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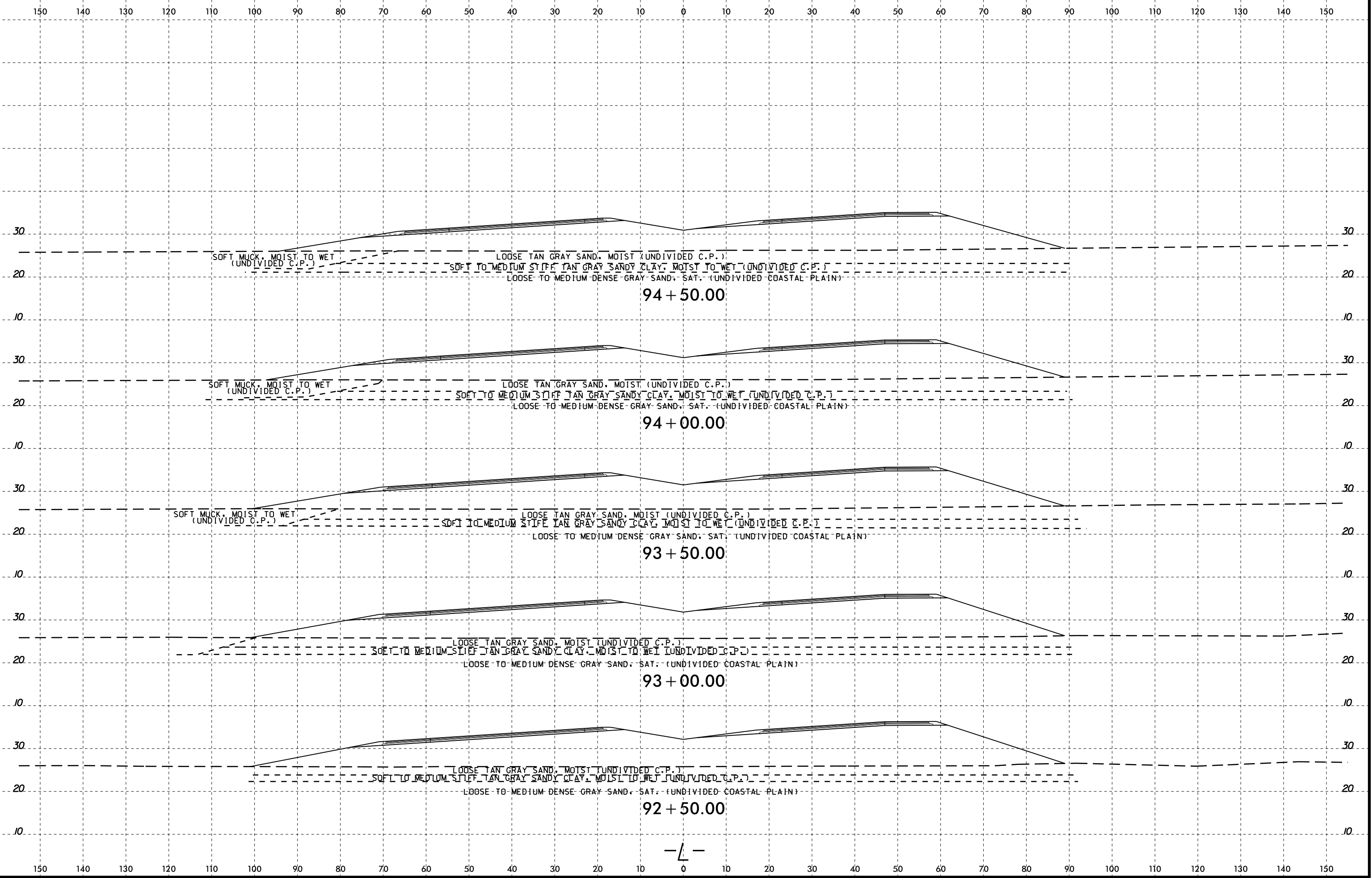
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NORTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
GEOTECHNICAL ENGINEERING UNIT  
SUBSURFACE INVESTIGATION  
INVENTORY  
SECTION 3

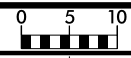
REFERENCE: R-1015

PROJECT: 34360

DS  
JLS  
INITIALS  
3/16/2015  
DATE

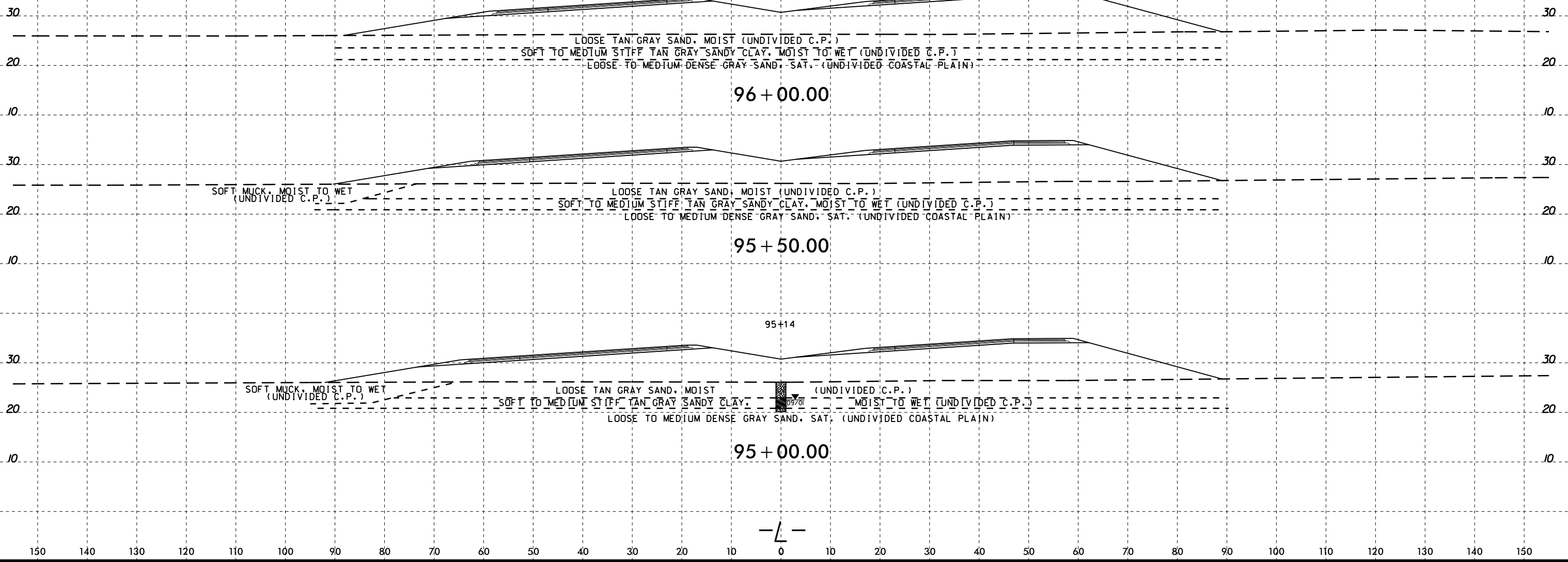


8/23/99



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R-1015	129

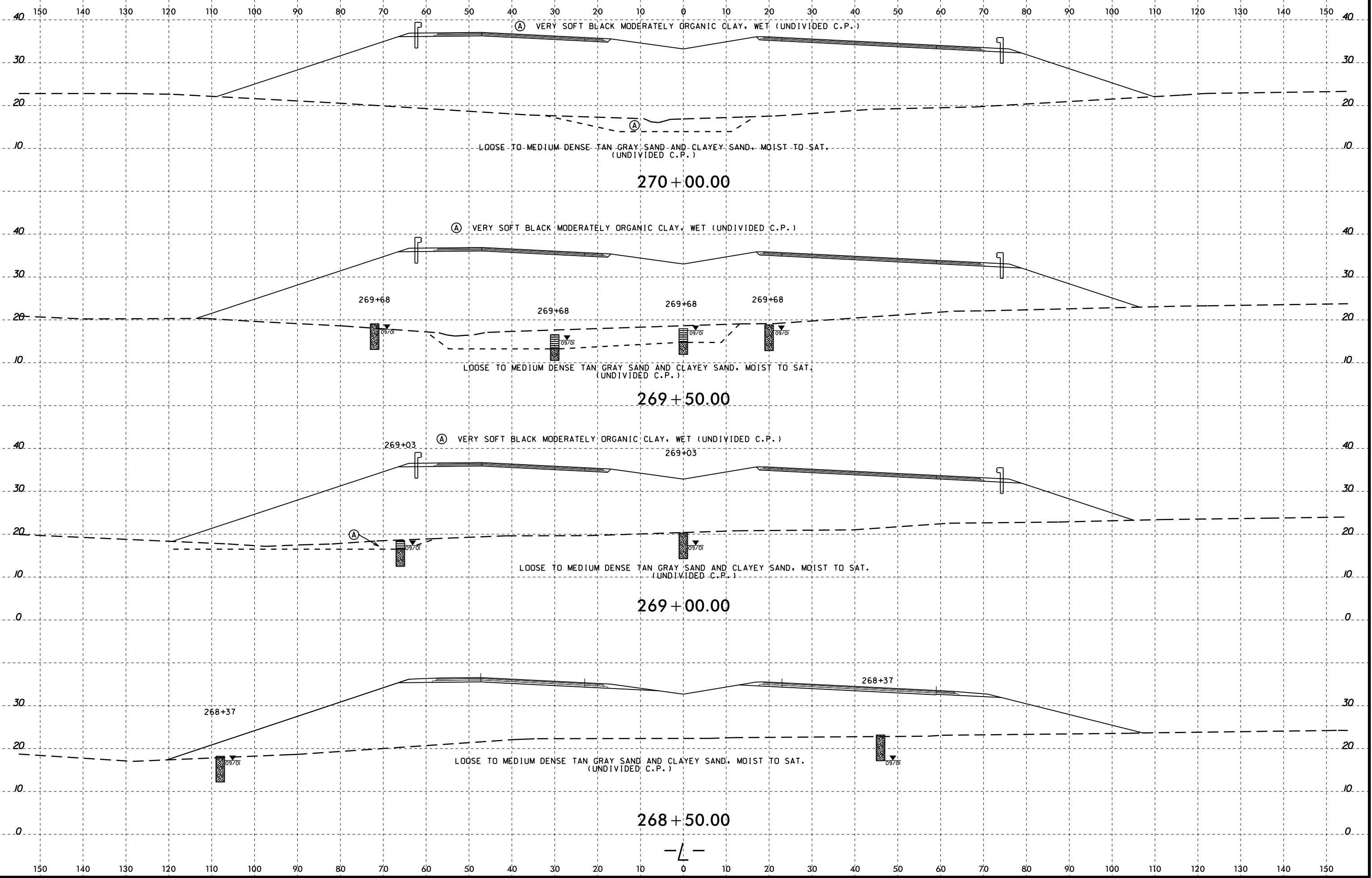
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 Atty: GEG77230  
 G. Turner

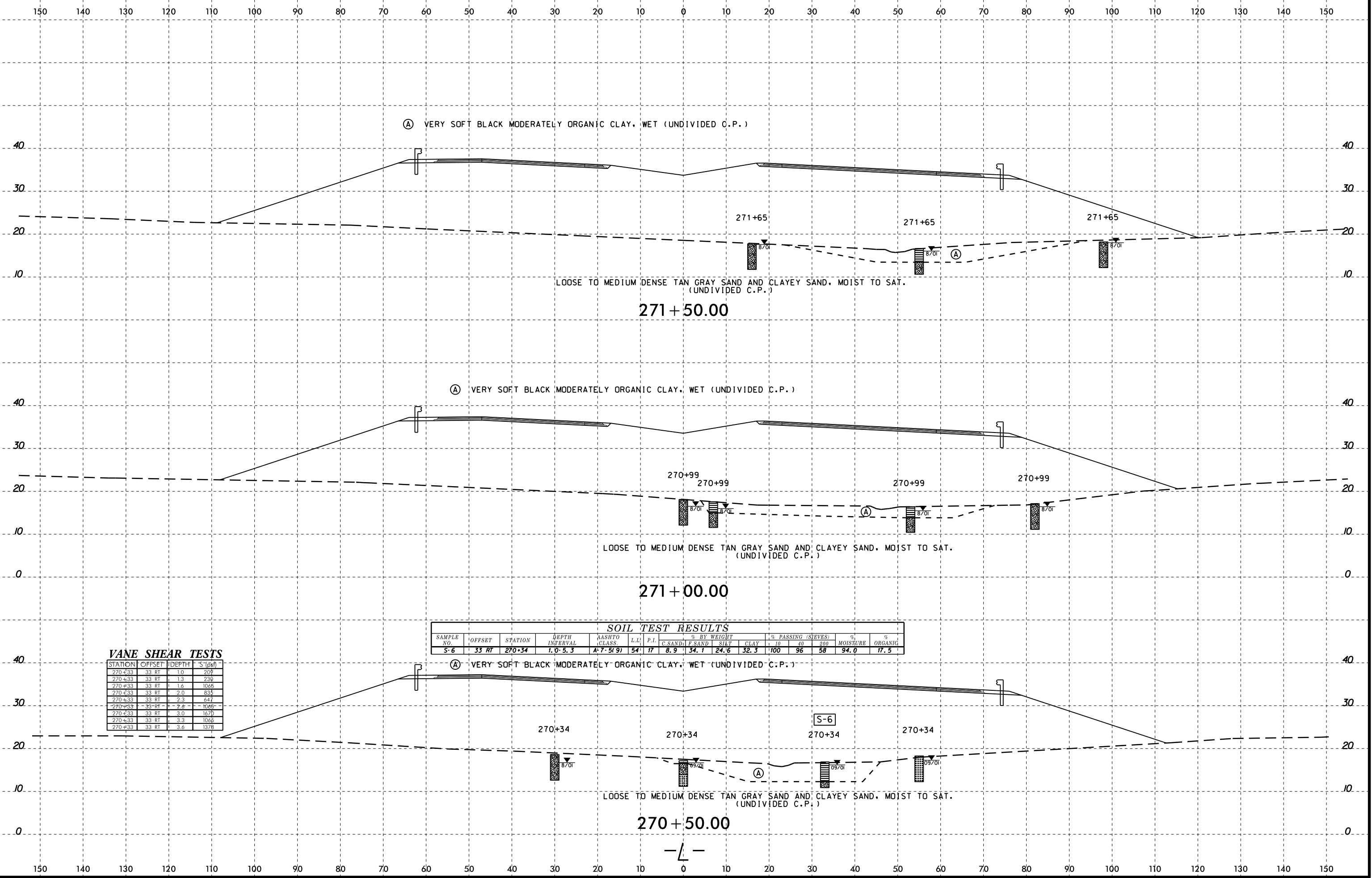
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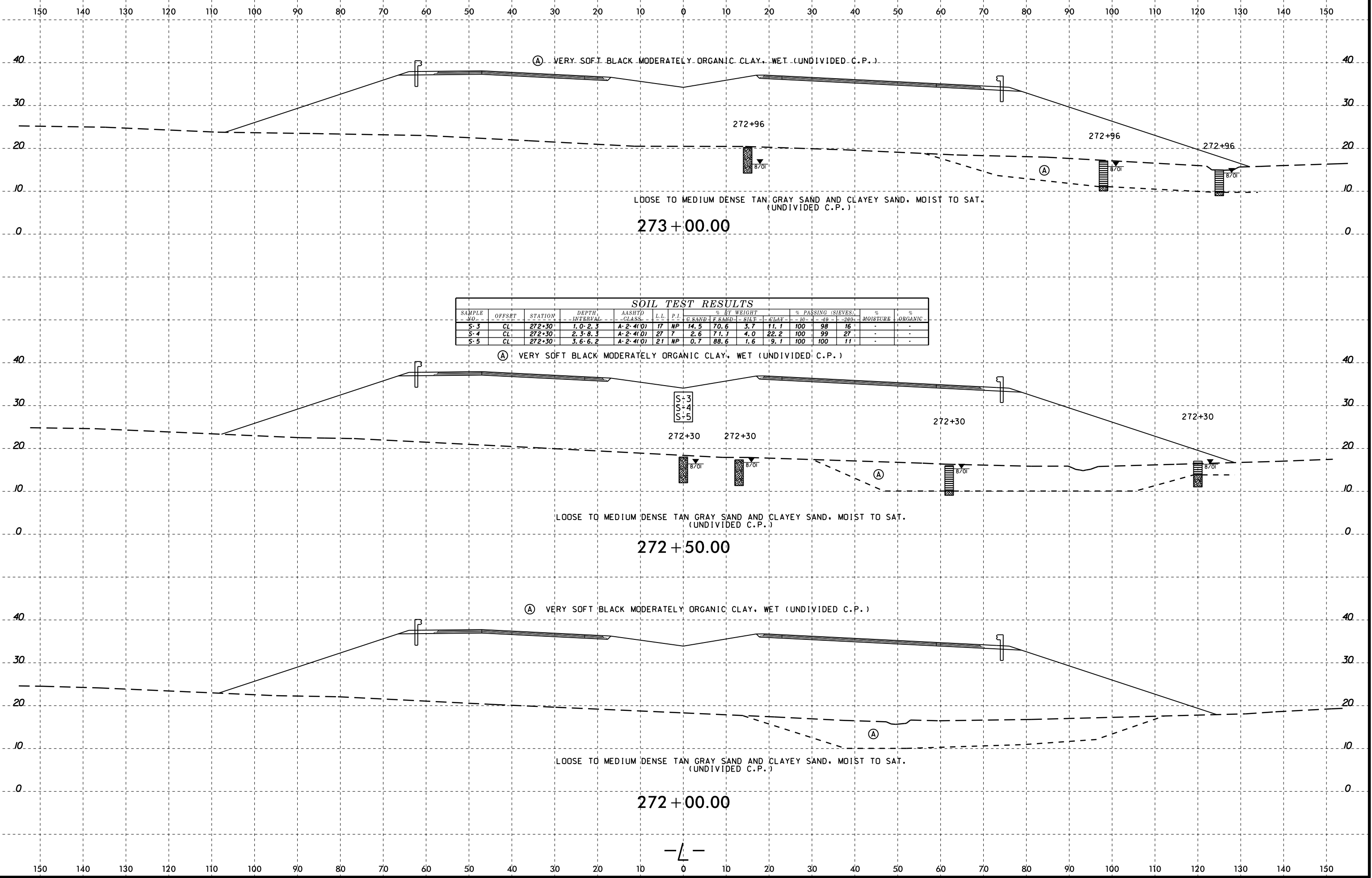
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VANE SHEAR TESTS

STATION	OFFSET	DEPTH	S (psf)
270+33	33 RT	1.0	209
270+33	33 RT	1.3	236
270+33	33 RT	1.6	1065
270+33	33 RT	2.0	835
270+33	33 RT	2.3	644
270+33	33 RT	2.6	1065
270+33	33 RT	3.0	1670
270+33	33 RT	3.3	1065
270+33	33 RT	3.6	1378

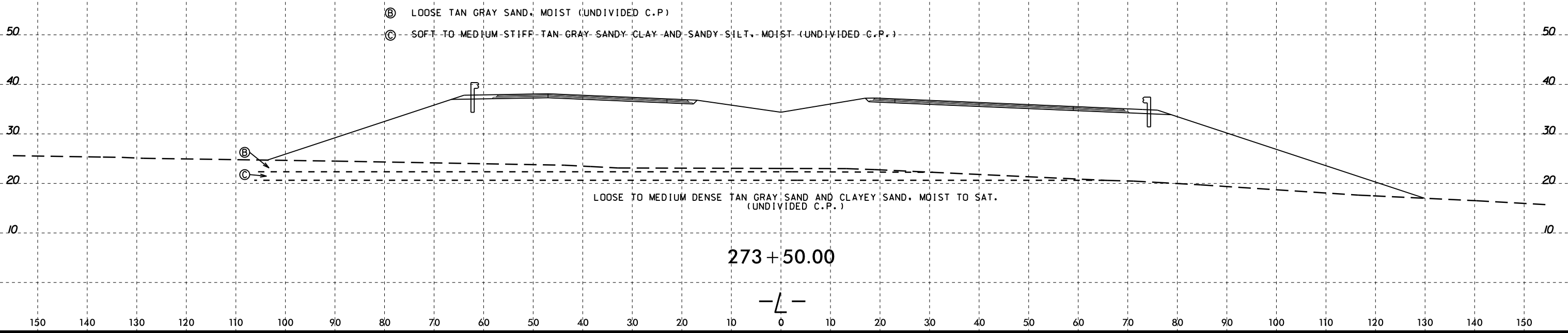
SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)		% MOISTURE	% ORGANIC	
							C.SAND	F.SAND	SILT	CLAY	10	40	200		
S-6	33 RT	270+34	1.0-5.3	A-7-5(9)	54	17	8.9	34.1	24.6	32.3	100	96	58	94.0	17.5



SOIL TEST RESULTS															
SAMPLE NO.	OFFSRT	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-3	CL	272+30	1.0-2.3	A-2-4(0)	17	NP	14.5	70.6	3.7	11.1	100	98	16	-	-
S-4	CL	272+30	2.3-8.3	A-2-4(0)	27	7	2.6	71.7	4.0	22.2	100	99	27	-	-
S-5	CL	272+30	3.6-6.2	A-2-4(0)	21	NP	0.7	88.6	1.6	9.1	100	100	11	-	-

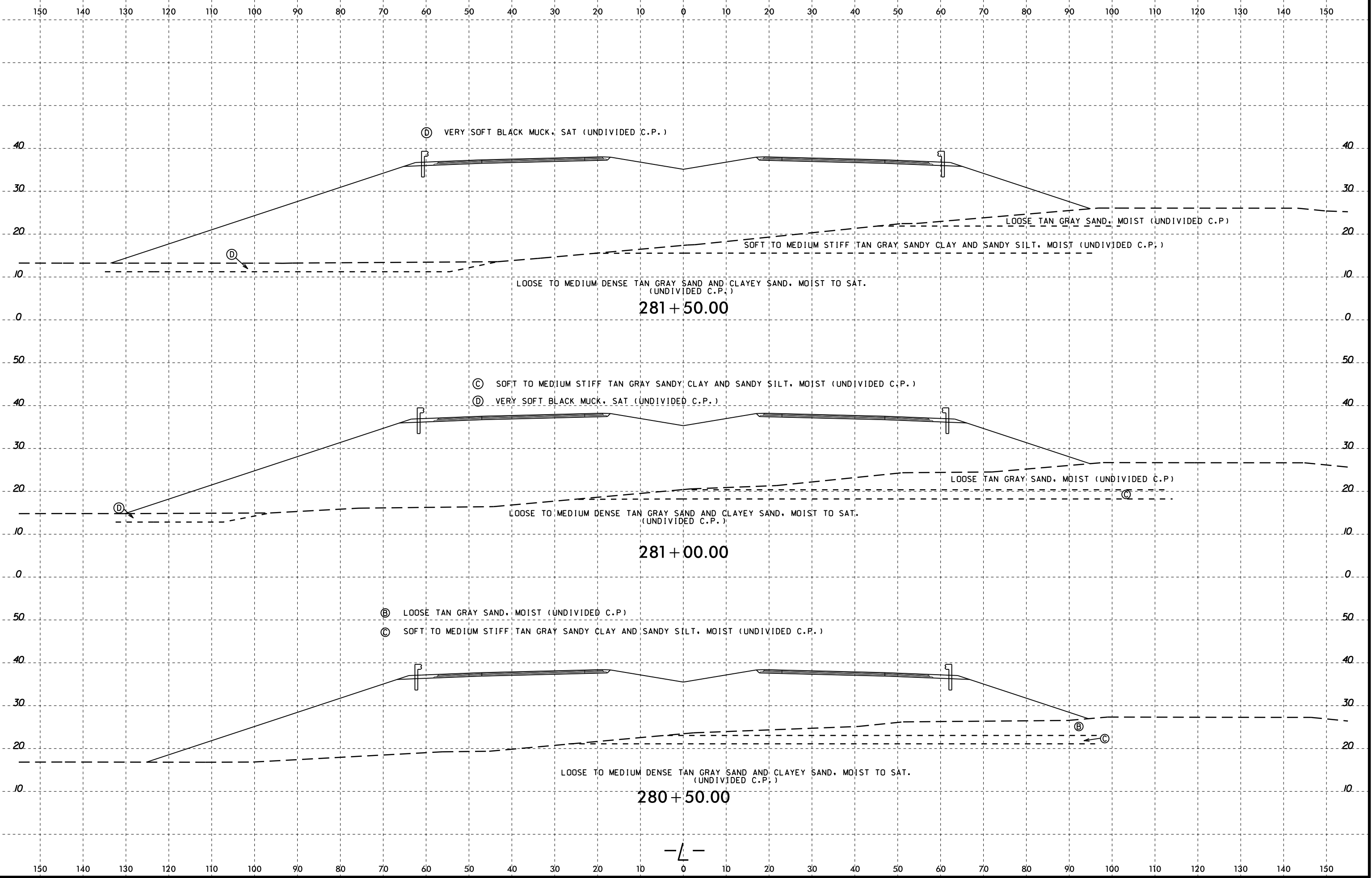
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G. Turner

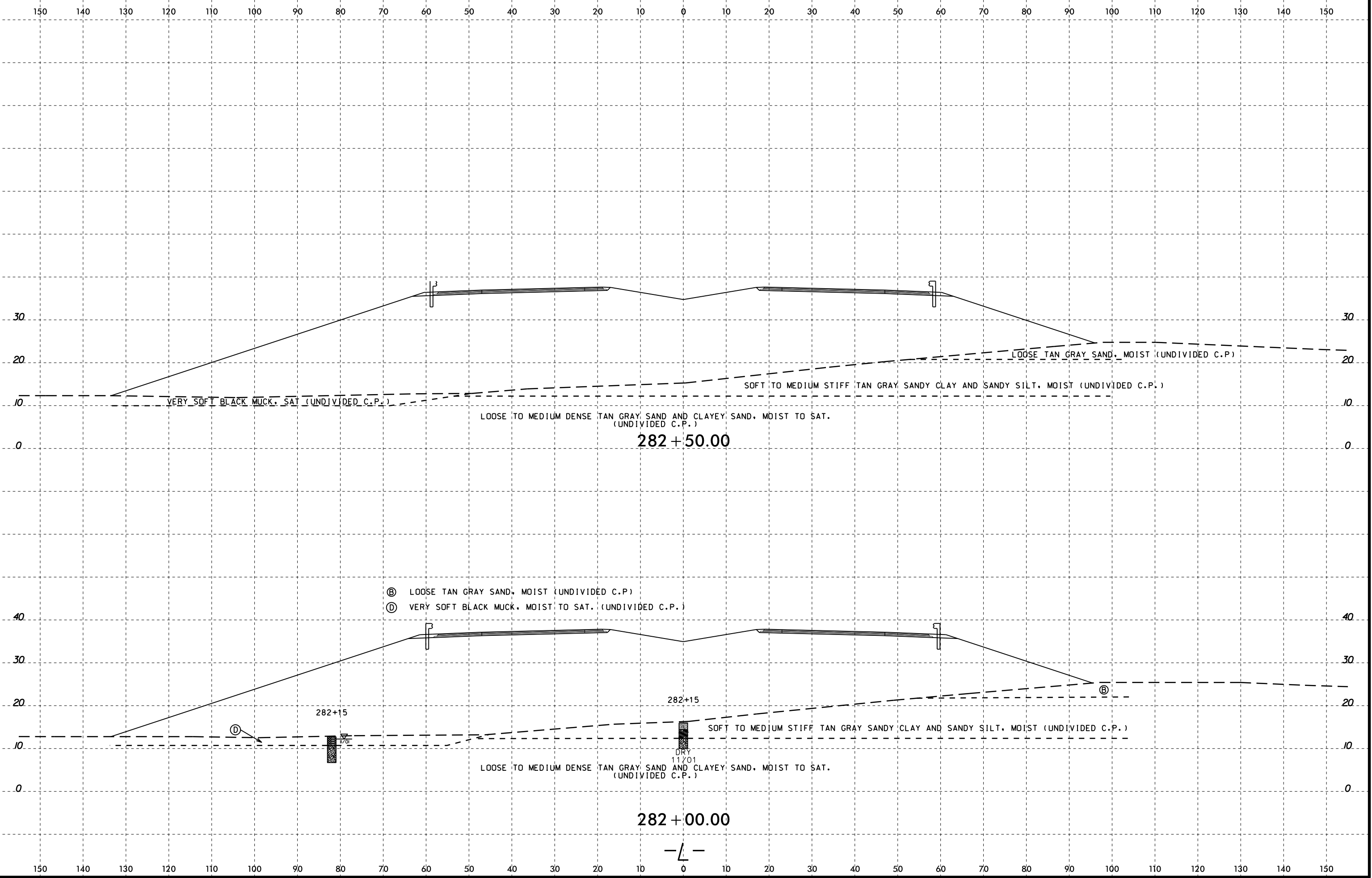


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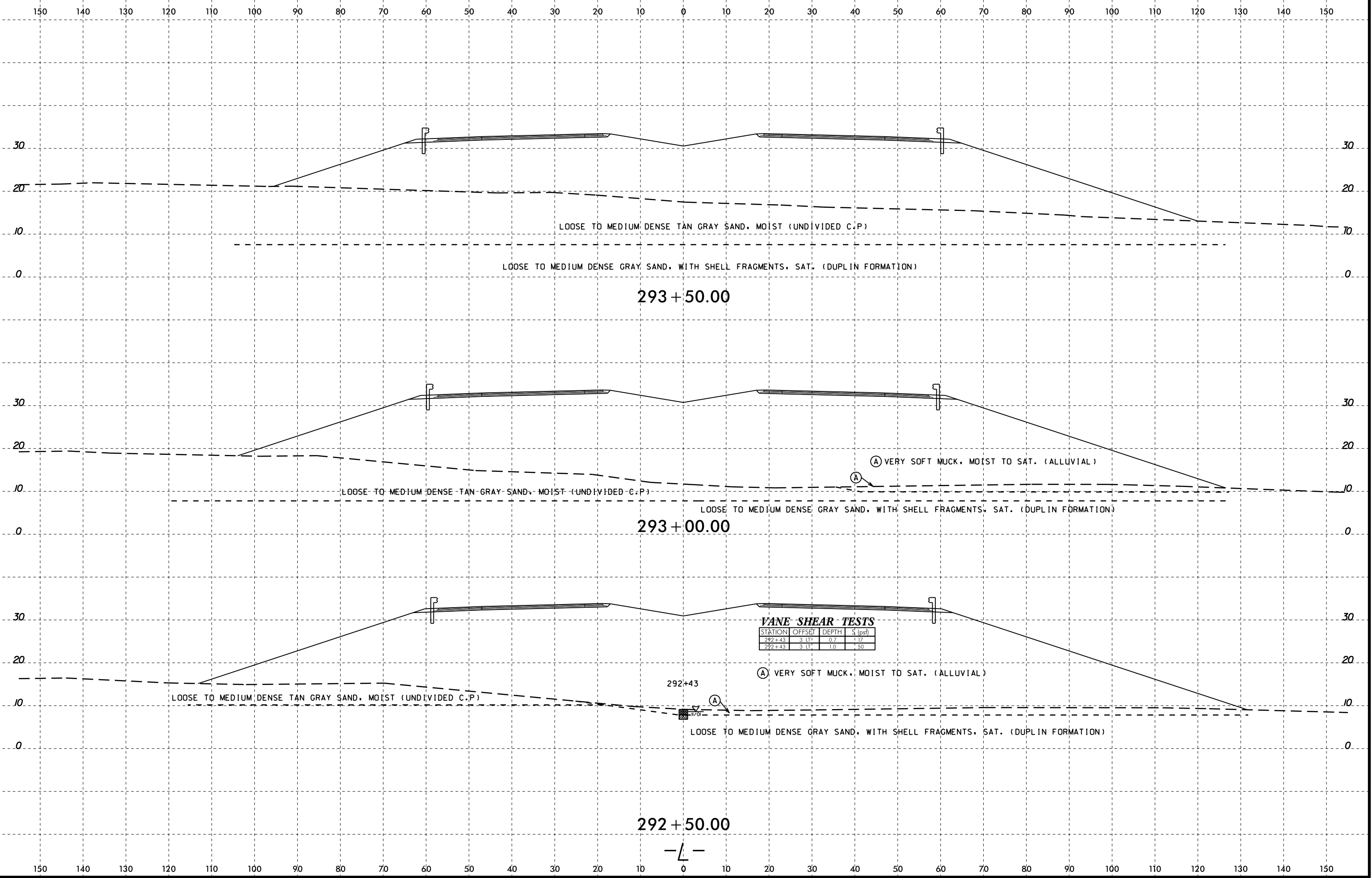


