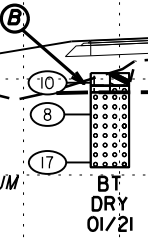
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
S-062	13' LT	792+08	0.0-1.0	A-2-4(0)	NP	NP	73.9	16.6	3.0	6.6	96.1	51.0	11.0	-	ND
S-063	13' LT	792+08	2.0-3.0	A-7-6(21)	49	30	19.8	8.5	53.7	18.1	98.9	87.0	73.0	18.0	ND
S-064	13' LT	792+08	5.0-6.0	A-2-4(0)	NP	NP	60.3	27.6	4.2	7.9	98.7	59.0	14.0	-	ND
M-285	77' RT	792+09	1.0-1.5	-	-	-	-	-	-	-	-	-	21.0	5.4	
SS-286	77' RT	792+09	4.1-5.0	A-4(0)	21	5	12.4	32.7	30.5	24.4	99.4	95.0	59.0	20.0	3.6
SS-287	77' RT	792+09	8.7-9.5	A-3(0)	NP	NP	48.3	50.5	0.0	1.2	99.5	84.0	2.0	-	ND
SS-288	77' RT	792+09	13.7-14.7	A-3(0)	NP	NP	76.5	19.6	1.4	2.5	55.6	37.0	5.0	-	ND
SS-289	77' RT	792+09	18.7-20.2	A-2-4(0)	NP	NP	49.5	39.6	4.5	6.4	99.8	83.0	12.0	-	ND

- (A) ROADWAY EMBANKMENT
LOOSE TAN, BROWN FINE TO COARSE SAND (A-3), MOIST TO WET
- (B) ROADWAY EMBANKMENT
STIFF ORANGE SANDY CLAY (A-6), MOIST
- (C) UNDIVIDED COASTAL PLAIN
BROWN, GRAY SILTY CLAY (A-7-6), MOIST

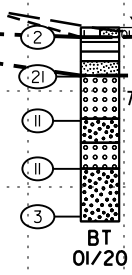
- (D) ROADWAY EMBANKMENT
BROWN, ORANGE CLAYEY SILT (A-4), WET
- (E) ALLUVIAL
VERY SOFT TO VERY STIFF DARK BROWN SANDY SILT (A-4) WITH TRACE (3.6%) TO LITTLE (5.4%) ORGANICS, WET

S-062
S-063
S-064
792+08

M-285
SS-286
SS-287
SS-288
SS-289
792+09



792+08



792+00.00

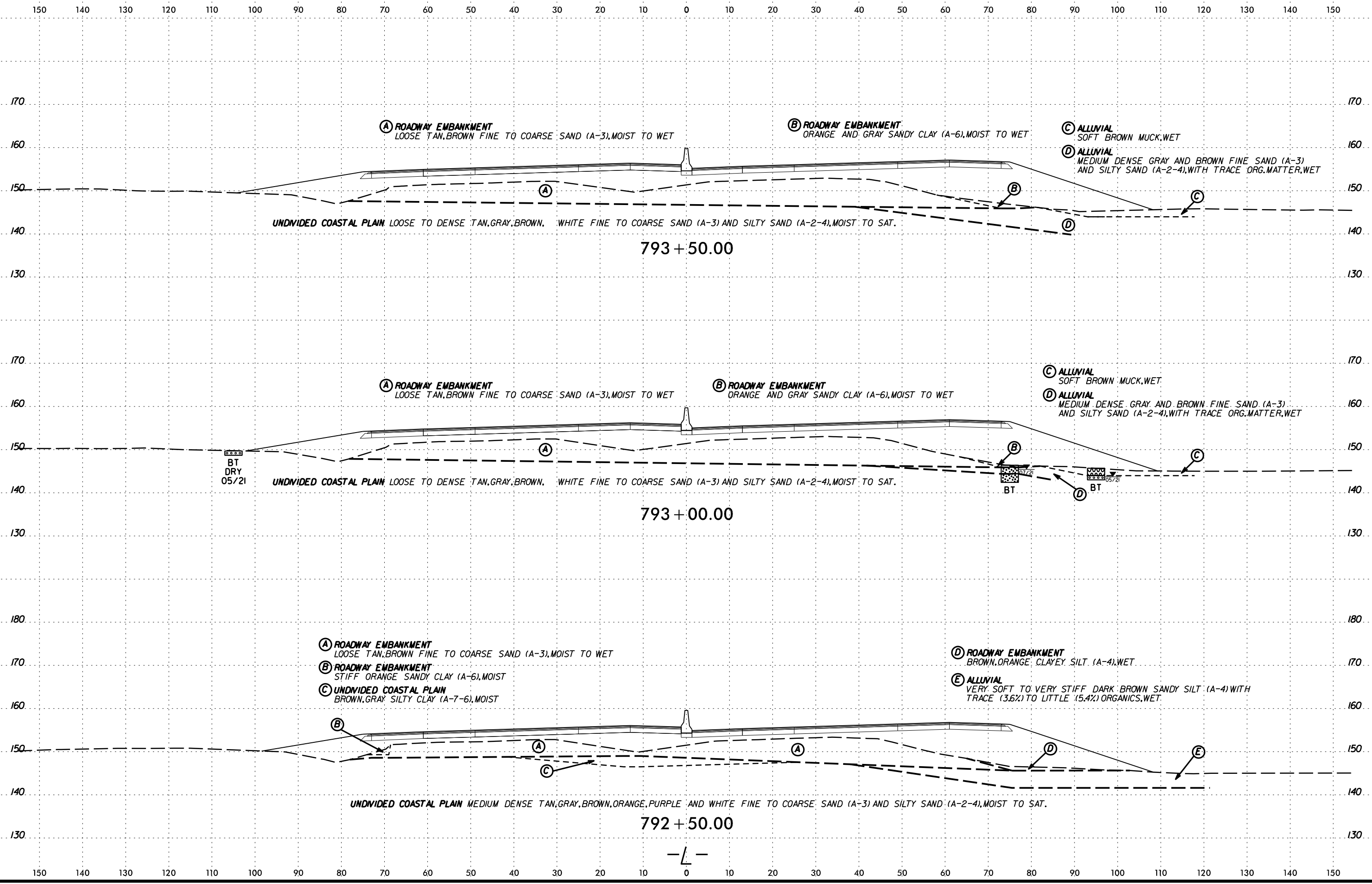
- (A) ROADWAY EMBANKMENT
LOOSE TAN, BROWN FINE TO COARSE SAND (A-3), MOIST TO WET

UNDIVIDED COASTAL PLAIN LOOSE TO DENSE TAN, FINE TO COARSE SAND (A-3) AND SILTY SAND (A-2-4), MOIST TO SAT.

791+50.00

-L-

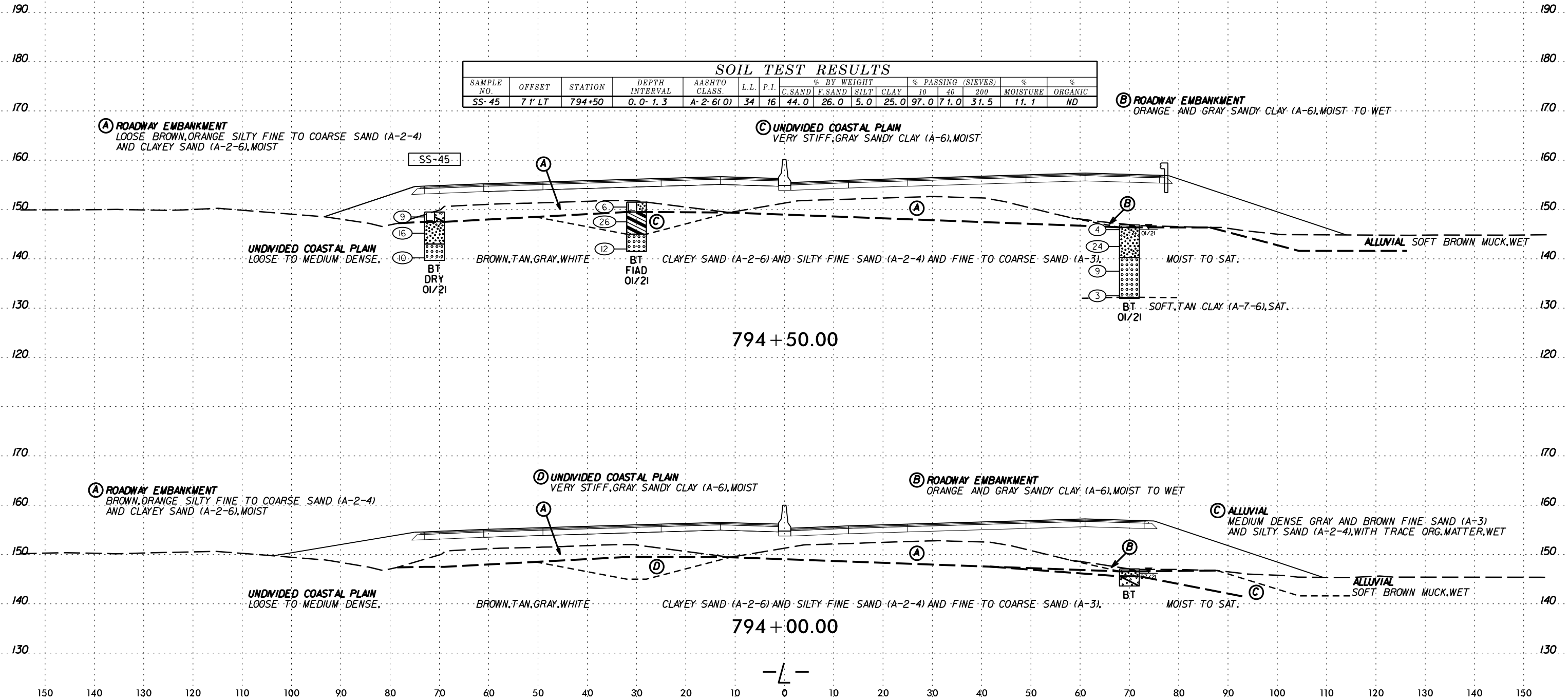
6/23/16



SECTION CUTS TO BE MADE AT THE FOLLOWING STATIONS: 792+50.00, 793+00.00, 793+50.00

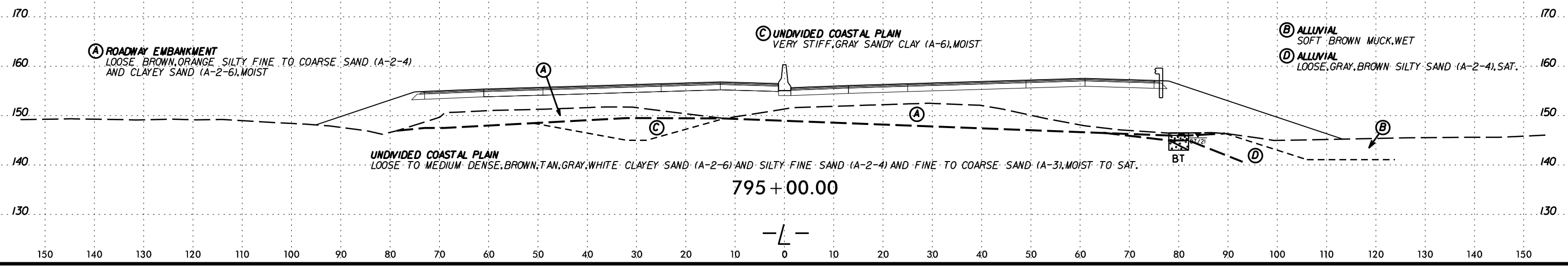
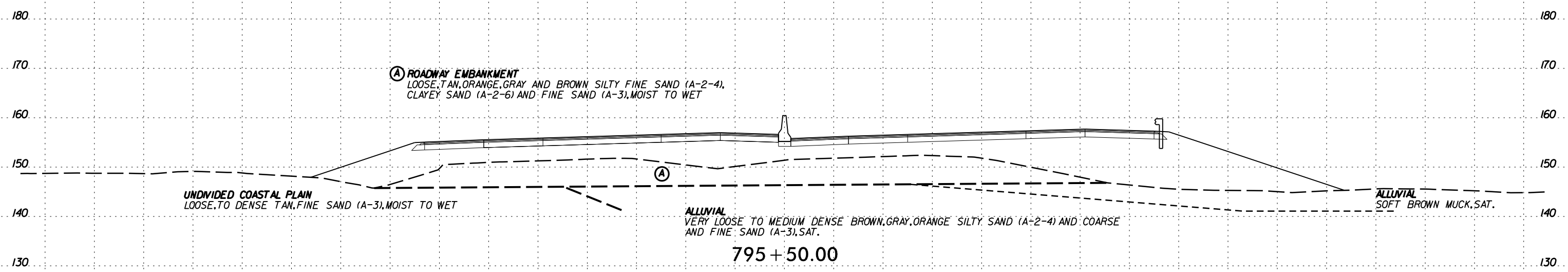
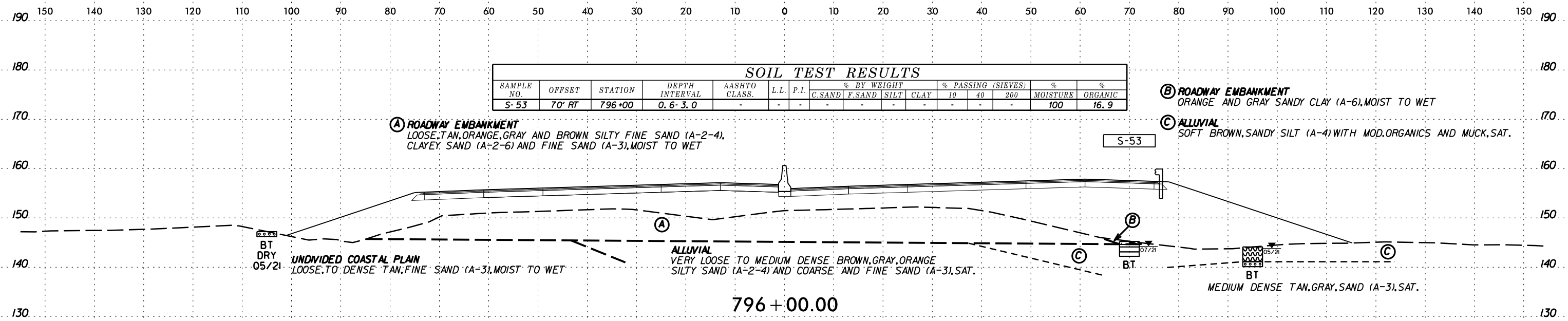
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SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-45	7' LT	794+50	0.0-1.3	A-2-6(O)	34	16	44.0	26.0	5.0	25.0	97.0	71.0	31.5	11.1	ND



SCHEMATIC
 CONSTRUCTION
 PERMITS
 JULY 2016

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
S-53	70' RT	796+00	0.6-3.0	-	-	-	-	-	-	-	-	-	-	100	16.9



SCHEMATIC CROSS SECTION

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

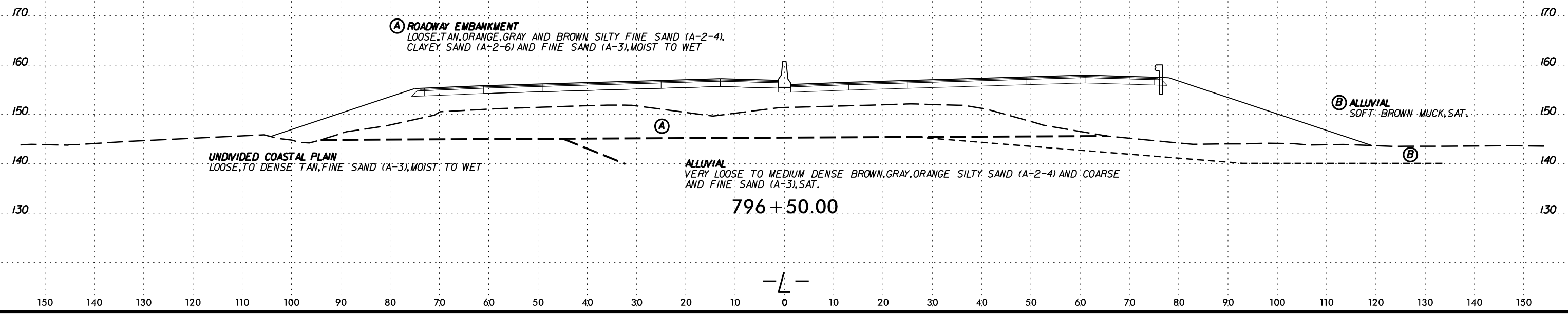
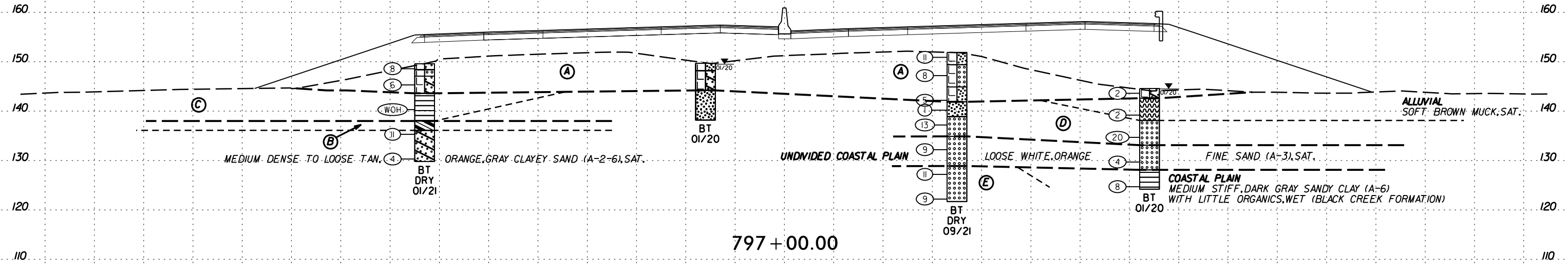
SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-290	7' RT	797+09	0.0-1.5	-	-	-	55.6	22.7	3.6	18.0	97.3	61.0	24.0	-	ND
SS-291	7' RT	797+09	4.4-5.9	-	-	-	-	-	-	-	-	-	717.0	72.7	
SS-292	7' RT	797+09	8.9-10.4	A-3(0)	NP	NP	61.9	36.4	-0.5	2.2	98.4	65.0	3.0	-	ND
SS-293	7' RT	797+09	13.9-15.4	A-3(0)	NP	NP	88.0	5.9	2.0	4.1	96.9	31.0	7.0	-	ND
SS-294	7' RT	797+09	18.9-20.4	A-6(10)	38	20	21.3	20.1	17.8	40.8	99.8	91.0	60.0	34.0	9.8

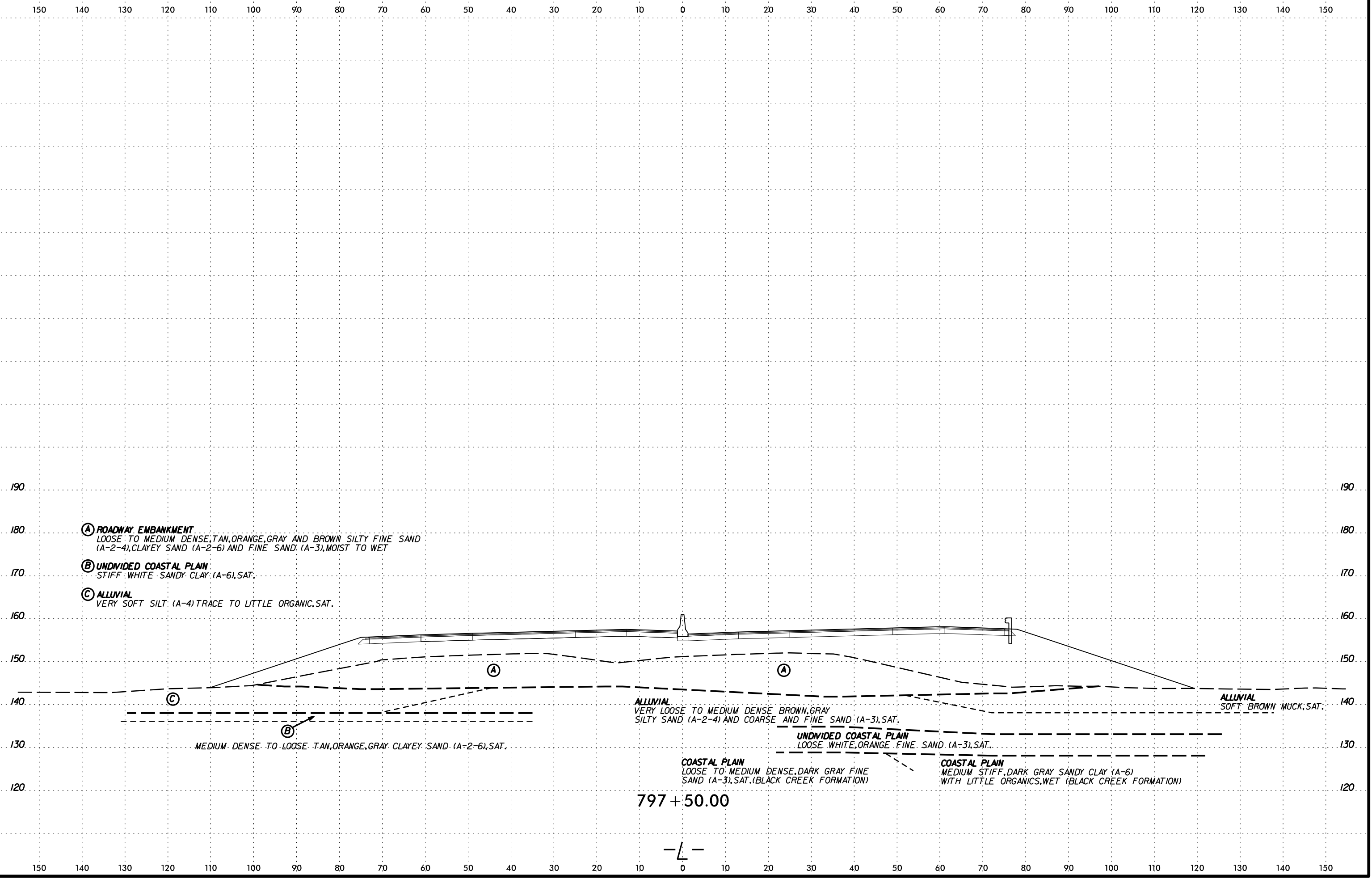
SS-290
SS-291
SS-292
SS-293
SS-294
797+09

- (A) ROADWAY EMBANKMENT**
LOOSE TO MEDIUM DENSE, TAN, ORANGE, GRAY AND BROWN SILTY FINE SAND (A-2-4), CLAYEY SAND (A-2-6) AND FINE SAND (A-3), MOIST TO WET
- (B) UNDIVIDED COASTAL PLAIN**
STIFF WHITE SANDY CLAY (A-6), SAT.
- (C) ALLUVIAL**
VERY SOFT SILT (A-4) TRACE TO LITTLE ORGANIC, SAT.

- (D) ALLUVIAL**
VERY LOOSE TO MEDIUM DENSE BROWN, GRAY SILTY SAND (A-2-4) AND COARSE AND FINE SAND (A-3), SAT.
- (E) COASTAL PLAIN**
LOOSE TO MEDIUM DENSE, DARK GRAY FINE SAND (A-3), SAT. (BLACK CREEK FORMATION)



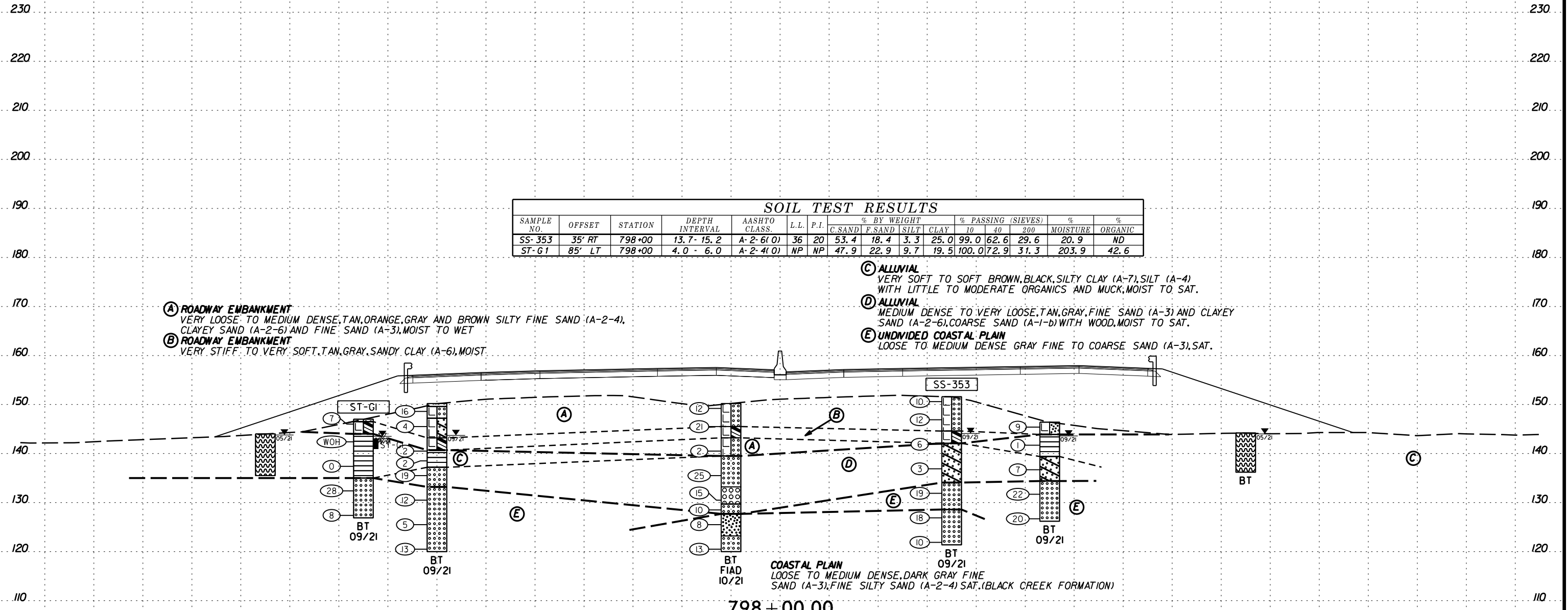
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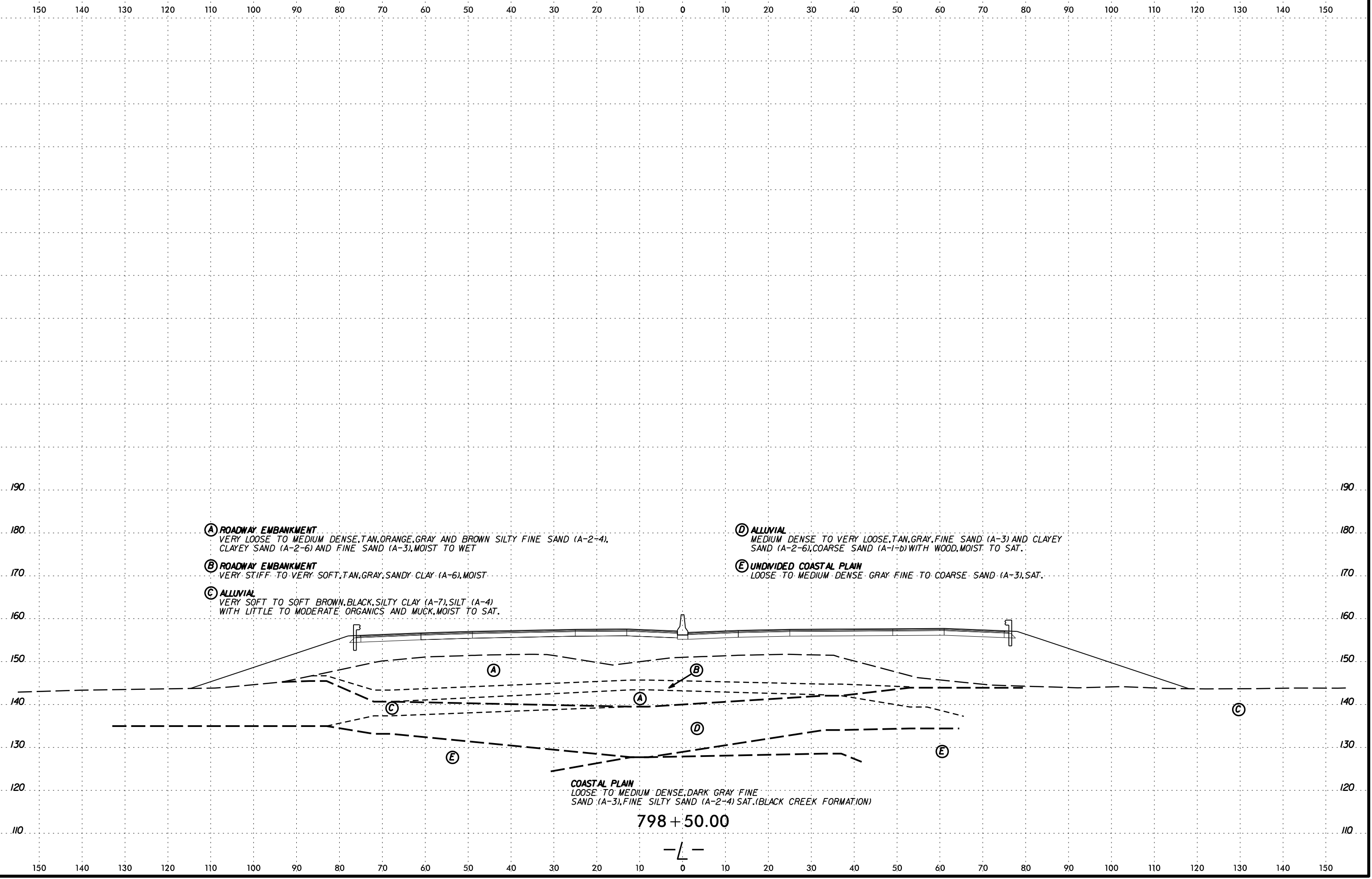
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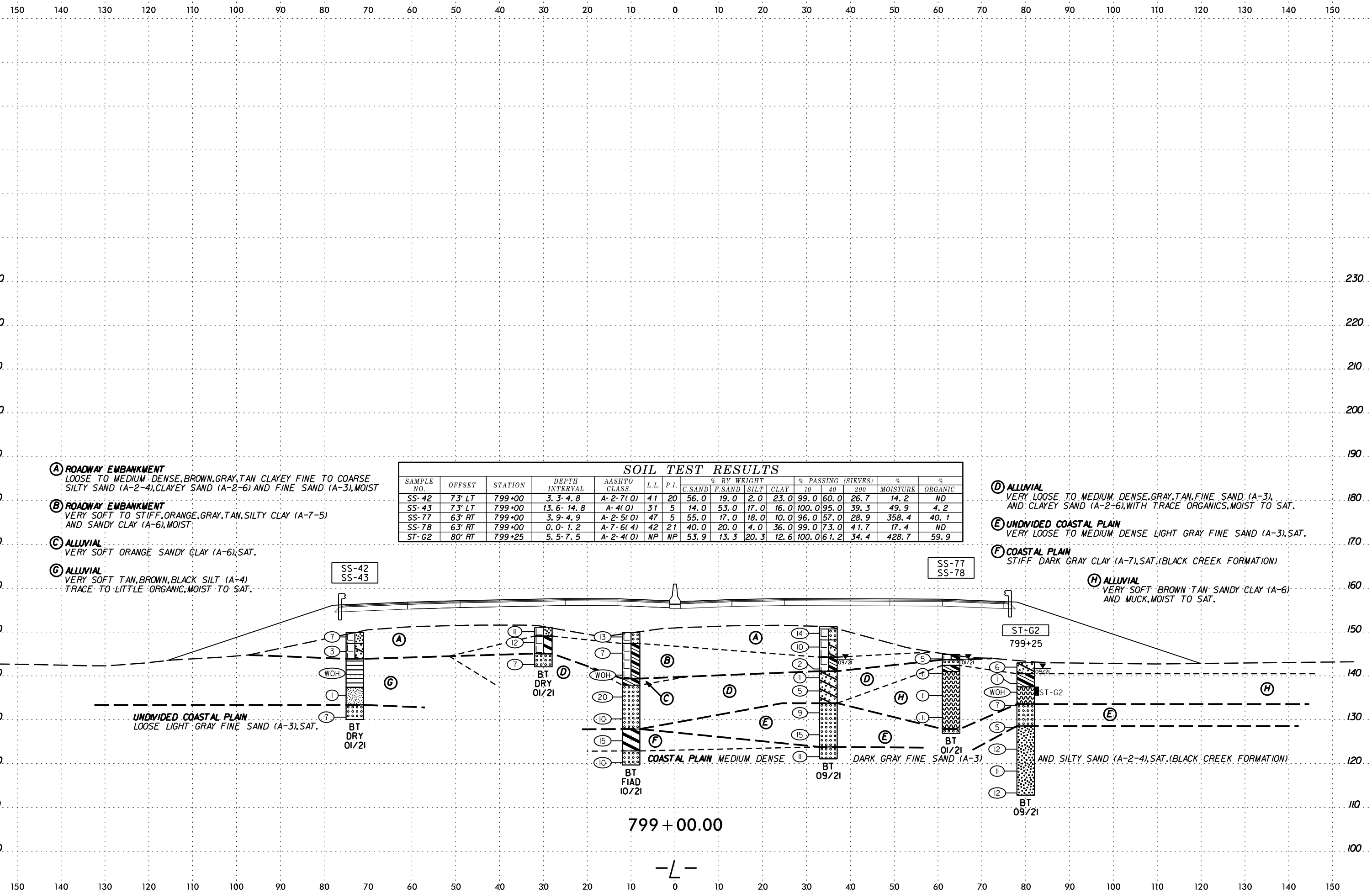
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6/23/16
SHEET NO. 209



- (A) ROADWAY EMBANKMENT**
LOOSE TO MEDIUM DENSE, BROWN, GRAY, TAN CLAYEY FINE TO COARSE SILTY SAND (A-2-4), CLAYEY SAND (A-2-6) AND FINE SAND (A-3), MOIST
- (B) ROADWAY EMBANKMENT**
VERY SOFT TO STIFF, ORANGE, GRAY, TAN, SILTY CLAY (A-7-5) AND SANDY CLAY (A-6), MOIST
- (C) ALLUVIAL**
VERY SOFT ORANGE SANDY CLAY (A-6), SAT.
- (G) ALLUVIAL**
VERY SOFT TAN, BROWN, BLACK SILT (A-4) TRACE TO LITTLE ORGANIC, MOIST TO SAT.

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-42	7'3" LT	799+00	3.3-4.8	A-2-7(0)	41	20	56.0	19.0	2.0	23.0	99.0	60.0	26.7	14.2	ND
SS-43	7'3" LT	799+00	13.6-14.8	A-4(0)	31	5	14.0	53.0	17.0	16.0	100.0	95.0	39.3	49.9	4.2
SS-77	6'3" RT	799+00	3.9-4.9	A-2-5(0)	47	5	55.0	17.0	18.0	10.0	96.0	57.0	28.9	358.4	40.1
SS-78	6'3" RT	799+00	0.0-1.2	A-7-6(4)	42	21	40.0	20.0	4.0	36.0	99.0	73.0	41.7	17.4	ND
ST-G2	80' RT	799+25	5.5-7.5	A-2-4(0)	NP	NP	53.9	13.3	20.3	12.6	100.0	61.2	34.4	428.7	59.9

- (D) ALLUVIAL**
VERY LOOSE TO MEDIUM DENSE, GRAY, TAN, FINE SAND (A-3), AND CLAYEY SAND (A-2-6), WITH TRACE ORGANICS, MOIST TO SAT.
- (E) UNDIVIDED COASTAL PLAIN**
VERY LOOSE TO MEDIUM DENSE LIGHT GRAY FINE SAND (A-3), SAT.
- (F) COASTAL PLAIN**
STIFF DARK GRAY CLAY (A-7), SAT. (BLACK CREEK FORMATION)
- (H) ALLUVIAL**
VERY SOFT BROWN TAN SANDY CLAY (A-6) AND MUCK, MOIST TO SAT.

UNDIVIDED COASTAL PLAIN
LOOSE LIGHT GRAY FINE SAND (A-3), SAT.

799+00.00

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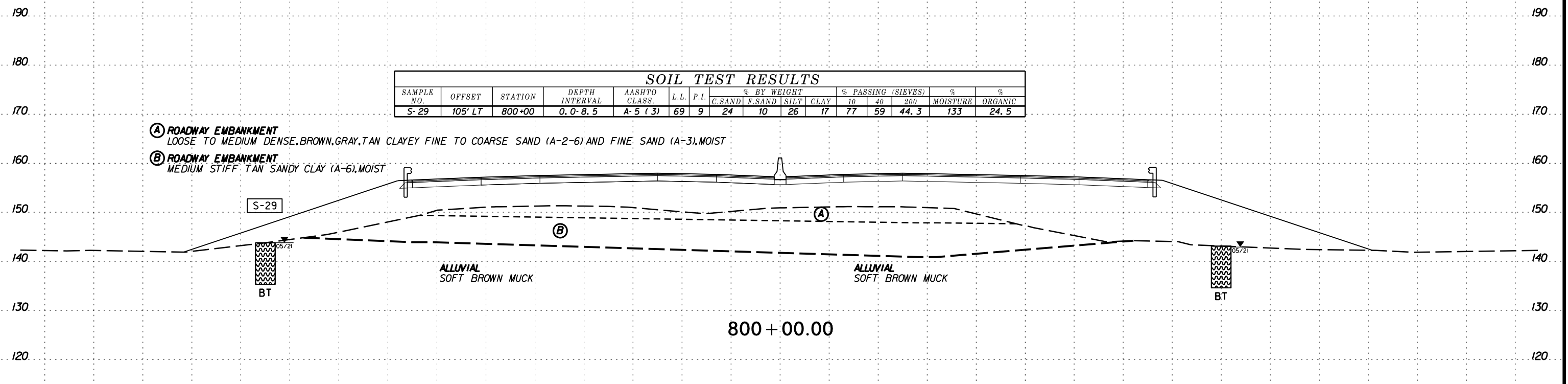
6/23/16
SECTION 110000 - EARTHWORK
SUBSECTION 110000 - EARTHWORK

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SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			%	
							C.SAND	F.SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC
S-29	105' LT	800+00	0.0-8.5	A-5 (3)	69	9	24	10	26	17	77	59	44.3	133	24.5

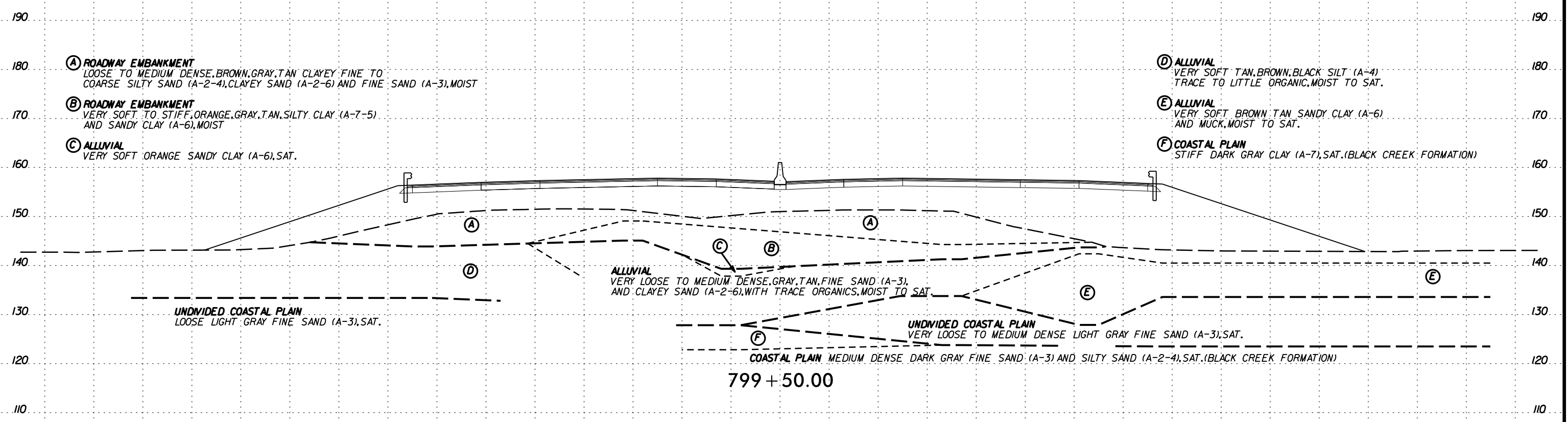
- (A) ROADWAY EMBANKMENT**
LOOSE TO MEDIUM DENSE, BROWN, GRAY, TAN CLAYEY FINE TO COARSE SAND (A-2-6) AND FINE SAND (A-3), MOIST
- (B) ROADWAY EMBANKMENT**
MEDIUM STIFF TAN SANDY CLAY (A-6), MOIST



800 + 00.00

- (A) ROADWAY EMBANKMENT**
LOOSE TO MEDIUM DENSE, BROWN, GRAY, TAN CLAYEY FINE TO COARSE SILTY SAND (A-2-4), CLAYEY SAND (A-2-6) AND FINE SAND (A-3), MOIST
- (B) ROADWAY EMBANKMENT**
VERY SOFT TO STIFF, ORANGE, GRAY, TAN, SILTY CLAY (A-7-5) AND SANDY CLAY (A-6), MOIST
- (C) ALLUVIAL**
VERY SOFT ORANGE SANDY CLAY (A-6), SAT.

- (D) ALLUVIAL**
VERY SOFT TAN, BROWN, BLACK SILT (A-4) TRACE TO LITTLE ORGANIC, MOIST TO SAT.
- (E) ALLUVIAL**
VERY SOFT BROWN TAN SANDY CLAY (A-6) AND MUCK, MOIST TO SAT.
- (F) COASTAL PLAIN**
STIFF DARK GRAY CLAY (A-7), SAT. (BLACK CREEK FORMATION)



799 + 50.00

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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

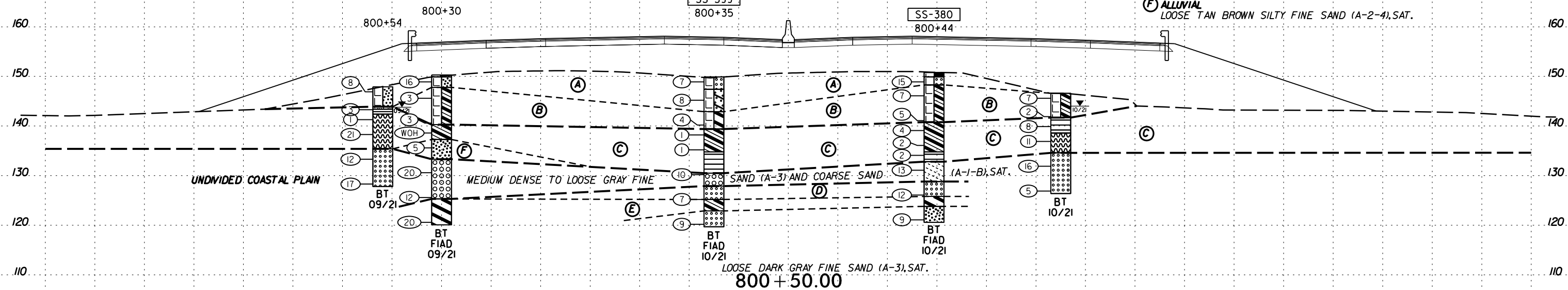
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- (A) ROADWAY EMBANKMENT**
 LOOSE TO MEDIUM DENSE, BROWN, GRAY, TAN CLAYEY FINE TO COARSE SAND (A-2-6), SILTY FINE SAND (A-2-4) AND FINE SAND (A-3), MOIST
- (B) ROADWAY EMBANKMENT**
 SOFT TO MEDIUM STIFF, TAN, ORANGE, GRAY SANDY CLAY (A-6) AND CLAY (A-7), MOIST
- (C) ALLUVIAL**
 VERY SOFT TO STIFF, ORANGE, BLACK, TAN, BROWN, SANDY SILT (A-4), SANDY CLAY (A-6) WITH TRACE TO MODERATE ORGANICS, WOOD AND MUCK, MOIST TO SAT.

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-380	29' RT	800+44	13.7 - 15.2	A-7-6(6)	48	31	41.7	21.7	4.3	32.4	99.8	74.9	38.9	25.4	ND
SS-399	15' LT	800+35	10.7 - 12.2	A-6(2)	35	14	41.8	17.6	5.2	35.5	99.8	71.6	42.4	24.6	ND

- (D) COASTAL PLAIN**
 LOOSE DARK GRAY FINE SAND (A-3), SAT.
- (E) COASTAL PLAIN**
 MEDIUM STIFF TO VERY STIFF, DARK GRAY, BLACK, SILTY CLAY (A-7-6) AND SANDY CLAY (A-6), SAT. (BLACK CREEK FORMATION)
- (F) ALLUVIAL**
 LOOSE TAN BROWN SILTY FINE SAND (A-2-4), SAT.

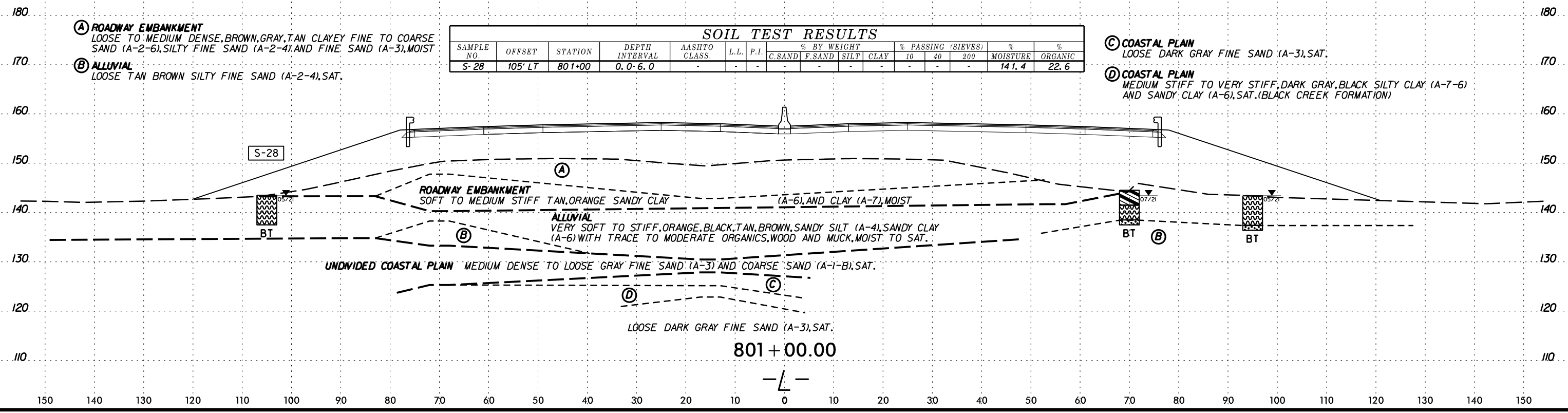
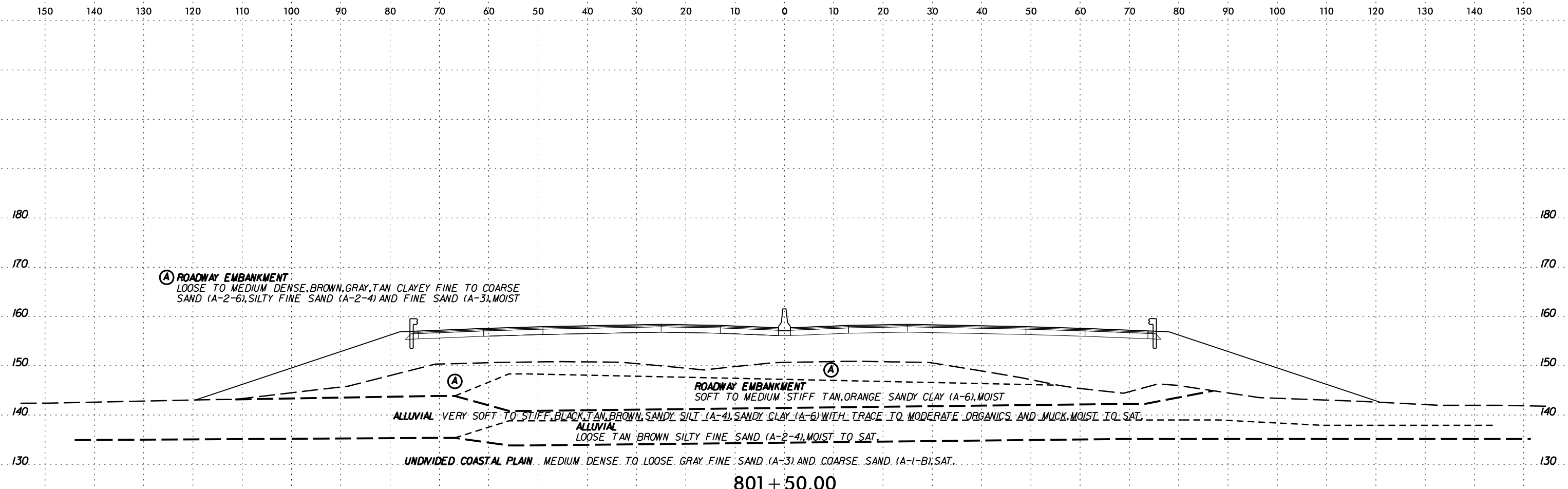


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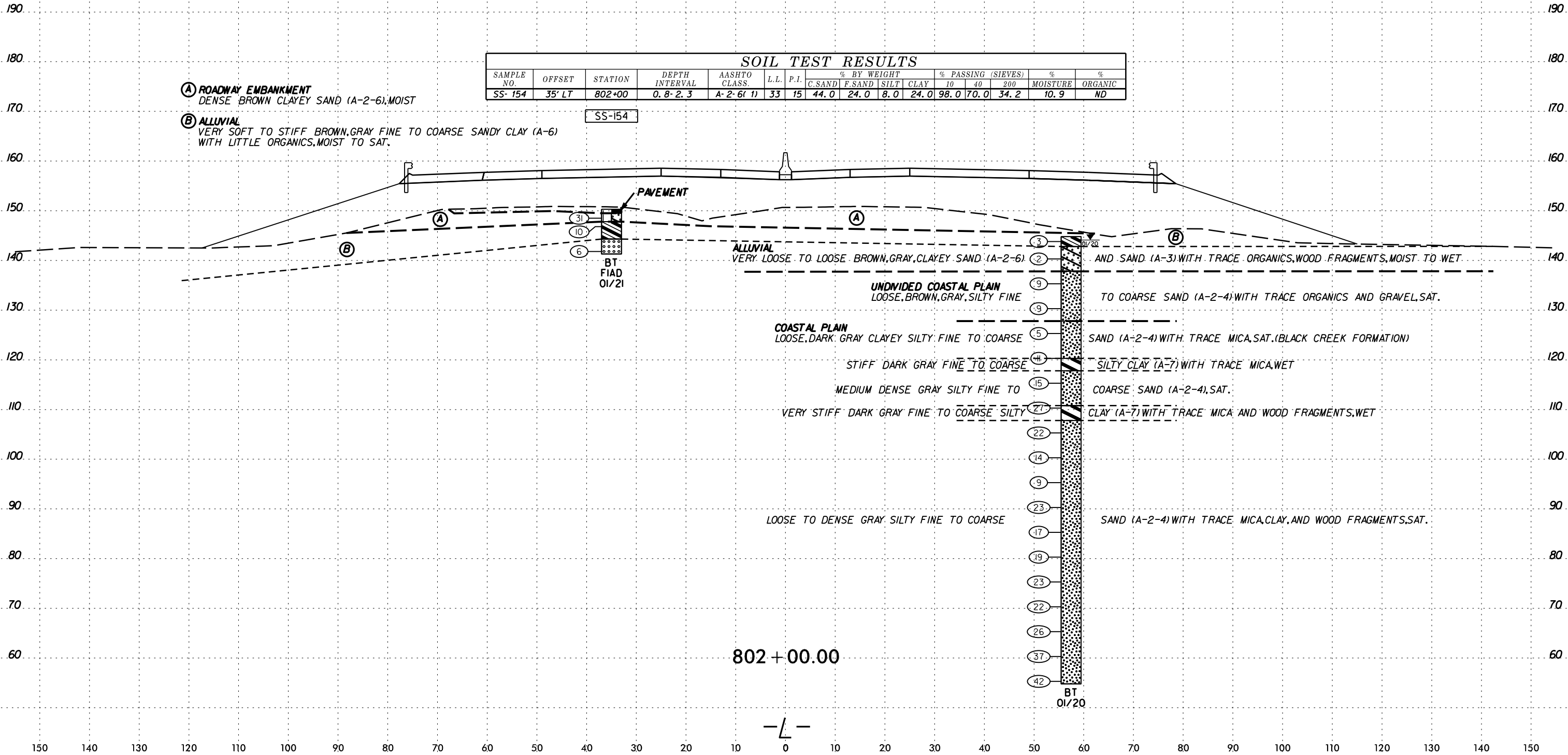
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 DRAWN BY: J. W. BARR
 CHECKED BY: J. W. BARR
 DATE: 6/23/16

6/23/16



SECTION CUT CONSTRUCTION PERMANENT

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



- (A) ROADWAY EMBANKMENT
DENSE BROWN CLAYEY SAND (A-2-6), MOIST
- (B) ALLUVIAL
VERY SOFT TO STIFF BROWN, GRAY FINE TO COARSE SANDY CLAY (A-6)
WITH LITTLE ORGANICS, MOIST TO SAT.

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE ORGANIC	
							C.SAND	F.SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC
SS-154	35' LT	802+00	0.8-2.3	A-2-6(1)	33	15	44.0	24.0	8.0	24.0	98.0	70.0	34.2	10.9	ND

SS-154

PAVEMENT

ALLUVIAL

UNDIVIDED COASTAL PLAIN
LOOSE, BROWN, GRAY, SILTY FINE

COASTAL PLAIN
LOOSE, DARK, GRAY CLAYEY SILTY FINE TO COARSE

STIFF DARK GRAY FINE TO COARSE

MEDIUM DENSE GRAY SILTY FINE TO

VERY STIFF DARK GRAY FINE TO COARSE SILTY

LOOSE TO DENSE GRAY SILTY FINE TO COARSE

AND SAND (A-3) WITH TRACE ORGANICS, WOOD FRAGMENTS, MOIST TO WET

TO COARSE SAND (A-2-4) WITH TRACE ORGANICS AND GRAVEL, SAT.

SAND (A-2-4) WITH TRACE MICA, SAT. (BLACK CREEK FORMATION)

SILTY CLAY (A-7) WITH TRACE MICA, WET

COARSE SAND (A-2-4), SAT.

CLAY (A-7) WITH TRACE MICA AND WOOD FRAGMENTS, WET

SAND (A-2-4) WITH TRACE MICA, CLAY, AND WOOD FRAGMENTS, SAT.

- 31
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BT
FIAD
01/21

BT
01/20

802 + 00.00

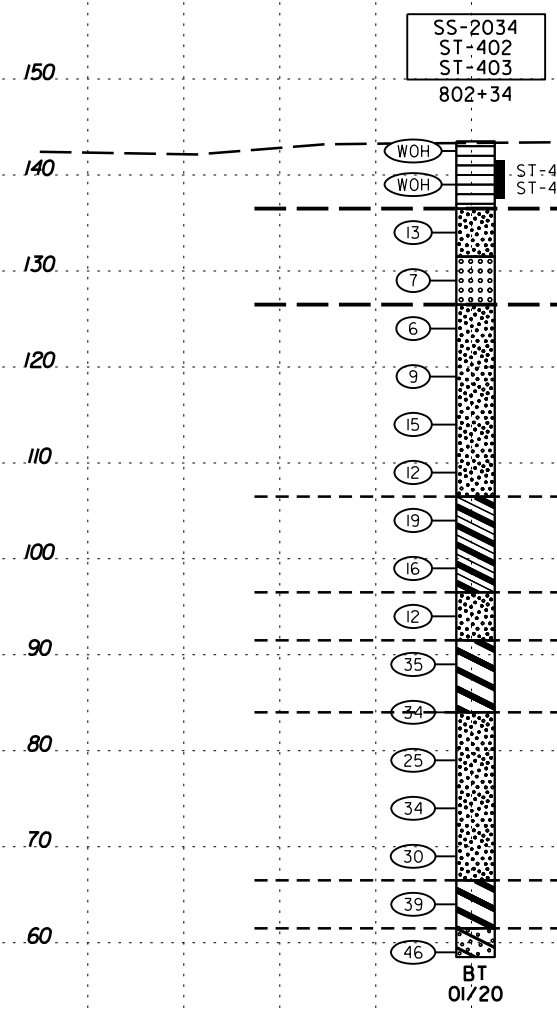
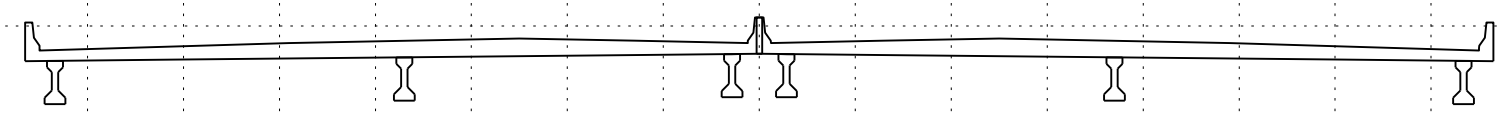
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SCHEMATIC SECTION

6/23/16

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-2034	110' LT	802+34	0.2- 1.0	A-6(3)	39	18	41.1	20.0	7.9	31.0	99.3	72.7	40.8	29.5	6.3
ST-402/403	110' LT	802+34	2.0- 6.0	A-7-6(5)	47	28	41.6	22.5	3.8	32.1	99.7	73.8	38.5	23.1	ND



ALLUVIAL
VERY SOFT, BROWN, FINE TO COARSE SANDY CLAY (A-6) WITH LITTLE ORGANICS. (ORGANIC CONTENT = 6.3%), SAT.

UNDIVIDED COASTAL PLAIN
LOOSE TO MEDIUM DENSE, BROWN, TAN, WHITE SILTY FINE SAND (A-2-4), AND FINE TO COARSE SAND (A-3) WITH TRACE WOOD FRAGMENTS, MICACEOUS, SAT.

COASTAL PLAIN
LOOSE TO MEDIUM DENSE, GRAY SILTY FINE TO COARSE SAND (A-2-4) MICACEOUS WITH TRACE ORGANICS, SAT. (BLACK CREEK FORMATION)

VERY STIFF, DARK GRAY, FINE TO COARSE SANDY CLAY (A-6), MICACEOUS, SAT.

DARK GRAY, SILTY FINE TO COARSE SAND (A-2-4), MICACEOUS, SAT.

HARD, DARK GRAY SILTY CLAY (A-7) MICACEOUS, SAT.

MEDIUM DENSE TO DENSE, GRAY SILTY FINE TO COARSE SAND (A-2-4) MICACEOUS WITH TRACE ORGANICS, SAT.

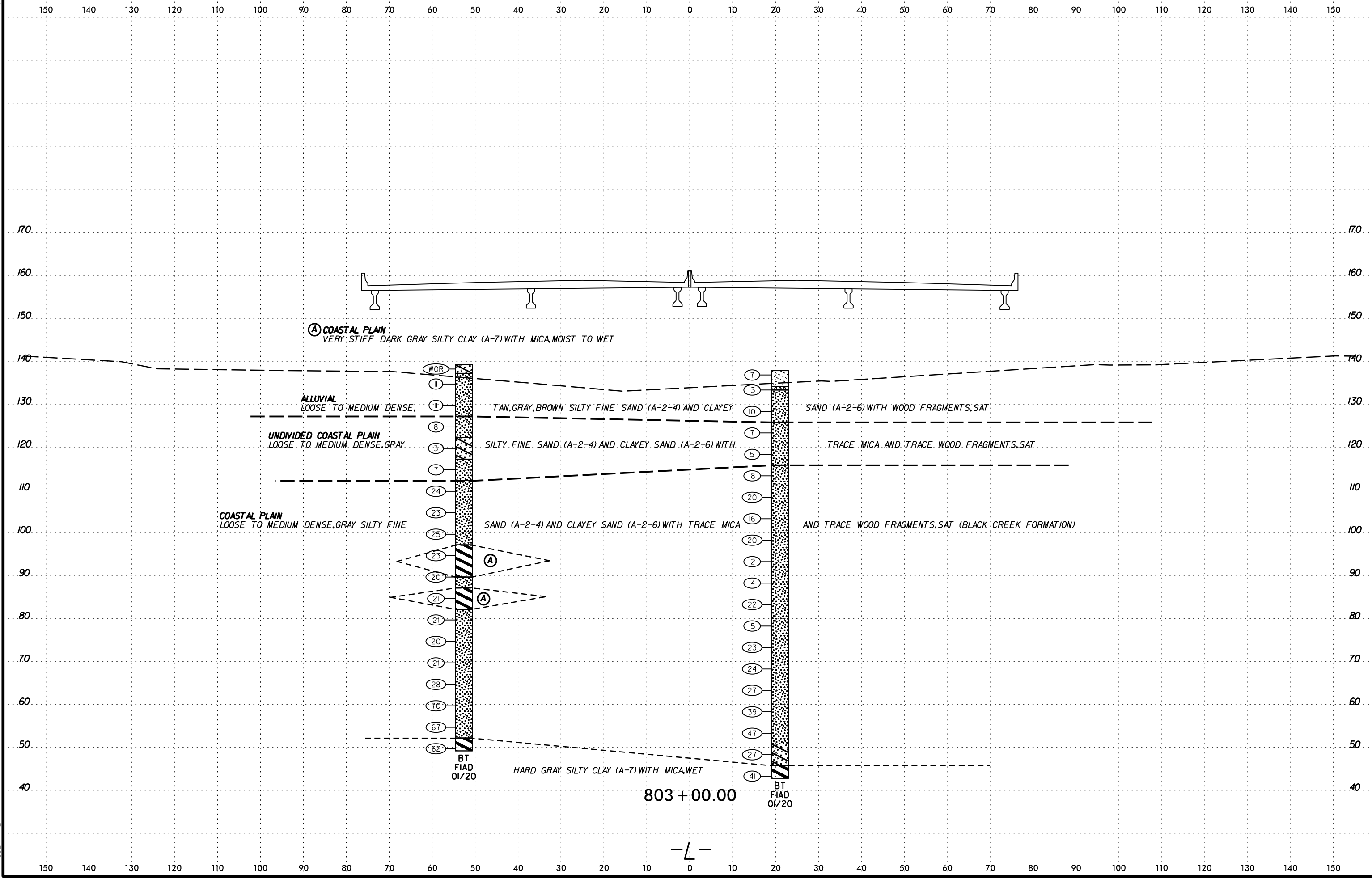
HARD DARK GRAY SILTY CLAY (A-7) MICACEOUS, WET

DENSE DARK GRAY CLAYEY FINE TO COARSE SAND (A-2-6) MICACEOUS, SAT.

802 + 50.00

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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

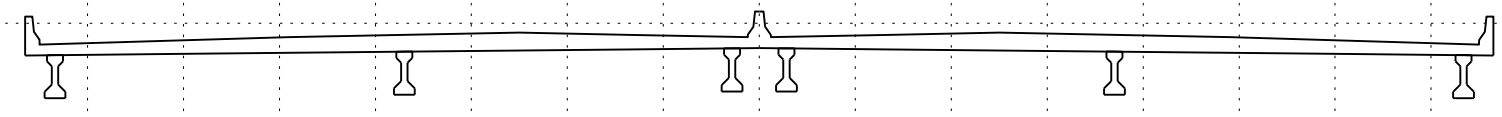
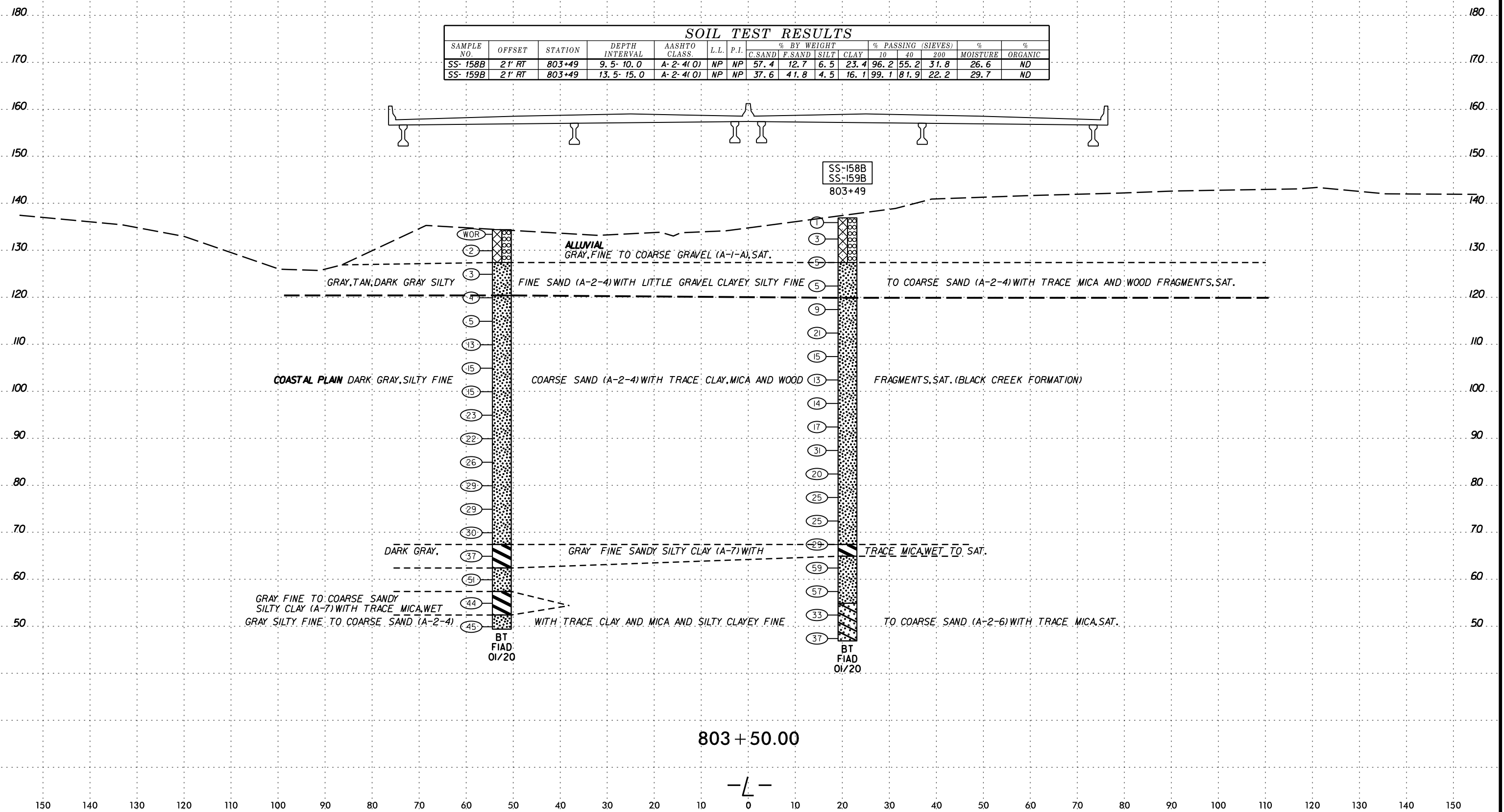


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6/23/16

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-158B	2' RT	803+49	9.5-10.0	A-2-4(O)	NP	NP	57.4	12.7	6.5	23.4	96.2	55.2	31.8	26.6	ND
SS-159B	2' RT	803+49	13.5-15.0	A-2-4(O)	NP	NP	37.6	41.8	4.5	16.1	99.1	81.9	22.2	29.7	ND



SS-158B
SS-159B
803+49

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FIAD
01/20

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- 57
- 33
- 37
- BT
FIAD
01/20

ALLUVIAL
GRAY, FINE TO COARSE GRAVEL (A-1-A), SAT.

GRAY, TAN, DARK GRAY SILTY

FINE SAND (A-2-4) WITH LITTLE GRAVEL CLAYEY SILTY FINE

TO COARSE SAND (A-2-4) WITH TRACE MICA AND WOOD FRAGMENTS, SAT.

COASTAL PLAIN DARK GRAY, SILTY FINE

COARSE SAND (A-2-4) WITH TRACE CLAY, MICA AND WOOD

FRAGMENTS, SAT. (BLACK CREEK FORMATION)

DARK GRAY,

GRAY FINE SANDY SILTY CLAY (A-7) WITH

TRACE MICA, WET TO SAT.

GRAY FINE TO COARSE SANDY
SILTY CLAY (A-7) WITH TRACE MICA, WET
GRAY SILTY FINE TO COARSE SAND (A-2-4)

WITH TRACE CLAY AND MICA AND SILTY CLAYEY FINE

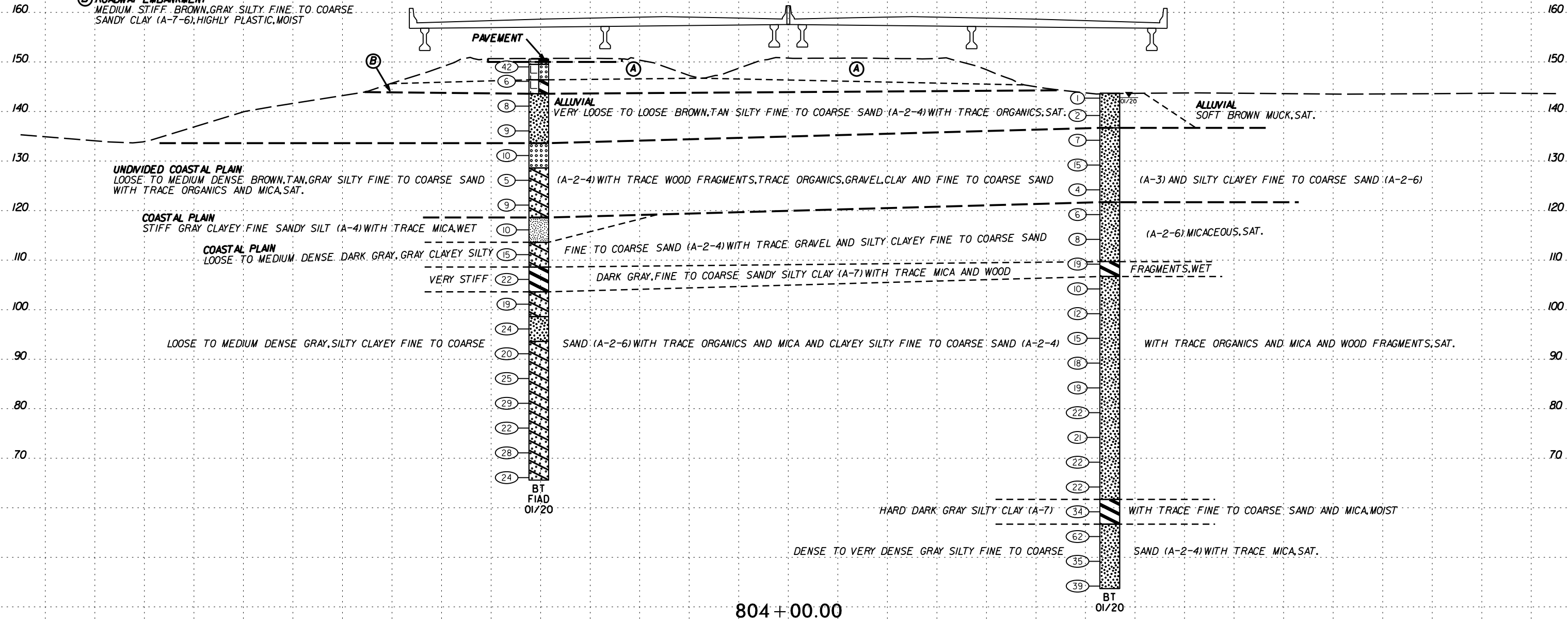
TO COARSE SAND (A-2-6) WITH TRACE MICA, SAT.

6/23/16

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-2067	50' LT	804+09	4.2-5.0	A-7-6(10)	46	29	31.7	20.2	12.7	35.4	99.3	79.8	50.4	19.5	ND
SS-2070	50' LT	804+09	33.5-35.0	A-4(0)	NP	NP	2.4	60.9	15.6	21.1	100.0	99.3	43.0	31.3	ND

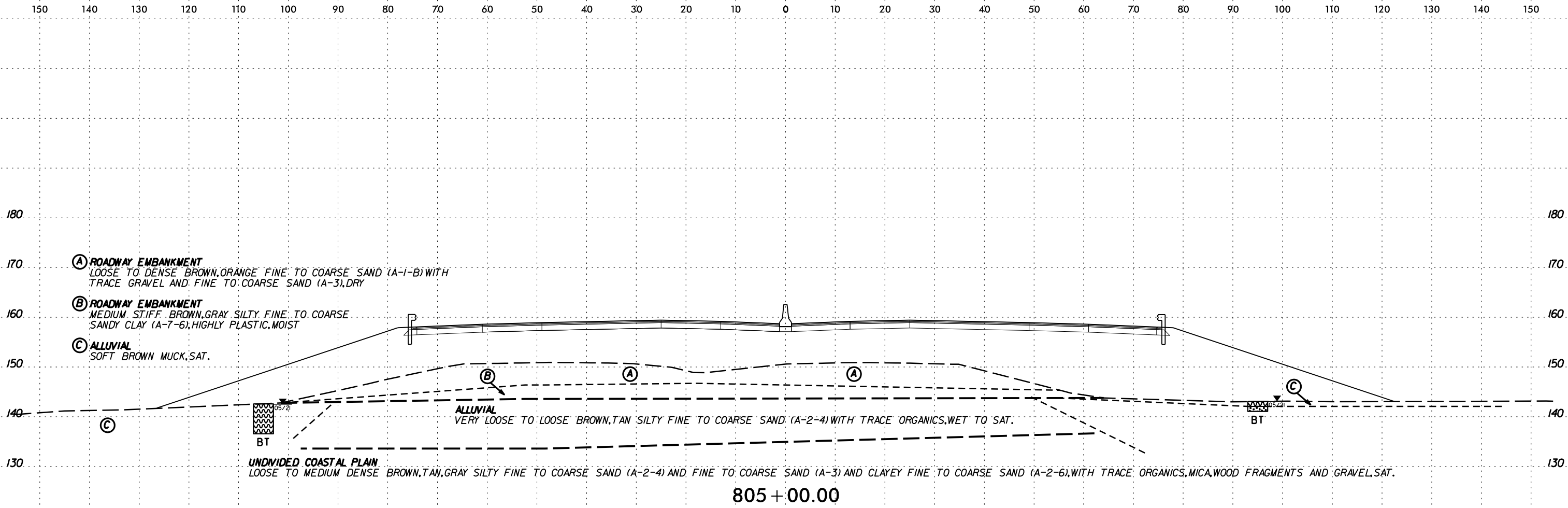
SS-2067
SS-2070
804+09

- (A) ROADWAY EMBANKMENT
LOOSE TO DENSE BROWN, ORANGE FINE TO COARSE SAND (A-1-B) WITH TRACE GRAVEL AND FINE TO COARSE SAND (A-3), DRY
- (B) ROADWAY EMBANKMENT
MEDIUM STIFF BROWN, GRAY SILTY FINE TO COARSE SANDY CLAY (A-7-6), HIGHLY PLASTIC, MOIST



804+00.00

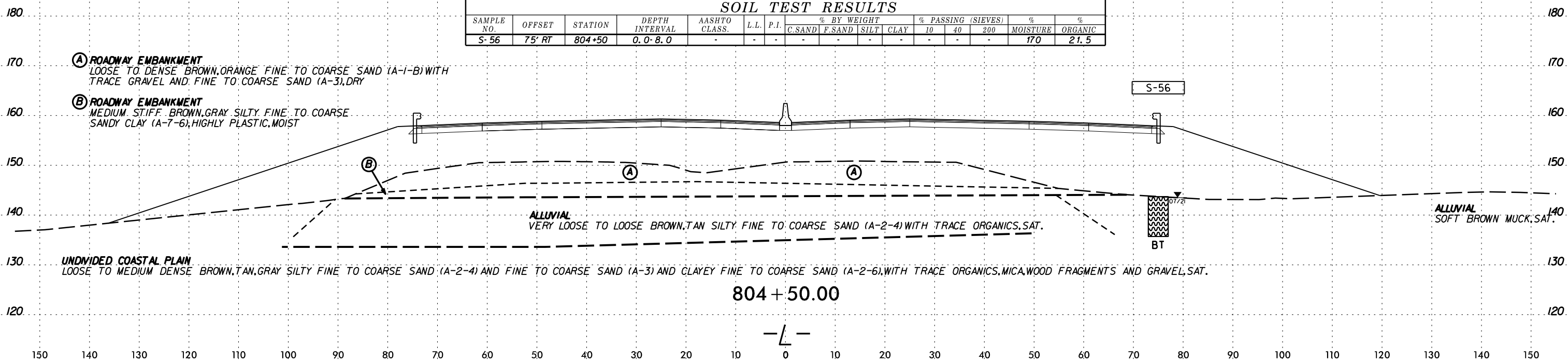
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805 + 00.00

SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							G.SAND	F.SAND	SILT	CLAY	10	40	200		
S-56	75' RT	804+50	0.0-8.0	-	-	-	-	-	-	-	-	-	-	170	21.5



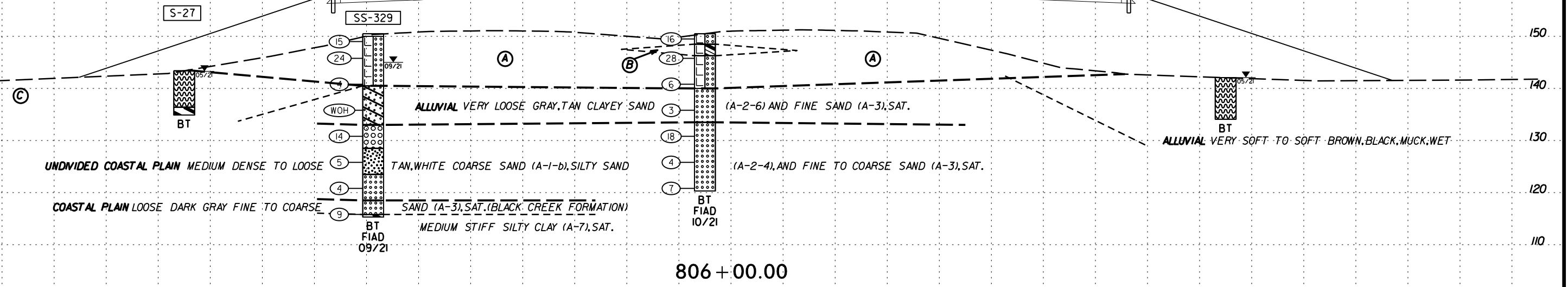
804 + 50.00

DATE PLOTTED: 06/23/16

6/23/16

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
S-27	105' LT	806+00	0.0-7.0	-	-	-	-	-	-	-	-	-	-	92.2	21.5
SS-329	69' LT	806+00	13.7-15.2	A-2-6(O)	32	18	57.4	17.9	4.1	20.6	99.3	61.8	26.4	22.3	ND

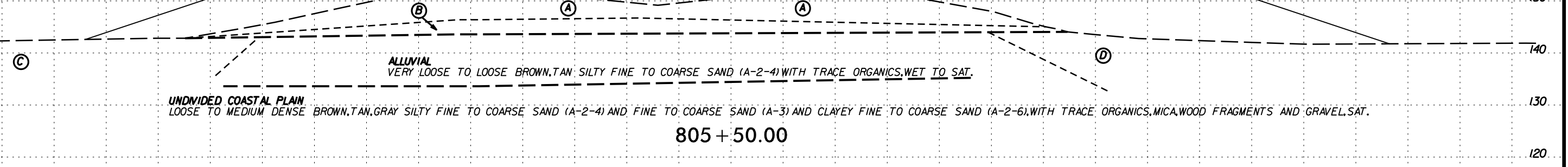
- (A) ROADWAY EMBANKMENT
VERY LOOSE TO MEDIUM DENSE, BROWN, GRAY, TAN CLAYEY FINE SAND (A-2-6) AND FINE SAND (A-3), MOIST TO SAT.
- (B) ROADWAY EMBANKMENT
VERY STIFF, GRAY SANDY CLAY (A-6), MOIST
- (C) ALLUVIAL
VERY SOFT TO SOFT, BROWN, BLACK, CLAY (A-7) AND MUCK, WET



806 + 00.00

- (A) ROADWAY EMBANKMENT
LOOSE TO DENSE BROWN, ORANGE FINE TO COARSE SAND (A-1-B) WITH TRACE GRAVEL AND FINE TO COARSE SAND (A-3), DRY
- (B) ROADWAY EMBANKMENT
MEDIUM STIFF, BROWN, GRAY SILTY FINE TO COARSE SANDY CLAY (A-7-6), HIGHLY PLASTIC, MOIST
- (C) ALLUVIAL
SOFT BROWN MUCK, SAT.

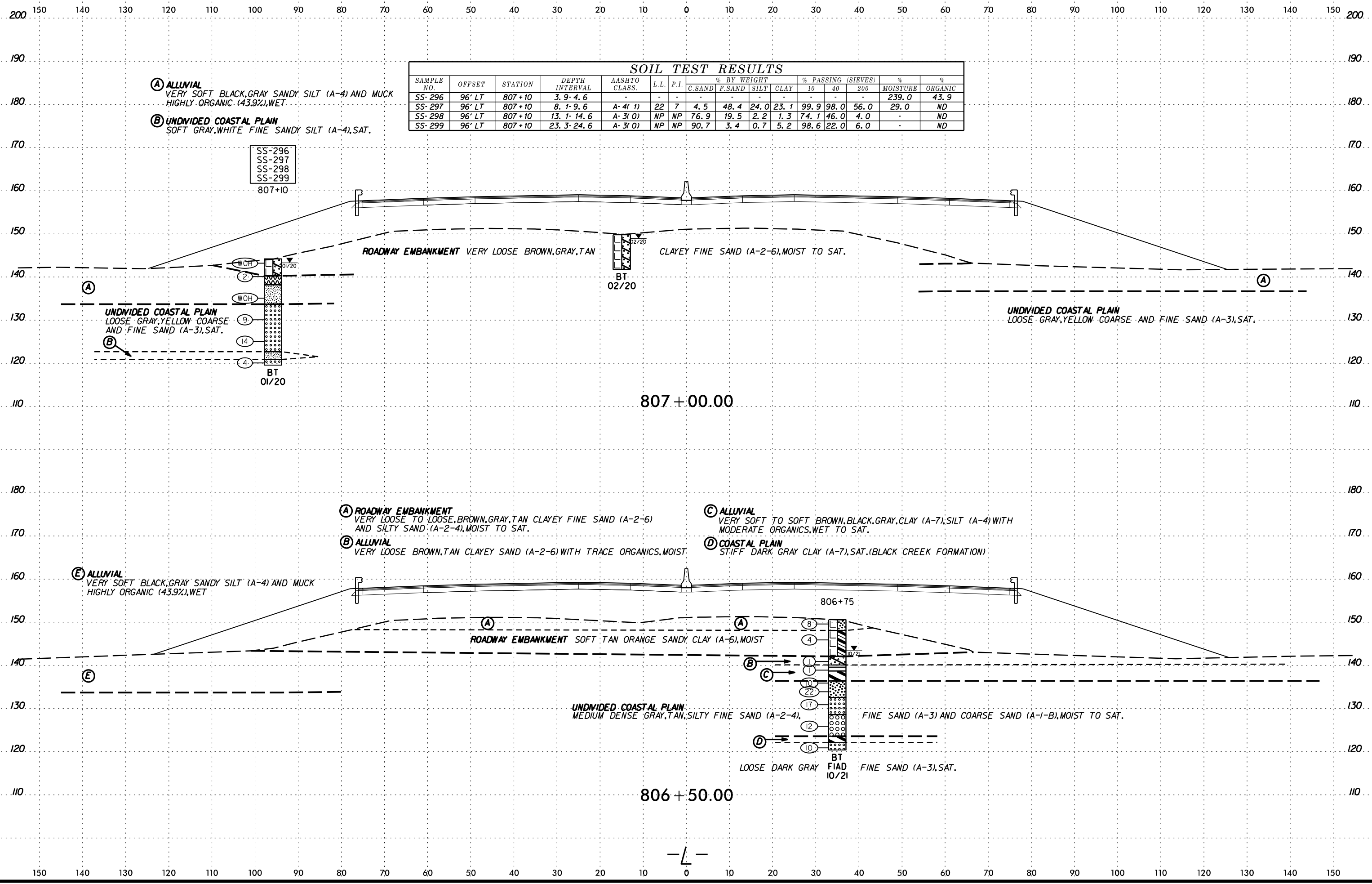
- (D) ALLUVIAL
VERY SOFT TO SOFT BROWN, BLACK, MUCK, WET



805 + 50.00

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6/23/16



SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-296	96' LT	807+10	3.9-4.6	-	-	-	-	-	-	-	-	-	239.0	43.9	
SS-297	96' LT	807+10	8.1-9.6	A-4(1)	22	7	4.5	48.4	24.0	23.1	99.9	98.0	56.0	29.0	ND
SS-298	96' LT	807+10	13.1-14.6	A-3(0)	NP	NP	76.9	19.5	2.2	1.3	74.1	46.0	4.0	-	ND
SS-299	96' LT	807+10	23.3-24.6	A-3(0)	NP	NP	90.7	3.4	0.7	5.2	98.6	22.0	6.0	-	ND

(A) ALLUVIAL
 VERY SOFT BLACK, GRAY SANDY SILT (A-4) AND MUCK
 HIGHLY ORGANIC (43.9%), WET.

(B) UNDIVIDED COASTAL PLAIN
 SOFT GRAY, WHITE FINE SANDY SILT (A-4), SAT.

SS-296
 SS-297
 SS-298
 SS-299
 807+10

ROADWAY EMBANKMENT VERY LOOSE BROWN, GRAY, TAN CLAYEY FINE SAND (A-2-6), MOIST TO SAT.

UNDIVIDED COASTAL PLAIN
 LOOSE GRAY, YELLOW COARSE AND FINE SAND (A-3), SAT.

UNDIVIDED COASTAL PLAIN
 LOOSE GRAY, YELLOW COARSE AND FINE SAND (A-3), SAT.

807 + 00.00

(A) ROADWAY EMBANKMENT
 VERY LOOSE TO LOOSE, BROWN, GRAY, TAN CLAYEY FINE SAND (A-2-6) AND SILTY SAND (A-2-4), MOIST TO SAT.

(B) ALLUVIAL
 VERY LOOSE BROWN, TAN CLAYEY SAND (A-2-6) WITH TRACE ORGANICS, MOIST.

(C) ALLUVIAL
 VERY SOFT TO SOFT BROWN, BLACK, GRAY, CLAY (A-7), SILT (A-4) WITH MODERATE ORGANICS, WET TO SAT.

(D) COASTAL PLAIN
 STIFF DARK GRAY CLAY (A-7), SAT. (BLACK CREEK FORMATION)

(E) ALLUVIAL
 VERY SOFT BLACK, GRAY SANDY SILT (A-4) AND MUCK
 HIGHLY ORGANIC (43.9%), WET.

ROADWAY EMBANKMENT SOFT TAN ORANGE SANDY CLAY (A-6), MOIST

UNDIVIDED COASTAL PLAIN
 MEDIUM DENSE GRAY, TAN, SILTY FINE SAND (A-2-4),

FINE SAND (A-3) AND COARSE SAND (A-1-B), MOIST TO SAT.

LOOSE DARK GRAY FINE SAND (A-3), SAT.

806 + 50.00



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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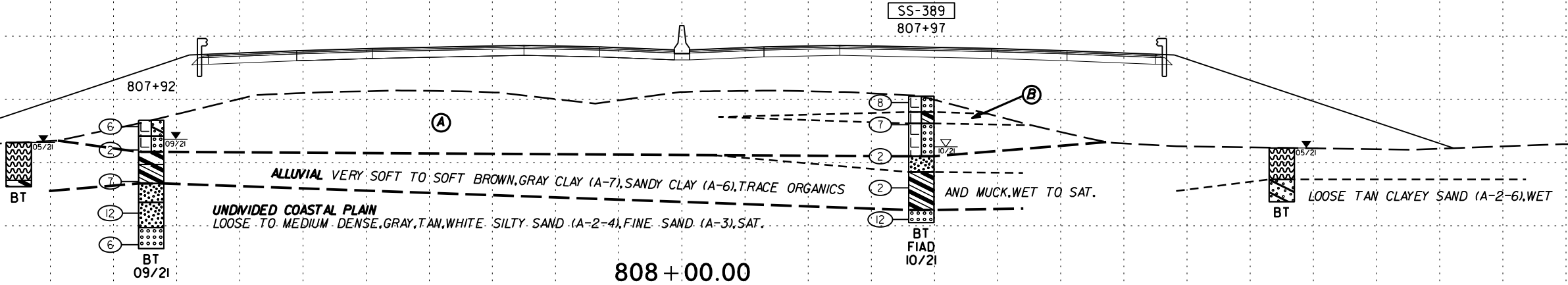
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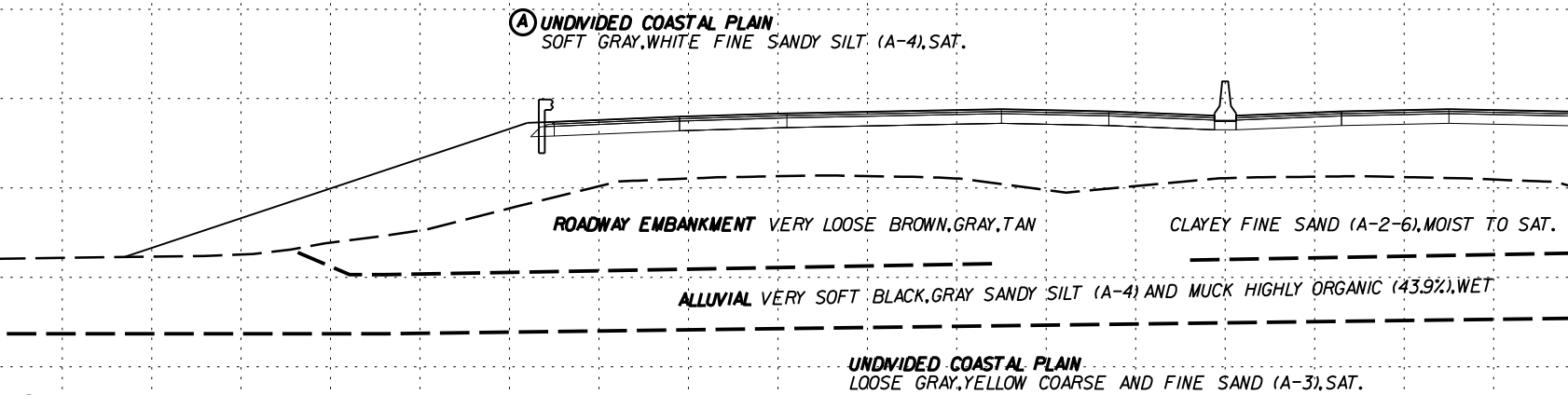
SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			%	
							C.SAND	F.SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC
SS-389	38' RT	807+97	14.0- 15.0	A-6(6)	28	14	6.2	36.9	22.1	34.8	100.0	98.1	62.4	26.5	2.2

- (A) ROADWAY EMBANKMENT
VERY LOOSE TO LOOSE, BROWN, GRAY, TAN, ORANGE, CLAYEY FINE SAND (A-2-6) AND FINE SAND (A-3), MOIST TO SAT.
- (B) ROADWAY EMBANKMENT
MEDIUM STIFF TAN SANDY CLAY (A-6), MOIST



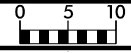
808 + 00.00

- (A) UNDIVIDED COASTAL PLAIN
SOFT GRAY, WHITE FINE SANDY SILT (A-4), SAT.



