

REFERENCE: R-2582A

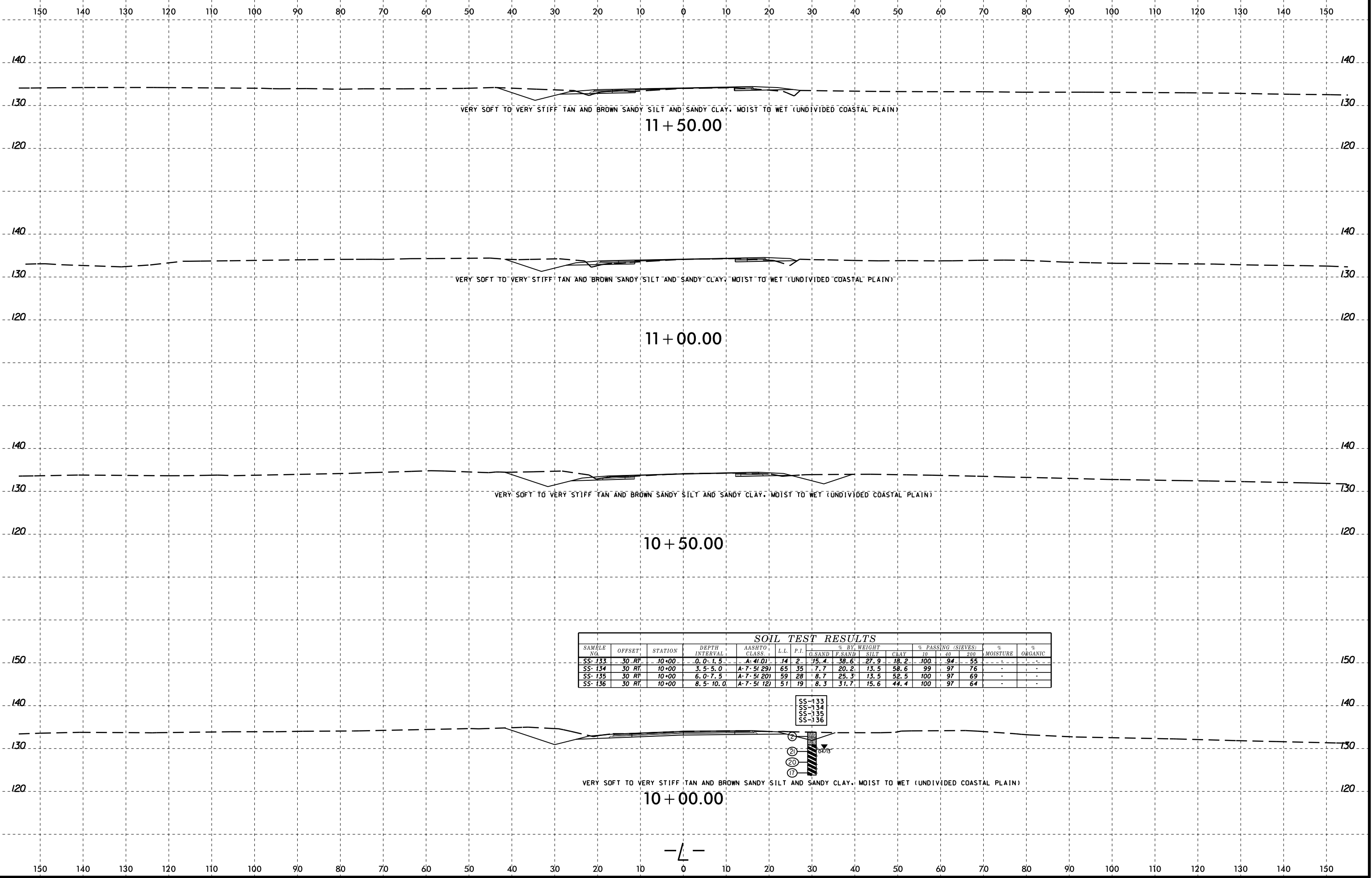
PROJECT: 34472

*NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
GEOTECHNICAL ENGINEERING UNIT
SUBSURFACE INVESTIGATION
INVENTORY
SECTION 3*

DS
LCB
INITIALS

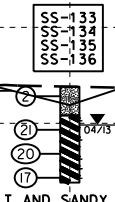
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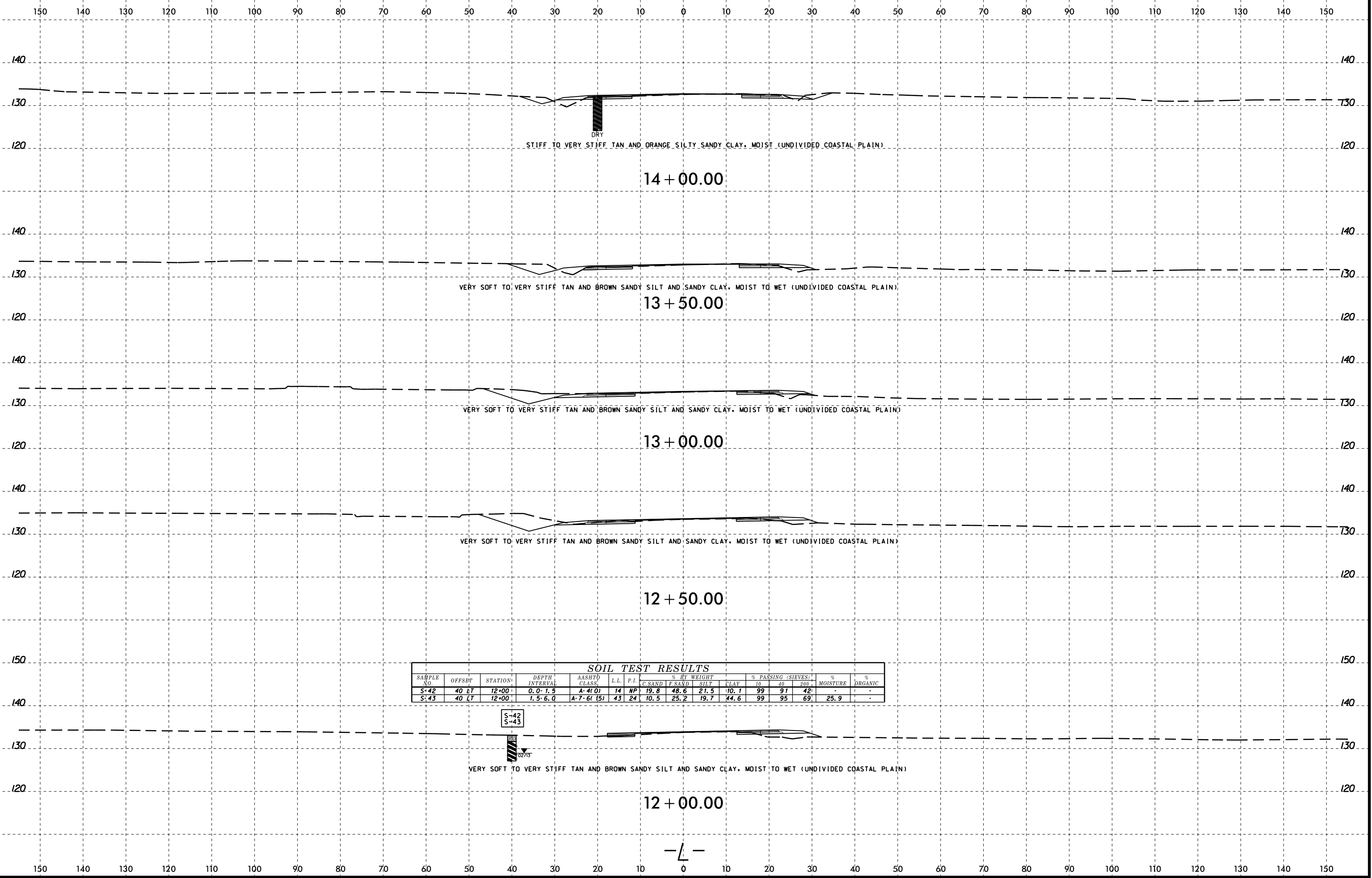
DATE



SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							SAND	F. SAND	SILT	CLAY	10	40	200		
SS-133	30 RT	10+00	0.0-1.5	A-4(0)	14	2	75.4	38.6	27.9	18.2	100	94	55	-	-
SS-134	30 RT	10+00	3.5-5.0	A-7-5(29)	65	35	7.7	20.2	13.5	58.6	99	97	76	-	-
SS-135	30 RT	10+00	6.0-7.5	A-7-5(20)	59	28	8.7	25.3	13.5	52.5	100	97	69	-	-
SS-136	30 RT	10+00	8.5-10.0	A-7-5(12)	51	19	8.3	31.7	15.6	44.4	100	97	64	-	-

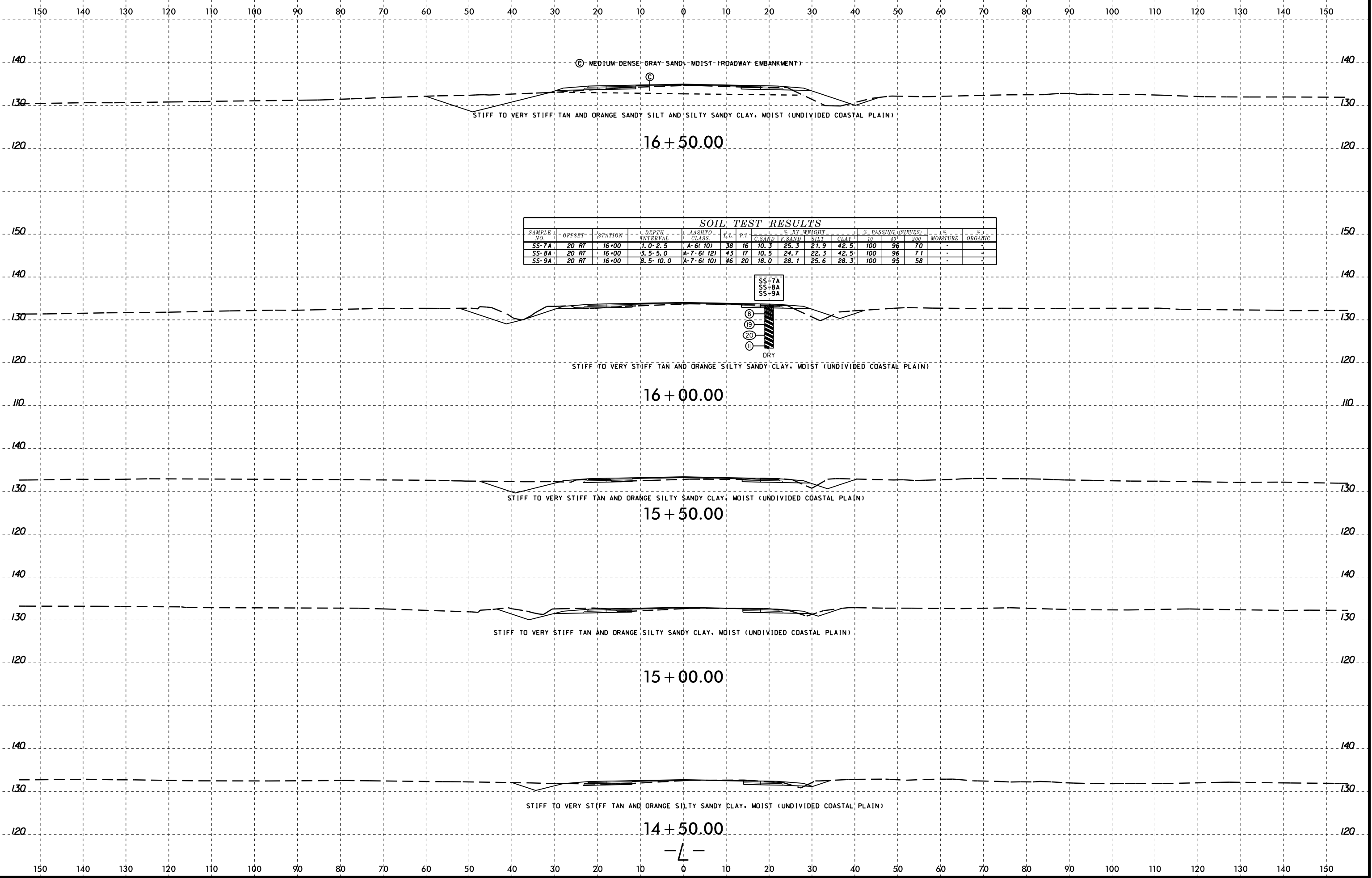




SOIL TEST RESULTS

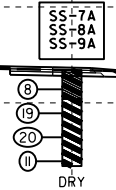
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
S-42	40 LT	12+00	0.0-1.5	A-4(0)	14	NP	19.8	48.6	21.5	10.1	99	91	42	-	-
S-43	40 LT	12+00	1.5-6.0	A-7-6(15)	43	24	10.5	25.2	19.7	44.6	99	95	69	25.9	-

8/23/99
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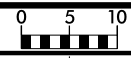


SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	LL	PL	% BY WEIGHT				% PASSING (SIEVES)		1% MOISTURE	% ORGANIC
							C. SAND	F SAND	SILT	CLAY	10	200		
SS-7A	20 RT	16+00	1.0-2.5	A-6(10)	38	16	10.3	25.3	21.9	42.5	100	96	70	-
SS-8A	20 RT	16+00	3.5-5.0	A-7-6(12)	43	17	10.5	24.7	22.3	42.5	100	96	71	-
SS-9A	20 RT	16+00	8.5-10.0	A-7-6(10)	46	20	18.0	28.1	25.6	28.3	100	95	58	-

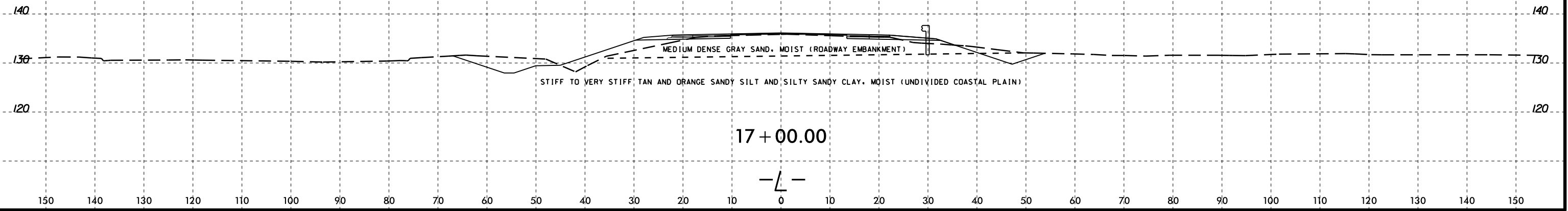


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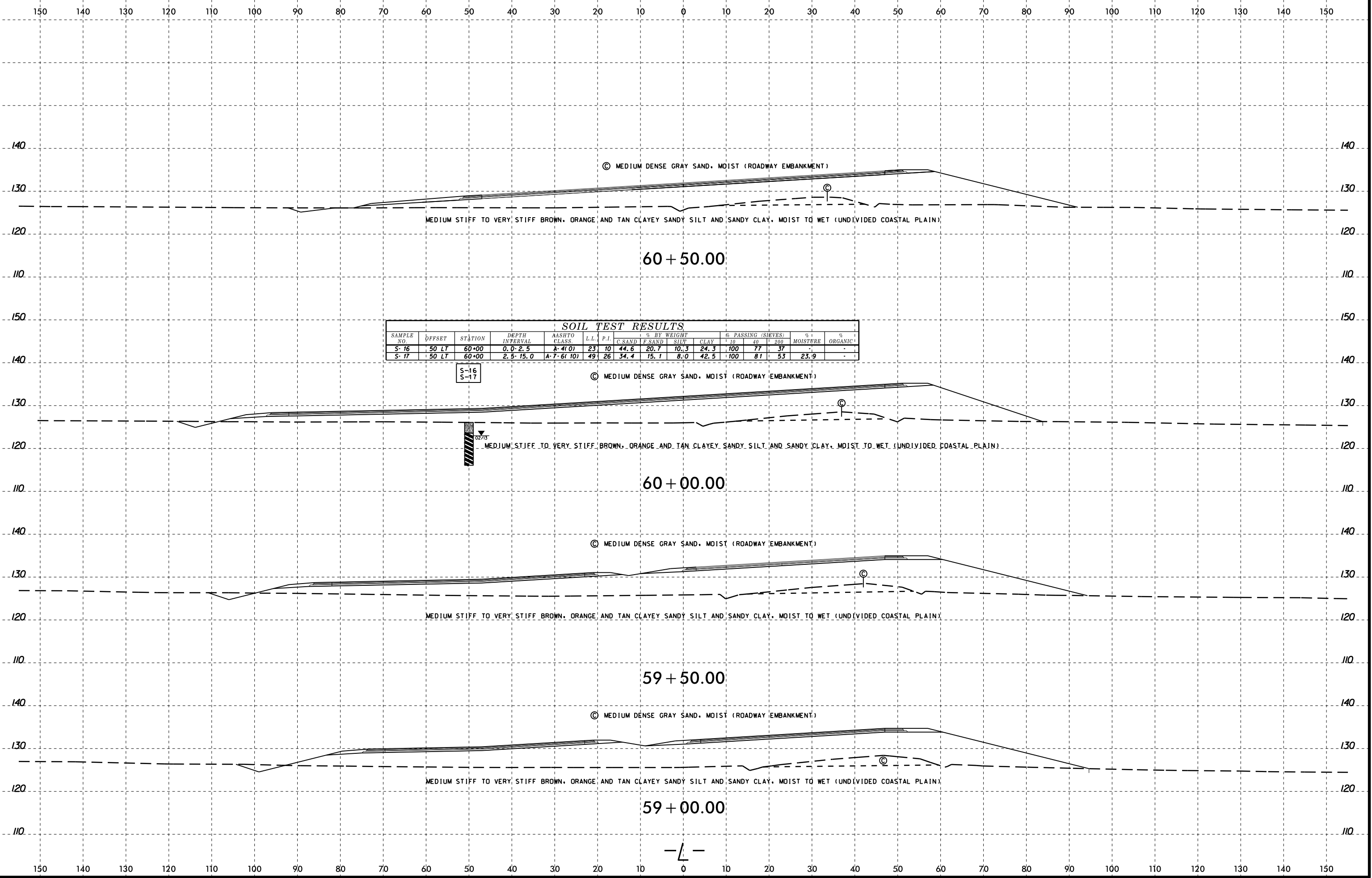


PROJ. REFERENCE NO.	SHEET NO.
R-2582A	101

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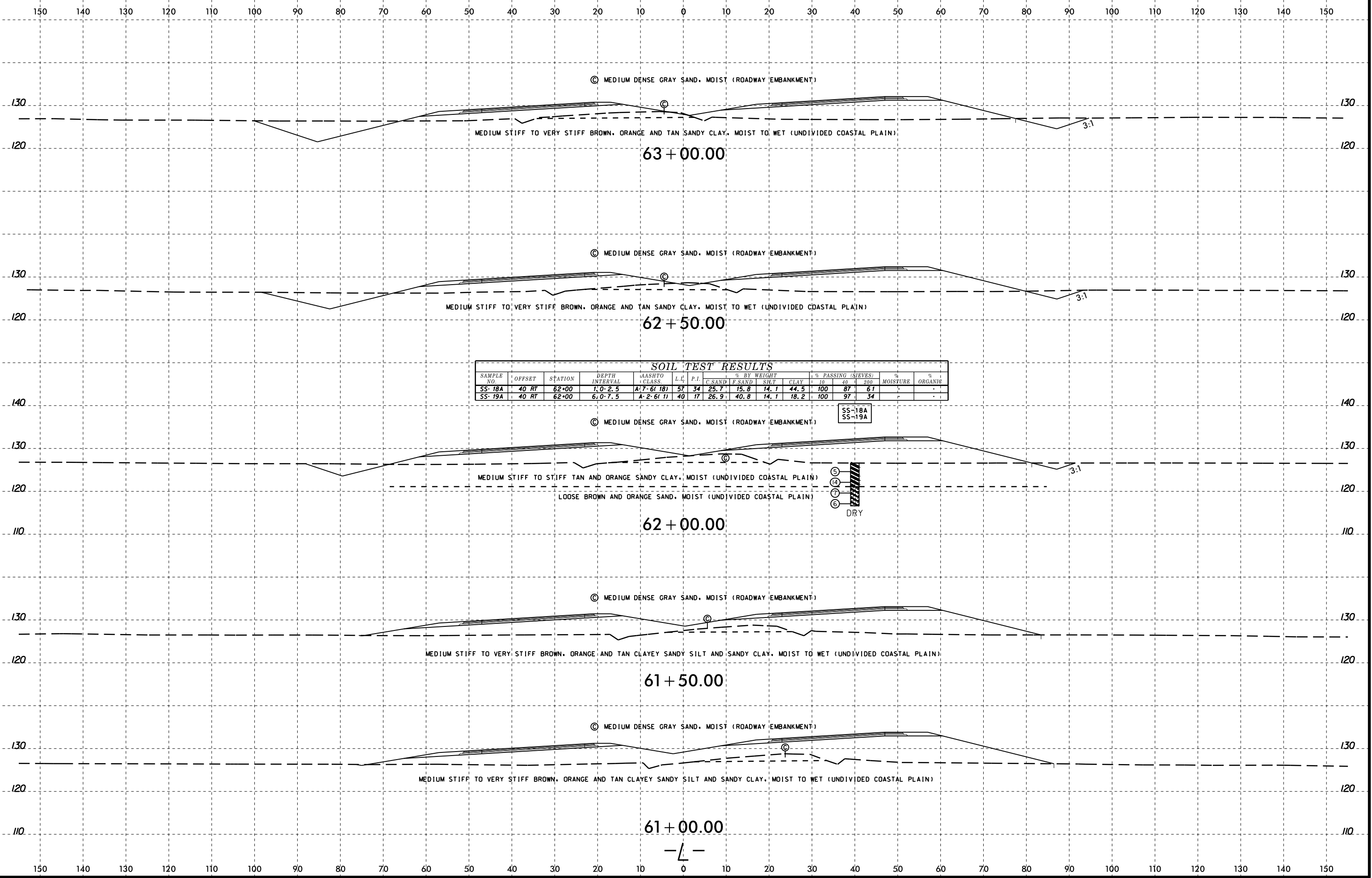
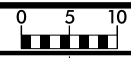


SOIL TEST RESULTS

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-16	50 LT	60+00	0.0-2.5	A-4(0)	23	10	44.6	20.7	10.3	24.3	100	77	37	-	-
S-17	50 LT	60+00	2.5-15.0	A-7-6(10)	49	26	34.4	15.1	8.0	42.5	100	81	53	23.9	-

S-16
S-17

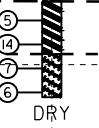
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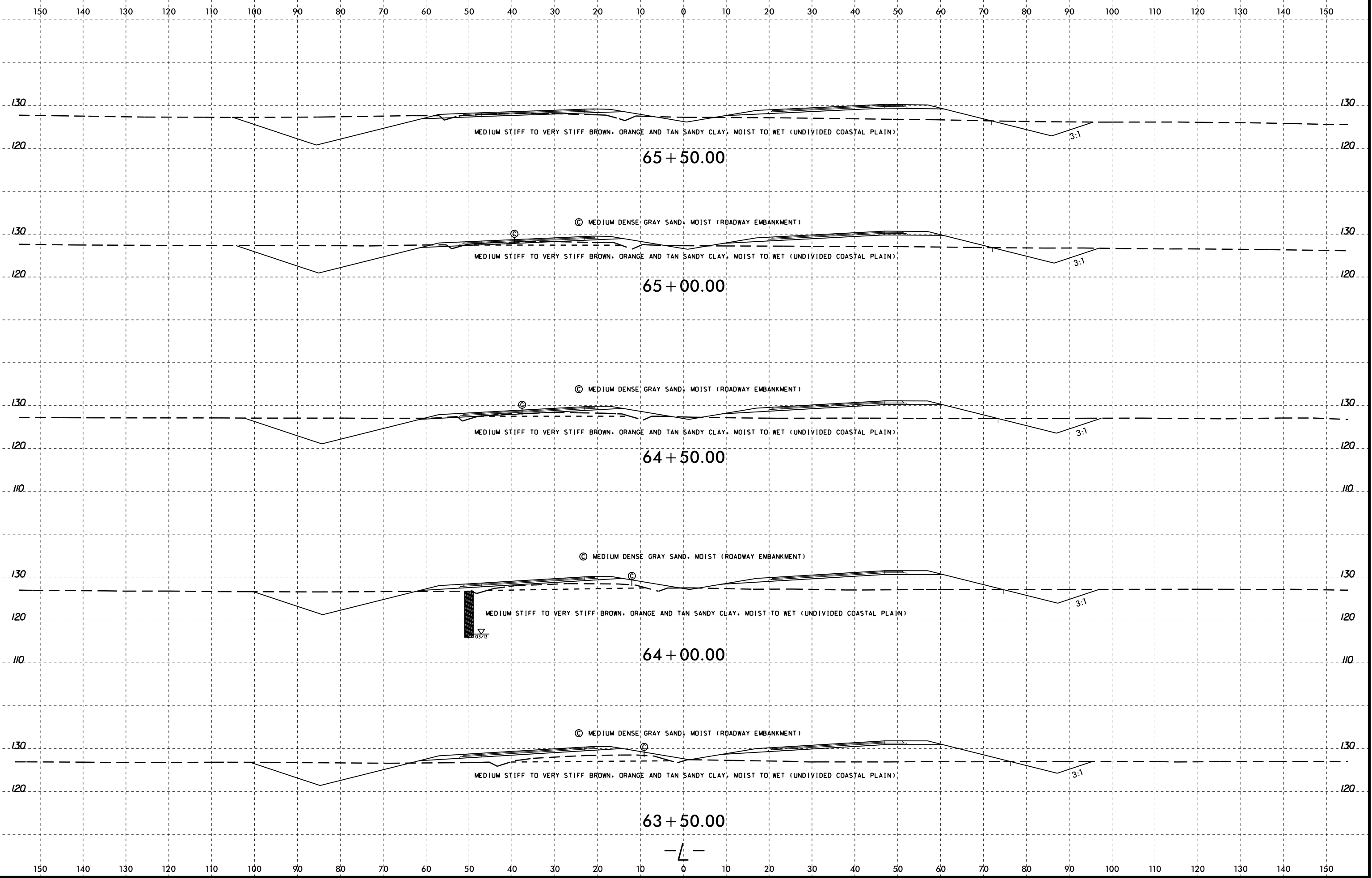
SOIL TEST RESULTS

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-18A	40 RT	62+00	1.0-2.5	A-7-6(18)	57	34	25.7	15.8	14.1	44.5	100	87	61	-	-
SS-19A	40 RT	62+00	6.0-7.5	A-2-6(1)	40	17	26.9	40.8	14.1	18.2	100	97	34	-	-

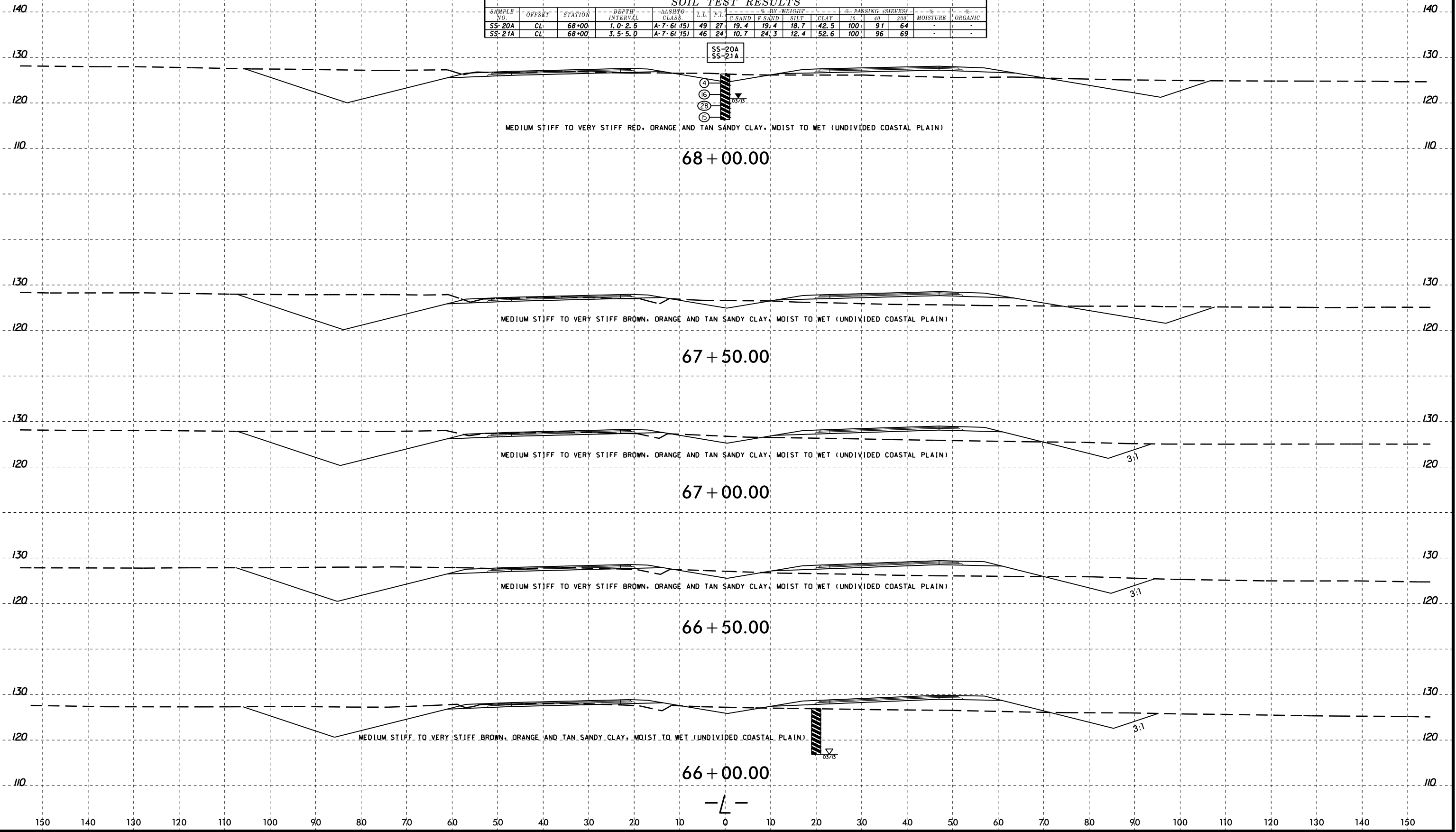
SS-18A
SS-19A

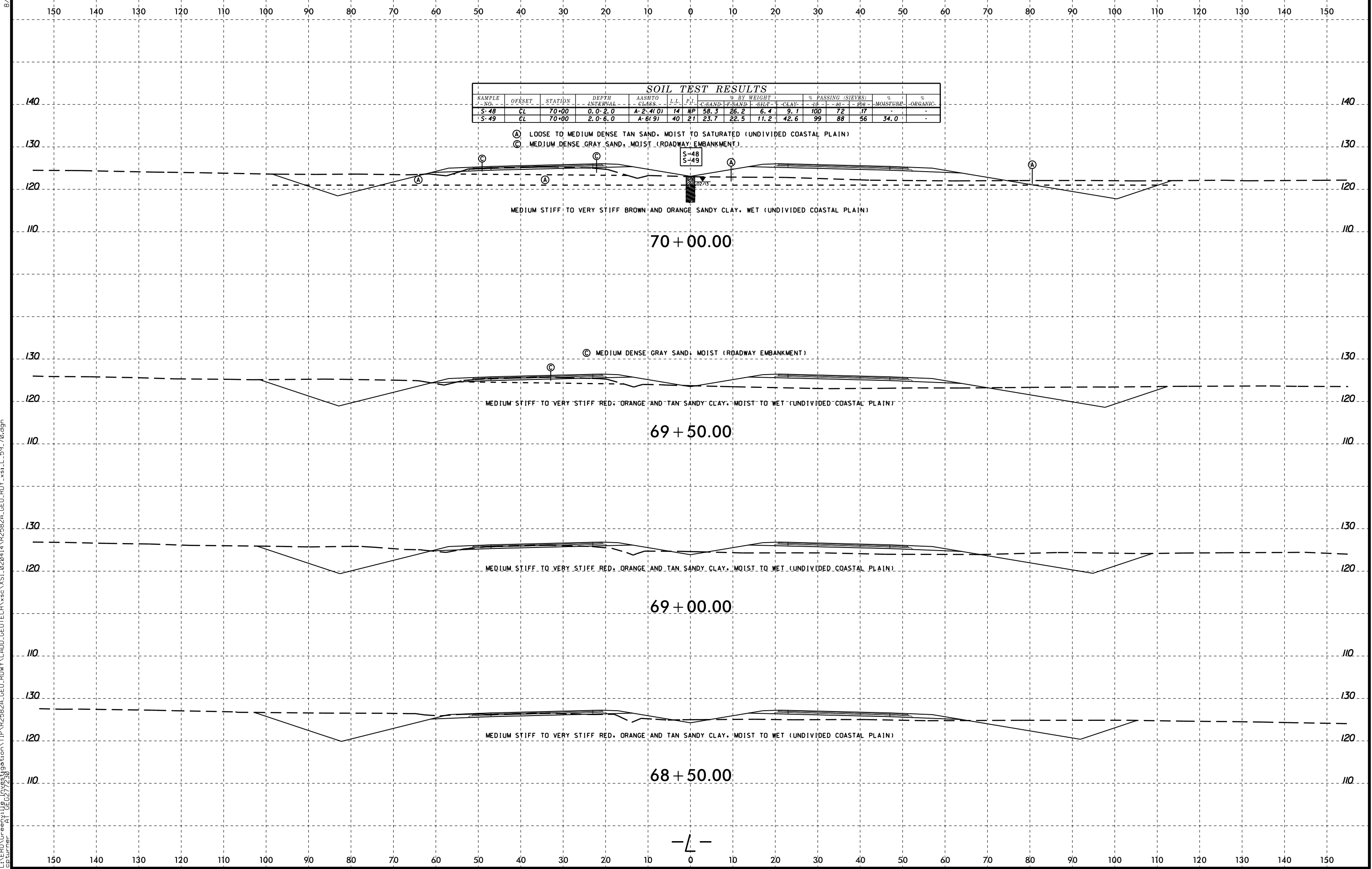


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Atty: GEG/7/23/99
G. Turner



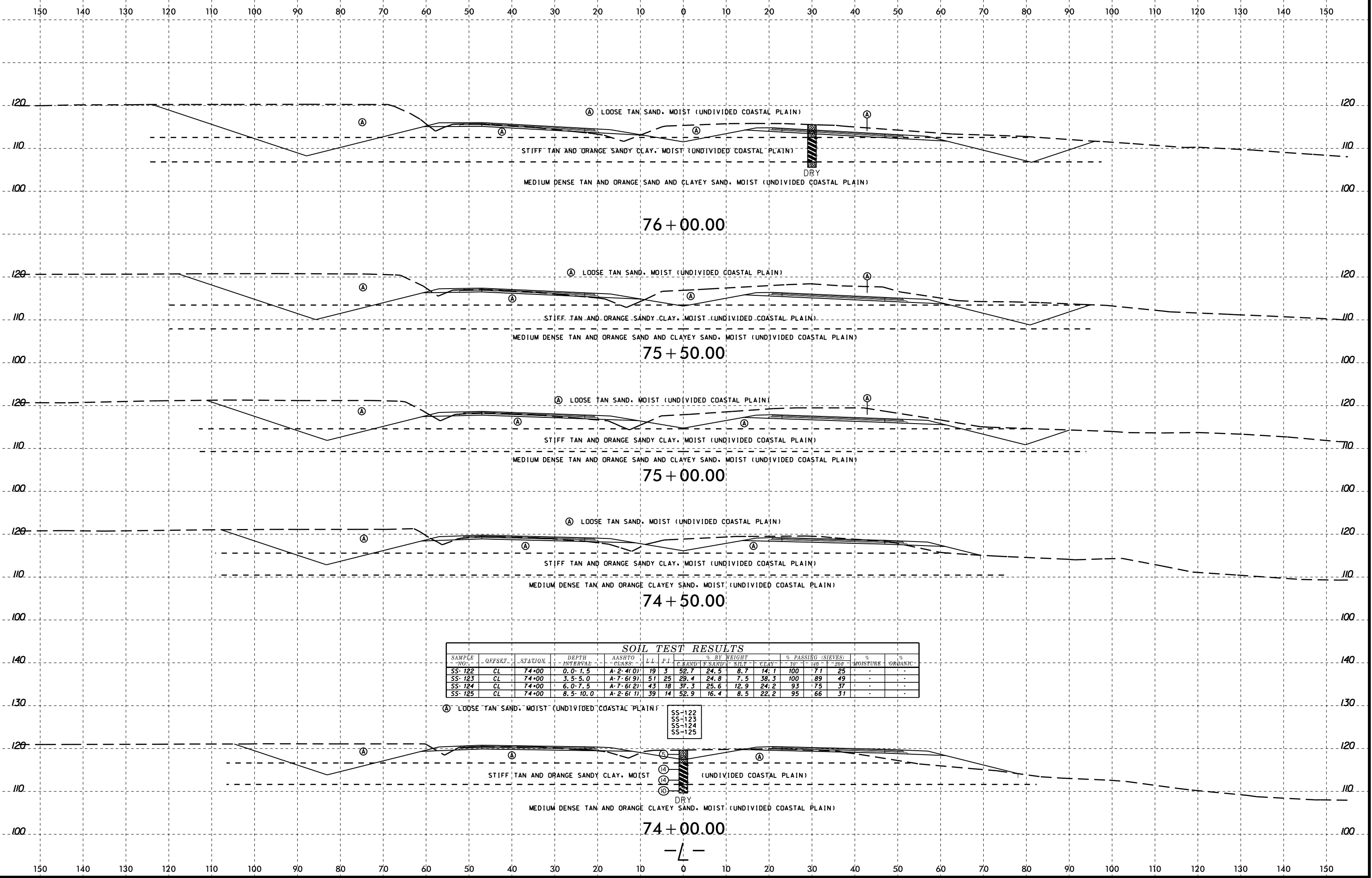
SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	ASHFTO CLASS	L.L.	P.L.	% BY WEIGHT				% PASSING SIEVES			MOISTURE	ORGANIC
							C SAND	F SAND	SILT	CLAY	10	40	200		
SS-20A	CL	68+00	1.0-2.5	A-7-6(75)	49	27	19.4	19.4	18.7	42.5	100	91	64	-	-
SS-21A	CL	68+00	3.5-5.0	A-7-6(75)	46	24	10.7	24.3	12.4	52.6	100	96	69	-	-





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		
S-48	CL	70+00	0.0-2.0	A-2(4)01	14	NP	58.3	26.2	6.4	9.1	100	72	17	-	-
S-49	CL	70+00	2.0-6.0	A-6(9)	40	21	23.7	22.5	11.2	42.6	99	88	56	34.0	-

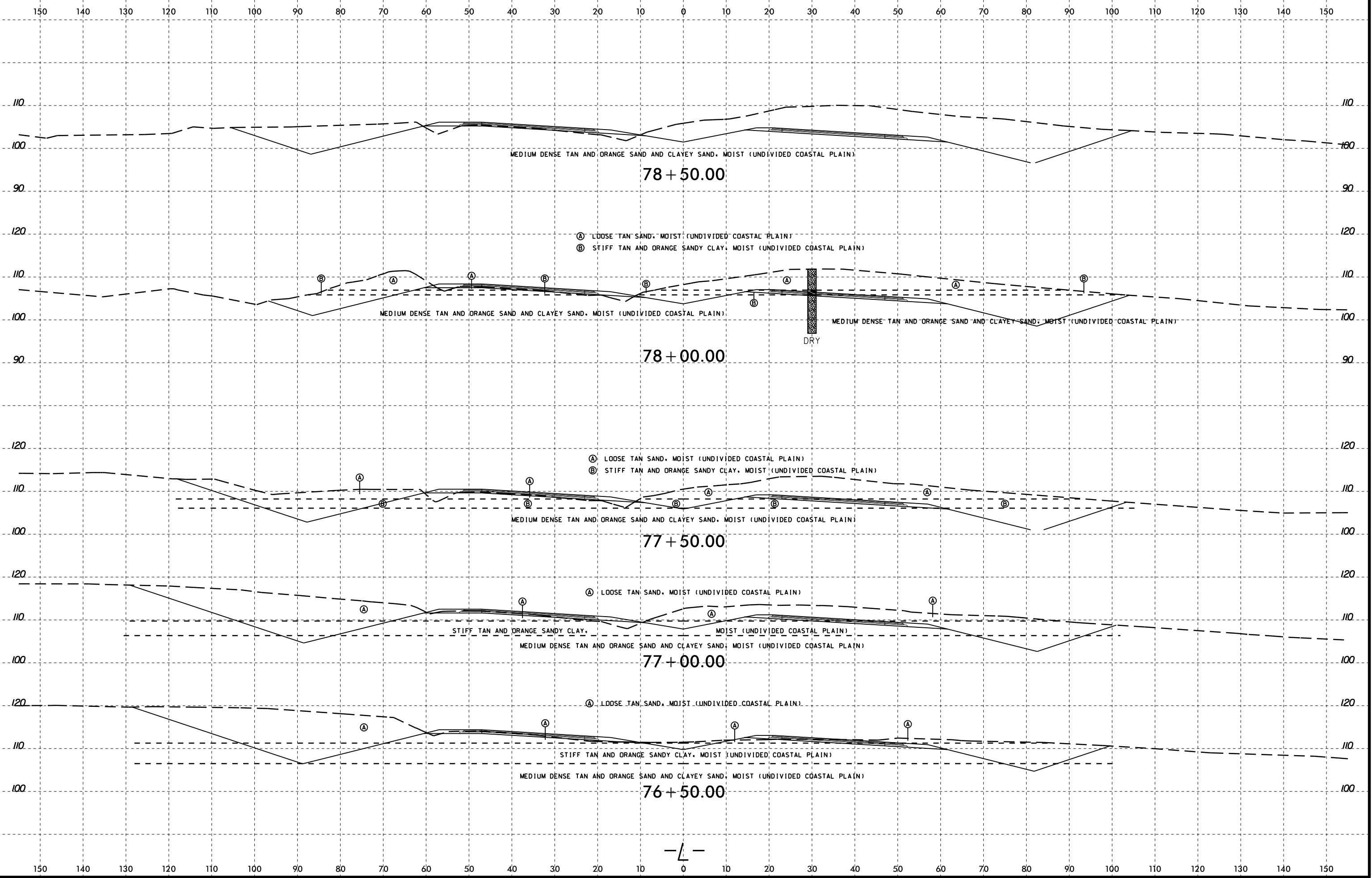
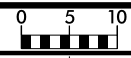
- (A) LOOSE TO MEDIUM DENSE TAN SAND, MOIST TO SATURATED (UNDIVIDED COASTAL PLAIN)
- (B) MEDIUM DENSE TAN SAND, MOIST TO SATURATED (UNDIVIDED COASTAL PLAIN)
- (C) MEDIUM DENSE GRAY SAND, MOIST (ROADWAY EMBANKMENT)



SOIL TEST RESULTS

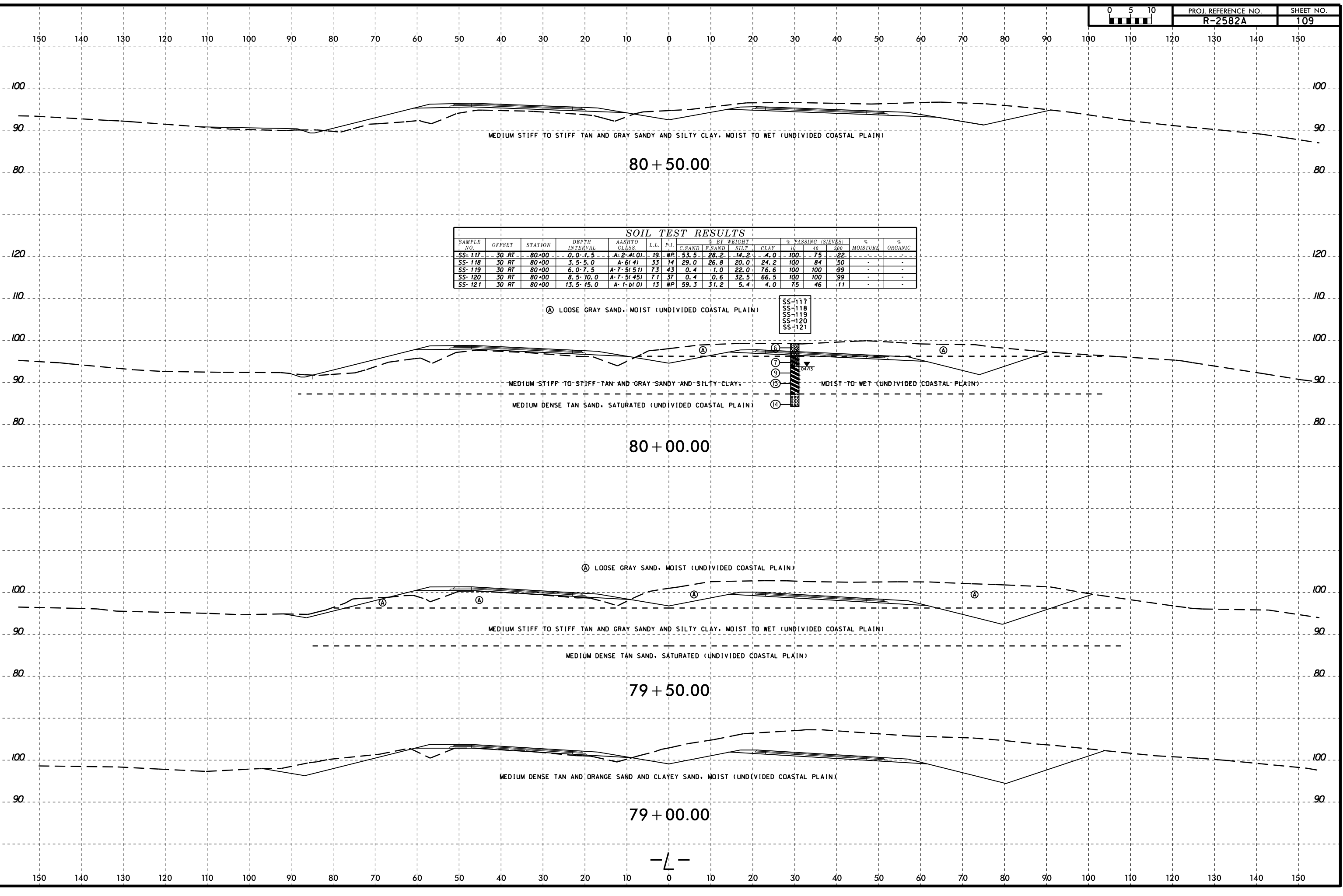
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							C SAND	F SAND	SILT	CLAY	#10	#40	#200		
SS-122	CL	74+00	0.0-1.5	A-2-4(0)	19	3	52.7	24.5	8.7	14.1	100	71	25	-	-
SS-123	CL	74+00	3.5-5.0	A-7-6(9)	51	25	29.4	24.8	7.5	38.3	100	89	49	-	-
SS-124	CL	74+00	6.0-7.5	A-7-6(2)	43	18	37.3	25.6	12.9	24.2	93	75	37	-	-
SS-125	CL	74+00	8.5-10.0	A-2-6(1)	39	14	52.9	16.4	8.5	22.2	95	66	31	-	-

8/23/99



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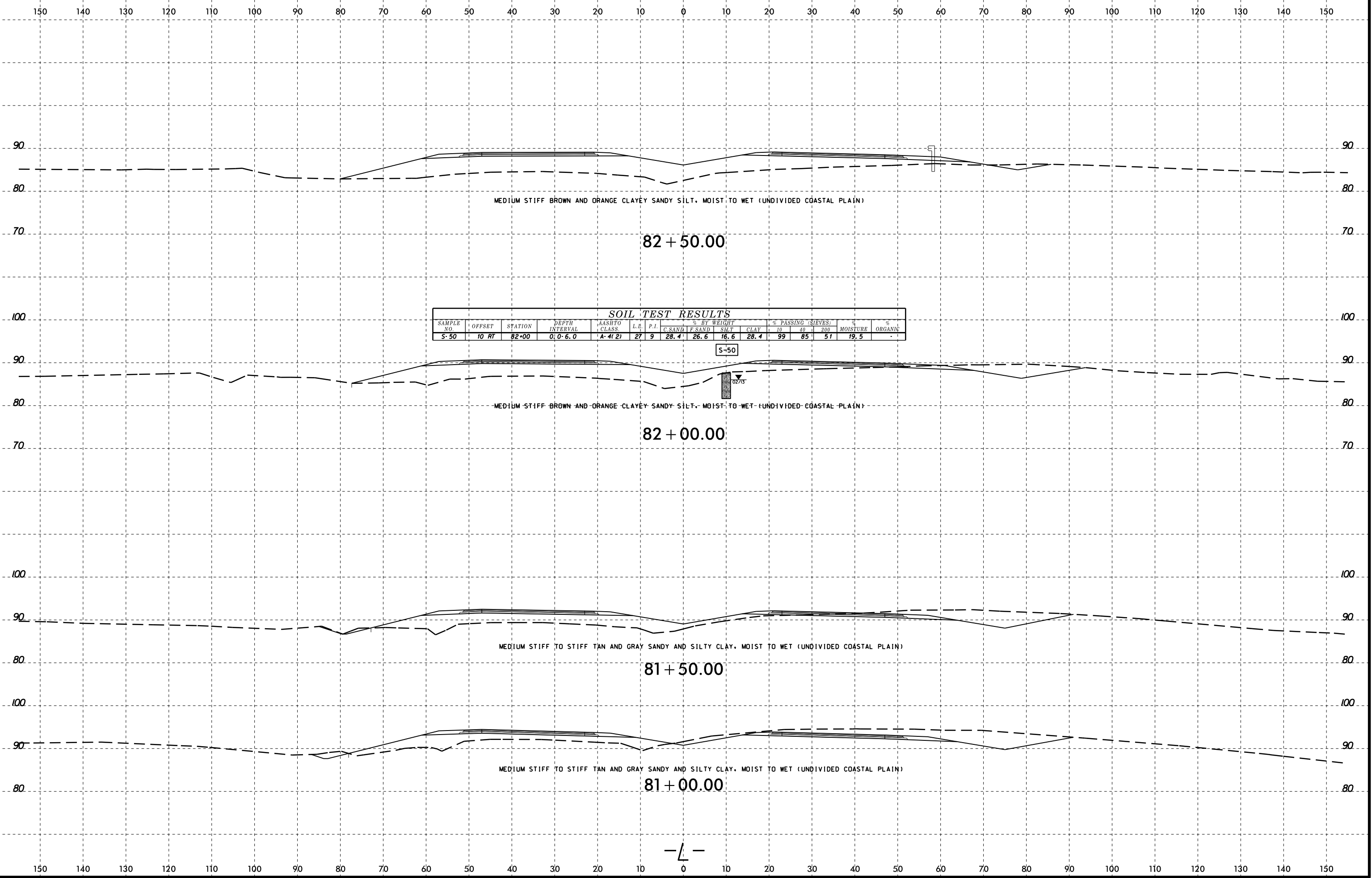
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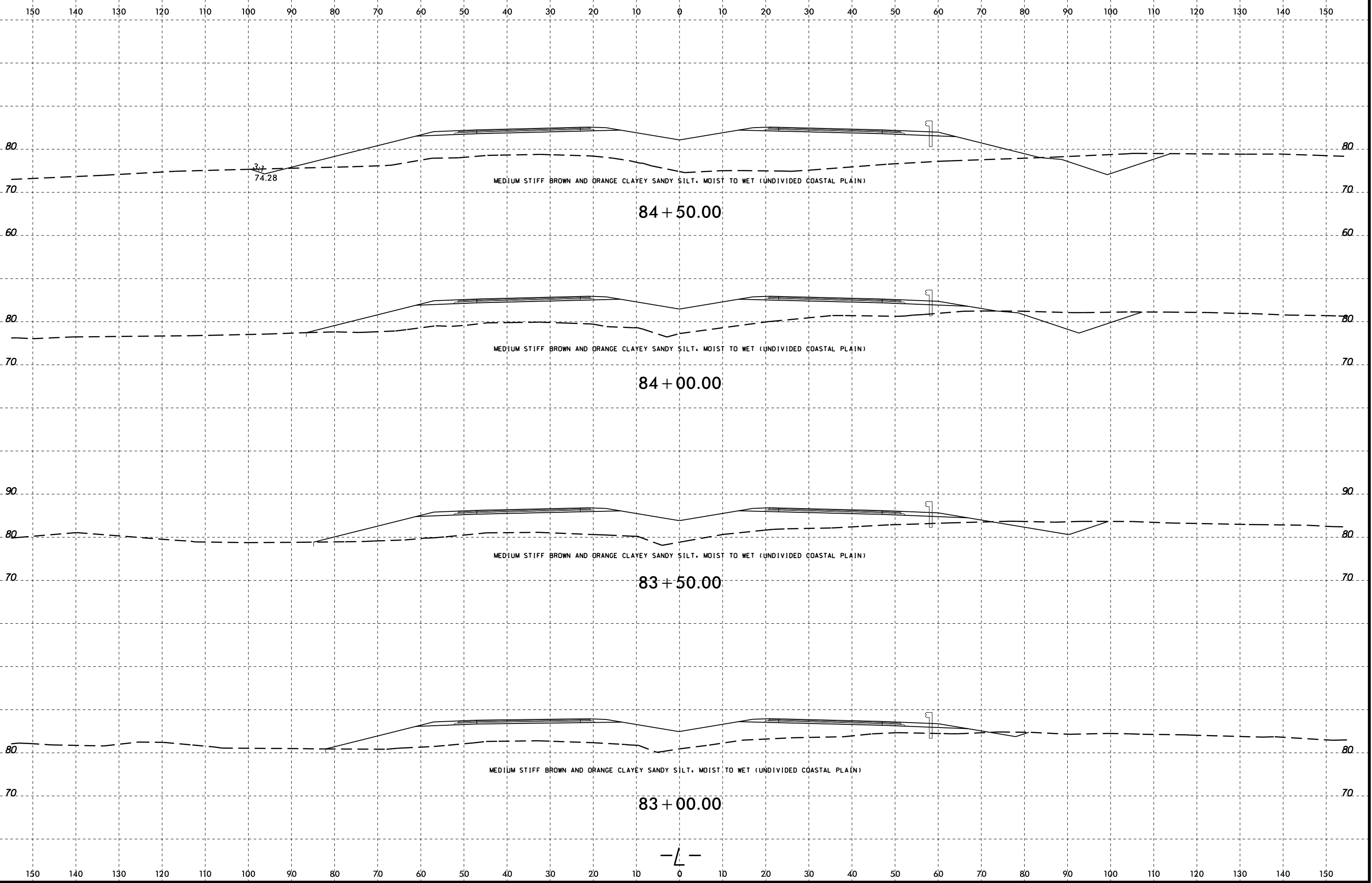
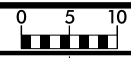


SOIL TEST RESULTS

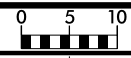
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							C. SAND	F. SAND	SILT	CLAY	10	40			200
SS-117	30 RT	80+00	0.0-1.5	A-2-4(0)	19	NP	53.5	28.2	14.2	4.0	100	75	22	-	-
SS-118	30 RT	80+00	3.5-5.0	A-6(4)	33	14	29.0	26.8	20.0	24.2	100	84	50	-	-
SS-119	30 RT	80+00	6.0-7.5	A-7-5(1)	73	43	0.4	1.0	22.0	76.6	100	100	99	-	-
SS-120	30 RT	80+00	8.5-10.0	A-7-5(45)	71	37	0.4	0.6	32.5	66.5	100	100	99	-	-
SS-121	30 RT	80+00	13.5-15.0	A-1-b(0)	13	NP	59.3	31.2	5.4	4.0	75	46	11	-	-

SS-117
SS-118
SS-119
SS-120
SS-121

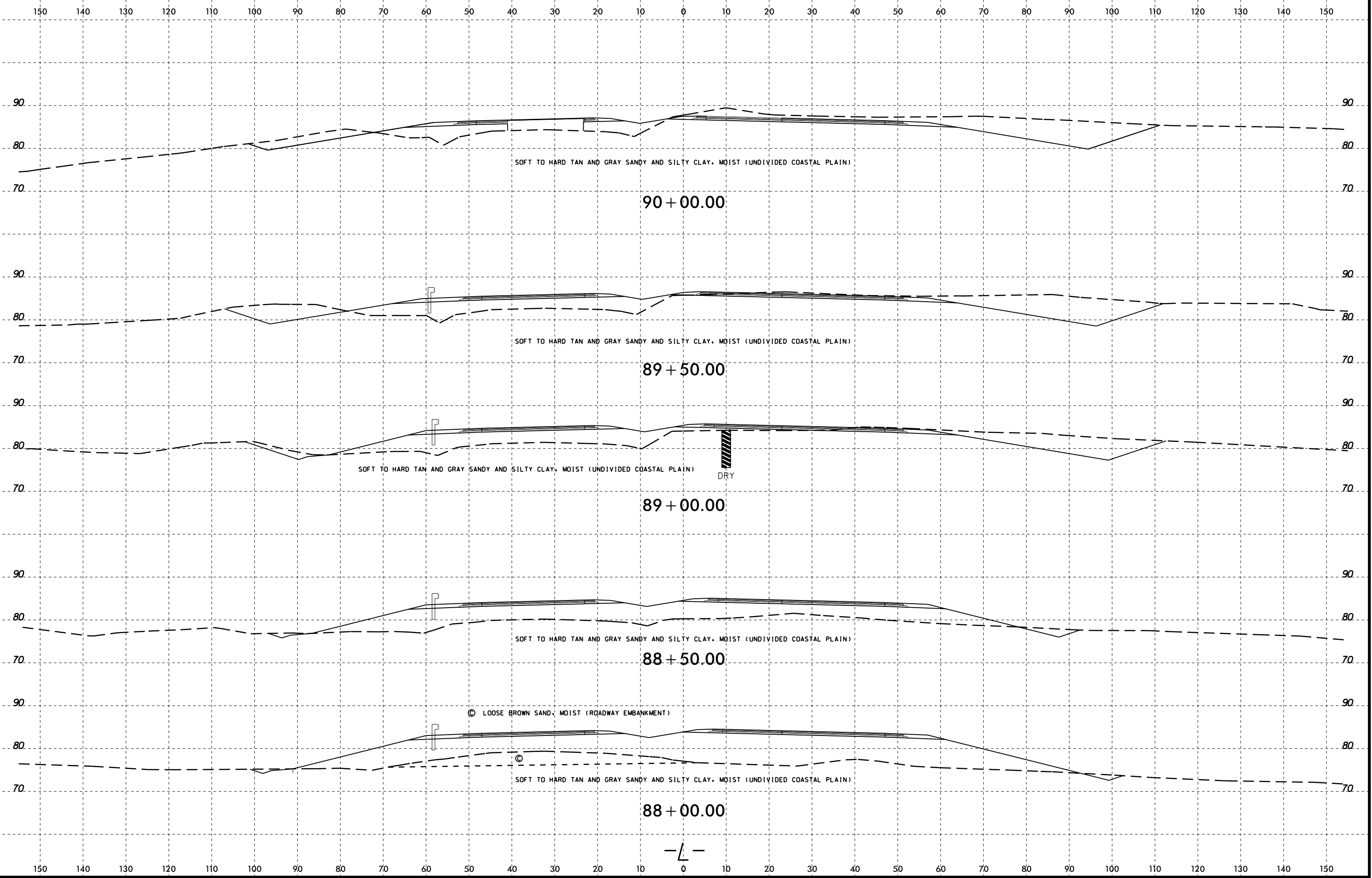




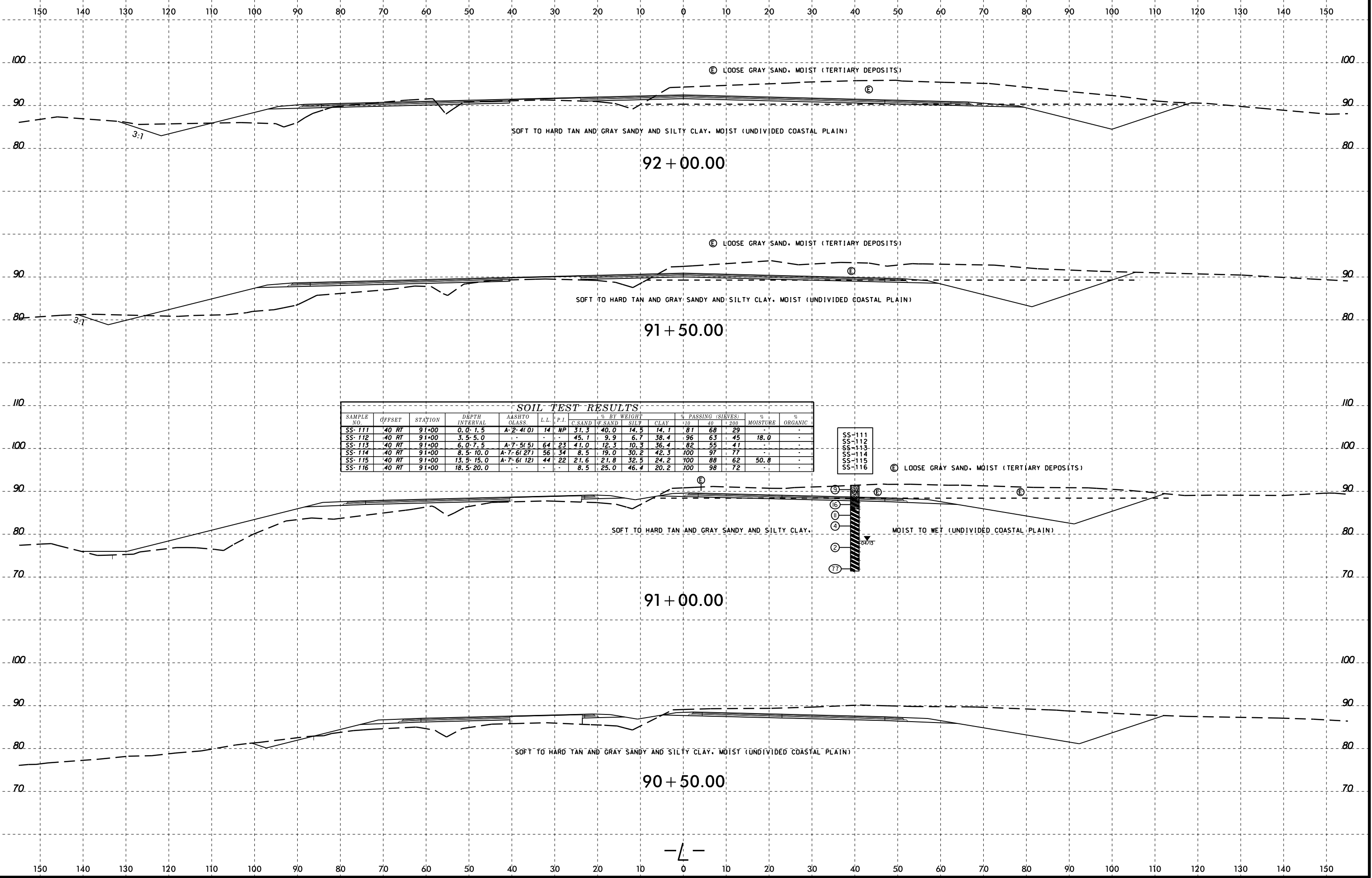
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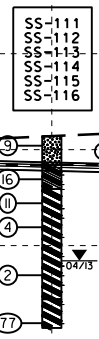
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R-2582A	112



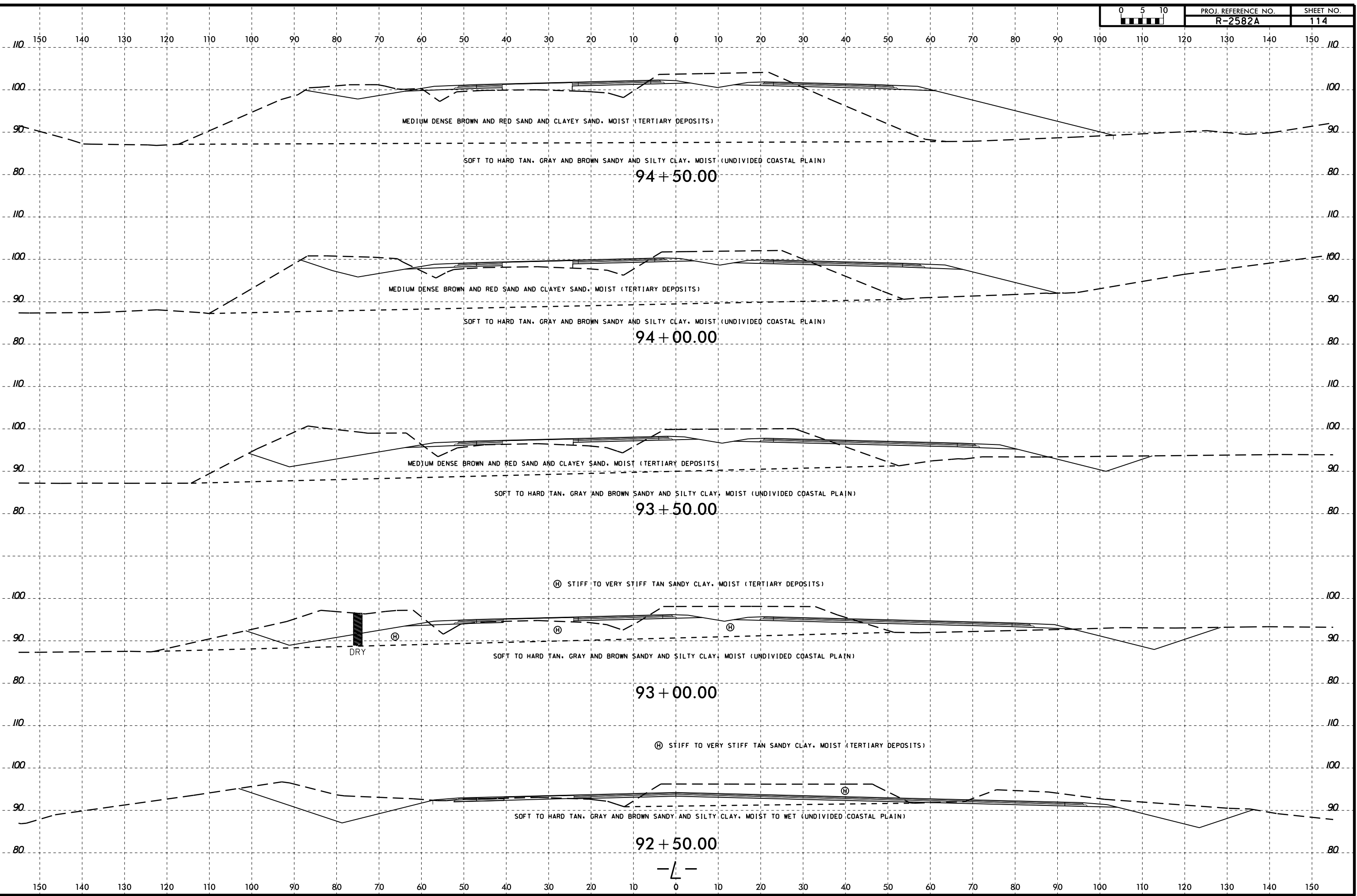
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SOIL TEST RESULTS														
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)		% MOISTURE	% ORGANIC
							C SAND	F SAND	SILT	CLAY	#10	#40		
SS-111	40 RT	91+00	0.0-1.5	A-2-4(0)	14	NP	31.3	40.0	14.5	14.1	81	29	-	-
SS-112	40 RT	91+00	3.5-5.0	-	-	-	45.1	9.9	6.7	38.4	96	63	45	18.0
SS-113	40 RT	91+00	6.0-7.5	A-7-5(5)	64	23	41.0	12.3	10.3	36.4	82	55	41	-
SS-114	40 RT	91+00	8.5-10.0	A-7-6(27)	56	34	8.5	19.0	30.2	42.3	100	97	77	-
SS-115	40 RT	91+00	13.5-15.0	A-7-6(12)	44	22	21.6	21.8	32.5	24.2	100	88	62	50.8
SS-116	40 RT	91+00	18.5-20.0	-	-	-	8.5	25.0	46.4	20.2	100	98	72	-

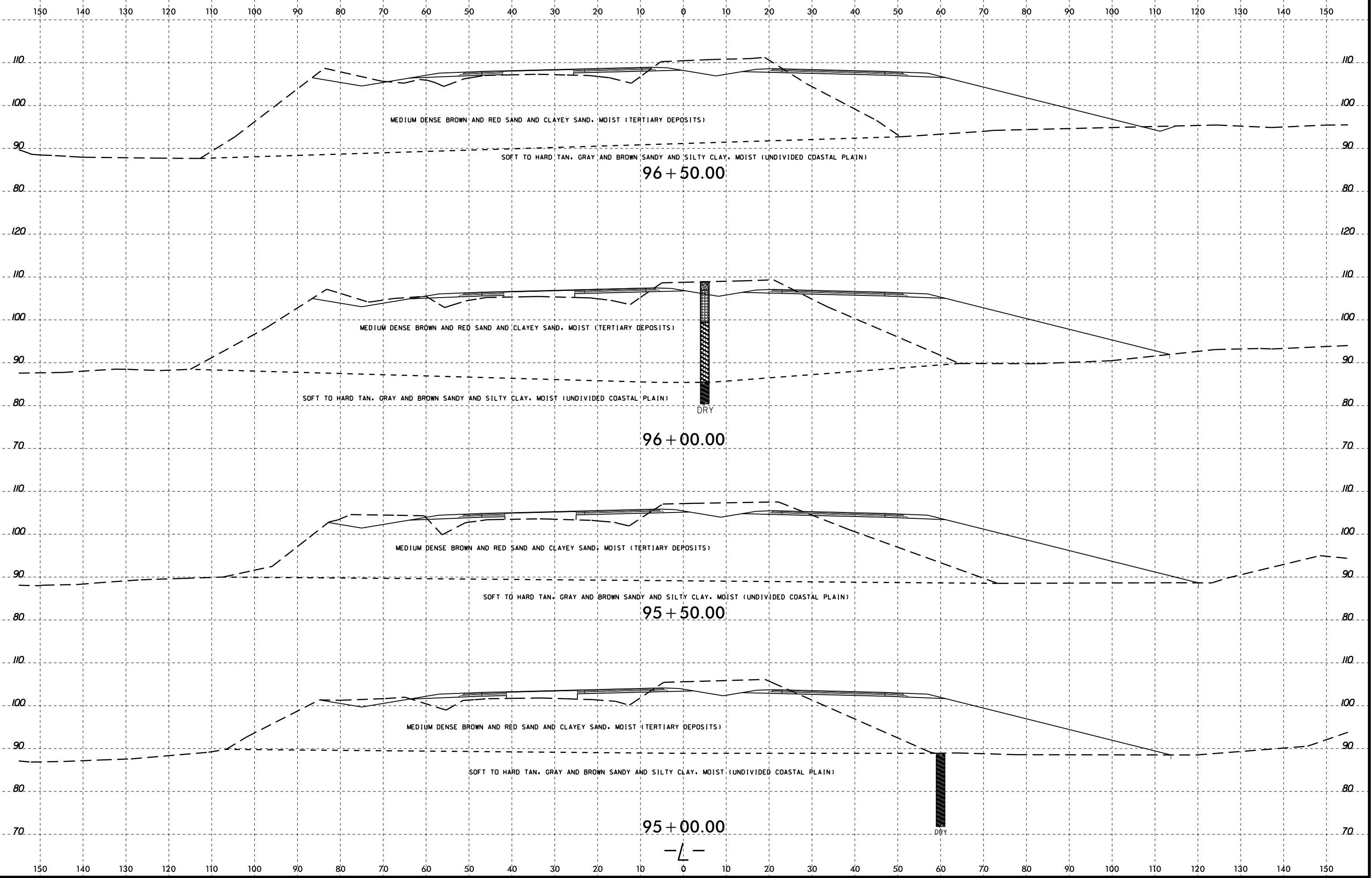
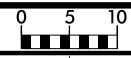