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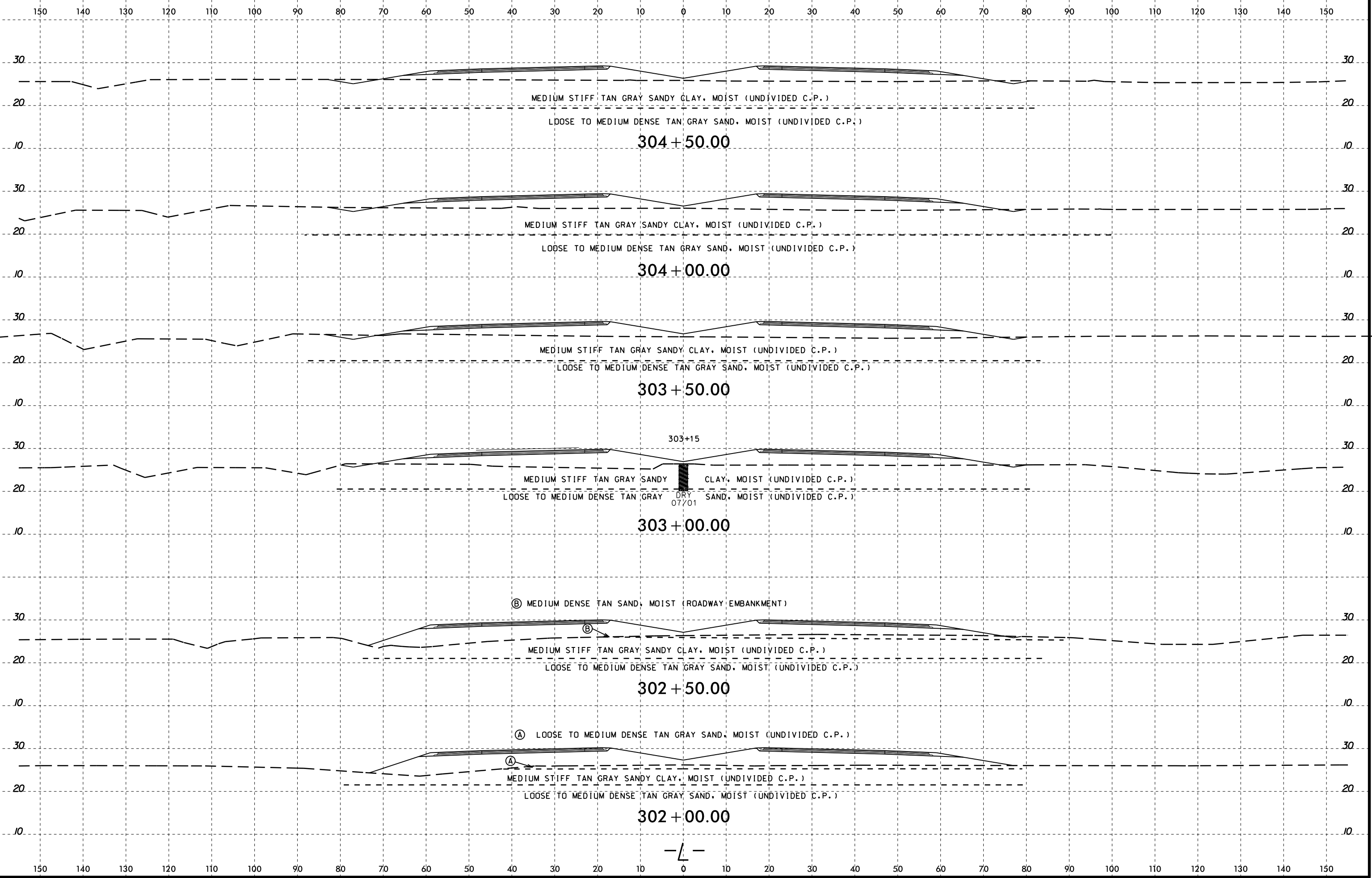
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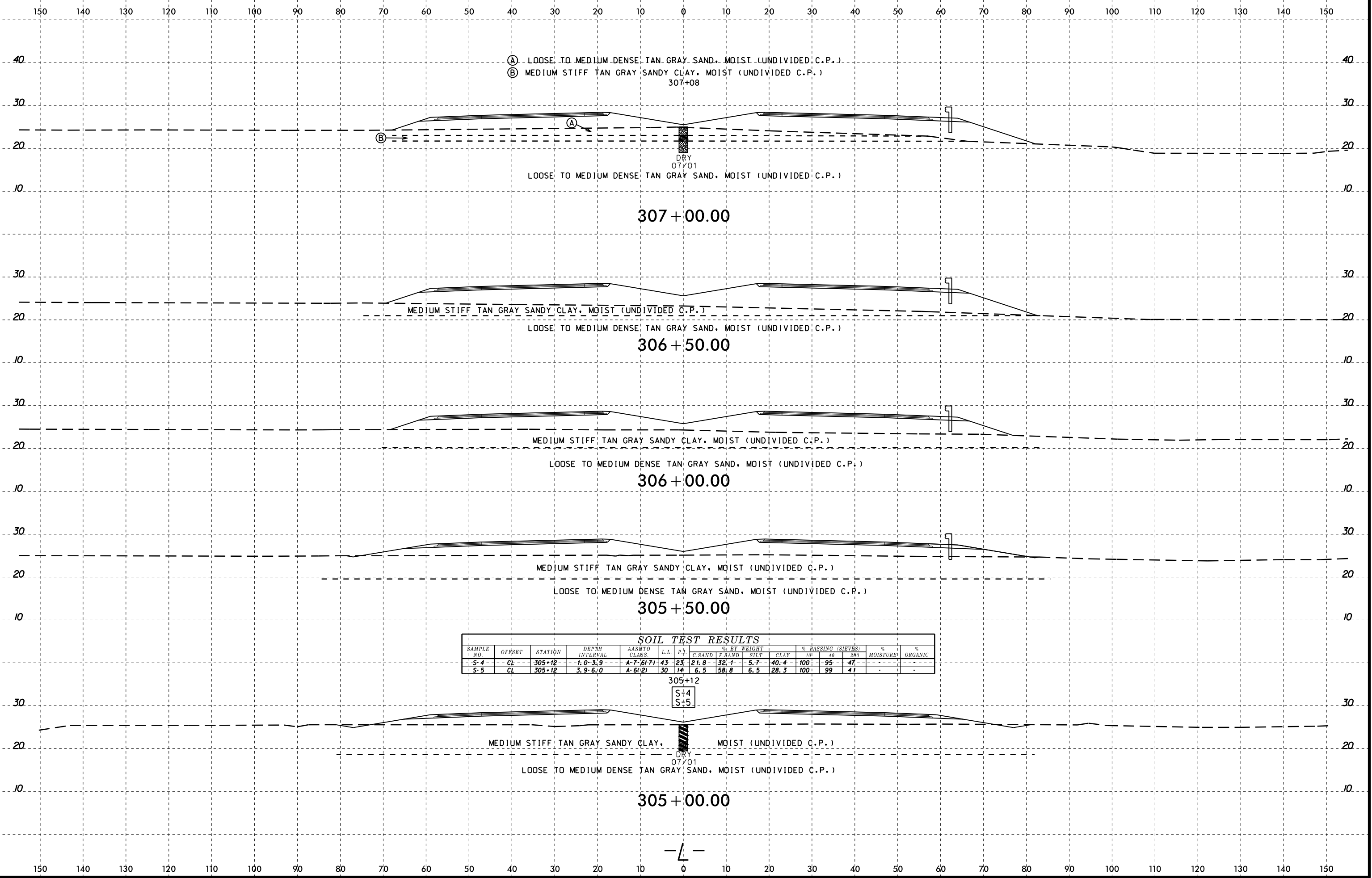
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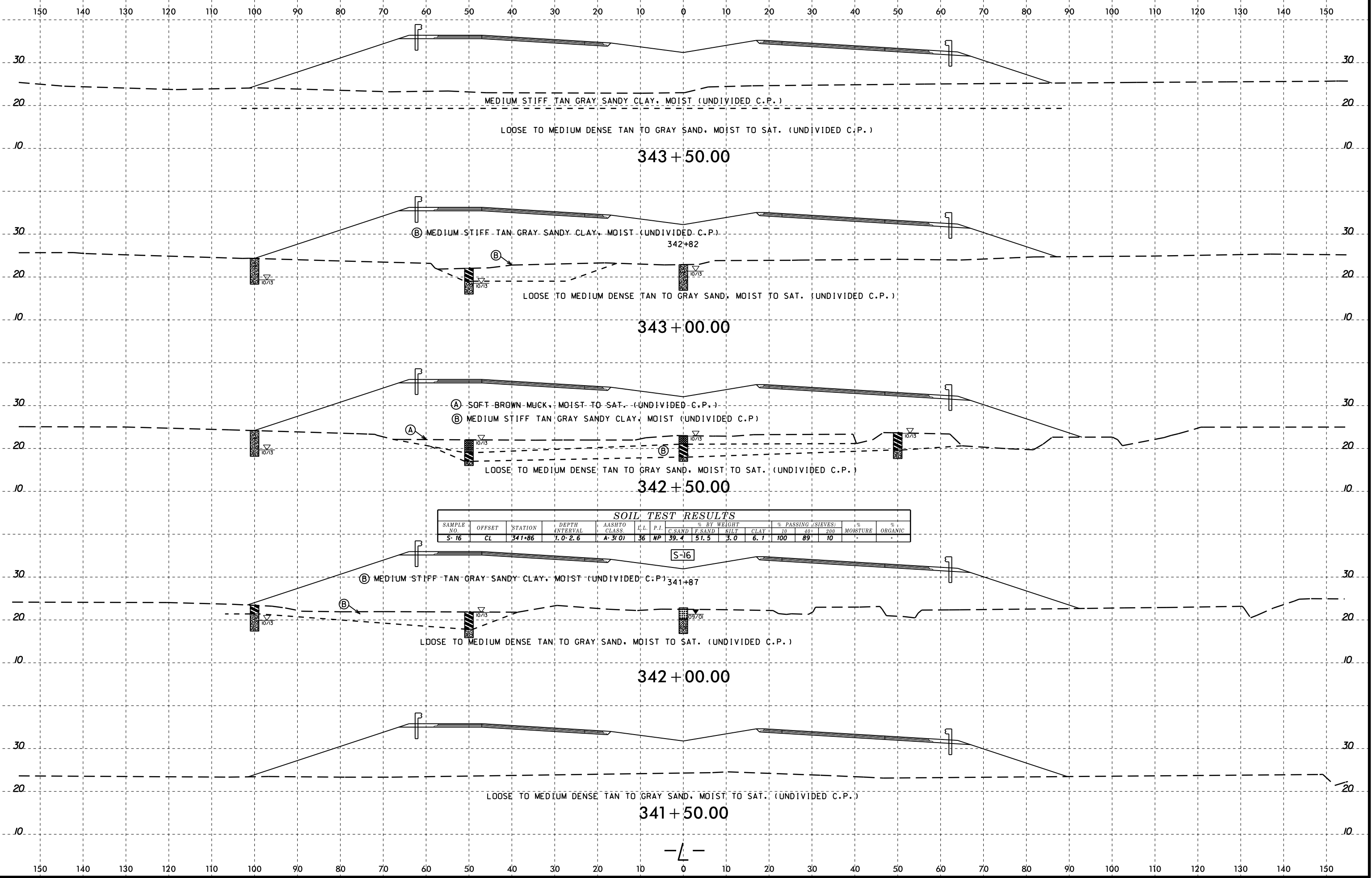
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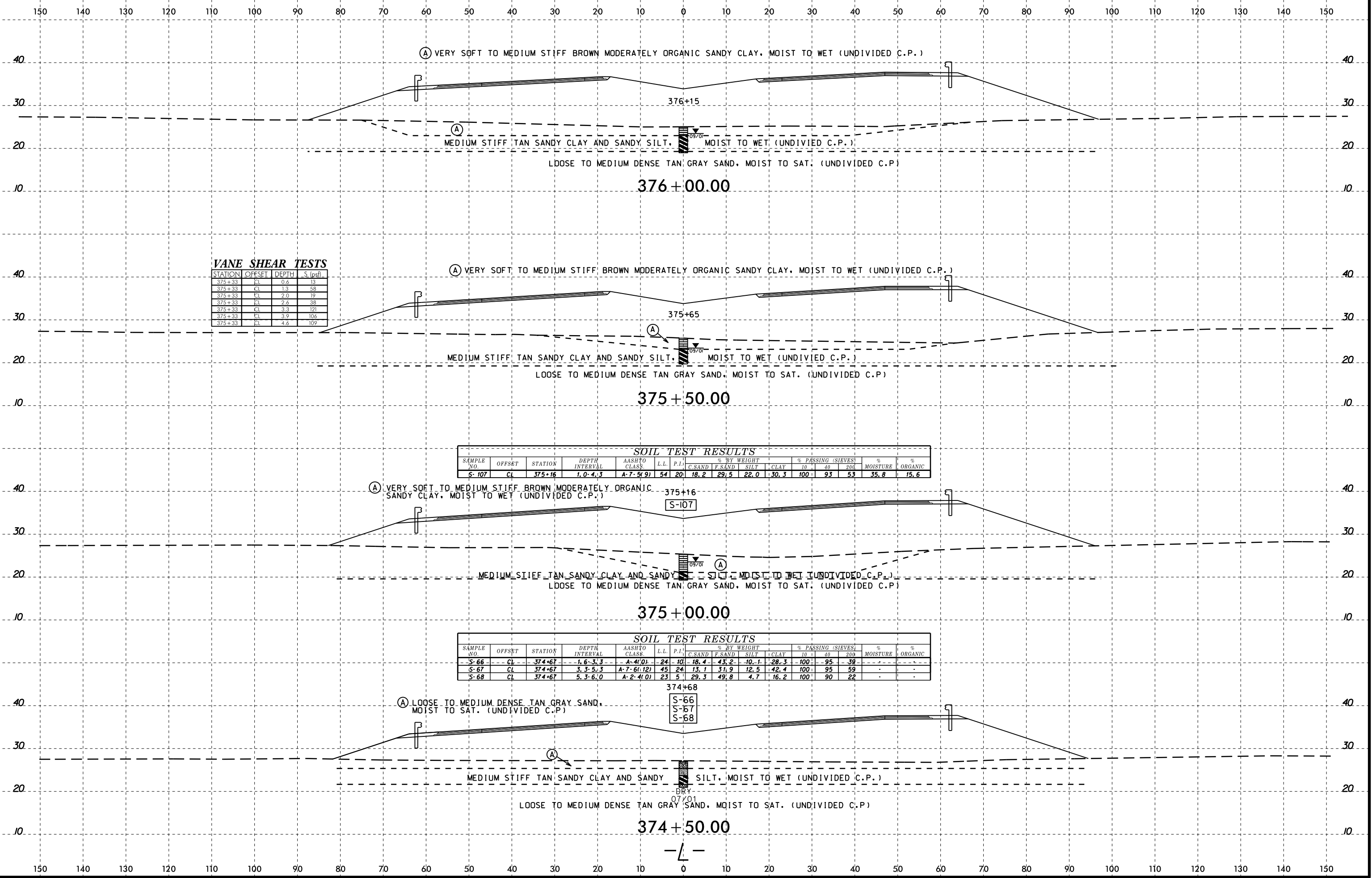


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Aly:GEG77330  
Co:Turner

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**VANE SHEAR TESTS**

STATION	OFFSET	DEPTH	S (psf)
375+33	CL	0.6	13
375+33	CL	1.3	58
375+33	CL	2.0	19
375+33	CL	2.6	38
375+33	CL	3.3	121
375+33	CL	3.9	106
375+33	CL	4.6	109

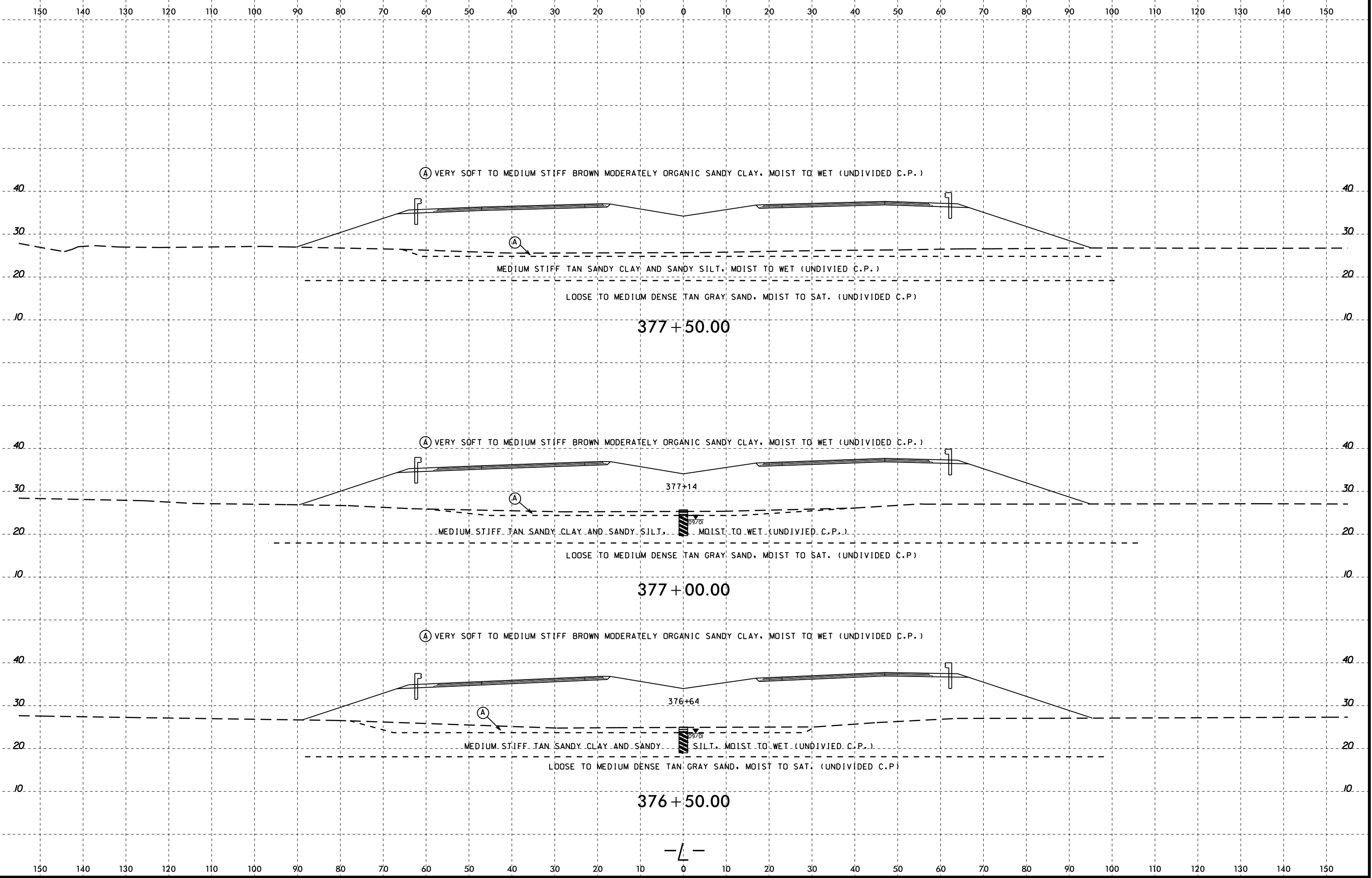
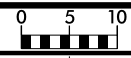
**SOIL TEST RESULTS**

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L.L.	P.I.	% BY WEIGHT			% PASSING (SIEVES)		% MOISTURE	% ORGANIC		
							C.SAND	F.SAND	SILT	10	200				
S-107	CL	375+16	1.0-4.3	A-7-5(9)	54	20	18.2	29.5	22.0	30.3	100	93	53	35.8	15.6

**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	10	200				
S-66	CL	374+67	1.6-3.3	A-4(0)	24	10	18.4	43.2	10.1	28.3	100	95	39	-	-
S-67	CL	374+67	3.3-5.3	A-7-6(12)	45	24	13.1	31.9	12.5	42.4	100	95	59	-	-
S-68	CL	374+67	5.3-6.0	A-2-4(0)	23	5	29.3	49.8	4.7	16.2	100	90	22	-	-

8/23/99

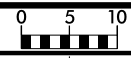


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 Atty: GEG77238  
 G. Turner

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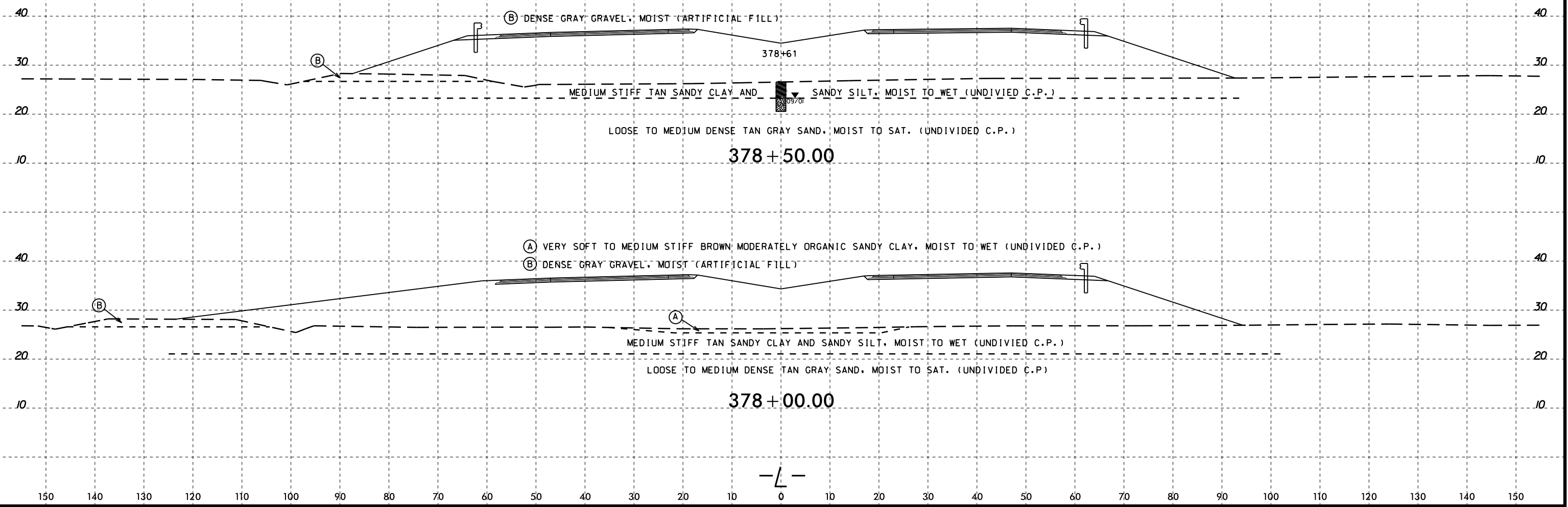


8/23/99



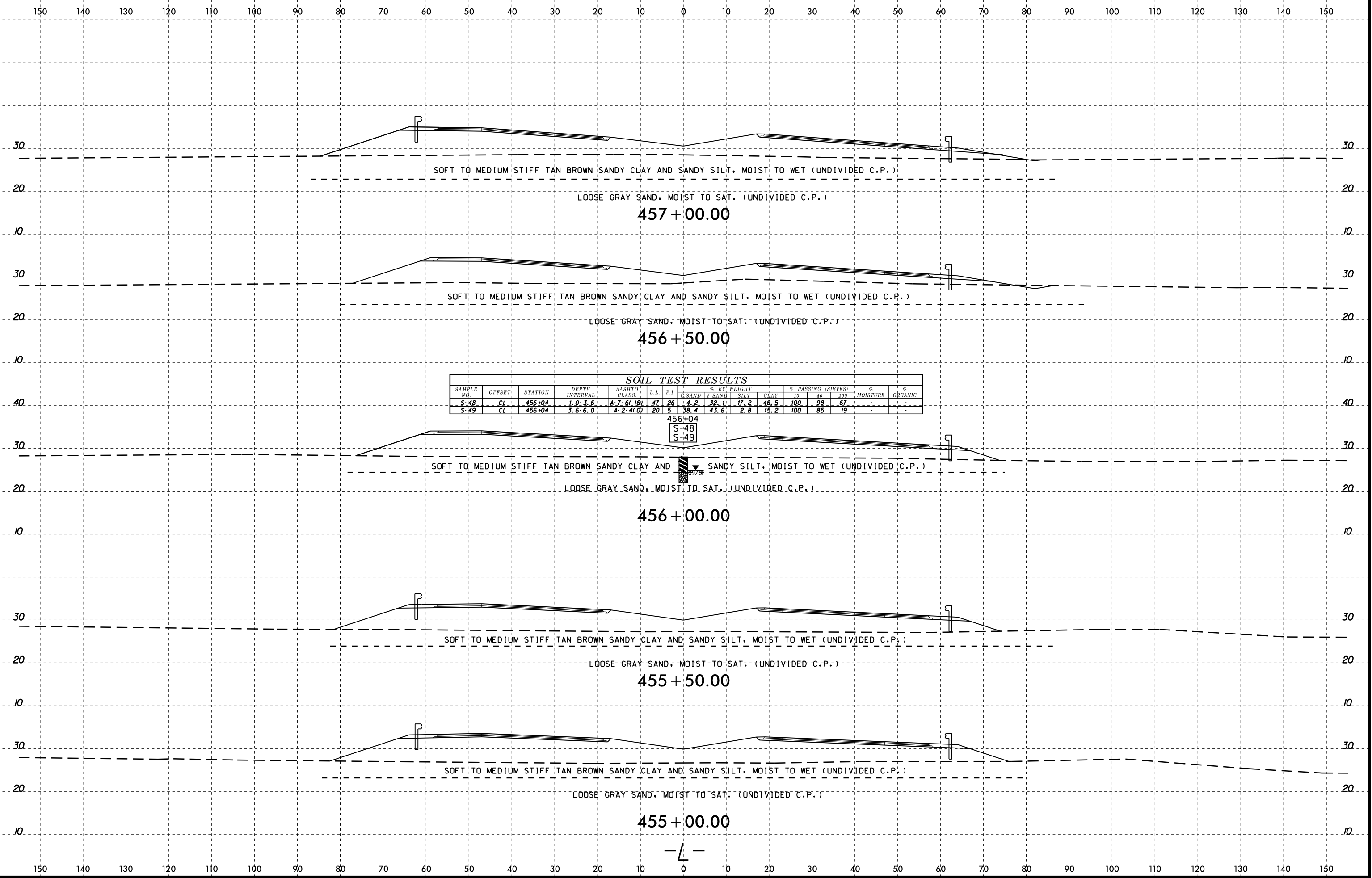
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R-1015	142

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

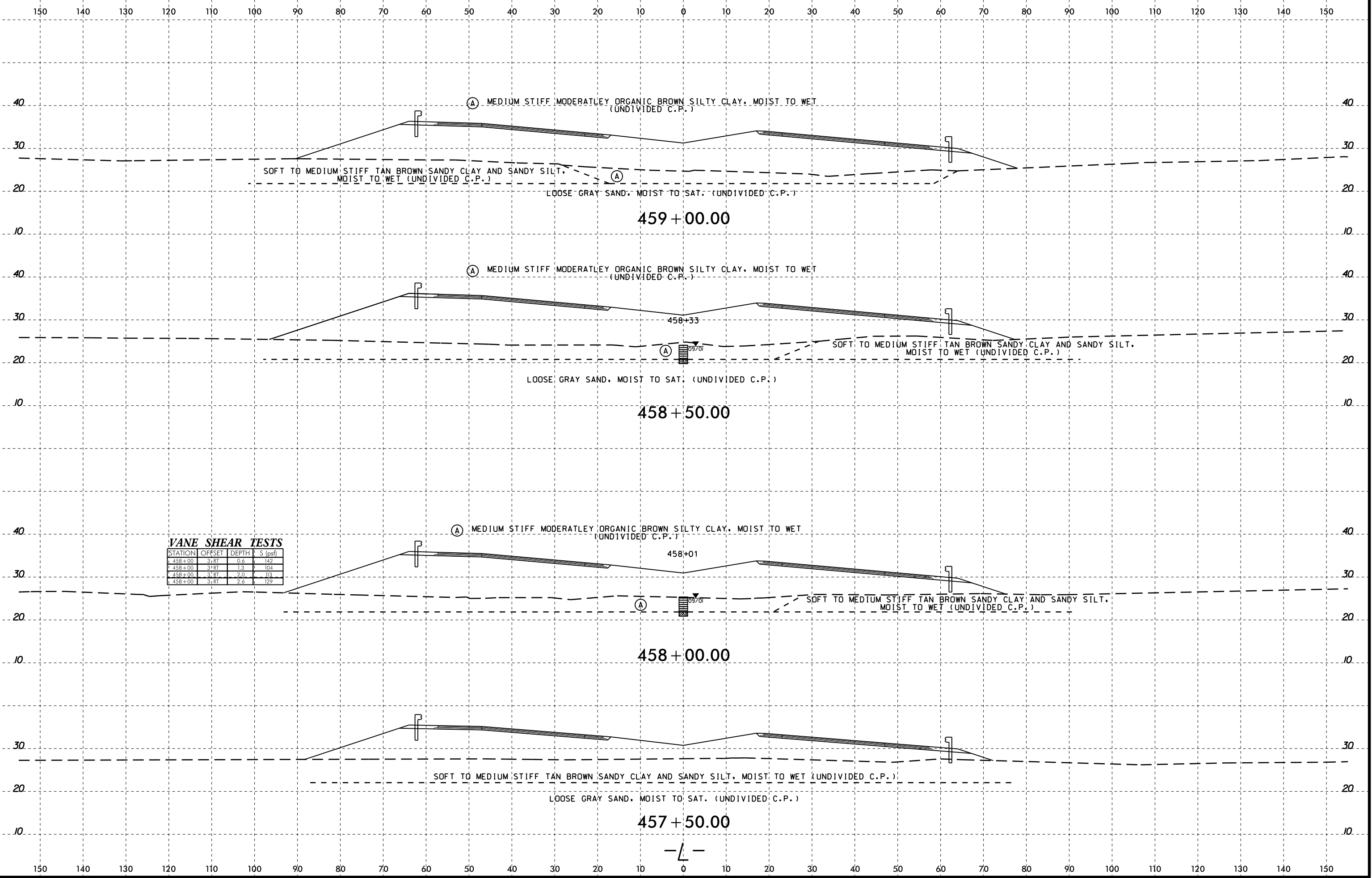
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**SOIL TEST RESULTS**

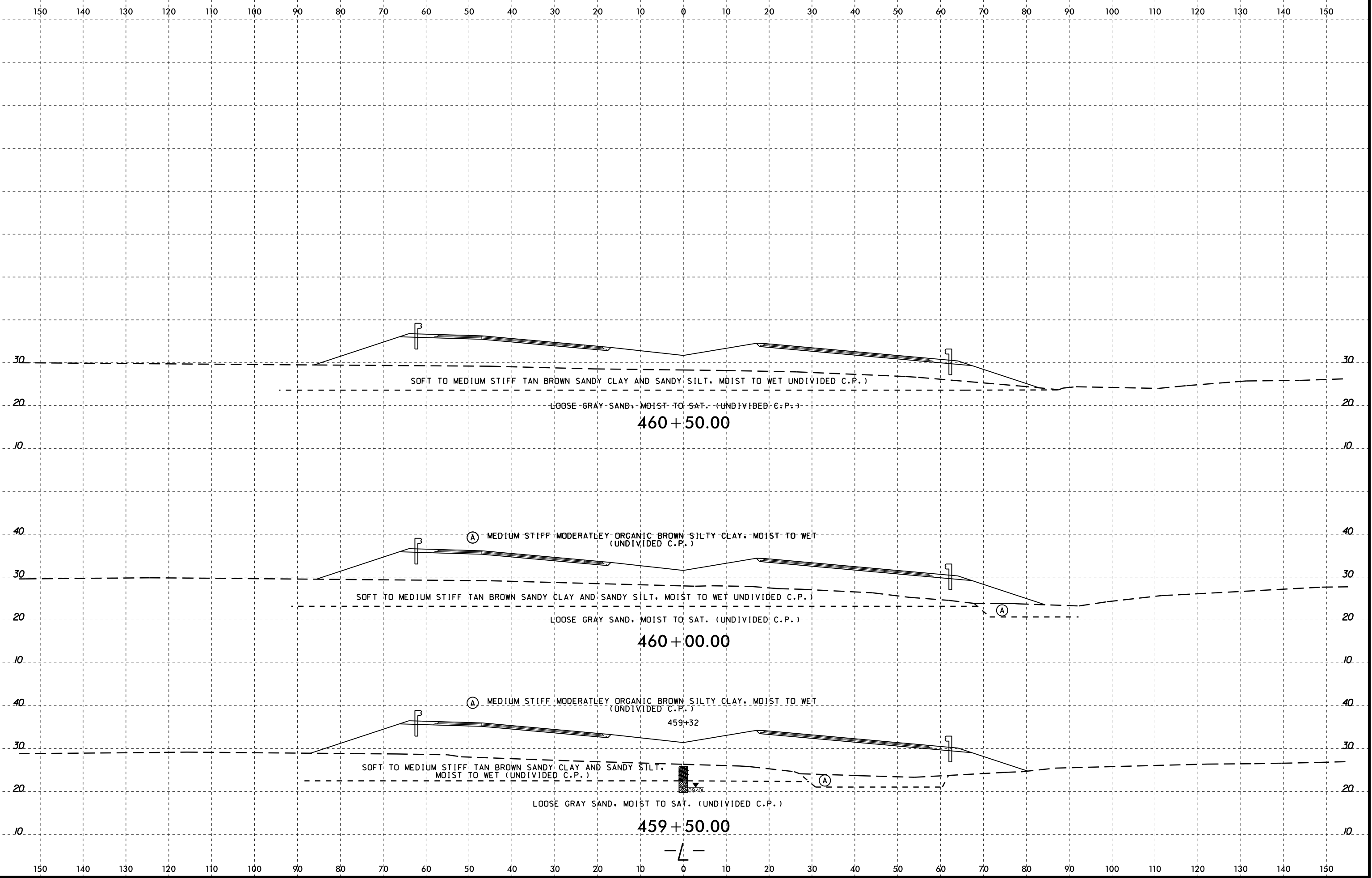
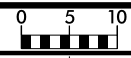
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							G SAND	F SAND	SILT	CLAY	10	40	200		
S-48	CL	456+04	1.0-3.6	A-7-6(16)	47	26	4.2	32.1	17.2	46.5	100	98	67	-	-
S-49	CL	456+04	3.6-6.0	A-2-4(0)	20	5	38.4	43.6	2.8	15.2	100	85	19	-	-

