CROSS SECTION INDEX SHEET

TIP NO: X-0002CB
INITIALS: WBT

Chain	Beg Sta	End Sta	LOC	Sheet No.	Comments / Log File
L	104+80.000	105+40.000	RT	X-1 TO X-2	
L	105+60.000	107+40.00	RT	X-3 TO X-5	l_ew.log
L	104+80.00	107+40.00	LT	X-6 TO X-10	l_ew.log
L	107+60.00	111+00.00	CL	X-11 TO X-15	l_ew.log
L	111+00.000	117+60.000	CL	X-15 TO X-44	l_ew_100818.log
L	128+60.000	135+60.000	CL	X-44 TO X-52	l_ew.log
L	135+80.00	146+00.00	RT	X-53 TO X-72	l_ew.log
L	135+80.00	146+00.00	LT	X-73 TO X-90	l_ew.log
L	146+20.00	149+80.00	CL	X-91 TO X-96	l_ew.log
Y_Rpa	1+20.000	3+20.00	CL	X-97 TO X-99	y_rpa_ew.log
Y2	12+80.000	14+40.000	CL	X-100 TO X-101	y2_ew.log
Y5	10+60.000	12+60.000	CL	X-102 TO X-103	y5_ew.log
Y6	10+20.000	11+40.000	CL	X-104 TO X-105	y6_ew.log
Y7	11+60.000	11+80.000	CL	X-106	y7_ew.log
Y8_Rev	10+60.000	12+80.000	CL	X-107 TO X-108	y8rev_ew.log
Y9	11+20.00	15+00.000	CL	X-109 TO X-113	y9_ew.log

Chain	Beg Sta	End Sta	LOC	Sheet No.	Comments / Log File

PROJ. REFERENCE NO.	SHEET NO.
X-0002CB	X-A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NOTE: EMBANKMENT COLUMN INCLUDES BACKFILL FOR UNDERCUT

CROSS-SECTION SUMMARY

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
105+60.000	0	0	
105+80.000	73	8966	
106+00.000	28	6460	
106+20.000	0	4570	
106+40.000	0	3133	
106+60.000	35	2059	
106+80.000	98	1474	
107+00.000	260	912	
107+20.000	829	218	
107+40.000	1828	0	
107+60.000	2345	0	
107+80.000	2129	0	
108+00.000	1871	0	
108+20.000	1902	0	
108+40.000	1895	0	
108+60.000	1812	0	
108+80.000	1886	0	
109+00.000	1963	0	
109+20.000	1957	0	
109+40.000	1873	0	
109+60.000	1951	0	
109+80.000	2028	0	
110+00.000	2037	0	
110+20.000	2207	0	
110+40.000	2401	0	
110+60.000	2527	0	
110+80.000	2572	0	
111+00.000	2551	0	

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
111+00.000	2551	0	
111+20.000	2663	0	
111+40.000	2857	0	
111+60.000	3048	0	
111+80.000	3321	0	
112+00.000	3676	0	
112+20.000	3943	0	
112+40.000	4054	0	
112+60.000	4094	0	
112+80.000	4097	0	
113+00.000	4157	0	
113+20.000	4325	0	
113+40.000	4548	0	
113+60.000	4717	0	
113+80.000	4860	0	
114+00.000	4661	0	
114+20.000	3747	150	
114+40.000	2540	710	
114+60.000	1594	1307	
114+80.000	1000	1286	
115+00.000	889	856	

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
115+20.000	1254	701	
115+40.000	1313	887	
115+60.000	1121	913	
115+80.000	997	1020	
116+00.000	759	1133	
116+20.000	435	1632	
116+40.000	303	2155	
116+60.000	255	2157	
116+80.000	72	3088	
117+00.000	6	4097	
117+20.000	0	5790	
117+40.000	0	8683	
117+60.000	0	11992	

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
118+80.000	0	0	
119+00.000	0	10414	
119+20.000	0	6962	
119+40.000	0	4542	
119+60.000	0	3031	
119+80.000	0	2528	
120+00.000	0	2713	
120+20.000	0	2788	
120+40.000	0	2616	
120+60.000	0	2400	
120+80.000	0	2201	
121+00.000	8	1974	
121+20.000	71	1567	
121+40.000	215	1052	
121+60.000	333	669	
121+80.000	651	269	
122+00.000	1599	0	
122+20.000	2639	0	
122+40.000	3307	0	
122+60.000	3328	0	
122+80.000	2843	0	
123+00.000	2518	0	
123+20.000	2410	0	
123+40.000	2520	0	
123+60.000	2692	0	
123+80.000	2615	0	
124+00.000	2310	0	
124+20.000	2018	0	
124+40.000	1907	0	
124+60.000	2020	0	
124+80.000	2394	0	
125+00.000	3318	0	
125+20.000	4595	0	
125+40.000	5909	238	238
125+60.000	7415	357	357
125+80.000	9215	119	119