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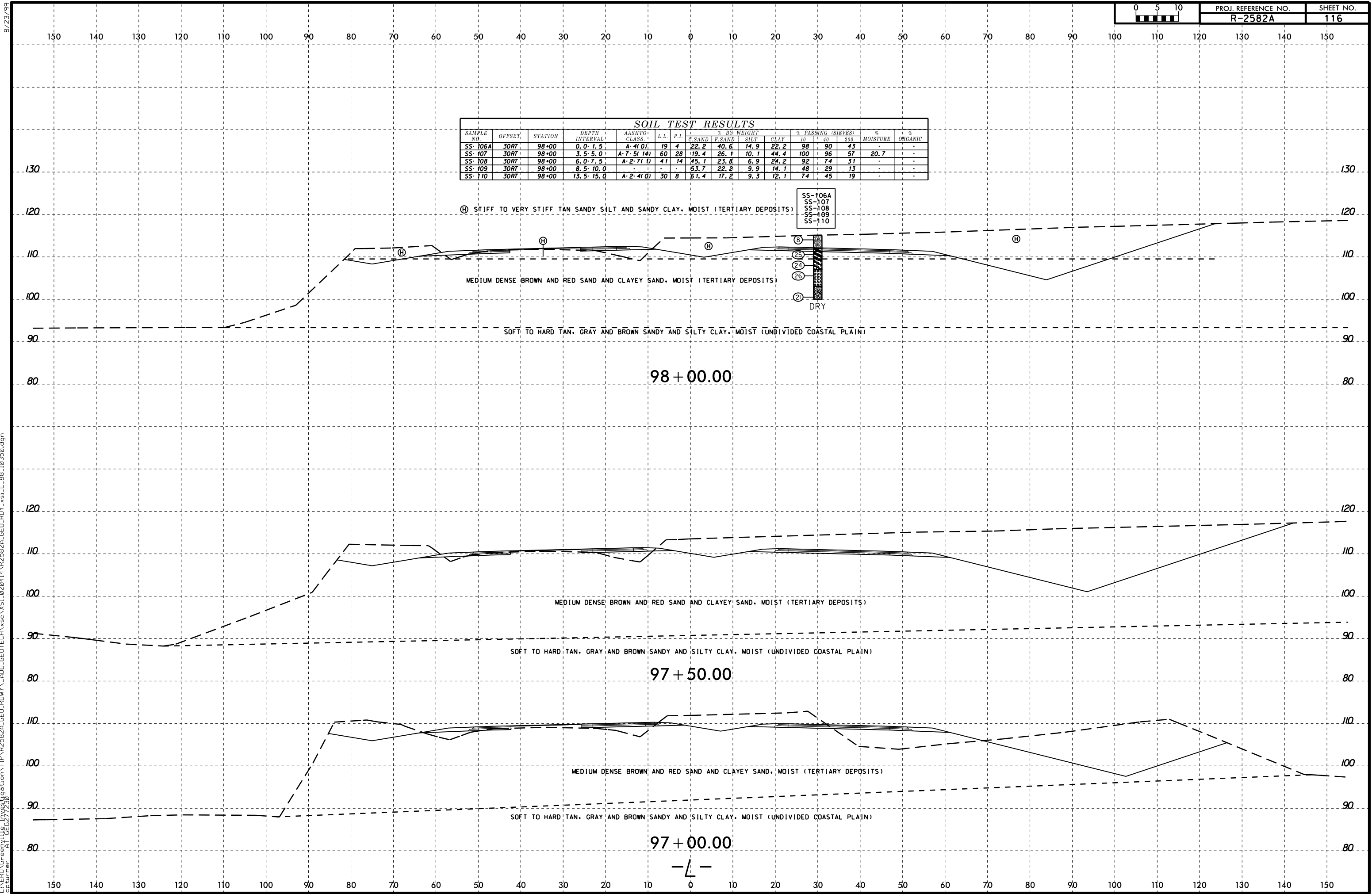
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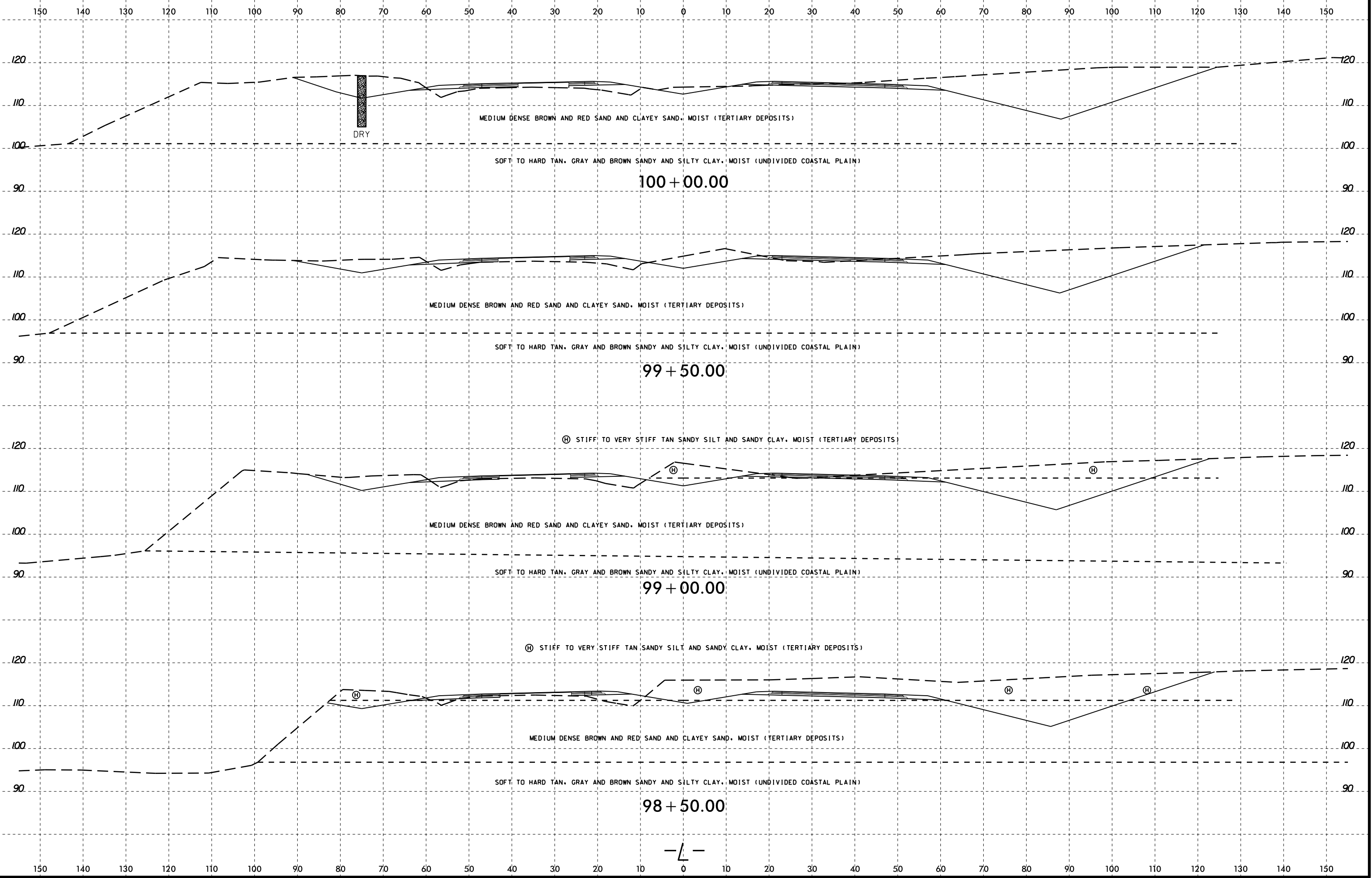


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 G. Turner

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	10	40	200			
SS-106A	30RT	98+00	0.0-1.5	A-4(0)	19	4	22.2	40.6	14.9	22.2	98	90	43	-	-
SS-107	30RT	98+00	3.5-5.0	A-7-5(14)	60	28	19.4	26.7	10.1	44.4	100	96	57	20.7	-
SS-108	30RT	98+00	6.0-7.5	A-2-7(1)	41	14	45.1	23.8	6.9	24.2	92	74	31	-	-
SS-109	30RT	98+00	8.5-10.0	-	-	-	53.7	22.2	9.9	14.1	48	29	13	-	-
SS-110	30RT	98+00	13.5-15.0	A-2-4(0)	30	8	61.4	17.2	9.3	12.1	74	45	19	-	-

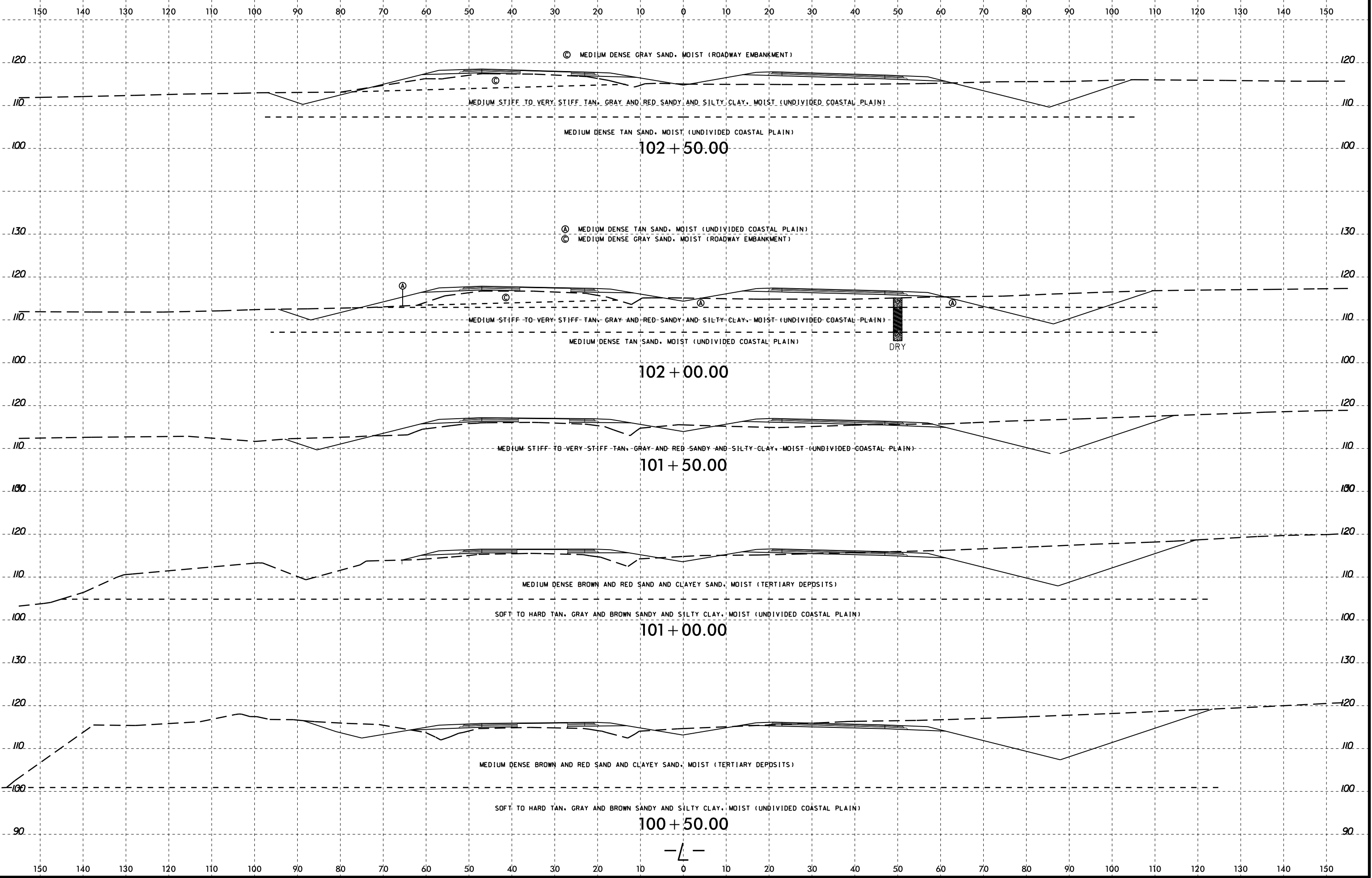


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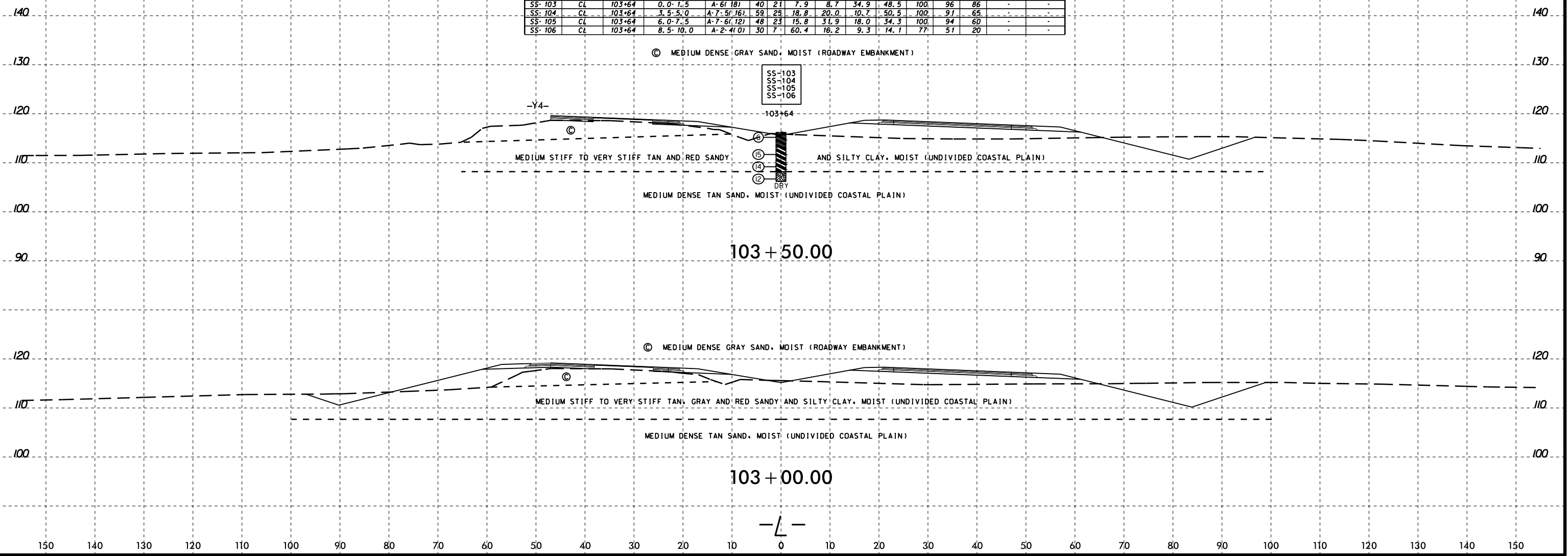


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SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT			% PASSING (SIEVES)			% MOISTURE	% ORGANIC	
							C. SAND	F. SAND	SILT	CLAY	10	40			200
SS-103	CL	103+64	0.0-1.5	A-6(18)	40	21	7.9	8.7	34.9	48.5	100	96	86	-	-
SS-104	CL	103+64	3.5-5.0	A-7-5(16)	59	25	18.8	20.0	10.7	50.5	100	91	65	-	-
SS-105	CL	103+64	6.0-7.5	A-7-6(12)	48	23	15.8	31.9	18.0	34.3	100	94	60	-	-
SS-106	CL	103+64	8.5-10.0	A-2-4(0)	30	7	60.4	16.2	9.3	14.1	77	51	20	-	-

© MEDIUM DENSE GRAY SAND, MOIST (ROADWAY EMBANKMENT)

SS-103
SS-104
SS-105
SS-106



© MEDIUM DENSE GRAY SAND, MOIST (ROADWAY EMBANKMENT)

MEDIUM STIFF TO VERY STIFF TAN, GRAY AND RED SANDY AND SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

MEDIUM DENSE TAN SAND, MOIST (UNDIVIDED COASTAL PLAIN)

103 + 50.00

103 + 00.00

-L-

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L.L.	P.I.	% BY WEIGHT			% PASSING (SIEVES)			MOISTURE	ORGANIC	
							FL. SAND	FINE SAND	CLAY	#200	#100	#60			
S-51	60' RT	106+00	0.0-1.8	A-2-4(0)	18	18	56.8	27.3	5.8	10.1	88	59	17		
S-52	60' RT	106+00	3.8-6.0	A-6(7)	37	18	28.6	20.5	16.4	34.5	100	84	55	24.8	

Ⓢ MEDIUM DENSE GRAY SAND, MOIST (ROADWAY EMBANKMENT)

MEDIUM DENSE TAN SAND, MOIST (UNDIVIDED COASTAL PLAIN)

MEDIUM STIFF TO VERY STIFF BROWN SANDY CLAY, WET (UNDIVIDED COASTAL PLAIN)

106 + 00.00

Ⓢ MEDIUM DENSE GRAY SAND, MOIST (ROADWAY EMBANKMENT)

MEDIUM STIFF TO VERY STIFF TAN AND RED SANDY AND SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

105 + 50.00

Ⓢ MEDIUM DENSE GRAY SAND, MOIST (ROADWAY EMBANKMENT)

MEDIUM STIFF TO VERY STIFF TAN AND RED SANDY AND SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

105 + 00.00

Ⓢ MEDIUM DENSE GRAY SAND, MOIST (ROADWAY EMBANKMENT)

MEDIUM STIFF TO VERY STIFF TAN AND RED SANDY AND SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

104 + 50.00

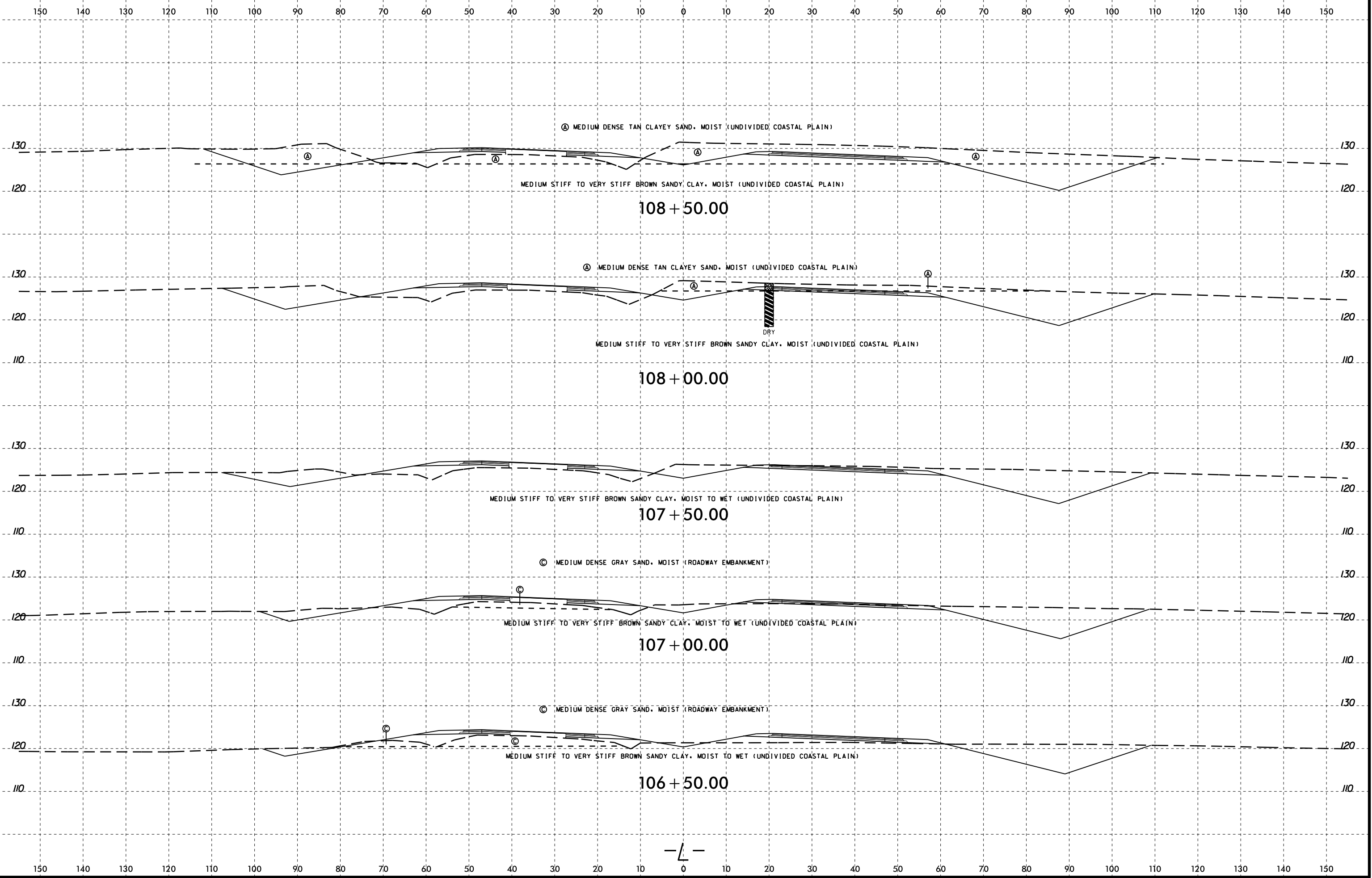
Ⓢ MEDIUM DENSE GRAY SAND, MOIST (ROADWAY EMBANKMENT)

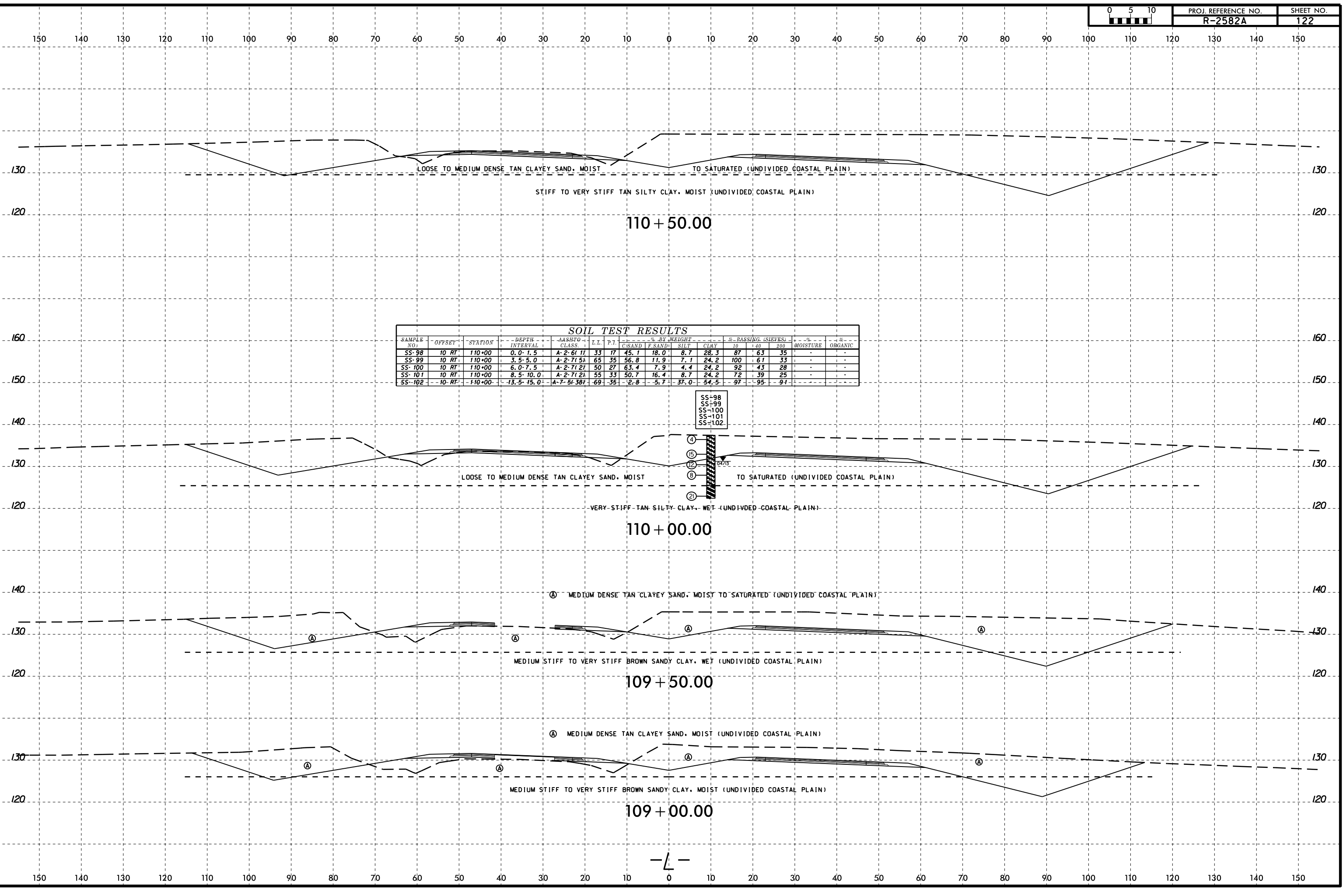
MEDIUM STIFF TO VERY STIFF TAN AND RED SANDY AND SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

104 + 00.00

-L-

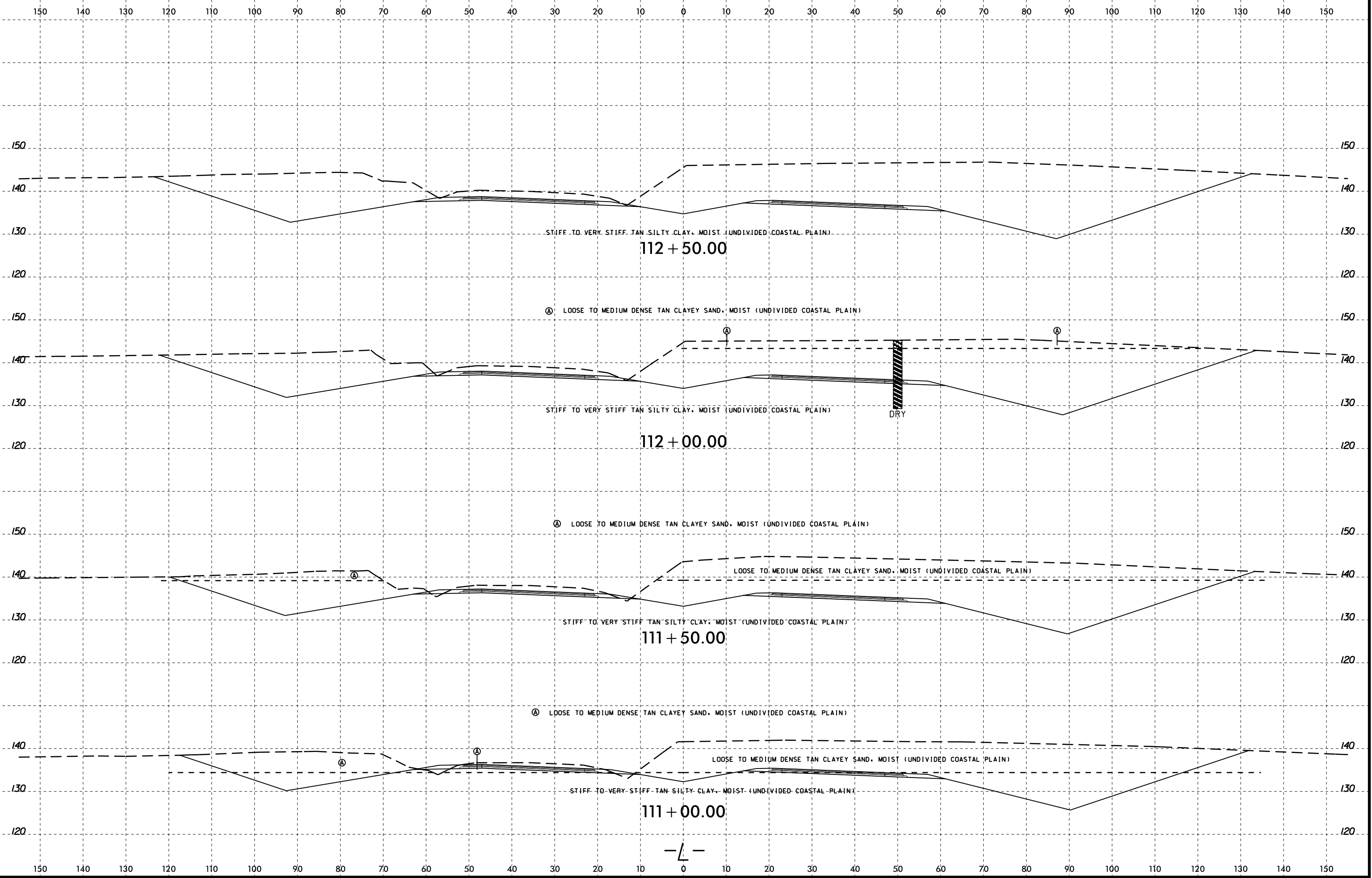
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G. Turner

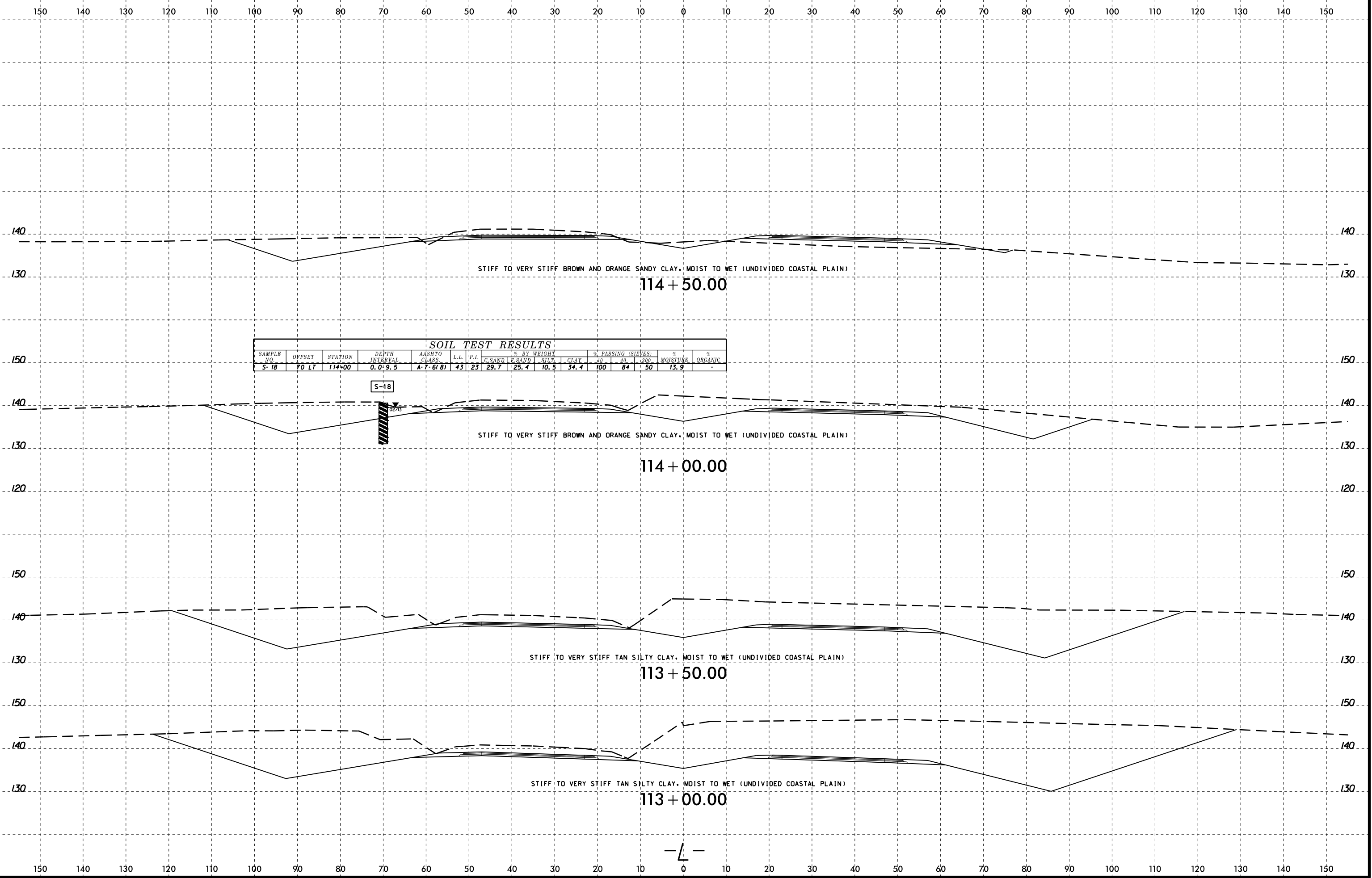
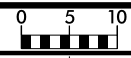




SOIL TEST RESULTS														
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L.L.	P.T.	% BY WEIGHT				% PASSING (SIEVES)		MOISTURE	ORGANIC
							SAND	F SAND	SILT	CLAY	10	200		
SS-98	10 RT	110+00	0.0-1.5	A-2-6(1)	33	17	45.1	18.0	8.7	28.3	87	63	35	-
SS-99	10 RT	110+00	3.5-5.0	A-2-7(1.5)	65	35	56.8	11.9	7.1	24.2	100	61	33	-
SS-100	10 RT	110+00	6.0-7.5	A-2-7(2)	50	27	63.4	7.9	4.4	24.2	92	43	28	-
SS-101	10 RT	110+00	8.5-10.0	A-2-7(2)	55	33	50.7	16.4	8.7	24.2	72	39	25	-
SS-102	-10 RT	110+00	13.5-15.0	A-7-5(38)	69	35	2.8	-5.7	37.0	54.5	97	95	91	-

SS-98
SS-99
SS-100
SS-101
SS-102



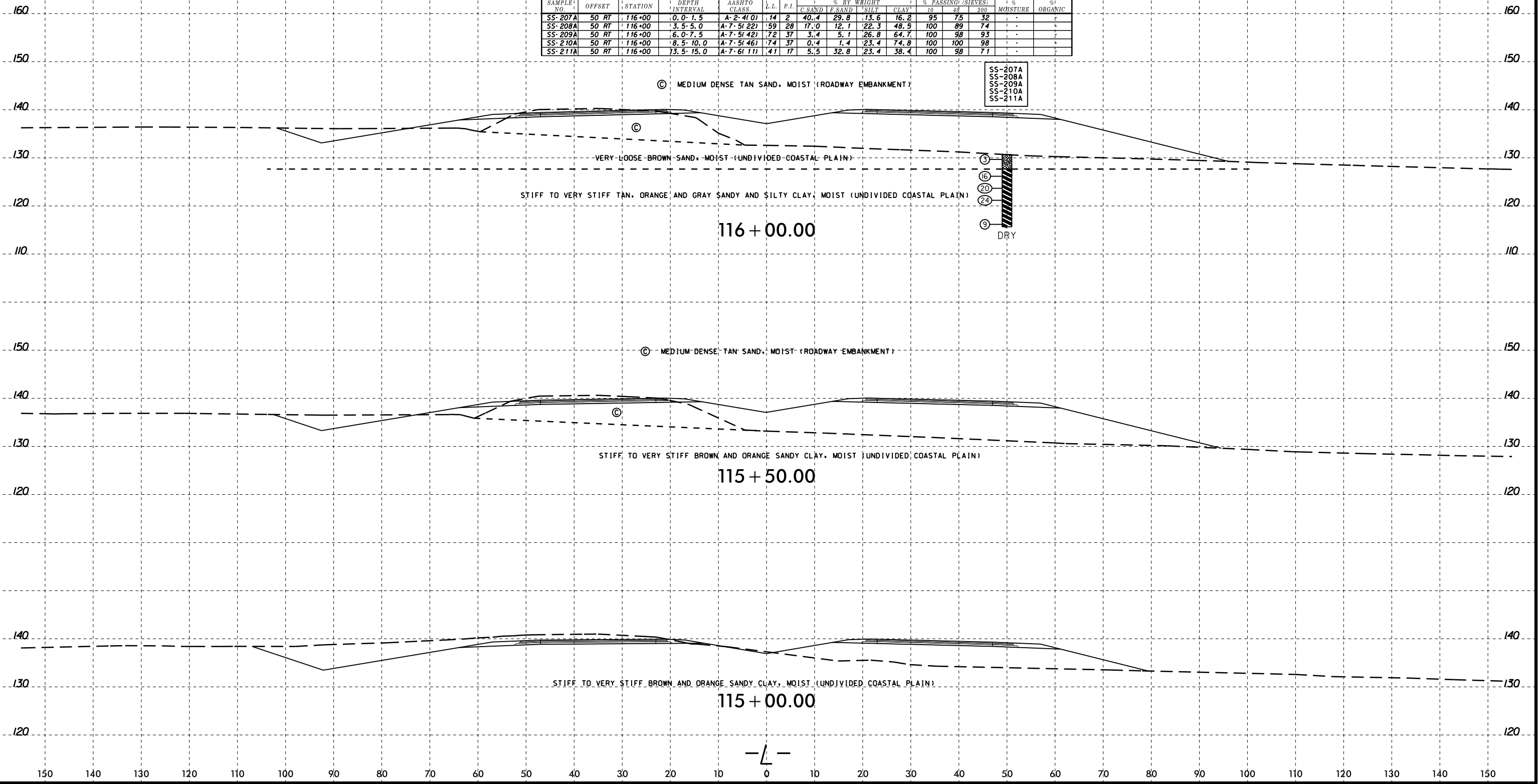


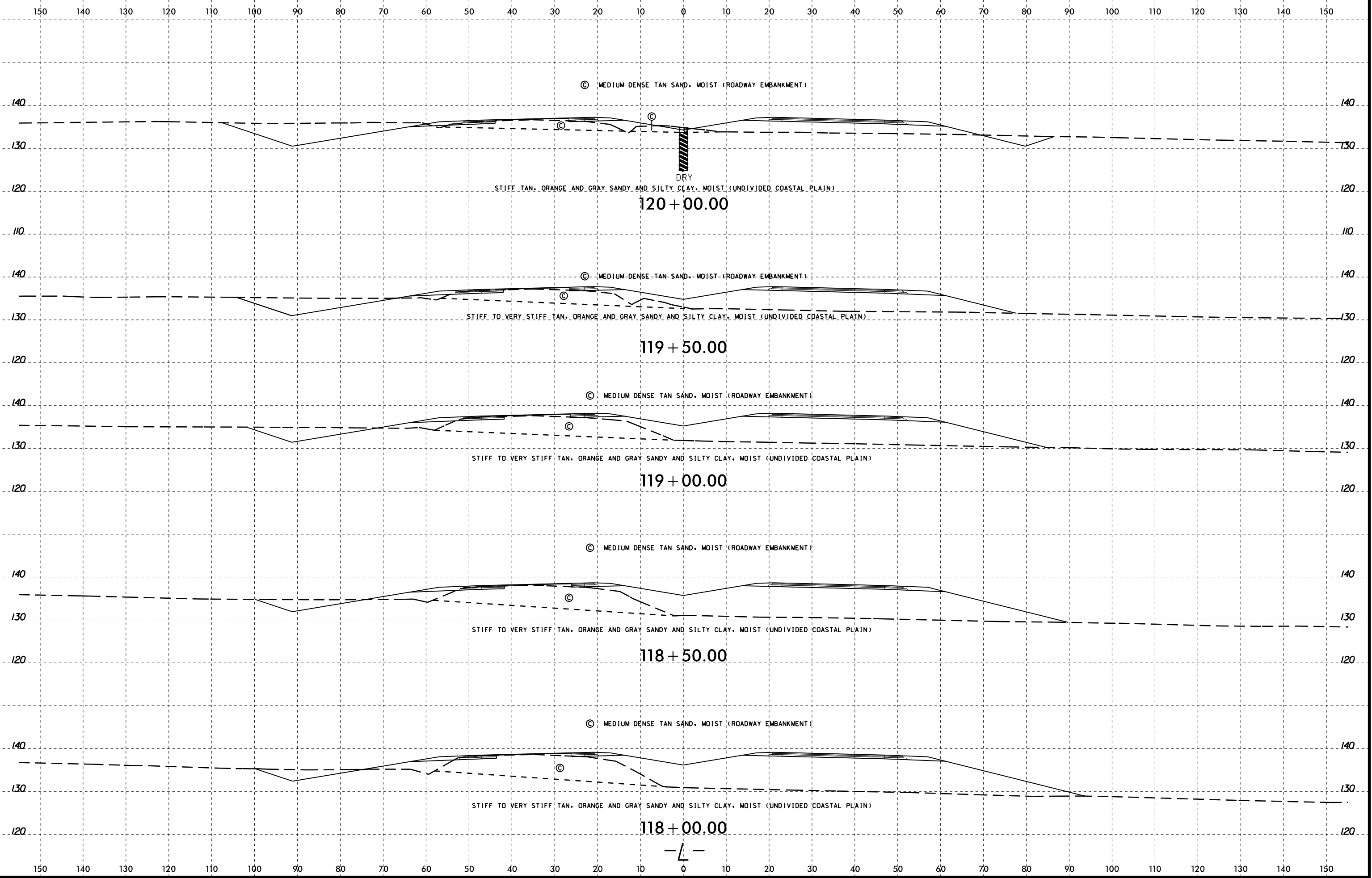
SOIL TEST RESULTS

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			
S-18	70 LT	114+00	0.0' - 9.5'	A-7-6(8)	43	23	29.7	25.4	10.5	34.4	100	84	50	13.9	-

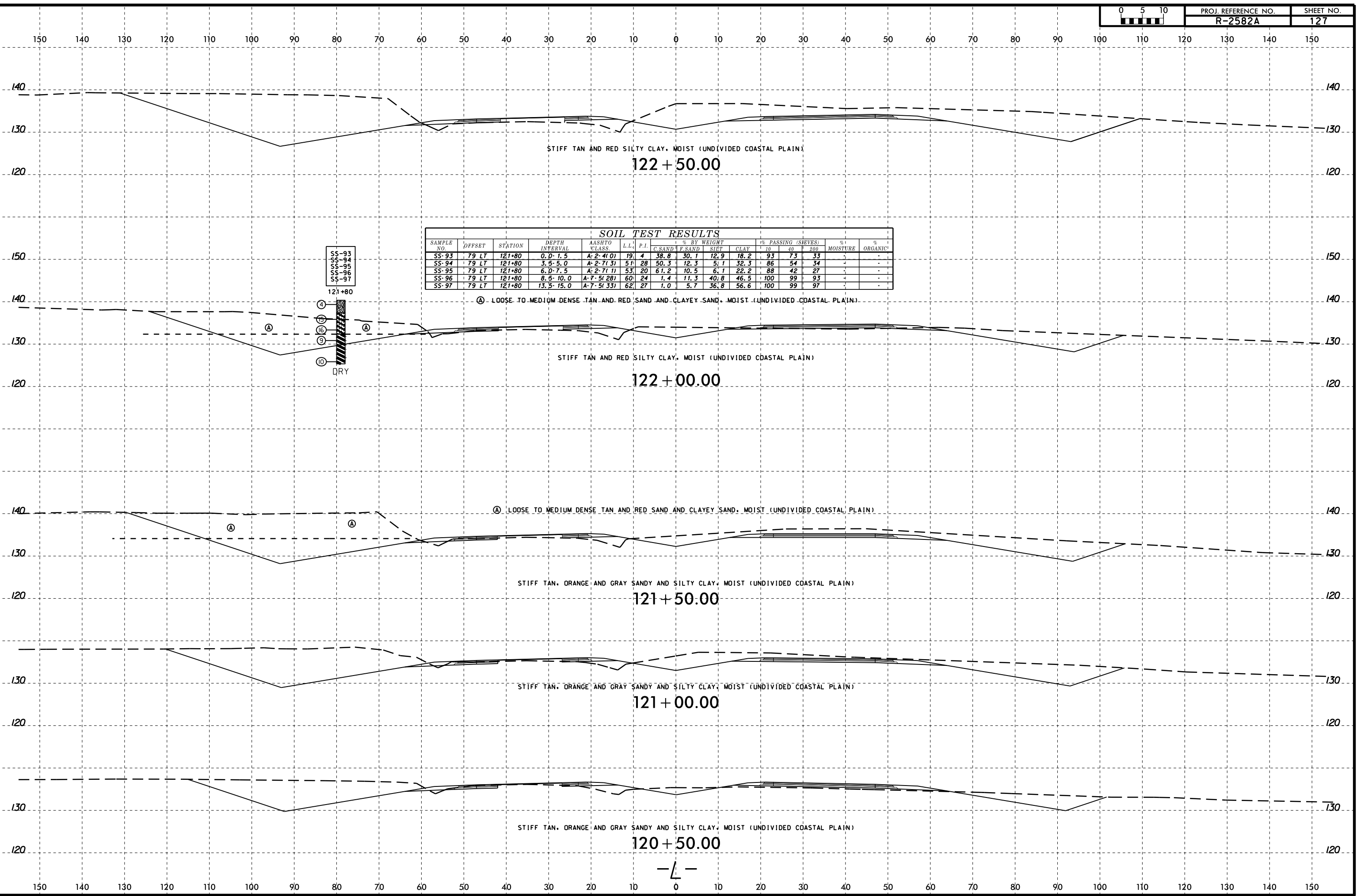
S-18

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-207A	50 RT	116+00	0.0-1.5	A-2-4(0)	14	2	40.4	29.8	13.6	16.2	95	75	32	-	-
SS-208A	50 RT	116+00	3.5-5.0	A-7-5(22)	59	28	17.0	12.1	22.3	48.5	100	89	74	-	-
SS-209A	50 RT	116+00	6.0-7.5	A-7-5(42)	72	37	3.4	5.1	26.8	64.7	100	98	93	-	-
SS-210A	50 RT	116+00	8.5-10.0	A-7-5(46)	74	37	0.4	1.4	23.4	74.8	100	100	98	-	-
SS-211A	50 RT	116+00	13.5-15.0	A-7-6(11)	41	17	5.5	32.8	23.4	38.4	100	98	71	-	-





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At: 06/27/2016
By: GJ





© MEDIUM DENSE TAN SAND, MOIST (ROADWAY EMBANKMENT)

STIFF TAN AND RED SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

125 + 50.00

STIFF TAN AND RED SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

125 + 00.00

STIFF TAN AND RED SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

124 + 50.00

STIFF BROWN AND ORANGE SILTY CLAY, MOIST TO WET (UNDIVIDED COASTAL PLAIN)

124 + 00.00

STIFF TAN AND RED SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

123 + 50.00

STIFF TAN AND RED SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

123 + 00.00

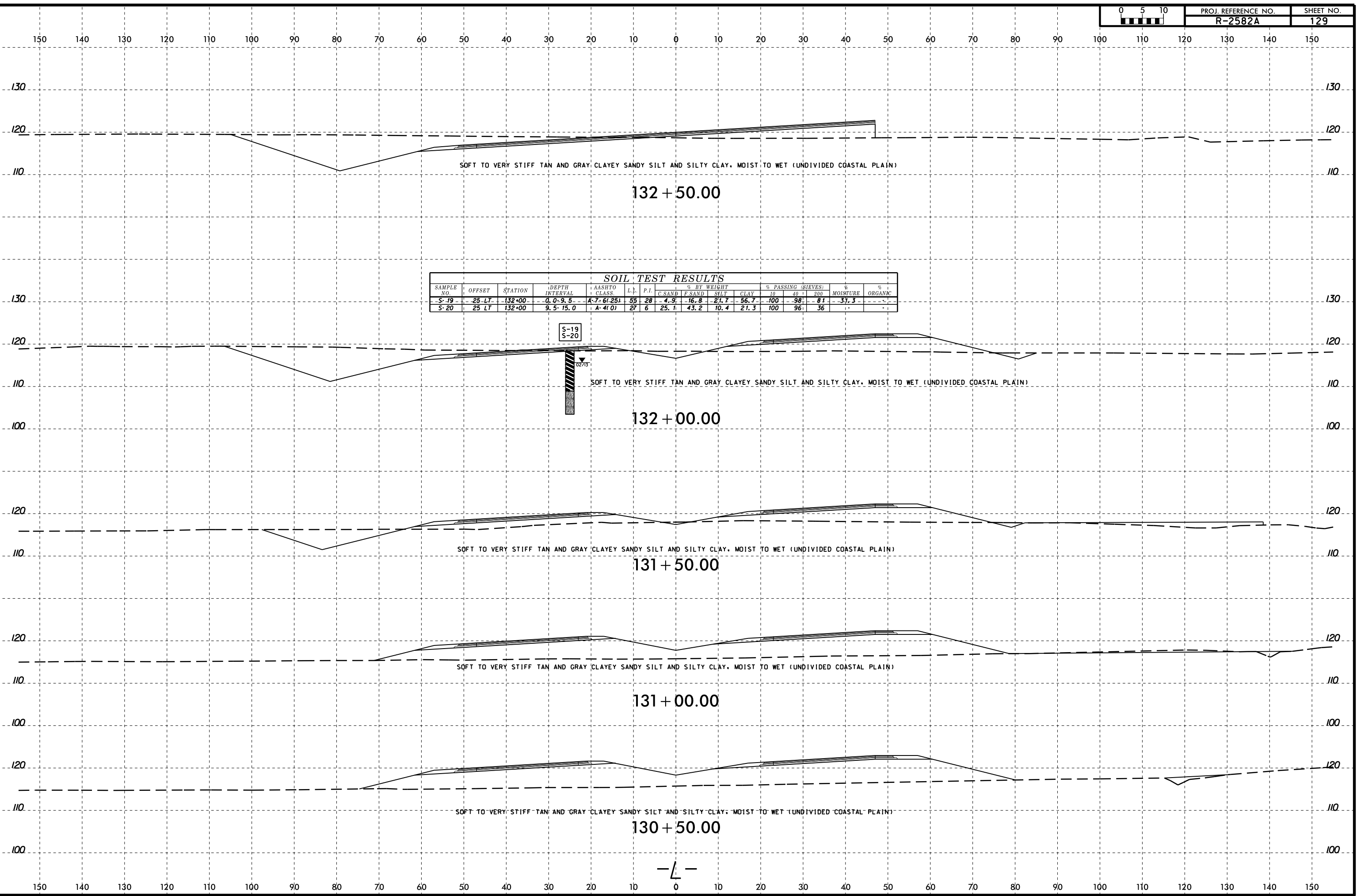
SOIL TEST RESULTS

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		
S-60	70 RF	124+00	0.0-10.0	A-7-5(37)	74	39	8.9	9.3	24.9	56.8	98	92	83	

S-60

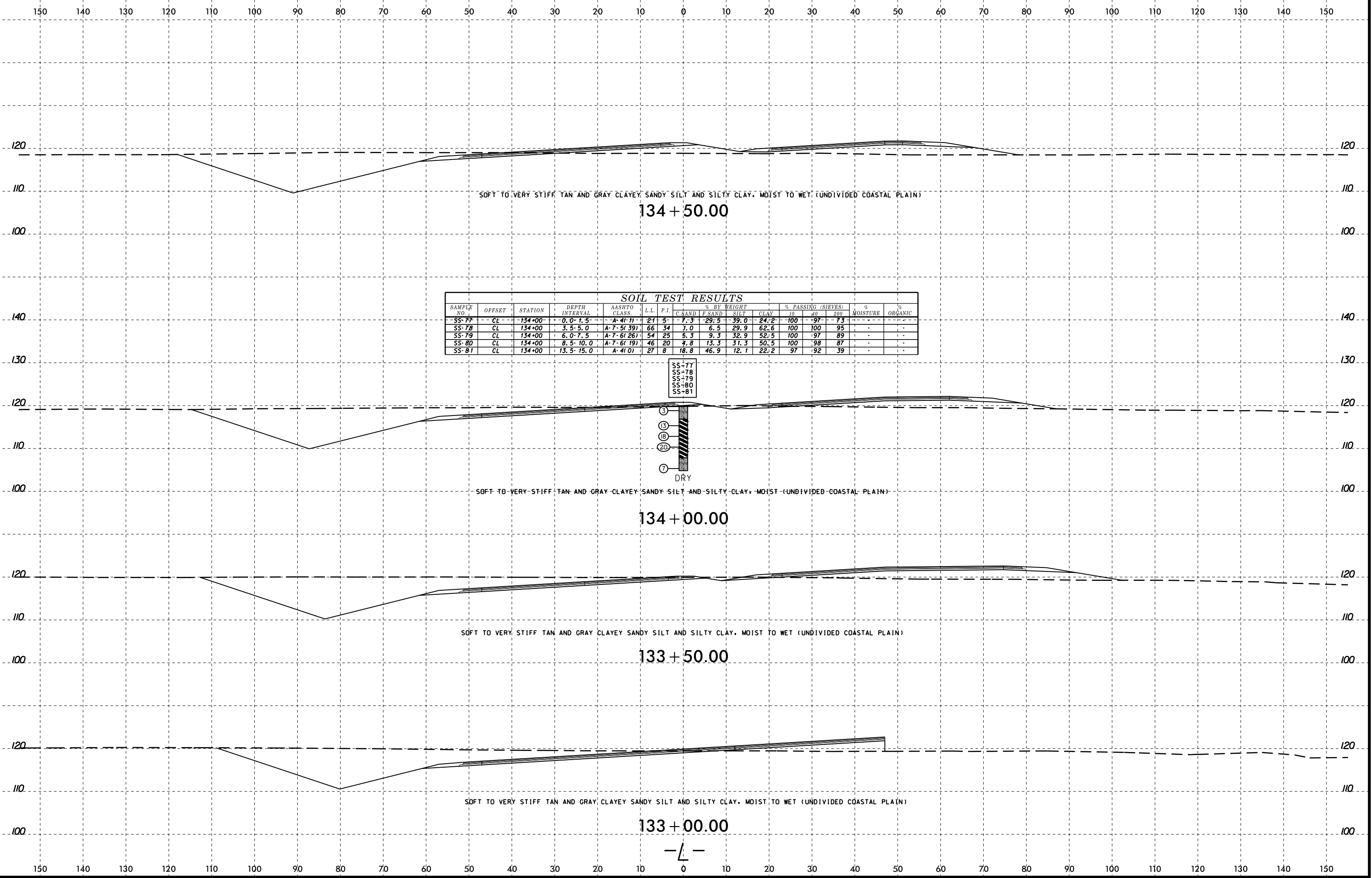


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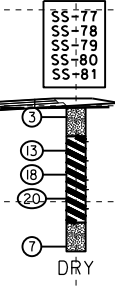
SOIL TEST RESULTS

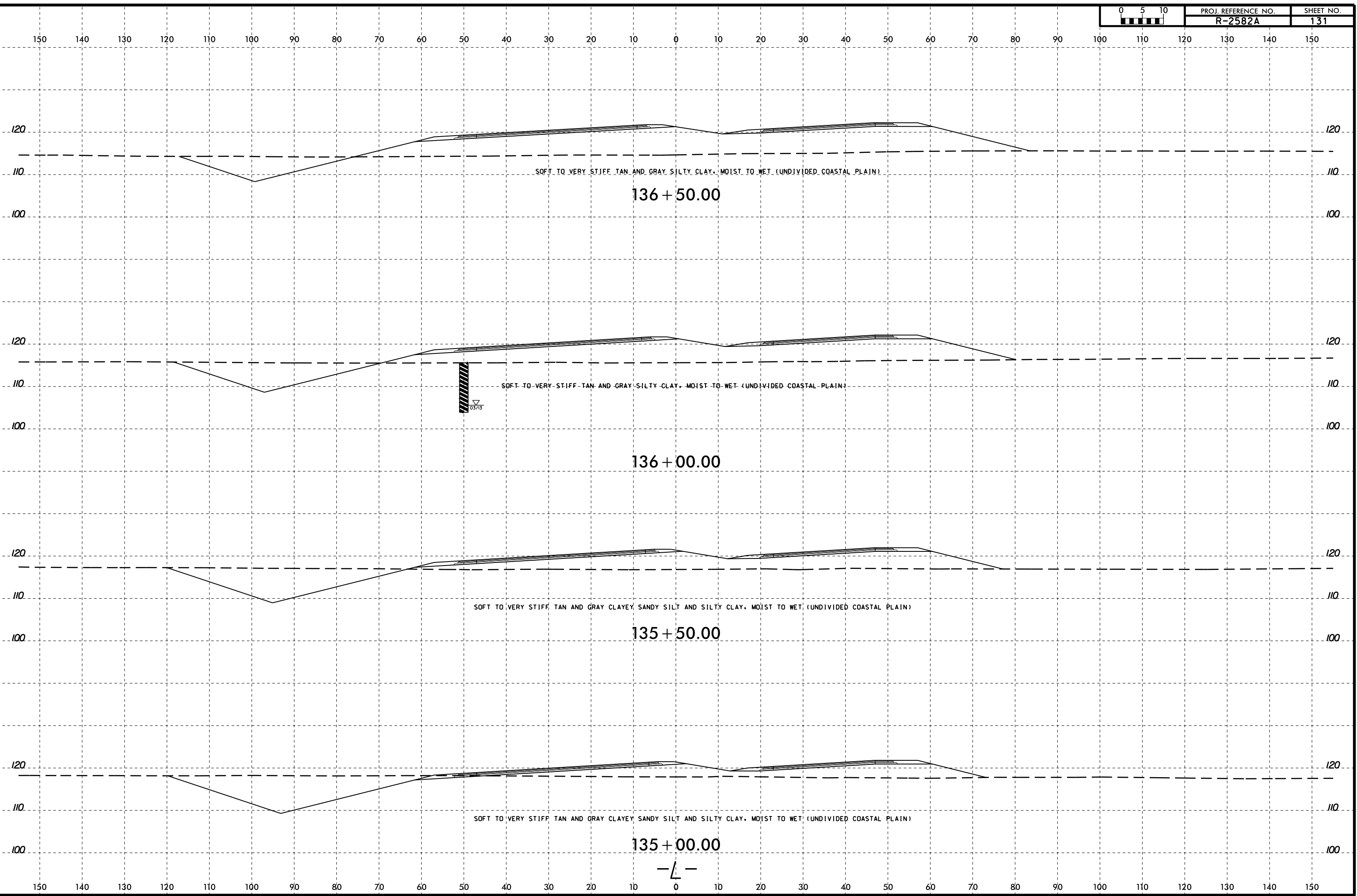
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.P.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
S-19	25 LT	132+00	0.0-9.5	A-7-6(25)	55	28	4.9	16.8	21.7	56.7	100	98	81	37.3	
S-20	25 LT	132+00	9.5-15.0	A-4(0)	27	6	25.1	43.2	10.4	21.3	100	96	36		

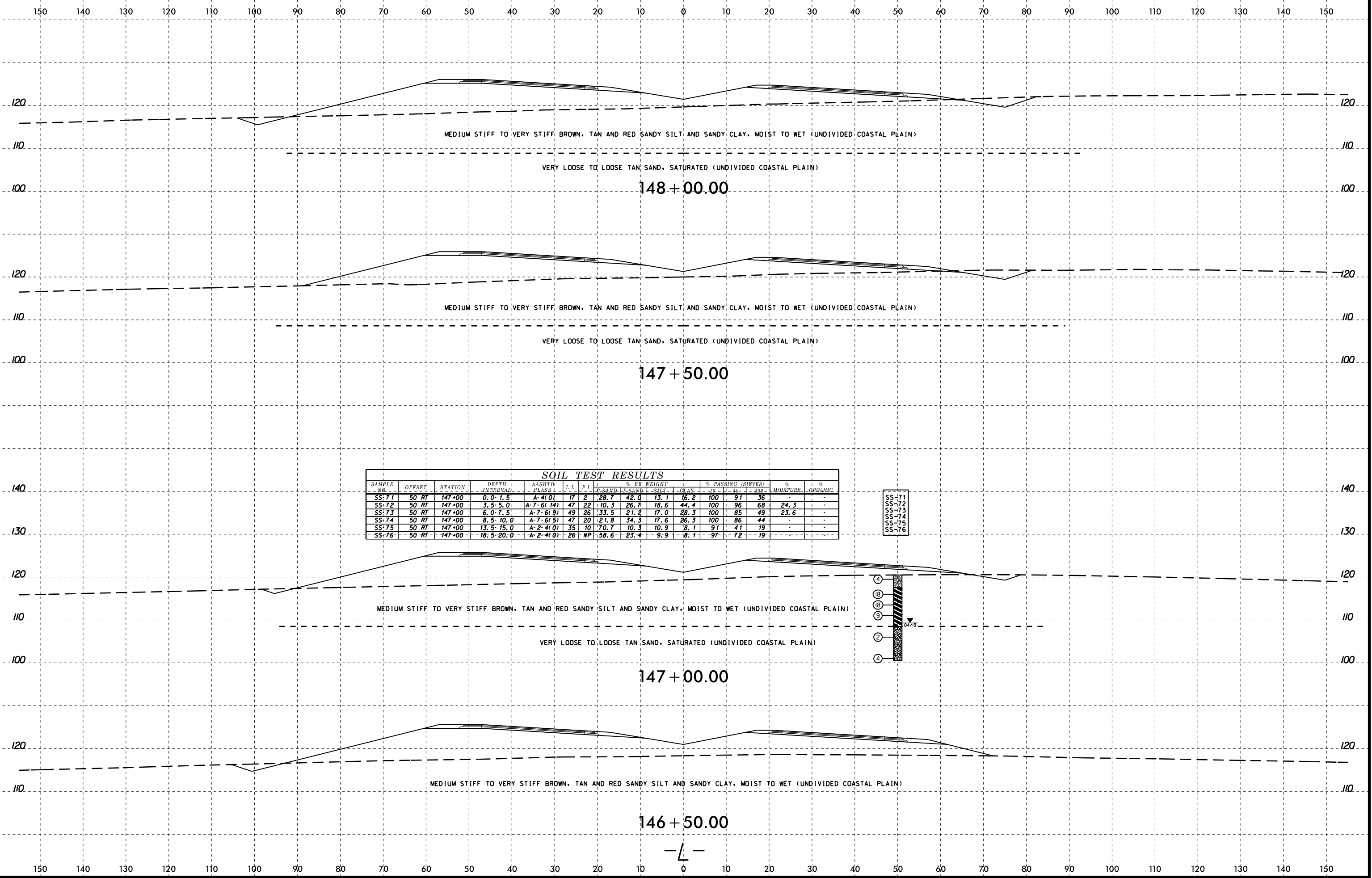


SOIL TEST RESULTS

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-77	CL	134+00	0.0-1.5	A-4(11)	21	5	7.3	29.5	39.0	24.2	100	97	73	-	-
SS-78	CL	134+00	3.5-5.0	A-7(5(39))	66	34	7.0	6.5	29.9	62.6	100	100	95	-	-
SS-79	CL	134+00	6.0-7.5	A-7(6(26))	54	25	5.3	9.3	32.9	52.5	100	97	89	-	-
SS-80	CL	134+00	8.5-10.0	A-7(6(19))	46	20	4.8	13.3	31.3	50.5	100	98	87	-	-
SS-81	CL	134+00	13.5-15.0	A-4(0)	27	8	18.8	46.9	12.1	22.2	97	92	39	-	-

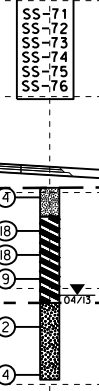


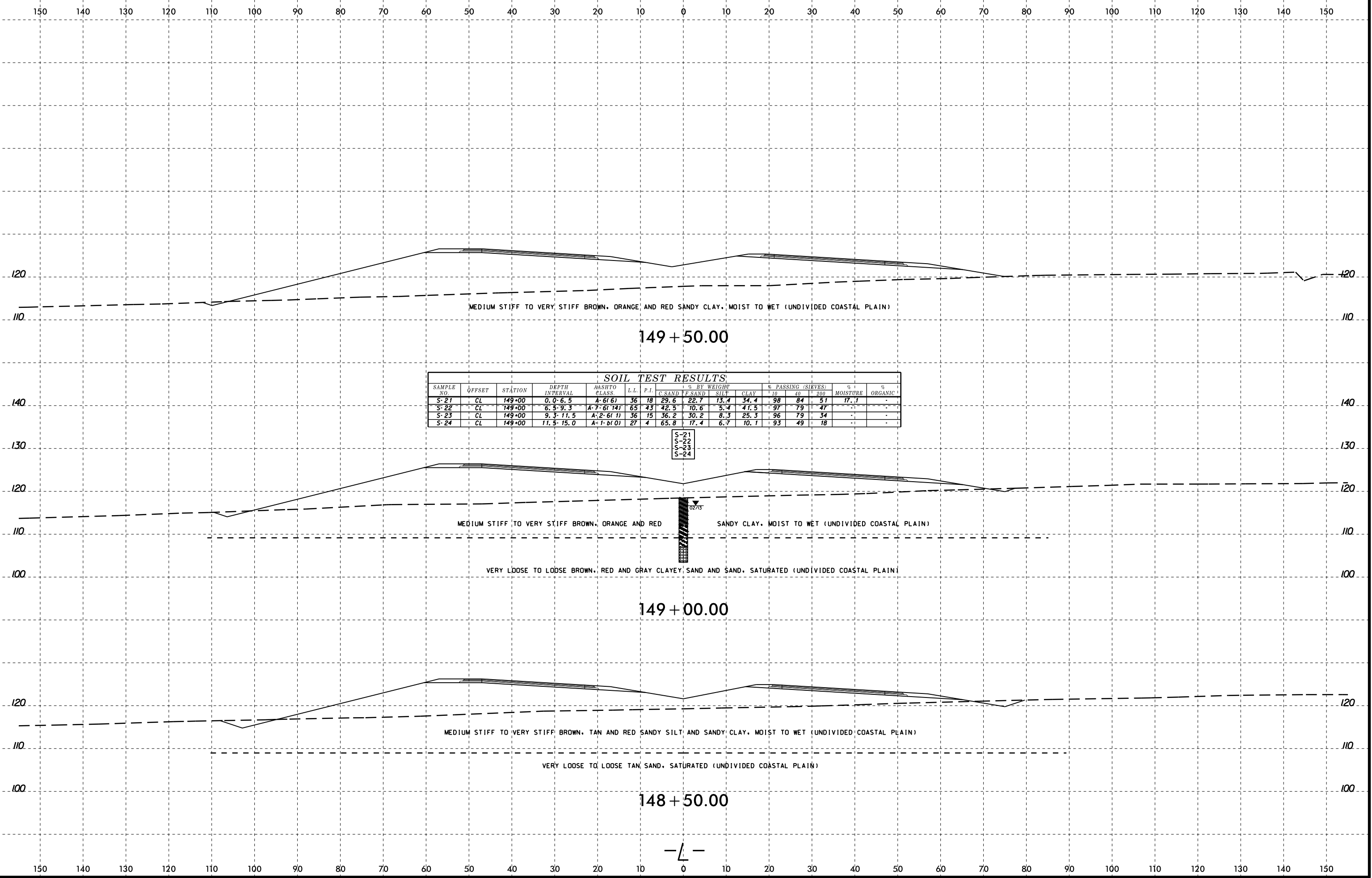




SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)		% MOISTURE	% ORGANIC
							SAND	SAND	SILT	CLAY	#10	#40		
SS-71	50 RT	147+00	0.0-1.5	A-4(0)	17	2	28.7	42.0	13.1	16.2	100	91	36	-
SS-72	50 RT	147+00	3.5-5.0	A-7(61.1)	47	22	10.3	26.7	18.6	44.4	100	96	68	24.3
SS-73	50 RT	147+00	6.0-7.5	A-7(61.9)	49	26	33.5	21.2	17.0	28.3	100	85	49	23.6
SS-74	50 RT	147+00	8.5-10.0	A-7(61.5)	47	20	21.8	34.3	17.6	26.3	100	86	44	-
SS-75	50 RT	147+00	13.5-15.0	A-2(41.0)	35	10	70.7	10.3	10.9	8.1	91	41	19	-
SS-76	50 RT	147+00	18.5-20.0	A-2(41.0)	26	NP	58.6	23.4	9.9	8.1	97	72	19	-

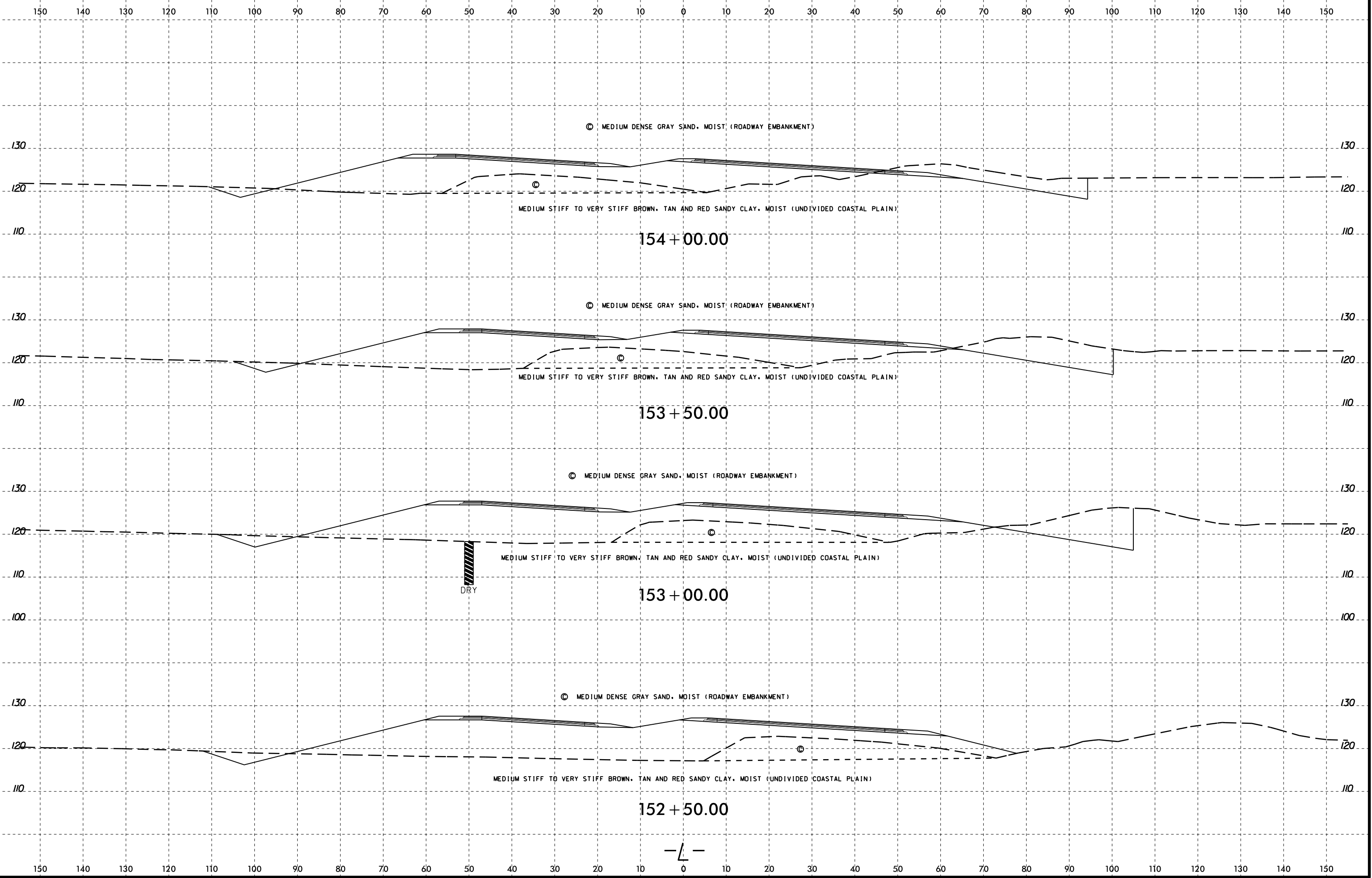




SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	#10	#40	#200		
S-21	CL	149+00	0.0-6.5	A-6(6)	36	18	29.6	22.7	13.4	34.4	98	84	51	17.1	-
S-22	CL	149+00	6.5-9.3	A-7(6/14)	65	43	42.5	10.6	5.4	41.5	97	79	47	-	-
S-23	CL	149+00	9.3-11.5	A-2(6/1)	36	15	36.2	30.2	8.3	25.3	96	79	34	-	-
S-24	CL	149+00	11.5-15.0	A-1(6/0)	27	4	65.8	17.4	6.7	10.1	93	49	18	-	-

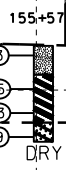
S-21
S-22
S-23
S-24





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-59	49 LT	155+57	0.0-1.5	A-4(0)	15	1	33.6	30.6	19.8	16.1	100	84	41	-	-
SS-60	49 LT	155+57	3.5-5.0	A-7-6(15)	61	33	33.1	12.9	9.5	44.4	100	81	55	-	-
SS-61	49 LT	155+57	6.0-7.5	A-7-6(4)	50	27	48.9	16.0	10.9	24.2	100	71	37	-	-
SS-62	49 LT	155+57	8.5-10.0	A-2-7(3)	57	29	62.6	7.5	11.7	18.2	97	46	30	-	-

SS-59
SS-60
SS-61
SS-62



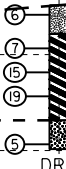
SOFT TO VERY STIFF TAN, BROWN AND RED SANDY SILT AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

LOOSE TAN SAND, MOIST (UNDIVIDED COASTAL PLAIN)

155 + 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-63	CL	155+00	0.0-1.5	A-4(0)	17	NP	23.4	44.2	20.2	12.1	100	93	39	-	-
SS-64	CL	155+00	3.5-5.0	A-7-6(7)	43	19	35.6	15.8	10.3	38.4	100	81	51	-	-
SS-65	CL	155+00	6.0-7.5	A-7-6(3)	48	23	55.4	10.5	9.9	24.2	99	67	36	-	-
SS-66	CL	155+00	8.5-10.0	A-7-6(21)	55	27	5.5	24.6	27.5	42.4	100	98	75	-	-
SS-67	CL	155+00	13.5-15.0	A-2-4(0)	29	NP	61.4	22.2	8.3	8.1	95	65	18	-	-

SS-63
SS-64
SS-65
SS-66
SS-67



MEDIUM DENSE GRAY SAND, MOIST (ROADWAY EMBANKMENT)

MEDIUM STIFF TO VERY STIFF TAN, BROWN AND RED SANDY SILT AND SANDY AND SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

LOOSE TAN SAND, MOIST (UNDIVIDED COASTAL PLAIN)

155 + 00.00

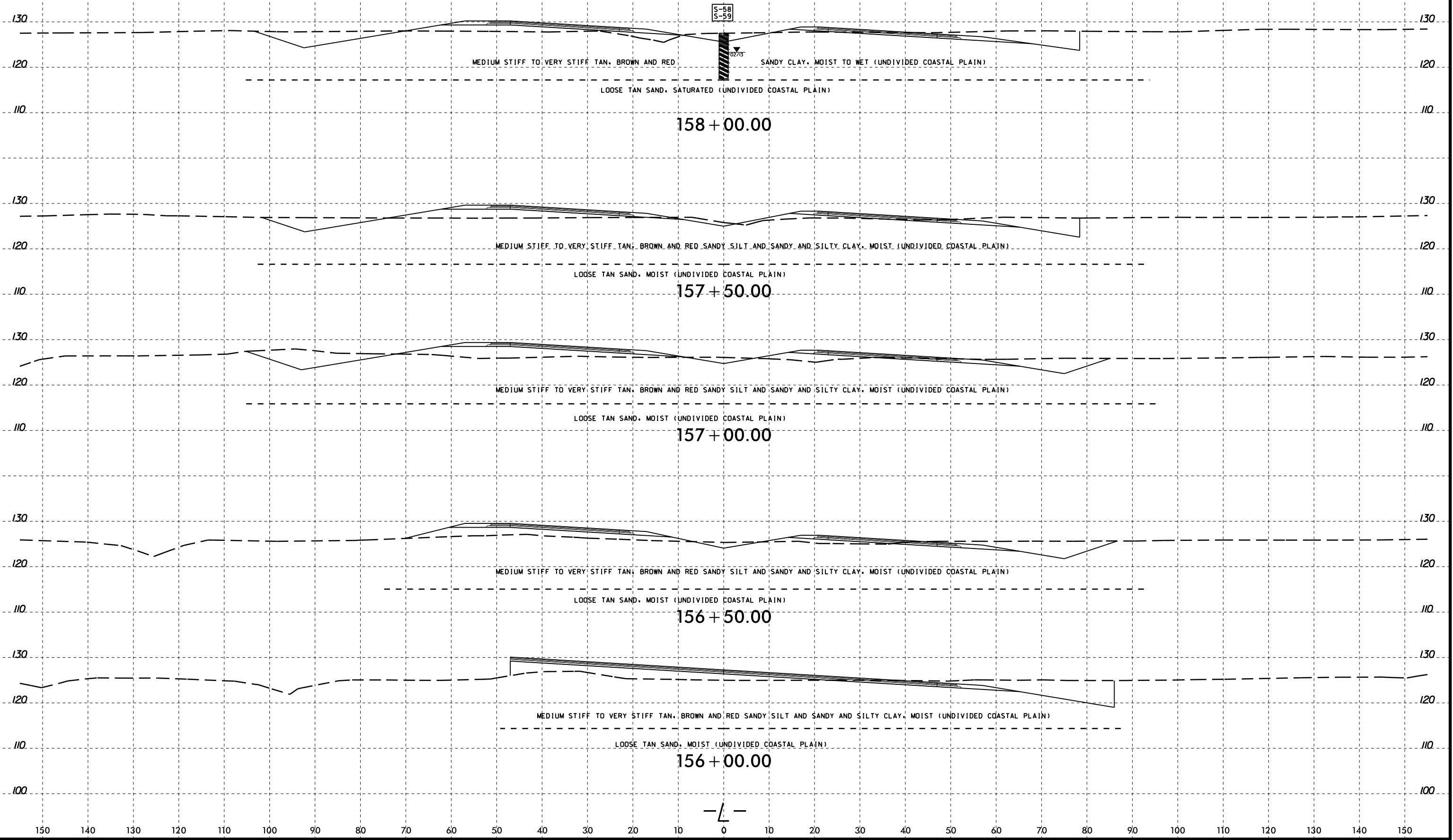
MEDIUM DENSE GRAY SAND, MOIST (ROADWAY EMBANKMENT)