456+04  
S-48  
S-49

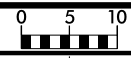


**VANE SHEAR TESTS**

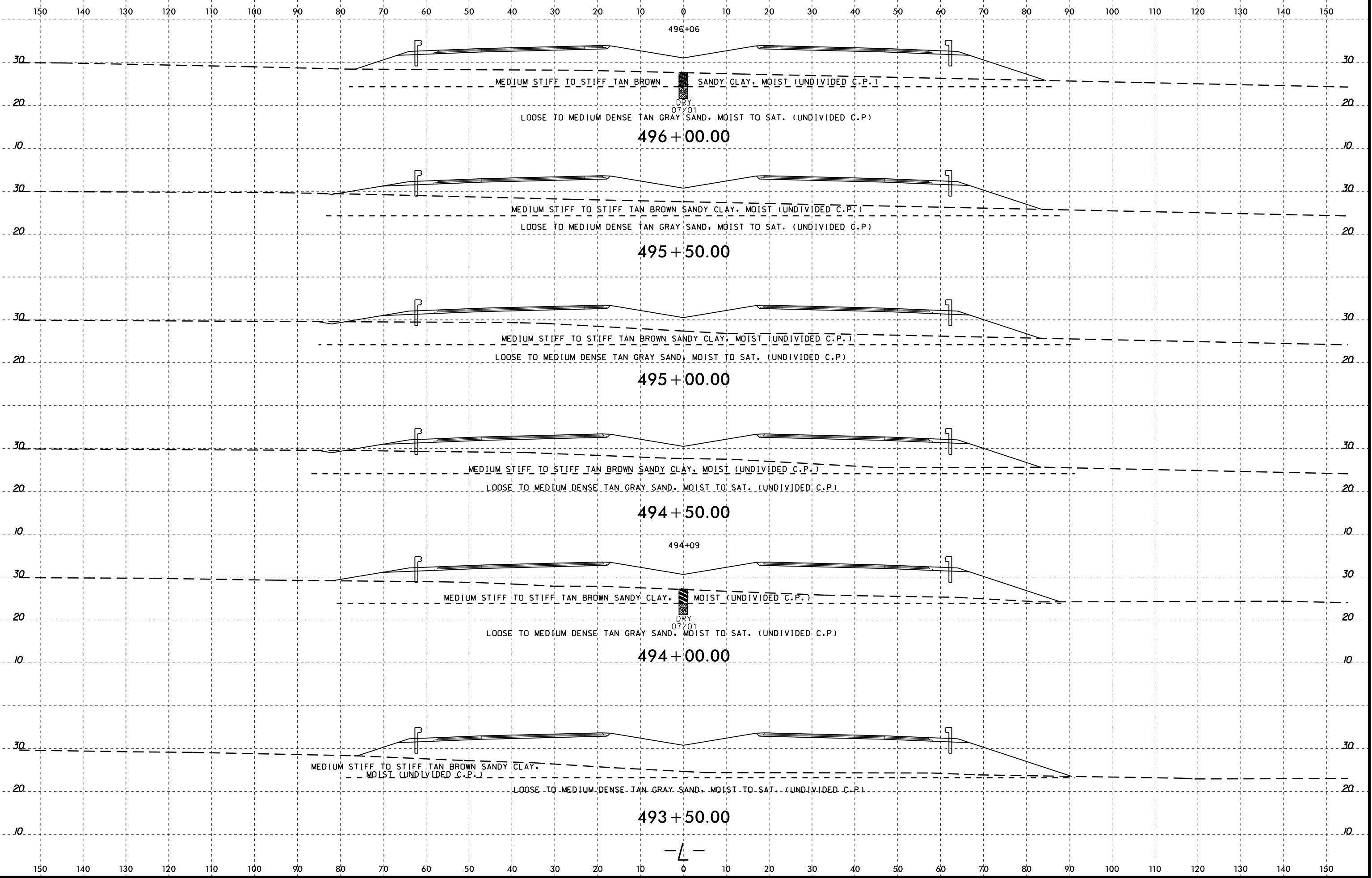
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458+00	3' RT	0.6	142
458+00	3' RT	1.3	104
458+00	3' RT	2.0	113
458+00	3' RT	2.6	129



8/23/99



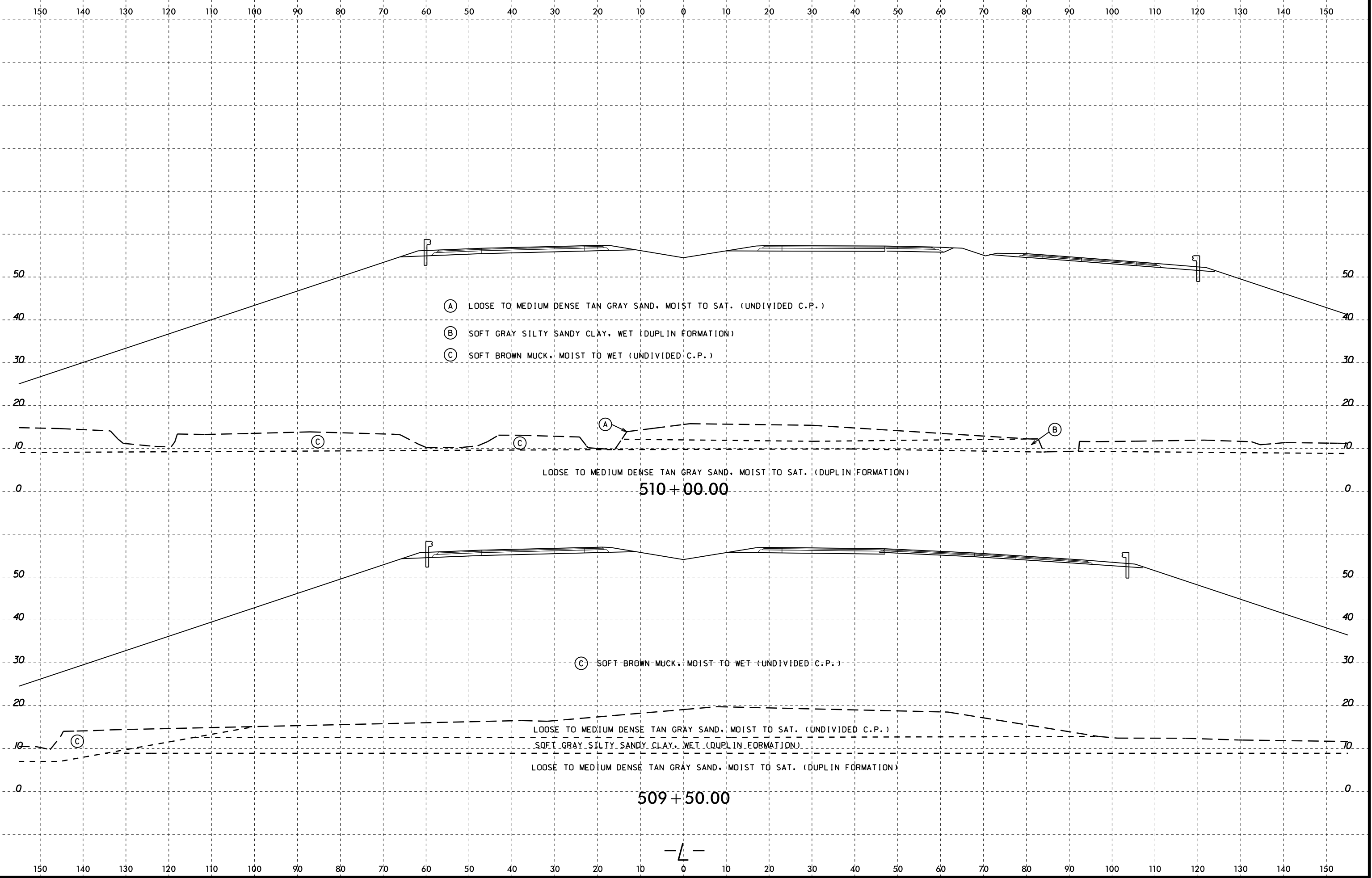
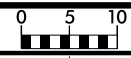
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 Atty: GEG77238  
 G. Turner

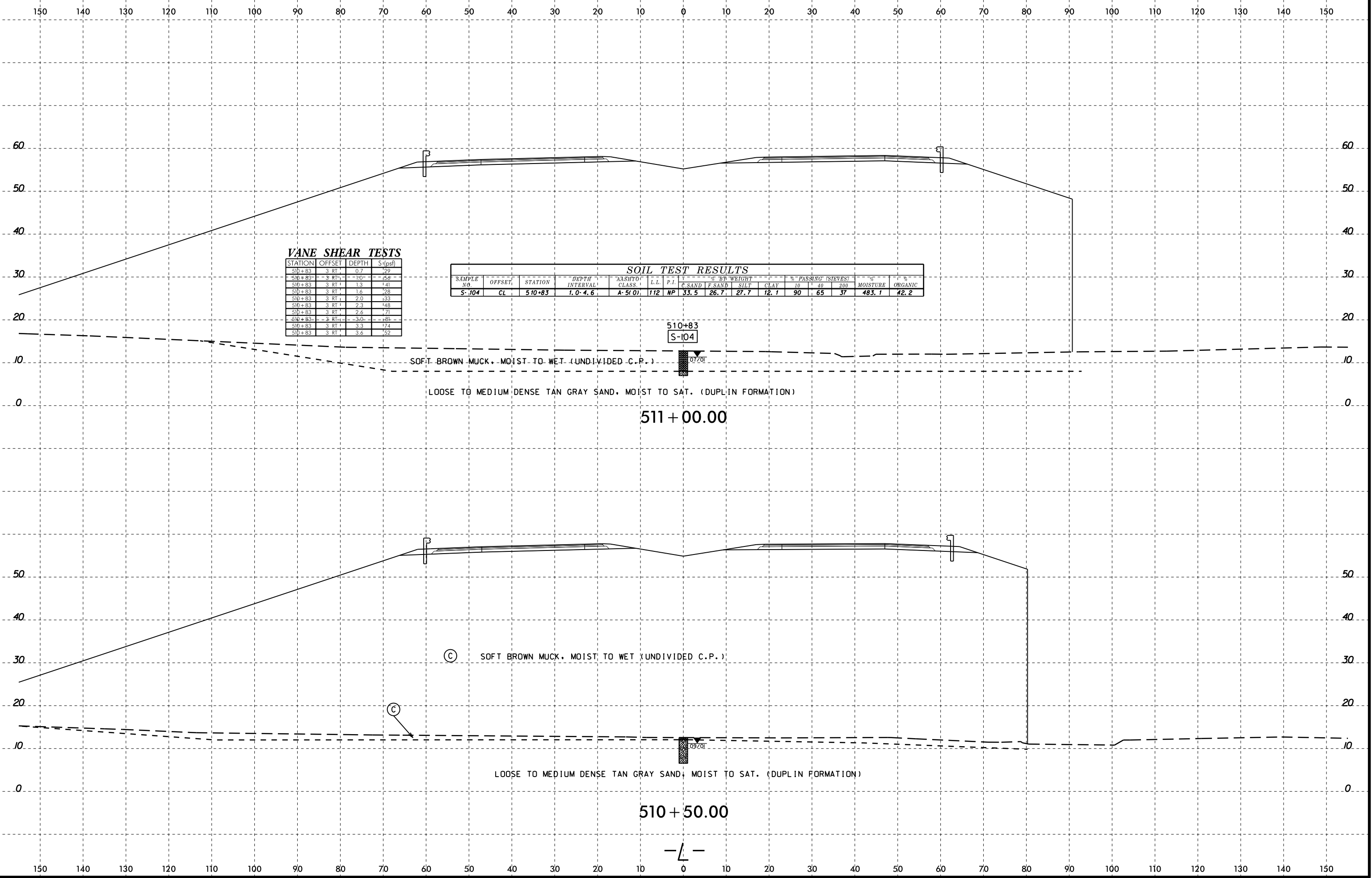
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 Atty: GEG/77338  
 G. Turner

-L-



**VANE SHEAR TESTS**

STATION	OFFSET	DEPTH	S <sub>v</sub> (psf)
510+83	3 RT	0.7	129
510+83	3 RT	1.0	141
510+83	3 RT	1.3	141
510+83	3 RT	1.6	128
510+83	3 RT	2.0	133
510+83	3 RT	2.3	148
510+83	3 RT	2.6	171
510+83	3 RT	3.0	181
510+83	3 RT	3.3	174
510+83	3 RT	3.6	152

**SOIL TEST RESULTS**

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% PASSING (SIEVES)				% MOISTURE		% ORGANIC		
							#10	#40	#200	W	P				
S-104	CL	510+83	1.0-4.6	A-5(0)	112	NP	33.5	26.7	27.7	12.1	90	65	37	483.1	42.2

SOFT BROWN MUCK, MOIST TO WET (UNDIVIDED C.P.)

LOOSE TO MEDIUM DENSE TAN GRAY SAND, MOIST TO SAT. (DUPLIN FORMATION)

511 + 00.00

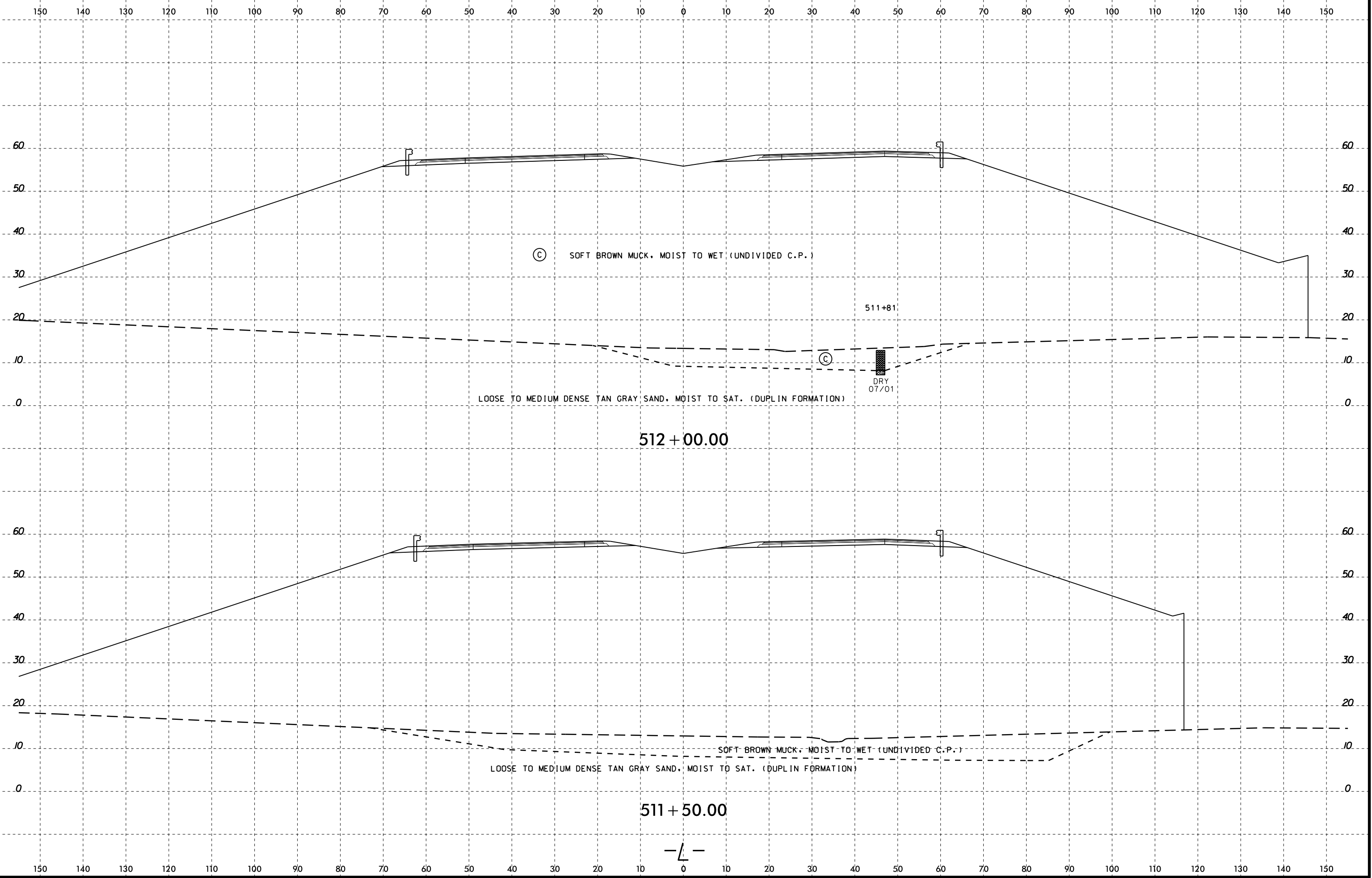
Ⓢ SOFT BROWN MUCK, MOIST TO WET (UNDIVIDED C.P.)

Ⓢ LOOSE TO MEDIUM DENSE TAN GRAY SAND, MOIST TO SAT. (DUPLIN FORMATION)

510 + 50.00

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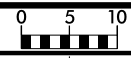
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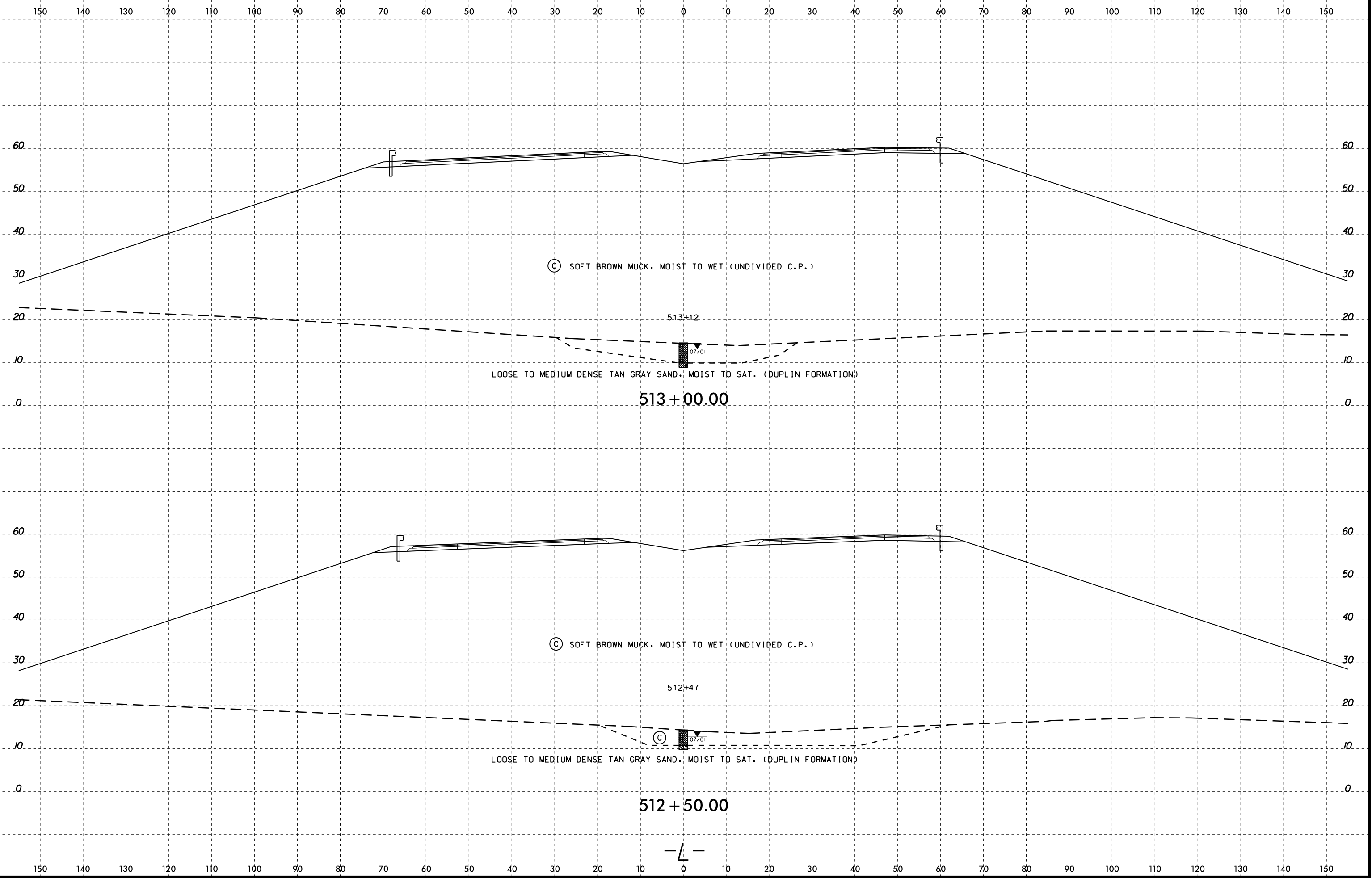
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 At: GEG77330  
 Co: Turner



8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-1015	150



Ⓢ SOFT BROWN MUCK, MOIST TO WET (UNDIVIDED C.P.)

LOOSE TO MEDIUM DENSE TAN GRAY SAND, MOIST TO SAT. (DUPLIN FORMATION)

513 + 00.00

Ⓢ SOFT BROWN MUCK, MOIST TO WET (UNDIVIDED C.P.)

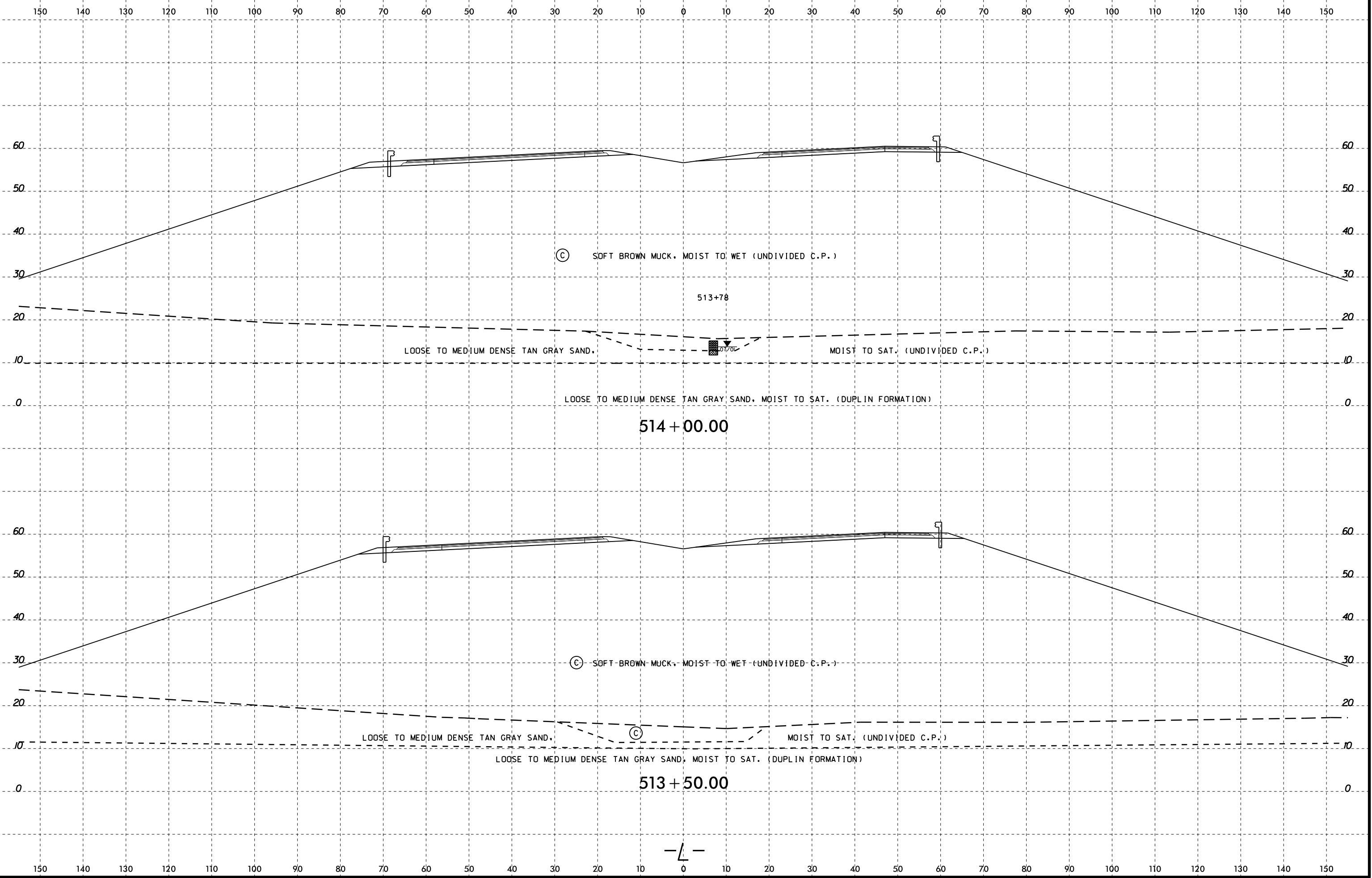
LOOSE TO MEDIUM DENSE TAN GRAY SAND, MOIST TO SAT. (DUPLIN FORMATION)

512 + 50.00

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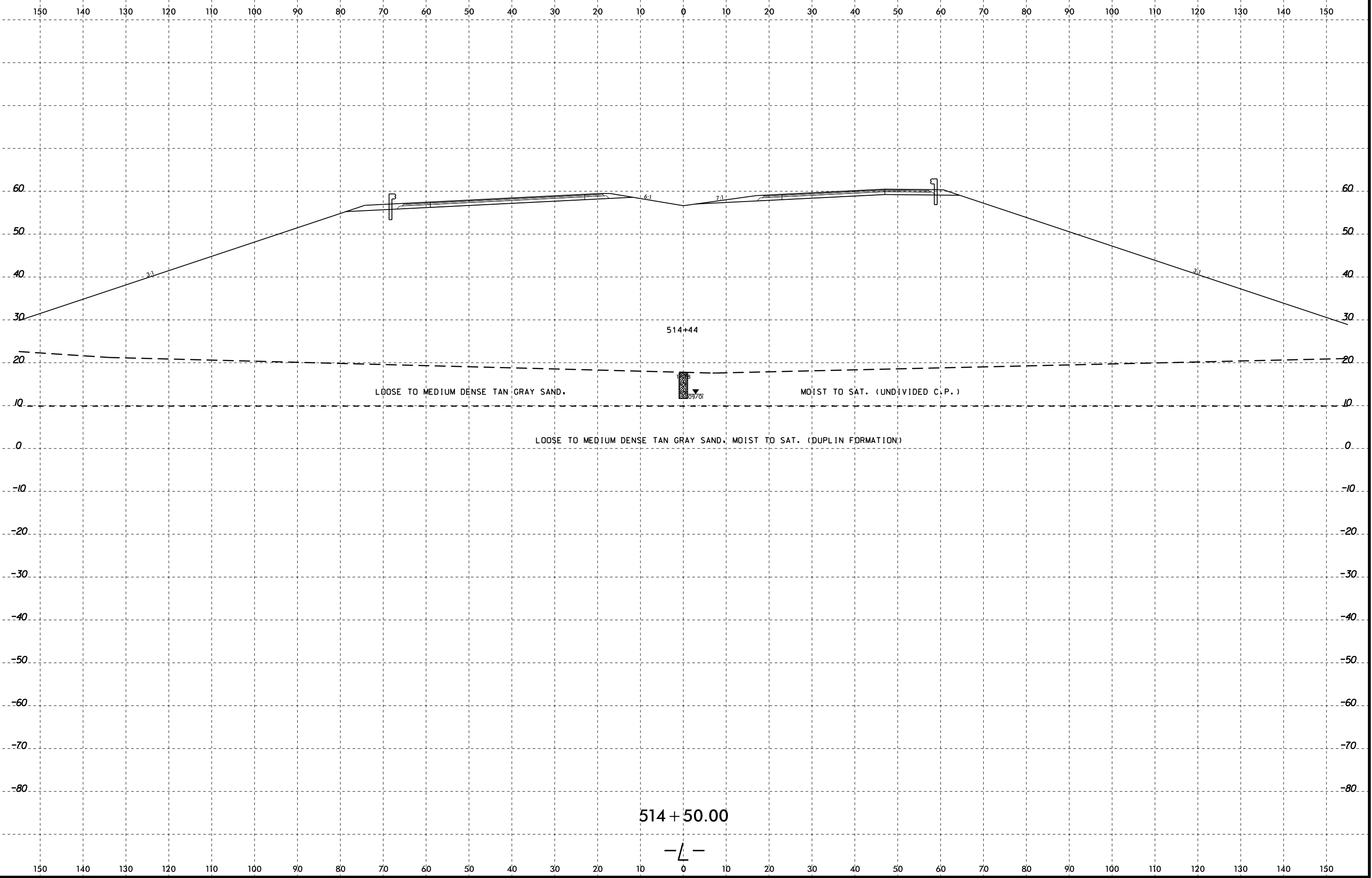
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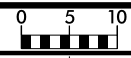


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 G. Turner

514 + 50.00

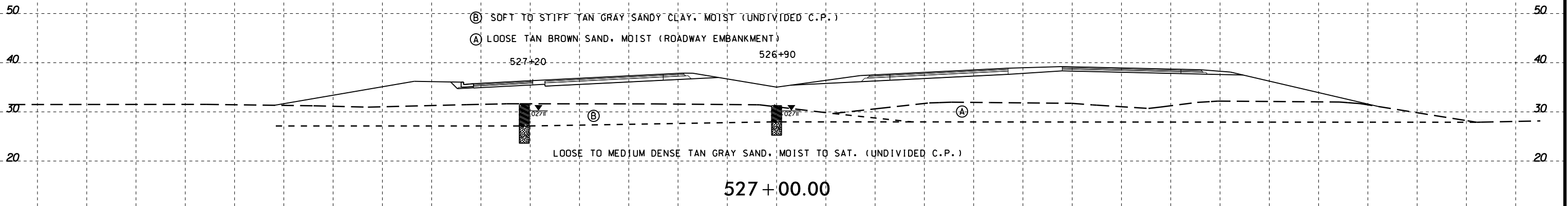
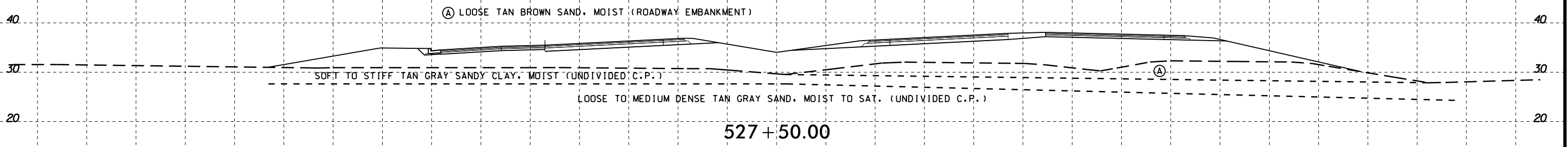
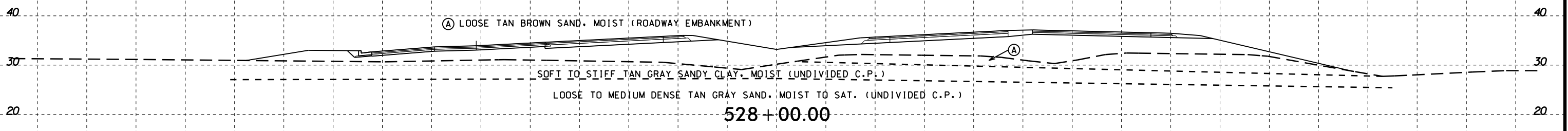
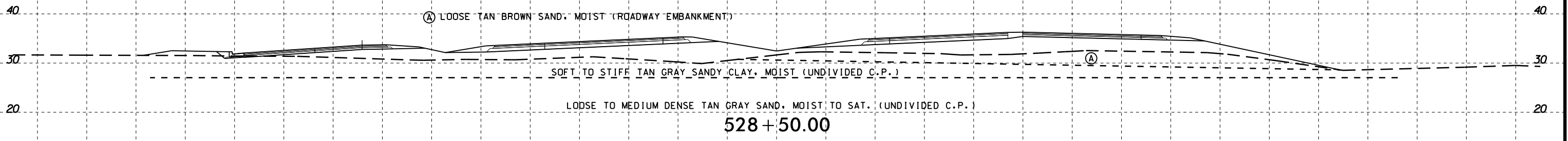
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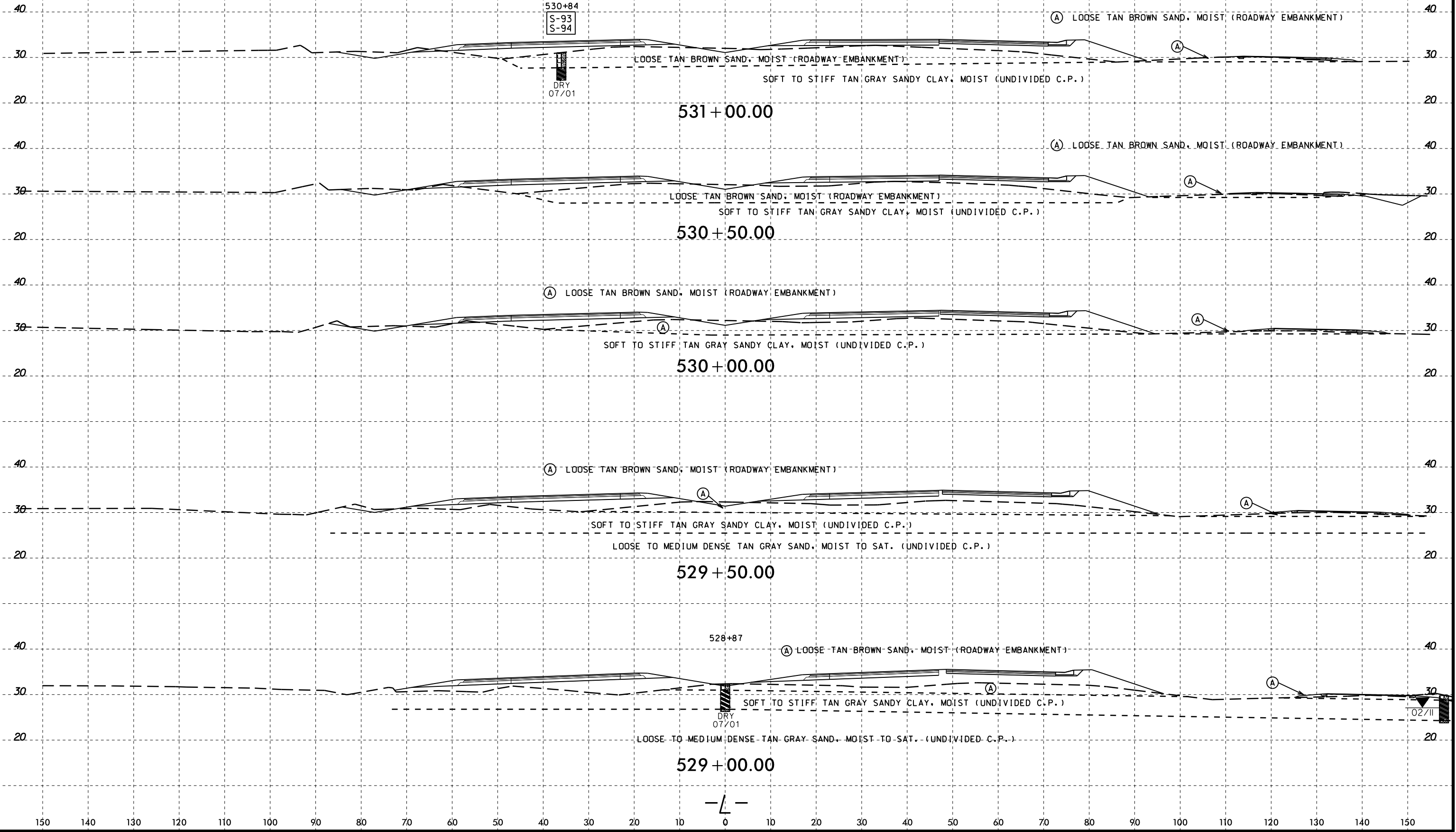