807 + 50.00

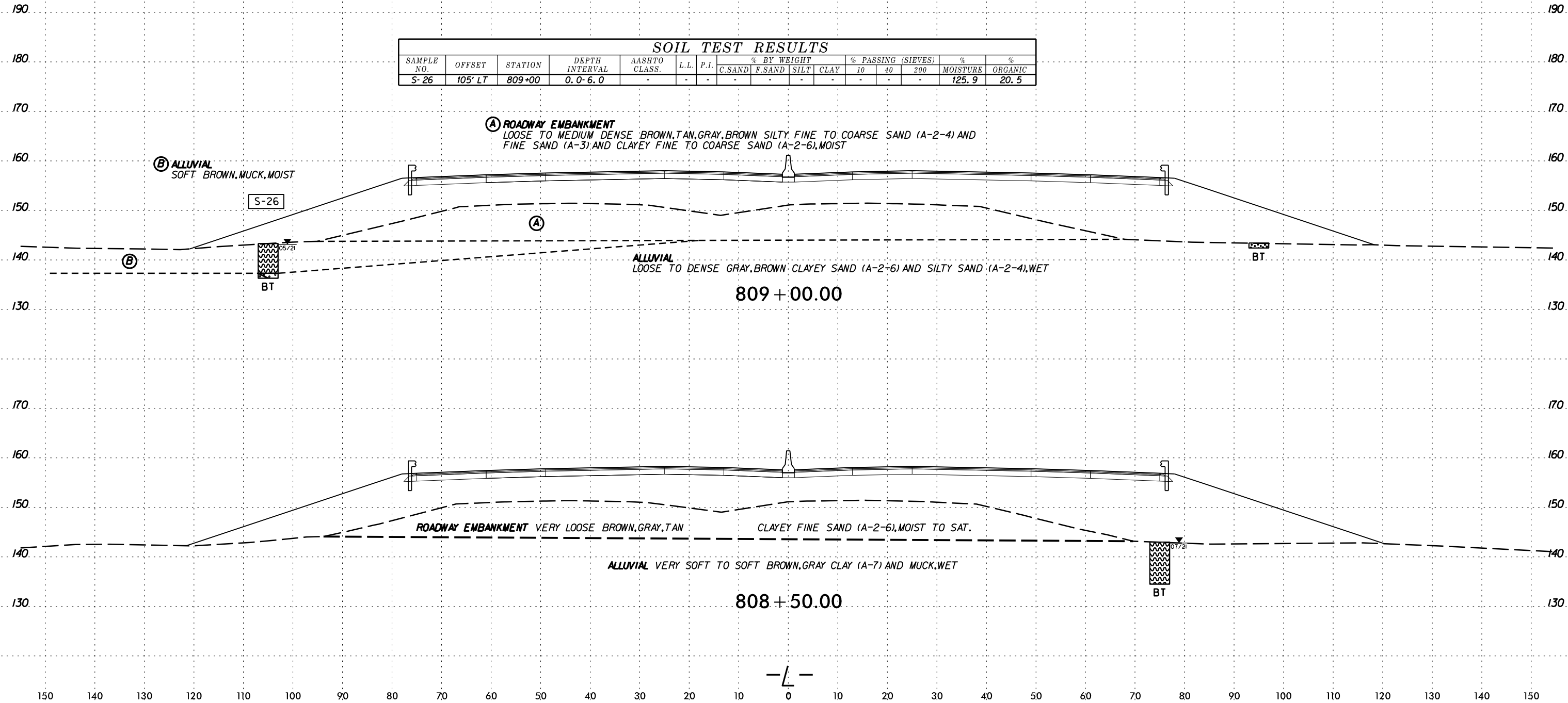
DATE PLOTTED: 6/23/16
DRAWN BY: J. BURRILL
CHECKED BY: J. BURRILL
SCALE: AS SHOWN



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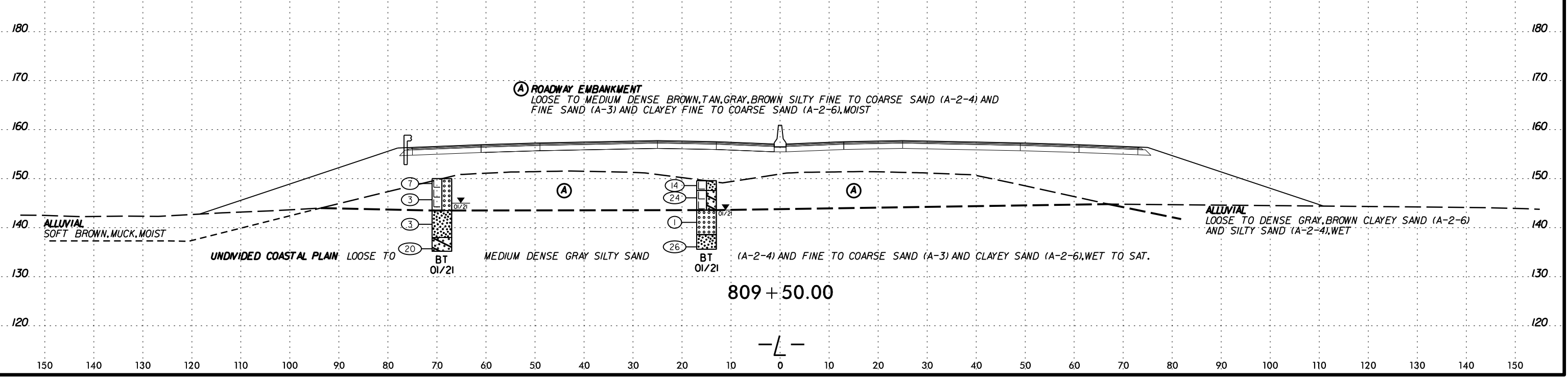
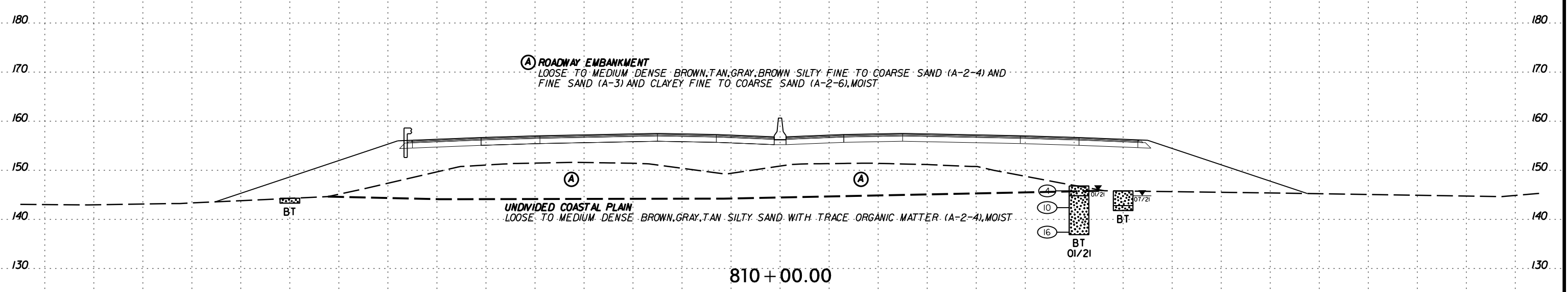
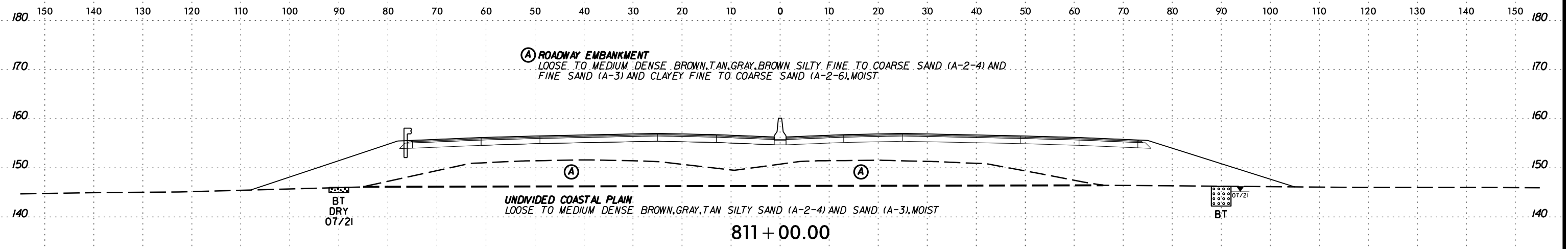
SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE ORGANIC	
							C.SAND	F.SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC
S-26	105' LT	809+00	0.0-6.0	-	-	-	-	-	-	-	-	-	-	125.9	20.5

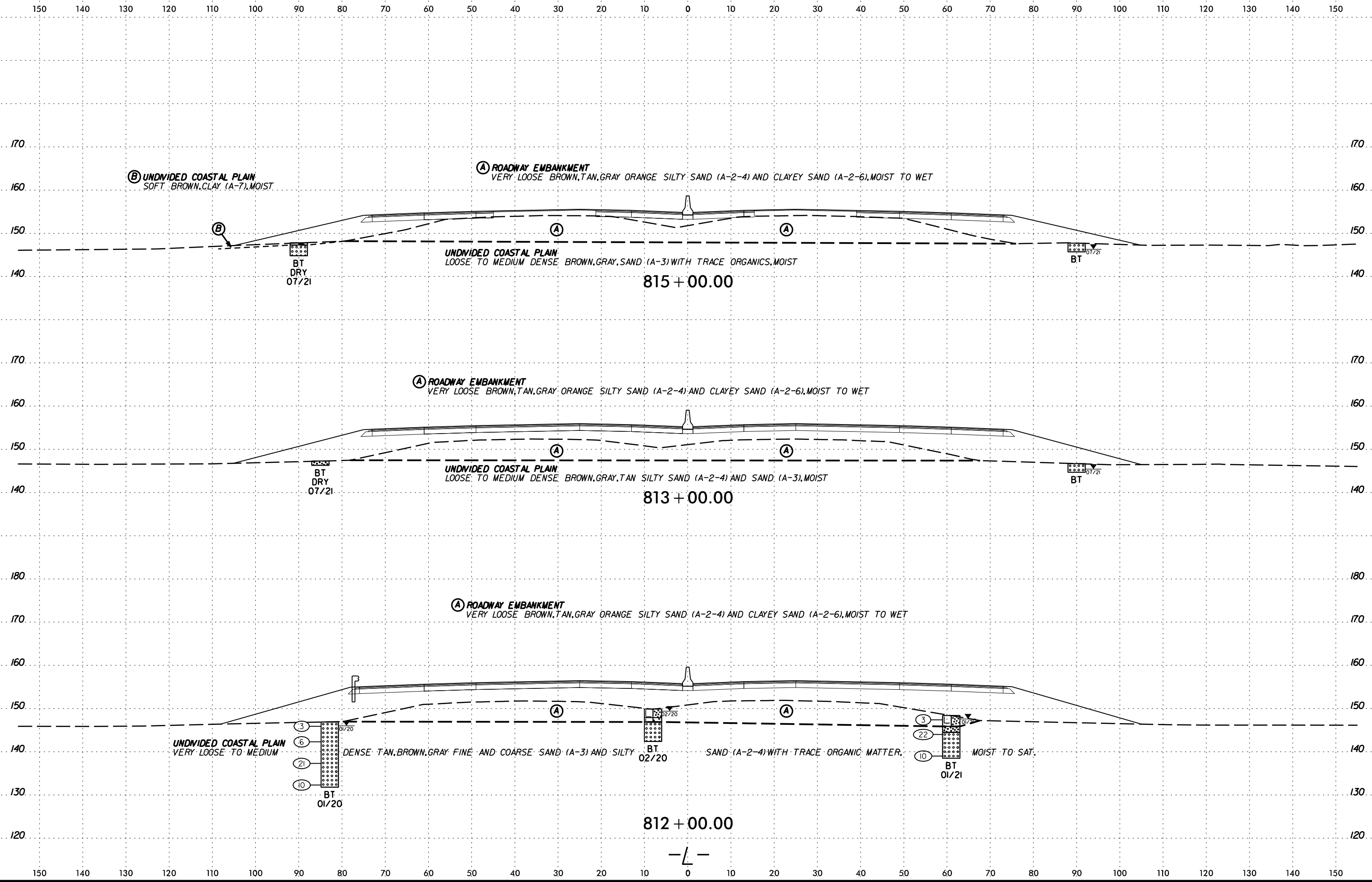


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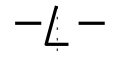
6/23/16
SCHEMATIC CROSS SECTION
PREFINAL



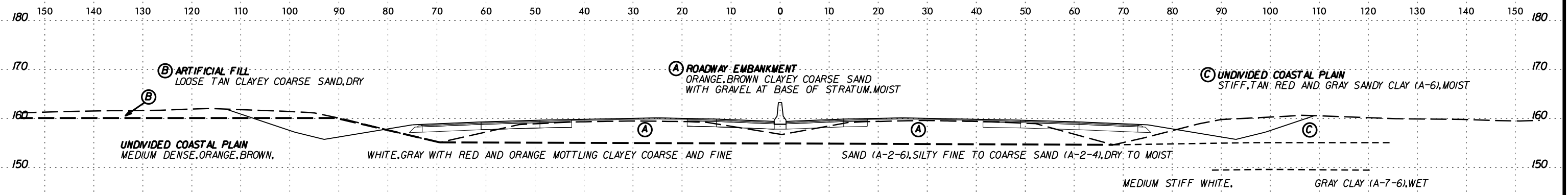
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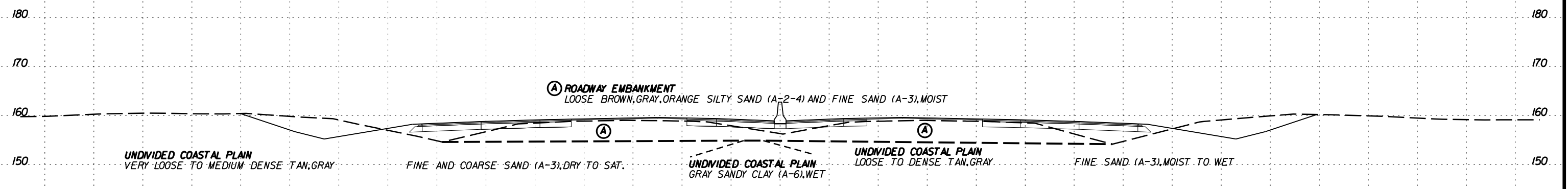
SUNSHINE CONSULTING ENGINEERS



6/23/16



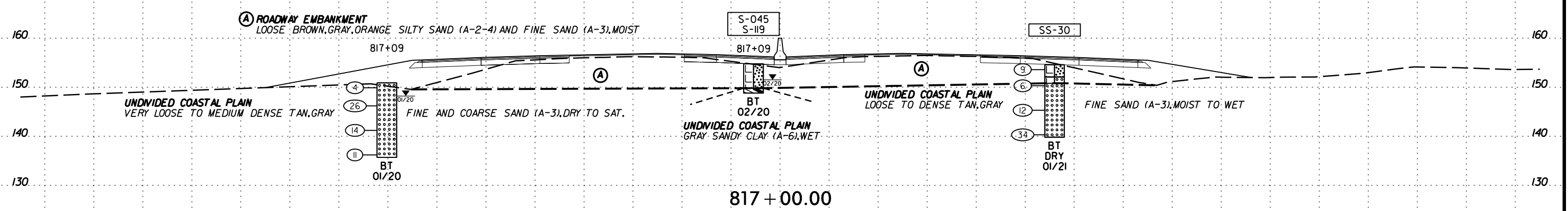
820 + 00.00



819 + 50.00

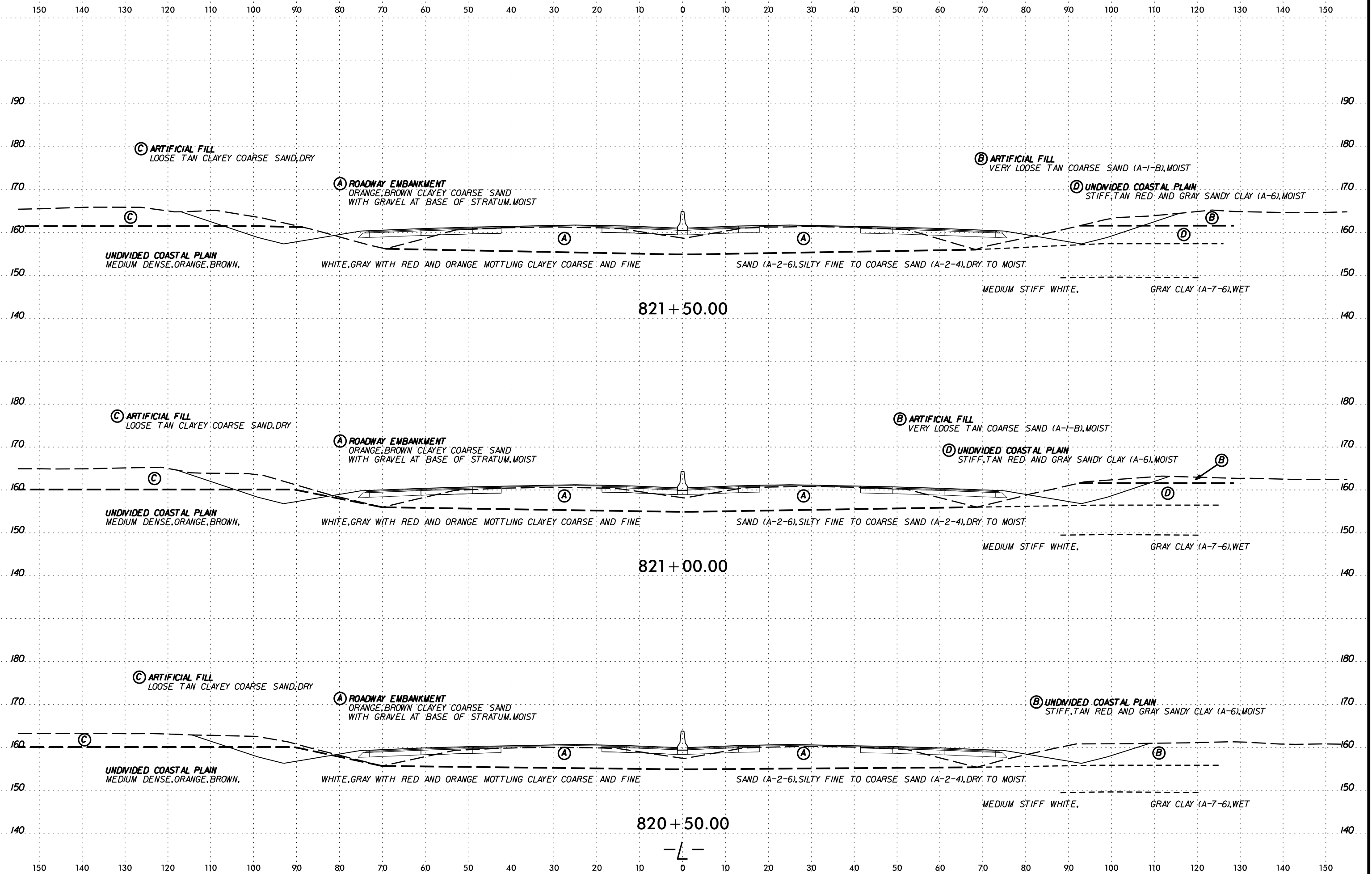
SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-30	56' RT	817+00	0.0-1.5	A-2-4(0)	NP	NP	65.0	22.0	2.0	11.0	92.0	52.0	14.1	9.9	ND
S-045	5' LT	817+09	0.0-5.0	A-2-4(0)	NP	NP	57.0	30.0	8.0	5.0	99.5	65.0	15.0	-	ND
S-119	5' LT	817+09	5.0-6.0	A-6(5)	28	12	21.3	13.9	55.0	9.8	99.5	87.0	66.0	-	ND



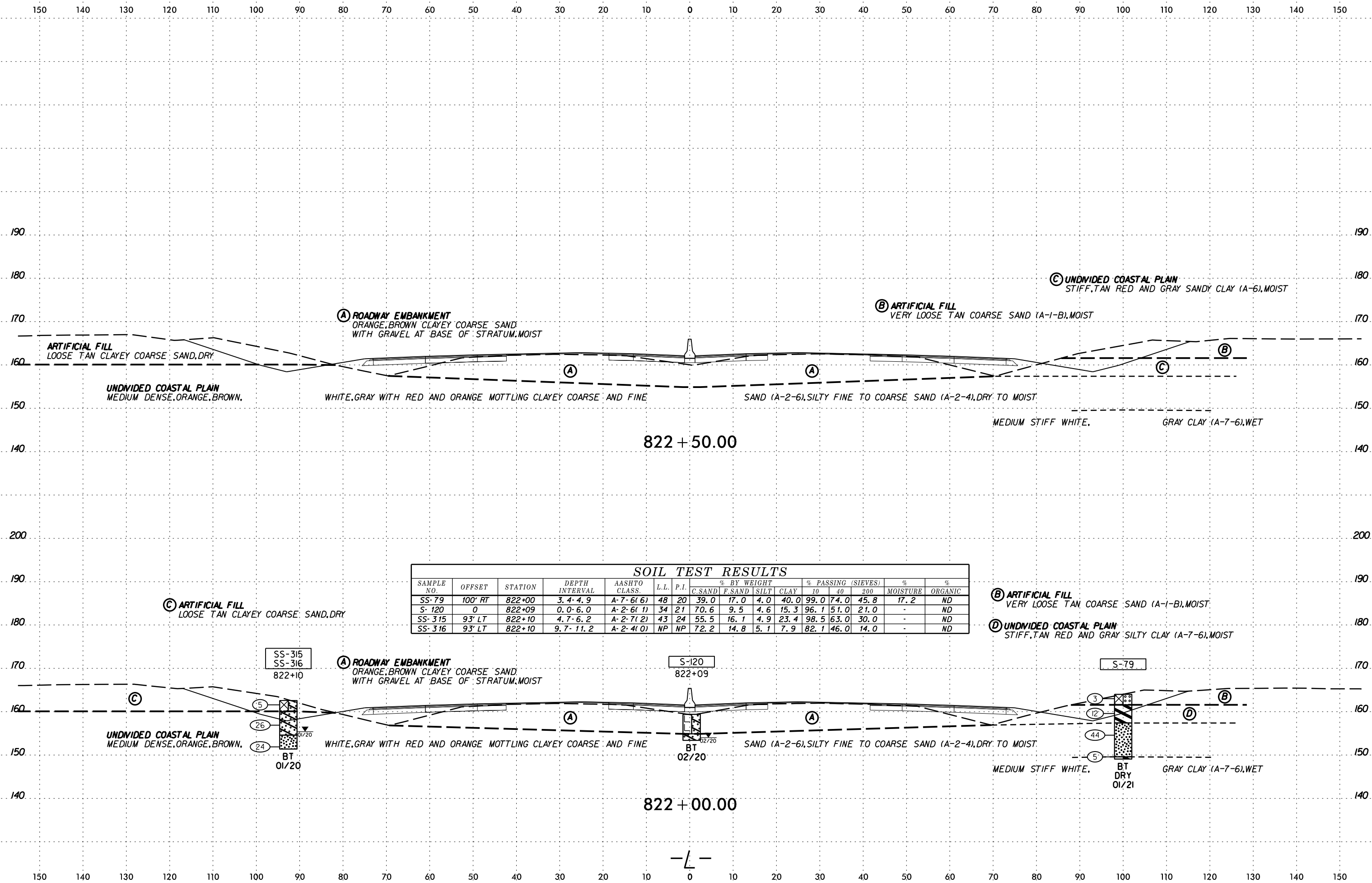
817 + 00.00

-L-



DATE: 6/23/16
DRAWN BY: [illegible]
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SCALE: AS SHOWN

6/23/16



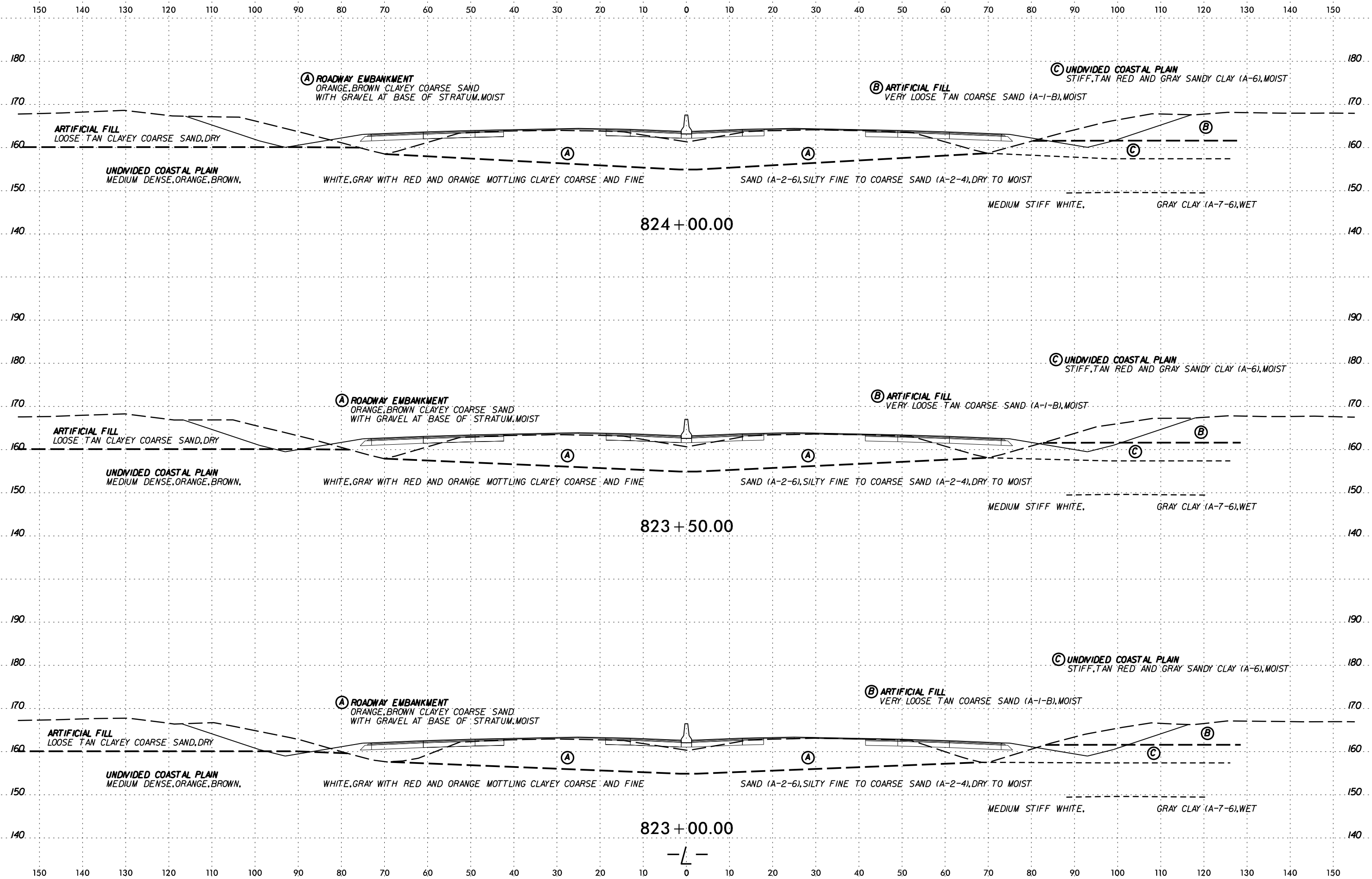
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			%	
							C.SAND	F.SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC
SS-79	100' RT	822+00	3.4-4.9	A-7-6(6)	48	20	39.0	17.0	4.0	40.0	99.0	74.0	45.8	17.2	ND
S-120	0	822+09	0.0-6.0	A-2-6(1)	34	21	70.6	9.5	4.6	15.3	96.1	51.0	21.0	-	ND
SS-315	93' LT	822+10	4.7-6.2	A-2-7(2)	43	24	55.5	16.1	4.9	23.4	98.5	63.0	30.0	-	ND
SS-316	93' LT	822+10	9.7-11.2	A-2-4(0)	NP	NP	72.2	14.8	5.1	7.9	82.1	46.0	14.0	-	ND

822 + 50.00

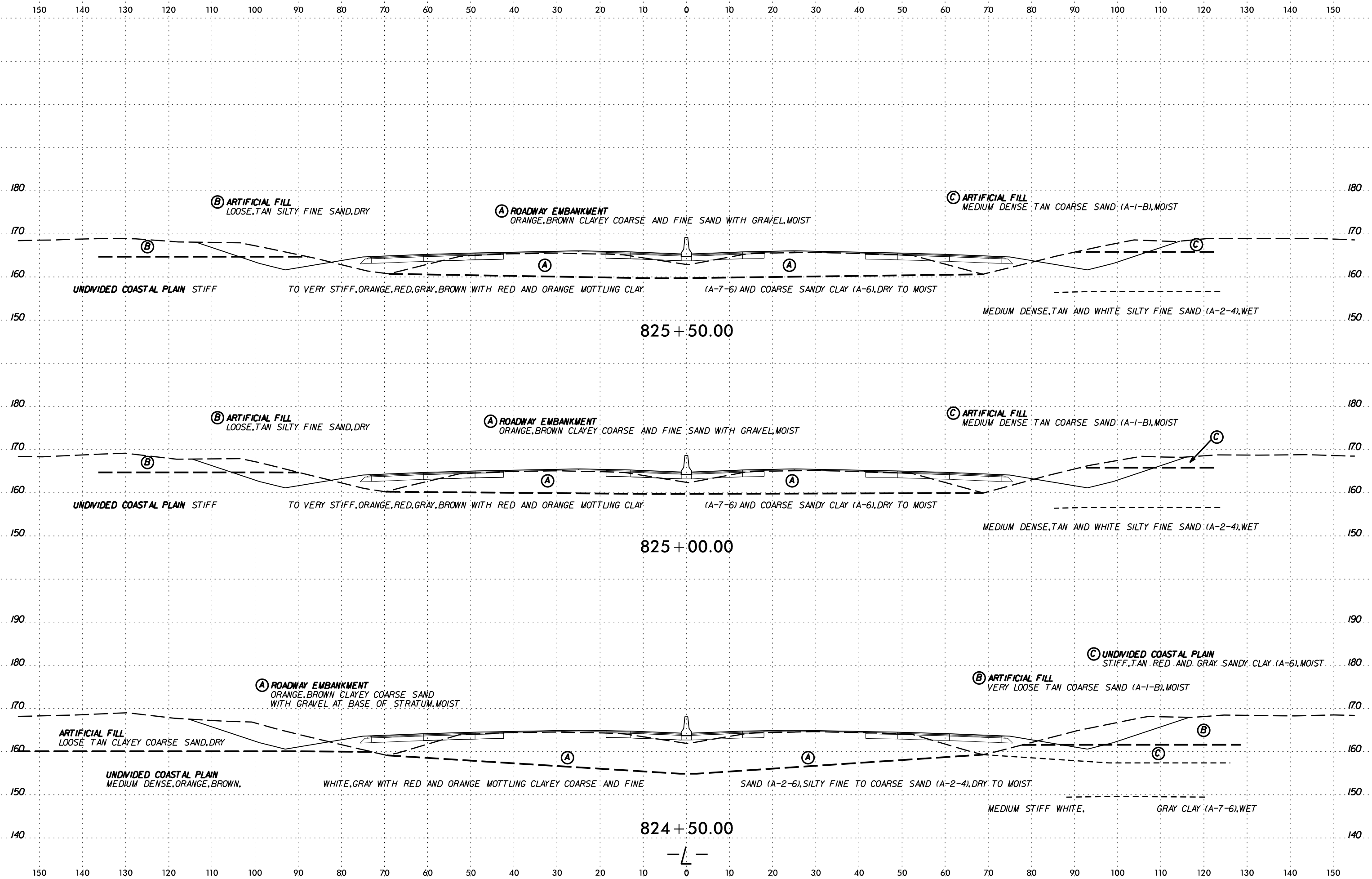
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-L-

DATE PLOTTED: 06/23/16

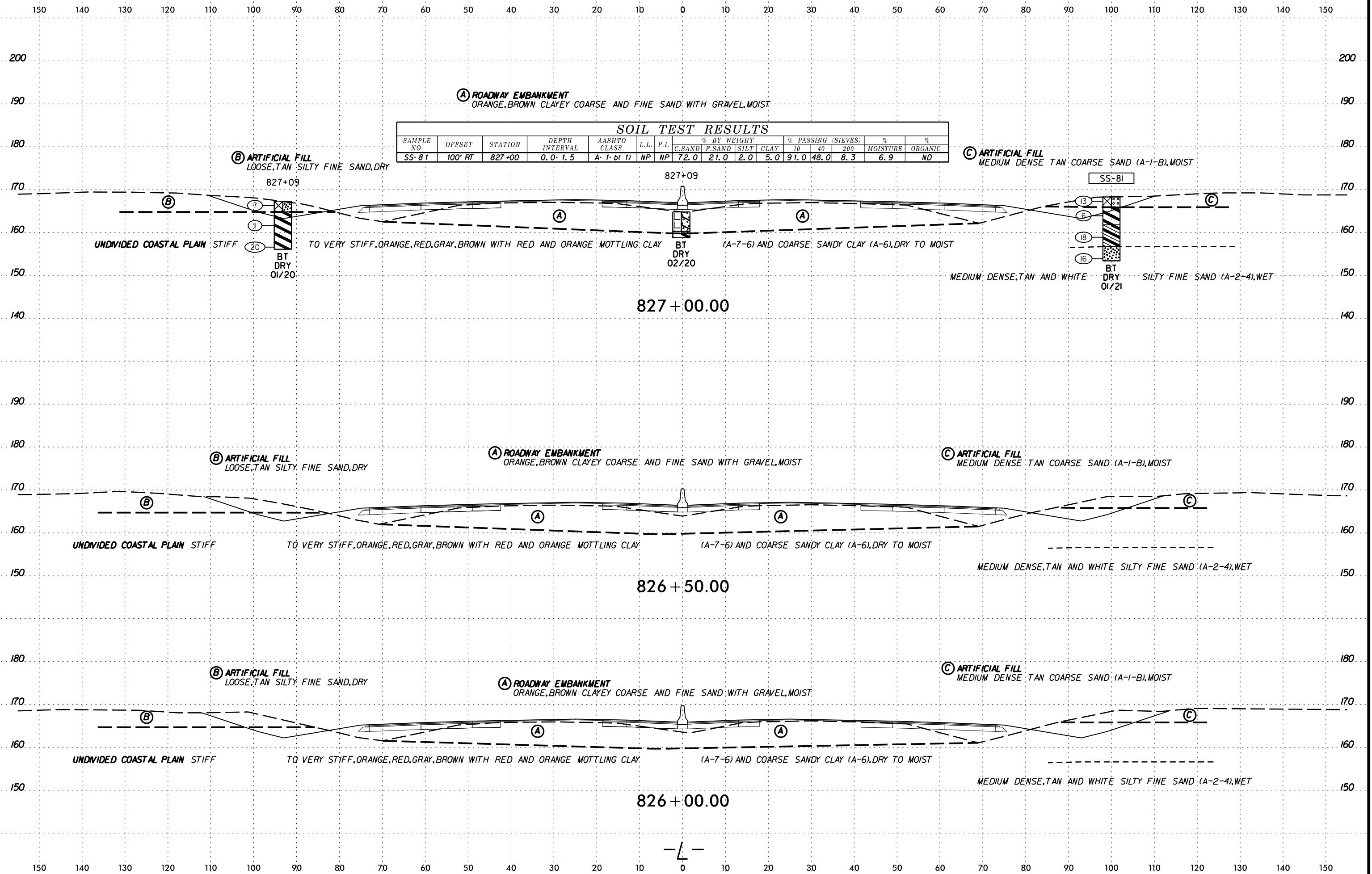


SCHEMATIC DEVELOPMENT

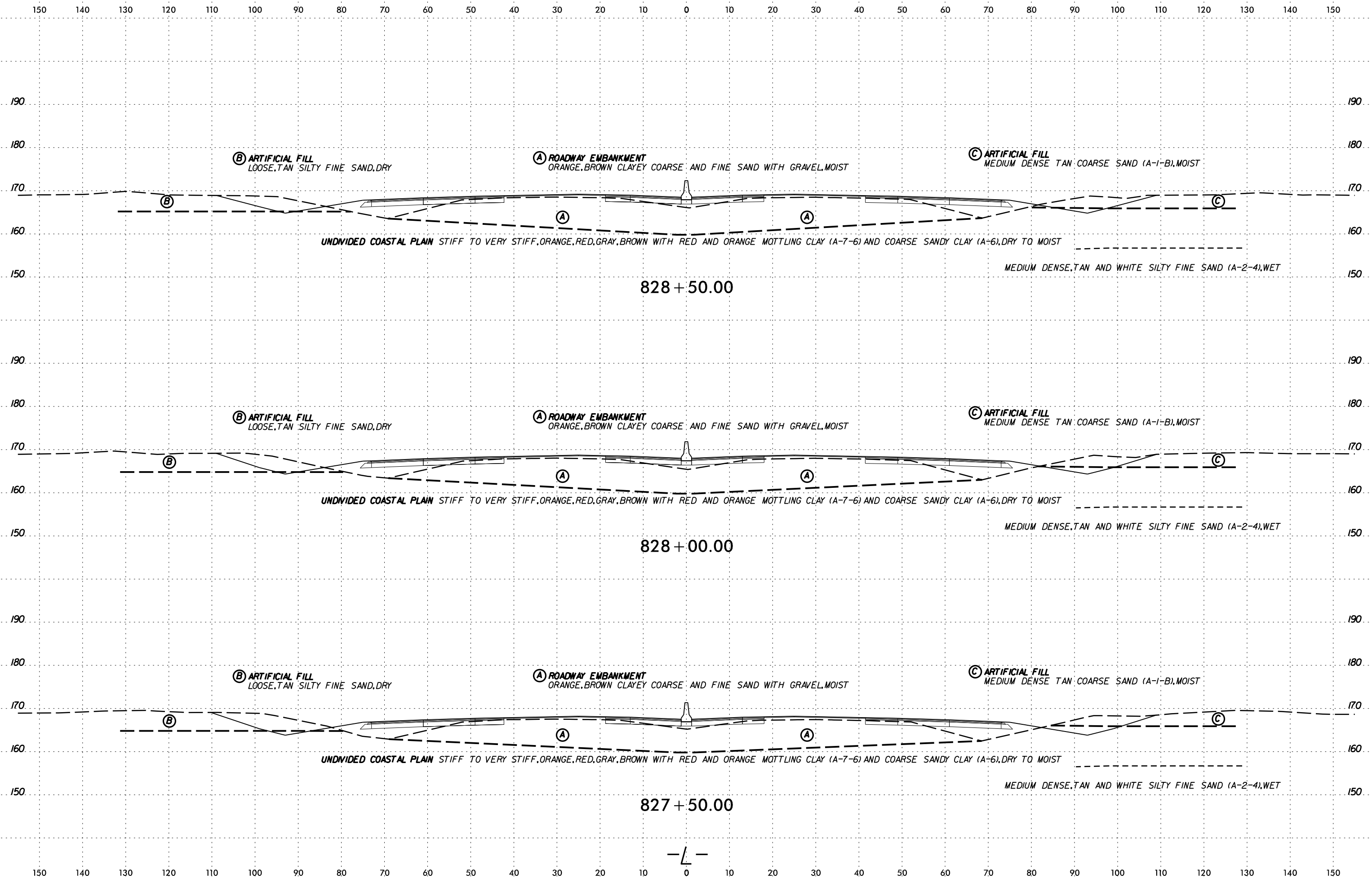


SYNTHESIS CONSULTING ENGINEERS

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)		MOISTURE	ORGANIC	
							C.SAND	F.SAND	SILT	CLAY	10	40			200
SS-81	100' RT	827+00	0.0-1.5	A-1-b(1)	NP	NP	72.0	21.0	2.0	5.0	91.0	48.0	8.3	6.9	ND

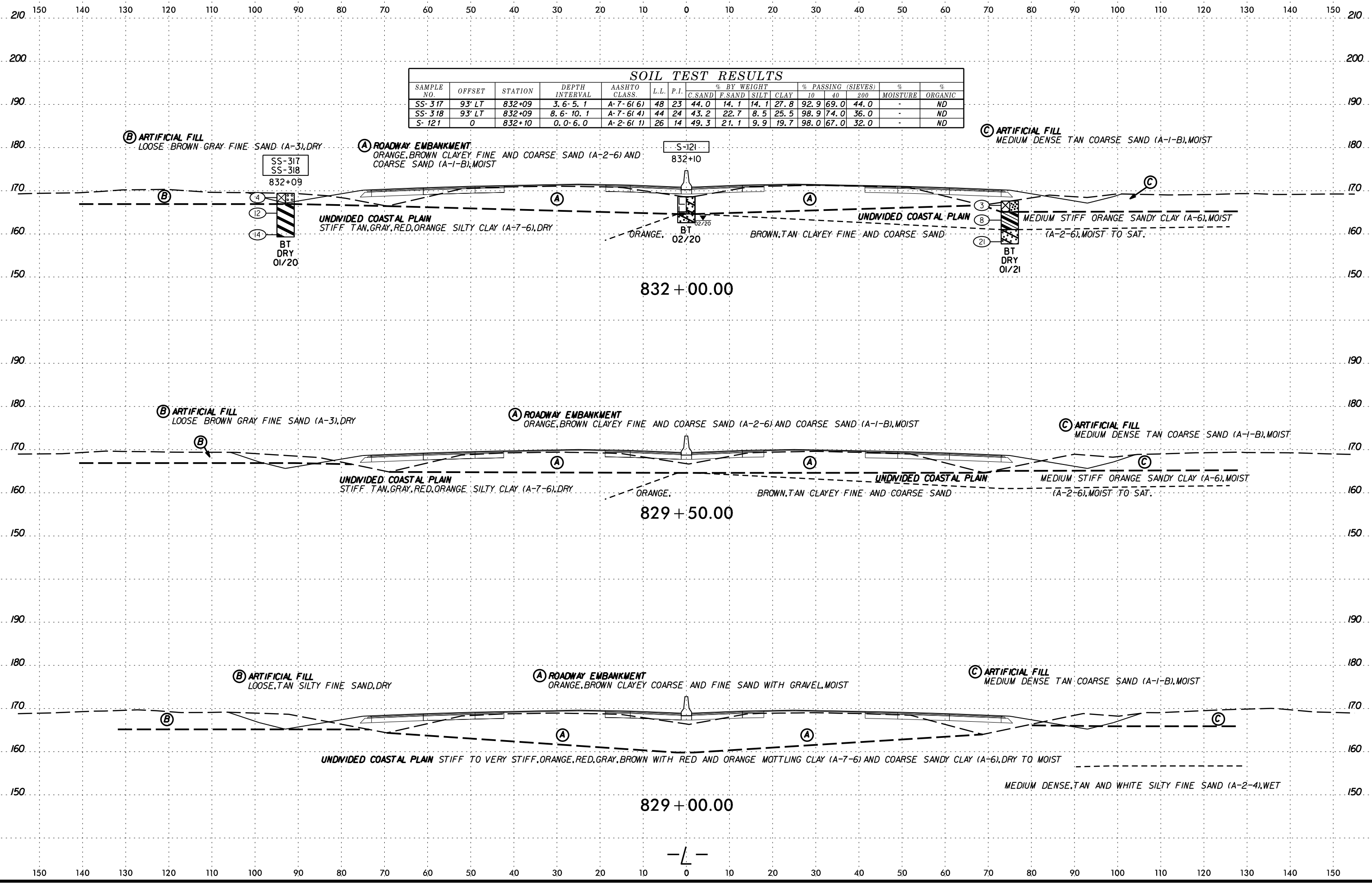


SCHEMATIC CROSS SECTION



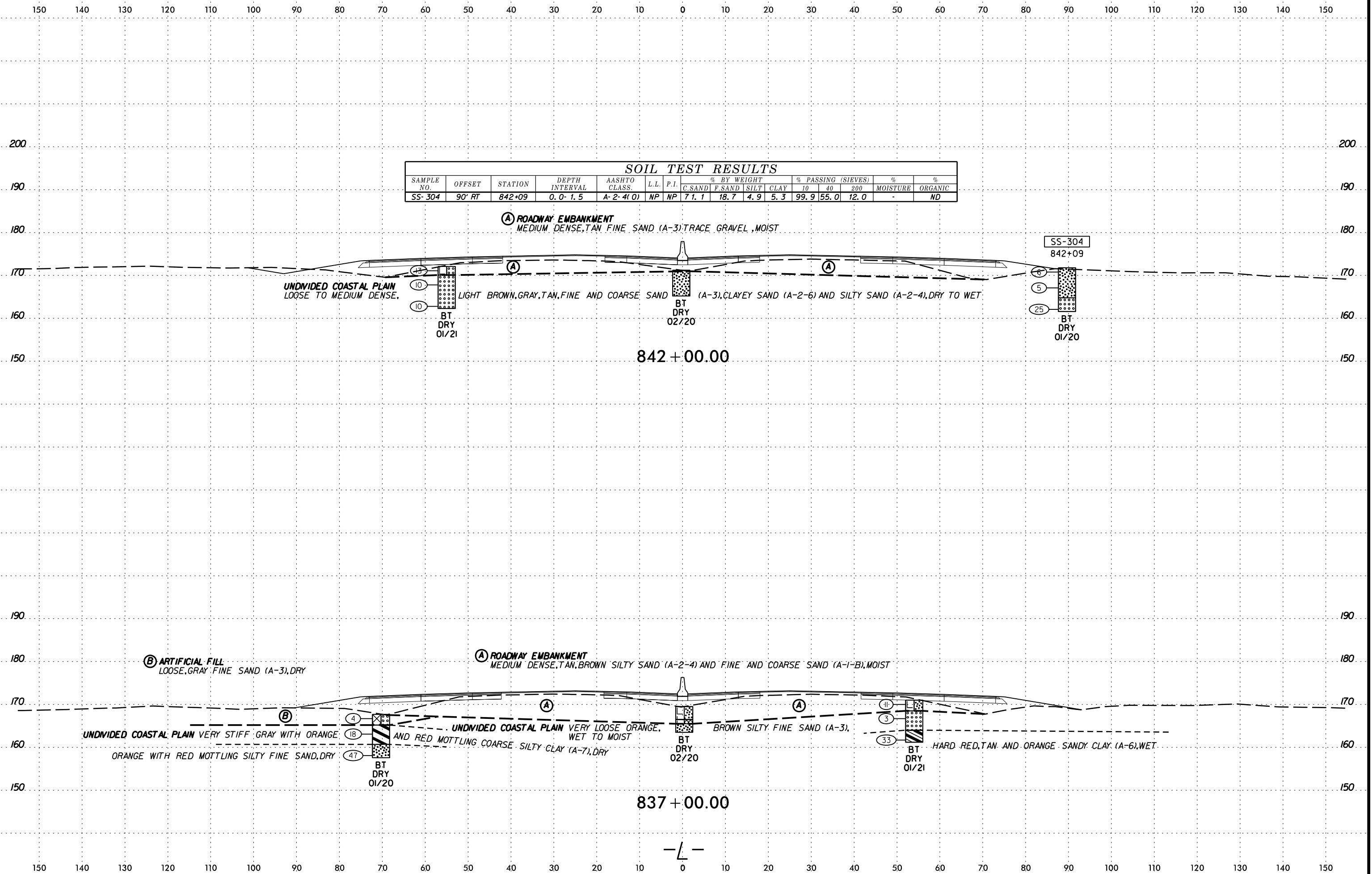
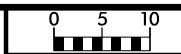
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SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-317	93' LT	832+09	3.6-5.1	A-7-6(6)	48	23	44.0	14.1	14.1	27.8	92.9	69.0	44.0	-	ND
SS-318	93' LT	832+09	8.6-10.1	A-7-6(4)	44	24	43.2	22.7	8.5	25.5	98.9	74.0	36.0	-	ND
S-121	0	832+10	0.0-6.0	A-2-6(1)	26	14	49.3	21.1	9.9	19.7	98.0	67.0	32.0	-	ND



SCHEMATIC CROSS SECTION OF ROADWAY EMBANKMENT

6/23/16



SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-304	90' RT	842+09	0.0-1.5	A-2-4(O)	NP	NP	71.1	18.7	4.9	5.3	99.9	55.0	12.0	-	ND

(A) ROADWAY EMBANKMENT
MEDIUM DENSE, TAN FINE SAND (A-3), TRACE GRAVEL, MOIST

UNDIVIDED COASTAL PLAIN
LOOSE TO MEDIUM DENSE.

LIGHT BROWN, GRAY, TAN, FINE AND COARSE SAND (A-3), CLAYEY SAND (A-2-6) AND SILTY SAND (A-2-4), DRY TO WET

842 + 00.00

(B) ARTIFICIAL FILL
LOOSE, GRAY FINE SAND (A-3), DRY

(A) ROADWAY EMBANKMENT
MEDIUM DENSE, TAN, BROWN SILTY SAND (A-2-4) AND FINE AND COARSE SAND (A-1-B), MOIST

UNDIVIDED COASTAL PLAIN VERY STIFF GRAY WITH ORANGE

AND RED MOTTLING COARSE SILTY CLAY (A-7), DRY

BROWN SILTY FINE SAND (A-3),

HARD RED, TAN AND ORANGE SANDY CLAY (A-6), WET

ORANGE WITH RED MOTTLING SILTY FINE SAND, DRY

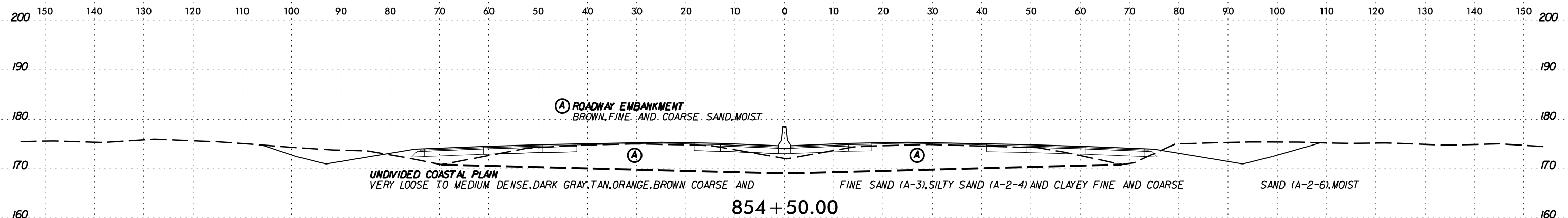
BT DRY 01/20

BT DRY 02/20

BT DRY 01/21

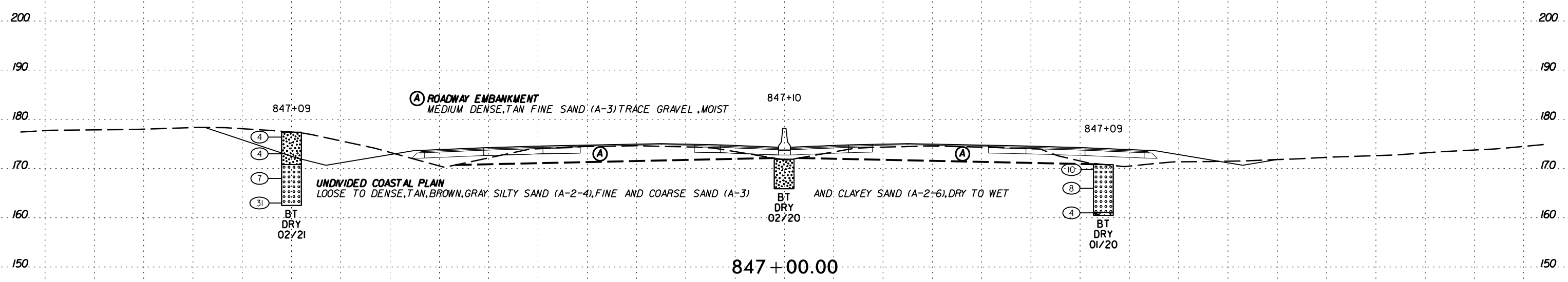
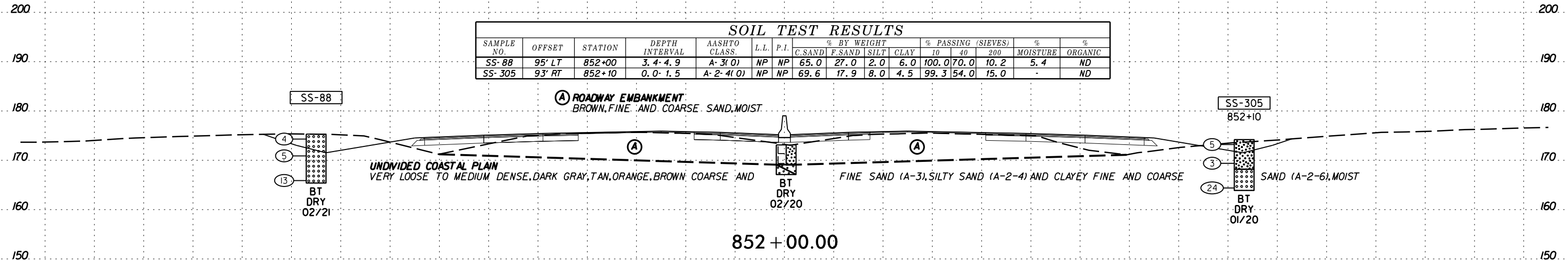
837 + 00.00



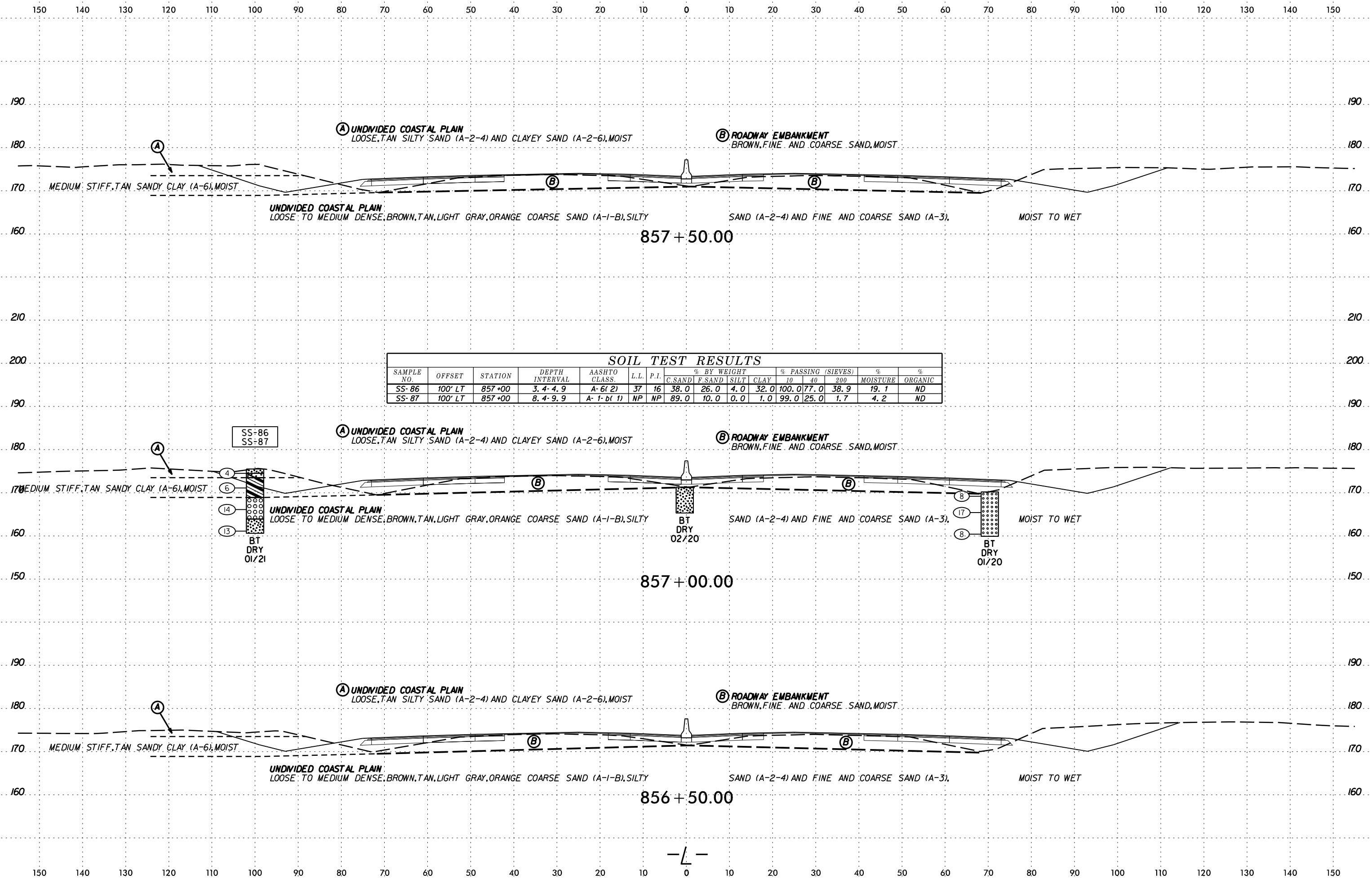


SOIL TEST RESULTS

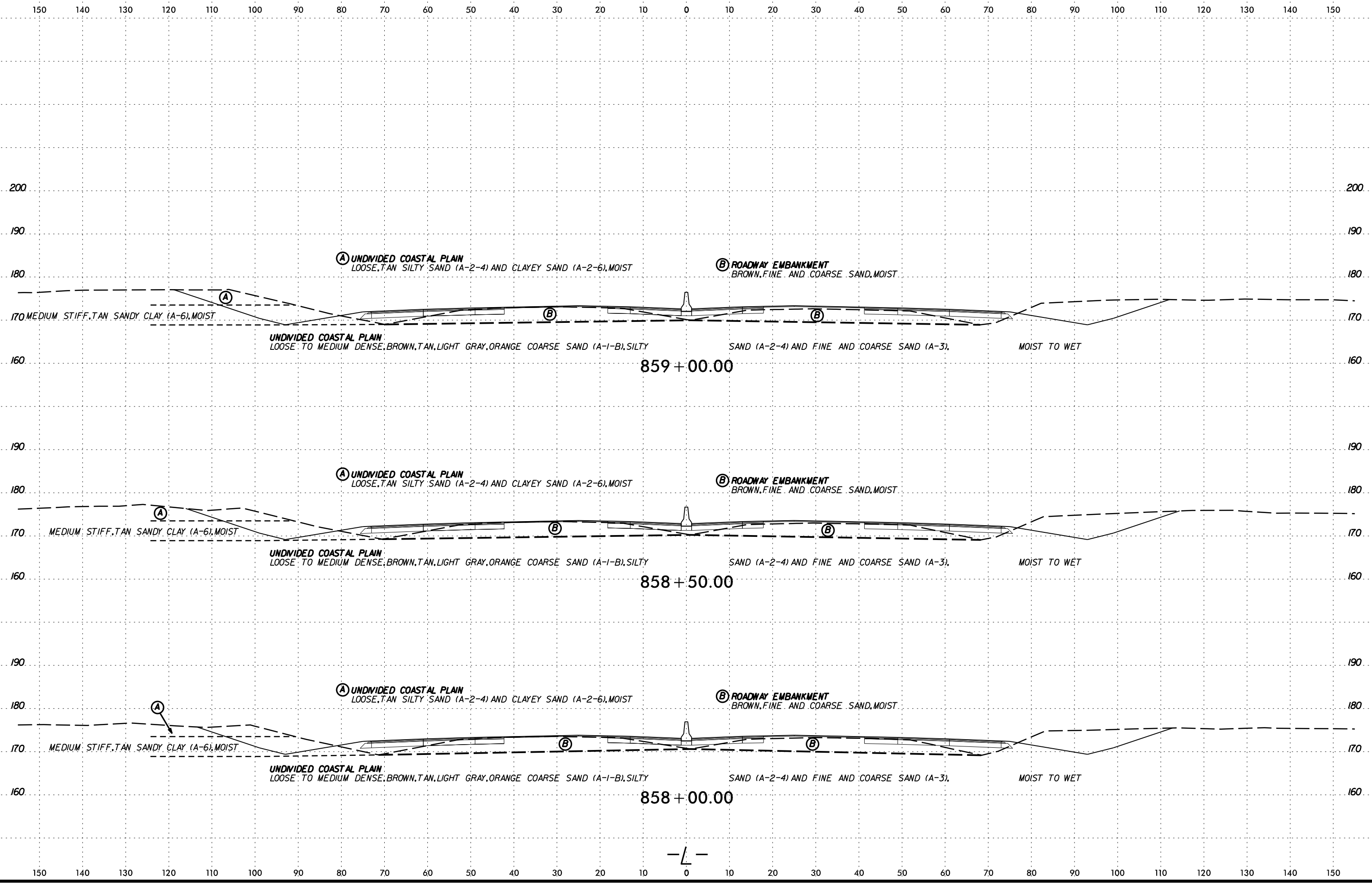
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-88	95' LT	852+00	3.4-4.9	A-3(O)	NP	NP	65.0	27.0	2.0	6.0	100.0	70.0	10.2	5.4	ND
SS-305	93' RT	852+10	0.0-1.5	A-2-4(O)	NP	NP	69.6	17.9	8.0	4.5	99.3	54.0	15.0	-	ND



SCHEMATIC DEVELOPMENT



DATE: 6/23/16
SCALE: 1"=20'
PROJECT: I-5987B
SHEET: 236



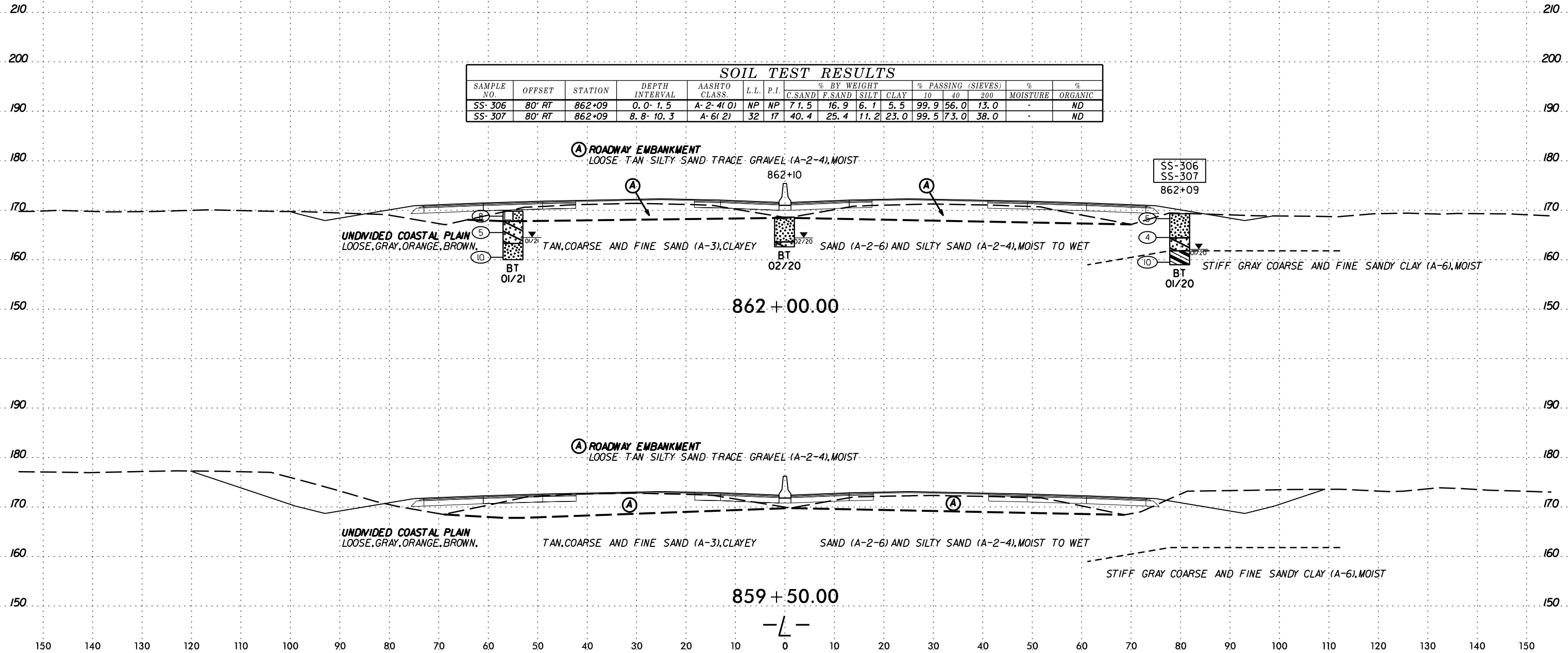
DATE: 6/23/16
SCALE: 1"=10'
PROJECT: I-5987B
SHEET: 237



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							G.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-306	80' RT	862+09	0.0-1.5	A-2-4(0)	NP	NP	71.5	16.9	6.1	5.5	99.9	56.0	13.0	-	ND
SS-307	80' RT	862+09	8.8-10.3	A-6(2)	32	17	40.4	25.4	11.2	23.0	99.5	73.0	38.0	-	ND



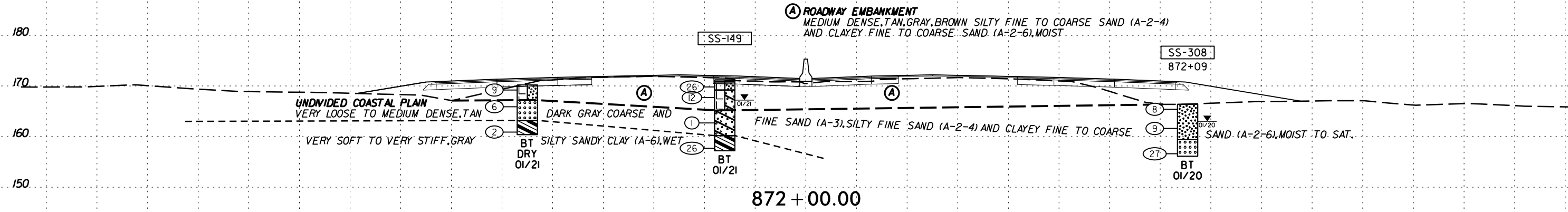
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210 200 190 180 170 160 150

210 200 190 180 170 160 150

SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-149	16' LT	872+00	7.5-9.0	A-2-6(O)	28	11	49.0	27.0	8.0	16.0	99.0	71.0	27.0	17.5	ND
SS-308	75' RT	872+09	0.0-1.5	A-2-4(O)	NP	NP	50.3	23.0	12.5	14.2	99.1	68.0	29.0	-	ND



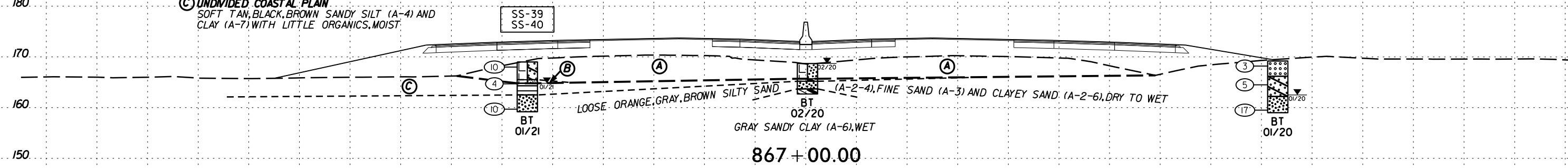
210 200 190 180 170 160 150

210 200 190 180 170 160 150

- (A) ROADWAY EMBANKMENT**
 LOOSE ORANGE, BROWN FINE AND COARSE SAND WITH SILT AND CLAY AND CLAYEY SAND (A-2-6), MOIST TO WET
- (B) ROADWAY EMBANKMENT**
 STIFF TAN SANDY SILT (A-4), MOIST
- (C) UNDIVIDED COASTAL PLAIN**
 SOFT TAN, BLACK, BROWN SANDY SILT (A-4) AND CLAY (A-7) WITH LITTLE ORGANICS, MOIST

SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-39	55' LT	867+00	4.2-4.8	A-4(O)	27	8	41.0	27.0	8.0	24.0	100.0	73.0	36.9	26.3	7.3
SS-40	55' LT	867+00	8.3-9.8	A-2-4(O)	25	5	47.0	33.0	7.0	13.0	100.0	70.0	25.1	13.4	ND



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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200

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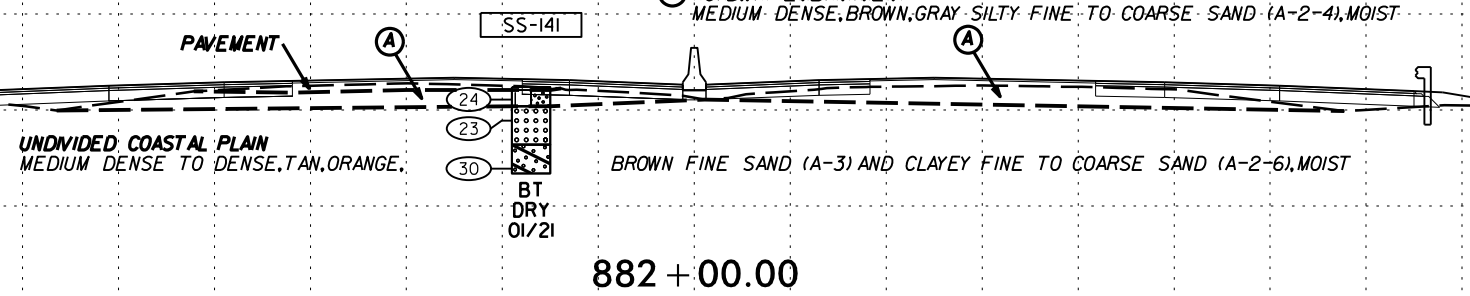
160

150

150

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-141	17' LT	882+00	0.3-1.8	A-2-4(0)	NP	NP	64.0	22.0	6.0	8.0	100.0	61.0	15.8	9.5	ND

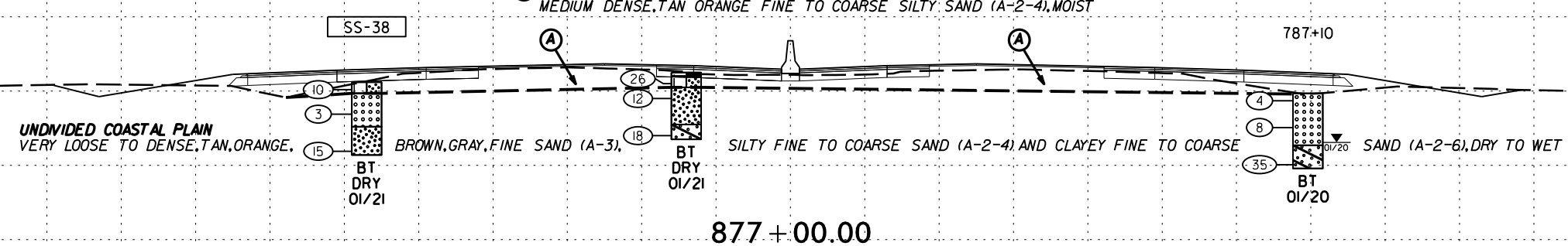
(A) ROADWAY EMBANKMENT
MEDIUM DENSE, BROWN, GRAY SILTY FINE TO COARSE SAND (A-2-4), MOIST



882 + 00.00

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-38	57' LT	877+10	0.0-1.5	A-2-4(0)	NP	NP	61.0	21.0	4.0	14.0	97.0	57.0	19.3	7.6	ND

(A) ROADWAY EMBANKMENT
MEDIUM DENSE, TAN ORANGE FINE TO COARSE SILTY SAND (A-2-4), MOIST



877 + 00.00

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BY: [illegible]
CHECKED: [illegible]
SCALE: AS SHOWN
PROJECT: [illegible]



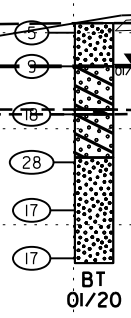
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200
190
180
170
160
150
140

200
190
180
170
160
150
140

(B) UNDIVIDED COASTAL PLAIN
VERY STIFF, ORANGE-BROWN-GRAY, FINE TO COARSE SILTY CLAY (A-7), WET

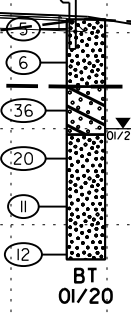
882+66.2



(A) ROADWAY EMBANKMENT
MEDIUM DENSE, BROWN-GRAY SILTY FINE TO COARSE SAND (A-2-4), MOIST

UNDIVIDED COASTAL PLAIN LOOSE, BROWN, TAN SILTY FINE TO COARSE SAND (A-2-4) WITH TRACE ORGANICS, MOIST TO WET

COASTAL PLAIN
MEDIUM DENSE TO DENSE, ORANGE, BROWN, TAN, GRAY CLAYEY FINE TO COARSE SAND (A-2-6) AND
SILTY FINE TO COARSE SAND (A-2-4) WITH TRACE CLAY AND GRAVEL (MIDDENDORF FORMATION), WET TO SAT

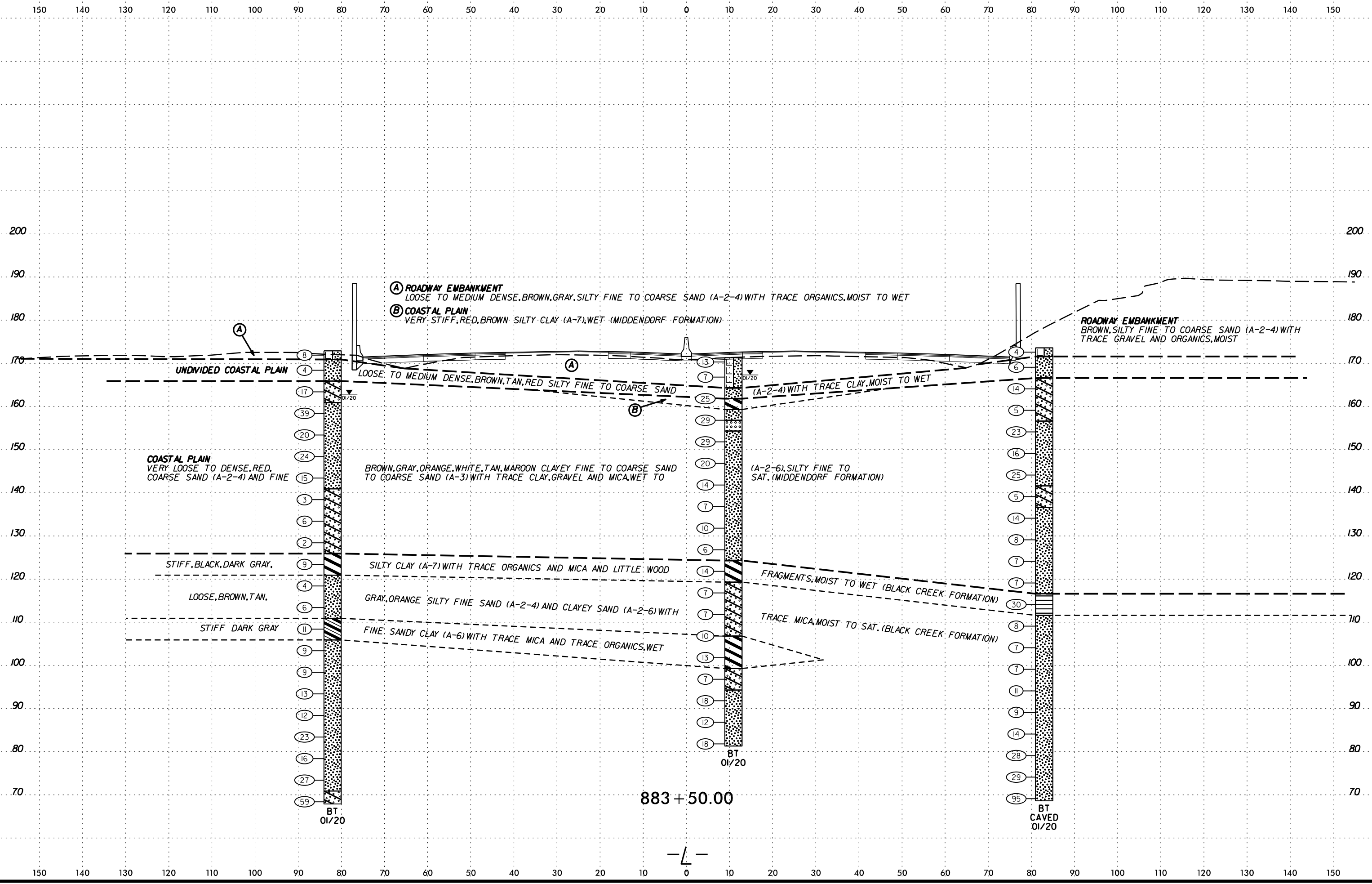


882 + 50.00

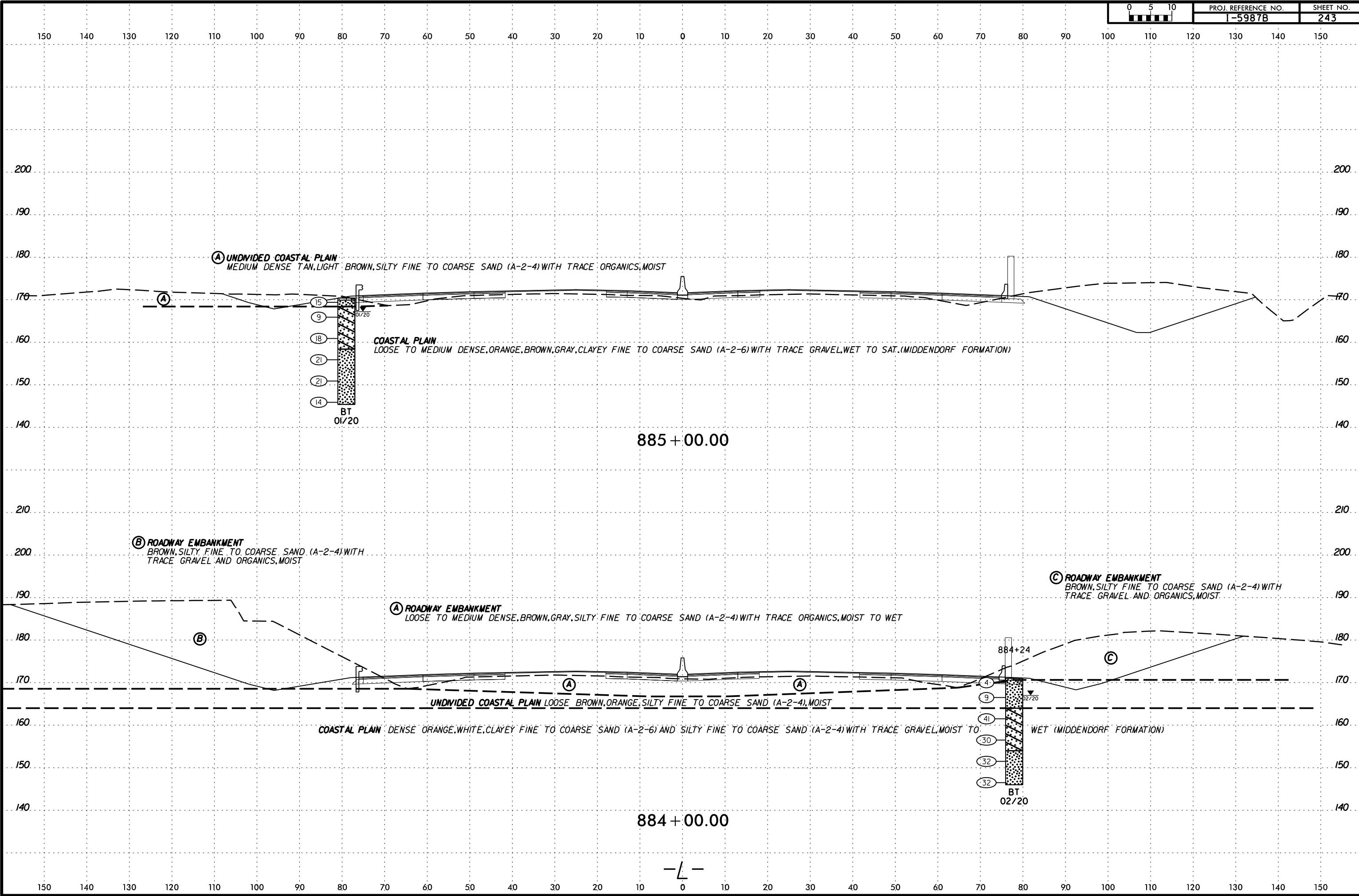


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DATE: 6/23/16
SCALE: 1"=40'
PROJECT: I-5987B
SHEET: 241

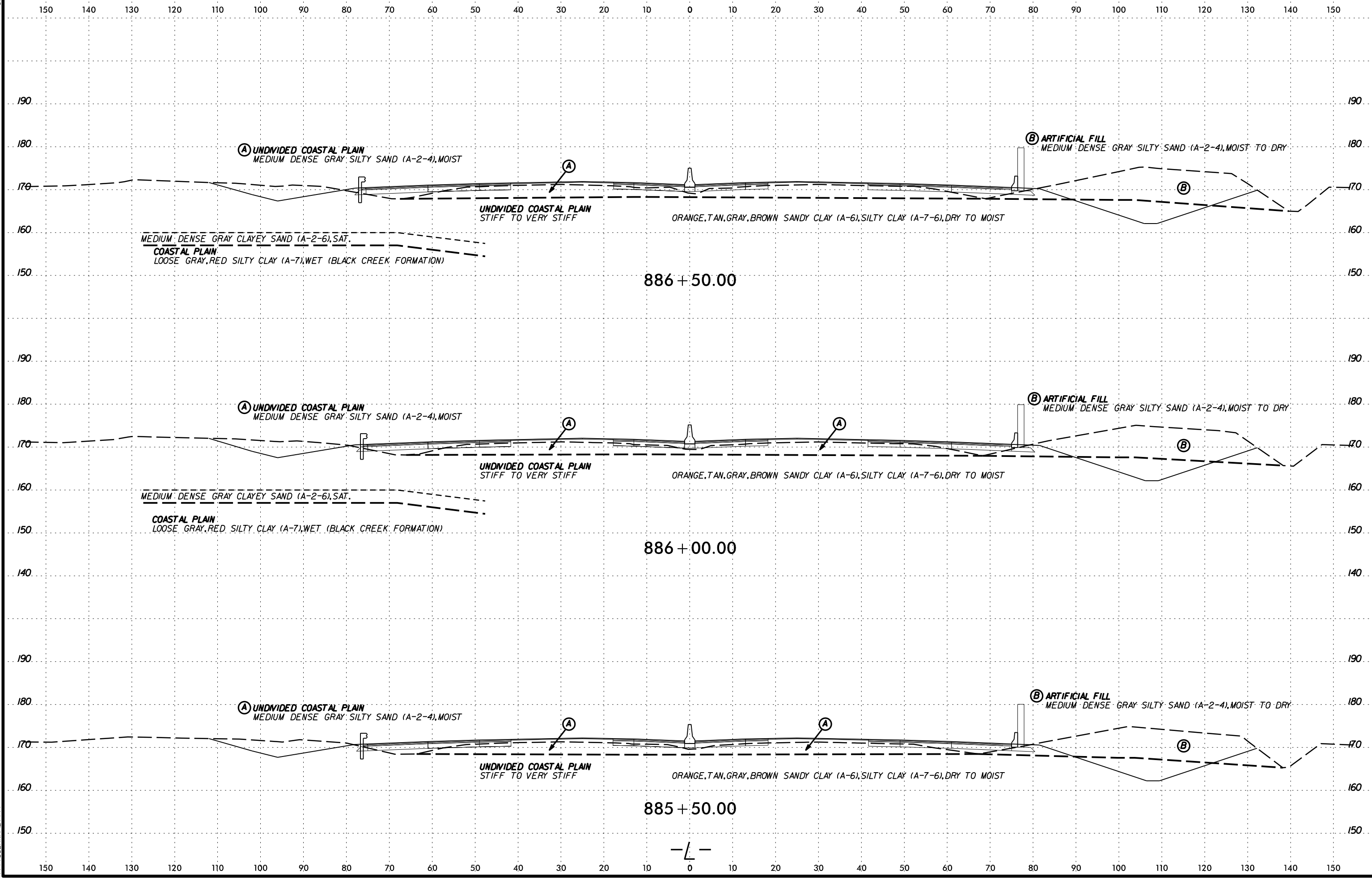


SCHEMATIC CROSS SECTION

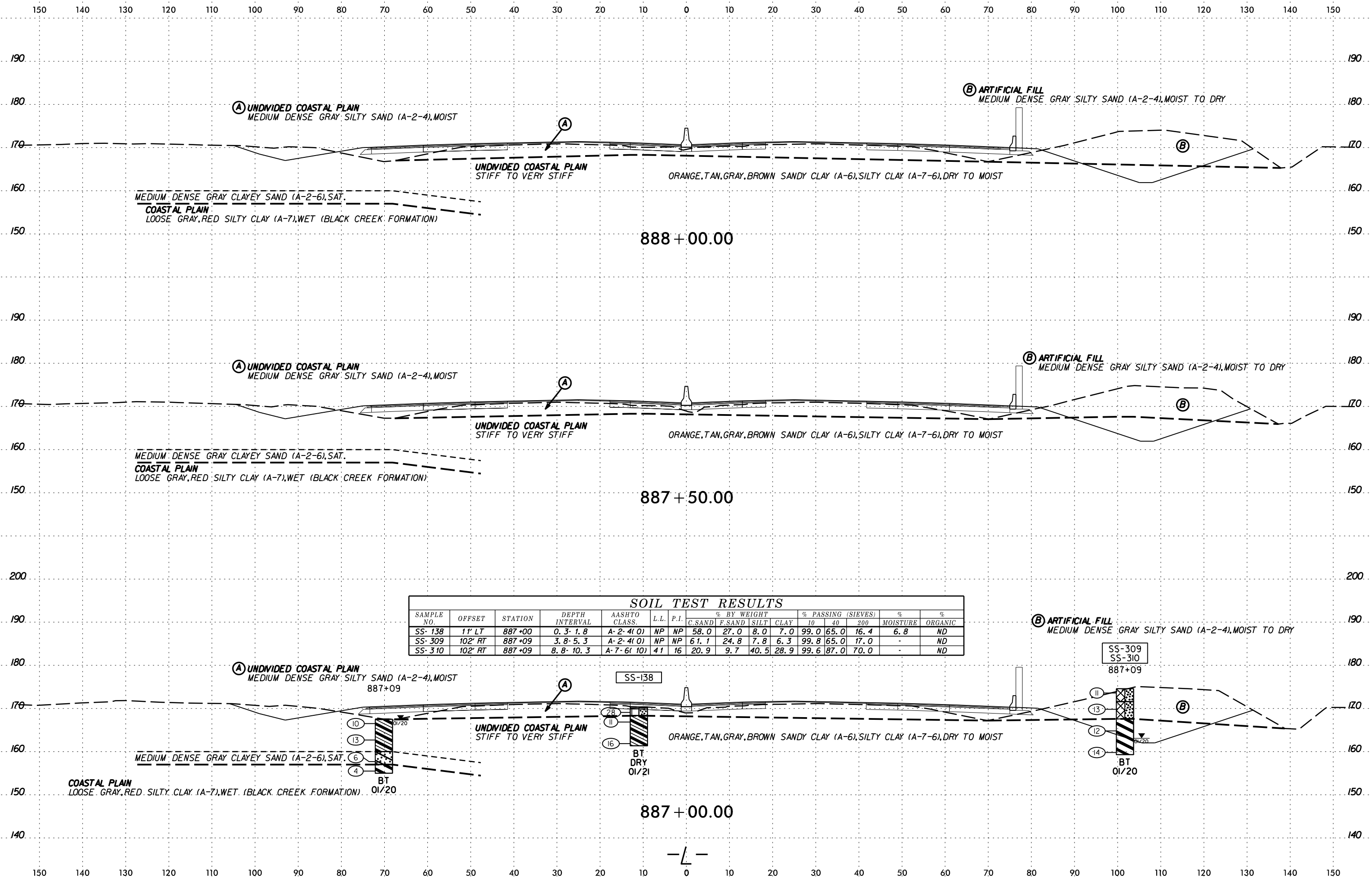


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6/23/16

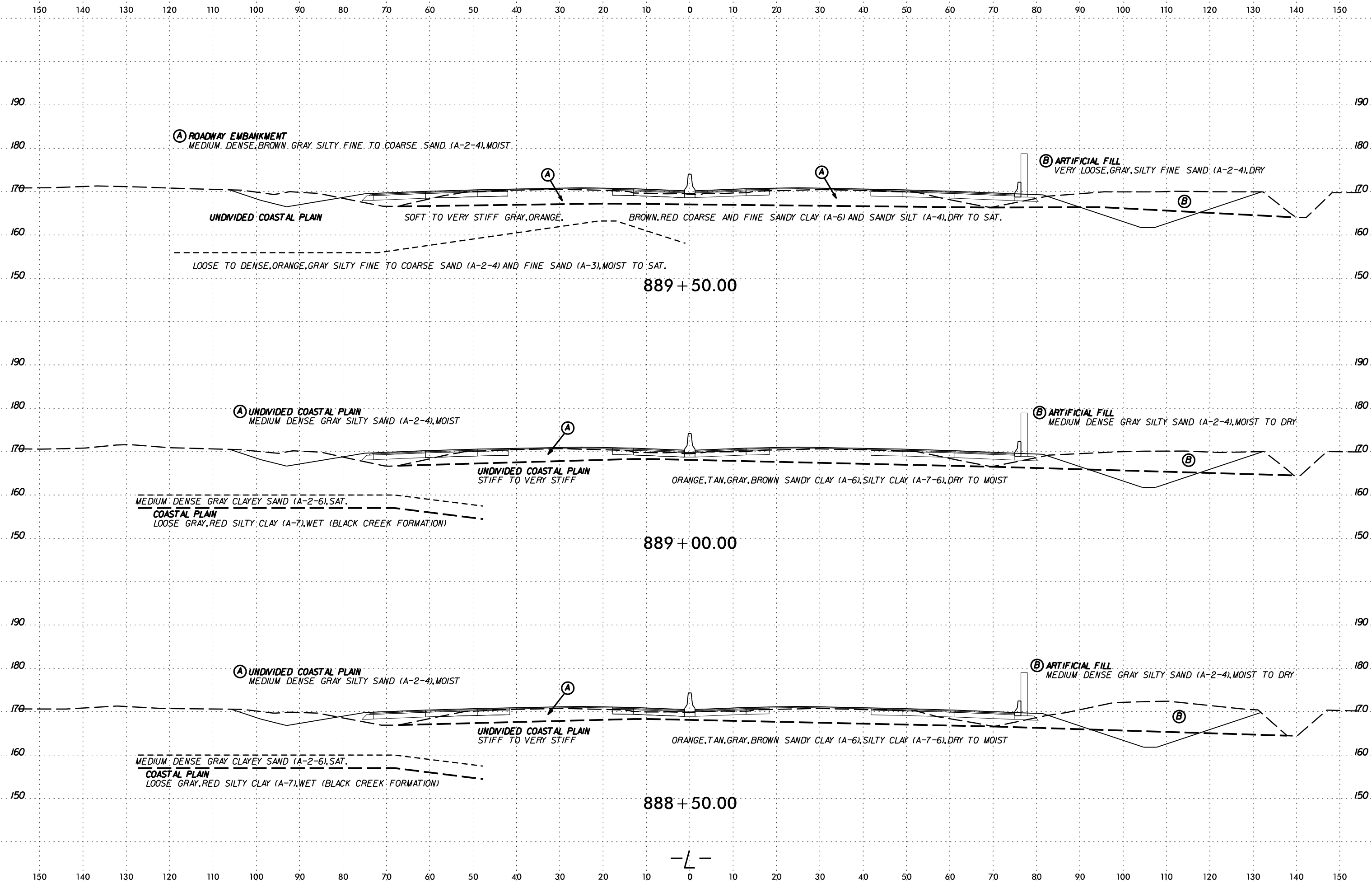


SCHEMATIC CROSS SECTION
DATE: 6/23/16
DRAWN BY: J. BRYAN

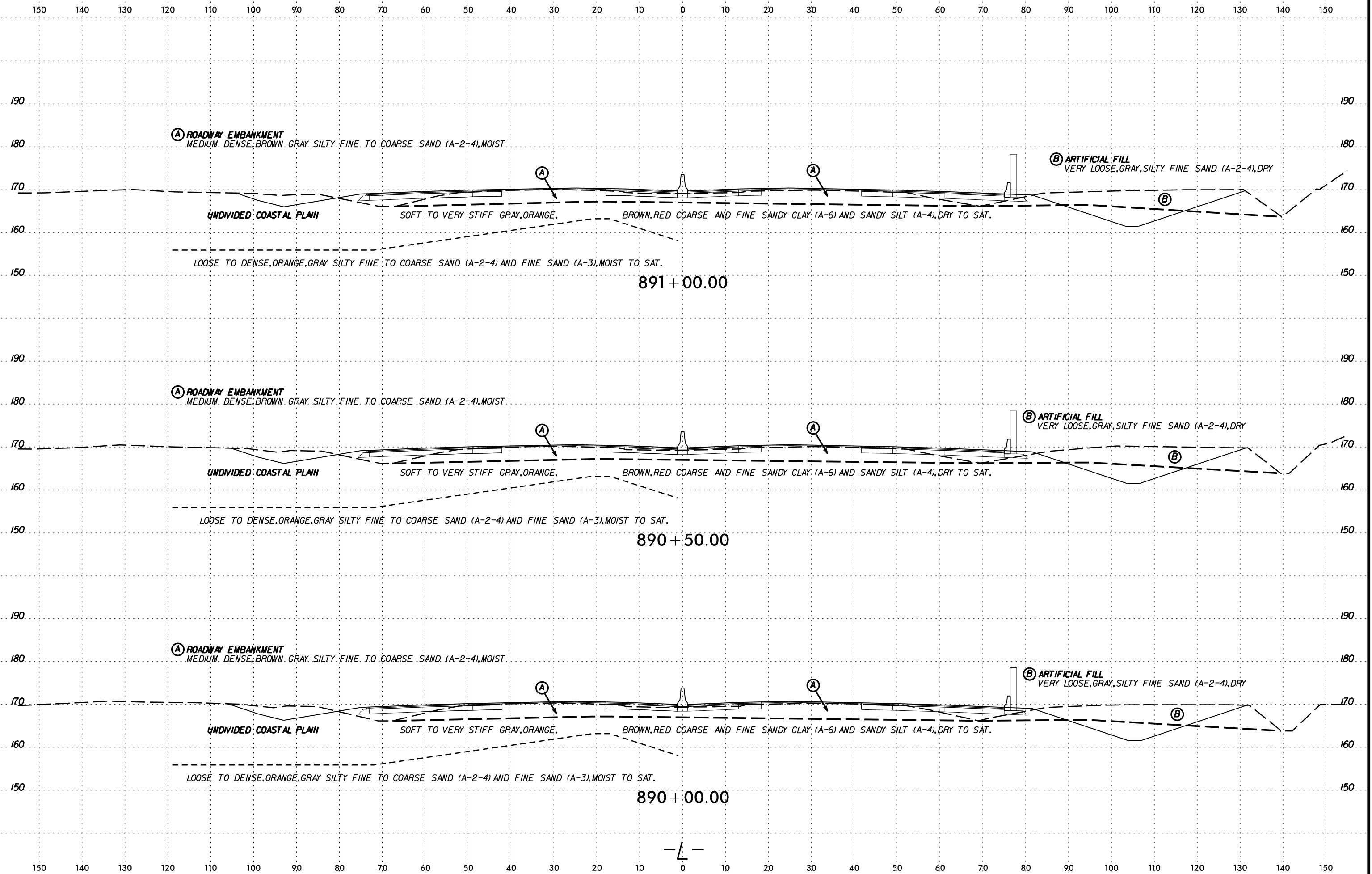
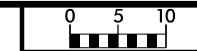


SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-138	11' LT	887+00	0.3-1.8	A-2-4(0)	NP	NP	58.0	27.0	8.0	7.0	99.0	65.0	16.4	6.8	ND
SS-309	102' RT	887+09	3.8-5.3	A-2-4(0)	NP	NP	61.1	24.8	7.8	6.3	99.8	65.0	17.0	-	ND
SS-310	102' RT	887+09	8.8-10.3	A-7-6(10)	41	16	20.9	9.7	40.5	28.9	99.6	87.0	70.0	-	ND

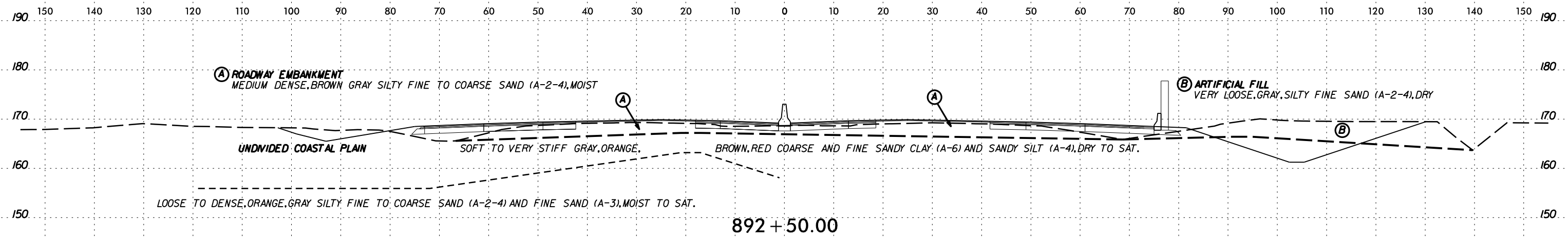
SCALE: 1" = 10'



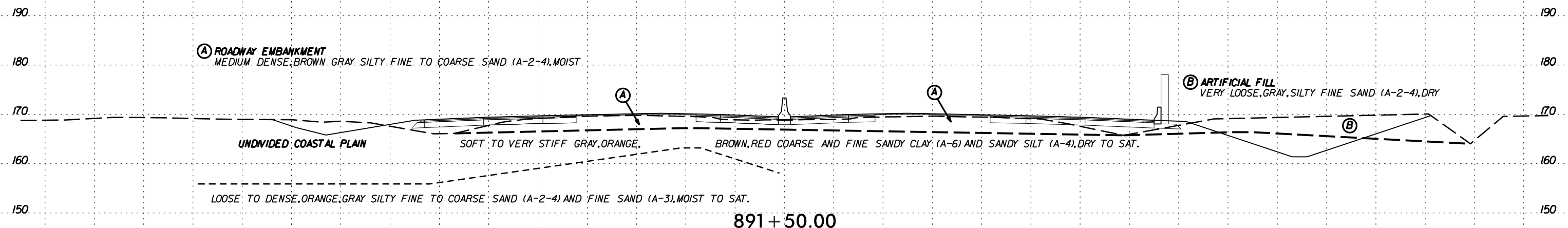
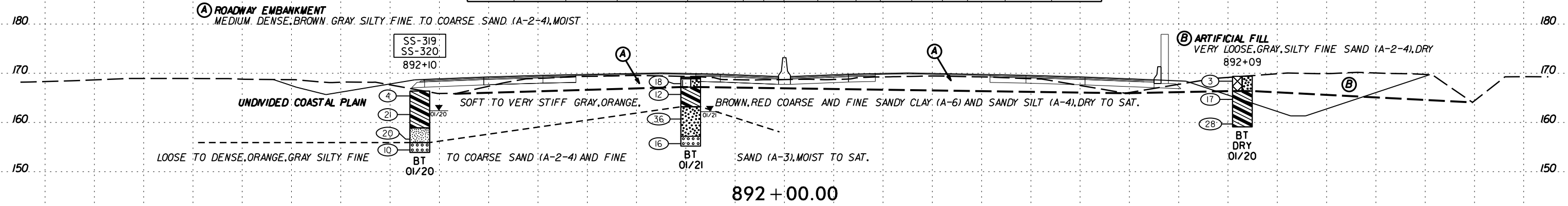
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DRAWN BY: [illegible]
CHECKED BY: [illegible]
SCALE: AS SHOWN
PROJECT: I-5987B
SHEET: 246

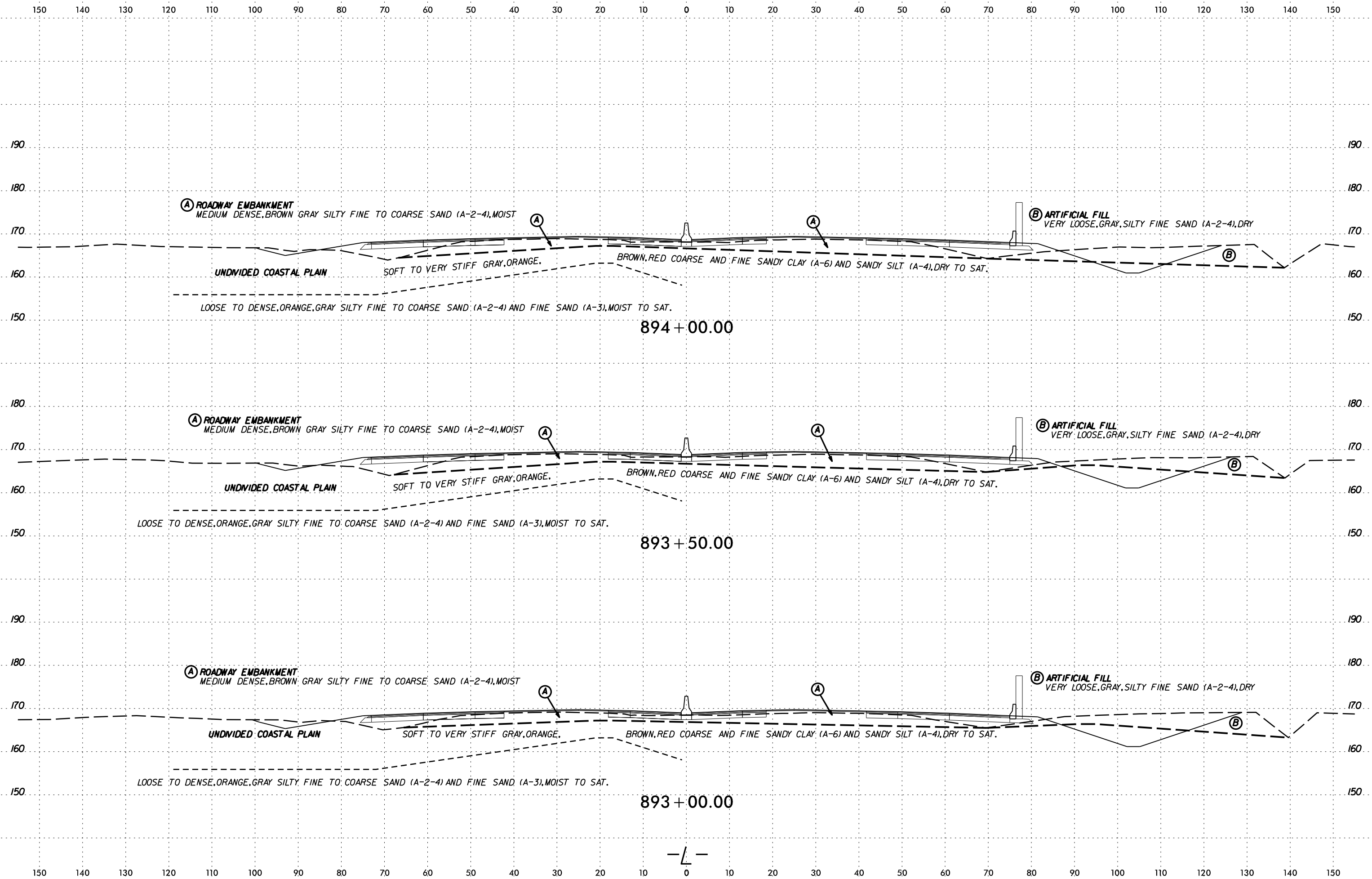


DATE: 6/23/16
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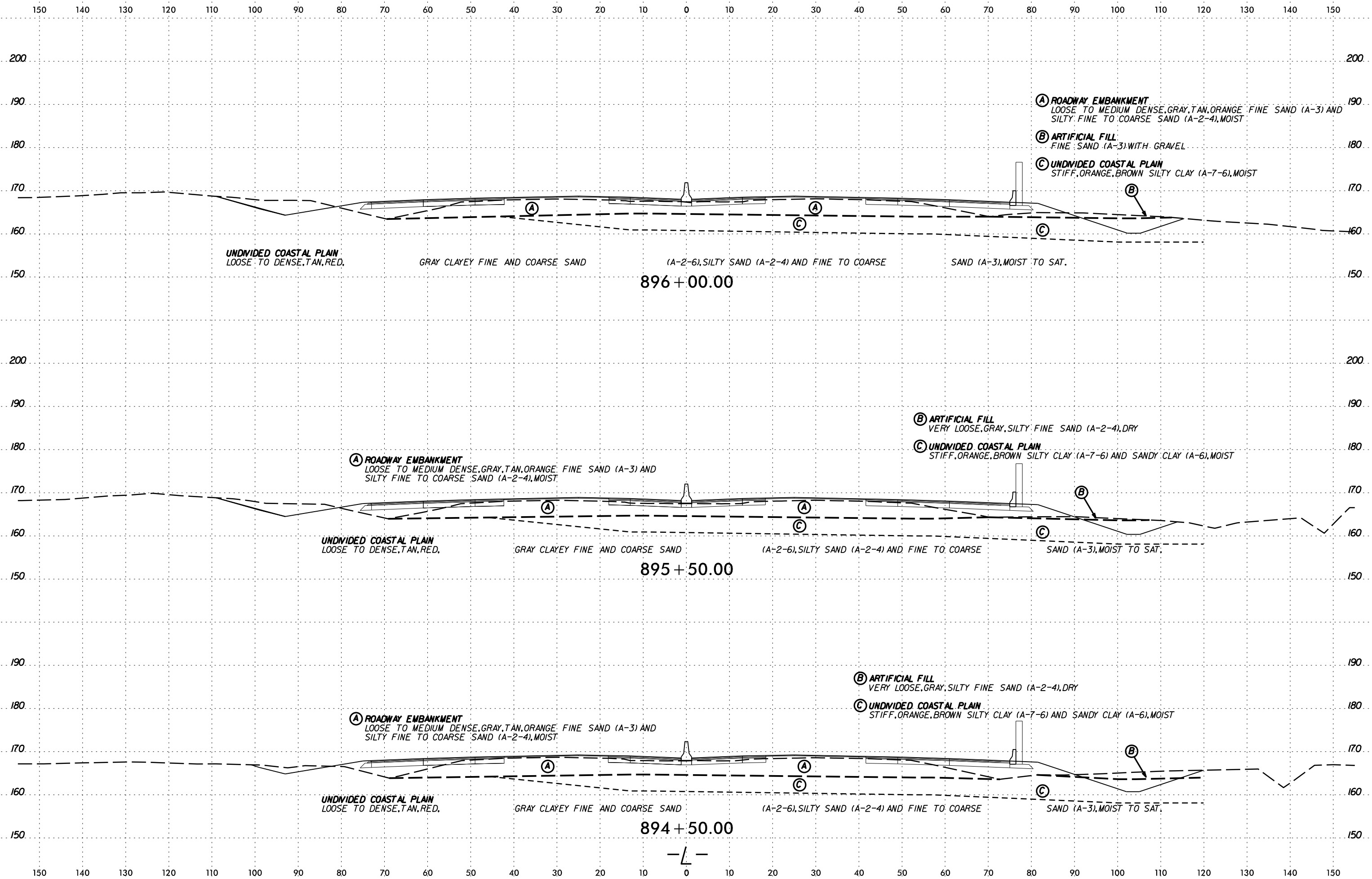


SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-319	74' LT	892+10	3.8-5.3	A-6(1)	34	16	37.8	29.6	8.8	23.7	99.8	79.0	36.0	-	ND
SS-320	74' LT	892+10	8.8-10.3	A-4(1)	26	8	8.2	58.0	16.2	17.7	99.9	95.0	43.0	-	ND

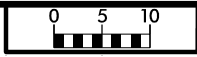




SYTIME
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BR
NAME

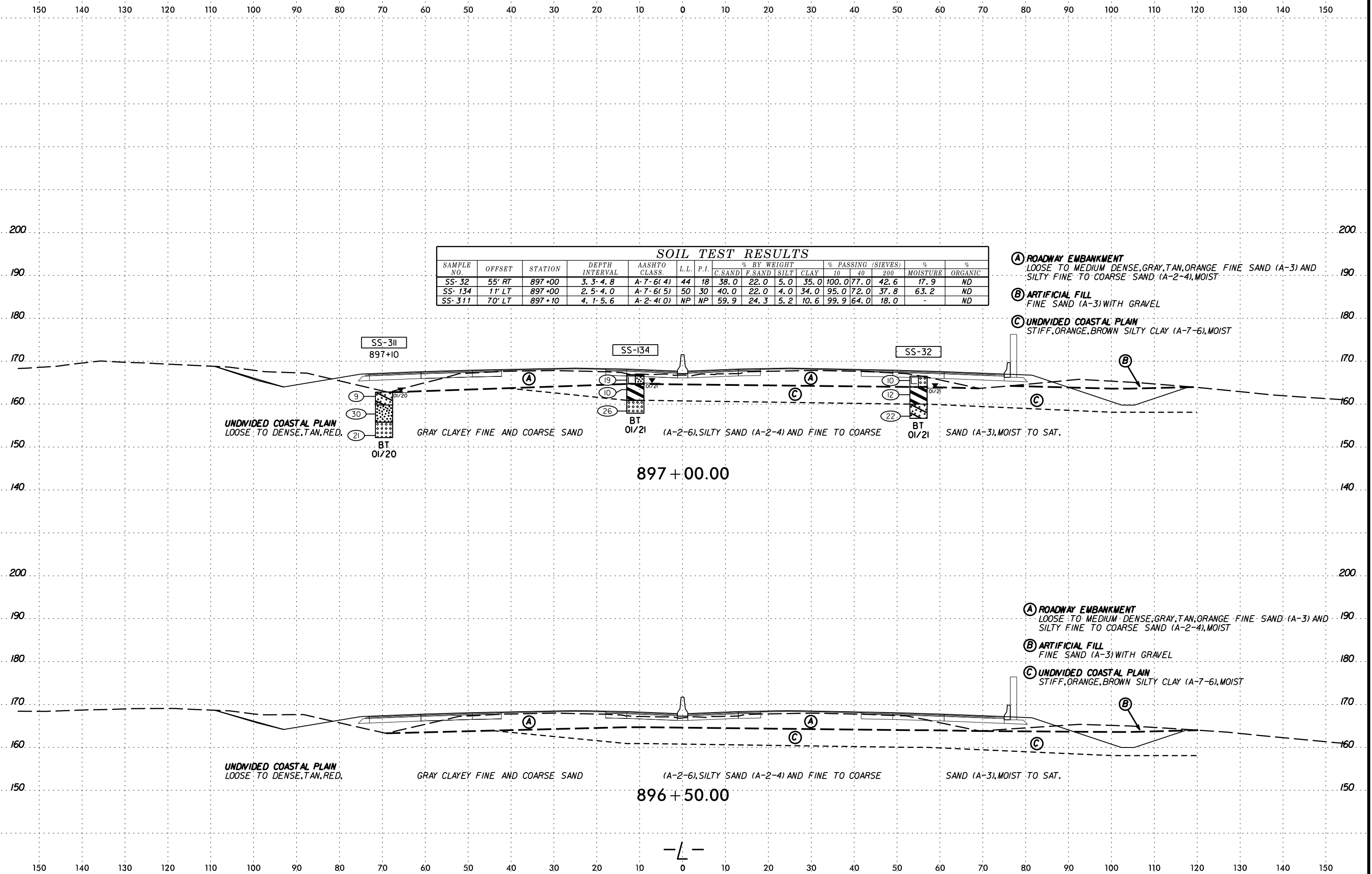


SECTION 5987B



SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-32	55' RT	897+00	3.3-4.8	A-7-6(4)	44	18	38.0	22.0	5.0	35.0	100.0	77.0	42.6	17.9	ND
SS-134	11' LT	897+00	2.5-4.0	A-7-6(5)	50	30	40.0	22.0	4.0	34.0	95.0	72.0	37.8	63.2	ND
SS-311	70' LT	897+10	4.1-5.6	A-2-4(0)	NP	NP	59.9	24.3	5.2	10.6	99.9	64.0	18.0	-	ND