MEDIUM STIFF TO VERY STIFF BROWN, TAN AND RED SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

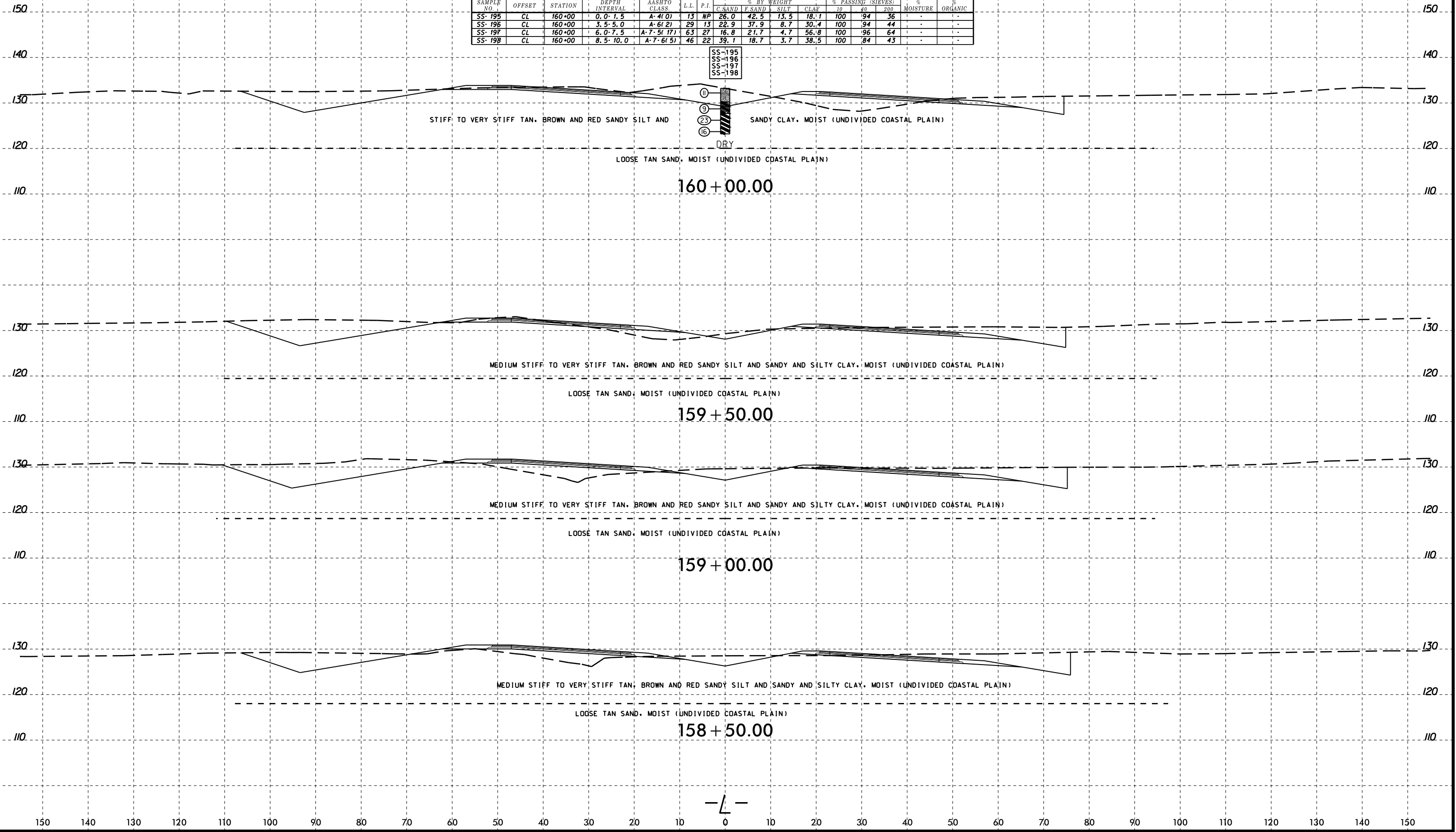
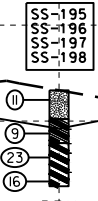
154 + 50.00

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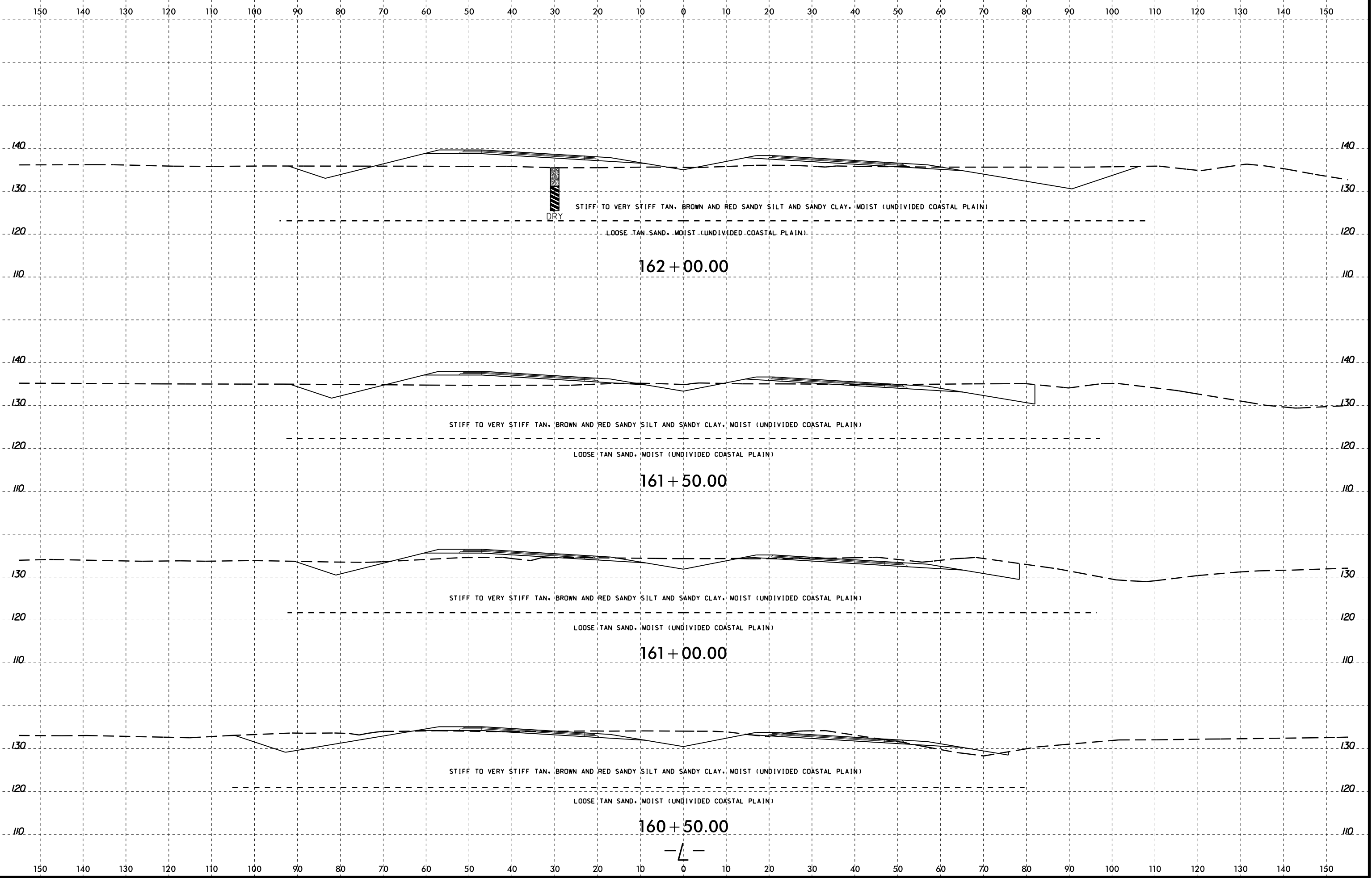
SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT			% PASSING (SIEVES)			% MOISTURE	% ORGANIC	
							C. SAND	F. SAND	SILT	CLAY	10	40			200
S-58	CL	158+00	0.0-3.0	A-6(2)	32	13	28.1	34.4	7.1	30.4	100	91	41		
S-59	CL	158+00	3.0-10.0	A-7-6(10)	43	22	13.4	35.3	14.8	36.5	100	96	57		

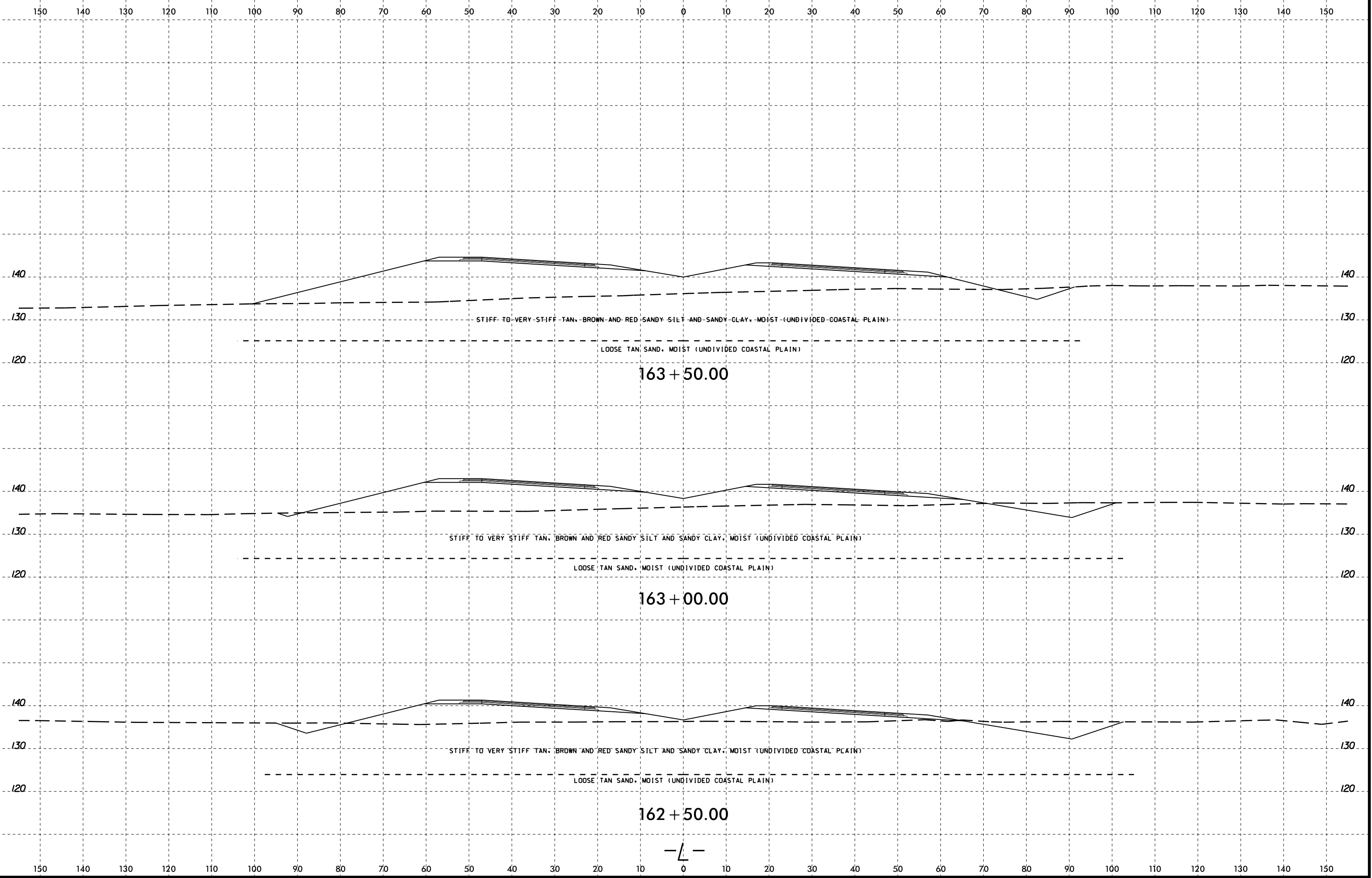
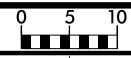


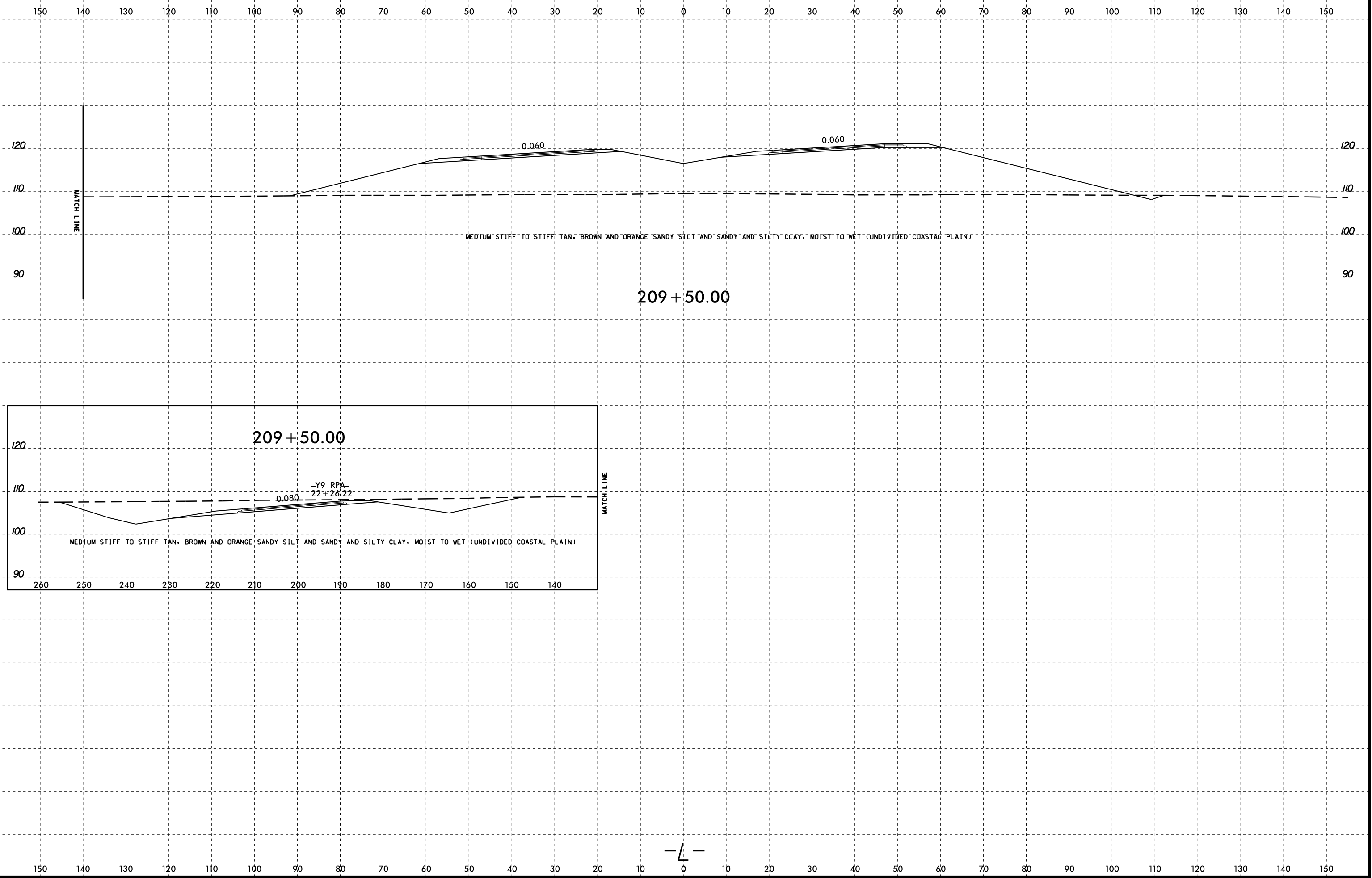
SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							G SAND	F SAND	SILT	CLAY	10	40	200		
SS-195	CL	160+00	0.0-1.5	A-4(0)	13	NP	26.0	42.5	13.5	18.1	100	94	36	-	-
SS-196	CL	160+00	3.5-5.0	A-6(2)	29	13	22.9	37.9	8.7	30.4	100	94	44	-	-
SS-197	CL	160+00	6.0-7.5	A-7(5(17))	63	27	16.8	21.7	4.7	56.8	100	96	64	-	-
SS-198	CL	160+00	8.5-10.0	A-7(6(5))	46	22	39.1	18.7	3.7	38.5	100	84	43	-	-



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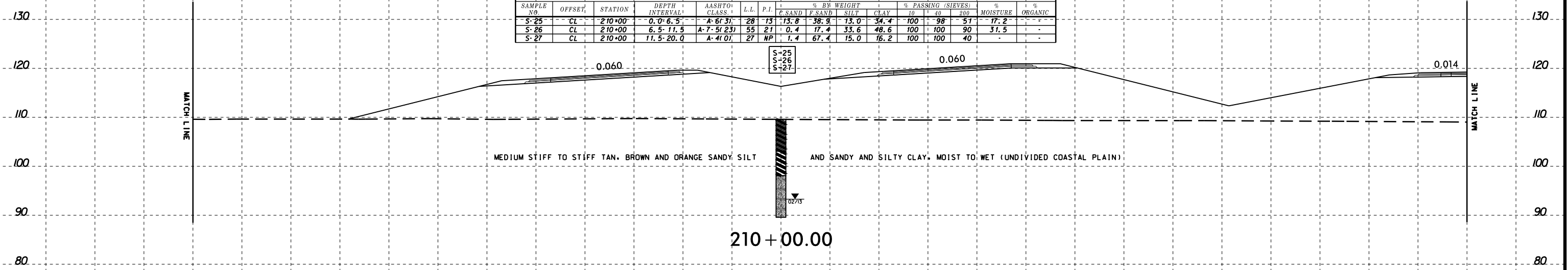




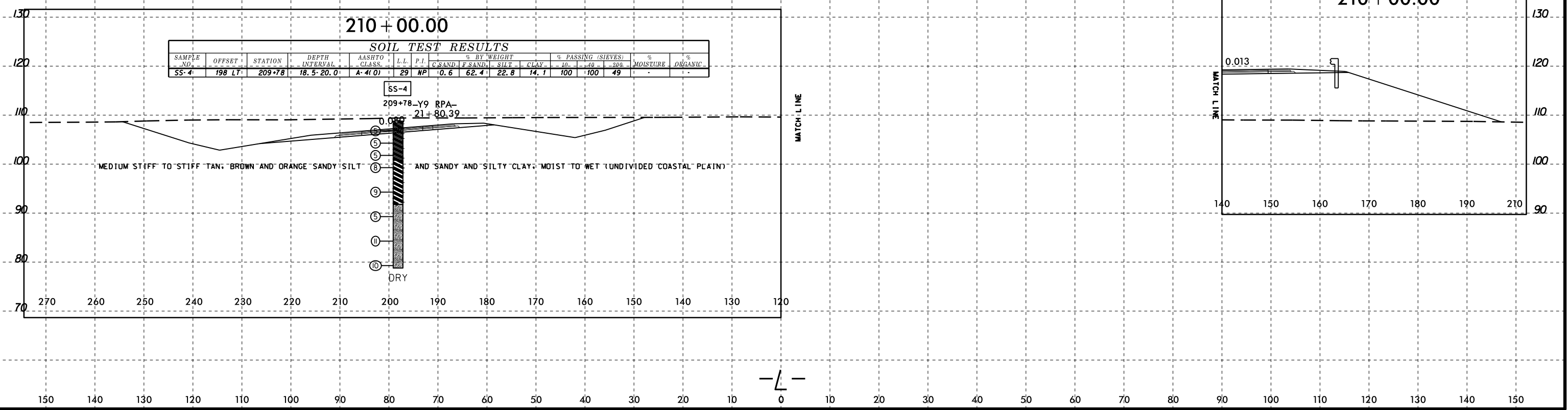


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SOIL TEST RESULTS														
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L.L.	P.I.	C SAND	F SAND	SILT	CLAY	% PASSING (SIEVES)	% MOISTURE	% ORGANIC	
							-10	-20	-40	-200				
S-25	CL	210+00	0.0-6.5	A-6(3)	28	13	13.8	38.9	13.0	34.4	100	98	51	17.2
S-26	CL	210+00	6.5-11.5	A-7(5(23))	55	21	0.4	17.4	33.6	48.6	100	100	90	31.5
S-27	CL	210+00	11.5-20.0	A-4(0)	27	NP	1.4	67.4	15.0	16.2	100	100	40	-

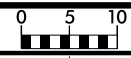


SOIL TEST RESULTS														
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L.L.	P.I.	C SAND	F SAND	SILT	CLAY	% PASSING (SIEVES)	% MOISTURE	% ORGANIC	
							-10	-20	-40	-200				
SS-4	198 LT	209+78	18.5-20.0	A-4(0)	29	NP	0.6	62.4	22.8	14.1	100	100	49	-

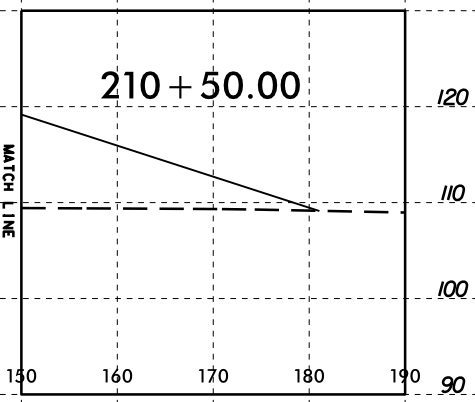
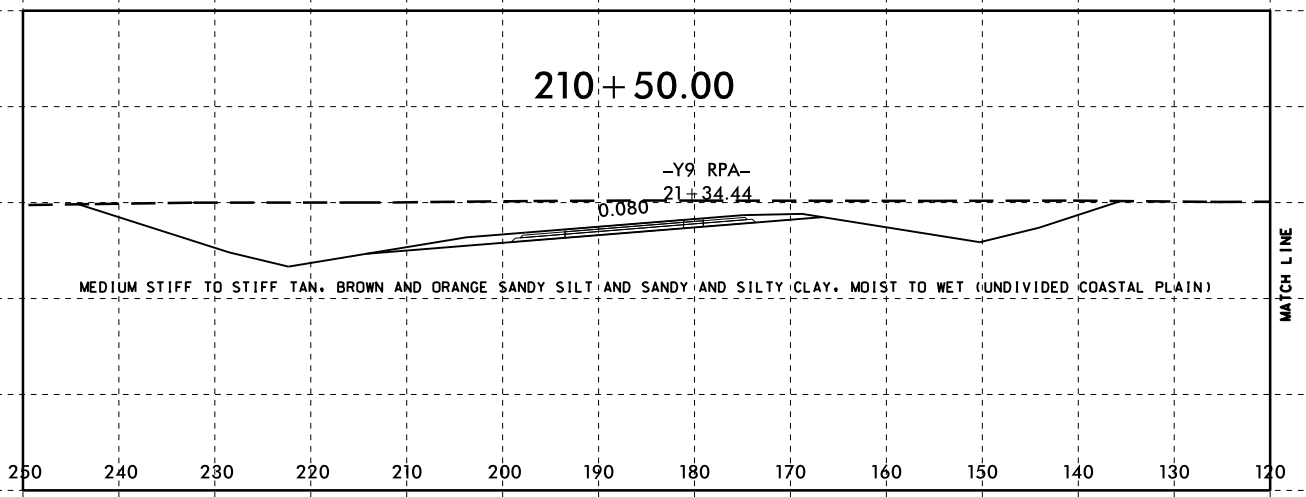
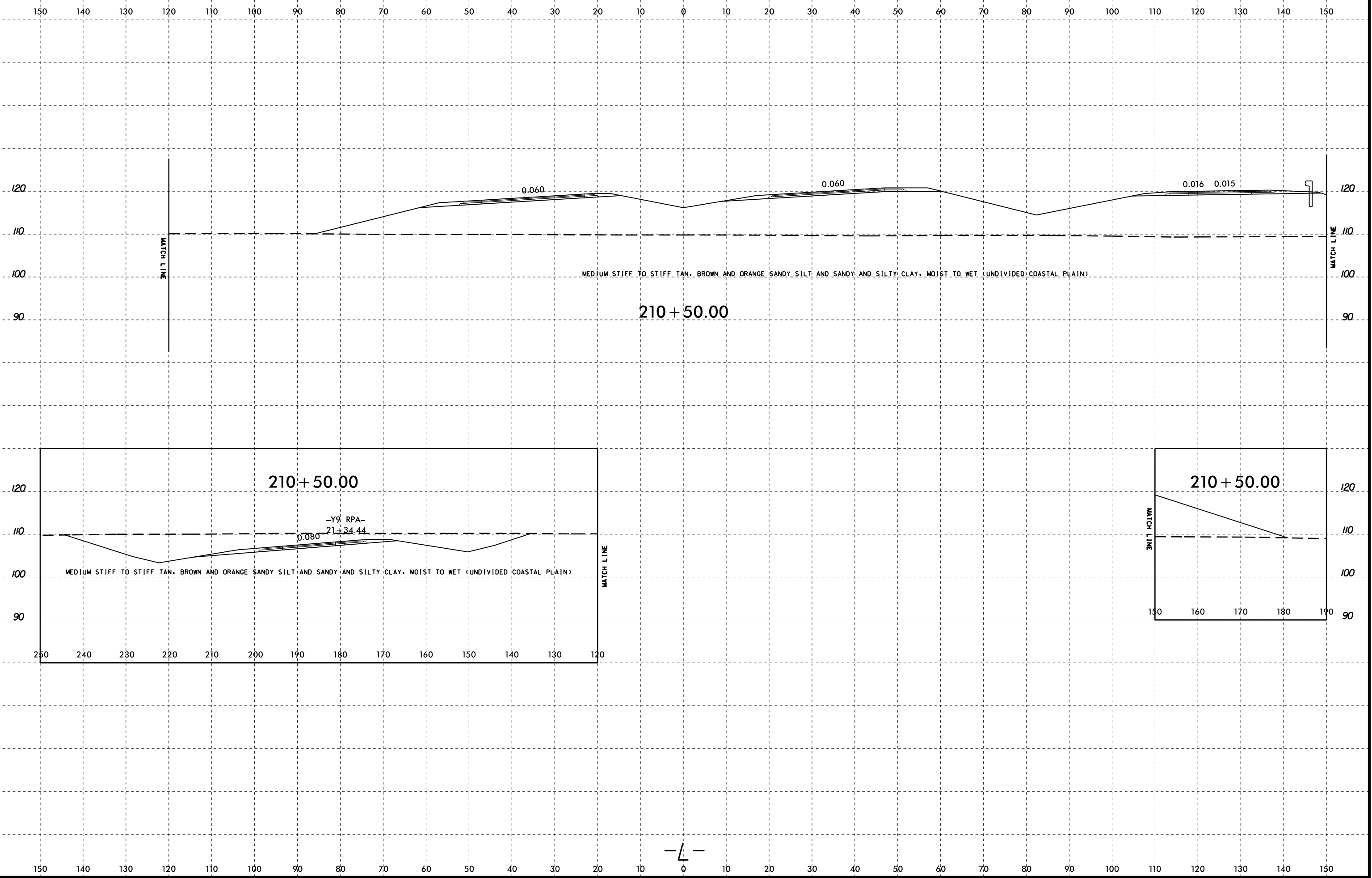


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 G. Turner

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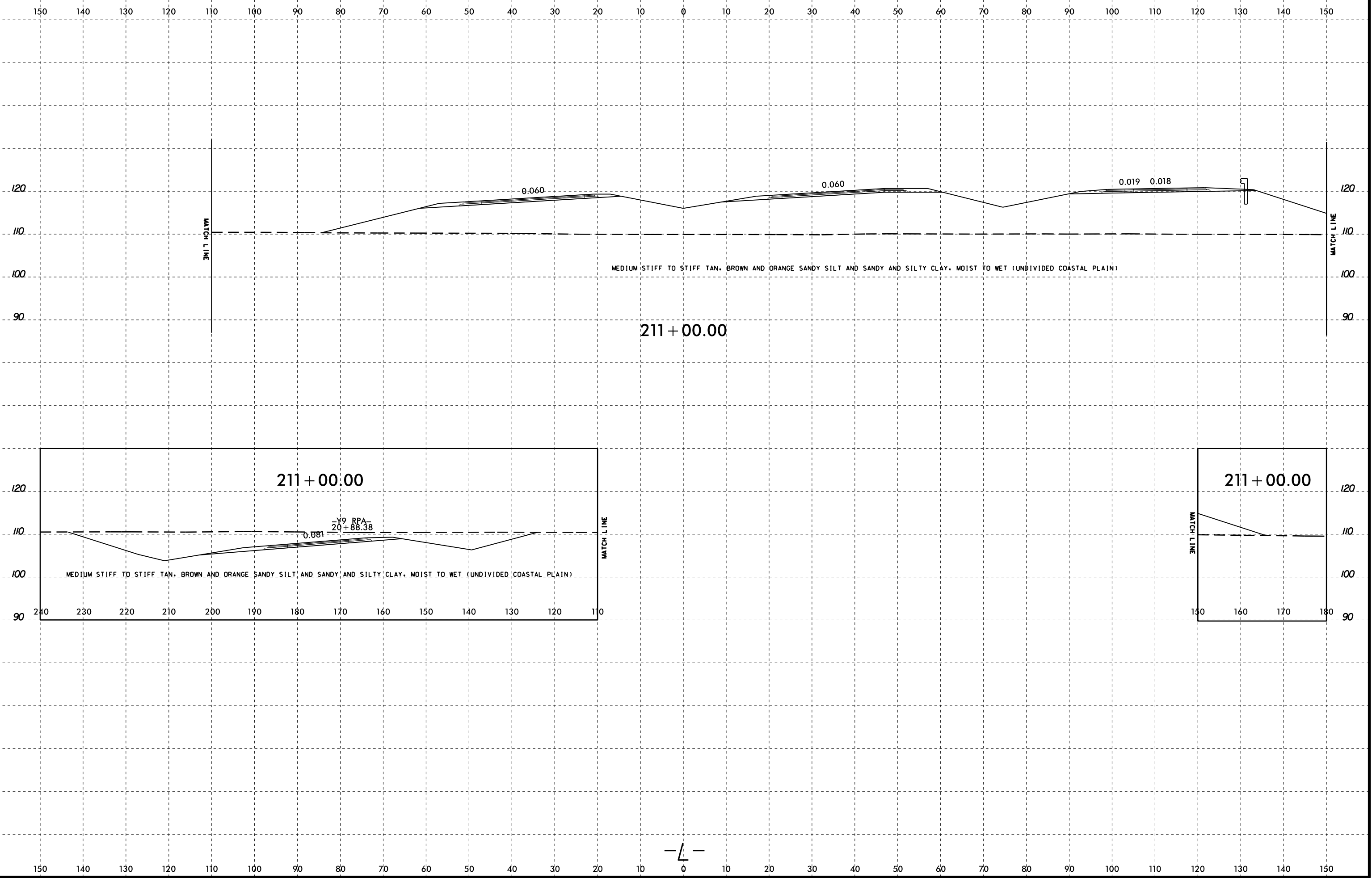


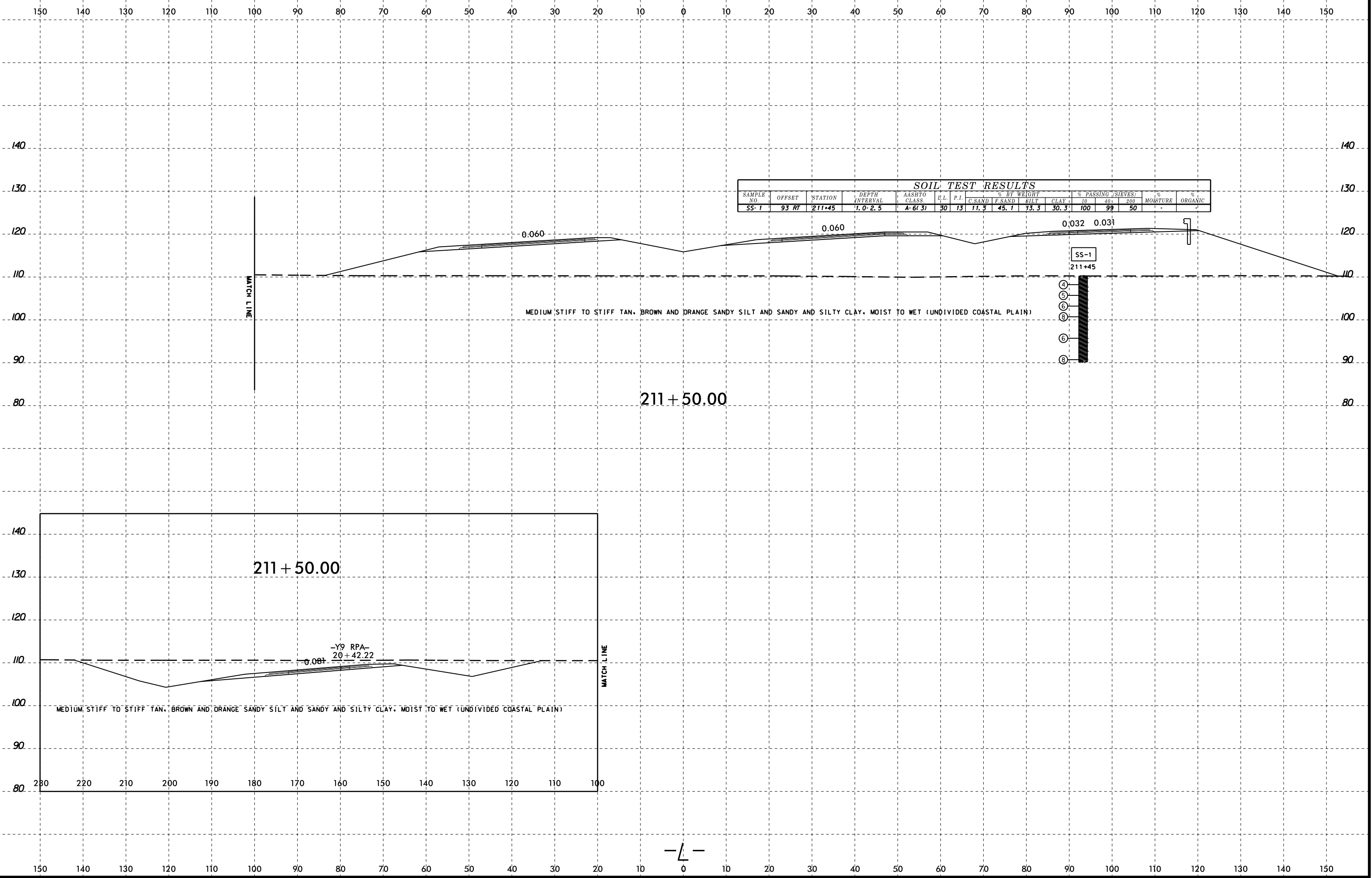
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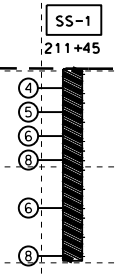
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SOIL TEST RESULTS														
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	LL	P.I.	% BY WEIGHT				% PASSING (SIEVES)		% MOISTURE	% ORGANIC
							C SAND	F SAND	SILT	CLAY	10	40		
SS-1	93 RT	211+45	1.0-2.5	A-6(3)	50	13	11.3	45.1	13.3	30.3	100	99	50	-



211 + 50.00

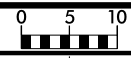
211 + 50.00

-Y9 RPA-
20 + 42.22

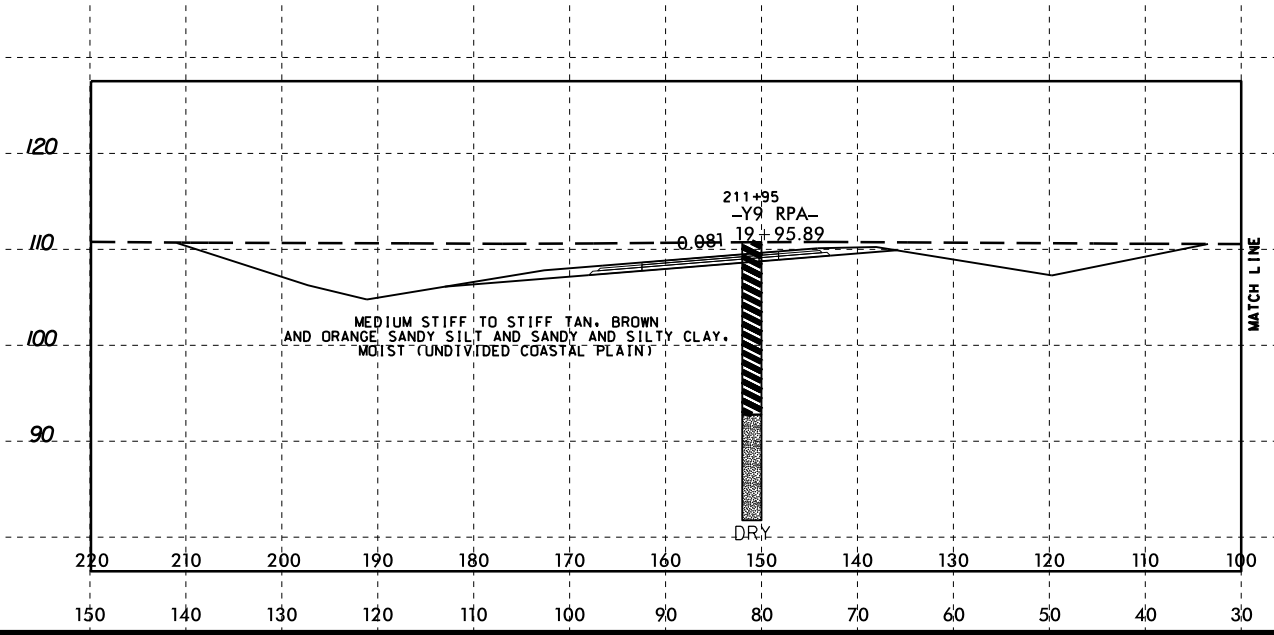
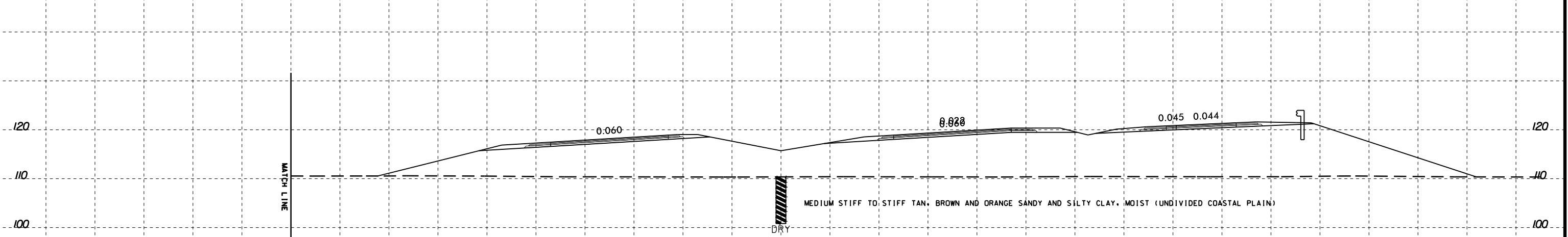
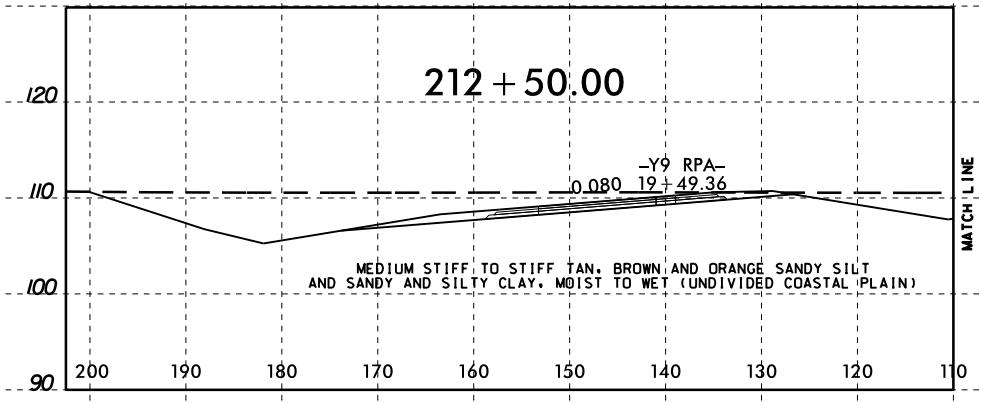
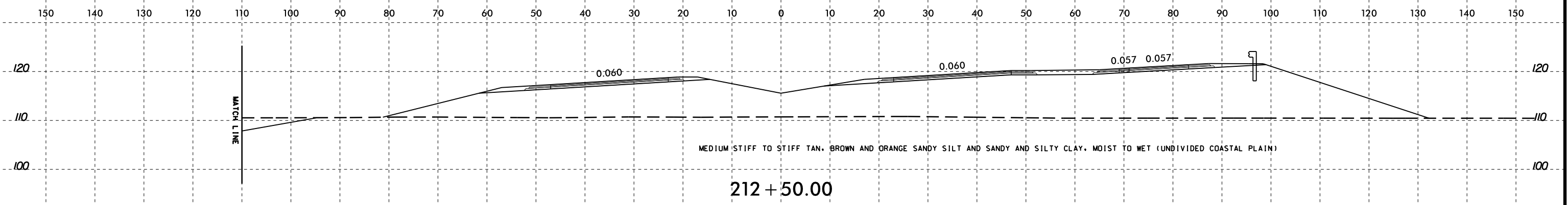
MATCH LINE

MATCH LINE

8/23/99

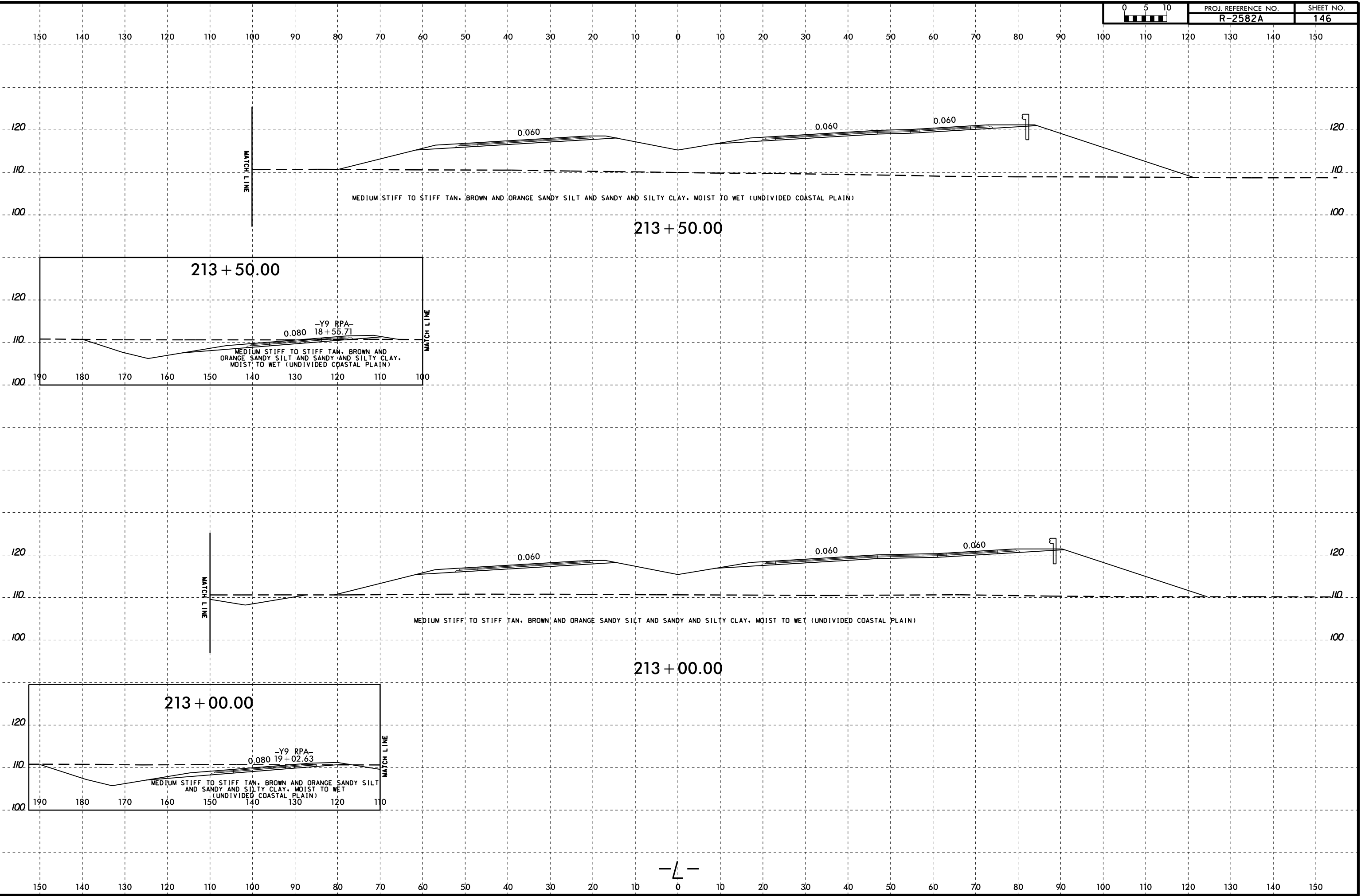


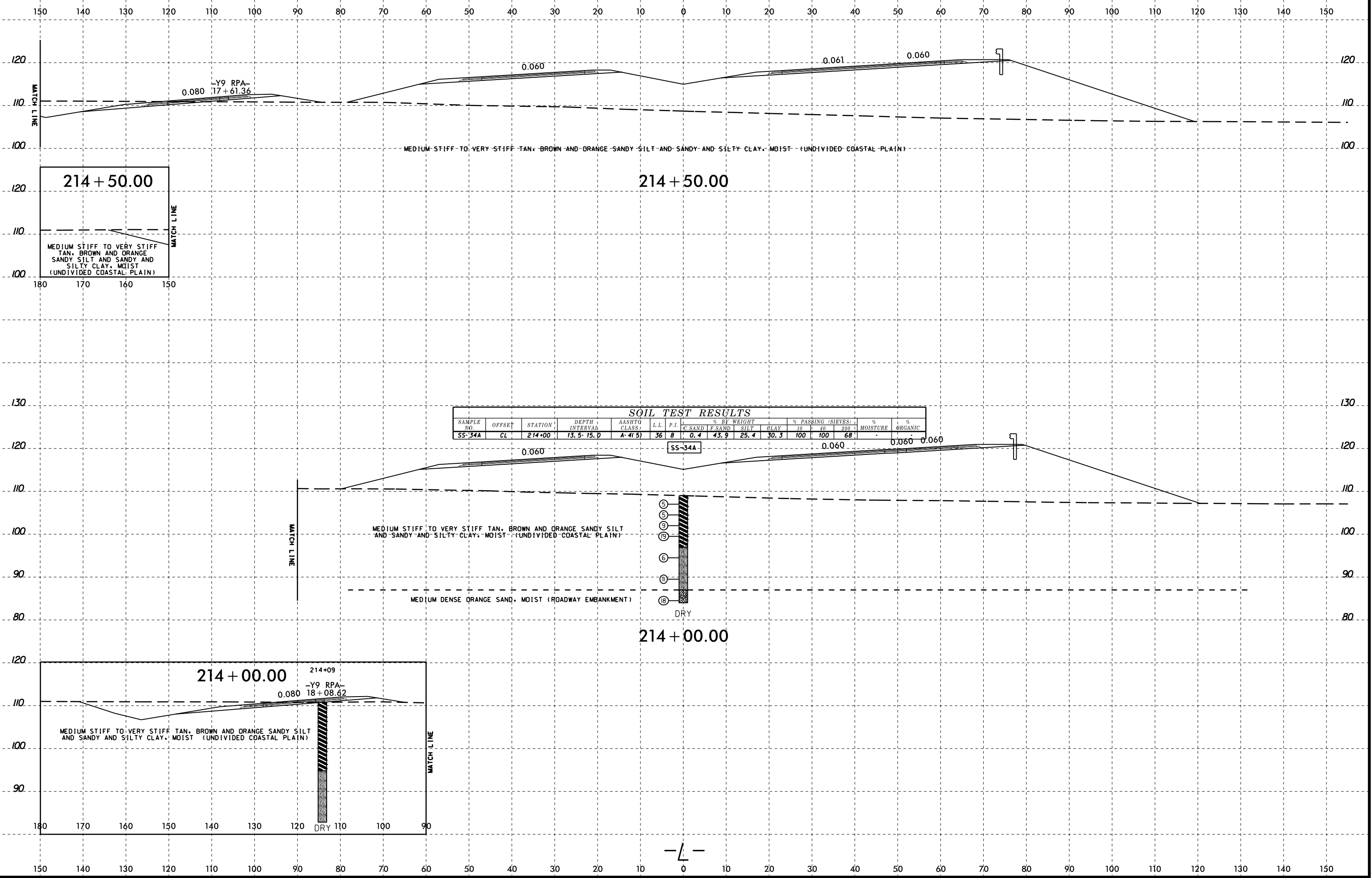
PROJ. REFERENCE NO.	SHEET NO.
R-2582A	145



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-L-





214 + 50.00

MATCH LINE

MEDIUM STIFF TO VERY STIFF
TAN, BROWN AND ORANGE
SANDY SILT AND SANDY AND
SILTY CLAY, MOIST
(UNDIVIDED COASTAL PLAIN)

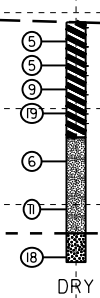
214 + 50.00

SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)		% MOISTURE	% ORGANIC
							W SAND	F SAND	SILT	CLAY	10	40		
SS-34A	CL	214+00	13.5- 15.0	A-4(5)	36	8	0.4	43.9	25.4	30.3	100	100	68	-

SS-34A

214 + 00.00



8/23/99

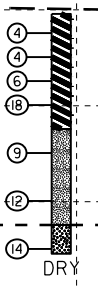
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SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	ASTM CLASS	L.L.	P.I.	BY WEIGHT			PASSING (SIEVES)			MOISTURE	ORGANIC	
							C SAND	F SAND	SILT	CLAY	# 10	# 40			# 200
SS-30A	91 LT	215+67	1.0-2.5	A-7-6(12)	42	26	7.9	39.4	12.2	40.4	100	99	58	-	-
SS-31A	91 LT	215+67	8.5-10.0	A-7-5(34)	63	31	1.0	10.1	22.1	66.7	100	100	92	-	-
SS-32A	91 LT	215+67	13.5-15.0	A-4(3)	34	9	1.6	51.8	24.4	22.2	100	100	58	-	-
SS-33A	91 LT	215+67	23.5-25.0	A-2-4(0)	23	NP	45.3	39.2	9.4	6.1	99	83	19	-	-

SS-30A
 SS-31A
 SS-32A
 SS-33A

215+67
 -Y9 RPA-
 16+66.37



MEDIUM STIFF TO VERY STIFF TAN, BROWN AND ORANGE SANDY SILT AND SANDY AND SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

MEDIUM DENSE ORANGE SAND, MOIST (UNDIVIDED COASTAL PLAIN)

215 + 50.00

0.080
 -Y9 RPA-
 17+13.94

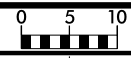
MEDIUM STIFF TO VERY STIFF TAN, BROWN AND ORANGE SANDY SILT AND SANDY AND SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

215 + 00.00

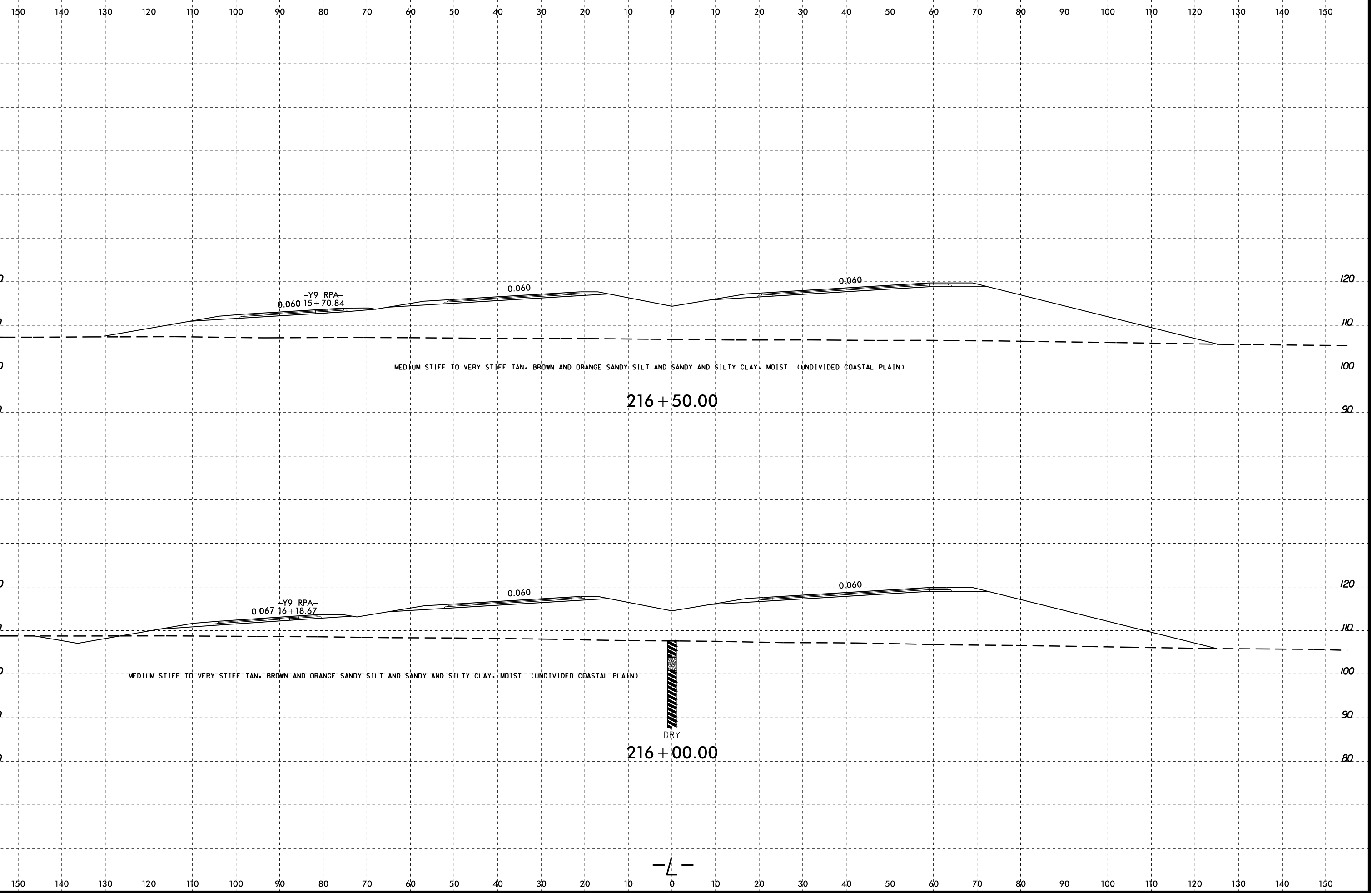
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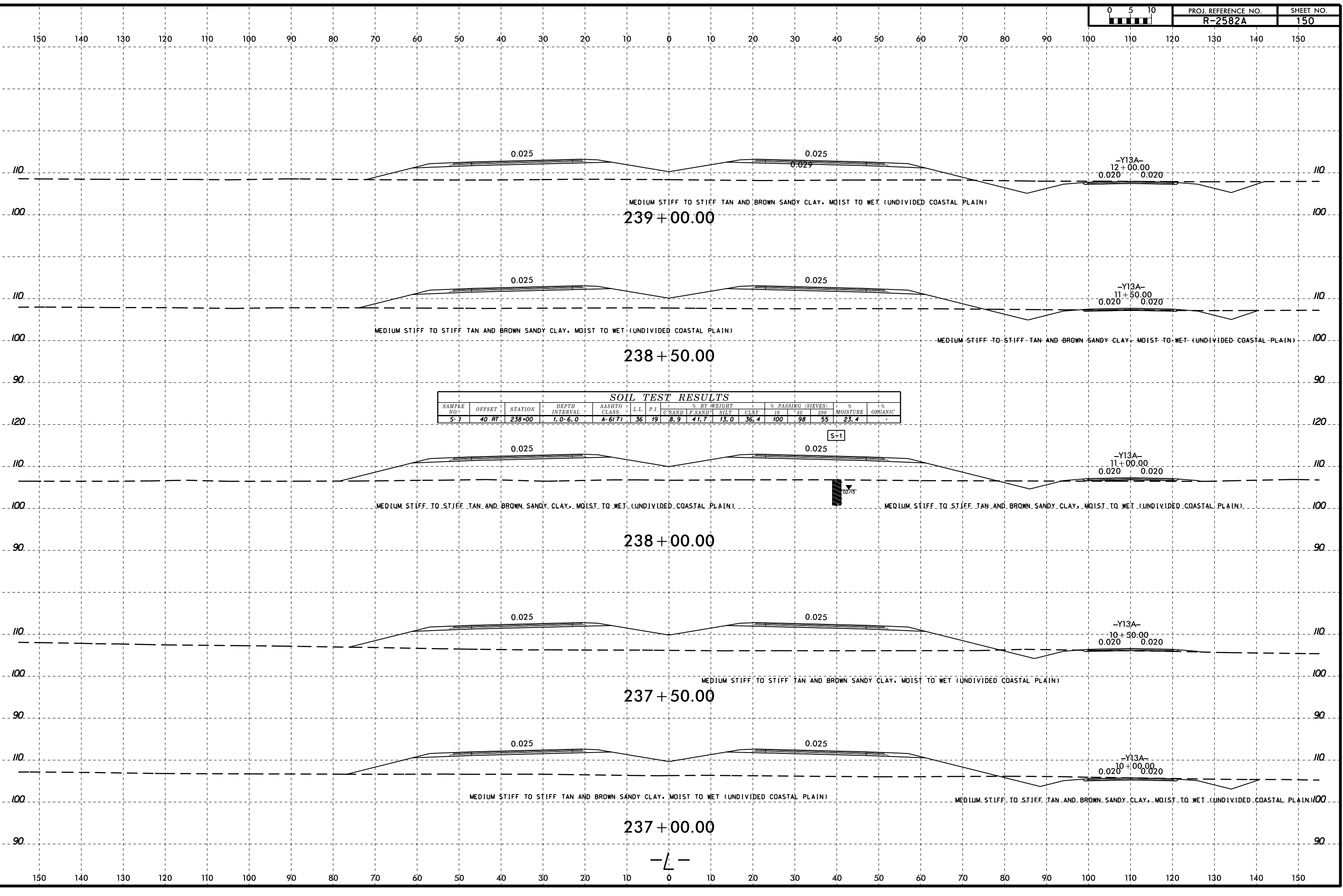
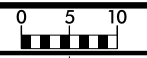
8/23/99



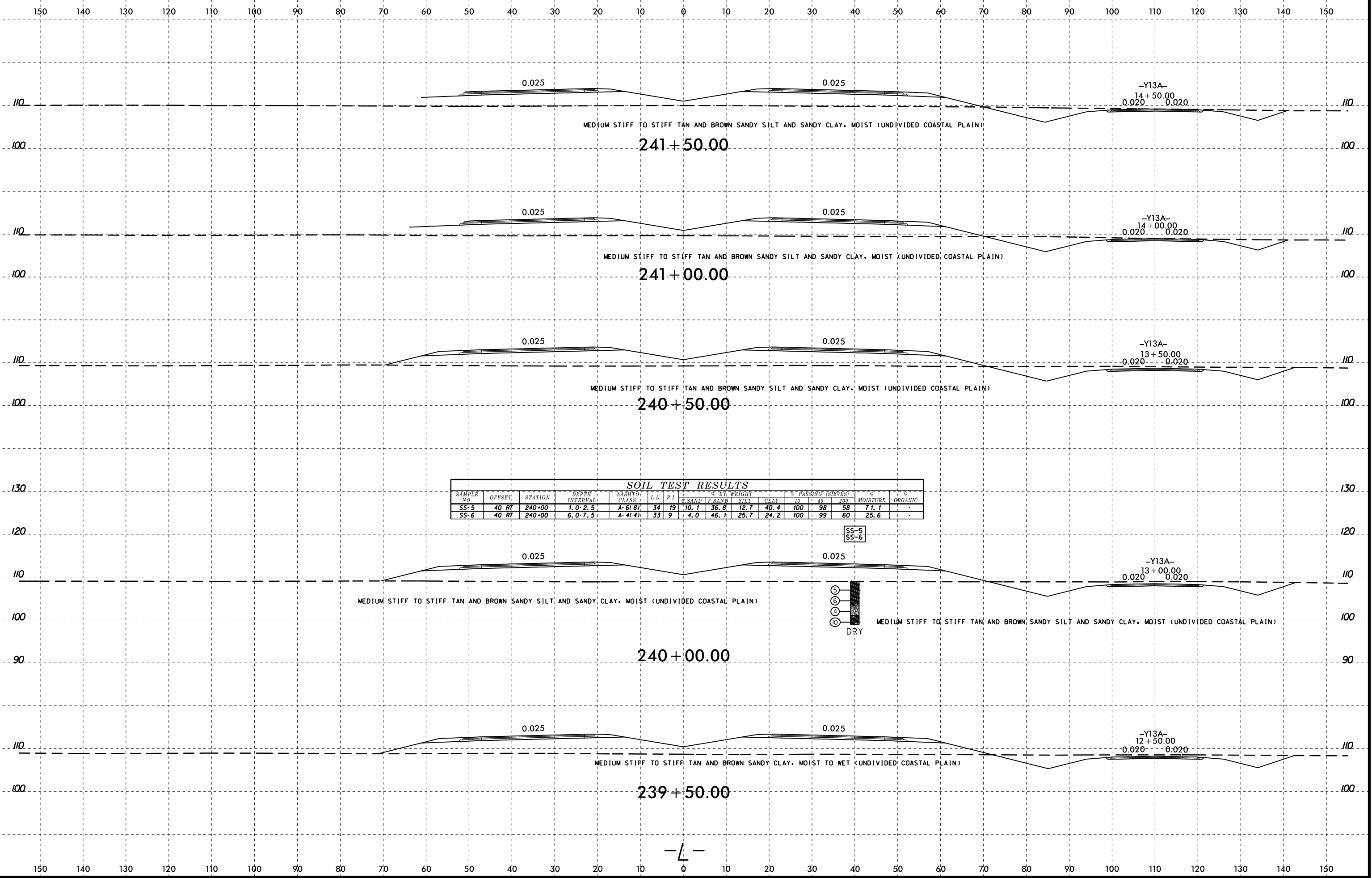
PROJ. REFERENCE NO.	SHEET NO.
R-2582A	149



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 At: 16EG77330
 G. Turner



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-7	40 RT	238+00	1.0-6.0	A-6(7)	36	19	8.9	41.7	13.0	36.4	100	98	55	23.4	-

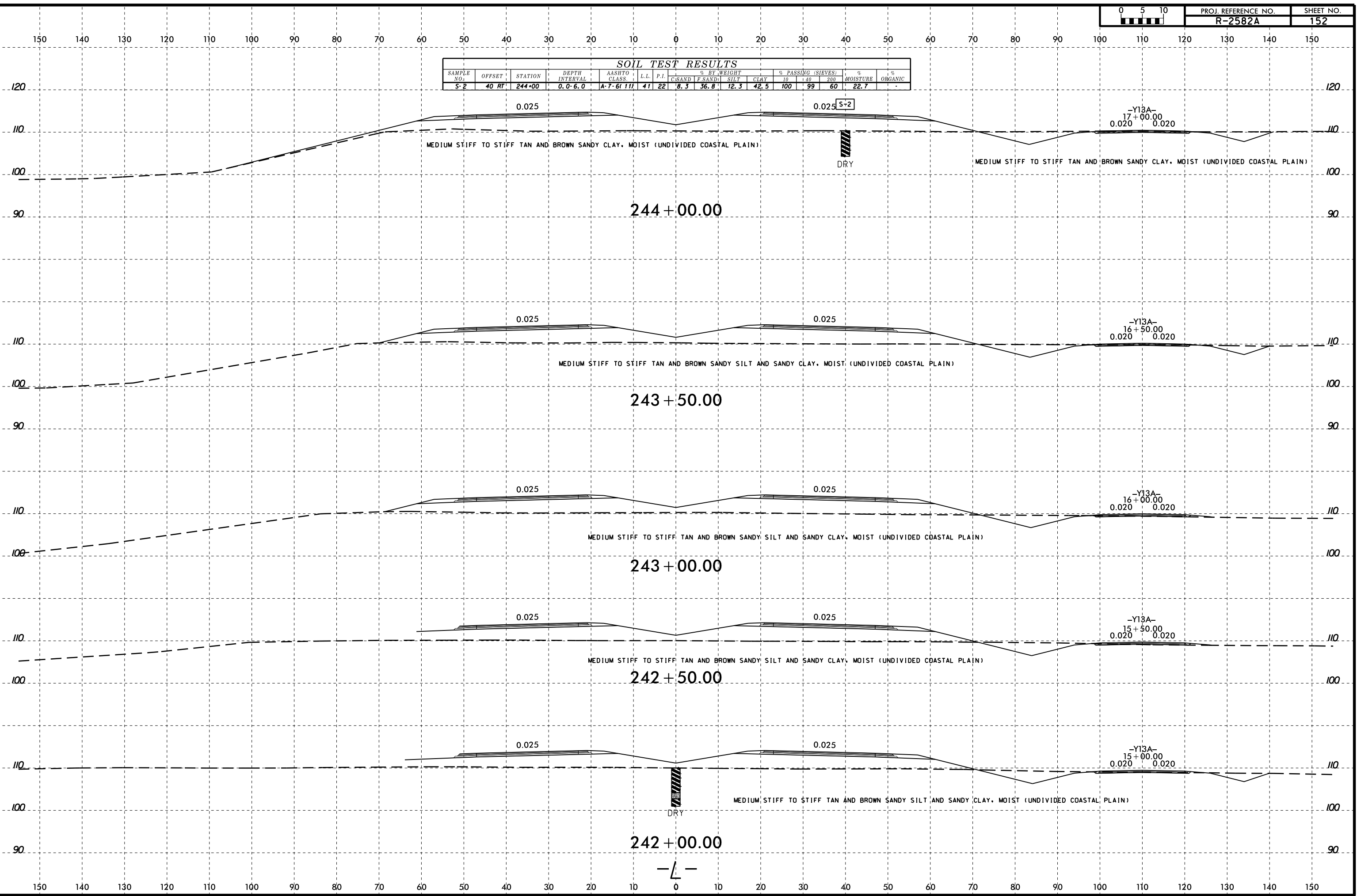


SOIL TEST RESULTS

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-5	40 RT	240+00	1.0-2.5	A-6(8)	34	19	10.1	36.8	12.7	40.4	100	98	58	71.1	-
SS-6	40 RT	240+00	6.0-7.5	A-4(4)	33	9	4.0	46.1	25.7	24.2	100	99	60	25.6	-

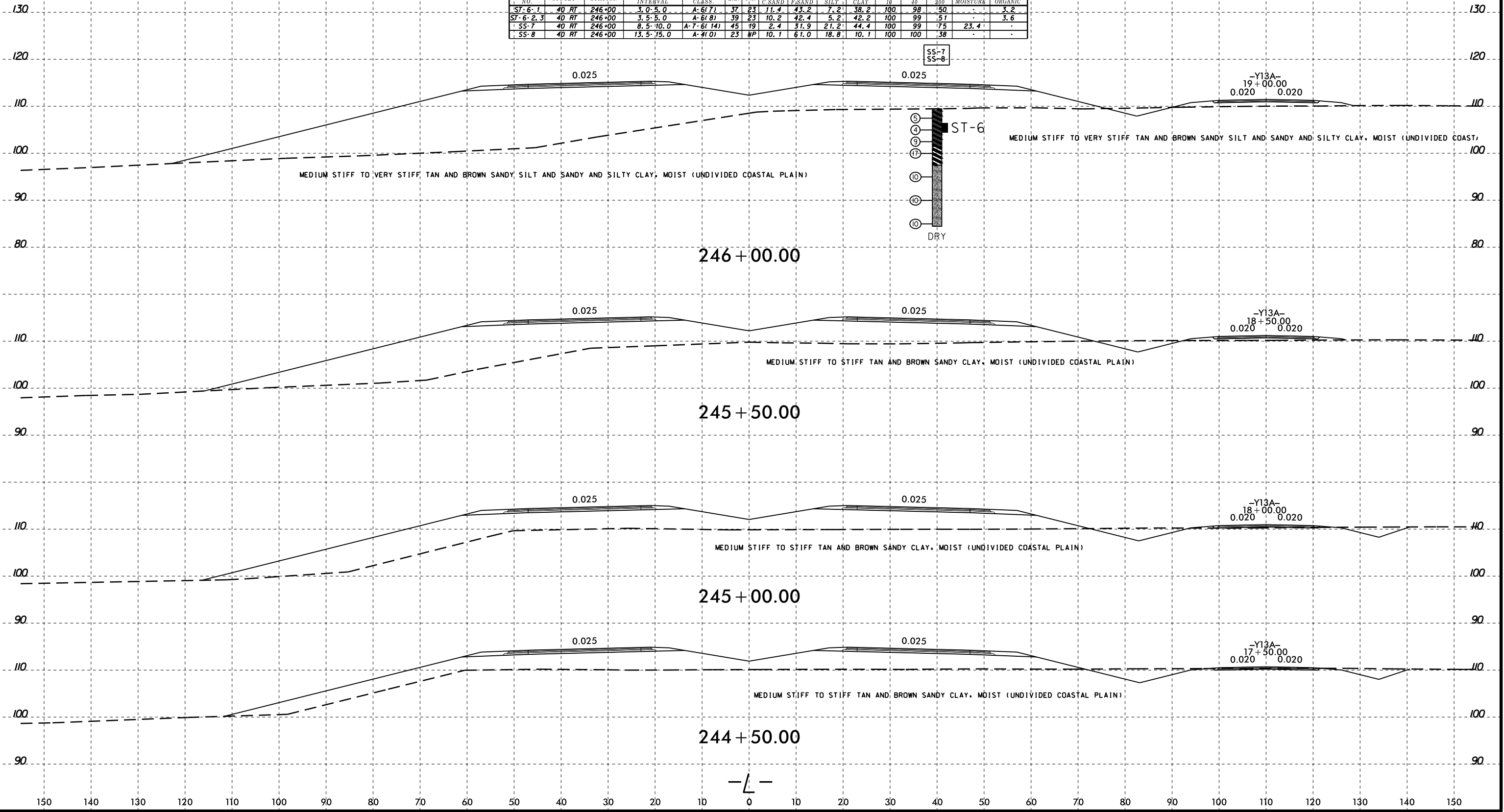


SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT			% PASSING (SIEVES)			% MOISTURE	% ORGANIC	
							C SAND	F SAND	SILT	CLAY	10	40			200
S-2	40 RT	244+00	0.0-6.0	A-7-6(11)	41	22	8.3	36.8	12.3	42.5	100	99	60	22.7	-

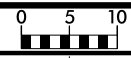


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 Atty: GEG/77330
 G. Turner

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		
ST-6-1	40 RT	246+00	3.0-5.0	A-6(7)	37	23	11.4	43.2	7.2	38.2	100	98	50	3.2
ST-6-2,3	40 RT	246+00	3.5-5.0	A-6(8)	39	23	10.2	42.4	5.2	42.2	100	99	51	3.6
SS-7	40 RT	246+00	8.5-10.0	A-7(61.14)	45	19	2.4	31.9	21.2	44.4	100	99	75	23.4
SS-8	40 RT	246+00	13.5-15.0	A-4(0)	23	NP	10.1	61.0	18.8	10.1	100	100	38	-

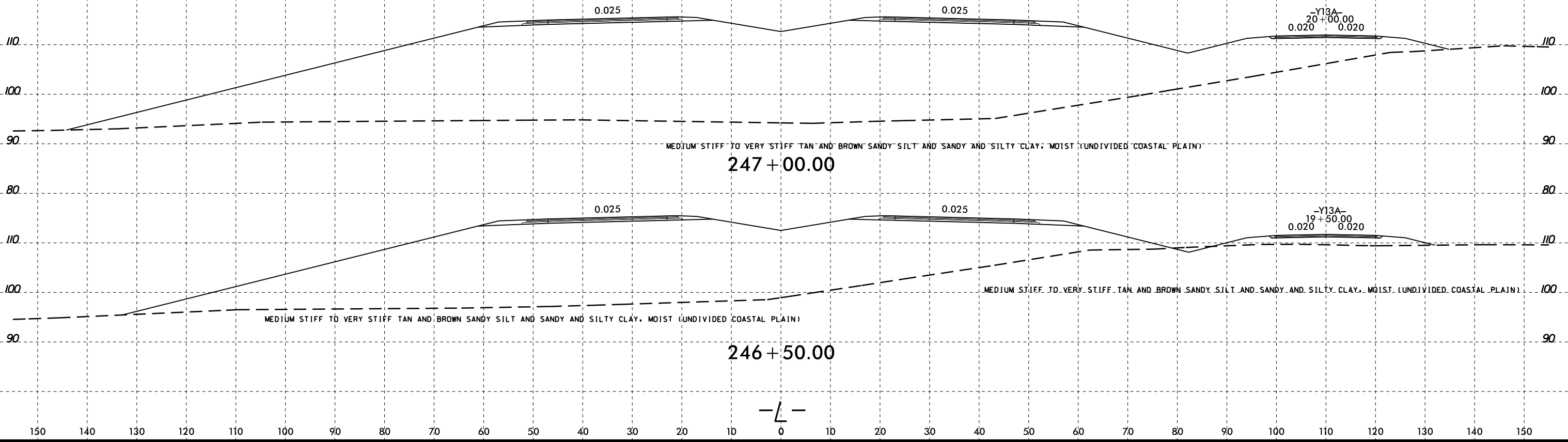


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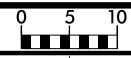
PROJ. REFERENCE NO.	SHEET NO.
R-2582A	154

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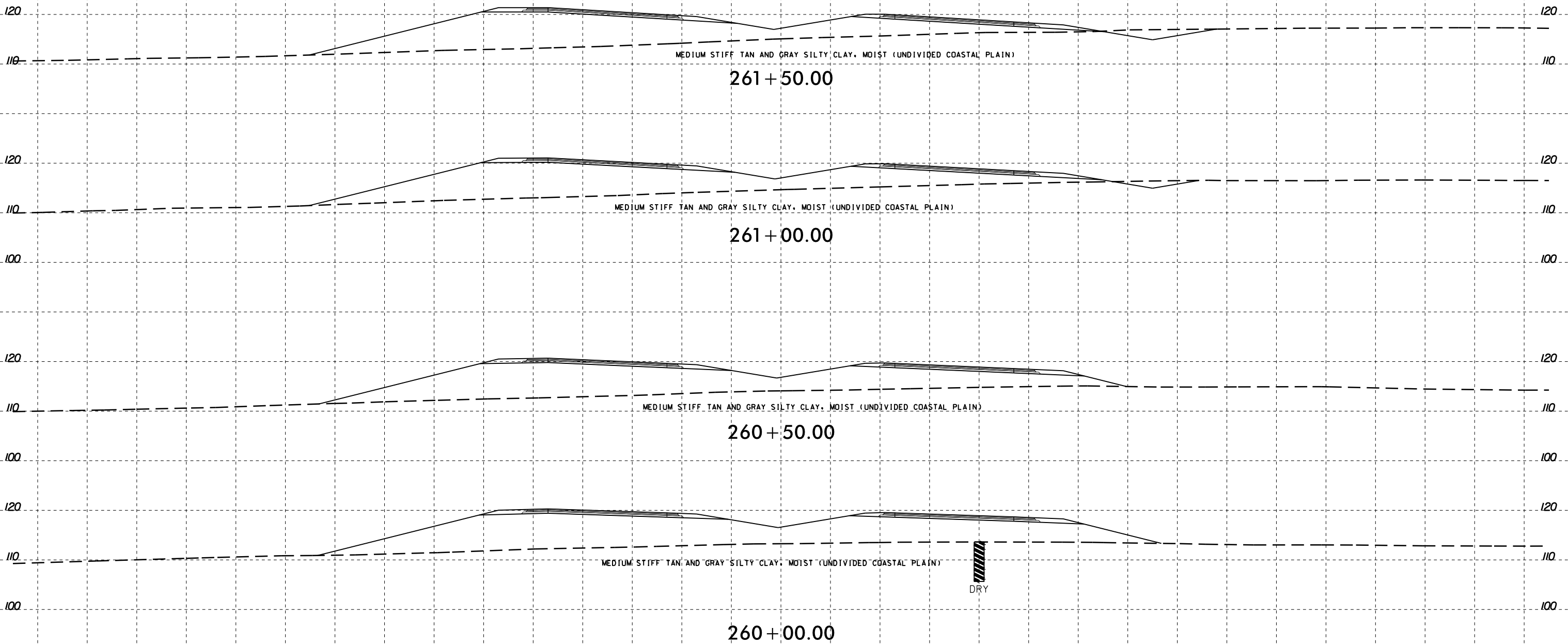