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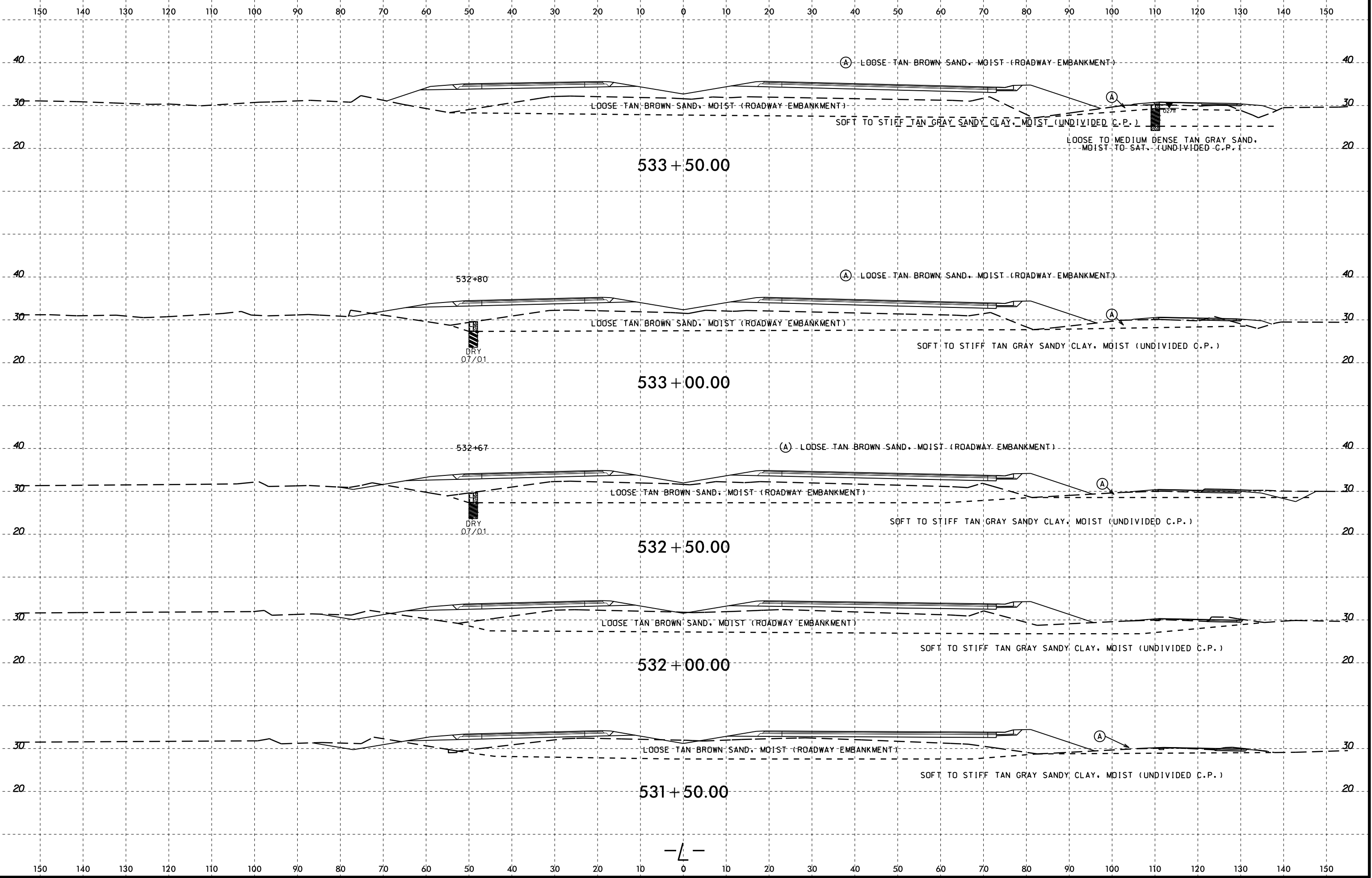
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SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	% BY WEIGHT				% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C. SAND	F. SAND	SILT	CLAY	10	40	200		
S-93	36 LT	530+84	1.0-3.3	A-2-4(0)	22	2	6.1	65.7	10.1	18.2	93	91	28	-	-
S-94	36 LT	530+84	3.3-6.0	A-6(1)	25	11	2.4	63.6	5.7	28.3	100	100	42	-	-



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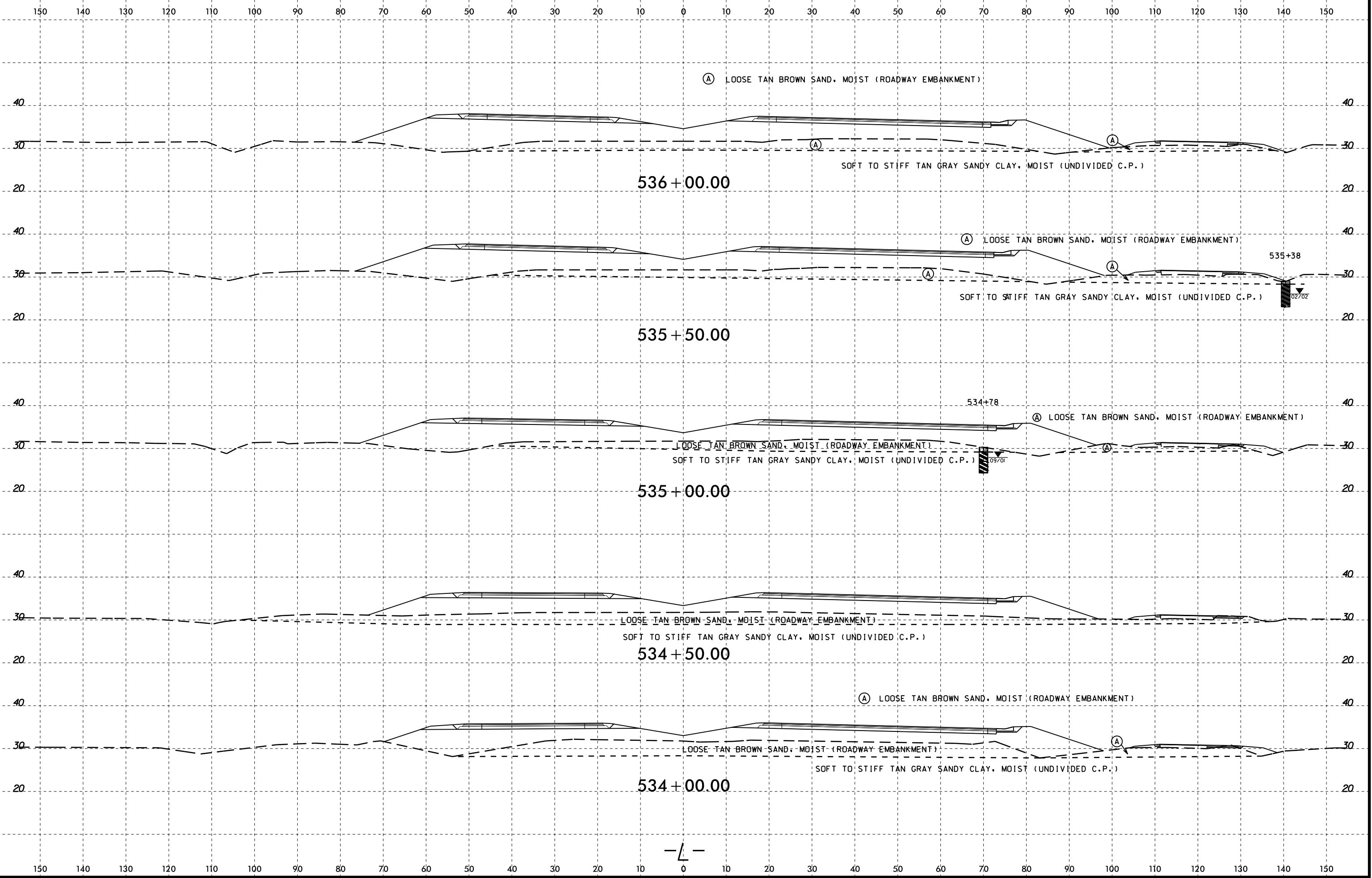
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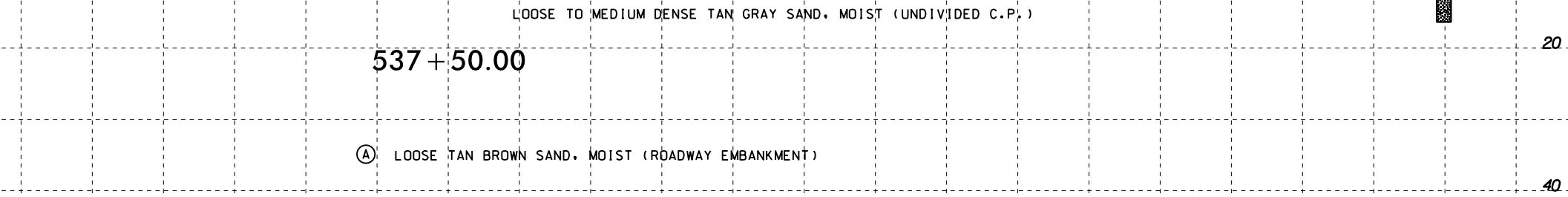
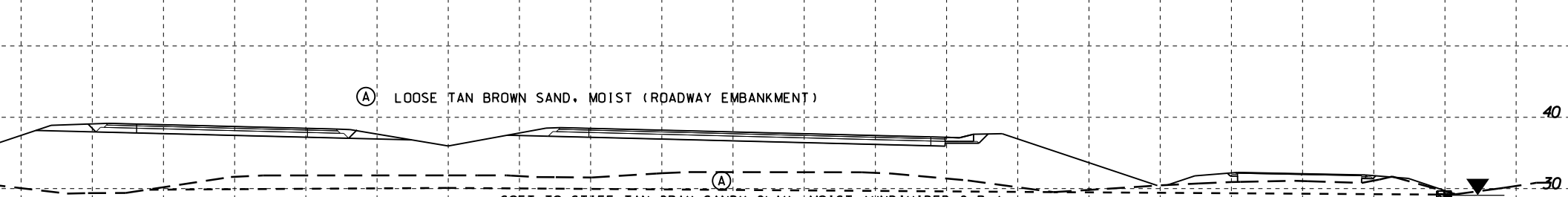
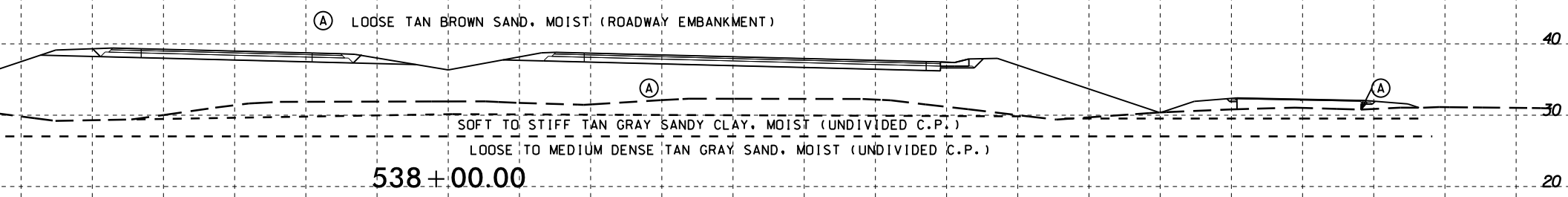
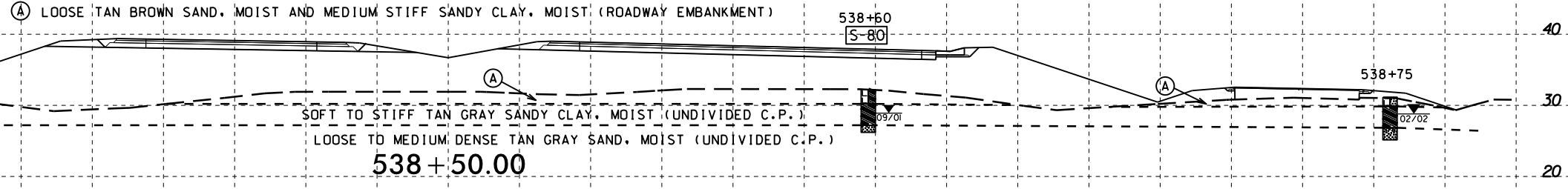
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 At: GEG77330  
 Co: Turner

-L-

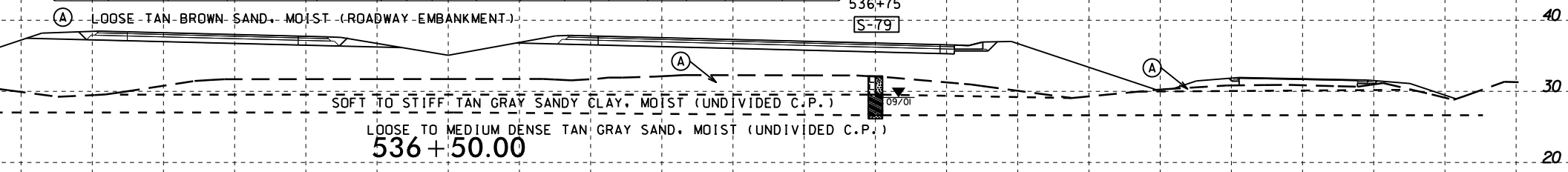
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SOIL TEST RESULTS															
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							C. SAND	F. SAND	SILT	CLAY	10	40	200		
S-80	66 RT	538+60	1.0-5.0	A-6(7)	36	19	2.6	45.5	11.5	40.4	100	99	54	24.2	-



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-79	60 RT	536+75	1.0-2.6	A-2-4(0)	15	NP	2.0	74.8	11.0	12.1	100	100	26	-	-

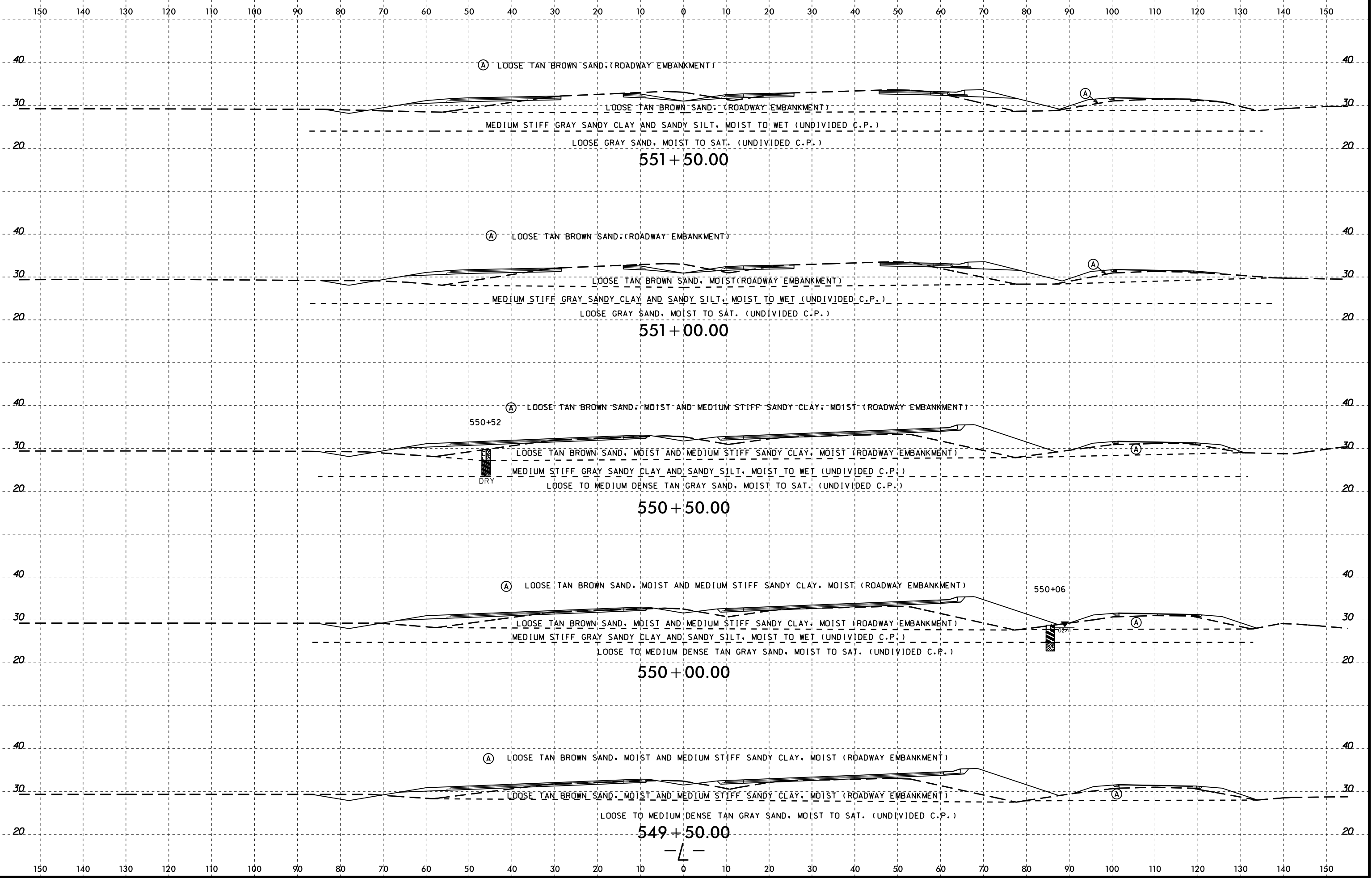


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G. Turner

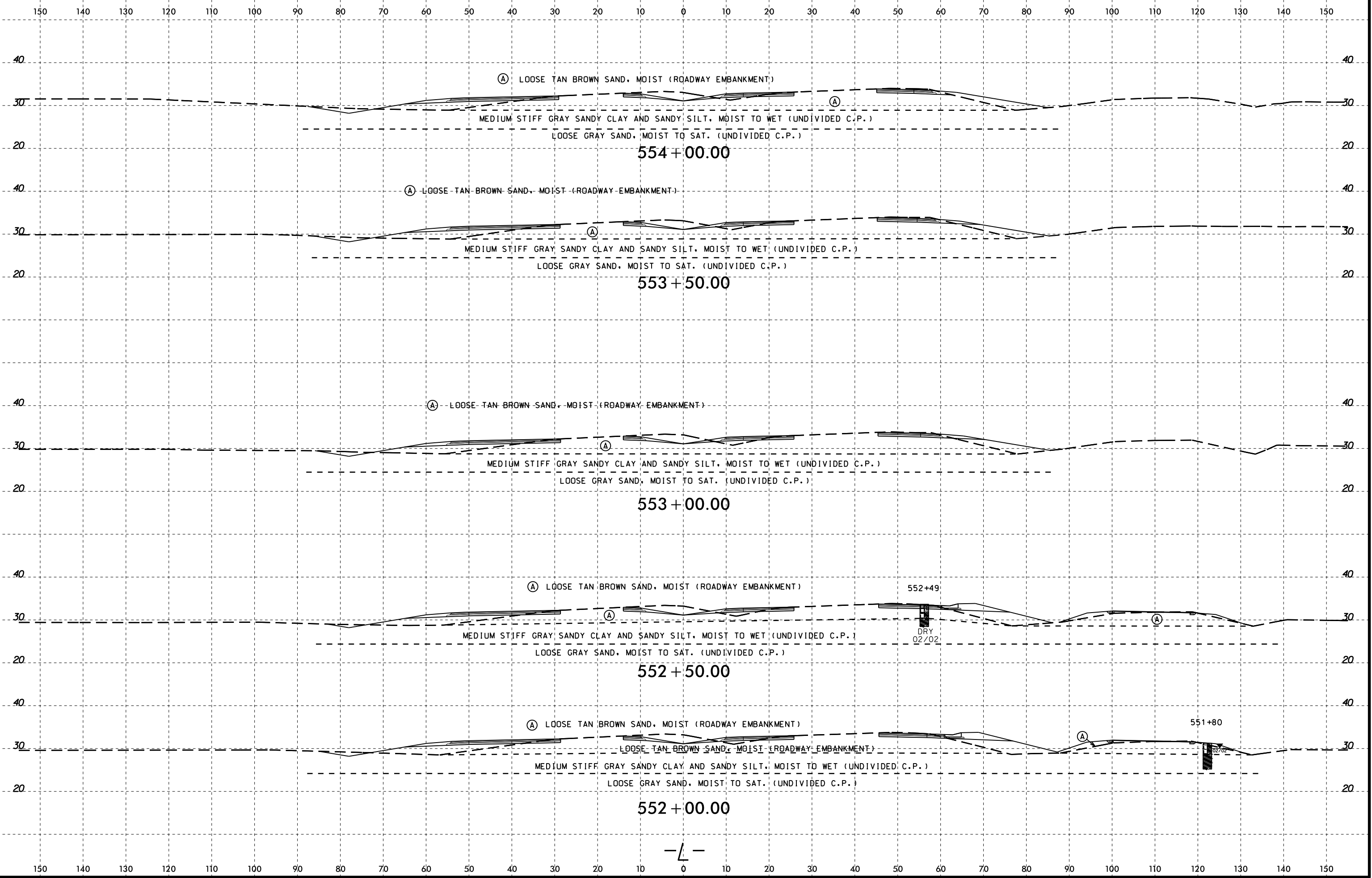


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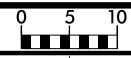
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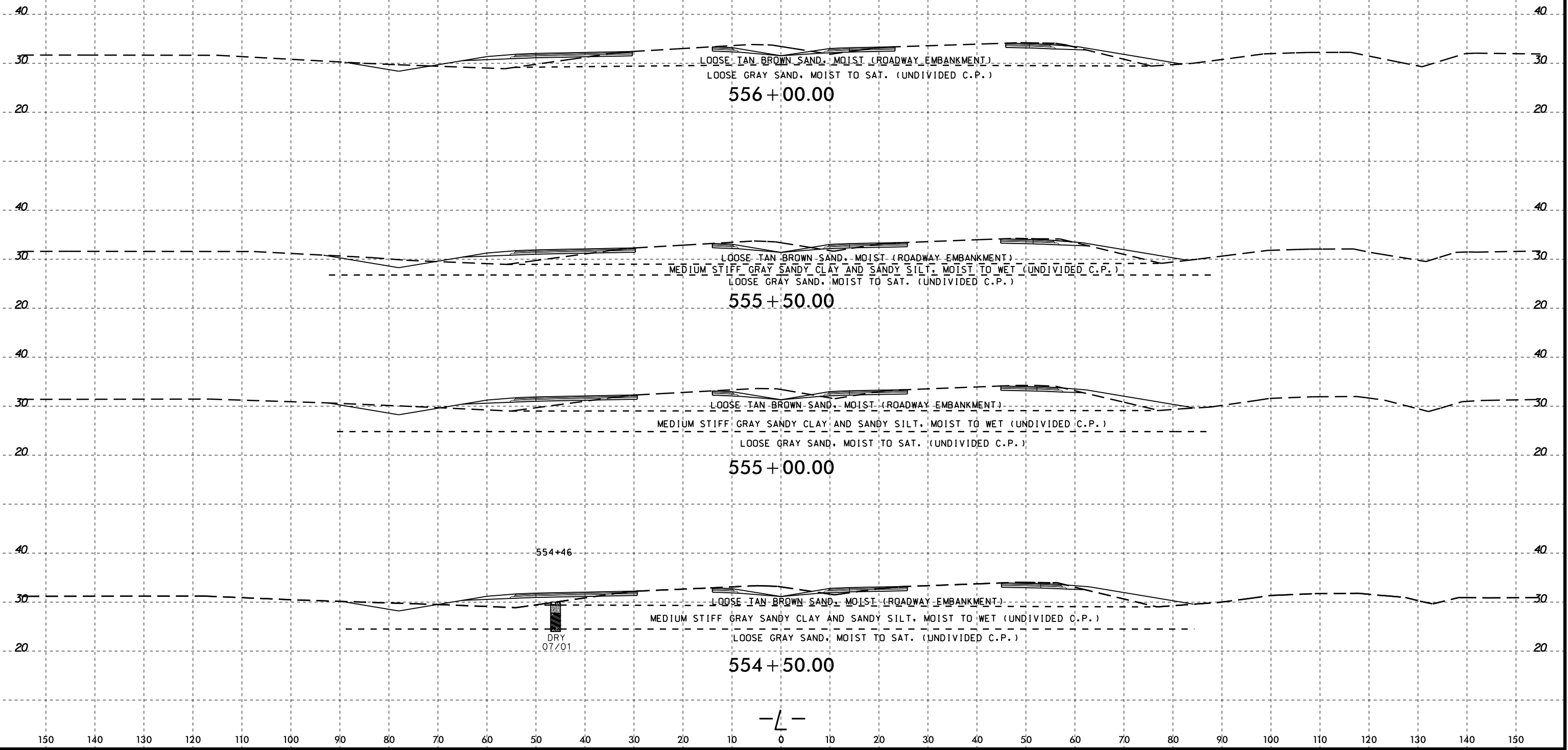
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8/23/99



PROJ. REFERENCE NO.	SHEET NO.
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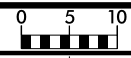
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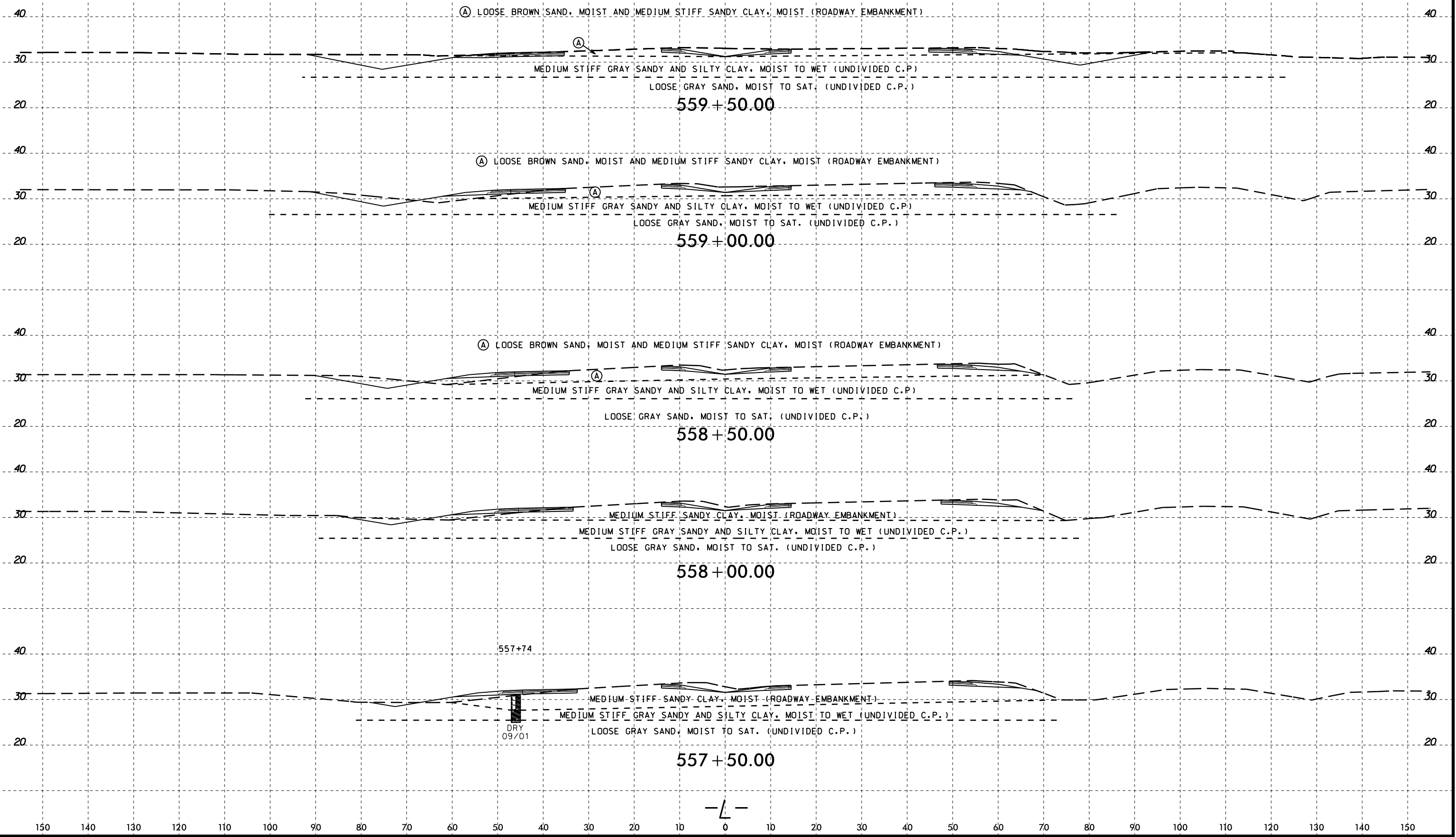
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 Atty: GEG77330  
 G. Turner

-L-

8/23/99



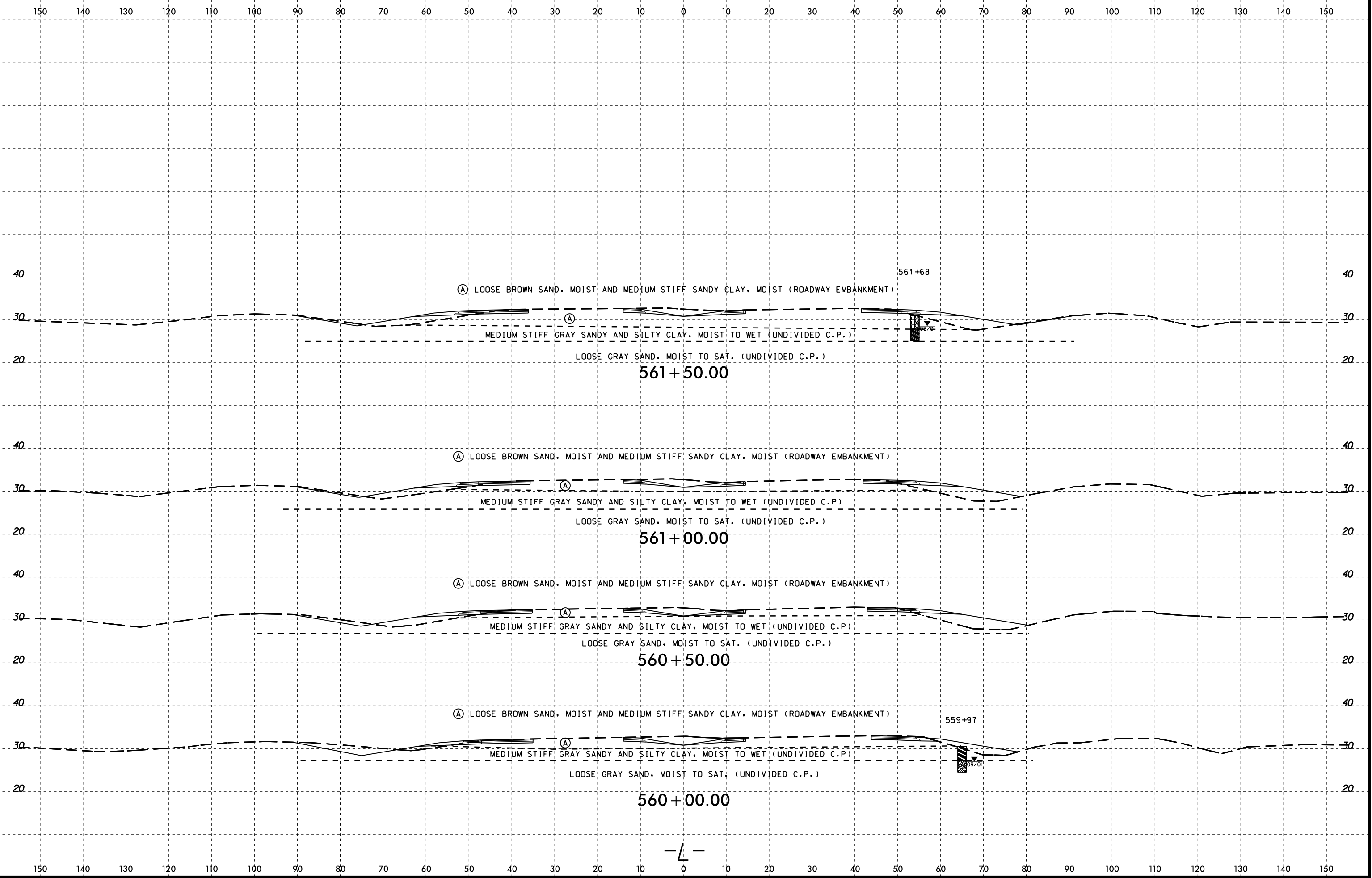
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At: 06/27/2013  
By: G. Turner

-L-

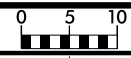
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 G. Turner