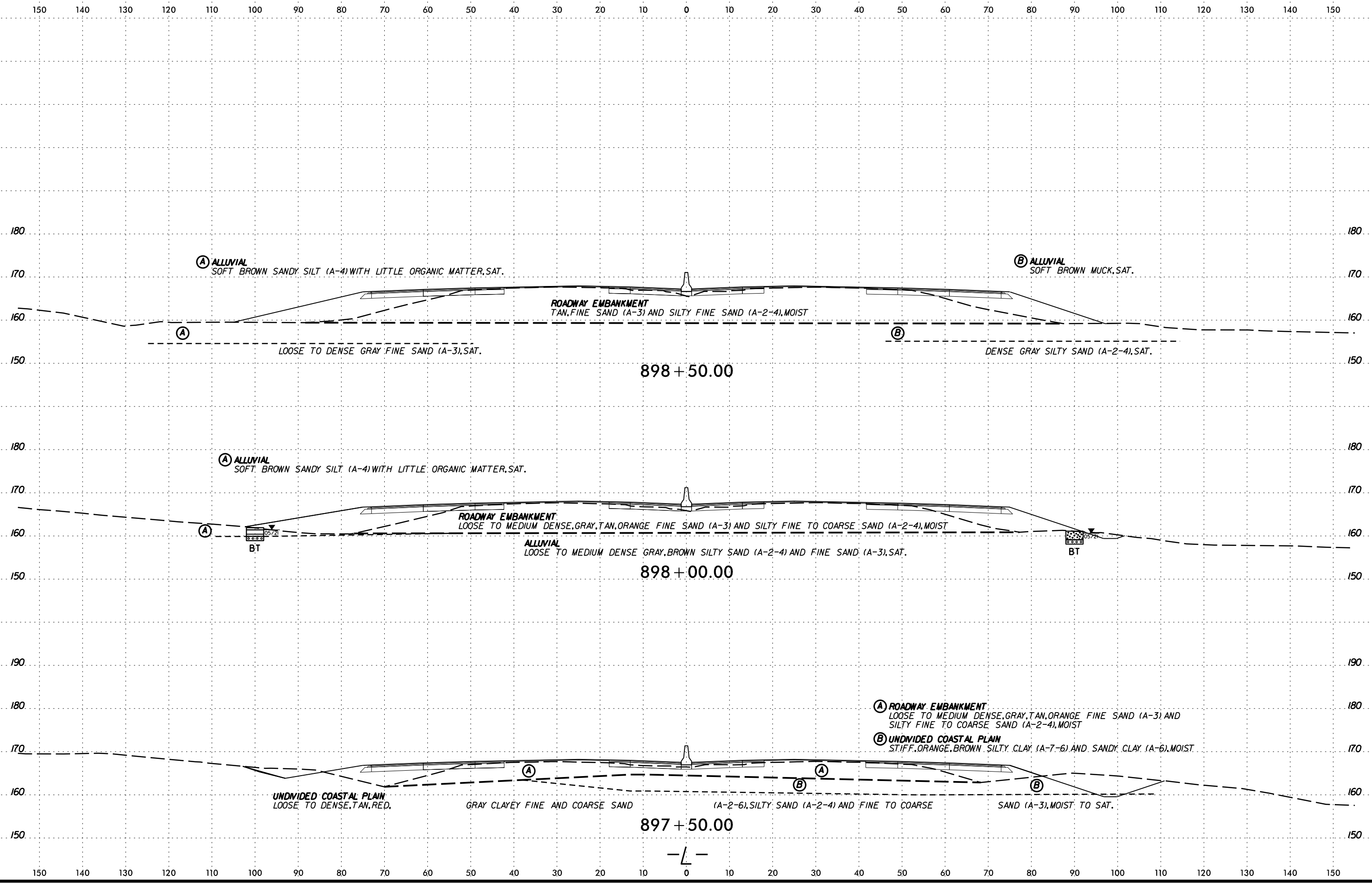
- (A) ROADWAY EMBANKMENT
LOOSE TO MEDIUM DENSE, GRAY, TAN, ORANGE FINE SAND (A-3) AND SILTY FINE TO COARSE SAND (A-2-4), MOIST
- (B) ARTIFICIAL FILL
FINE SAND (A-3) WITH GRAVEL
- (C) UNDIVIDED COASTAL PLAIN
STIFF, ORANGE, BROWN SILTY CLAY (A-7-6), MOIST



6/23/16

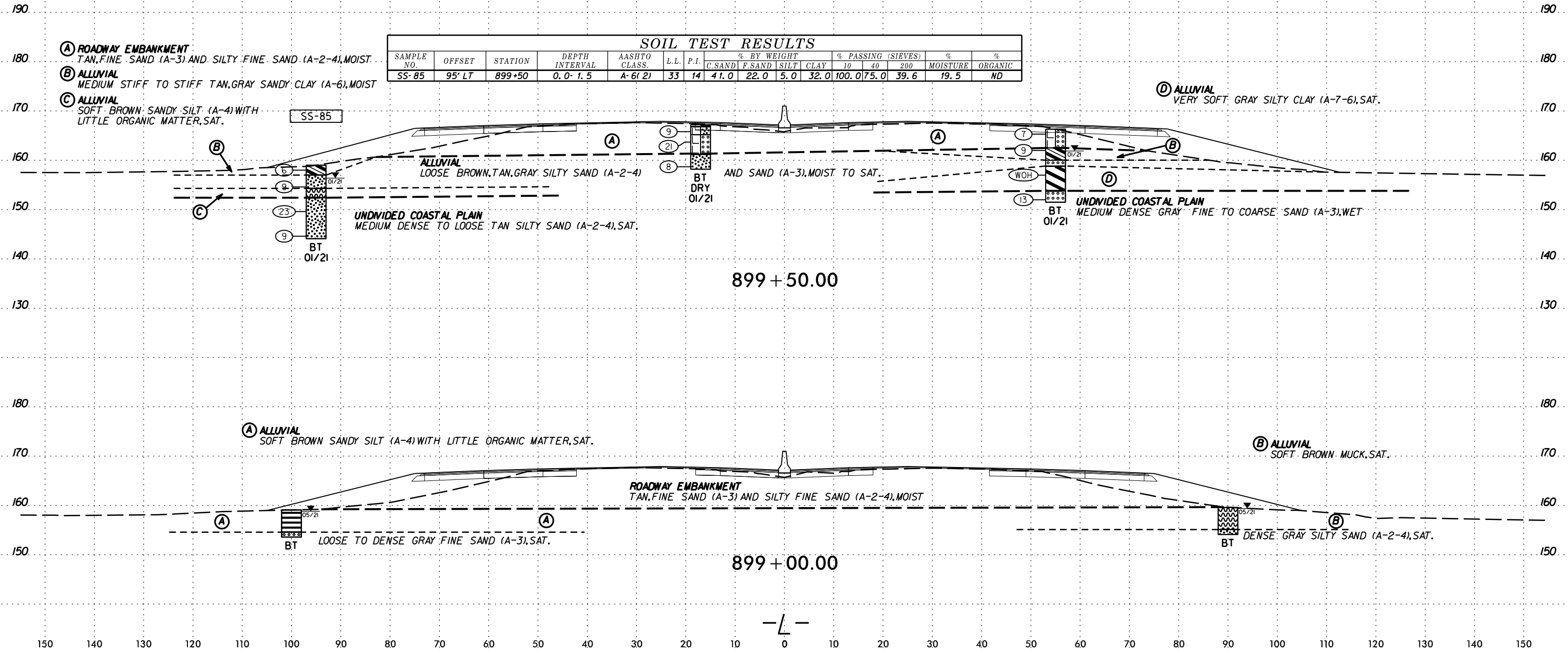
-L-

6/23/16

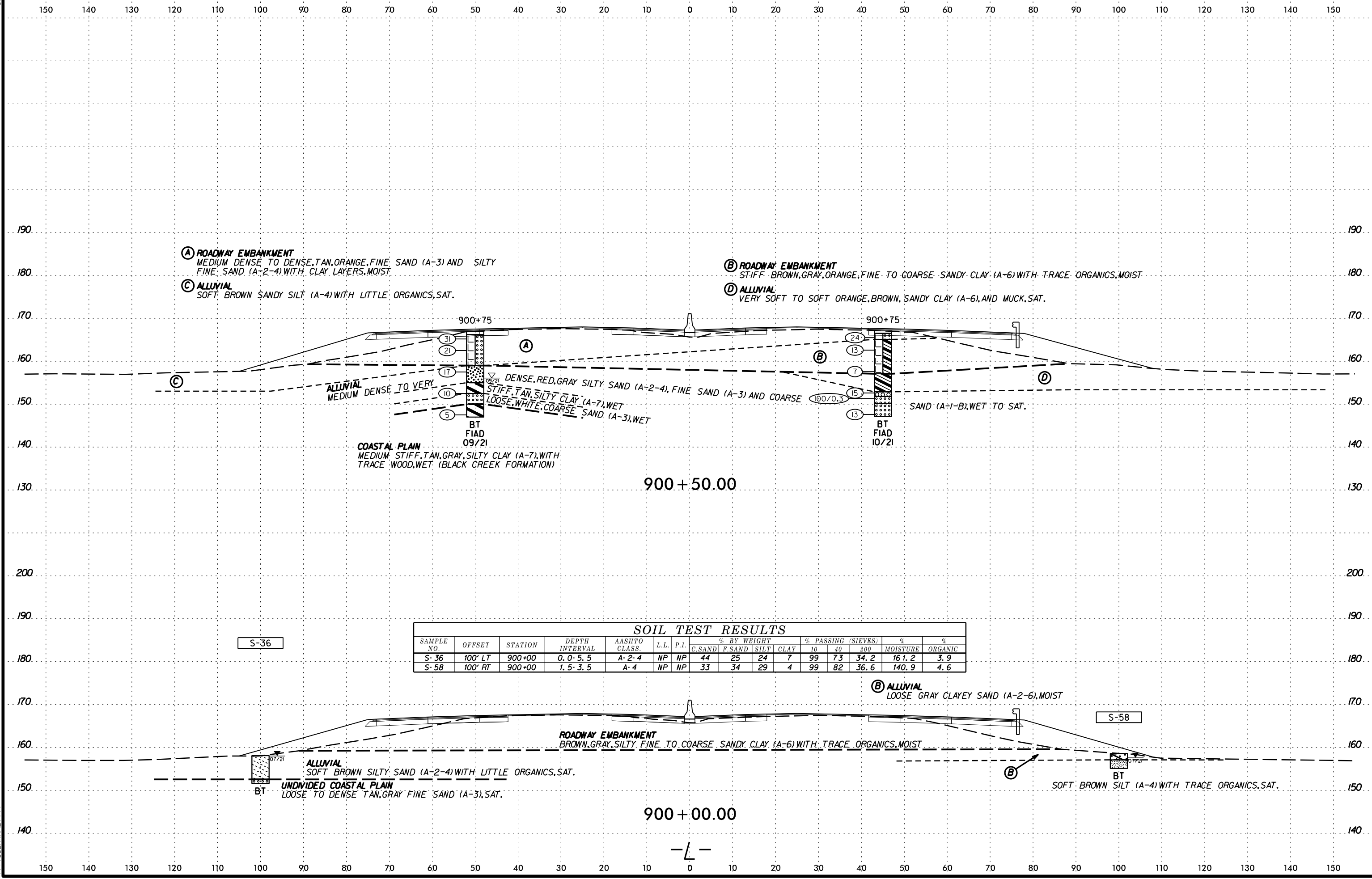


SECTION CUTS FROM SURVEY DATA

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



DATE: 6/23/16
DRAWN BY: J. BRYAN
CHECKED BY: J. BRYAN
SCALE: AS SHOWN



SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
S-36	100' LT	900+00	0.0-5.5	A-2-4	NP	NP	44	25	24	7	99	73	34.2	161.2	3.9
S-58	100' RT	900+00	1.5-3.5	A-4	NP	NP	33	34	29	4	99	82	36.6	140.9	4.6

S-36

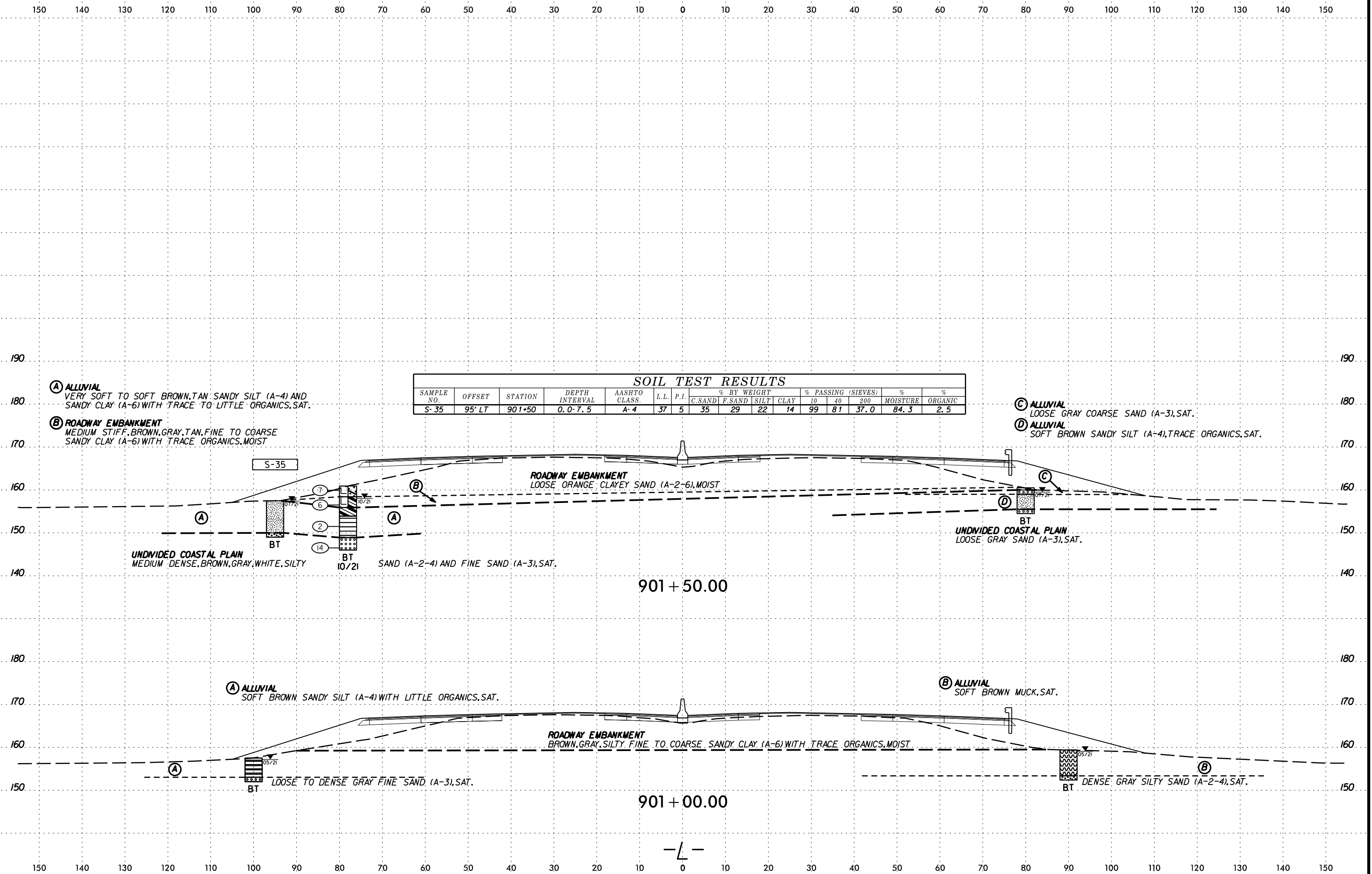
S-58

900+00.00

900+50.00

SCALE: 1"=20' (VERTICAL) 1"=100' (HORIZONTAL)

6/23/16



SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
S-35	95' LT	901+50	0.0-7.5	A-4	37	5	35	29	22	14	99	81	37.0	84.3	2.5

(A) ALLUVIAL
 VERY SOFT TO SOFT BROWN, TAN SANDY SILT (A-4) AND SANDY CLAY (A-6) WITH TRACE TO LITTLE ORGANICS, SAT.

(B) ROADWAY EMBANKMENT
 MEDIUM STIFF, BROWN, GRAY, TAN, FINE TO COARSE SANDY CLAY (A-6) WITH TRACE ORGANICS, MOIST

(C) ALLUVIAL
 LOOSE GRAY COARSE SAND (A-3), SAT.

(D) ALLUVIAL
 SOFT BROWN SANDY SILT (A-4), TRACE ORGANICS, SAT.

ROADWAY EMBANKMENT
 LOOSE ORANGE CLAYEY SAND (A-2-6), MOIST

UNDIVIDED COASTAL PLAIN
 MEDIUM DENSE, BROWN, GRAY, WHITE, SILTY

UNDIVIDED COASTAL PLAIN
 LOOSE GRAY SAND (A-3), SAT.

(A) ALLUVIAL
 SOFT BROWN SANDY SILT (A-4) WITH LITTLE ORGANICS, SAT.

(B) ALLUVIAL
 SOFT BROWN MUCK, SAT.

ROADWAY EMBANKMENT
 BROWN, GRAY, SILTY FINE TO COARSE SANDY CLAY (A-6) WITH TRACE ORGANICS, MOIST

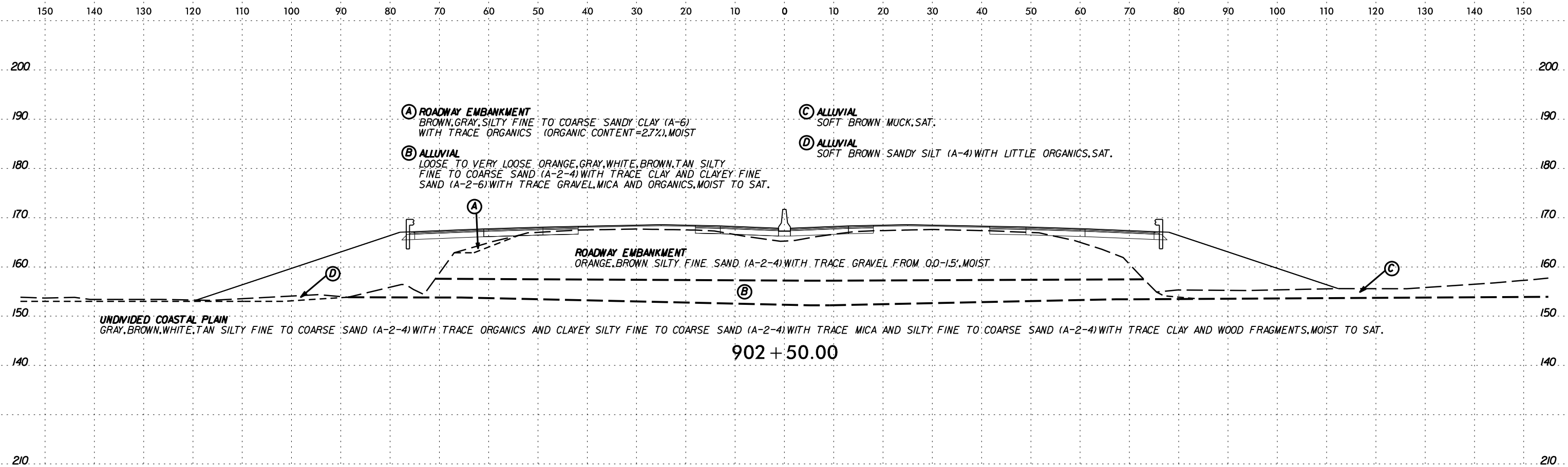
UNDIVIDED COASTAL PLAIN
 LOOSE TO DENSE GRAY FINE SAND (A-3), SAT.

UNDIVIDED COASTAL PLAIN
 DENSE GRAY SILTY SAND (A-2-4), SAT.

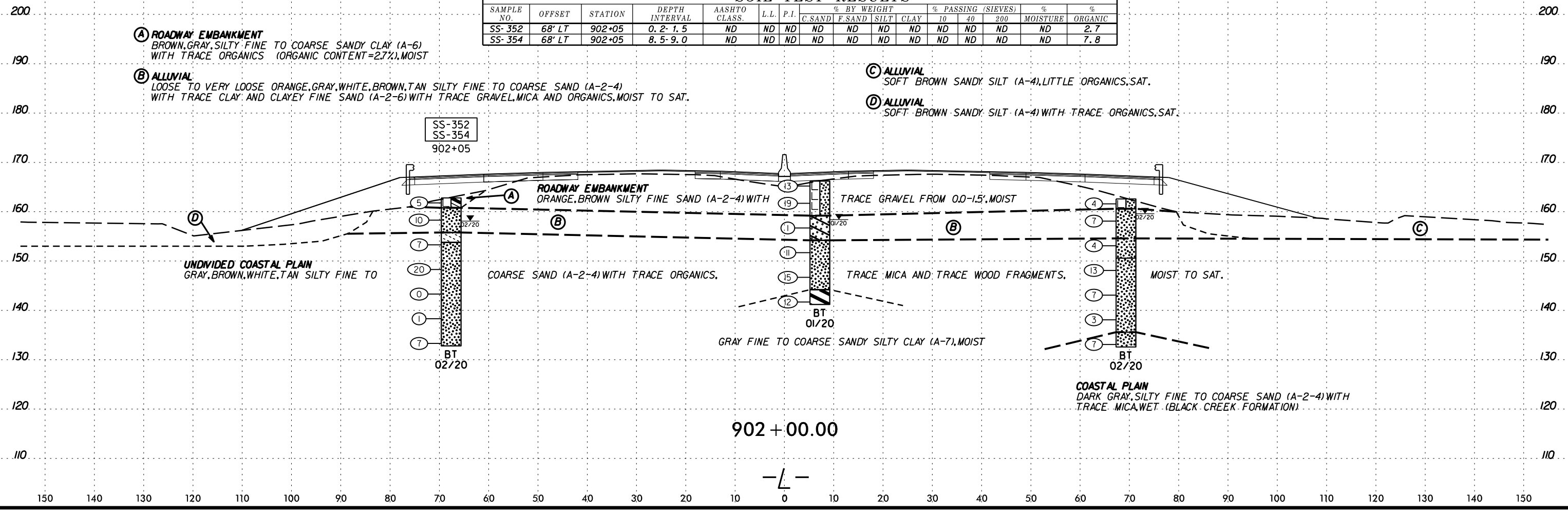
901 + 50.00

901 + 00.00

-L-



SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% ORGANIC	
							C. SAND	F. SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC
SS-352	68' LT	902+05	0.2- 1.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7
SS-354	68' LT	902+05	8.5-9.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.8



6/23/16

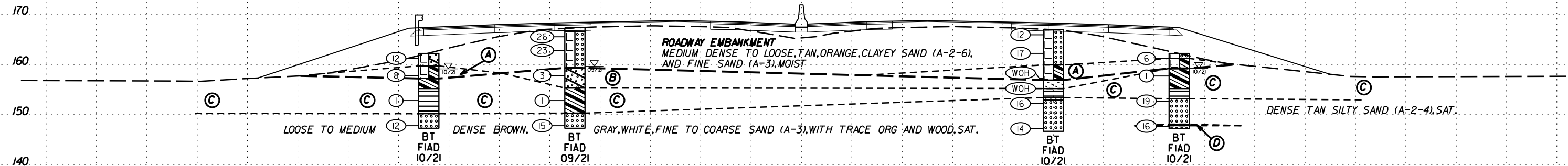
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

A ROADWAY EMBANKMENT
VERY SOFT TO STIFF, BROWN, GRAY, TAN, ORANGE, FINE TO COARSE SANDY CLAY (A-6) WITH TRACE ORGANICS, MOIST TO SAT.

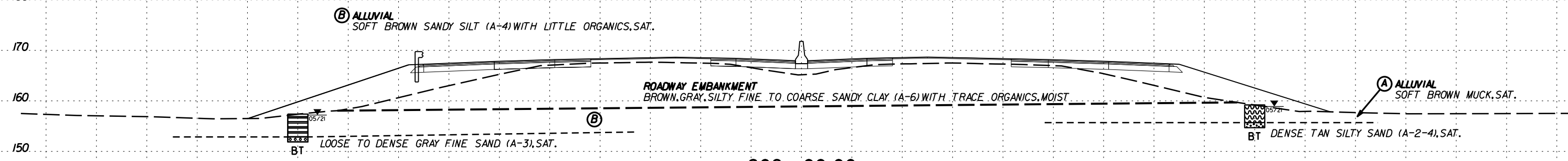
B ALLUVIAL
VERY LOOSE BROWN, GRAY CLAYEY SAND (A-2-6) AND SILTY SAND (A-2-4) WITH TRACE ORG. AND WOOD, SAT.

C ALLUVIAL
VERY SOFT TO SOFT BLACK, BROWN, ORANGE, GRAY, SANDY CLAY (A-6), SILTY CLAY (A-7), AND SANDY SILT (A-4) WITH LITTLE TO MODERATE ORGANICS AND WOOD, WET TO SAT.

D ALLUVIAL
STIFF BROWN CLAY (A-7) WITH MODERATE ORGANICS, SAT.



190 180 170 160 150 140 130

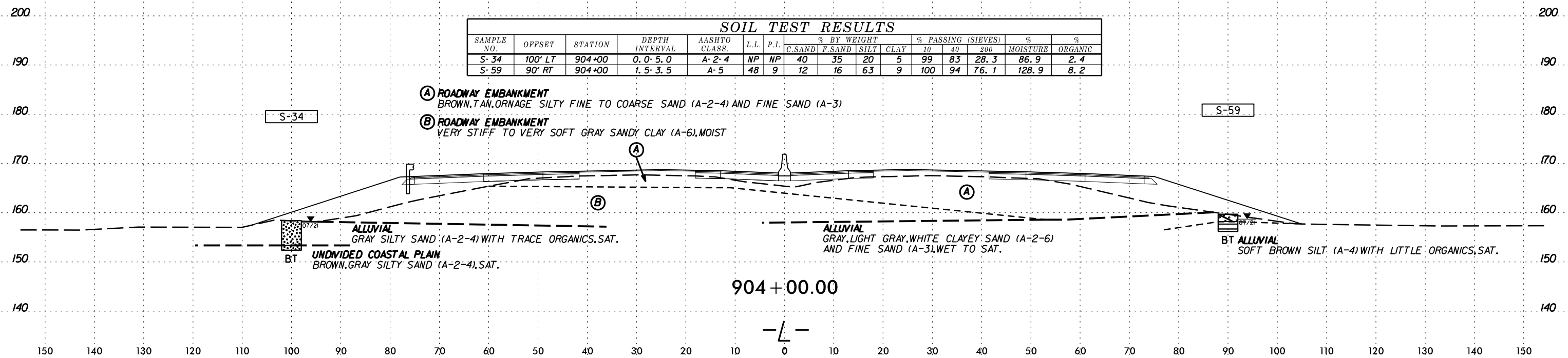
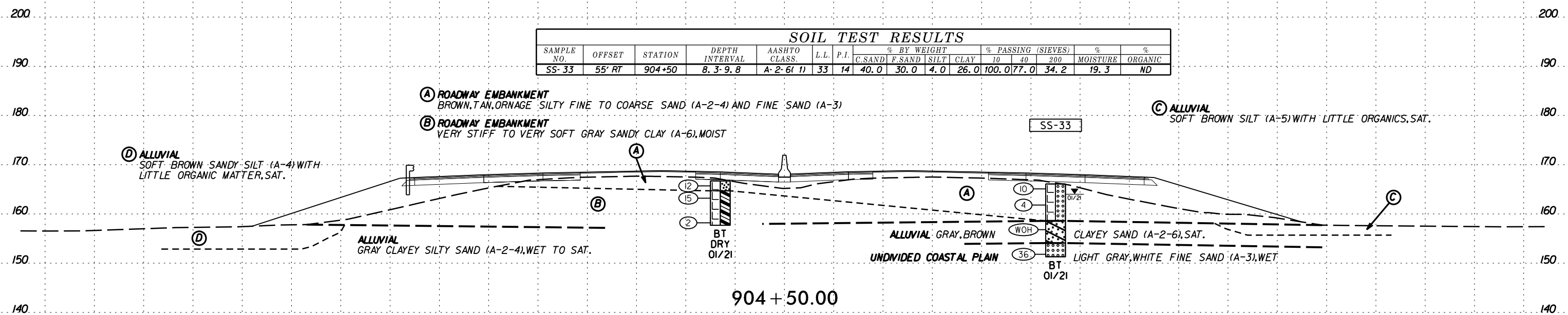


180 170 160 150

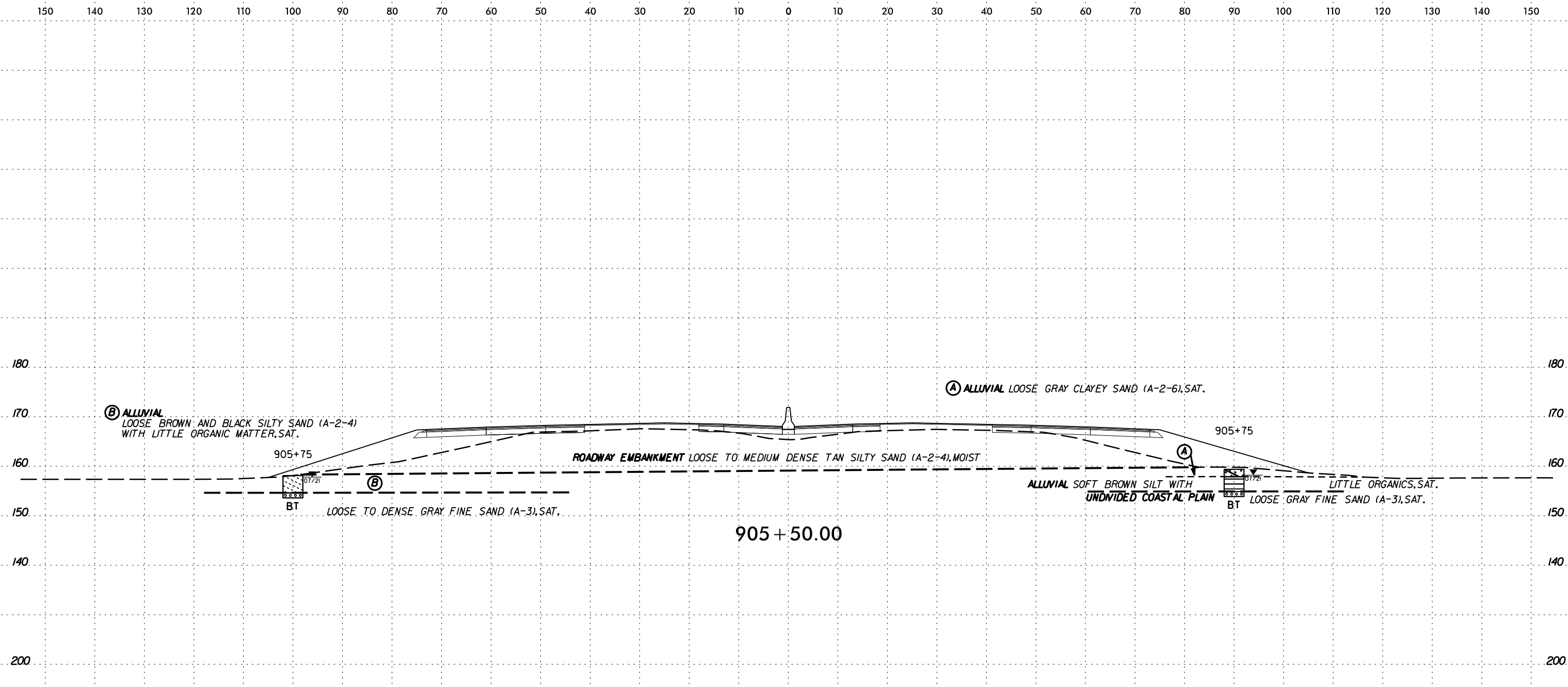
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DATE PLOTTED: 6/23/16 11:58 AM

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

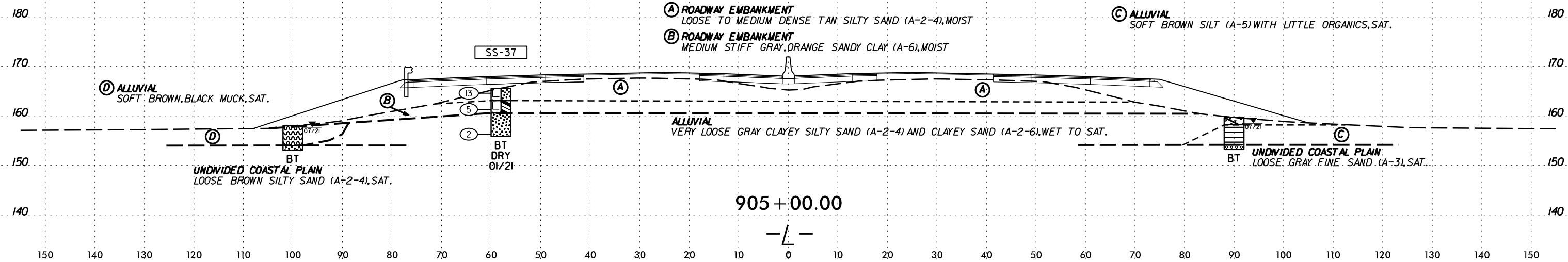


150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



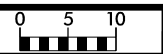
SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-37	58' LT	905+00	8.3-9.8	A-2-4(0)	26	9	39.0	31.0	10.0	20.0	100.0	80.0	34.4	16.7	ND



SCHEMATIC
 SECTION
 CONSTRUCTION
 DRAWING
 FOR
 THE
 PROJECT
 IDENTIFIED
 BY
 SHEET
 NO.

6/23/16

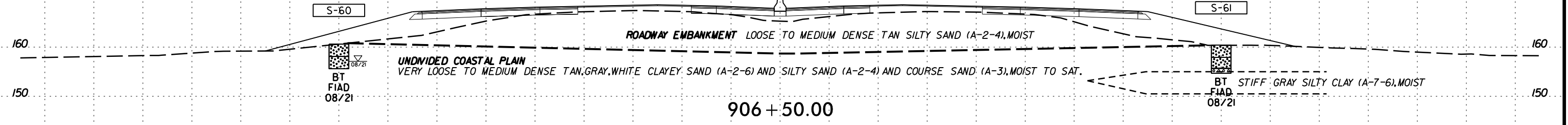


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200 190 180 170 160 150 190 180 170 160 150

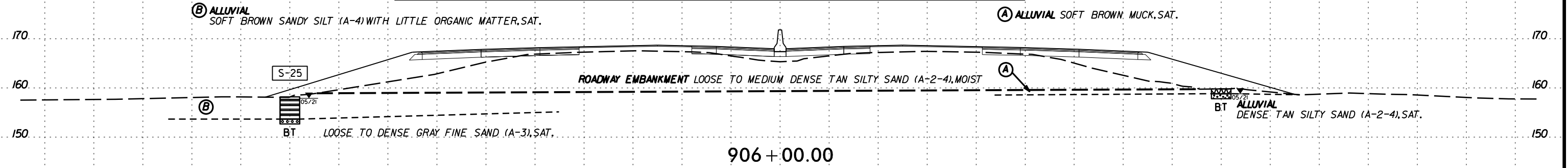
SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE ORGANIC	
							C.SAND	F.SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC
S-60	90' LT	906+50	2.5-5.0	A-2-4	NP	NP	41	38	16	5	99	78	24.3	29.4	4.1
S-61	90' RT	906+50	2.5-4.7	A-4	NP	NP	36	33	25	6	100	82	35.5	100.0	18.3

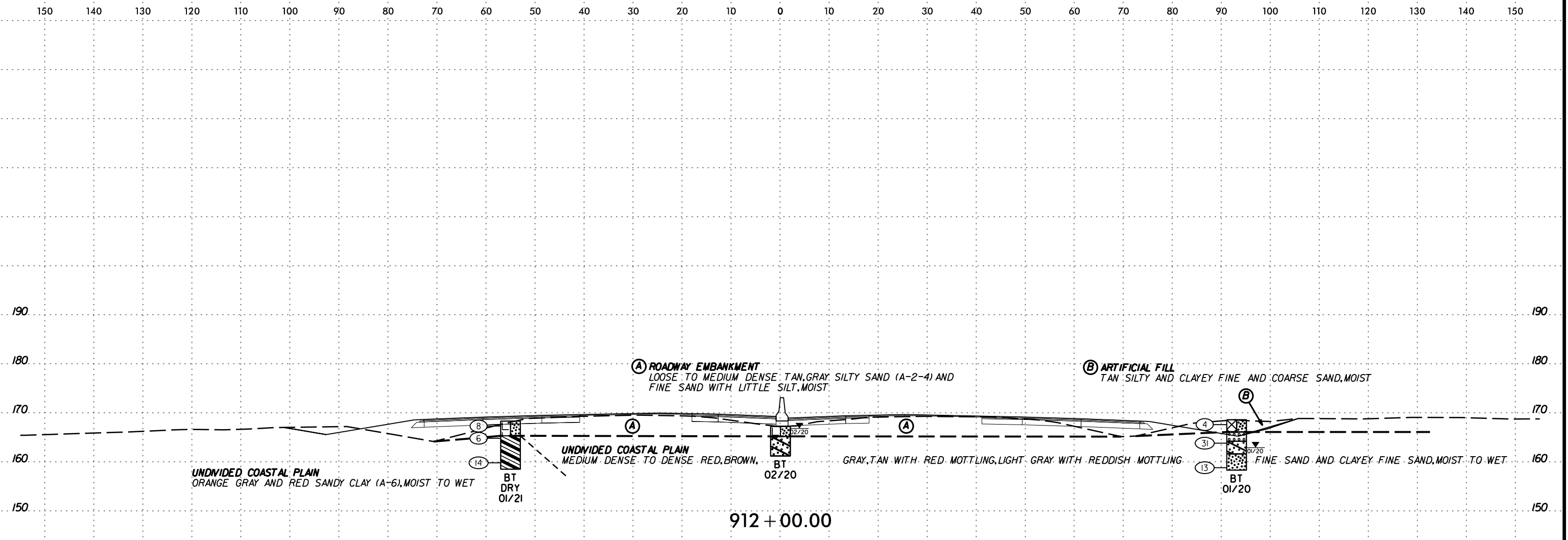


SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE ORGANIC	
							C.SAND	F.SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC
S-25	100' LT	906+00	0.0-4.5	-	-	-	-	-	-	-	-	-	44	6.5	



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



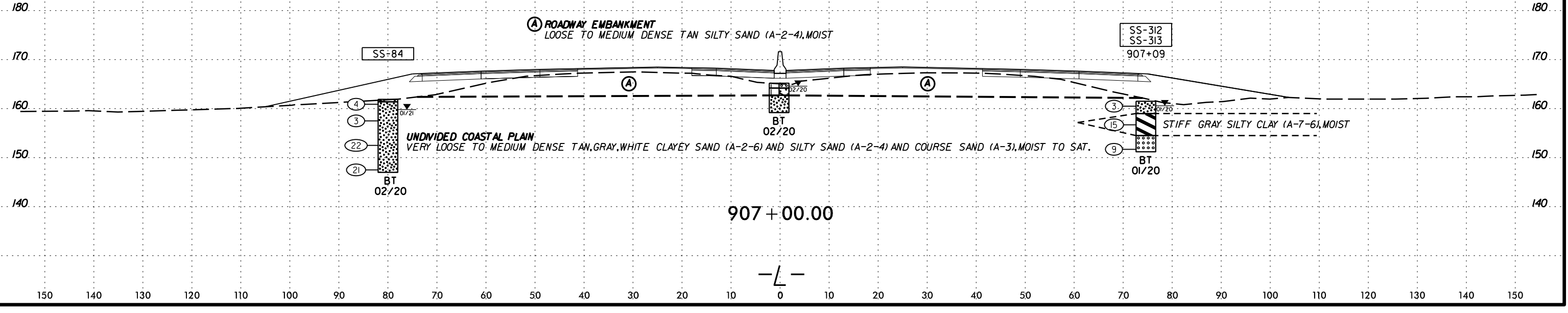
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

190 180 170 160 150 200

912 + 00.00

SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-84	80' LT	907+00	3.4-4.9	A-2-4(O)	NP	NP	29.0	45.0	10.0	16.0	99.0	85.0	30.8	17.2	ND
SS-312	75' RT	907+09	3.8-5.3	A-7-6(13)	49	30	14.7	34.7	11.6	39.0	99.9	90.0	55.0	33.0	ND
SS-313	75' RT	907+09	8.8-10.3	A-3(O)	NP	NP	75.9	20.6	1.2	2.3	99.7	63.0	4.0	-	ND



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

190 180 170 160 150 140

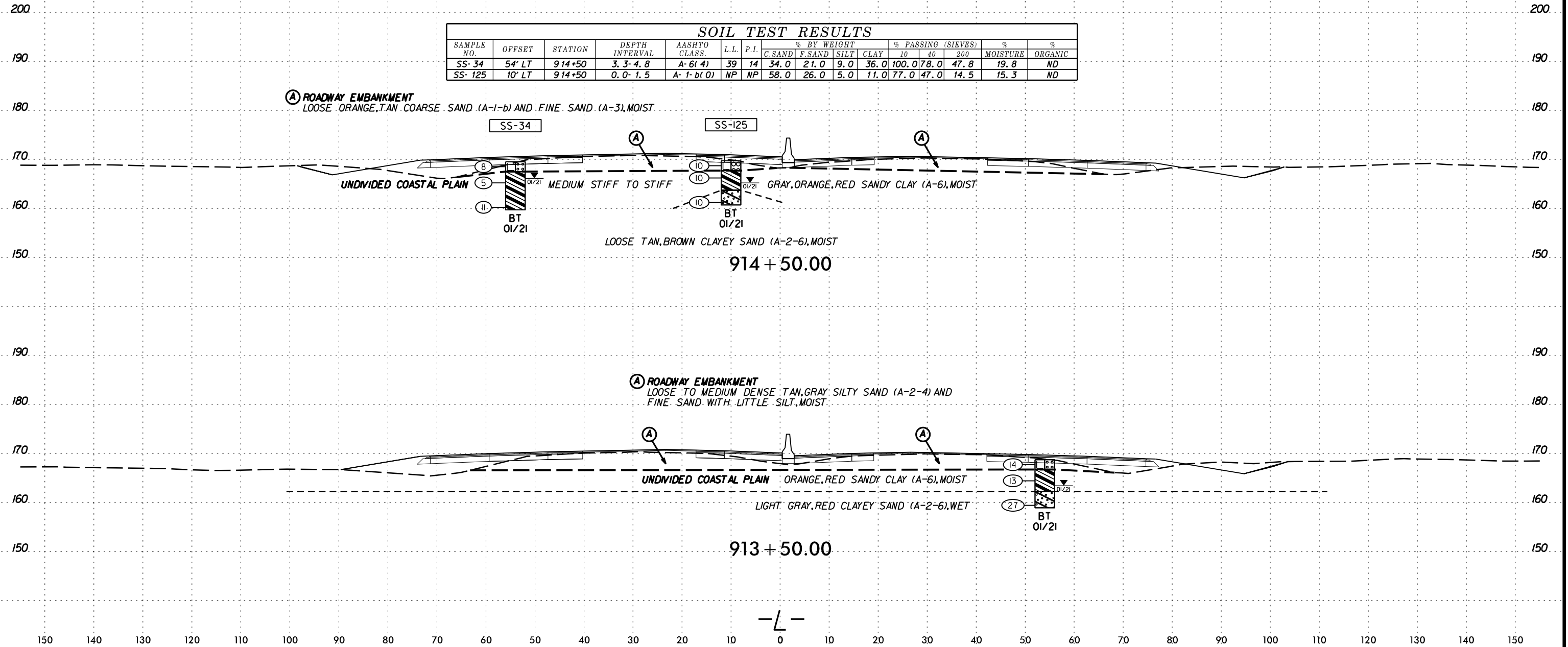
907 + 00.00

-L-

CUSTOMER: CONNOR J. BARRANE
 DATE: 6/23/16

6/23/16

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-34	54' LT	914+50	3.3-4.8	A-6(4)	39	14	34.0	21.0	9.0	36.0	100.0	78.0	47.8	19.8	ND
SS-125	10' LT	914+50	0.0-1.5	A-1-b(0)	NP	NP	58.0	26.0	5.0	11.0	77.0	47.0	14.5	15.3	ND

(A) ROADWAY EMBANKMENT
 LOOSE ORANGE, TAN COARSE SAND (A-1-b) AND FINE SAND (A-3), MOIST

UNDIVIDED COASTAL PLAIN

MEDIUM STIFF TO STIFF

GRAY, ORANGE, RED SANDY CLAY (A-6), MOIST

LOOSE TAN, BROWN CLAYEY SAND (A-2-6), MOIST

914 + 50.00

(A) ROADWAY EMBANKMENT
 LOOSE TO MEDIUM DENSE TAN, GRAY SILTY SAND (A-2-4) AND FINE SAND WITH LITTLE SILT, MOIST

UNDIVIDED COASTAL PLAIN

ORANGE, RED SANDY CLAY (A-6), MOIST

LIGHT GRAY, RED CLAYEY SAND (A-2-6), WET

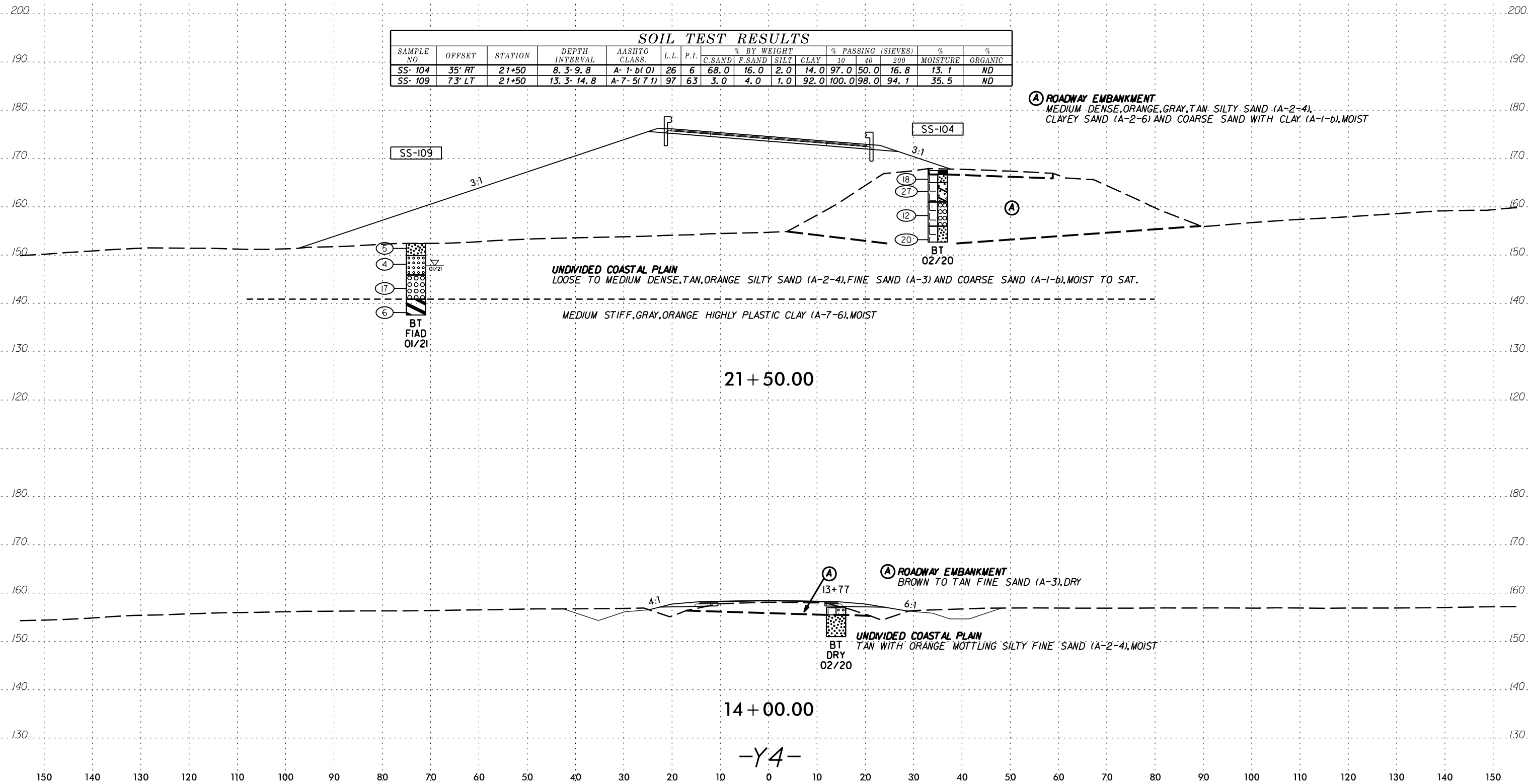
913 + 50.00

-L-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-104	35' RT	21+50	8.3-9.8	A-1-b(0)	26	6	68.0	16.0	2.0	14.0	97.0	50.0	16.8	13.1	ND
SS-109	73' LT	21+50	13.3-14.8	A-7-5(71)	97	63	3.0	4.0	1.0	92.0	100.0	98.0	94.1	35.5	ND



(A) ROADWAY EMBANKMENT
MEDIUM-DENSE, ORANGE, GRAY, TAN SILTY SAND (A-2-4),
CLAYEY SAND (A-2-6) AND COARSE SAND WITH CLAY (A-1-b), MOIST

UNDIVIDED COASTAL PLAIN
LOOSE TO MEDIUM DENSE, TAN, ORANGE SILTY SAND (A-2-4), FINE SAND (A-3) AND COARSE SAND (A-1-b), MOIST TO SAT.
MEDIUM STIFF, GRAY, ORANGE HIGHLY PLASTIC CLAY (A-7-6), MOIST

(A) ROADWAY EMBANKMENT
BROWN TO TAN FINE SAND (A-3), DRY

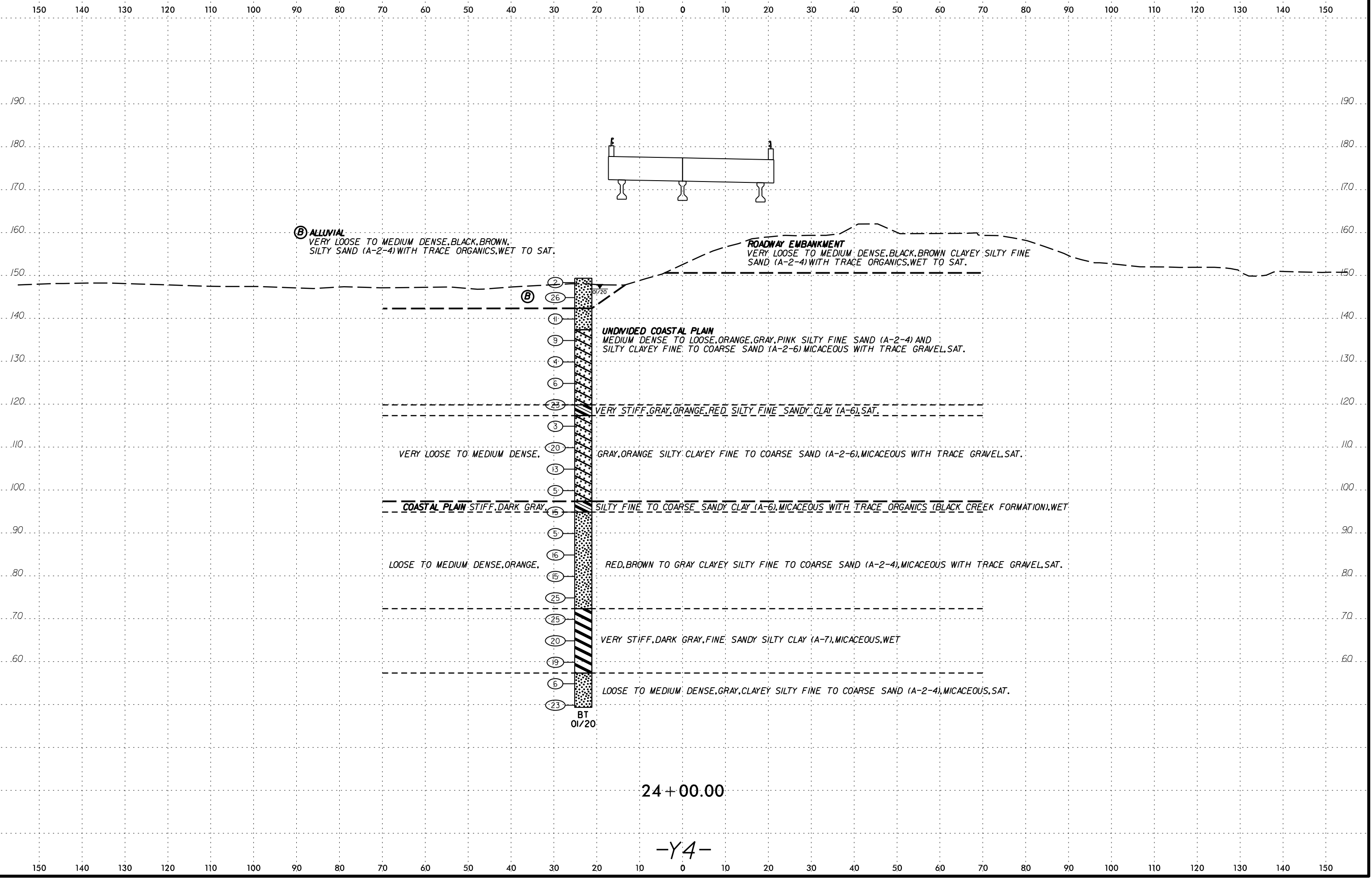
UNDIVIDED COASTAL PLAIN
TAN WITH ORANGE MOTTLING SILTY FINE SAND (A-2-4), MOIST

21 + 50.00

14 + 00.00

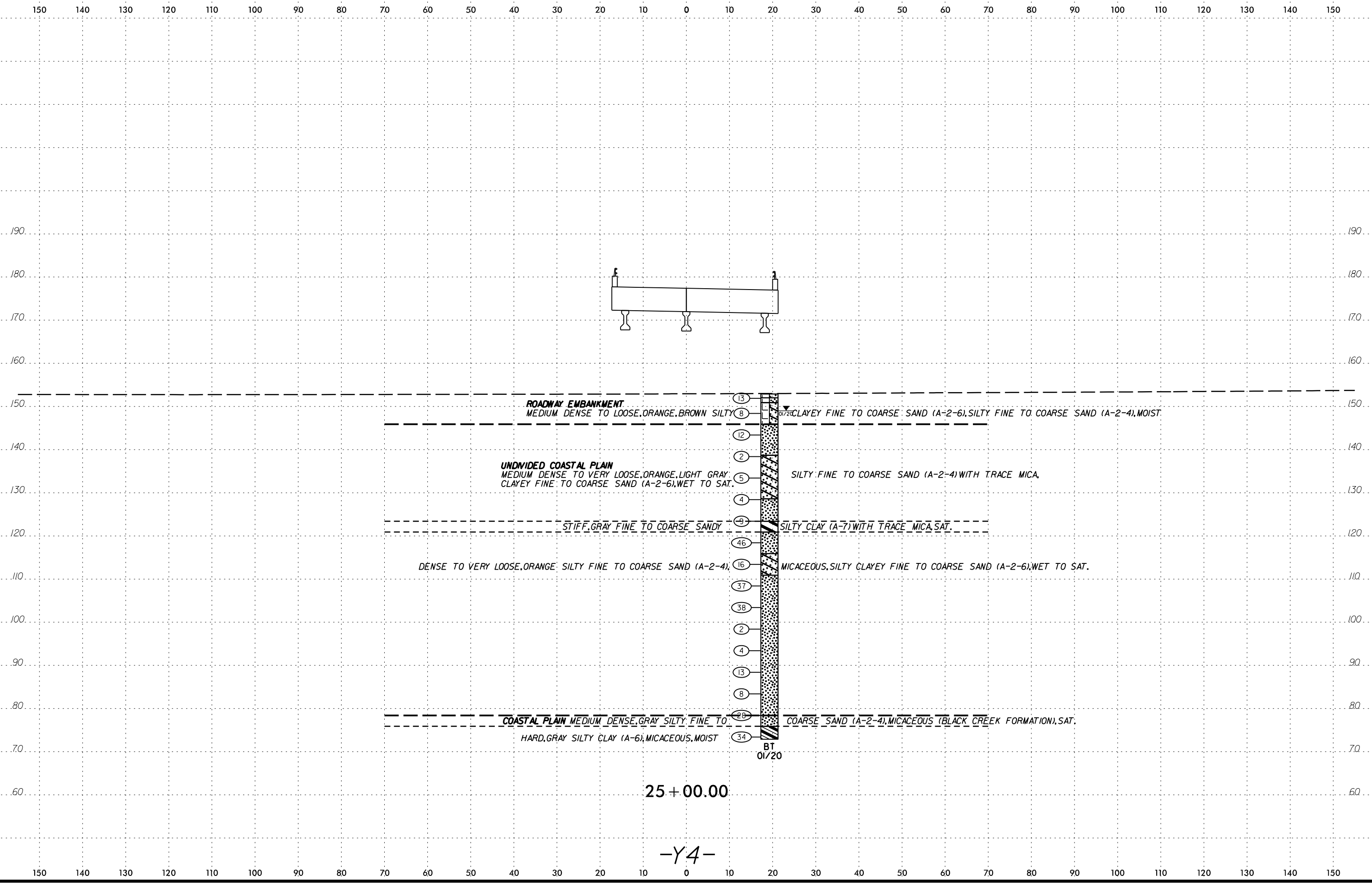
-Y4-

SYTIME
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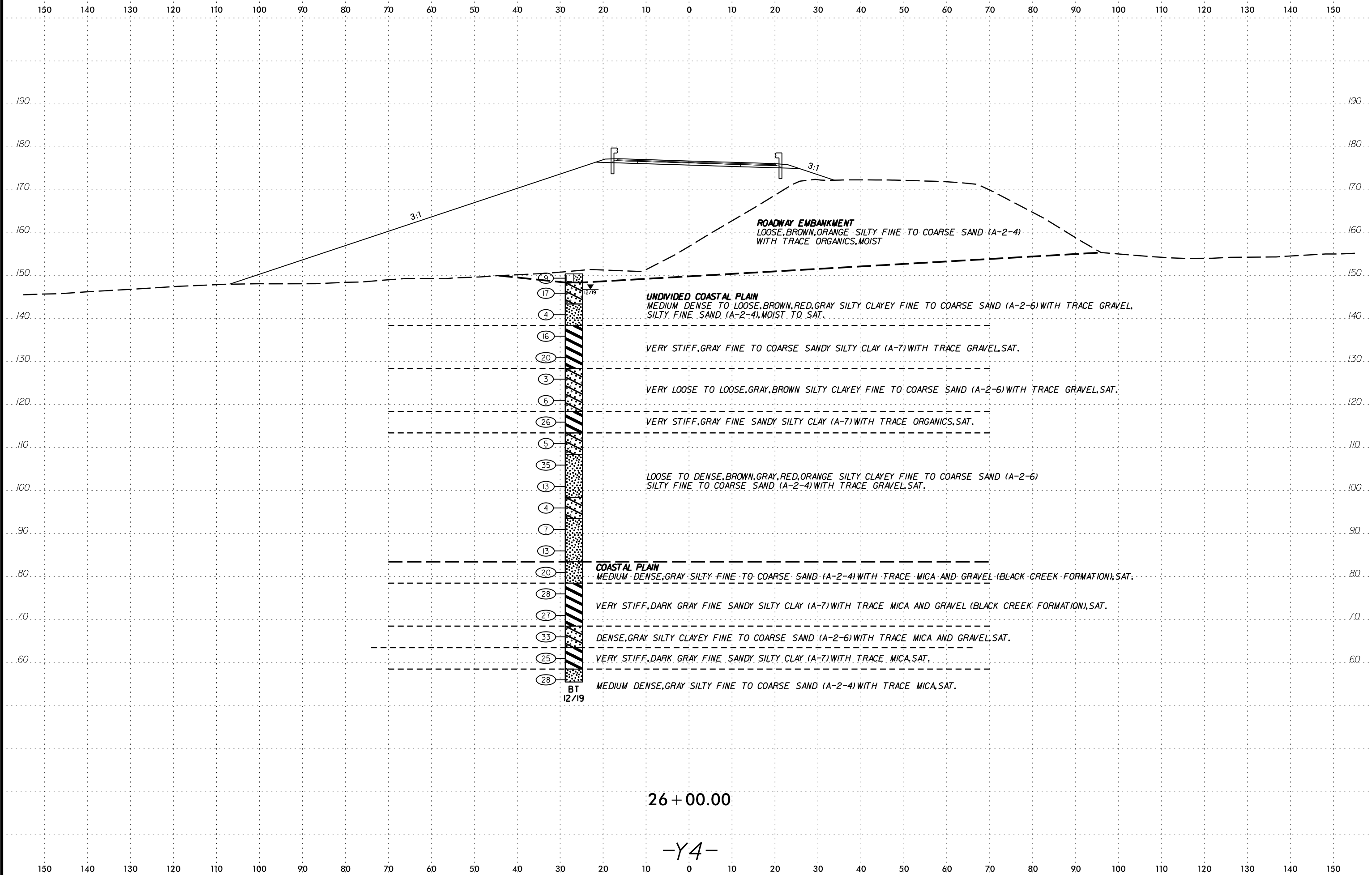
SYNTHETIC CONCRETE CURB

6/23/16



SYTIME
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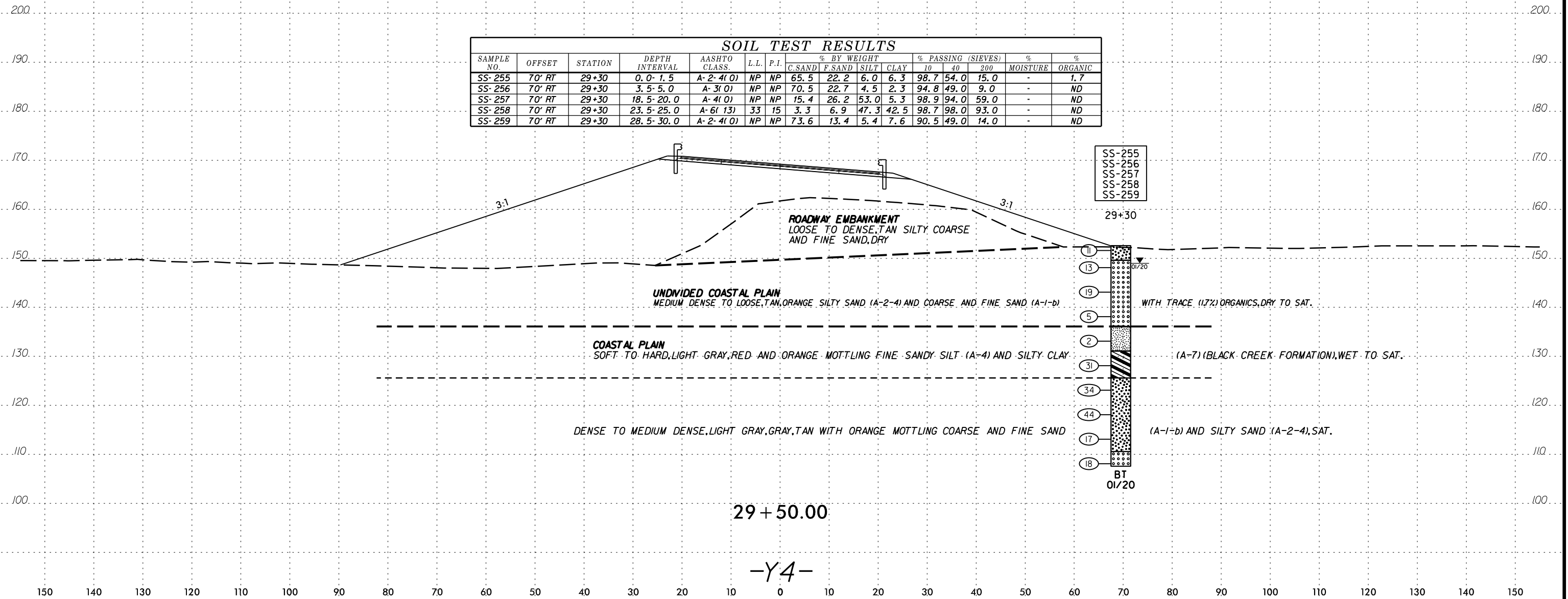
6/23/16



DATE: 6/23/16
 DRAWN BY: [illegible]
 CHECKED BY: [illegible]
 APPROVED BY: [illegible]

6/23/16

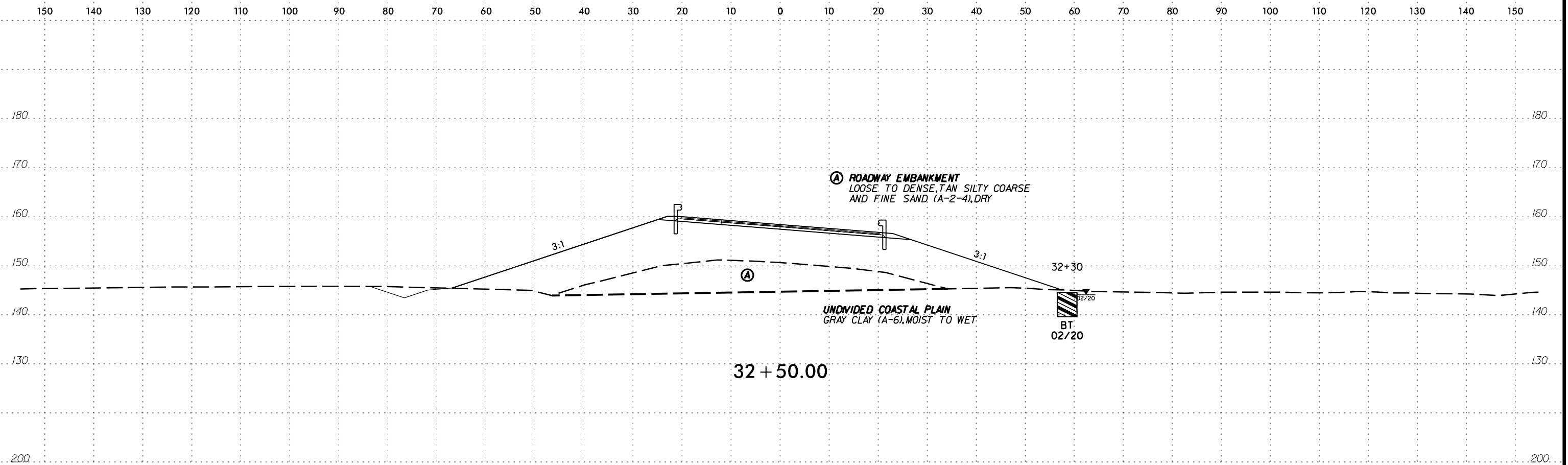
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SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-255	70' RT	29+30	0.0-1.5	A-2-4(0)	NP	NP	65.5	22.2	6.0	6.3	98.7	54.0	15.0	-	1.7
SS-256	70' RT	29+30	3.5-5.0	A-3(0)	NP	NP	70.5	22.7	4.5	2.3	94.8	49.0	9.0	-	ND
SS-257	70' RT	29+30	18.5-20.0	A-4(0)	NP	NP	15.4	26.2	53.0	5.3	98.9	94.0	59.0	-	ND
SS-258	70' RT	29+30	23.5-25.0	A-6(13)	33	15	3.3	6.9	47.3	42.5	98.7	98.0	93.0	-	ND
SS-259	70' RT	29+30	28.5-30.0	A-2-4(0)	NP	NP	73.6	13.4	5.4	7.6	90.5	49.0	14.0	-	ND

SS-255
SS-256
SS-257
SS-258
SS-259

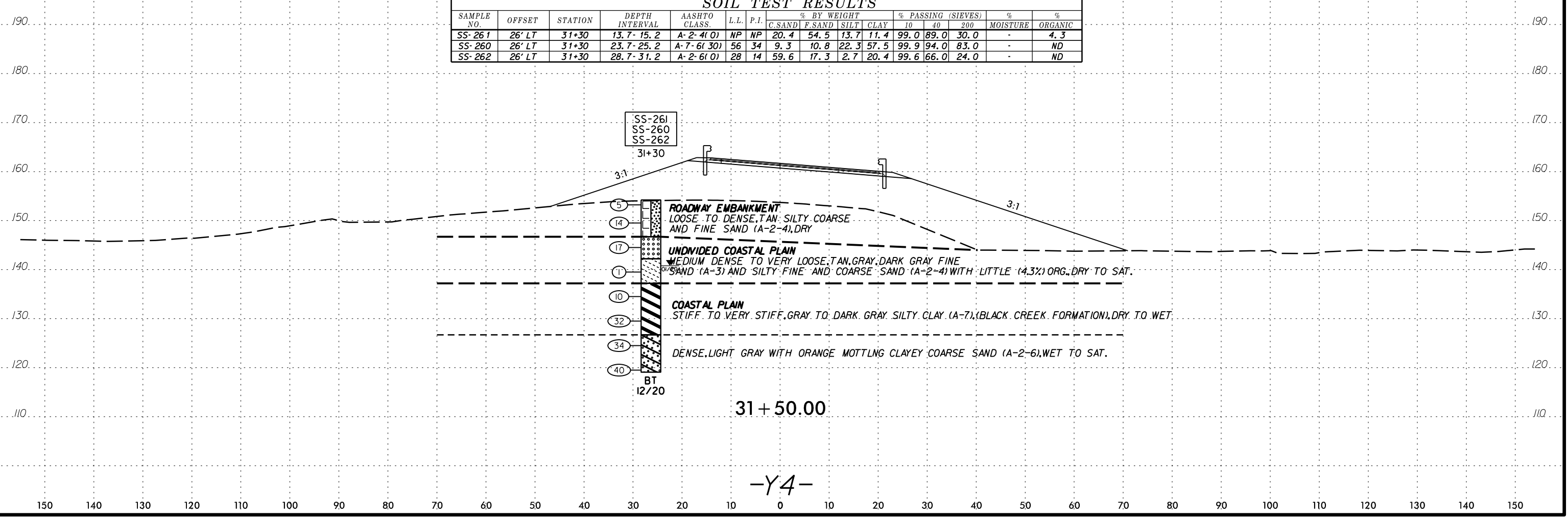
29 + 50.00
-Y4-



32 + 50.00

SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-261	26' LT	31+30	13.7-15.2	A-2-4(0)	NP	NP	20.4	54.5	13.7	11.4	99.0	89.0	30.0	-	4.3
SS-260	26' LT	31+30	23.7-25.2	A-7-6(30)	56	34	9.3	10.8	22.3	57.5	99.9	94.0	83.0	-	ND
SS-262	26' LT	31+30	28.7-31.2	A-2-6(0)	28	14	59.6	17.3	2.7	20.4	99.6	66.0	24.0	-	ND



31 + 50.00

-Y4-

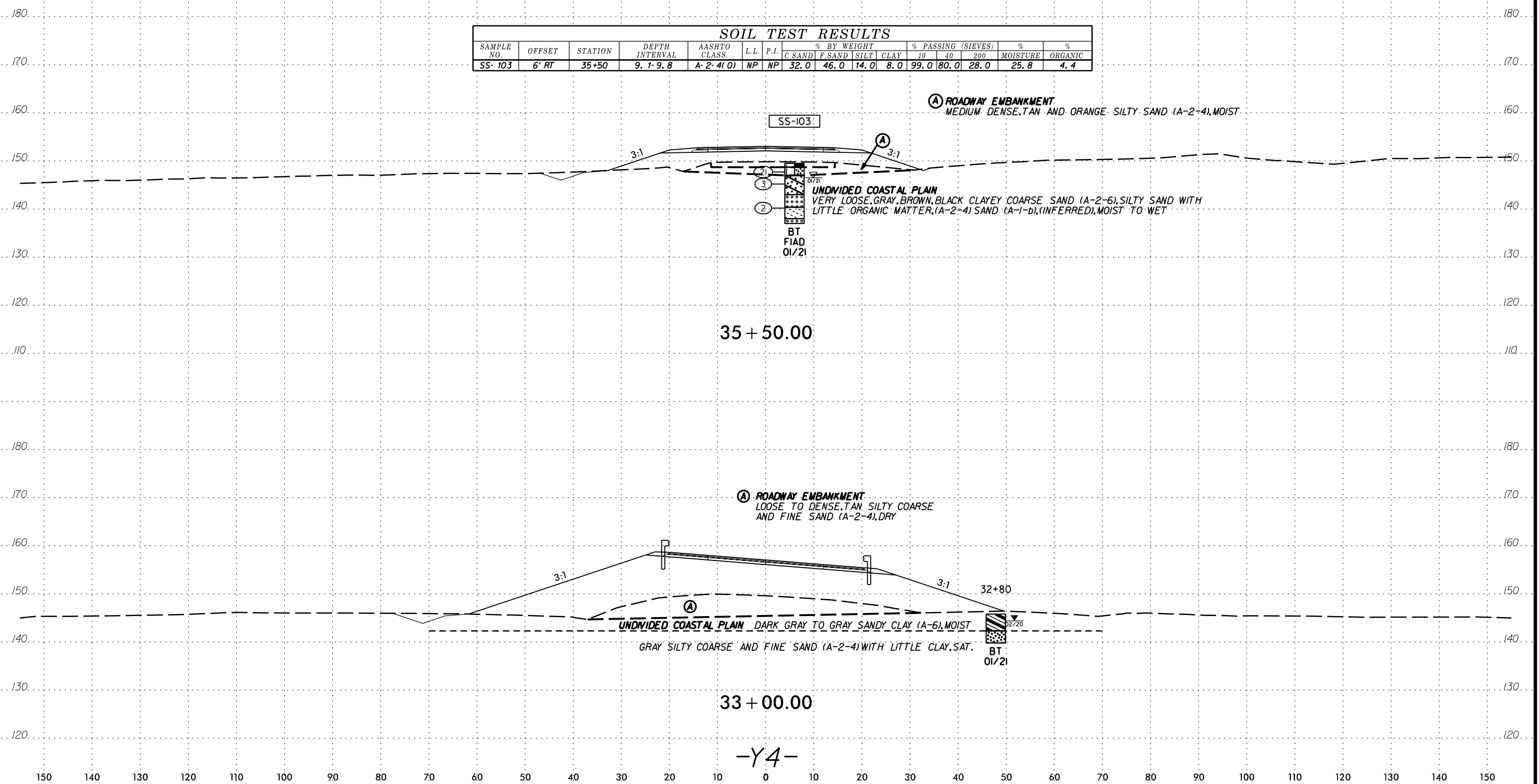
DATE: 6/23/16
SCALE: 1"=20'
DRAWN: J. BARRANE
CHECKED: J. BARRANE
APPROVED: J. BARRANE

6/23/16

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			%	
							C.SAND	F.SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC
SS-103	6' RT	35+50	9.1-9.8	A-2-4(O)	NP	NP	32.0	46.0	14.0	8.0	99.0	80.0	28.0	25.8	4.4



(A) ROADWAY EMBANKMENT
MEDIUM DENSE, TAN AND ORANGE SILTY SAND (A-2-4), MOIST

UNDIVIDED COASTAL PLAIN
VERY LOOSE, GRAY, BROWN, BLACK CLAYEY COARSE SAND (A-2-6), SILTY SAND WITH LITTLE ORGANIC MATTER, (A-2-4) SAND (A-1-b), (INFERRED), MOIST TO WET

(A) ROADWAY EMBANKMENT
LOOSE TO DENSE, TAN SILTY COARSE AND FINE SAND (A-2-4), DRY

UNDIVIDED COASTAL PLAIN
DARK GRAY TO GRAY SANDY CLAY (A-6), MOIST
GRAY SILTY COARSE AND FINE SAND (A-2-4) WITH LITTLE CLAY, SAT.

SCHEMATIC CROSS SECTION
DATE: 6/23/16
DRAWN BY: J. BARRANE

6/23/16



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

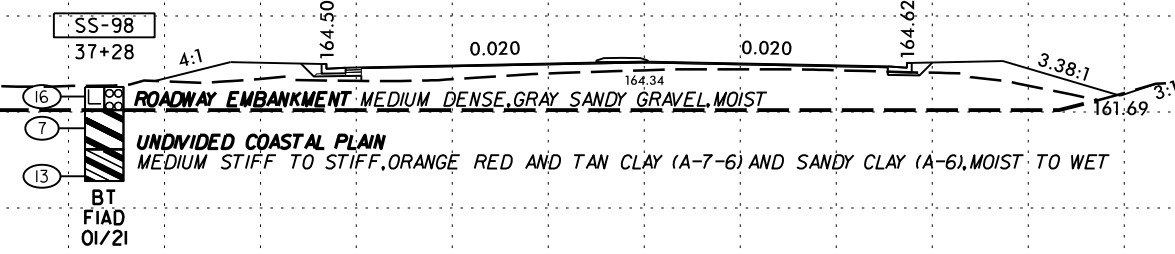
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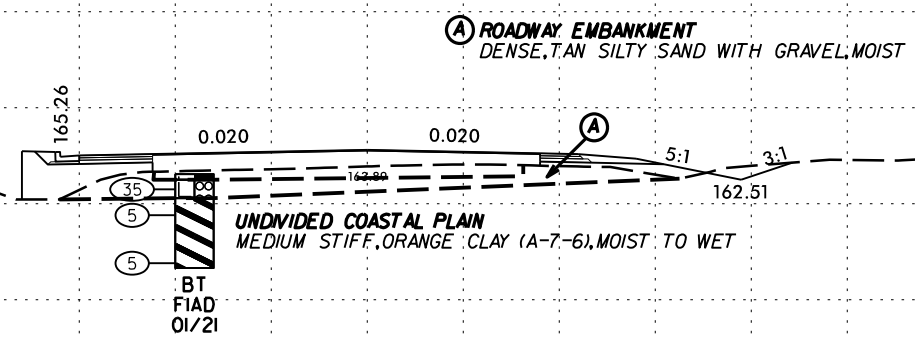
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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			%	%
							C. SAND	F. SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC
SS-98	56' LT	37+28	3.3-4.8	A-7-6(11)	42	24	29.0	15.0	11.0	45.0	99.0	79.0	57.9	24.6	ND



37 + 50.00

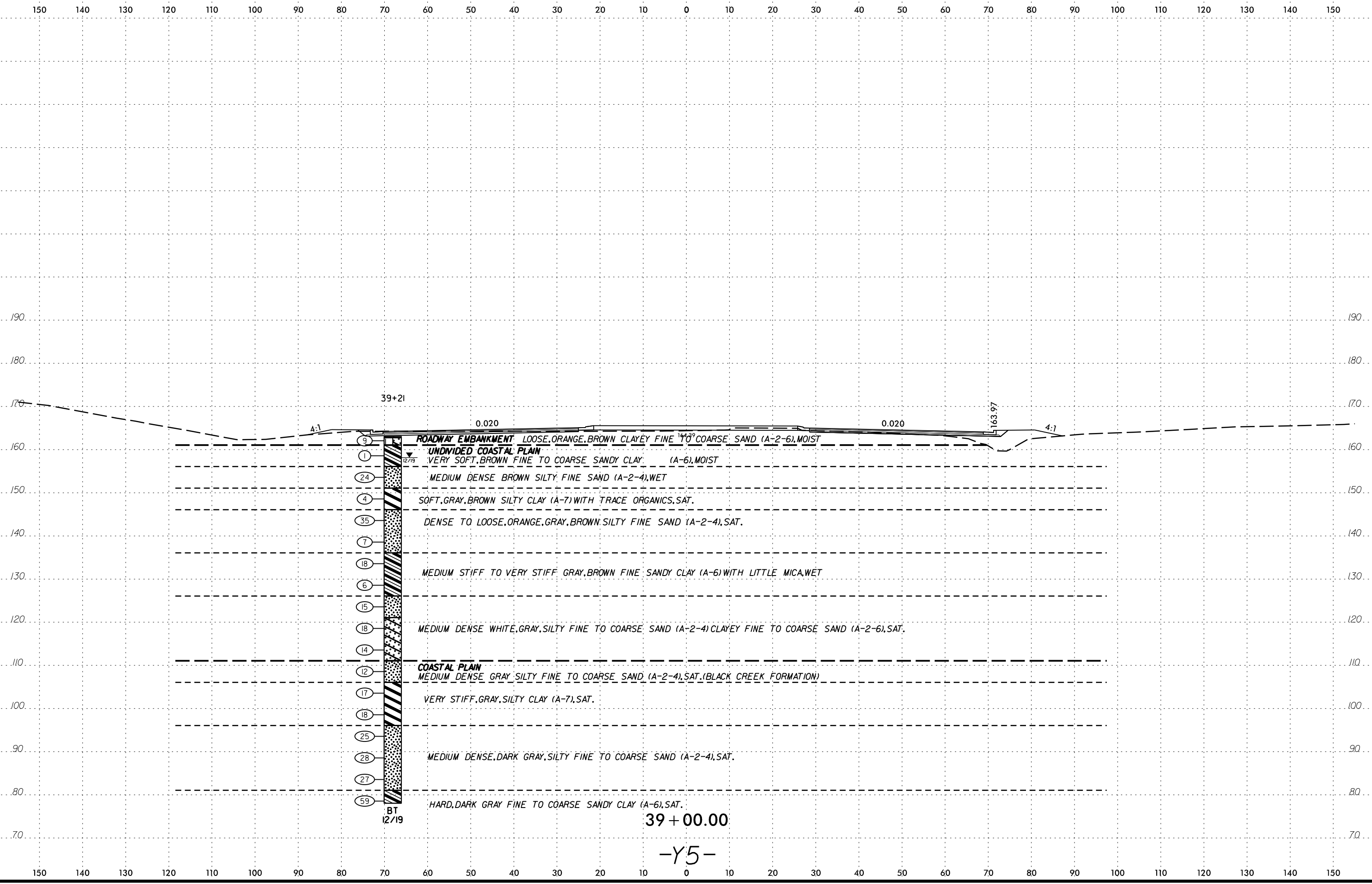


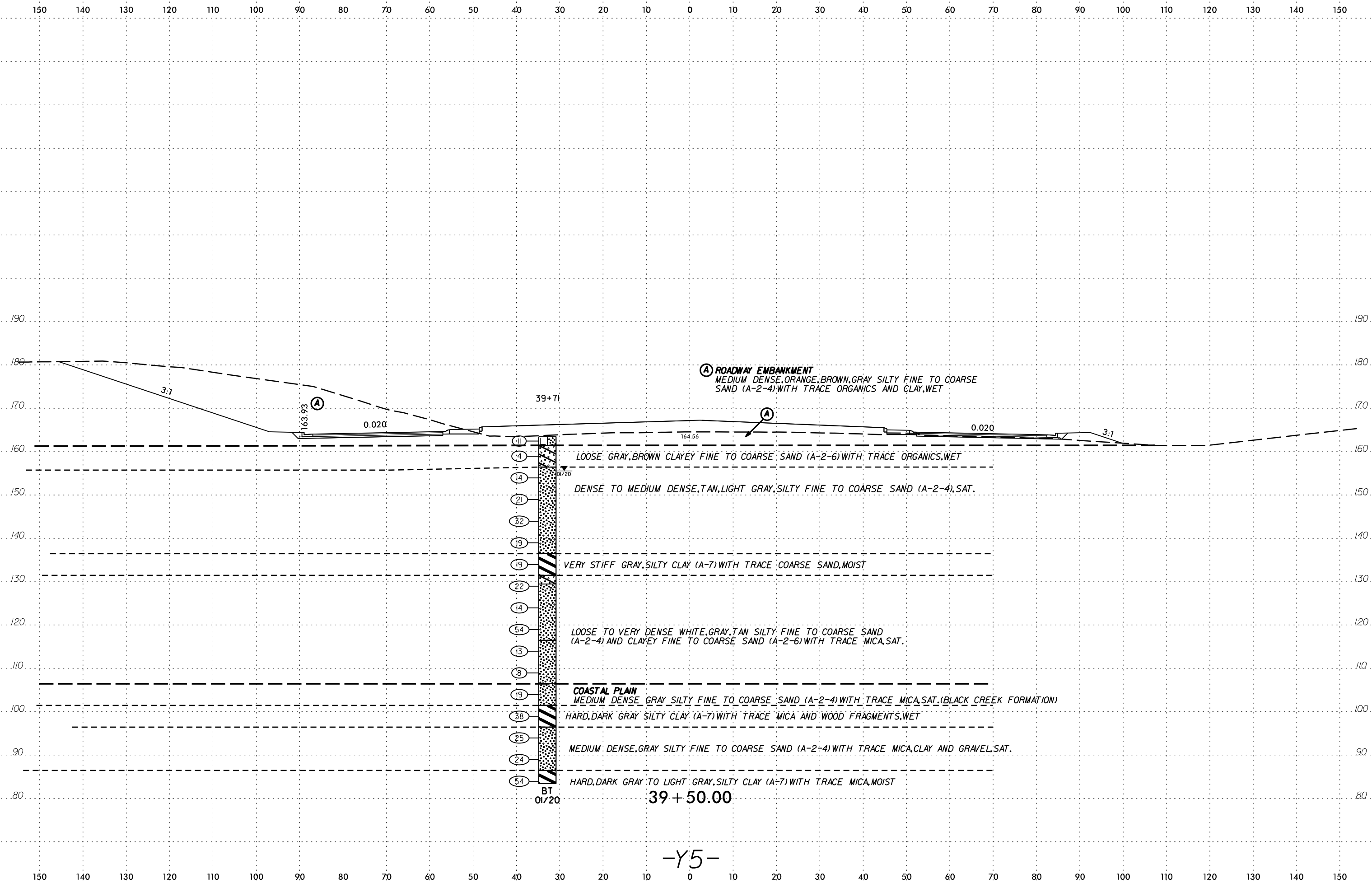
33 + 00.00

-Y5-

SCHEMATIC CONSTRUCTION DETAILS

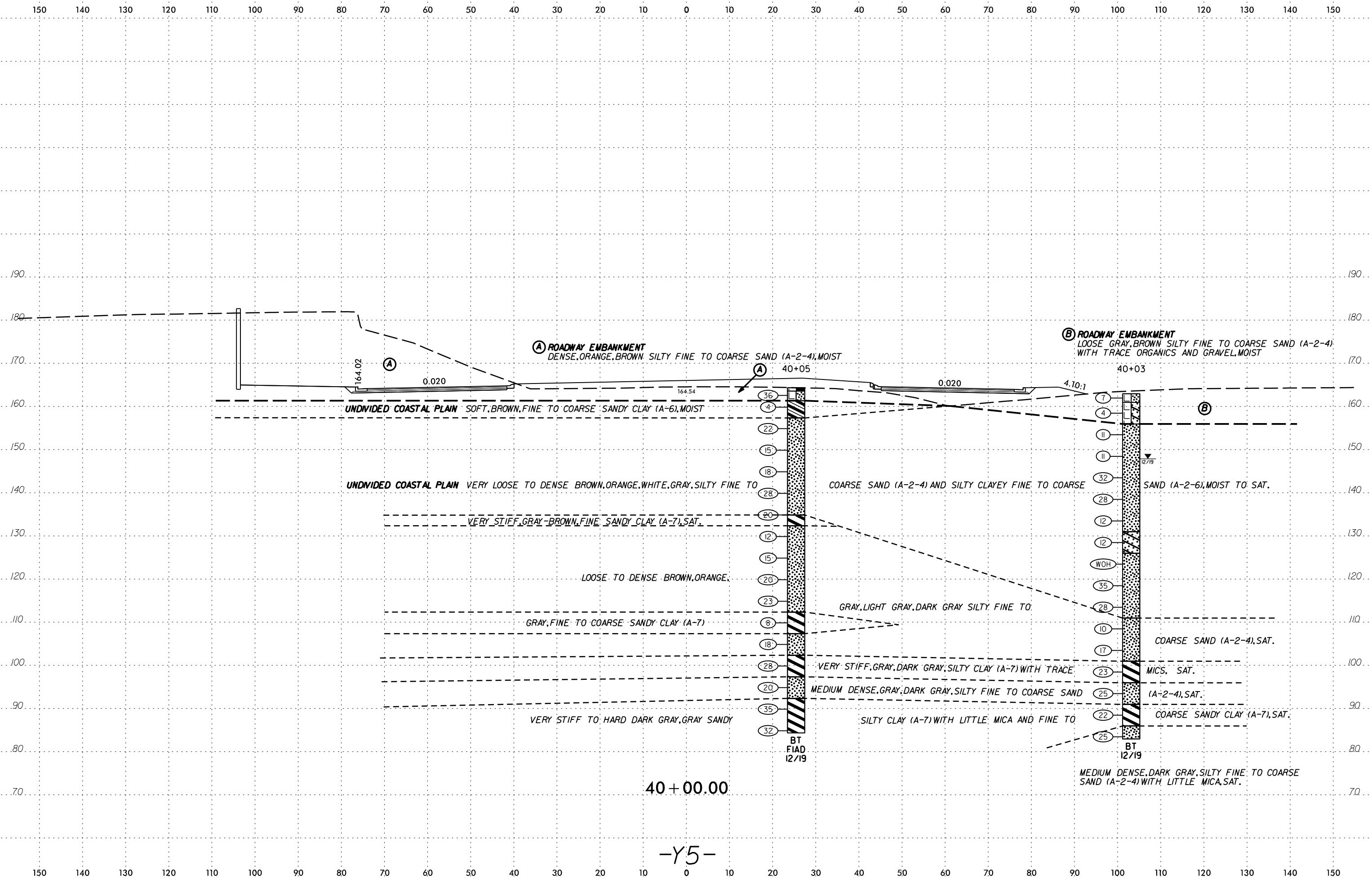
6/23/16

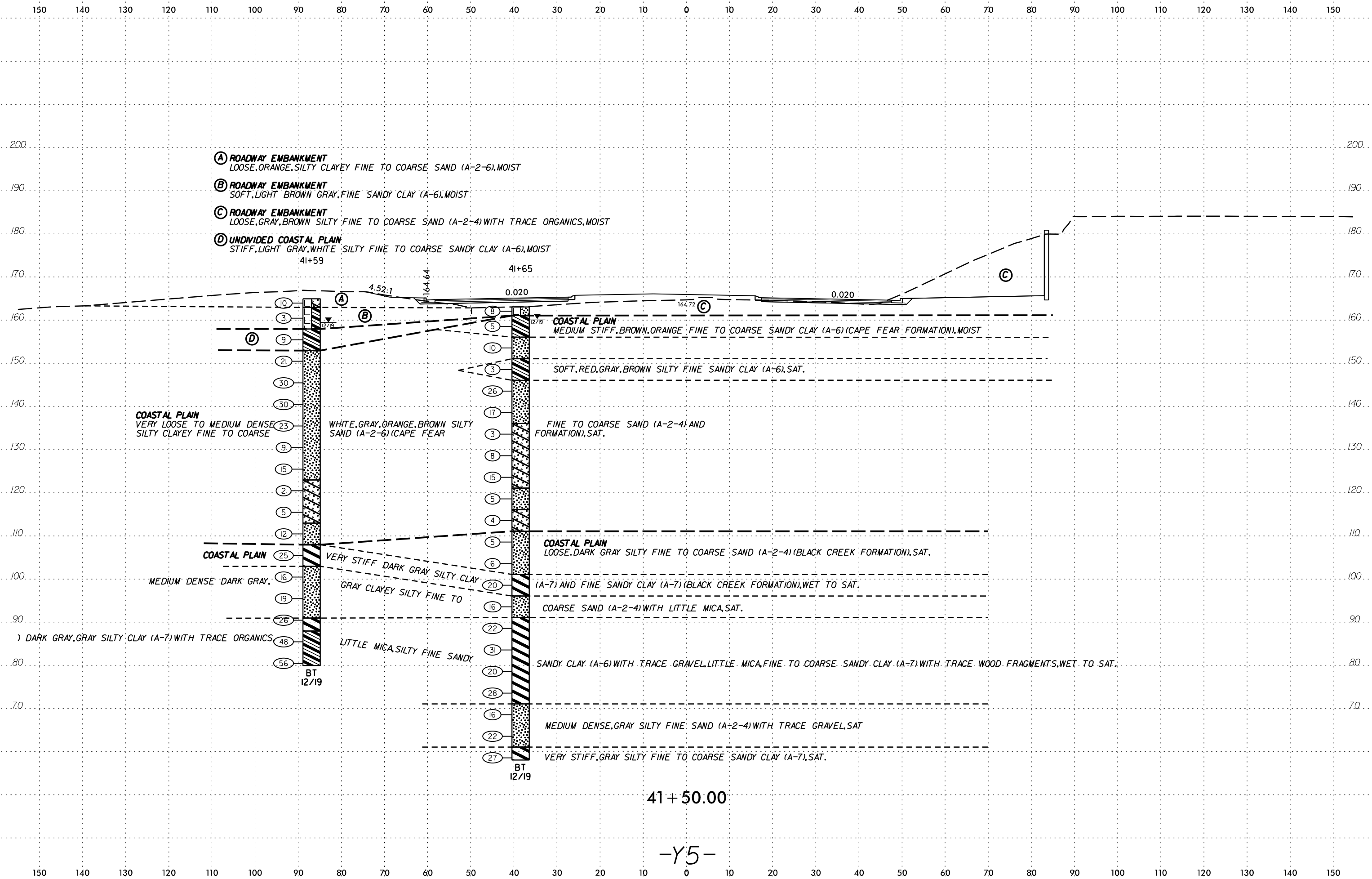




-Y5-

DATE: 6/23/16
DRAWN BY: [illegible]
CHECKED BY: [illegible]
SCALE: AS SHOWN



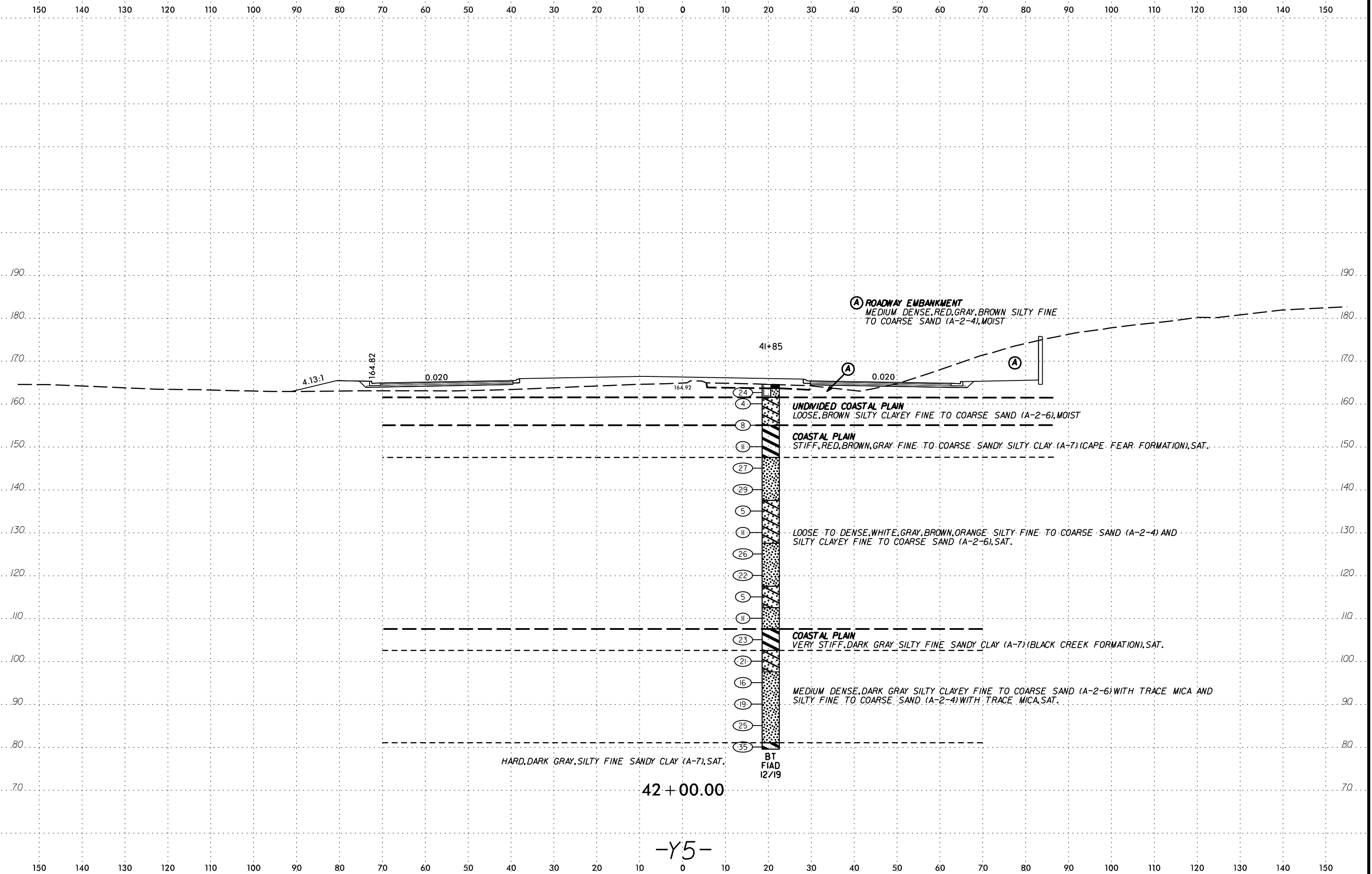


41 + 50.00

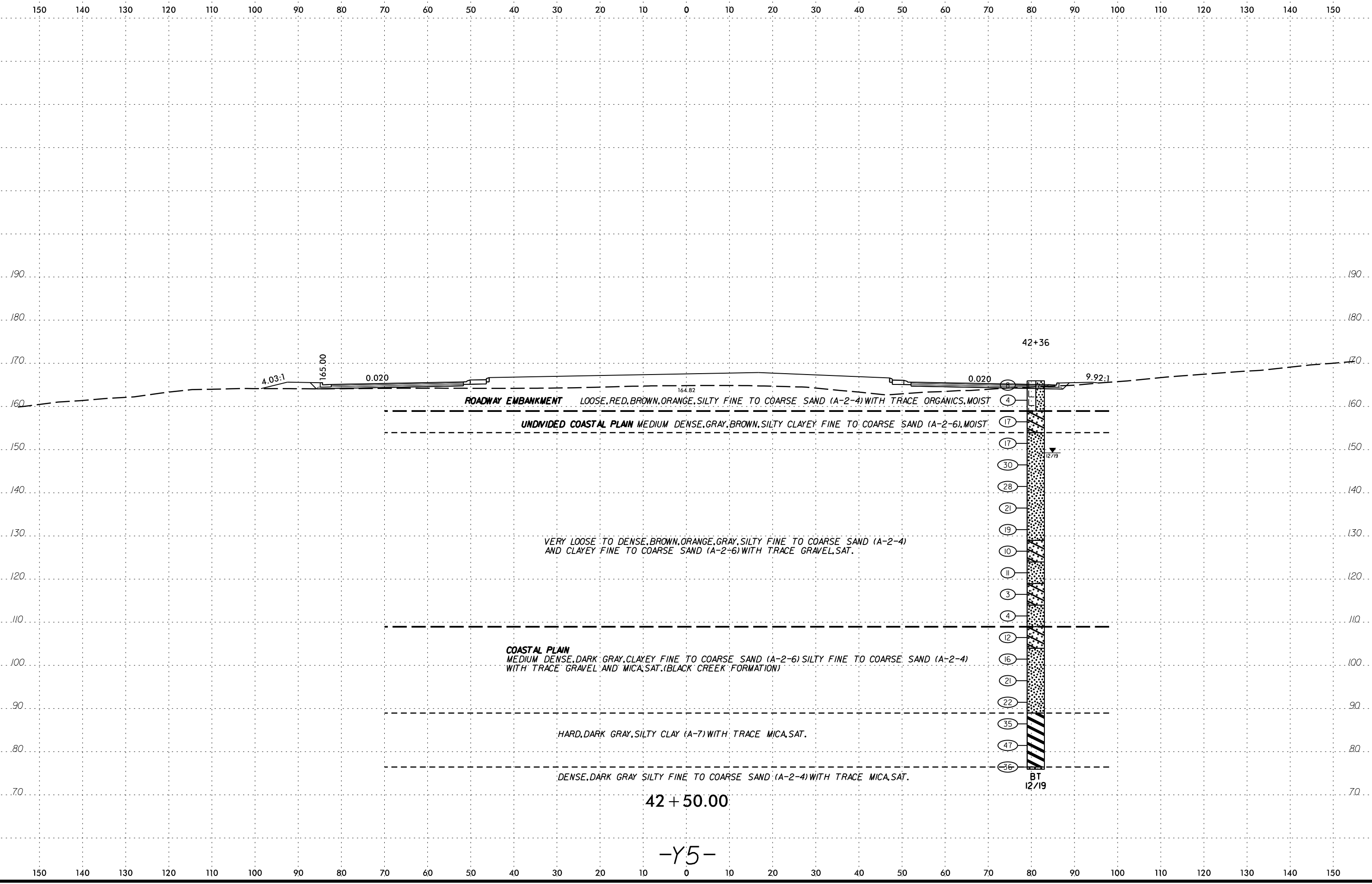
-Y5-

SCALE: 1" = 10' (VERTICAL)
1" = 100' (HORIZONTAL)