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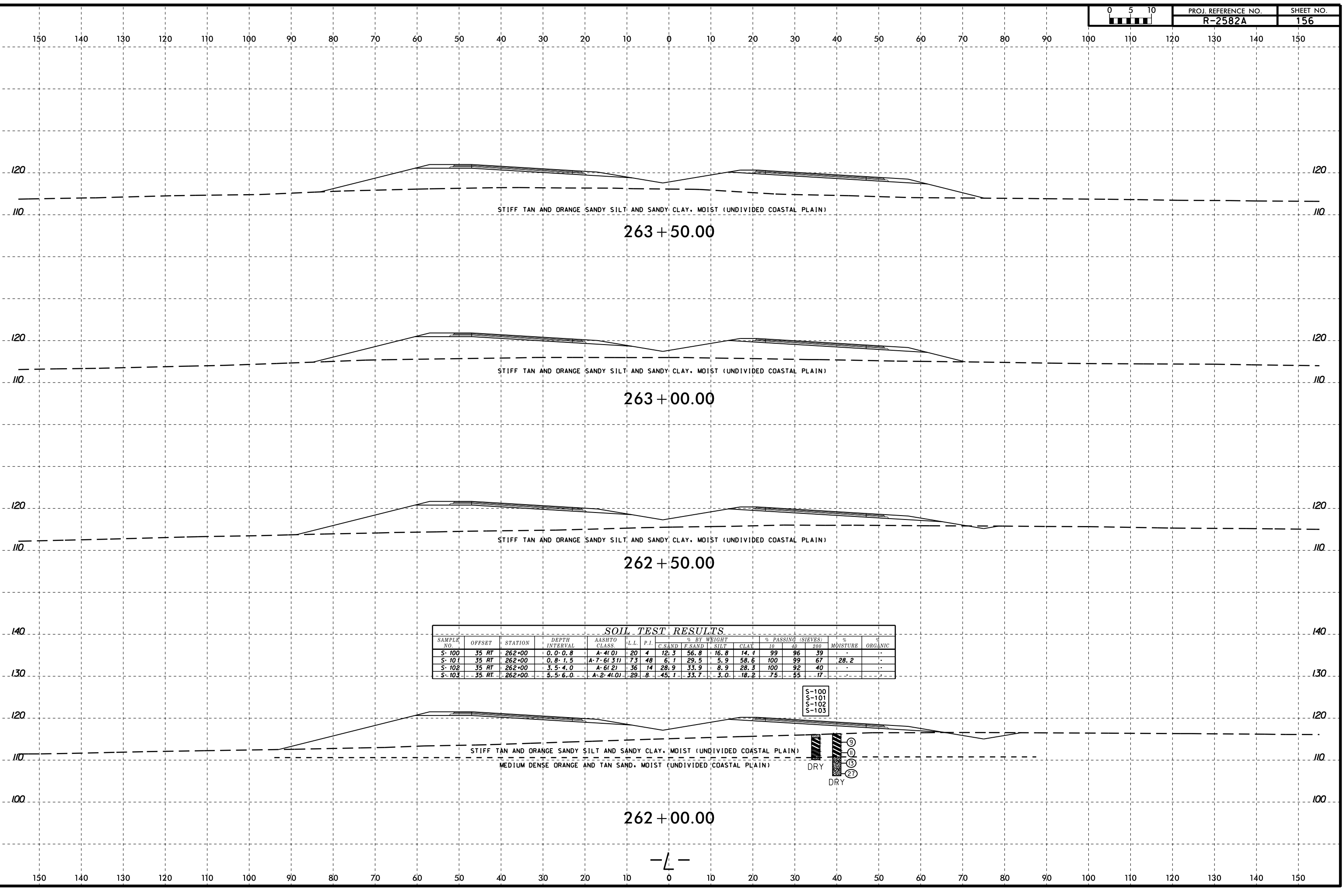
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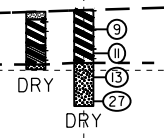


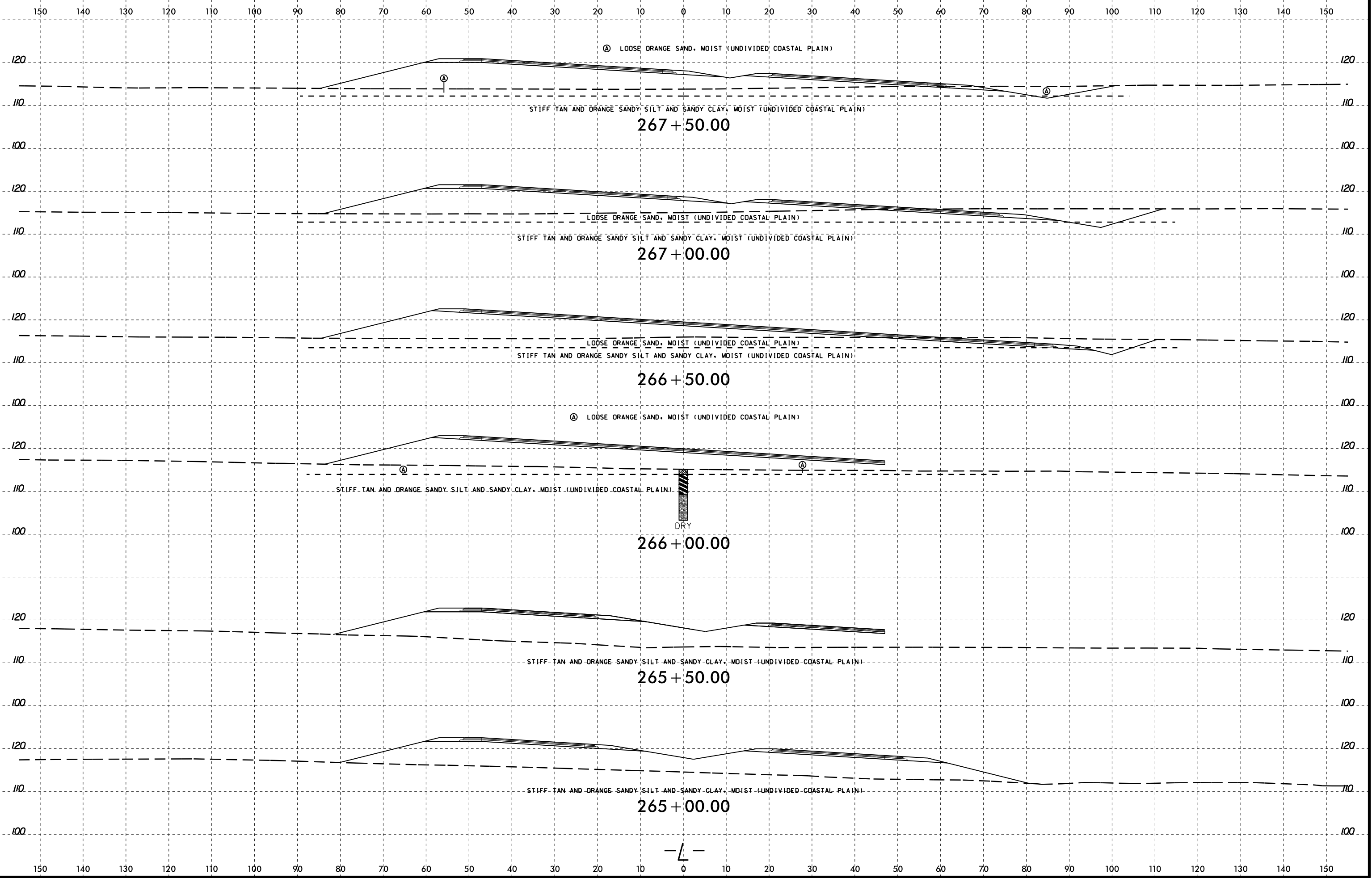
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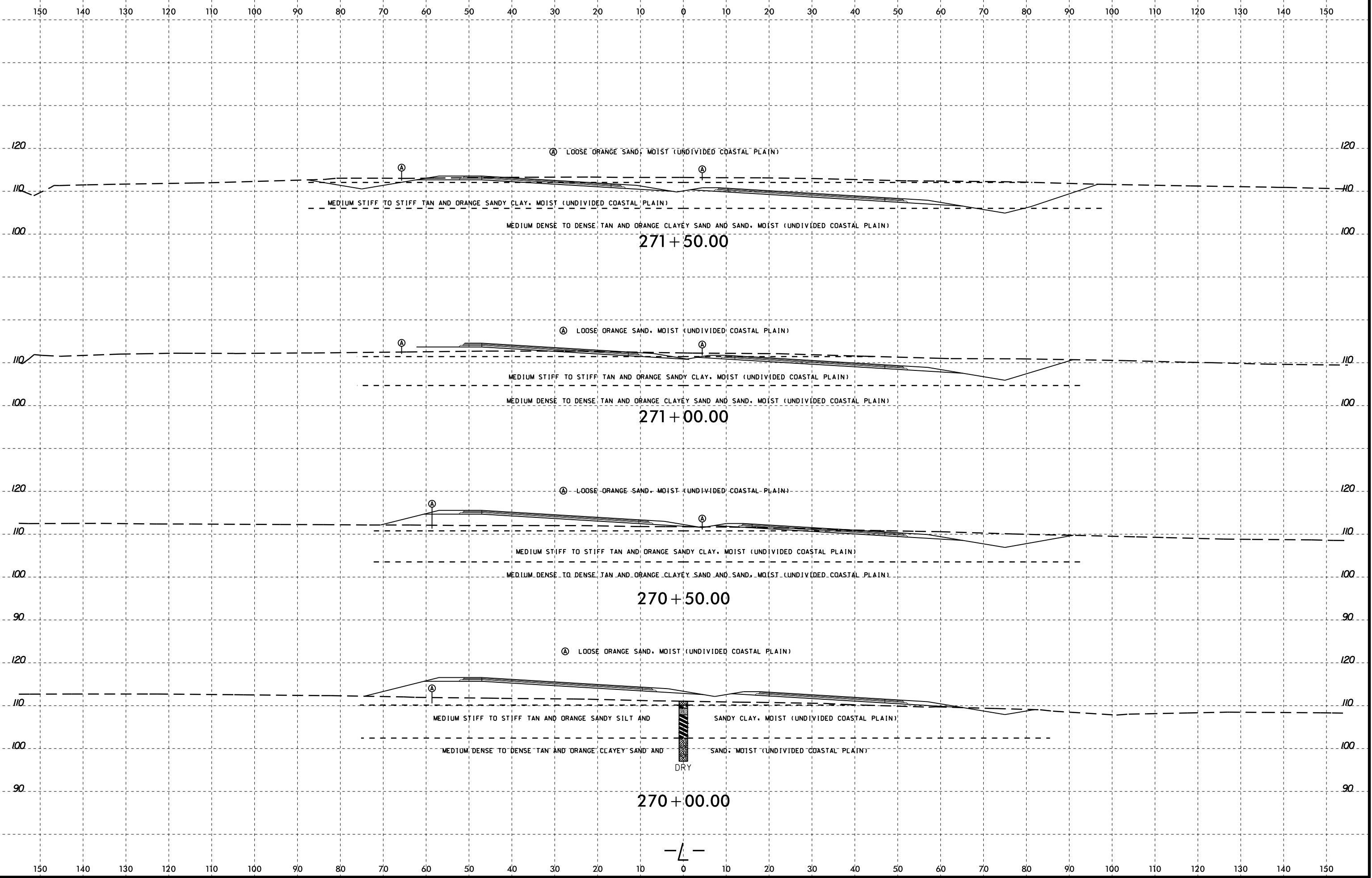


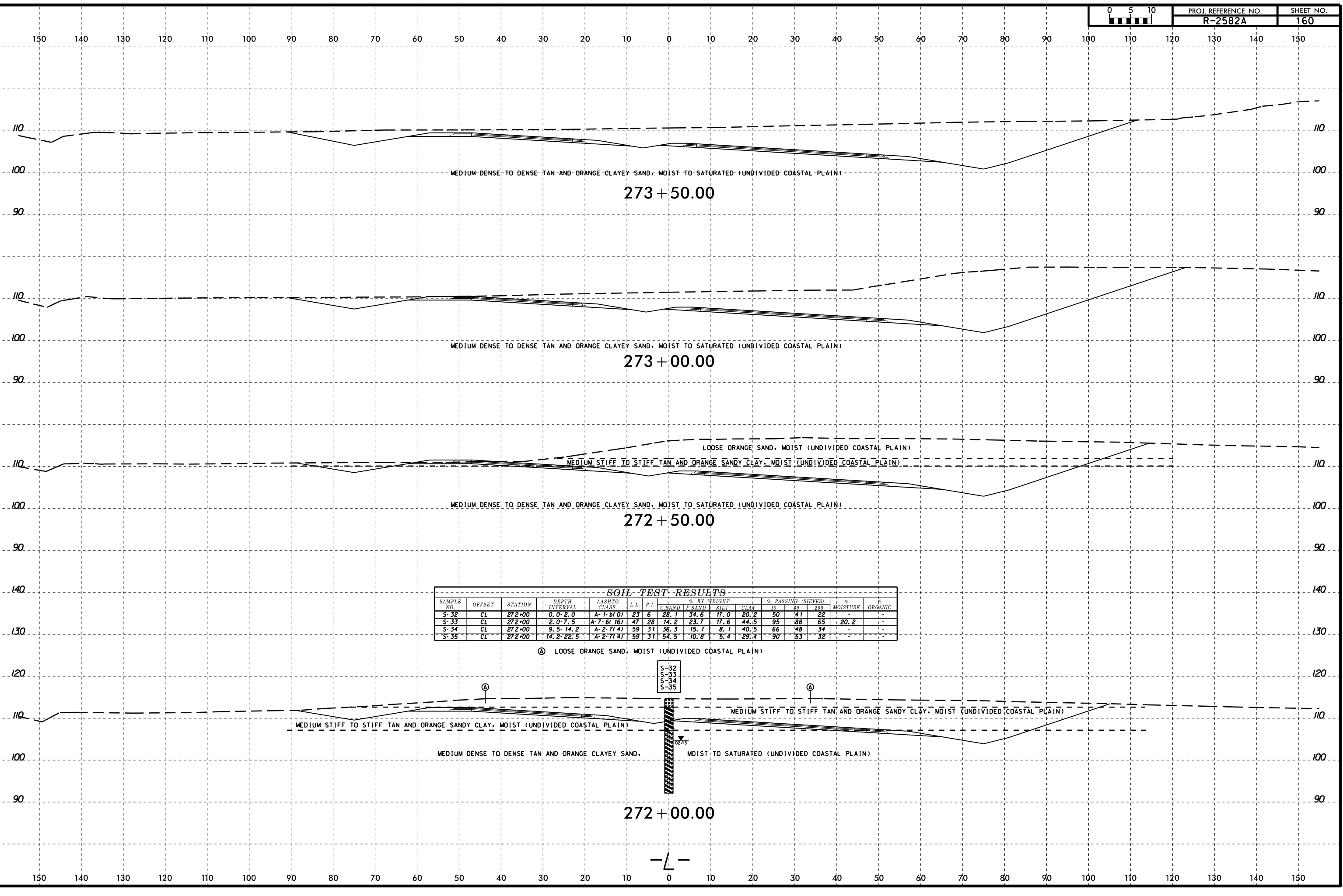
SOIL TEST RESULTS														
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L.L.	P.I.	% BY WEIGHT			% PASSING (SIEVES)		MOISTURE	ORGANIC	
							C. SAND	F. SAND	CLAY	#10	#200			
S-100	35 RT	262+00	0.0-0.8	A-4(0)	20	4	12.3	56.8	16.8	14.1	99	96	39	-
S-101	35 RT	262+00	0.8-1.5	A-7-6(31)	73	48	6.1	29.5	5.9	58.6	100	99	67	28.2
S-102	35 RT	262+00	3.5-4.0	A-6(2)	36	14	28.9	33.9	8.9	28.3	100	92	40	-
S-103	35 RT	262+00	5.5-6.0	A-2-4(0)	29	8	45.1	33.7	3.0	18.2	75	55	17	-

S-100
S-101
S-102
S-103







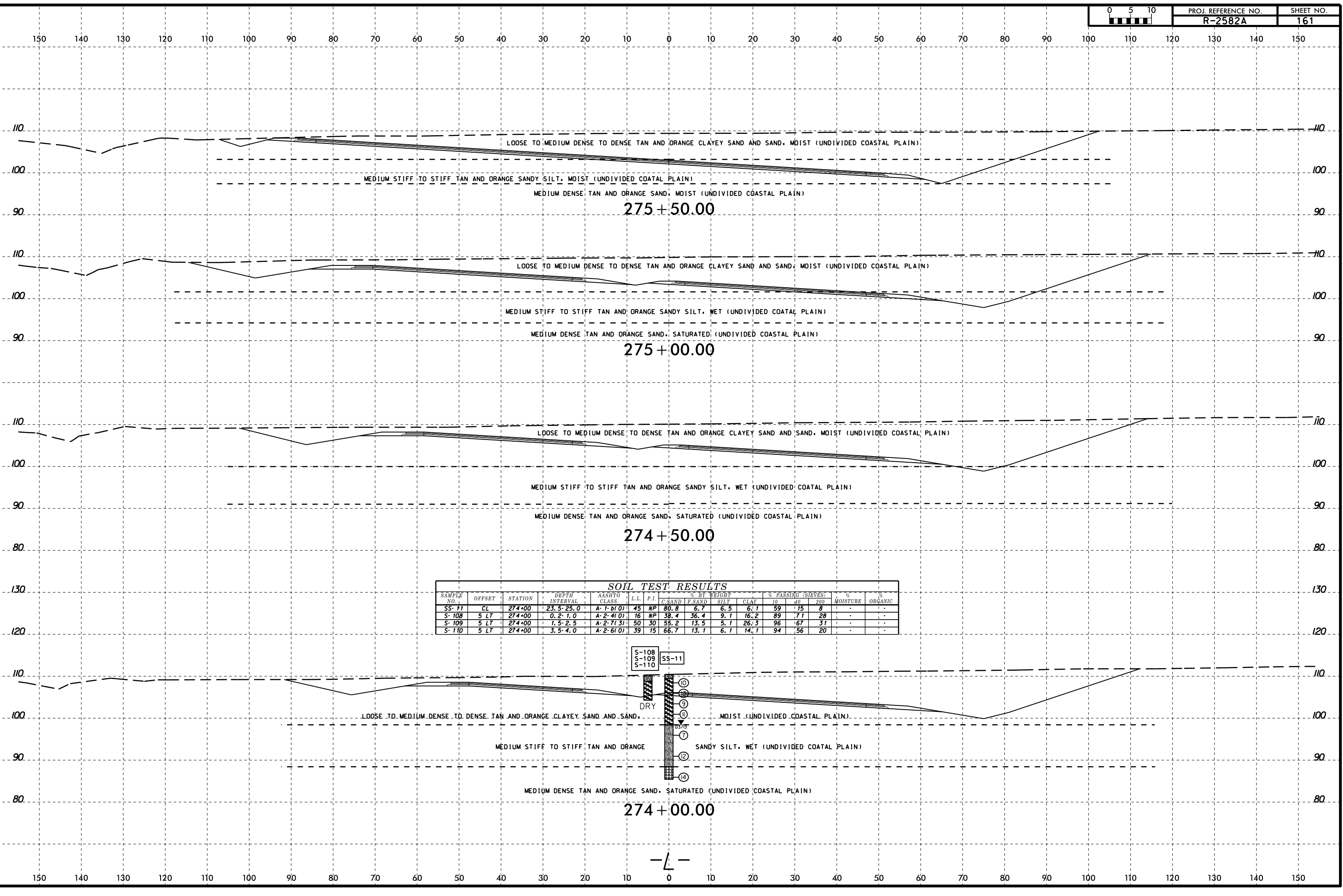


SOIL TEST RESULTS

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-32	CL	272+00	0.0-2.0	A-1-b(0)	23	6	28.1	34.6	17.0	20.2	50	41	22	-	-
S-33	CL	272+00	2.0-7.5	A-7-6(16)	47	28	14.2	23.7	17.6	44.5	95	88	65	20.2	-
S-34	CL	272+00	9.5-14.2	A-2-7(4)	59	31	36.3	15.1	8.1	40.5	66	48	34	-	-
S-35	CL	272+00	14.2-22.5	A-2-7(4)	59	31	54.5	10.8	5.4	29.4	90	53	32	-	-

Ⓐ LOOSE ORANGE SAND, MOIST (UNDIVIDED COASTAL PLAIN)



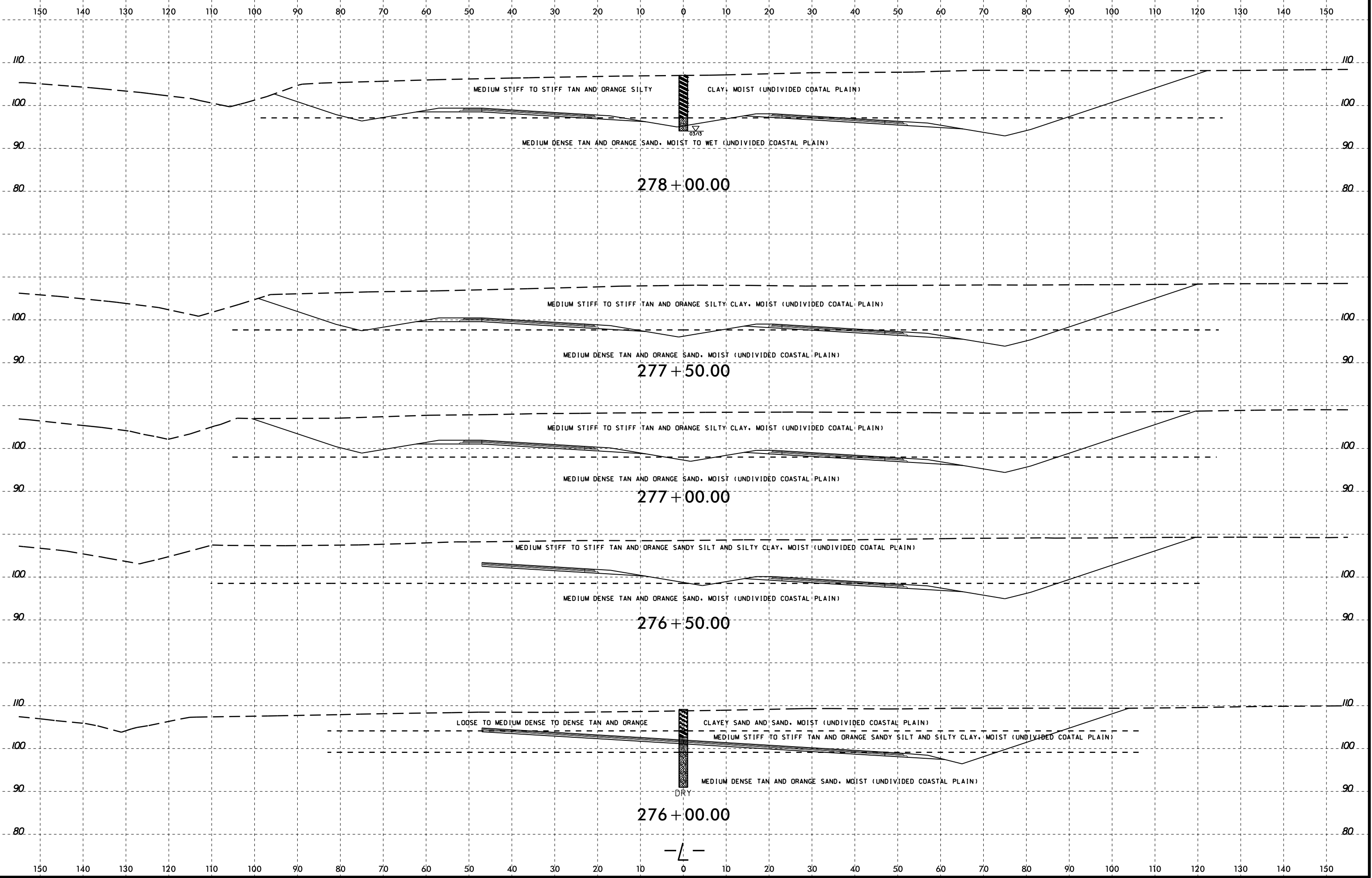


SOIL TEST RESULTS

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	WET	SHRUNK		
SS-11	CL	274+00	23.5-25.0	A-1-B(0)	45	NP	80.8	6.7	6.5	6.1	59	15	8	-	-	-	-
S-108	5 LT	274+00	0.2-1.0	A-2-4(0)	16	NP	38.4	36.4	9.1	16.2	89	71	28	-	-	-	-
S-109	5 LT	274+00	1.5-2.5	A-2-7(3)	50	30	55.2	13.5	5.1	26.3	96	67	31	-	-	-	-
S-110	5 LT	274+00	3.5-4.0	A-2-6(0)	39	15	66.7	13.1	6.1	14.1	94	56	20	-	-	-	-

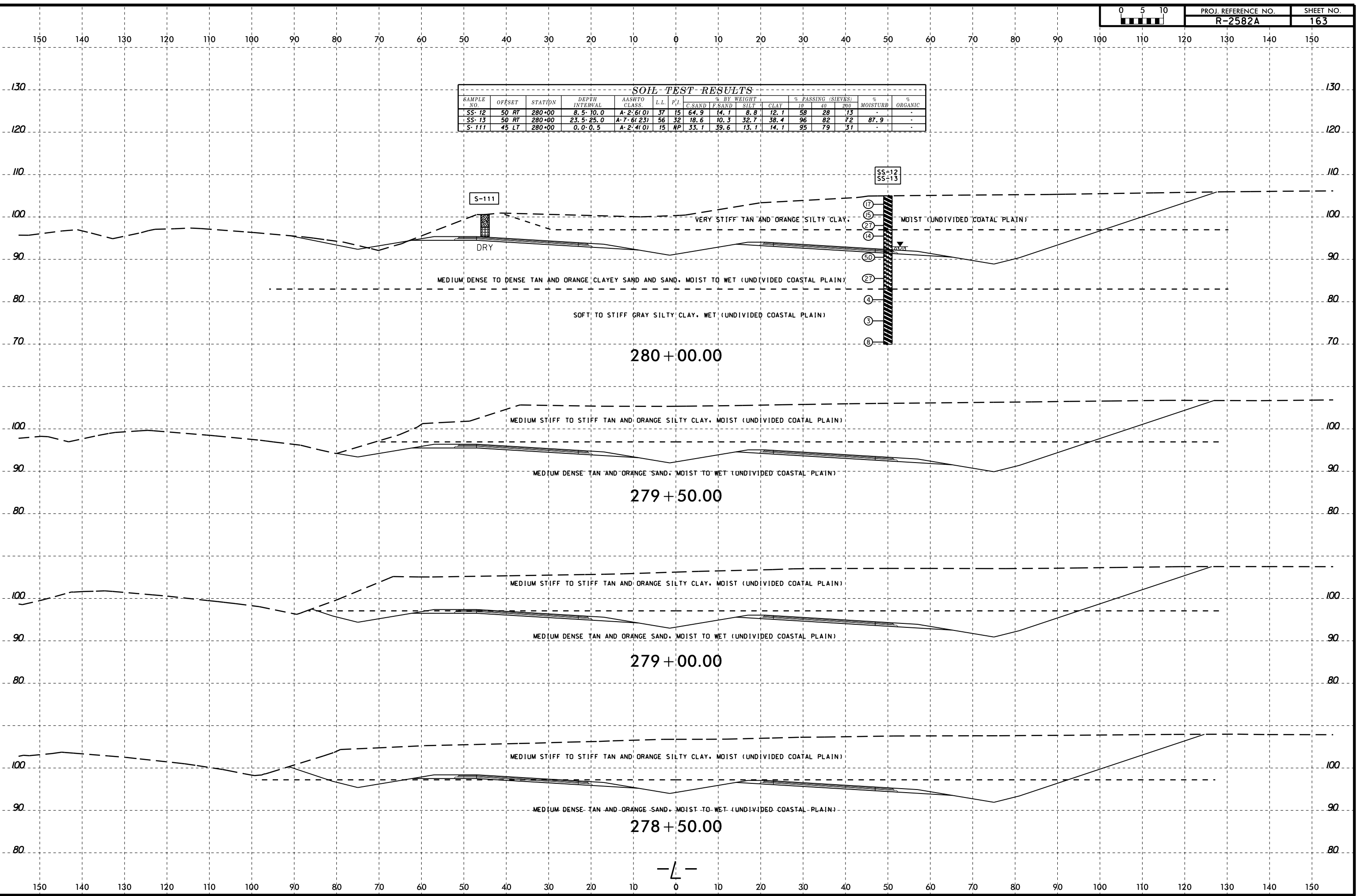
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 Co: Turner

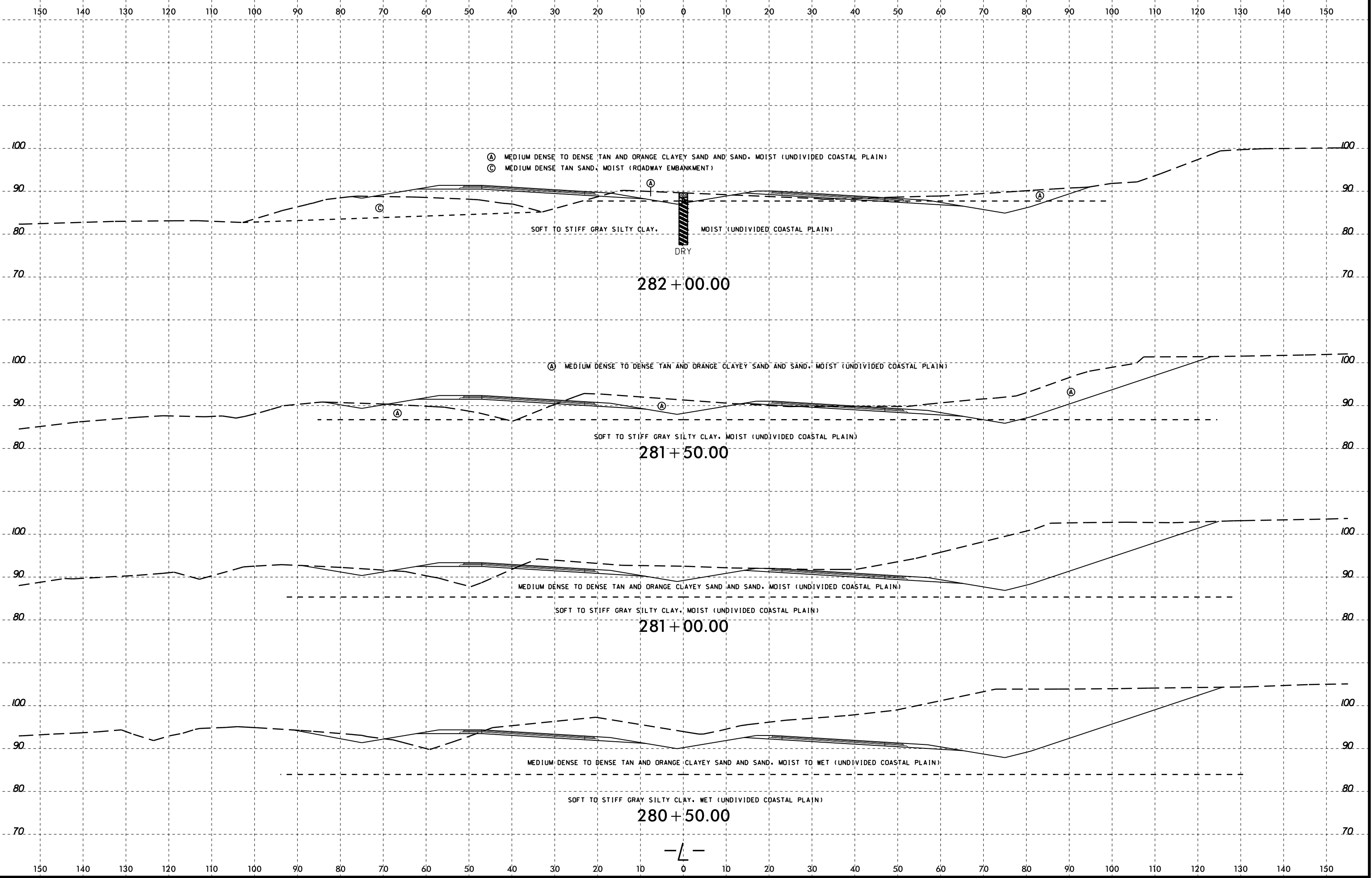
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 At: 06/27/2016
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SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT			% PASSING (SIEVES)			% MOISTURE	% ORGANIC	
							C. SAND	F. SAND	SILT + CLAY	10	40	200			
SS-12	50 RT	280+00	8.5-10.0	A-2(6)0	37	15	64.9	14.1	8.8	12.1	58	28	13	-	-
SS-13	50 RT	280+00	23.5-25.0	A-7(6)2(3)	56	32	18.6	10.3	32.7	38.4	96	82	72	87.9	-
S-111	45 LT	280+00	0.0-0.5	A-2(4)0	15	NP	33.1	39.6	13.1	14.1	95	79	31	-	-





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	3 LT	284+00	0.0-2.6	A-2(4)0	18	2	38.5	35.9	11.4	14.2	86	67	26		
S-54	3 LT	284+00	2.6-6.0	A-2(4)	30	9	14.4	20.5	30.6	34.5	94	85	66	26.3	

- (A) MEDIUM DENSE TO DENSE TAN AND ORANGE SAND, MOIST TO SATURATED (UNDIVIDED COASTAL PLAIN)
- (C) MEDIUM DENSE TAN SAND, MOIST (ROADWAY EMBANKMENT)

S-53
S-54

SOFT TO STIFF TAN AND ORANGE CLAYEY SILT, WET (UNDIVIDED COASTAL PLAIN)

284 + 00.00

(C) MEDIUM DENSE TAN SAND, MOIST (ROADWAY EMBANKMENT)

SOFT TO STIFF GRAY SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

283 + 50.00

(C) MEDIUM DENSE TAN SAND, MOIST (ROADWAY EMBANKMENT)

SOFT TO STIFF GRAY SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

283 + 00.00

(C) MEDIUM DENSE TAN SAND, MOIST (ROADWAY EMBANKMENT)

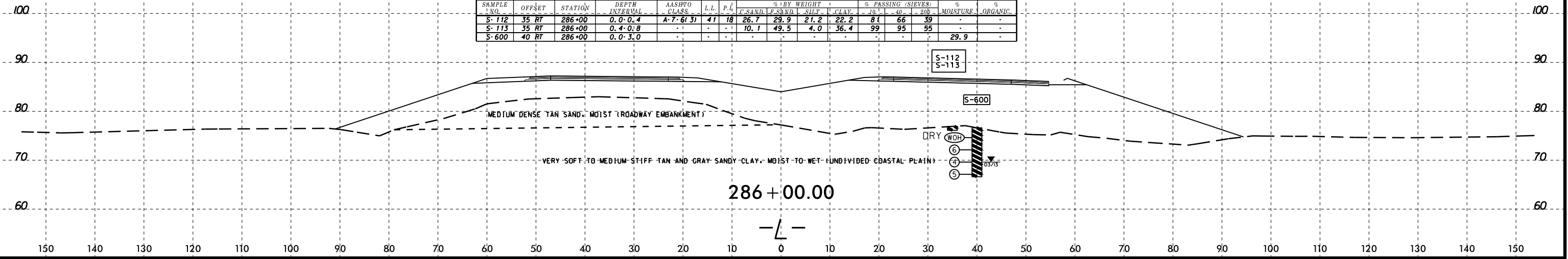
SOFT TO STIFF GRAY SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

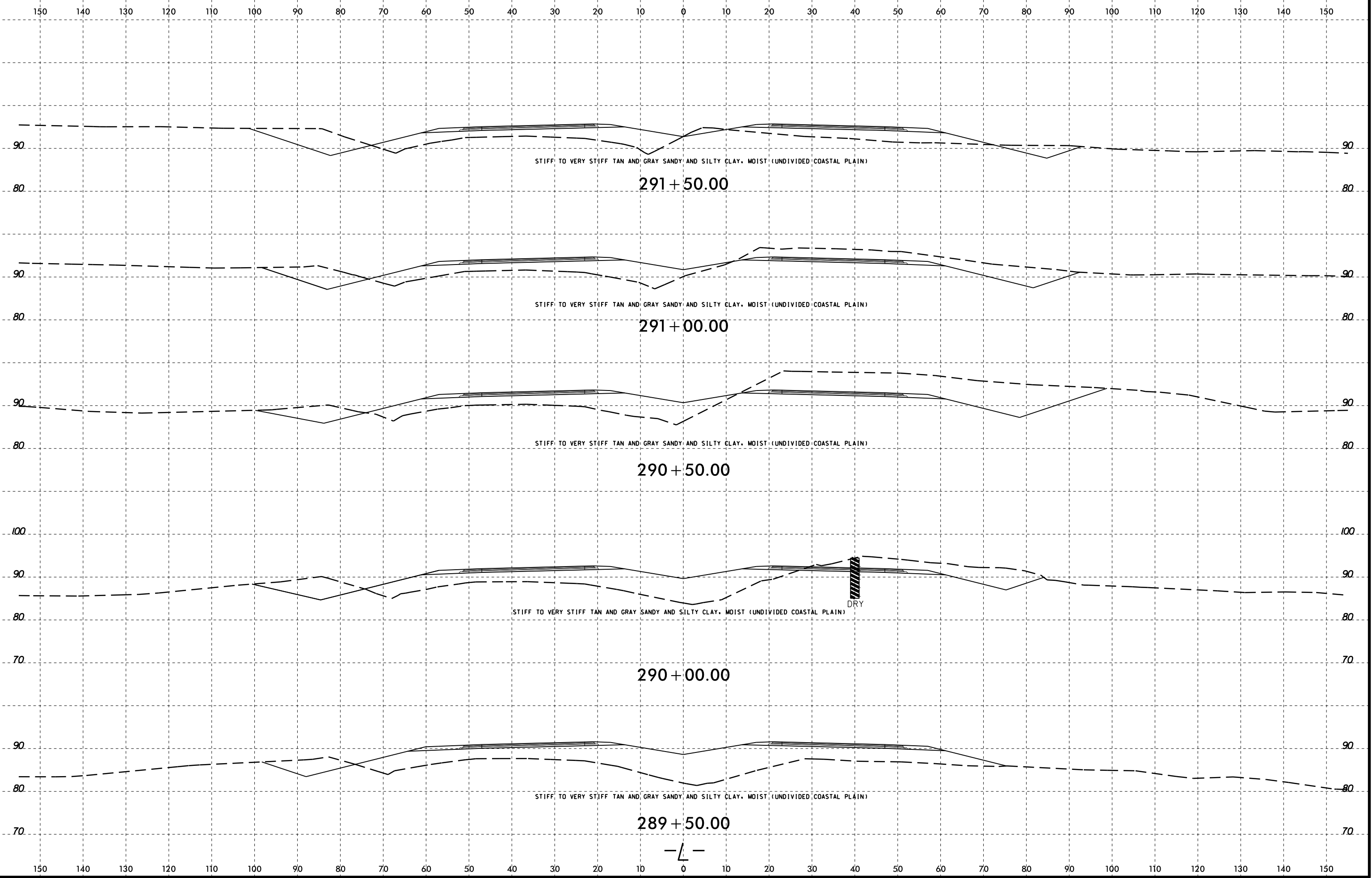
282 + 50.00

-L-

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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-112	35 RT	286+00	0.0-0.4	A-7-6(3)	41	18	26.7	29.9	21.2	22.2	81	66	39	-	-
S-113	35 RT	286+00	0.4-0.8	-	-	-	10.1	49.5	4.0	36.4	99	95	55	-	-
S-600	40 RT	286+00	0.0-3.0	-	-	-	-	-	-	-	-	-	-	29.9	-

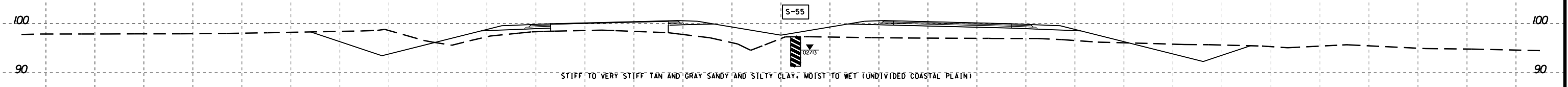




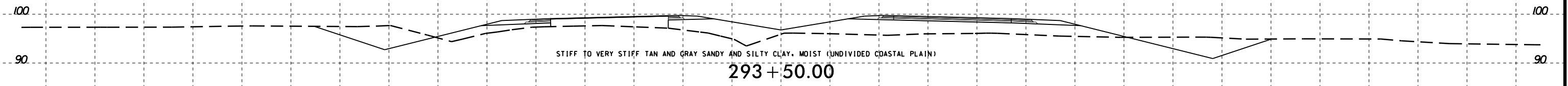
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At: 10:44
By: GEG77330
G.P. Turner

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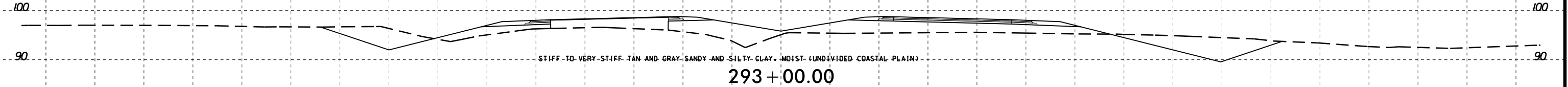
SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L.L.	P.I.	% BY WEIGHT			% PASSING (SIEVES)			% MOISTURE	% ORGANIC	
							C SAND	F SAND	SILT	CLAY	10	40			200
S-55	3 RT	294+00	0.0-6.0	A-7-6(16)	46	20	3.0	27.0	21.3	48.7	100	99	77	25.8	



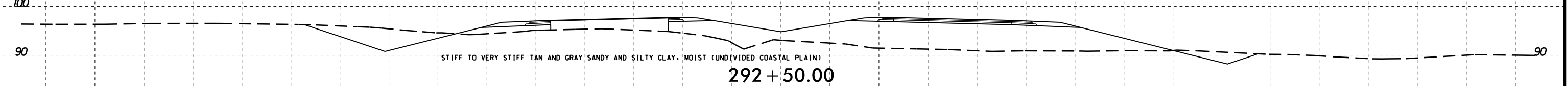
294+00.00



293+50.00

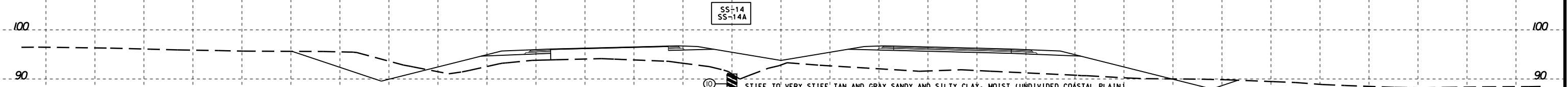


293+00.00



292+50.00

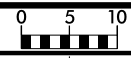
SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L.L.	P.I.	% BY WEIGHT			% PASSING (SIEVES)			% MOISTURE	% ORGANIC	
							C SAND	F SAND	SILT	CLAY	10	40			200
SS-14	10 LT	292+00	1.0-2.5	A-7-6(22)	49	29	7.3	21.4	26.9	44.4	100	98	76	32.3	
SS-14A	10 LT	292+00	6.0-7.5	A-2-4(0)	18	NP	21.9	57.9	12.1	8.1	100	96	27		



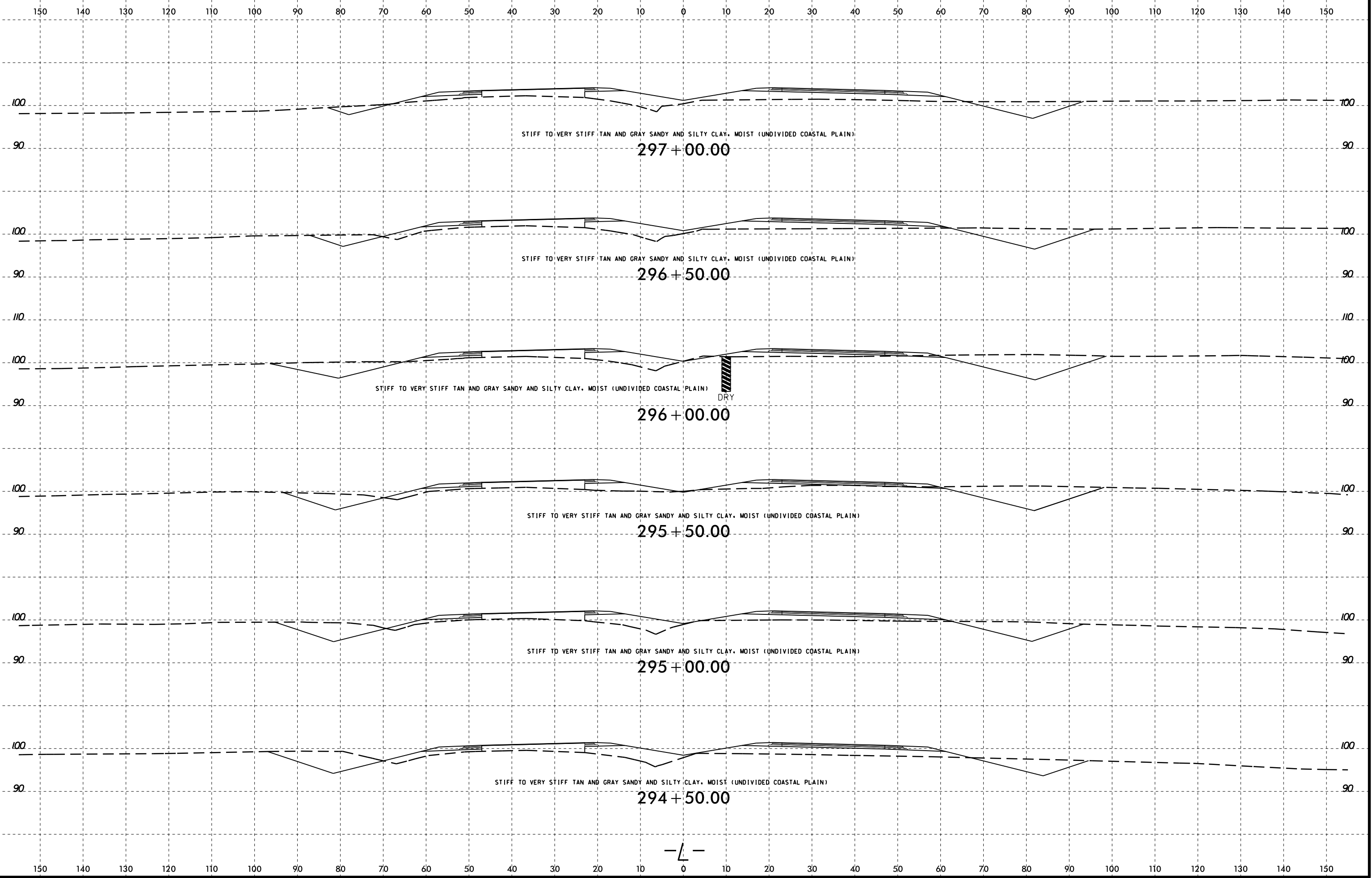
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8/23/99

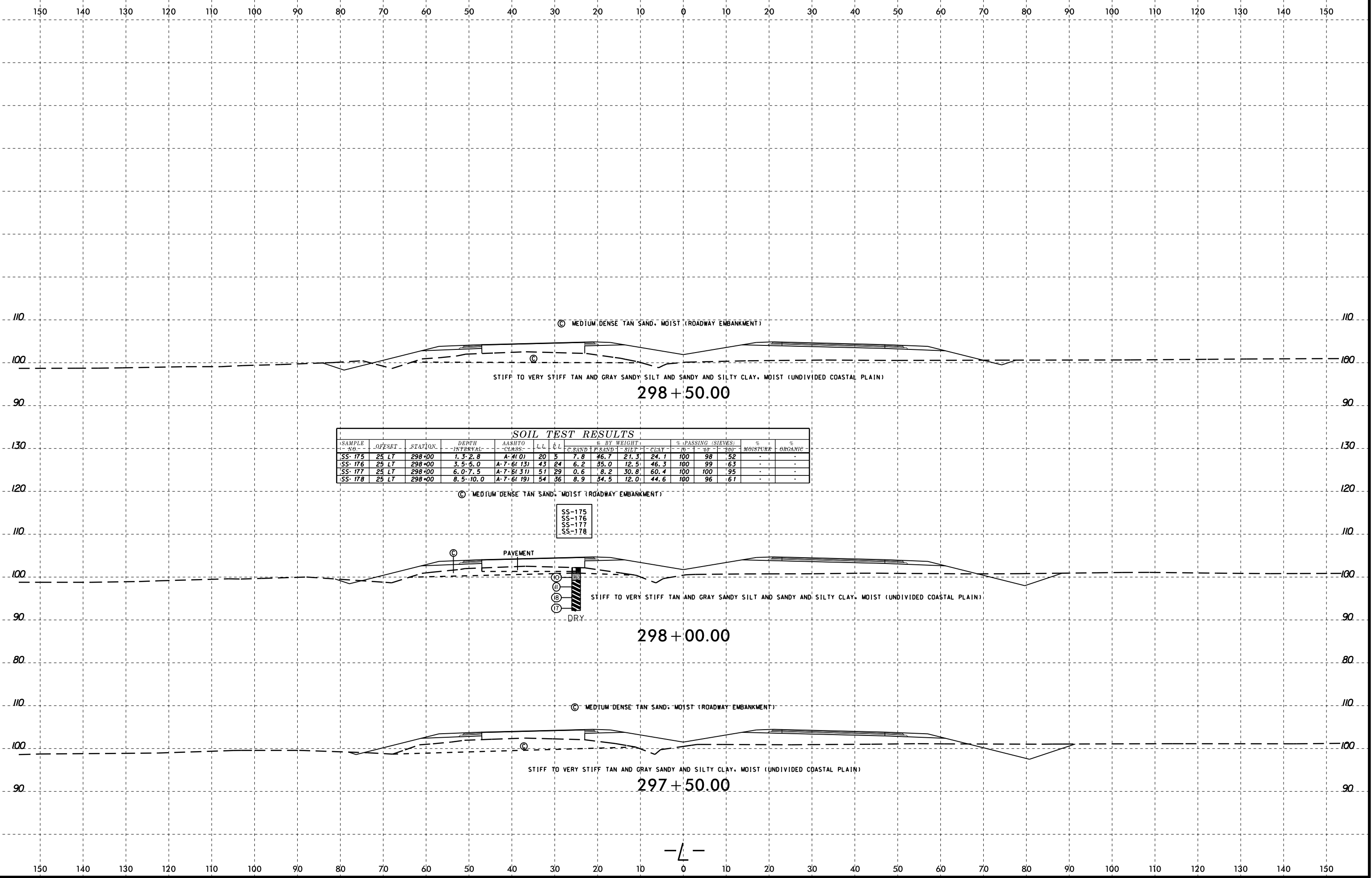


PROJ. REFERENCE NO.	SHEET NO.
R-2582A	169



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Atty: GEG/7/23/99
G. Turner

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SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	LL	PL	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							C SAND	F SAND	SILT	CLAY	-75	-30	-200		
SS-175	25 LT	298+00	1.3-2.8	A-4(0)	20	5	7.8	46.7	21.3	24.1	100	98	52	-	-
SS-176	25 LT	298+00	3.5-5.0	A-7-6(13)	43	24	6.2	35.0	12.5	46.3	100	99	63	-	-
SS-177	25 LT	298+00	6.0-7.5	A-7-6(31)	51	29	0.6	8.2	30.8	60.4	100	100	95	-	-
SS-178	25 LT	298+00	8.5-10.0	A-7-6(19)	54	36	8.9	34.5	12.0	44.6	100	96	61	-	-

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 By: G. Turner

8/23/99

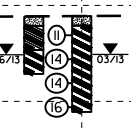
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SOIL TEST RESULTS															
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							C SAND	F SAND	SILT	CLAY	10	40	200		
S-114	45 FT RT	329+00	0.2-0.8	A-4(1)	22	7	14.1	38.4	15.2	32.3	100	96	52	-	-
S-115	45 FT RT	329+00	1.0-1.5	A-6(6)	29	17	13.7	36.8	15.2	34.3	100	96	55	18.6	-
S-116	45 FT RT	329+00	3.8-4.3	A-7-6(12)	44	27	14.1	34.3	9.1	42.4	100	97	56	20.9	-

© MEDIUM DENSE TAN SAND, MOIST (ROADWAY EMBANKMENT)

S-114
S-115
S-116

STIFF TO VERY STIFF TAN AND GRAY SANDY SILT AND SANDY CLAY, MOIST TO WET (UNDIVIDED COASTAL PLAIN)

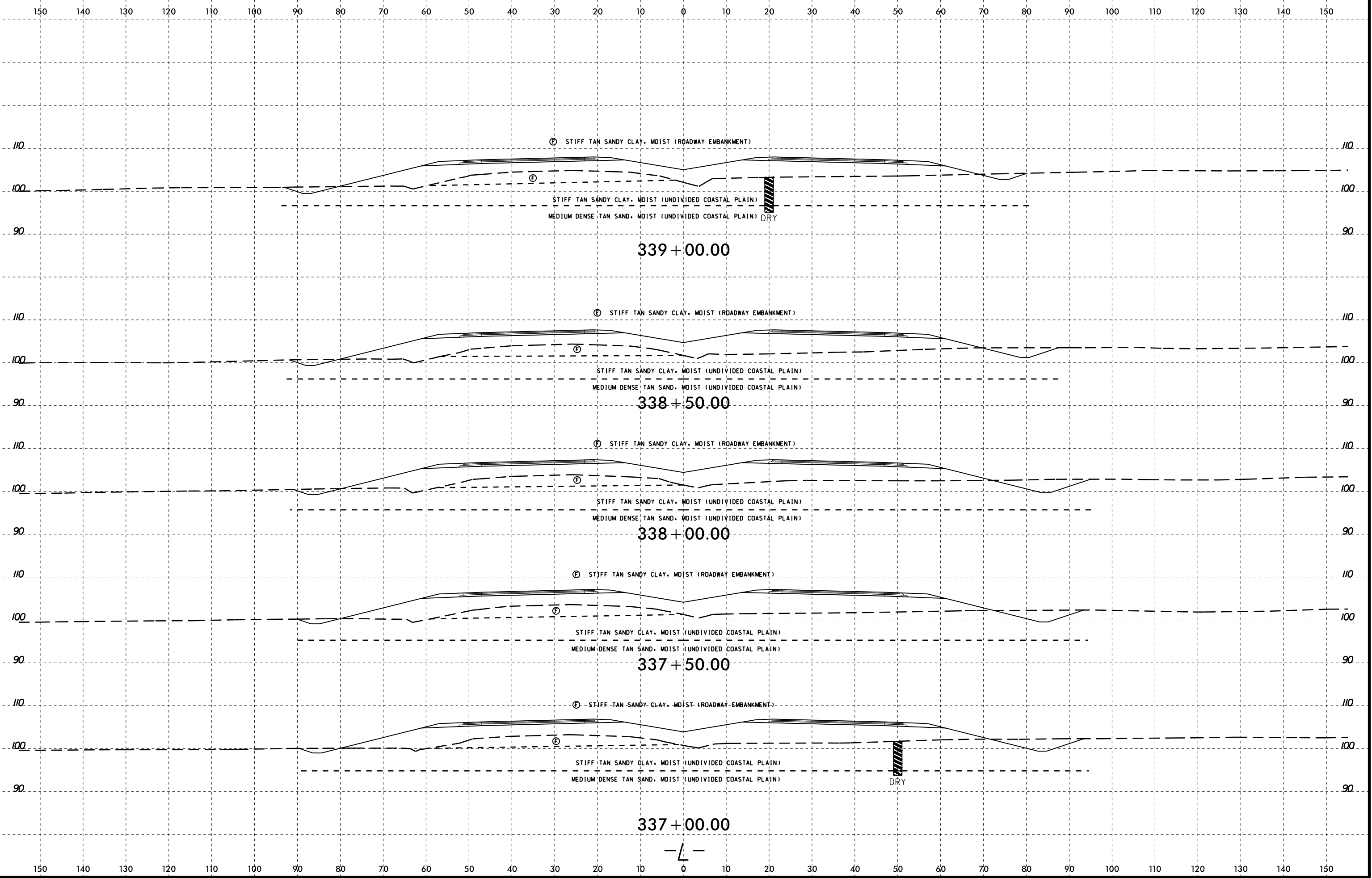


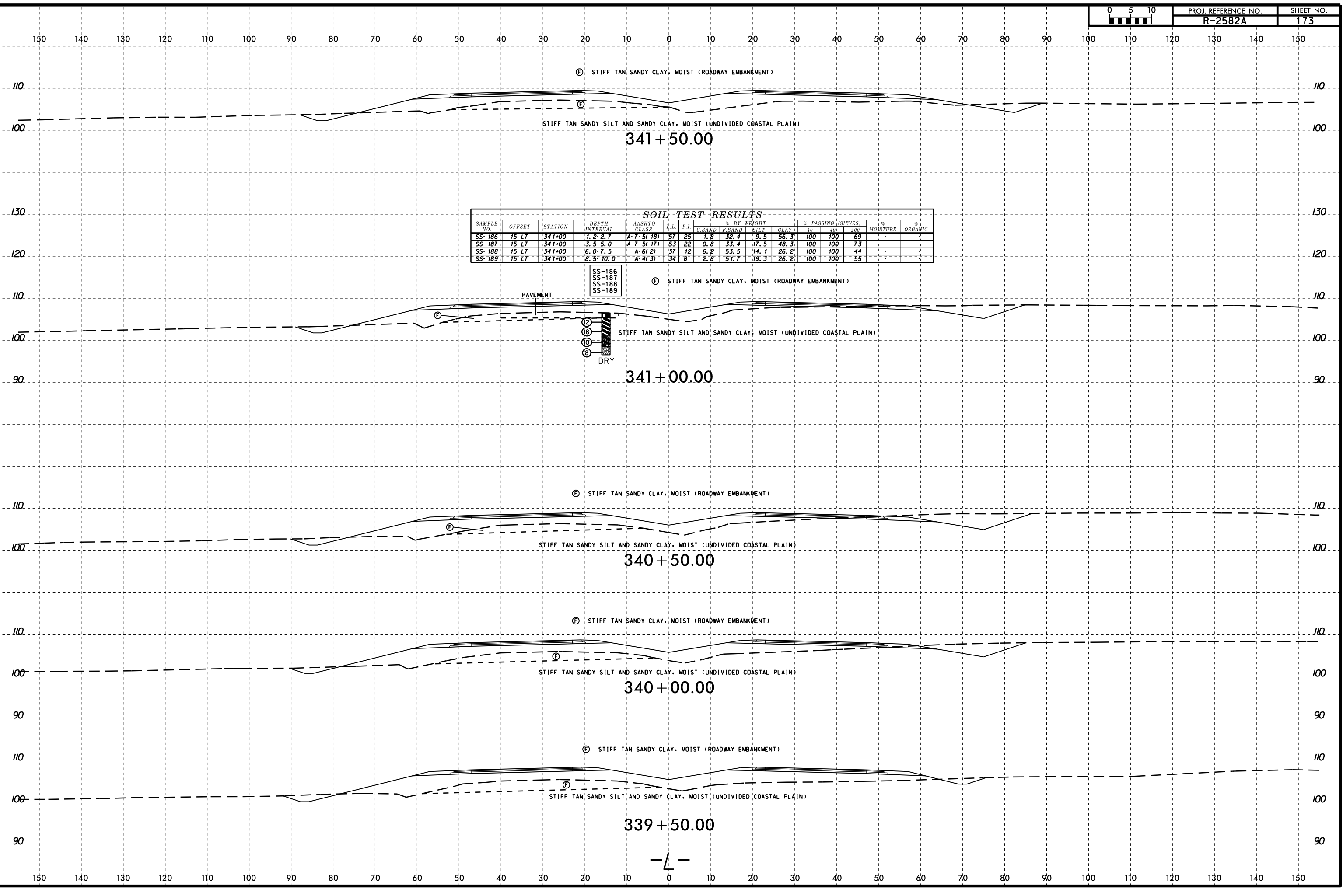
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By: G. Turner



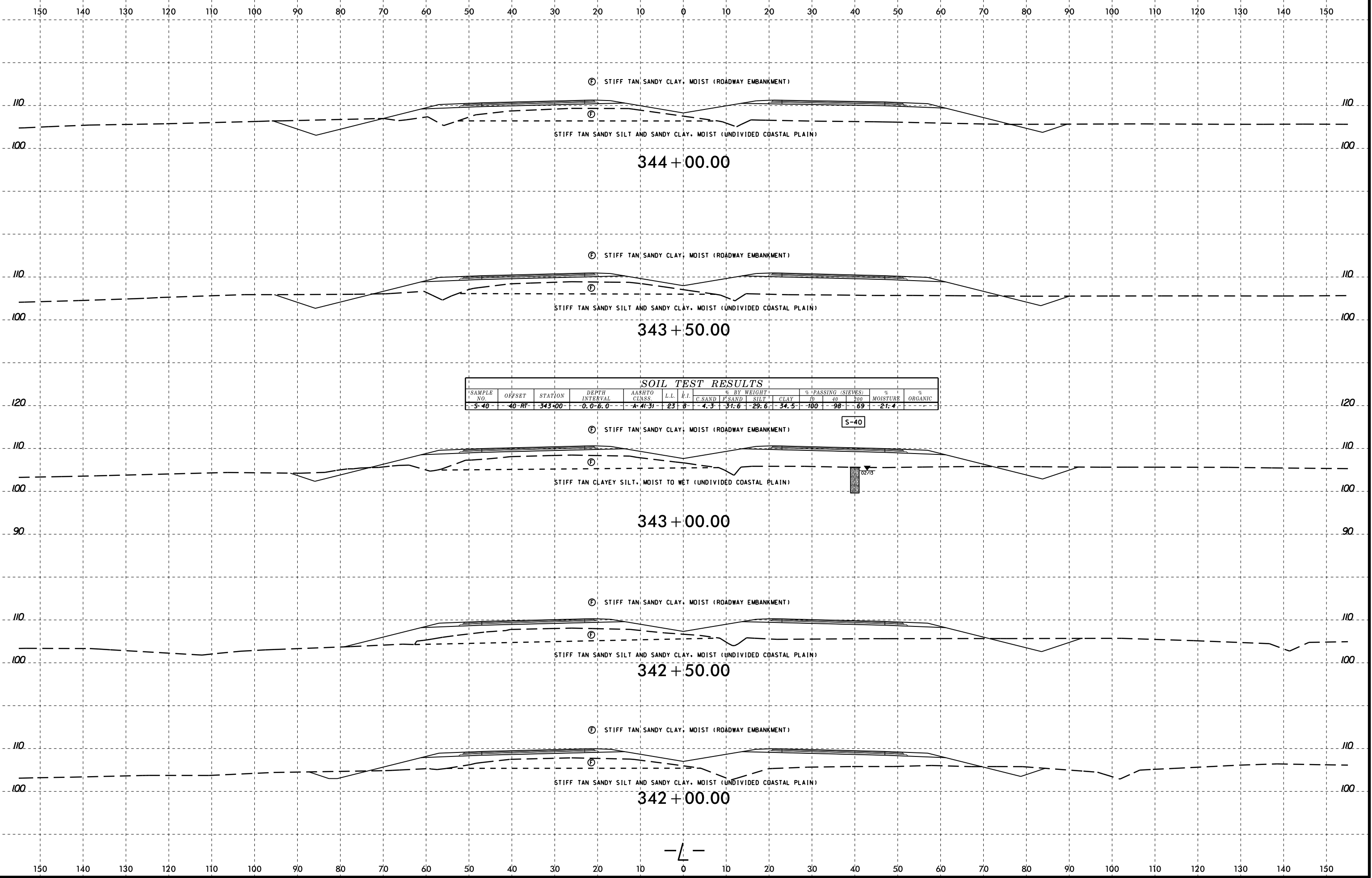


SOIL TEST RESULTS

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-186	15 LT	341+00	1.2-2.7	A-7-5(18)	57	25	1.8	32.4	9.5	56.3	100	100	69	-	-
SS-187	15 LT	341+00	3.5-5.0	A-7-5(17)	63	22	0.8	33.4	17.5	48.3	100	100	73	-	-
SS-188	15 LT	341+00	6.0-7.5	A-6(2)	37	12	6.2	53.5	14.1	26.2	100	100	44	-	-
SS-189	15 LT	341+00	8.5-10.0	A-4(3)	34	8	2.8	57.7	19.3	26.2	100	100	55	-	-

SS-186
SS-187
SS-188
SS-189





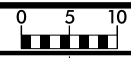
SOIL TEST RESULTS

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-40	40-RT	343+00	0.0-6.0	A-4(3)	23	8	4.3	31.6	29.6	34.5	100	98	69	21.4	

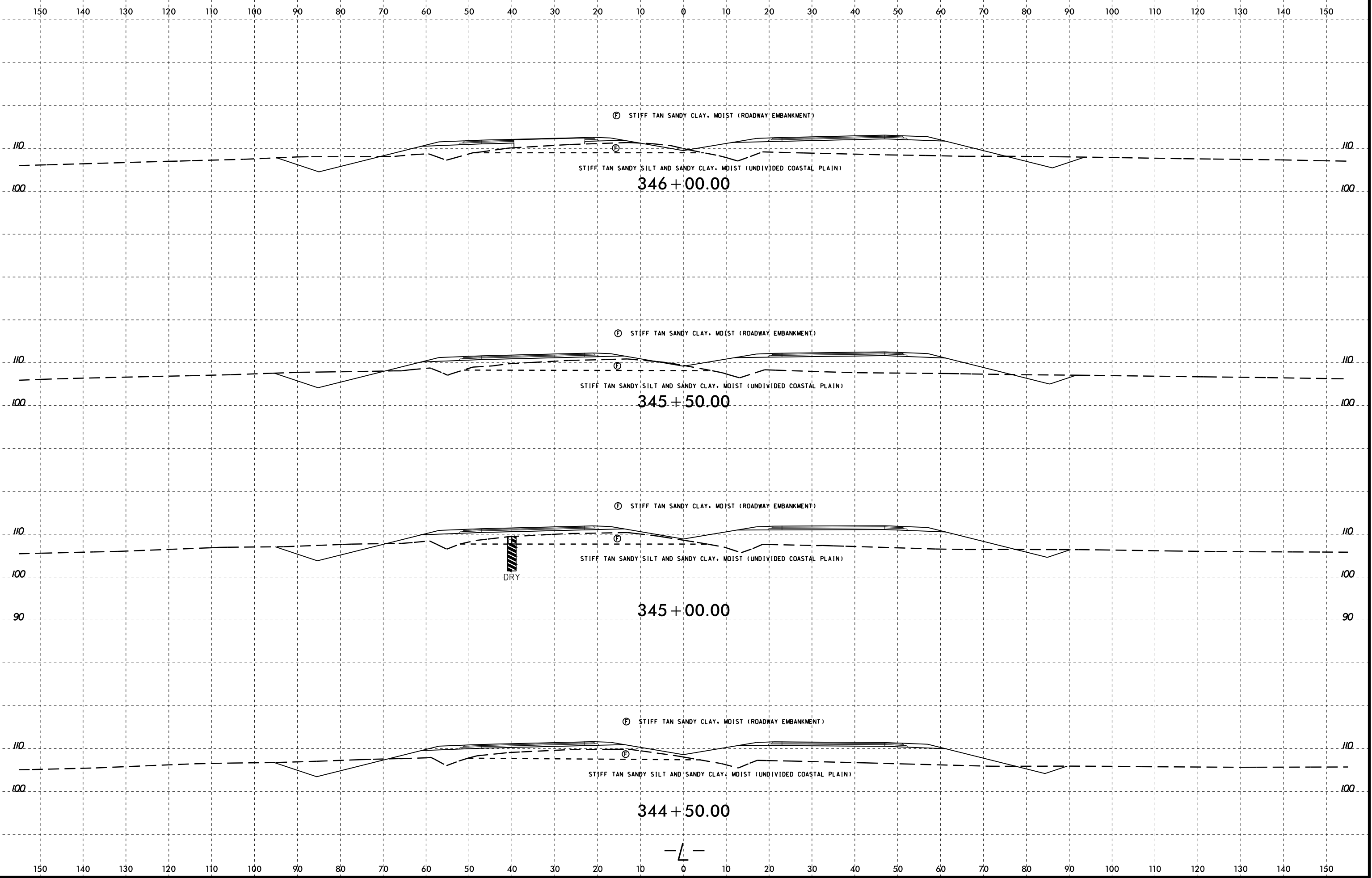
S-40



8/23/99

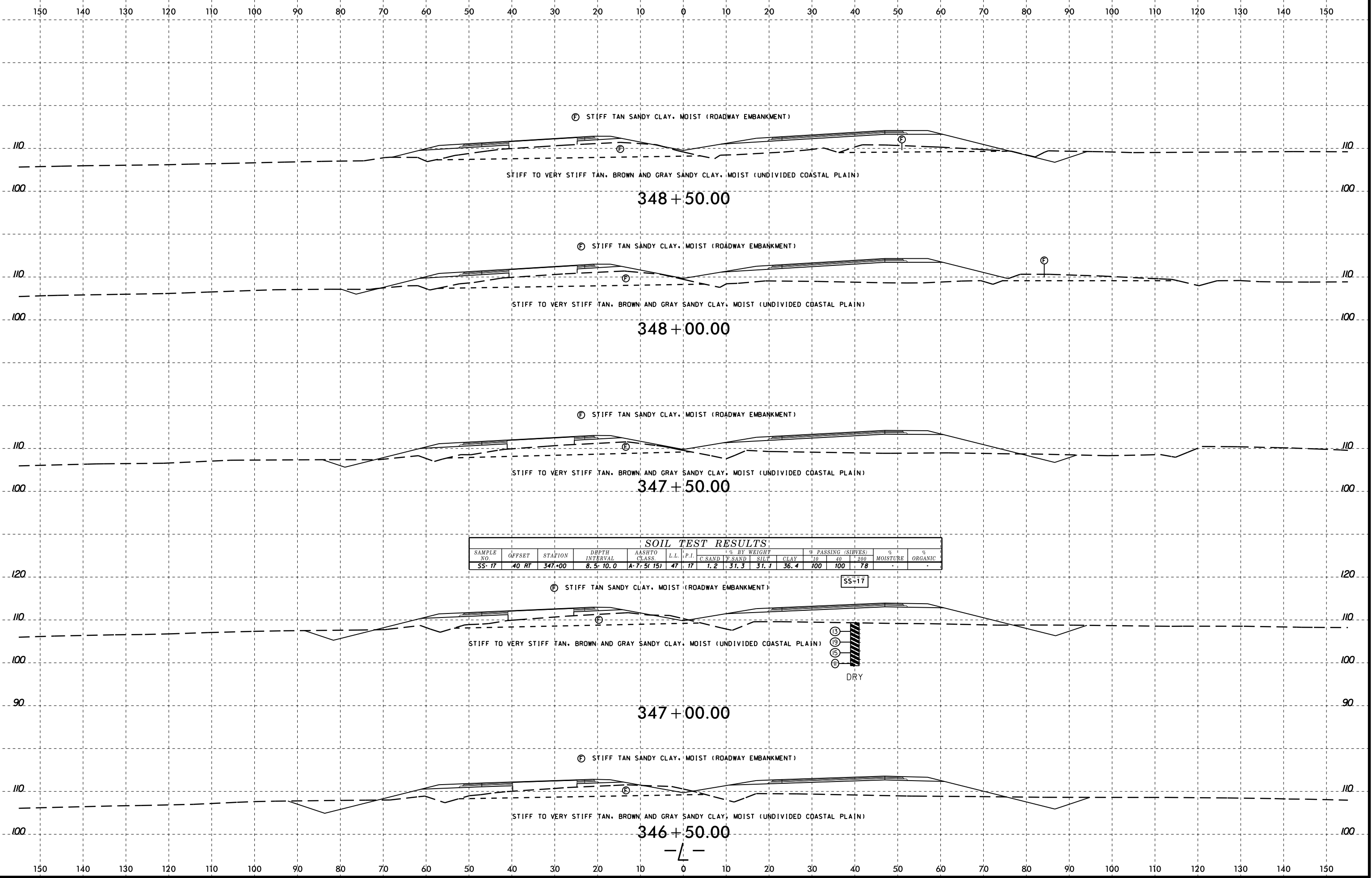


PROJ. REFERENCE NO.	SHEET NO.
R-2582A	175



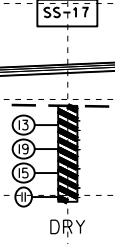
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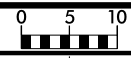


SOIL TEST RESULTS

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	#200		
SS-17	40 RT	347+00	8.5-10.0	A-7.5(15)	47	17	1.2	31.3	31.7	36.4	100	100	78	.