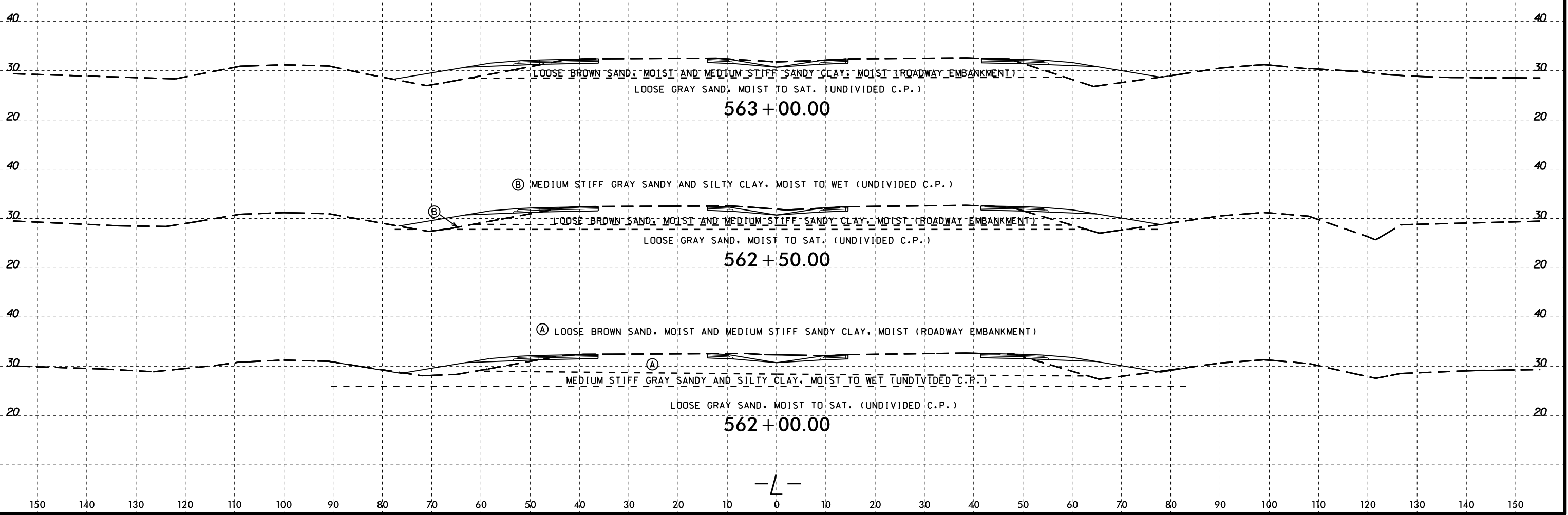
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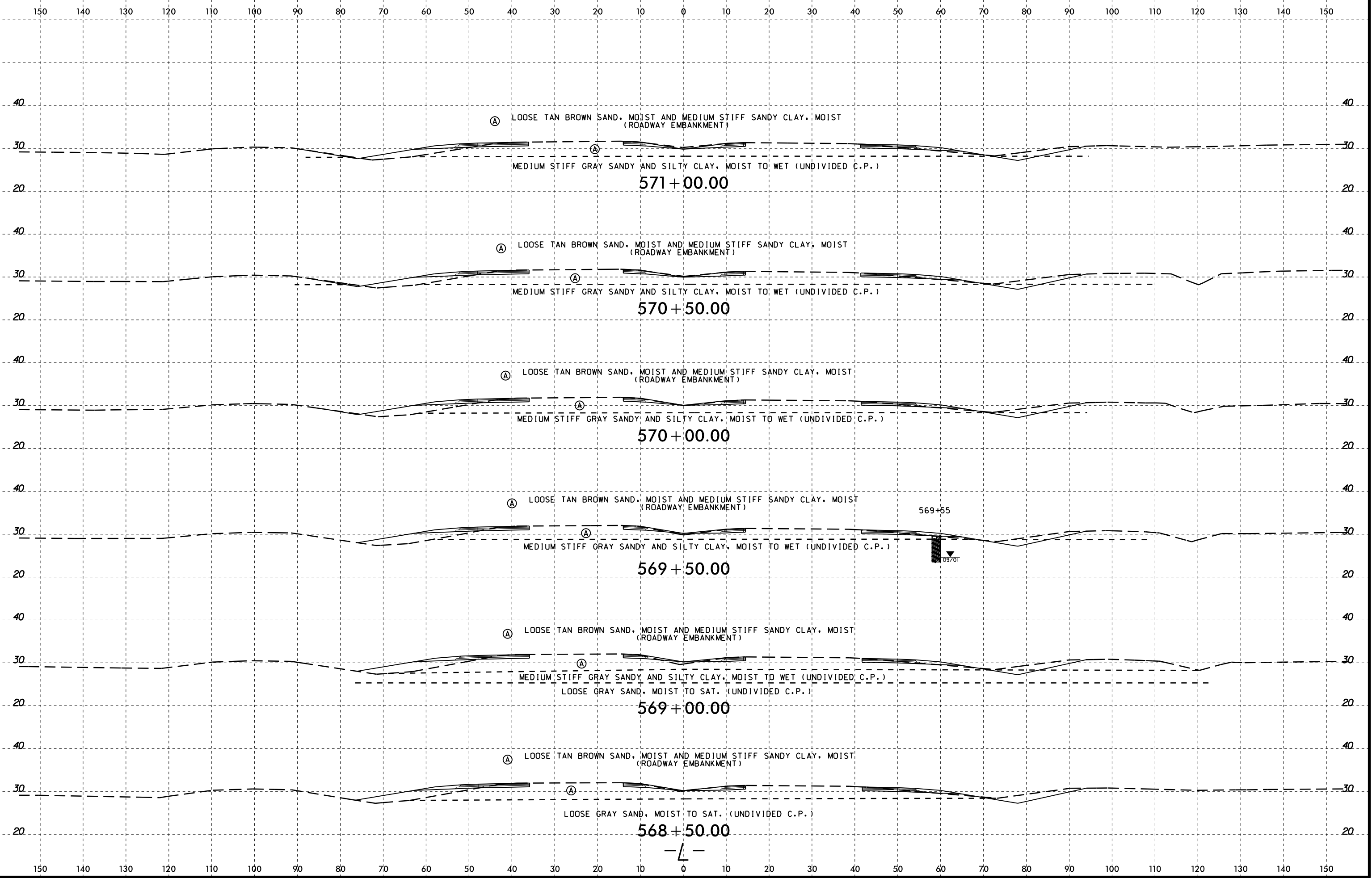
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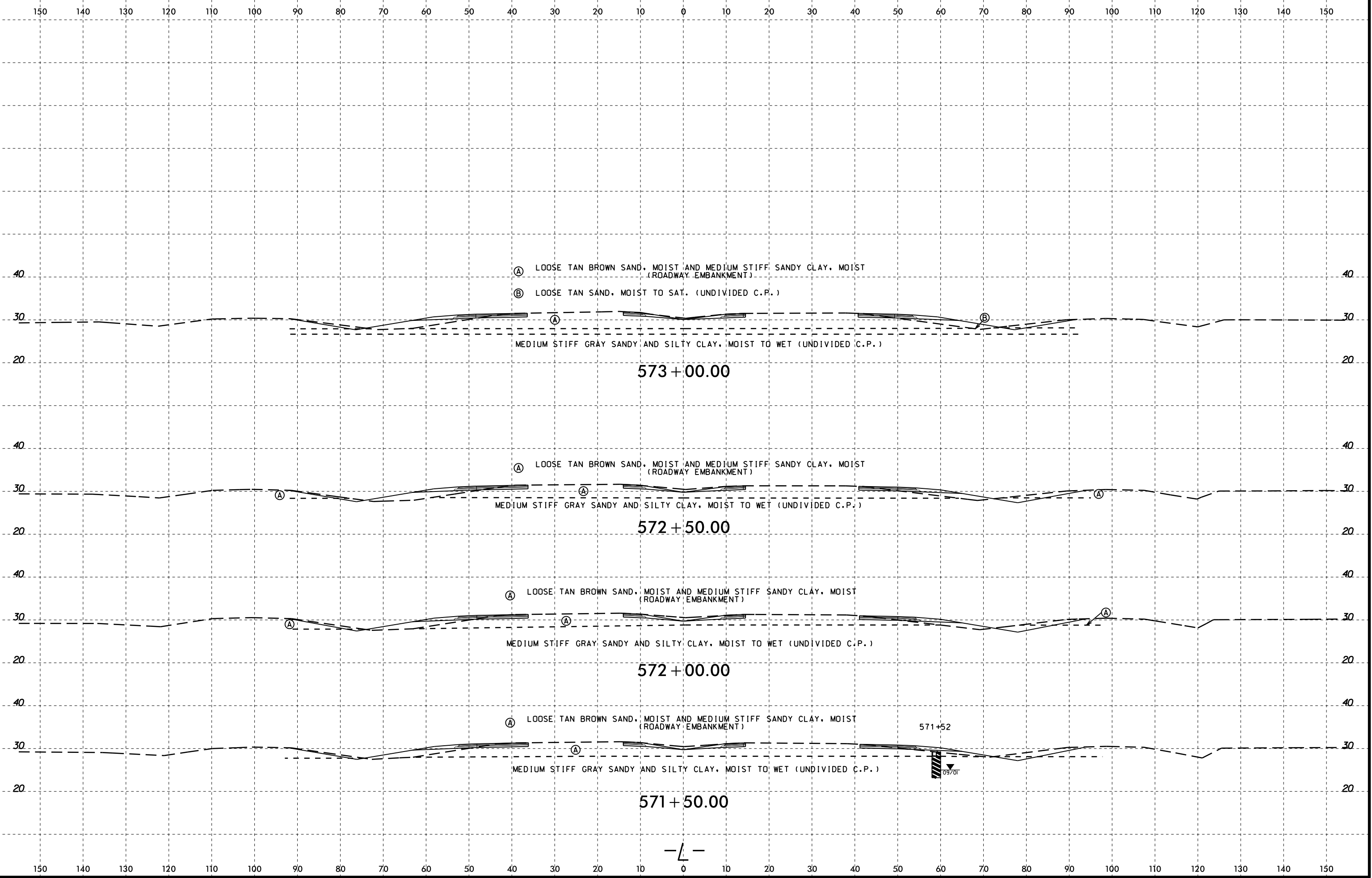
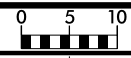
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 G. Turner

8/23/99



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 G. Turner

8/23/99

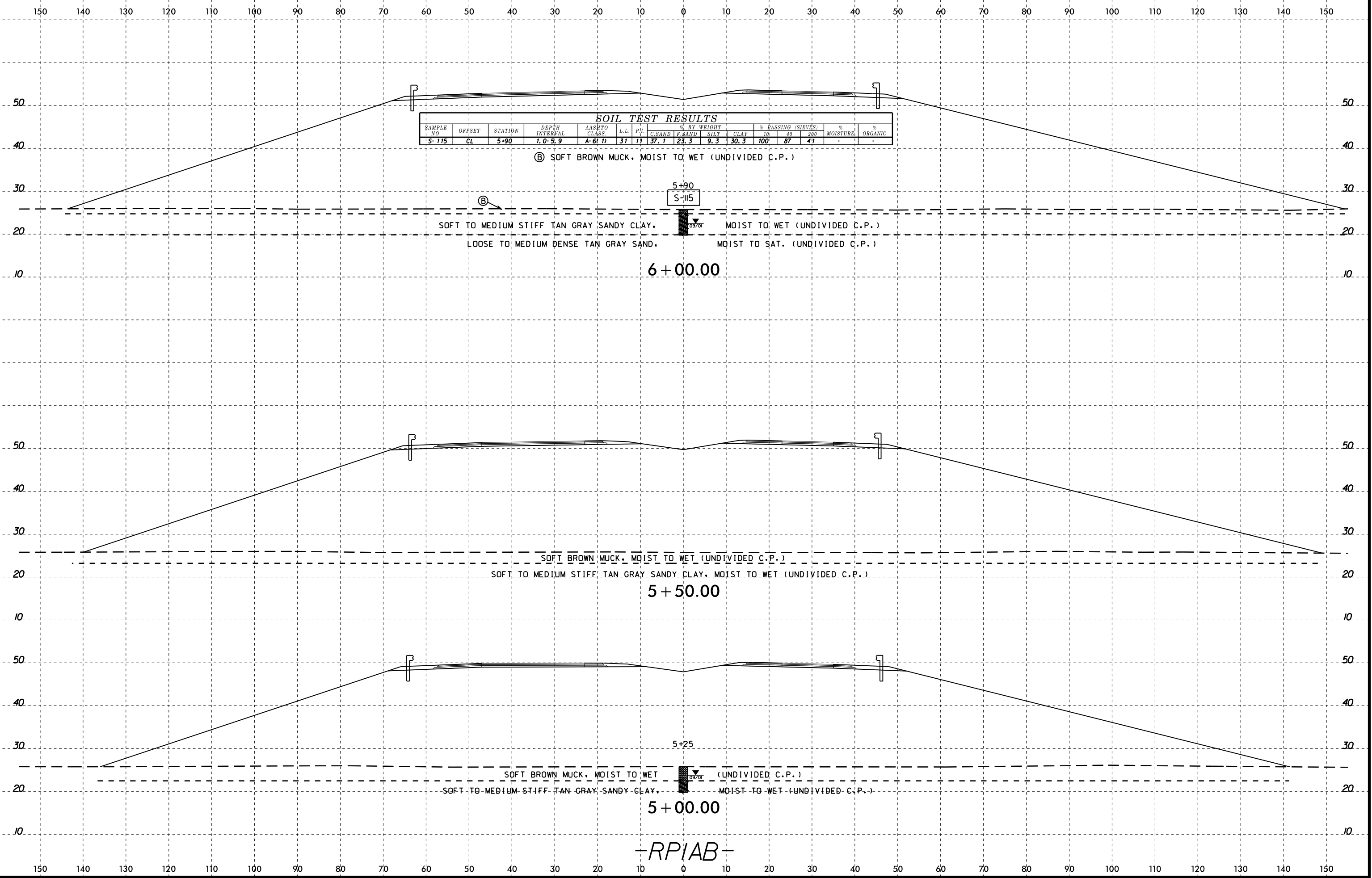


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 Atty: G. Turner

-L-



8/23/99



**SOIL TEST RESULTS**

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.V.	% BY WEIGHT			% PASSING (SIEVES)			% MOISTURE	% ORGANIC	
							C.SAND	F.SAND	SILT CLAY	10	40	200			
S-115	CL	5+90	1.0-5.9	A-6(1)	31	11	37.1	23.3	9.3	30.3	100	87	41	-	-

(B) SOFT BROWN MUCK, MOIST TO WET (UNDIVIDED C.P.)

SOFT TO MEDIUM STIFF TAN GRAY SANDY CLAY, MOIST TO WET (UNDIVIDED C.P.)  
 LOOSE TO MEDIUM DENSE TAN GRAY SAND, MOIST TO SAT. (UNDIVIDED C.P.)

6 + 00.00

SOFT BROWN MUCK, MOIST TO WET (UNDIVIDED C.P.)  
 SOFT TO MEDIUM STIFF TAN GRAY SANDY CLAY, MOIST TO WET (UNDIVIDED C.P.)

5 + 50.00

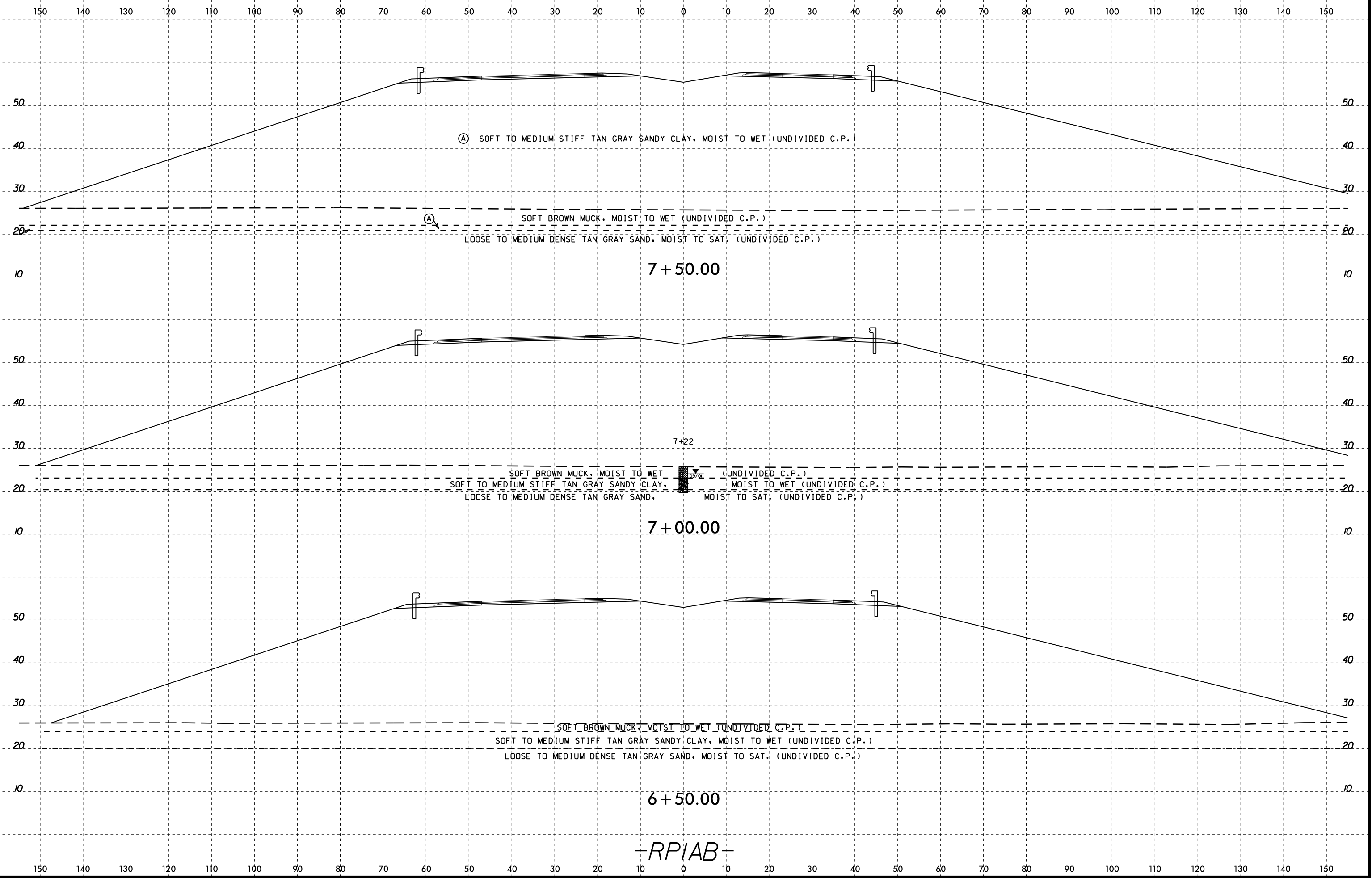
SOFT BROWN MUCK, MOIST TO WET (UNDIVIDED C.P.)  
 SOFT TO MEDIUM STIFF TAN GRAY SANDY CLAY, MOIST TO WET (UNDIVIDED C.P.)

5 + 00.00

-RPIAB-

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 G. Turner

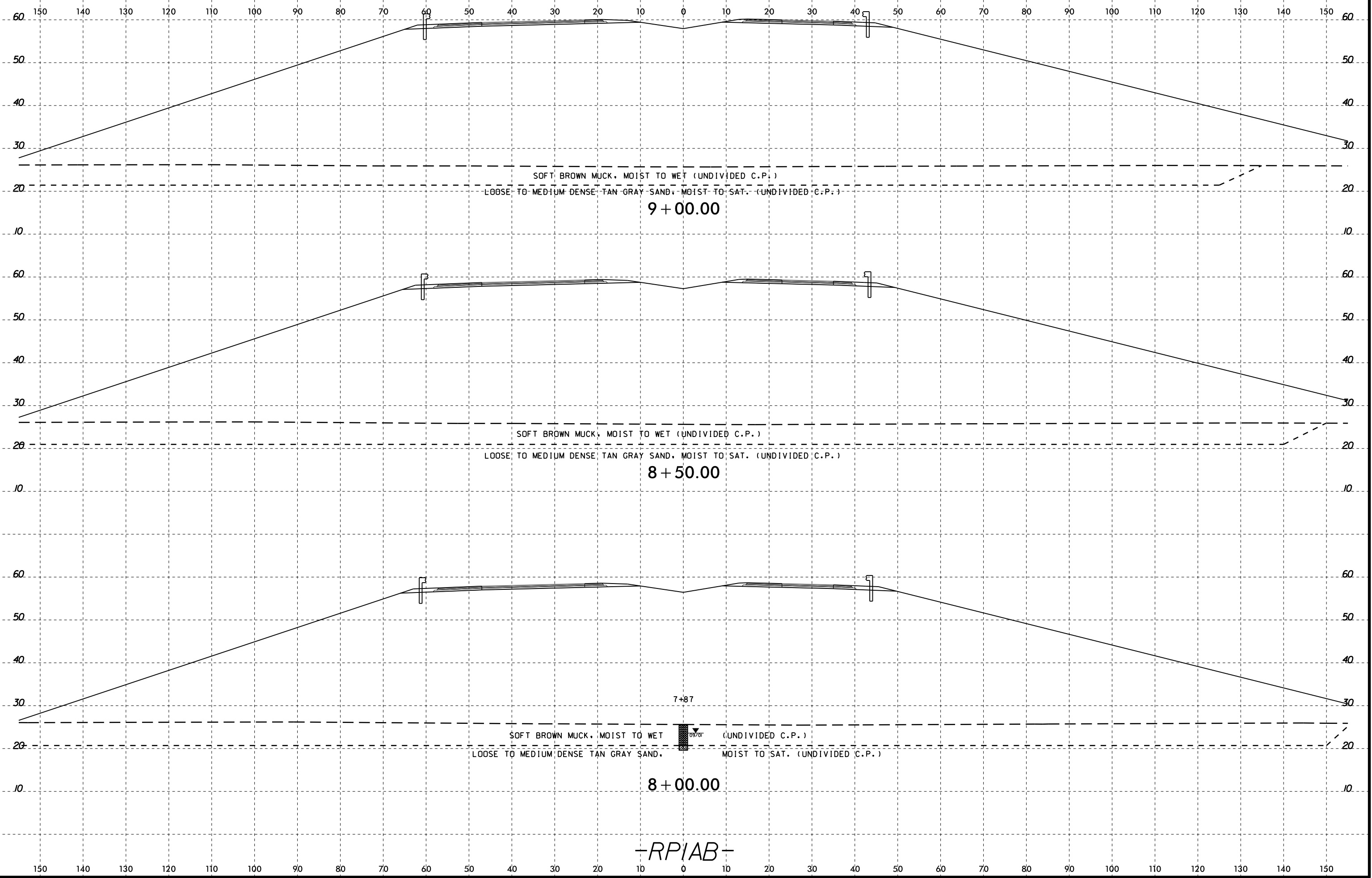
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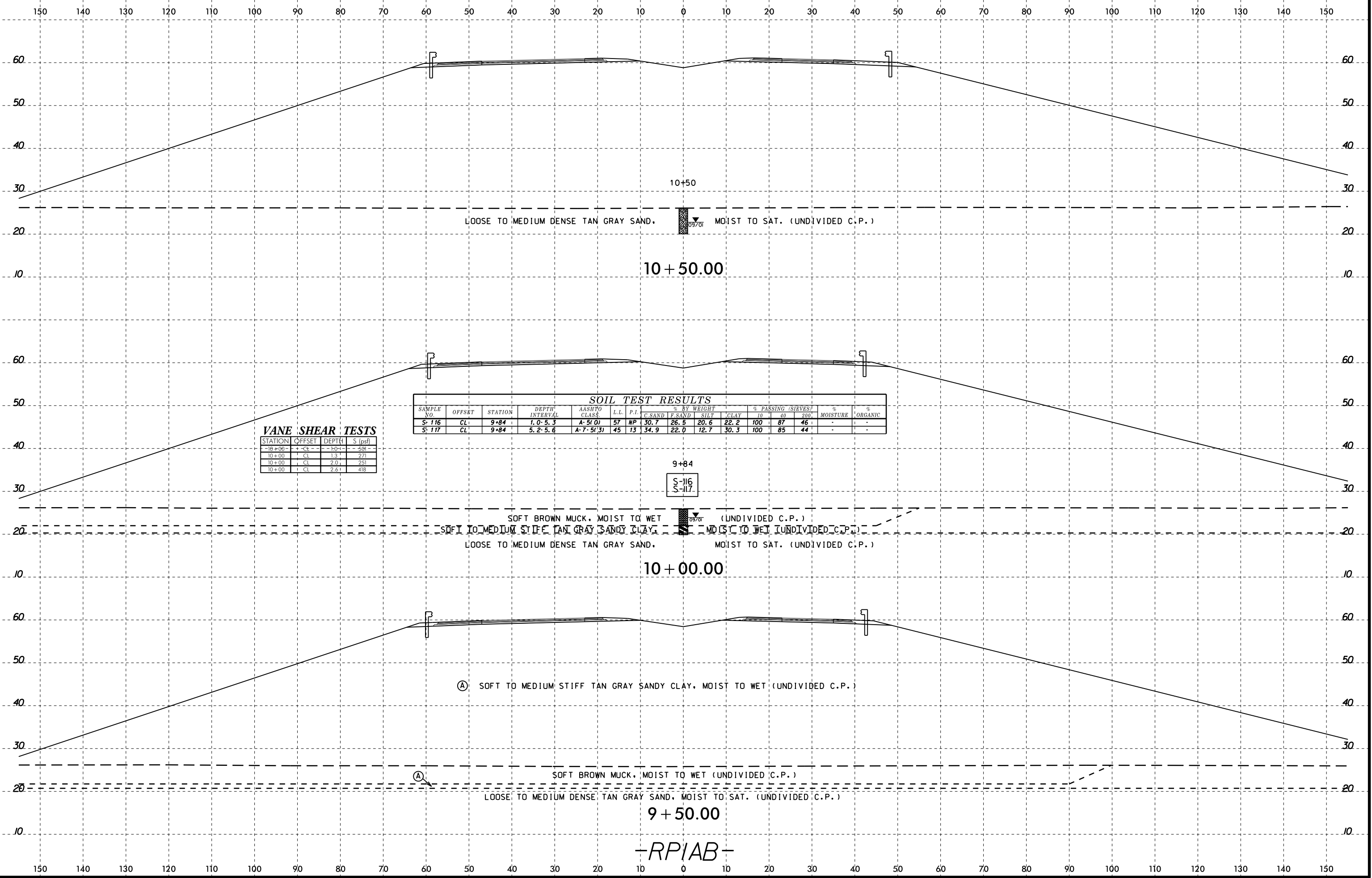
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Atty: GEG77330  
Co: Turner

8/23/99



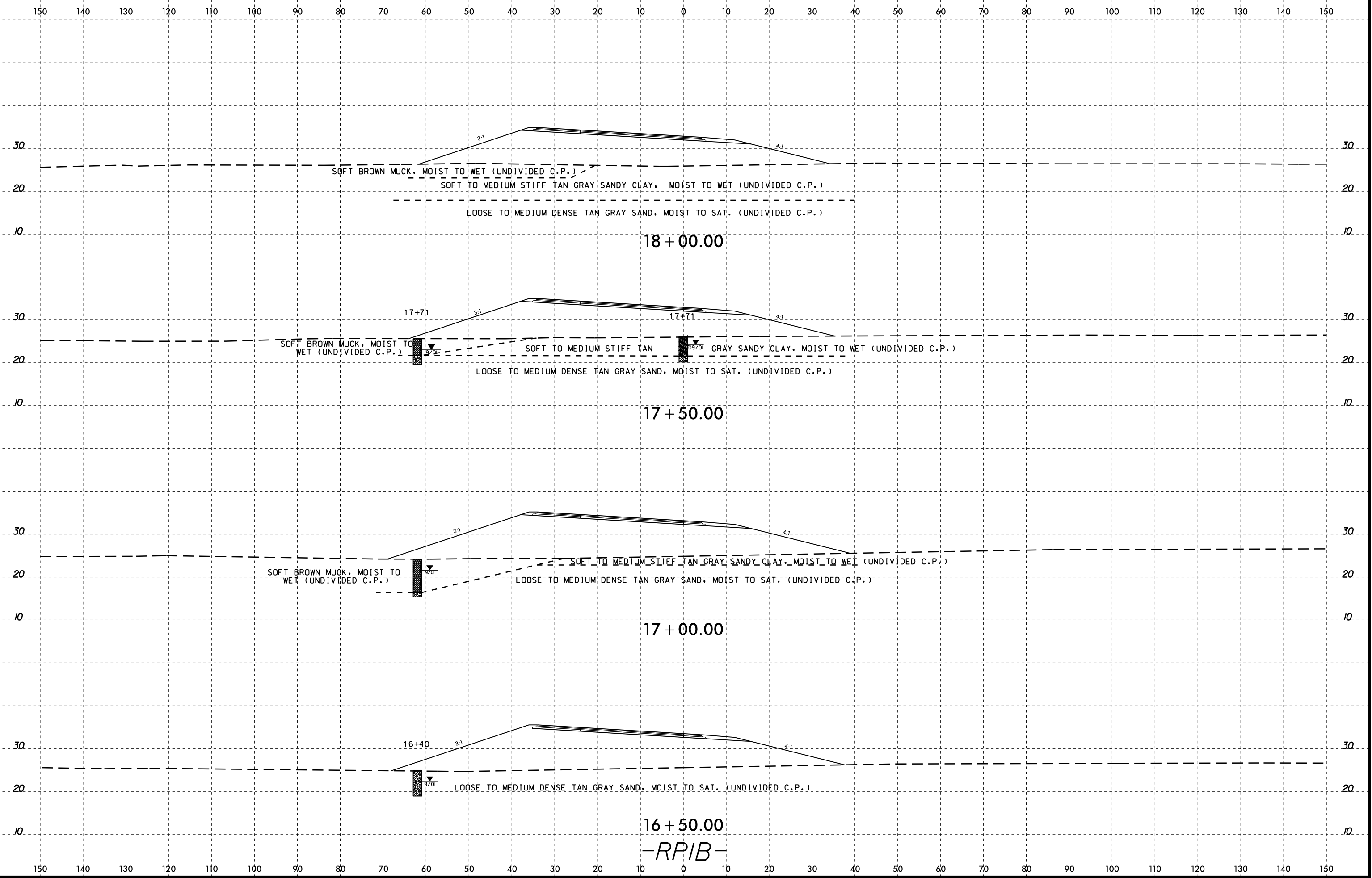
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 G. Turner



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 G. Turner

-RPIAB-

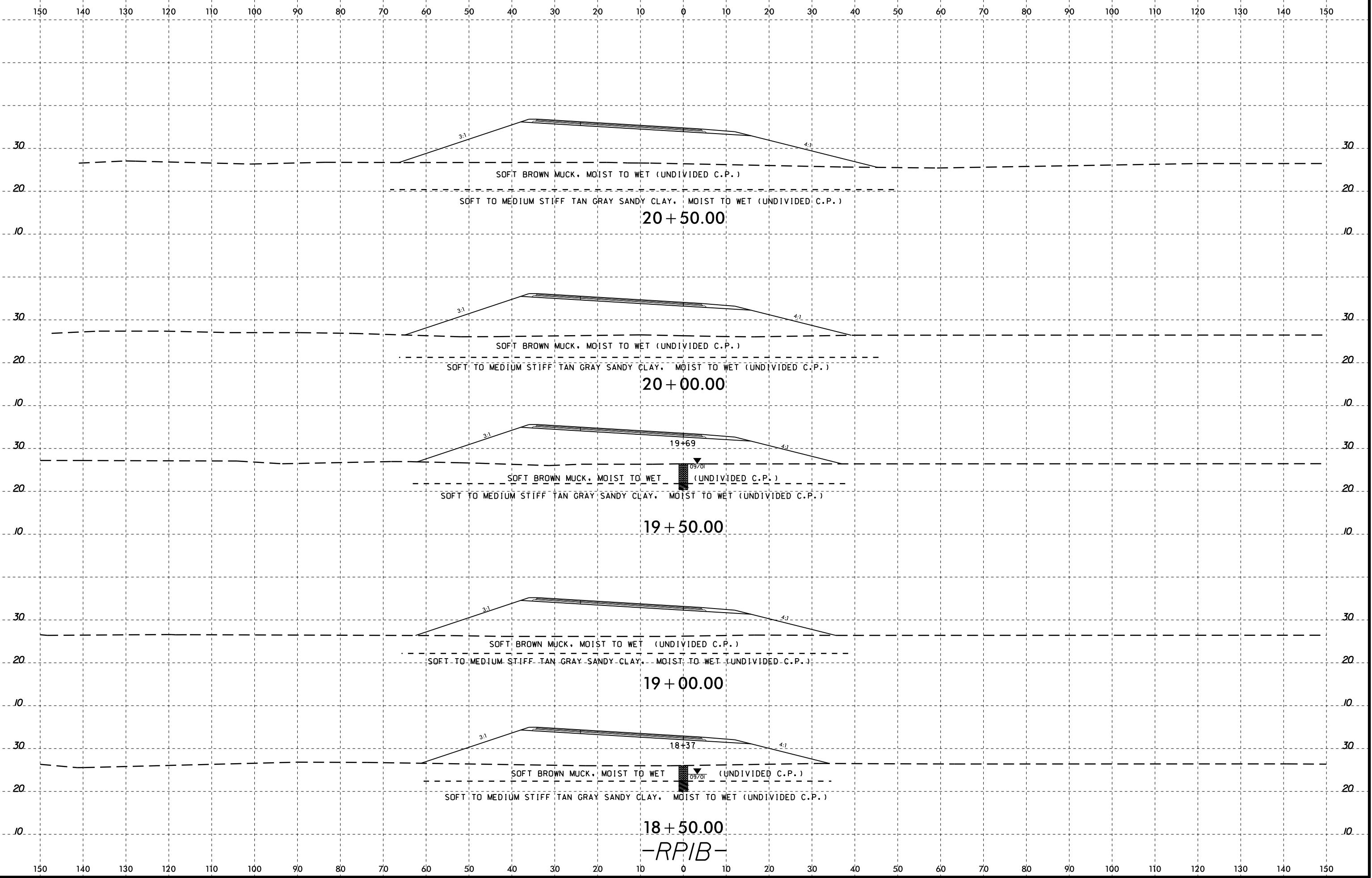
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 G. Turner