6/23/16
SYTIME
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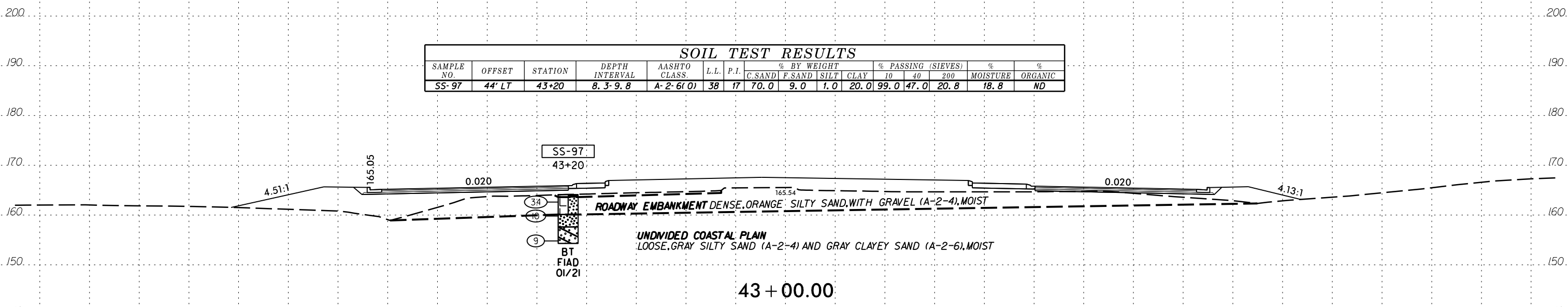
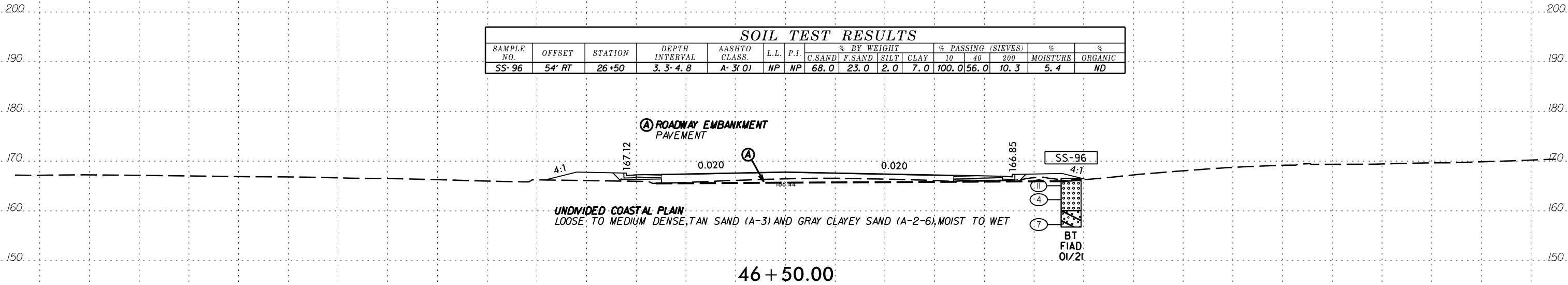


6/23/16



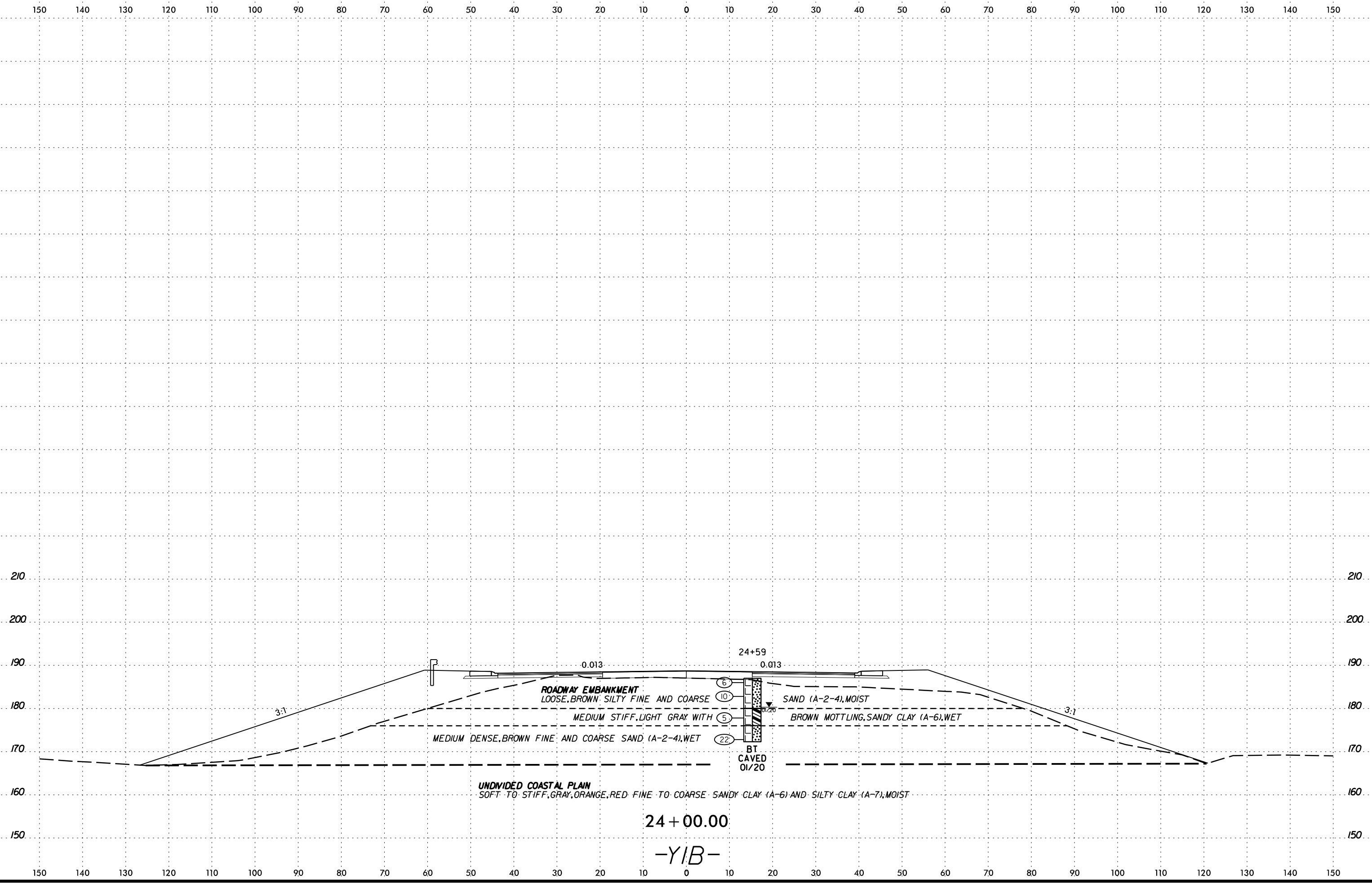
SYTIME
CON
ARRIVE
JULY

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

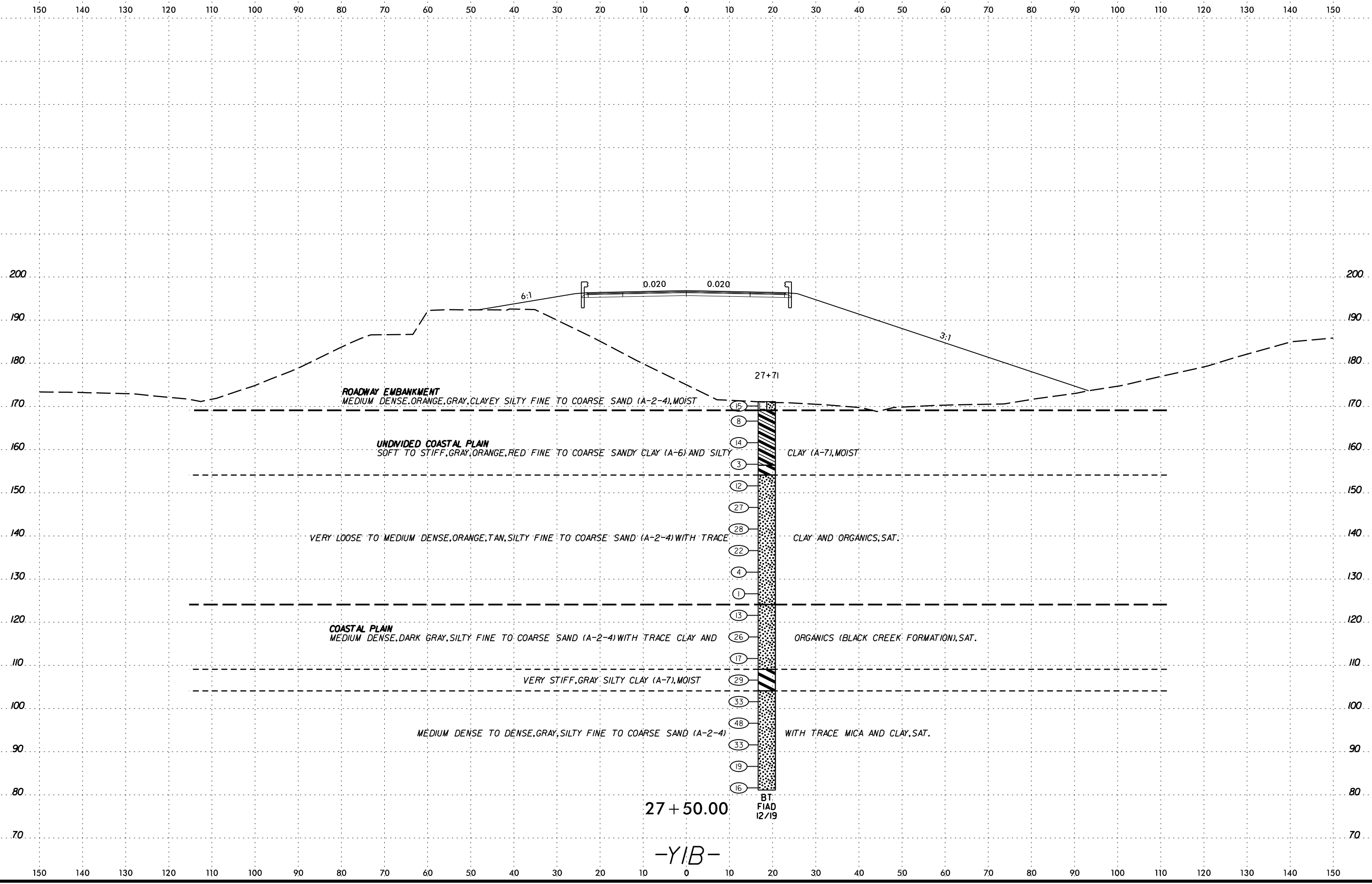


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6/23/16



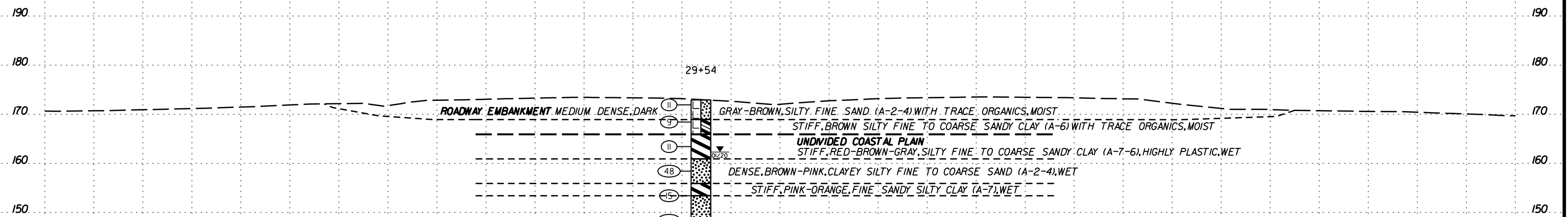
6/23/16



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

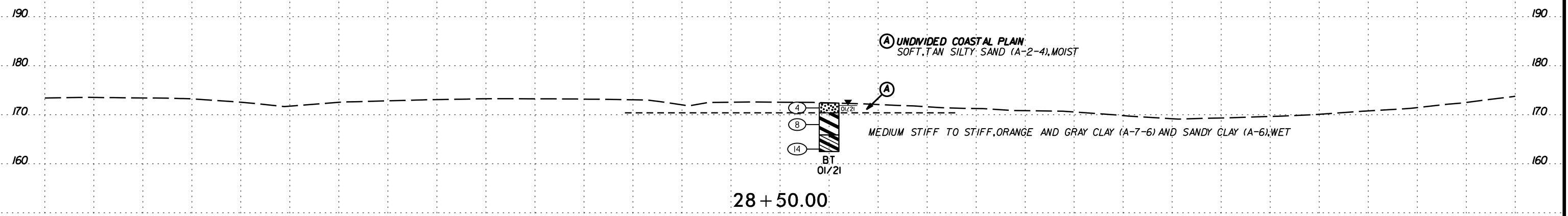
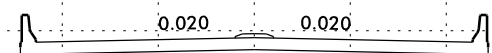


29+54



BT 01/20

29 + 50.00



BT 01/21

28 + 50.00

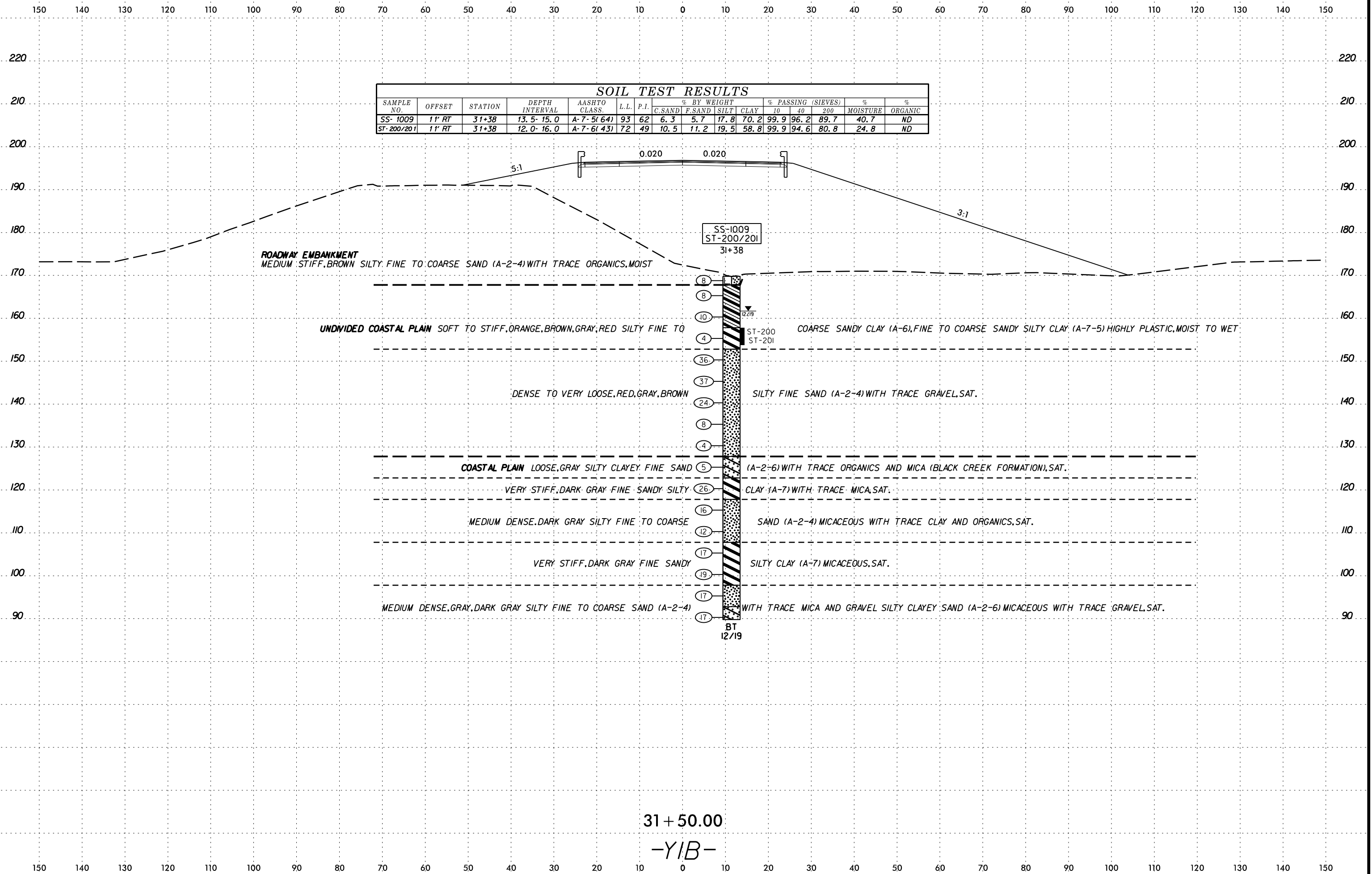
-YIB-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SCHEMATIC CONSTRUCTION DETAILS

6/23/16

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-1009	11' RT	31+38	13.5- 15.0	A-7-5(64)	93	62	6.3	5.7	17.8	70.2	99.9	96.2	89.7	40.7	ND
ST-200/201	11' RT	31+38	12.0- 16.0	A-7-6(43)	72	49	10.5	11.2	19.5	58.8	99.9	94.6	80.8	24.8	ND



ROADWAY EMBANKMENT
 MEDIUM STIFF, BROWN SILTY FINE TO COARSE SAND (A-2-4) WITH TRACE ORGANICS, MOIST

UNDIVIDED COASTAL PLAIN SOFT TO STIFF, ORANGE, BROWN, GRAY, RED SILTY FINE TO

COARSE SANDY CLAY (A-6), FINE TO COARSE SANDY SILTY CLAY (A-7-5) HIGHLY PLASTIC, MOIST TO WET

DENSE TO VERY LOOSE, RED, GRAY, BROWN

SILTY FINE SAND (A-2-4) WITH TRACE GRAVEL, SAT.

COASTAL PLAIN LOOSE, GRAY SILTY CLAYEY FINE SAND (A-2-6) WITH TRACE ORGANICS AND MICA (BLACK CREEK FORMATION), SAT.

VERY STIFF, DARK GRAY FINE SANDY SILTY CLAY (A-7) WITH TRACE MICA, SAT.

MEDIUM DENSE, DARK GRAY SILTY FINE TO COARSE

SAND (A-2-4) MICACEOUS WITH TRACE CLAY AND ORGANICS, SAT.

VERY STIFF, DARK GRAY FINE SANDY

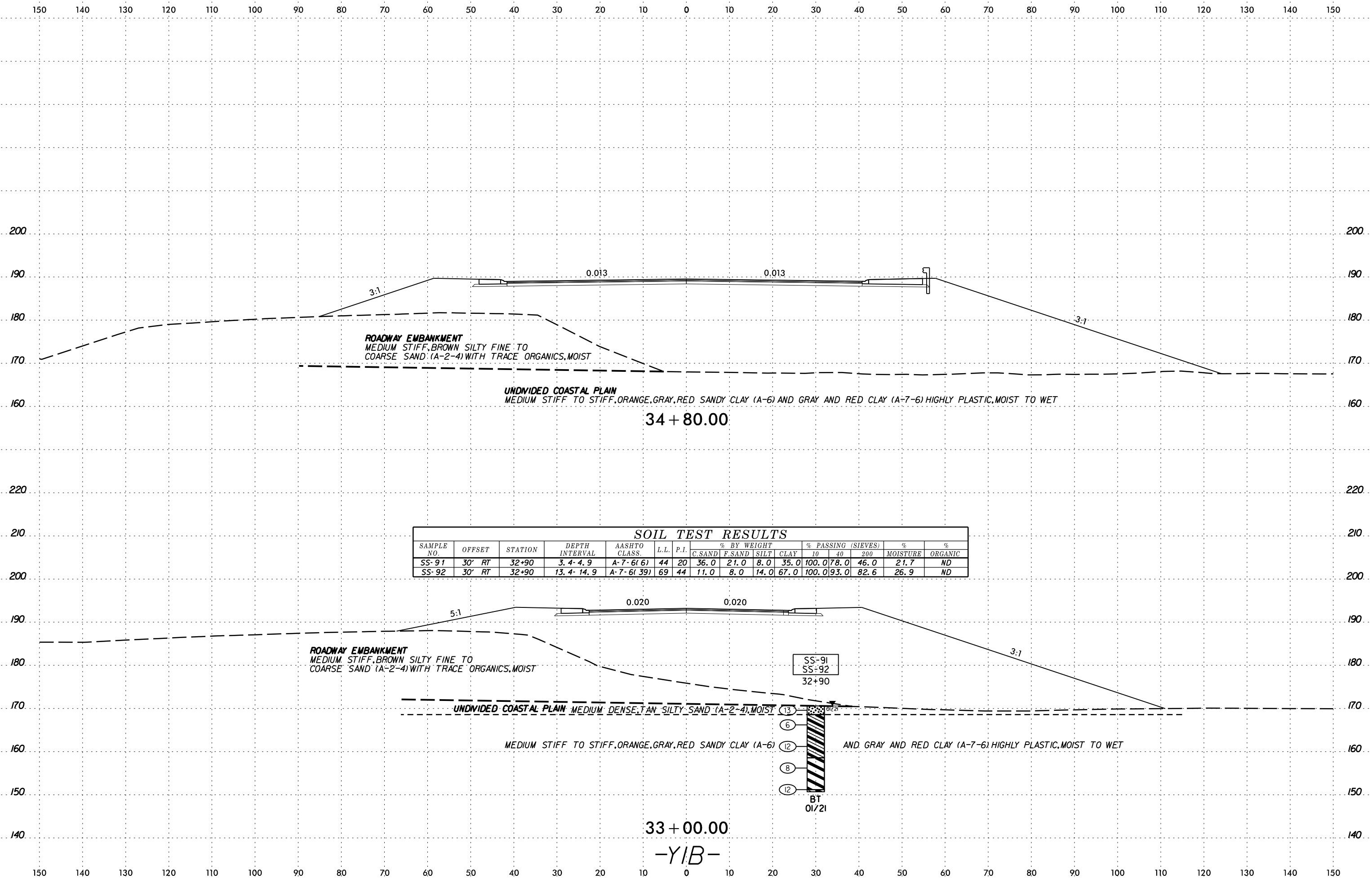
SILTY CLAY (A-7) MICACEOUS, SAT.

MEDIUM DENSE, GRAY, DARK GRAY SILTY FINE TO COARSE SAND (A-2-4)

WITH TRACE MICA AND GRAVEL SILTY CLAYEY SAND (A-2-6) MICACEOUS WITH TRACE GRAVEL, SAT.

31 + 50.00
 -YIB-

SCHEMATIC OF ROADWAY CROSS SECTION
 FOR I-5987B PROJECT
 DRAWN BY J. BRYAN
 CHECKED BY J. BRYAN



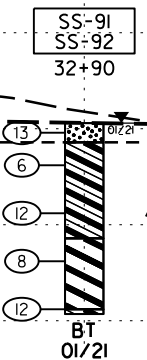
34 + 80.00

SOIL TEST RESULTS

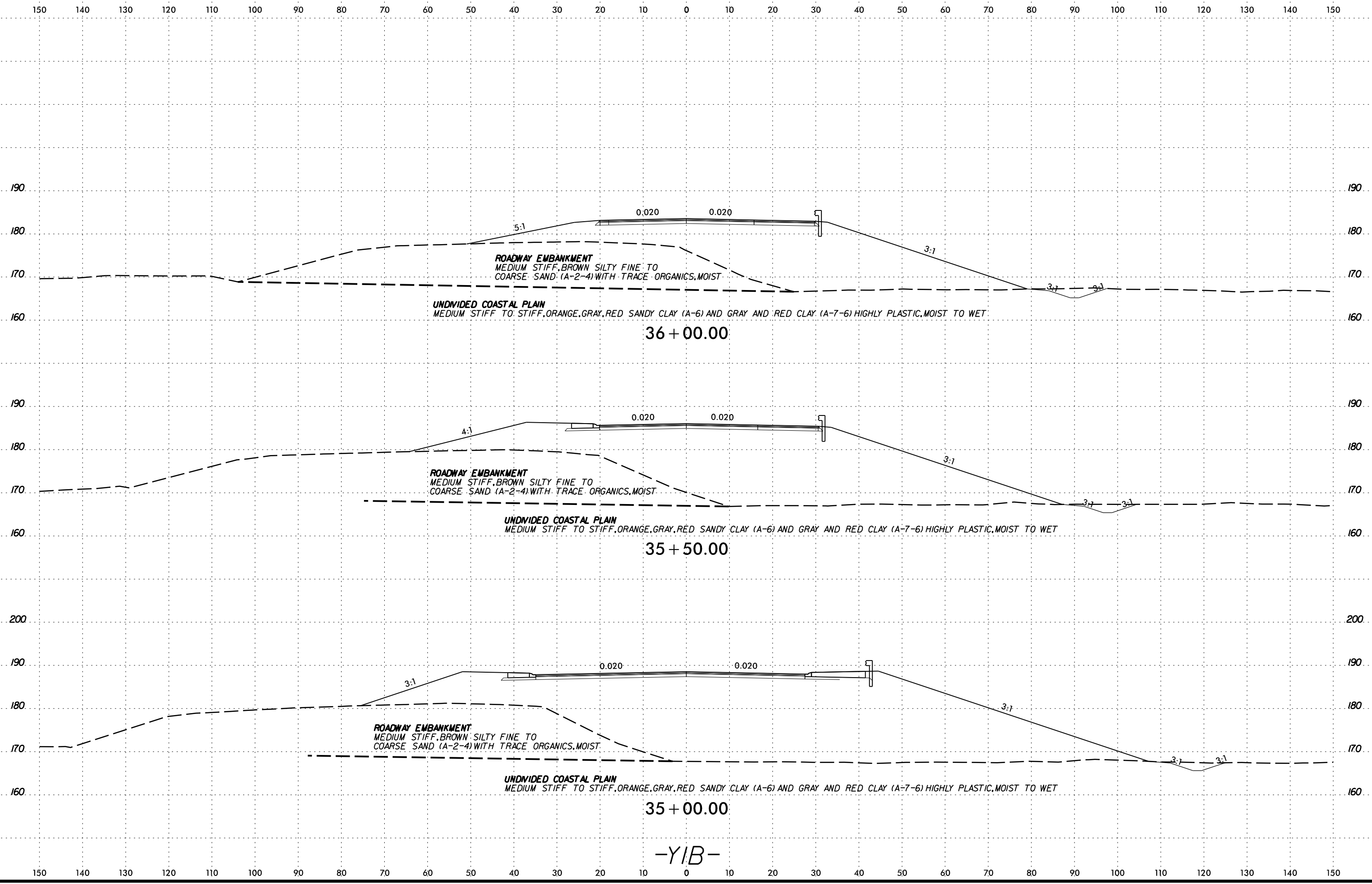
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-91	30' RT	32+90	3.4- 4.9	A-7-6(6)	44	20	36.0	21.0	8.0	35.0	100.0	78.0	46.0	21.7	ND
SS-92	30' RT	32+90	13.4- 14.9	A-7-6(39)	69	44	11.0	8.0	14.0	67.0	100.0	93.0	82.6	26.9	ND

33 + 00.00

-YIB-

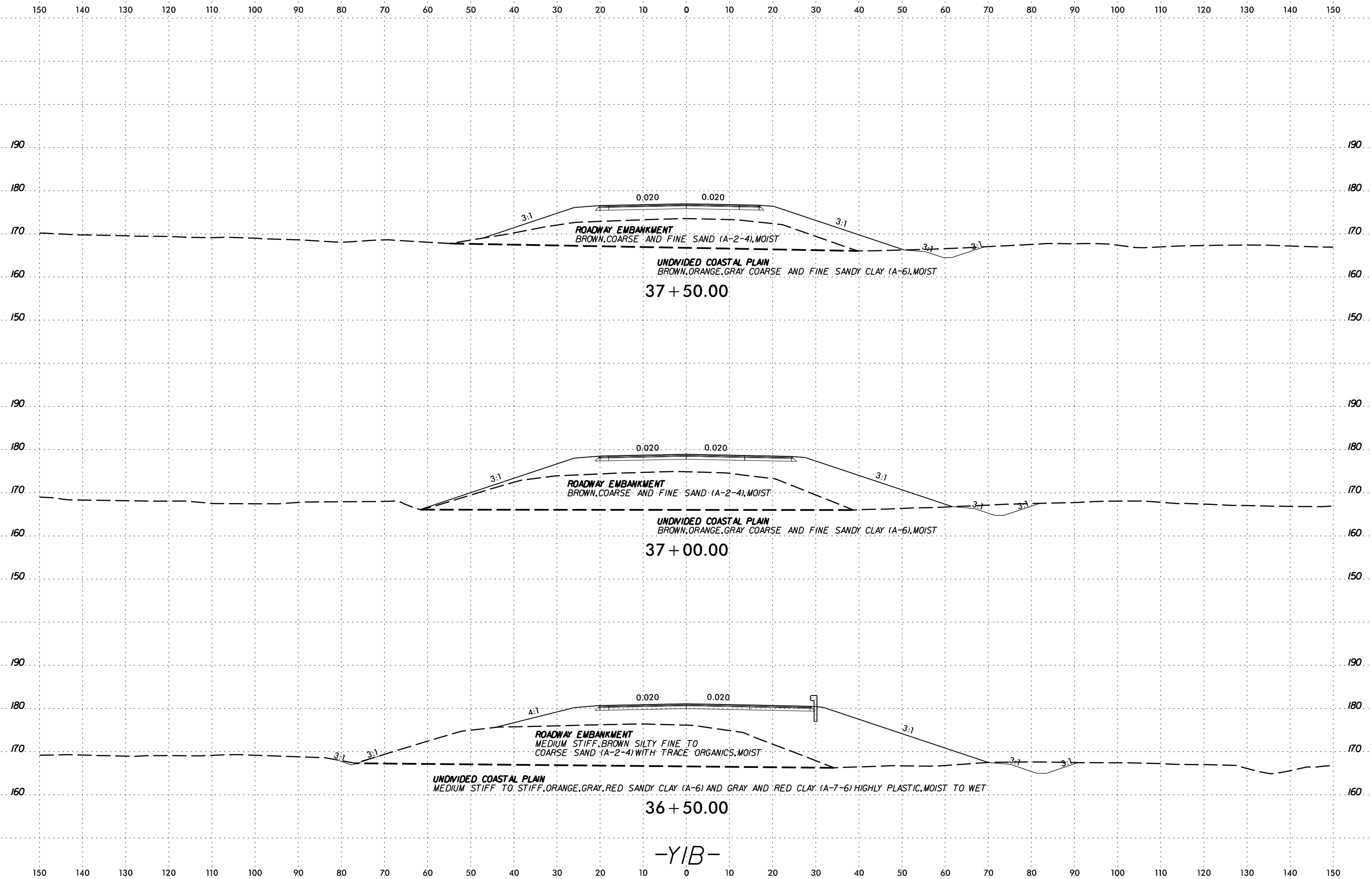


6/23/16



-YIB-

DATE: 6/23/16
BY: [illegible]
CHECKED: [illegible]
SCALE: AS SHOWN
SHEET NO.: 283
PROJECT: I-5987B



37 + 50.00

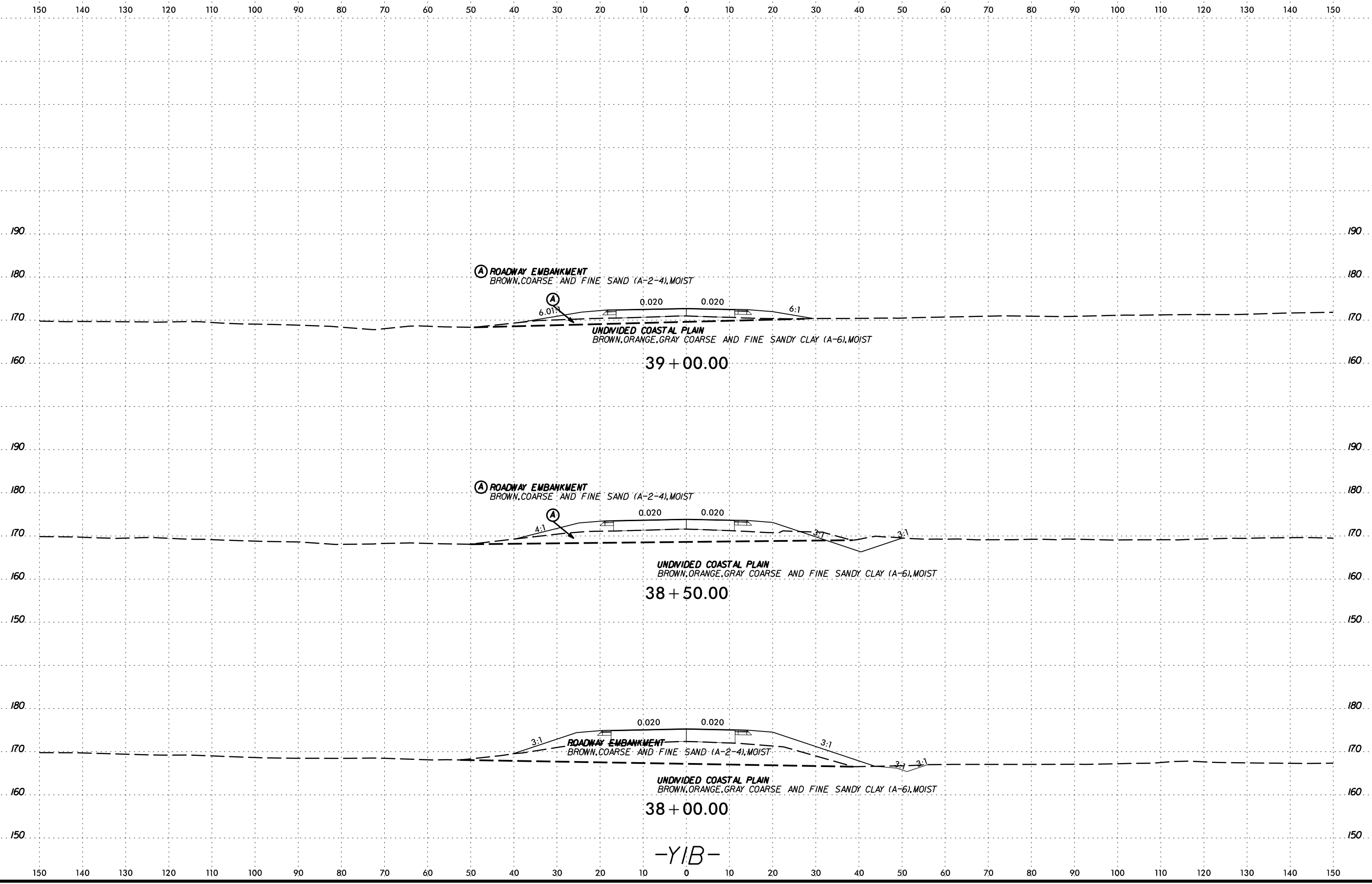
37 + 00.00

36 + 50.00

-YIB-

SYTIME
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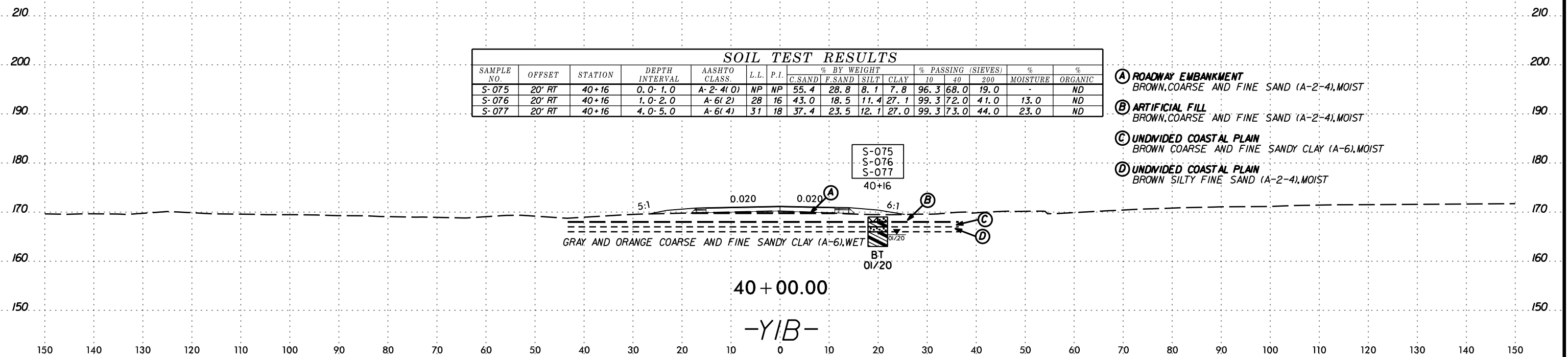
6/23/16



SCHEMATIC CROSS SECTION
DATE: 6/23/16
BY: [unreadable]

6/23/16

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
S-075	20' RT	40+16	0.0-1.0	A-2-4(0)	NP	NP	55.4	28.8	8.1	7.8	96.3	68.0	19.0	-	ND
S-076	20' RT	40+16	1.0-2.0	A-6(2)	28	16	43.0	18.5	11.4	27.1	99.3	72.0	41.0	13.0	ND
S-077	20' RT	40+16	4.0-5.0	A-6(4)	31	18	37.4	23.5	12.1	27.0	99.3	73.0	44.0	23.0	ND

- (A) ROADWAY EMBANKMENT**
BROWN, COARSE AND FINE SAND (A-2-4), MOIST
- (B) ARTIFICIAL FILL**
BROWN, COARSE AND FINE SAND (A-2-4), MOIST
- (C) UNDIVIDED COASTAL PLAIN**
BROWN COARSE AND FINE SANDY CLAY (A-6), MOIST
- (D) UNDIVIDED COASTAL PLAIN**
BROWN SILTY FINE SAND (A-2-4), MOIST

40 + 00.00
-YIB-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

200

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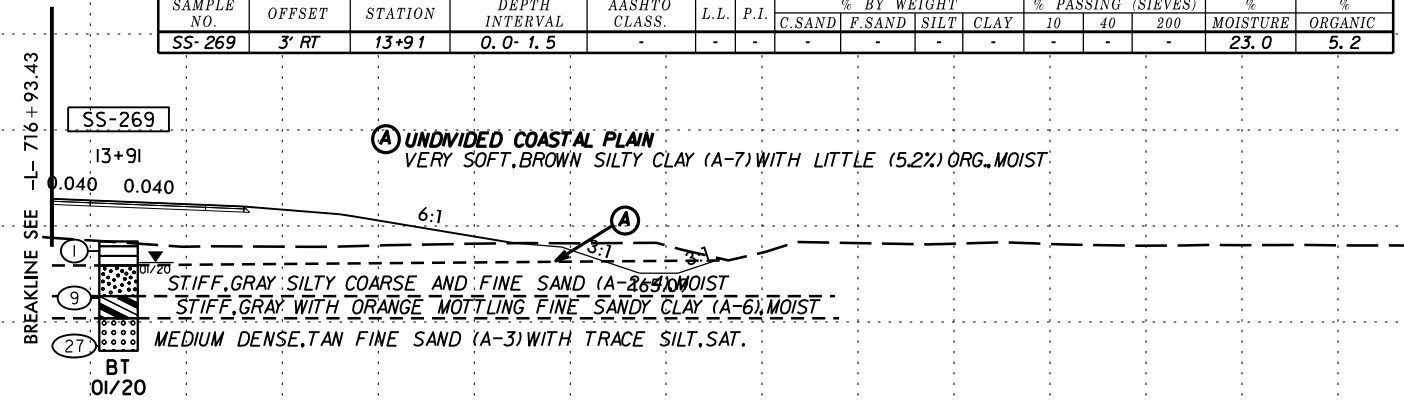
170

160

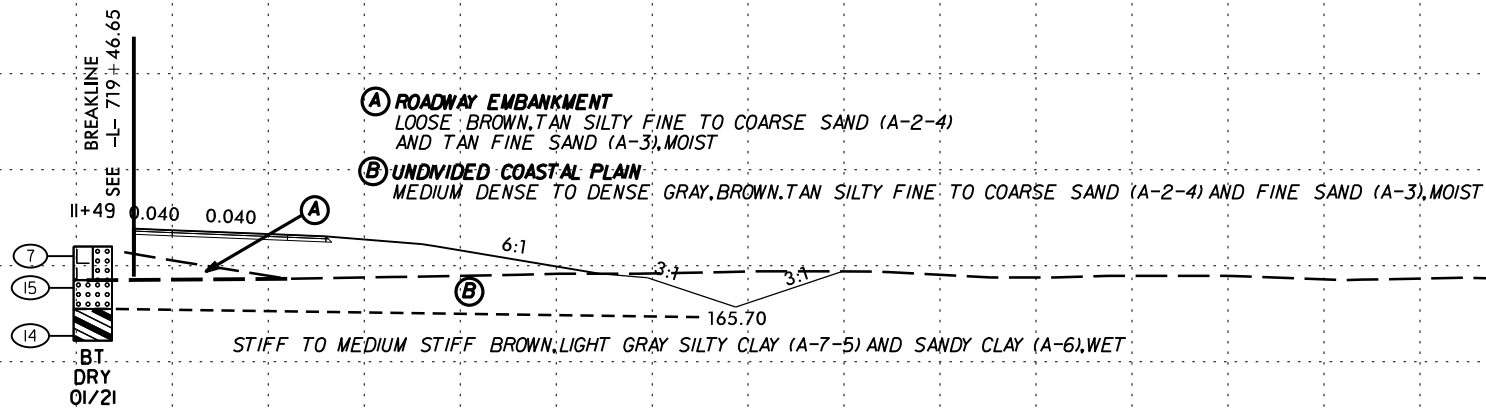
150

SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			%		
							C.SAND	F.SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC	
SS-269	3' RT	13+91	0.0- 1.5	-	-	-	-	-	-	-	-	-	-	-	23.0	5.2



14 + 00.00



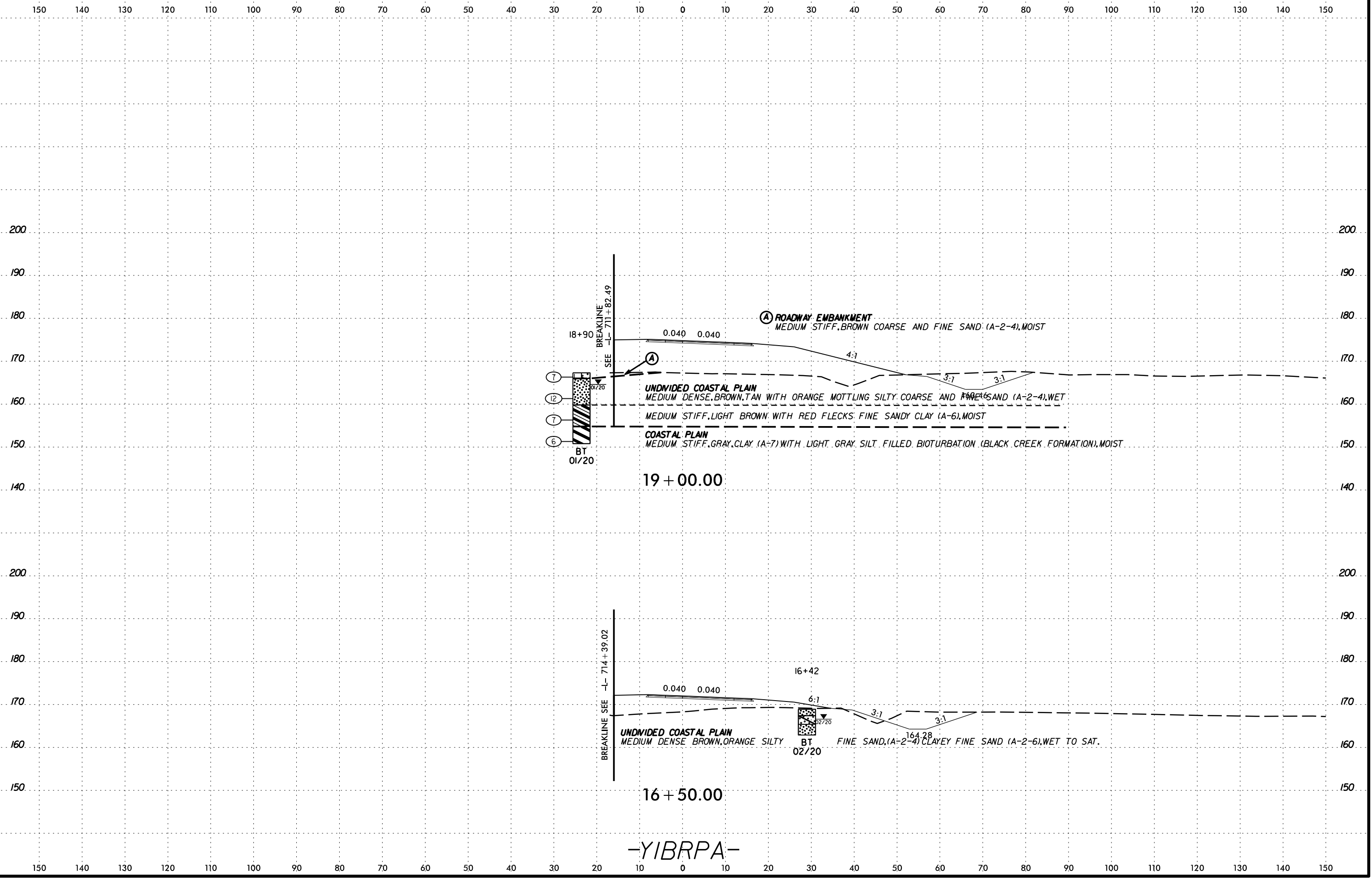
11 + 50.00

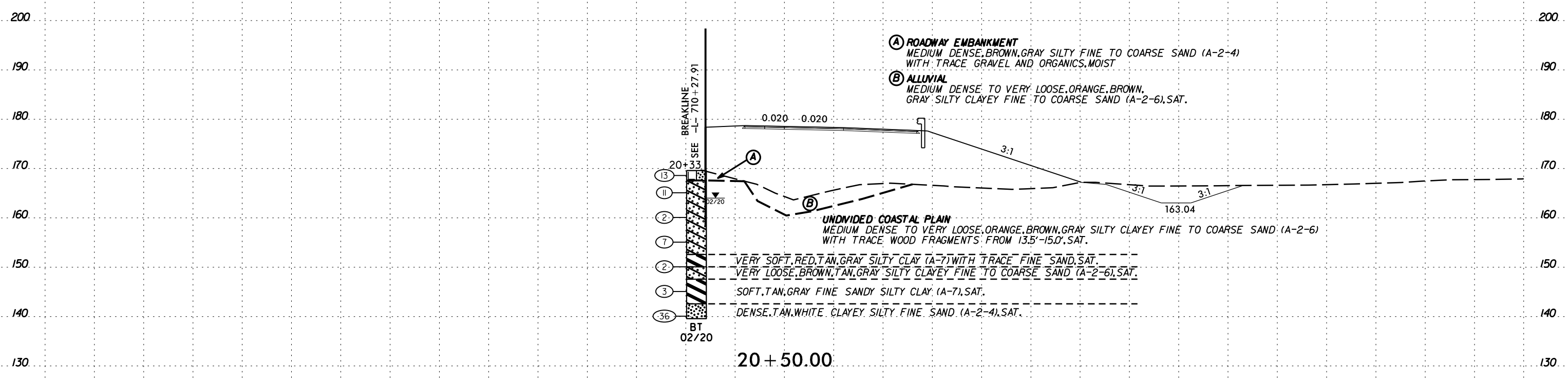
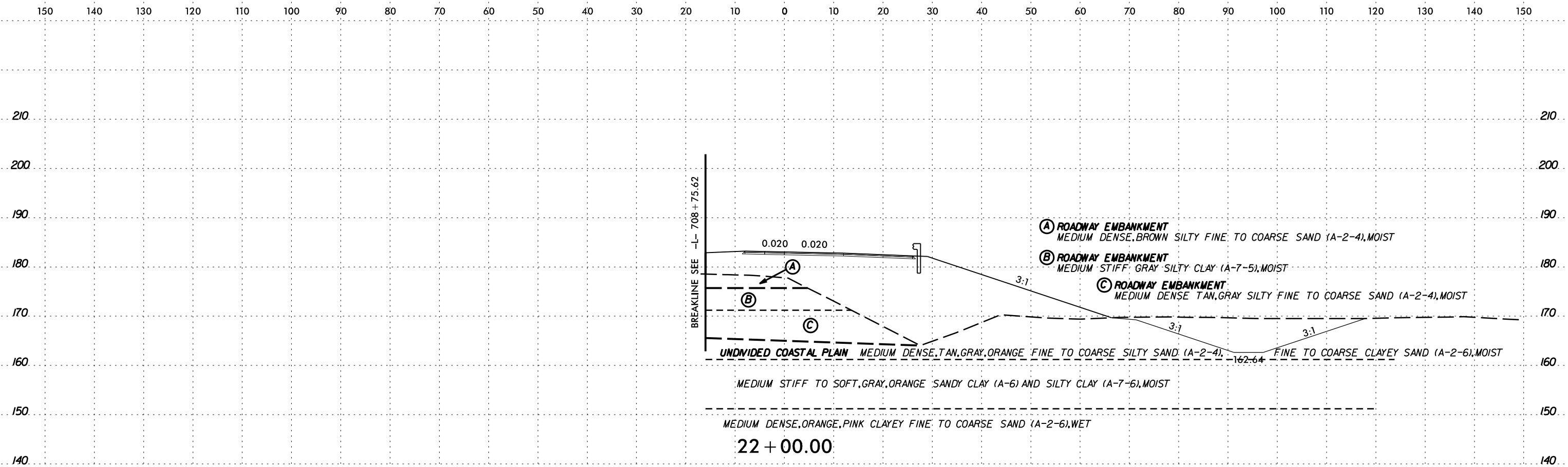
-YIBRPA-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

SYTIME
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JULY
ARRIVE

6/23/16

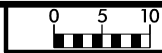




-YIBRPA-

SCALE: 1" = 20'

6/23/16



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

210 200 190 180 170 160 150 200 190 180 170 160 150

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
S-157	18' RT	18+06	0.5-1.5	A-7-6(10)	45	24	34.3	14.8	11.9	39.0	99.6	74.0	54.0	25.0	ND

UNDIVIDED COASTAL PLAIN
BROWN SILTY FINE SAND (A-2-4), WET
0.070 0.070

UNDIVIDED COASTAL PLAIN
BROWN, GRAY, ORANGE, AND BROWN MOTTLING
COARSE SILTY CLAY (A-7-6) AND FINE SANDY CLAY (A-6), MOIST TO WET

18 + 00.00

BREAKLINE SEE -L- X-SECTIONS
S-157
18+06
BT
02/20

ROADWAY EMBANKMENT
LOOSE TAN, LIGHT BROWN SILTY FINE SAND (A-2-4), MOIST

UNDIVIDED COASTAL PLAIN
LOOSE GRAY TO TAN SILTY FINE SAND (A-2-4) AND CLAYEY FINE SAND (A-2-6), MOIST TO WET

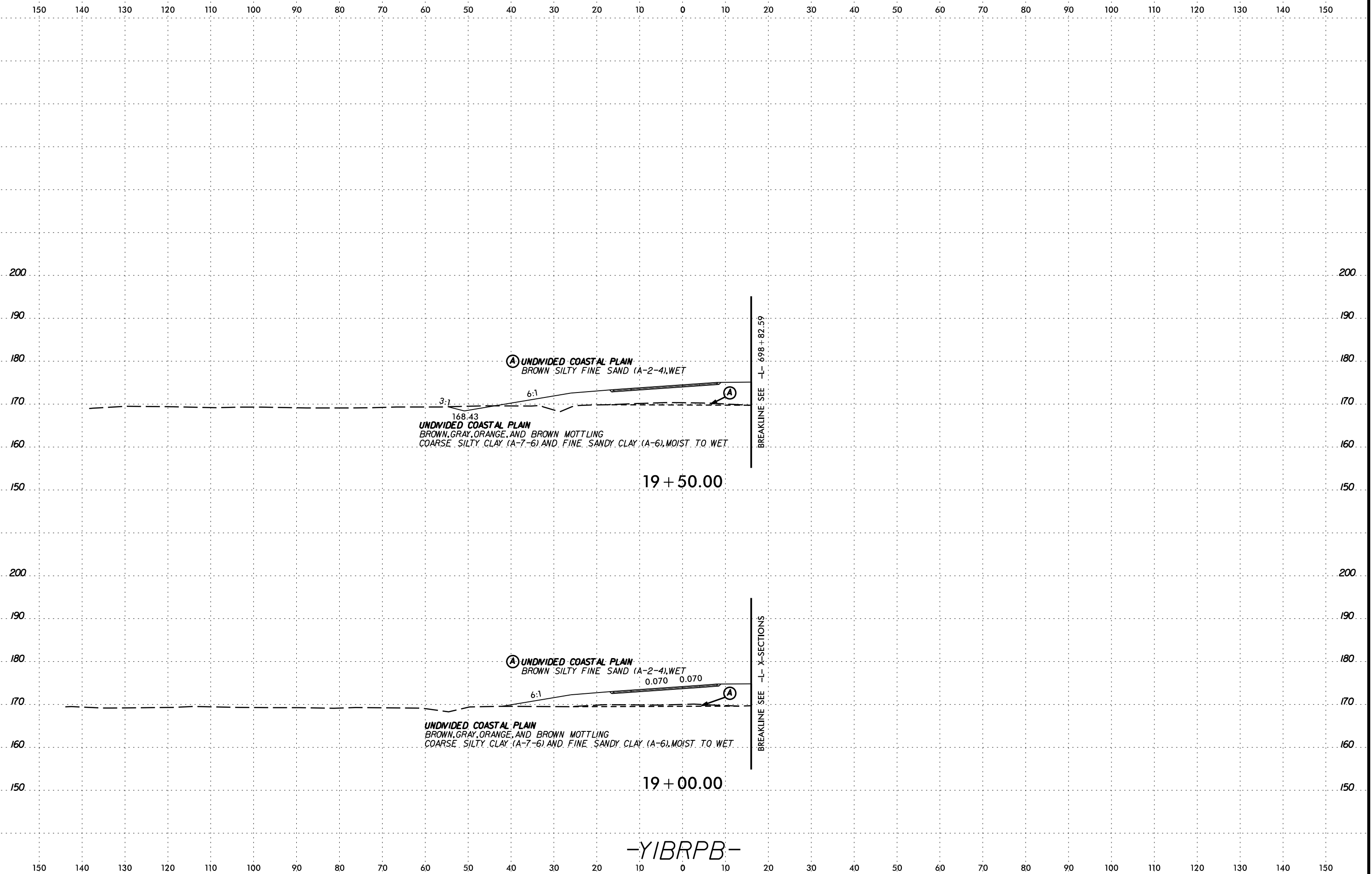
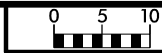
13 + 00.00

-YIBRPB-

BREAKLINE SEE -L- X-SECTIONS

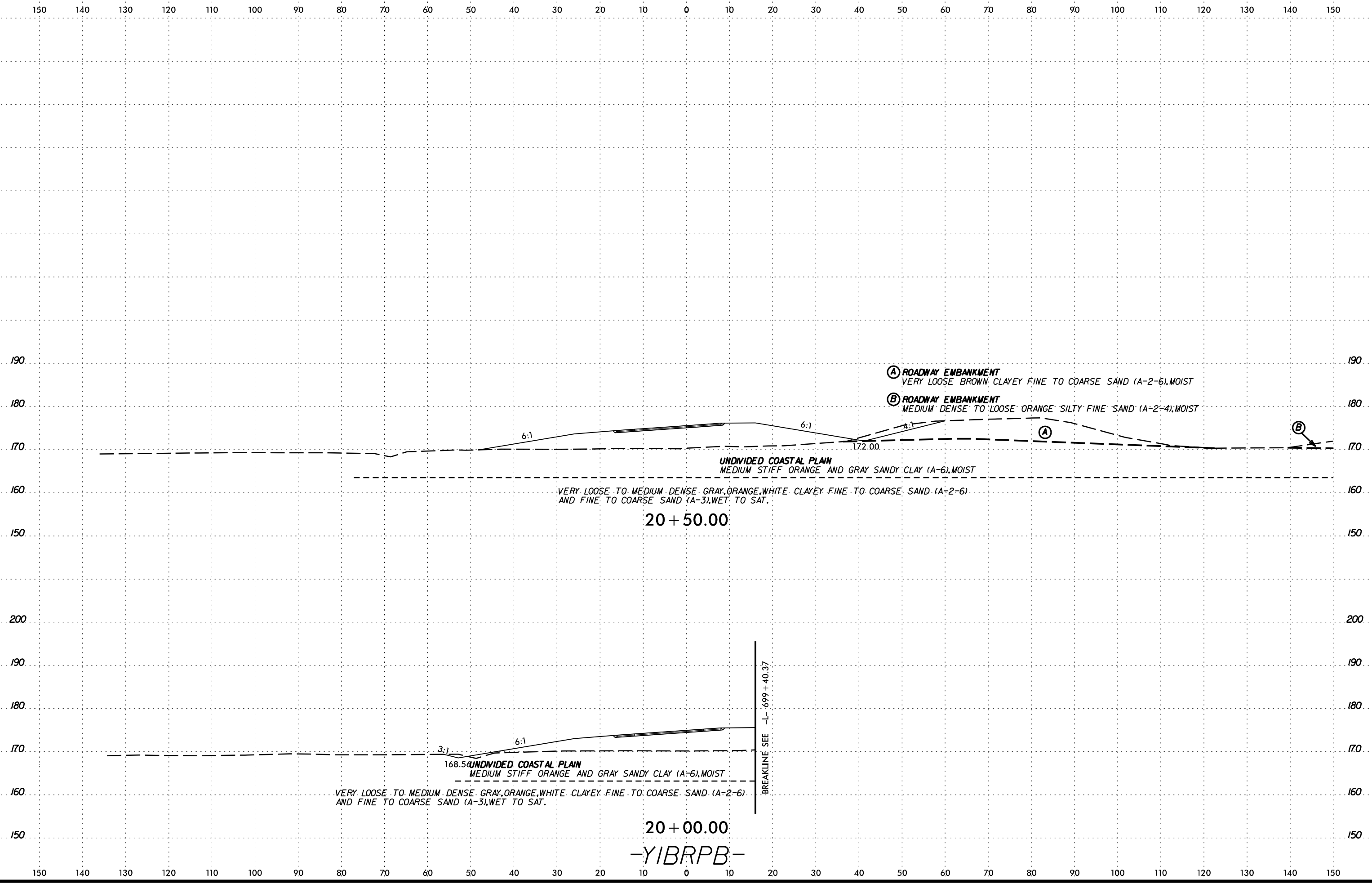
SCHEMATIC CROSS SECTION

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



-YIBRPB-

SYTIME
CON
JUL
ARRIVE



Ⓐ ROADWAY EMBANKMENT
 VERY LOOSE BROWN CLAYEY FINE TO COARSE SAND (A-2-6), MOIST

Ⓑ ROADWAY EMBANKMENT
 MEDIUM DENSE TO LOOSE ORANGE SILTY FINE SAND (A-2-4), MOIST

UNDIVIDED COASTAL PLAIN
 MEDIUM STIFF ORANGE AND GRAY SANDY CLAY (A-6), MOIST

VERY LOOSE TO MEDIUM DENSE GRAY, ORANGE, WHITE CLAYEY FINE TO COARSE SAND (A-2-6)
 AND FINE TO COARSE SAND (A-3), WET TO SAT.

20 + 50.00

UNDIVIDED COASTAL PLAIN
 MEDIUM STIFF ORANGE AND GRAY SANDY CLAY (A-6), MOIST

VERY LOOSE TO MEDIUM DENSE GRAY, ORANGE, WHITE CLAYEY FINE TO COARSE SAND (A-2-6)
 AND FINE TO COARSE SAND (A-3), WET TO SAT.

20 + 00.00

-YIBRPB-

BREAKLINE SEE -L- 699 + 40.37

SYTIME
CON
JUL
ARRIVE

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

220 220

210 210

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-207	5' RT	24+04	0.0- 1.5	A-6(8)	36	20	25.4	20.4	16.1	38.1	99.0	84.0	57.0	-	ND
SS-208	5' RT	24+04	8.7- 10.2	A-2-6(2)	40	24	50.0	22.3	4.9	22.8	98.8	69.0	30.0	-	ND
SS-209	5' RT	24+04	13.7- 15.2	A-3(0)	NP	NP	42.6	49.7	1.2	6.5	99.8	80.0	9.0	-	ND
SS-210	5' RT	24+04	18.7- 20.2	A-3(0)	NP	NP	79.7	15.4	2.0	2.8	100.0	51.0	6.0	-	ND
SS-211	5' RT	24+04	28.7- 30.2	A-6(10)	37	19	22.7	16.1	26.5	34.7	96.3	87.0	64.0	-	ND
SS-212	5' RT	24+04	33.7- 35.2	A-3(0)	NP	NP	55.4	37.8	2.0	4.8	99.7	78.0	8.0	-	ND

SS-207
 SS-208
 SS-209
 SS-210
 SS-211
 SS-212

180 180

170 170

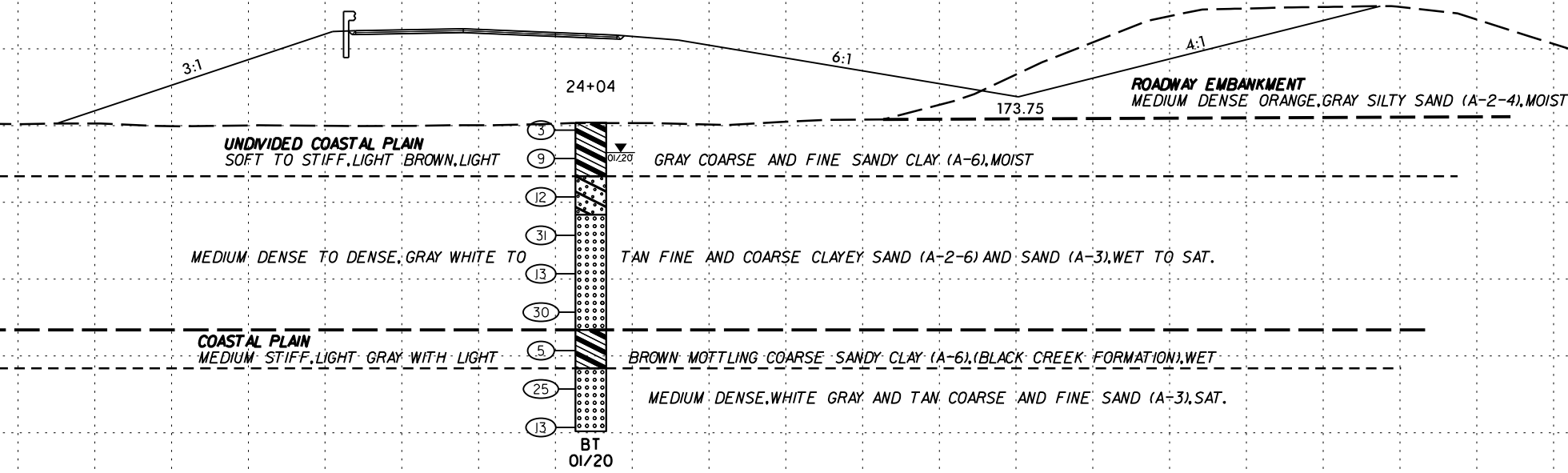
160 160

150 150

140 140

130 130

120 120



24 + 00.00

-YIBRPB-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

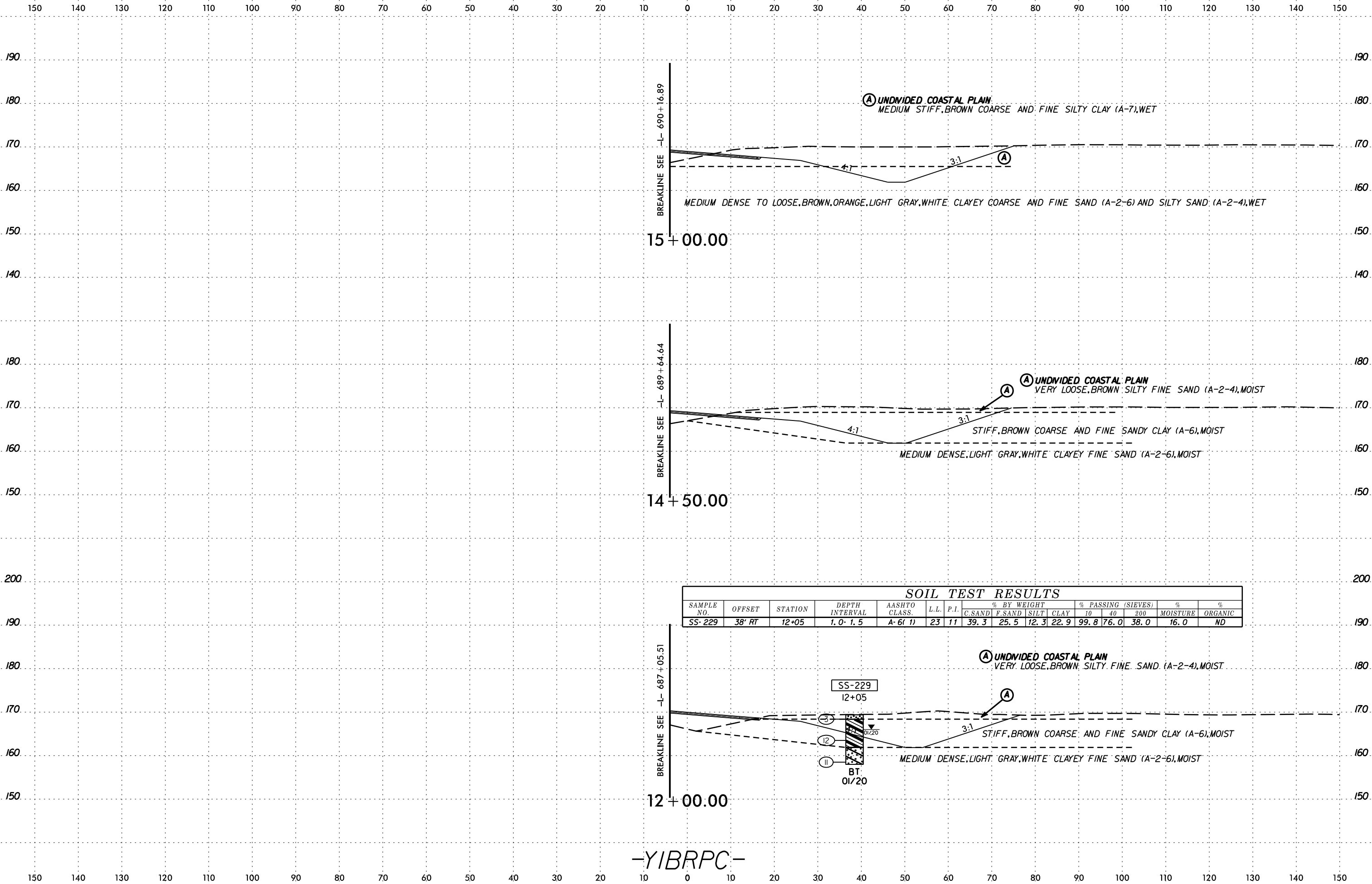
6/23/16
 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150
 220 210 200 190 180 170 160 150 140 130 120
 SS-207
 SS-208
 SS-209
 SS-210
 SS-211
 SS-212
 3:1 6:1 4:1
 24+04 173.75
 ROADWAY EMBANKMENT
 MEDIUM DENSE ORANGE GRAY SILTY SAND (A-2-4), MOIST
 UNDIVIDED COASTAL PLAIN
 SOFT TO STIFF, LIGHT BROWN, LIGHT
 GRAY COARSE AND FINE SANDY CLAY (A-6), MOIST
 MEDIUM DENSE TO DENSE, GRAY WHITE TO TAN FINE AND COARSE CLAYEY SAND (A-2-6) AND SAND (A-3), WET TO SAT.
 COASTAL PLAIN
 MEDIUM STIFF, LIGHT GRAY WITH LIGHT
 BROWN MOTTLING COARSE SANDY CLAY (A-6), (BLACK CREEK FORMATION), WET
 MEDIUM DENSE, WHITE GRAY AND TAN COARSE AND FINE SAND (A-3), SAT.
 BT 01/20
 24 + 00.00
 -YIBRPB-
 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

6/23/16



PROJ. REFERENCE NO.
1-5987B

SHEET NO.
294



SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-229	38' RT	12+05	1.0- 1.5	A-6(1)	23	11	39.3	25.5	12.3	22.9	99.8	76.0	38.0	16.0	ND

SS-229
12+05

③

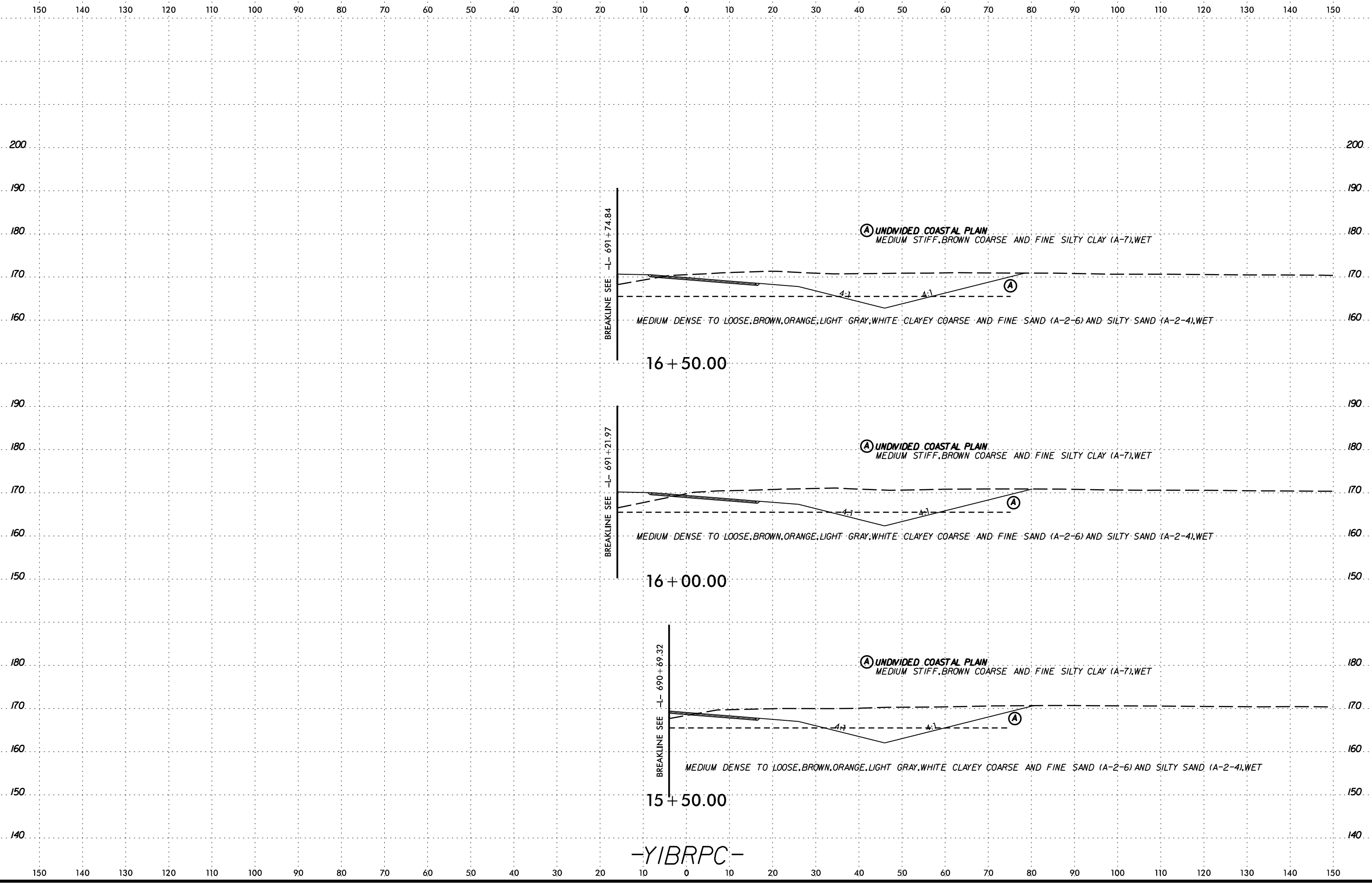
②

①

BT
01/20

-YIBRPC-

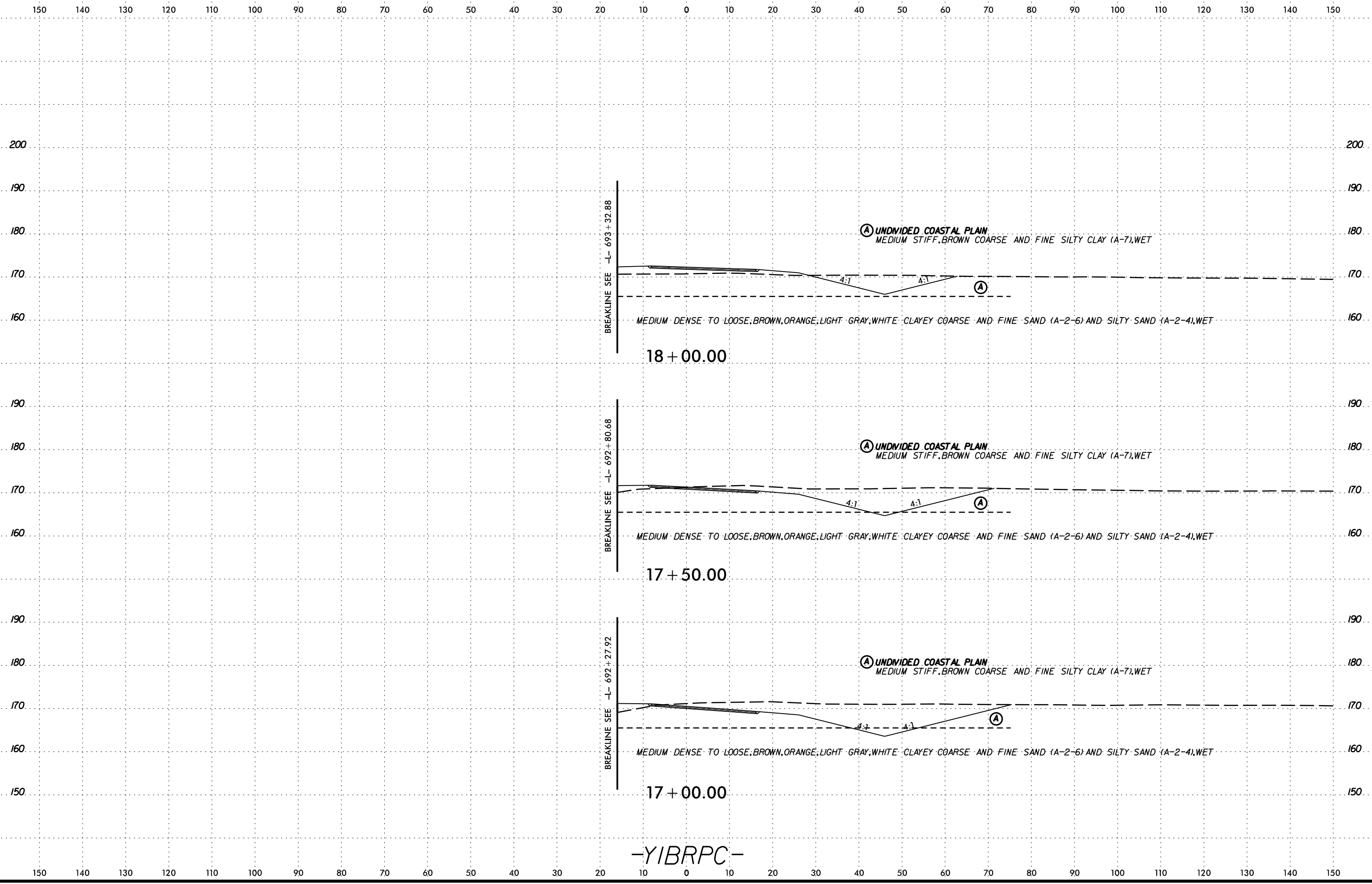
DATE: 6/23/16
BY: [Signature]
CHECKED: [Signature]
SCALE: AS SHOWN
PROJECT: [Project Name]



-YIBRPC-

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6/23/16



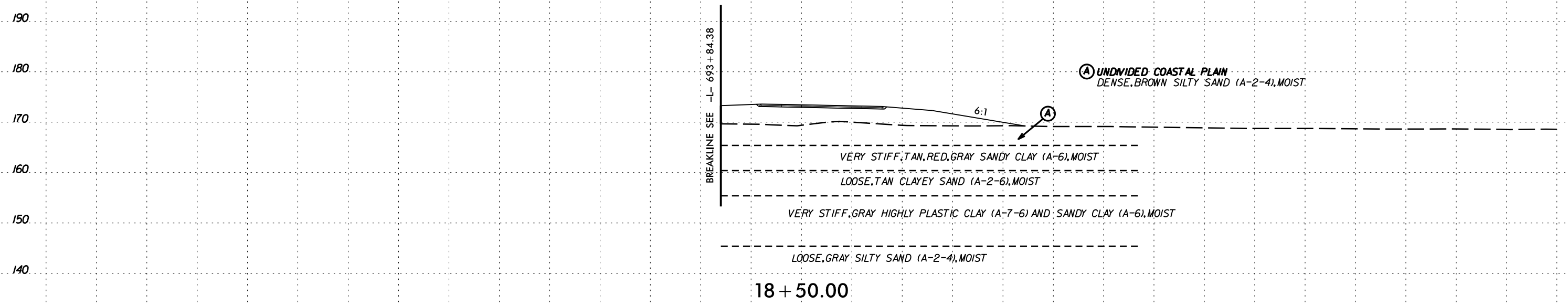
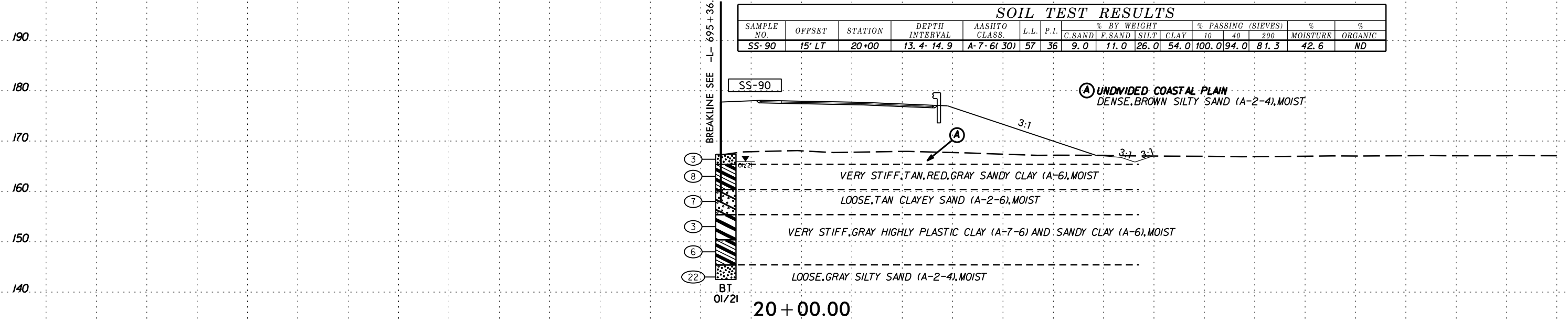
-YIBRPC-

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150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

200 190 180 170 160 150 140 190 180 170 160 150 140 190 180 170 160 150 140



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

-YIBRPC-

SCHEMATIC CROSS SECTION OF BORING

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

200 200

190 190

180 180

170 170

160 160

150 150

200 200

190 190

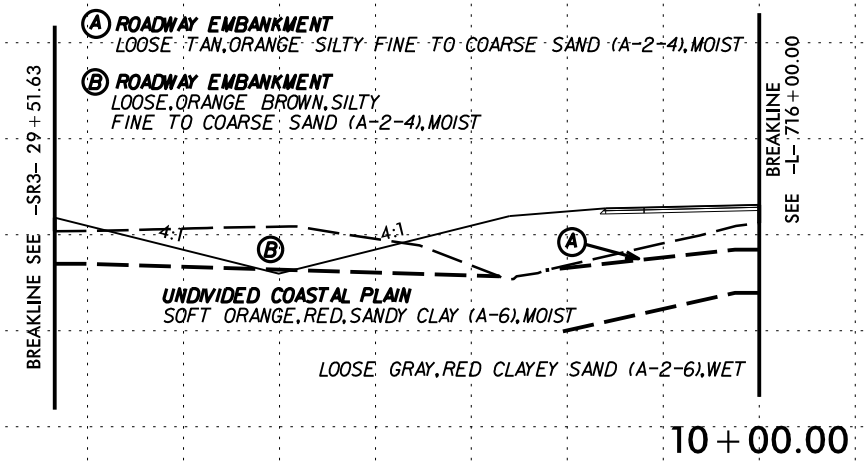
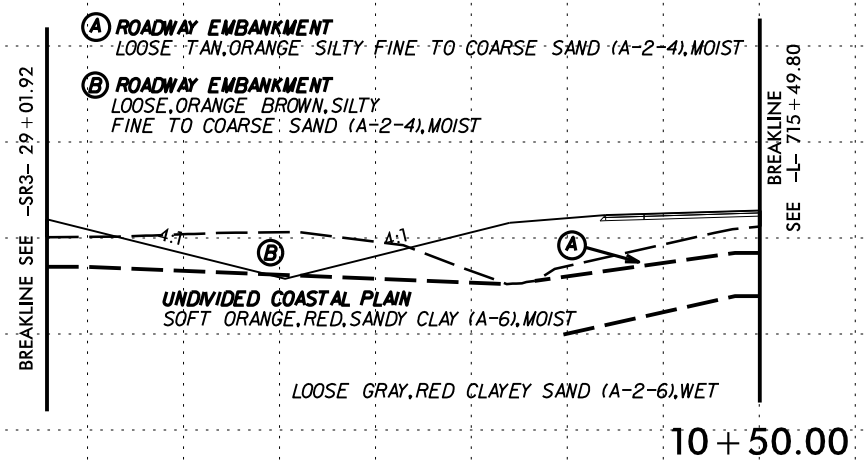
180 180

170 170

160 160

150 150

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



-YIBRPD-

SYTIME
CON
JUL
BRNAVE

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

210 210

200 200

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-19	1' LT	11+50	3.3-4.8	A-6(4)	40	15	35.0	21.0	9.0	35.0	99.0	75.0	47.7	23.2	ND

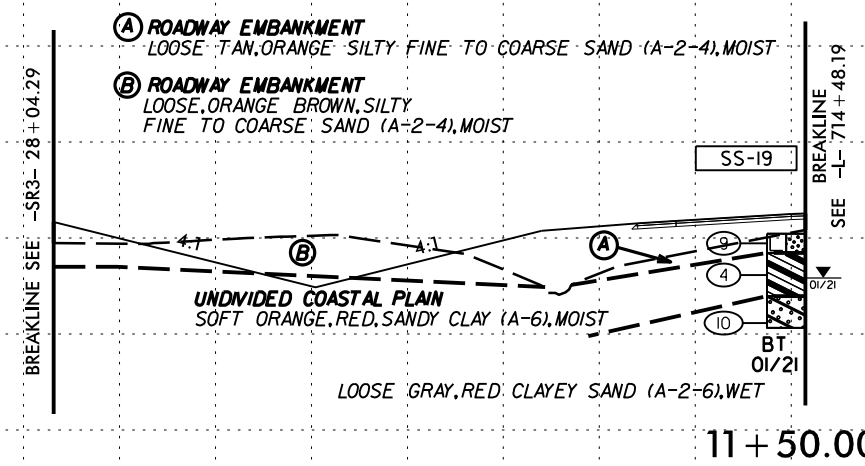
190 190

180 180

170 170

160 160

150 150



200 200

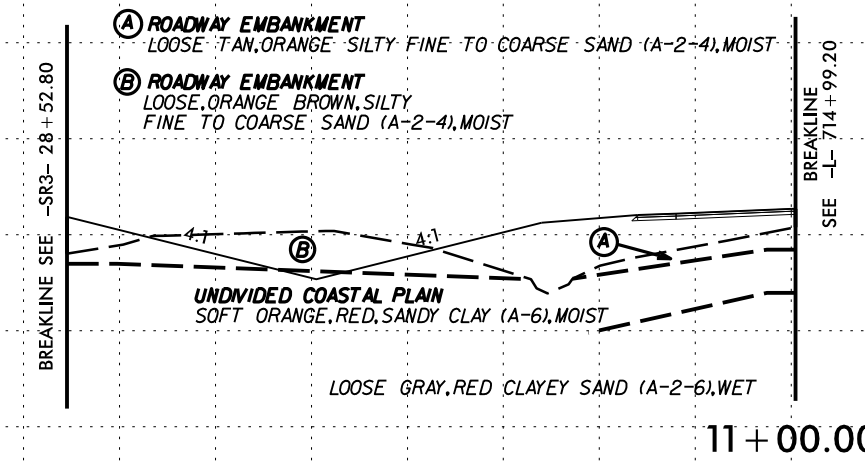
190 190

180 180

170 170

160 160

150 150



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

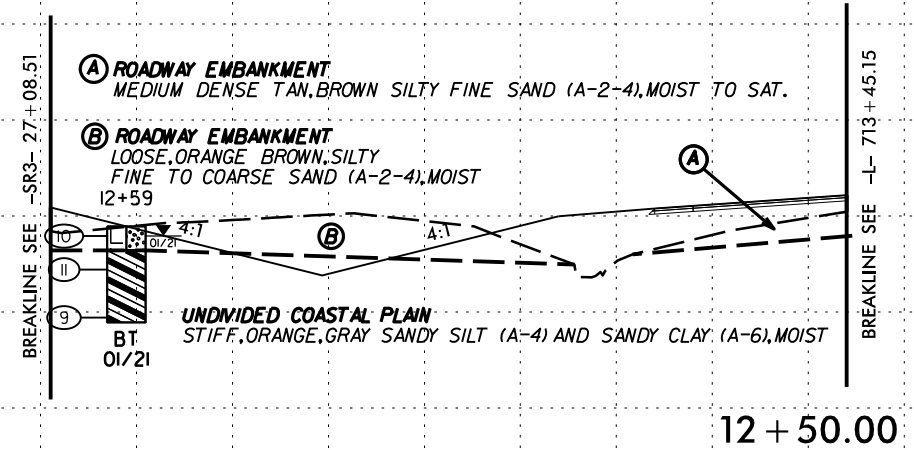
-YIBRPD-

SYSTEMS
 DESIGN
 CONSULTING
 INC.
 1100
 11TH
 AVENUE
 SUITE
 100
 DENVER,
 CO 80202
 (303) 733-8800
 WWW.YIBRPD.COM

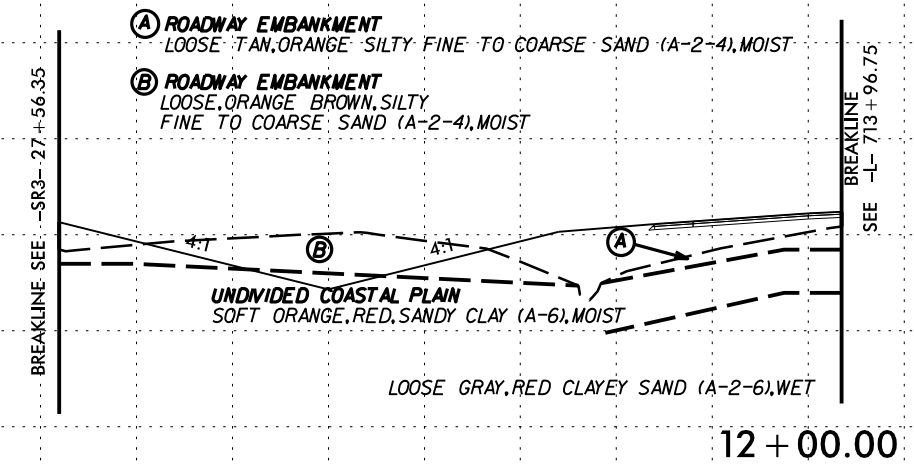


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200 190 180 170 160 150



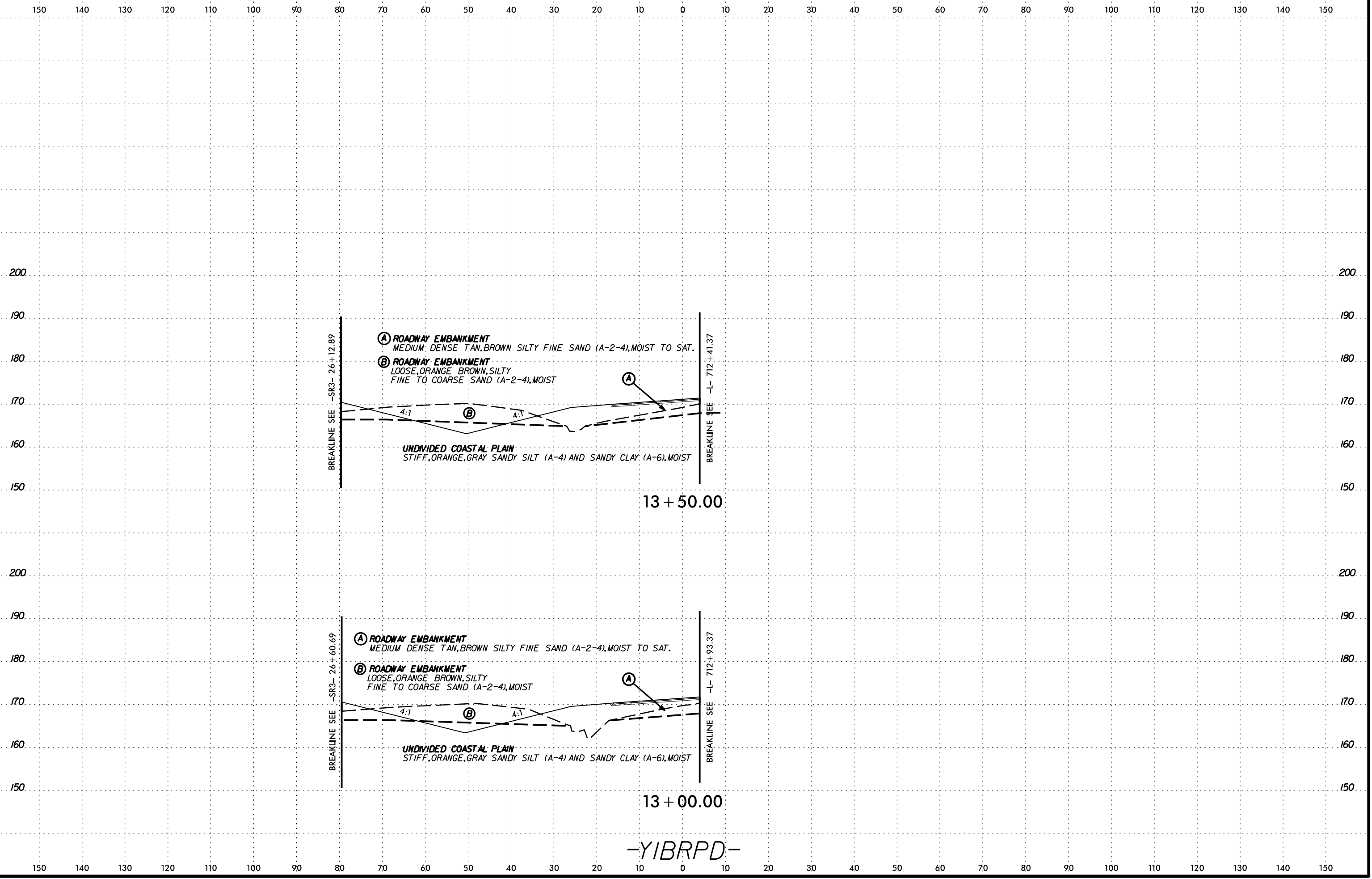
200 190 180 170 160 150



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

-YIBRPD-

SYTIME
CON
ORNAE



BREAKLINE SEE -SR3- 26+12.89

(A) ROADWAY EMBANKMENT
MEDIUM DENSE TAN. BROWN SILTY FINE SAND (A-2-4), MOIST TO SAT.

(B) ROADWAY EMBANKMENT
LOOSE, ORANGE BROWN, SILTY FINE TO COARSE SAND (A-2-4), MOIST

UNDIVIDED COASTAL PLAIN
STIFF, ORANGE, GRAY SANDY SILT (A-4) AND SANDY CLAY (A-6), MOIST

BREAKLINE SEE -L- 712+41.37

13 + 50.00

BREAKLINE SEE -SR3- 26+60.69

(A) ROADWAY EMBANKMENT
MEDIUM DENSE TAN. BROWN SILTY FINE SAND (A-2-4), MOIST TO SAT.