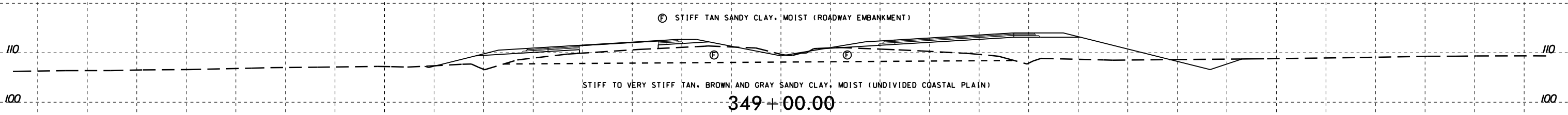
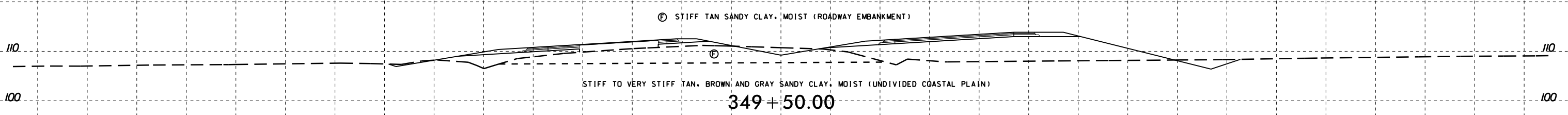
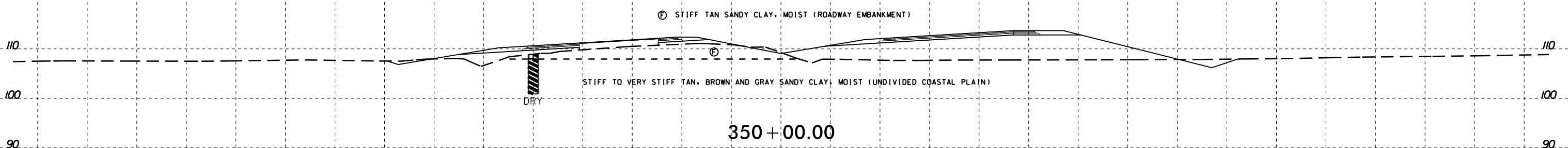
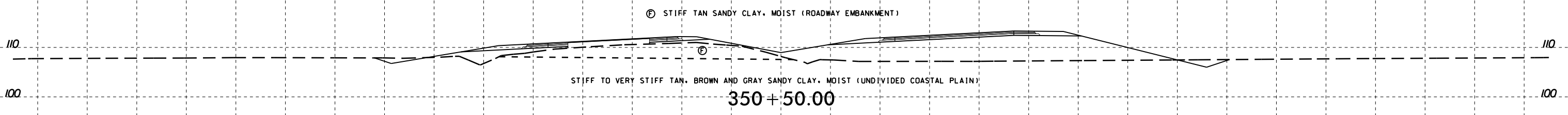
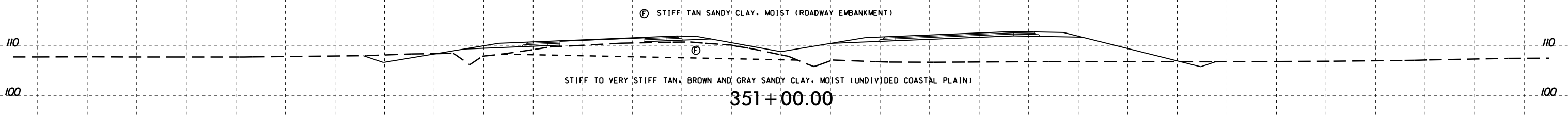


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PROJ. REFERENCE NO.	SHEET NO.
R-2582A	177

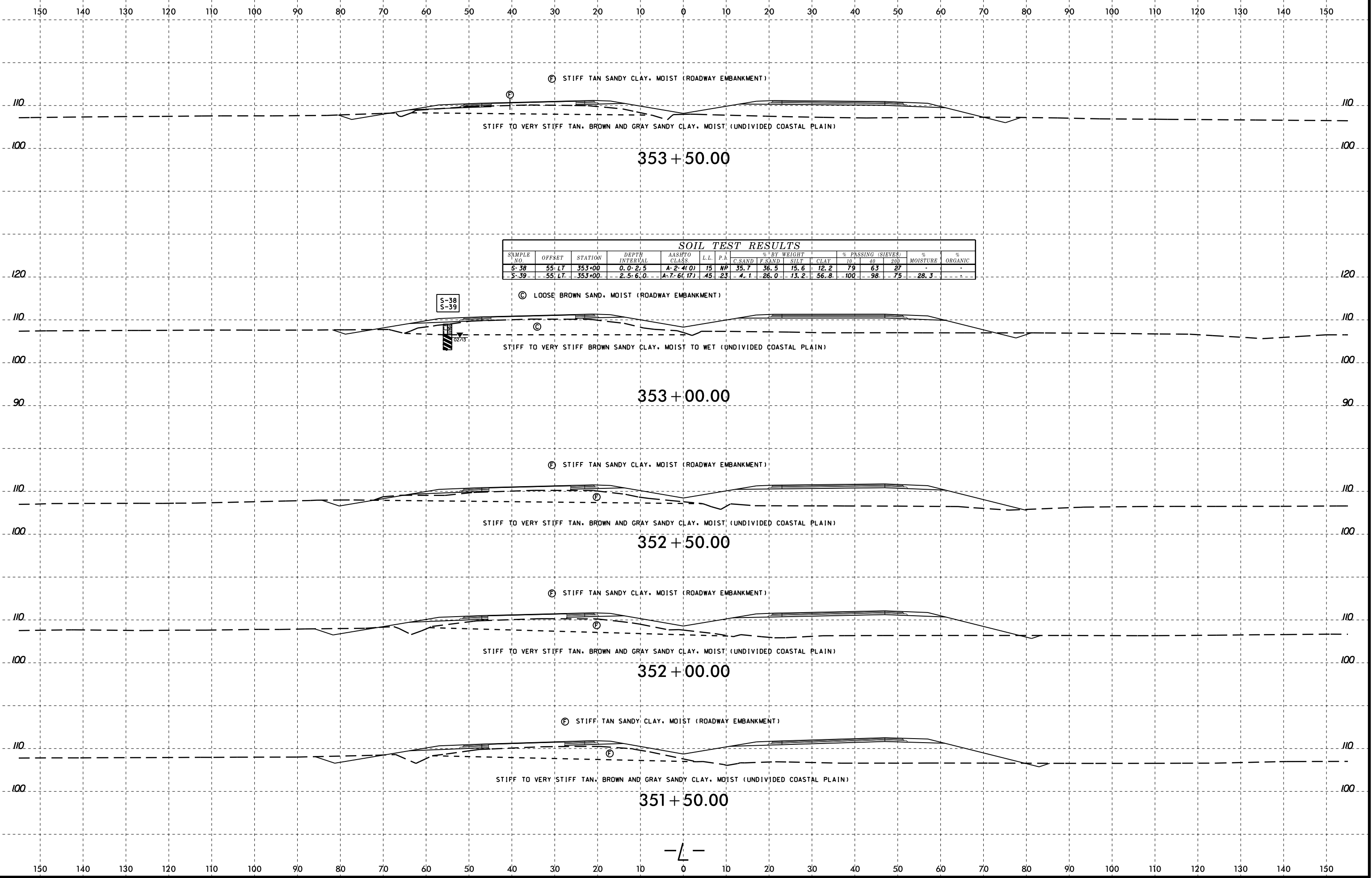
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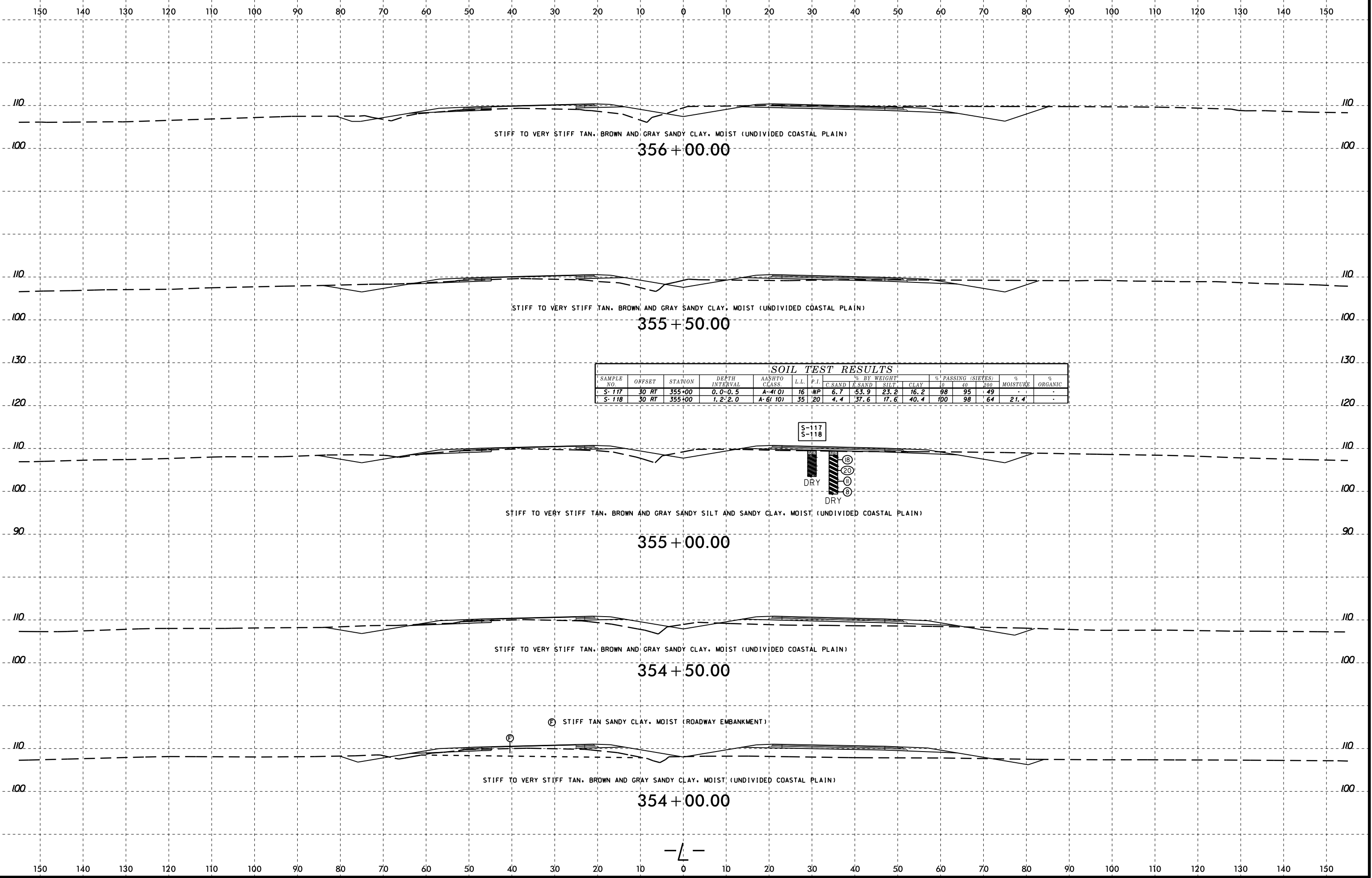


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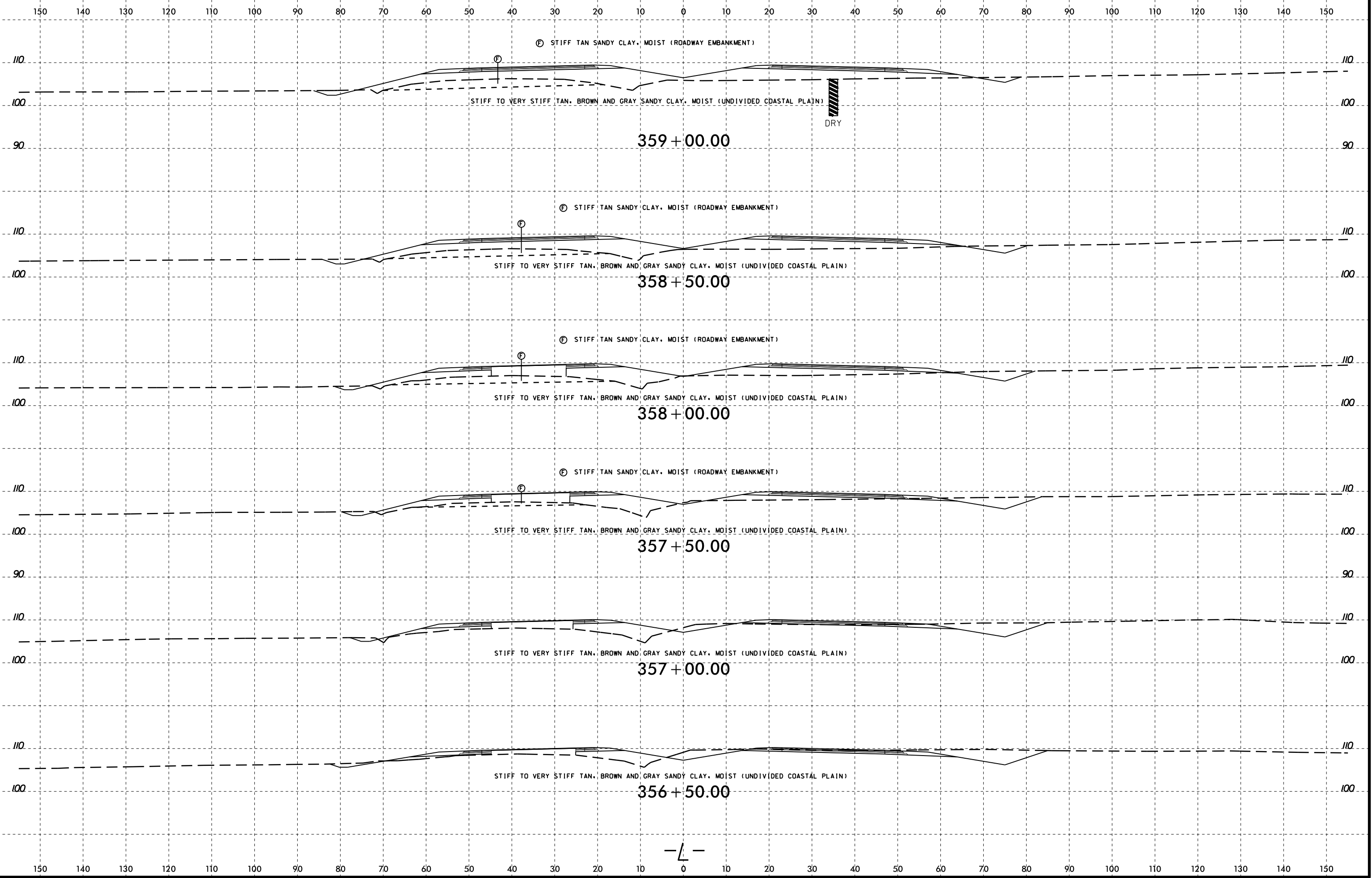
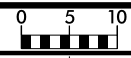
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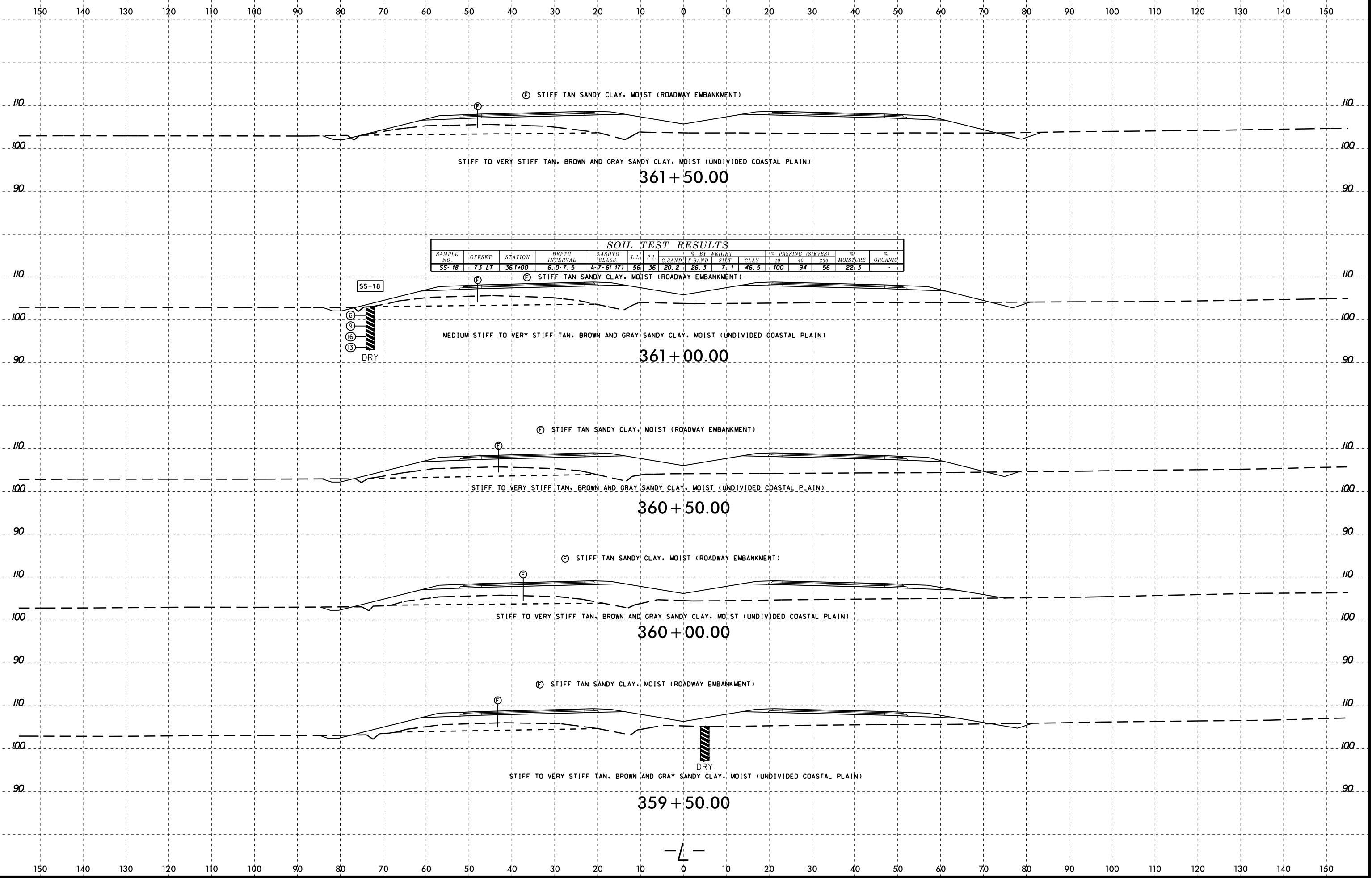


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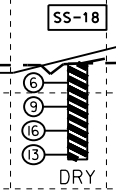


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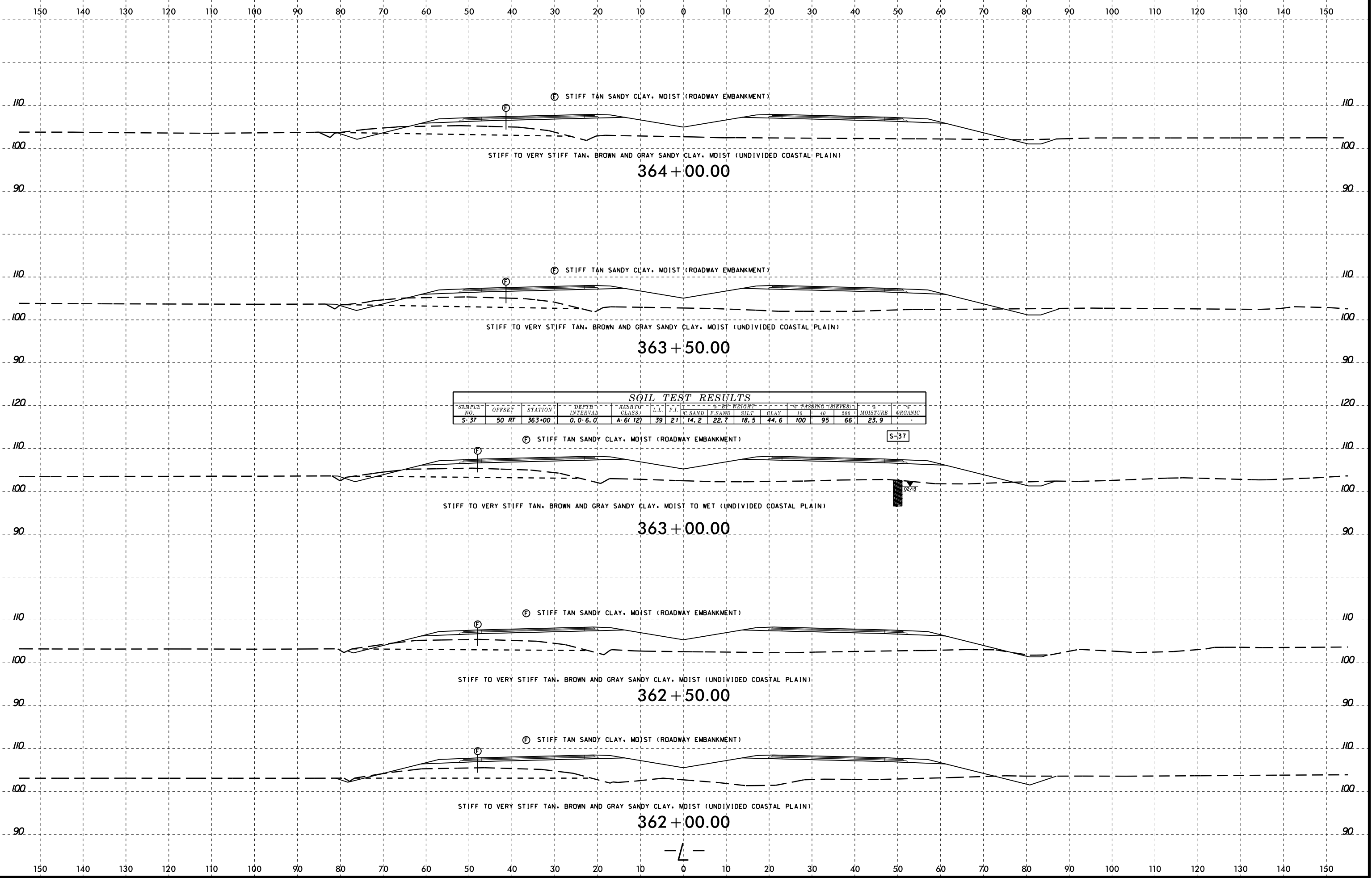
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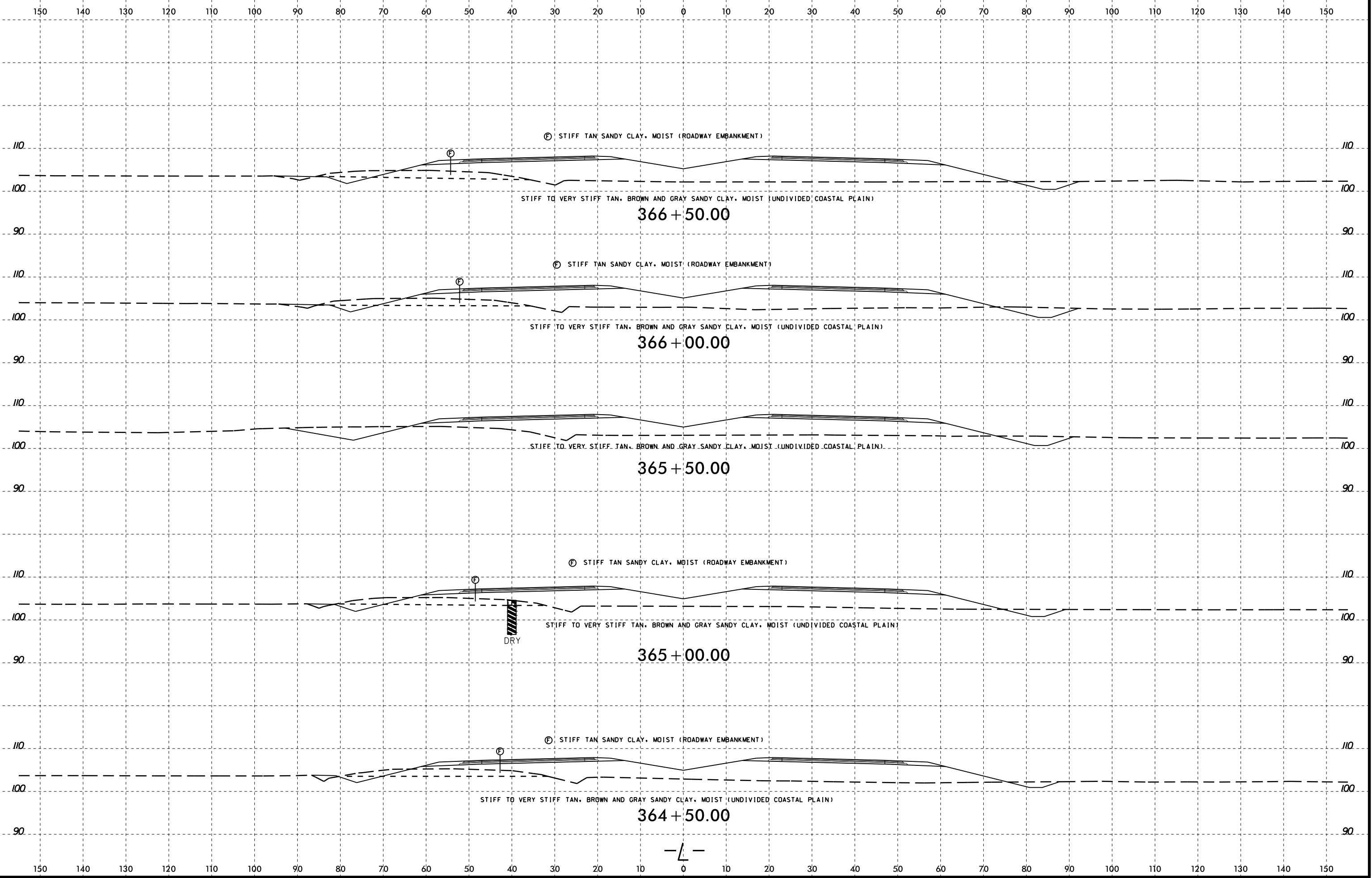
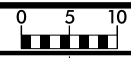
SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	ASTM CLASS.	LL	P.I.	% BY WEIGHT				% PASSING (SIEVES)		% MOISTURE	% ORGANIC	
							C. SAND	F. SAND	SILT	CLAY	# 10	# 40	# 200		
SS-18	7.3 LT	361+00	6.0-7.5	A-7-6(17)	56	36	20.2	26.3	7.1	46.5	100	94	56	22.3	-



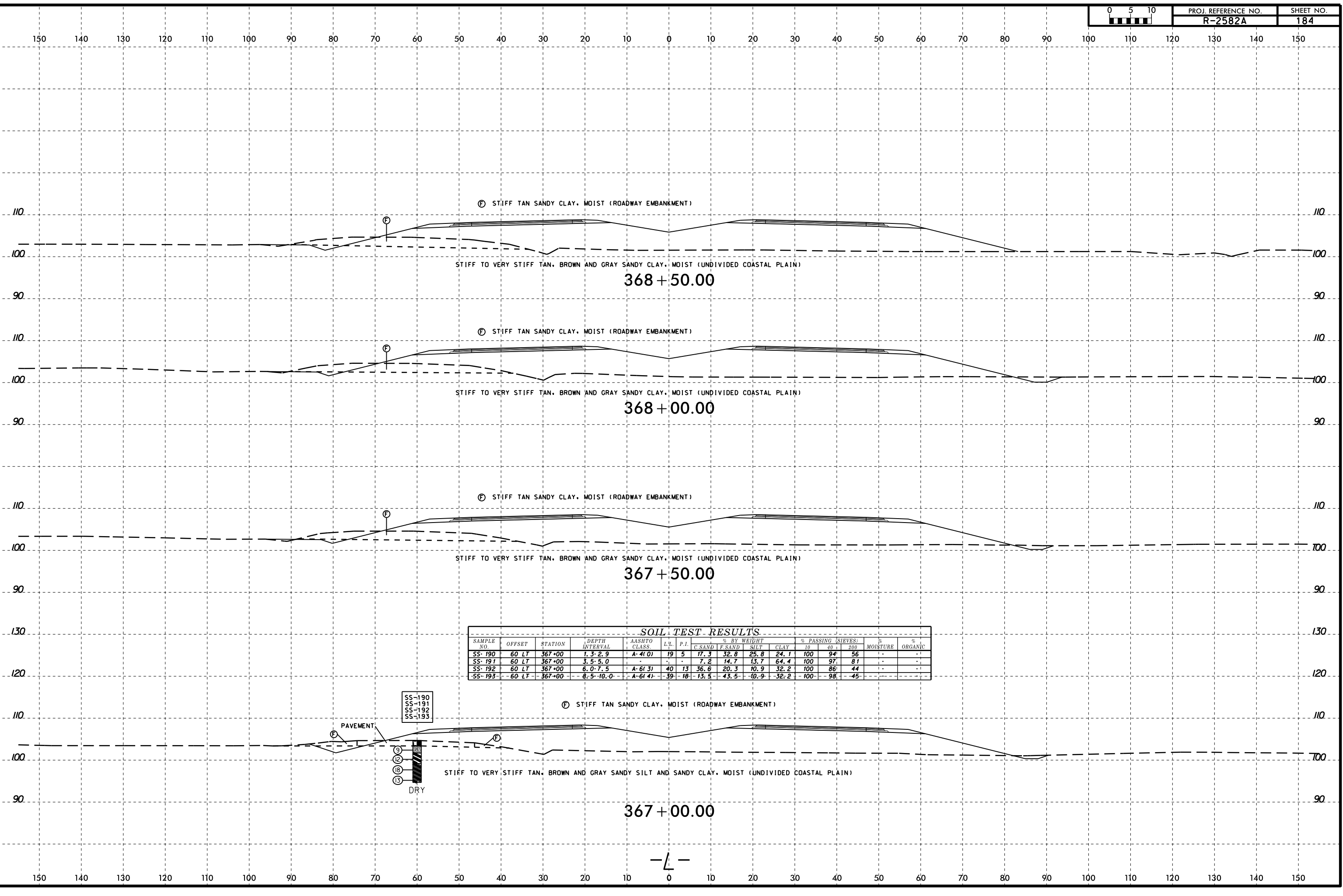
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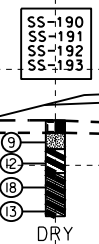


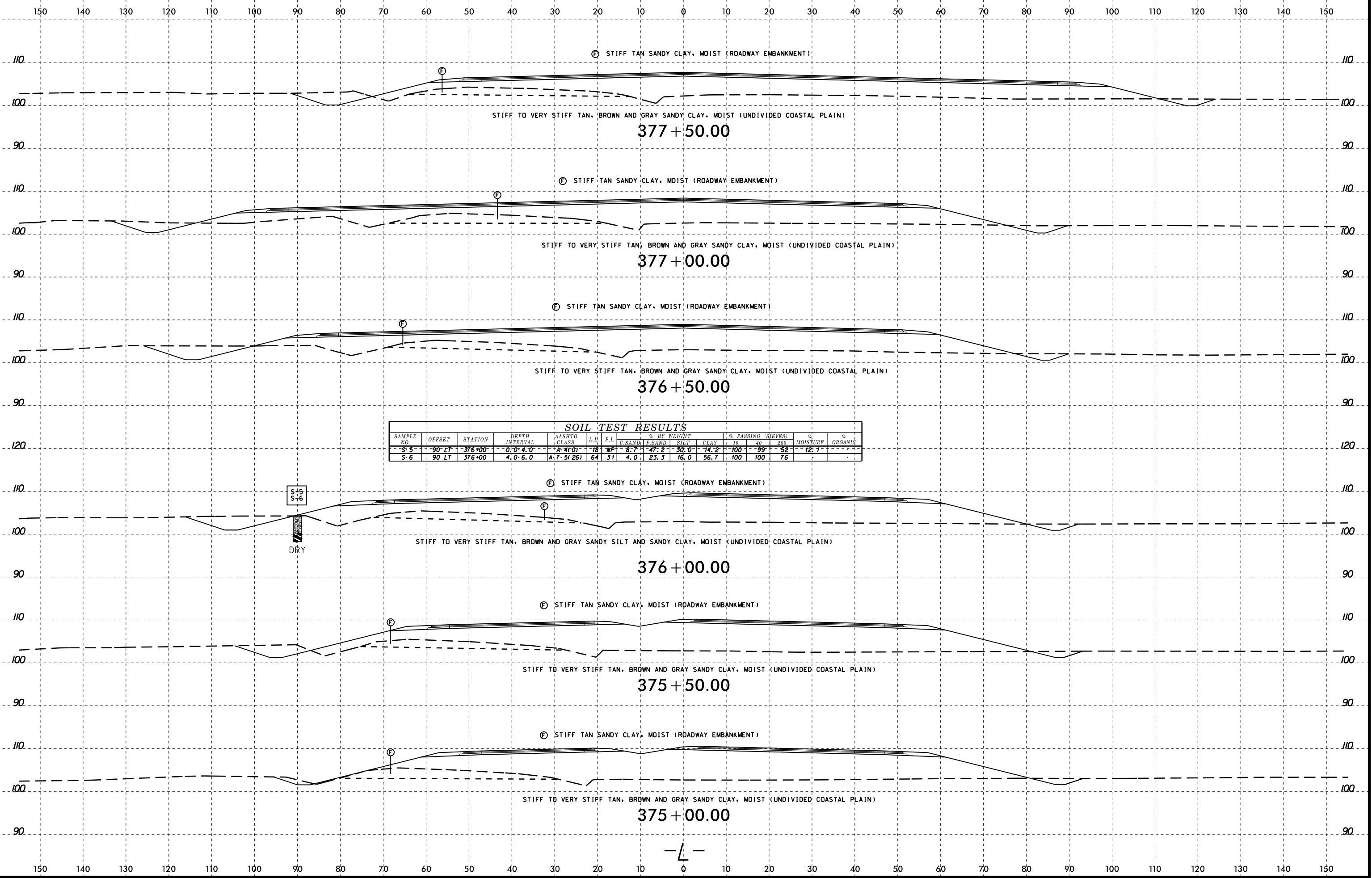
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 At: 16:06:27



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-190	60 LT	367+00	1.3-2.9	A-4(0)	19	5	17.3	32.8	25.8	24.1	100	94	56	-	-
SS-191	60 LT	367+00	3.5-5.0	-	-	-	7.2	14.7	13.7	64.4	100	97	81	-	-
SS-192	60 LT	367+00	6.0-7.5	A-6(3)	40	13	36.6	20.3	10.9	32.2	100	86	44	-	-
SS-193	60 LT	367+00	8.5-10.0	A-6(4)	39	18	13.5	43.5	10.9	32.2	100	98	45	-	-





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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		
S-119	30 RT	380+00	0.5-1.0	A-7(0)	18	5	31.7	32.5	16.2	20.2	98	84	41	-
S-120	30 RT	380+00	1.3-1.8	A-7(610)	47	26	28.7	27.7	10.6	40.2	98	82	52	24.1
S-121	30 RT	380+00	3.5-4.0	A-7(619)	59	38	28.1	14.5	15.3	42.2	99	81	59	31.1
S-122	30 RT	380+00	4.5-5.0	A-2(713)	52	27	44.6	17.7	9.6	28.1	89	62	35	-

Ⓢ STIFF TAN SANDY CLAY, MOIST (ROADWAY EMBANKMENT)

S-119
S-120
S-121
S-122

STIFF TO VERY STIFF TAN, BROWN AND GRAY SANDY SILT AND SANDY CLAY, MOIST TO WET (UNDIVIDED COASTAL PLAIN)

MEDIUM DENSE TAN CLAYEY SAND, SATURATED (UNDIVIDED COASTAL PLAIN)

380 + 00.00

Ⓢ STIFF TAN SANDY CLAY, MOIST (ROADWAY EMBANKMENT)

STIFF TO VERY STIFF TAN, BROWN AND GRAY SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

379 + 50.00

Ⓢ STIFF TAN SANDY CLAY, MOIST (ROADWAY EMBANKMENT)

STIFF TO VERY STIFF TAN, BROWN AND GRAY SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

379 + 00.00

Ⓢ STIFF TAN SANDY CLAY, MOIST (ROADWAY EMBANKMENT)

STIFF TO VERY STIFF TAN, BROWN AND GRAY SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

378 + 50.00

Ⓢ STIFF TAN SANDY CLAY, MOIST (ROADWAY EMBANKMENT)

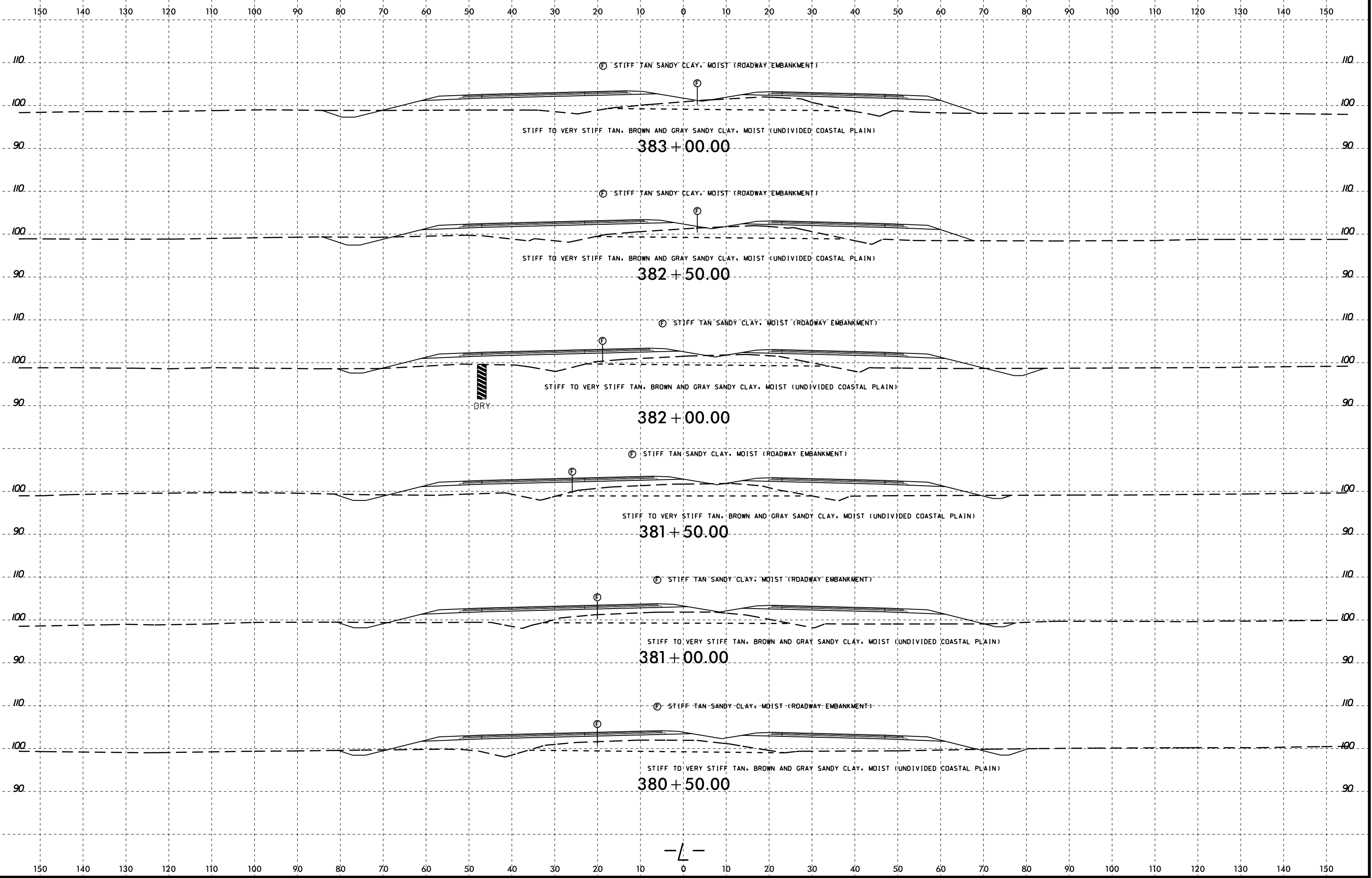
STIFF TO VERY STIFF TAN, BROWN AND GRAY SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

DRY

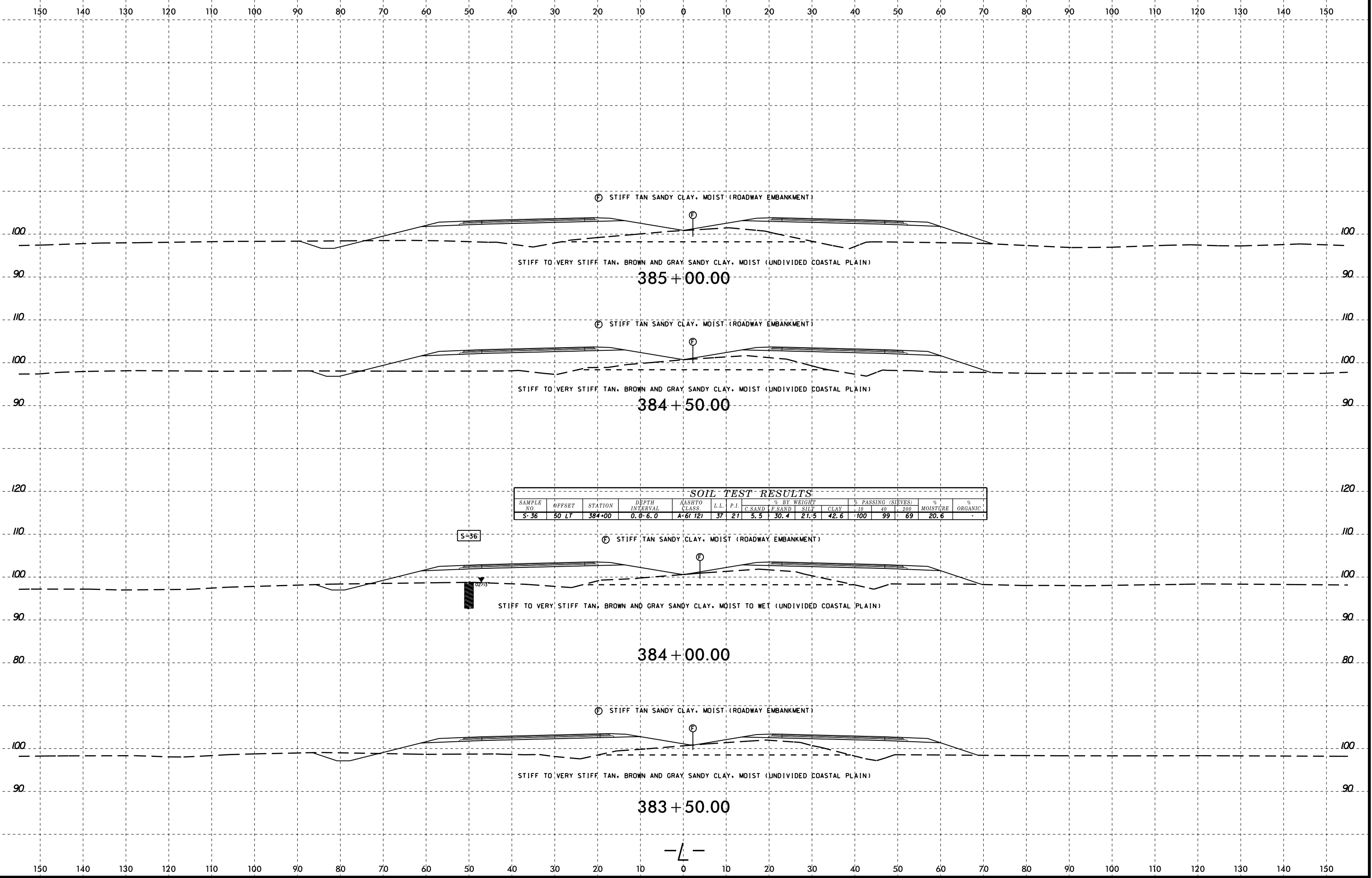
378 + 00.00

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 At: 16/06/2015 10:44
 By: G Turner



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	50 LT	384+00	0.0-6.0	A-6(12)	37	21	5.5	30.4	21.5	42.6	100	99	69	20.6	-

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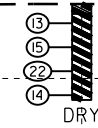
SOIL TEST RESULTS

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-123	67 RT	386+00	0.3-1.0	A-6(6)	28	13	8.0	30.1	29.7	32.1	100	98	68	21.0	-
S-124	67 RT	386+00	4.8-5.3	A-7(6(24))	51	33	6.0	23.7	22.7	48.2	100	98	75	-	-

Ⓢ STIFF TAN SANDY CLAY, MOIST (ROADWAY EMBANKMENT)

S-123
S-124

STIFF TO VERY STIFF TAN, BROWN AND GRAY SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)



386 + 00.00

Ⓢ STIFF TAN SANDY CLAY, MOIST (ROADWAY EMBANKMENT)

STIFF TO VERY STIFF TAN, BROWN AND GRAY SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

385 + 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

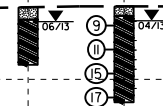
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SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F SAND	SILT	CLAY	10	40	200		
S-125	10 LT	392+00	0.5- 1.0	A-4(0)	15	NP	16.3	50.0	21.7	12.0	99	97	41	-	-
S-126	10 LT	392+00	1.3- 2.0	A-6(8)	36	21	12.9	37.3	17.7	32.1	100	98	54	-	-
S-127	10 LT	392+00	3.0- 3.5	A-6(7)	37	21	14.1	38.2	15.7	32.1	100	98	52	-	-
S-128	10 LT	392+00	4.0- 4.5	A-6(5)	33	17	14.3	40.4	17.3	28.1	100	98	49	-	-
S-129A	10 LT	392+00	4.5- 5.0	A-6(6)	34	19	14.5	37.8	17.7	30.1	100	98	52	-	-

S-125
S-126
S-127
S-128
S-129A

Ⓢ STIFF TAN SANDY CLAY, MOIST (ROADWAY EMBANKMENT)

Ⓢ



STIFF TO VERY STIFF TAN, BROWN AND ORANGE SANDY SILT AND SANDY CLAY, MOIST TO WET (UNDIVIDED COASTAL PLAIN)

392 + 00.00

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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

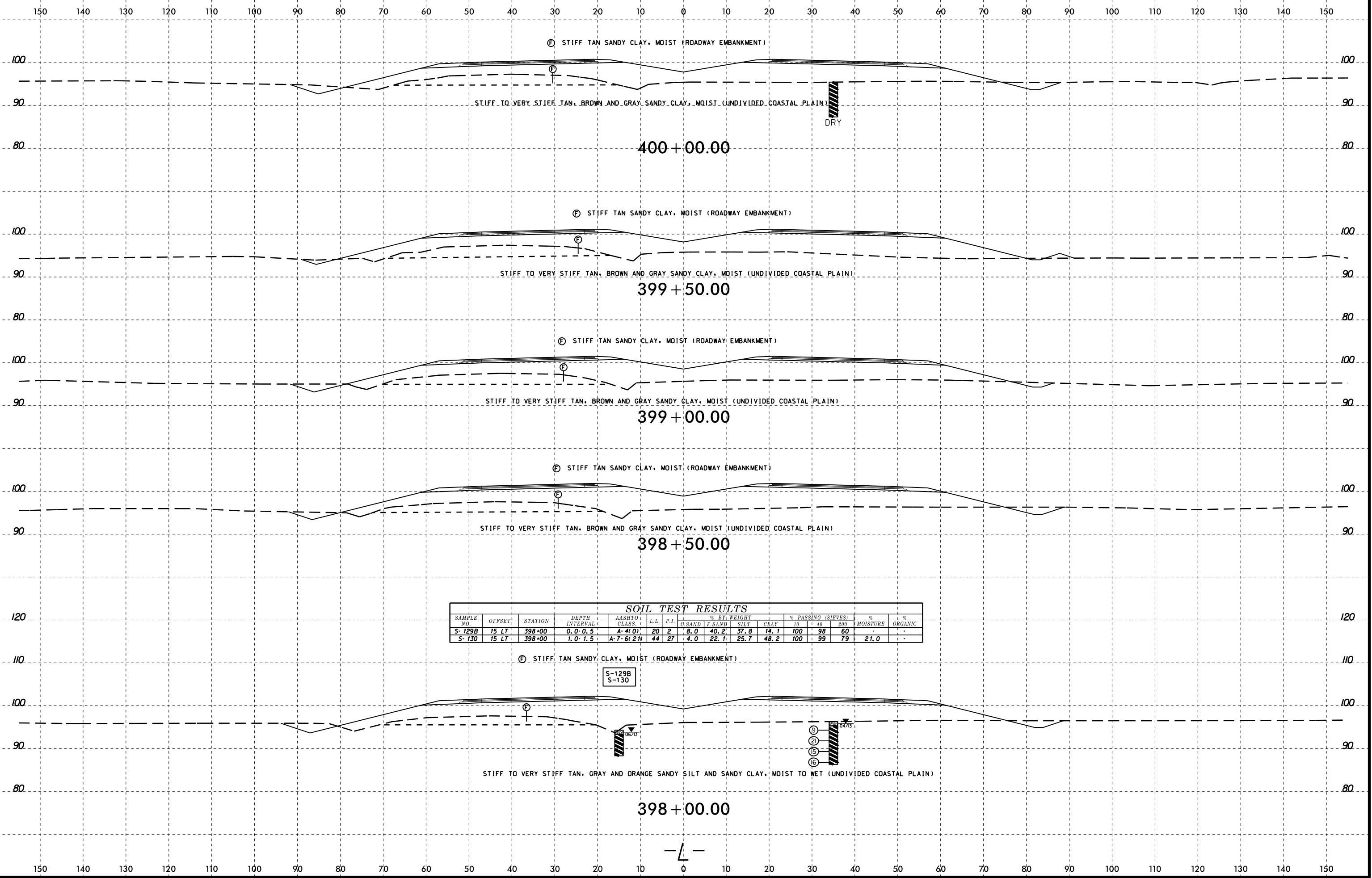
NORTH CAROLINA DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
GEOTECHNICAL ENGINEERING UNIT
SUBSURFACE INVESTIGATION
INVENTORY
SECTION 4

REFERENCE: R-2582A

PROJECT: 34472

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INITIALS

3/11/2015
DATE

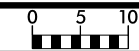


SOIL TEST RESULTS														
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L.E.	P.F.	% BY WEIGHT			% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							SAND	SILT	CLAY	10	40	200		
S-1298	15 LT	398+00	0.0-0.5	A-4(0)	20	2	8.0	40.2	37.8	14.1	100	98	60	-
S-130	15 LT	398+00	1.0-1.5	A-7-6(2)	44	27	4.0	22.1	25.7	48.2	100	99	79	21.0

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 G. Turner

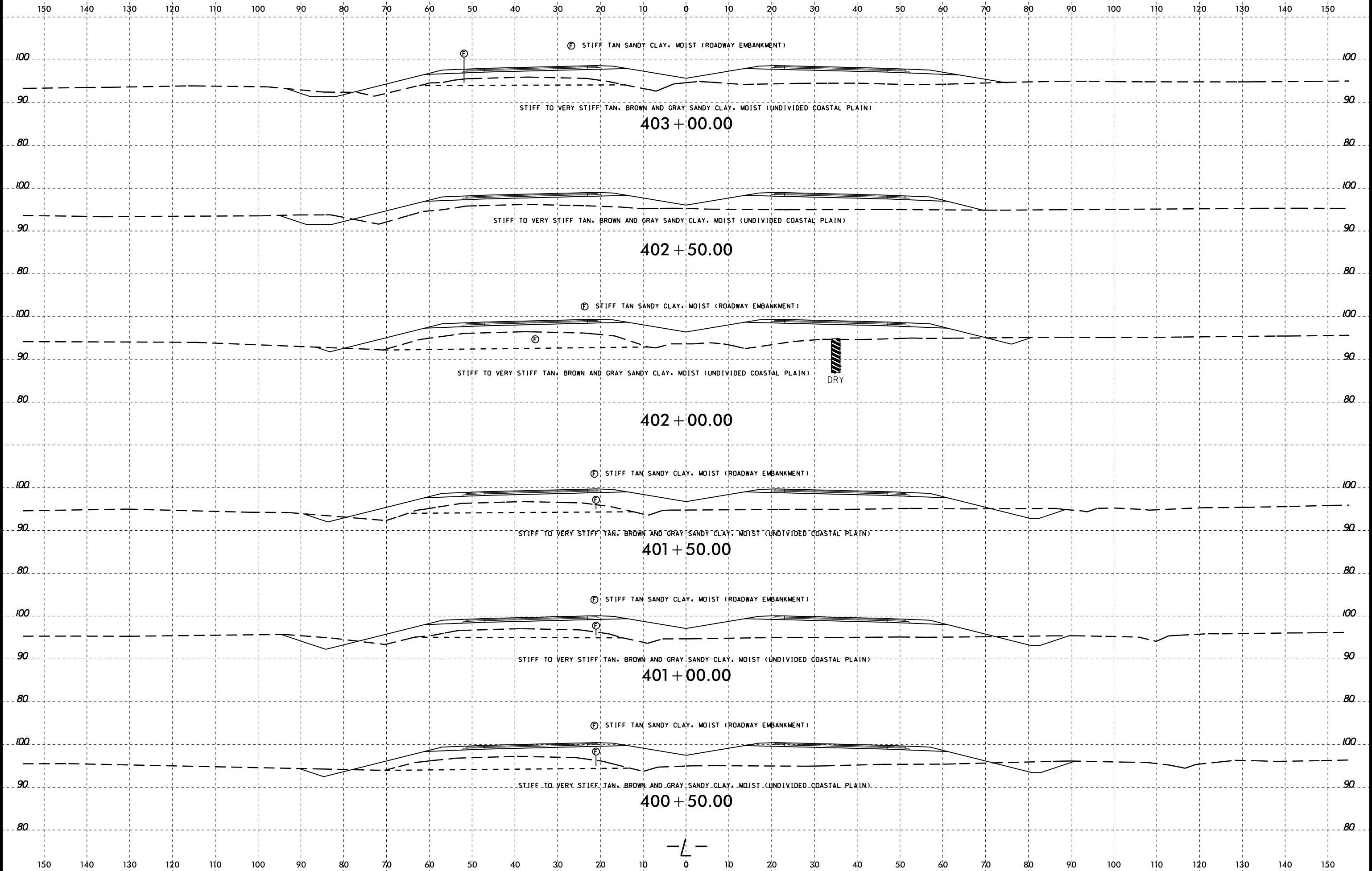
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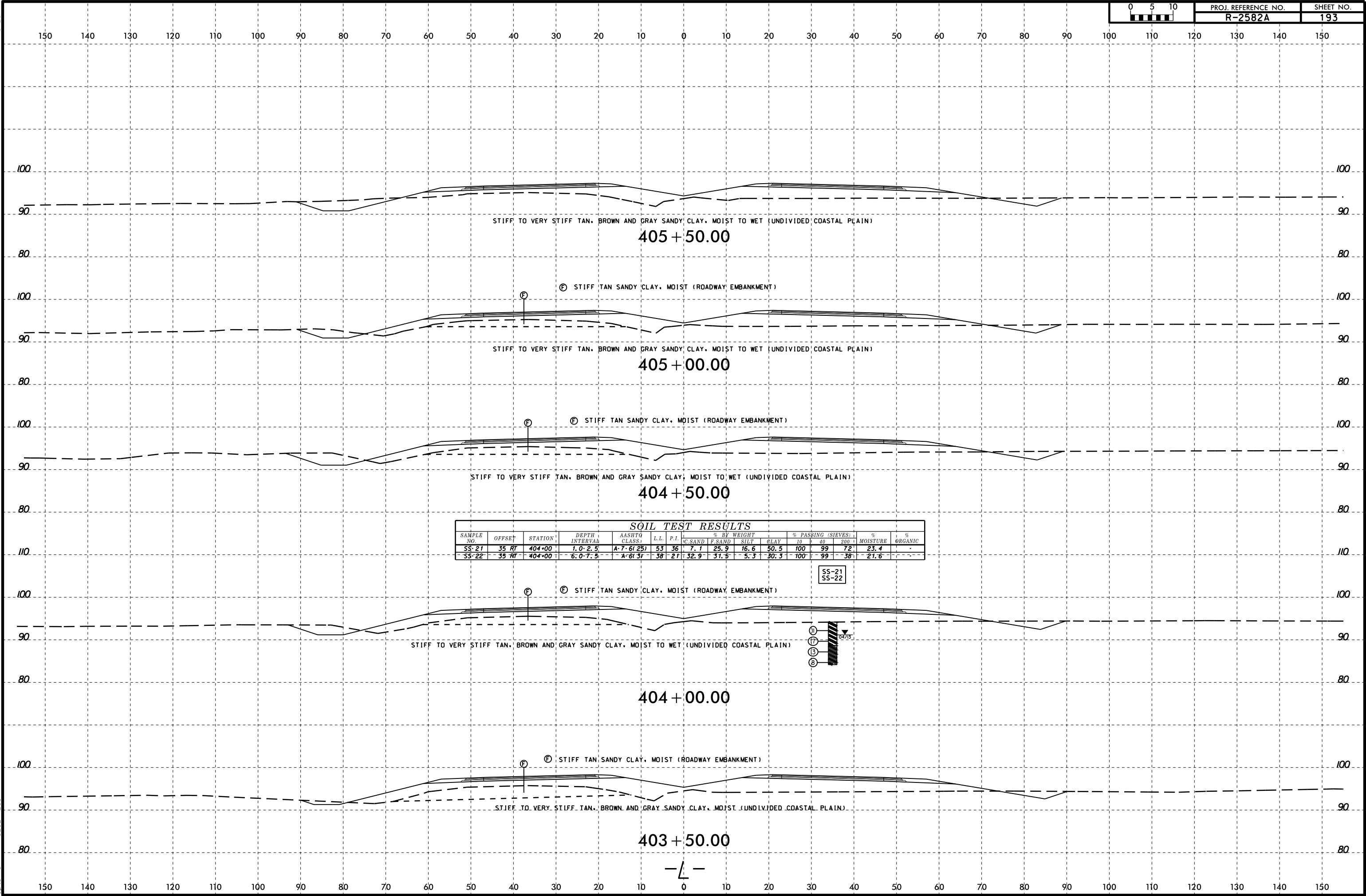


PROJ. REFERENCE NO.
R-2582A

SHEET NO.
192

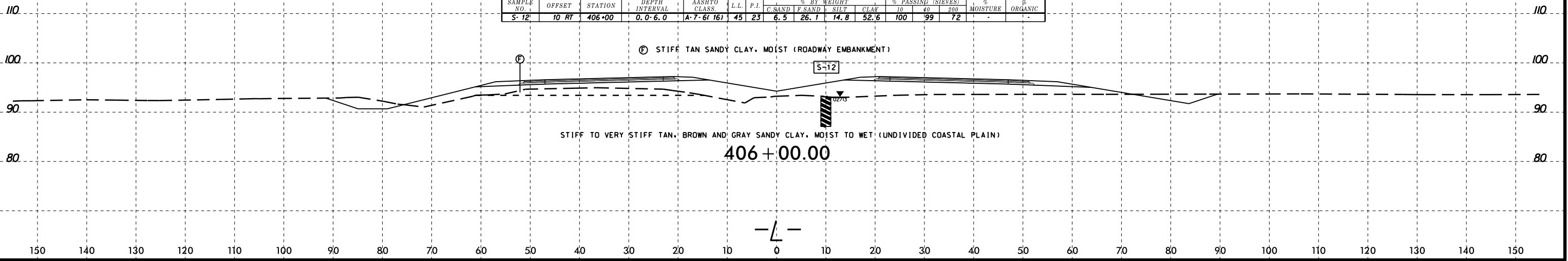


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By: GEG77238



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 C. Turner



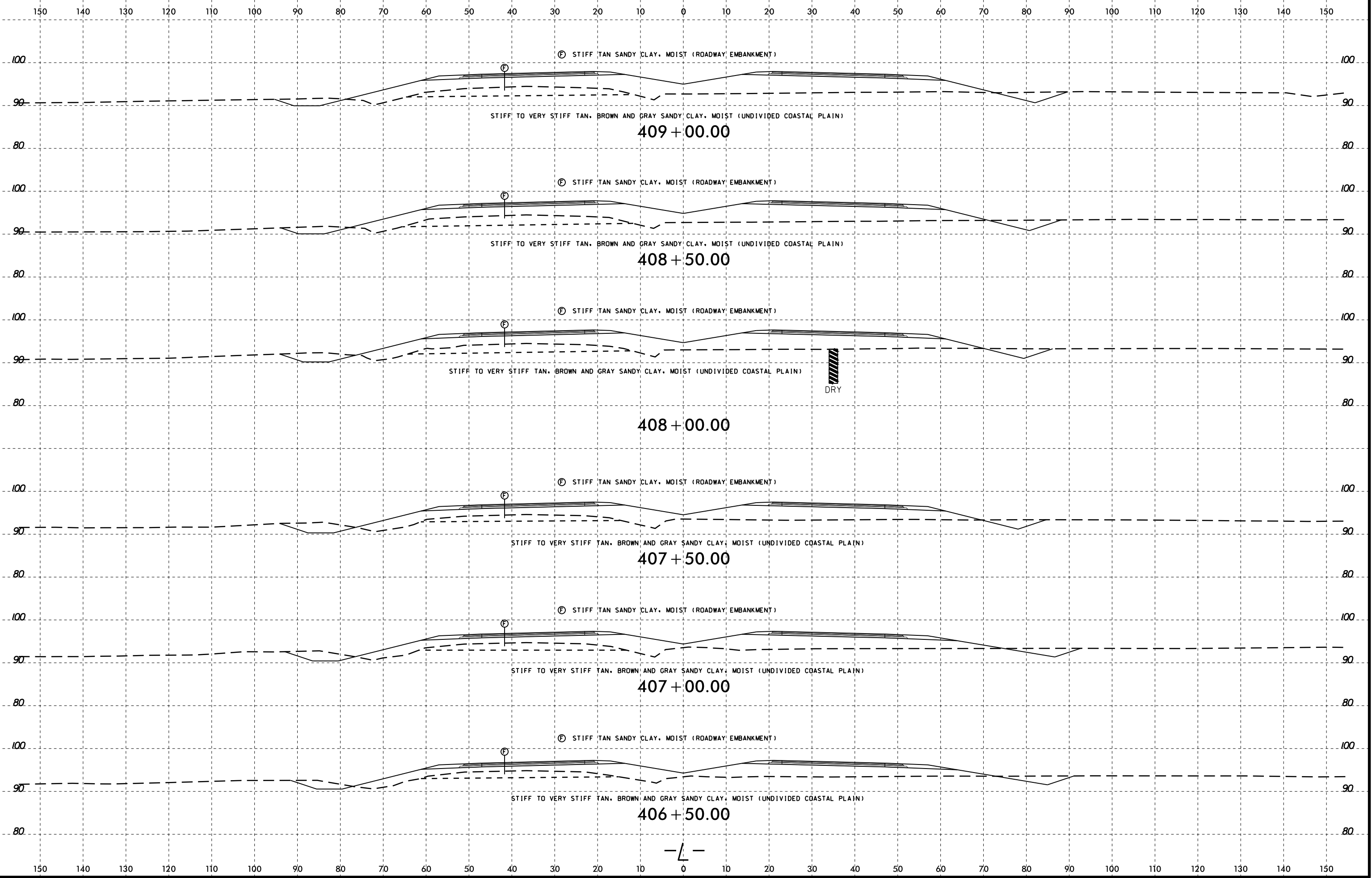
SOIL TEST RESULTS															
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							C. SAND	F. SAND	SILT	CLAY	10	40	200		
S-12	10 RT	406+00	0.0-6.0	A-7-6(16)	45	23	6.5	26.1	14.8	52.6	100	99	72	-	-

Ⓢ STIFF TAN SANDY CLAY, MOIST (ROADWAY EMBANKMENT)

STIFF TO VERY STIFF TAN, BROWN AND GRAY SANDY CLAY, MOIST TO WET (UNDIVIDED COASTAL PLAIN)

406+00.00

-L-



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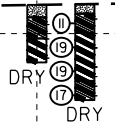
SOIL TEST RESULTS

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-131	30 RT	410+00	0.8-1.3	A-4(0)	17	3	11.0	35.7	37.1	16.1	100	97	59	-	-
S-132	30 RT	410+00	1.3-1.8	A-6(10)	33	17	8.0	26.1	27.7	38.2	100	98	71	17.7	-
S-133	30 RT	410+00	3.5-4.0	A-7-6(32)	62	41	6.0	22.7	19.7	52.2	100	98	77	-	-

S-131
S-132
S-133

Ⓔ STIFF TAN SANDY CLAY, MOIST (ROADWAY EMBANKMENT)

Ⓔ STIFF TO VERY STIFF TAN, BROWN AND GRAY SANDY SILT AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)



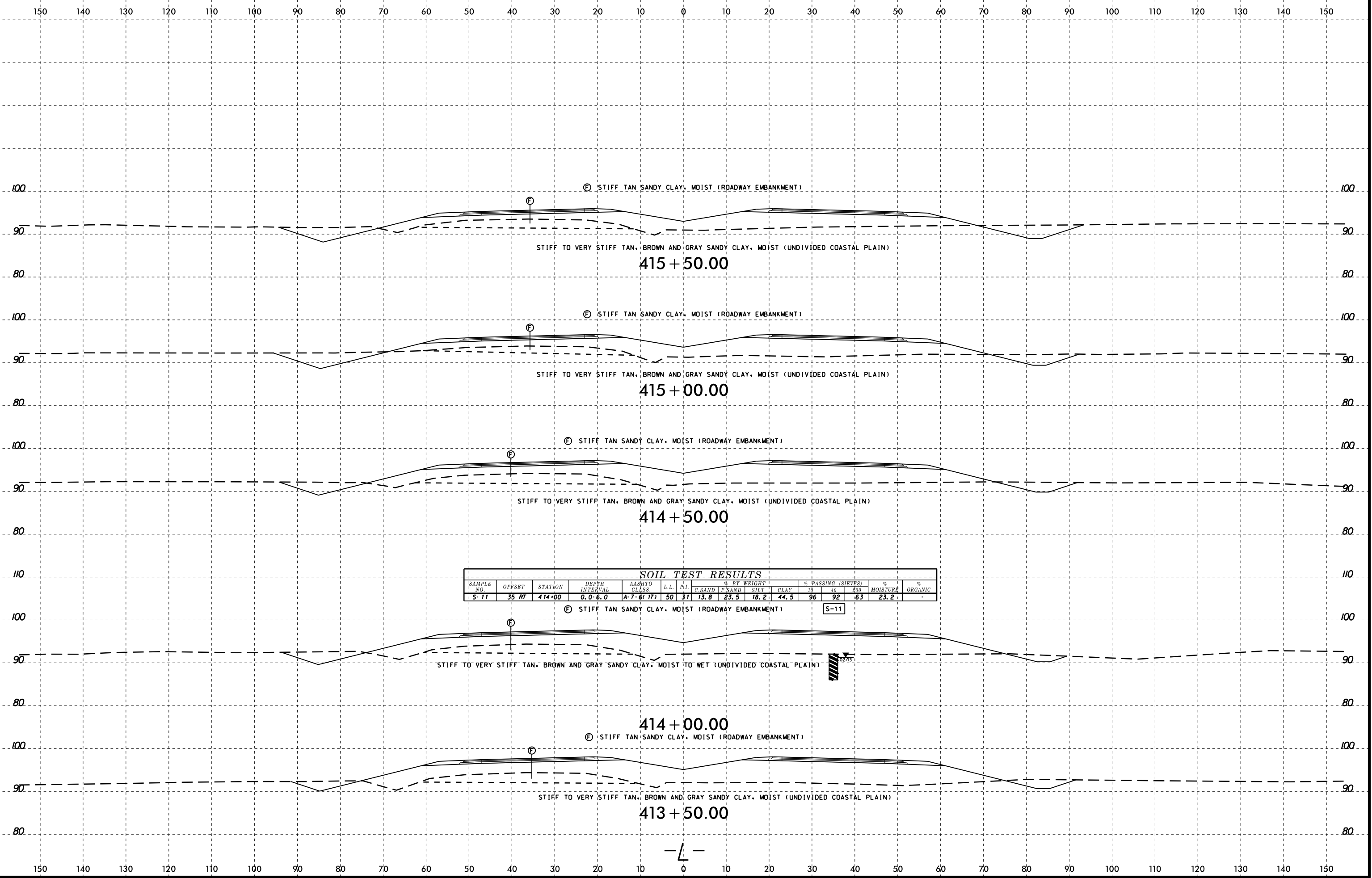
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Ⓔ STIFF TAN SANDY CLAY, MOIST (ROADWAY EMBANKMENT)

Ⓔ STIFF TO VERY STIFF TAN, BROWN AND GRAY SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

409 + 50.00

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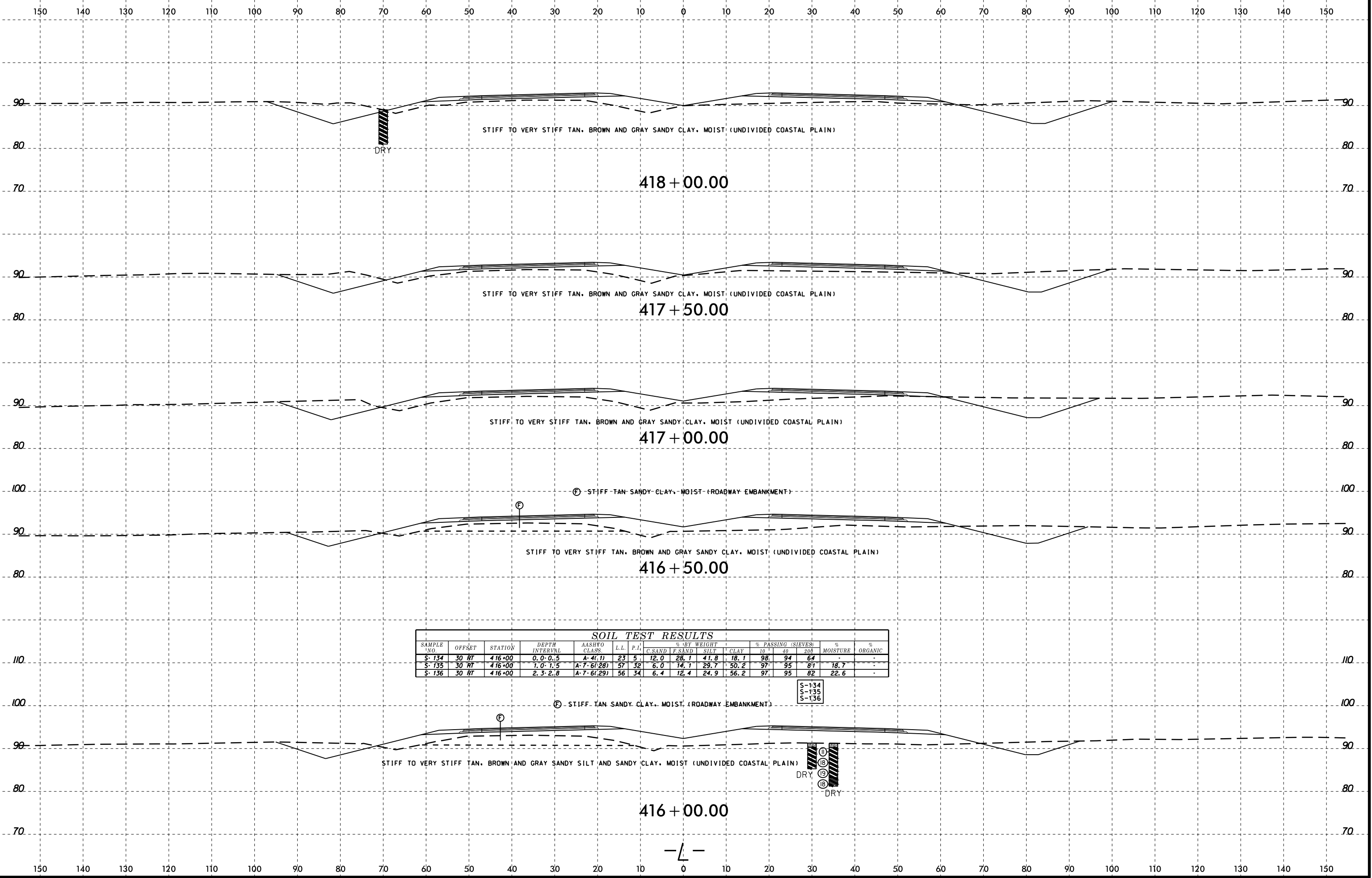
SOIL TEST RESULTS

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		
S-11	35 RT	414+00	0.0-6.0	A-7-6(17)	50	31	13.8	23.5	18.2	44.5	96	92	63	23.2	-

S-11



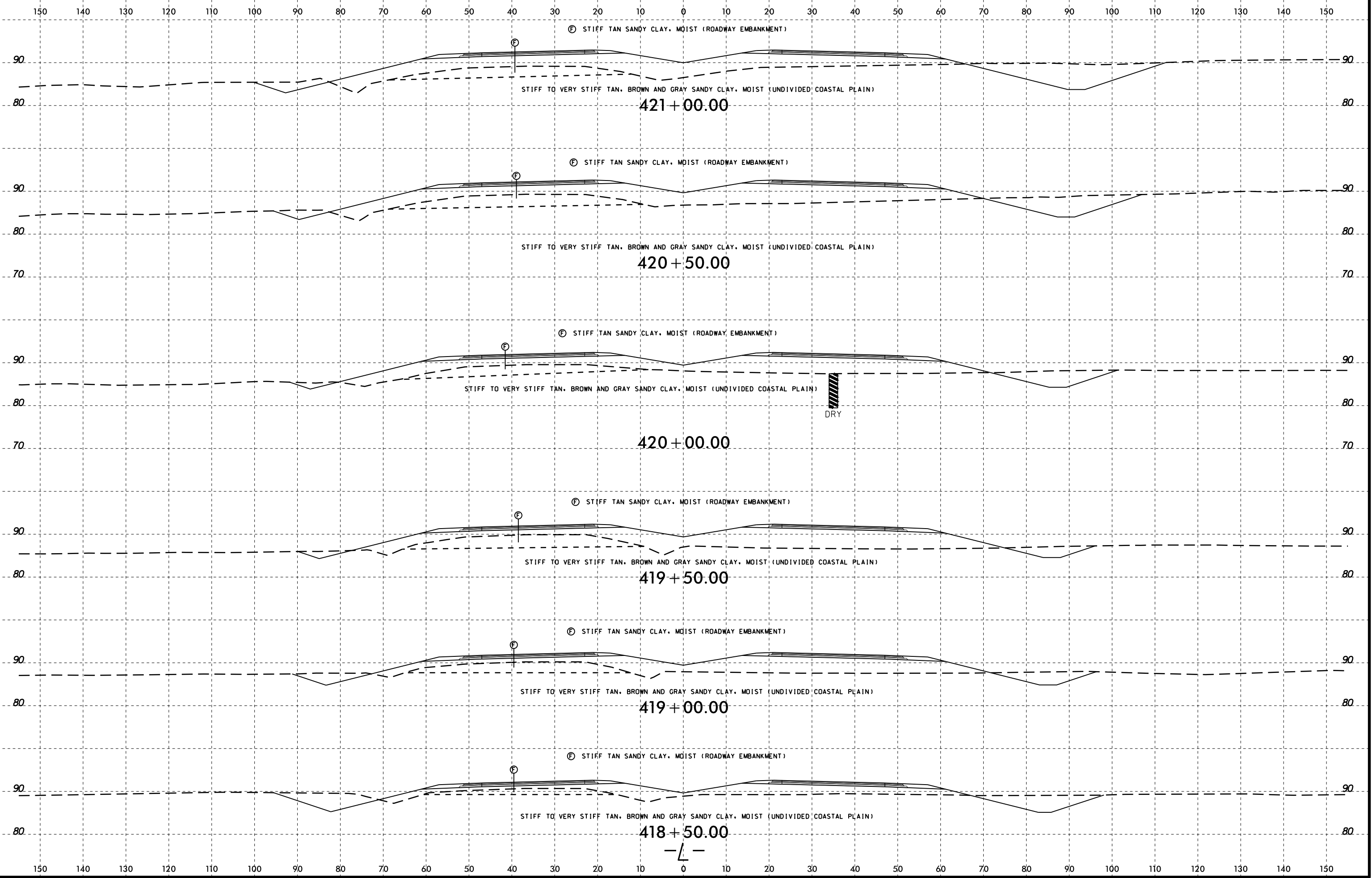
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 G. Turner