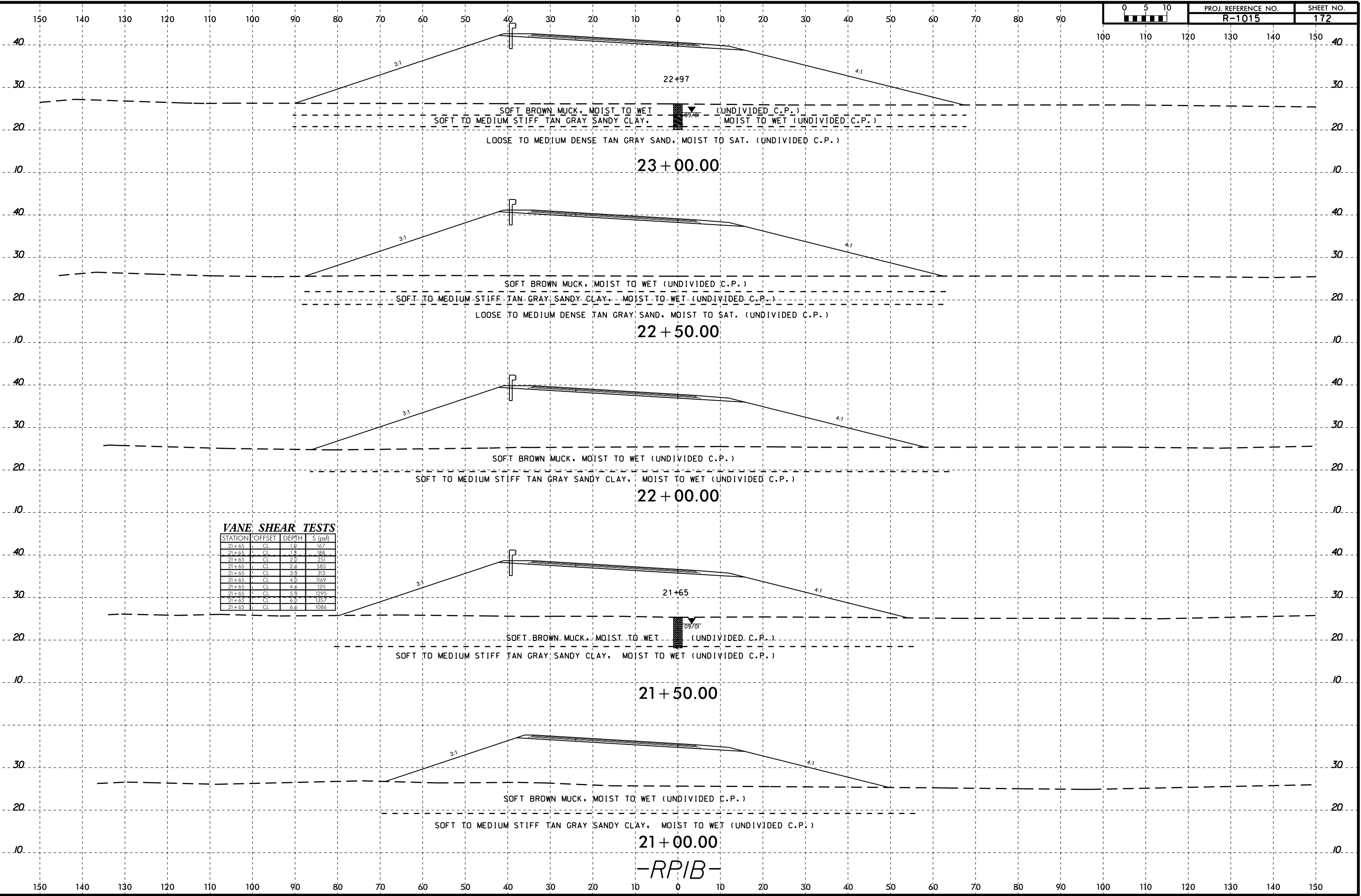
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8/23/99



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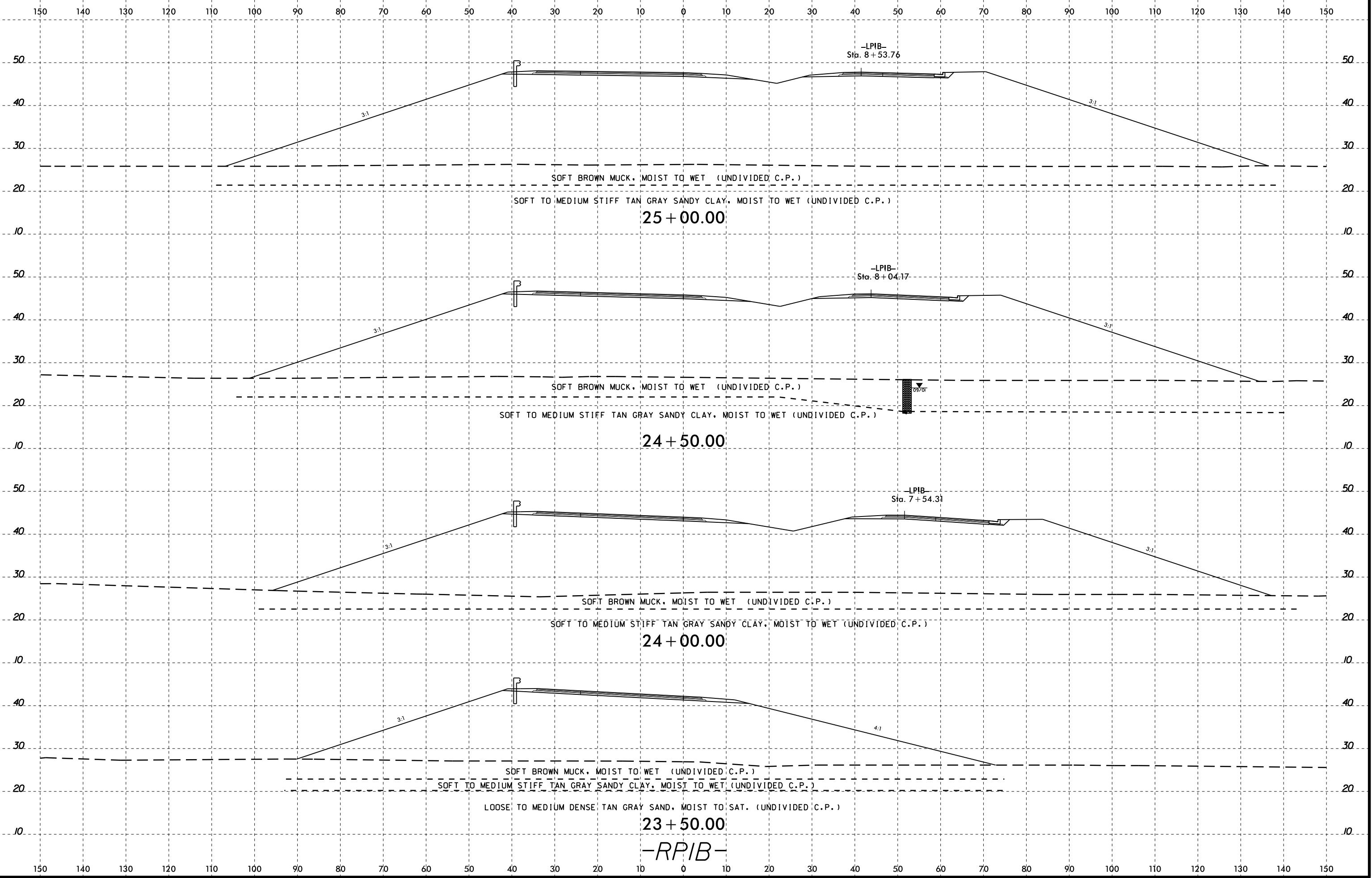
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**VANE SHEAR TESTS**

STATION	OFFSET	DEPTH	S (psf)
21+65	CL	1.0	167
21+65	CL	1.3	188
21+65	CL	2.0	251
21+65	CL	2.6	585
21+65	CL	3.8	313
21+65	CL	4.0	1169
21+65	CL	4.6	1211
21+65	CL	5.8	1225
21+65	CL	6.0	1357
21+65	CL	6.6	1086

-RP1B-

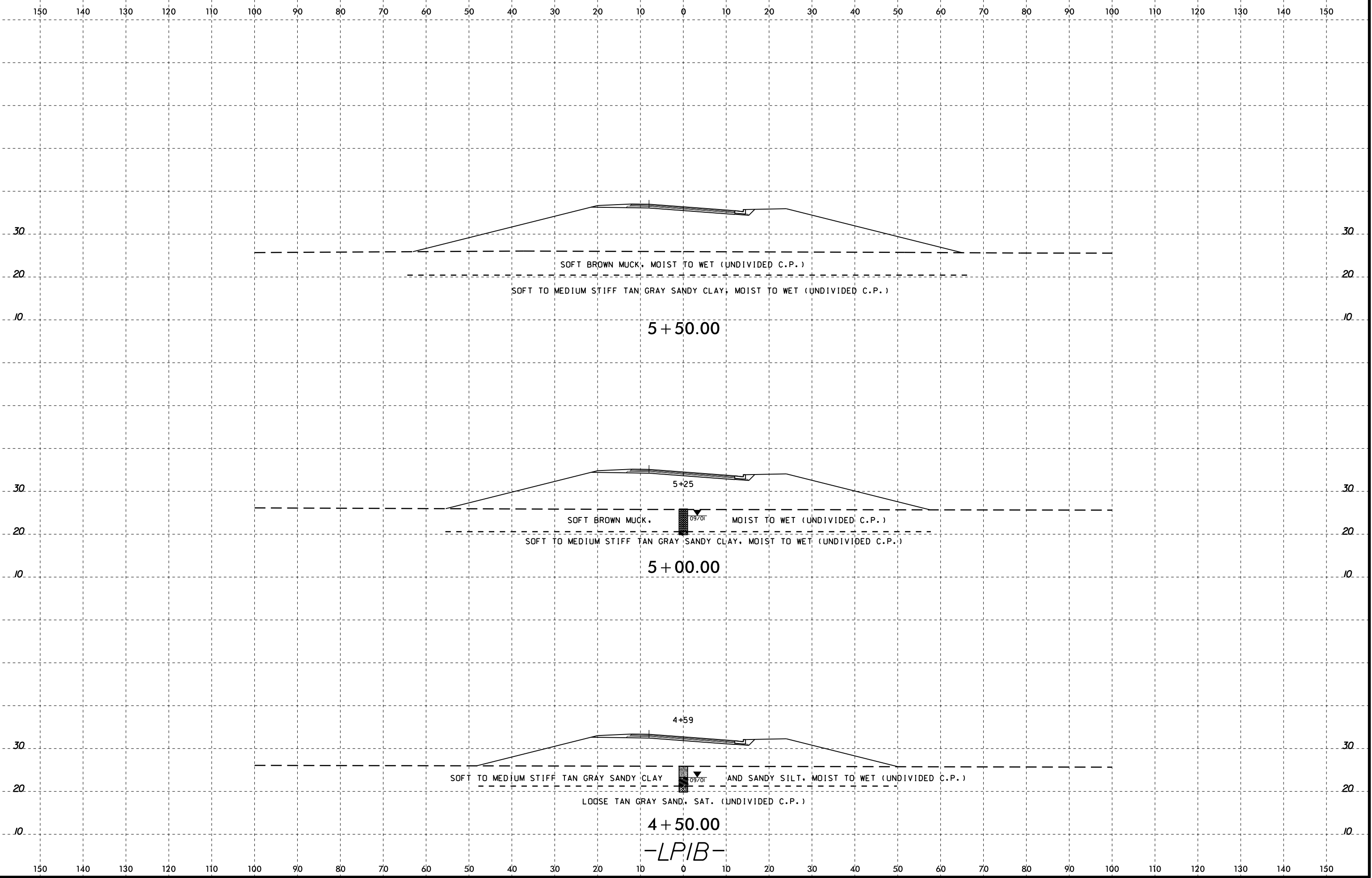


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 G. Turner

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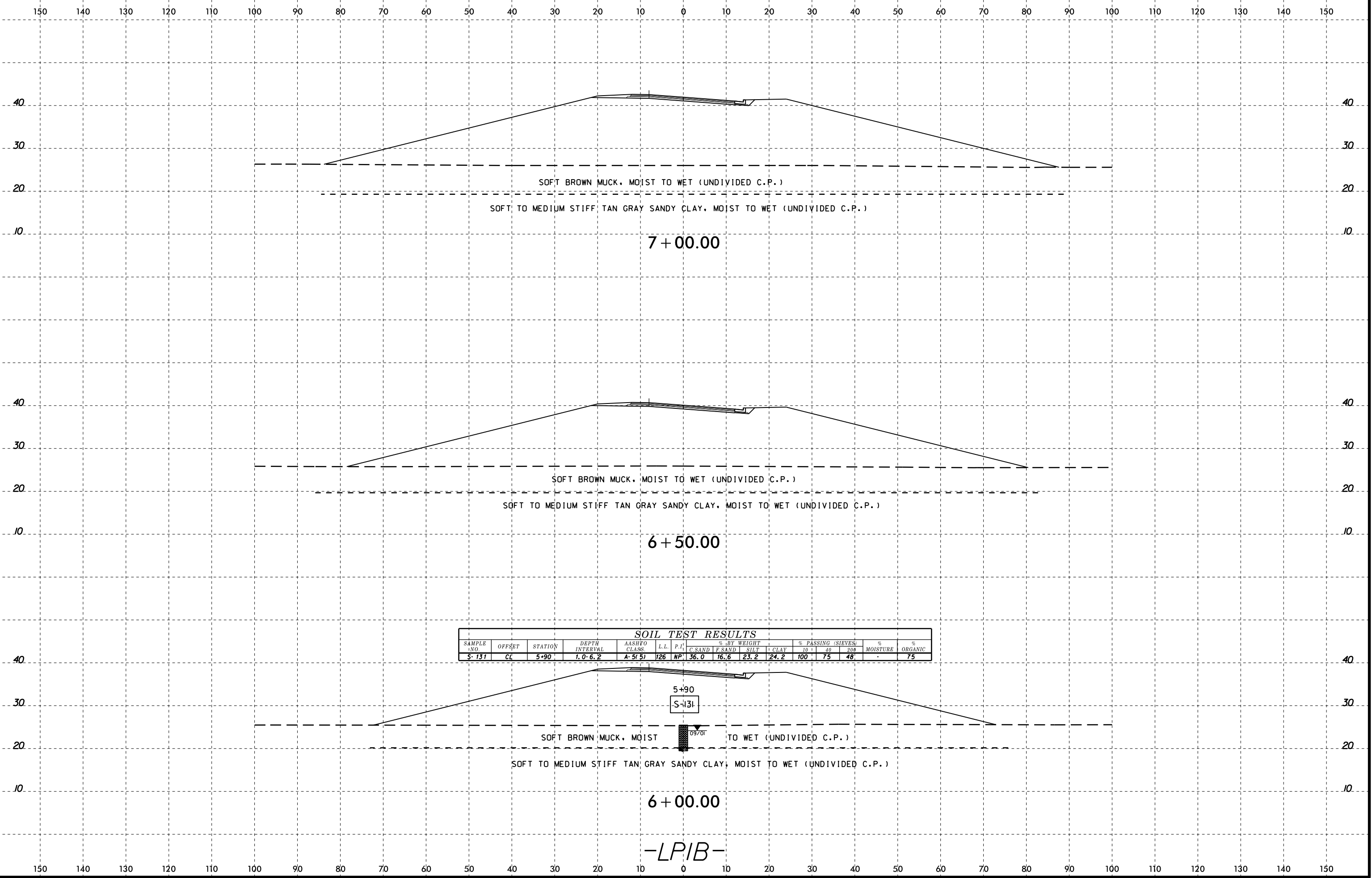


8/23/99



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At: GEG77330  
Co: Turner

-LP1B-



7 + 00.00

6 + 50.00

6 + 00.00

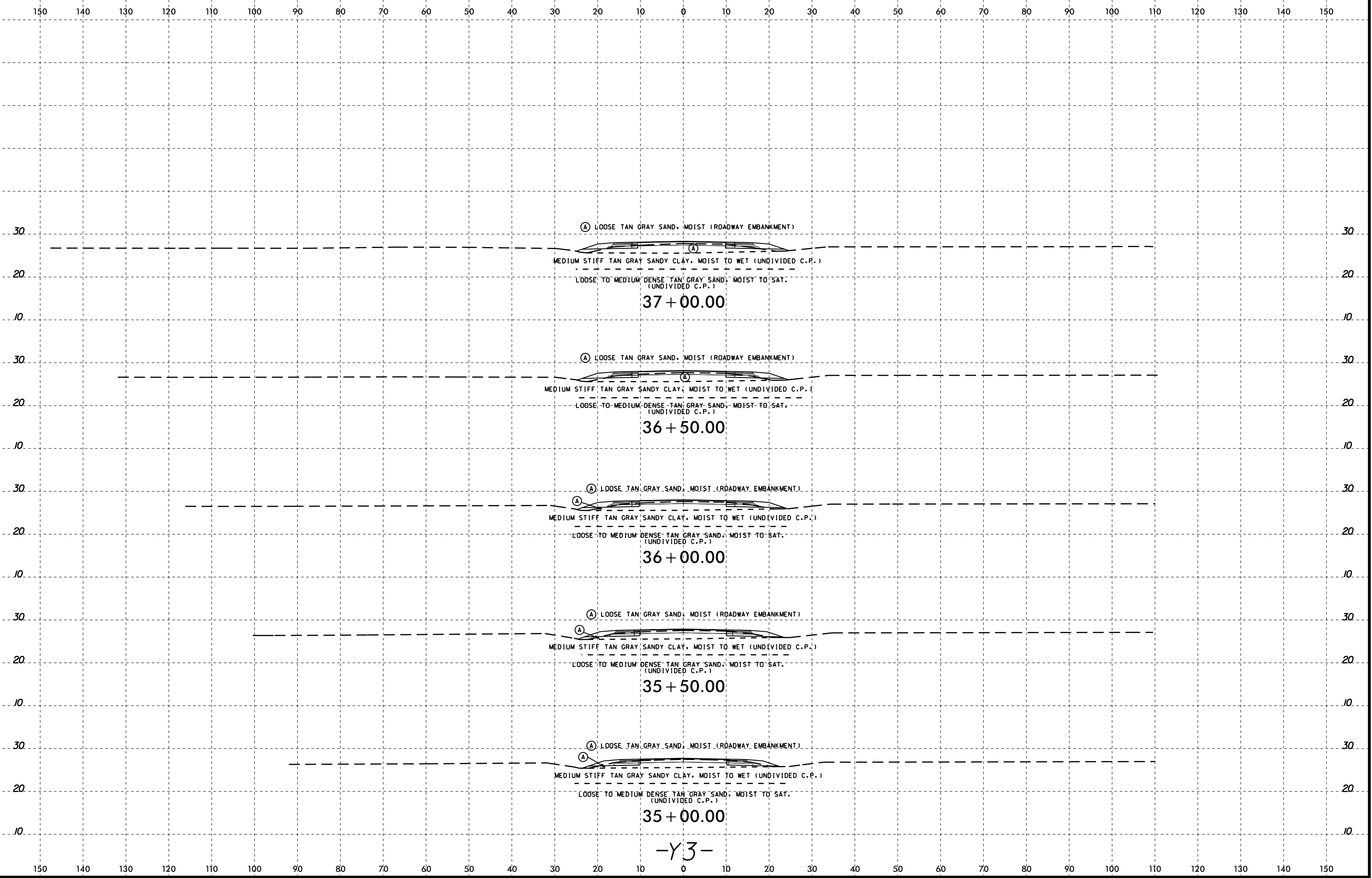
SOIL TEST RESULTS															
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							C. SAND	F. SAND	SILT	CLAY	10	40			
S-131	CL	5+90	1.0-6.2	A-5(B)	126	NP	36.0	16.6	23.2	24.2	100	75	48	-	75

5+90  
S-131

09/01

-LP1B-

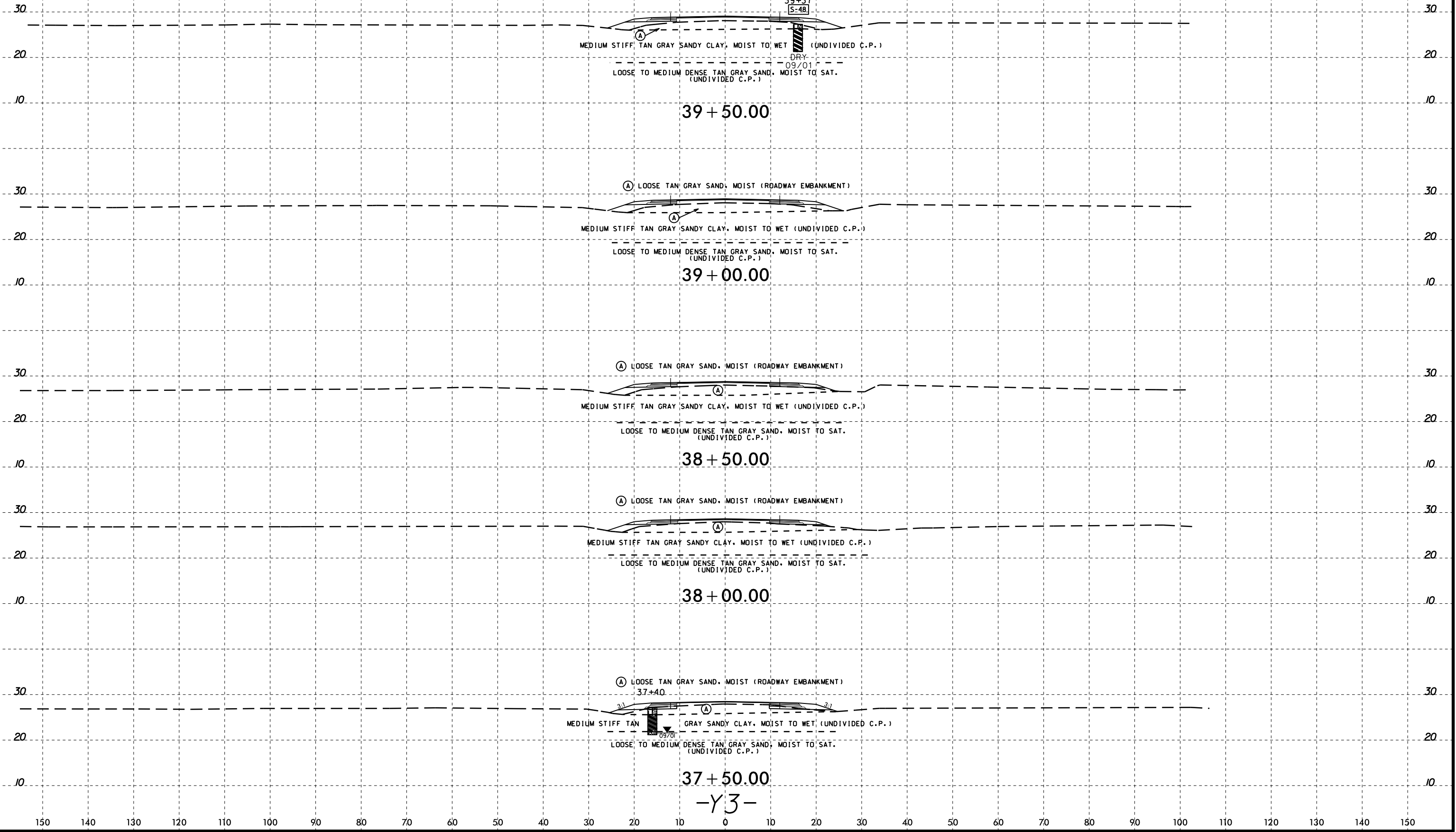
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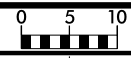
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Aly:GEG77330  
C. Turner

SOIL TEST RESULTS															
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	ASHFO CLASS	L.L.	P.L.	% BY WEIGHT				% PASSING (SIEVES)		% MOISTURE	% ORGANIC	
							C. SAND	F. SAND	SILT	CLAY	10	20			
5-48	16 FT	39+37	1.0-5.9	A-7-6(7)	41	24	6.9	48.9	5.9	38.4	100	97	46	21.3	-

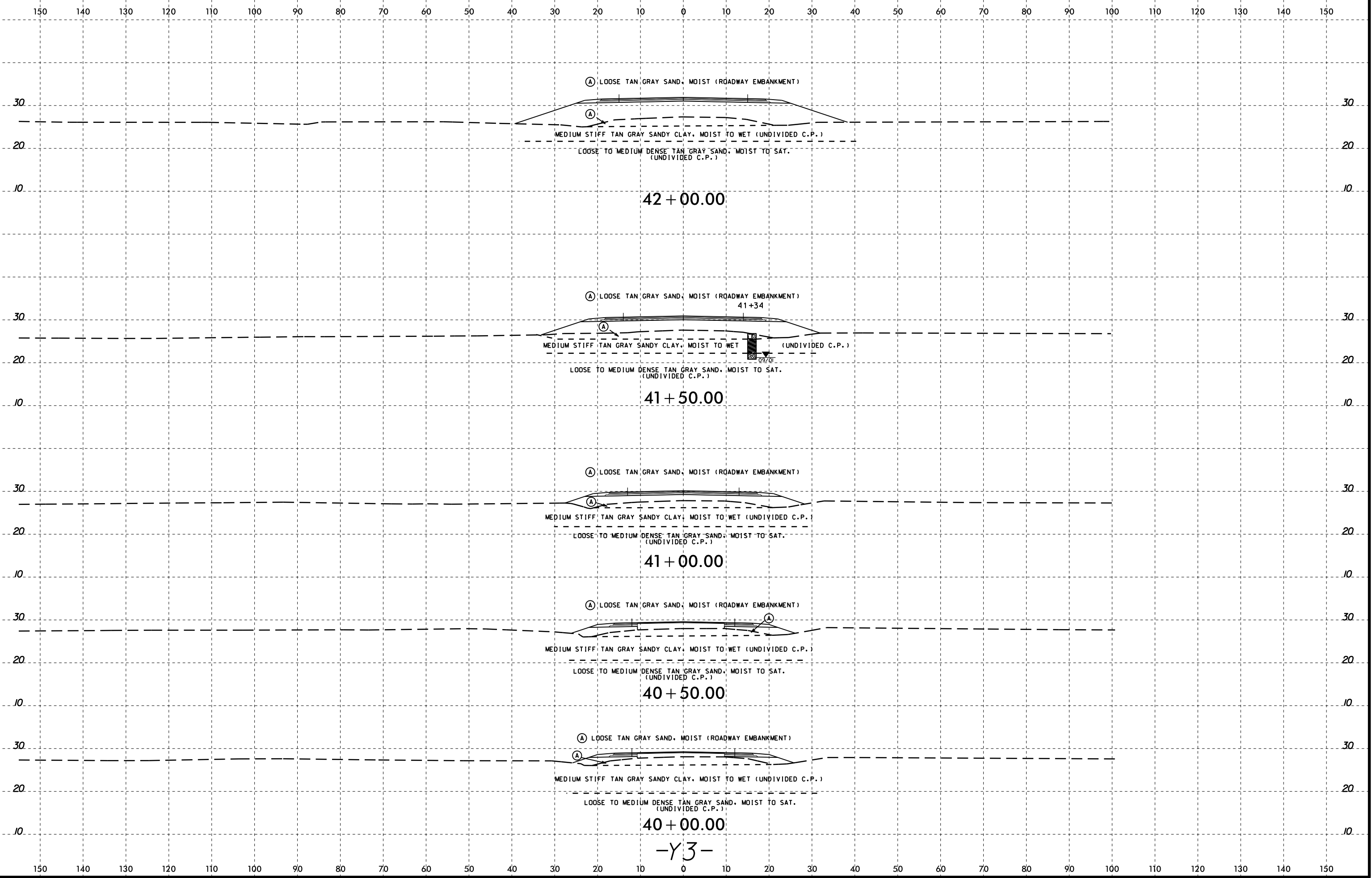


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 Atty: G. Turner

8/23/99

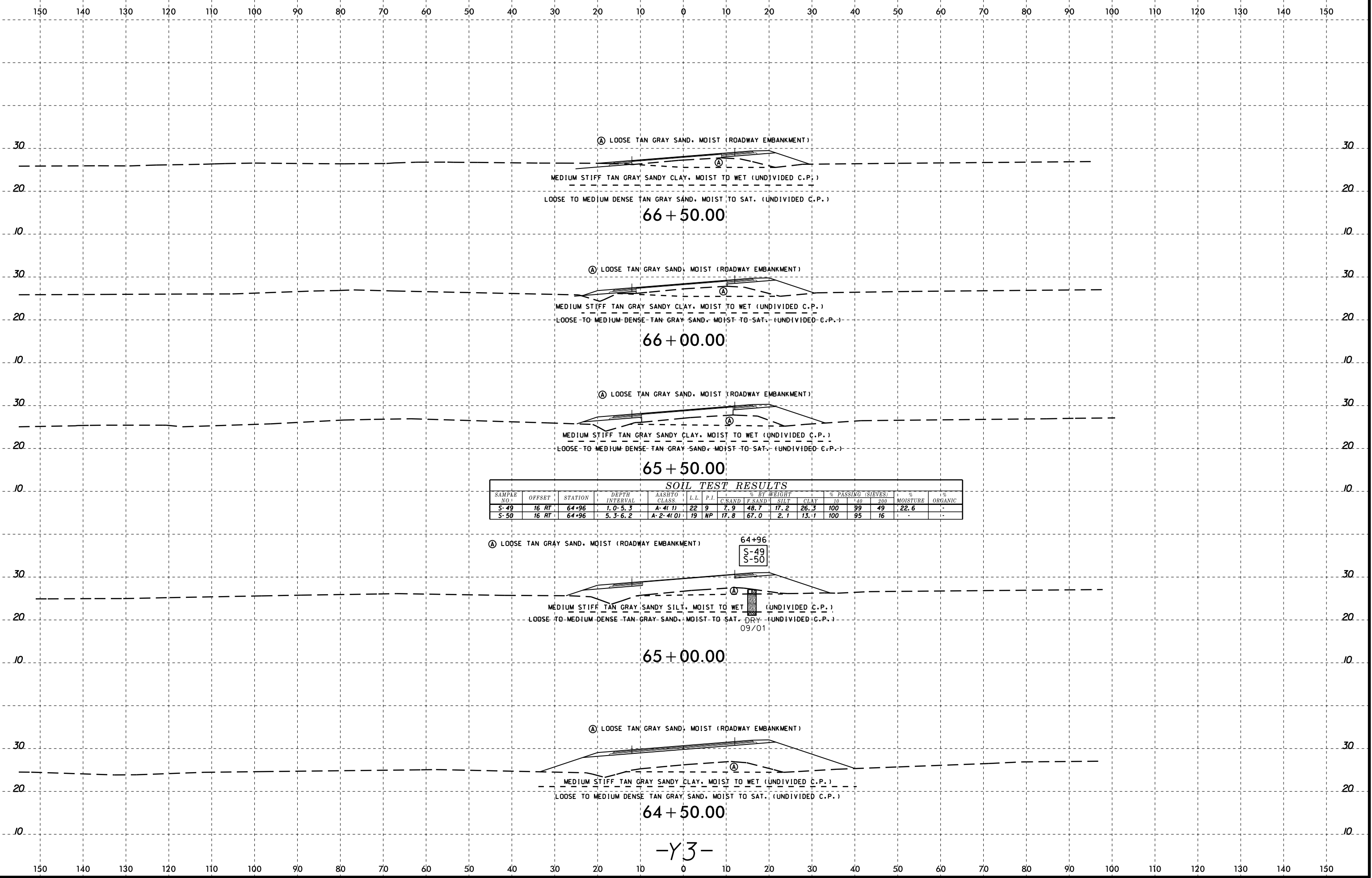


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R-1015	178



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8/23/99



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At: 06/27/2013  
By: Turner

-Y3-

① LOOSE TAN GRAY SAND, MOIST (ROADWAY EMBANKMENT)

MEDIUM STIFF TAN GRAY SANDY CLAY, MOIST TO WET (UNDIVIDED C.P.)

LOOSE TO MEDIUM DENSE TAN GRAY SAND, MOIST TO SAT. (UNDIVIDED C.P.)

69 + 50.00

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-51	15 RT	68+89	1.0-3.3	A-2-4(0)	18	4	14.1	53.1	14.5	18.2	100	97	34	-	-
S-52	15 RT	68+89	3.3-5.9	A-7-6(1)	47	28	6.5	41.4	9.7	42.4	100	98	53	-	-

① LOOSE TAN GRAY SAND, MOIST (ROADWAY EMBANKMENT)

MEDIUM STIFF TAN GRAY SANDY CLAY, MOIST TO WET (UNDIVIDED C.P.)

LOOSE TO MEDIUM DENSE TAN GRAY SAND, MOIST TO SAT. (UNDIVIDED C.P.)

DRY 09/01

69 + 00.00

① LOOSE TAN GRAY SAND, MOIST (ROADWAY EMBANKMENT)

MEDIUM STIFF TAN GRAY SANDY CLAY, MOIST TO WET (UNDIVIDED C.P.)

LOOSE TO MEDIUM DENSE TAN GRAY SAND, MOIST TO SAT. (UNDIVIDED C.P.)

68 + 50.00

① LOOSE TAN GRAY SAND, MOIST (ROADWAY EMBANKMENT)

MEDIUM STIFF TAN GRAY SANDY CLAY, MOIST TO WET (UNDIVIDED C.P.)

LOOSE TO MEDIUM DENSE TAN GRAY SAND, MOIST TO SAT. (UNDIVIDED C.P.)

68 + 00.00

① LOOSE TAN GRAY SAND, MOIST (ROADWAY EMBANKMENT)

MEDIUM STIFF TAN GRAY SANDY CLAY, MOIST TO WET (UNDIVIDED C.P.)

LOOSE TO MEDIUM DENSE TAN GRAY SAND, MOIST TO SAT. (UNDIVIDED C.P.)

67 + 50.00

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MEDIUM STIFF TAN GRAY SANDY CLAY, MOIST TO WET (UNDIVIDED C.P.)