(B) ROADWAY EMBANKMENT
LOOSE, ORANGE BROWN, SILTY FINE TO COARSE SAND (A-2-4), MOIST

UNDIVIDED COASTAL PLAIN
STIFF, ORANGE, GRAY SANDY SILT (A-4) AND SANDY CLAY (A-6), MOIST

BREAKLINE SEE -L- 712+93.37

13 + 00.00

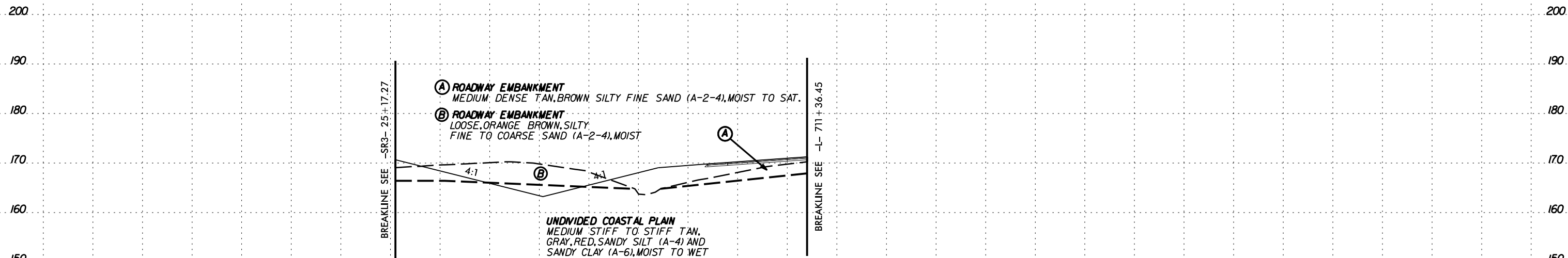
-YIBRPD-

SYTIME
CON
JUL
BRNAVE

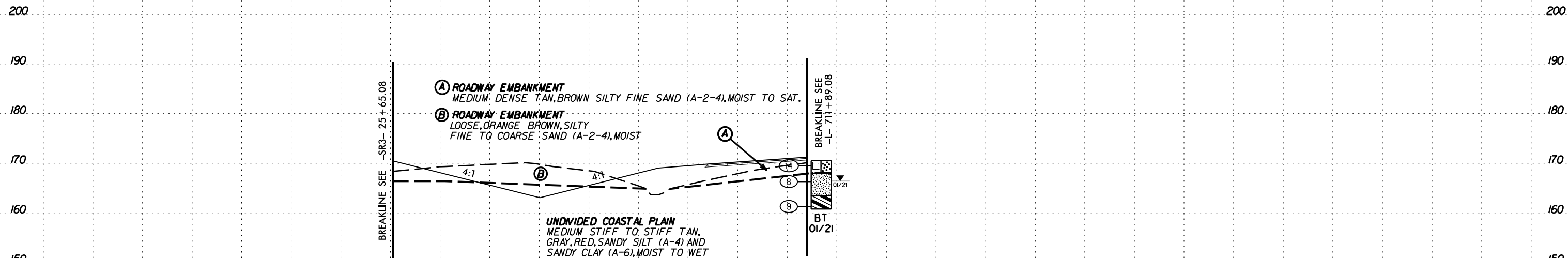
6/23/16



150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



14 + 50.00

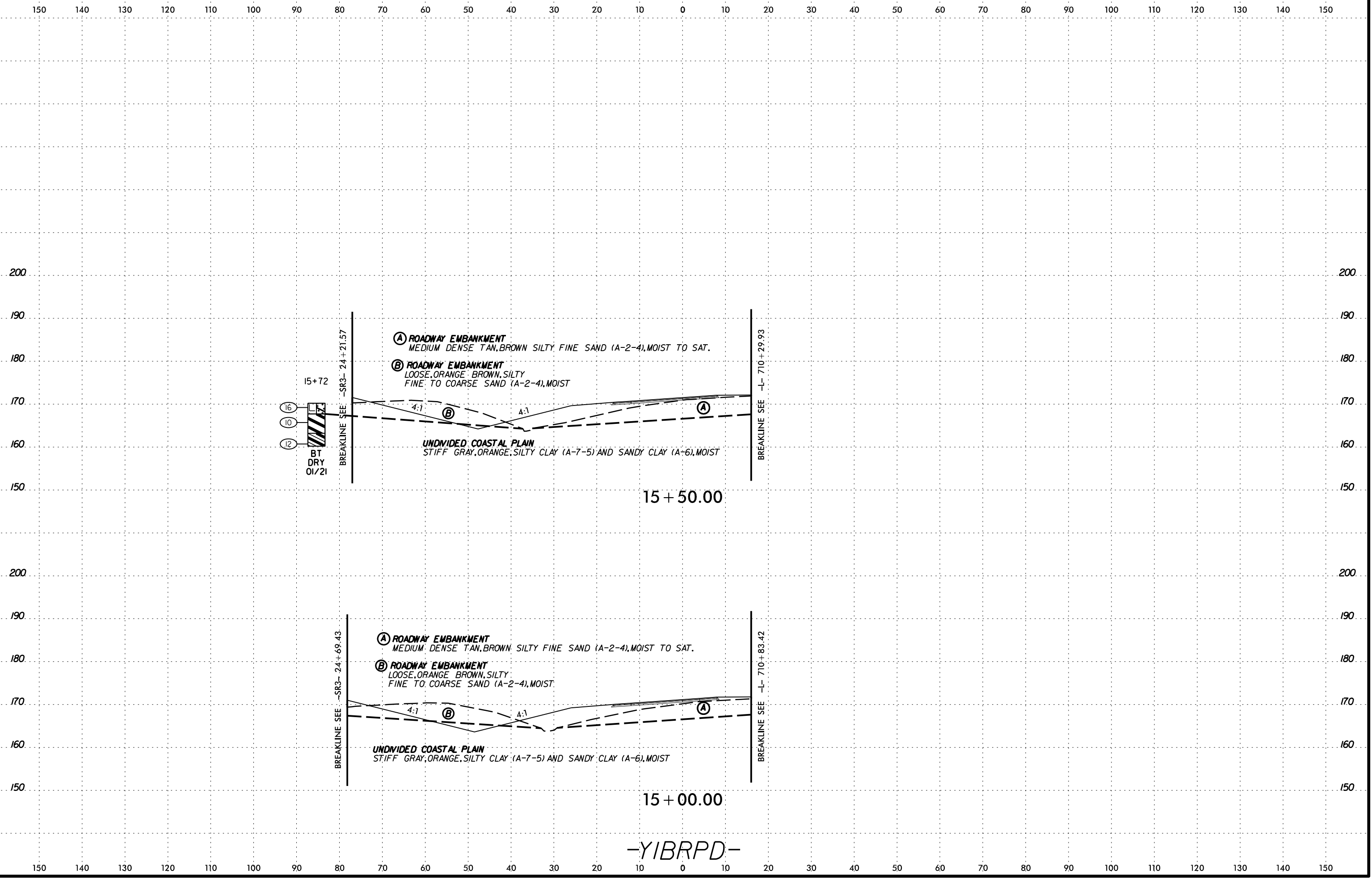


14 + 00.00

-YIBRPD-

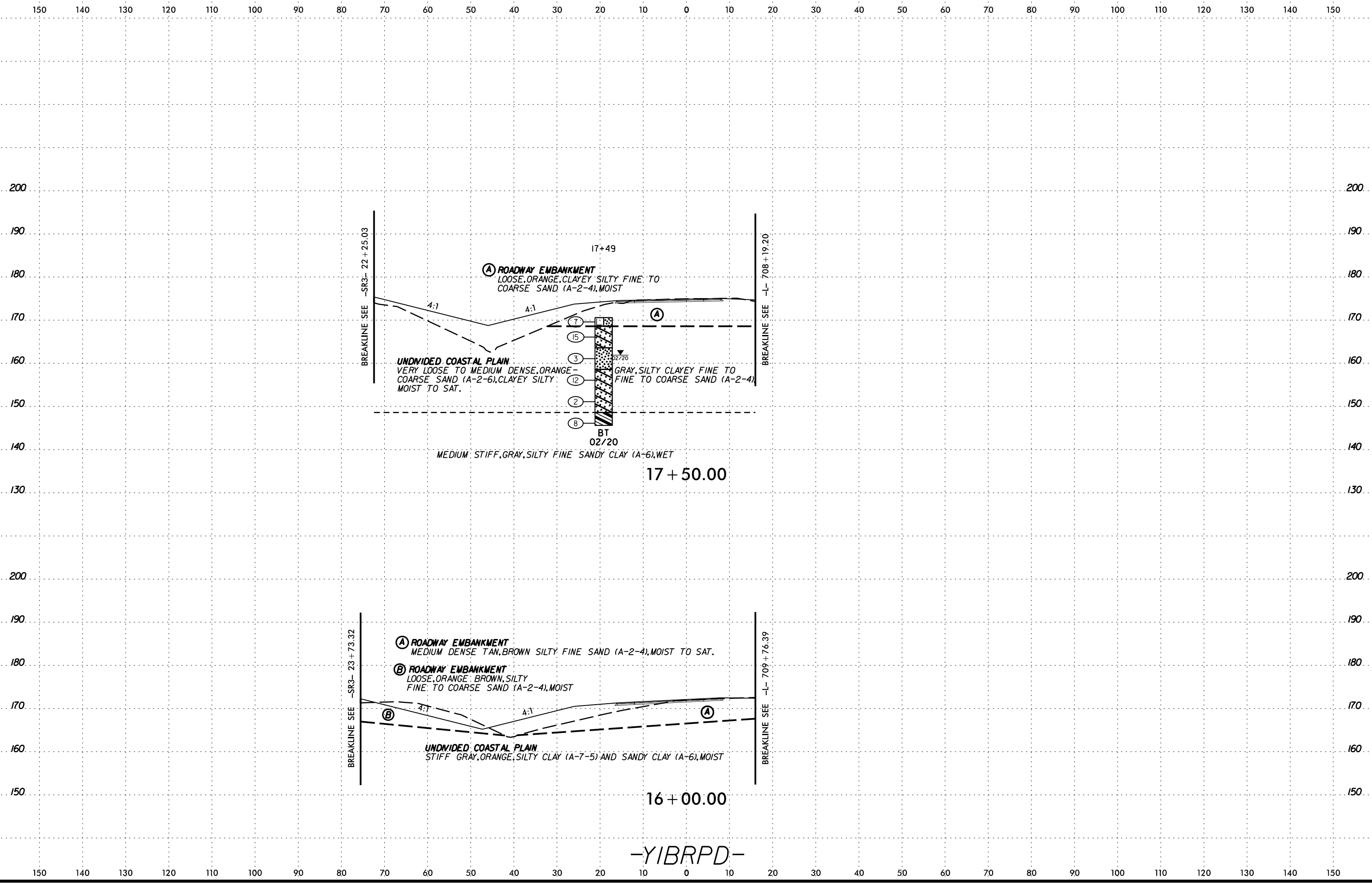
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SYTIME 2016/06/23 11:30:00



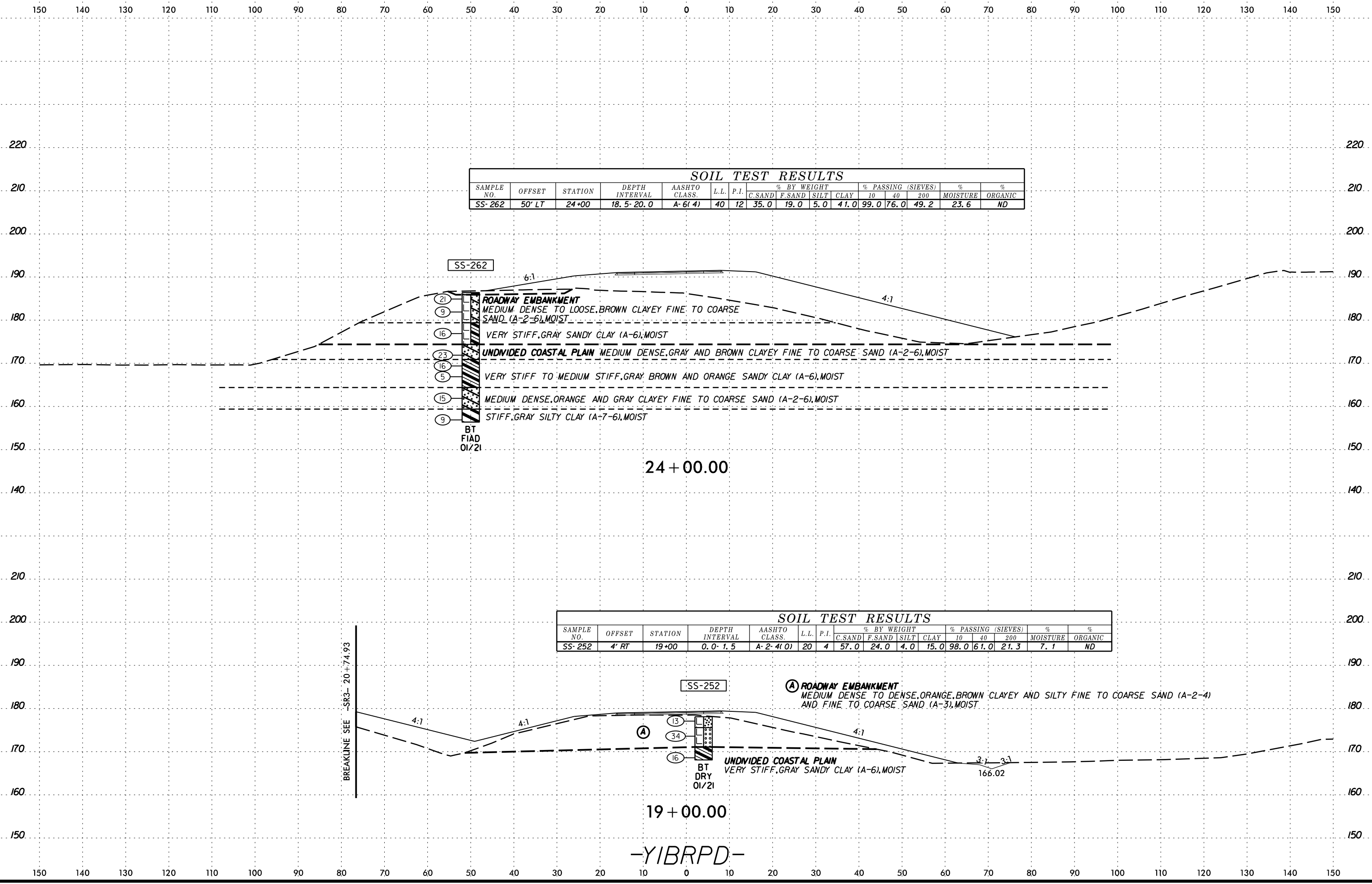
SYTIME
CON
JUL
BRNAVE

6/23/16



-YIBRPD-

SYTIME
CON
JUL
ARRIVE



SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			%	
							C.SAND	F.SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC
SS-262	50' LT	24+00	18.5-20.0	A-6(4)	40	12	35.0	19.0	5.0	41.0	99.0	76.0	49.2	23.6	ND

SOIL TEST RESULTS

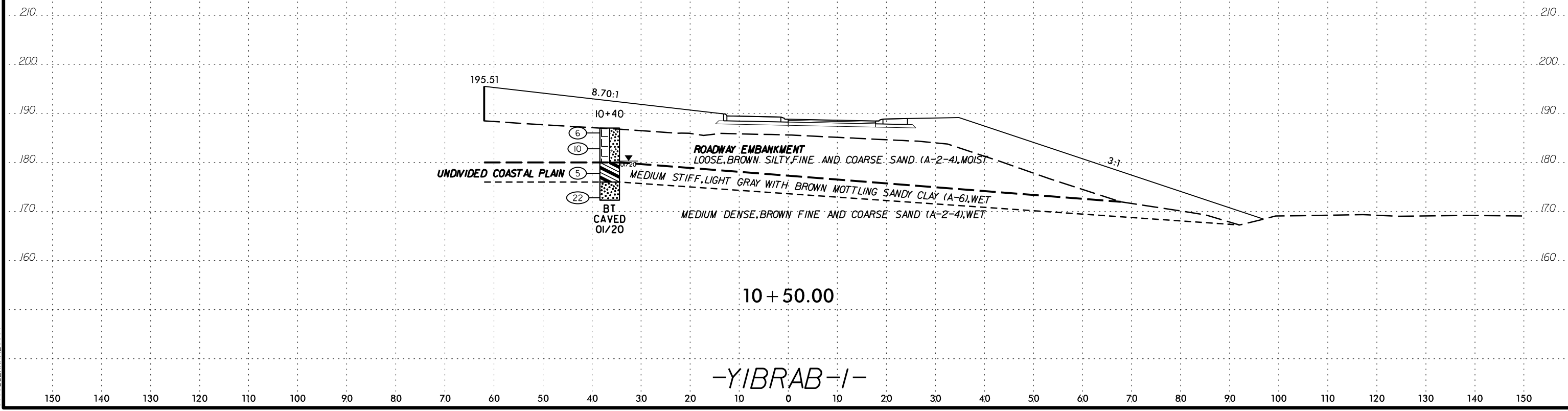
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			%	
							C.SAND	F.SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC
SS-252	4' RT	19+00	0.0-1.5	A-2-4(0)	20	4	57.0	24.0	4.0	15.0	98.0	61.0	21.3	7.1	ND

BREAKLINE SEE -SR3-20+74.93

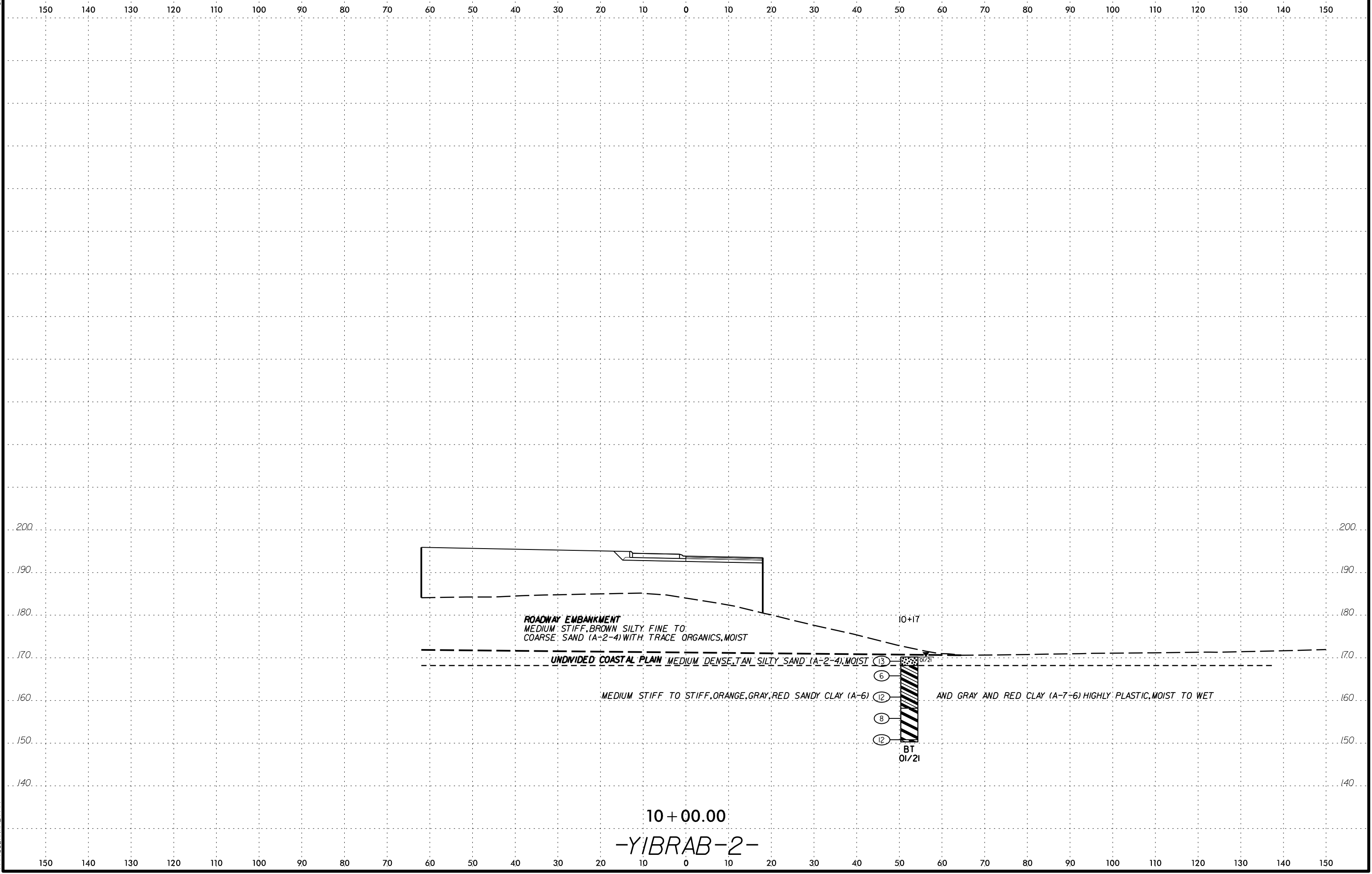
-YIBRPD-

6/23/16

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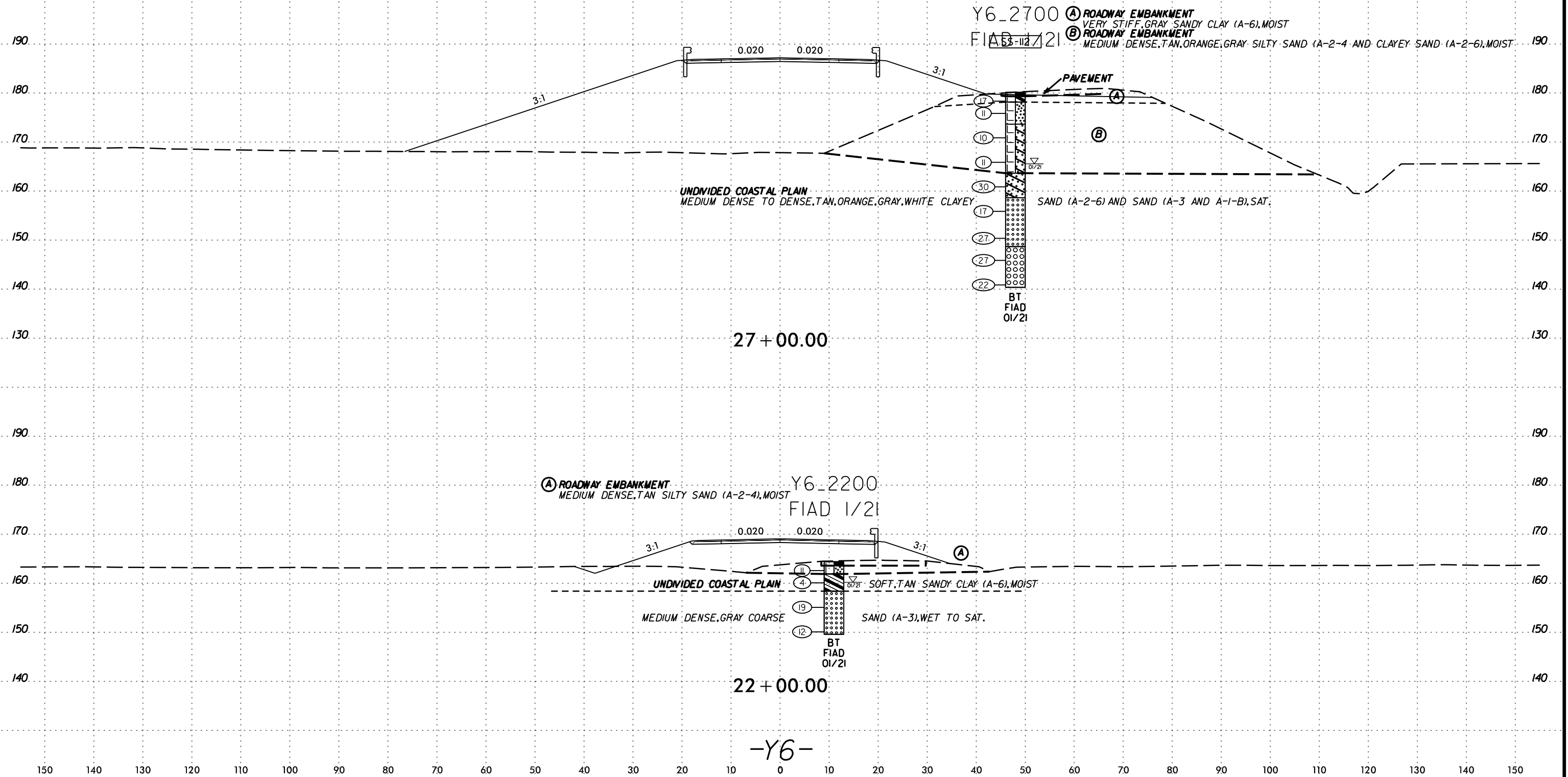
DATE: 6/23/16
 DRAWN BY: [illegible]
 CHECKED BY: [illegible]
 APPROVED BY: [illegible]



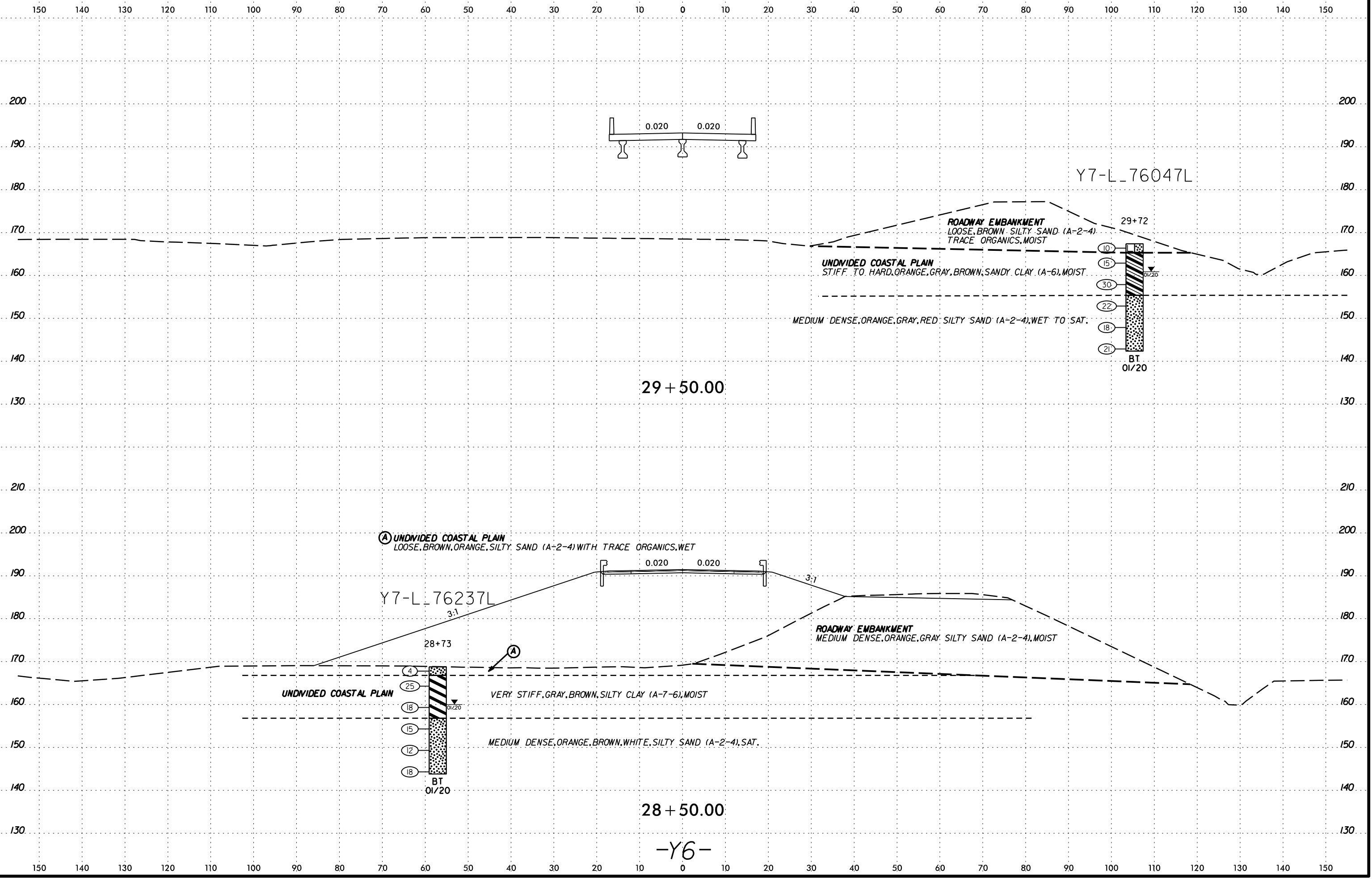
DATE: 6/23/16
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 APPROVED BY: [illegible]

6/23/16

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-112	48' RT	27+00	8.3-9.8	A-2-6(0)	29	11	41.0	32.0	5.0	22.0	97.0	71.0	30.0	12.8	ND



6/23/16



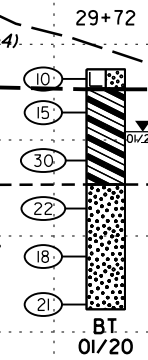
29 + 50.00

Y7-L_76047L

ROADWAY EMBANKMENT
 LOOSE, BROWN SILTY SAND (A-2-4)
 TRACE ORGANICS, MOIST

UNDIVIDED COASTAL PLAIN
 STIFF TO HARD, ORANGE, GRAY, BROWN, SANDY CLAY (A-6), MOIST

MEDIUM DENSE, ORANGE, GRAY, RED SILTY SAND (A-2-4), WET TO SAT.



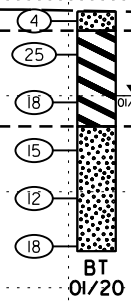
UNDIVIDED COASTAL PLAIN
 LOOSE, BROWN, ORANGE, SILTY SAND (A-2-4) WITH TRACE ORGANICS, WET

Y7-L_76237L

ROADWAY EMBANKMENT
 MEDIUM DENSE, ORANGE, GRAY SILTY SAND (A-2-4), MOIST

UNDIVIDED COASTAL PLAIN
 VERY STIFF, GRAY, BROWN, SILTY CLAY (A-7-6), MOIST

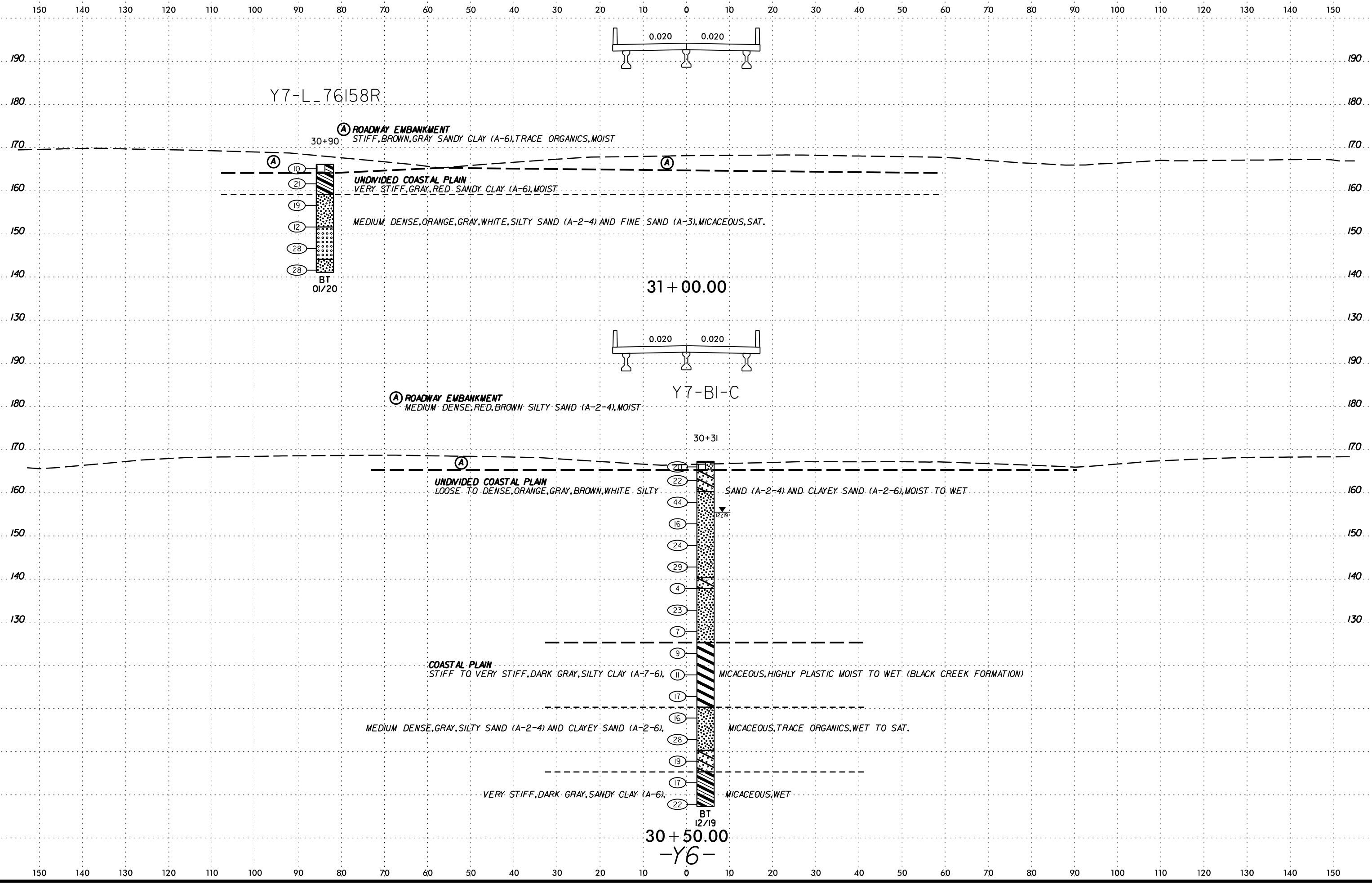
MEDIUM DENSE, ORANGE, BROWN, WHITE, SILTY SAND (A-2-4), SAT.



28 + 50.00

-Y6-

SCHEMATIC CONNECTIONS TO SHEET 308



Y7-L_76158R

31 + 00.00

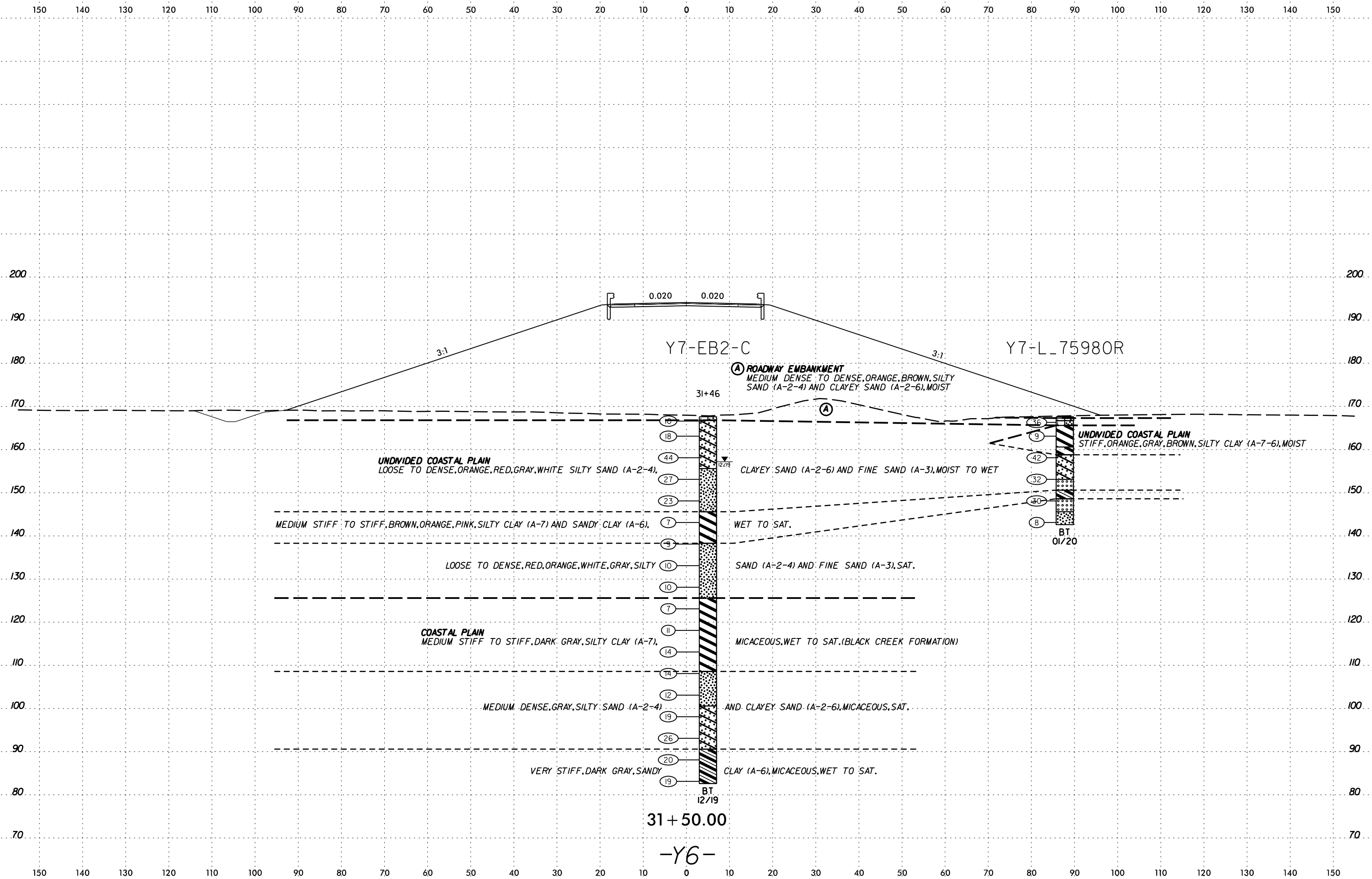
Y7-BI-C

30 + 50.00

-Y6-

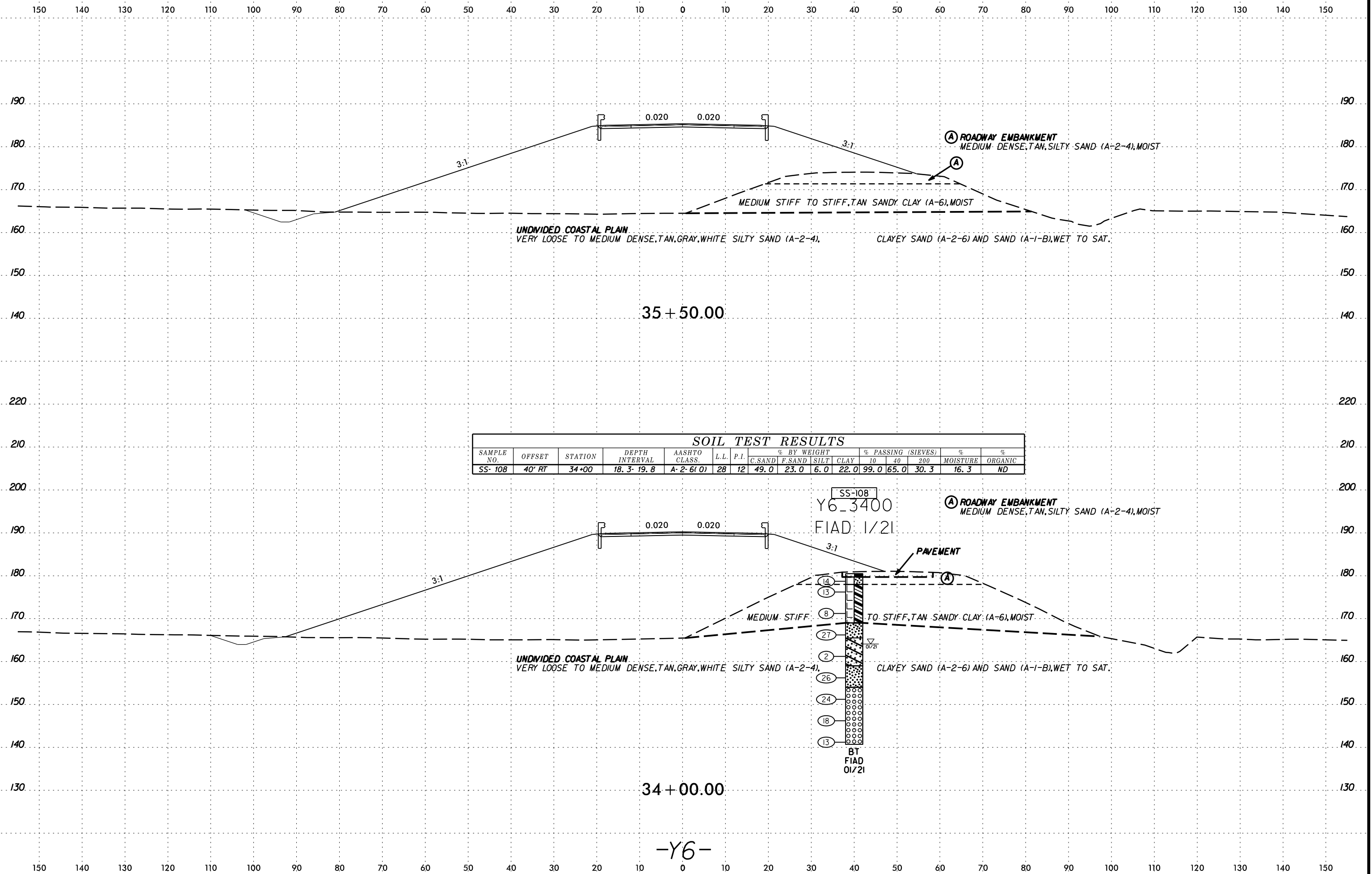
SYTIME
CON
ARRANGEMENT

6/23/16

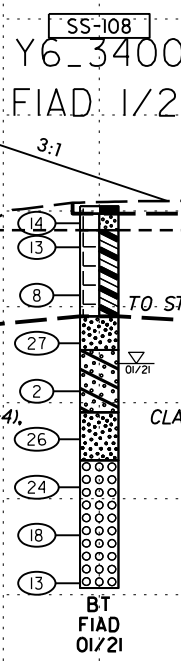


SCALE 1"=20'

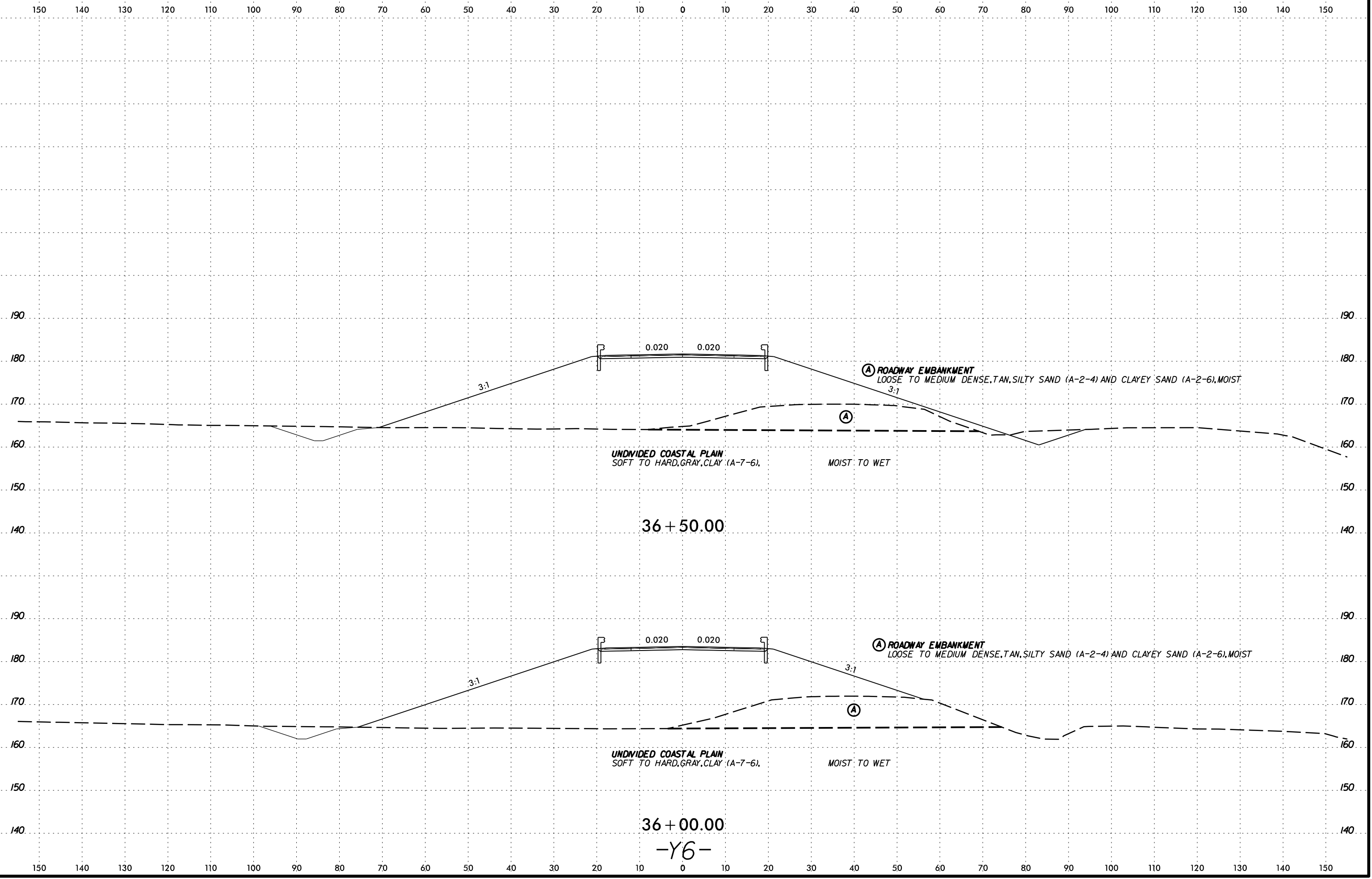
6/23/16



SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-108	40' RT	34+00	18.3-19.8	A-2-6(0)	28	12	49.0	23.0	6.0	22.0	99.0	65.0	30.3	16.3	ND



6/23/16



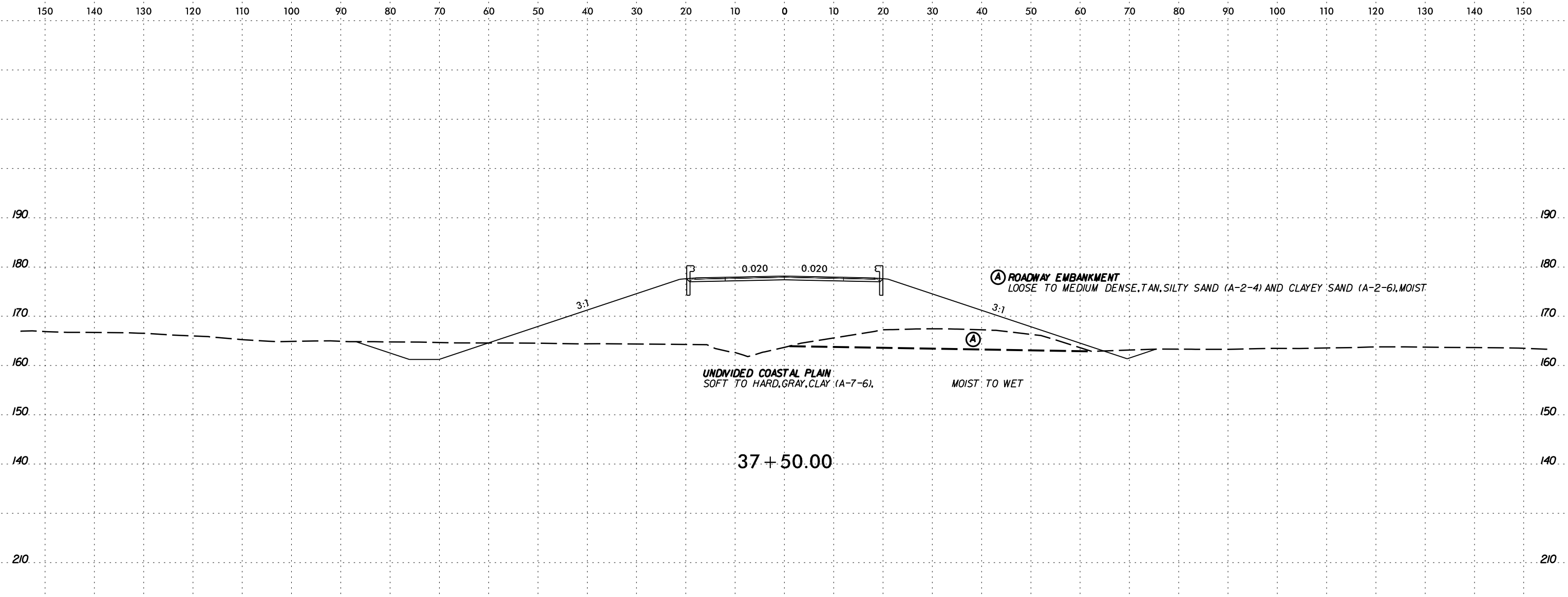
SCHEMATIC CROSS SECTION
DATE: 6/23/16
BY: J. W. BRYAN

36 + 50.00

36 + 00.00

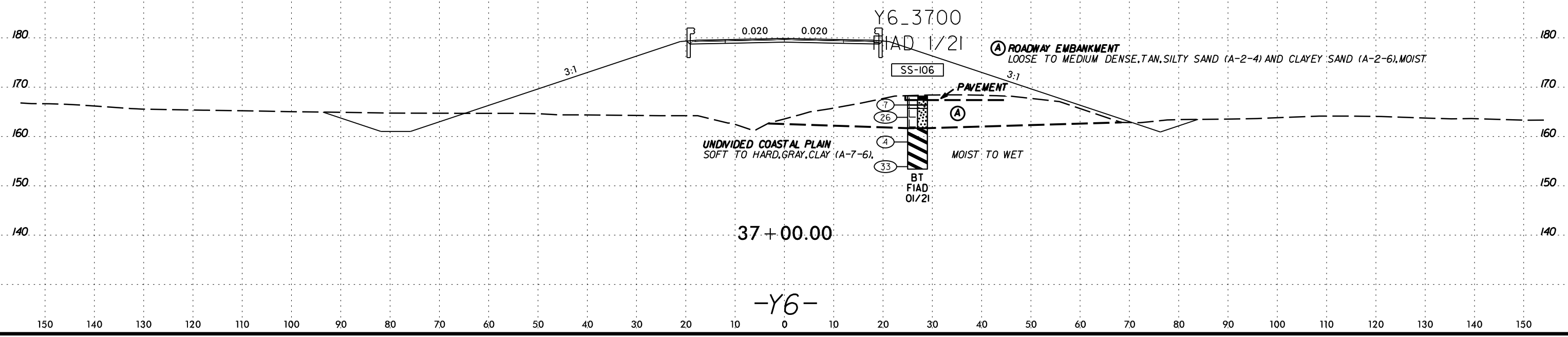
-Y6-

6/23/16



SOIL TEST RESULTS

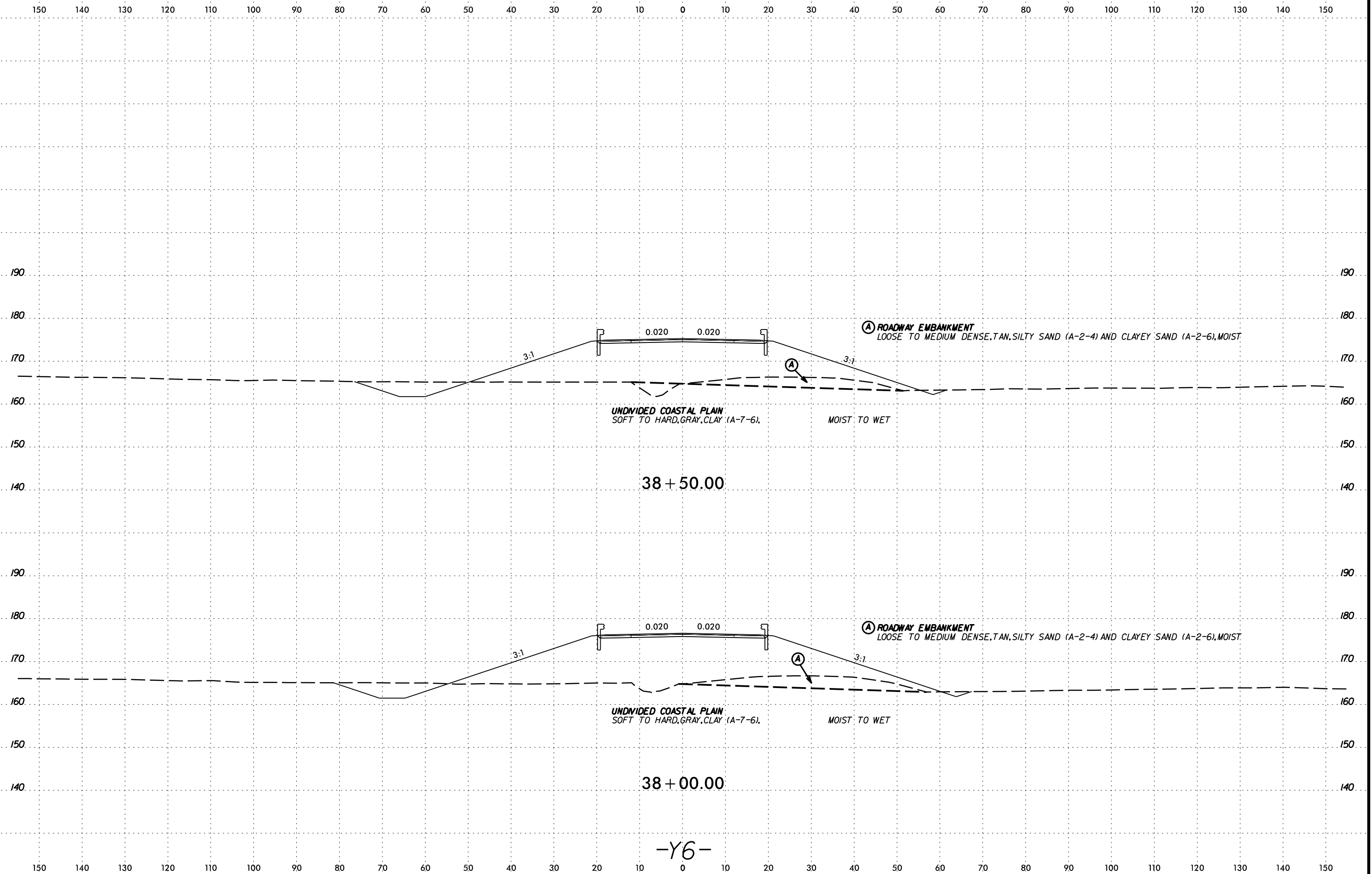
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-106	27' RT	37+00	13.3-14.8	A-7-6(17)	44	23	10.0	21.0	20.0	49.0	100.0	94.0	74.8	12.2	ND



DATE PLOTTED: 6/23/16

-Y6-

6/23/16
SECTION
PLAN
VIEW
DATE
BY
CHECKED
DATE
BY



-Y6-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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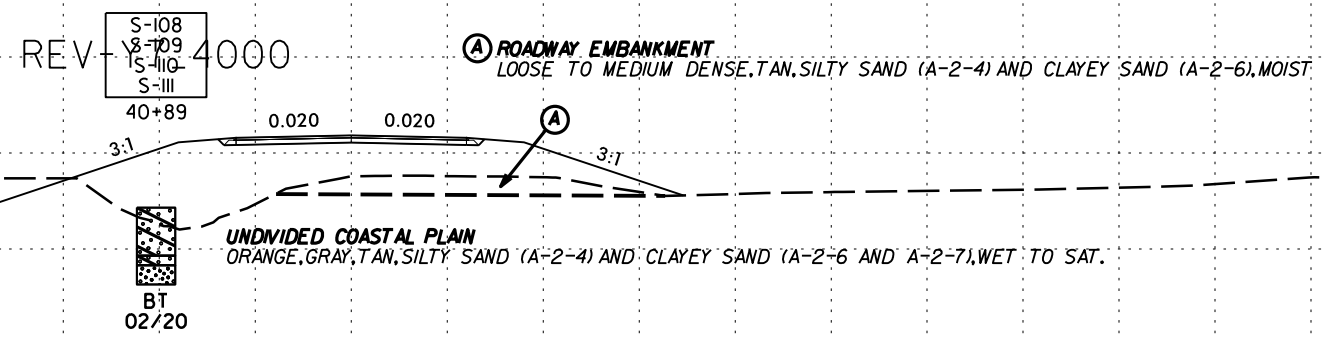
150

150

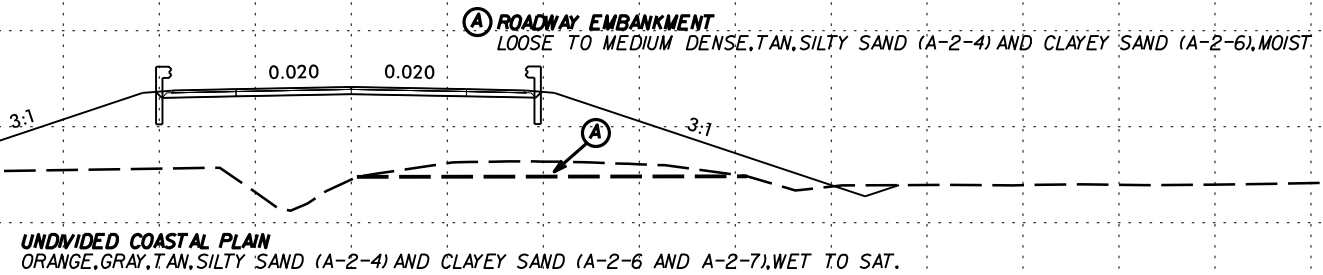
140

140

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
S-108	20' LT	40+89	0.0-1.0	A-2-6(2)	38	23	44.4	25.1	6.9	23.6	96.6	67.0	33.0	19.0	ND
S-109	20' LT	40+89	5.0-6.0	A-2-7(3)	45	27	54.1	16.8	3.0	26.1	98.4	61.0	30.0	-	ND
S-110	20' LT	40+89	6.0-7.0	A-2-4(0)	NP	NP	76.1	10.9	2.0	11.0	99.7	72.0	13.0	-	ND
S-111	20' LT	40+89	7.0-8.0	A-2-4(0)	24	7	81.6	8.6	4.0	5.8	83.1	30.0	10.0	-	ND



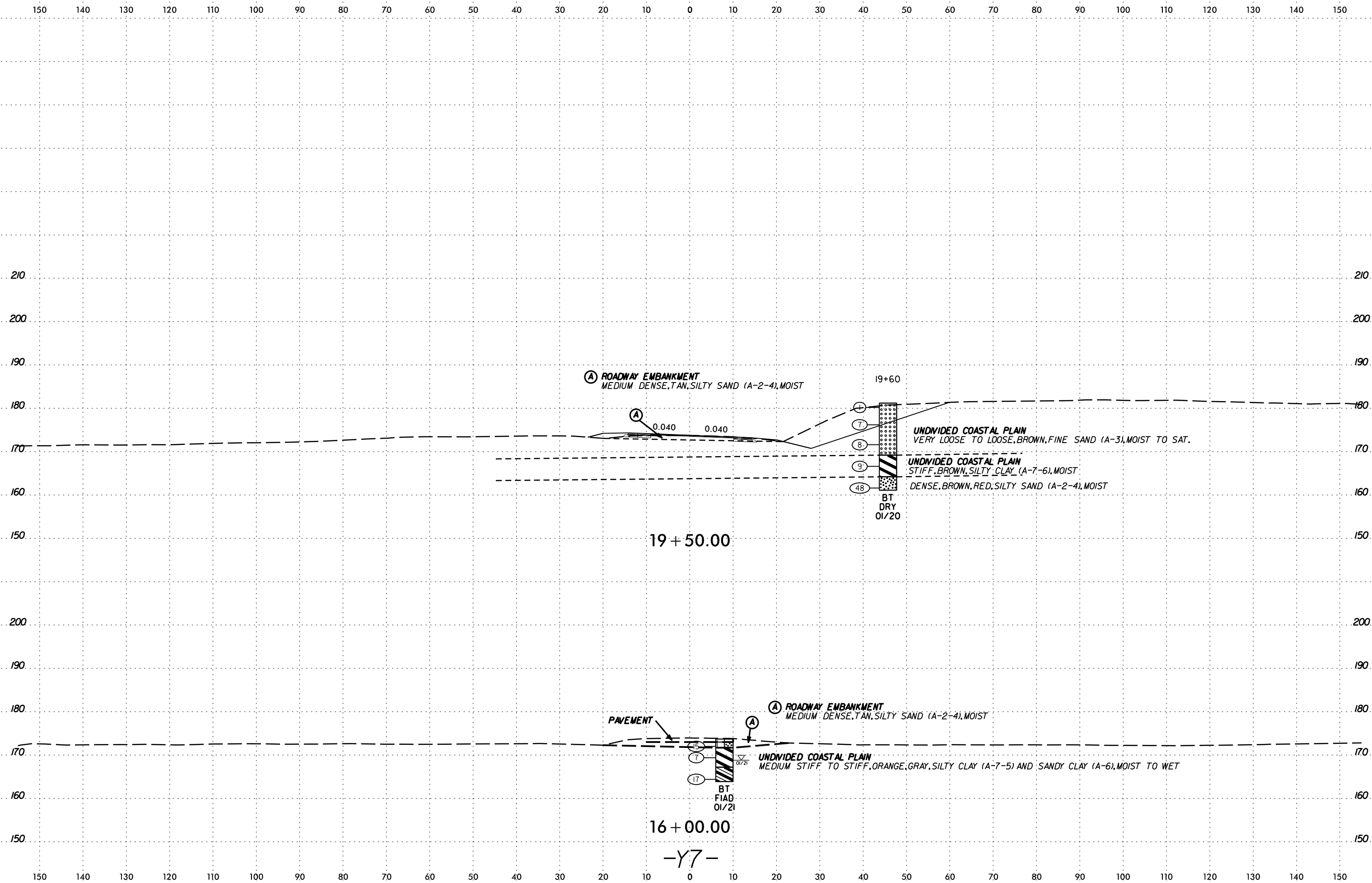
41 + 00.00



39 + 00.00

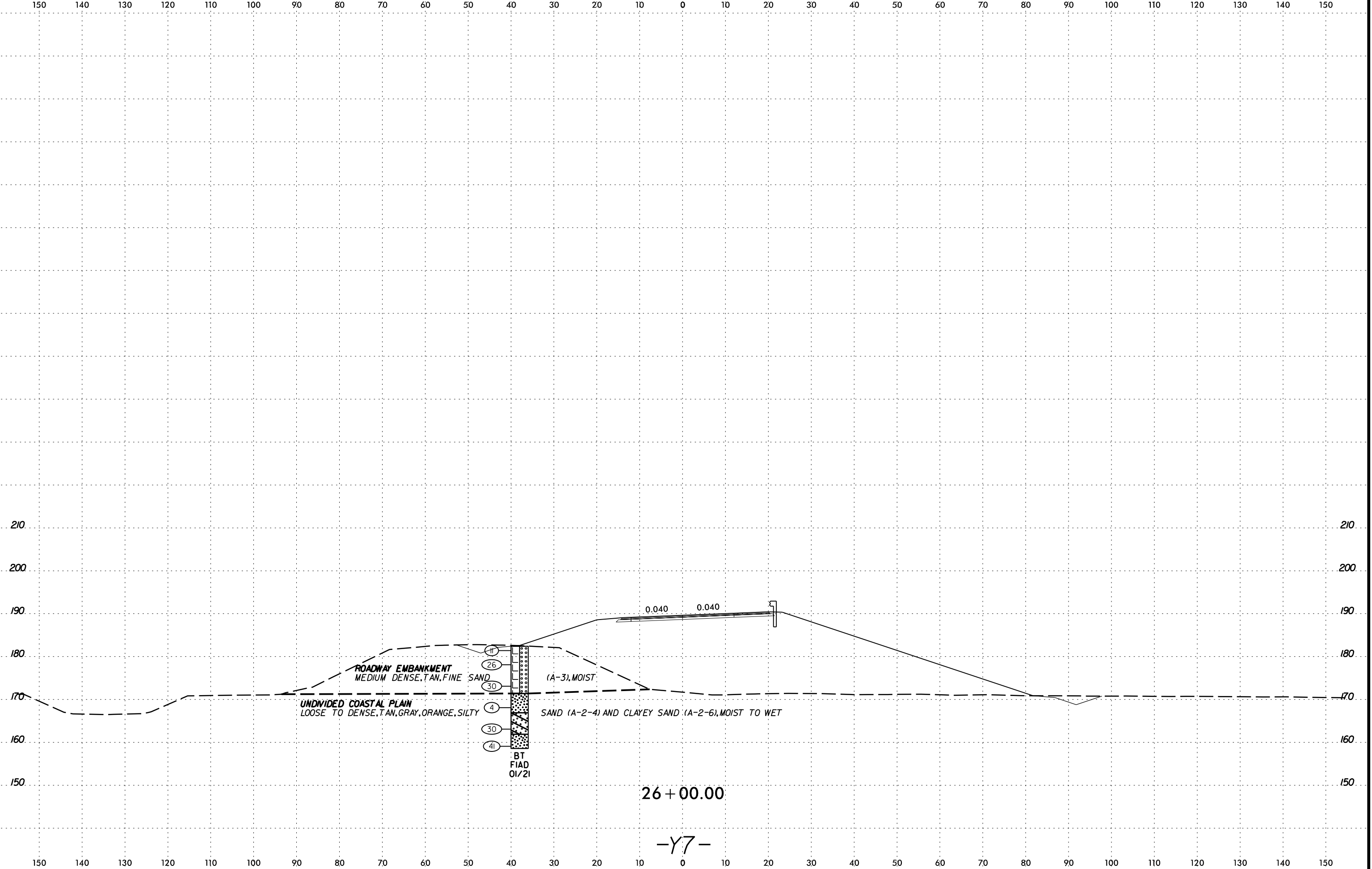
-Y6-

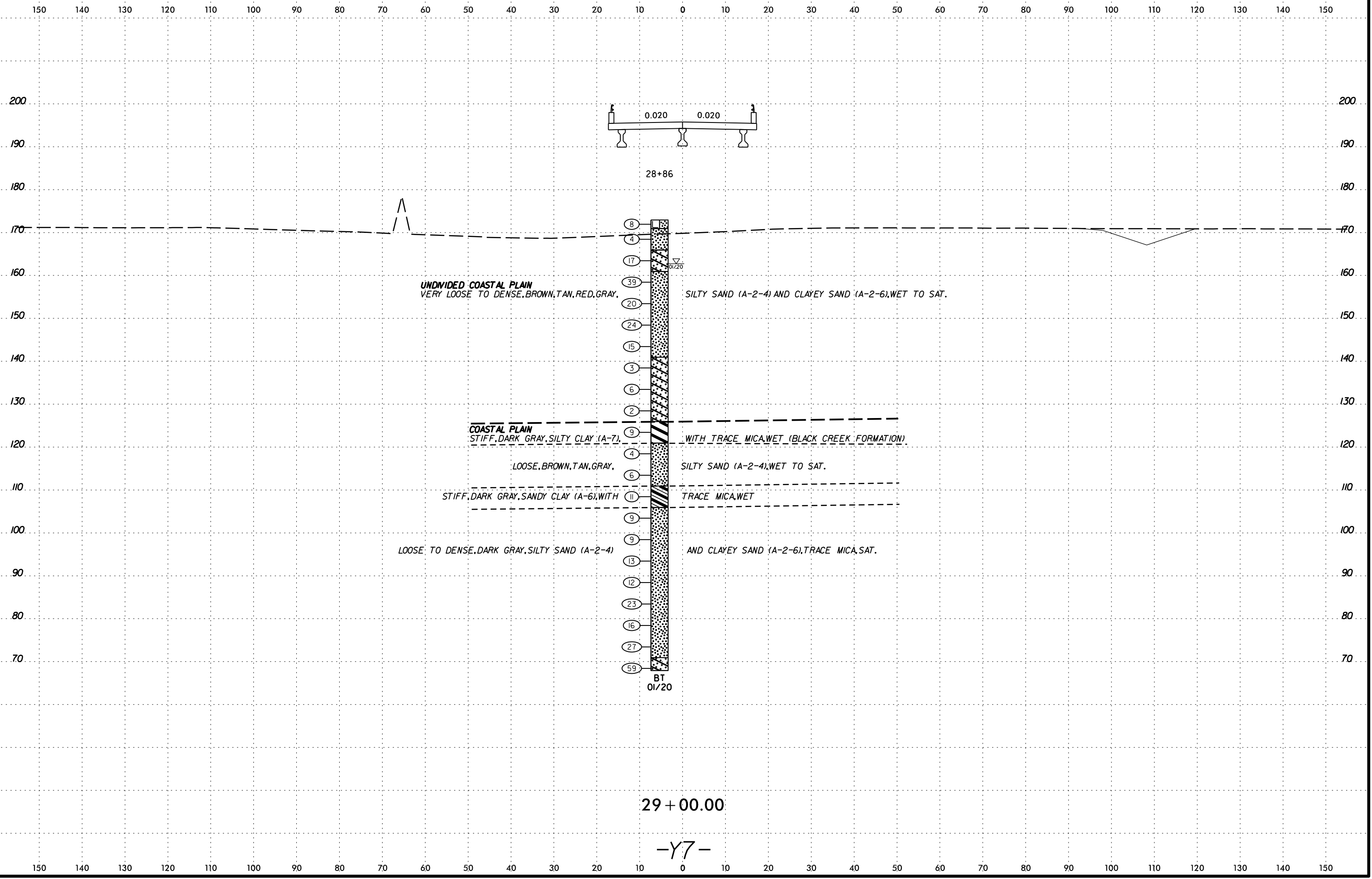
DATE PLOTTED: 06/23/16 10:58 AM



SYTIME
CON
ARRIVE

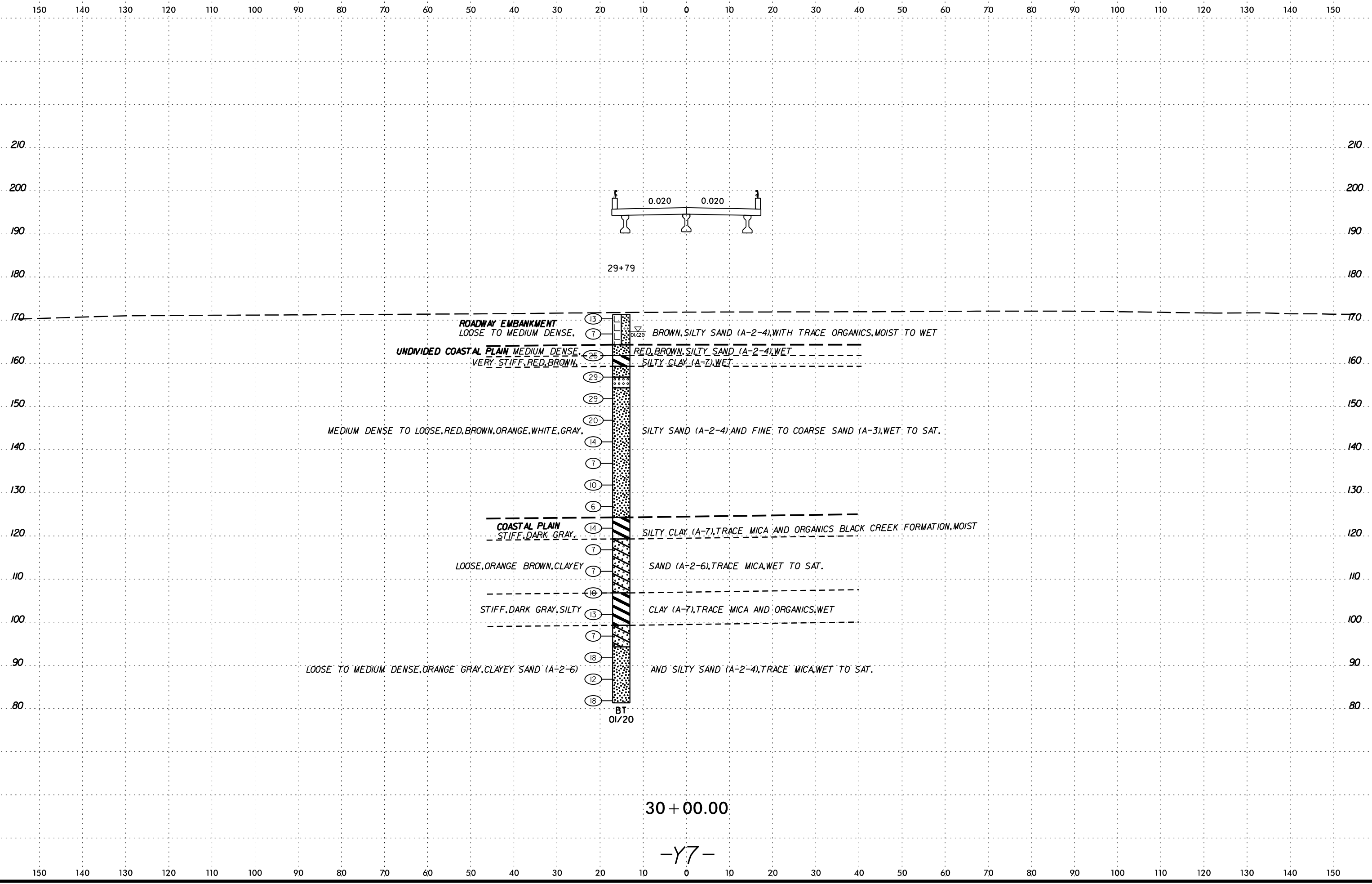
6/23/16
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DATE: 6/23/16
DRAWN BY: [illegible]
CHECKED BY: [illegible]
SCALE: AS SHOWN

6/23/16



29+79

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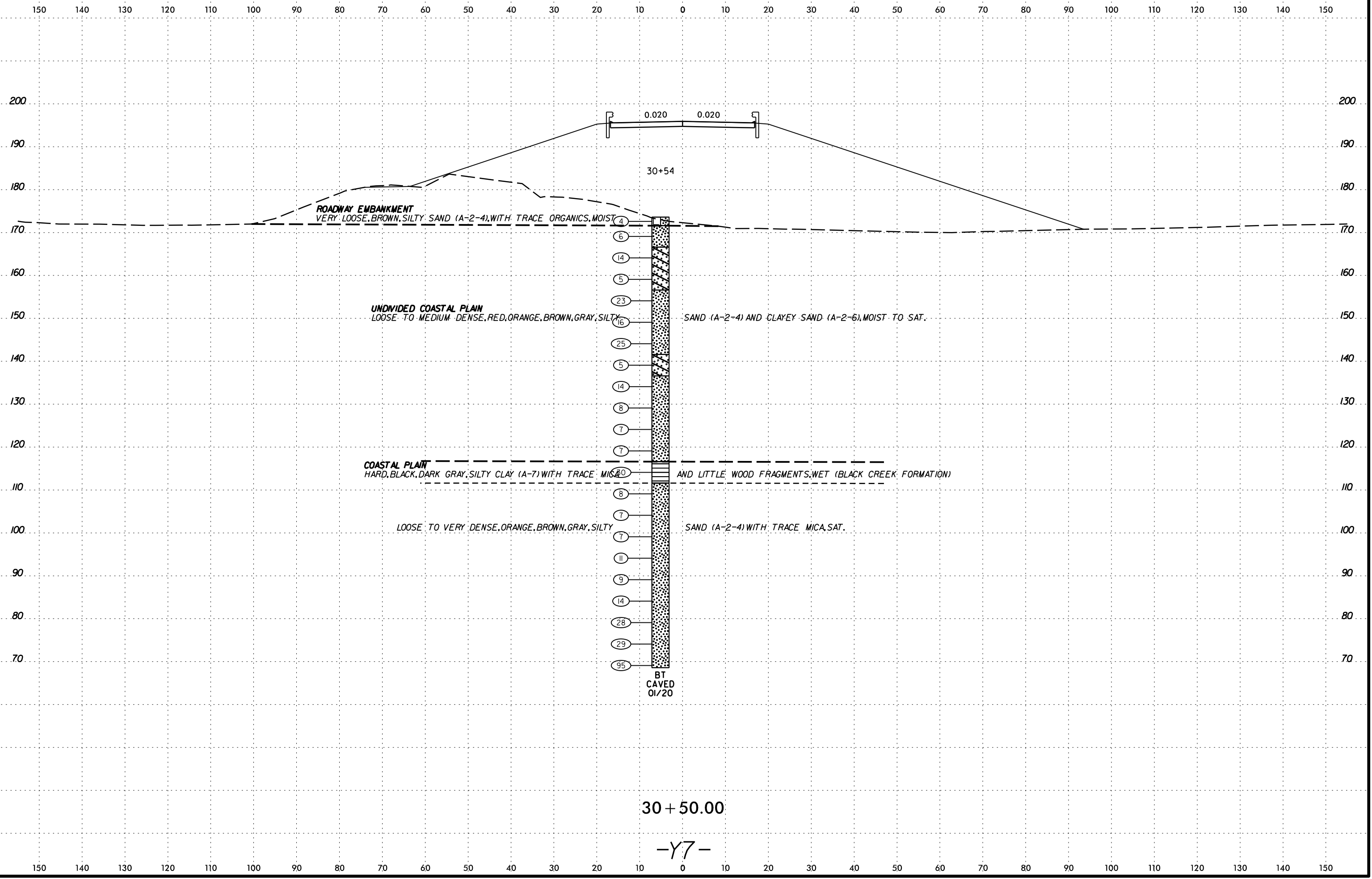
01/20

30 + 00.00

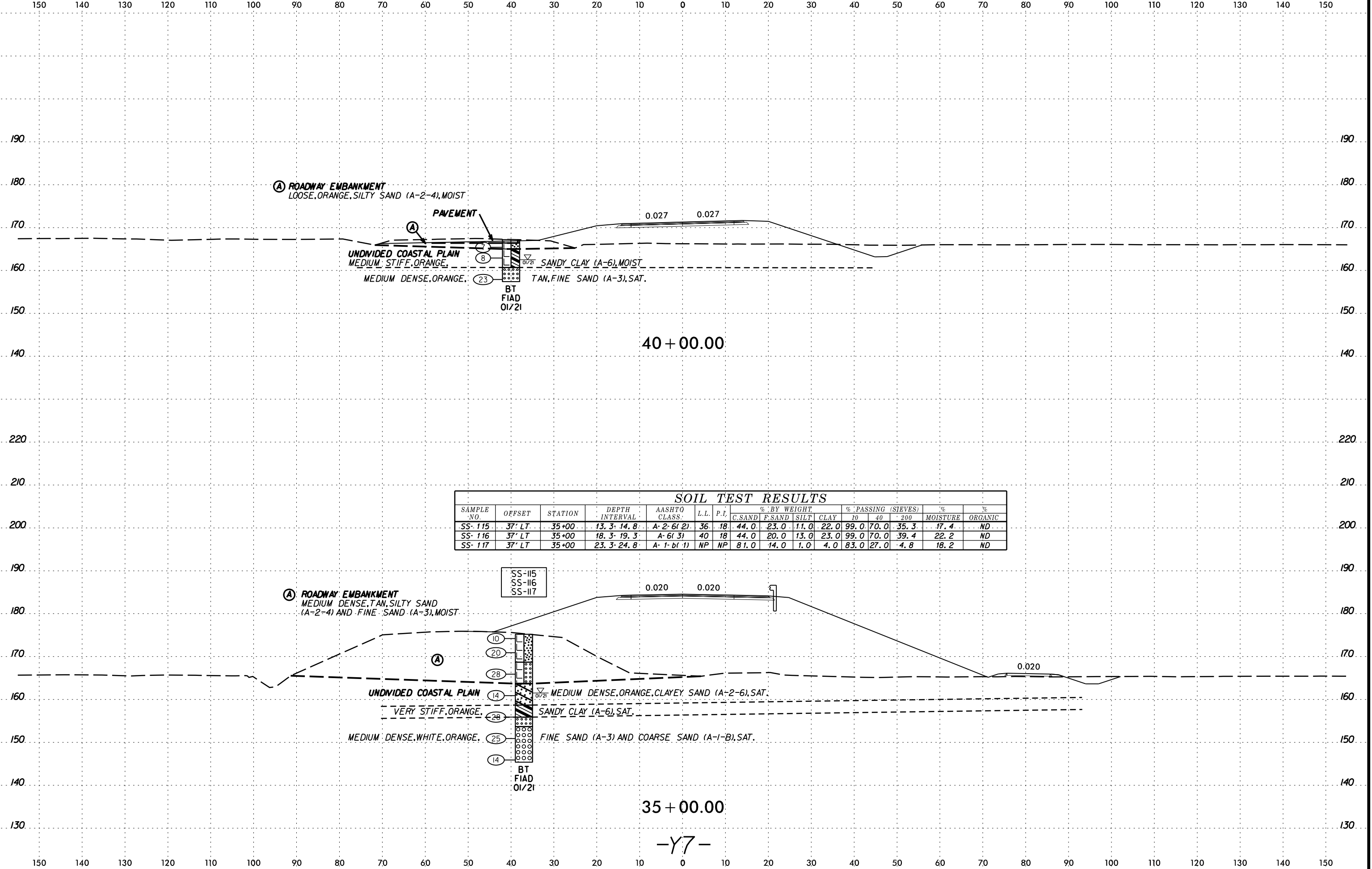
-Y7-

DATE: 6/23/16
DRAWN BY: J. BARRON
CHECKED BY: J. BARRON
SCALE: AS SHOWN
PROJECT: I-5987B

6/23/16



6/23/16



40 + 00.00

35 + 00.00

-Y7-

SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.L.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-115	37' LT	35+00	13.3-14.8	A-2-6(2)	36	18	44.0	23.0	11.0	22.0	99.0	70.0	35.3	17.4	ND
SS-116	37' LT	35+00	18.3-19.3	A-6(3)	40	18	44.0	20.0	13.0	23.0	99.0	70.0	39.4	22.2	ND
SS-117	37' LT	35+00	23.3-24.8	A-1-b(1)	NP	NP	81.0	14.0	1.0	4.0	83.0	27.0	4.8	18.2	ND

SS-115
SS-116
SS-117

6/23/16

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-118	5' LT	45+00	3.3-4.8	A-6(1)	34	12	42.0	23.0	9.0	26.0	99.0	73.0	37.9	22.0	ND

SS-118

(A) **ROADWAY EMBANKMENT**
MEDIUM DENSE, TAN, SILTY SAND (A-2-4), MOIST

UNDIVIDED COASTAL PLAIN
VERY SOFT TO STIFF, ORANGE, GRAY

WHITE, SANDY CLAY (A-6), MOIST TO SAT.

BT
FIAD
01/21

45 + 00.00

(A) **UNDIVIDED COASTAL PLAIN**
BROWN, SILTY SAND (A-2-4), MOIST

(B) **ROADWAY EMBANKMENT**
LOOSE, ORANGE, SILTY SAND (A-2-4), MOIST

UNDIVIDED COASTAL PLAIN
ORANGE, GRAY, SILTY CLAY (A-7-6)

AND SANDY CLAY (A-6), MOIST TO WET.

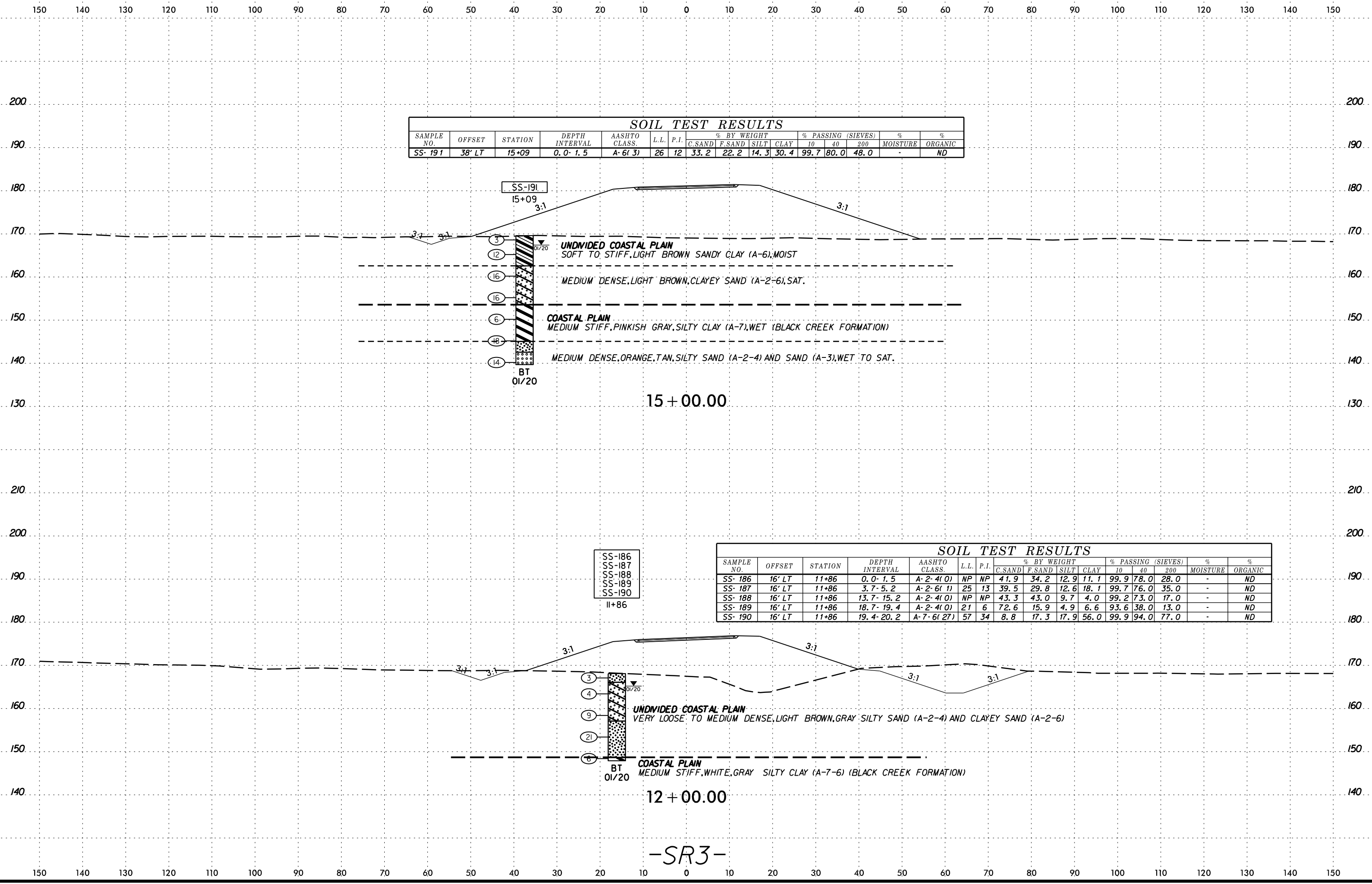
BT
02/20

40 + 50.00

-Y7-

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

DATE PLOTTED: 6/23/16
 DRAWN BY: J. BARRA
 CHECKED BY: J. BARRA
 APPROVED BY: J. BARRA
 SCALE: AS SHOWN
 SHEET NO.: 323



SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			%	%
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-191	38' LT	15+09	0.0-1.5	A-6(3)	26	12	33.2	22.2	14.3	30.4	99.7	80.0	48.0	-	ND

SOIL TEST RESULTS

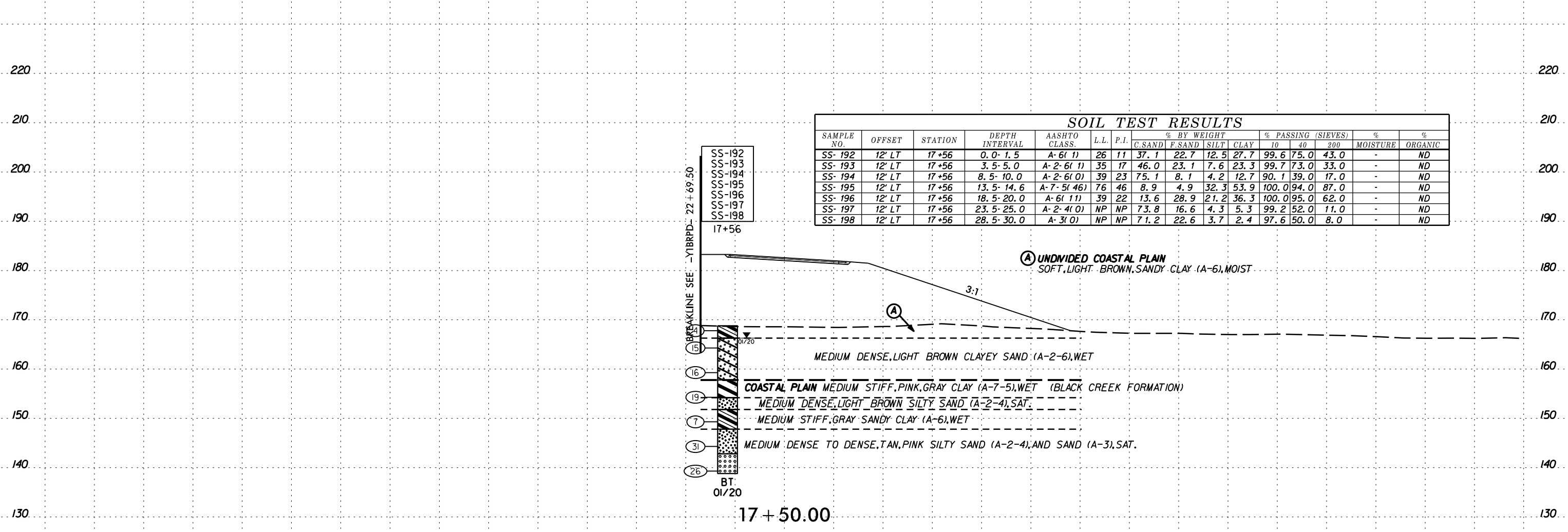
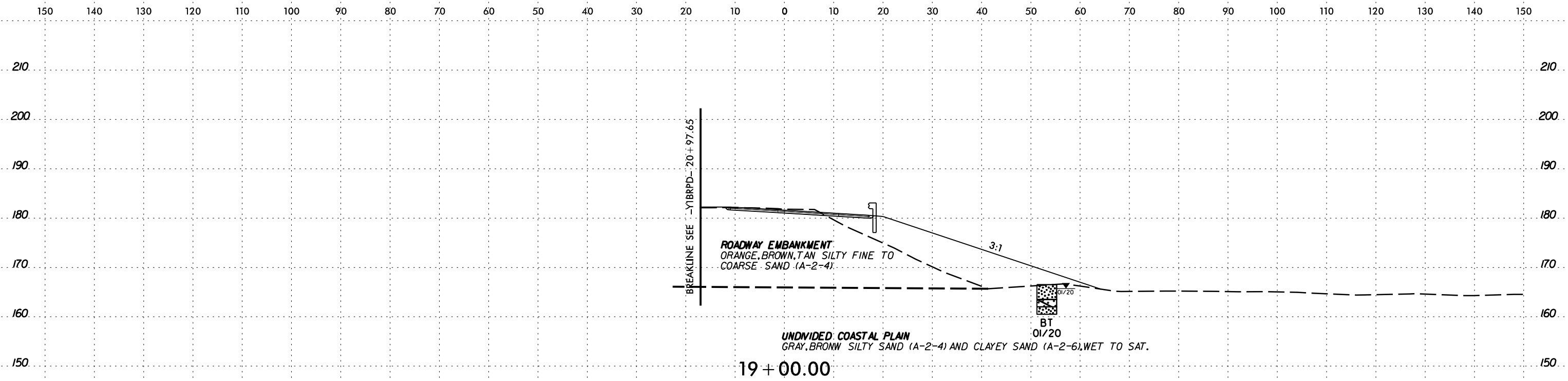
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			%	%
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
SS-186	16' LT	11+86	0.0-1.5	A-2-4(0)	NP	NP	41.9	34.2	12.9	11.1	99.9	78.0	28.0	-	ND
SS-187	16' LT	11+86	3.7-5.2	A-2-6(1)	25	13	39.5	29.8	12.6	18.1	99.7	76.0	35.0	-	ND
SS-188	16' LT	11+86	13.7-15.2	A-2-4(0)	NP	NP	43.3	43.0	9.7	4.0	99.2	73.0	17.0	-	ND
SS-189	16' LT	11+86	18.7-19.4	A-2-4(0)	21	6	72.6	15.9	4.9	6.6	93.6	38.0	13.0	-	ND
SS-190	16' LT	11+86	19.4-20.2	A-7-6(27)	57	34	8.8	17.3	17.9	56.0	99.9	94.0	77.0	-	ND

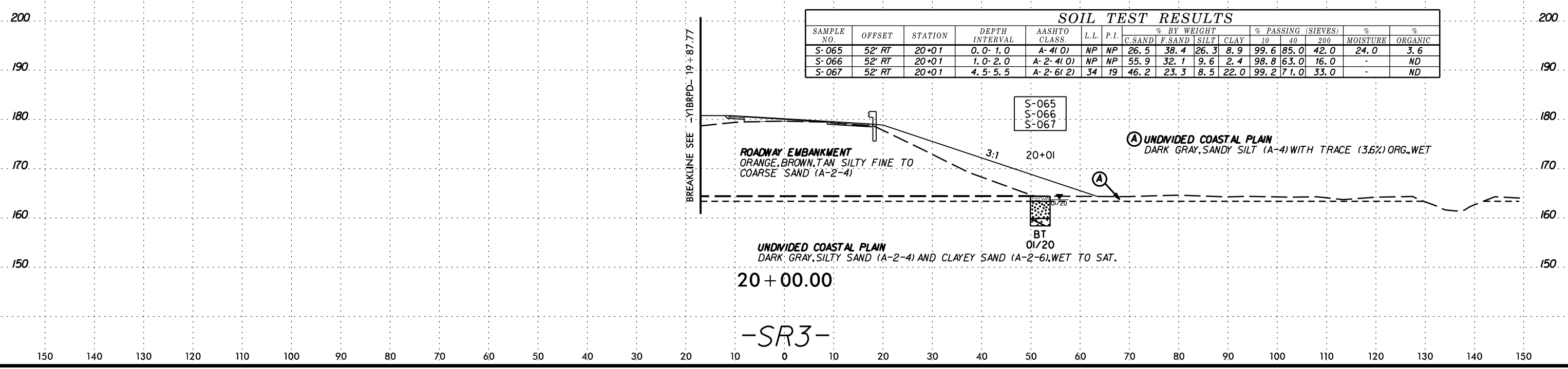
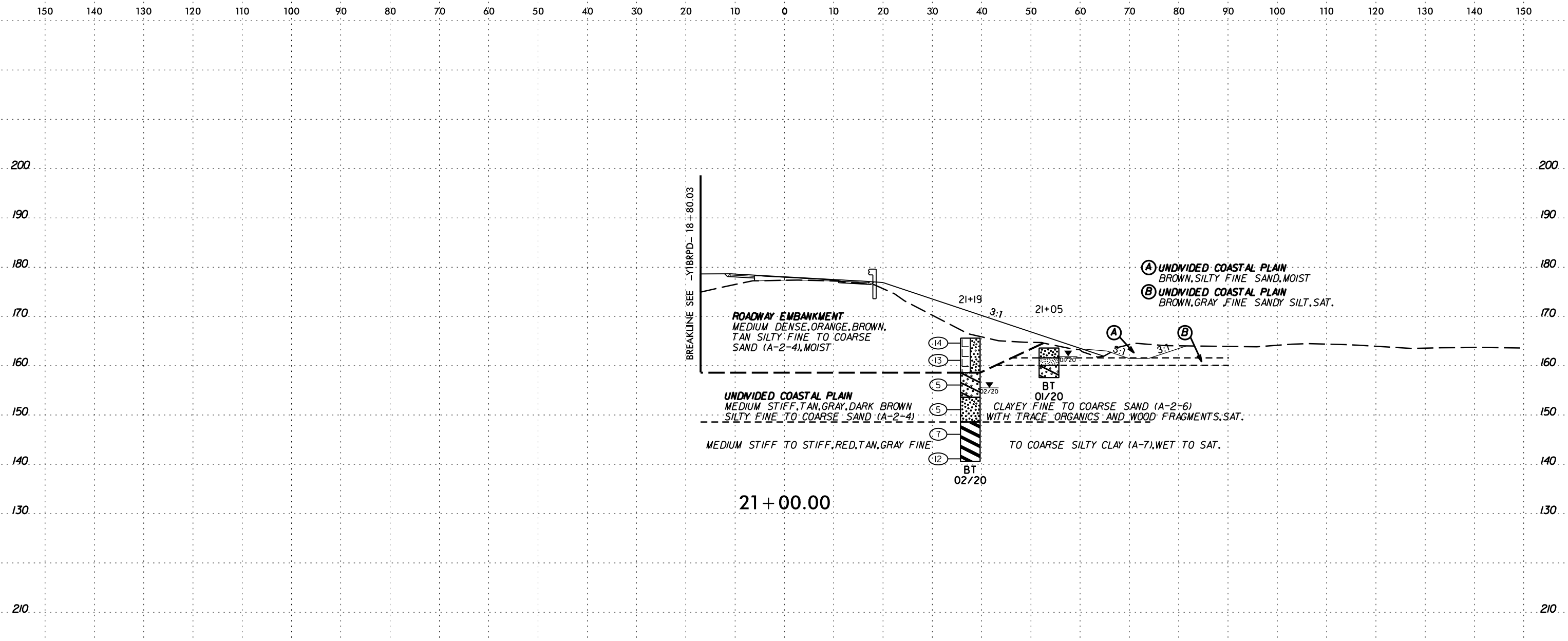
15 + 00.00

12 + 00.00

-SR3-

DATE PLOTTED: 6/23/16





SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
S-065	52' RT	20+01	0.0-1.0	A-4(0)	NP	NP	26.5	38.4	26.3	8.9	99.6	85.0	42.0	24.0	3.6
S-066	52' RT	20+01	1.0-2.0	A-2-4(0)	NP	NP	55.9	32.1	9.6	2.4	98.8	63.0	16.0	-	ND
S-067	52' RT	20+01	4.5-5.5	A-2-6(2)	34	19	46.2	23.3	8.5	22.0	99.2	71.0	33.0	-	ND

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

200 190 180 170 160 150

200 190 180 170 160 150

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

BREAKLINE SEE -YIBRPD- 16+72.65

BREAKLINE SEE -YIBRPD- 17+75.59

(A) ROADWAY EMBANKMENT
 MEDIUM DENSE, ORANGE, BROWN,
 TAN SILTY FINE TO COARSE
 SAND (A-2-4), MOIST

(A)

UNDIVIDED COASTAL PLAIN
 VERY LOOSE TO MEDIUM DENSE GRAY SILTY SAND (A-2-4), WET TO SAT.

23+00.00

SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
S-068	43' RT	22+08	0.0-0.5	A-4(0)	NP	NP	26.4	36.2	33.4	4.0	99.5	90.0	43.0	-	ND
S-069	43' RT	22+08	0.5-1.5	A-2-4(0)	NP	NP	55.4	28.6	13.0	3.0	98.8	66.0	19.0	-	ND

ROADWAY EMBANKMENT
 MEDIUM DENSE, ORANGE, BROWN,
 TAN SILTY FINE TO COARSE
 SAND (A-2-4), MOIST

S-068
S-069
22+08

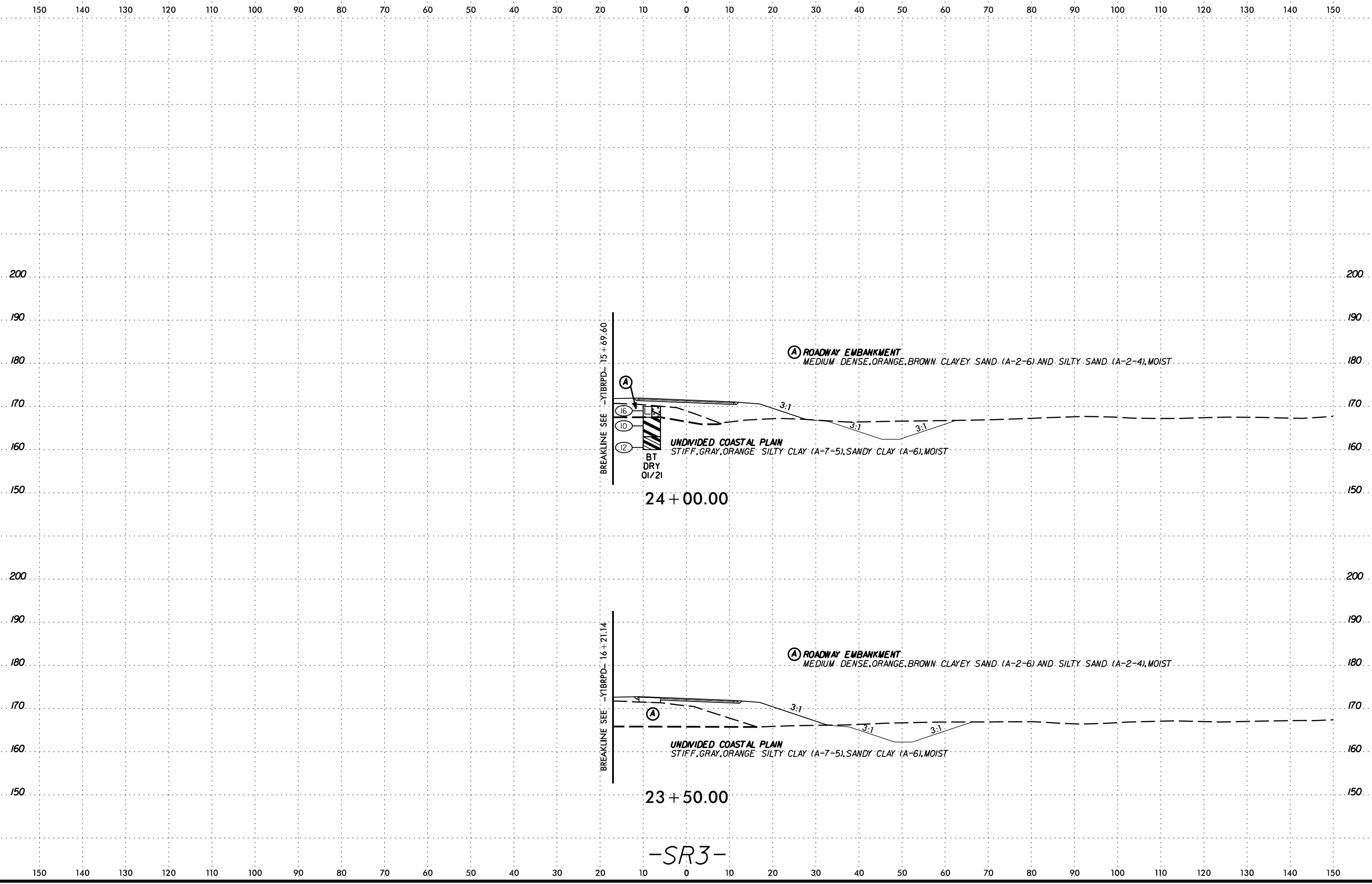
(A)

(A) UNDIVIDED COASTAL PLAIN
 BLACK, SANDY SILT (A-4) WITH LITTLE (9.6%) ORGANICS, WET

UNDIVIDED COASTAL PLAIN
 VERY LOOSE TO MEDIUM DENSE GRAY SILTY SAND (A-2-4), WET TO SAT.