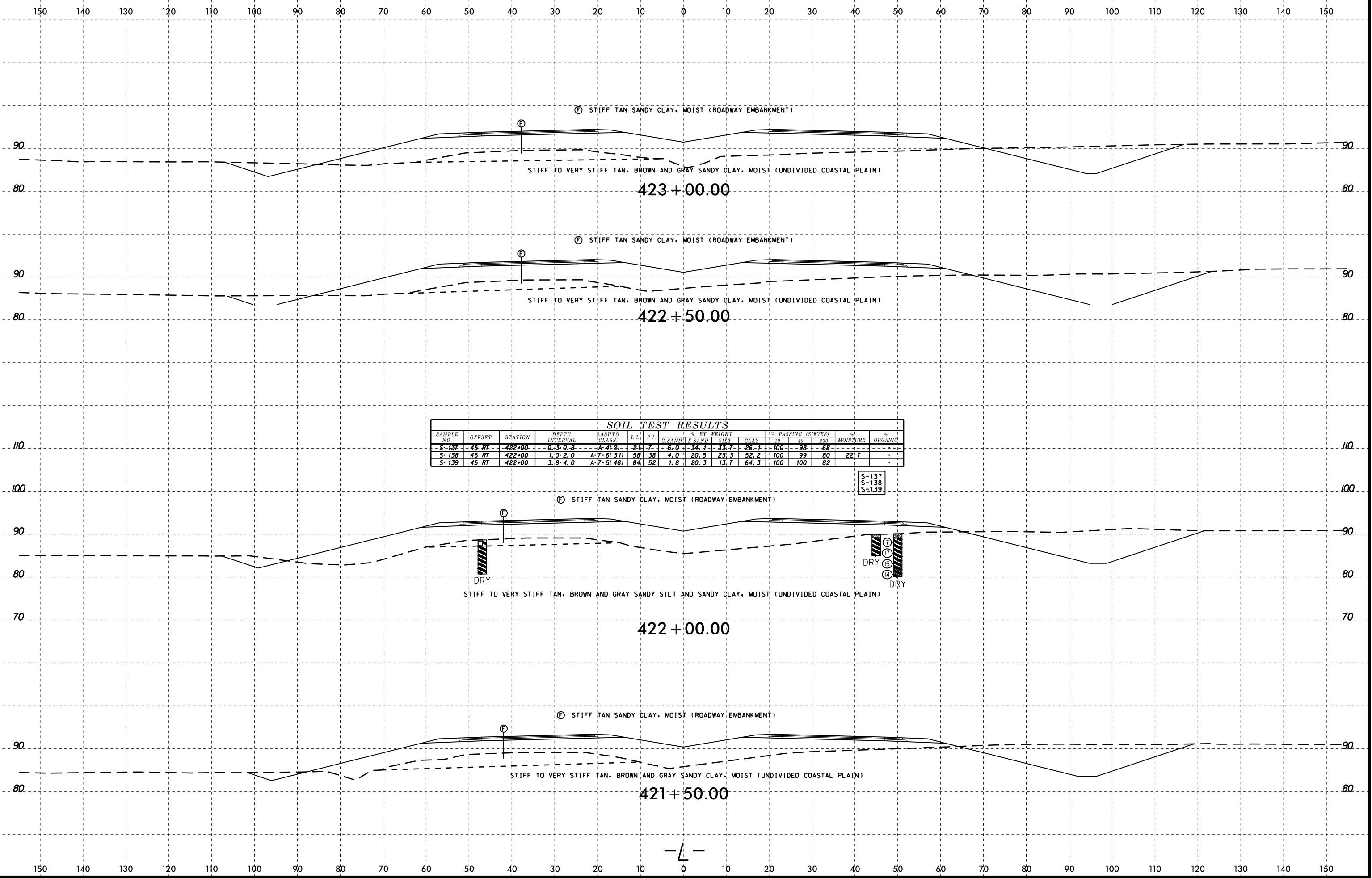


SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.L.	% BY WEIGHT			% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	10 ⁻⁴	40	200		
S-134	30 RT	416+00	0.0-0.5	A-4(1)	23	5	12.0	28.1	41.8	18.1	98	94	64	-
S-135	30 RT	416+00	1.0-1.5	A-7(6)(28)	57	32	6.0	14.1	29.7	50.2	97	95	81	18.7
S-136	30 RT	416+00	2.3-2.8	A-7(6)(29)	56	34	6.4	12.4	24.9	56.2	97	95	82	22.6

Ⓢ-134
Ⓢ-135
Ⓢ-136





SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.		L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
				A-1	A-2			C.SAND	F.SAND	SILT	CLAY	#10	#40	#200		
S-137	45 RT	422+00	0.3-0.8	A-4	A-2	21	7	6.0	34.1	33.7	26.1	100	98	68		
S-138	45 RT	422+00	1.0-2.0	A-7	A-3	58	38	4.0	20.5	23.3	52.2	100	99	80	22.7	
S-139	45 RT	422+00	3.8-4.0	A-7	A-4	84	52	1.8	20.3	13.7	64.3	100	100	82		

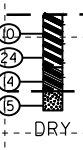
S-137
 S-138
 S-139

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-23	35 RT	428+00	8.5-10.0	A-2-4(0)	28	10	47.3	25.6	4.9	22.2	100	92	29	-	-

ⓔ STIFF TAN SANDY CLAY, MOIST (ROADWAY EMBANKMENT) SS-23

STIFF TO VERY STIFF TAN, BROWN AND GRAY SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

MEDIUM DENSE ORANGE SAND, MOIST (UNDIVIDED COASTAL PLAIN)



428+00.00

ⓔ STIFF TAN SANDY CLAY, MOIST (ROADWAY EMBANKMENT)

STIFF TO VERY STIFF TAN, BROWN AND GRAY SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

427+50.00

ⓔ STIFF TAN SANDY CLAY, MOIST (ROADWAY EMBANKMENT)

STIFF TO VERY STIFF TAN, BROWN AND GRAY SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

427+00.00

ⓔ STIFF TAN SANDY CLAY, MOIST (ROADWAY EMBANKMENT)

STIFF TO VERY STIFF TAN, BROWN AND GRAY SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

426+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		
S-9	5 LT	426+00	0.0-4.0	A-7-6(19)	52	31	9.5	27.5	16.4	46.6	99	97	67	25.0	-
S-10	5 LT	426+00	4.0-6.0	A-6(3)	39	20	38.0	26.8	4.9	30.4	100	95	37	-	-

ⓔ STIFF TAN SANDY CLAY, MOIST (ROADWAY EMBANKMENT)

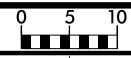


STIFF TO VERY STIFF TAN, BROWN AND GRAY SANDY CLAY, MOIST TO WET (UNDIVIDED COASTAL PLAIN)

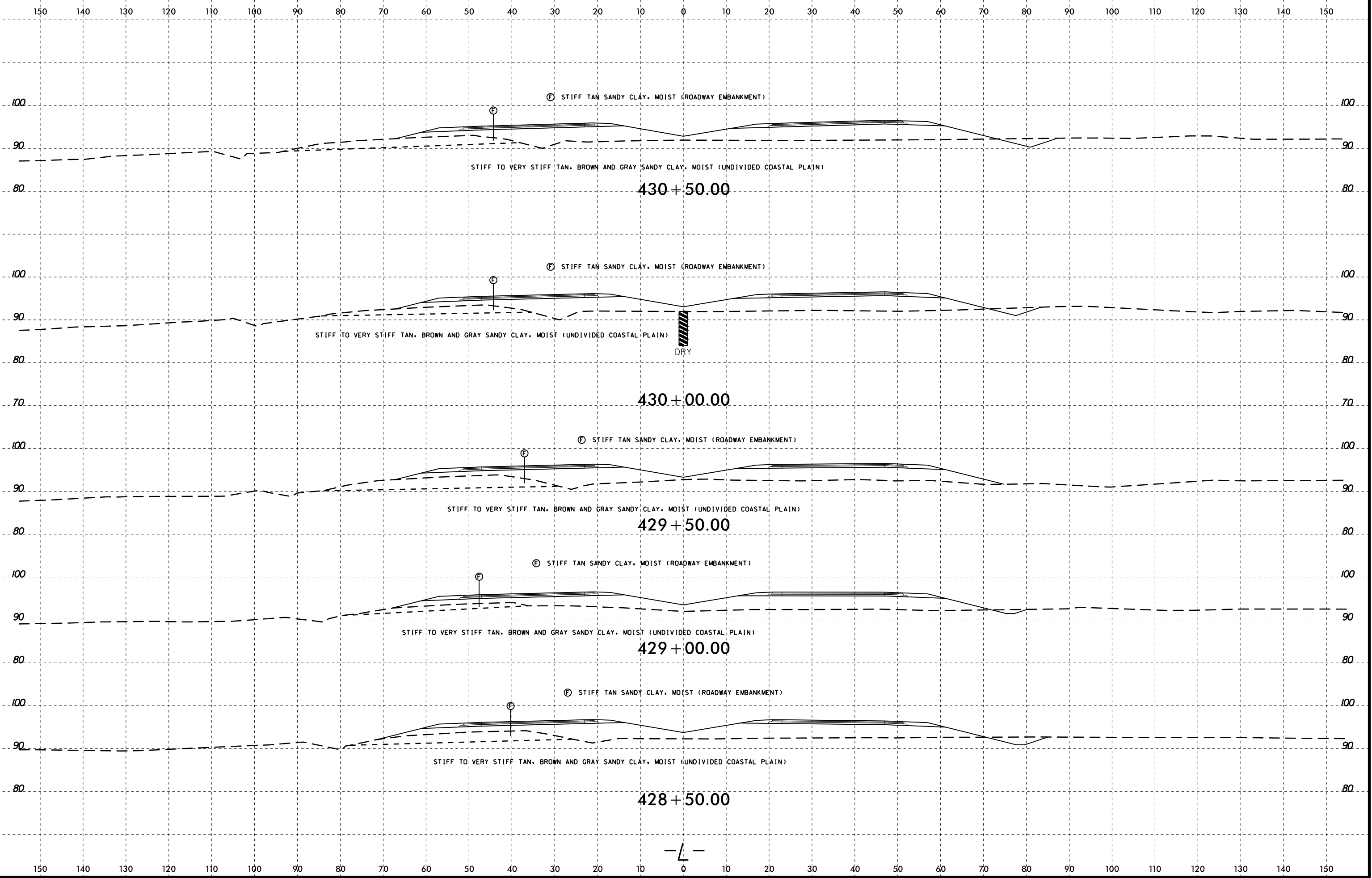
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8/23/99



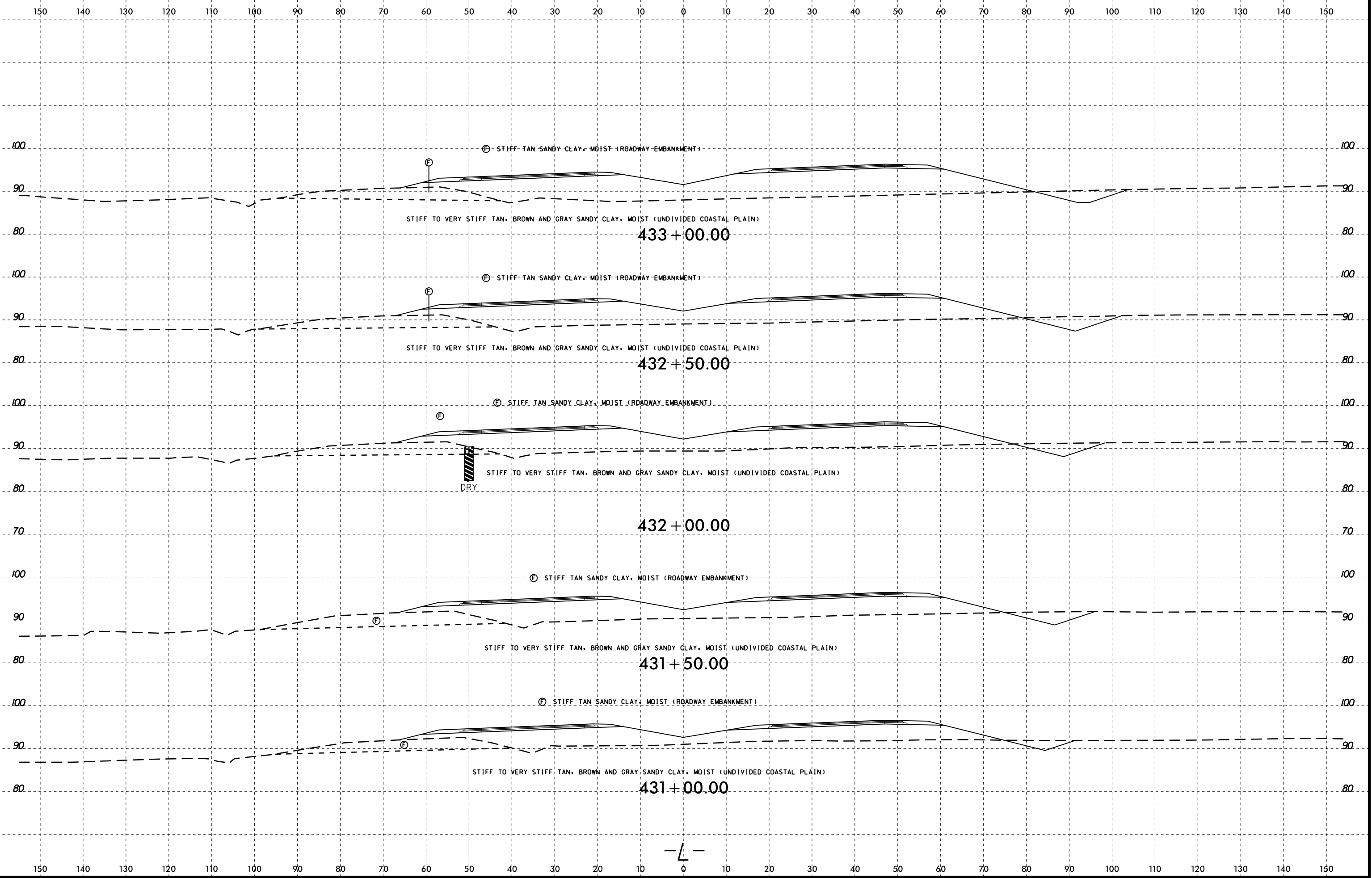
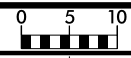
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R-2582A	202



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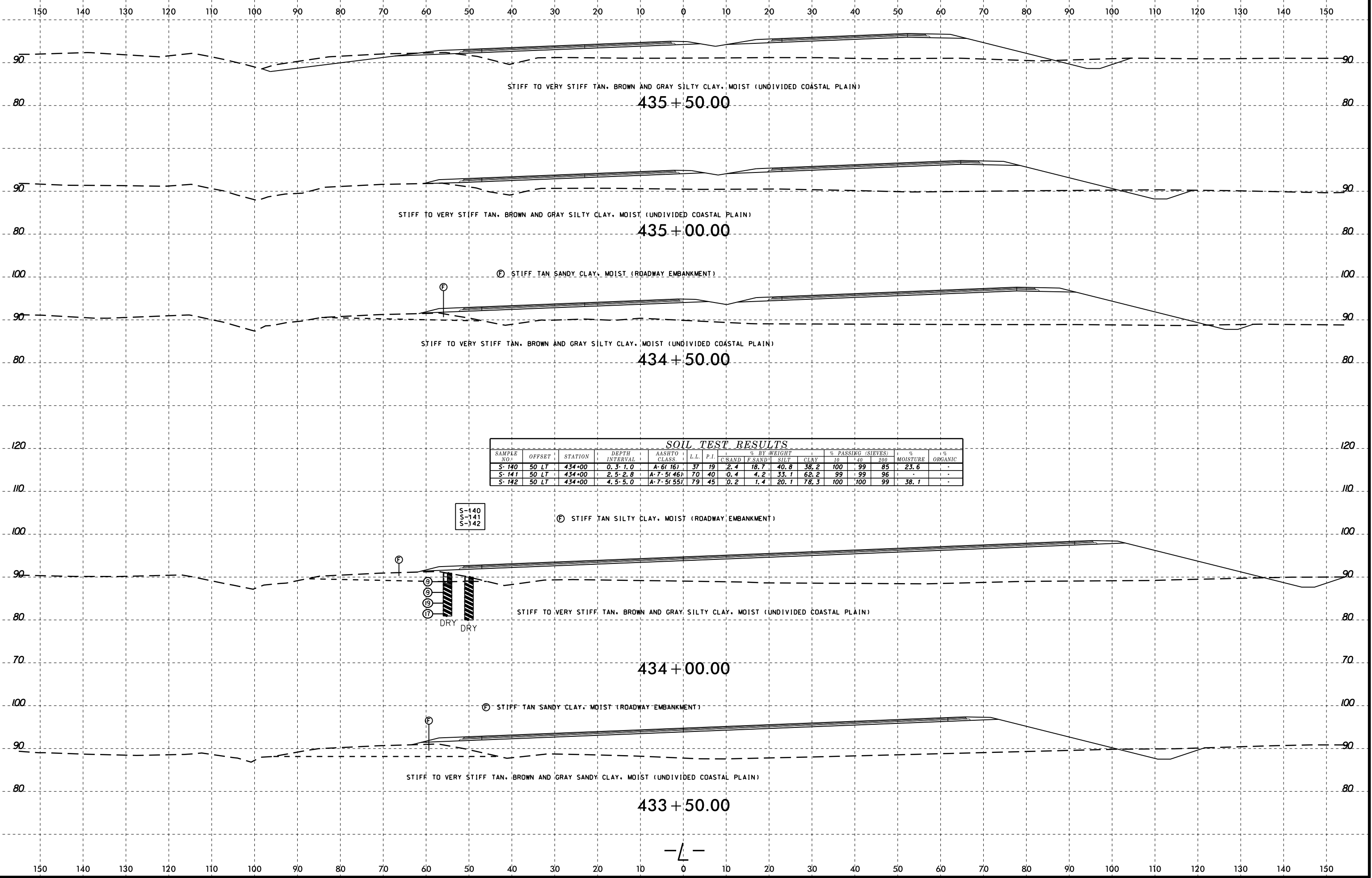
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By: G. Turner

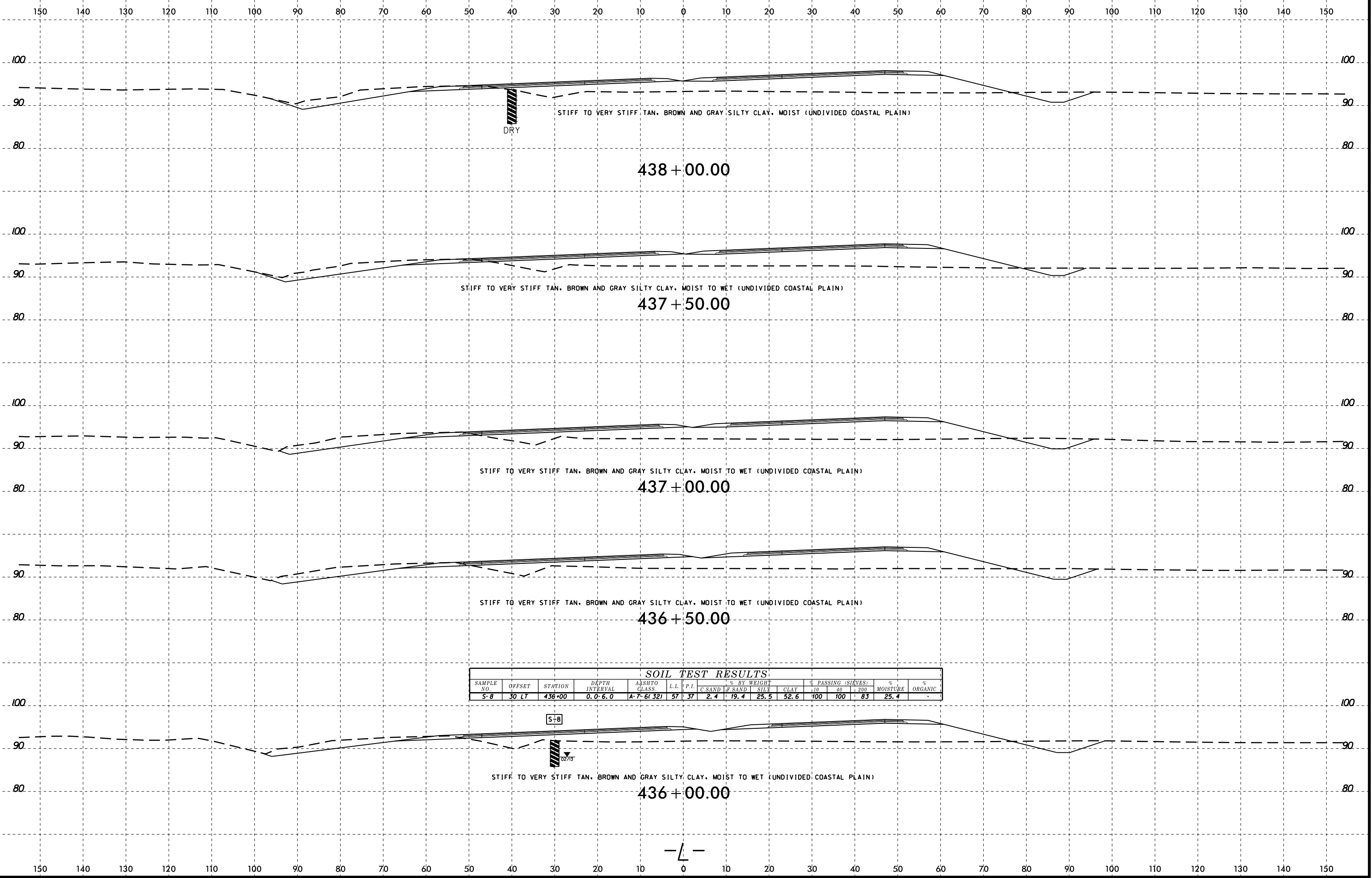
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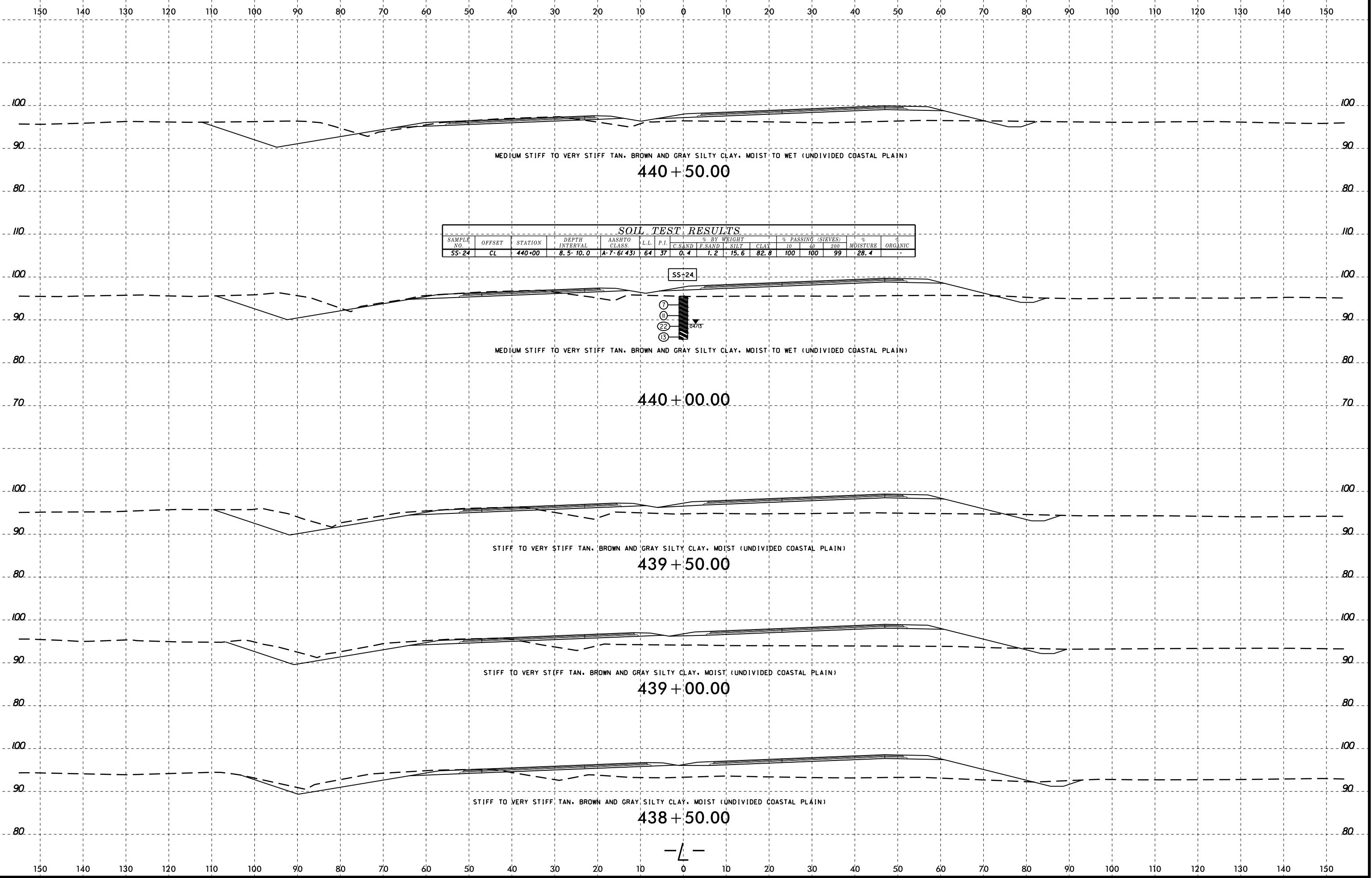
SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT			% PASSING (SIEVES)			% MOISTURE	% ORGANIC	
							SAND	FINE SAND	SILT	10	40	200			
S-140	50 LT	434+00	0.3-1.0	A-6(16)	37	19	2.4	18.7	40.8	38.2	100	99	85	23.6	-
S-141	50 LT	434+00	2.5-2.8	A-7.5(46)	70	40	0.4	4.2	33.1	62.2	99	99	96	-	-
S-142	50 LT	434+00	4.5-5.0	A-7.5(55)	79	45	0.2	1.4	20.1	78.3	100	100	99	38.1	-

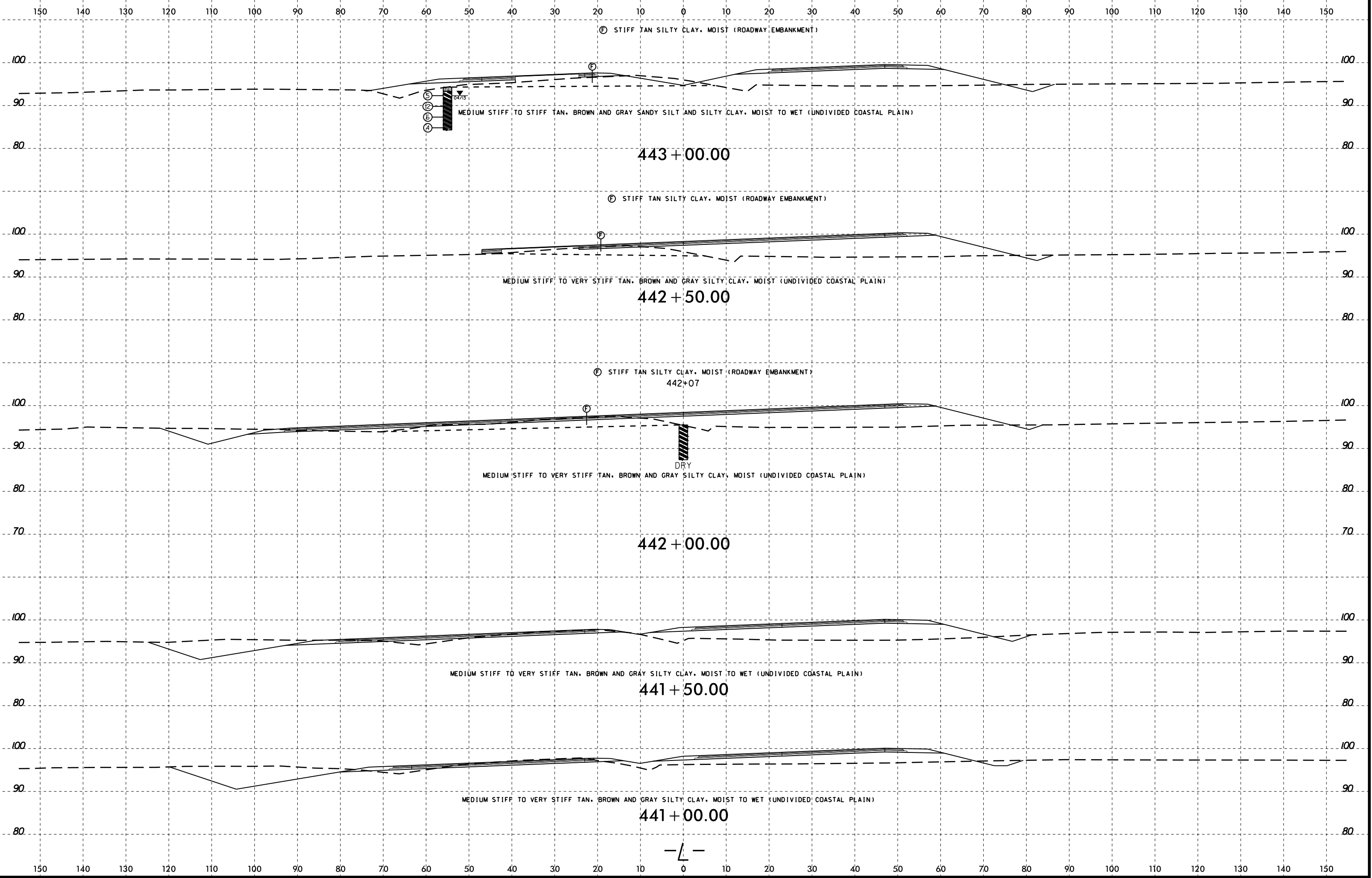
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S-141
S-142

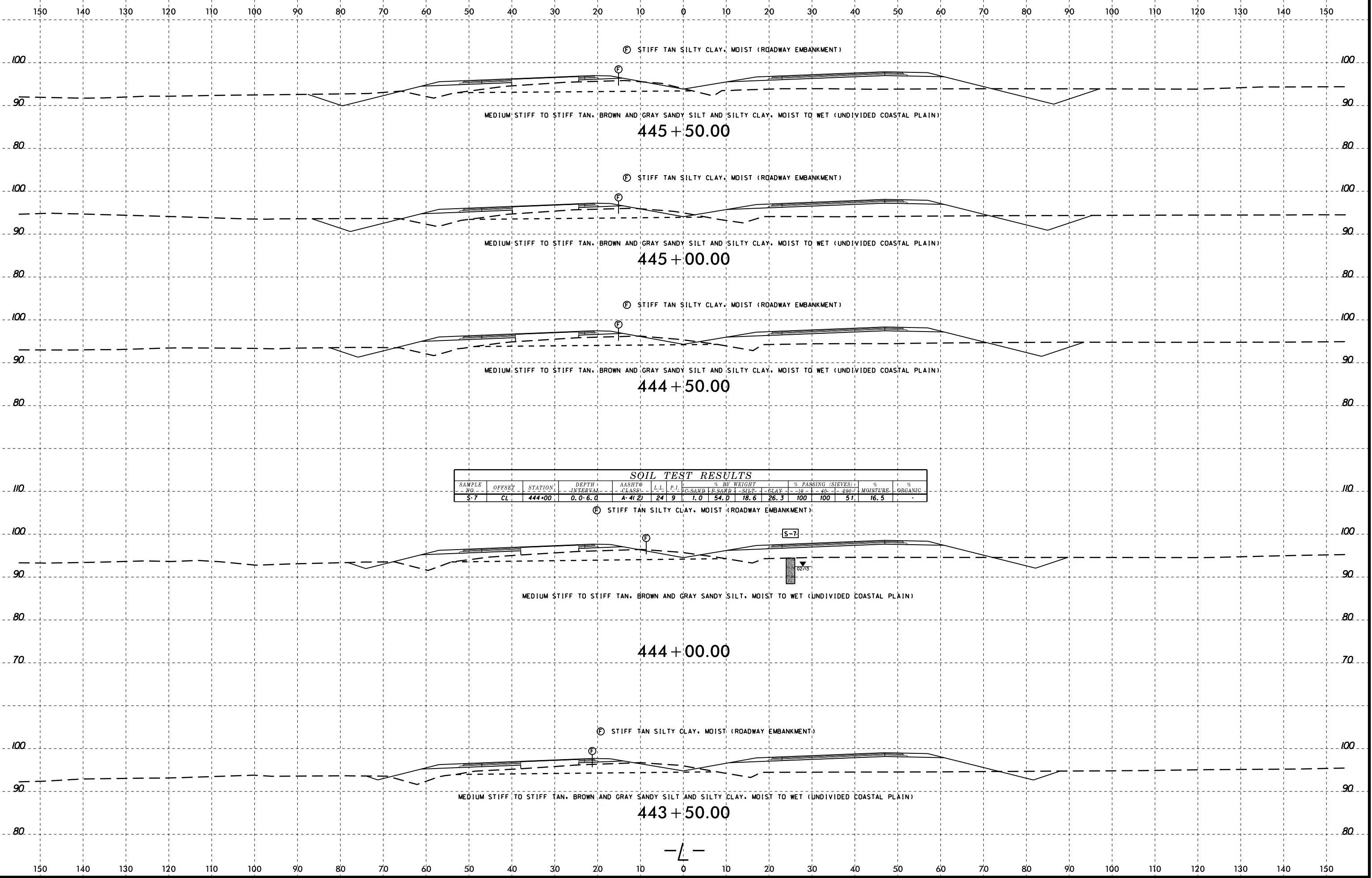




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By: G Turner





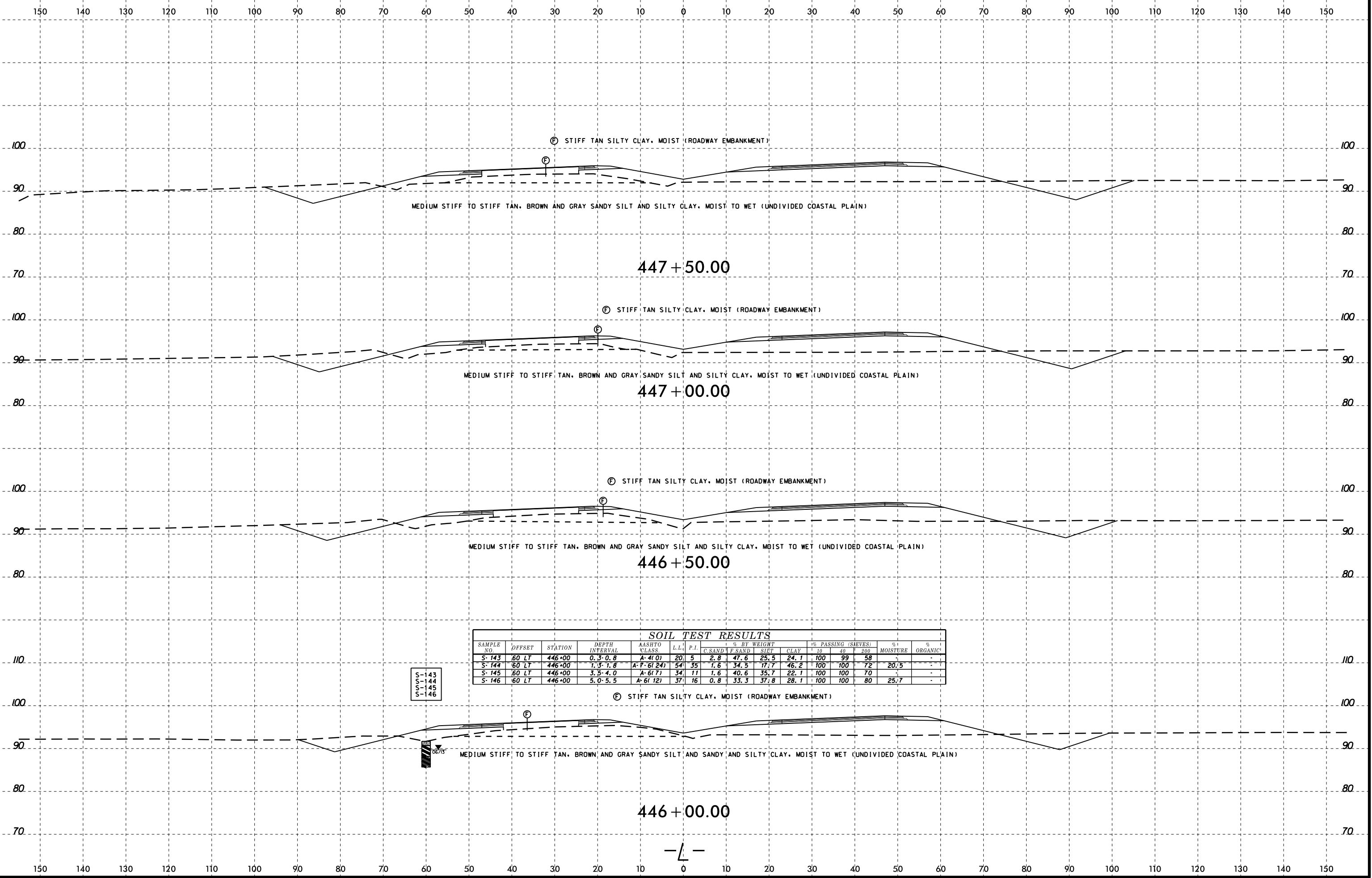


SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L ₁	L ₂	P _L	% BY WEIGHT			% PASSING (SIEVES)			% MOISTURE	% ORGANIC
								COARSE SAND	FINE SAND	SILT + CLAY	-10	-40	-200		
S-7	CL	444+00	0.0-6.0	A-4(2)	24	9	1.0	54.0	18.6	26.3	100	100	51	16.5	-

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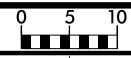


SOIL TEST RESULTS

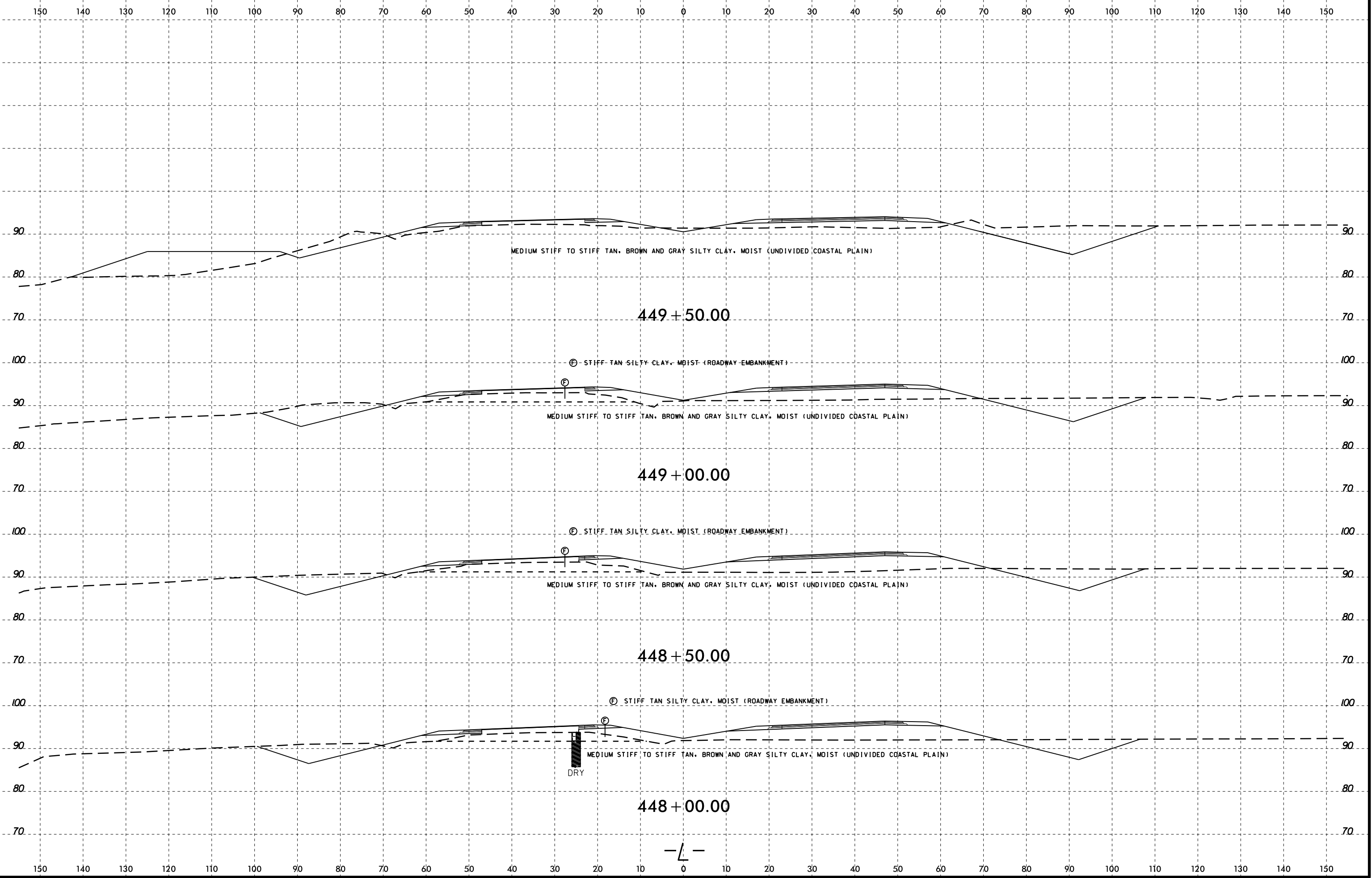
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							C. SAND	F. SAND	SILT	CLAY	10	40	200		
S-143	60 LT	446+00	0.3-0.8	A-4(0)	20	5	2.8	47.6	25.5	24.1	100	99	58	-	-
S-144	60 LT	446+00	1.3-1.8	A-7-6(24)	54	35	1.6	34.5	17.7	46.2	100	100	72	20.5	-
S-145	60 LT	446+00	3.5-4.0	A-6(7)	34	11	1.6	40.6	35.7	22.1	100	100	70	-	-
S-146	60 LT	446+00	5.0-5.5	A-6(12)	37	16	0.8	33.3	37.8	28.1	100	100	80	25.7	-

S-143
S-144
S-145
S-146

8/23/99

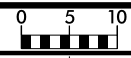


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R-2582A	210



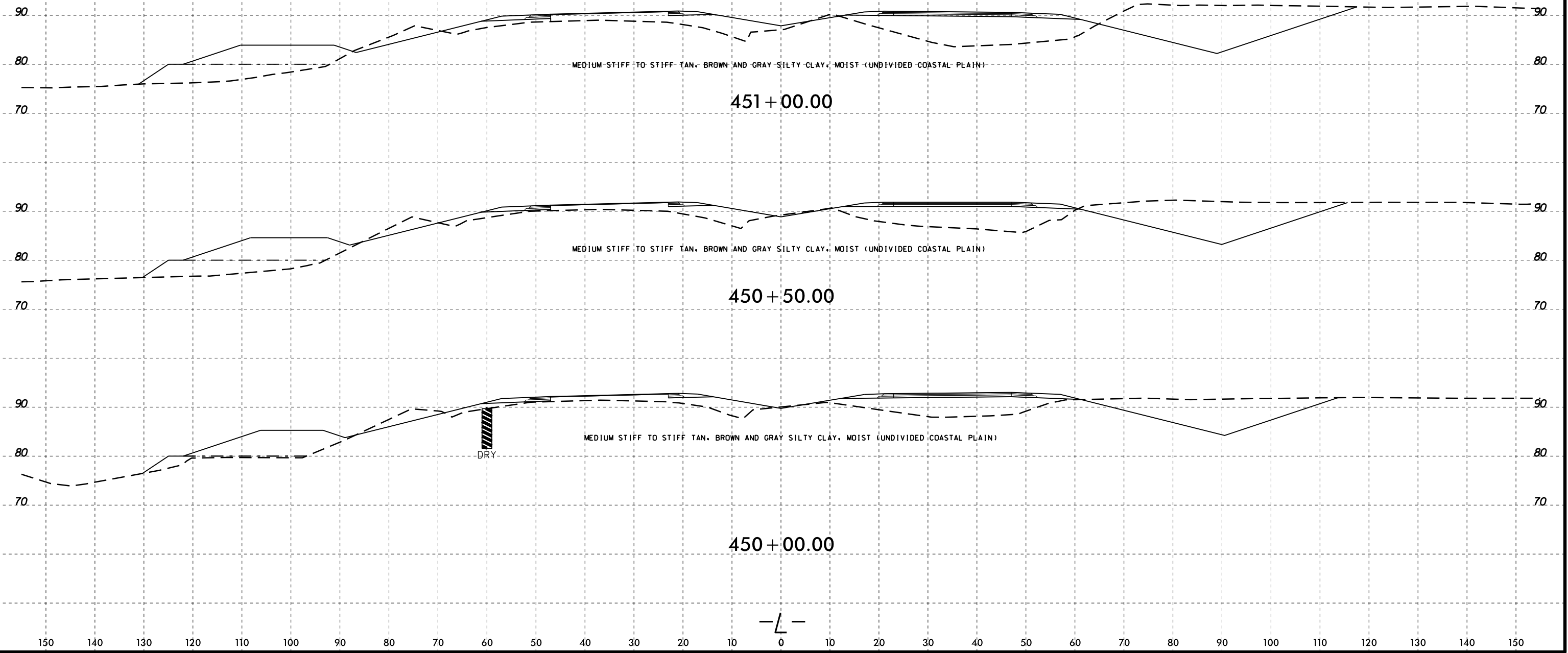
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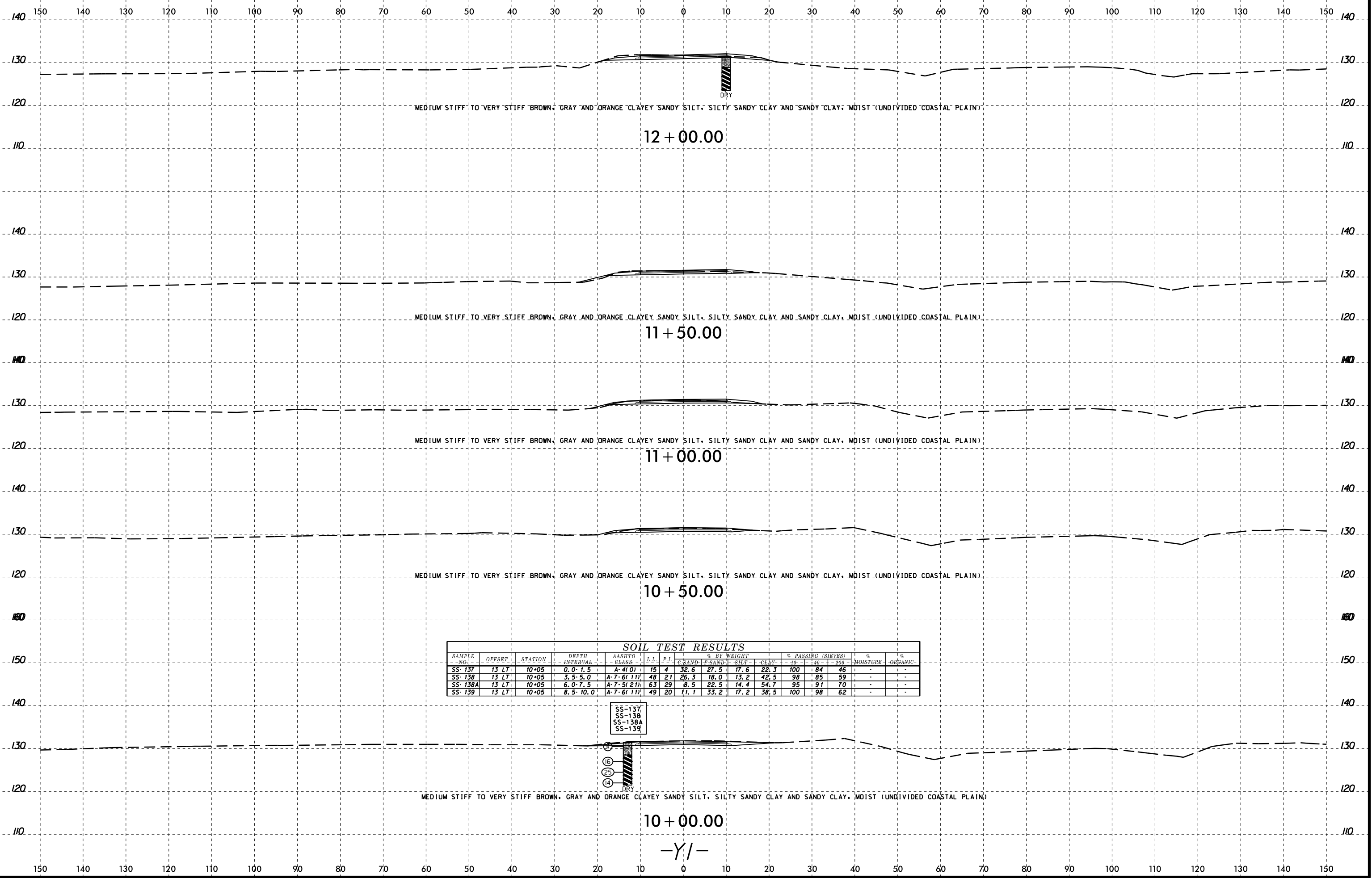
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 At: 16:06:33
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MEDIUM STIFF TO VERY STIFF BROWN, GRAY AND ORANGE CLAYEY SANDY SILT, SILTY SANDY CLAY AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

12 + 00.00

MEDIUM STIFF TO VERY STIFF BROWN, GRAY AND ORANGE CLAYEY SANDY SILT, SILTY SANDY CLAY AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

11 + 50.00

MEDIUM STIFF TO VERY STIFF BROWN, GRAY AND ORANGE CLAYEY SANDY SILT, SILTY SANDY CLAY AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

11 + 00.00

MEDIUM STIFF TO VERY STIFF BROWN, GRAY AND ORANGE CLAYEY SANDY SILT, SILTY SANDY CLAY AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

10 + 50.00

MEDIUM STIFF TO VERY STIFF BROWN, GRAY AND ORANGE CLAYEY SANDY SILT, SILTY SANDY CLAY AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

10 + 00.00

-Y/-

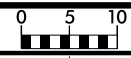
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SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							SAND	F SAND	SILT	CLAY	10	20	40		
SS-137	13 LT	10+05	0.0-1.5	A-4(0)	15	4	32.6	27.5	17.6	22.3	100	84	46	-	-
SS-138	13 LT	10+05	3.5-5.0	A-7-6(11)	48	21	26.3	18.0	13.2	42.5	98	85	59	-	-
SS-138A	13 LT	10+05	6.0-7.5	A-7-5(21)	63	29	8.5	22.5	14.4	54.7	95	91	70	-	-
SS-139	13 LT	10+05	8.5-10.0	A-7-6(11)	49	20	11.1	33.2	17.2	38.5	100	98	62	-	-

SS-137
SS-138
SS-138A
SS-139

16
25
14

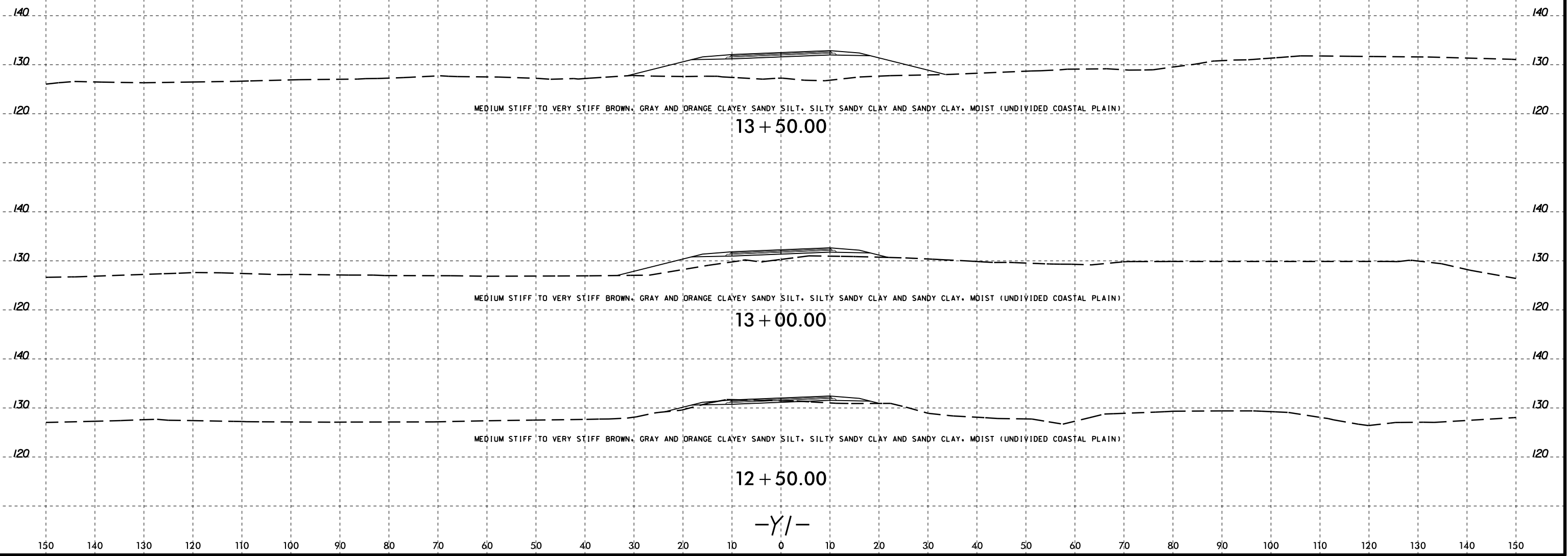
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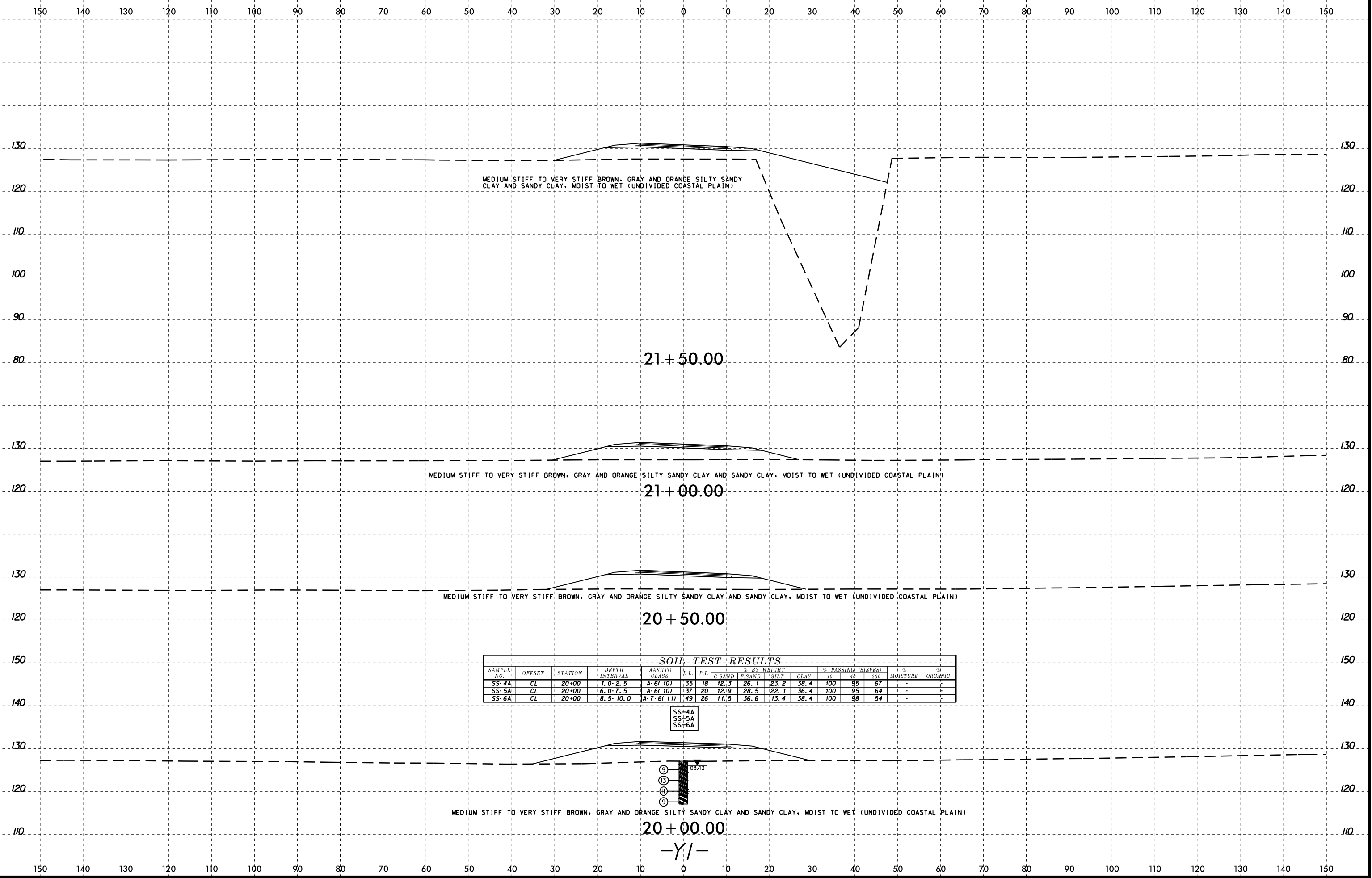
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R-2582A	213

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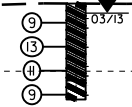
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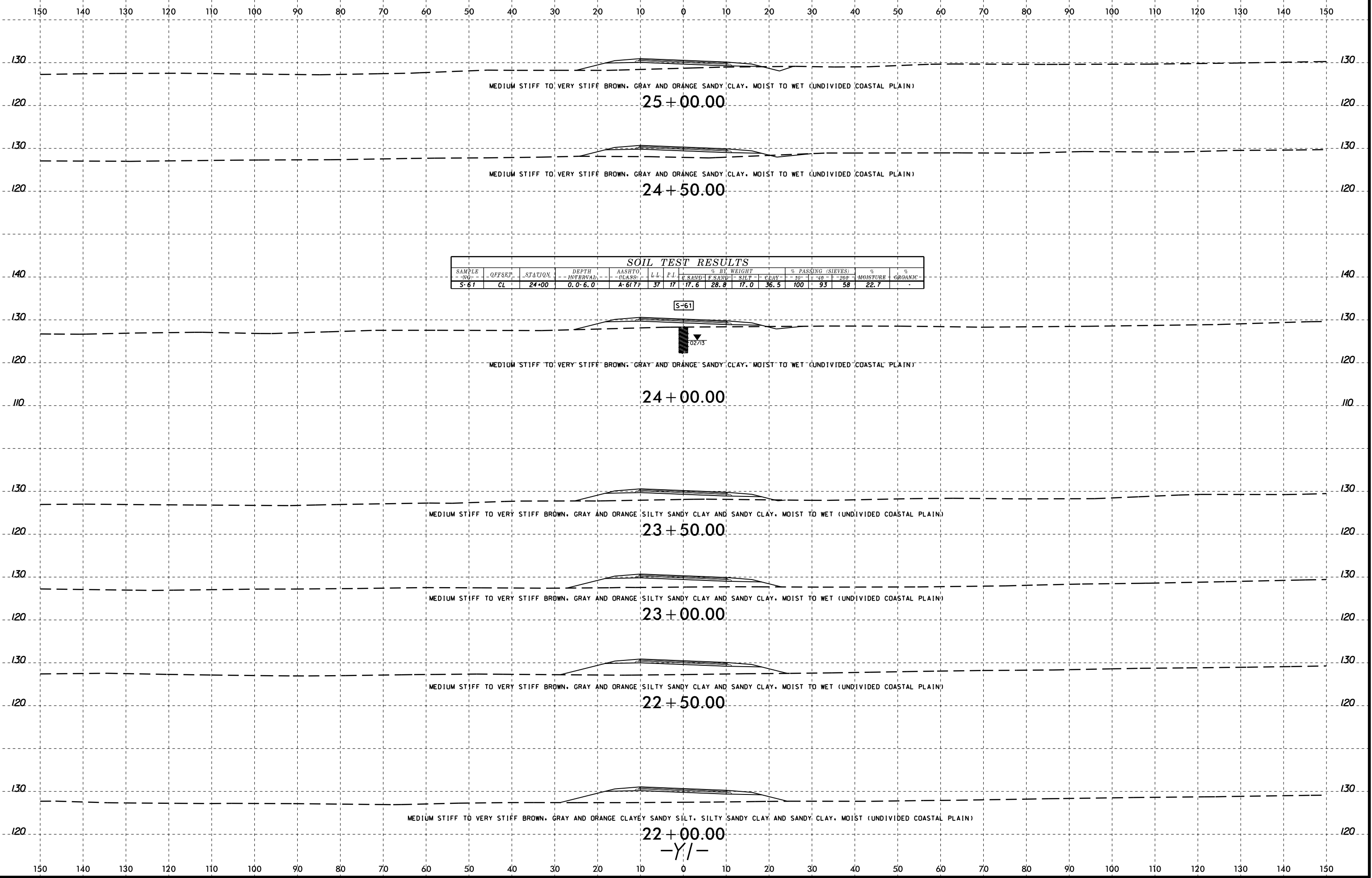


SOIL TEST RESULTS

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-4A	CL	20+00	1.0-2.5	A-6(10)	35	18	12.3	26.1	23.2	38.4	100	95	67	-	-
SS-5A	CL	20+00	6.0-7.5	A-6(10)	37	20	12.9	28.5	22.1	36.4	100	95	64	-	-
SS-6A	CL	20+00	8.5-10.0	A-7-6(11)	49	26	11.5	36.6	13.4	38.4	100	98	54	-	-

SS-4A
SS-5A
SS-6A

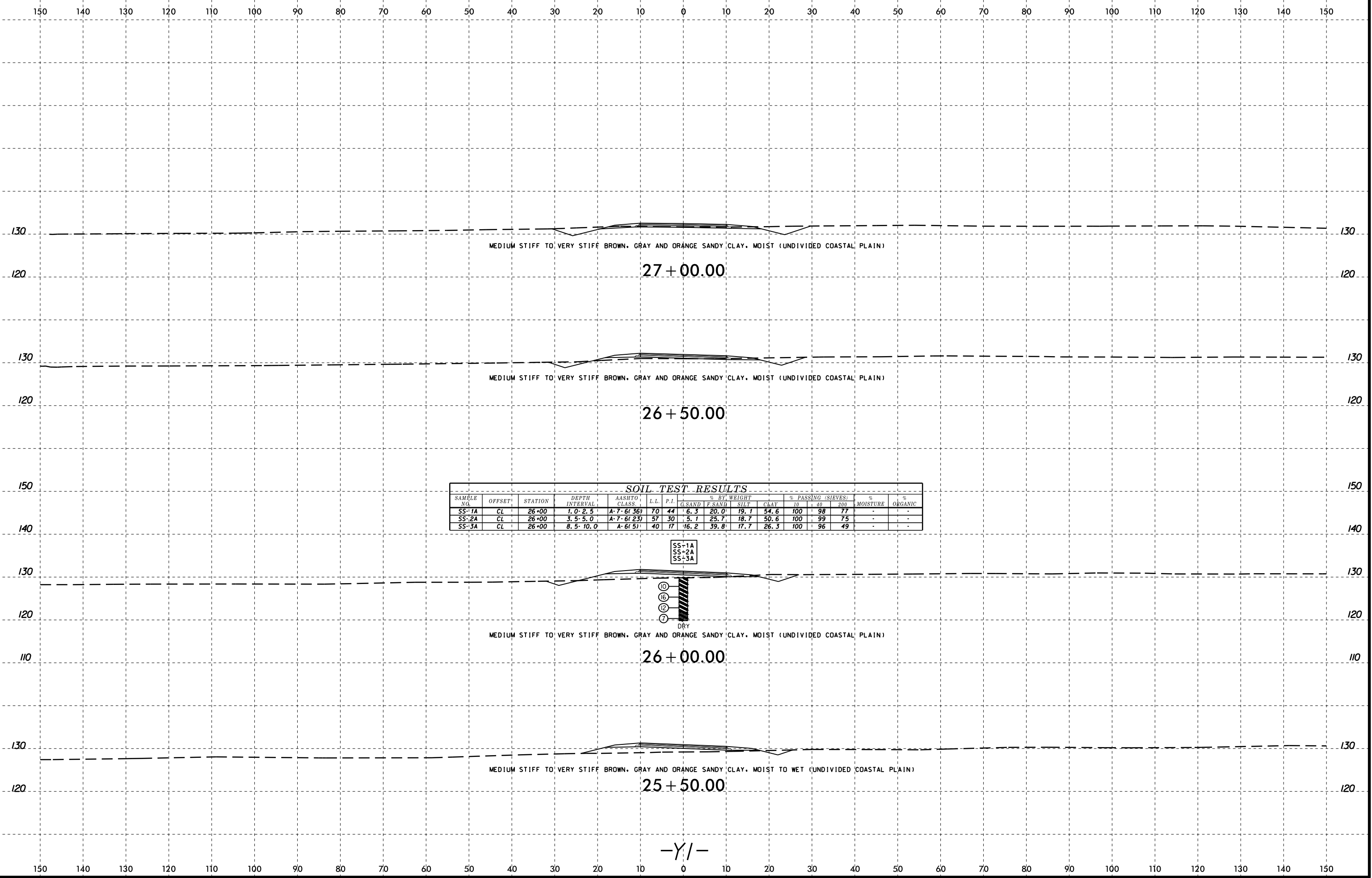




SOIL TEST RESULTS

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-61	CL	24+00	0.0-6.0	A-6(7)	37	17	17.6	28.8	17.0	36.5	100	93	58	22.7	-

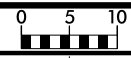
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 Atty: JEG/7/23/99
 Co: Turner



SOIL TEST RESULTS

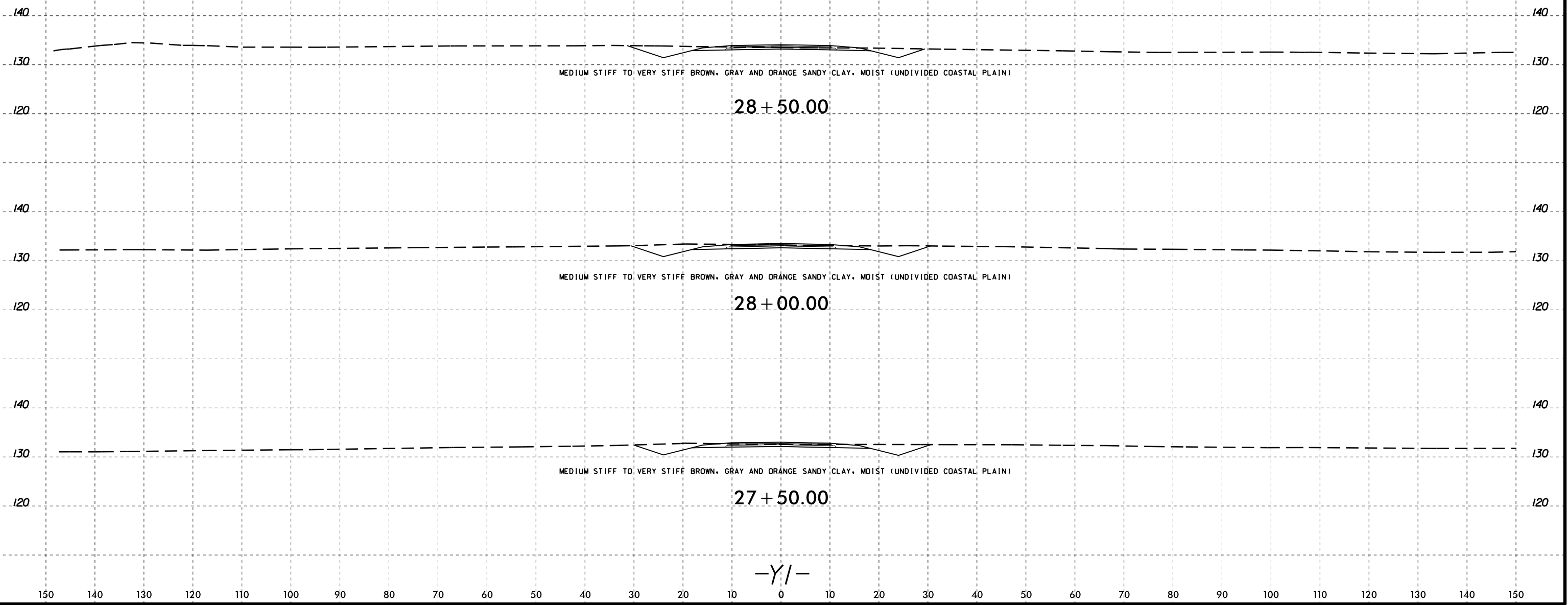
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							G. SAND	F. SAND	SILT	10	40	200			
SS-1A	CL	26+00	1.0-2.5	A-7-6(36)	70	44	6.3	20.0	19.1	54.6	100	98	77	-	-
SS-2A	CL	26+00	3.5-5.0	A-7-6(23)	57	30	5.1	25.7	18.7	50.6	100	99	75	-	-
SS-3A	CL	26+00	8.5-10.0	A-6(5)	40	17	16.2	39.8	17.7	26.3	100	96	49	-	-

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2582A	217

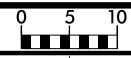
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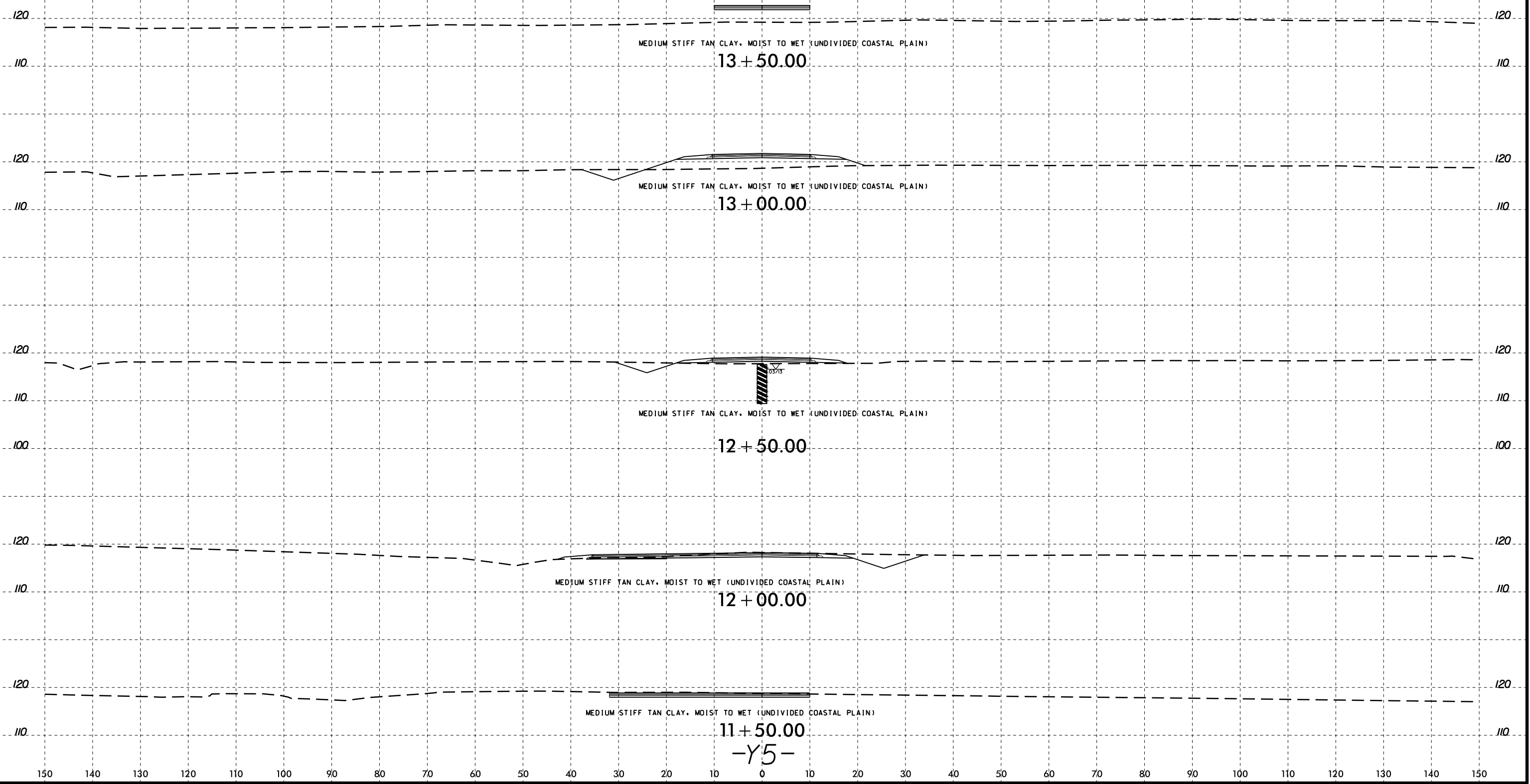
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8/23/99