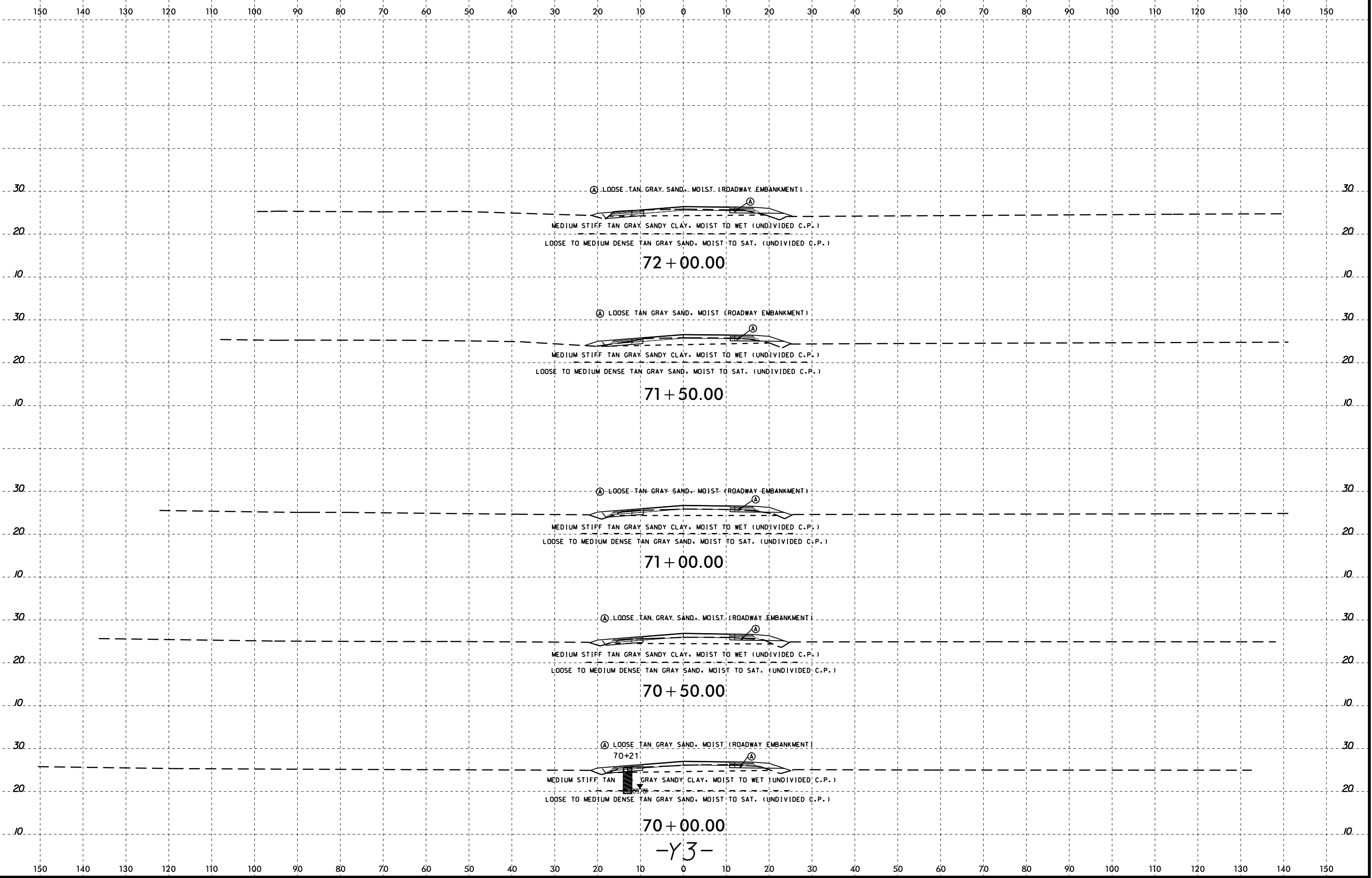
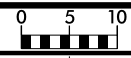
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DRY 09/01

67 + 00.00

-Y3-

8/23/99

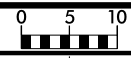


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 G. Turner

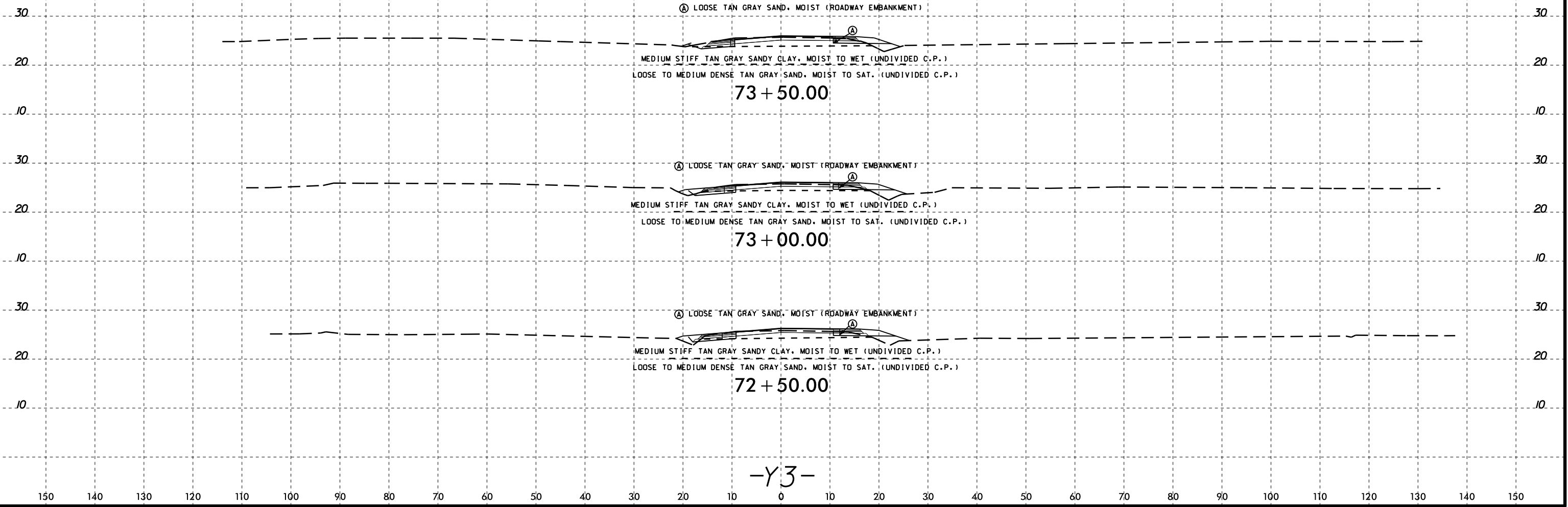


8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-1015	182

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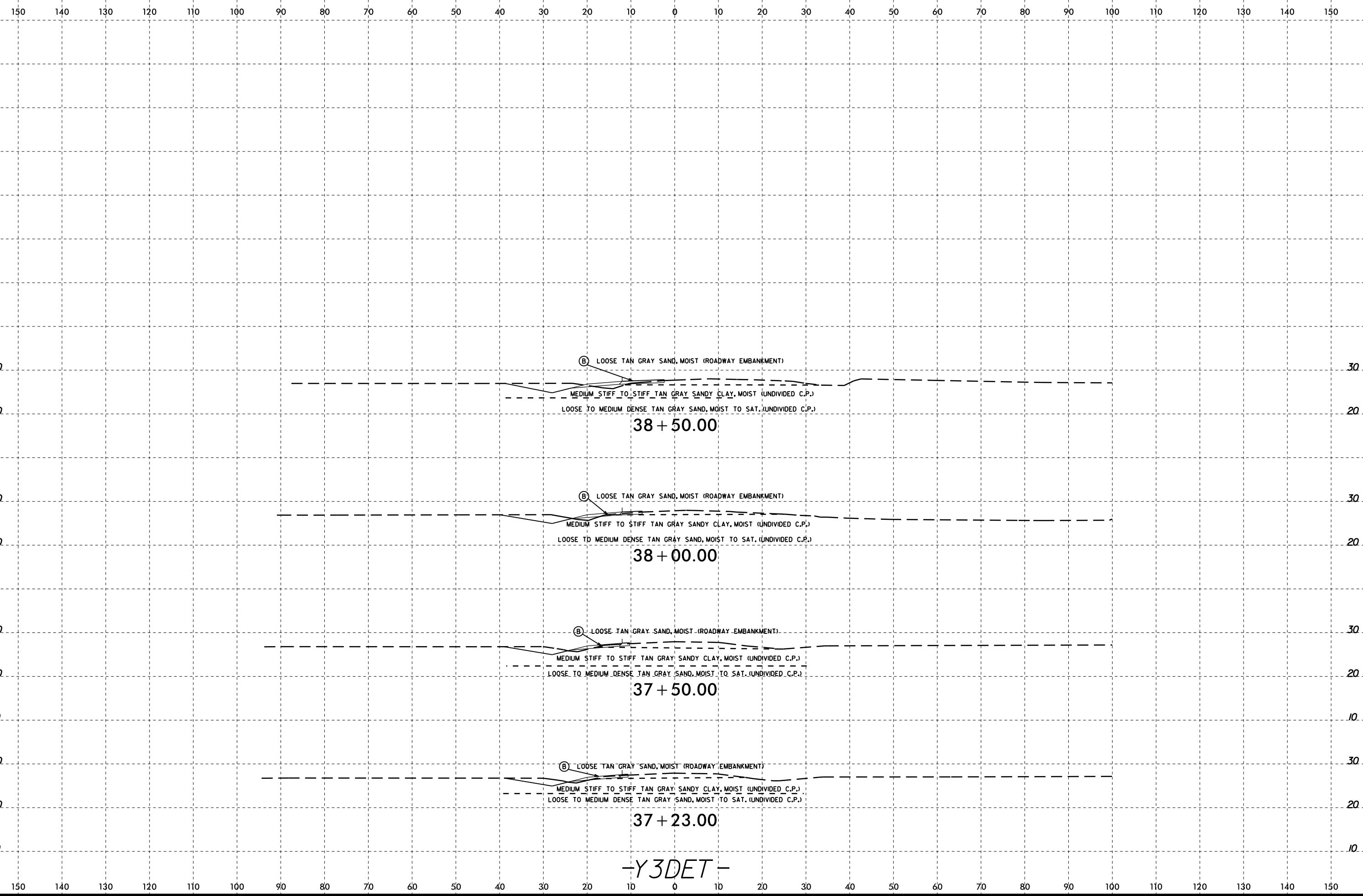
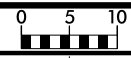


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 At: 06/27/2015  
 G. Turner

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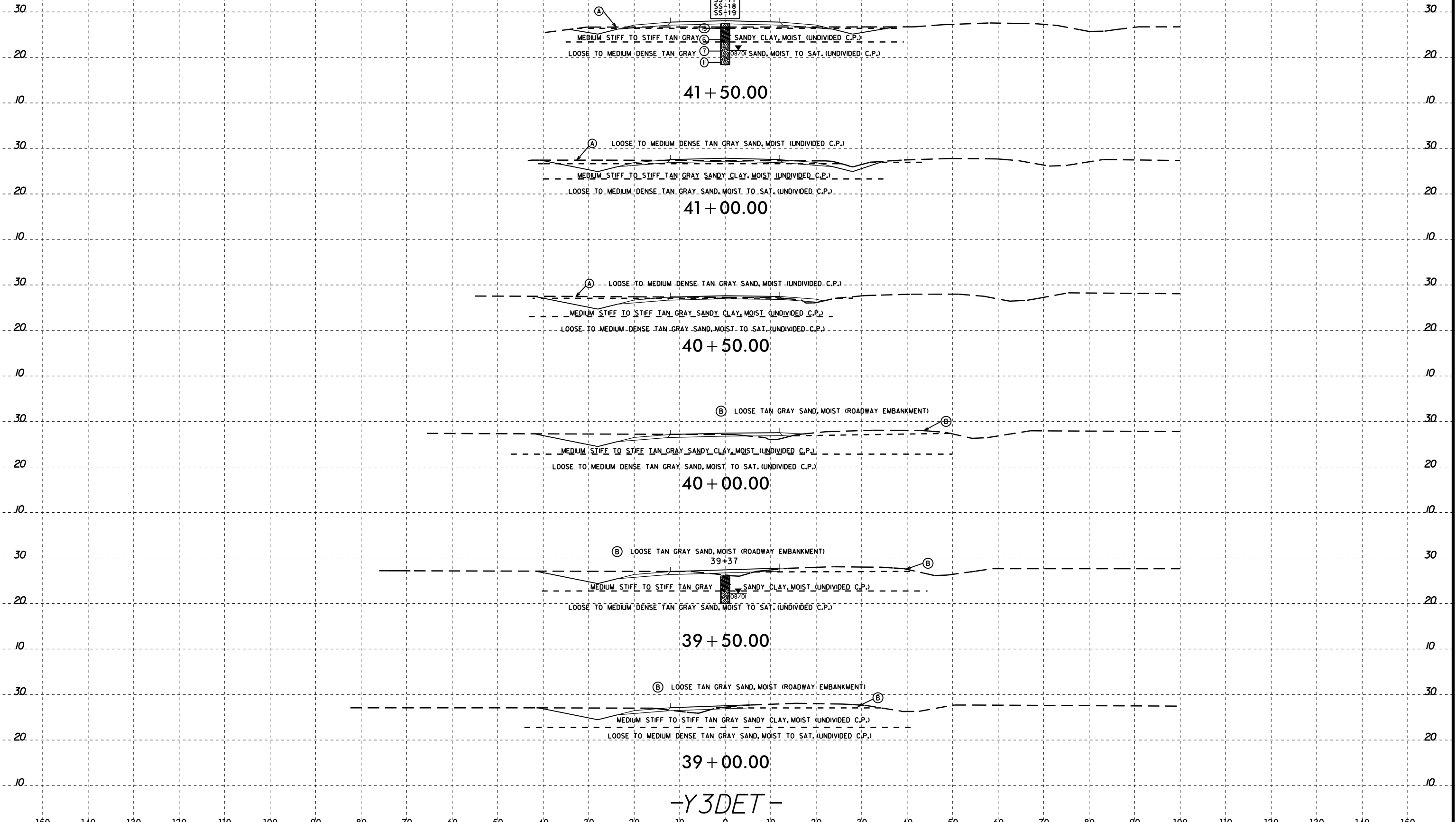
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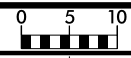
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SOIL TEST RESULTS														
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							C SAND	F SAND	SILT	#10	#40	#200		
SS-17	CL	41+34	1.0'-1.5'	A-6(1)	26	12	13.3	50.7	11.7	24.2	100	98	38	-
SS-18	CL	41+34	2.5'-3.0'	A-6(3)	33	18	12.5	48.6	8.6	30.3	100	98	41	-
SS-19	CL	41+34	5.5'-6.5'	A-2-4(0)	19	NP	13.3	76.3	2.3	8.1	100	93	11	-



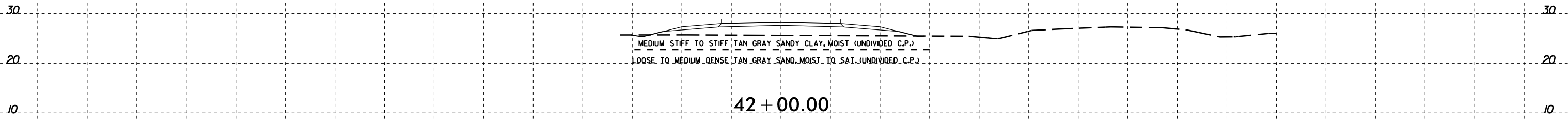
-Y3DET-

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-1015	185

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



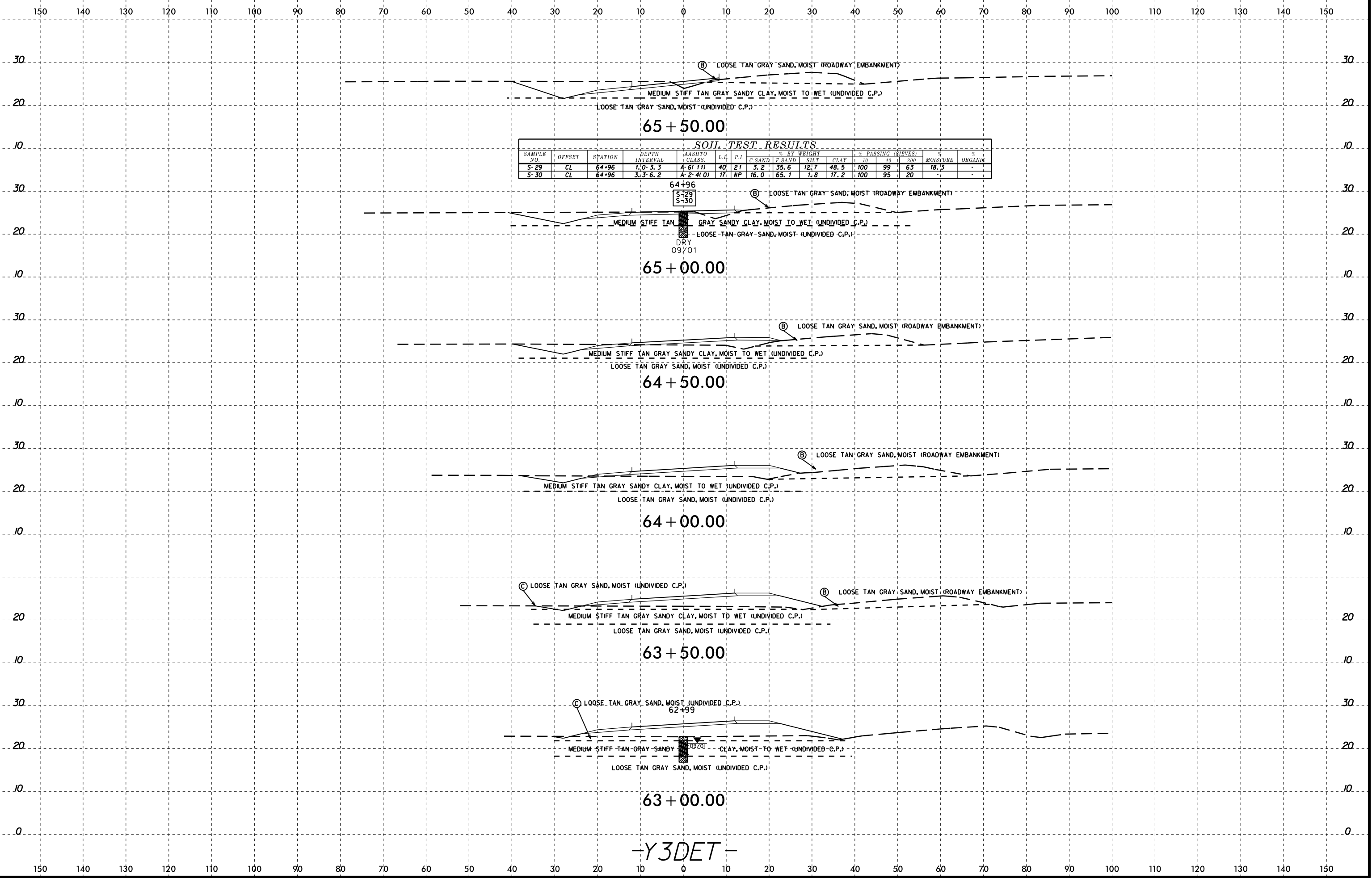
MEDIUM STIFF TO STIFF TAN GRAY SANDY CLAY, MOIST (UNDIVIDED C.P.)

LOOSE TO MEDIUM DENSE TAN GRAY SAND, MOIST TO SAT. (UNDIVIDED C.P.)

-Y3DET-

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

04-MAR-2015 11:41 | C:\Users\jg\Documents\Investigation\TIP\R1015\_GEO\_PDMY\_REV1\_2012\CADD\_GEO\TECH\sec\R1015\_GEO.rdy Y3DET\_xst\_3900.dgn  
 C:\Users\jg\Documents\Investigation\TIP\R1015\_GEO\_PDMY\_REV1\_2012\CADD\_GEO\TECH\sec\R1015\_GEO.rdy Y3DET\_xst\_3900.dgn  
 At: 06/27/2015  
 By: Turner



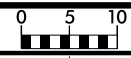
**SOIL TEST RESULTS**

SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS	L.L.	P.I.	% BY WEIGHT			% PASSING (SIEVES)			% MOISTURE	% ORGANIC	
							C. SAND	F. SAND	CLAY	10	40	200			
S-29	CL	64+96	1.0'-3.3'	A-6(1)	40	21	3.2	35.6	12.7	48.5	100	99	63	18.3	-
S-30	CL	64+96	3.3'-6.2'	A-2-4(0)	17	NP	16.0	65.1	1.8	17.2	100	95	20	-	-

04-MAR-2015 11:41:16 Investigator\TIP\R1015\_GEO\_PDMY\_REV1\_2012\CADD\_GEO\TECH\sec\R1015\_GEO\_rdy\_Y3DET\_xst\_6300.dgn  
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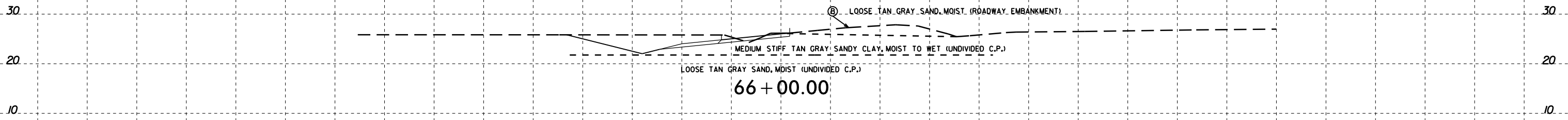
-Y3DET-

8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-1015	187

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



Ⓟ LOOSE TAN GRAY SAND, MOIST (ROADWAY EMBANKMENT)

MEDIUM STIFF TAN GRAY SANDY CLAY, MOIST TO WET (UNDIVIDED C.P.)

LOOSE TAN GRAY SAND, MOIST (UNDIVIDED C.P.)

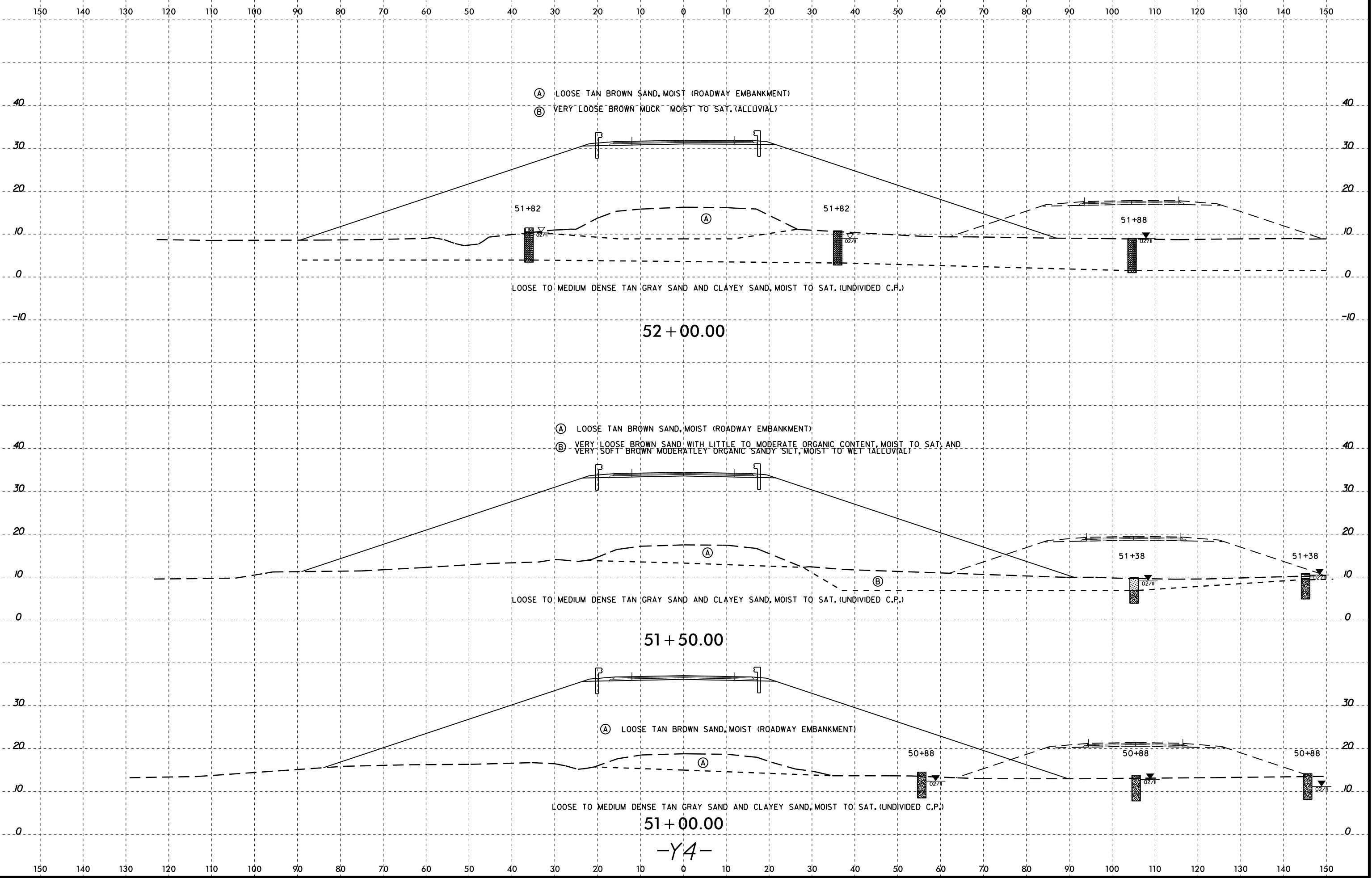
66 + 00.00

-Y3DET-

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

04-MAR-2015 11:41:16 Investigation\TIP\R1015\_GEO\_PDMY\_REV1\_2012\CADD\_GEO\TECH\sec\R1015\_GEO.rdy Y3DET\_xst\_6300.dgn  
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8/23/99



52 + 00.00

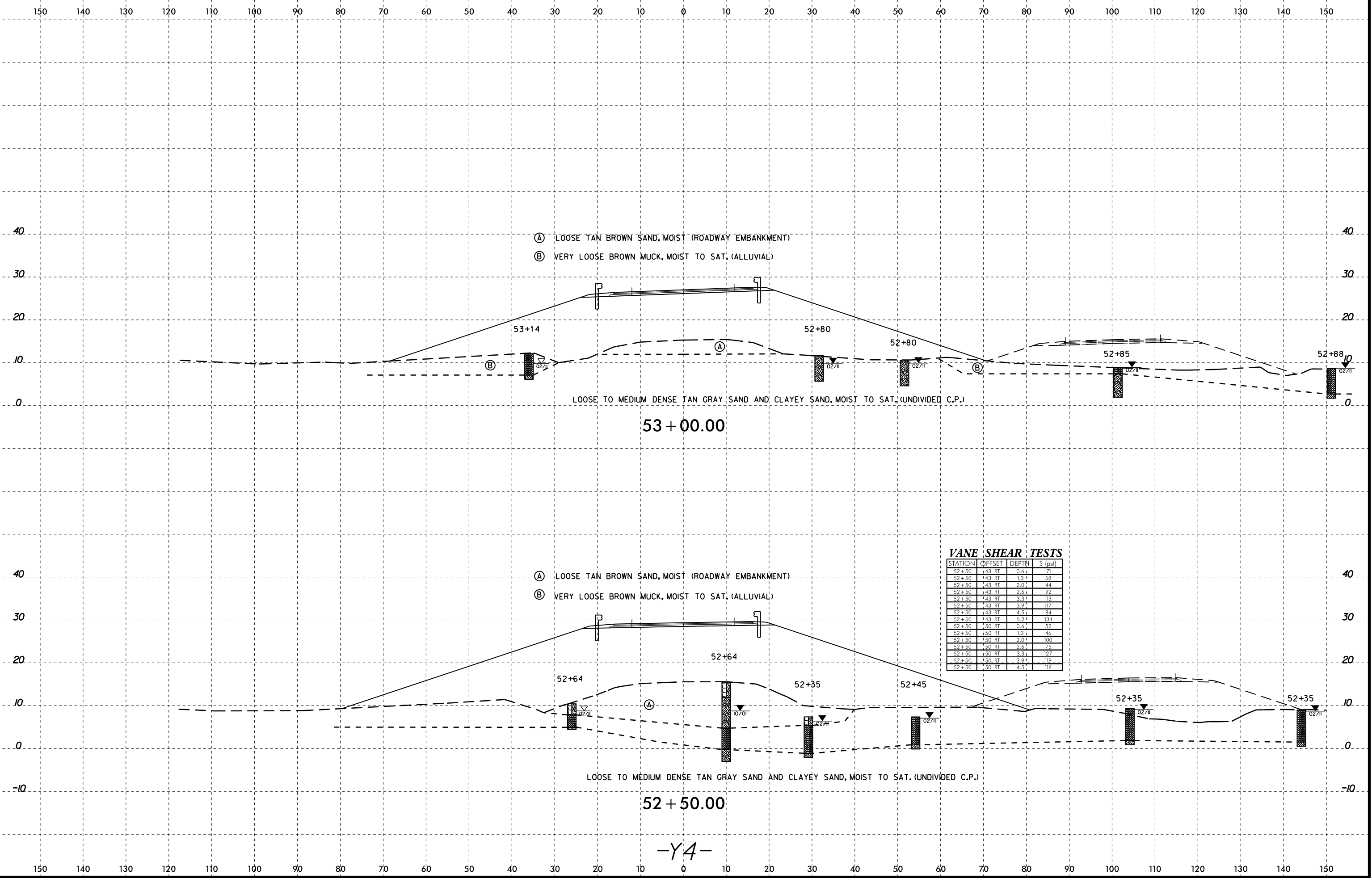
51 + 50.00

51 + 00.00

-Y4-

04-MAR-2015 11:41:16 Investigation\TIP\R1015\_GEO\_RDWY\_REV1\_2012\CADD\_GEO\TECH\sec\R1015\_GEO\_rdy\_Y4\_xst.dgn  
L:\ERD\G\ref\116\10677230  
A:\GEO\G\turner

8/23/99



**VANE SHEAR TESTS**

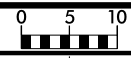
STATION	OFFSET	DEPTH	S (psf)
52+50	+43 RT	0.6'	71
52+50	+43 RT	1.3'	58
52+50	+43 RT	2.0'	44
52+50	+43 RT	2.6'	92
52+50	+43 RT	3.3'	113
52+50	+43 RT	3.9'	117
52+50	+43 RT	4.5'	84
52+60	+43 RT	5.2'	134
52+50	+50 RT	0.6'	52
52+50	+50 RT	1.3'	46
52+50	+50 RT	2.0'	100
52+50	+50 RT	2.6'	75
52+50	+50 RT	3.3'	127
52+50	+50 RT	3.9'	119
52+50	+50 RT	4.5'	116

04-MAR-2015 11:41:16 Investigation\TIP\R1015\_GEO\_RDWY\_REV1\_2012\CADD\_GEO\TECH\sec\R1015\_GEO\_rdy\_Y4\_xst.dgn  
 L:\ERD\Gerefer\10677230  
 At: 10677230  
 G:\turner

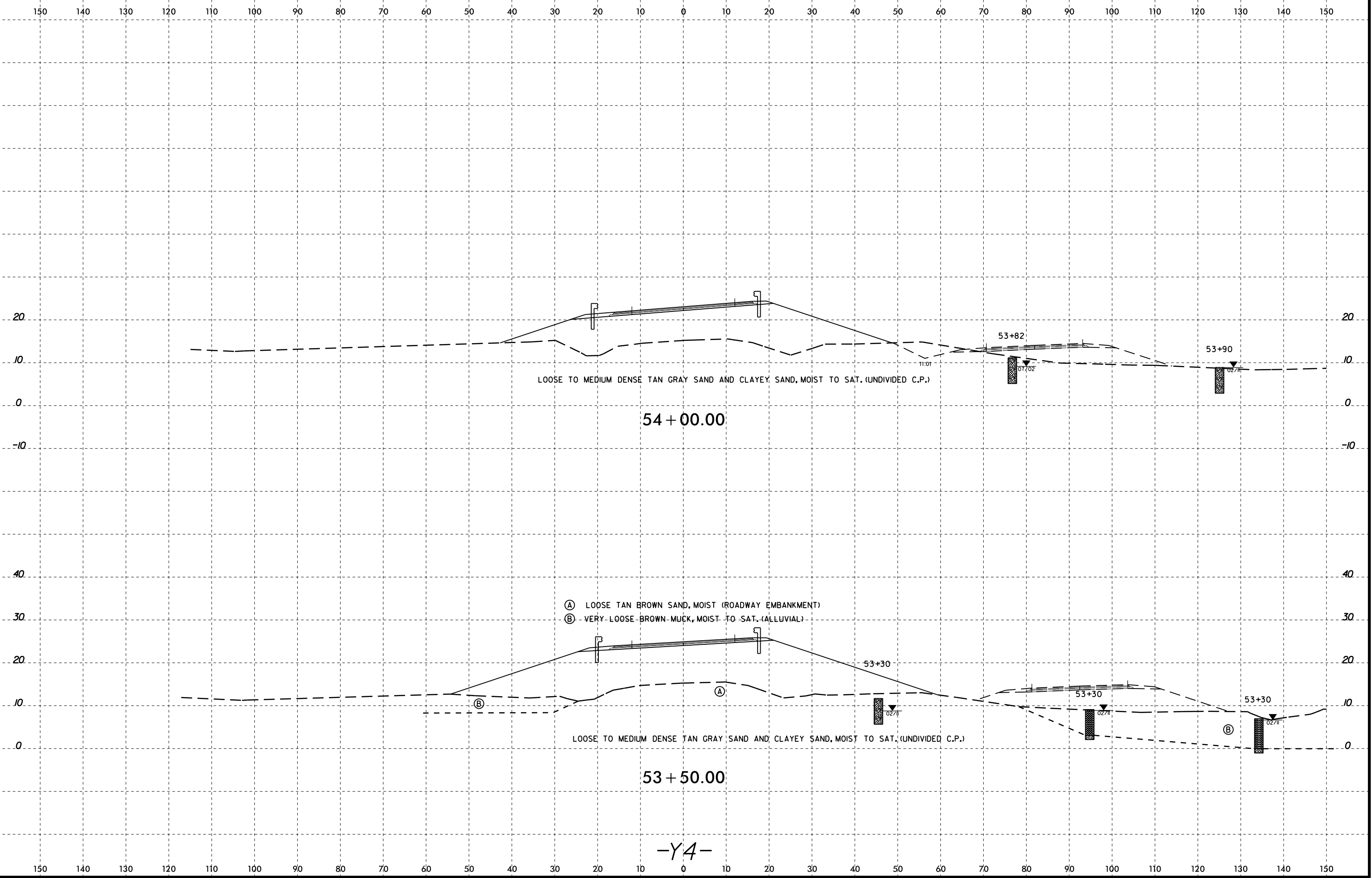
-Y4-



8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-1015	190



LOOSE TO MEDIUM DENSE TAN GRAY SAND AND CLAYEY SAND, MOIST TO SAT. (UNDIVIDED C.P.)