22+00.00

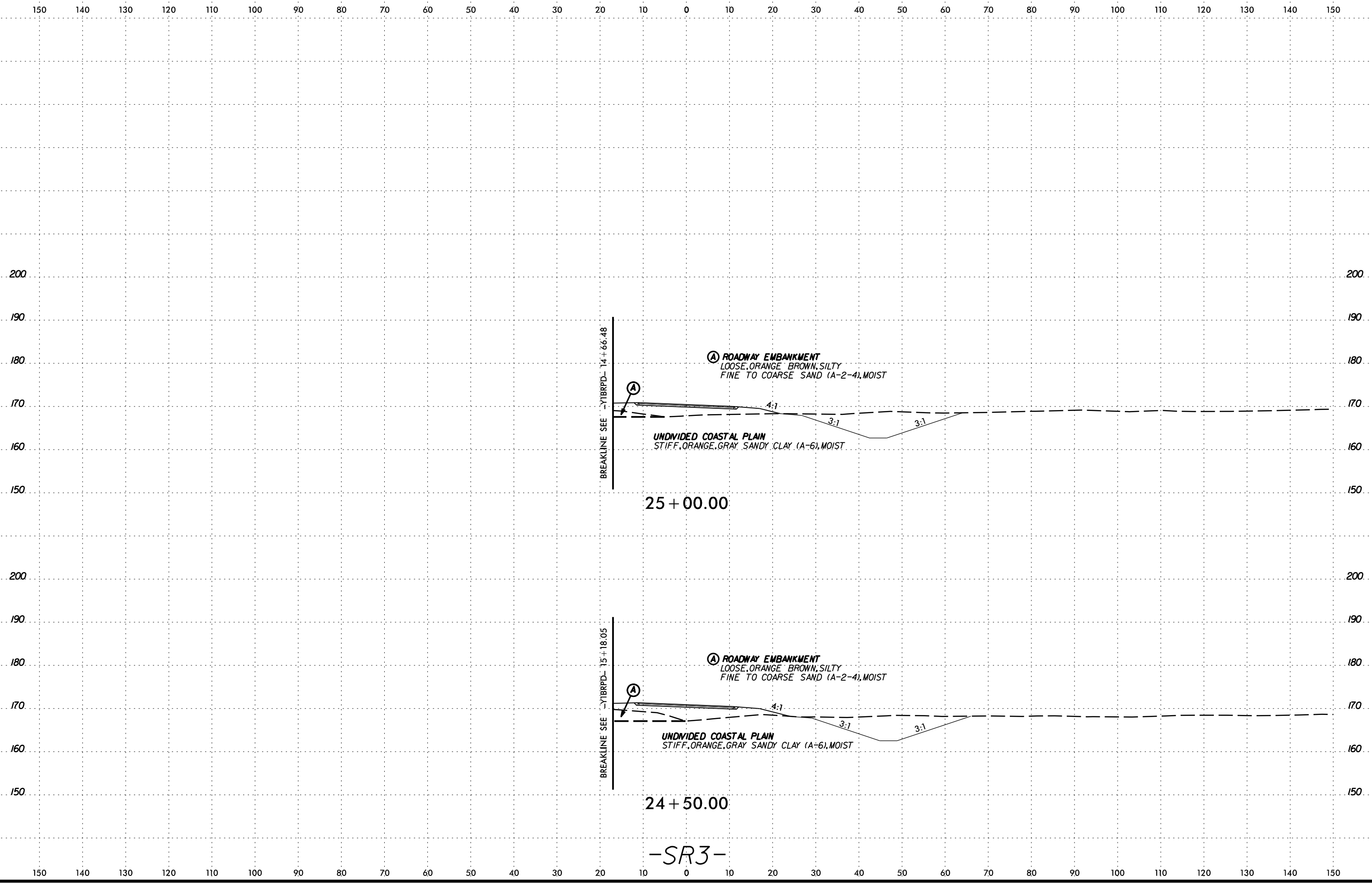
-SR3-



-SR3-

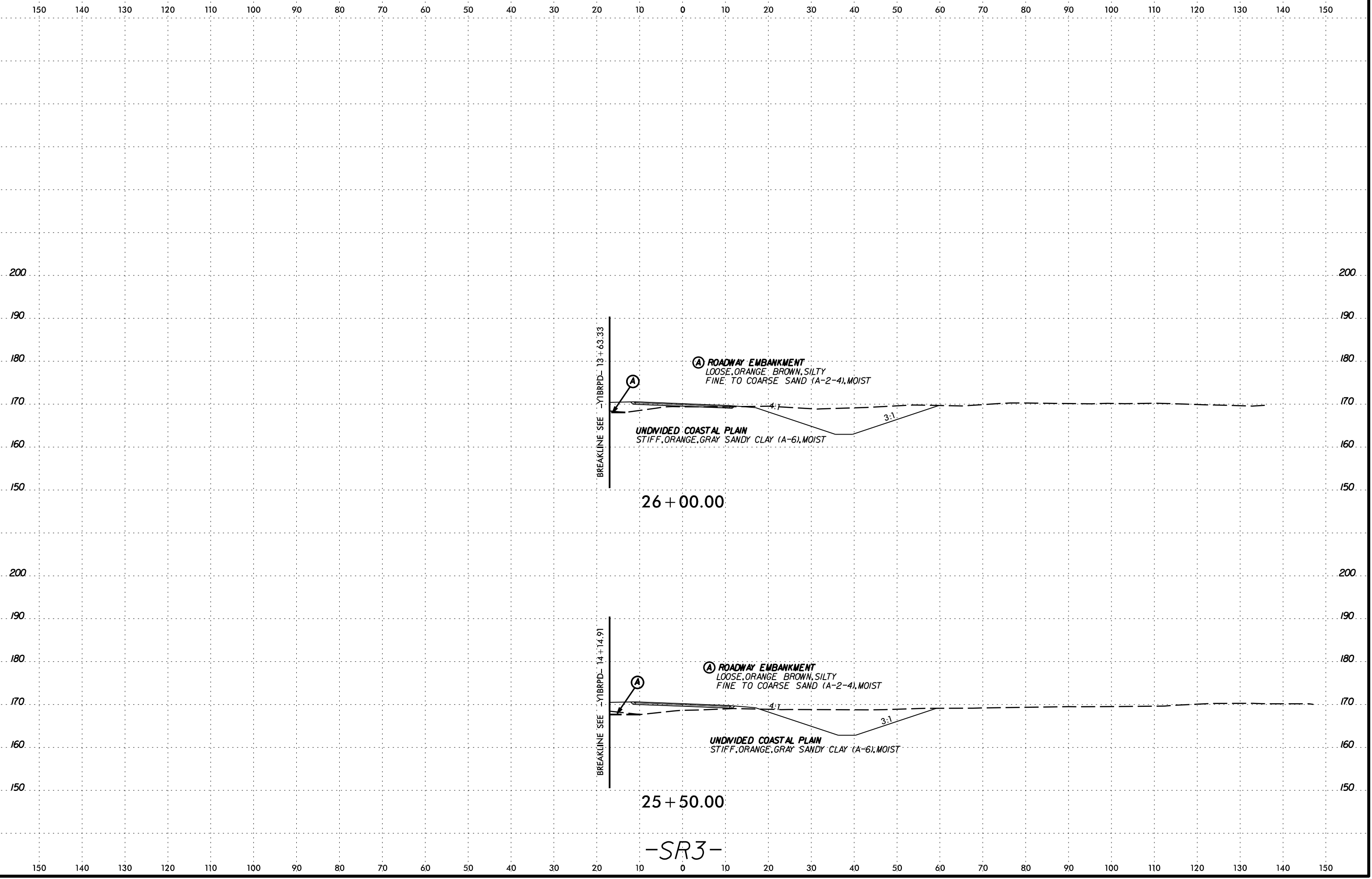
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BY: [illegible]
CHECKED: [illegible]
APPROVED: [illegible]

6/23/16



-SR3-

DATE: 6/23/16
 DRAWN BY: [illegible]
 CHECKED BY: [illegible]
 PROJECT: I-5987B



BREAKLINE SEE -YIBRPD- 13+63.33

BREAKLINE SEE -YIBRPD- 14+14.91

Ⓐ ROADWAY EMBANKMENT
 LOOSE, ORANGE BROWN, SILTY
 FINE TO COARSE SAND (A-2-4), MOIST

UNDIVIDED COASTAL PLAIN
 STIFF, ORANGE, GRAY SANDY CLAY (A-6), MOIST

26 + 00.00

Ⓐ ROADWAY EMBANKMENT
 LOOSE, ORANGE BROWN, SILTY
 FINE TO COARSE SAND (A-2-4), MOIST

UNDIVIDED COASTAL PLAIN
 STIFF, ORANGE, GRAY SANDY CLAY (A-6), MOIST

25 + 50.00

-SR3-

DATE: 6/23/16
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 CHECKED BY: [illegible]
 PROJECT: I-5987B
 SHEET: 330

6/23/16



PROJ. REFERENCE NO. I-5987B

SHEET NO. 331

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200 200

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170 170

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190 190

180 180

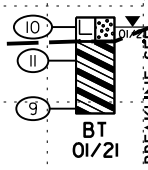
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160 160

150 150

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

ROADWAY EMBANKMENT
LOOSE, ORANGE BROWN, SILTY
FINE TO COARSE SAND (A-2-4), MOIST



BREAKLINE SEE -Y1BRPD- 12 + 60.17

UNDIVIDED COASTAL PLAIN
STIFF, ORANGE, GRAY SANDY CLAY (A-6), MOIST

27 + 00.00

A ROADWAY EMBANKMENT
LOOSE, ORANGE BROWN, SILTY
FINE TO COARSE SAND (A-2-4), MOIST



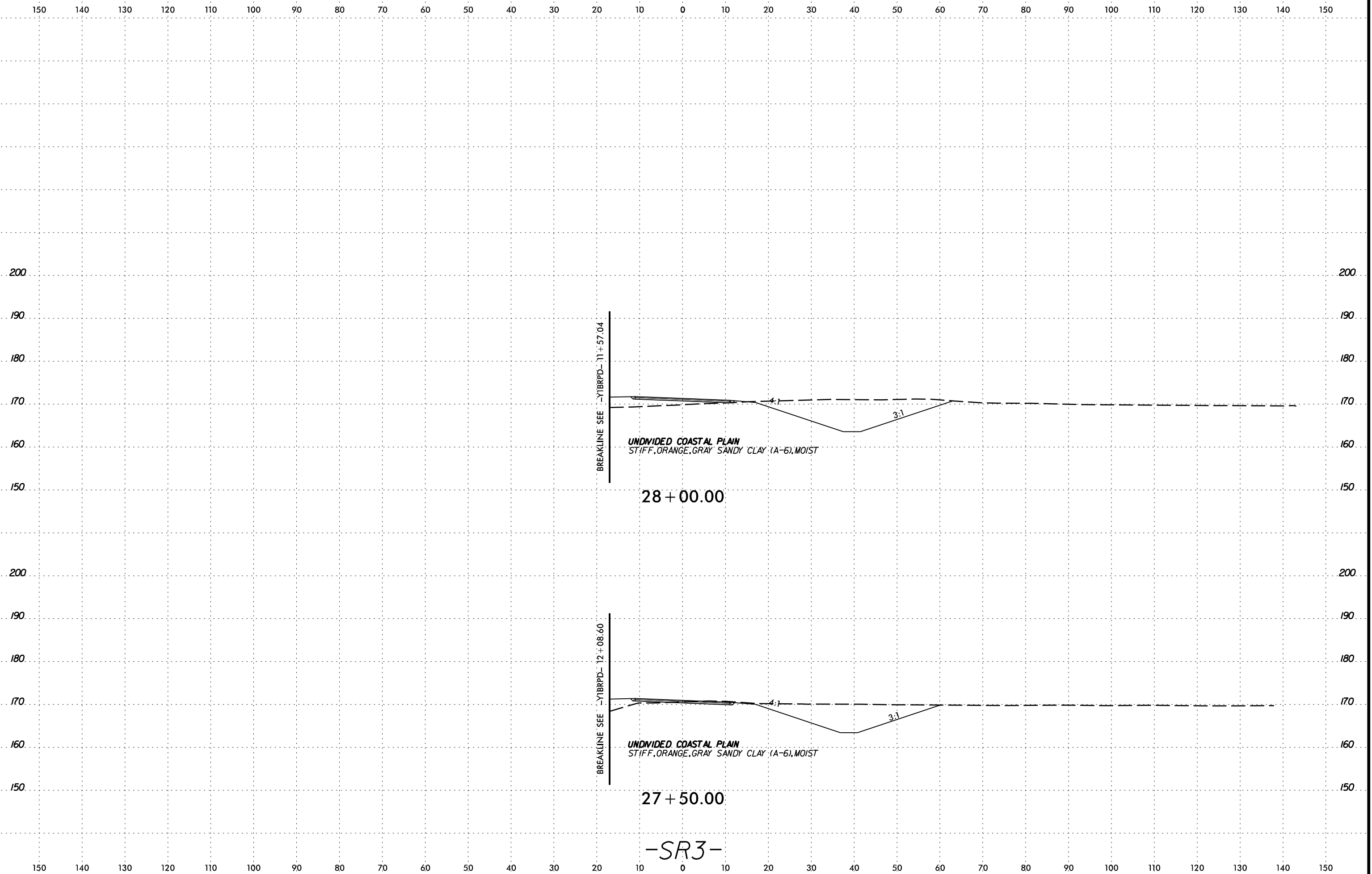
BREAKLINE SEE -Y1BRPD- 13 + 11.75

UNDIVIDED COASTAL PLAIN
STIFF, ORANGE, GRAY SANDY CLAY (A-6), MOIST

26 + 50.00

-SR3-

6/23/16
SYTIME
CON
ARRIVE



BREAKLINE SEE -YIBRPD- 11 + 57.04

BREAKLINE SEE -YIBRPD- 12 + 08.60

UNDIVIDED COASTAL PLAIN
STIFF, ORANGE, GRAY SANDY CLAY (A-6), MOIST

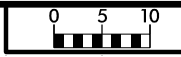
UNDIVIDED COASTAL PLAIN
STIFF, ORANGE, GRAY SANDY CLAY (A-6), MOIST

28 + 00.00

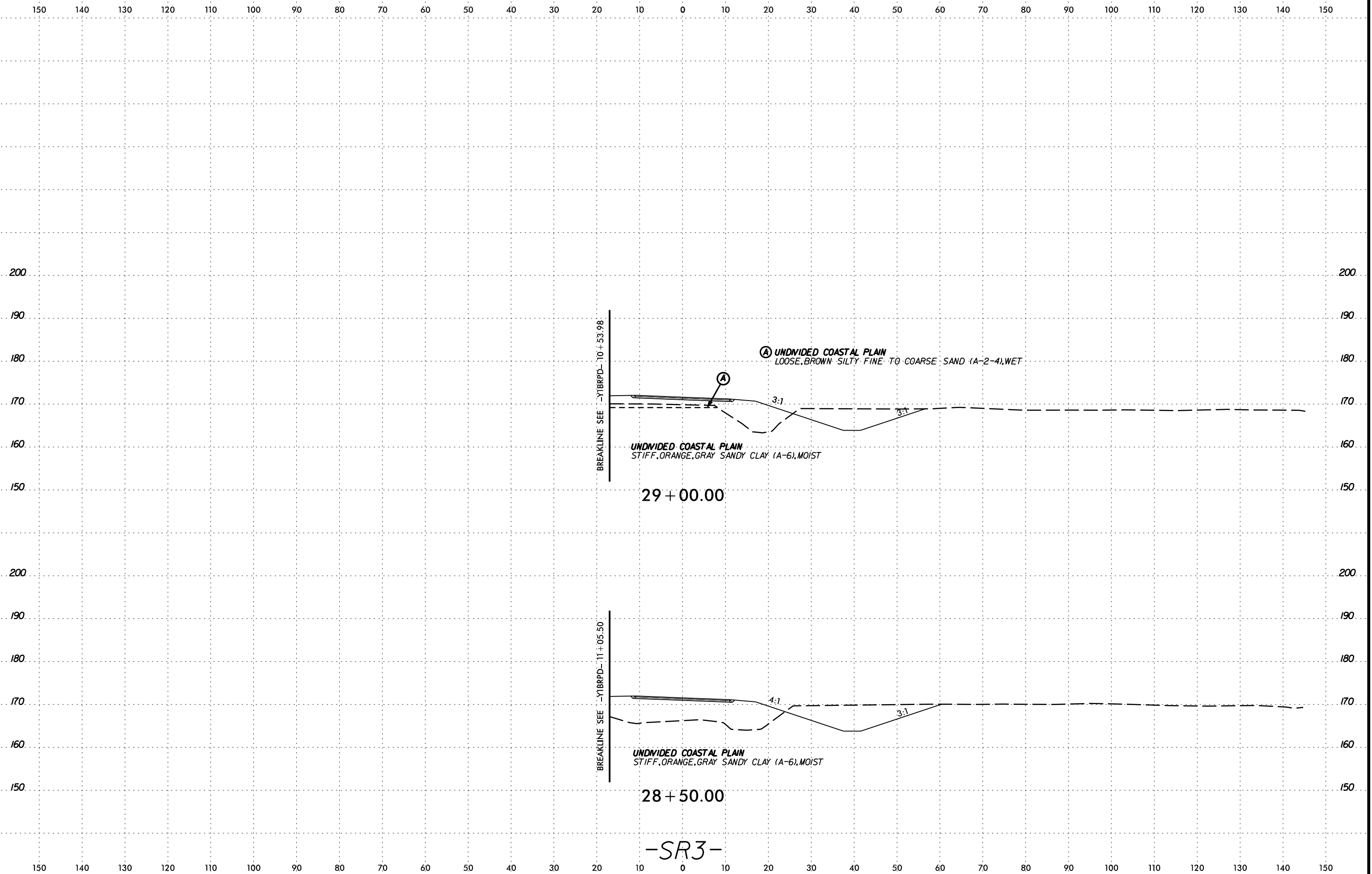
27 + 50.00

-SR3-

6/23/16



PROJ. REFERENCE NO.	SHEET NO.
I-5987B	333

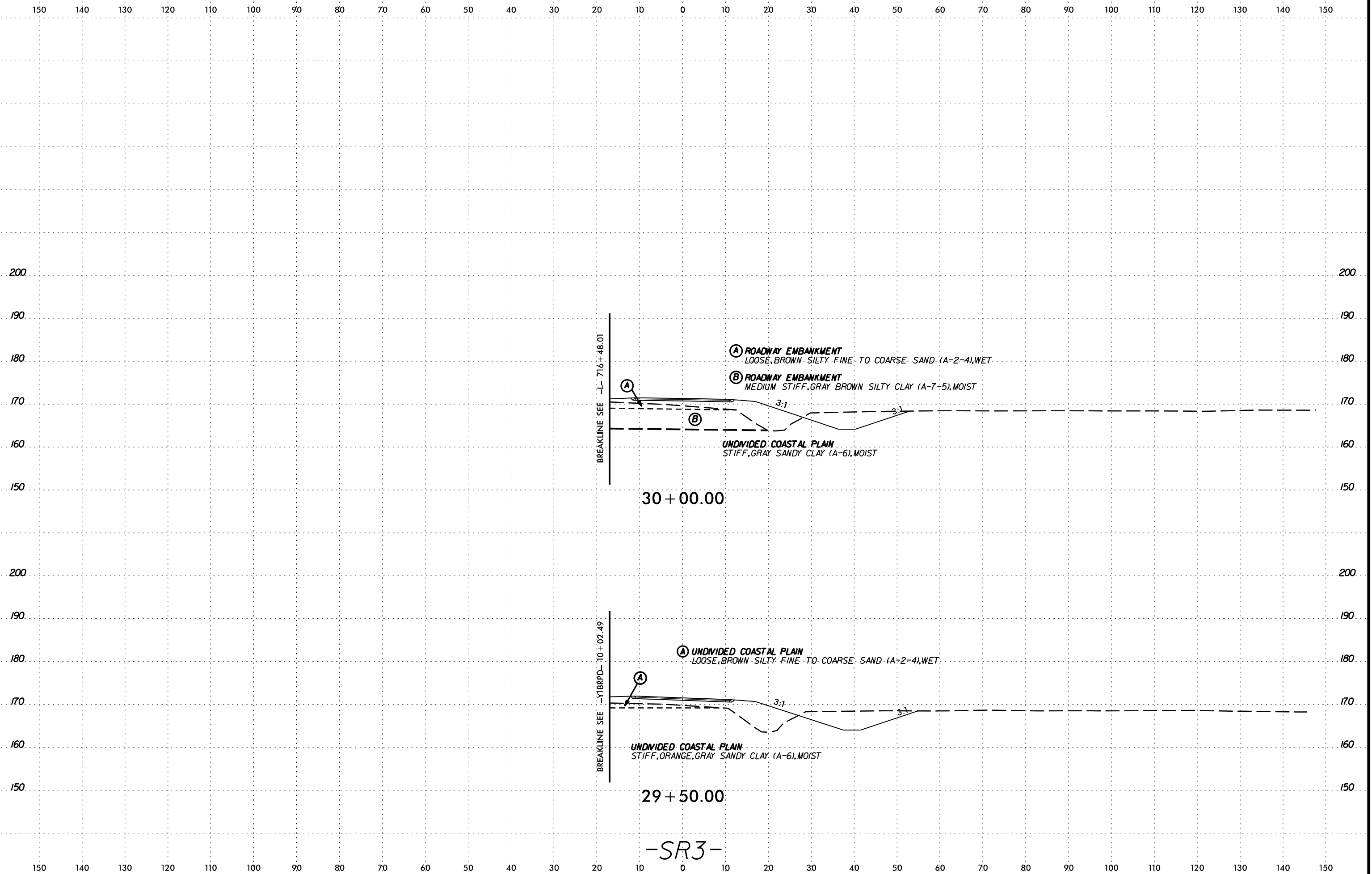


29 + 00.00

28 + 50.00

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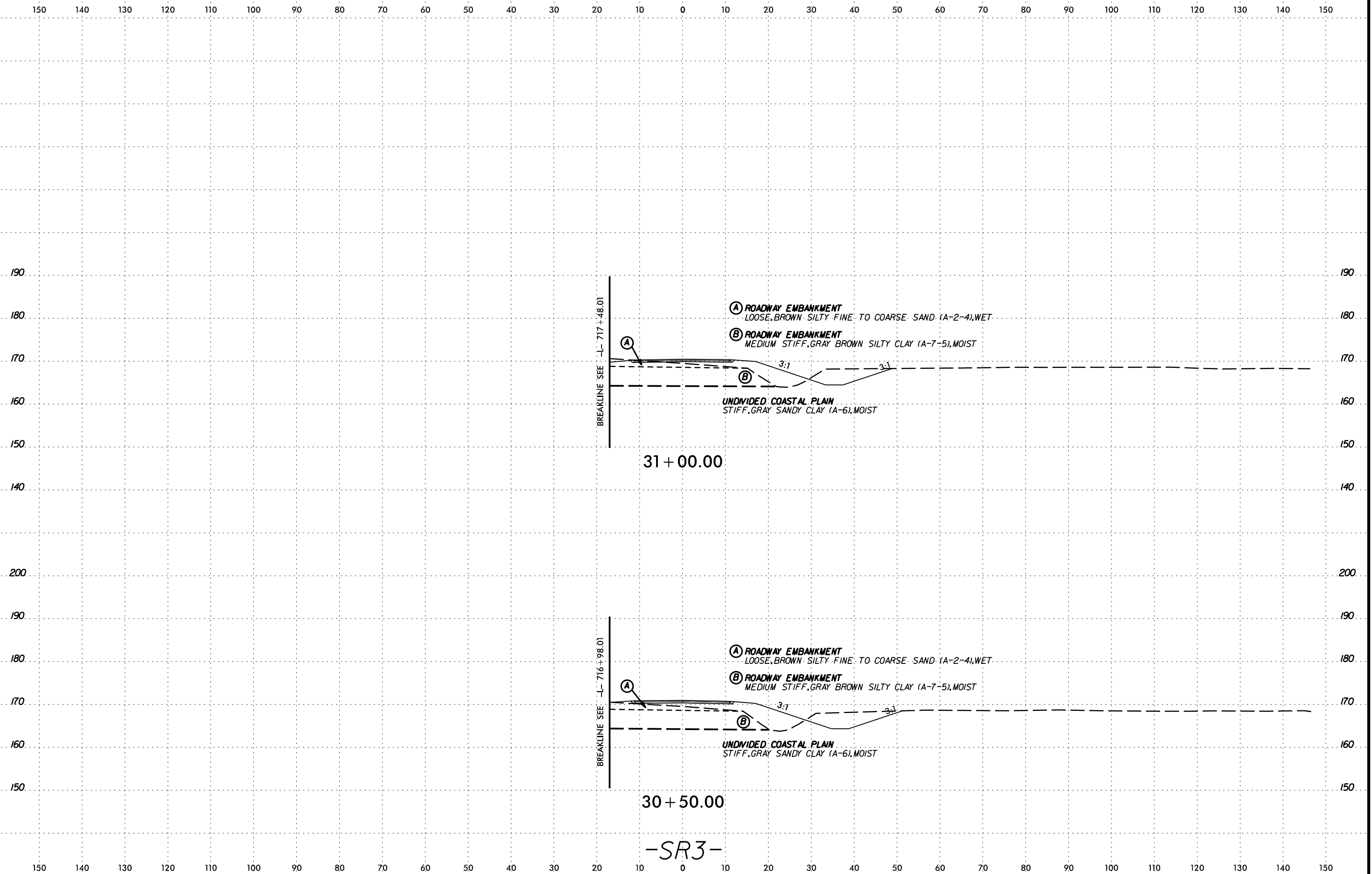
SYTIME
CON
ARRIVE
JULY
ARRIVE



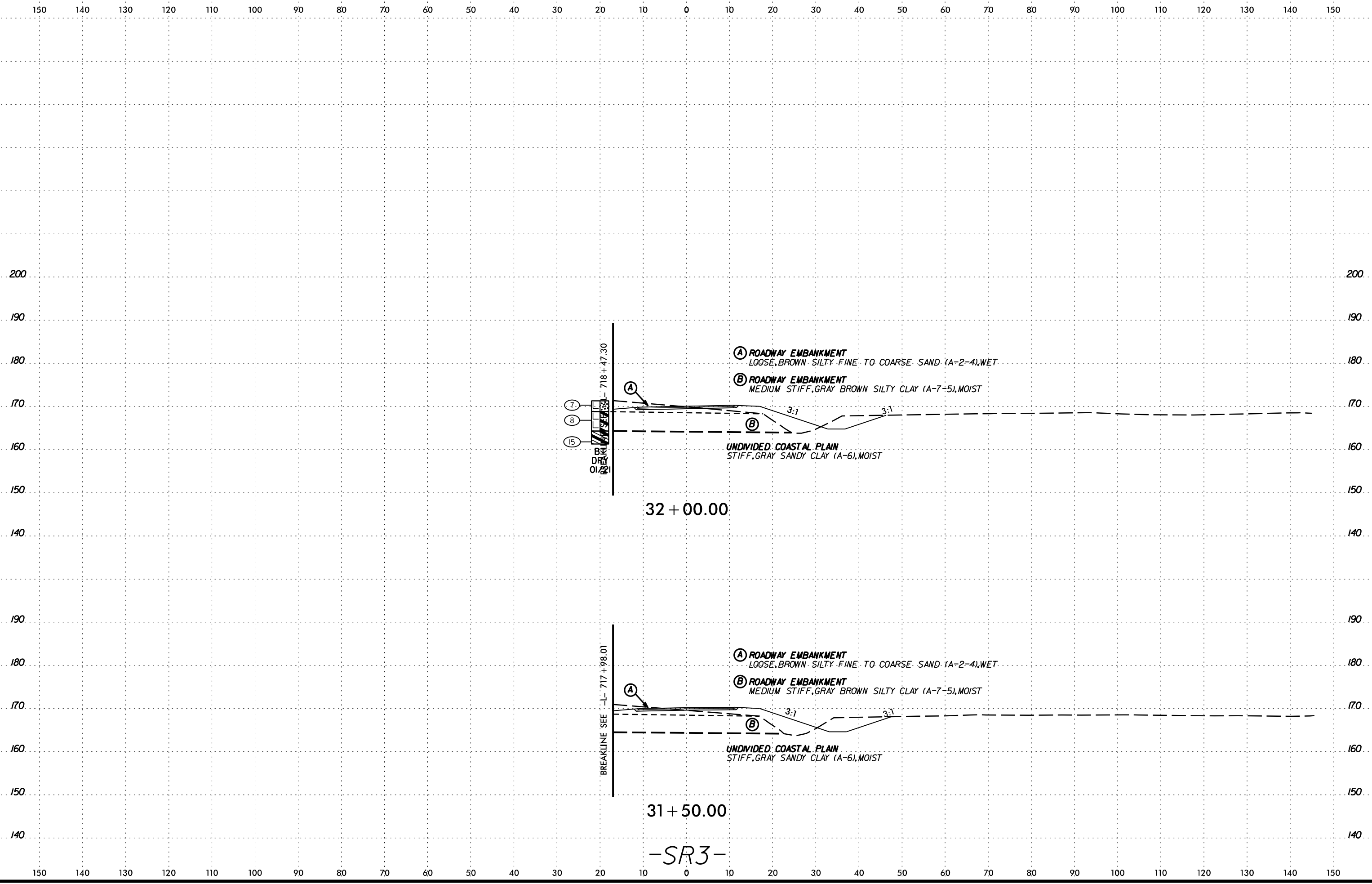
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SCALE: AS SHOWN
PROJECT: I-5987B

6/23/16
SYTIME
CON
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ARRIVE

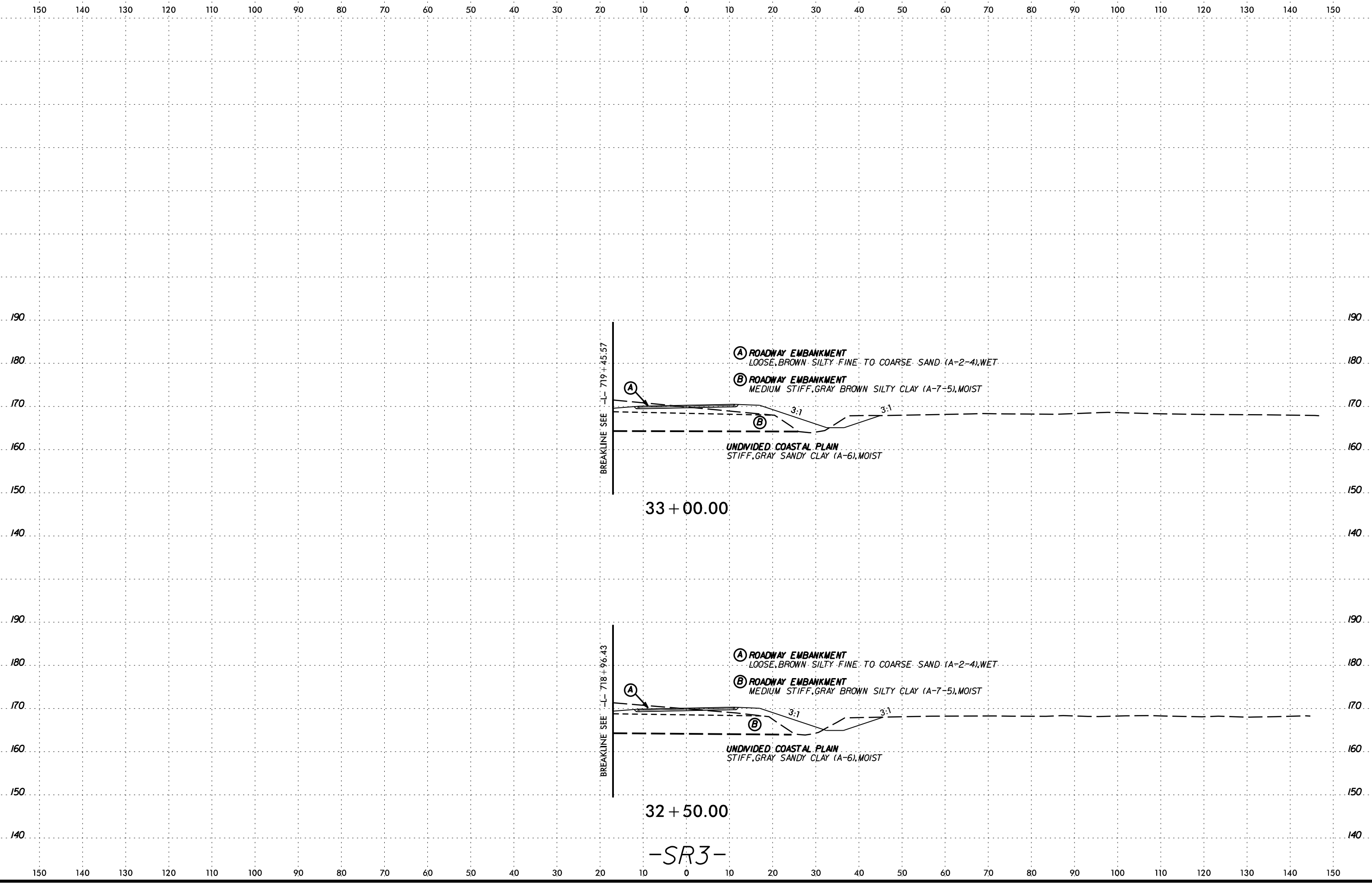


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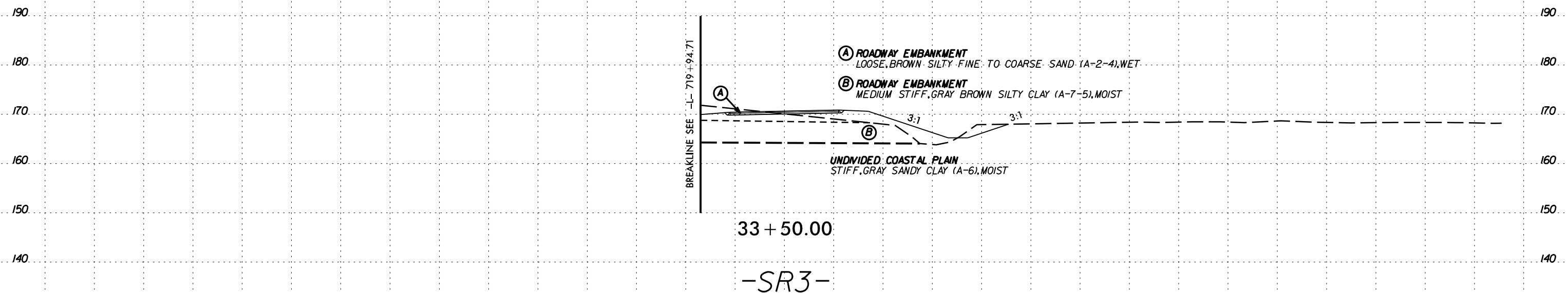
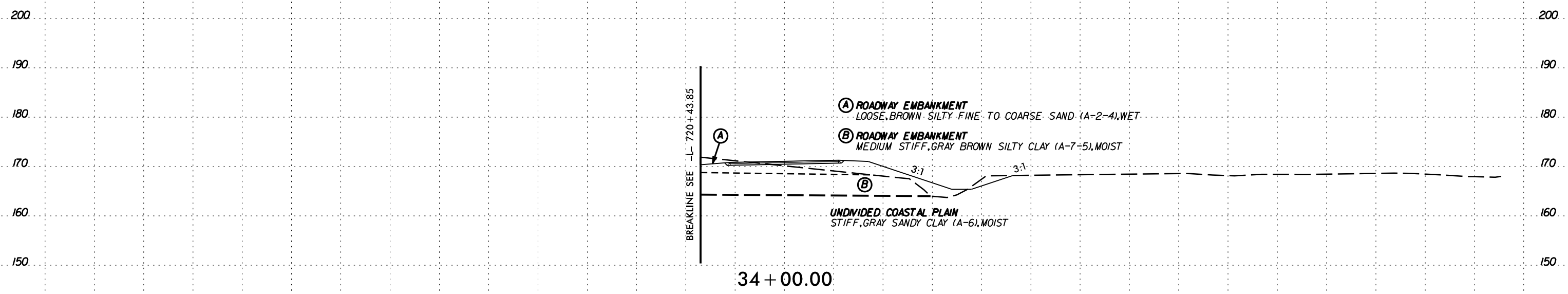
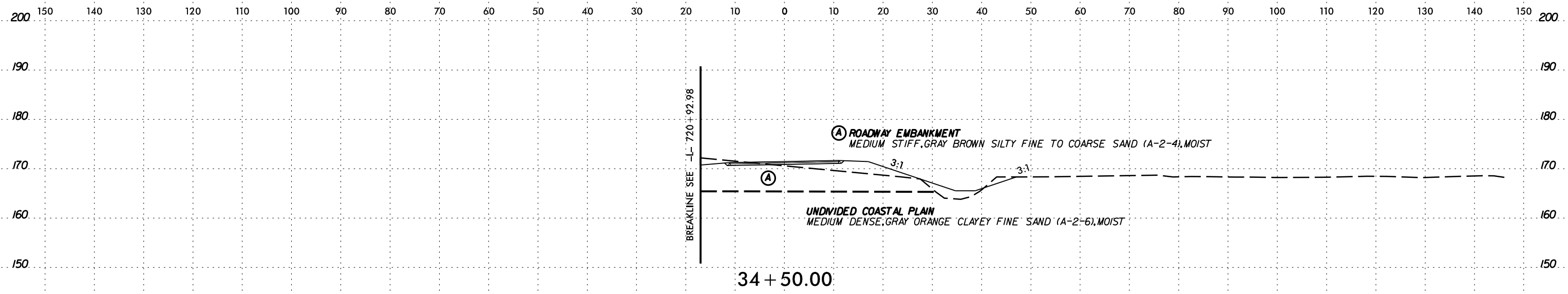
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SCHEMATIC CONSTRUCTION DETAILS



-SR3-

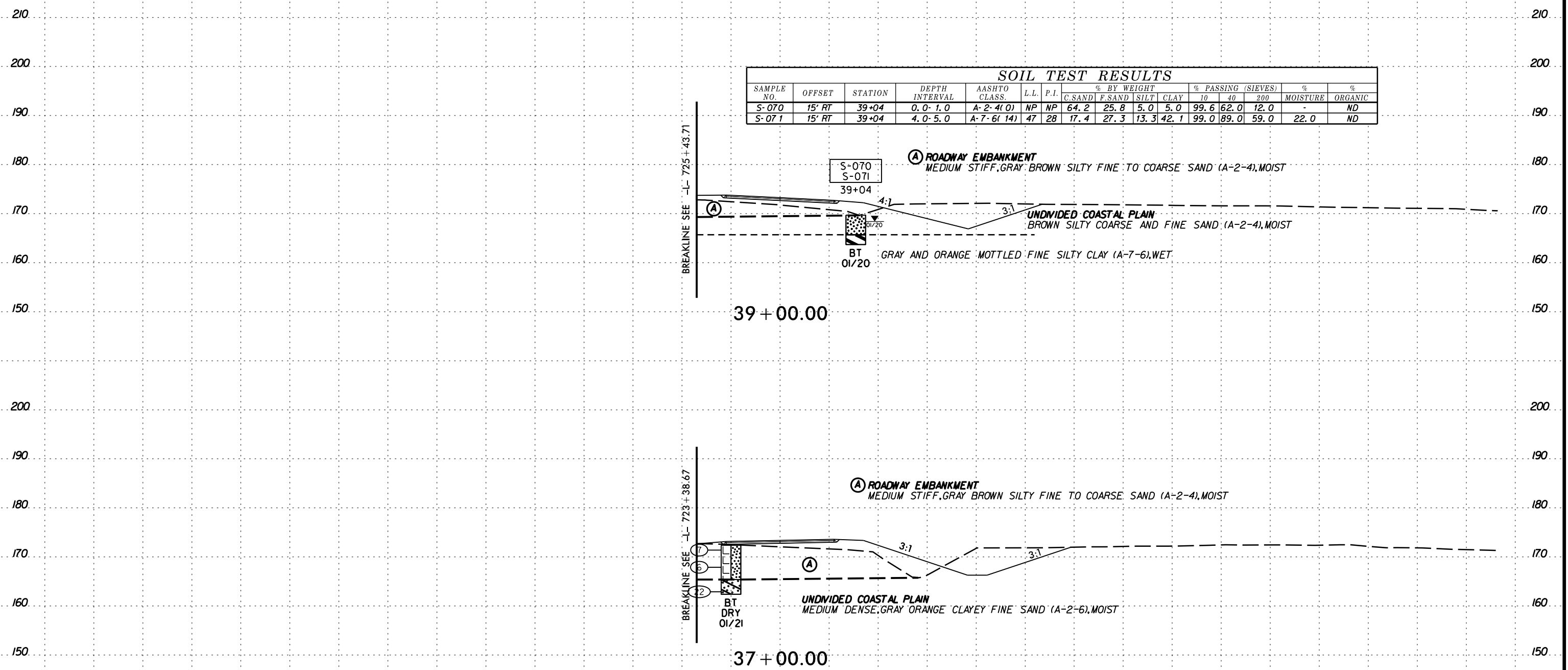
SCHEMATIC CROSS SECTION
DATE: 6/23/16
DRAWN BY: JLR/ML



-SR3-

6/23/16

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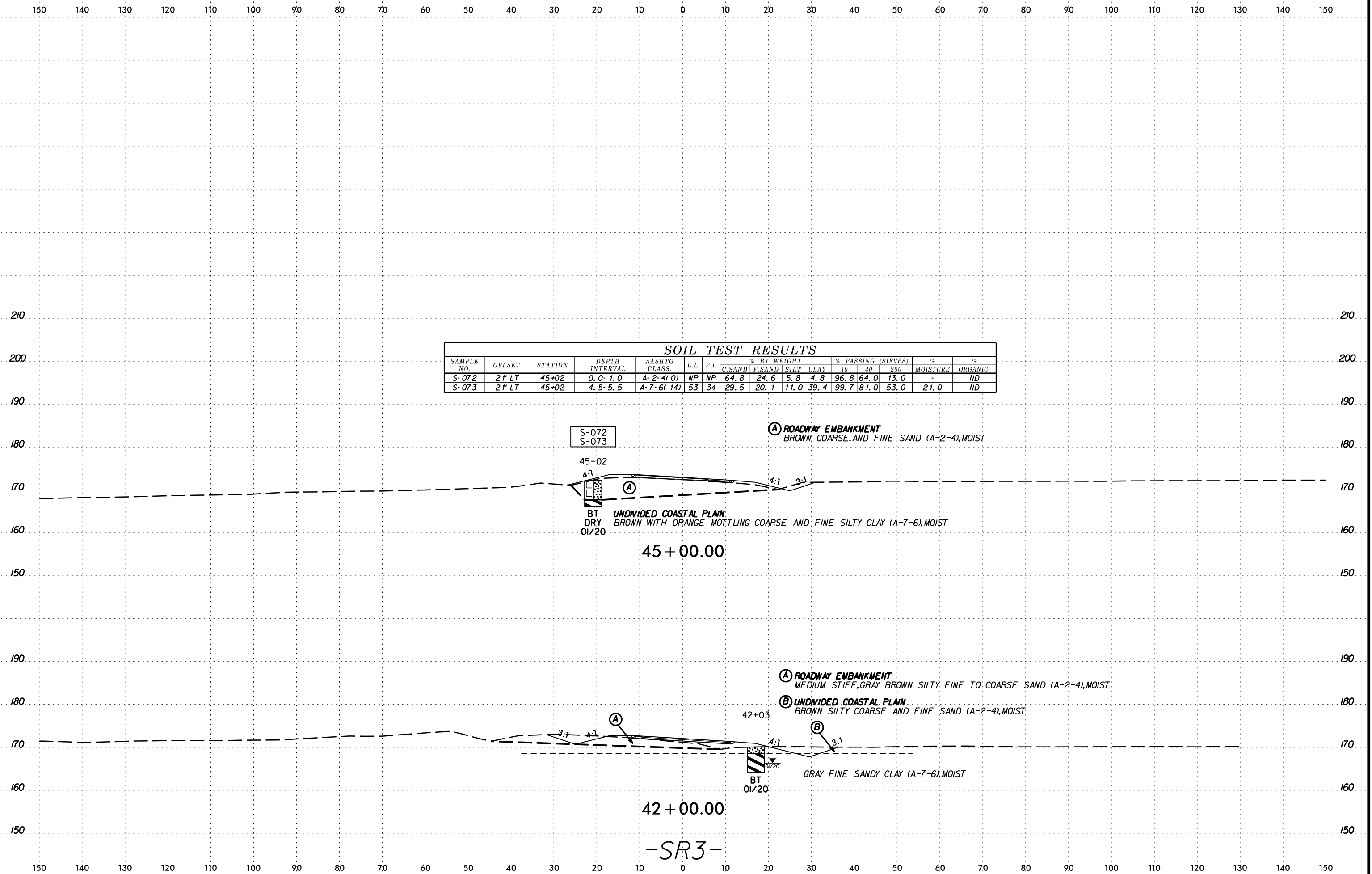
SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
S-070	15' RT	39+04	0.0-1.0	A-2-4(0)	NP	NP	64.2	25.8	5.0	5.0	99.6	62.0	12.0	-	ND
S-071	15' RT	39+04	4.0-5.0	A-7-6(14)	47	28	17.4	27.3	13.3	42.1	99.0	89.0	59.0	22.0	ND

39 + 00.00

37 + 00.00

-SR3-

6/23/16



SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
S-072	2' LT	45+02	0.0- 1.0	A-2-4(0)	NP	NP	64.8	24.6	5.8	4.8	96.8	64.0	13.0	-	ND
S-073	2' LT	45+02	4.5- 5.5	A-7-6(14)	53	34	29.5	20.1	11.0	39.4	99.7	81.0	53.0	21.0	ND

S-072
S-073

(A) ROADWAY EMBANKMENT
BROWN COARSE AND FINE SAND (A-2-4), MOIST

45+02
4:1

BT
DRY
01/20

(B) UNDIVIDED COASTAL PLAIN
BROWN WITH ORANGE MOTTLING COARSE AND FINE SILTY CLAY (A-7-6), MOIST

45 + 00.00

(A) ROADWAY EMBANKMENT
MEDIUM STIFF, GRAY BROWN SILTY FINE TO COARSE SAND (A-2-4), MOIST

(B) UNDIVIDED COASTAL PLAIN
BROWN SILTY COARSE AND FINE SAND (A-2-4), MOIST

42+03

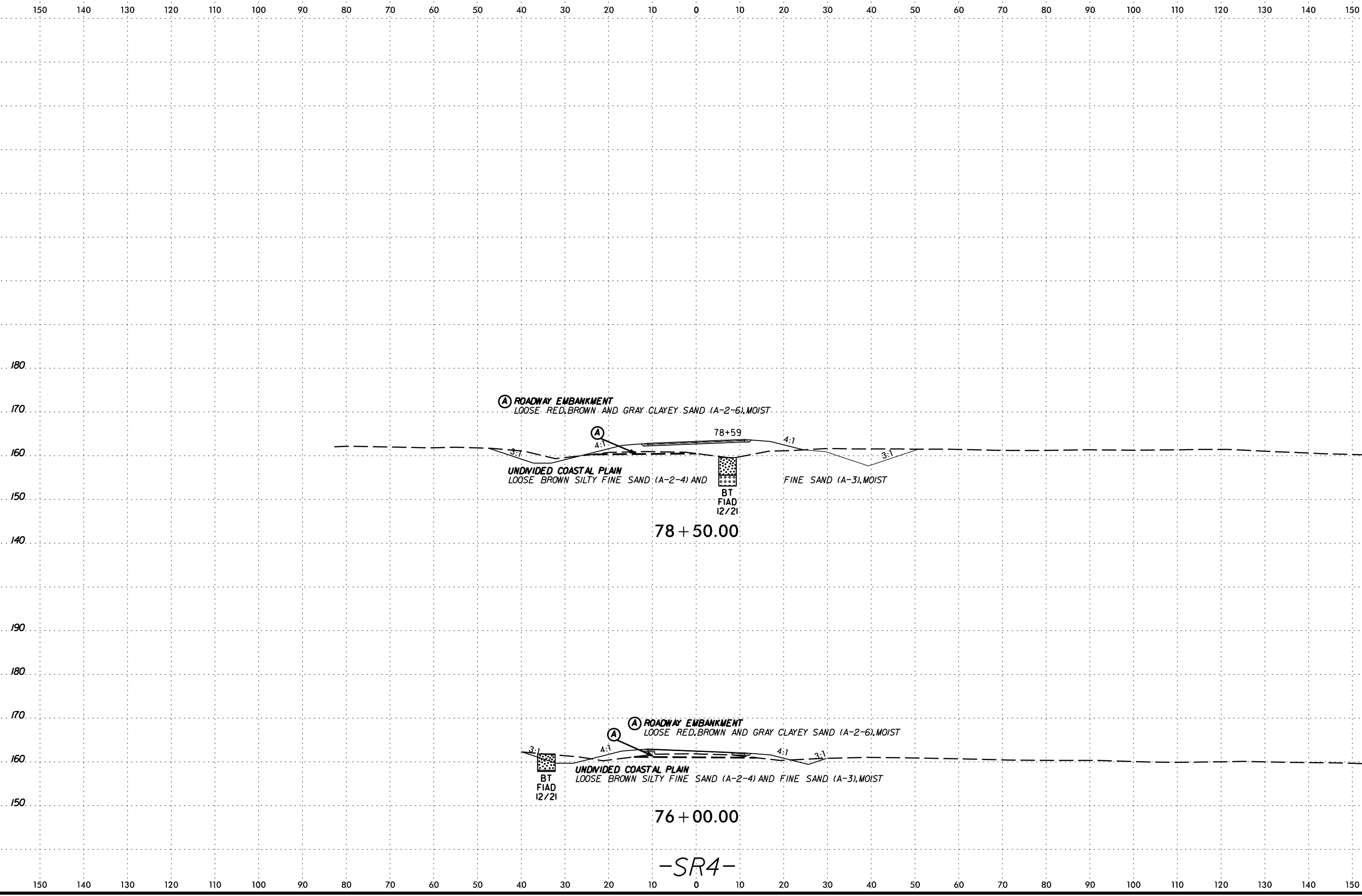
BT
01/20

GRAY FINE SANDY CLAY (A-7-6), MOIST

42 + 00.00

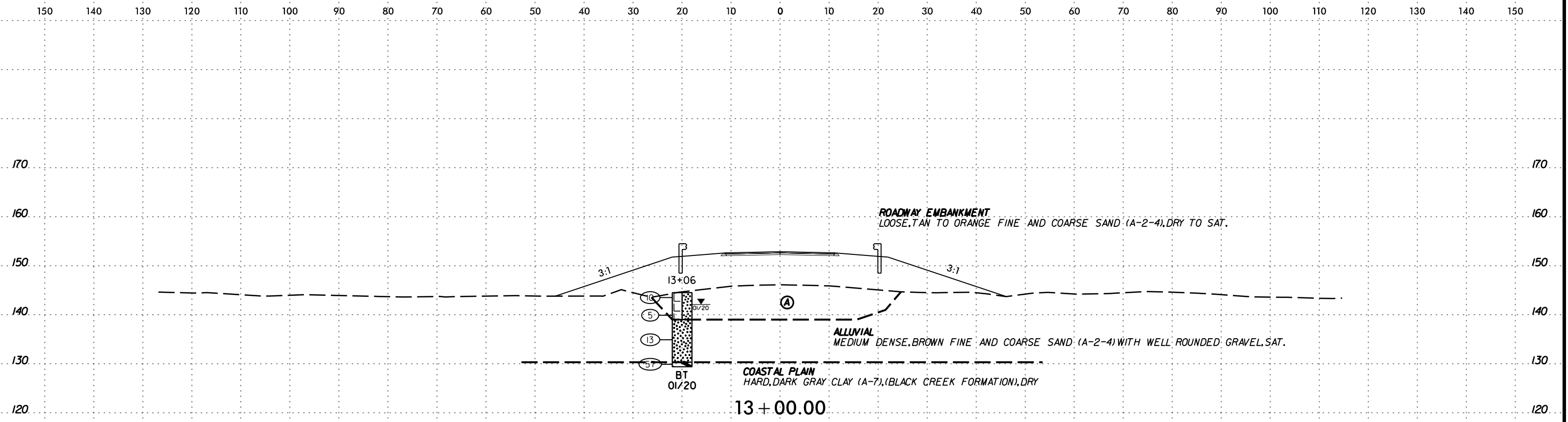
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6/23/16

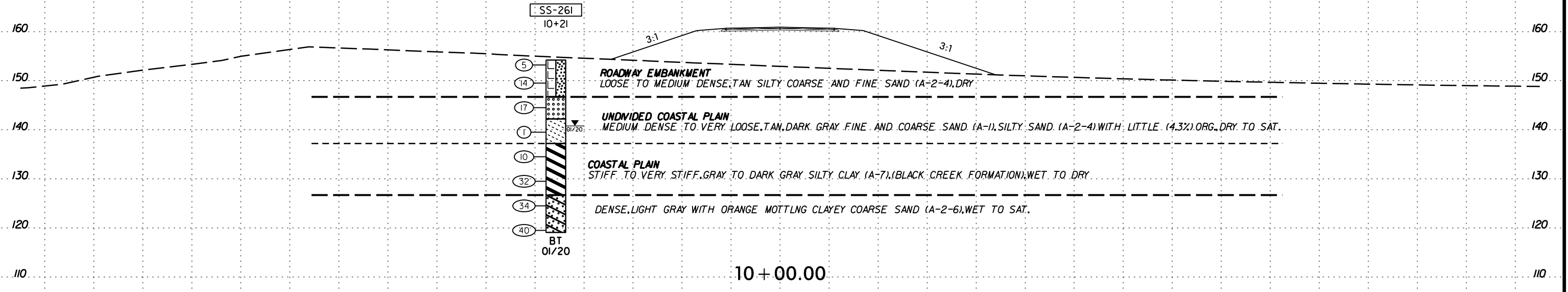


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 CHECKED BY: [illegible]
 APPROVED BY: [illegible]

6/23/16



SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-261	46' LT	10+21	13.7 - 15.2	A-2-4(O)	NP	NP	20.4	54.5	13.7	11.4	99.0	89.0	30.0	-	4.3



-SR5-

*NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
GEOTECHNICAL ENGINEERING UNIT*

SUBSURFACE INVESTIGATION

***APPENDIX A
CPT LOGS***

SOME LOGS WERE REMOVED FROM THE FILE
BECAUSE THEY DID NOT APPEAR ON THIS PROJECT

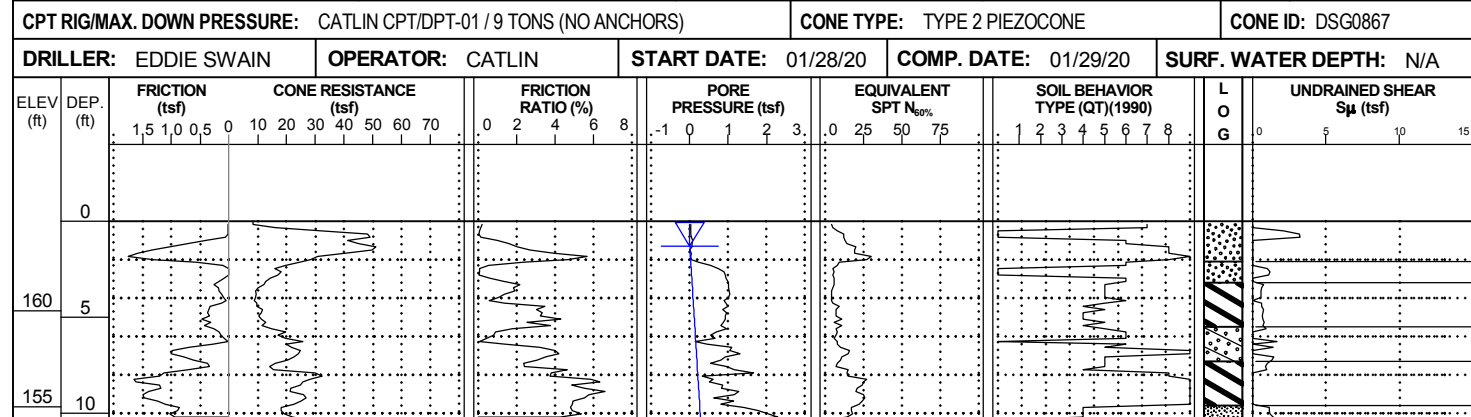
REFERENCE: I-5987B

PROJECT: 47533

CONE PENETROMETER TEST BORING REPORT

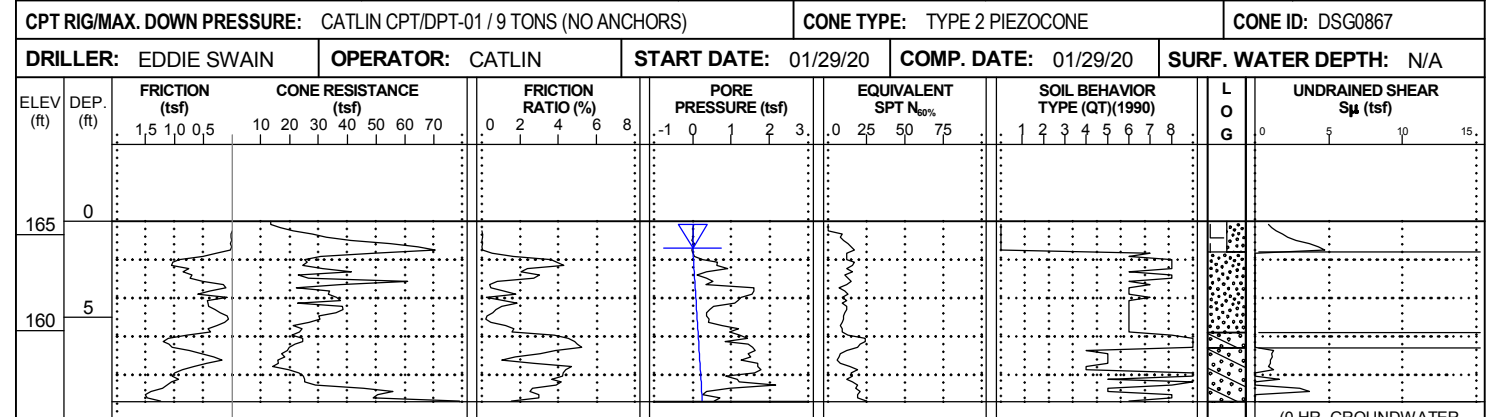


WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_49700	STATION: 497+00	OFFSET: CL	ALIGNMENT: -L-
COLLAR ELEV.: 164.7 ft	TOTAL DEPTH: 10.4 ft	NORTHING: 374,591	EASTING: 2,001,374
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 01/28/20	COMP. DATE: 01/29/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 154.3 ft

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_50200	STATION: 502+00	OFFSET: CL	ALIGNMENT: -L-
COLLAR ELEV.: 165.7 ft	TOTAL DEPTH: 9.4 ft	NORTHING: 375,089	EASTING: 2,001,410
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 01/29/20	COMP. DATE: 01/29/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 156.3 ft

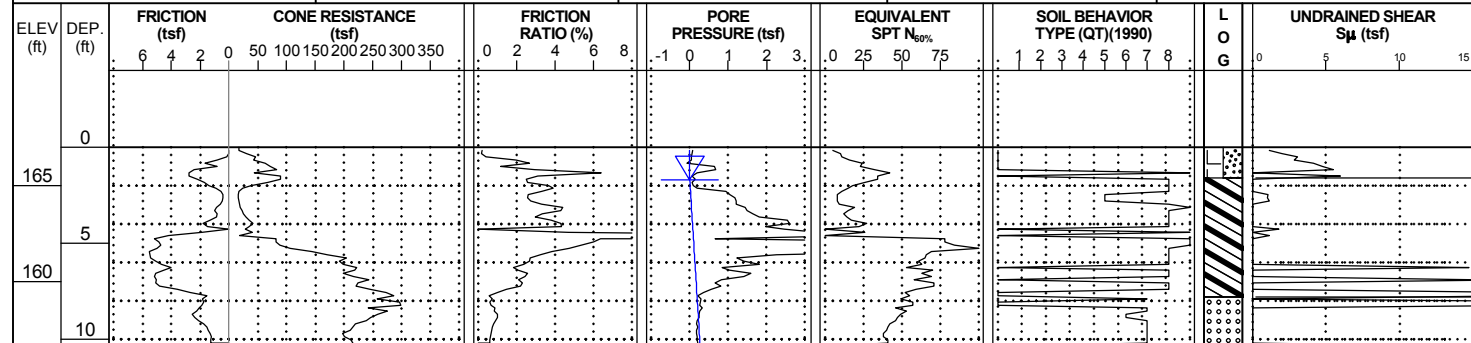
NCDOI CPT DOUBLE (PORTRAIT) NO-LITH I5987_GEO_ROWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT

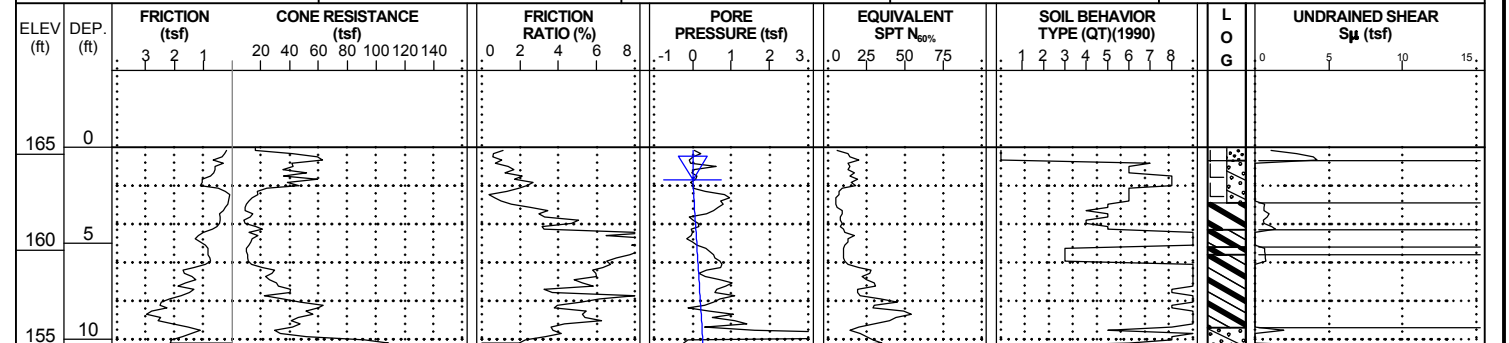


WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_50700	STATION: 507+00	OFFSET: CL	ALIGNMENT: -L-
COLLAR ELEV.: 167.0 ft	TOTAL DEPTH: 10.4 ft	NORTHING: 375,588	EASTING: 2,001,445
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 01/29/20	COMP. DATE: 01/29/20
		SURF. WATER DEPTH: N/A	

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_51200	STATION: 512+00	OFFSET: CL	ALIGNMENT: -L-
COLLAR ELEV.: 165.4 ft	TOTAL DEPTH: 10.4 ft	NORTHING: 376,087	EASTING: 2,001,480
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 01/29/20	COMP. DATE: 01/29/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 156.6 ft



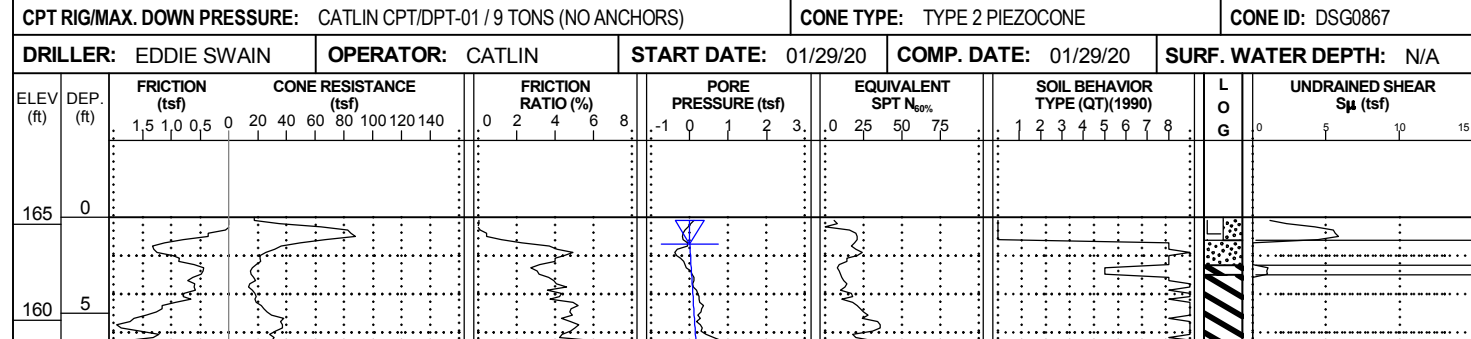
(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 155.0 ft

NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I-5987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT

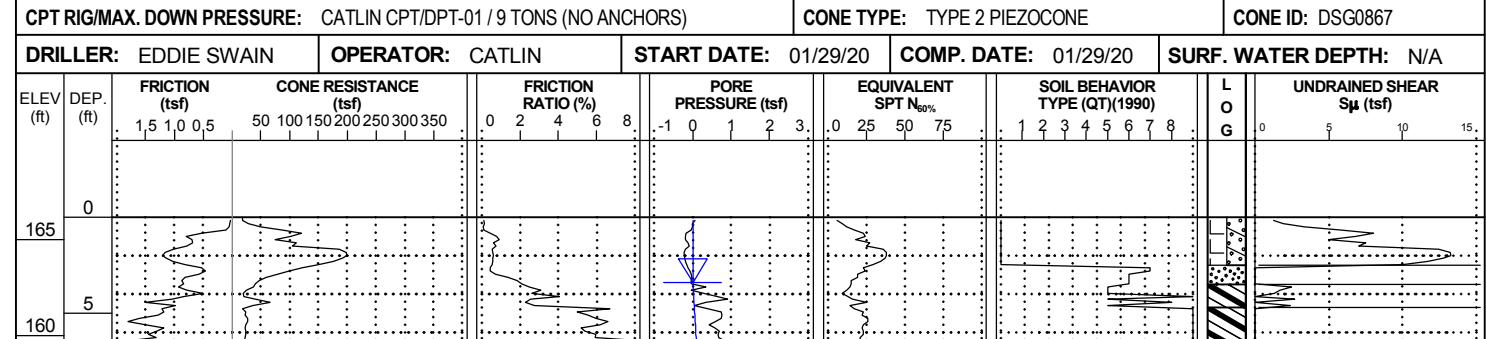


WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_51700	STATION: 517+00	OFFSET: CL	ALIGNMENT: -L-
COLLAR ELEV.: 165.4 ft	TOTAL DEPTH: 6.5 ft	NORTHING: 376,586	EASTING: 2,001,516
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 01/29/20	COMP. DATE: 01/29/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 158.9 ft

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_52200	STATION: 522+00	OFFSET: CL	ALIGNMENT: -L-
COLLAR ELEV.: 166.1 ft	TOTAL DEPTH: 6.5 ft	NORTHING: 377,084	EASTING: 2,001,551
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 01/29/20	COMP. DATE: 01/29/20
		SURF. WATER DEPTH: N/A	



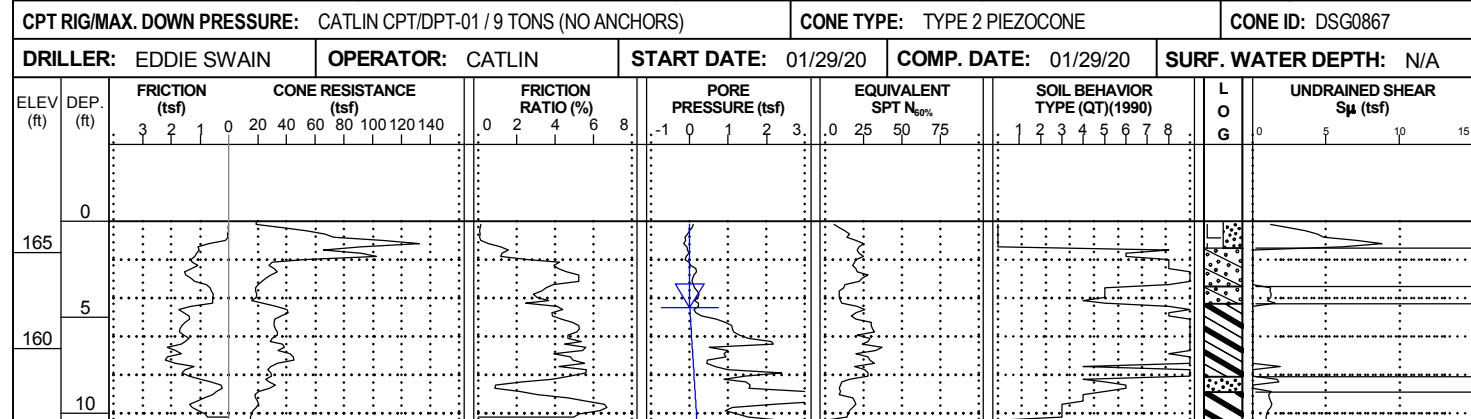
(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 159.6 ft

NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I5987_GEO_ROWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT

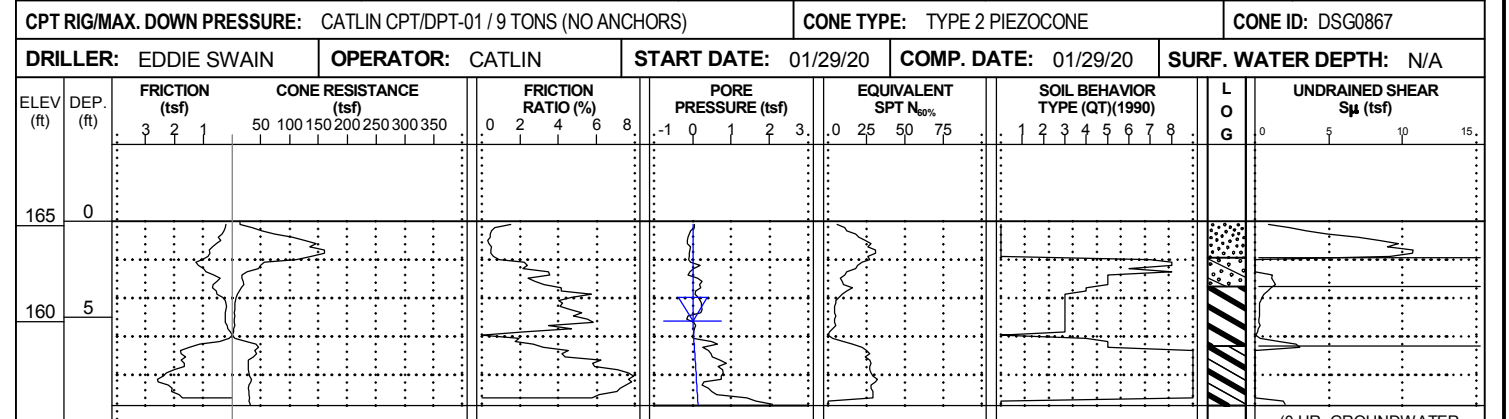


WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_52700	STATION: 527+00	OFFSET: CL	ALIGNMENT: -L-
COLLAR ELEV.: 166.6 ft	TOTAL DEPTH: 10.5 ft	NORTHING: 377,583	EASTING: 2,001,586
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 01/29/20	COMP. DATE: 01/29/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 156.1 ft

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_53200	STATION: 532+00	OFFSET: CL	ALIGNMENT: -L-
COLLAR ELEV.: 165.2 ft	TOTAL DEPTH: 9.6 ft	NORTHING: 378,082	EASTING: 2,001,622
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 01/29/20	COMP. DATE: 01/29/20
		SURF. WATER DEPTH: N/A	



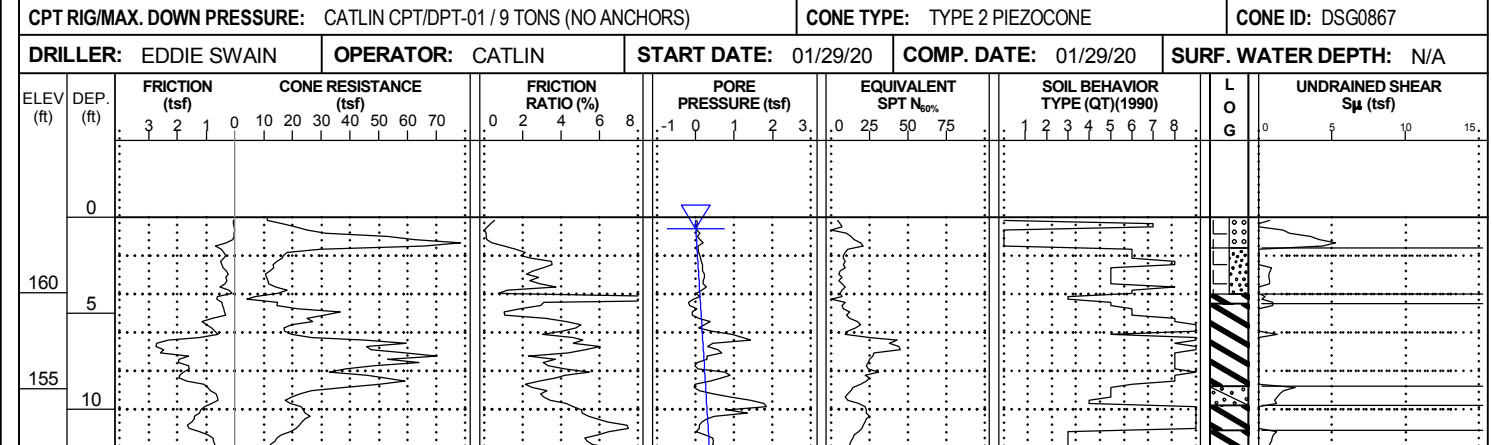
(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 155.6 ft

NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I-5987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ NCDOT_CATLIN.GDT 07/30/20

CONE PENETROMETER TEST BORING REPORT

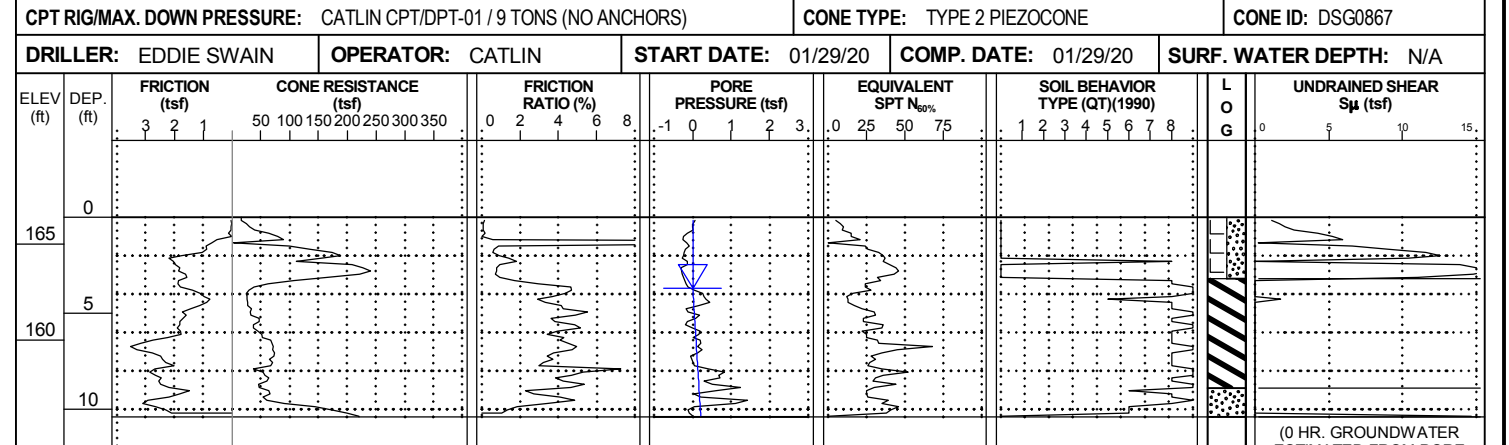


WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_53700	STATION: 537+00	OFFSET: CL	ALIGNMENT: -L-
COLLAR ELEV.: 163.9 ft	TOTAL DEPTH: 12.4 ft	NORTHING: 378,581	EASTING: 2,001,657
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 01/29/20	COMP. DATE: 01/29/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 151.5 ft

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_54200	STATION: 542+00	OFFSET: CL	ALIGNMENT: -L-
COLLAR ELEV.: 166.4 ft	TOTAL DEPTH: 10.4 ft	NORTHING: 379,078	EASTING: 2,001,709
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 01/29/20	COMP. DATE: 01/29/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 156.0 ft

PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER - EST. GROUNDWATER SUSPECT

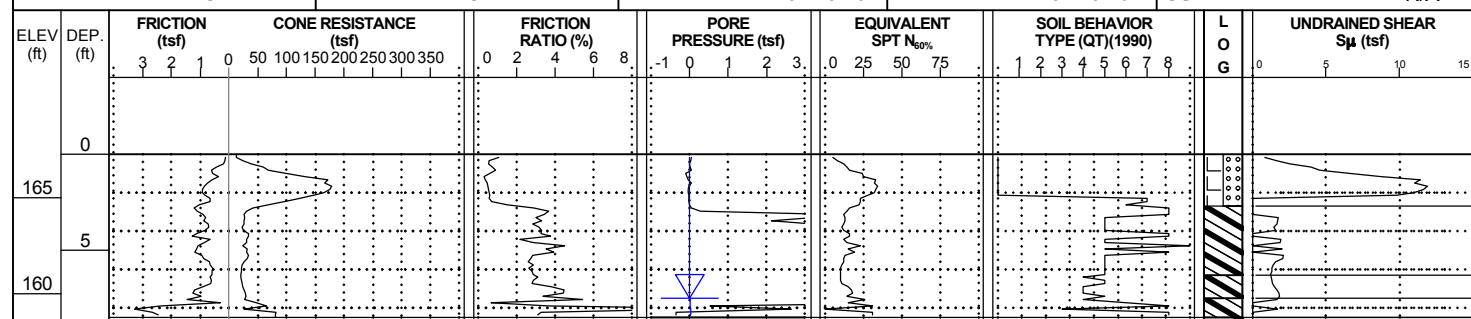
NCDOT CPT DOUBLE (PORTRAIT) NO-LITH 15987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT



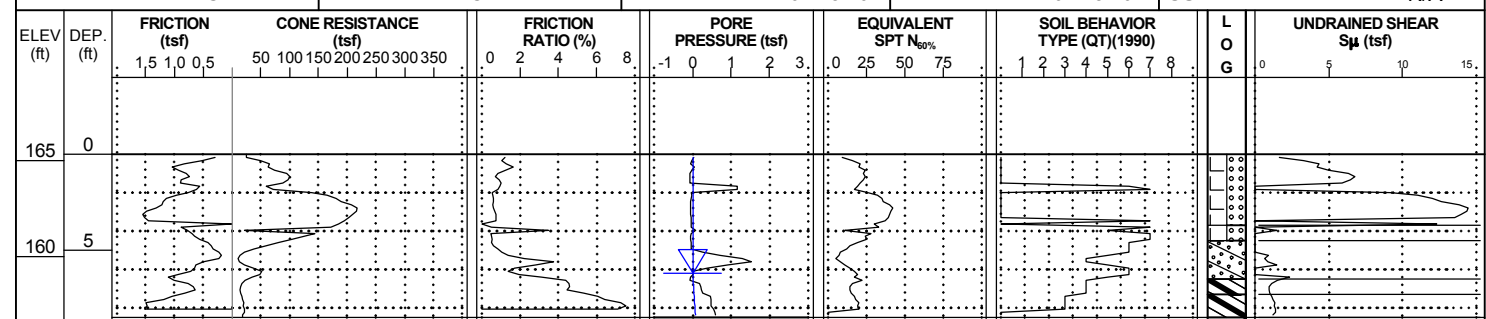
WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_54700	STATION: 547+00	OFFSET: CL	ALIGNMENT: -L-
COLLAR ELEV.: 167.2 ft	TOTAL DEPTH: 8.5 ft	NORTHING: 379,569	EASTING: 2,001,803
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 01/29/20	COMP. DATE: 01/29/20
		SURF. WATER DEPTH: N/A	

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_55200_LT	STATION: 552+00	OFFSET: 85 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 165.3 ft	TOTAL DEPTH: 8.5 ft	NORTHING: 380,076	EASTING: 2,001,859
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 01/28/20	COMP. DATE: 01/28/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 158.7 ft

PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER - EST. GROUNDWATER SUSPECT



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 156.8 ft

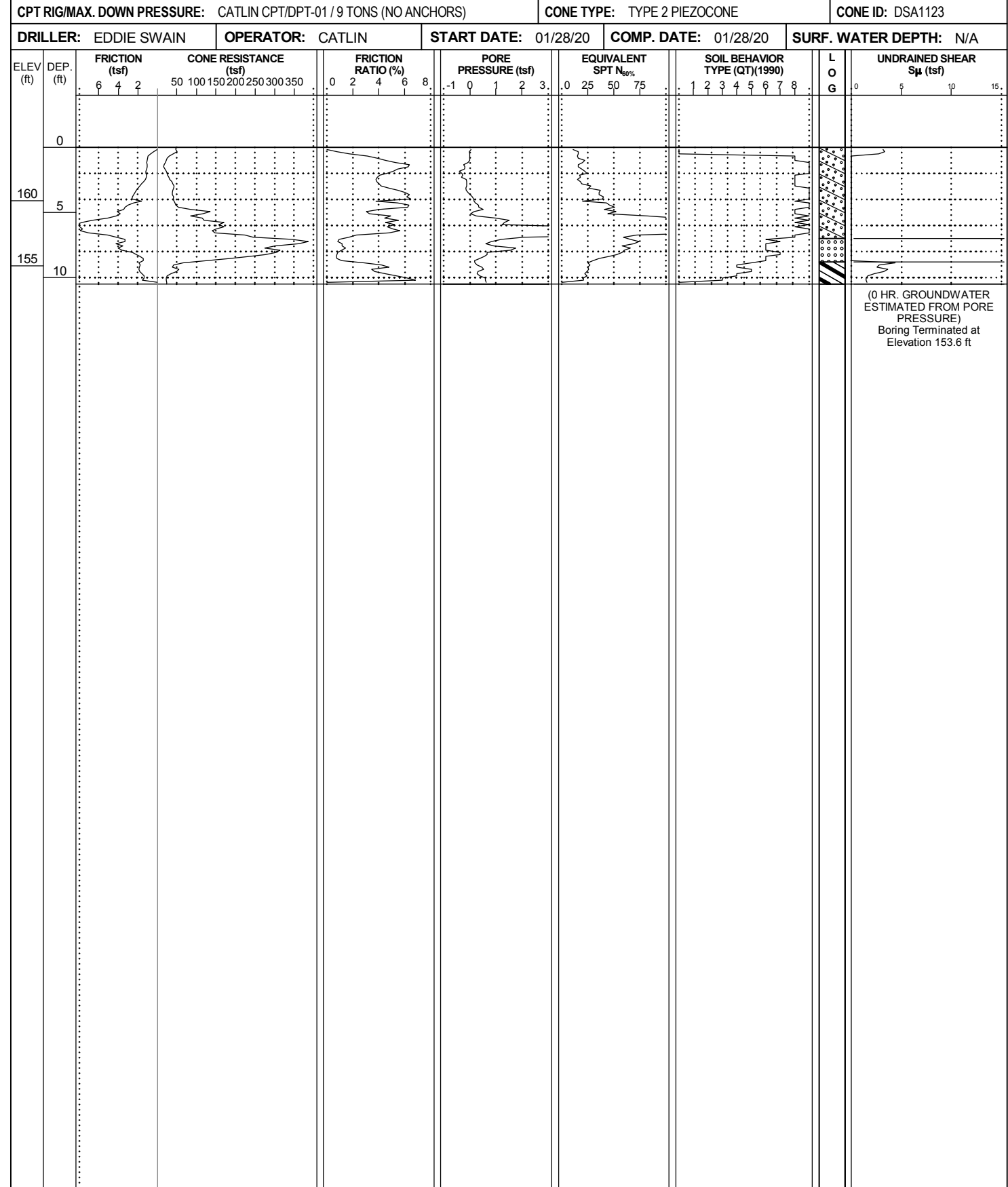
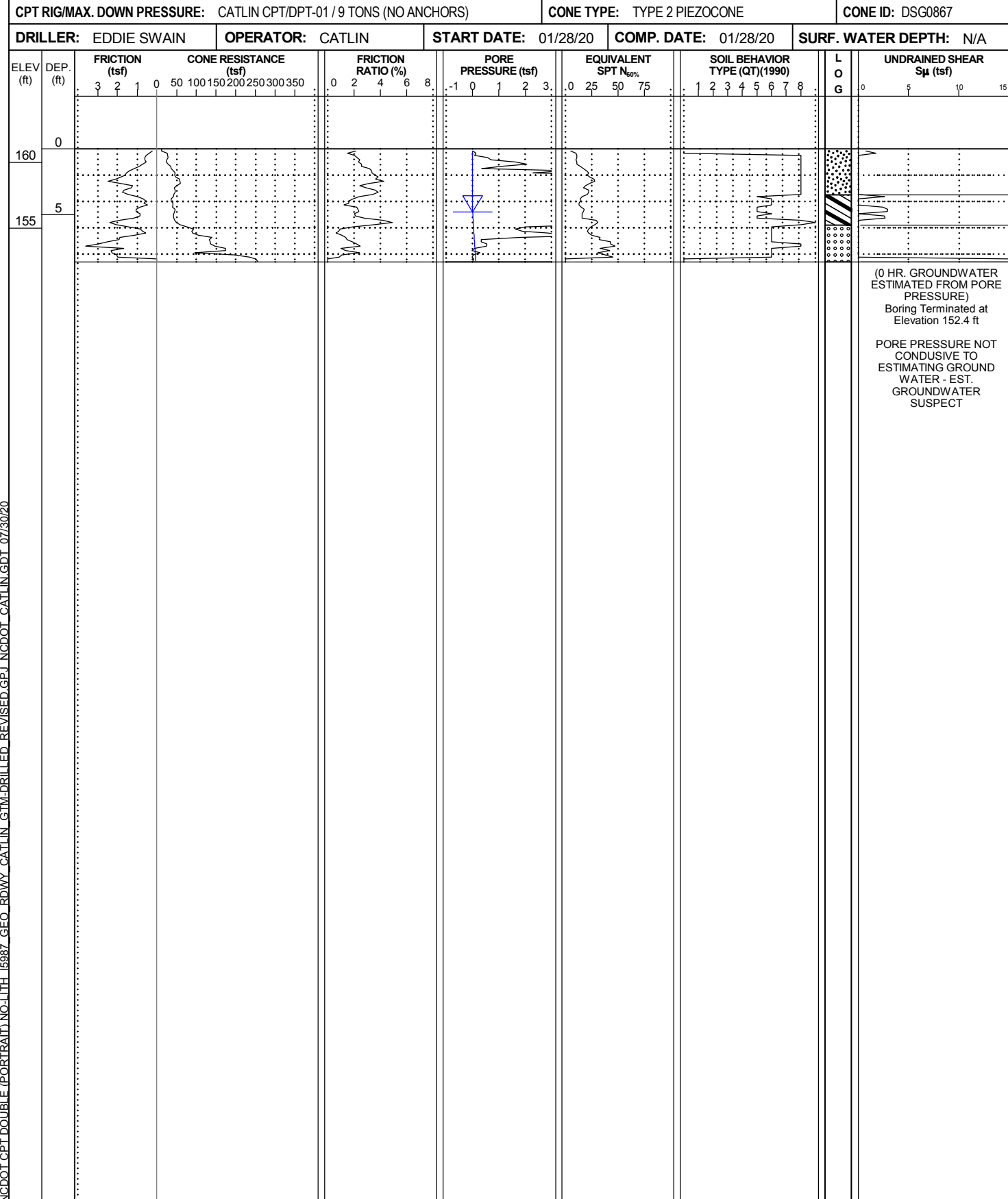
NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I-5987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_55700_LT	STATION: 557+00	OFFSET: 80 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 161.0 ft	TOTAL DEPTH: 8.6 ft	NORTHING: 380,548	EASTING: 2,002,031
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 01/28/20	COMP. DATE: 01/28/20
EST. 0 HR. 4.8		24 HR. N/A	

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_56200_LT	STATION: 562+00	OFFSET: 93 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 164.1 ft	TOTAL DEPTH: 10.5 ft	NORTHING: 381,023	EASTING: 2,002,186
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSA1123
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 01/28/20	COMP. DATE: 01/28/20
EST. 0 HR. Dry		24 HR. N/A	

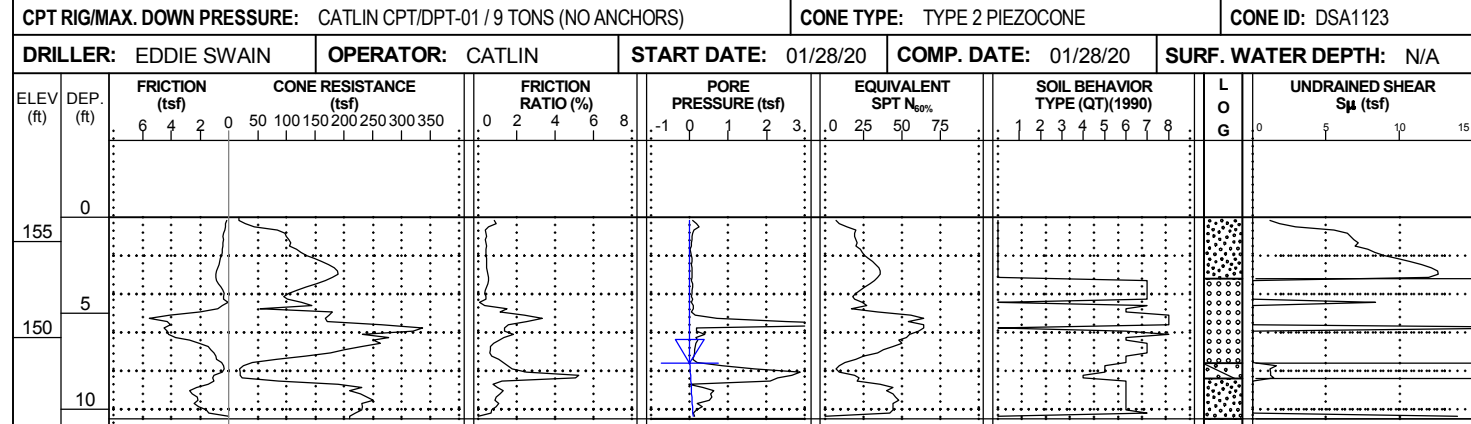


NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I5987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT

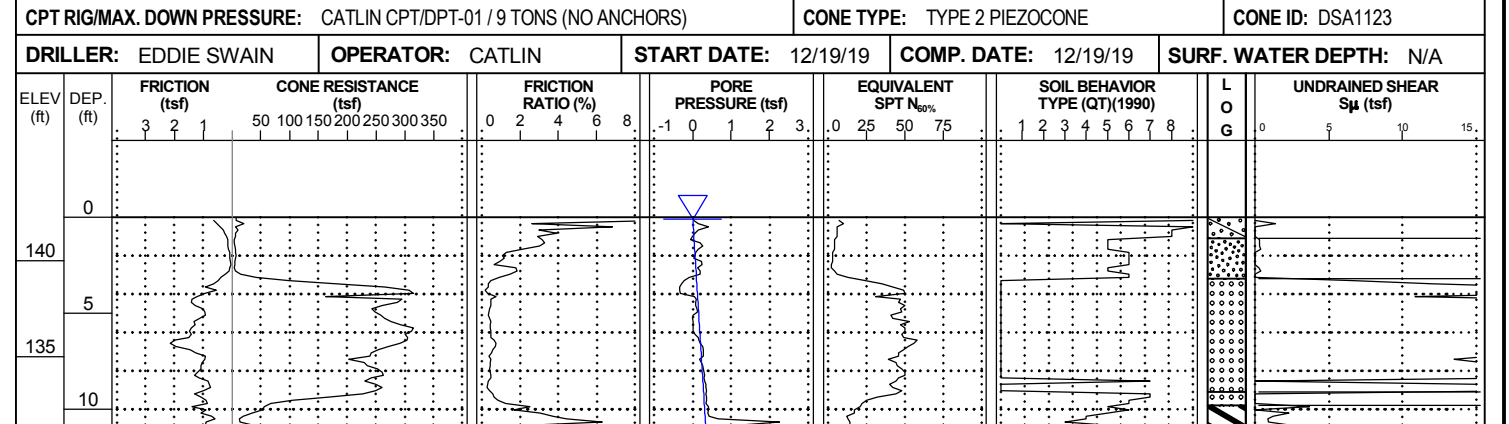


WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_56700_LT	STATION: 567+00	OFFSET: 70 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 156.3 ft	TOTAL DEPTH: 10.5 ft	NORTHING: 381,487	EASTING: 2,002,375
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSA1123
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 01/28/20	COMP. DATE: 01/28/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 145.8 ft

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_57700_LT	STATION: 577+00	OFFSET: 90 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 142.3 ft	TOTAL DEPTH: 14.5 ft	NORTHING: 382,435	EASTING: 2,002,692
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSA1123
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 12/19/19	COMP. DATE: 12/19/19
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 127.8 ft

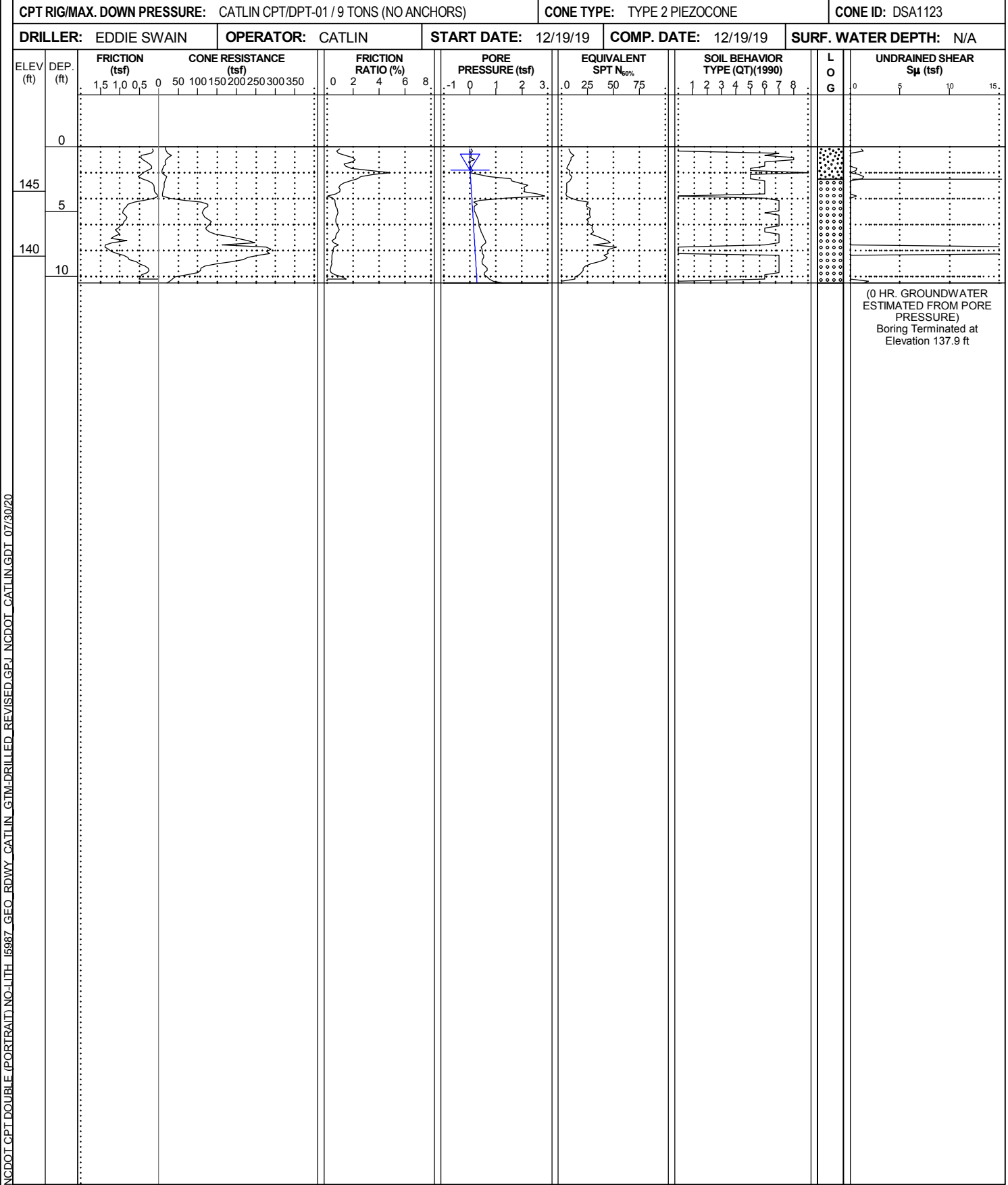
PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER - EST. GROUNDWATER SUSPECT

NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I5987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

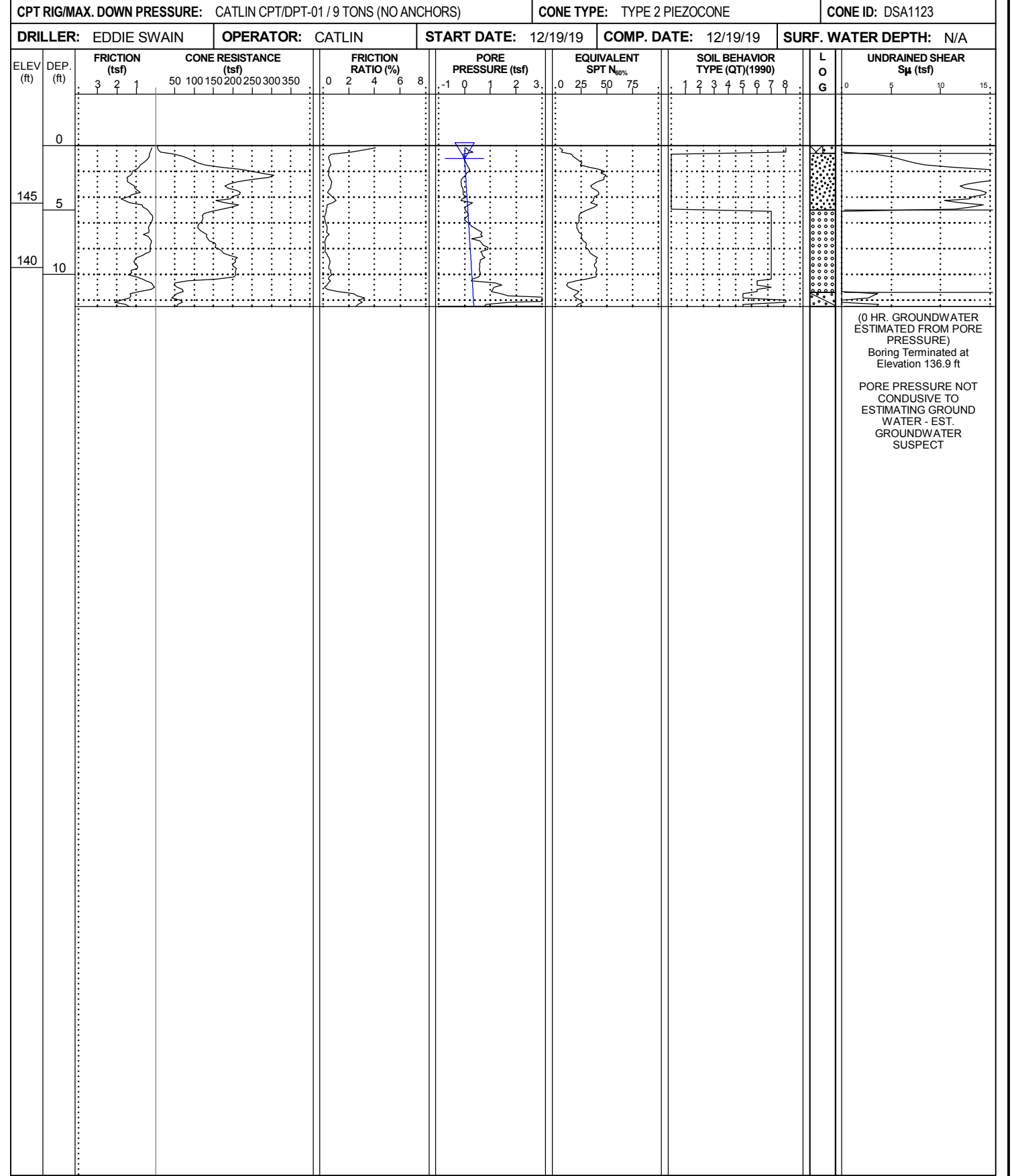
CONE PENETROMETER TEST BORING REPORT



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_59200_LT	STATION: 592+00	OFFSET: 74 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 148.4 ft	TOTAL DEPTH: 10.5 ft	NORTHING: 383,843	EASTING: 2,003,210
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSA1123
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 12/19/19	COMP. DATE: 12/19/19
SURF. WATER DEPTH: N/A			



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_59700_LT	STATION: 597+00	OFFSET: 90 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 149.4 ft	TOTAL DEPTH: 12.5 ft	NORTHING: 384,320	EASTING: 2,003,362
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSA1123
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 12/19/19	COMP. DATE: 12/19/19
SURF. WATER DEPTH: N/A			

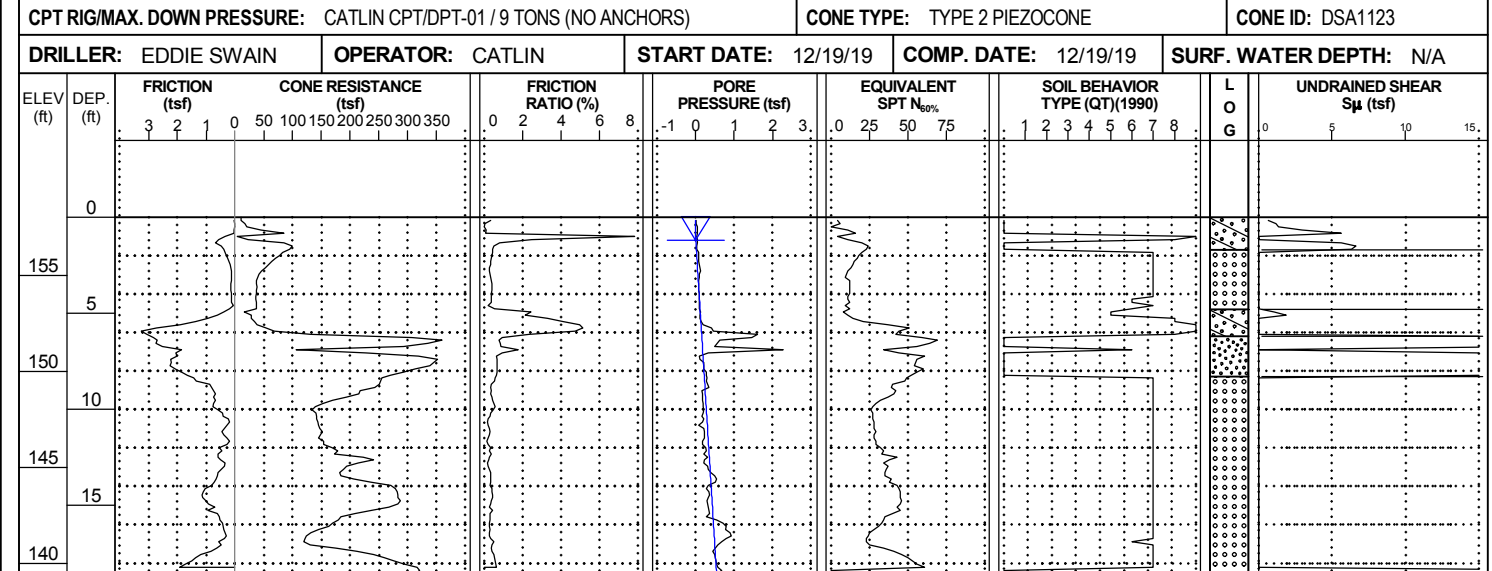


NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I-5987_GEO_ROWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT