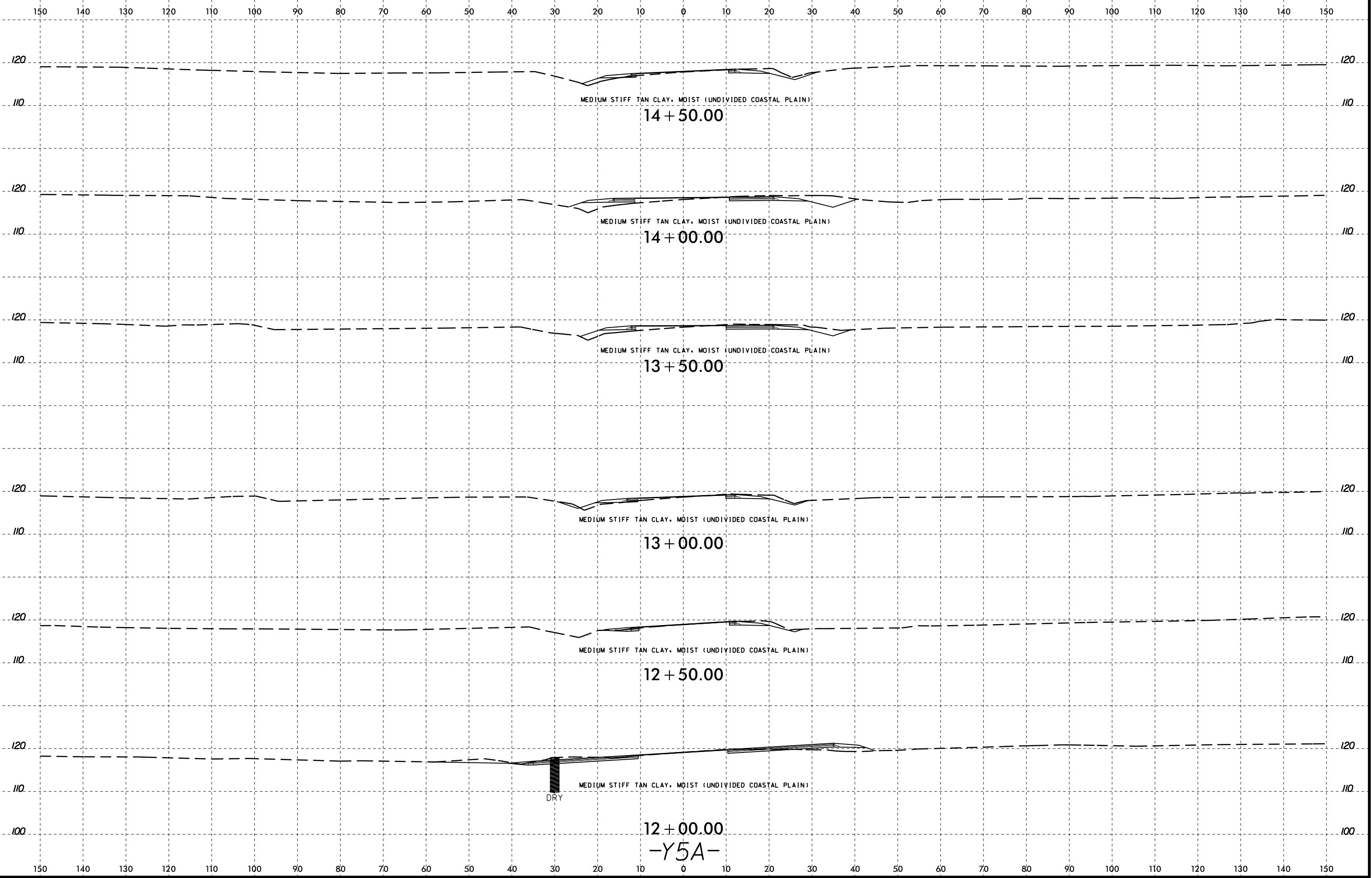
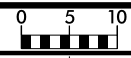
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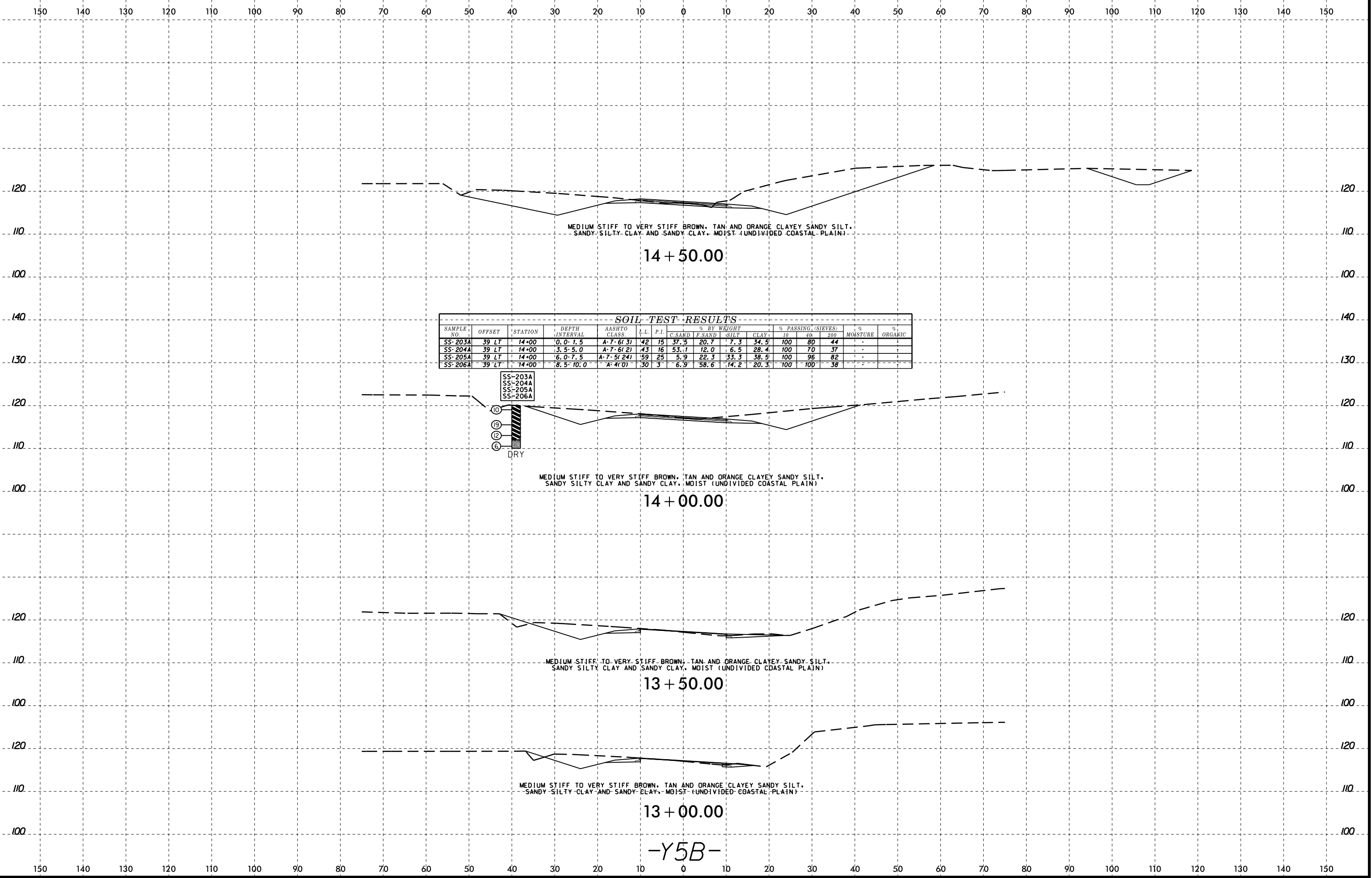


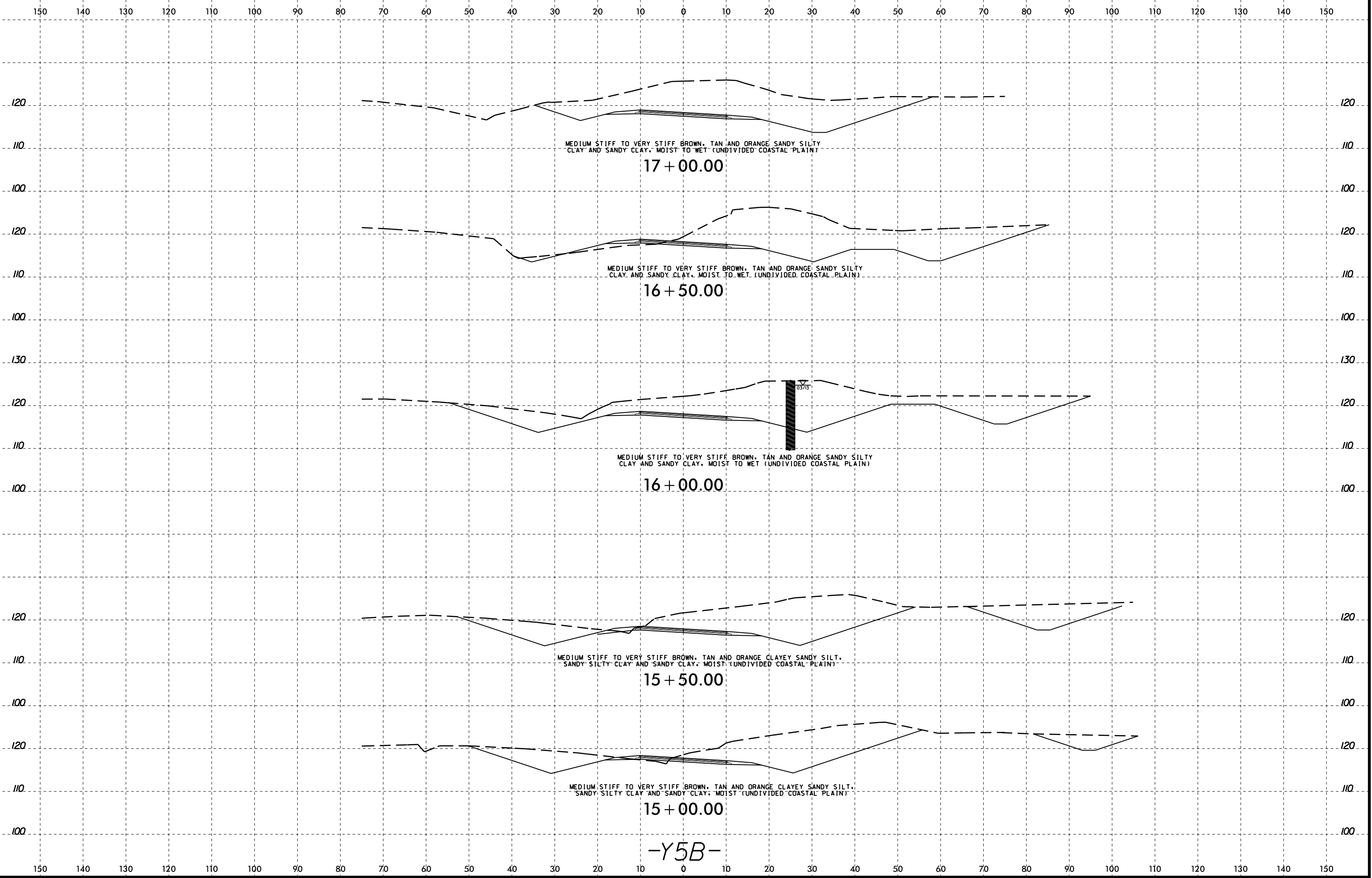
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8/23/99

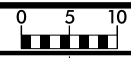


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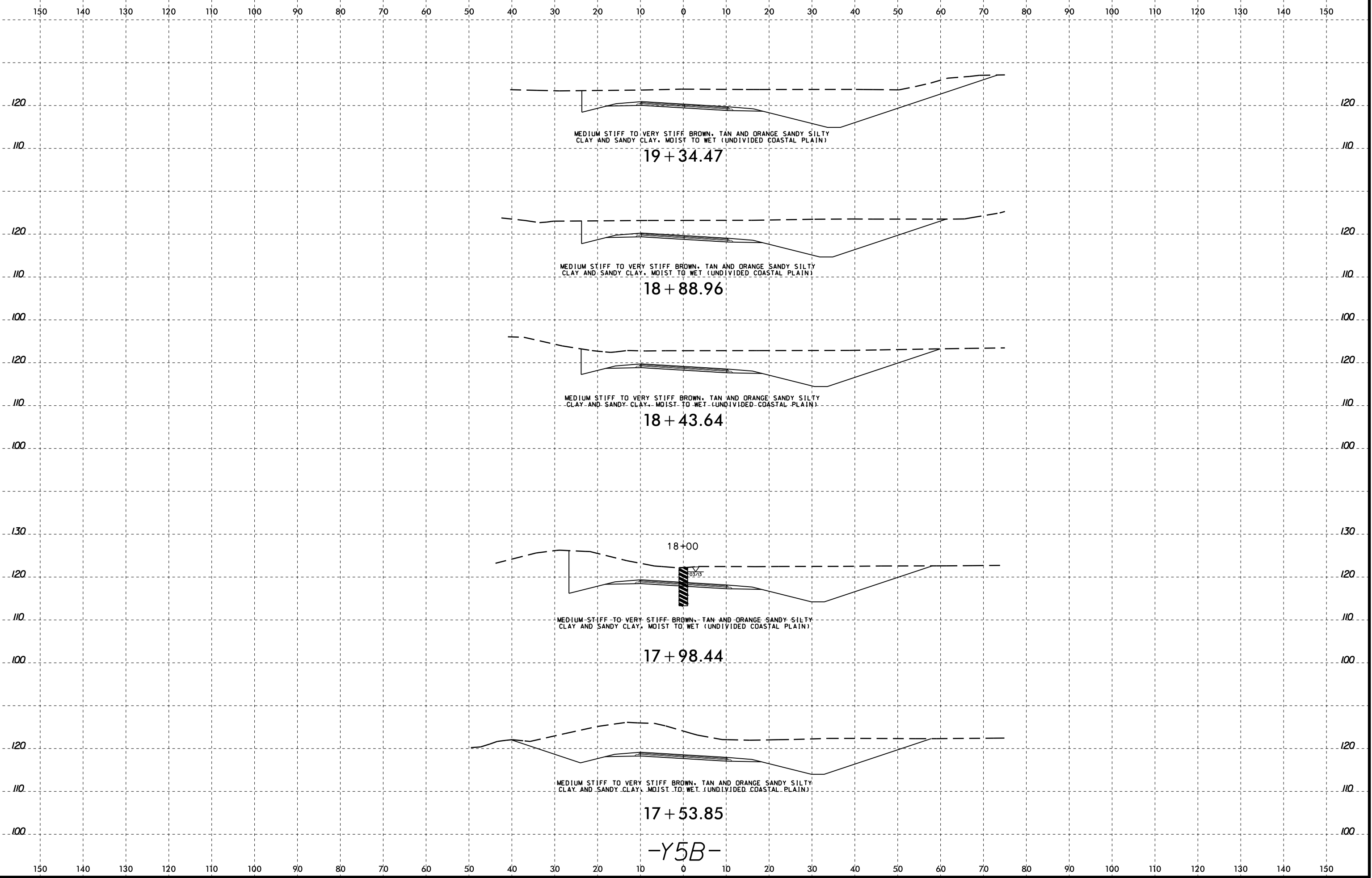




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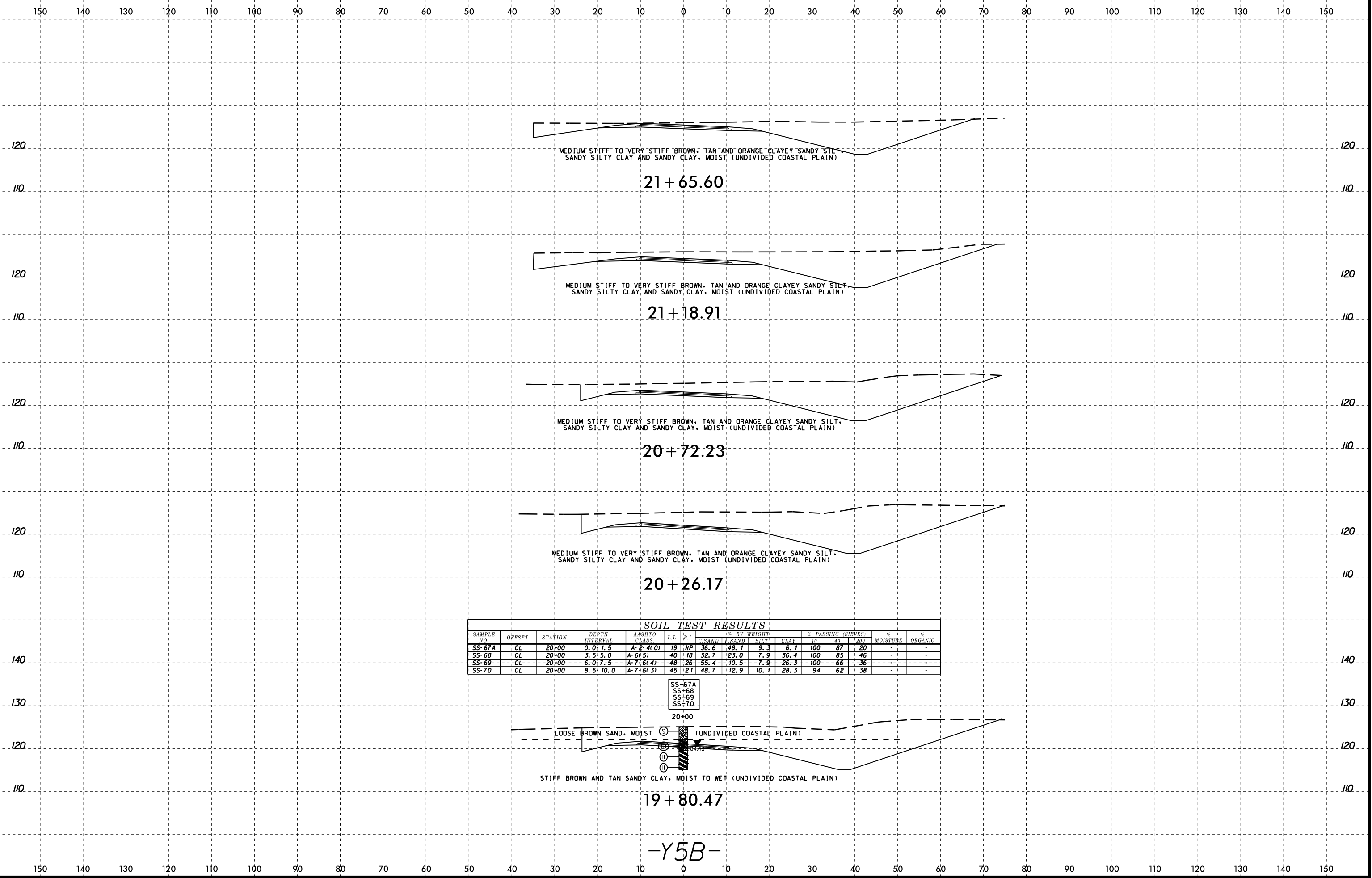
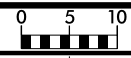
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R-2582A	222



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8/23/99



MEDIUM STIFF TO VERY STIFF BROWN, TAN AND ORANGE CLAYEY SANDY SILT, SANDY SILTY CLAY AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

21+65.60

MEDIUM STIFF TO VERY STIFF BROWN, TAN AND ORANGE CLAYEY SANDY SILT, SANDY SILTY CLAY AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

21+18.91

MEDIUM STIFF TO VERY STIFF BROWN, TAN AND ORANGE CLAYEY SANDY SILT, SANDY SILTY CLAY AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

20+72.23

MEDIUM STIFF TO VERY STIFF BROWN, TAN AND ORANGE CLAYEY SANDY SILT, SANDY SILTY CLAY AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

20+26.17

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	75	40	200		
SS-67A	CL	20+00	0.0' 1.5'	A-2-4(0)	19	NP	36.6	48.1	9.3	6.1	100	87	20	-	-
SS-68	CL	20+00	3.5' 5.0'	A-6(5)	40	18	32.7	23.0	7.9	36.4	100	85	46	-	-
SS-69	CL	20+00	6.0' 7.5'	A-7-6(4)	48	26	55.4	10.5	7.9	26.3	100	66	36	-	-
SS-70	CL	20+00	8.5' 10.0'	A-7-6(3)	45	21	48.7	12.9	10.1	28.3	94	62	38	-	-

SS-67A
SS-68
SS-69
SS-70

LOOSE BROWN SAND, MOIST (UNDIVIDED COASTAL PLAIN)

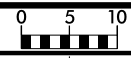
STIFF BROWN AND TAN SANDY CLAY, MOIST TO WET (UNDIVIDED COASTAL PLAIN)

19+80.47

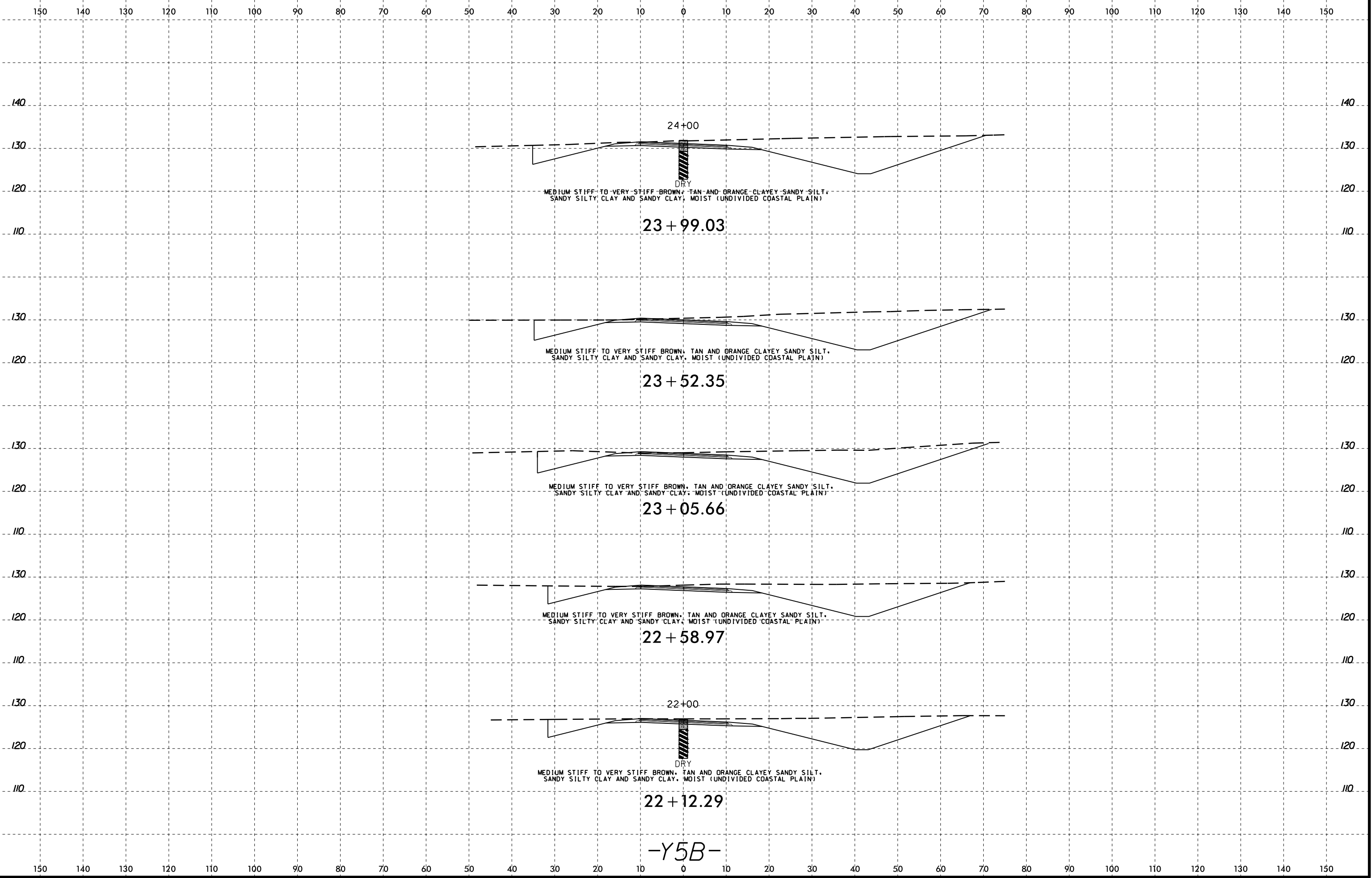
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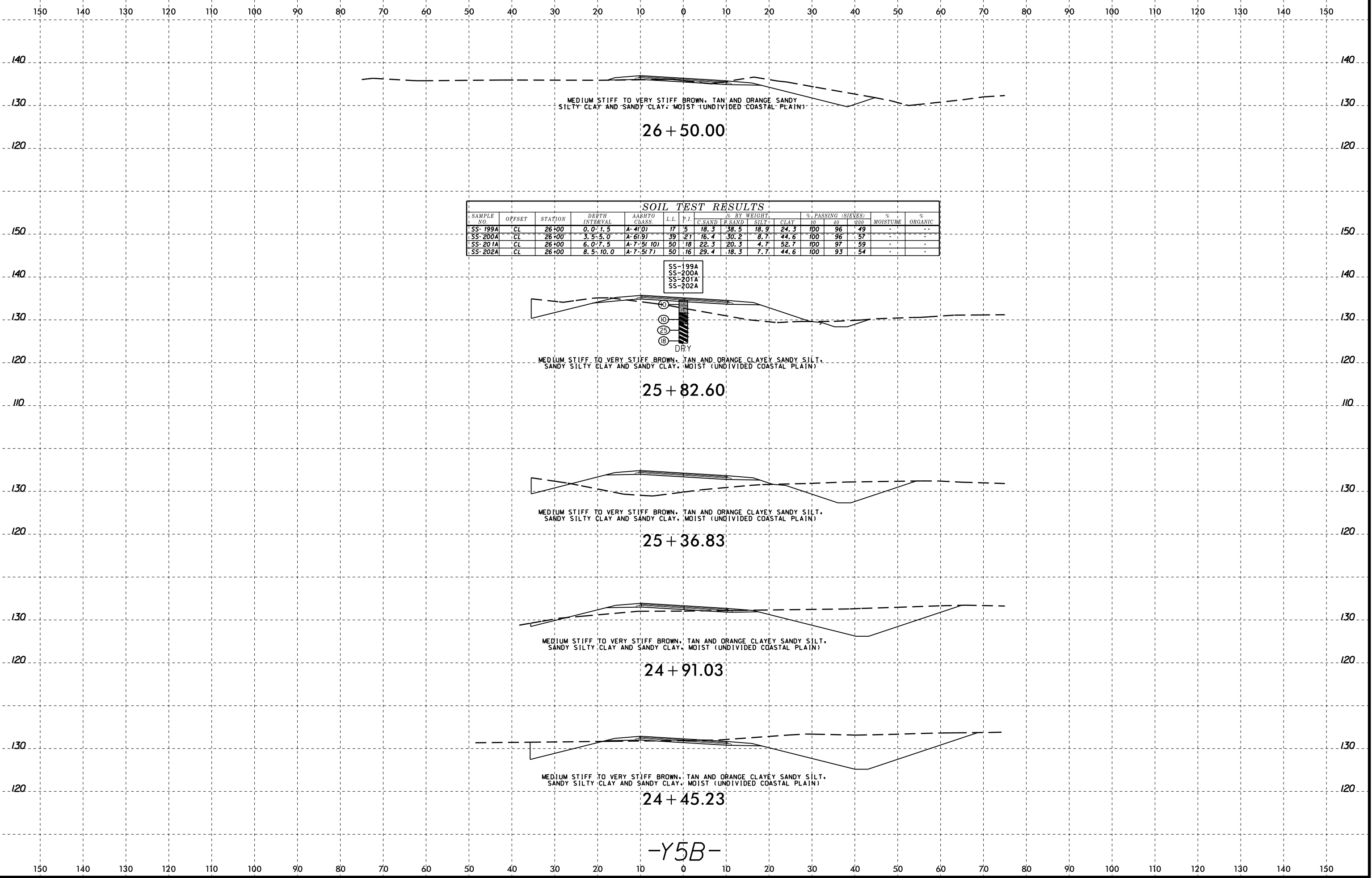


PROJ. REFERENCE NO.	SHEET NO.
R-2582A	224



-Y5B-

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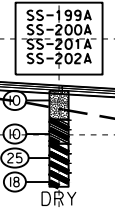


MEDIUM STIFF TO VERY STIFF BROWN, TAN AND ORANGE SANDY SILTY CLAY AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

26 + 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-199A	CL	26+00	0.0-1.5	A-4(0)	17	5	18.3	38.5	18.9	24.3	100	96	49	-
SS-200A	CL	26+00	3.5-5.0	A-6(9)	39	21	16.4	30.2	8.7	44.6	100	96	57	-
SS-201A	CL	26+00	6.0-7.5	A-7(5(10))	50	18	22.3	20.3	4.7	52.7	100	97	59	-
SS-202A	CL	26+00	8.5-10.0	A-7(5(7))	50	16	29.4	18.3	7.7	44.6	100	93	54	-



MEDIUM STIFF TO VERY STIFF BROWN, TAN AND ORANGE CLAYEY SANDY SILT, SANDY SILTY CLAY AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

25 + 82.60

MEDIUM STIFF TO VERY STIFF BROWN, TAN AND ORANGE CLAYEY SANDY SILT, SANDY SILTY CLAY AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

25 + 36.83

MEDIUM STIFF TO VERY STIFF BROWN, TAN AND ORANGE CLAYEY SANDY SILT, SANDY SILTY CLAY AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

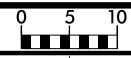
24 + 91.03

MEDIUM STIFF TO VERY STIFF BROWN, TAN AND ORANGE CLAYEY SANDY SILT, SANDY SILTY CLAY AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

24 + 45.23

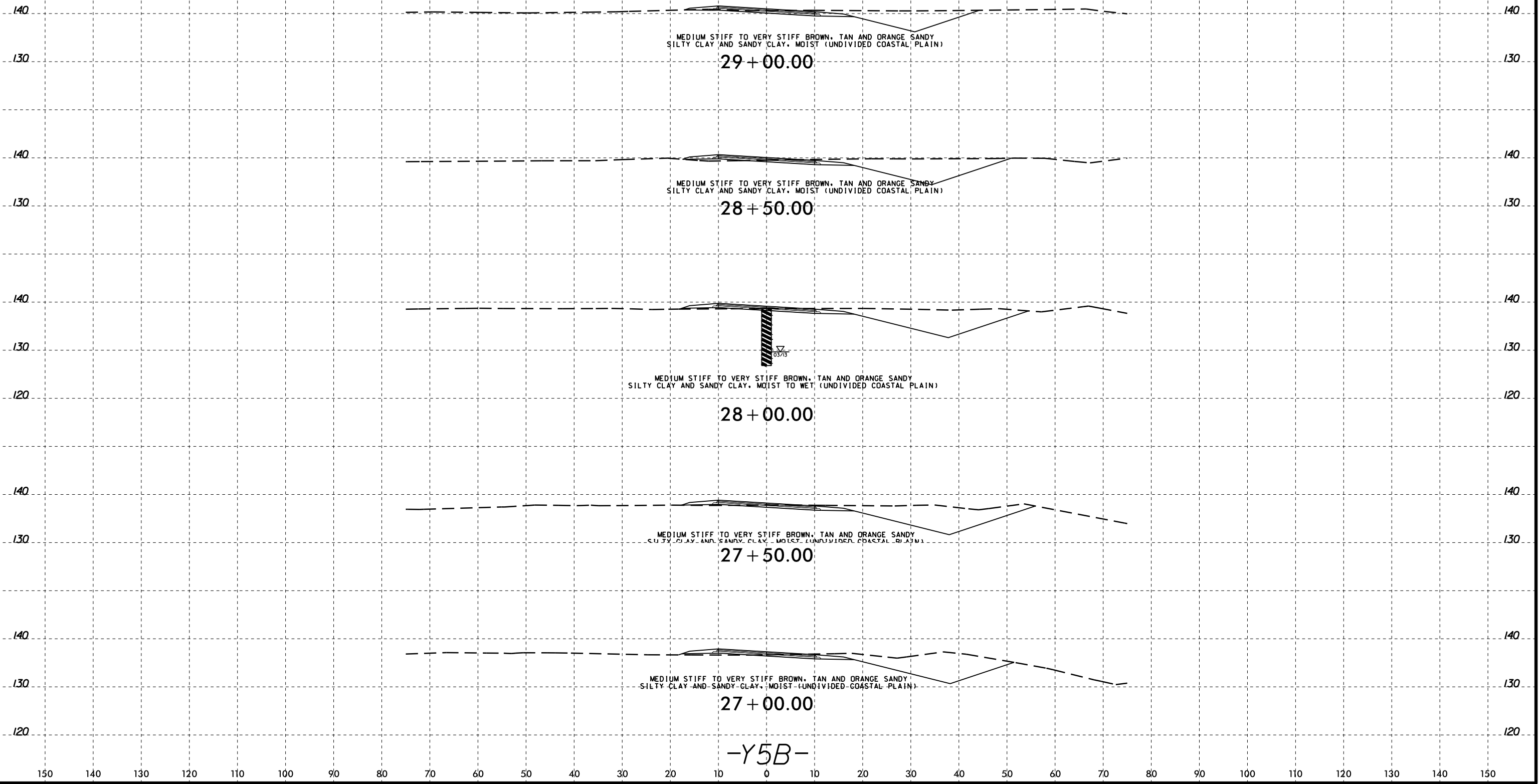
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8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2582A	226

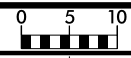
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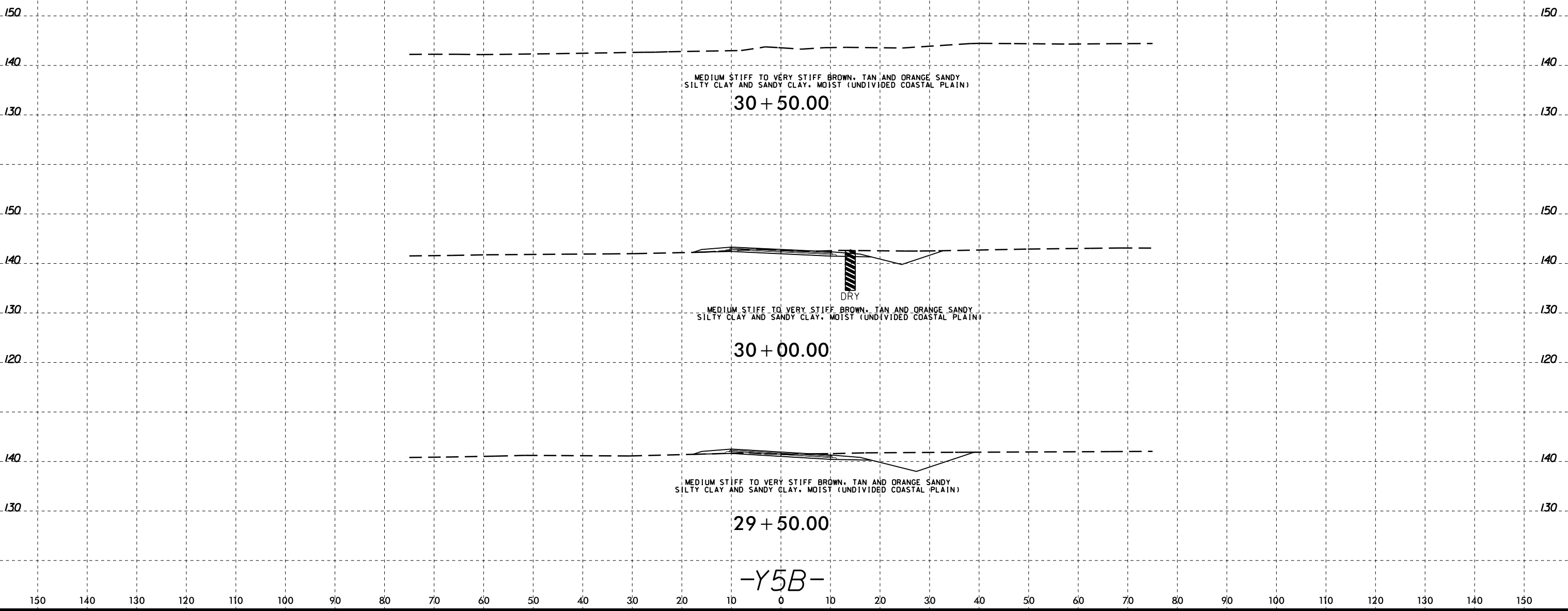
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8/23/99



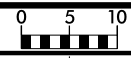
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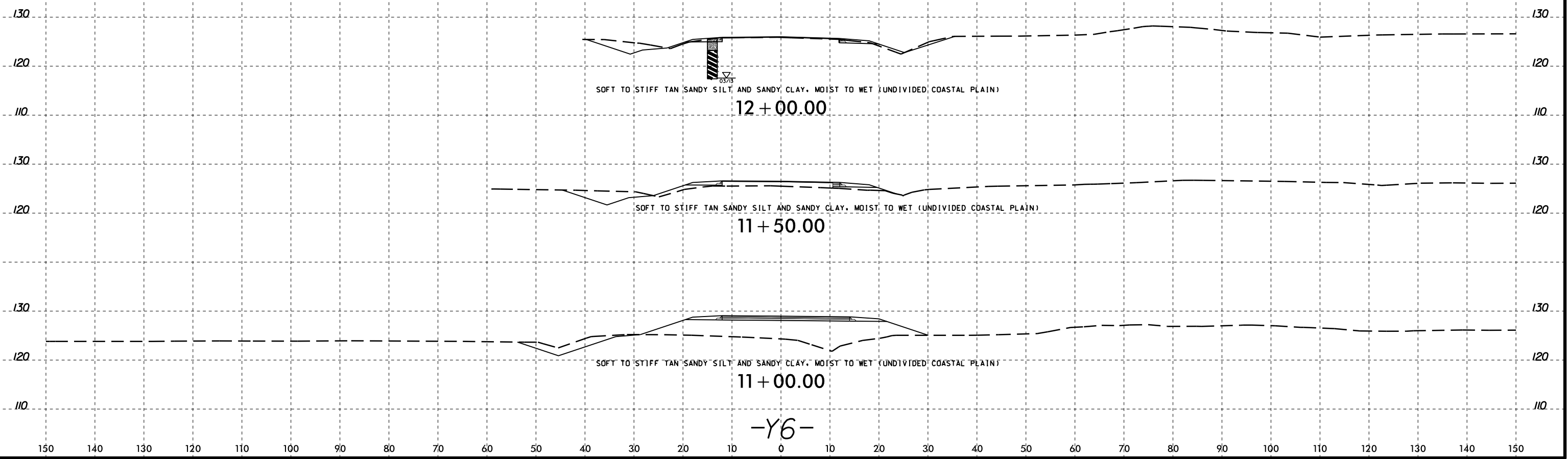
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8/23/99



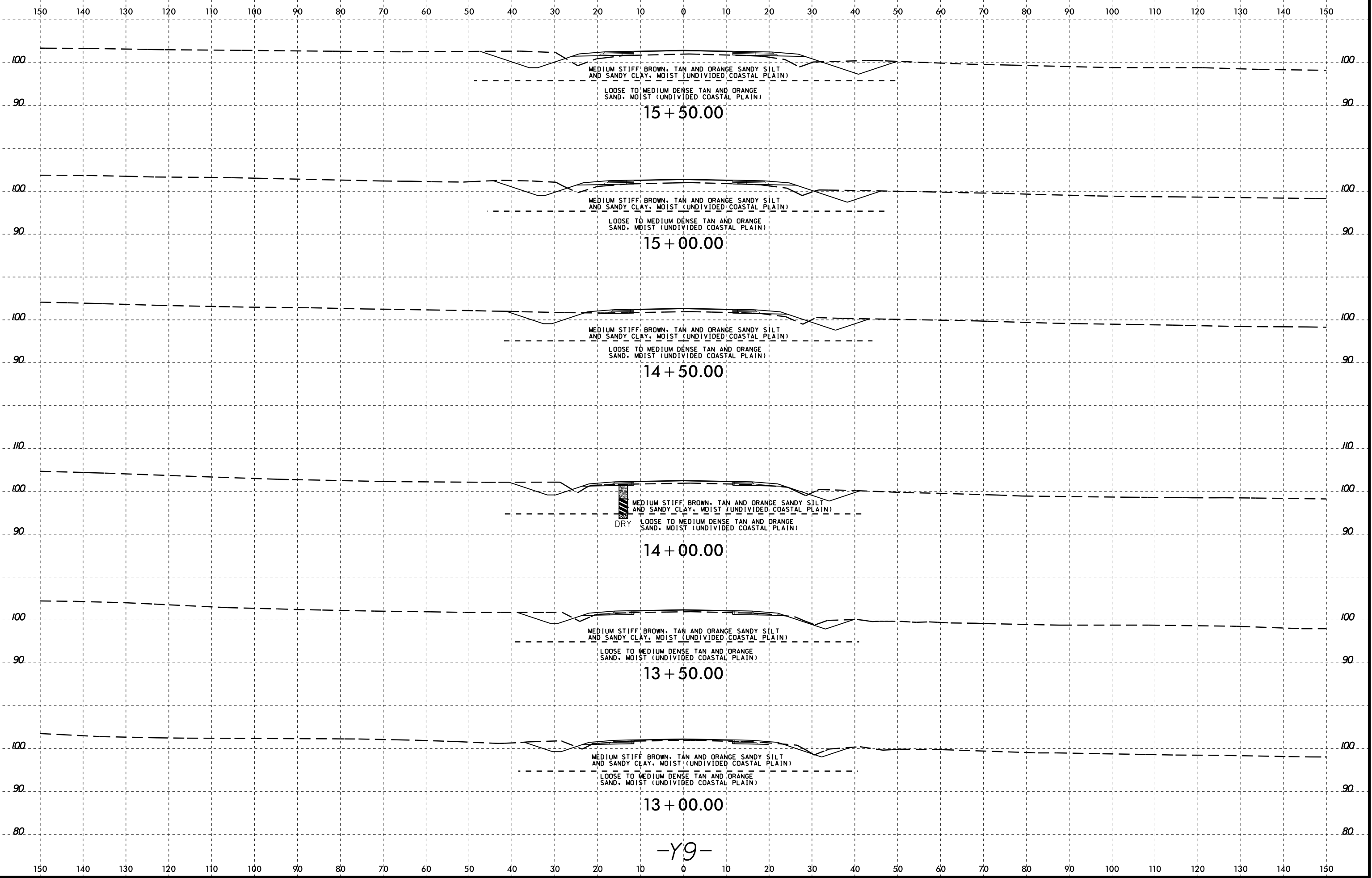
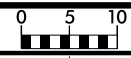
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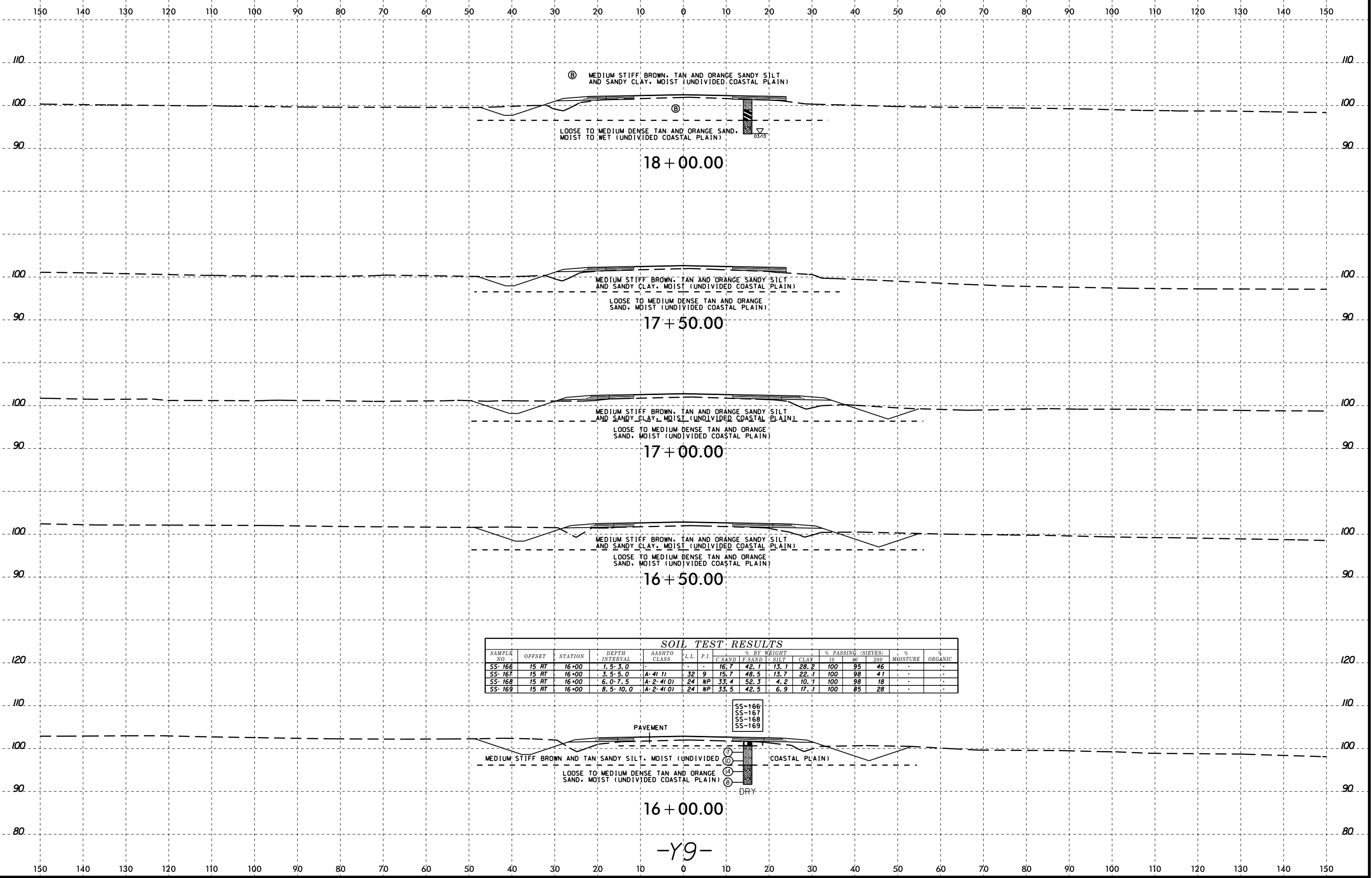
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 G. Turner



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 At: 16 FEB 27 2015
 G. Turner

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8/23/99



SOIL TEST RESULTS

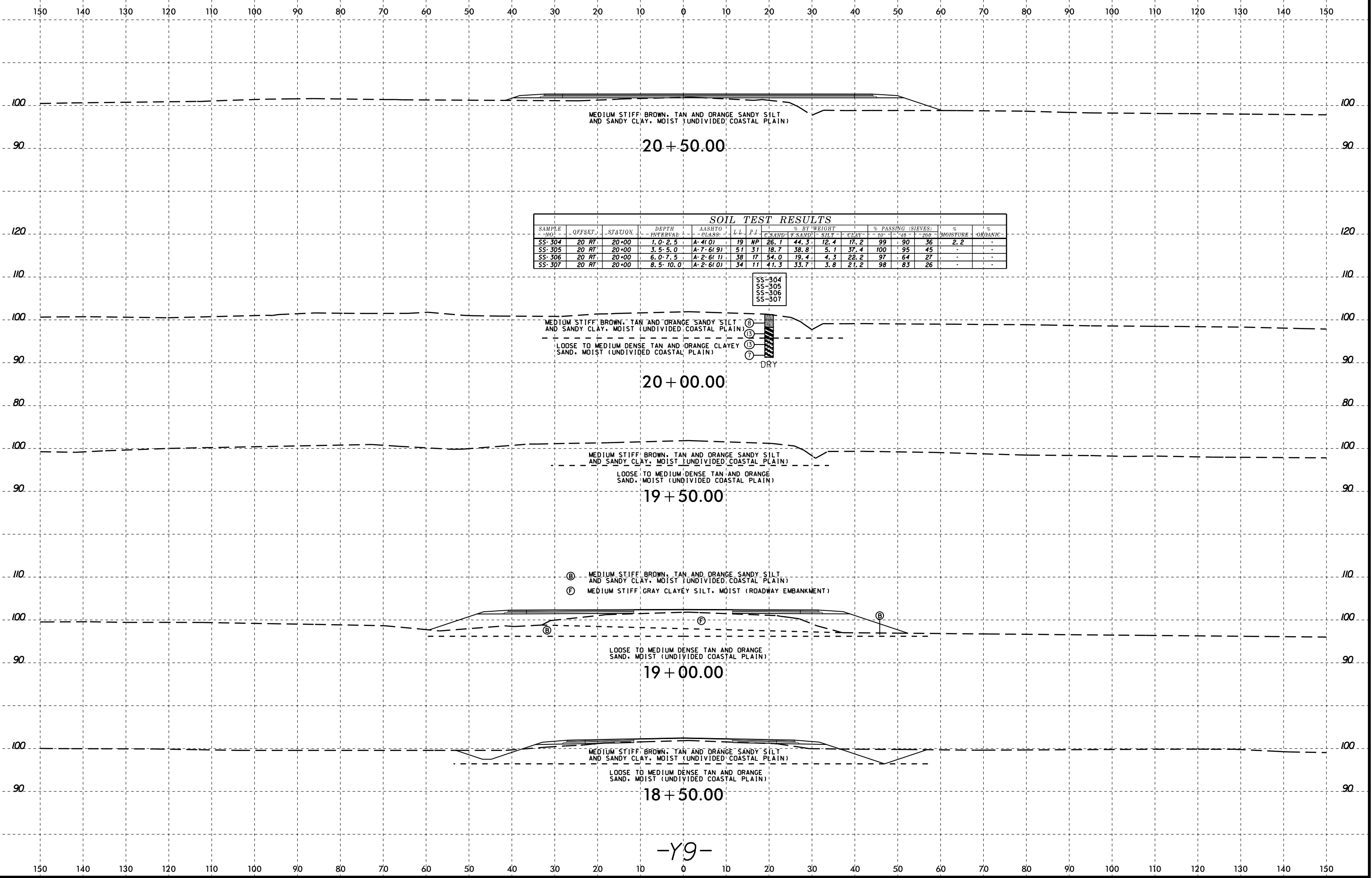
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							C.SAND	F.SAND	SILT	CLAY	10	40	200	MOISTURE	ORGANIC
SS-166	15 RT	16+00	1.5-3.0	A-4(1)	32	9	16.7	42.1	13.1	28.2	100	95	46	-	-
SS-167	15 RT	16+00	3.5-5.0	A-4(1)	32	9	15.7	48.5	13.7	22.1	100	98	41	-	-
SS-168	15 RT	16+00	6.0-7.5	A-2-4(0)	24	NP	33.4	52.3	4.2	10.1	100	98	18	-	-
SS-169	15 RT	16+00	8.5-10.0	A-2-4(0)	24	NP	33.5	42.5	6.9	17.1	100	85	28	-	-

SS-166
SS-167
SS-168
SS-169

16+00.00

-Y9-

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 By: Turner

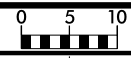


SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INFEET	AASHTO CLASS.	LL	PI	% BY WEIGHT			% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							SAND	SILT	CLAY	#10	#40	#200		
SS-304	20 RT	20+00	1.0-2.5	A-4(0)	19	NP	26.1	44.3	12.4	17.2	99	90	36	2.2
SS-305	20 RT	20+00	3.5-5.0	A-7-6(9)	51	31	18.7	38.8	5.1	37.4	100	95	45	-
SS-306	20 RT	20+00	6.0-7.5	A-2-6(1)	38	17	54.0	19.4	4.3	22.2	97	64	27	-
SS-307	20 RT	20+00	8.5-10.0	A-2-6(0)	34	11	41.3	33.7	3.8	21.2	98	83	26	-

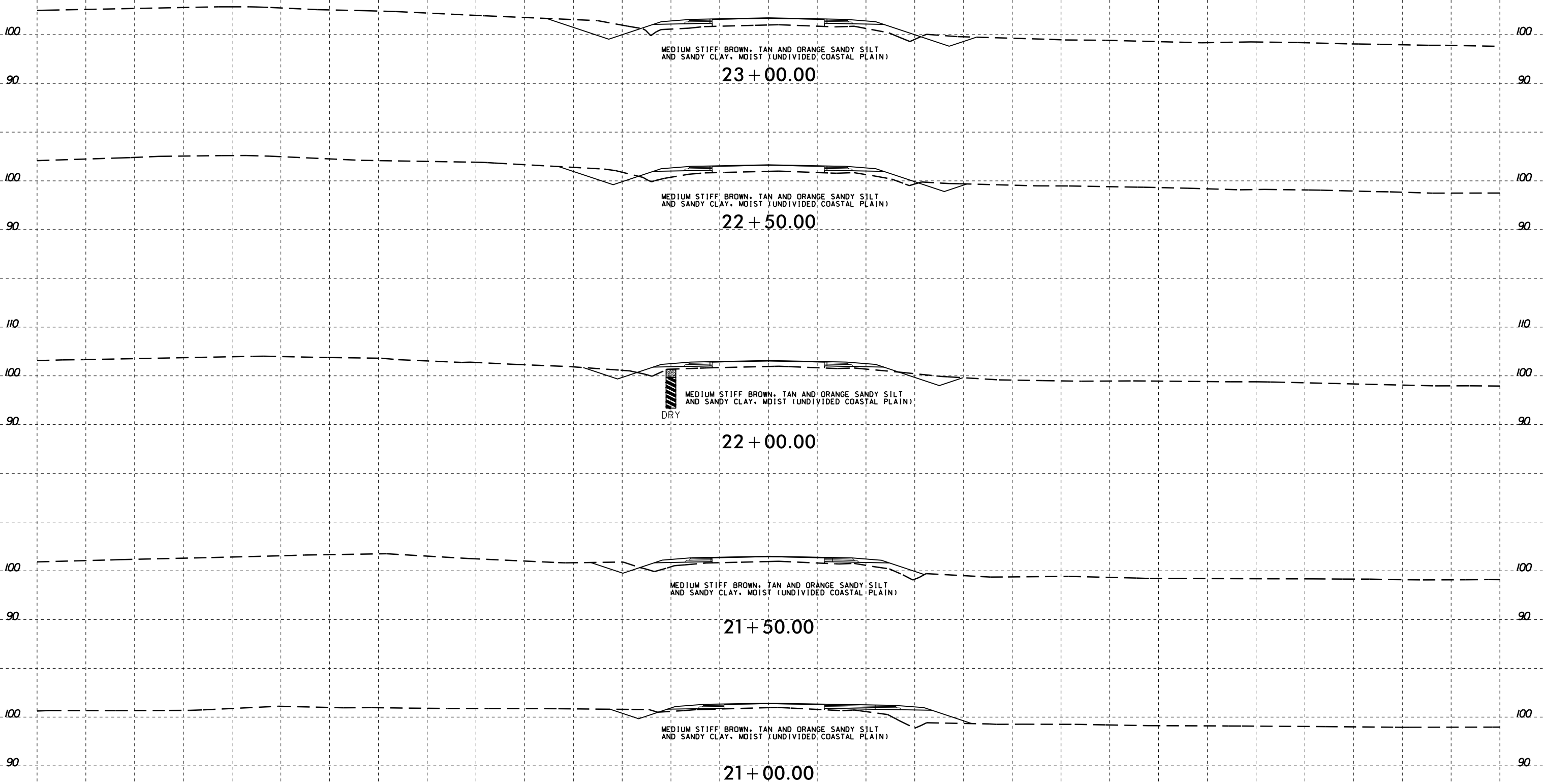
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8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2582A	232

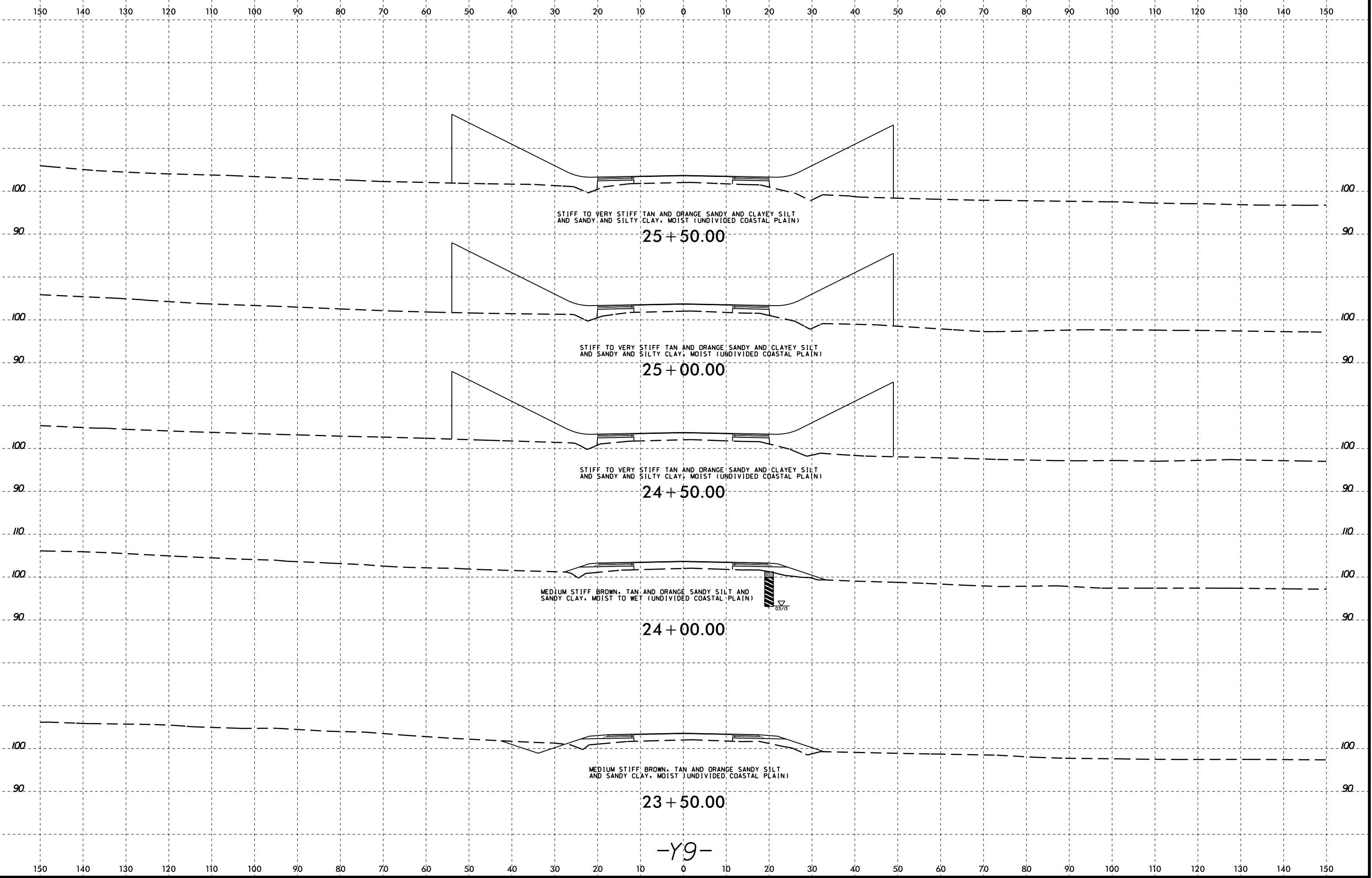
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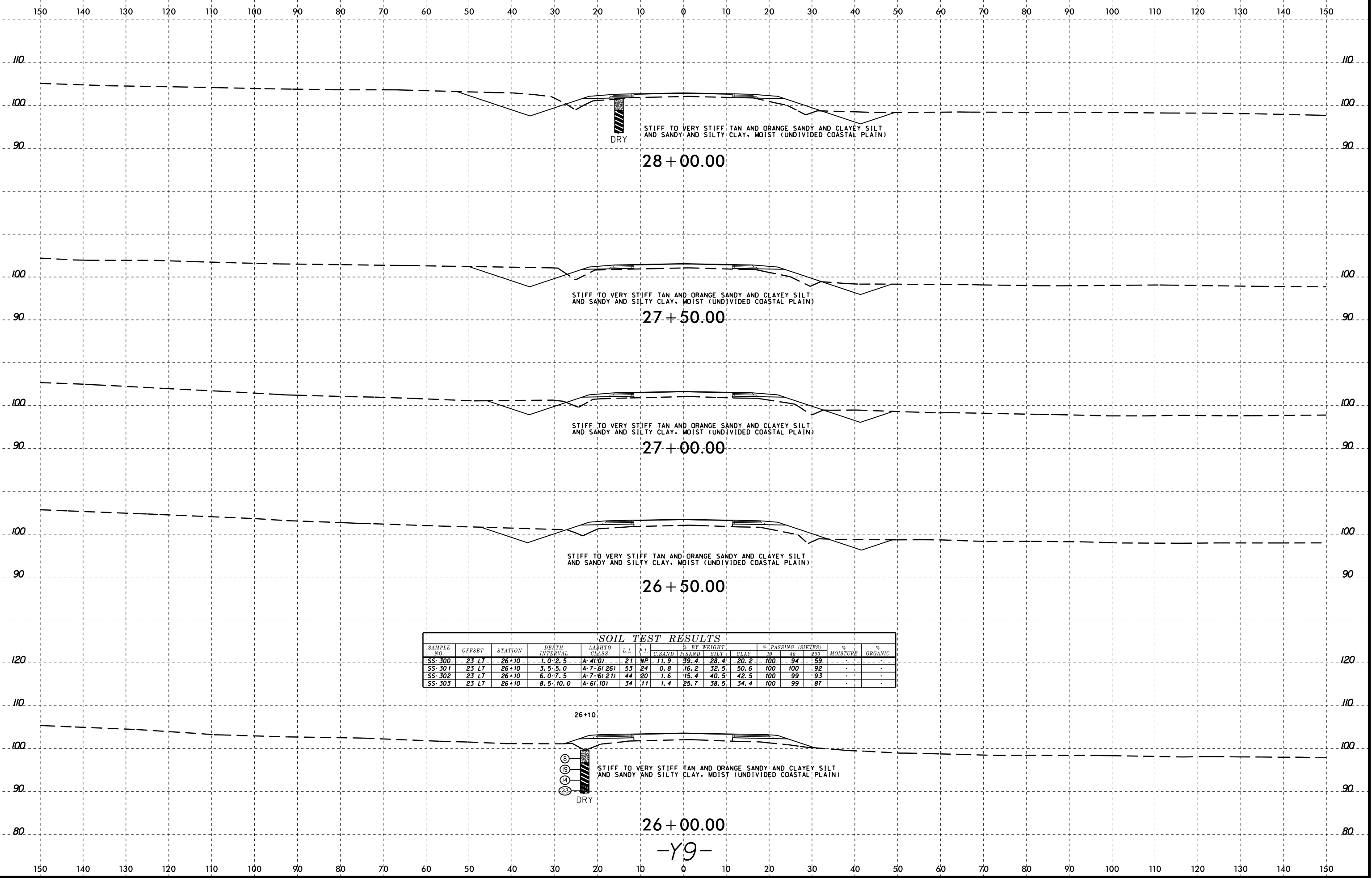
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8/23/99



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 At: 06/27/2015
 Co: Turner



DRY

STIFF TO VERY STIFF TAN AND ORANGE SANDY AND CLAYEY SILT AND SANDY AND SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

28 + 00.00

STIFF TO VERY STIFF TAN AND ORANGE SANDY AND CLAYEY SILT AND SANDY AND SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

27 + 50.00

STIFF TO VERY STIFF TAN AND ORANGE SANDY AND CLAYEY SILT AND SANDY AND SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

27 + 00.00

STIFF TO VERY STIFF TAN AND ORANGE SANDY AND CLAYEY SILT AND SANDY AND SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

26 + 50.00

26+10

8
19
14
23

DRY

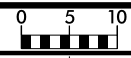
STIFF TO VERY STIFF TAN AND ORANGE SANDY AND CLAYEY SILT AND SANDY AND SILTY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

26 + 00.00

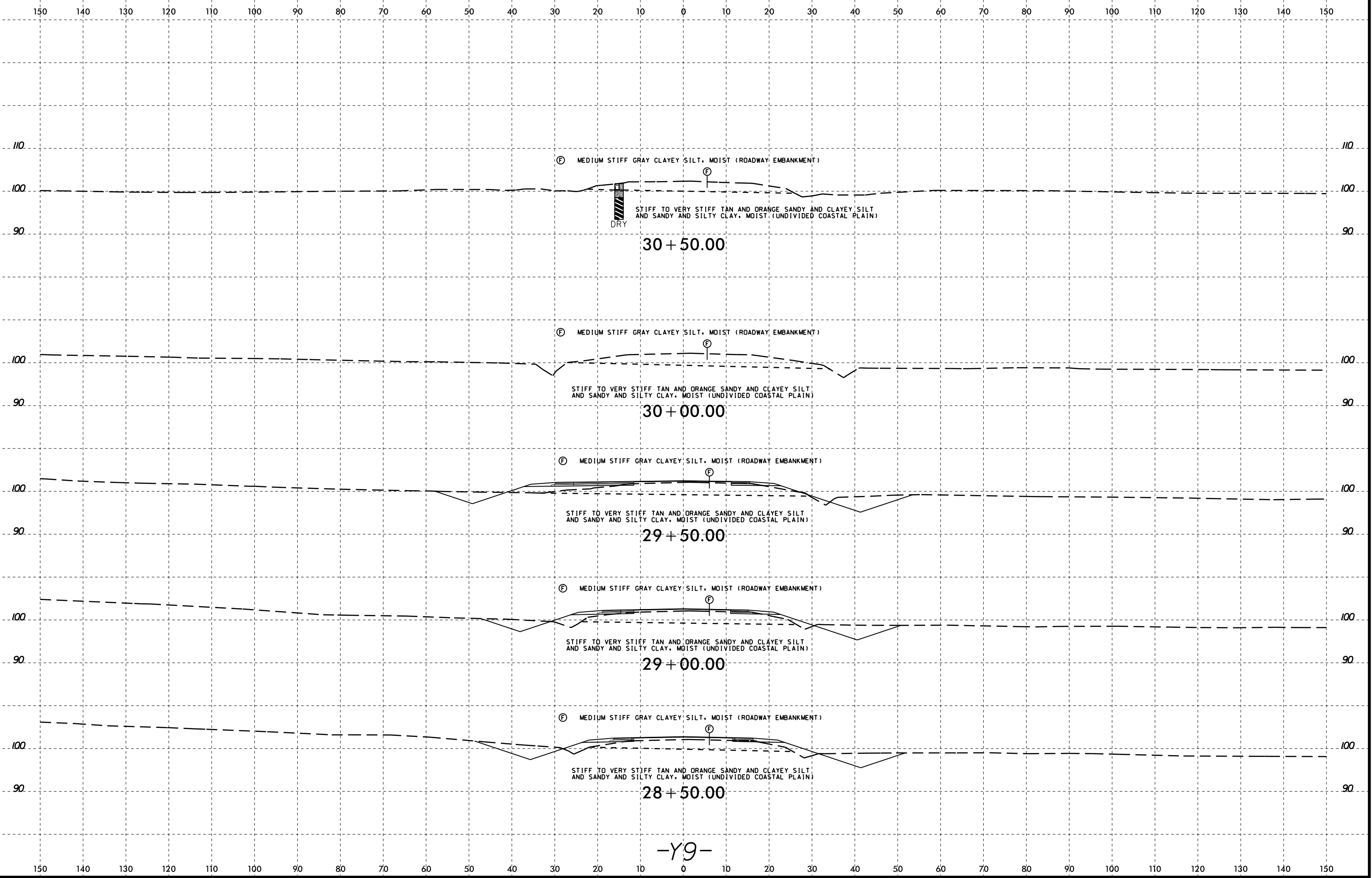
-Y9-

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AAHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C SAND	F SAND	SILT	CLAY	# 40	# 100	# 200		
SS-300	23 LT	26+10	1.0-2.5	A-4(0)	21	WP	11.9	39.4	28.4	20.2	100	94	59	-	-
SS-301	23 LT	26+10	3.5-5.0	A-7-6(26)	53	24	0.8	16.2	32.5	50.6	100	100	92	-	-
SS-302	23 LT	26+10	6.0-7.5	A-7-6(21)	44	20	1.6	15.4	40.5	42.5	100	99	93	-	-
SS-303	23 LT	26+10	8.5-10.0	A-6(10)	34	11	1.4	25.7	38.5	34.4	100	99	87	-	-

8/23/99

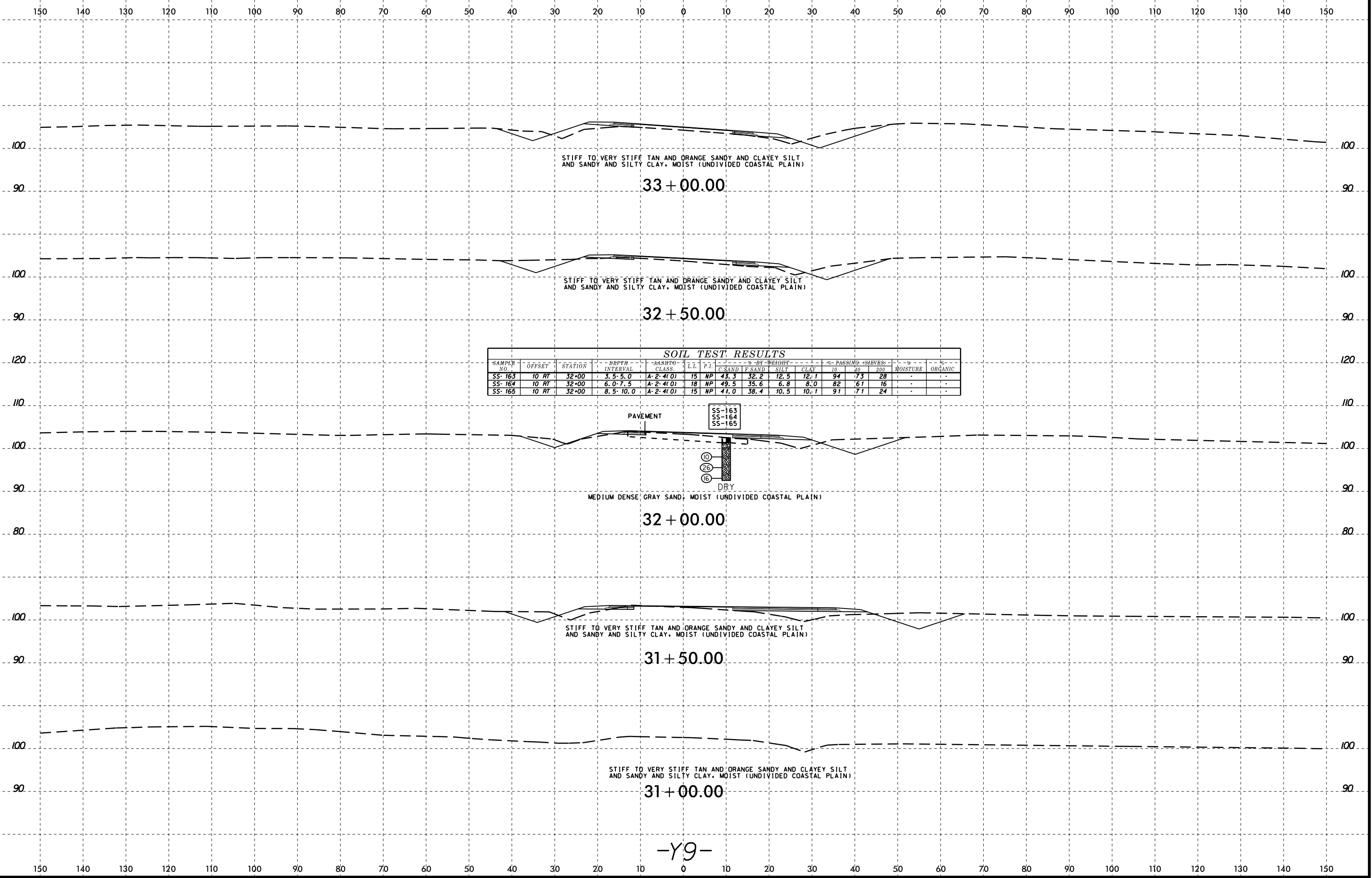


PROJ. REFERENCE NO.	SHEET NO.
R-2582A	235



-Y9-

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 At: 16/06/2015 10:59
 By: G. Turner



STIFF TO VERY STIFF TAN AND ORANGE SANDY AND CLAYEY SILT AND SANDY AND SILTY CLAY. MOIST (UNDIVIDED COASTAL PLAIN)

33 + 00.00

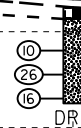
STIFF TO VERY STIFF TAN AND ORANGE SANDY AND CLAYEY SILT AND SANDY AND SILTY CLAY. MOIST (UNDIVIDED COASTAL PLAIN)

32 + 50.00

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	ASHTO CLASS	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							C SAND	F SAND	SILT	CLAY	10	40	200		
SS-163	10 RT	32+00	3.5-5.0	A-2-4(0)	15	NP	43.3	32.2	12.5	12.1	94	73	28	-	-
SS-164	10 RT	32+00	6.0-7.5	A-2-4(0)	18	NP	49.5	35.6	6.8	8.0	82	61	16	-	-
SS-165	10 RT	32+00	8.5-10.0	A-2-4(0)	15	NP	41.0	38.4	10.5	10.1	91	71	24	-	-

PAVEMENT

SS-163
SS-164
SS-165



MEDIUM DENSE GRAY SAND, MOIST (UNDIVIDED COASTAL PLAIN)

32 + 00.00

STIFF TO VERY STIFF TAN AND ORANGE SANDY AND CLAYEY SILT AND SANDY AND SILTY CLAY. MOIST (UNDIVIDED COASTAL PLAIN)

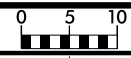
31 + 50.00

STIFF TO VERY STIFF TAN AND ORANGE SANDY AND CLAYEY SILT AND SANDY AND SILTY CLAY. MOIST (UNDIVIDED COASTAL PLAIN)

31 + 00.00

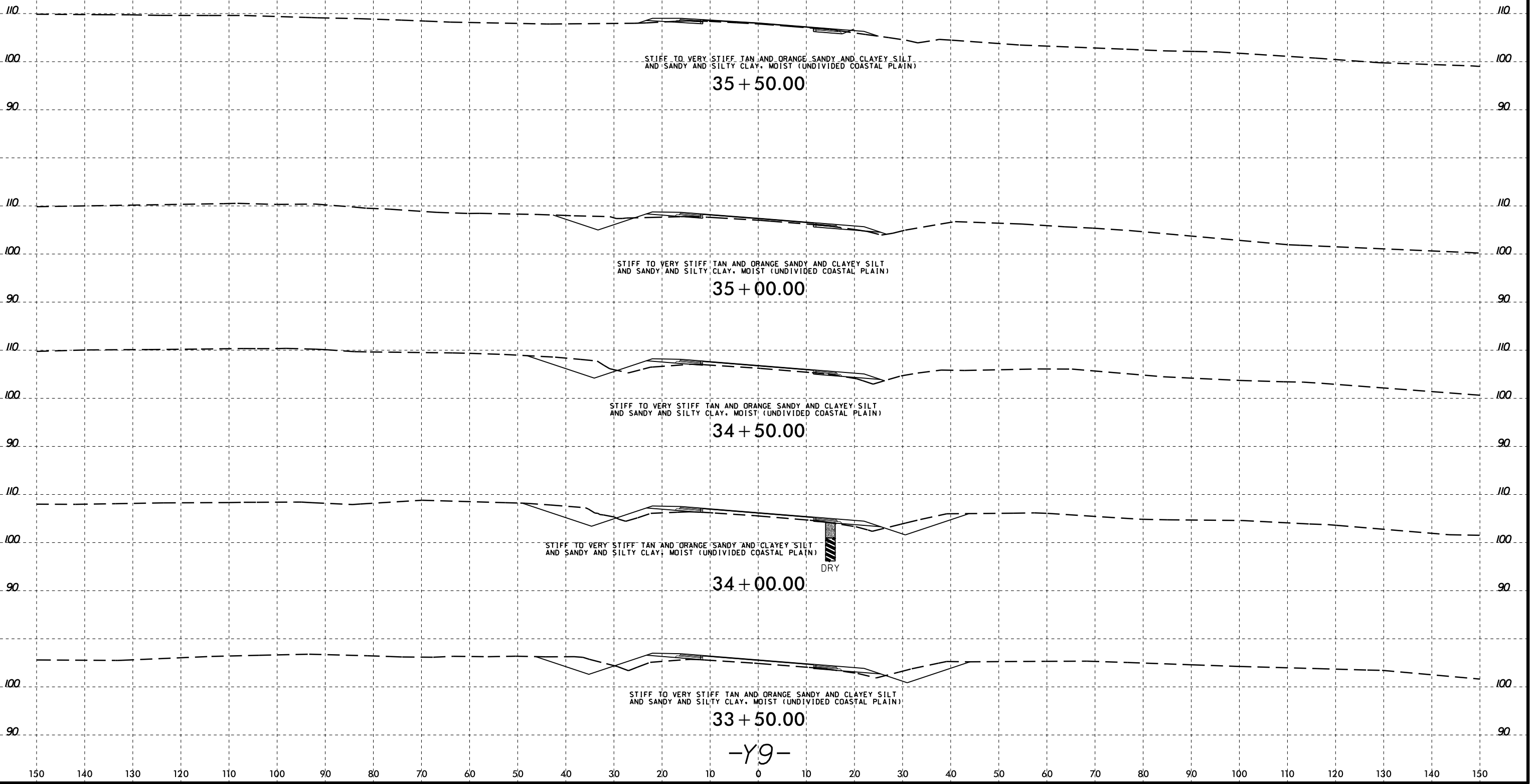
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8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2582A	237