54 + 00.00

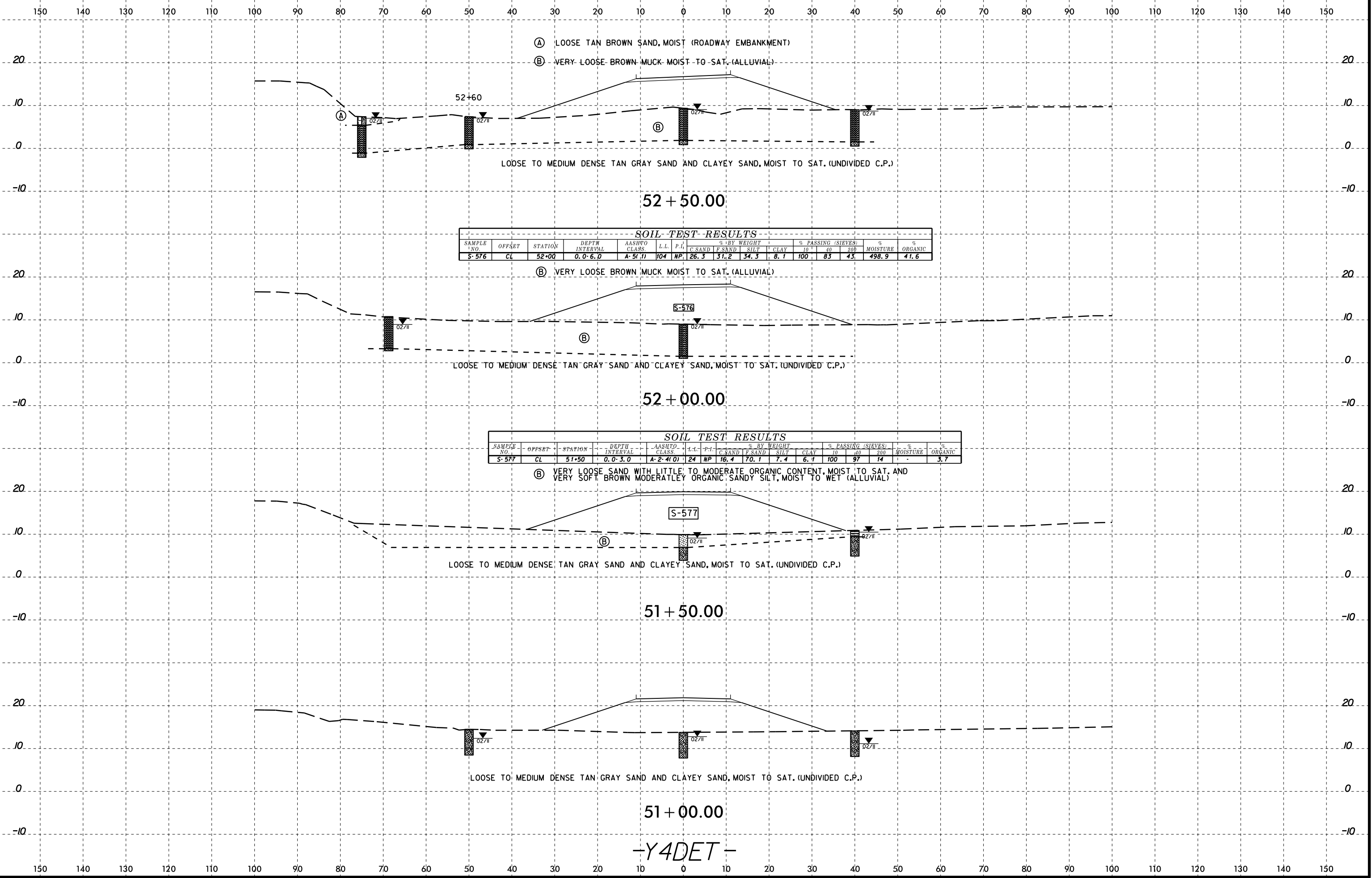
- (A) LOOSE TAN BROWN SAND, MOIST (ROADWAY EMBANKMENT)
- (B) VERY LOOSE BROWN MUCK, MOIST TO SAT. (ALLUVIAL)

LOOSE TO MEDIUM DENSE TAN GRAY SAND AND CLAYEY SAND, MOIST TO SAT. (UNDIVIDED C.P.)

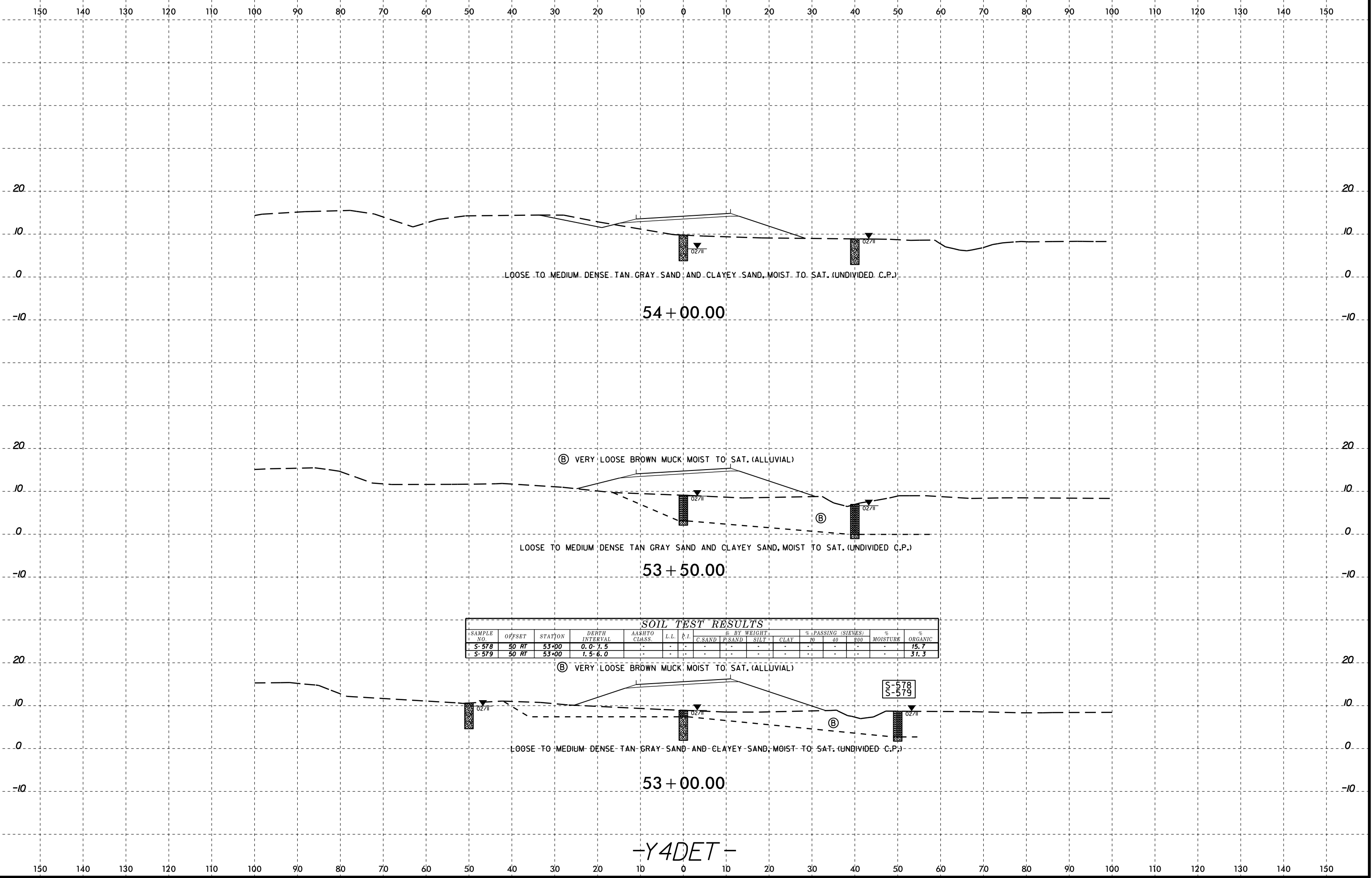
53 + 50.00

-Y4-

04-MAR-2015 11:41:16 Investigation\TIP\R1015\_GEO\_PDMY\_REV1\_2012\CADD\_GEO\TECH\sec\R1015\_GEO\_rdy\_Y4\_xst.dgn  
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8/23/99

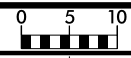


SOIL TEST RESULTS														
SAMPLE NO.	OFFSET	STATION	DEPTH INTERVAL	AASHTO CLASS.	L.L.	P.I.	BY WEIGHT			% PASSING (SIEVES)			% MOISTURE	% ORGANIC
							C.SAND	F.SAND	SILT	NO.	40	800		
S-578	50 RT	53+00	0.0 - 1.5											15.7
S-579	50 RT	53+00	1.5 - 6.0											31.3

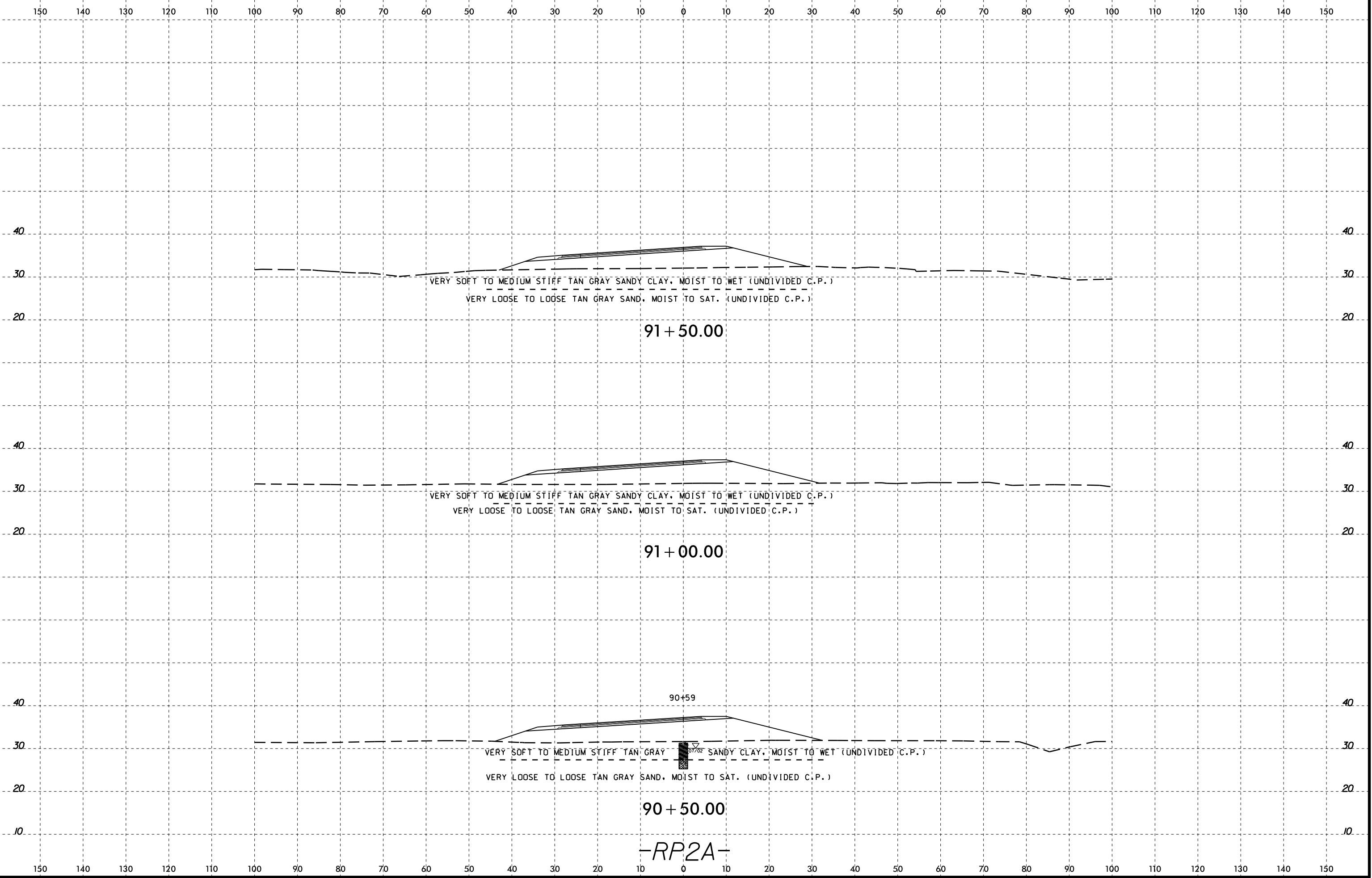
04-MAR-2015 11:41 [C:\Users\jg\Documents\Investigation\TIP\R1015\_GEO\_PDMY\_REV1\_2012\CADD\_GEO\TECH\sec\R1015\_GEO\_rdy\_Y4DET\_xst.dgn] jg  
 L:\ERD\Gere\ref\10677230  
 Atty: GEG/7/23/99  
 G. Turner

-Y4DET-

8/23/99

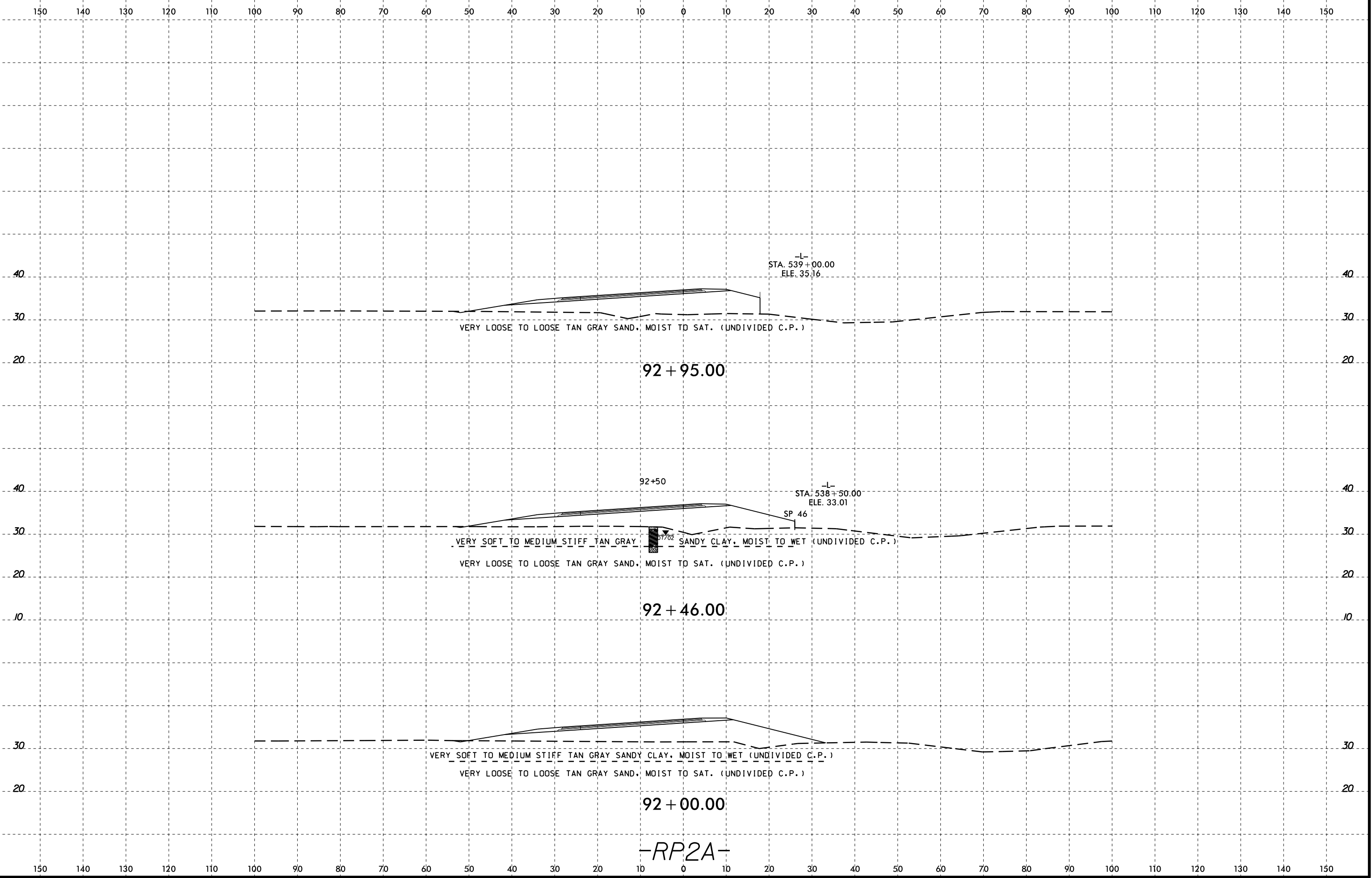


PROJ. REFERENCE NO.	SHEET NO.
R-1015	193



04-MAR-2015 11:41:16 Investigation\TIP\RP2A\GEO\RDWY\_REV1\_2012\CADD\GEO\TECH\sec\RP2A\_xst.dgn  
 User: G. Turner  
 Plot: 07/02

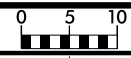
8/23/99



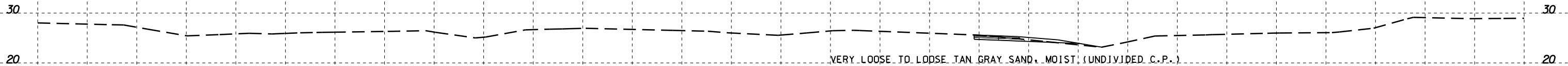
04-MAR-2015 11:41:16 Investigation\TIP\R1015\_GEO\_PDMY\_REV1\_2012\CADD\_GEO\TECH\sec\R1015\_GEO\_rdy\_RP2A\_xst.dgn  
C:\ERD\_Geotech\At\GEG77339

-RP2A-

8/23/99



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



39 + 00.00

VERY LOOSE TO LOOSE TAN GRAY SAND, MOIST (UNDIVIDED C.P.)

(A) SOFT TO MEDIUM STIFF TAN GRAY SANDY CLAY, MOIST (UNDIVIDED C.P.)

VERY LOOSE TO LOOSE TAN GRAY SAND, MOIST (UNDIVIDED C.P.)

38 + 50.00

38+05

SOFT TO MEDIUM STIFF TAN GRAY SANDY CLAY, MOIST (UNDIVIDED C.P.)



VERY LOOSE TO LOOSE TAN GRAY SAND, MOIST (UNDIVIDED C.P.)

38 + 00.00

SOFT TO MEDIUM STIFF TAN GRAY SANDY CLAY, MOIST (UNDIVIDED C.P.)

VERY LOOSE TO LOOSE TAN GRAY SAND, MOIST (UNDIVIDED C.P.)

37 + 50.00

SOFT TO MEDIUM STIFF TAN GRAY SANDY CLAY, MOIST (UNDIVIDED C.P.)

VERY LOOSE TO LOOSE TAN GRAY SAND, MOIST (UNDIVIDED C.P.)

37 + 00.00

-RP2AC-

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

04-MAR-2015 11:41:16 Investigation\TIP\RP2AC\GEO\RDWY\_REV1\_2012\CADD\GEO\TECH\sec\RP2AC\_xst.dgn  
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A:\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-35	13 LT	5+90	3.7-5.2	A-2-4(0)	21	NP	8.0	76.4	2.4	13.2	100	99	16	-	-
SS-36	13 LT	5+90	21.4-22.9	A-1-B(0)	19	NP	76.3	13.5	5.2	5.1	74	28	9	-	-
SS-37	13 LT	5+90	31.4-32.9	A-2-4(0)	25	NP	2.2	77.4	12.2	8.1	98	96	24	-	-
SS-38	13 LT	5+90	37.3-37.5	A-1-B(0)	23	NP	62.6	30.2	1.2	6.1	87	60	8	-	-
SS-39	13 LT	5+90	41.4-42.9	A-2-4(0)	16	NP	58.7	27.2	8.0	6.1	93	58	14	-	-

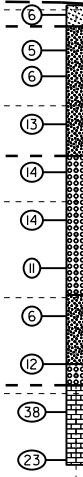
SP. 32

-L- STA. 510+50  
ELE. 51.82

(A) VERY LOOSE DARK BROWN SAND WITH LITTLE ORGANIC MATTER.  
MOIST (UNDIVIDED-C.P.)

5+90

SS-35
SS-36
SS-37
SS-38
SS-39



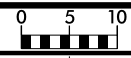
VERY LOOSE TO MEDIUM DENSE TAN GRAY SAND, MOIST TO SAT. (UNDIVIDED C.P.)

LOOSE TO DENSE GRAY SAND WITH SHELL FRAGMENTS, SAT. (DUPLIN FORMATION)

SOFT TO MODERATELY HARD LIMESTONE (RIVER BEND FORMATION)

5+86.00  
-RP2C-

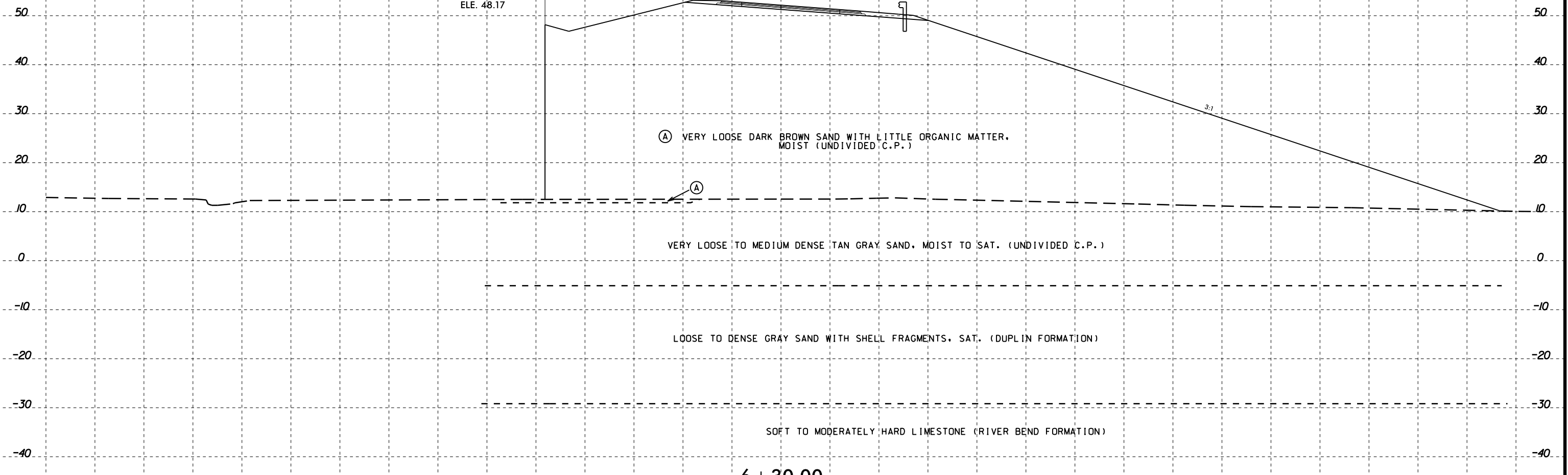
8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-1015	197

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

-L- STA. 511+00 SP 33  
ELE. 48.17



(A) VERY LOOSE DARK BROWN SAND WITH LITTLE ORGANIC MATTER, MOIST (UNDIVIDED C.P.)

(A) VERY LOOSE TO MEDIUM DENSE TAN GRAY SAND, MOIST TO SAT. (UNDIVIDED C.P.)

LOOSE TO DENSE GRAY SAND WITH SHELL FRAGMENTS, SAT. (DUPLIN FORMATION)

SOFT TO MODERATELY HARD LIMESTONE (RIVER BEND FORMATION)

6+30.00

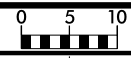
-RP2C-

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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 User: geotechnical\jg  
 Plot: 06/27/2015 10:00:00 AM  
 Plotter: HP DesignJet 2400

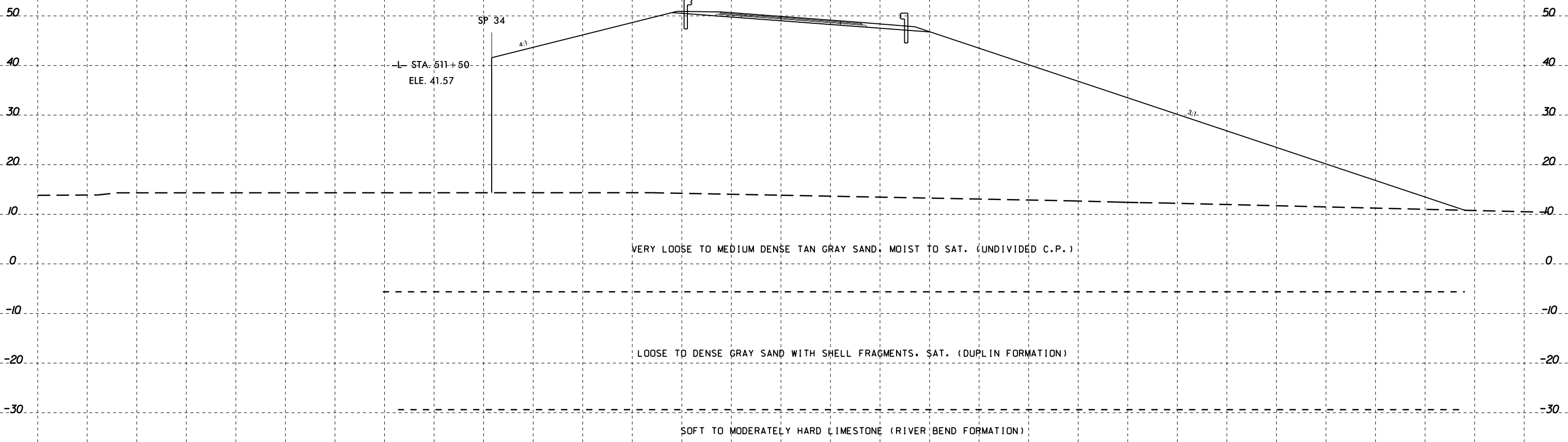


8/23/99



PROJ. REFERENCE NO.	SHEET NO.
R-1015	198

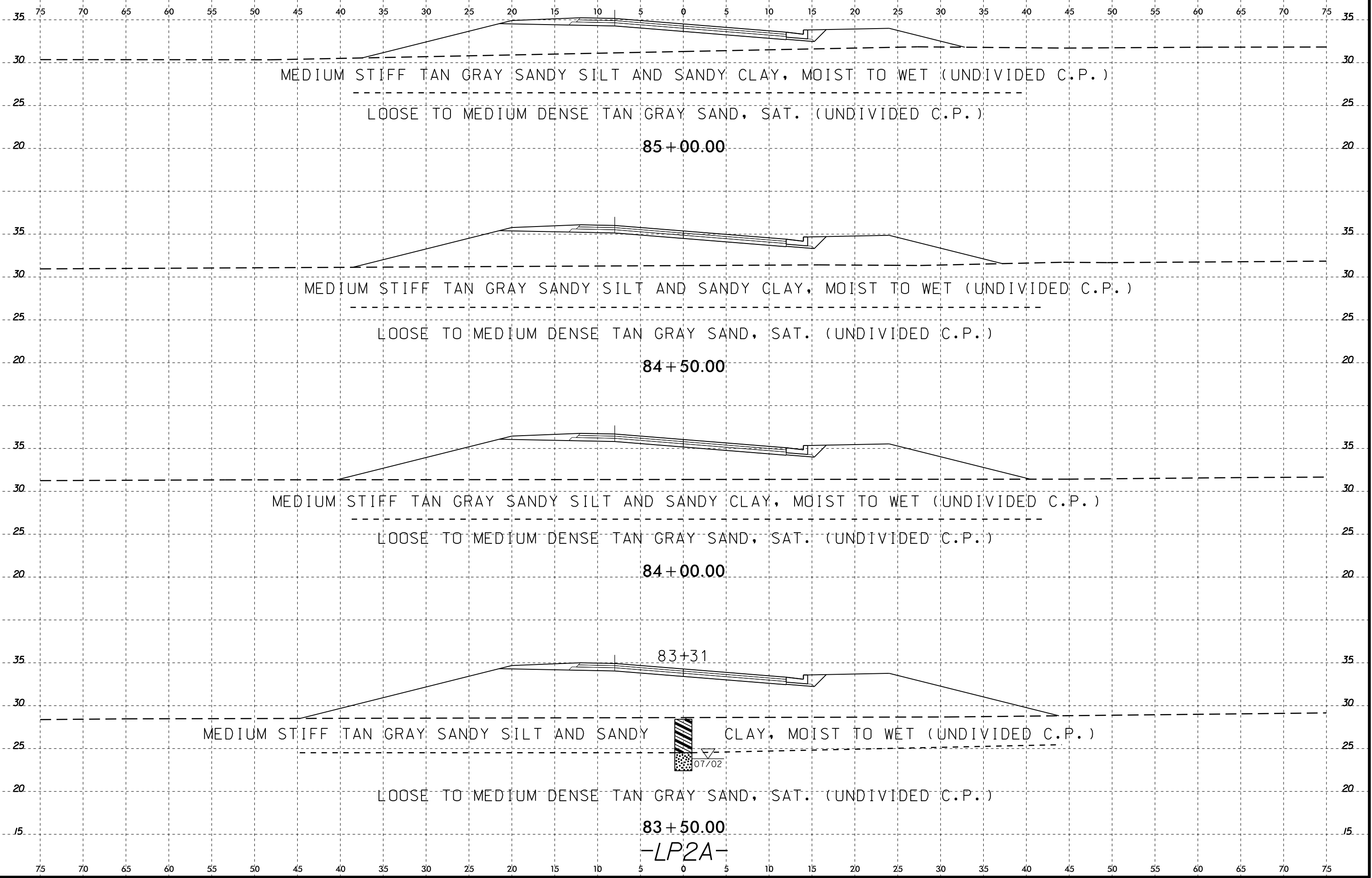
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6+79.00  
-RP2C-

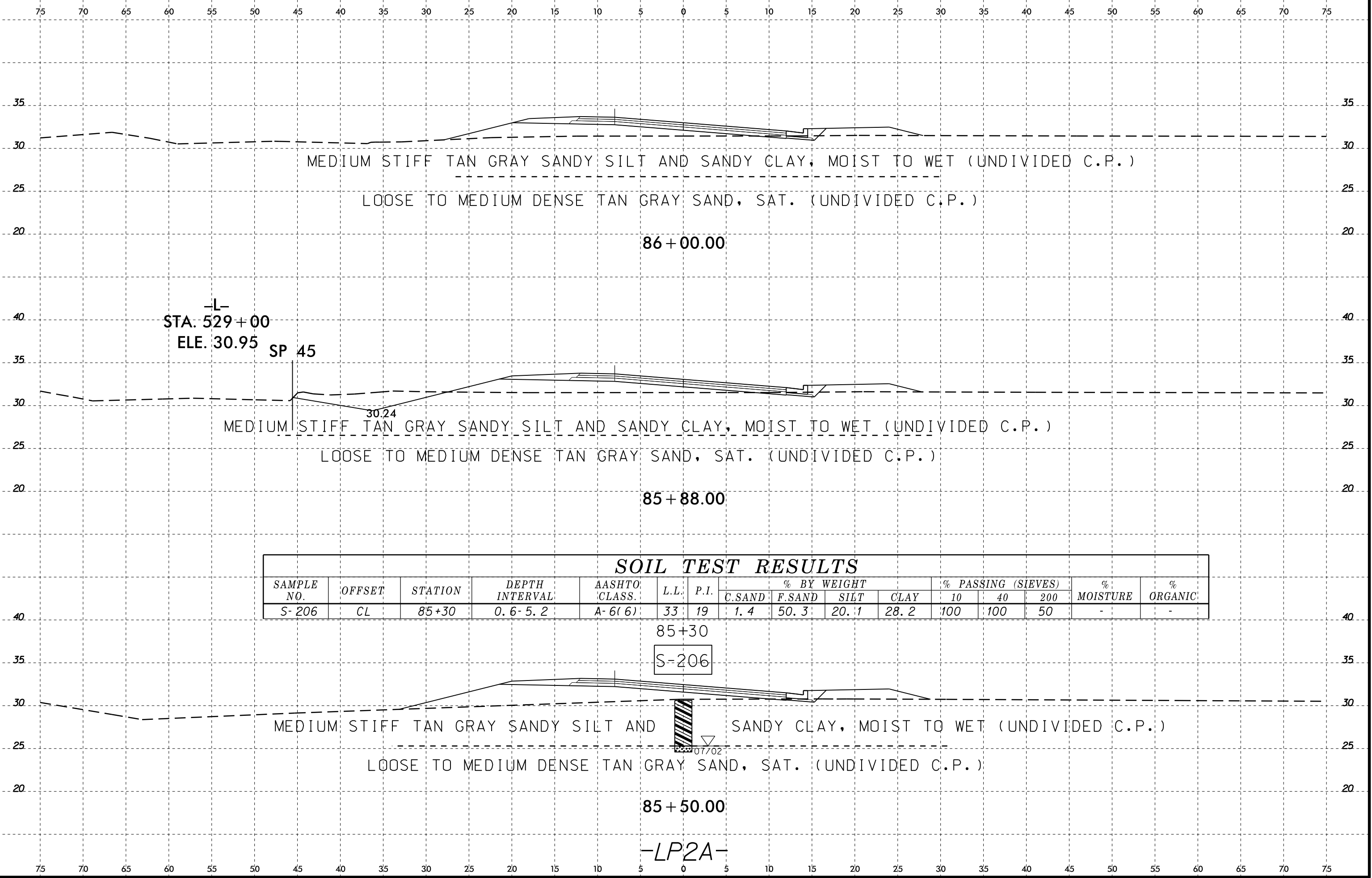
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 User: geotechnical\jg  
 Plot: 06/27/2015 10:56:30 AM  
 Plotter:

8/23/99



04-MAR-2015 11:41:16 I:\Investigation\TIP\R1015\_GEO\_PD\REV1\_2012\CADD\_GEO\TECH\sec\R1015\_GEO\_rdy\_LP2A\_xst.dgn  
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8/23/99



04-MAR-2015 11:41:16 Investigation\TIP\R1015\_GEO\_PDMY\_REV1\_2012\CADD\_GEO\TECH\sec\R1015\_GEO\_rdy\_LP2A\_xst.dgn