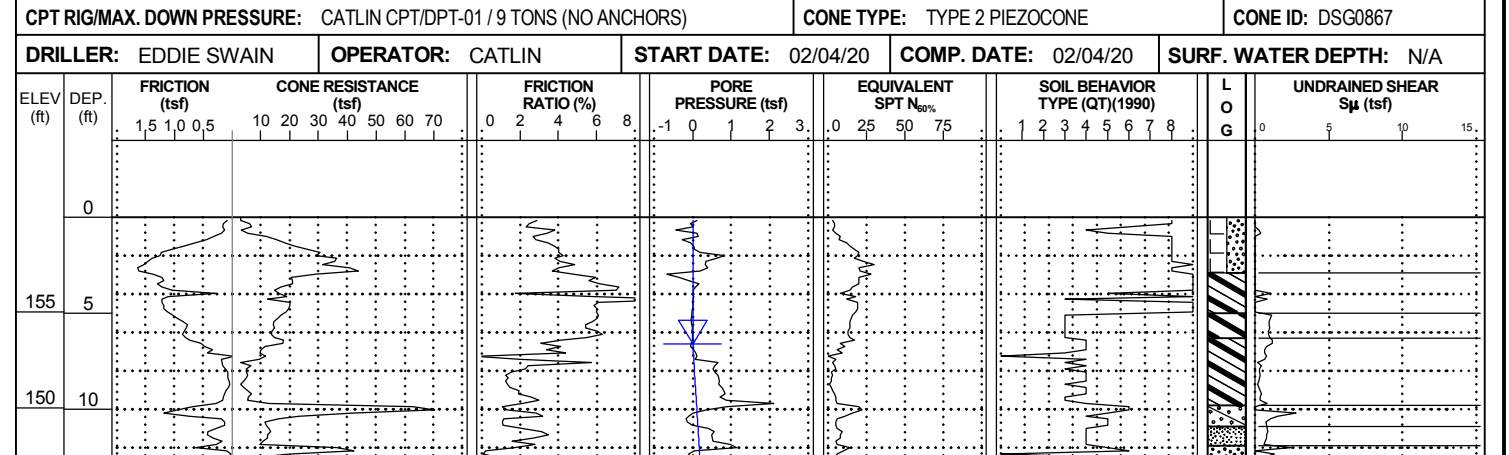
WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_60200_LT	STATION: 602+00	OFFSET: 85 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 158.0 ft	TOTAL DEPTH: 18.6 ft	NORTHING: 384,789	EASTING: 2,003,534
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSA1123
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 12/19/19	COMP. DATE: 12/19/19
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 139.4 ft

PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER - EST. GROUNDWATER SUSPECT

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_63200_RT	STATION: 632+00	OFFSET: 80 ft RT	ALIGNMENT: -L-
COLLAR ELEV.: 159.9 ft	TOTAL DEPTH: 12.5 ft	NORTHING: 387,613	EASTING: 2,004,557
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/04/20	COMP. DATE: 02/04/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 147.4 ft

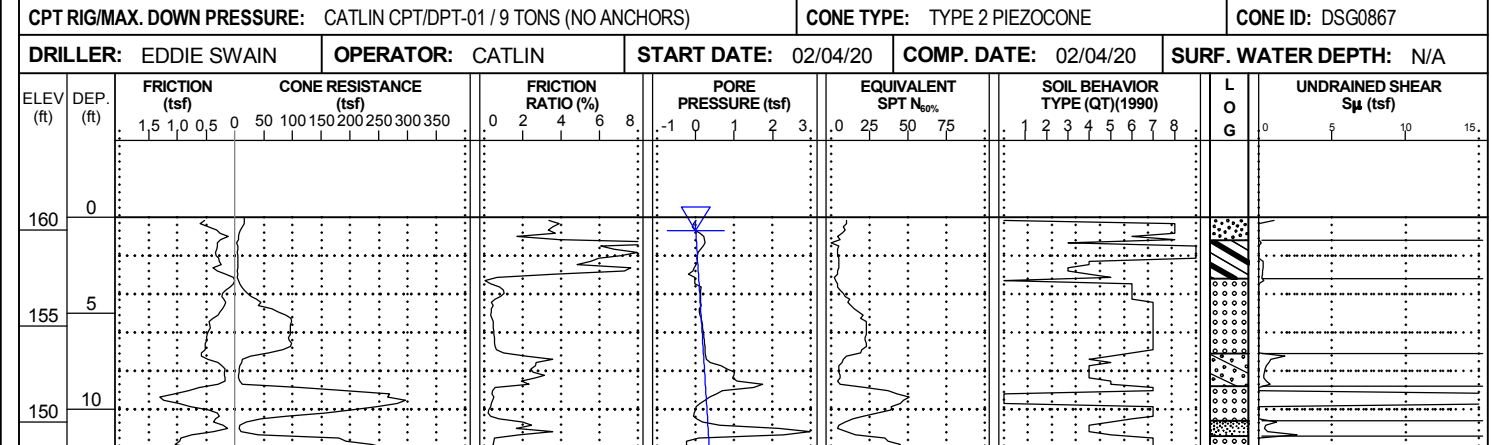
PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER - EST. GROUNDWATER SUSPECT

NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I5987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT



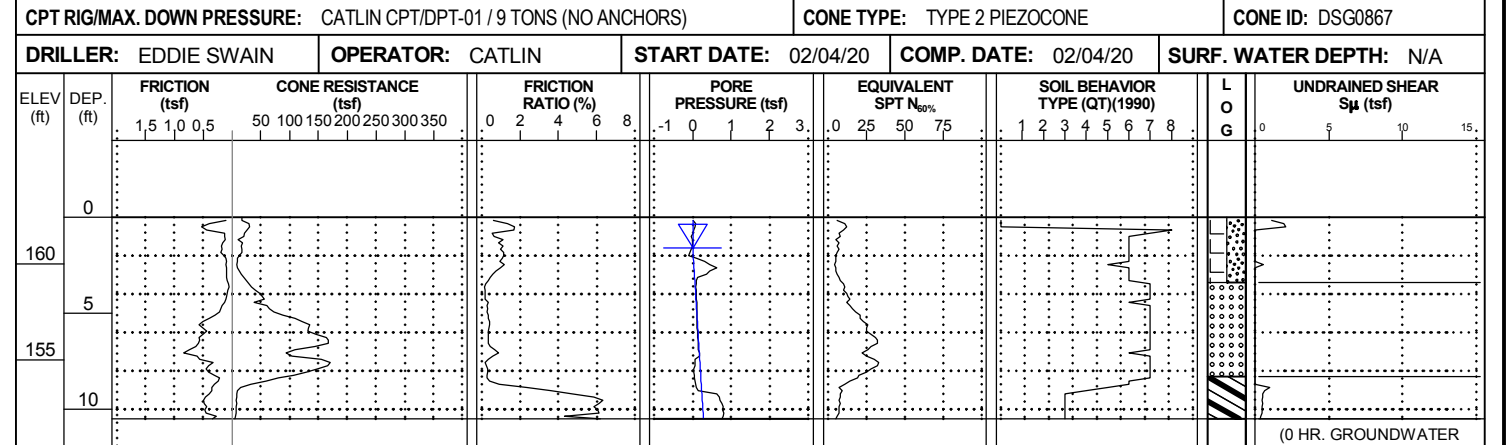
WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_63700_RT	STATION: 637+00	OFFSET: 80 ft RT	ALIGNMENT: -L-
COLLAR ELEV.: 160.7 ft	TOTAL DEPTH: 12.5 ft	NORTHING: 388,105	EASTING: 2,004,641
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/04/20	COMP. DATE: 02/04/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 148.2 ft

PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER - EST. GROUNDWATER SUSPECT

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_64200_RT	STATION: 642+00	OFFSET: 80 ft RT	ALIGNMENT: -L-
COLLAR ELEV.: 162.4 ft	TOTAL DEPTH: 10.5 ft	NORTHING: 388,598	EASTING: 2,004,725
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/04/20	COMP. DATE: 02/04/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 151.9 ft

PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER - EST. GROUNDWATER SUSPECT

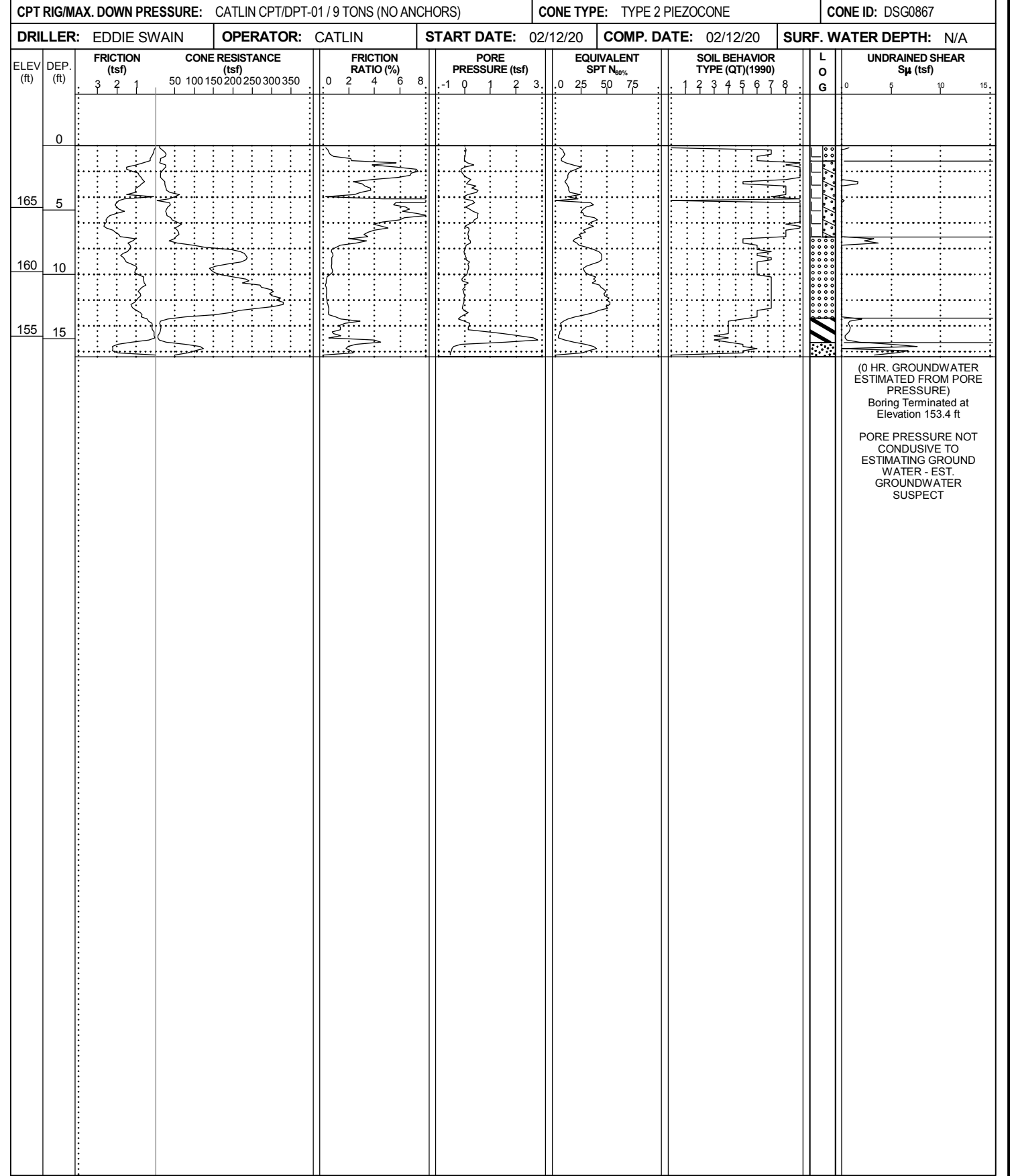
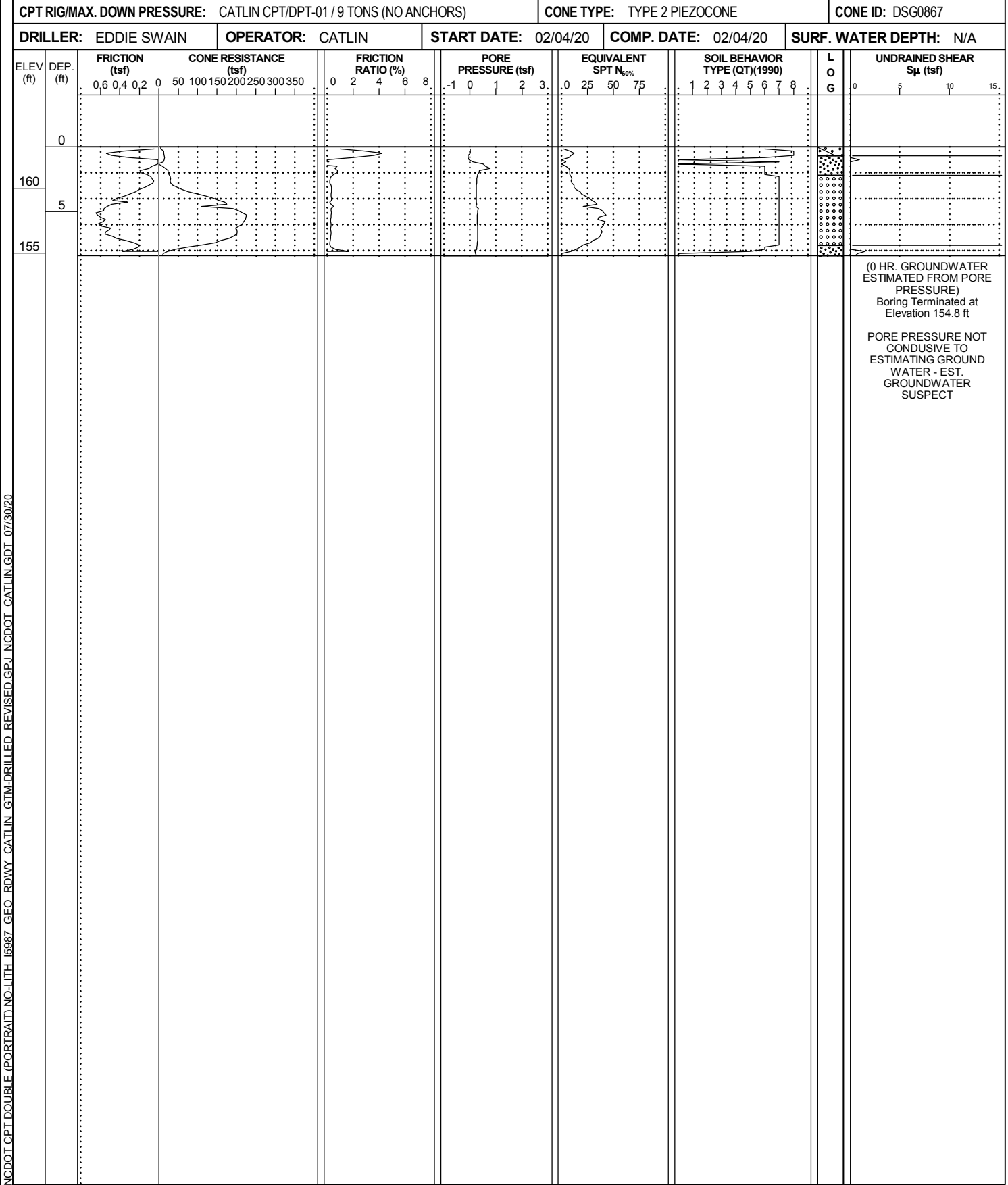
NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I5987_GEO_ROWY_CATLIN_GTM-DRILLED_REVISED.GPJ NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_64700_RT	STATION: 647+00	OFFSET: 90 ft RT	ALIGNMENT: -L-
COLLAR ELEV.: 163.2 ft	TOTAL DEPTH: 8.4 ft	NORTHING: 389,089	EASTING: 2,004,819
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/04/20	COMP. DATE: 02/04/20
EST. 0 HR. Dry		24 HR. N/A	

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_71200_RT	STATION: 712+00	OFFSET: 81 ft RT	ALIGNMENT: -L-
COLLAR ELEV.: 169.8 ft	TOTAL DEPTH: 16.4 ft	NORTHING: 395,052	EASTING: 2,006,991
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/12/20	COMP. DATE: 02/12/20
EST. 0 HR. Dry		24 HR. N/A	



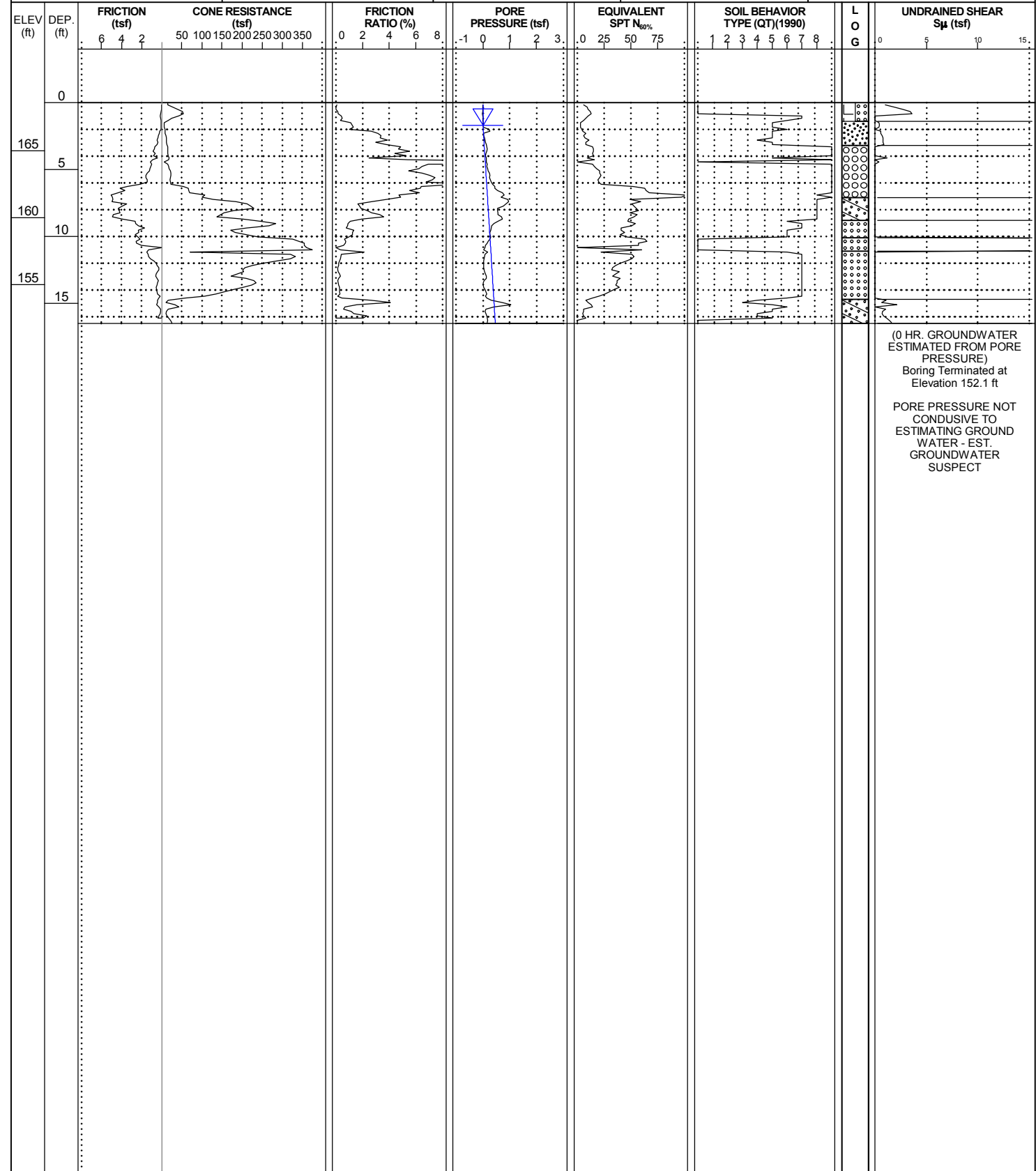
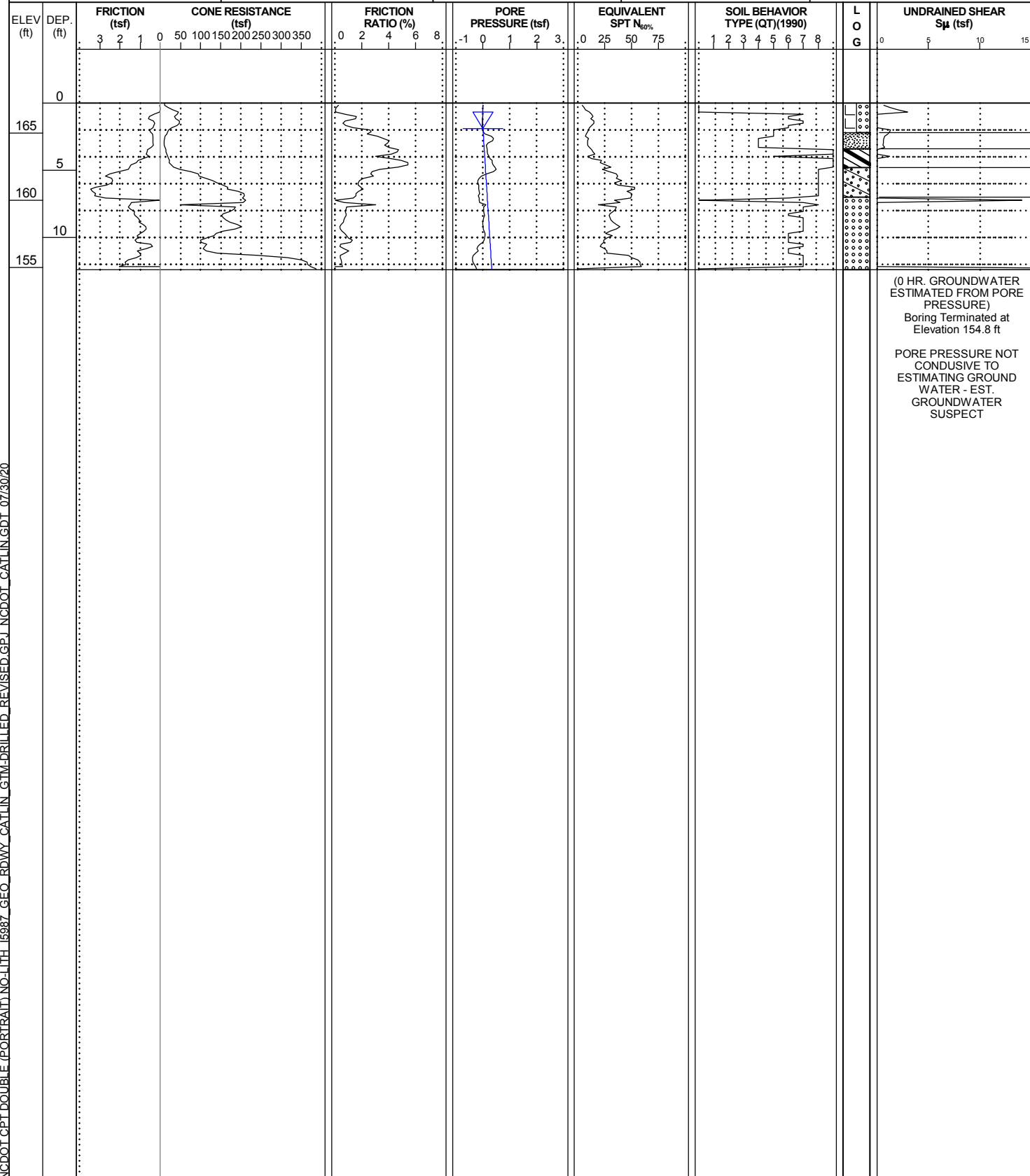
NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I-5987_GEO_ROWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_71700_RT	STATION: 717+00	OFFSET: 80 ft RT	ALIGNMENT: -L-
COLLAR ELEV.: 167.2 ft	TOTAL DEPTH: 12.4 ft	NORTHING: 395,464	EASTING: 2,007,274
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOcone	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/12/20	COMP. DATE: 02/12/20
SURF. WATER DEPTH: N/A		EST. 0 HR. 1.9	24 HR. N/A

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_72200_RT	STATION: 722+00	OFFSET: 83 ft RT	ALIGNMENT: -L-
COLLAR ELEV.: 168.6 ft	TOTAL DEPTH: 16.5 ft	NORTHING: 395,883	EASTING: 2,007,554
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOcone	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/12/20	COMP. DATE: 02/12/20
SURF. WATER DEPTH: N/A		EST. 0 HR. 1.7	24 HR. N/A

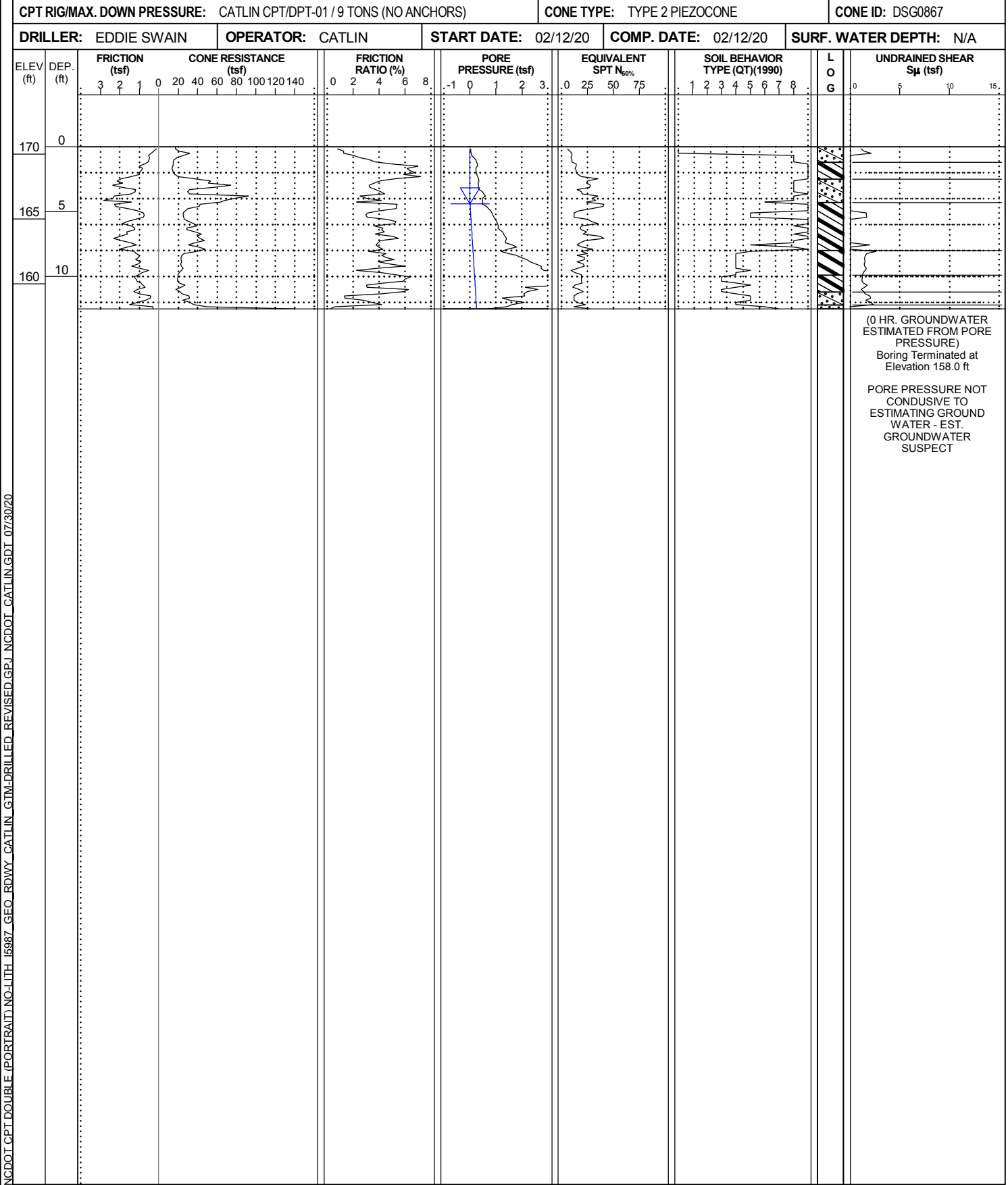


NCDOT CPT DOUBLE (PORTRAIT) NO-LITH 15987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

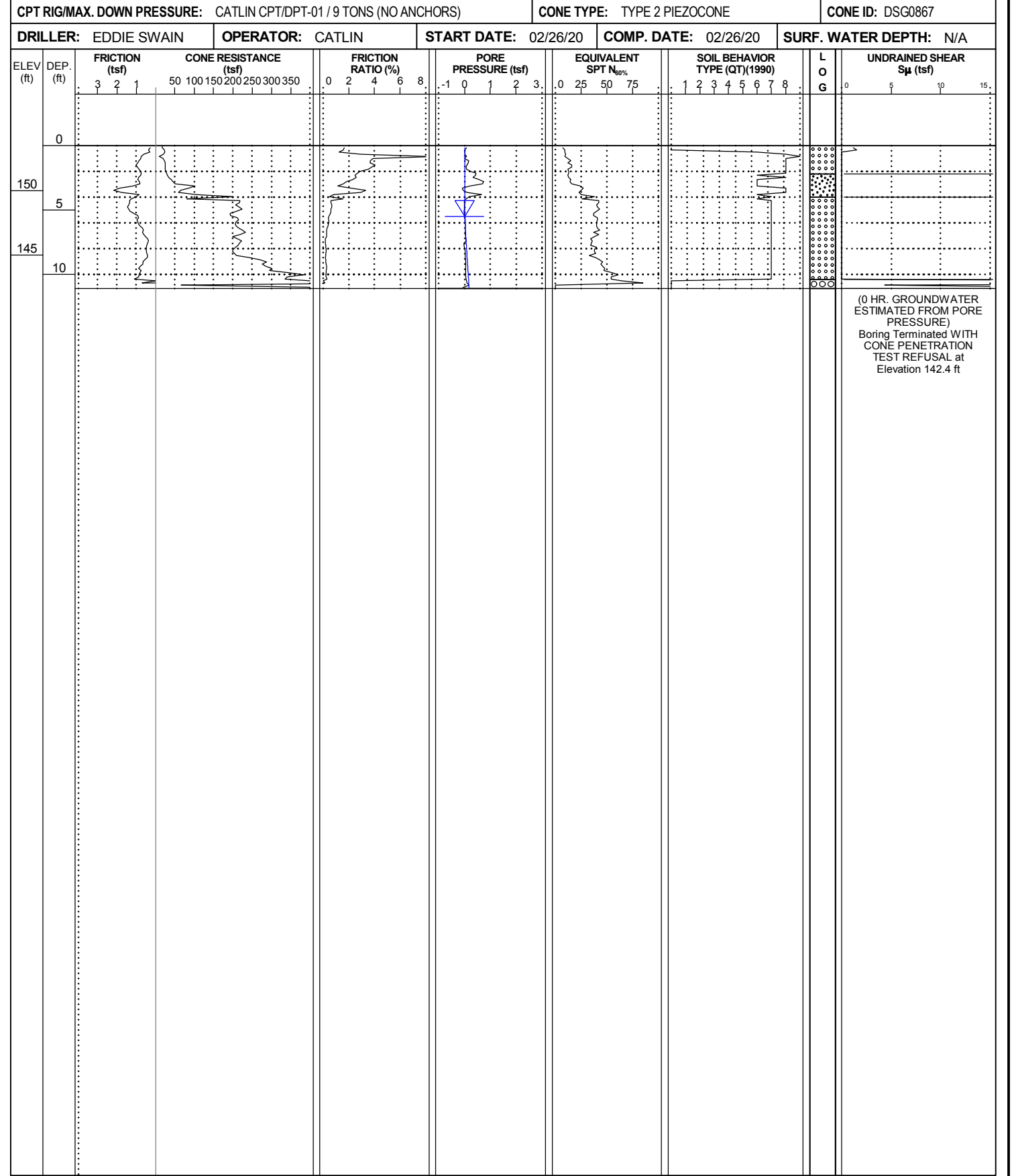
CONE PENETROMETER TEST BORING REPORT



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_72700_RT	STATION: 727+00	OFFSET: 82 ft RT	ALIGNMENT: -L-
COLLAR ELEV.: 170.5 ft	TOTAL DEPTH: 12.5 ft	NORTHING: 396,320	EASTING: 2,007,807
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/12/20	COMP. DATE: 02/12/20
		SURF. WATER DEPTH: N/A	



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_78700_LT	STATION: 787+00	OFFSET: 85 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 153.5 ft	TOTAL DEPTH: 11.1 ft	NORTHING: 401,939	EASTING: 2,009,907
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/26/20	COMP. DATE: 02/26/20
		SURF. WATER DEPTH: N/A	

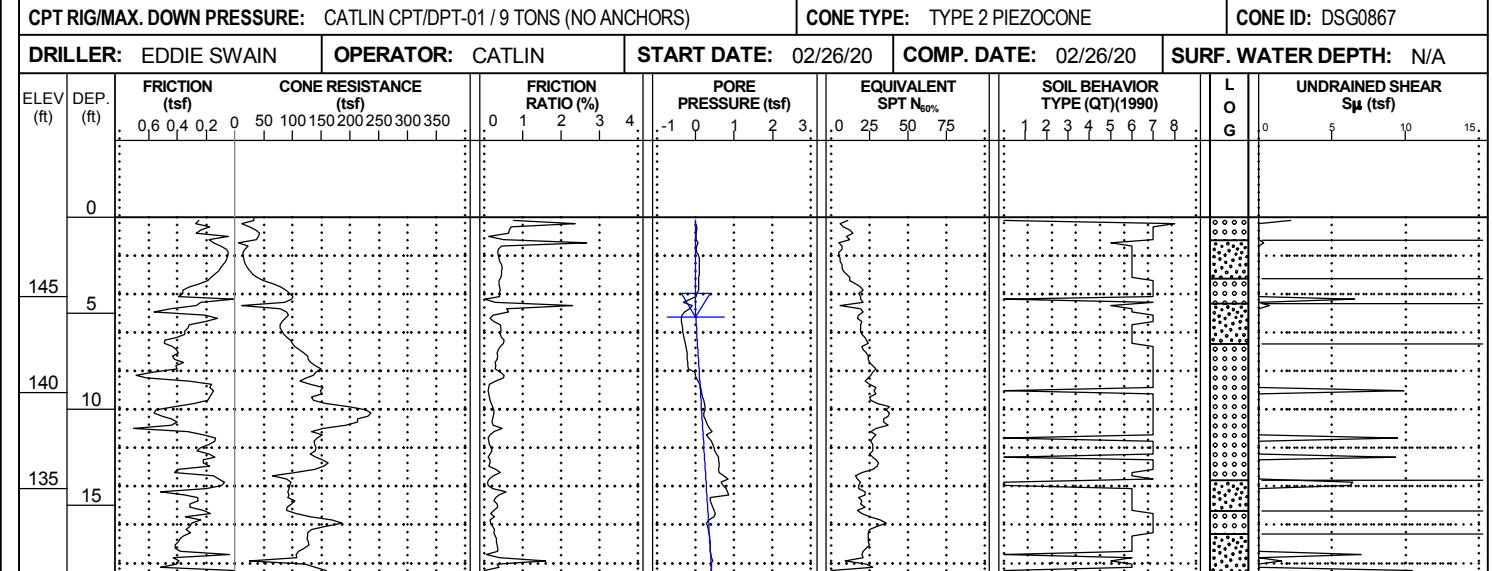


NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I-5987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT

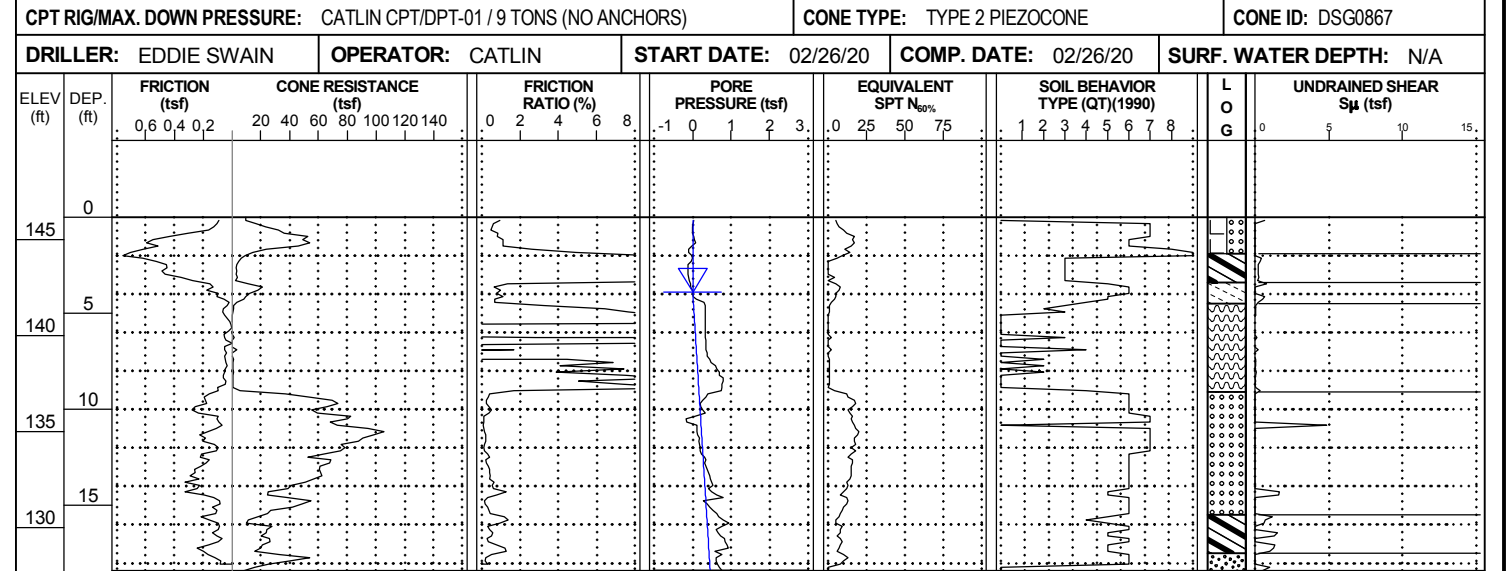


WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_79200_LT	STATION: 792+00	OFFSET: 75 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 149.1 ft	TOTAL DEPTH: 18.5 ft	NORTHING: 402,416	EASTING: 2,010,038
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/26/20	COMP. DATE: 02/26/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 130.6 ft

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_79700_LT	STATION: 797+00	OFFSET: 75 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 146.1 ft	TOTAL DEPTH: 18.4 ft	NORTHING: 402,903	EASTING: 2,010,128
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/26/20	COMP. DATE: 02/26/20
		SURF. WATER DEPTH: N/A	



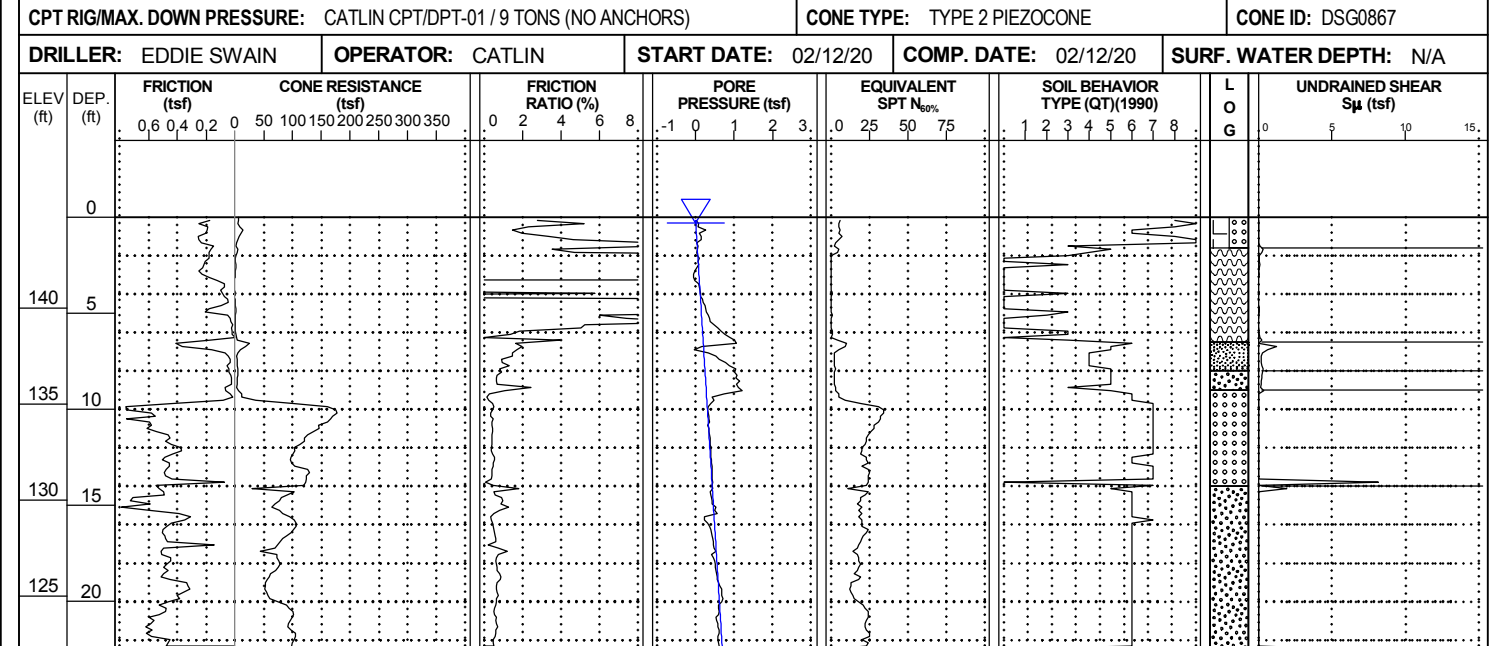
(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 127.7 ft

NCDOT CPT DOUBLE (PORTRAIT) NO-LITH 15987_GEO_ROWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_80700_RT	STATION: 807+00	OFFSET: 77 ft RT	ALIGNMENT: -L-
COLLAR ELEV.: 144.7 ft	TOTAL DEPTH: 22.6 ft	NORTHING: 403,870	EASTING: 2,010,424
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/12/20	COMP. DATE: 02/12/20
		SURF. WATER DEPTH: N/A	

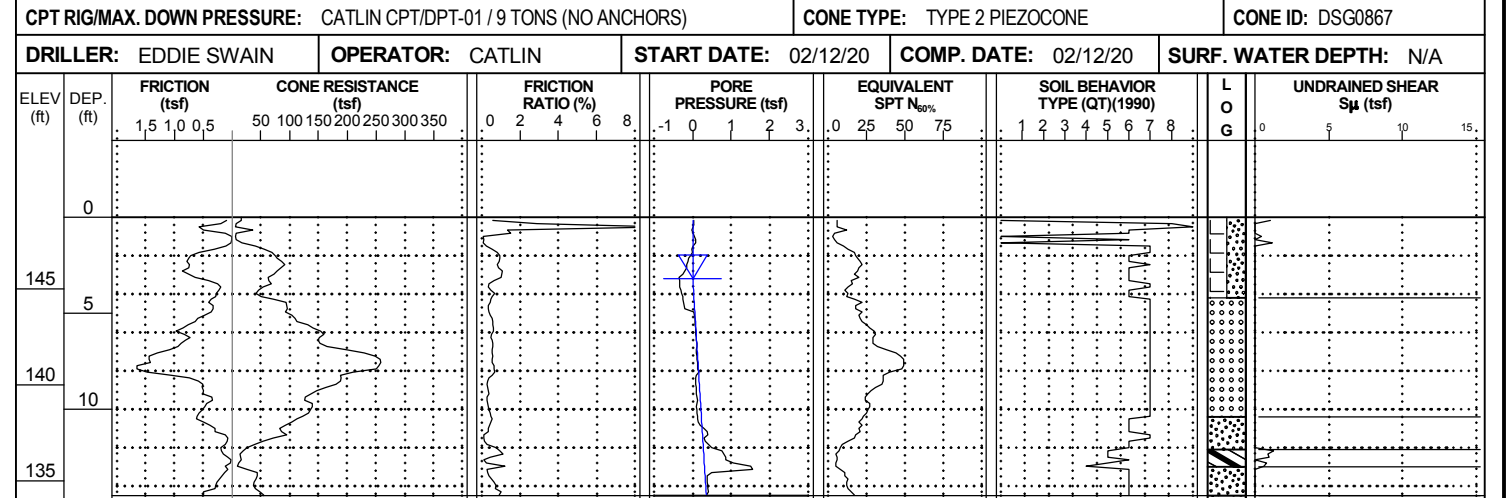


NCDOT CPT DOUBLE (PORTRAIT) NO-LITH 15987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 122.1 ft

PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER - EST. GROUNDWATER SUSPECT

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_81200_RT	STATION: 812+00	OFFSET: 67 ft RT	ALIGNMENT: -L-
COLLAR ELEV.: 148.7 ft	TOTAL DEPTH: 14.5 ft	NORTHING: 404,366	EASTING: 2,010,487
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/12/20	COMP. DATE: 02/12/20
		SURF. WATER DEPTH: N/A	



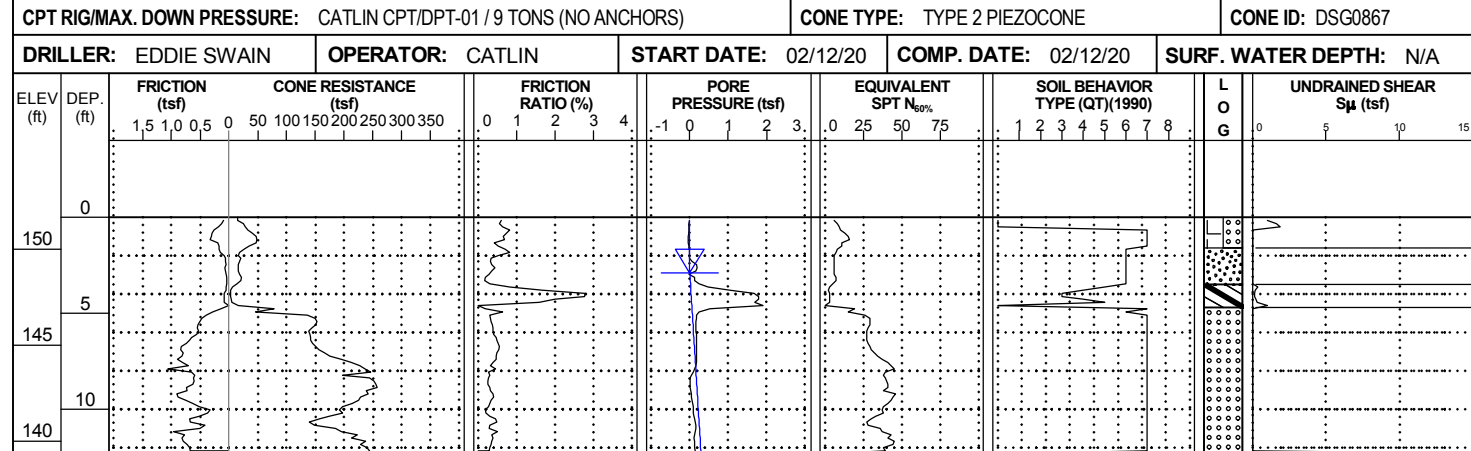
(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 134.2 ft

PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER - EST. GROUNDWATER SUSPECT

CONE PENETROMETER TEST BORING REPORT



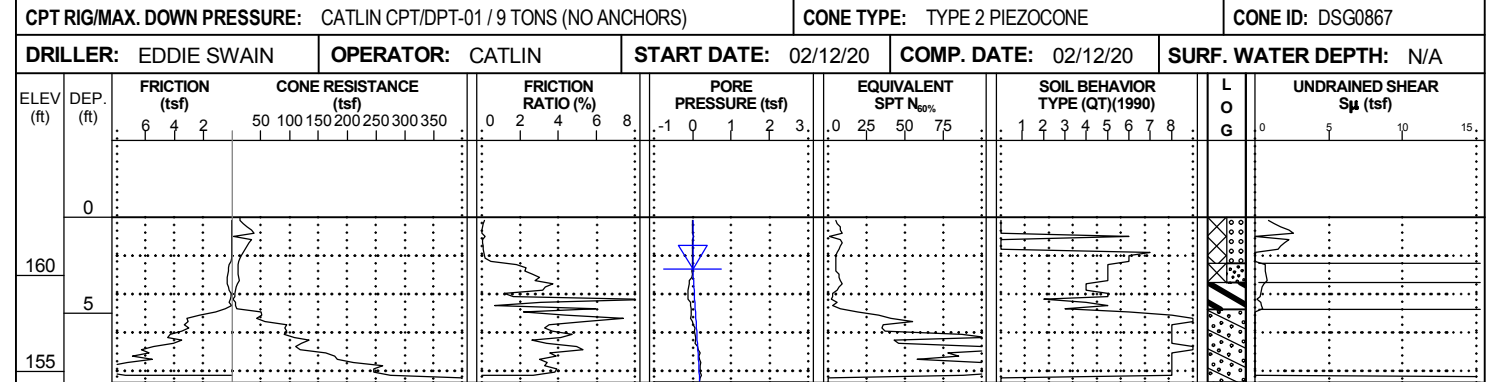
WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_81700_RT	STATION: 817+00	OFFSET: 71 ft RT	ALIGNMENT: -L-
COLLAR ELEV.: 151.6 ft	TOTAL DEPTH: 12.4 ft	NORTHING: 404,860	EASTING: 2,010,563
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/12/20	COMP. DATE: 02/12/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 139.2 ft

PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER - EST. GROUNDWATER SUSPECT

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_82200_RT	STATION: 822+00	OFFSET: 94 ft RT	ALIGNMENT: -L-
COLLAR ELEV.: 163.0 ft	TOTAL DEPTH: 8.6 ft	NORTHING: 405,352	EASTING: 2,010,659
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/12/20	COMP. DATE: 02/12/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated BY CONE PENETROMETER TEST REFUSAL at Elevation 154.4 ft

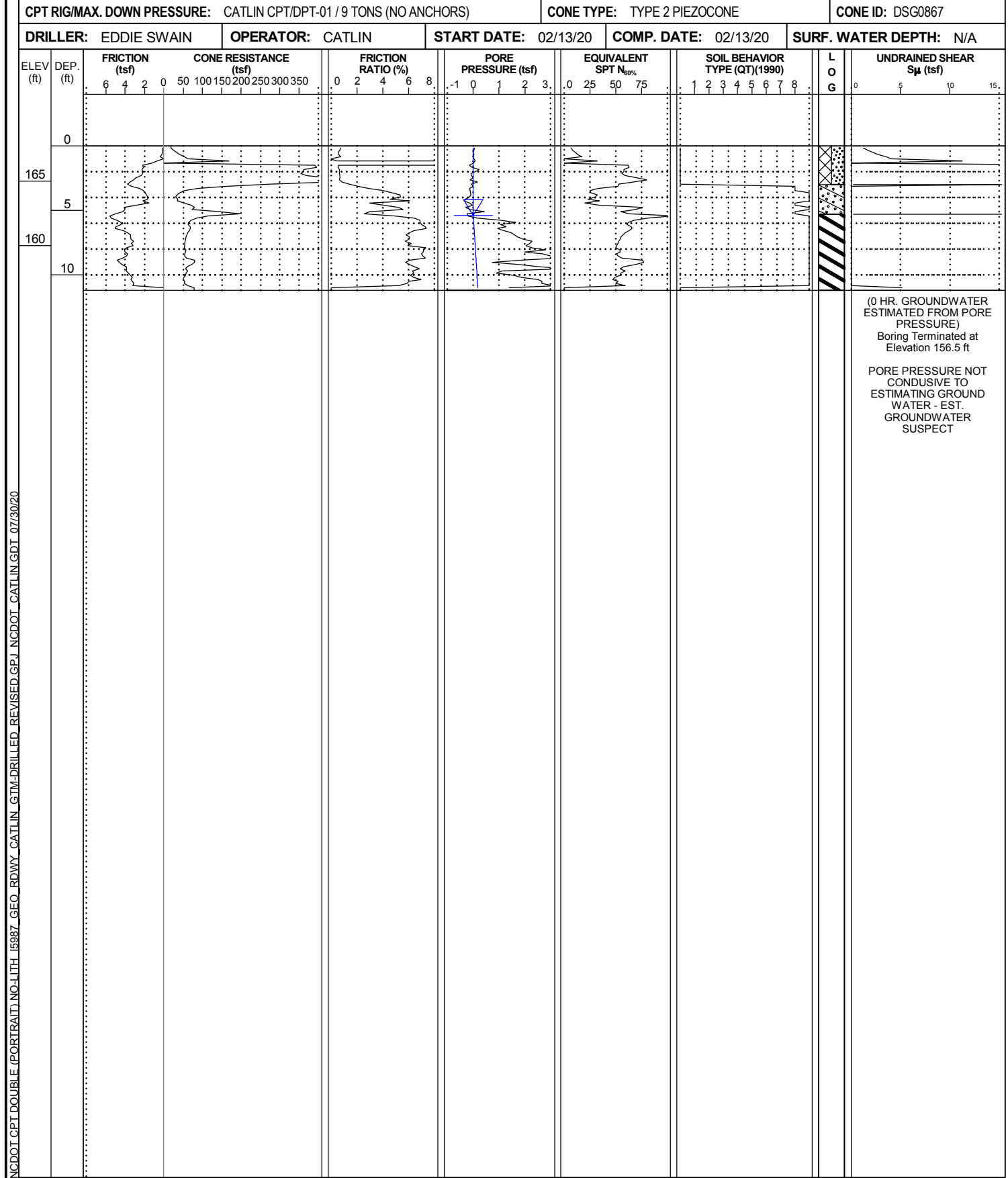
PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER - EST. GROUNDWATER SUSPECT

NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I5987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ NCDOT_CATLIN.GDT 07/30/20

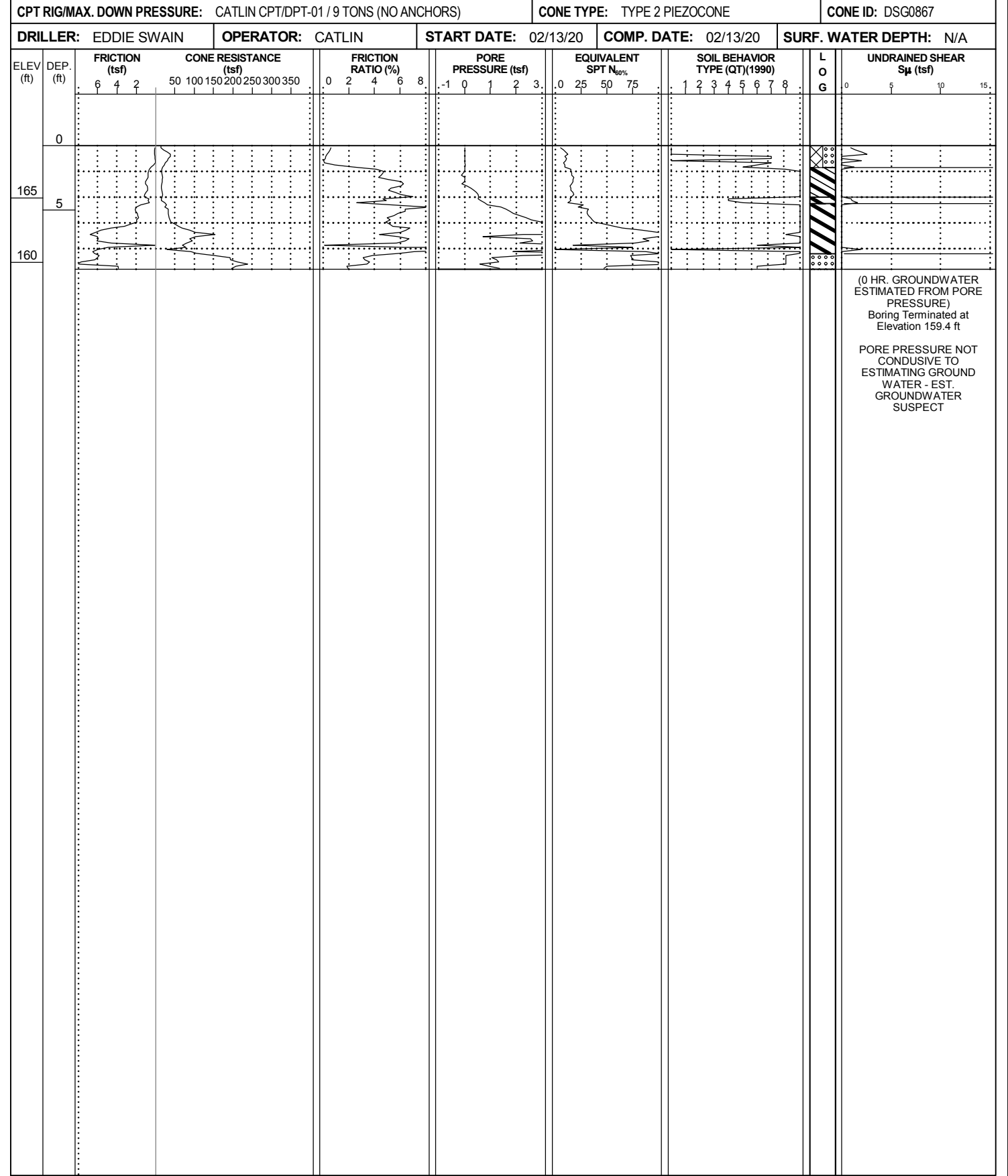
CONE PENETROMETER TEST BORING REPORT



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_82700_RT	STATION: 827+00	OFFSET: 93 ft RT	ALIGNMENT: -L-
COLLAR ELEV.: 167.7 ft	TOTAL DEPTH: 11.2 ft	NORTHING: 405,846	EASTING: 2,010,730
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/13/20	COMP. DATE: 02/13/20
		SURF. WATER DEPTH: N/A	



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_83200_RT	STATION: 832+00	OFFSET: 84 ft RT	ALIGNMENT: -L-
COLLAR ELEV.: 169.0 ft	TOTAL DEPTH: 9.6 ft	NORTHING: 406,342	EASTING: 2,010,794
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/13/20	COMP. DATE: 02/13/20
		SURF. WATER DEPTH: N/A	



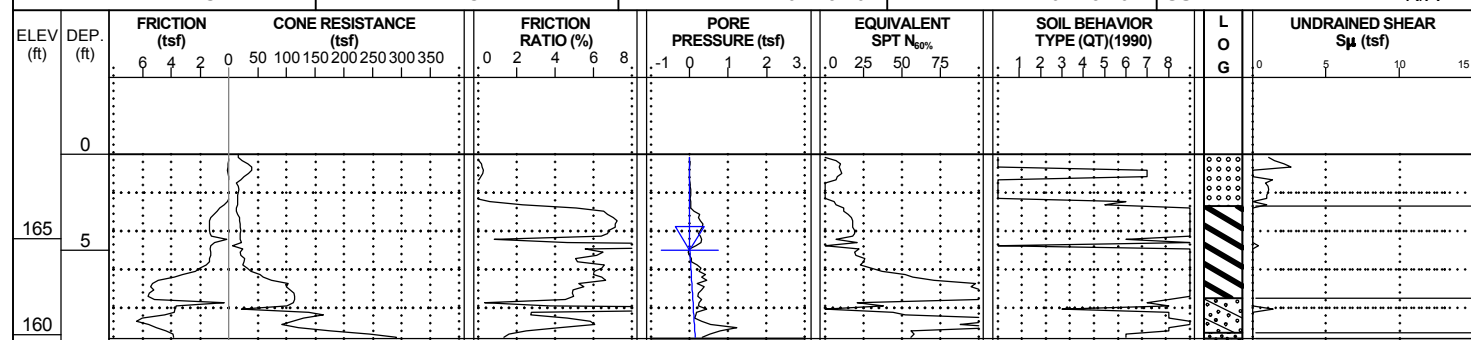
NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I-5987_GEO_RDWY_CATLIN_GIM-DRILLED_REVISED.GPJ NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT



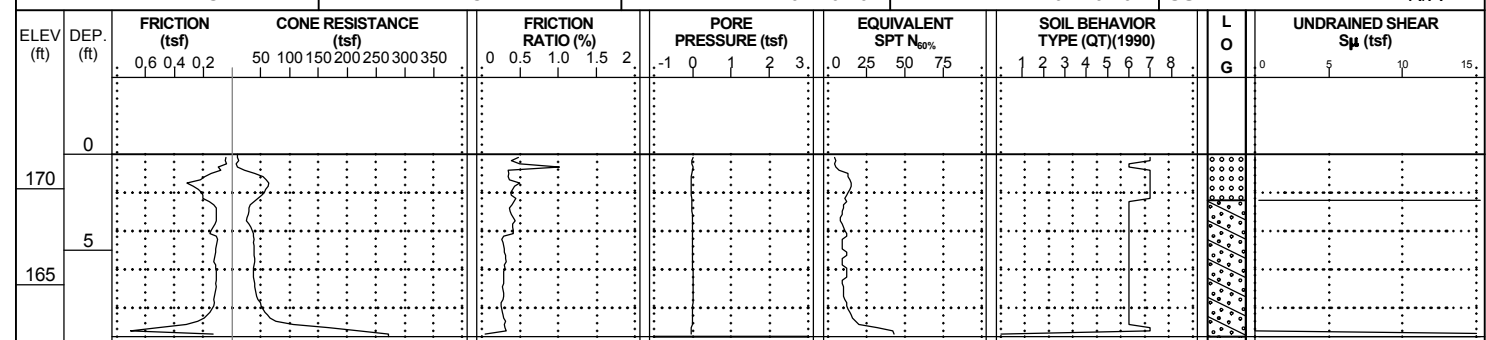
WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_83700_RT	STATION: 837+00	OFFSET: 81 ft RT	ALIGNMENT: -L-
COLLAR ELEV.: 169.4 ft	TOTAL DEPTH: 9.6 ft	NORTHING: 406,838	EASTING: 2,010,864
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/13/20	COMP. DATE: 02/13/20
		SURF. WATER DEPTH: N/A	

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_84200_LT	STATION: 842+00	OFFSET: 93 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 171.8 ft	TOTAL DEPTH: 9.5 ft	NORTHING: 407,358	EASTING: 2,010,764
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/26/20	COMP. DATE: 02/26/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 159.8 ft

PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER - EST. GROUNDWATER SUSPECT



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 162.3 ft

PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER - EST. GROUNDWATER SUSPECT

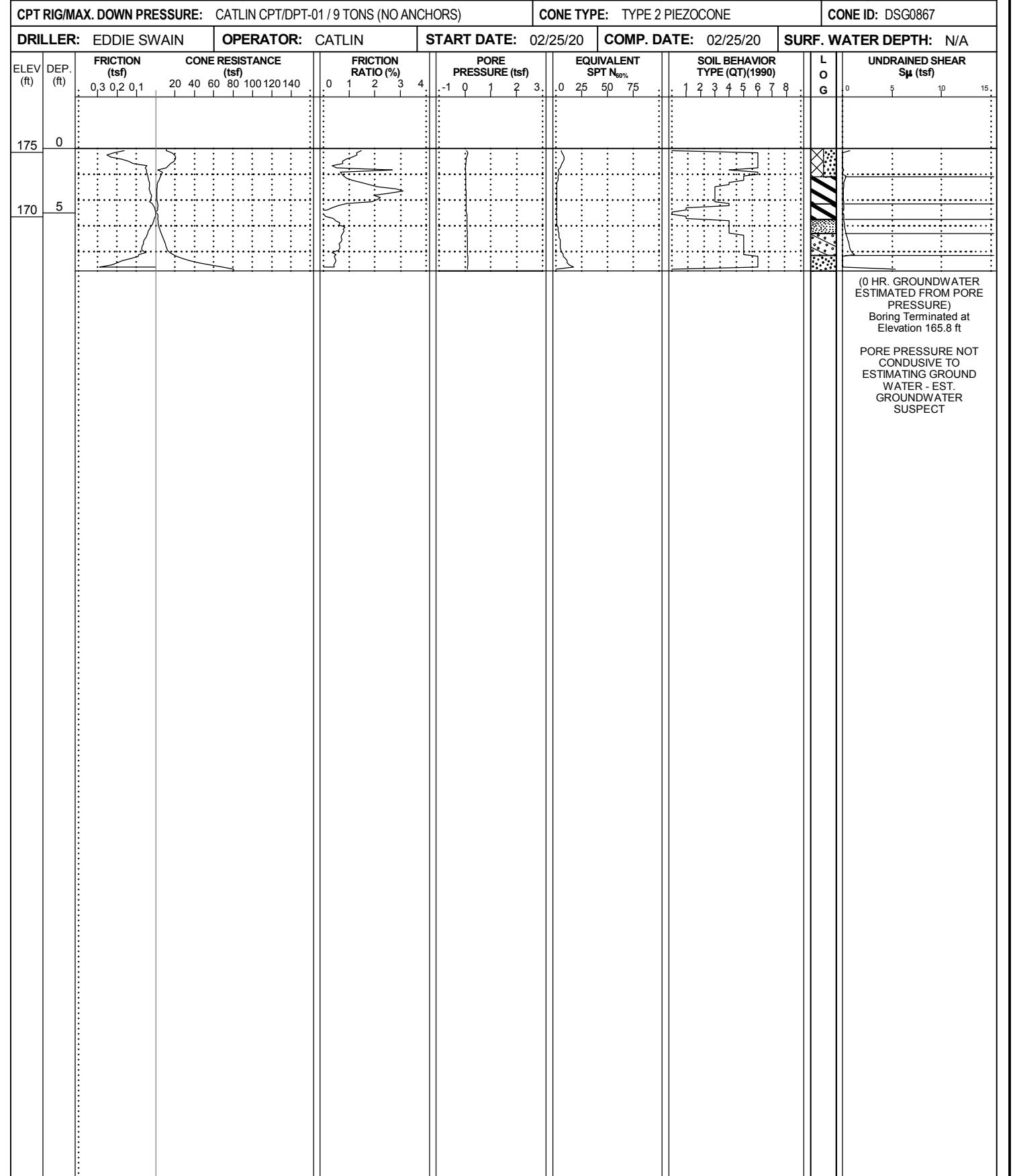
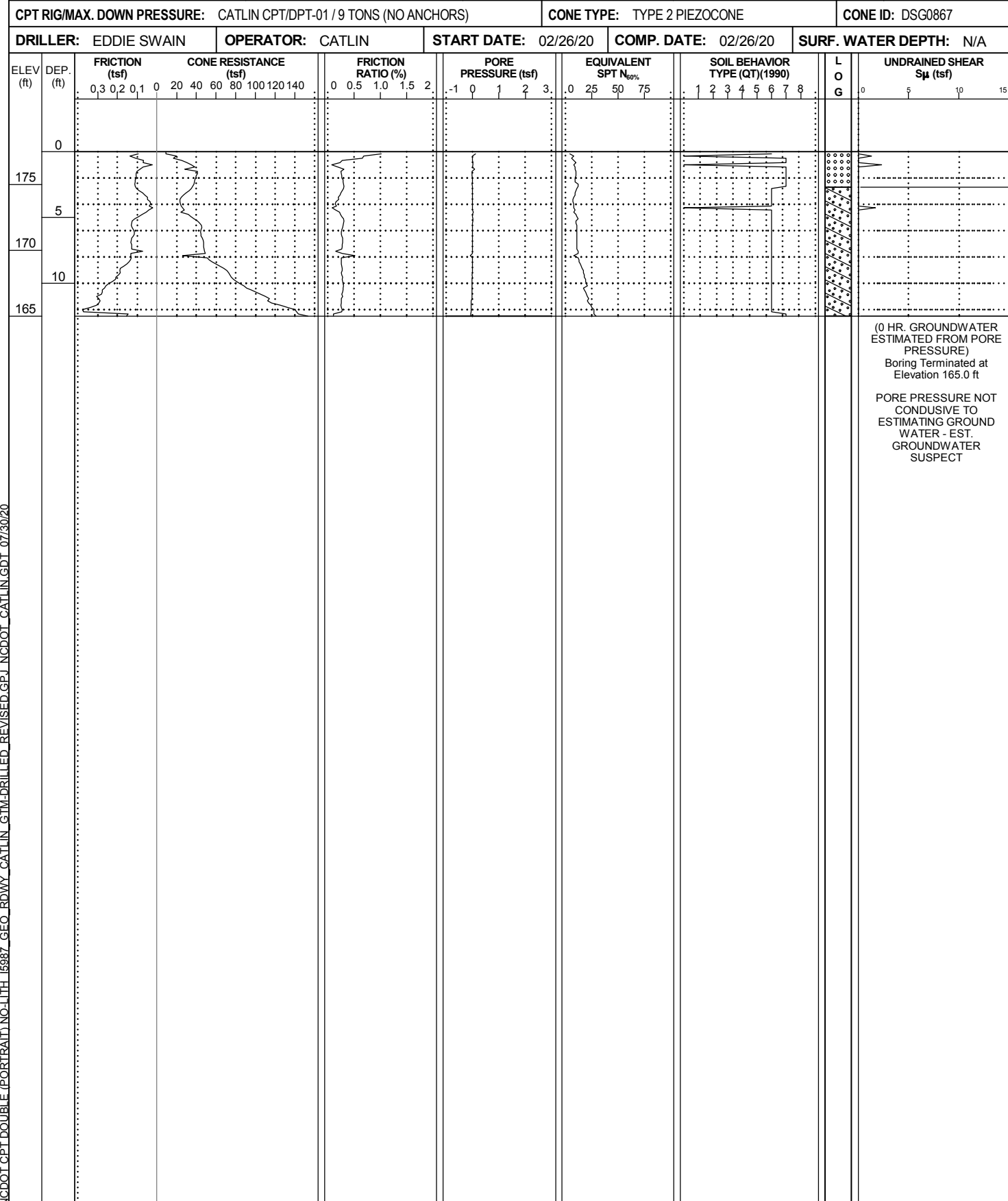
NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I5987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_84700_LT	STATION: 847+00	OFFSET: 100 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 177.5 ft	TOTAL DEPTH: 12.5 ft	NORTHING: 407,853	EASTING: 2,010,830
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/26/20	COMP. DATE: 02/26/20
EST. 0 HR. Dry		24 HR. N/A	

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_85200_LT	STATION: 852+00	OFFSET: 93 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 175.3 ft	TOTAL DEPTH: 9.5 ft	NORTHING: 408,347	EASTING: 2,010,910
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/25/20	COMP. DATE: 02/25/20
EST. 0 HR. Dry		24 HR. N/A	

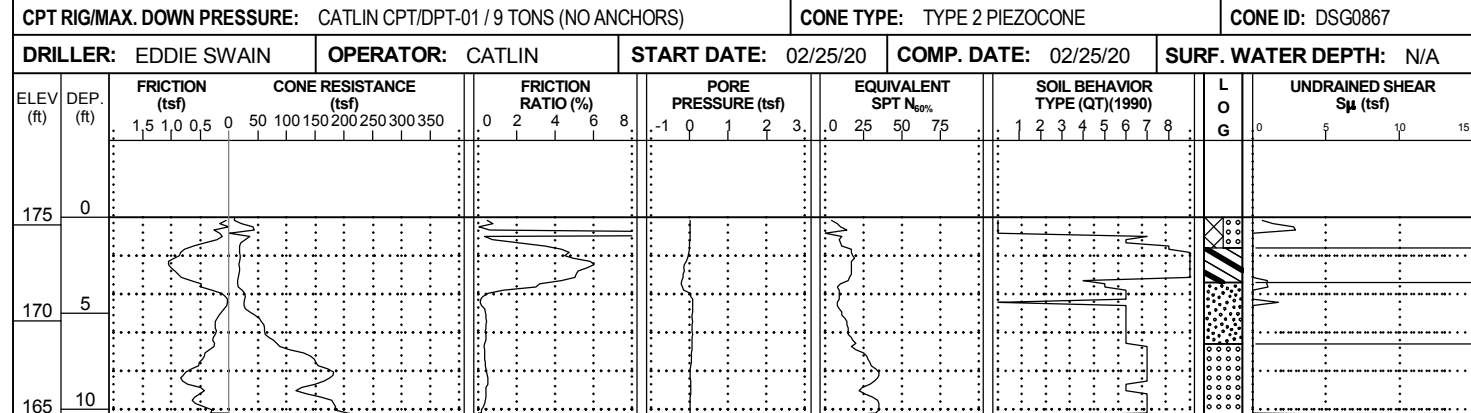


NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I5987_GEO_ROWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT



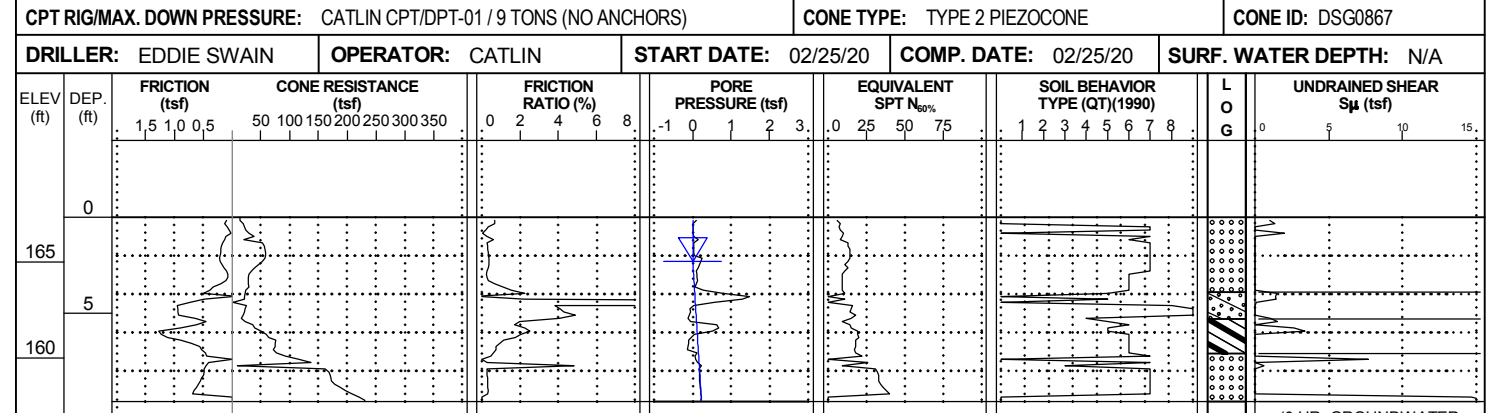
WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_85700_LT	STATION: 857+00	OFFSET: 98 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 175.4 ft	TOTAL DEPTH: 10.4 ft	NORTHING: 408,842	EASTING: 2,010,977
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/25/20	COMP. DATE: 02/25/20
SURF. WATER DEPTH: N/A			



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 165.0 ft

PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER - EST. GROUNDWATER SUSPECT

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_86200_LT	STATION: 862+00	OFFSET: 70 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 167.3 ft	TOTAL DEPTH: 9.6 ft	NORTHING: 409,333	EASTING: 2,011,078
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/25/20	COMP. DATE: 02/25/20
SURF. WATER DEPTH: N/A			



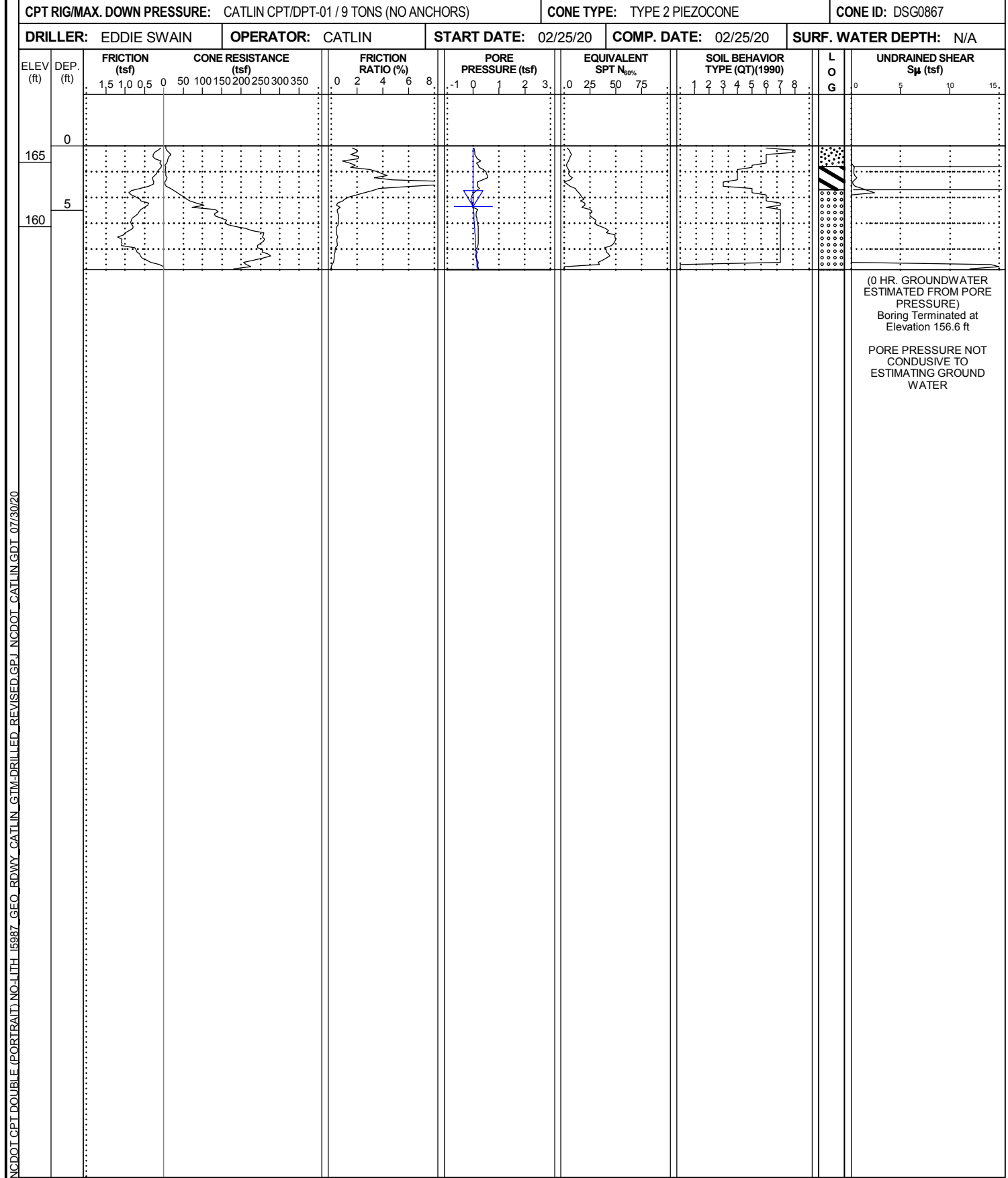
(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 157.7 ft

NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I5987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ NCDOT_CATLIN.GDT_07/30/20

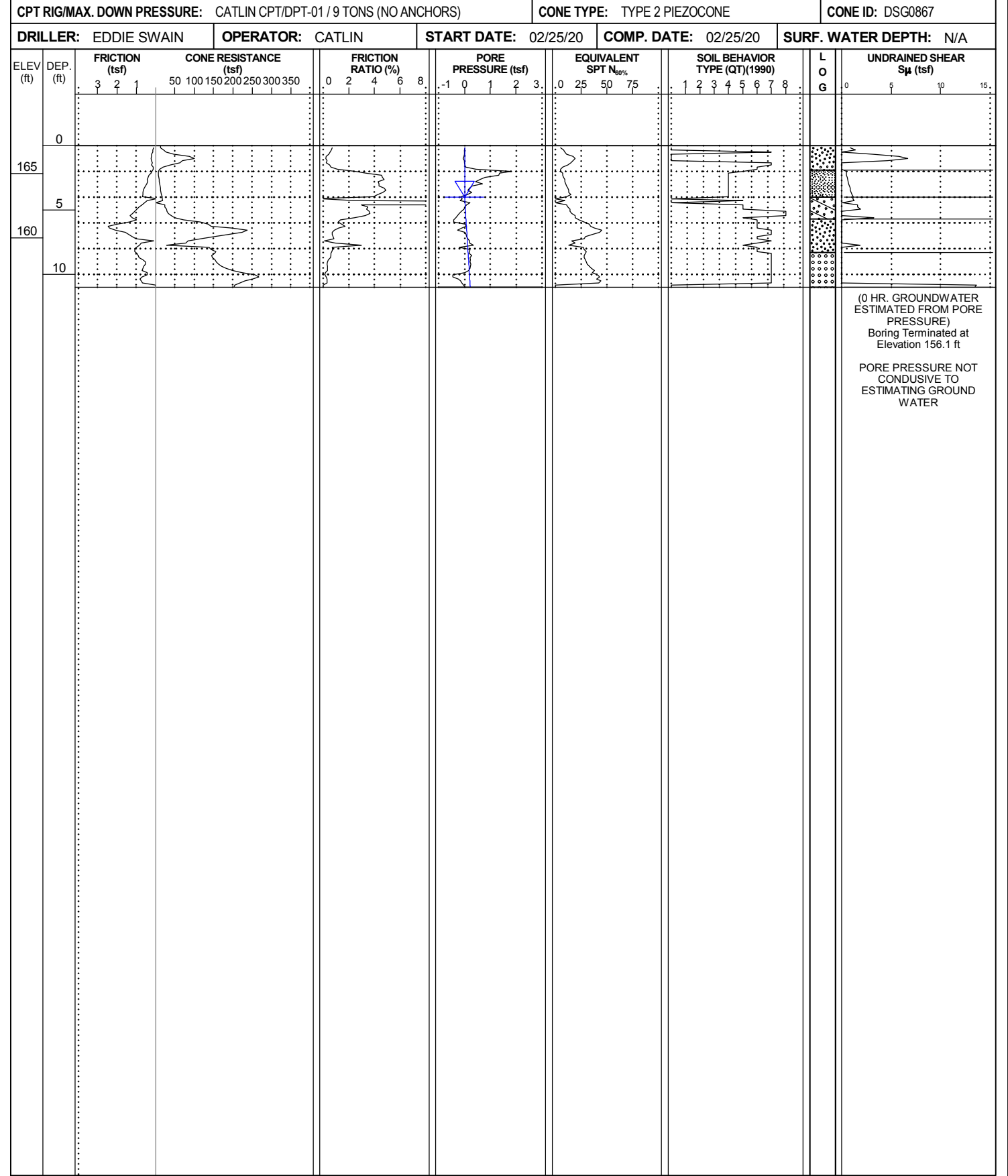
CONE PENETROMETER TEST BORING REPORT



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_86700_LT	STATION: 867+00	OFFSET: 75 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 166.2 ft	TOTAL DEPTH: 9.6 ft	NORTHING: 409,828	EASTING: 2,011,146
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/25/20	COMP. DATE: 02/25/20
		SURF. WATER DEPTH: N/A	



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_87200_LT	STATION: 872+00	OFFSET: 70 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 167.1 ft	TOTAL DEPTH: 11.0 ft	NORTHING: 410,322	EASTING: 2,011,223
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/25/20	COMP. DATE: 02/25/20
		SURF. WATER DEPTH: N/A	



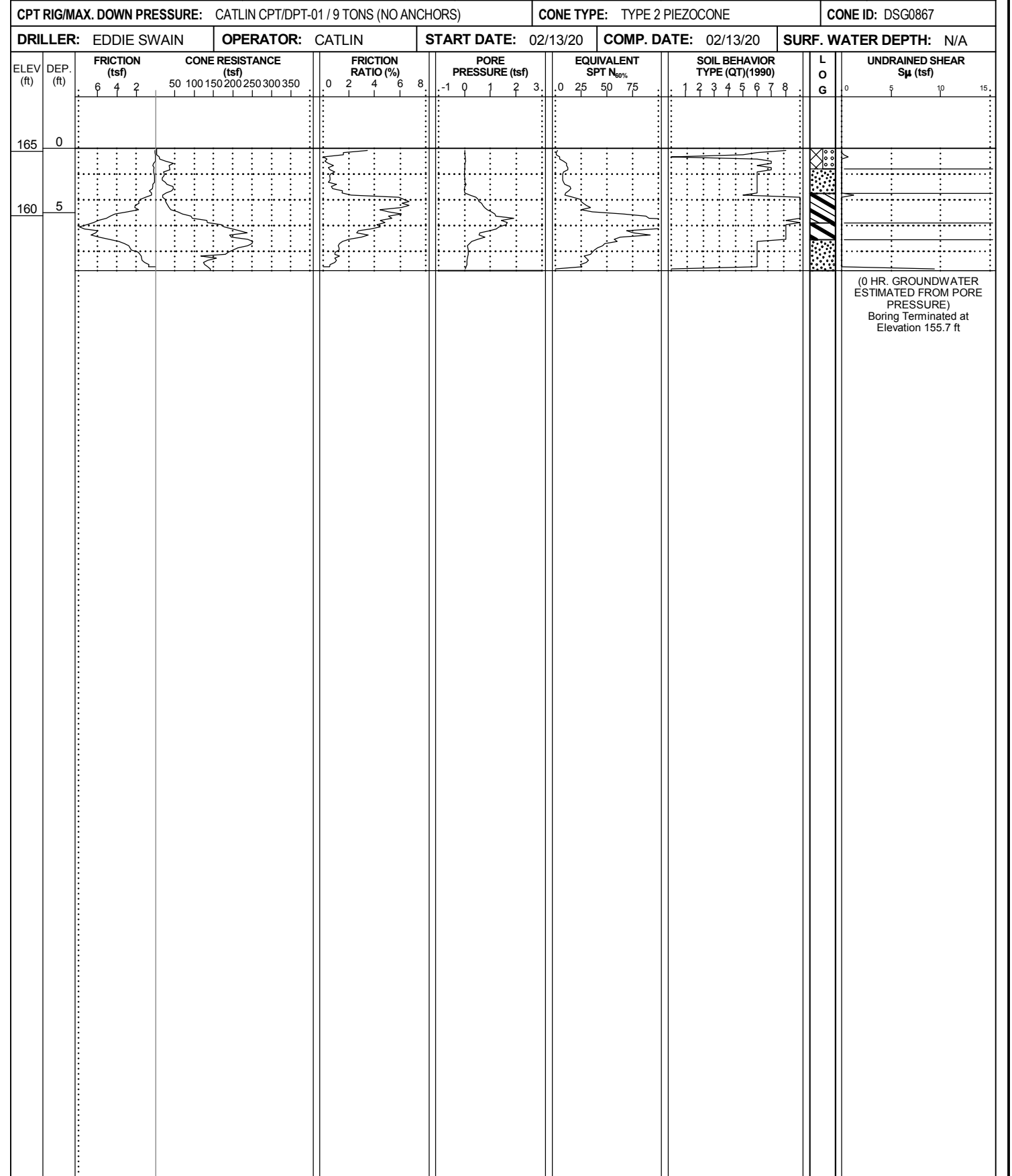
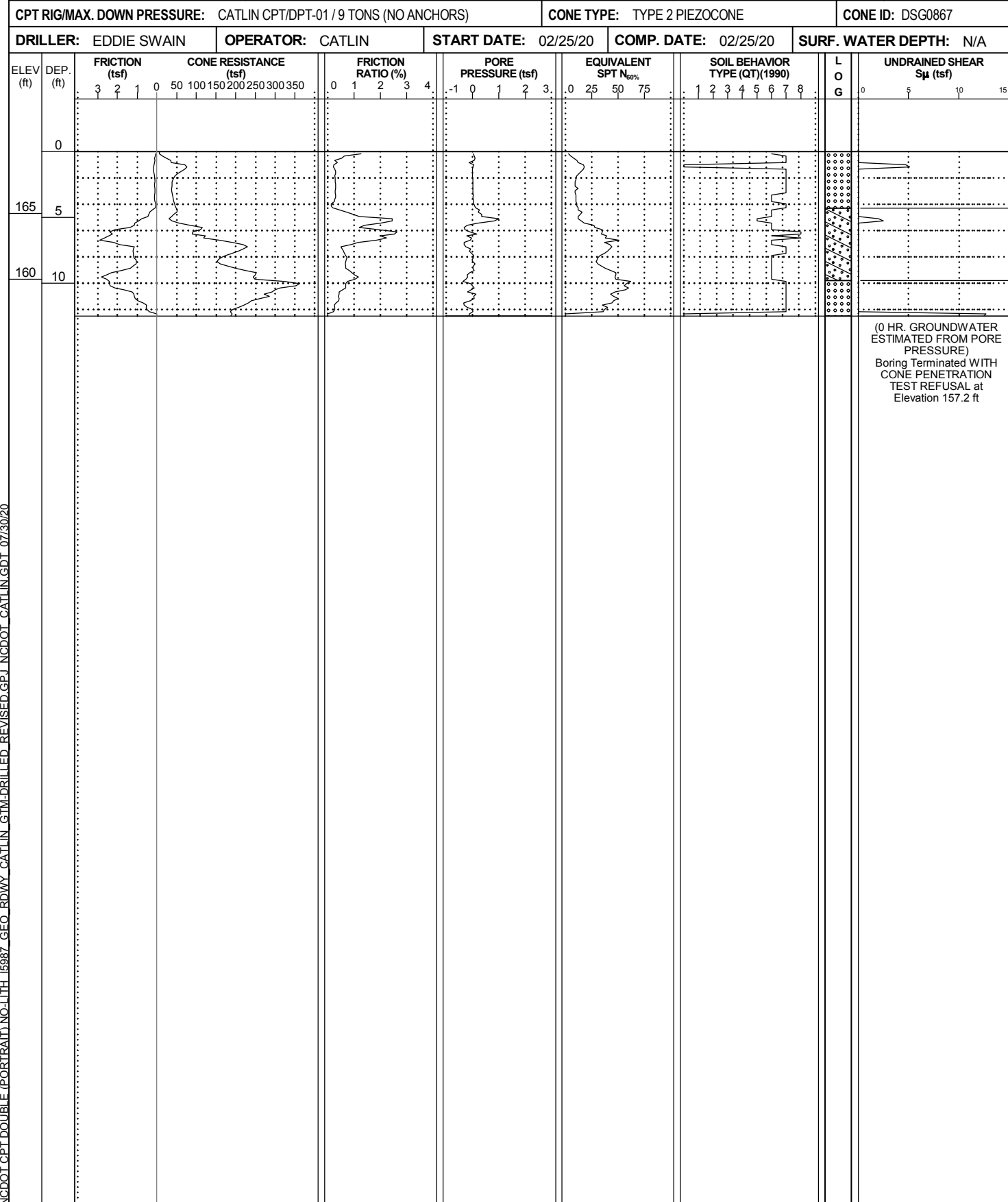
NCDOT CPT DOUBLE (PORTRAIT) NO-LITH 15987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ NCDOT_CATLIN.GDT 07/30/20

CONE PENETROMETER TEST BORING REPORT



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_87700_LT	STATION: 877+00	OFFSET: 70 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 169.7 ft	TOTAL DEPTH: 12.5 ft	NORTHING: 410,817	EASTING: 2,011,296
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/25/20	COMP. DATE: 02/25/20
EST. 0 HR. Dry		24 HR. N/A	

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_89700_RT	STATION: 897+00	OFFSET: 102 ft RT	ALIGNMENT: -L-
COLLAR ELEV.: 165.2 ft	TOTAL DEPTH: 9.5 ft	NORTHING: 412,771	EASTING: 2,011,757
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/13/20	COMP. DATE: 02/13/20
EST. 0 HR. Dry		24 HR. N/A	



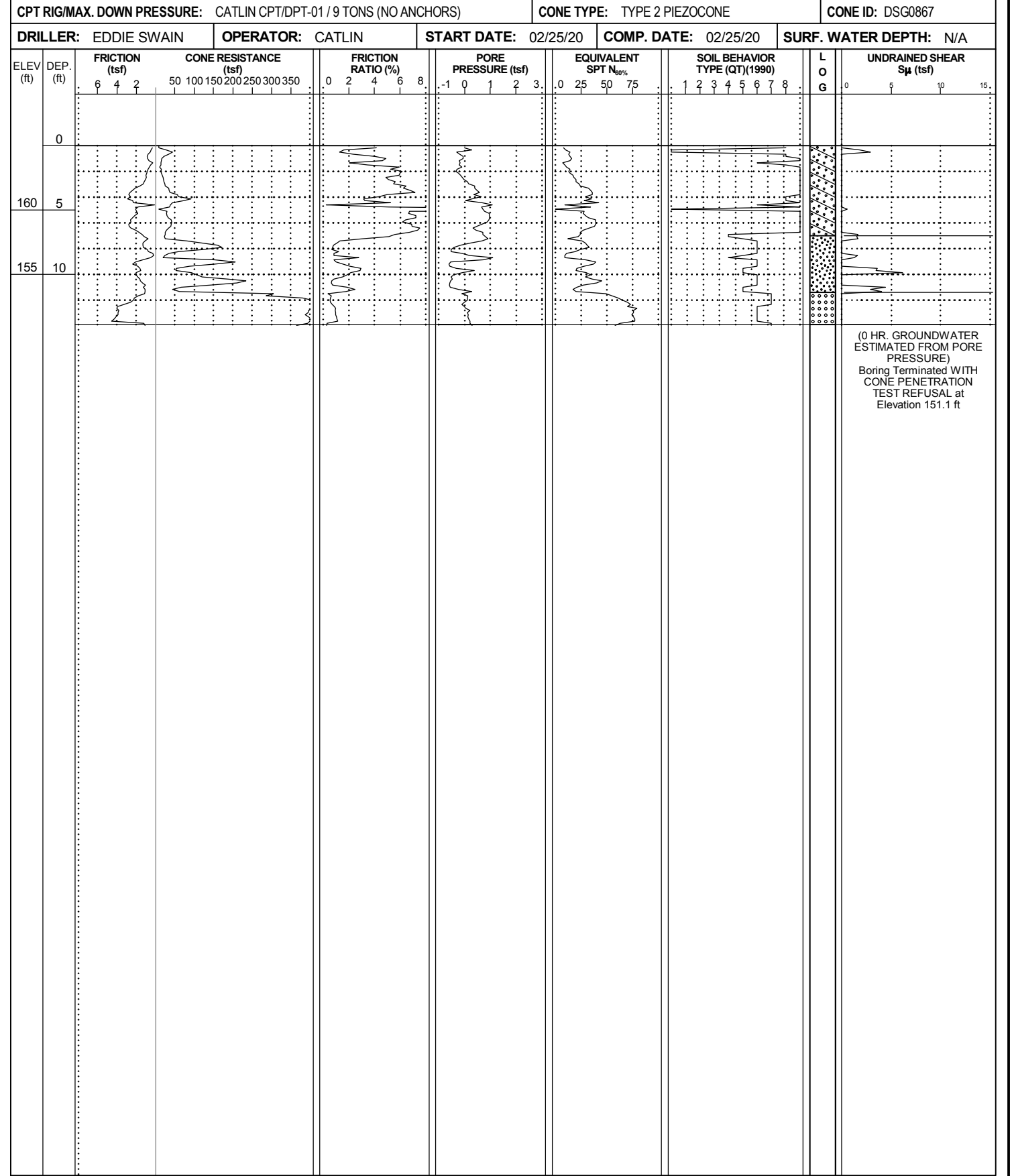
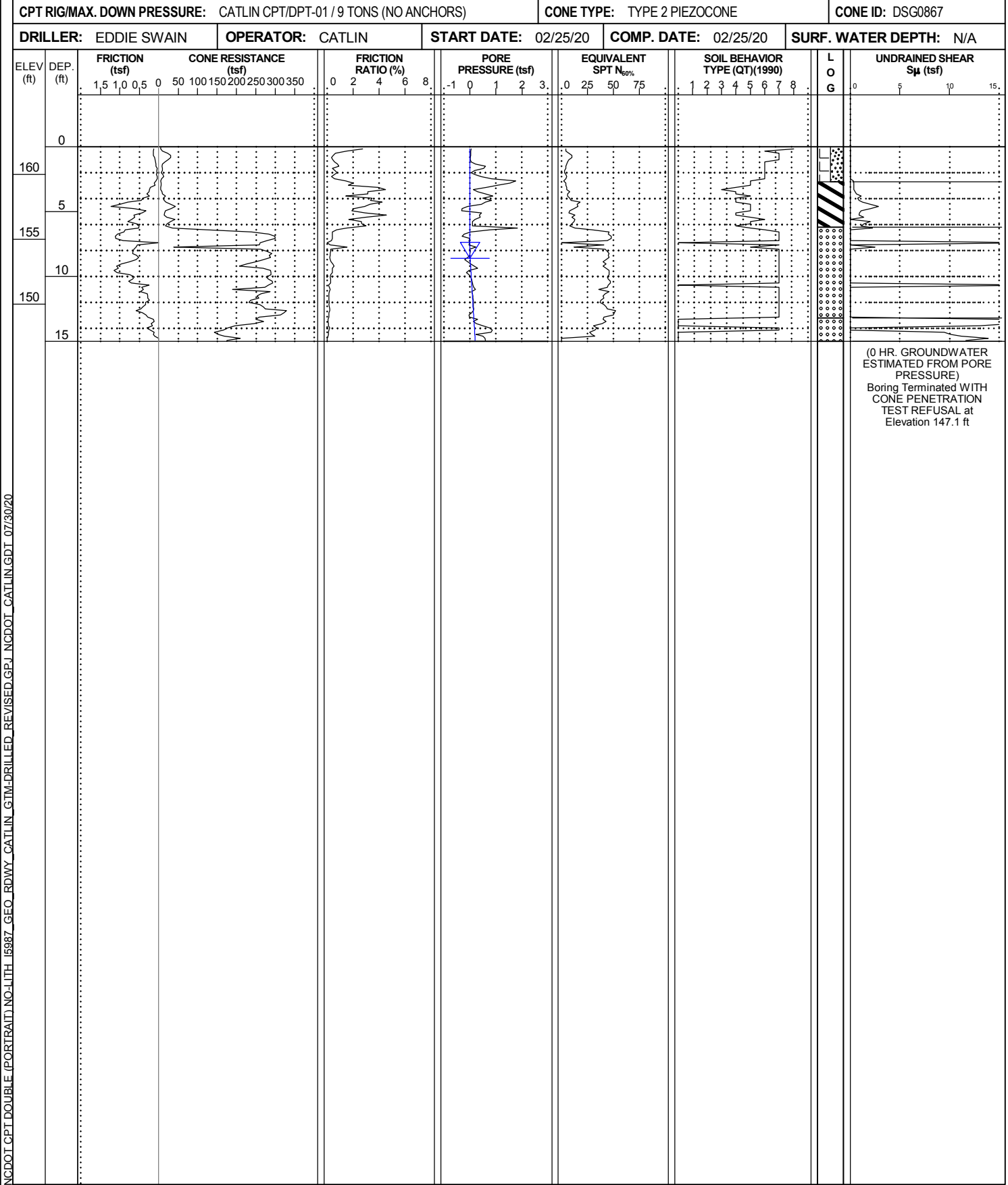
NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I-5987_GEO_ROWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_90700_LT	STATION: 907+00	OFFSET: 75 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 162.1 ft	TOTAL DEPTH: 15.0 ft	NORTHING: 413,786	EASTING: 2,011,727
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/25/20	COMP. DATE: 02/25/20
EST. 0 HR. 8.6		24 HR. N/A	

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: L_91200_LT	STATION: 912+00	OFFSET: 75 ft LT	ALIGNMENT: -L-
COLLAR ELEV.: 165.0 ft	TOTAL DEPTH: 13.9 ft	NORTHING: 414,281	EASTING: 2,011,800
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/25/20	COMP. DATE: 02/25/20
EST. 0 HR. Dry		24 HR. N/A	

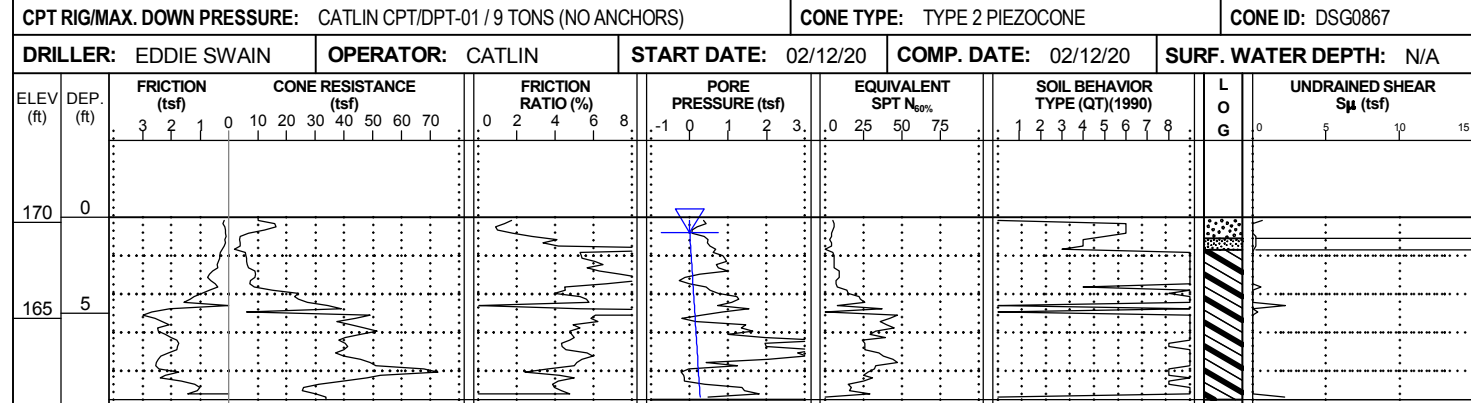


NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I-5987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT