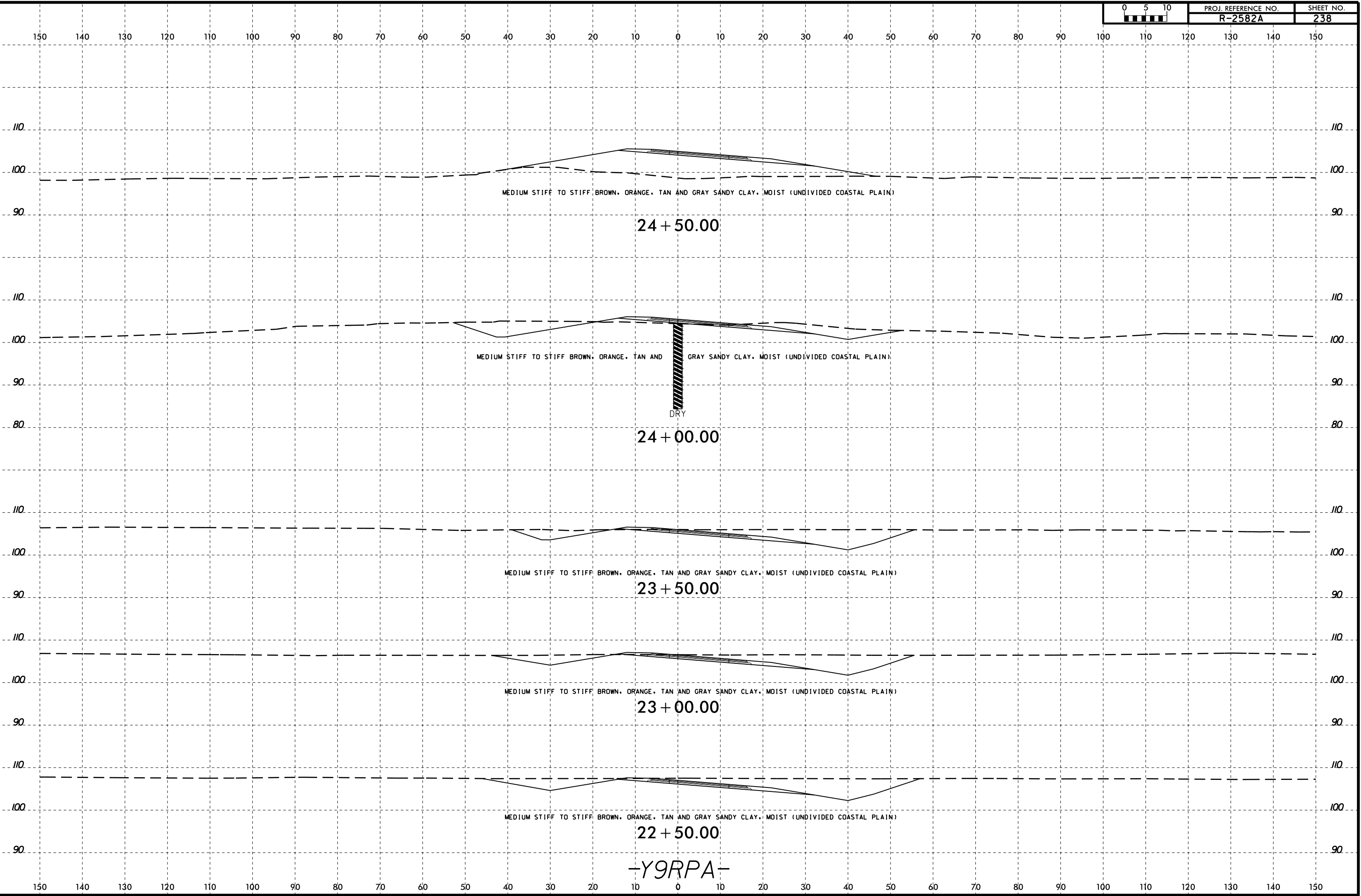
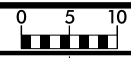
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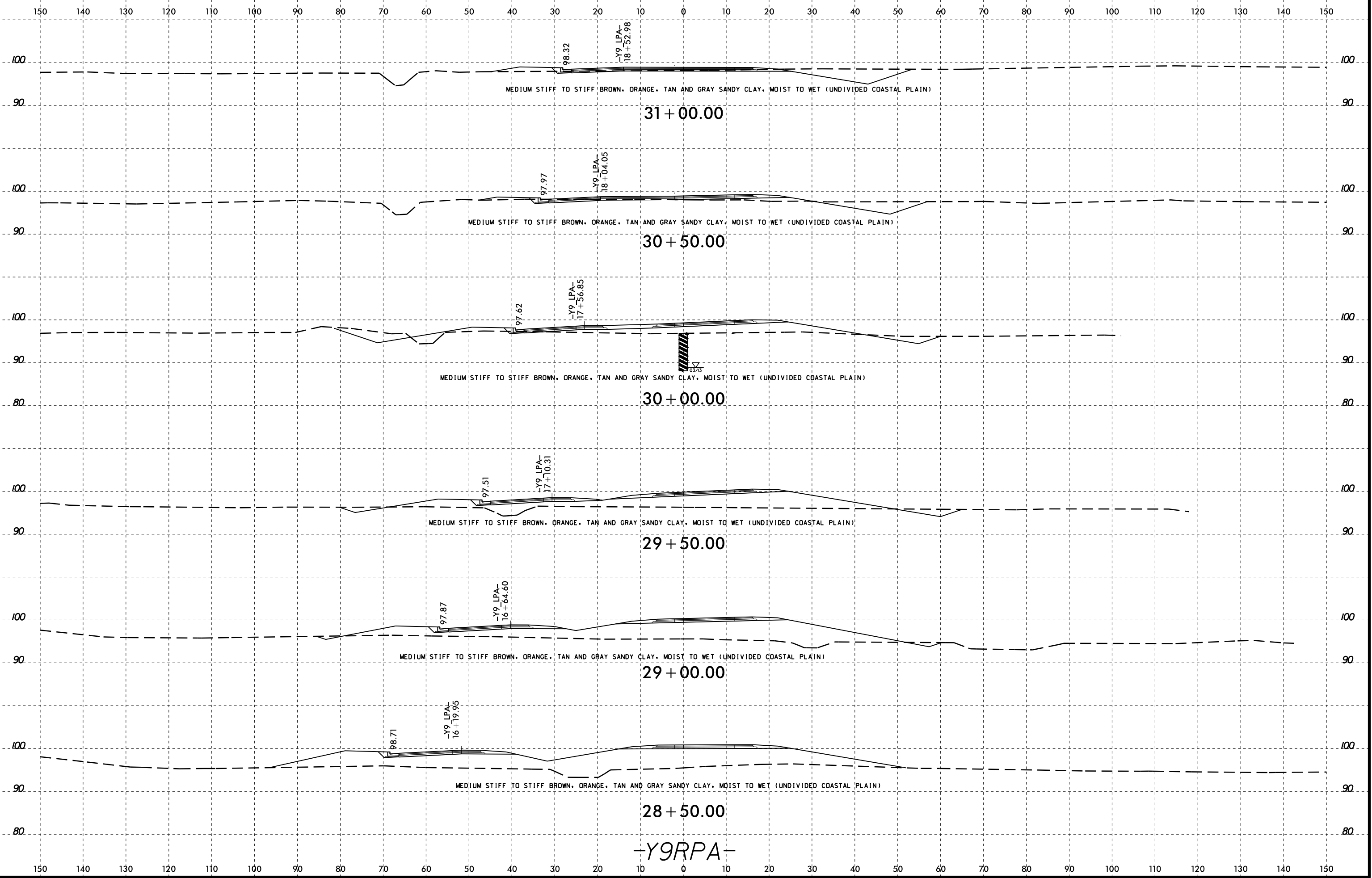
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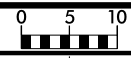
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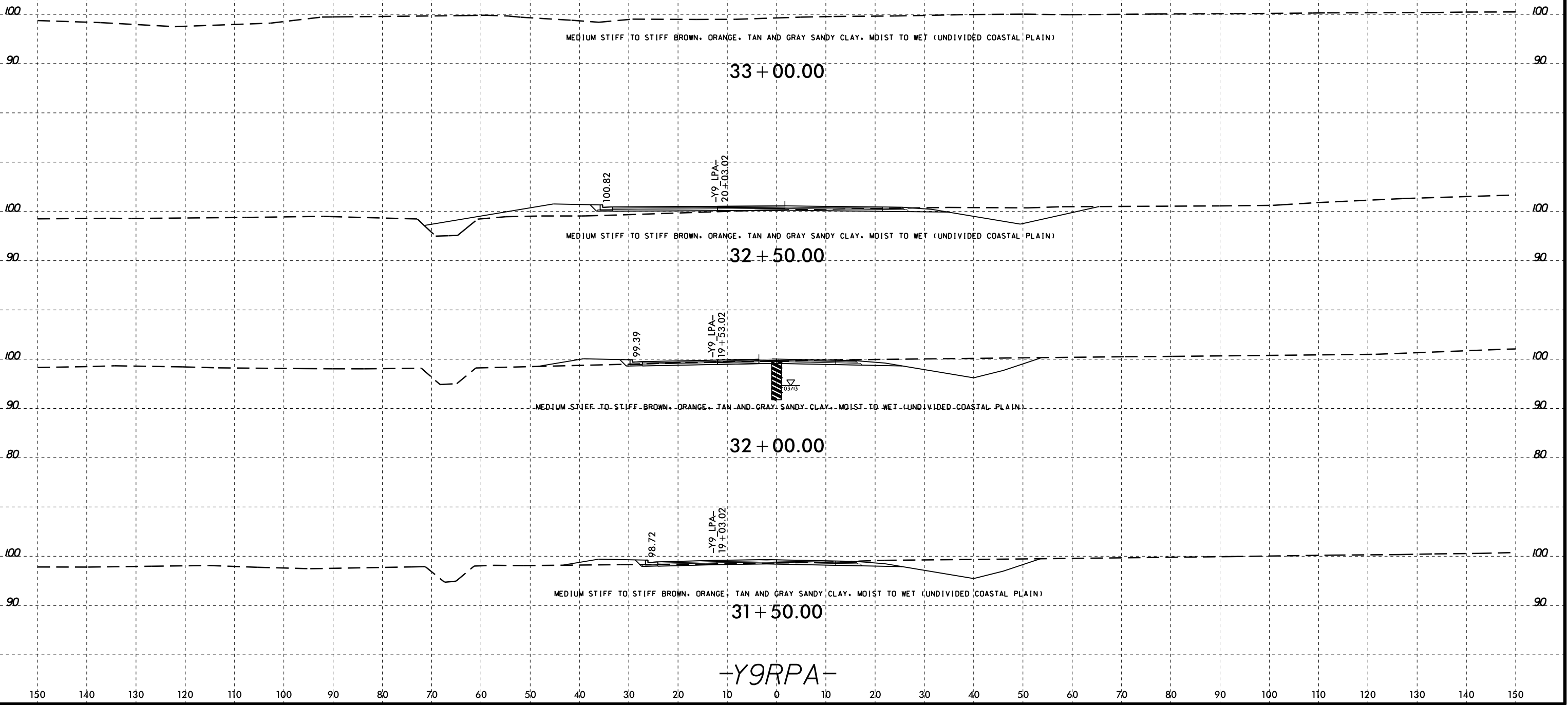
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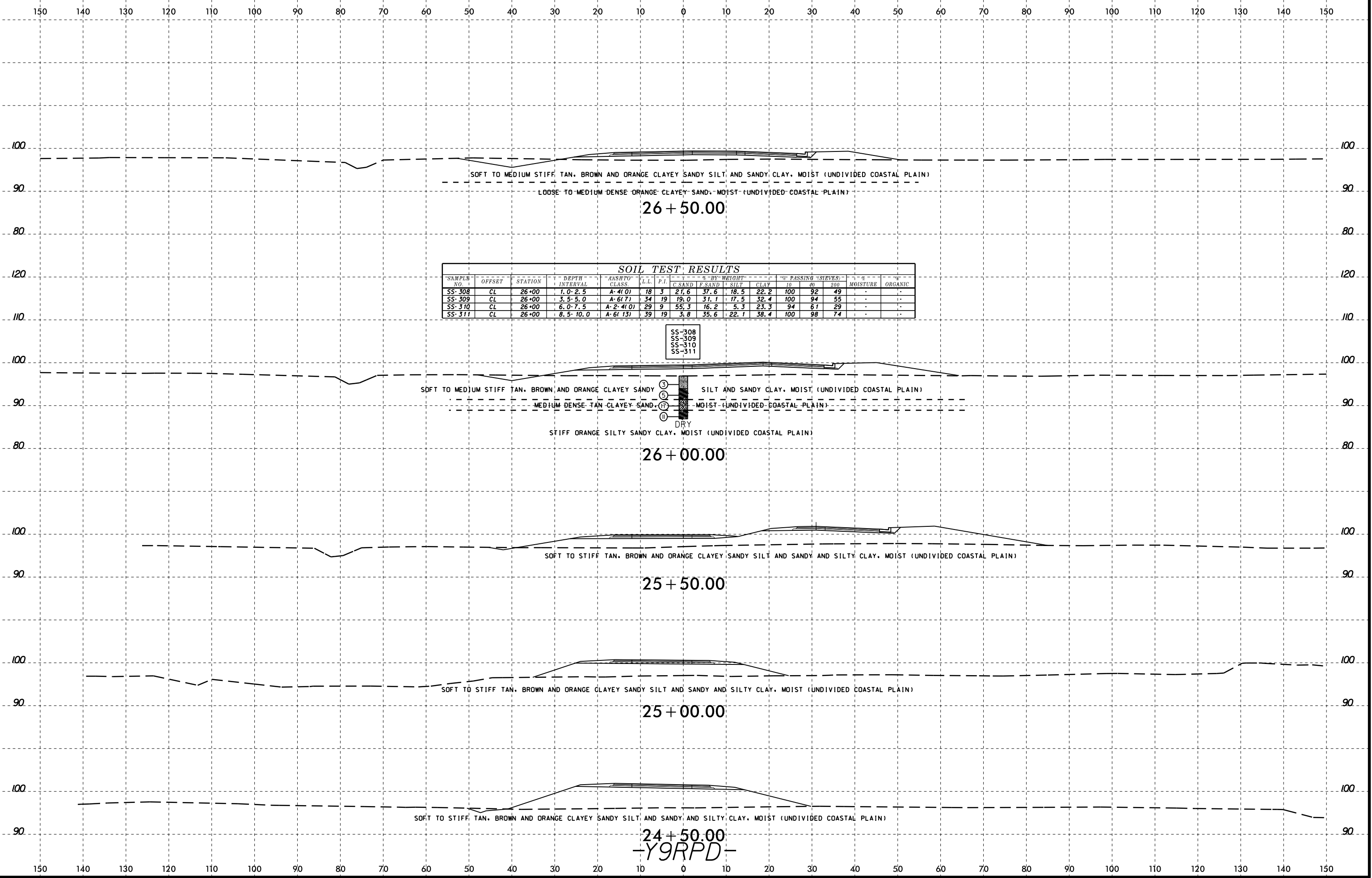
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 At: 06/27/2016



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SOIL TEST RESULTS

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	ASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)		% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	#10	#200		
SS-304	25 RT	28+77	1.0-2.5	A-4(0)	19	NP	26.1	44.3	12.4	17.2	99	90	36	-
SS-305	25 RT	28+77	3.5-5.0	A-7.6(9)	51	31	18.7	38.8	5.7	37.4	100	95	45	-
SS-306	25 RT	28+77	6.0-7.5	A-2.6(1)	38	17	54.0	19.4	4.3	22.2	97	64	27	-
SS-307	25 RT	28+77	8.5-10.0	A-2.6(0)	34	11	41.3	33.7	3.8	21.2	98	83	26	-

SS-304
SS-305
SS-306
SS-307

28+77

STIFF ORANGE AND GRAY SANDY SILT AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

LOOSE TO MEDIUM DENSE ORANGE CLAYEY SAND, MOIST (UNDIVIDED COASTAL PLAIN)

28 + 50.00

SOFT TO MEDIUM STIFF TAN, BROWN AND ORANGE CLAYEY SANDY SILT AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

LOOSE TO MEDIUM DENSE ORANGE CLAYEY SAND, MOIST (UNDIVIDED COASTAL PLAIN)

28 + 00.00

SOFT TO MEDIUM STIFF TAN, BROWN AND ORANGE CLAYEY SANDY SILT AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

LOOSE TO MEDIUM DENSE ORANGE CLAYEY SAND, MOIST (UNDIVIDED COASTAL PLAIN)

27 + 50.00

SOFT TO MEDIUM STIFF TAN, BROWN AND ORANGE CLAYEY SANDY SILT AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

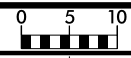
LOOSE TO MEDIUM DENSE ORANGE CLAYEY SAND, MOIST (UNDIVIDED COASTAL PLAIN)

27 + 00.00

-Y9RPD-

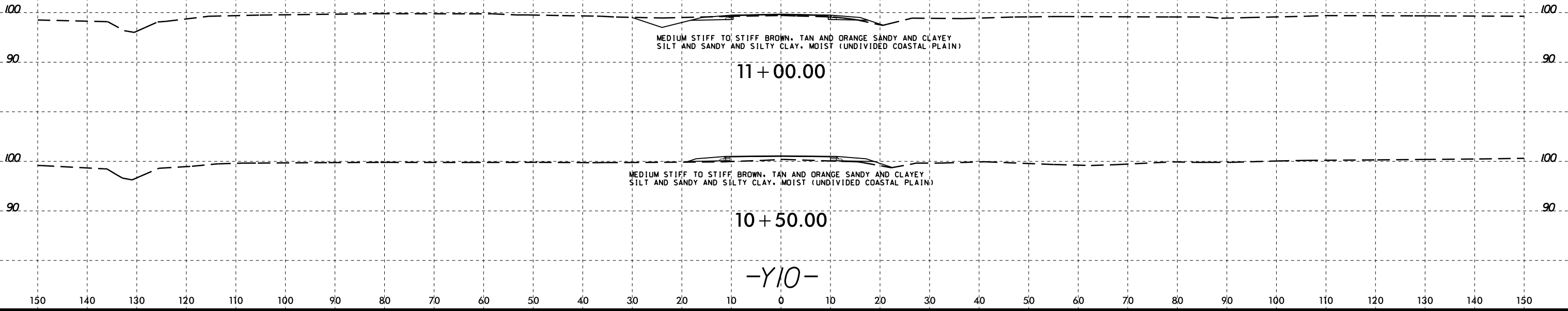
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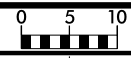


PROJ. REFERENCE NO.	SHEET NO.
R-2582A	243

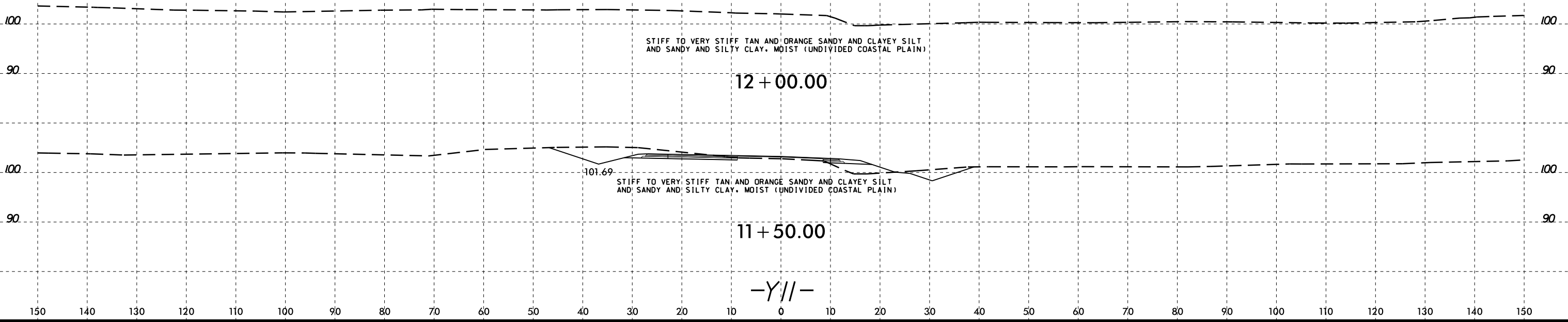
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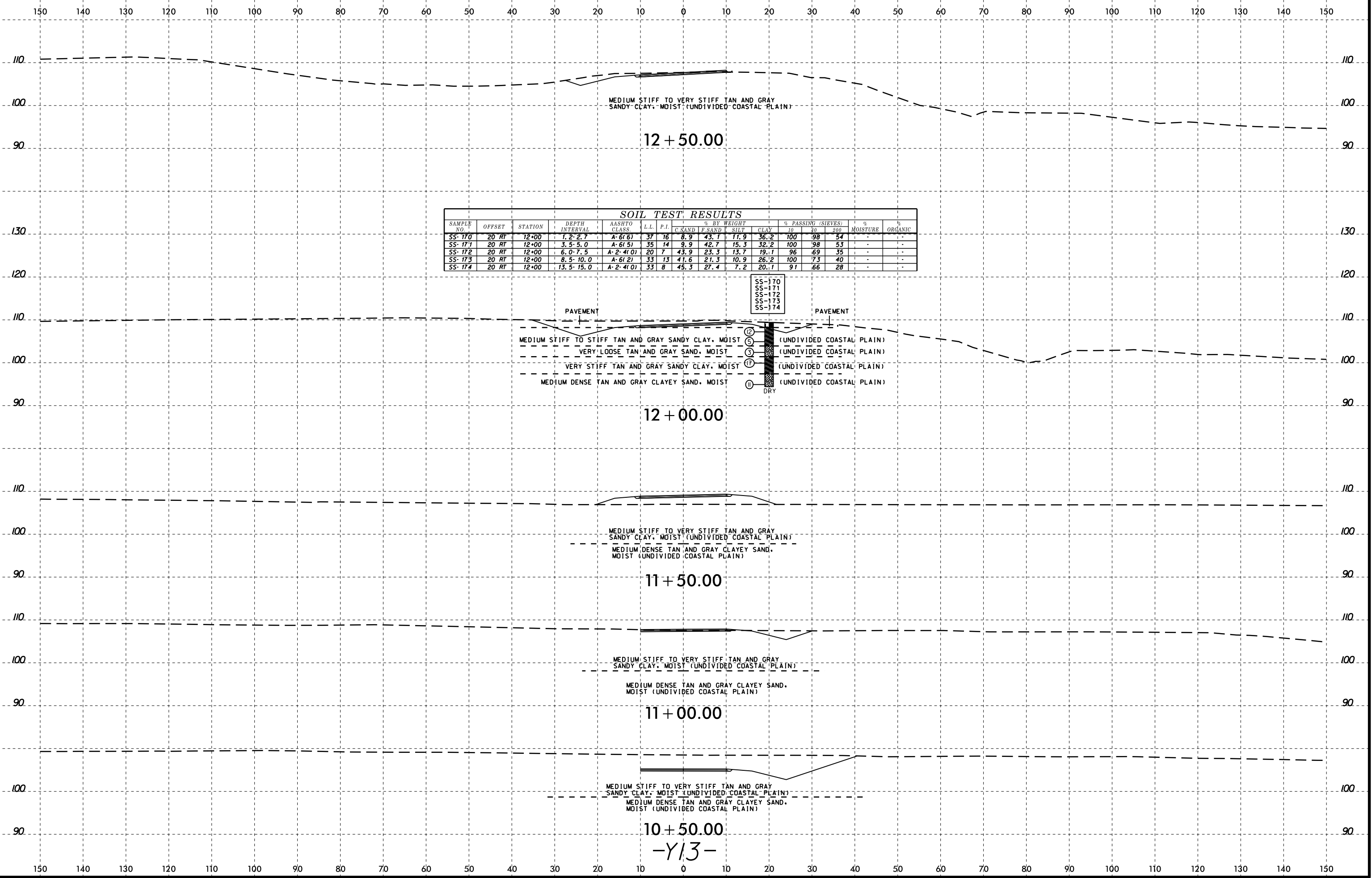
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 At: 10:59 AM 2/23/99
 G. Turner



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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)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-170	20 RT	12+00	1.2-2.7	A-6(6)	37	16	8.9	43.7	11.9	36.2	100	98	54	-	-
SS-171	20 RT	12+00	3.5-5.0	A-6(5)	35	14	9.9	42.7	15.3	32.2	100	98	53	-	-
SS-172	20 RT	12+00	6.0-7.5	A-2(4.0)	20	7	43.9	23.3	13.7	19.1	96	69	35	-	-
SS-173	20 RT	12+00	8.5-10.0	A-6(2)	33	13	41.6	21.3	10.9	26.2	100	73	40	-	-
SS-174	20 RT	12+00	13.5-15.0	A-2(4.0)	33	8	45.3	27.4	7.2	20.1	91	66	28	-	-

SS-170
SS-171
SS-172
SS-173
SS-174

10+50.00
-Y13-

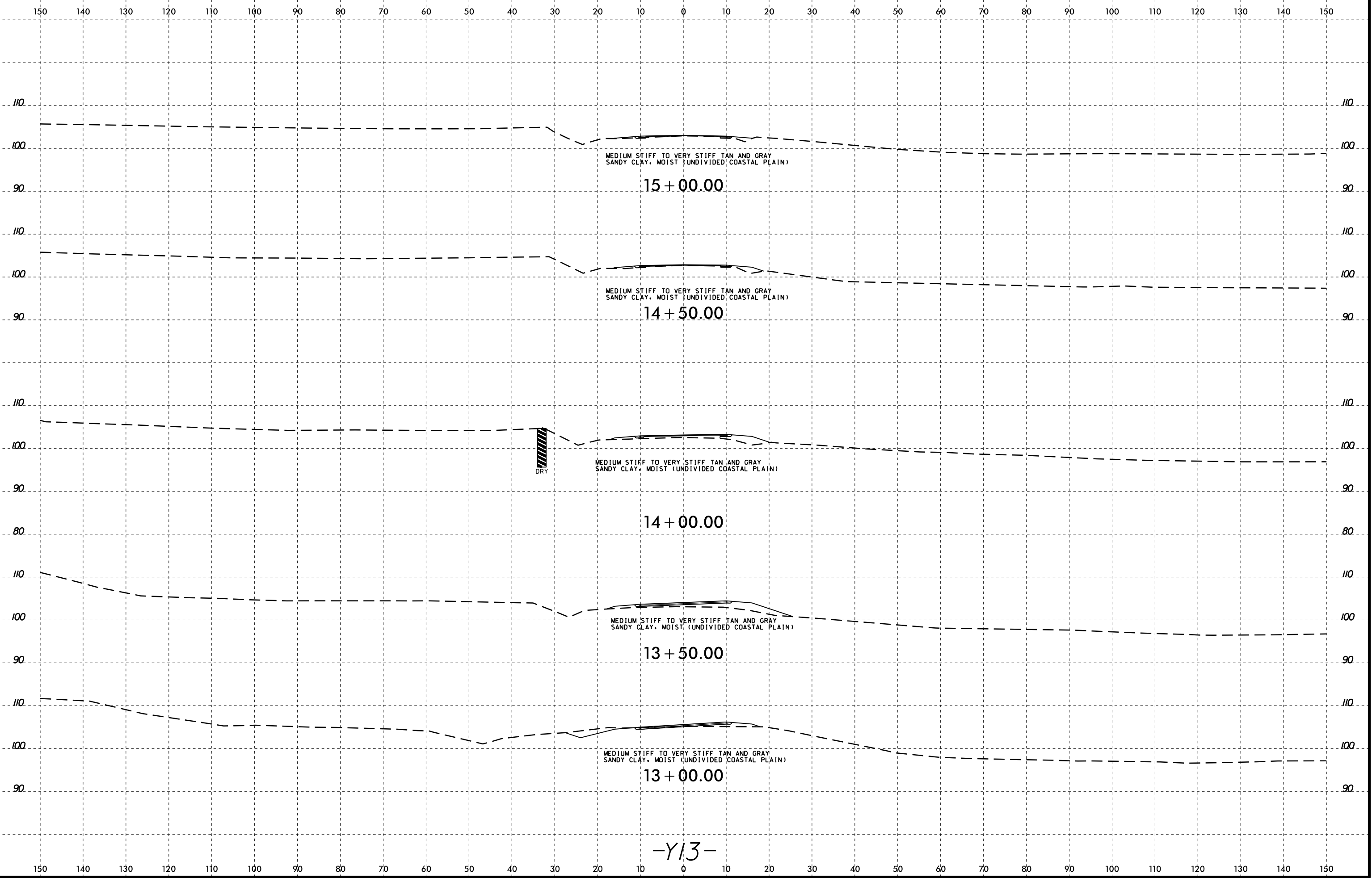
11+00.00

11+50.00

12+00.00

12+50.00

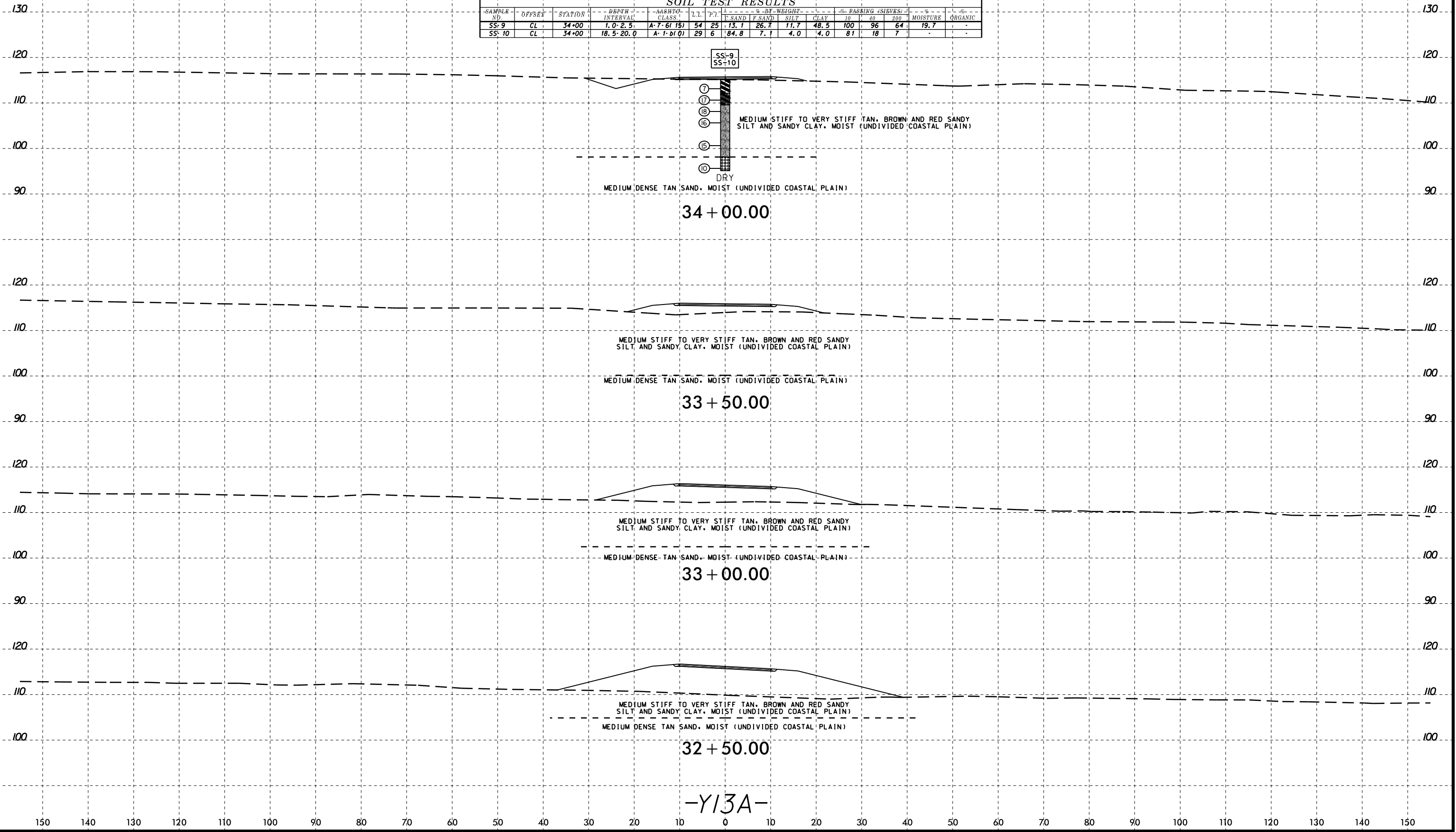
8/23/99



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 G. Turner

-Y13-

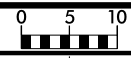
SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.L.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE	ORGANIC
							F. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-9	CL	34+00	1.0-2.5	A-7-6(15)	54	25	13.1	26.7	11.7	48.5	100	96	64	19.7	-
SS-10	CL	34+00	18.5-20.0	A-1-b(0)	29	6	84.8	7.1	4.0	4.0	81	18	7	-	-



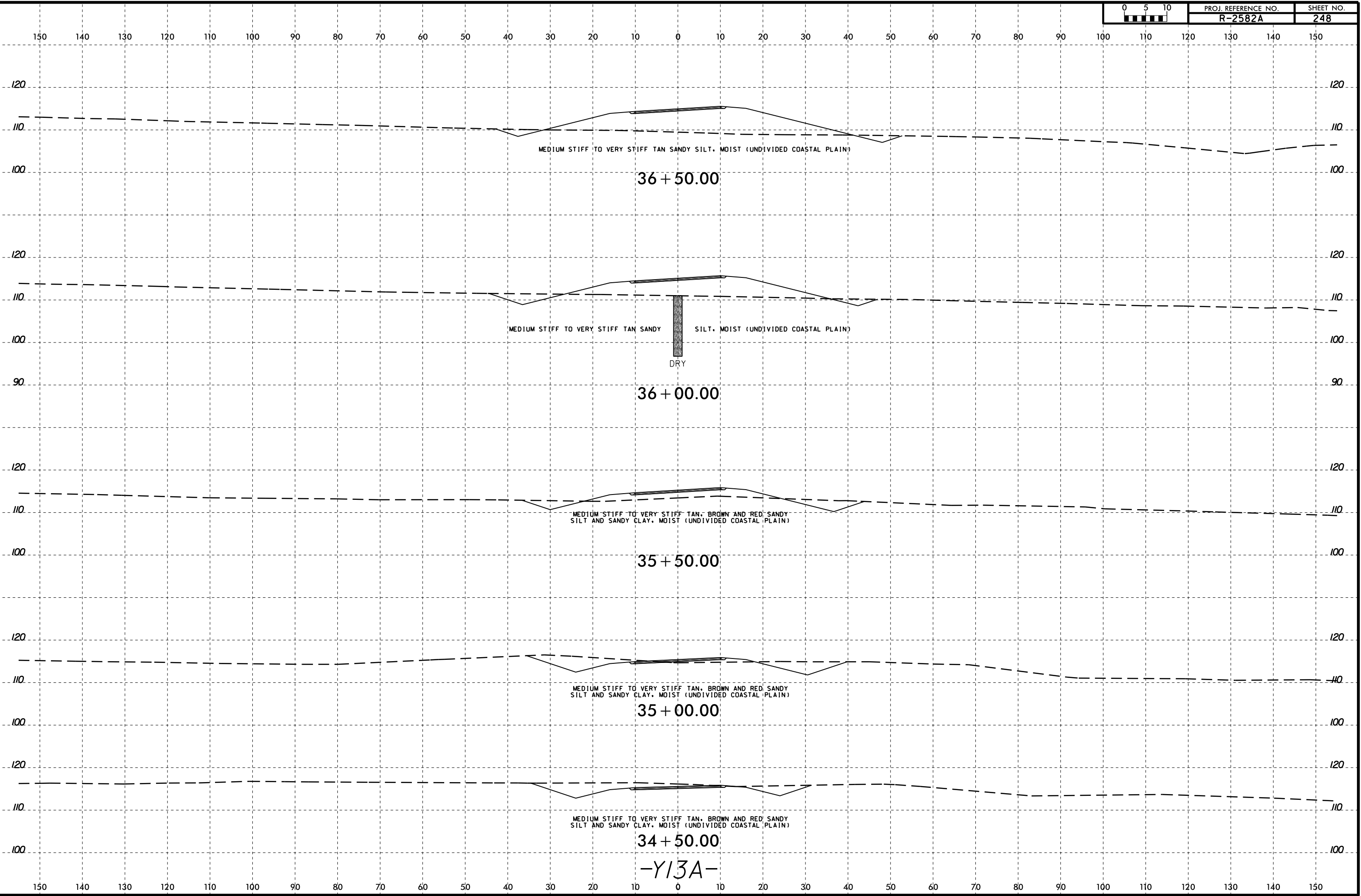
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 By: GEG77230

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PROJ. REFERENCE NO.	SHEET NO.
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 G. Turner

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-147	5 LT	40+00	0.3-0.8	A-2-4(0)	19	NP	8.0	70.3	15.7	6.0	100	98	32	-	-
S-148	5 LT	40+00	1.3-1.8	-	-	-	-	-	-	-	-	-	-	27.0	-
S-149	5 LT	40+00	5.0-5.3	A-7-6(6)	43	20	42.4	17.3	28.1	100	100	49	-	-	
S-150	5 LT	40+00	5.5-6.0	A-7-6(12)	44	22	4.0	40.2	17.7	38.2	100	100	63	27.3	-

(A) LOOSE GRAY SAND, MOIST (UNDIVIDED COASTAL PLAIN)

S-147
S-148
S-149
S-150

DRY

(7)
(6)
(5)
(4)
(3)
(2)
(1)

DRY

(11)

(10)

(9)

(8)

MEDIUM STIFF TO STIFF TAN, BROWN AND RED SANDY SILT AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

MEDIUM DENSE GRAY SAND, MOIST (UNDIVIDED COASTAL PLAIN)

40 + 00.00

MEDIUM STIFF TO STIFF TAN, BROWN AND RED SANDY SILT AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

LOOSE TO MEDIUM DENSE GRAY SAND, MOIST (UNDIVIDED COASTAL PLAIN)

39 + 50.00

MEDIUM STIFF TO STIFF TAN, BROWN AND RED SANDY SILT AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

LOOSE TO MEDIUM DENSE GRAY SAND, MOIST (UNDIVIDED COASTAL PLAIN)

39 + 00.00

MEDIUM STIFF TO STIFF TAN, BROWN AND RED SANDY SILT AND SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

LOOSE TO MEDIUM DENSE GRAY SAND, MOIST (UNDIVIDED COASTAL PLAIN)

38 + 50.00

-Y13A-

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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-151	5 LT	14+00	0.3-0.8	A-4(2)	24	9	16.5	37.8	21.7	24.1	100	91	54	-	-
S-152	5 LT	14+00	0.8-1.0	A-6(5)	38	21	20.5	27.7	19.7	32.1	81	71	45	-	-
S-153	5 LT	14+00	1.5-2.0	A-7(6(25))	73	46	26.1	14.1	11.6	48.2	94	77	60	22.3	-
S-154	5 LT	14+00	3.3-3.5	A-7(5(8))	71	38	50.2	8.0	5.6	36.1	94	62	39	-	-
S-155	5 LT	14+00	4.8-5.0	-	-	-	-	-	-	-	-	-	-	-	-

S-151
S-152
S-153
S-154
S-155



VERY STIFF TAN. BROWN AND RED SANDY SILT AND SANDY CLAY. MOIST (UNDIVIDED COASTAL PLAIN)

14 + 00.00

VERY STIFF TAN. BROWN AND RED SANDY CLAY. MOIST (UNDIVIDED COASTAL PLAIN)

13 + 50.00

VERY STIFF TAN. BROWN AND RED SANDY CLAY. MOIST (UNDIVIDED COASTAL PLAIN)

13 + 00.00

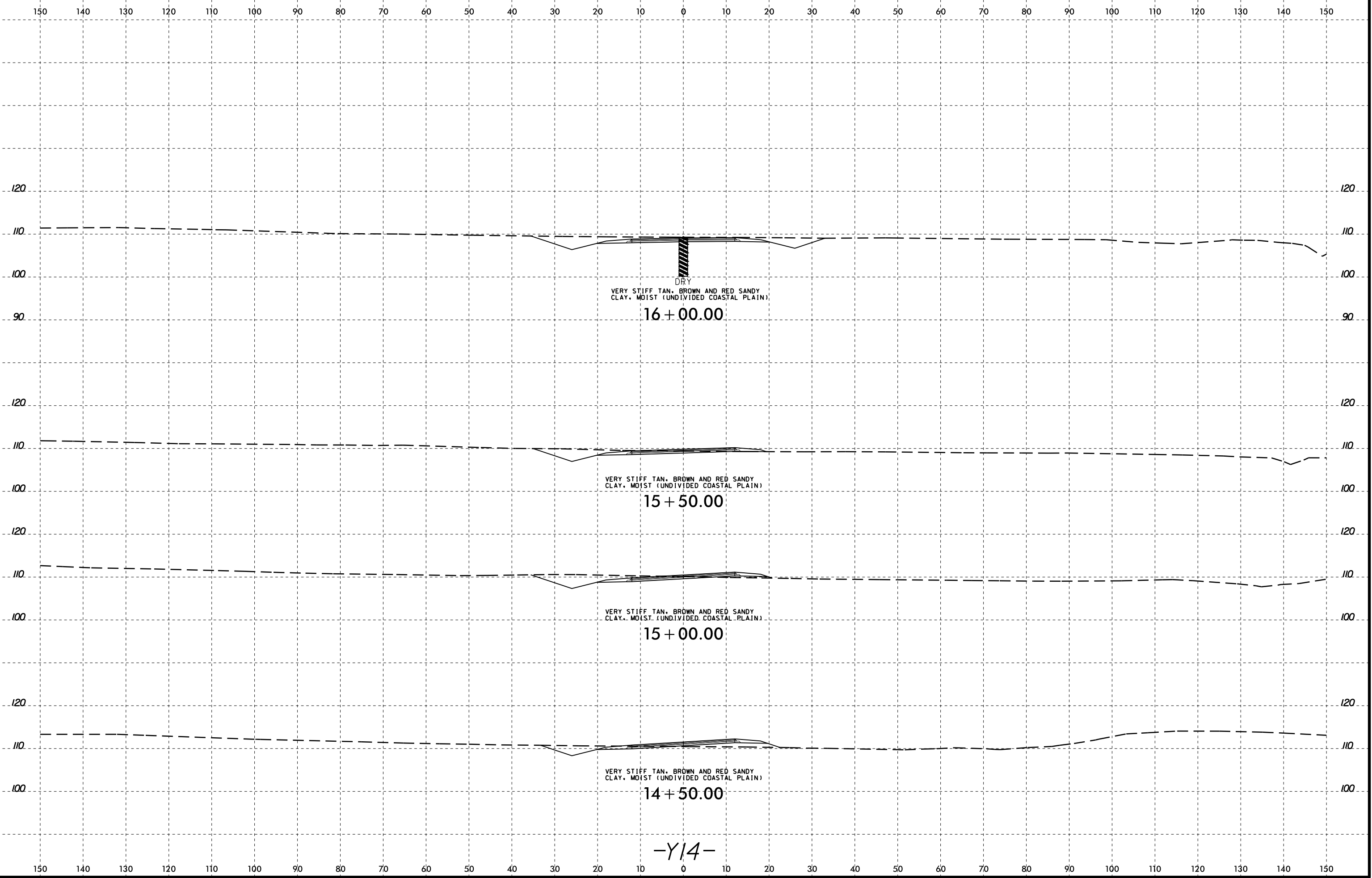
VERY STIFF TAN. BROWN AND RED SANDY CLAY. MOIST (UNDIVIDED COASTAL PLAIN)

12 + 50.00

VERY STIFF TAN. BROWN AND RED SANDY CLAY. MOIST (UNDIVIDED COASTAL PLAIN)

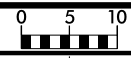
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-Y14-



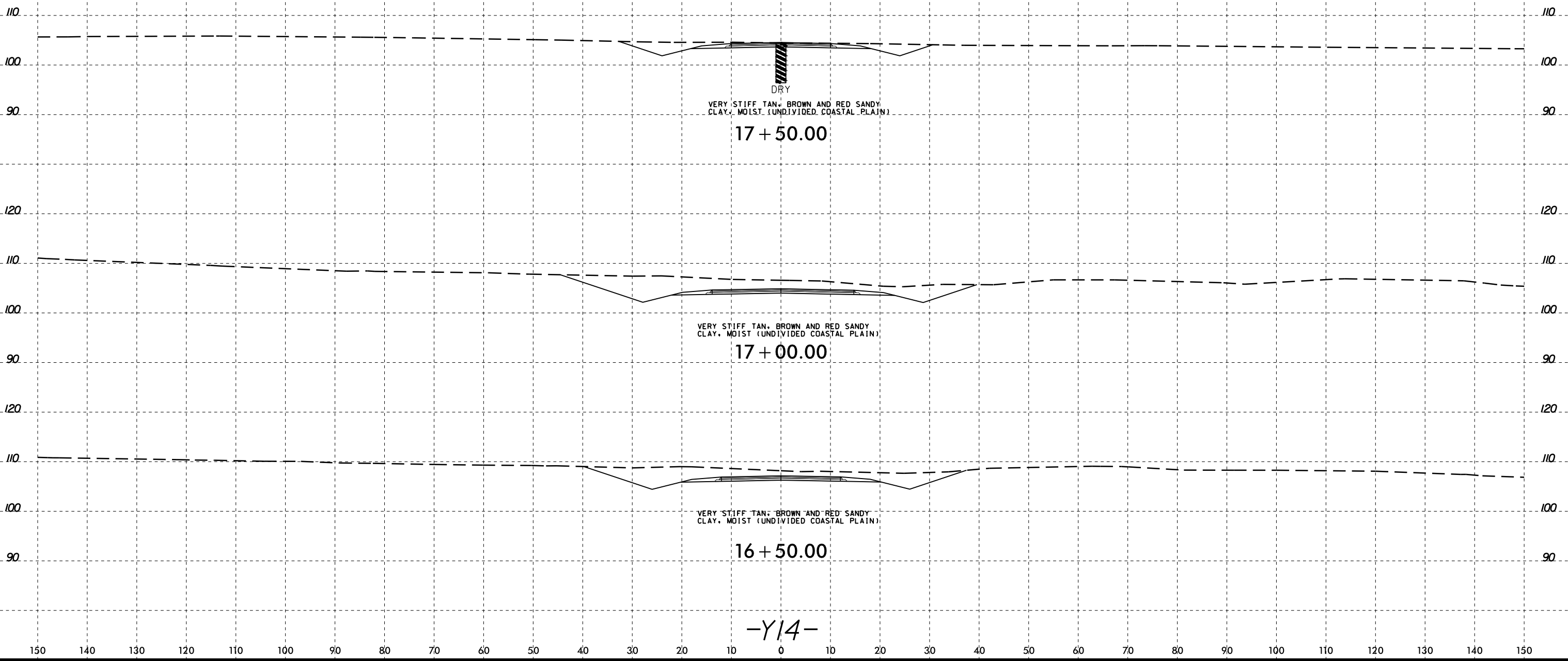
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8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-2582A	252

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17 + 50.00

17 + 00.00

16 + 50.00

-Y14-

VERY STIFF TAN, BROWN AND RED SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

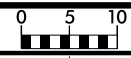
VERY STIFF TAN, BROWN AND RED SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

VERY STIFF TAN, BROWN AND RED SANDY CLAY, MOIST (UNDIVIDED COASTAL PLAIN)

DRY

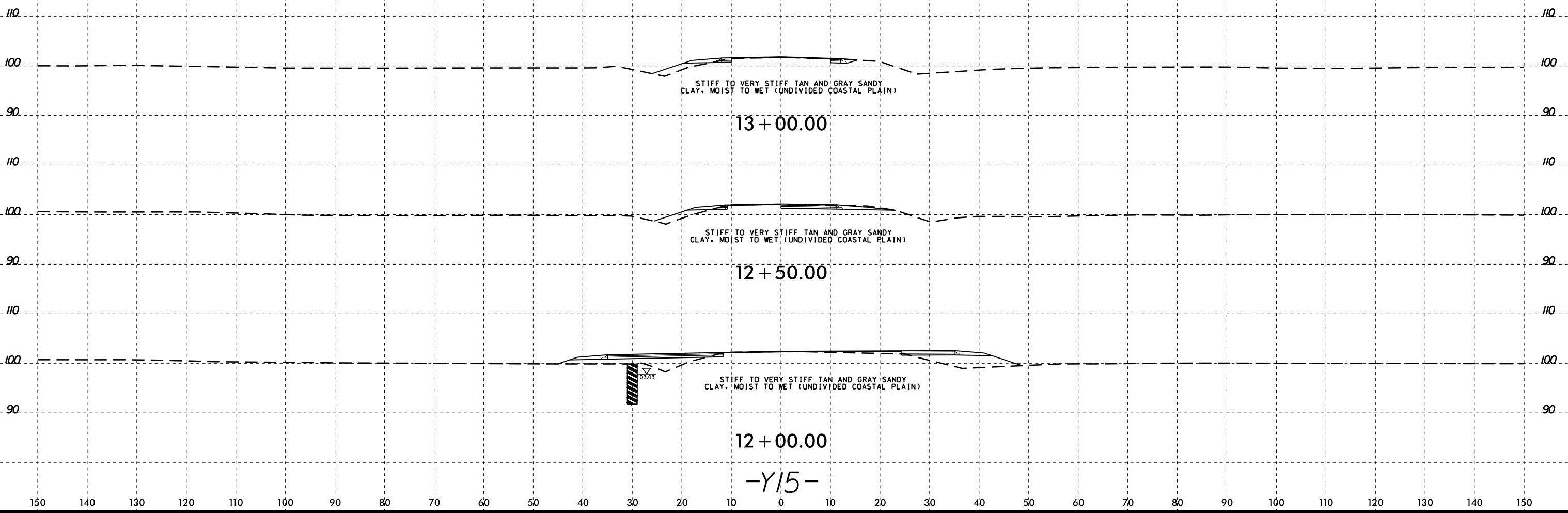
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 G. Turner

8/23/99



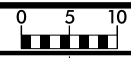
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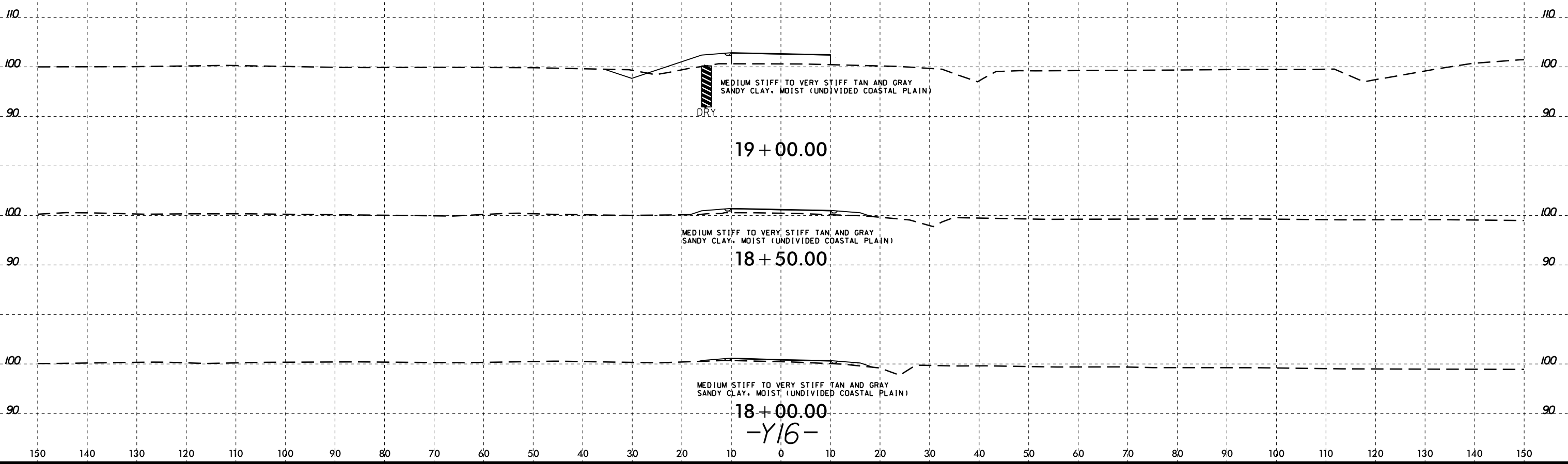
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 G. Turner

8/23/99



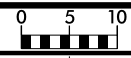
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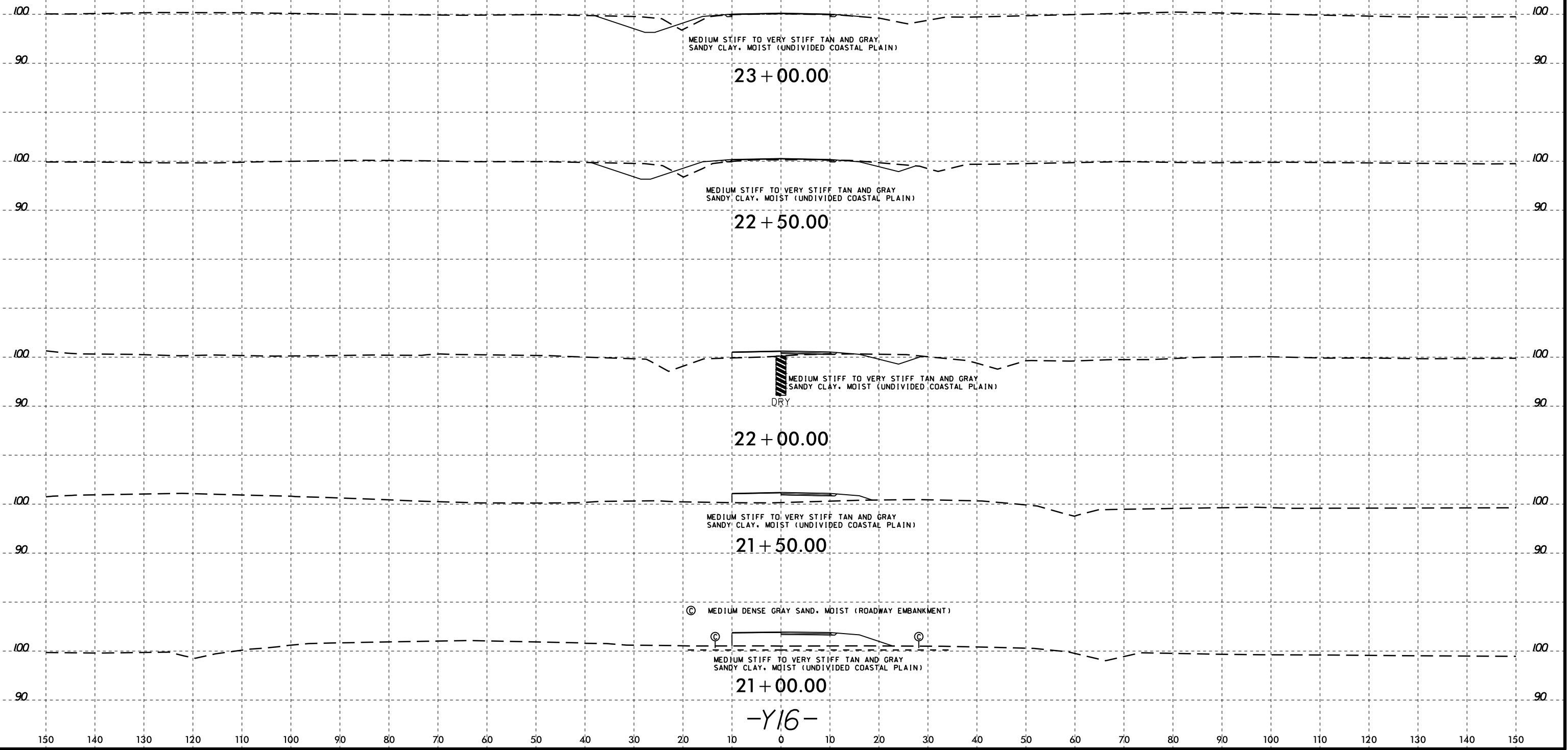
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 G.P. Turner

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
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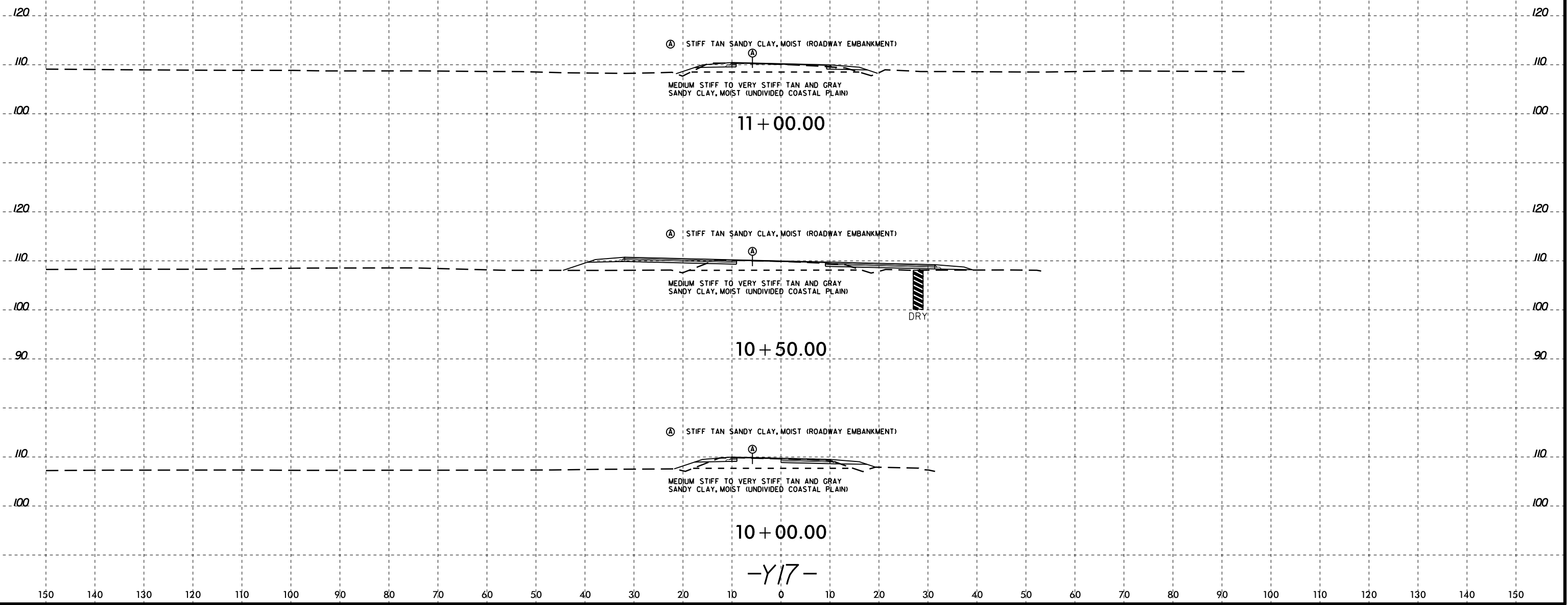


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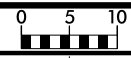
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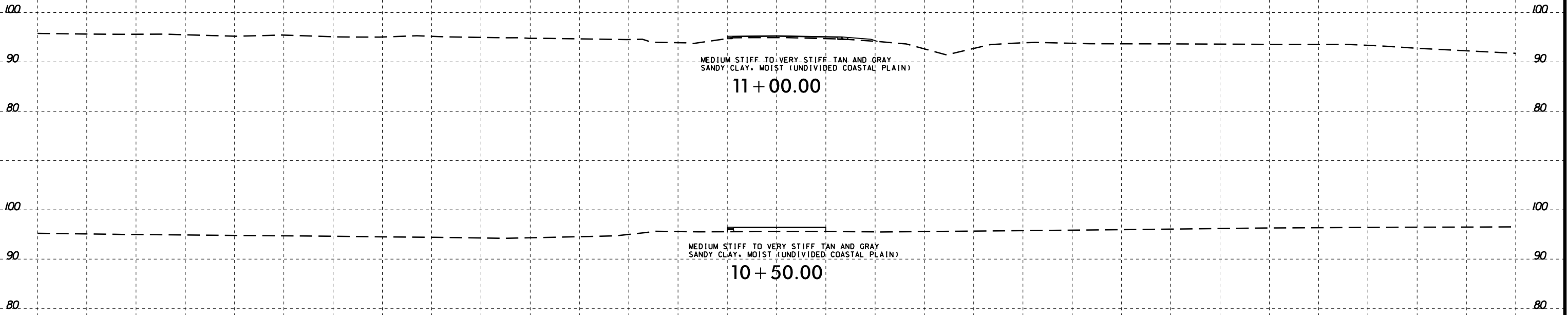
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8/23/99



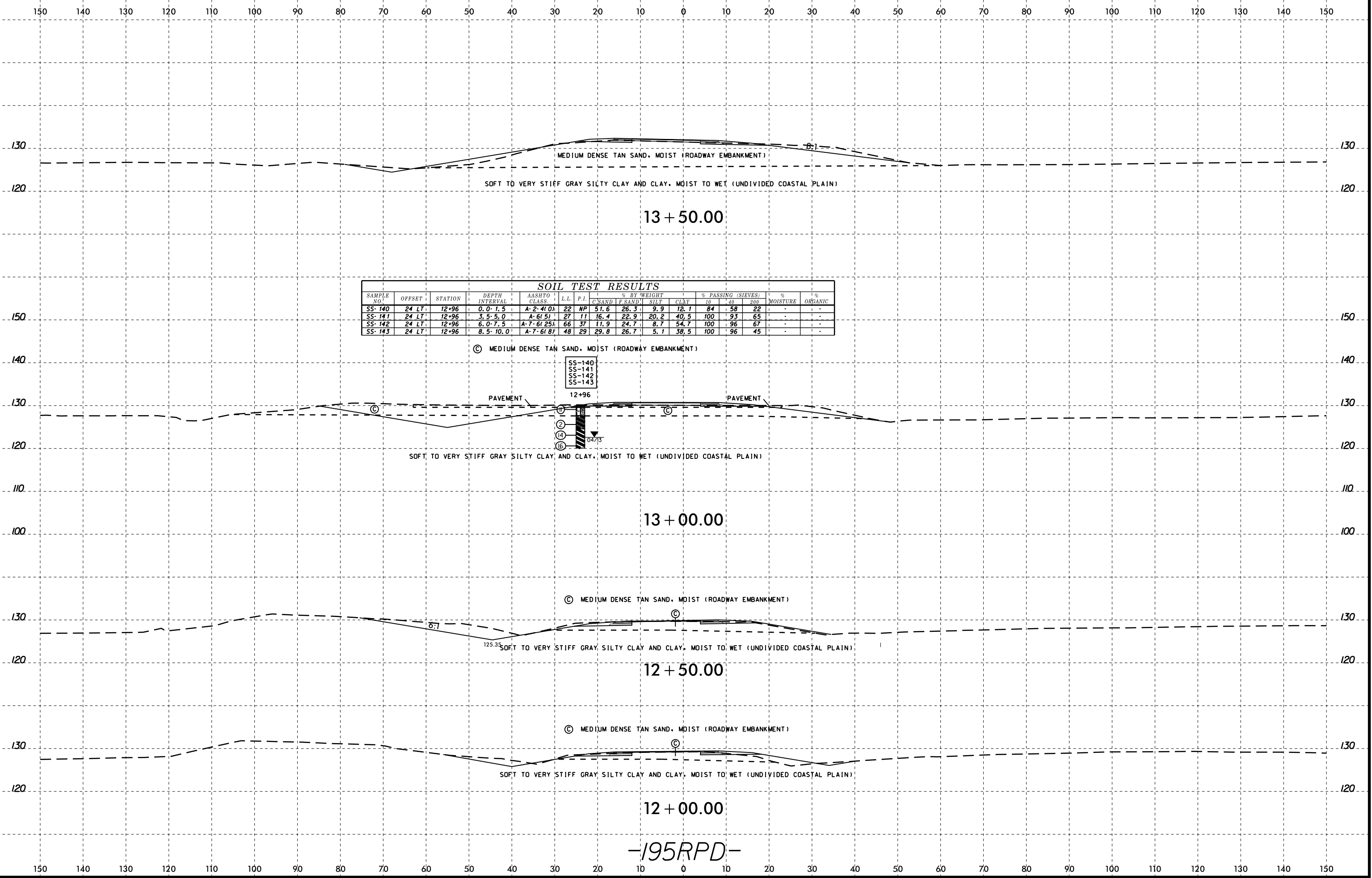
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-Y18-

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By: GEG77230



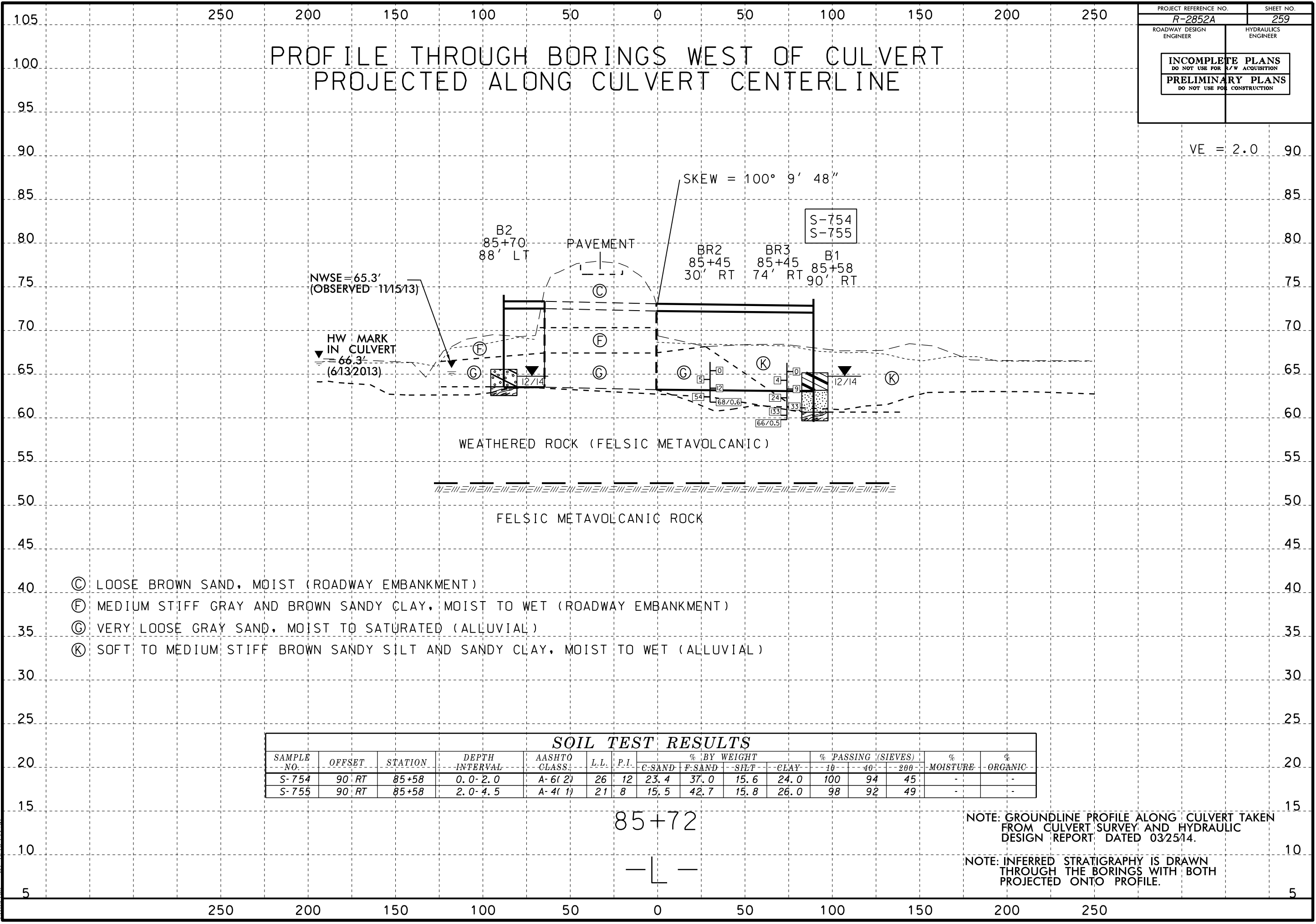
SOIL TEST RESULTS

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-140	24 LT	12+96	0.0-1.5	A-2-4(0)	22	NP	51.6	26.3	9.9	12.1	84	58	22	-	-
SS-141	24 LT	12+96	3.5-5.0	A-6(5)	27	11	16.4	22.9	20.2	40.5	100	93	65	-	-
SS-142	24 LT	12+96	6.0-7.5	A-7-6(25)	66	37	11.9	24.7	8.7	54.7	100	96	67	-	-
SS-143	24 LT	12+96	8.5-10.0	A-7-6(8)	48	29	29.8	26.7	5.1	38.5	100	96	45	-	-

5/14/09
 I:\6-FEB-2015 11:00
 L:\ENR\Greenville_Inv\Investigation\TIP\AR2582A_GEO_CUL_V0031_85+72_CADD_GEO\TECH\Site&Sub\AR2582A_GEO_CUL_VERT_31_GTM.dgn
 At 11:02:23 AM

PROJECT REFERENCE NO. R-2852A	SHEET NO. 259
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
INCOMPLETE PLANS DO NOT USE FOR ACQUISITION	
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	

PROFILE THROUGH BORINGS WEST OF CULVERT PROJECTED ALONG CULVERT CENTERLINE



VE = 2.0 90

SKEW = 100° 9' 48"

NWSE = 65.3'
(OBSERVED 11/5/13)

HW MARK
IN CULVERT
66.3'
(6/13/2013)

WEATHERED ROCK (FELSIC METAVOLCANIC)

FELSIC METAVOLCANIC ROCK

- ⓐ LOOSE BROWN SAND, MOIST (ROADWAY EMBANKMENT)
- ⓑ MEDIUM STIFF GRAY AND BROWN SANDY CLAY, MOIST TO WET (ROADWAY EMBANKMENT)
- ⓒ VERY LOOSE GRAY SAND, MOIST TO SATURATED (ALLUVIAL)
- ⓓ SOFT TO MEDIUM STIFF BROWN SANDY SILT AND SANDY CLAY, MOIST TO WET (ALLUVIAL)

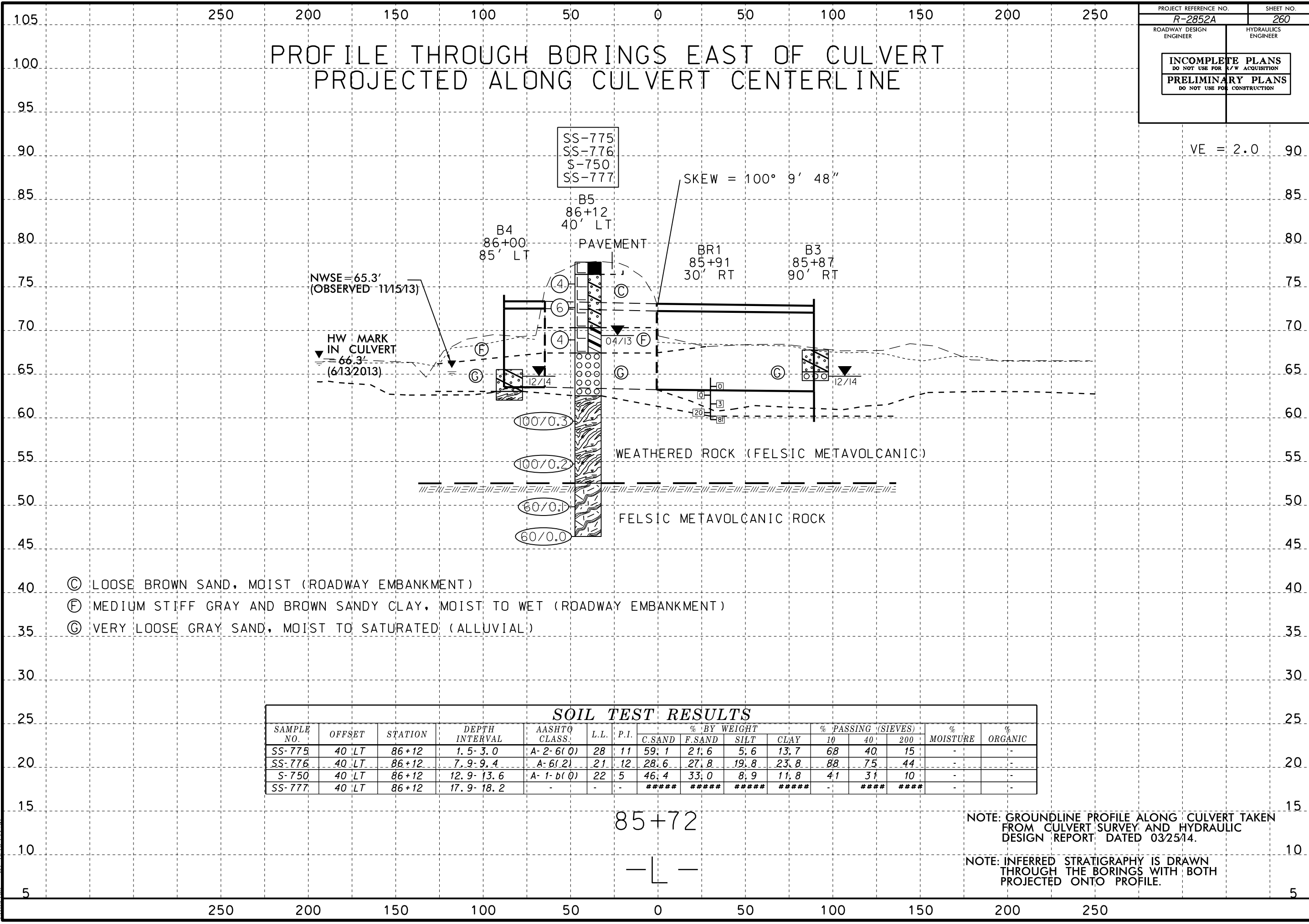
SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C-SAND	F-SAND	SILT	CLAY	-10-	-40-	-200-		
S-754	90 RT	85+58	0.0-2.0	A-6(2)	26	12	23.4	37.0	15.6	24.0	100	94	45	-	-
S-755	90 RT	85+58	2.0-4.5	A-4(1)	21	8	15.5	42.7	15.8	26.0	98	92	49	-	-

85+72

NOTE: GROUNDLINE PROFILE ALONG CULVERT TAKEN FROM CULVERT SURVEY AND HYDRAULIC DESIGN REPORT DATED 03/25/14.

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

PROFILE THROUGH BORINGS EAST OF CULVERT PROJECTED ALONG CULVERT 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			
SS-775	40 LT	86+12	1.5-3.0	A-2-6(0)	28	11	59.1	21.6	5.6	13.7	68	40	15	-	-	
SS-776	40 LT	86+12	7.9-9.4	A-6(2)	21	12	28.6	27.8	19.8	23.8	88	75	44	-	-	
S-750	40 LT	86+12	12.9-13.6	A-1-b(0)	22	5	46.4	33.0	8.9	11.8	41	31	10	-	-	
SS-777	40 LT	86+12	17.9-18.2	-	-	-	*****	*****	*****	*****	-	****	****	-	-	

85+72

NOTE: GROUNDLINE PROFILE ALONG CULVERT TAKEN FROM CULVERT SURVEY AND HYDRAULIC DESIGN REPORT DATED 03/25/14.

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

5/14/99
 16-FEB-2015 11:00
 L:\ENR\G\Greenville_Investigation\TIP\NR2582A_GEO_CUL_V0031_85+72\CADD_GEO\TECH\Site&Sub\NR2582A_GEO_CULVERT_31_GTM.dgn
 At 11:27:30