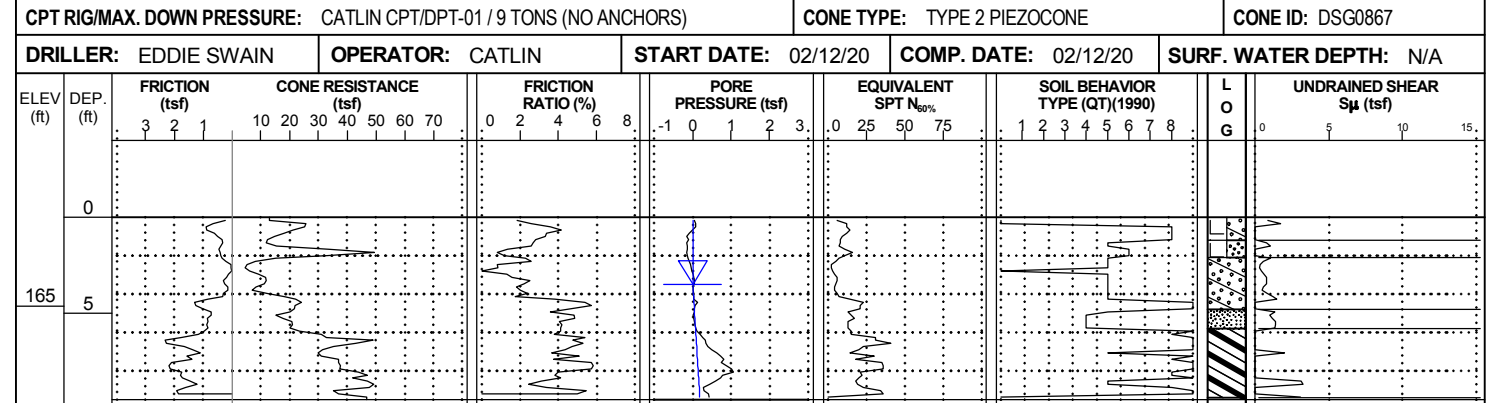
WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: SR3_2700	STATION: 27+00	OFFSET: CL	ALIGNMENT: -SR3-
COLLAR ELEV.: 170.3 ft	TOTAL DEPTH: 9.5 ft	NORTHING: 395,122	EASTING: 2,007,145
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/12/20	COMP. DATE: 02/12/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 160.8 ft

PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: SR3_3000	STATION: 30+00	OFFSET: 5 ft LT	ALIGNMENT: -SR3-
COLLAR ELEV.: 169.6 ft	TOTAL DEPTH: 9.5 ft	NORTHING: 395,378	EASTING: 2,007,301
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/12/20	COMP. DATE: 02/12/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 160.1 ft

NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I5987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

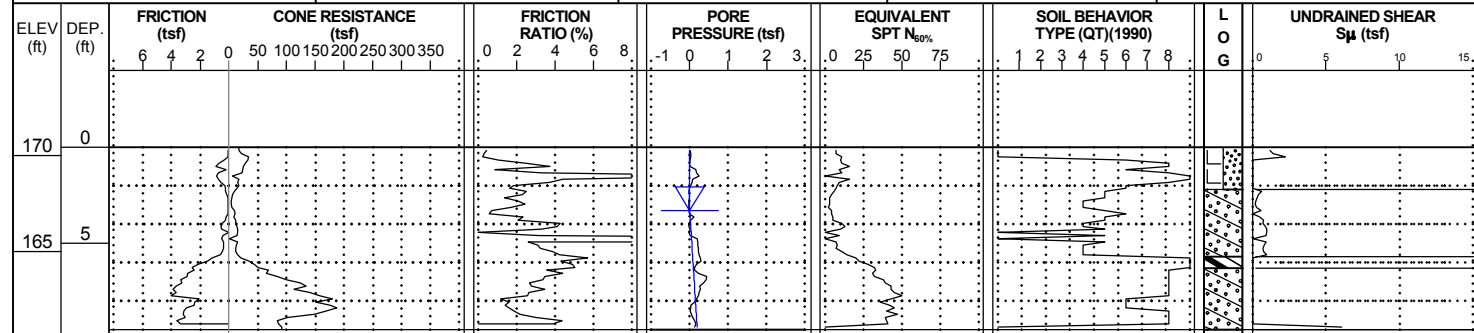
CONE PENETROMETER TEST BORING REPORT



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: SR3_3300	STATION: 33+00	OFFSET: CL	ALIGNMENT: -SR3-
COLLAR ELEV.: 170.4 ft	TOTAL DEPTH: 9.5 ft	NORTHING: 395,629	EASTING: 2,007,466
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/12/20	COMP. DATE: 02/12/20
		SURF. WATER DEPTH: N/A	

EST. 0 HR. 3.3	24 HR. N/A
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DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/12/20	COMP. DATE: 02/12/20	SURF. WATER DEPTH: N/A
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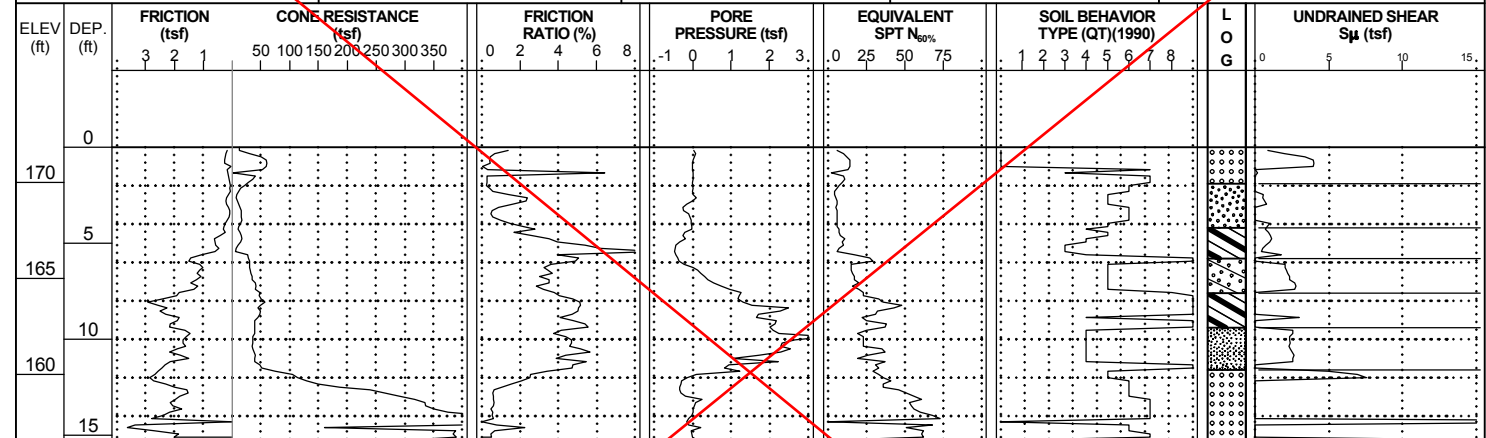


(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 160.9 ft

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: Y1_2500	STATION: 25+00	OFFSET: 5 ft RT	ALIGNMENT: -Y1-
COLLAR ELEV.: 171.8 ft	TOTAL DEPTH: 15.4 ft	NORTHING: 411,627	EASTING: 2,010,881
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/27/20	COMP. DATE: 02/27/20
		SURF. WATER DEPTH: N/A	

EST. 0 HR. N/A	24 HR. N/A
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DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/27/20	COMP. DATE: 02/27/20	SURF. WATER DEPTH: N/A
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(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated WITH CONE PENETRATION TEST REFUSAL at Elevation 156.4 ft

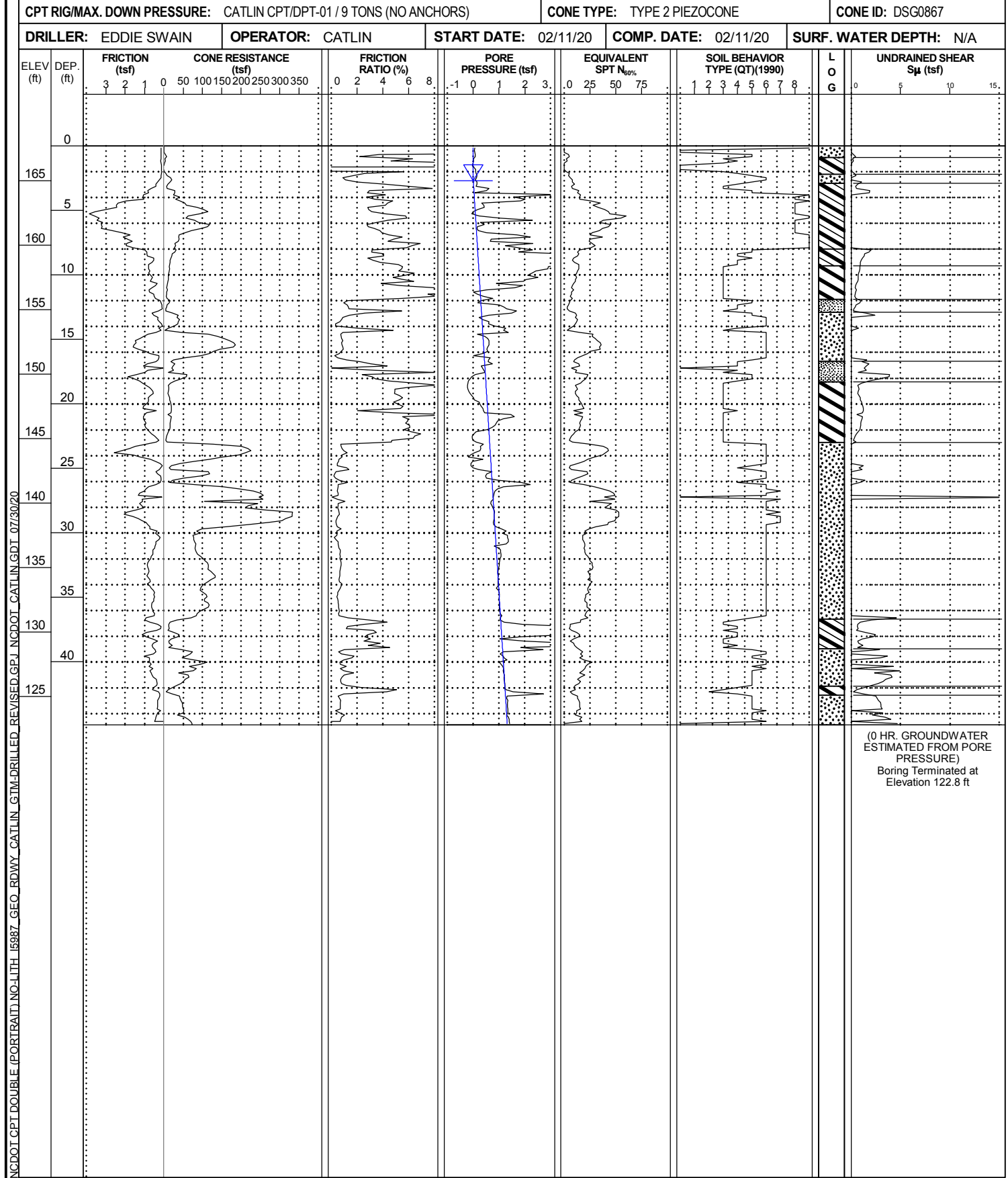
PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER

NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I-5987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

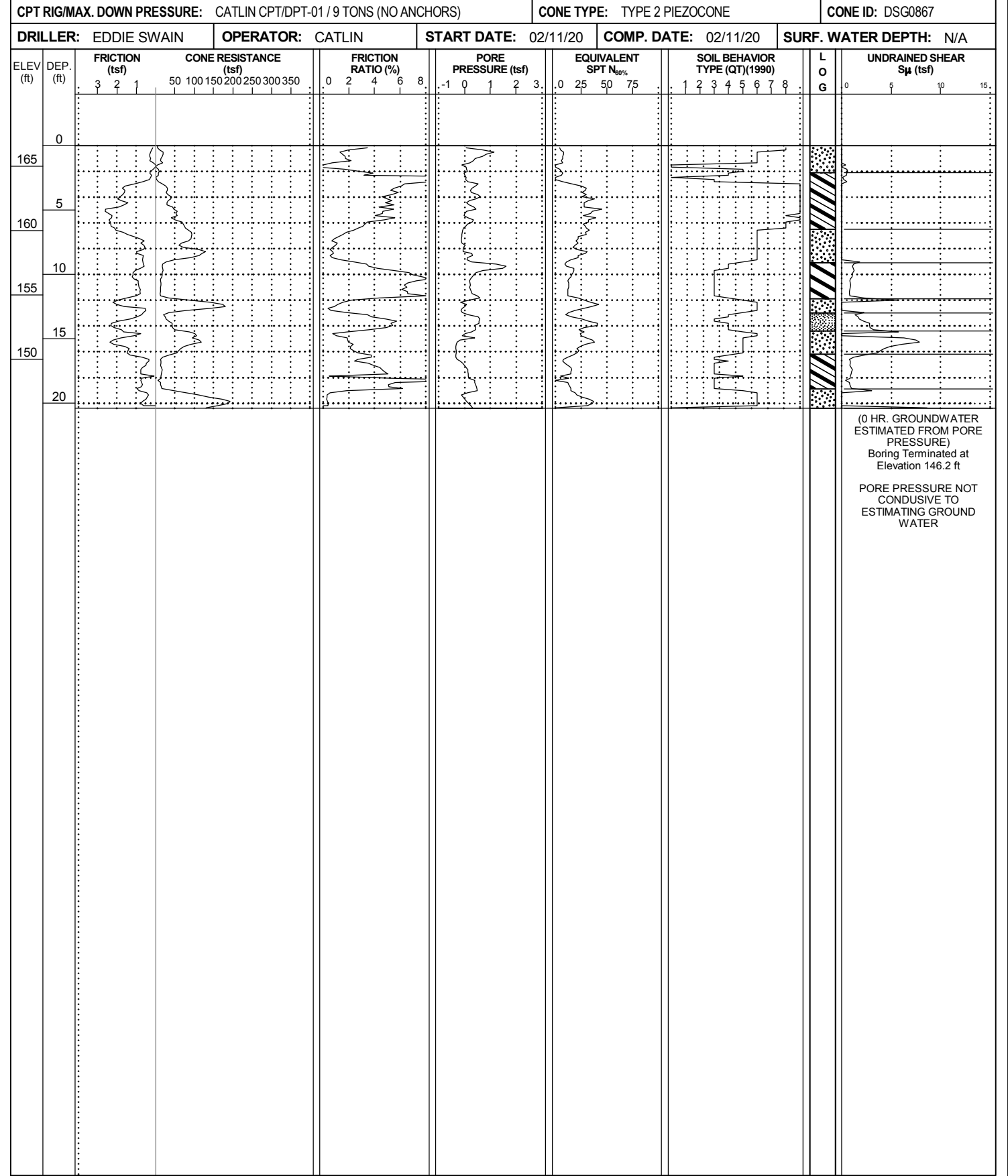
CONE PENETROMETER TEST BORING REPORT



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: Y1B_3000	STATION: 30+00	OFFSET: 50 ft RT	ALIGNMENT: -Y1B-
COLLAR ELEV.: 167.7 ft	TOTAL DEPTH: 44.9 ft	NORTHING: 393,824	EASTING: 2,006,462
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/11/20	COMP. DATE: 02/11/20
		SURF. WATER DEPTH: N/A	



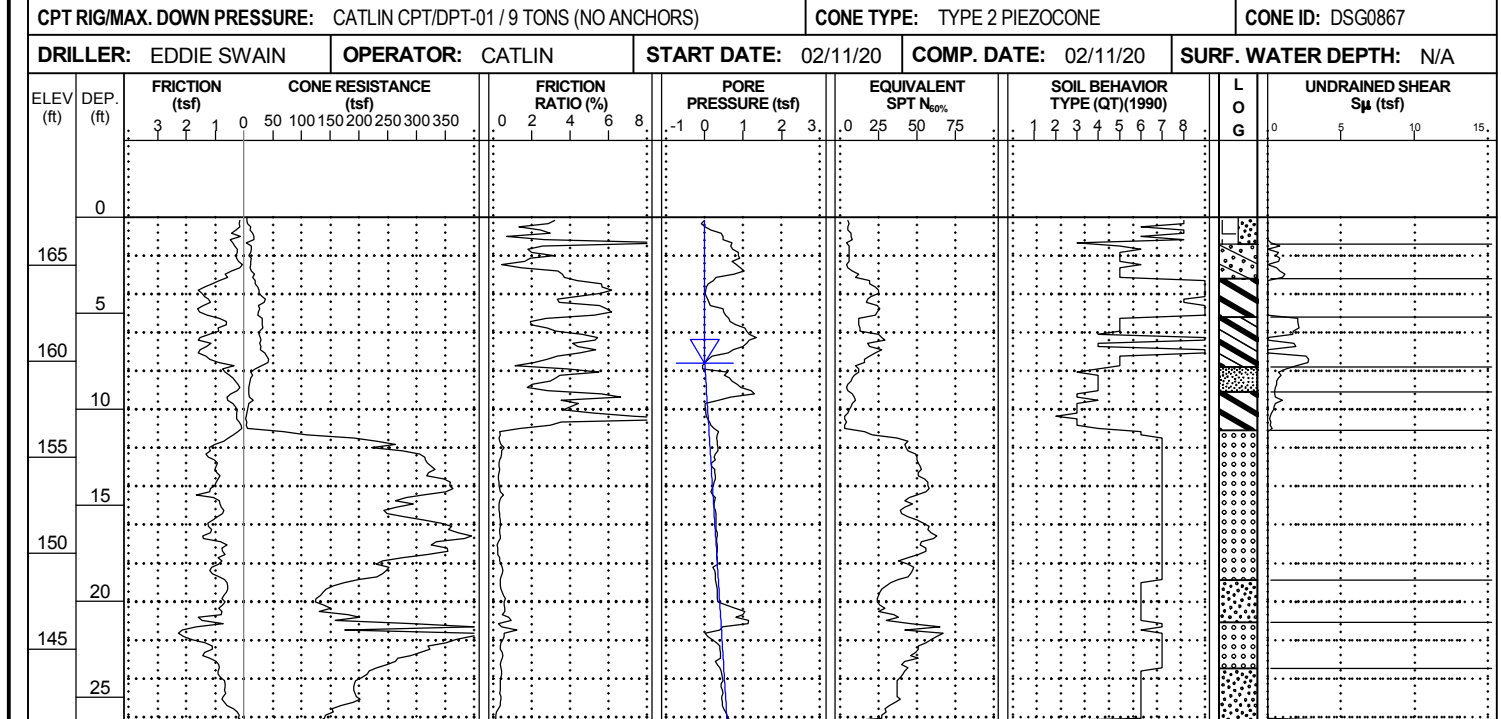
WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: Y1B_3300	STATION: 33+00	OFFSET: 50 ft RT	ALIGNMENT: -Y1B-
COLLAR ELEV.: 166.6 ft	TOTAL DEPTH: 20.4 ft	NORTHING: 393,534	EASTING: 2,006,536
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/11/20	COMP. DATE: 02/11/20
		SURF. WATER DEPTH: N/A	



CONE PENETROMETER TEST BORING REPORT

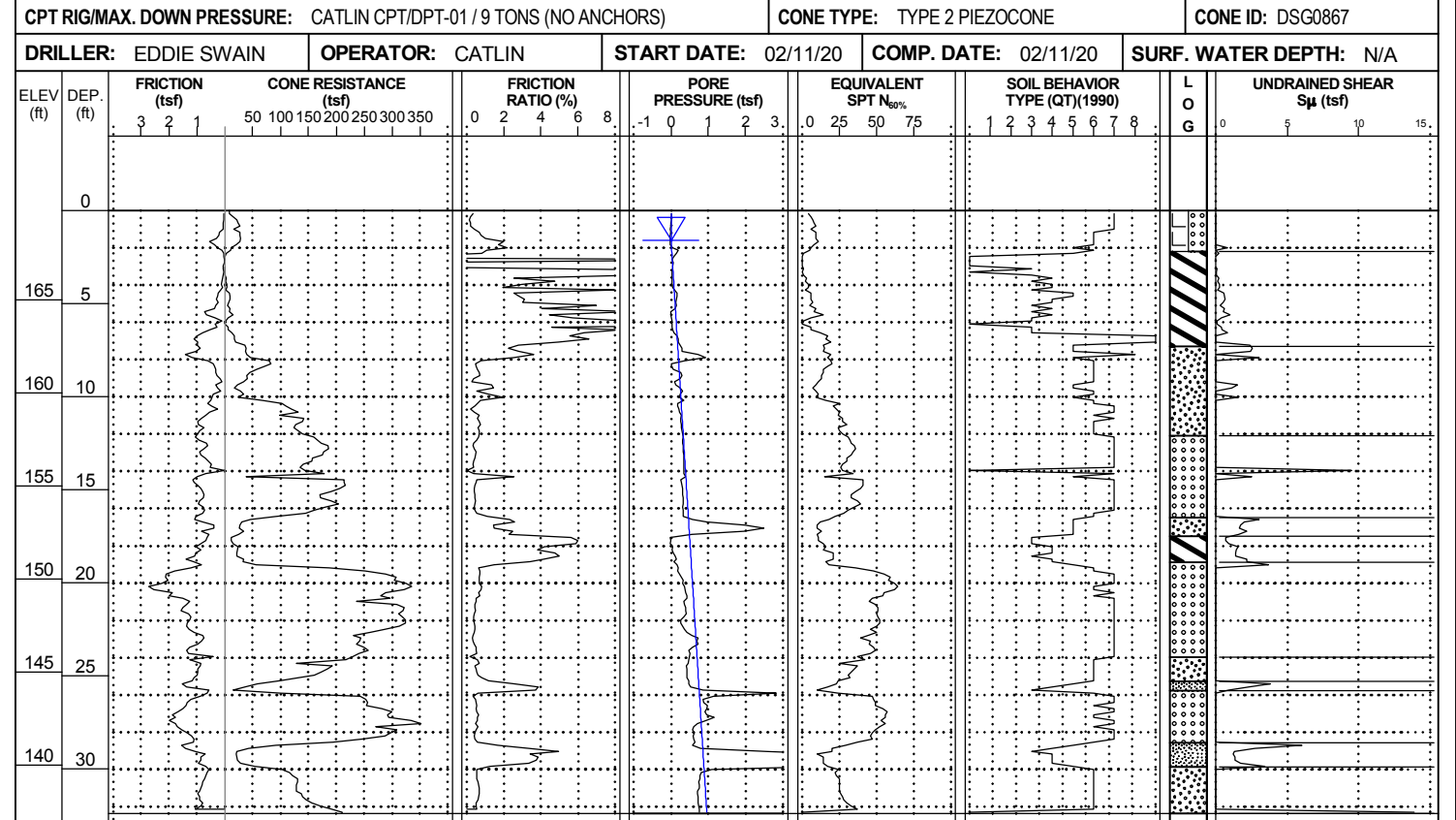


WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: Y1BRPC_1750	STATION: 17+50	OFFSET: 15 ft RT	ALIGNMENT: -Y1BRPC-
COLLAR ELEV.: 167.5 ft	TOTAL DEPTH: 26.3 ft	NORTHING: 393,597	EASTING: 2,006,033
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/11/20	COMP. DATE: 02/11/20
		SURF. WATER DEPTH: N/A	



(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 141.2 ft

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: Y1BRPC_2000	STATION: 20+00	OFFSET: 30 ft RT	ALIGNMENT: -Y1BRPC-
COLLAR ELEV.: 169.8 ft	TOTAL DEPTH: 32.4 ft	NORTHING: 393,747	EASTING: 2,006,228
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/11/20	COMP. DATE: 02/11/20
		SURF. WATER DEPTH: N/A	



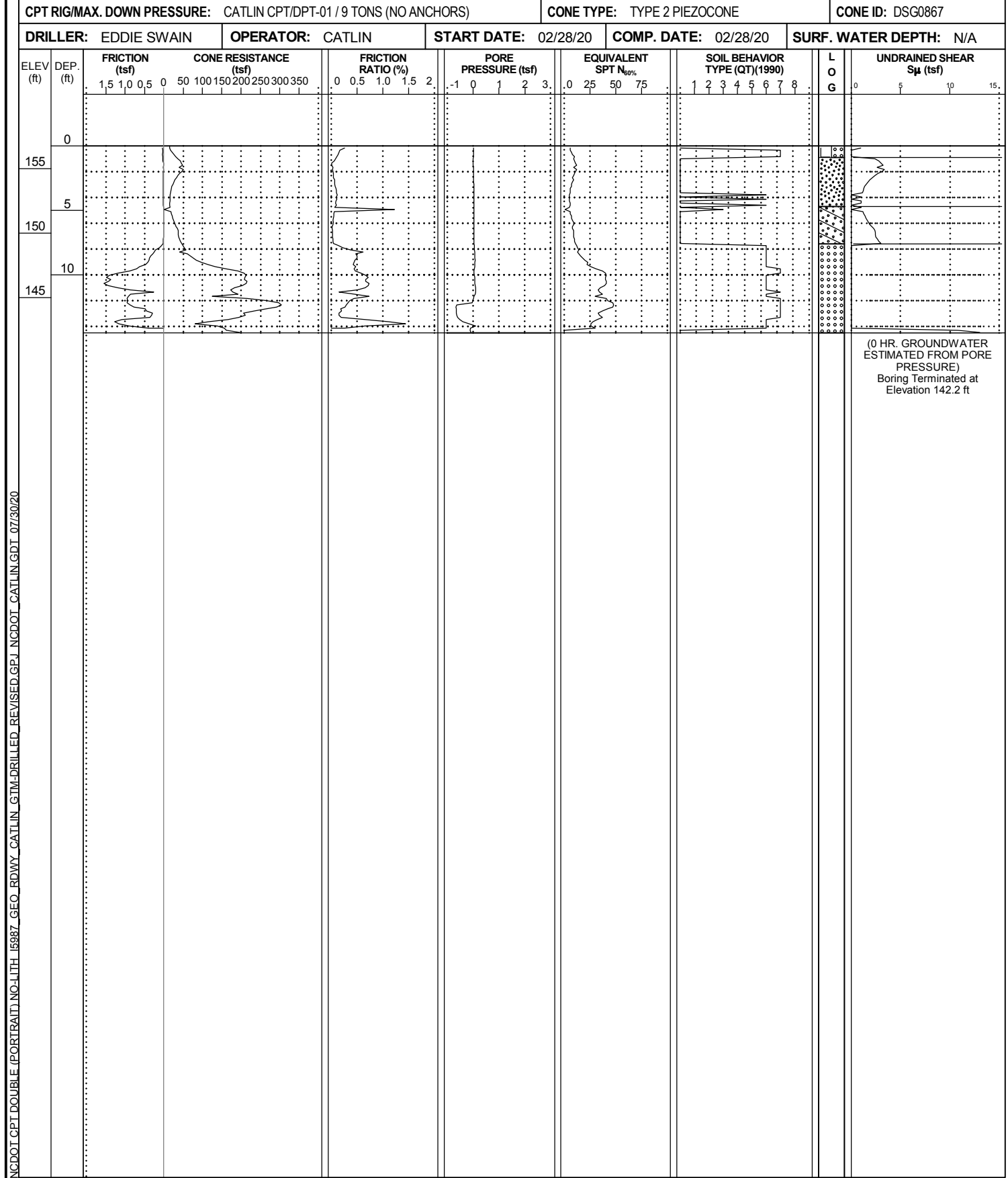
(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 137.4 ft

NCDOT CPT DOUBLE (PORTRAIT) NO-LITH 15987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN_GDT_07/30/20

CONE PENETROMETER TEST BORING REPORT

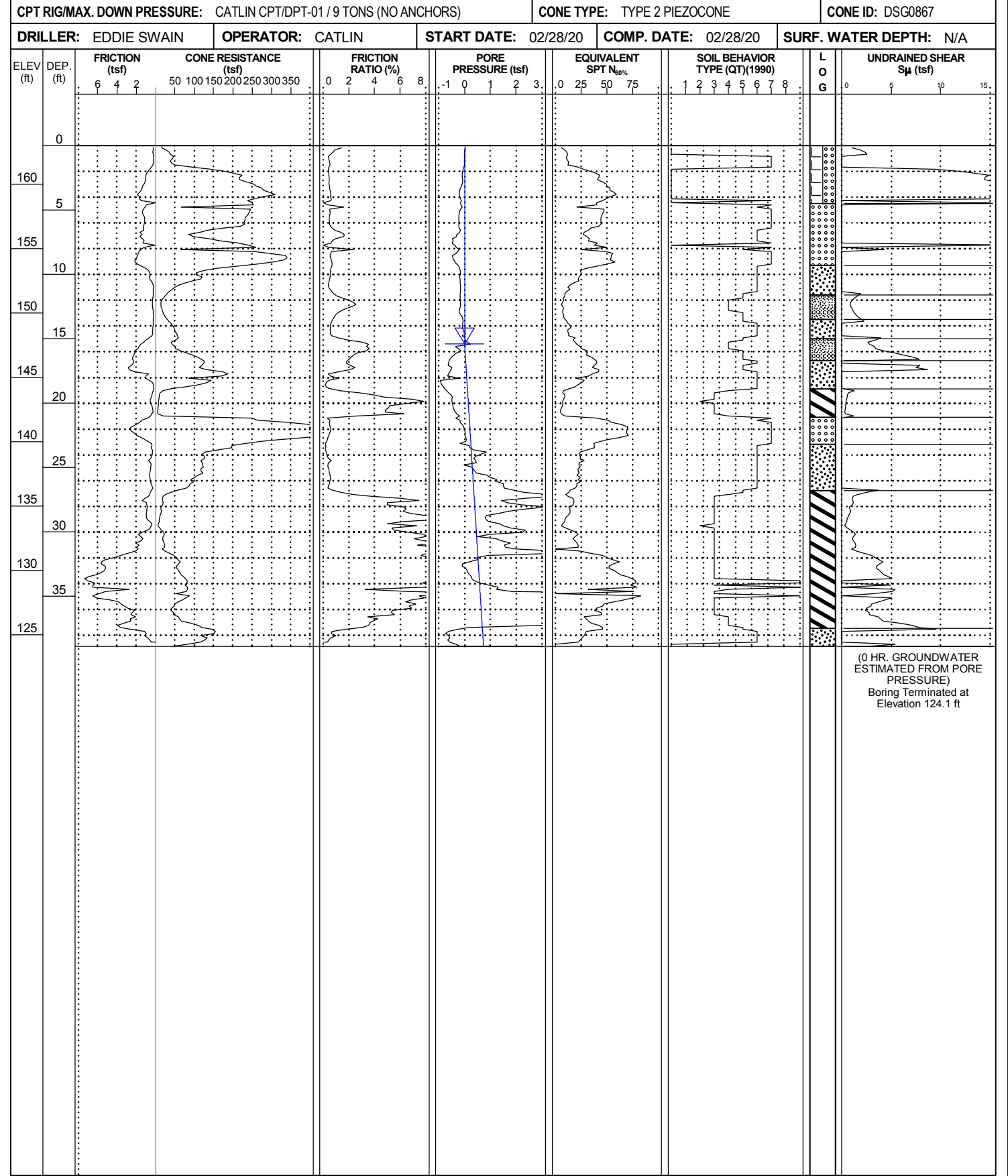


WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: Y4_1800	STATION: 18+00	OFFSET: 10 ft LT	ALIGNMENT: -Y4-
COLLAR ELEV.: 156.7 ft	TOTAL DEPTH: 14.5 ft	NORTHING: 382,245	EASTING: 2,001,890
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/28/20	COMP. DATE: 02/28/20
		SURF. WATER DEPTH: N/A	



NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I-5987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

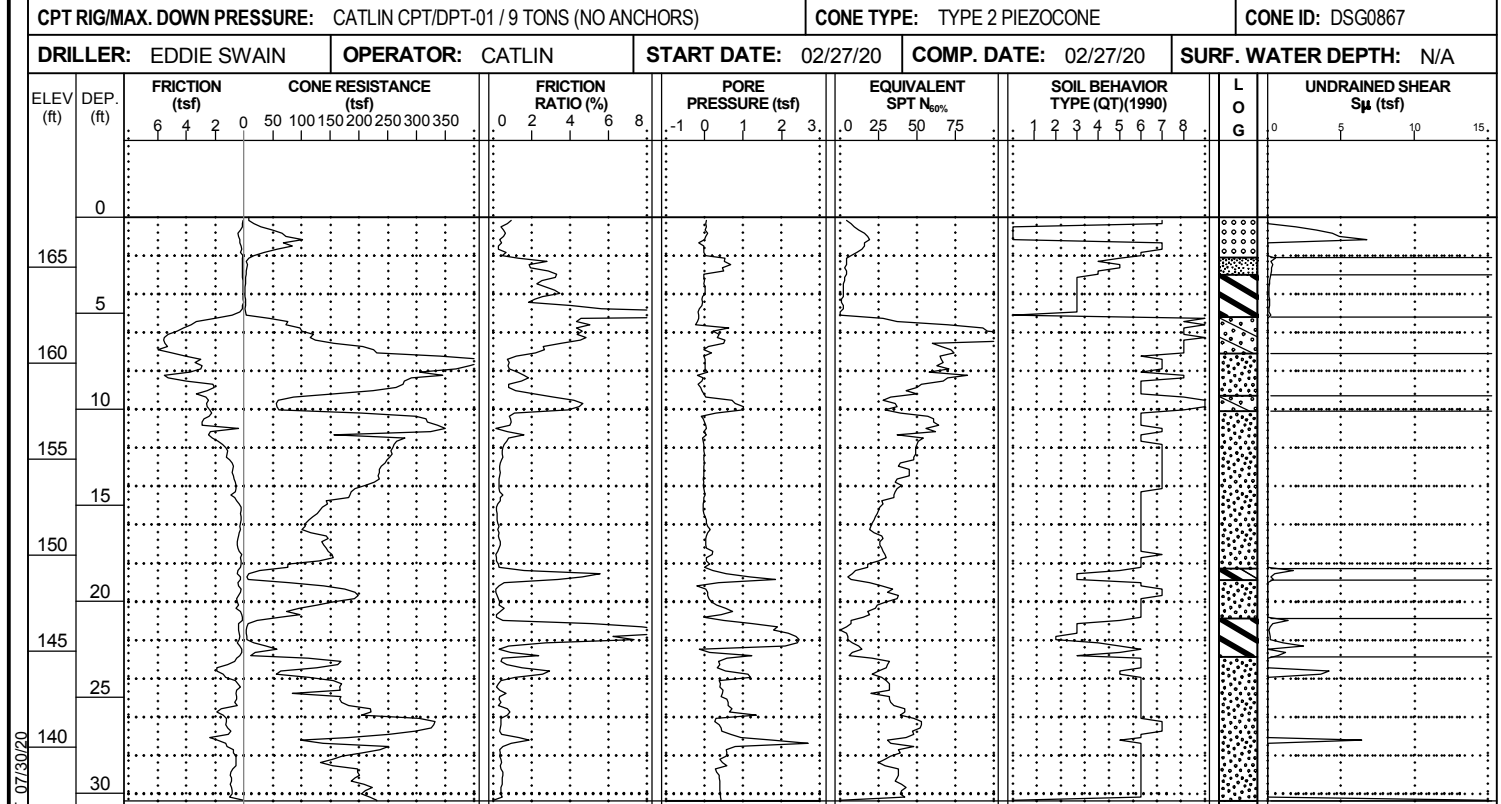
WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: Y4_2150	STATION: 21+50	OFFSET: 5 ft RT	ALIGNMENT: -Y4-
COLLAR ELEV.: 163.0 ft	TOTAL DEPTH: 38.9 ft	NORTHING: 382,200	EASTING: 2,002,238
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/28/20	COMP. DATE: 02/28/20
		SURF. WATER DEPTH: N/A	



CONE PENETROMETER TEST BORING REPORT



WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: Y7_2600	STATION: 26+00	OFFSET: CL	ALIGNMENT: -Y7-
COLLAR ELEV.: 167.6 ft	TOTAL DEPTH: 30.4 ft	NORTHING: 399,757	EASTING: 2,008,839
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/27/20	COMP. DATE: 02/27/20
		SURF. WATER DEPTH: N/A	

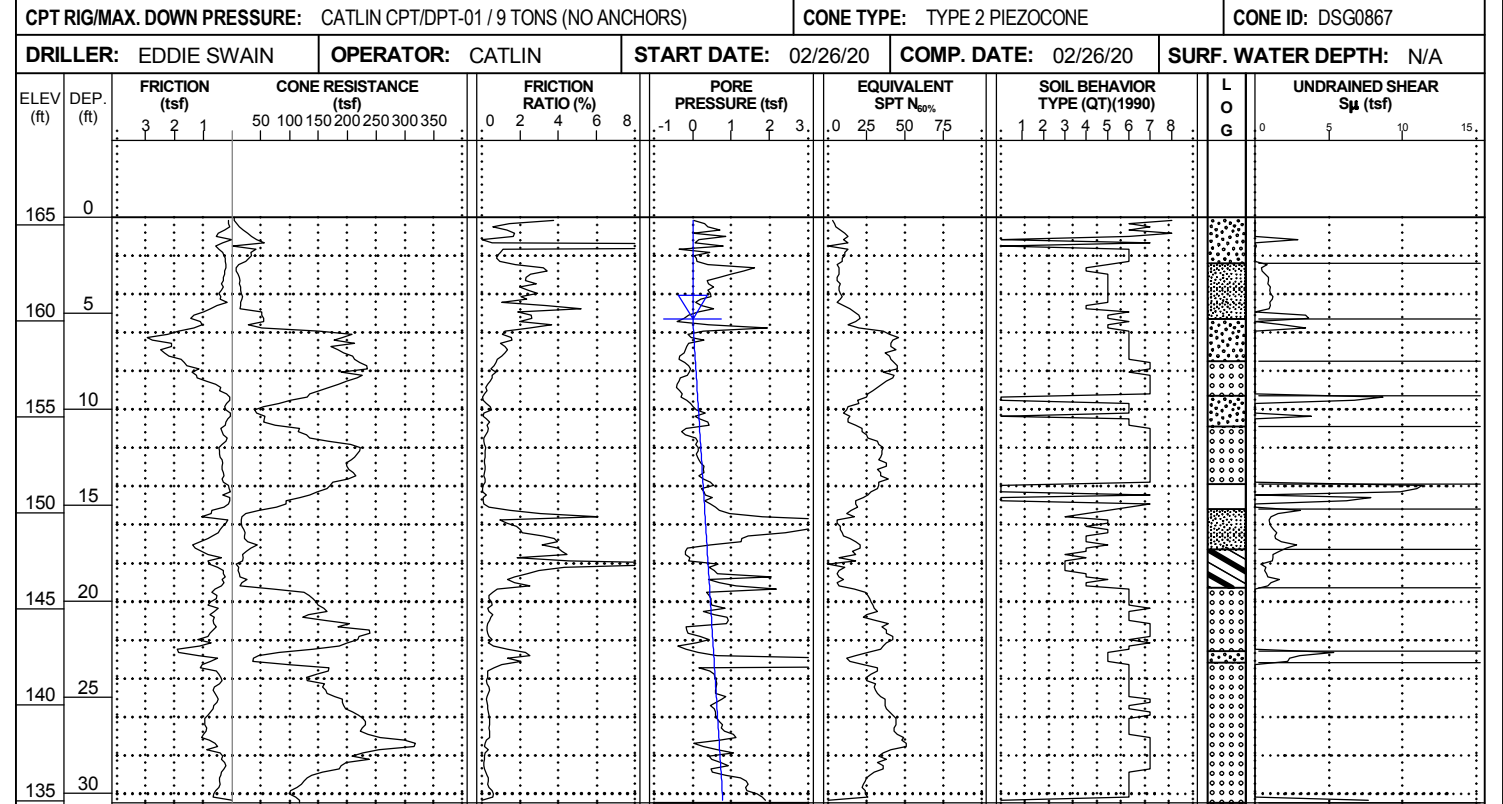


NCDOT CPT DOUBLE (PORTRAIT) NO-LITH I5987_GEO_RDWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 137.2 ft

PORE PRESSURE NOT CONDUSIVE TO ESTIMATING GROUND WATER

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)			GROUND WTR (ft)
BORING NO.: Y7_3400	STATION: 34+00	OFFSET: CL	ALIGNMENT: -Y7-
COLLAR ELEV.: 165.4 ft	TOTAL DEPTH: 30.5 ft	NORTHING: 399,145	EASTING: 2,009,355
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE	CONE ID: DSG0867
DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/26/20	COMP. DATE: 02/26/20
		SURF. WATER DEPTH: N/A	

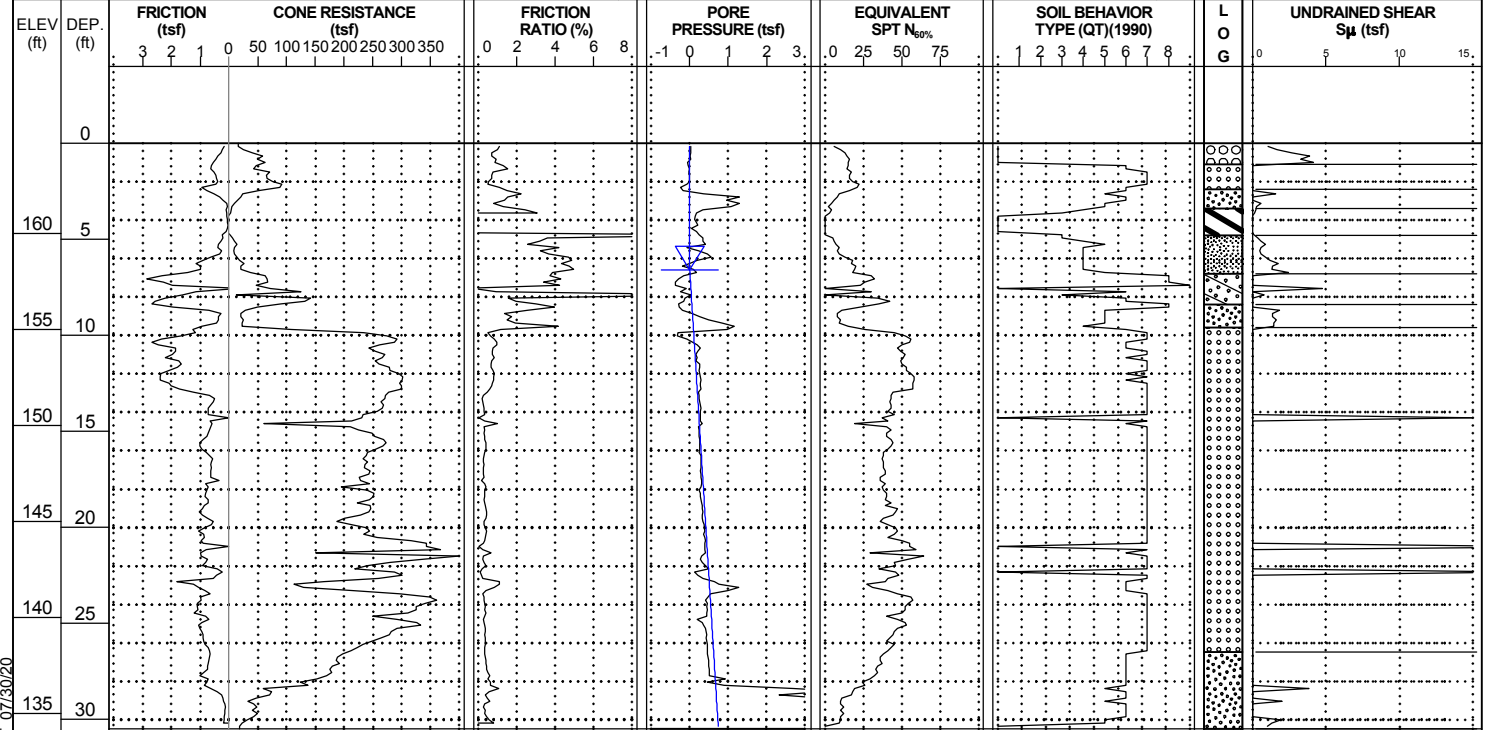


(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 134.9 ft

CONE PENETROMETER TEST BORING REPORT

WBS: 47533.1.1	TIP: I-5987	COUNTY: ROBESON/CUMBERLAND	GEOLOGIST: S. HUDSON	
SITE DESCRIPTION: I-95 CUMBERLAND/ROBESON COUNTIES FROM US 301 (EXIT 22) TO I-95 BUSINESS/US 301 (EXIT 40)				GROUND WTR (ft)
BORING NO.: Y7_3700	STATION: 37+00	OFFSET: CL	ALIGNMENT: -Y7-	EST. 0 HR. 6.6
COLLAR ELEV.: 164.7 ft	TOTAL DEPTH: 30.5 ft	NORTHING: 398,908	EASTING: 2,009,539	24 HR. N/A
CPT RIG/MAX. DOWN PRESSURE: CATLIN CPT/DPT-01 / 9 TONS (NO ANCHORS)		CONE TYPE: TYPE 2 PIEZOCONE		CONE ID: DSG0867

DRILLER: EDDIE SWAIN	OPERATOR: CATLIN	START DATE: 02/26/20	COMP. DATE: 02/26/20	SURF. WATER DEPTH: N/A
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(0 HR. GROUNDWATER ESTIMATED FROM PORE PRESSURE)
Boring Terminated at Elevation 134.2 ft

NCDOI CPT DOUBLE (PORTRAIT) NO-LITH I5987_GEO_ROWY_CATLIN_GTM-DRILLED_REVISED.GPJ_NCDOT_CATLIN.GDT_07/30/20

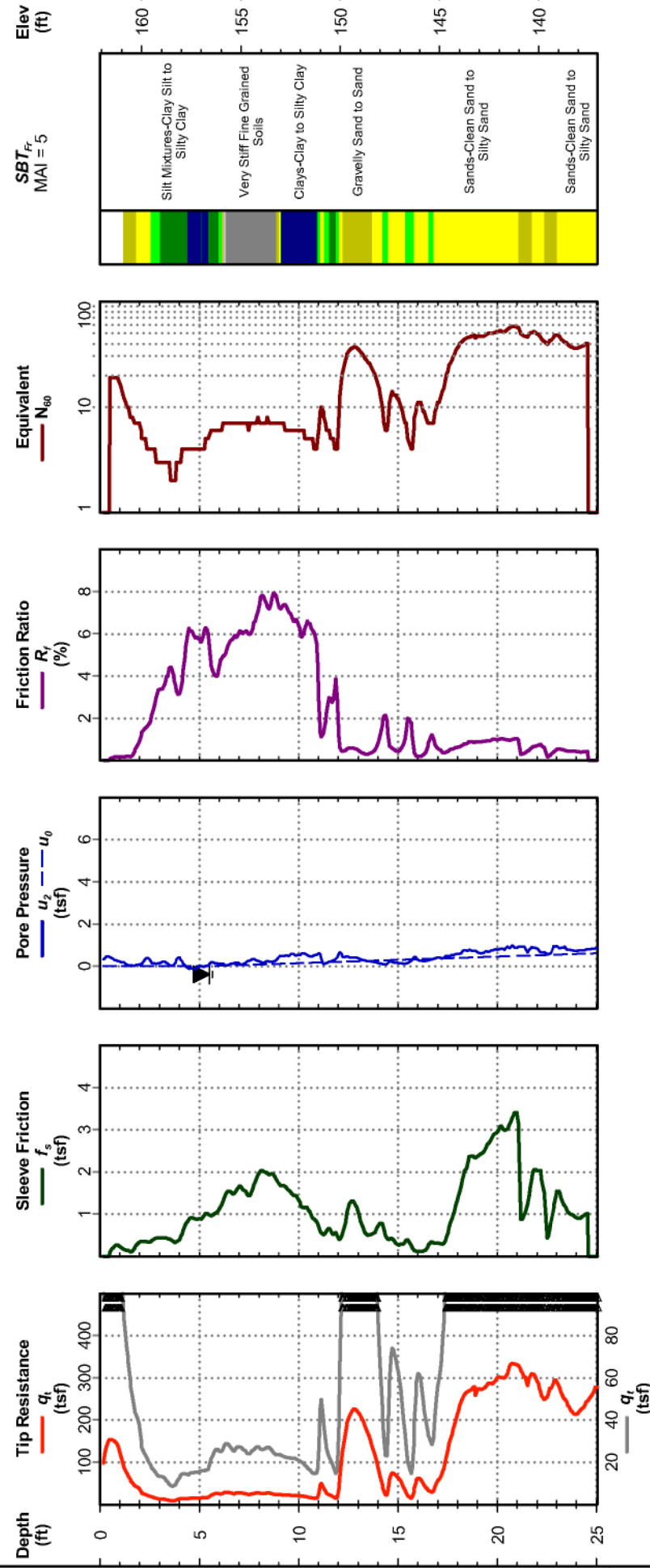


I-95 Widening (I-5987B)
Robeson County, North Carolina
S&ME Project No: 6235-20-008

Northing: 386403
 Easting: 2004362
 Elevation: 162.1 ft
 Date: Oct. 12, 2021
 Estimated Water Depth: 5.5 ft
 Rig/Operator: Marooka/AF | TC

Sounding ID: 62000

Total Depth: 25.1 ft
 Termination Criteria: Target Depth
 Cone Size: 1.75



Cone Penetration Test

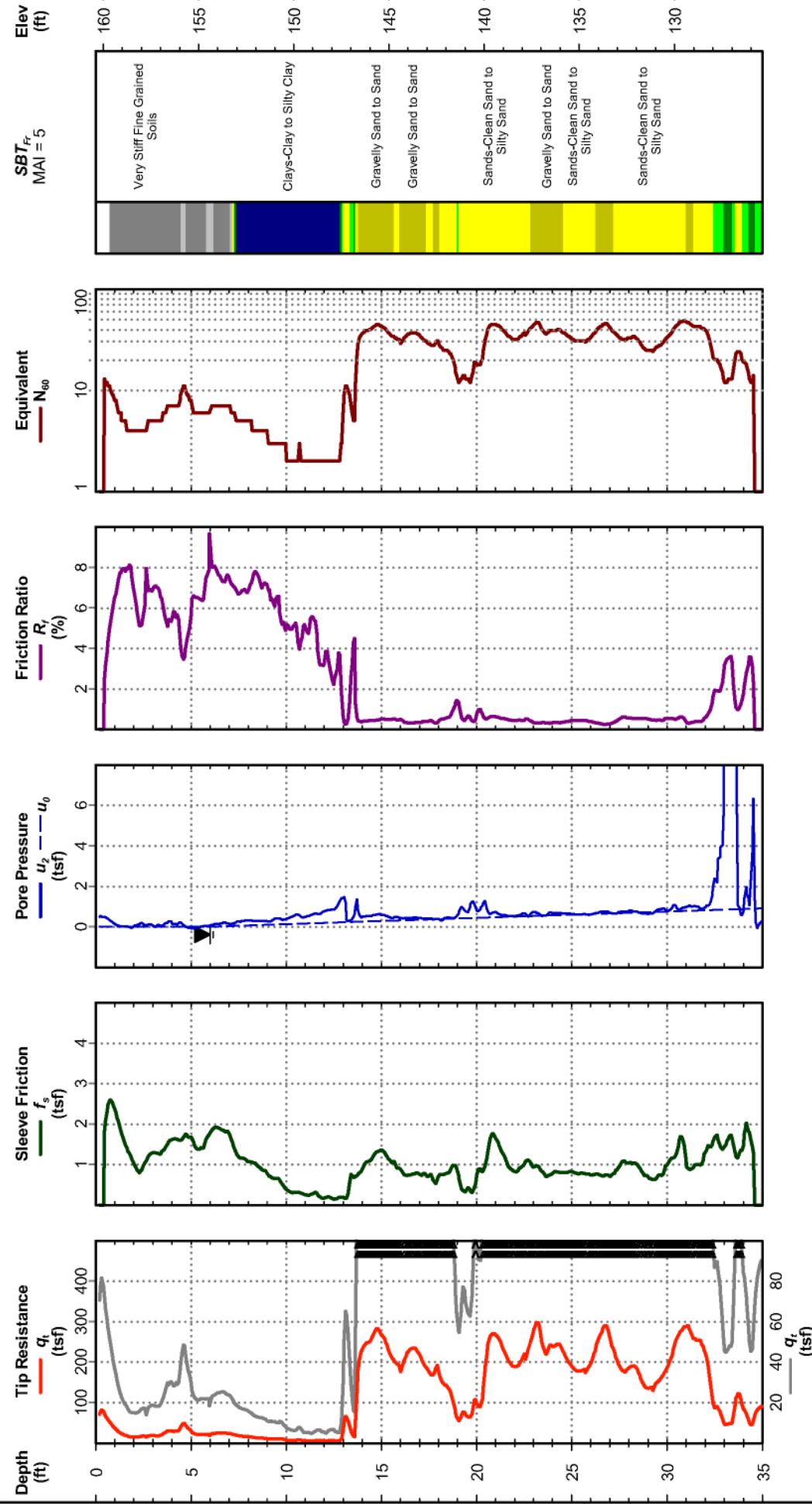


I-95 Widening (I-5987B)
Robeson County, North Carolina
S&ME Project No: 6235-20-008

Northing: 386507
 Easting: 2004372
 Elevation: 160.4 ft
 Date: Oct. 12, 2021
 Estimated Water Depth: 6 ft
 Rig/Operator: Marooka/AF | TC

Sounding ID: 62100

Total Depth: 35.0 ft
 Termination Criteria: Target Depth
 Cone Size: 1.75



Cone Penetration Test

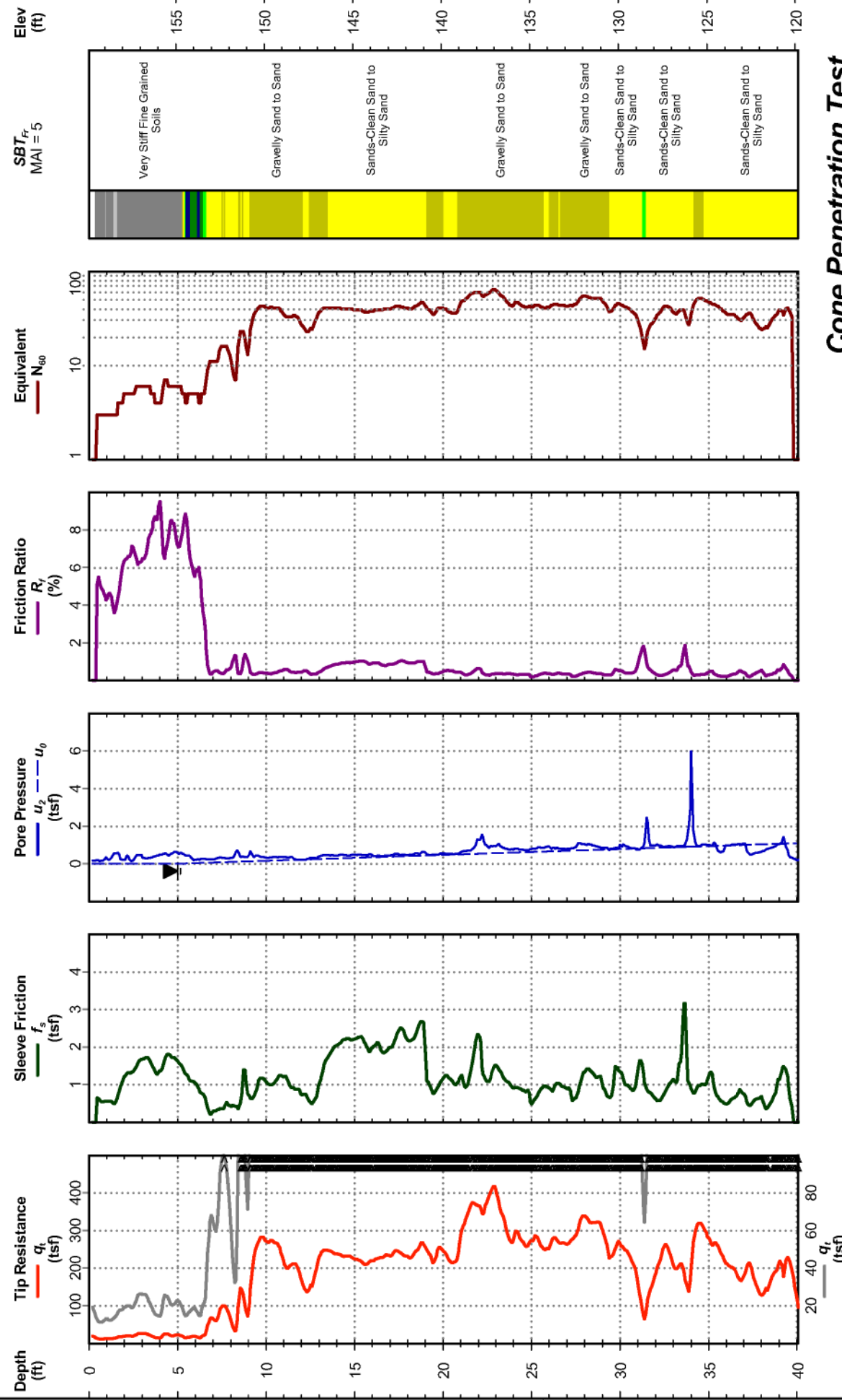


I-95 Widening (I-5987B)
Robeson County, North Carolina
S&ME Project No: 6235-20-008

Northing: 386709
 Easting: 2004411
 Elevation: 159.9 ft
 Date: Oct. 12, 2021
 Estimated Water Depth: 5 ft
 Rig/Operator: Marooka/AF | TC

Sounding ID: 62300

Total Depth: 40.1 ft
 Termination Criteria: Target Depth
 Cone Size: 1.75

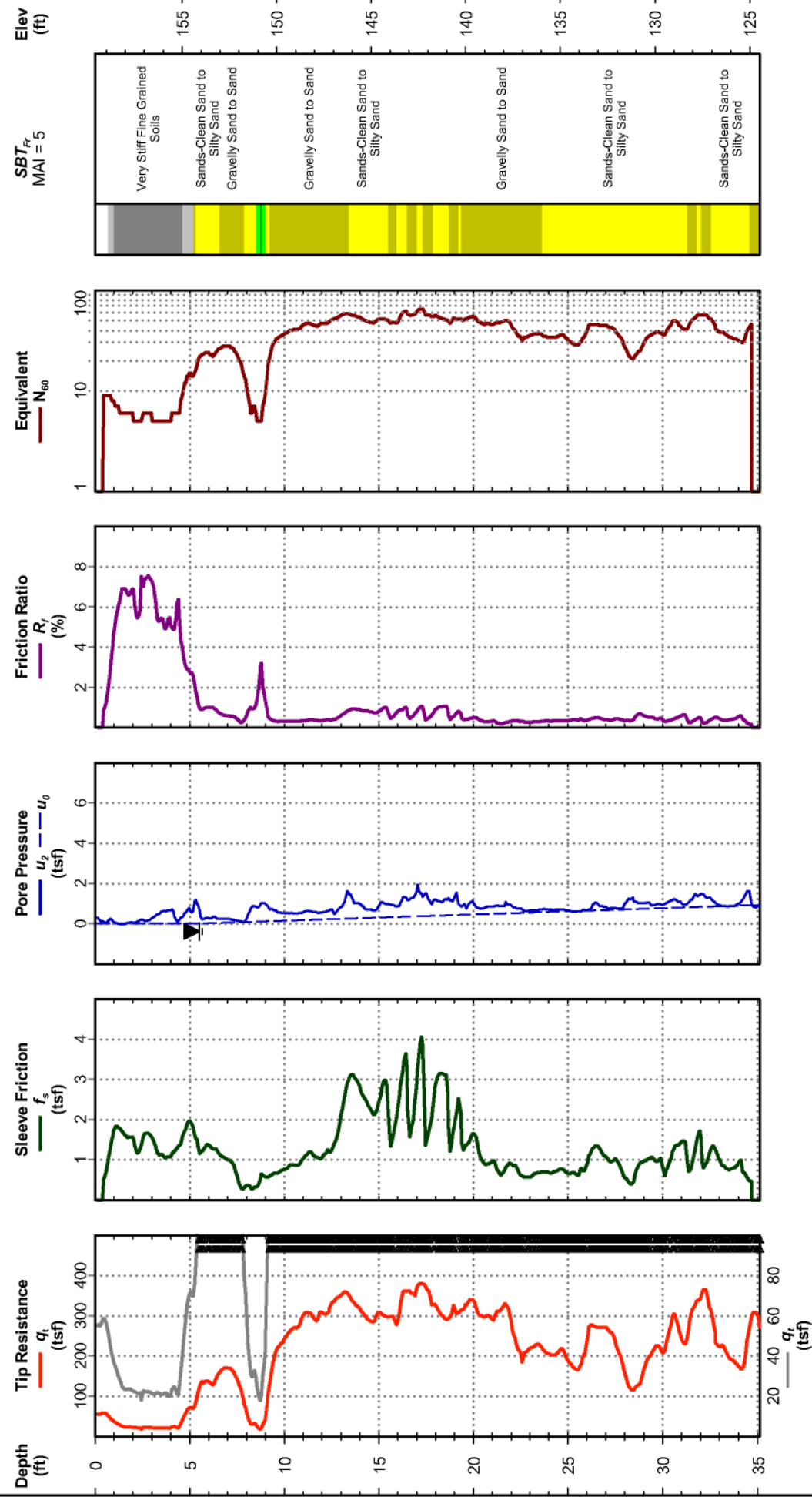


I-95 Widening (I-5987B)
Robeson County, North Carolina
S&ME Project No: 6235-20-008

Northing: 386671
 Easting: 2004545
 Elevation: 159.6 ft
 Date: Oct. 12, 2021
 Estimated Water Depth: 5.5 ft
 Rig/Operator: Marooka/AF | TC

Sounding ID: 62301

Total Depth: 35.1 ft
 Termination Criteria: Target Depth
 Cone Size: 1.75



Cone Penetration Test

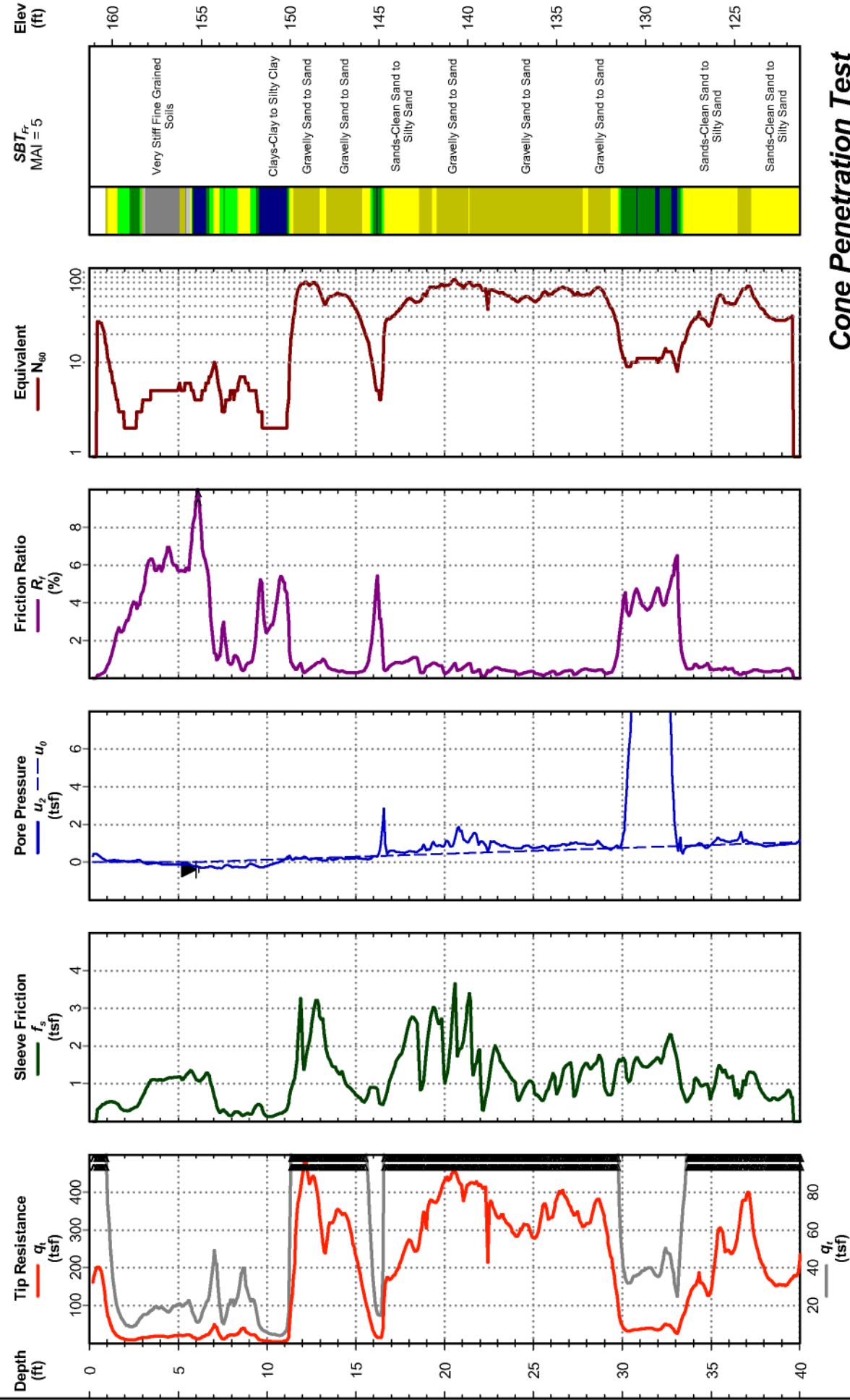


I-95 Widening (I-5987B)
Robeson County, North Carolina
S&ME Project No: 6235-20-008

Northing: 386861
 Easting: 2004436
 Elevation: 161.3 ft
 Date: Oct. 12, 2021
 Estimated Water Depth: 6 ft
 Rig/Operator: Marooka/AF | TC

Sounding ID: 62450

Total Depth: 40.0 ft
 Termination Criteria: Target Depth
 Cone Size: 1.75



Cone Penetration Test

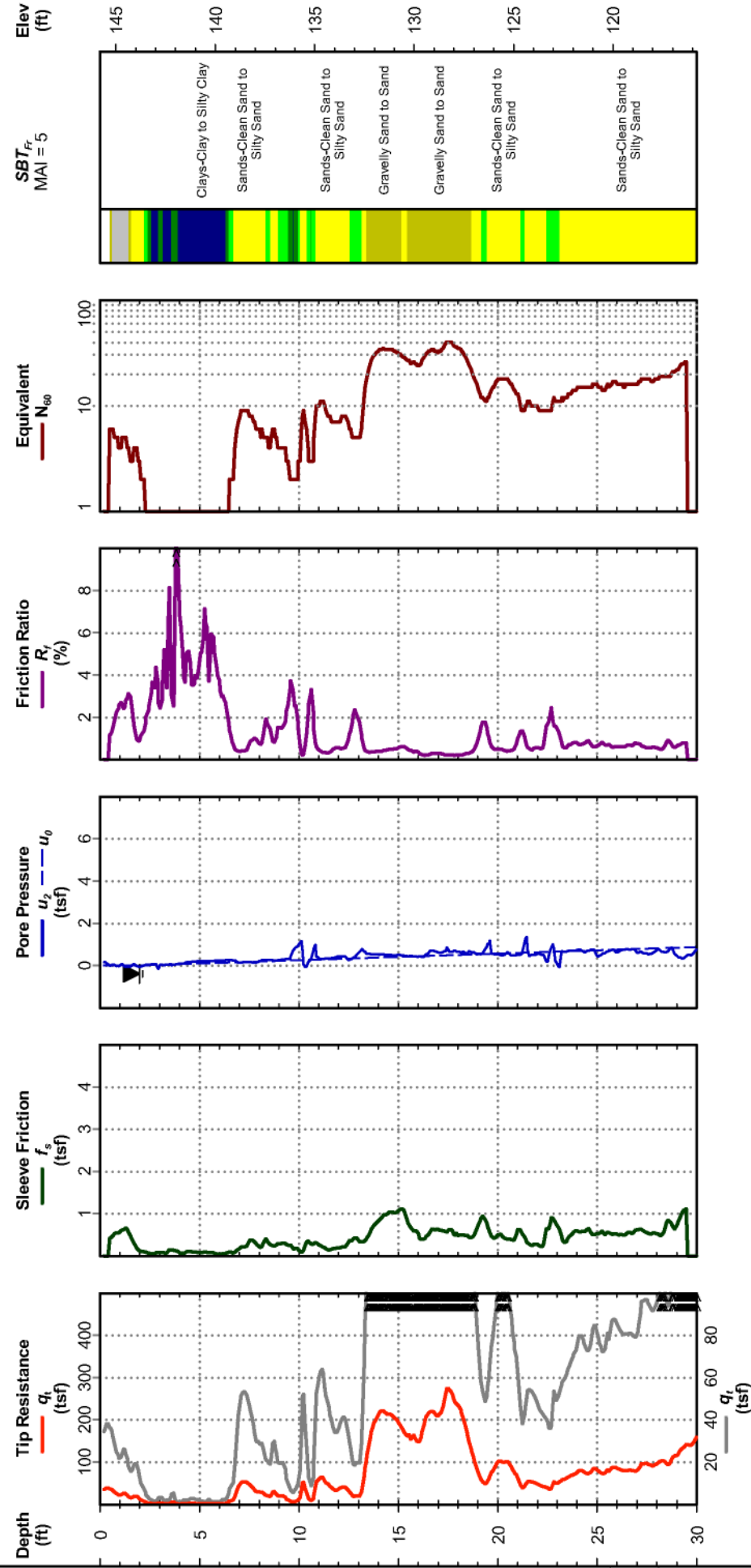


I-95 Widening (I-5987B)
Robeson County, North Carolina
S&ME Project No: 6235-20-008

Northing: 402970
 Easting: 2010291
 Elevation: 145.8 ft
 Date: Oct. 12, 2021
 Estimated Water Depth: 2 ft
 Rig/Operator: Marooka/AF | TC

Sounding ID: 79800

Total Depth: 30.0 ft
 Termination Criteria: Target Depth
 Cone Size: 1.75



Cone Penetration Test

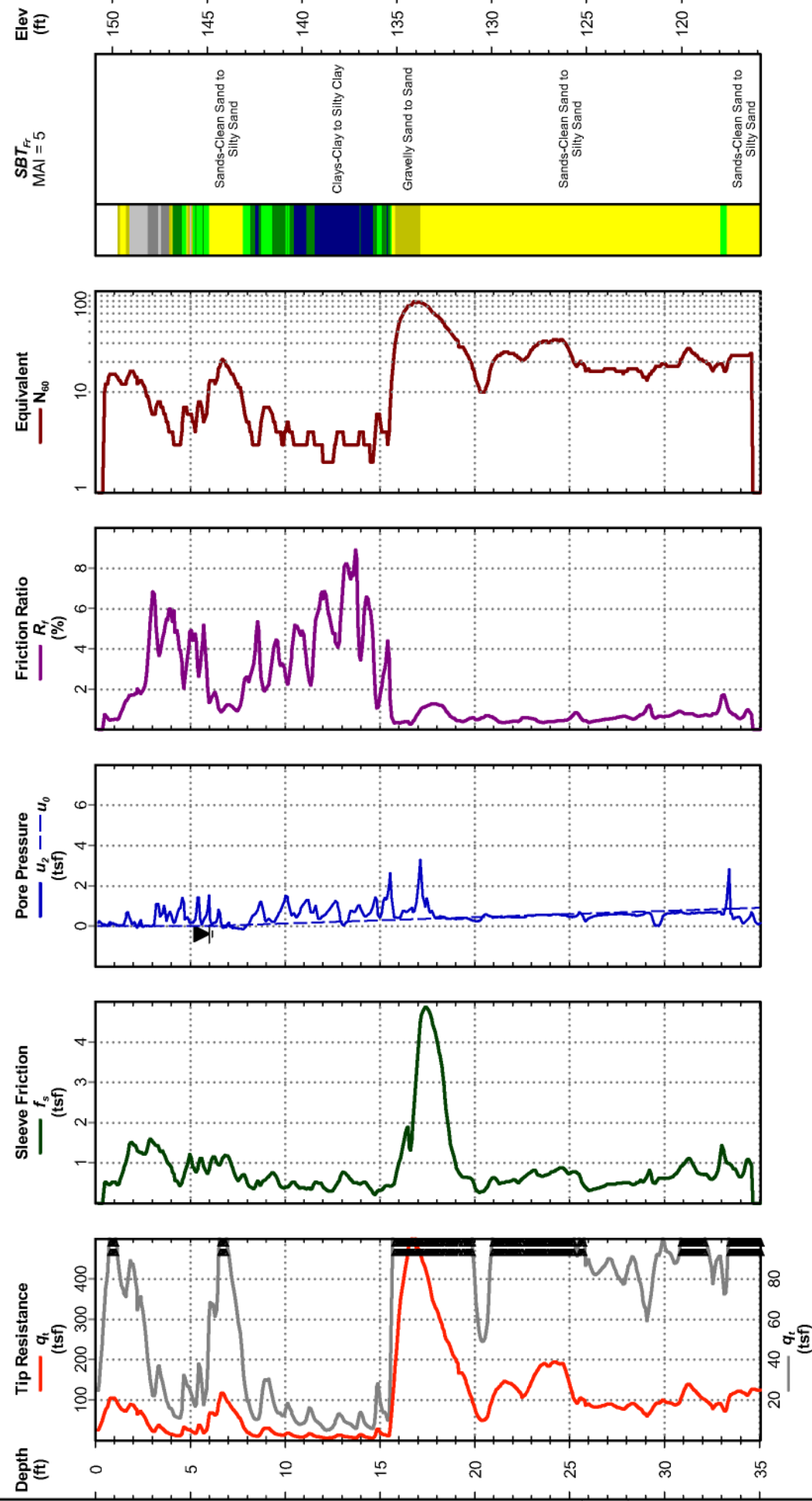


I-95 Widening (I-5987B)
Robeson County, North Carolina
S&ME Project No: 6235-20-008

Northing: 402978
Easting: 2010270
Elevation: 150.9 ft
Date: Oct. 12, 2021
Estimated Water Depth: 6 ft
Rig/Operator: Marooka/AF | TC

Sounding ID: 79805

Total Depth: 35.1 ft
Termination Criteria: Target Depth
Cone Size: 1.75



Cone Penetration Test

Electronic Filename: 79805.DAT

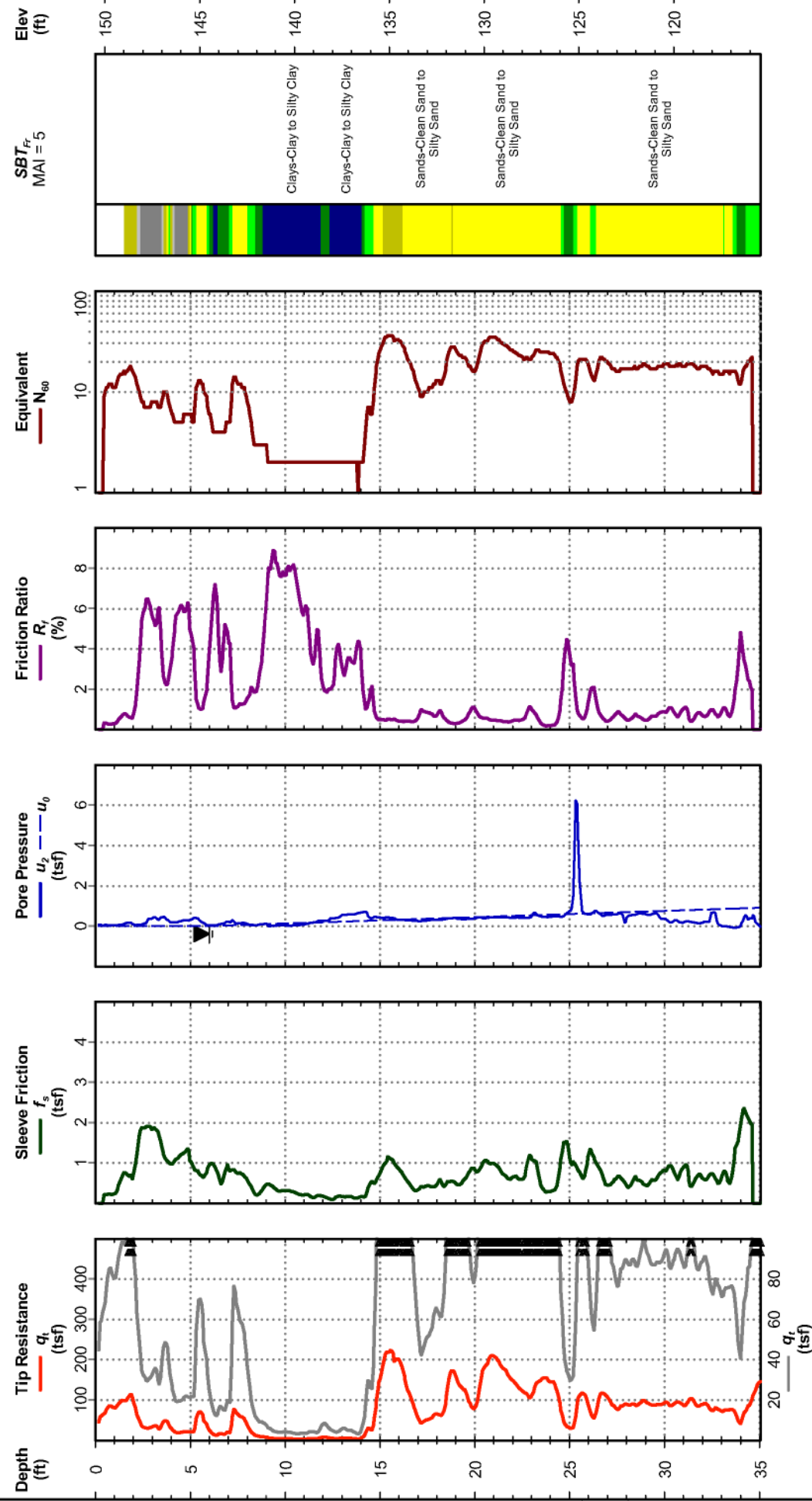


I-95 Widening (I-5987B)
Robeson County, North Carolina
S&ME Project No: 6235-20-008

Northing: 403078
Easting: 2010285
Elevation: 150.5 ft
Date: Oct. 13, 2021
Estimated Water Depth: 6 ft
Rig/Operator: Marooka/AF | TC

Sounding ID: 79905

Total Depth: 35.0 ft
Termination Criteria: Target Depth
Cone Size: 1.75



Cone Penetration Test

Electronic Filename: 79905.DAT

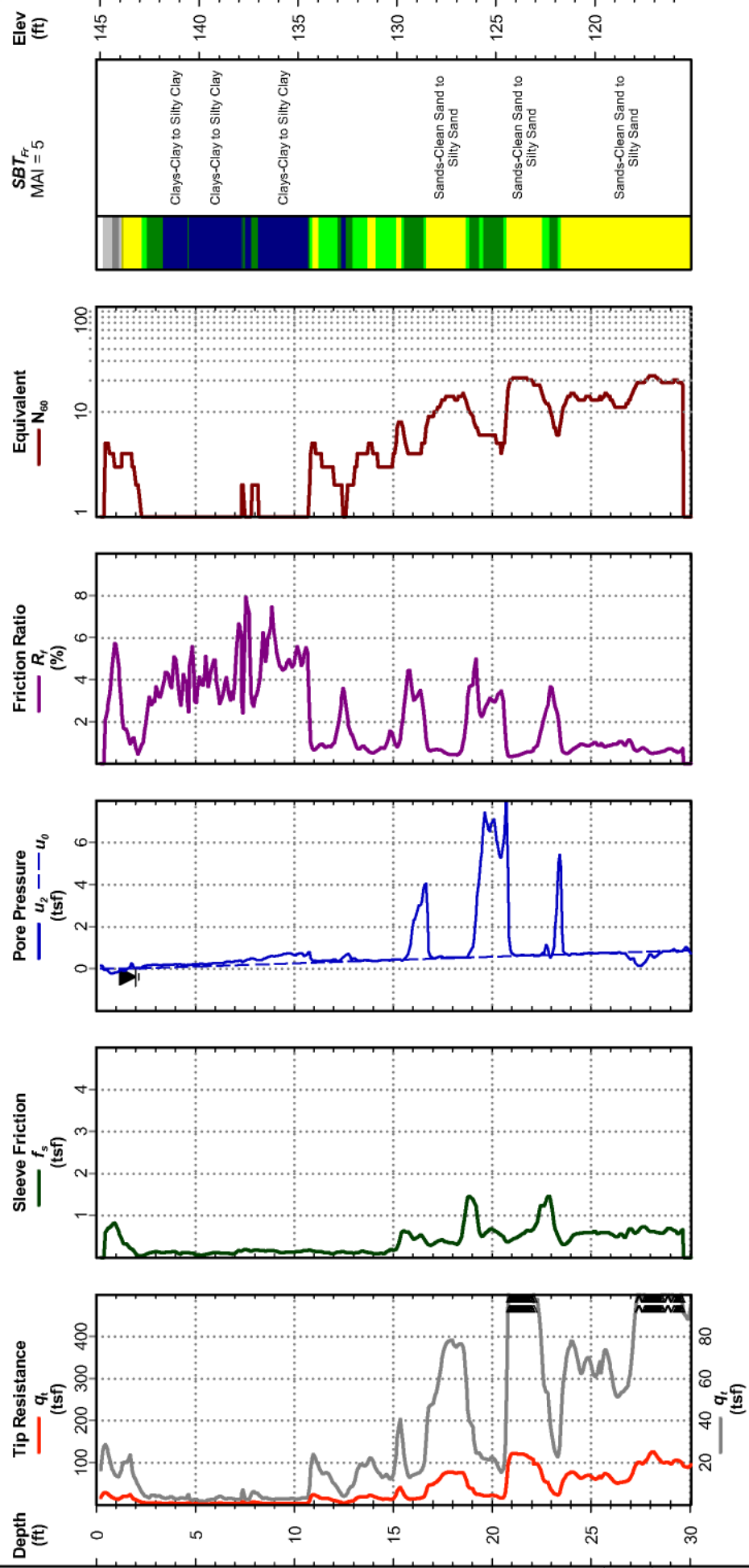


I-95 Widening (I-5987B)
Robeson County, North Carolina
S&ME Project No: 6235-20-008

Northing: 403079
 Easting: 2010307
 Elevation: 145.2 ft
 Date: Oct. 12, 2021
 Estimated Water Depth: 2 ft
 Rig/Operator: Marooka/AF | TC

Sounding ID: 79910

Total Depth: 30.1 ft
 Termination Criteria: Target Depth
 Cone Size: 1.75



Cone Penetration Test

Electronic Filename: 79910.DAT

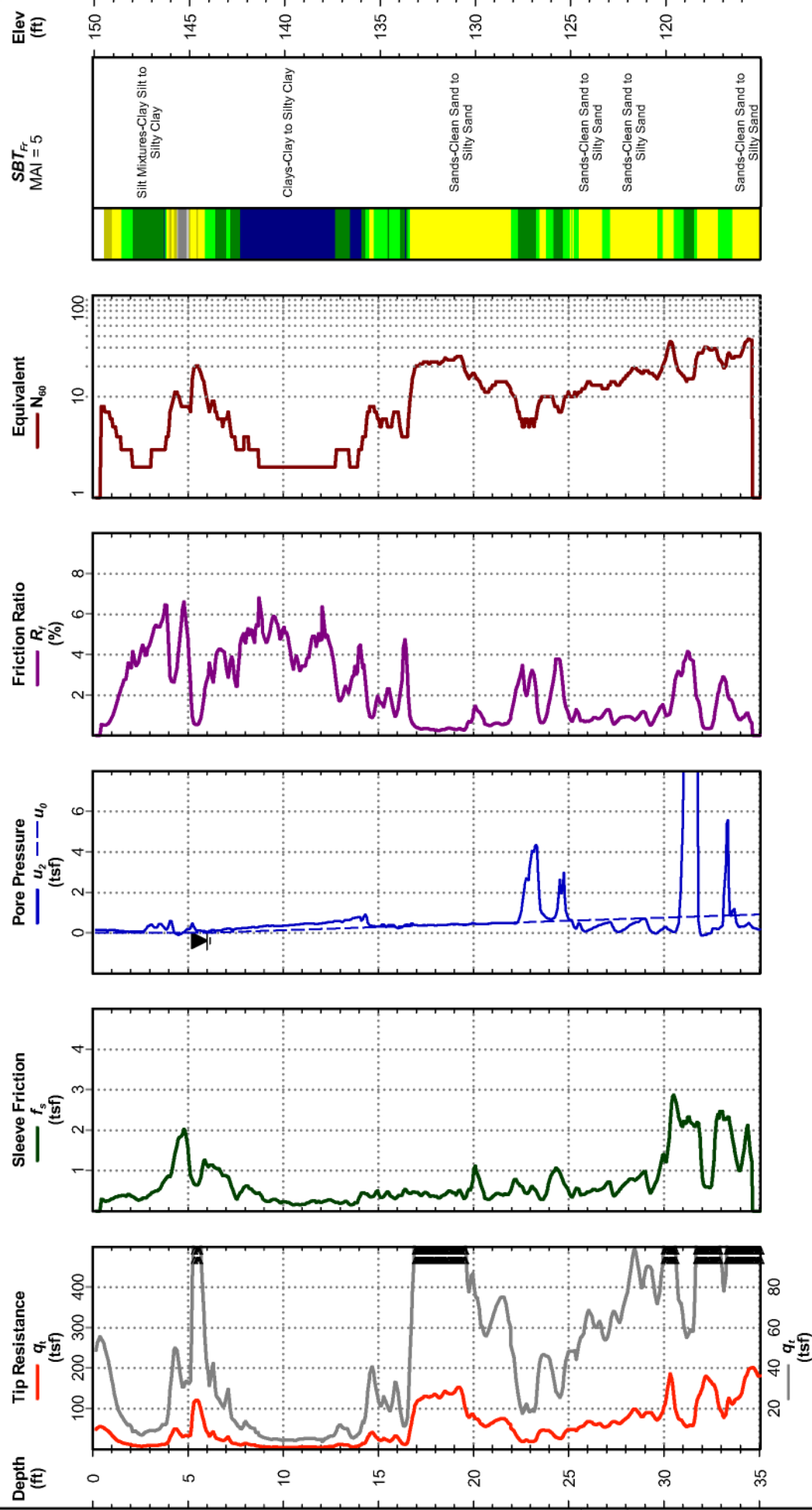


I-95 Widening (I-5987B)
Robeson County, North Carolina
S&ME Project No: 6235-20-008

Northing: 403196
 Easting: 2010302
 Elevation: 150.1 ft
 Date: Oct. 12, 2021
 Estimated Water Depth: 6 ft
 Rig/Operator: Marooka/AF | TC

Sounding ID: 80025

Total Depth: 35.1 ft
 Termination Criteria: Target Depth
 Cone Size: 1.75



Cone Penetration Test

Electronic Filename: 80025.DAT

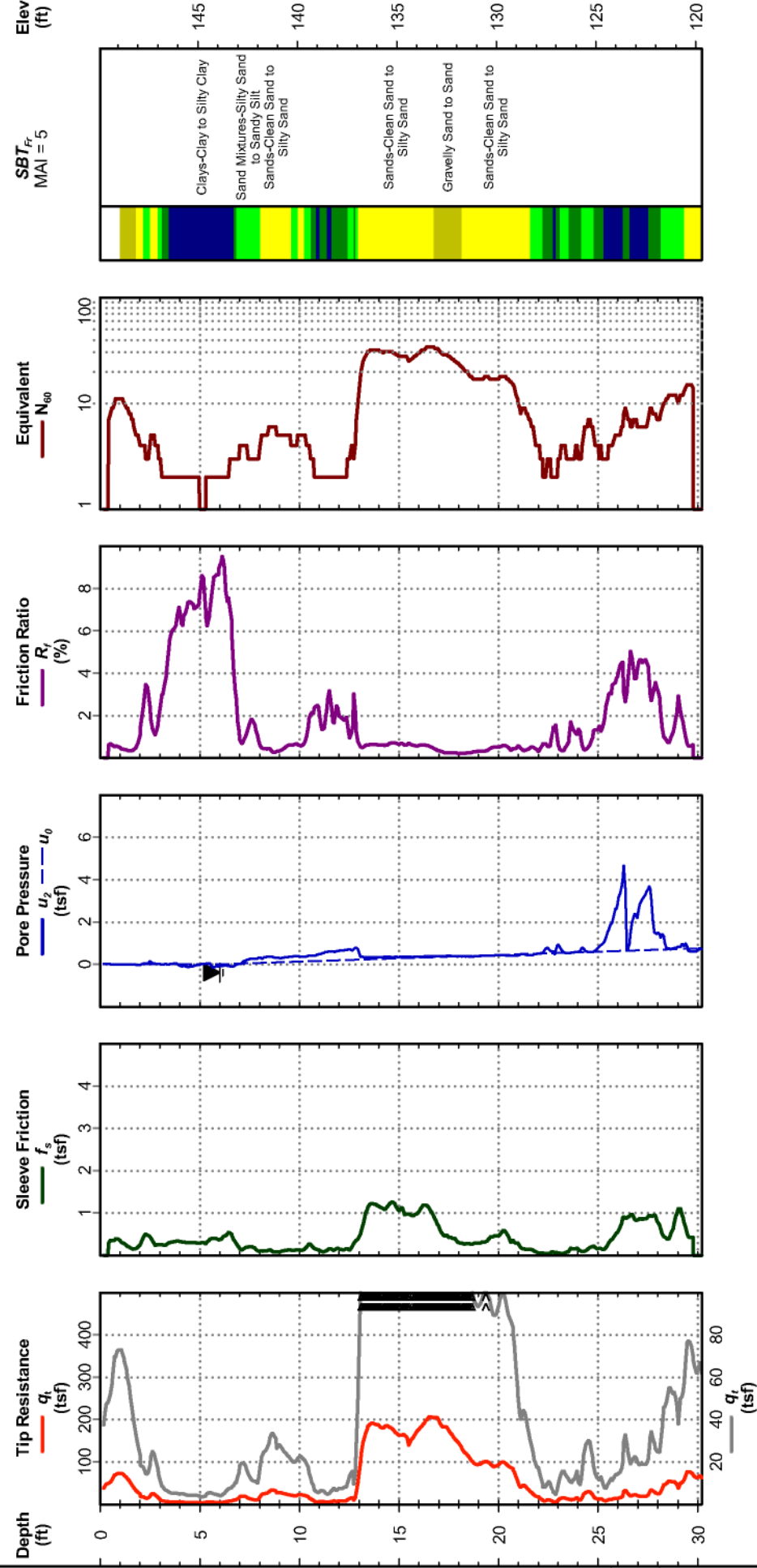


I-95 Widening (I-5987B)
Robeson County, North Carolina
S&ME Project No: 6235-20-008

Northing: 403864
 Easting: 2010401
 Elevation: 149.9 ft
 Date: Oct. 13, 2021
 Estimated Water Depth: 6 ft
 Rig/Operator: Marooka/AF | TC

Sounding ID: 80700

Total Depth: 30.2 ft
 Termination Criteria: Target Depth
 Cone Size: 1.75



Cone Penetration Test

Electronic Filename: 80700.DAT

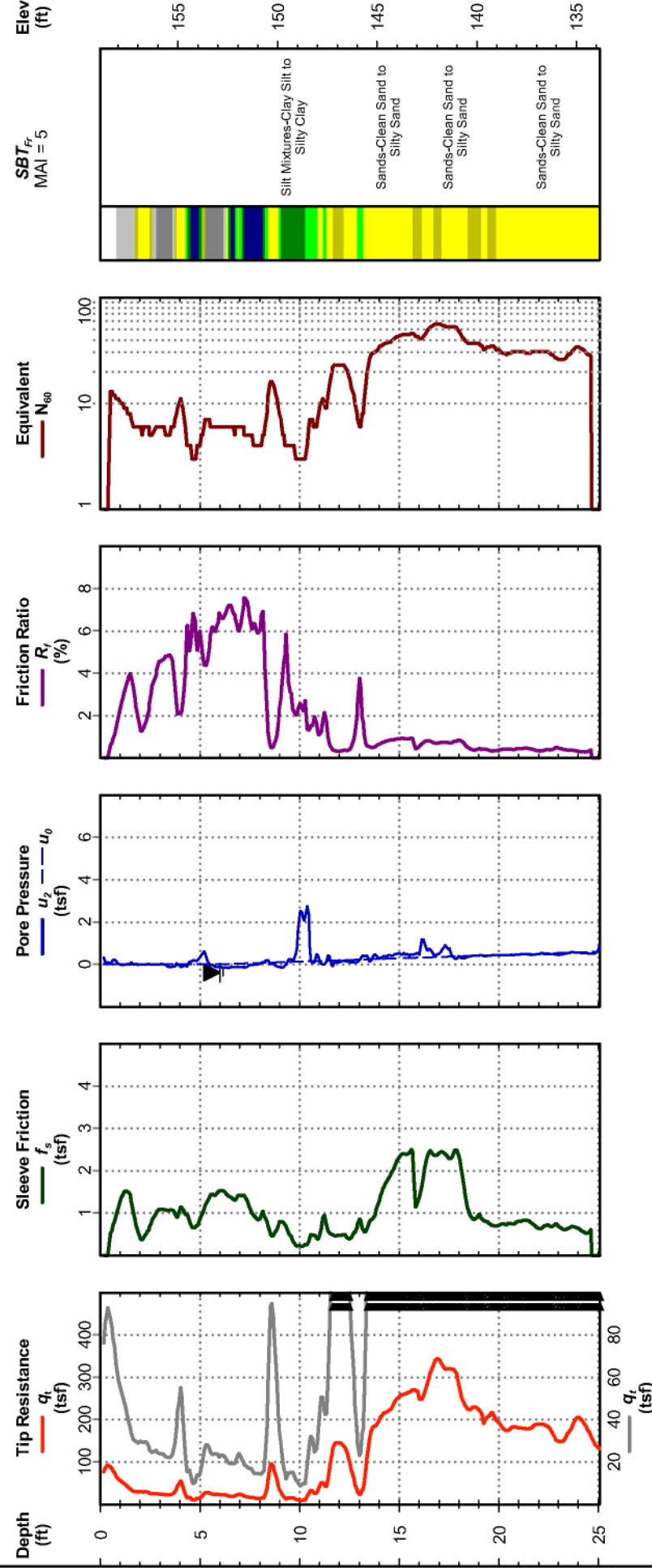


I-95 Widening (I-5987B)
Robeson County, North Carolina
S&ME Project No: 6235-20-008

Northing: 386465
 Easting: 2004495
 Elevation: 158.9 ft
 Date: Oct. 12, 2021
 Estimated Water Depth: 6 ft
 Rig/Operator: Marooka/AF | TC

Sounding ID: 62100RT

Total Depth: 25.1 ft
 Termination Criteria: Target Depth
 Cone Size: 1.75



Cone Penetration Test

Electronic Filename: 62100RT.DAT

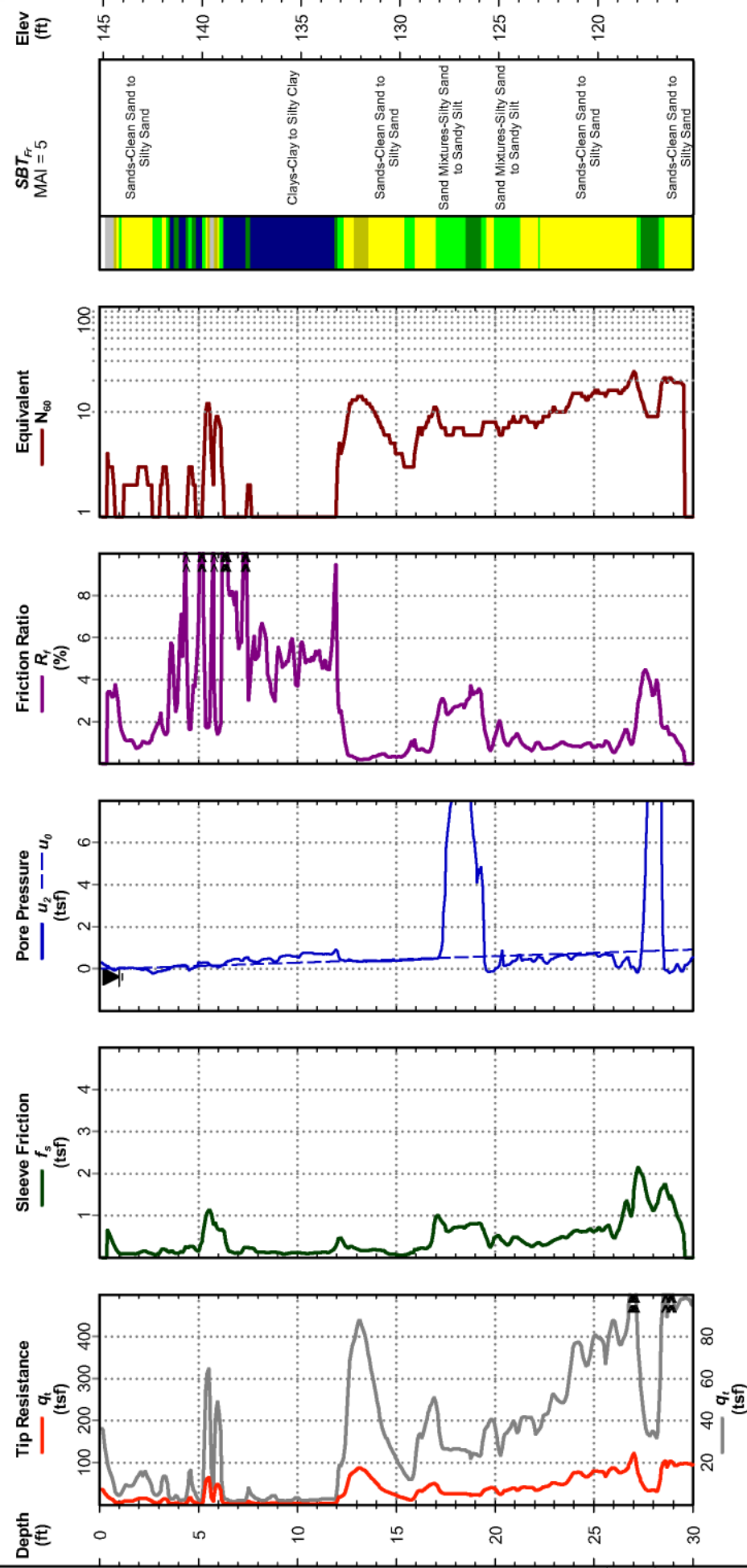


I-95 Widening (I-5987B)
Robeson County, North Carolina
S&ME Project No: 6235-20-008

Northing: 403193
 Easting: 2010324
 Elevation: 145.2 ft
 Date: Oct. 12, 2021
 Estimated Water Depth: 1 ft
 Rig/Operator: Marooka/AF | TC

Sounding ID: 80025RT

Total Depth: 30.0 ft
 Termination Criteria: Target Depth
 Cone Size: 1.75



Cone Penetration Test

Electronic Filename: 80025RT.DAT

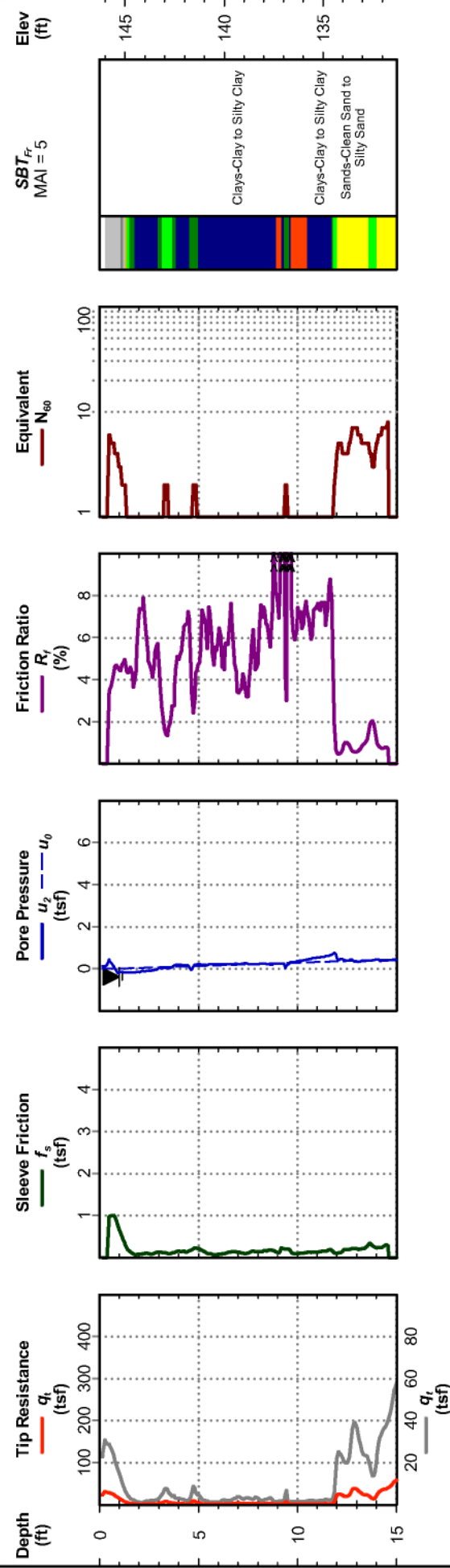


I-95 Widening (I-5987B)
Robeson County, North Carolina
S&ME Project No: 6235-20-008

Northing: 403202
 Easting: 2010319
 Elevation: 146.3 ft
 Date: Oct. 12, 2021
 Estimated Water Depth: 1 ft
 Rig/Operator: Marooka/AF | TC

Sounding ID: 80025RTA

Total Depth: 15.0 ft
 Termination Criteria: Target Depth
 Cone Size: 1.75



Cone Penetration Test

Electronic Filename: 80025TA.DAT