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
126+00.000	10753	0	
126+20.000	11816	0	
126+40.000	12826	0	
126+60.000	13042	0	
126+80.000	11855	0	
127+00.000	10246	0	
127+20.000	8746	0	
127+40.000	7373	0	
127+60.000	6150	0	
127+80.000	4842	239	239
128+00.000	3735	475	475
128+20.000	2966	475	475
128+40.000	2337	475	475
128+60.000	1658	475	475

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
128+60.000	0	414	414
128+80.000	672	181	88
129+00.000	32	833	
129+20.000	0	2008	
129+40.000	0	2984	
129+60.000	0	4202	
129+80.000	0	7159	
130+00.000	0	10278	
130+20.000	0	9983	
130+40.000	0	6550	
130+60.000	1	2691	
130+80.000	751	520	
131+00.000	2231	0	
131+20.000	3481	0	
131+40.000	4226	0	
131+60.000	4614	0	
131+80.000	4977	0	
132+00.000	5324	0	
132+20.000	5657	0	
132+40.000	6091	0	
132+60.000	6431	0	
132+80.000	6399	0	
133+00.000	6207	238	238
133+20.000	6210	475	475
133+40.000	6341	475	475
133+60.000	6499	475	475
133+80.000	6603	475	475
134+00.000	6538	475	475
134+20.000	6294	475	475
134+40.000	5877	475	475
134+60.000	5627	475	475
134+80.000	5501	475	475
135+00.000	4965	475	475
135+20.000	3555	475	475
135+40.000	1345	312	207

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
135+60.000	64	2312	
135+80.000	0	7219	
136+00.000	0	12262	
136+20.000	0	16360	
136+40.000	0	19365	
136+60.000	0	20696	
136+80.000	0	18933	
137+00.000	0	15292	
137+20.000	0	12204	
137+40.000	0	9631	
137+60.000	0	7370	
137+80.000	0	5440	
138+00.000	0	3910	
138+20.000	0	2574	
138+40.000	209	1313	
138+60.000	912	398	

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
138+60.000	0	0	
138+80.000	3367	47	
139+00.000	4001	0	
139+20.000	5322	0	
139+40.000	6210	0	
139+60.000	6954	139	80
139+80.000	7583	675	330
140+00.000	7937	777	349
140+20.000	7796	515	368
140+40.000	7713	633	629
140+60.000	7458	648	648
140+80.000	6096	426	426
141+00.000	3590	445	445
141+20.000	1051	756	432
141+40.000	0	2386	
141+60.000	0	5559	
141+80.000	0	7455	
142+00.000	0	8146	
142+20.000	0	8486	
142+40.000	0	8845	
142+60.000	0	9369	
142+80.000	0	9921	
143+00.000	0	10467	
143+20.000	0	10856	
143+40.000	0	11123	
143+60.000	0	11296	
143+80.000	0	11388	
144+00.000	0	11686	
144+20.000	0	12304	
144+40.000	0	12917	
144+60.000	0	12980	
144+80.000	29	12465	
145+00.000	205	11313	

PROJ. REFERENCE NO.	SHEET NO.
X-0002CB	X-B

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS-SECTION SUMMARY

NOTE: EMBANKMENT COLUMN INCLUDES BACKFILL FOR UNDERCUT

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
145+20.000	692	10020	
145+40.000	1223	9312	
145+60.000	1390	9011	
145+80.000	1485	8853	
146+00.000	1736	6142	219
146+20.000	1330	961	160
146+40.000	400	561	160

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
147+00.000	0	0	
147+20.000	0	7488	
147+40.000	0	6503	
147+60.000	11	3121	
147+80.000	23	629	
148+00.000	84	503	
148+20.000	83	459	
148+40.000	41	464	
148+60.000	114	372	
148+80.000	83	384	
149+00.000	64	328	

Station Y_Rpa	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
1+20.000	0	0	
1+40.000	0	1072	
1+60.000	0	1413	
1+80.000	0	1447	
2+00.000	4	967	
2+20.000	145	345	
2+40.000	210	138	
2+60.000	69	714	

Station Y2	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
12+80.000	0	0	
13+00.000	216	0	
13+20.000	254	0	
13+40.000	267	0	
13+60.000	289	0	
13+80.000	302	0	
14+00.000	276	0	
14+20.000	214	0	
14+40.000	182	0	

Station Y5	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
10+60.000	0	0	
10+80.000	228	6	

Station Y5	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
11+00.000	251	5	
11+20.000	248	0	
11+40.000	224	0	
11+60.000	207	0	
11+80.000	206	0	
12+00.000	186	0	
12+20.000	149	1	
12+40.000	124	2	
12+60.000	123	7	

Station Y6	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
10+20.000	0	0	
10+40.000	116	0	
10+60.000	89	0	
10+80.000	69	0	
11+00.000	66	0	
11+20.000	79	0	
11+40.000	111	0	

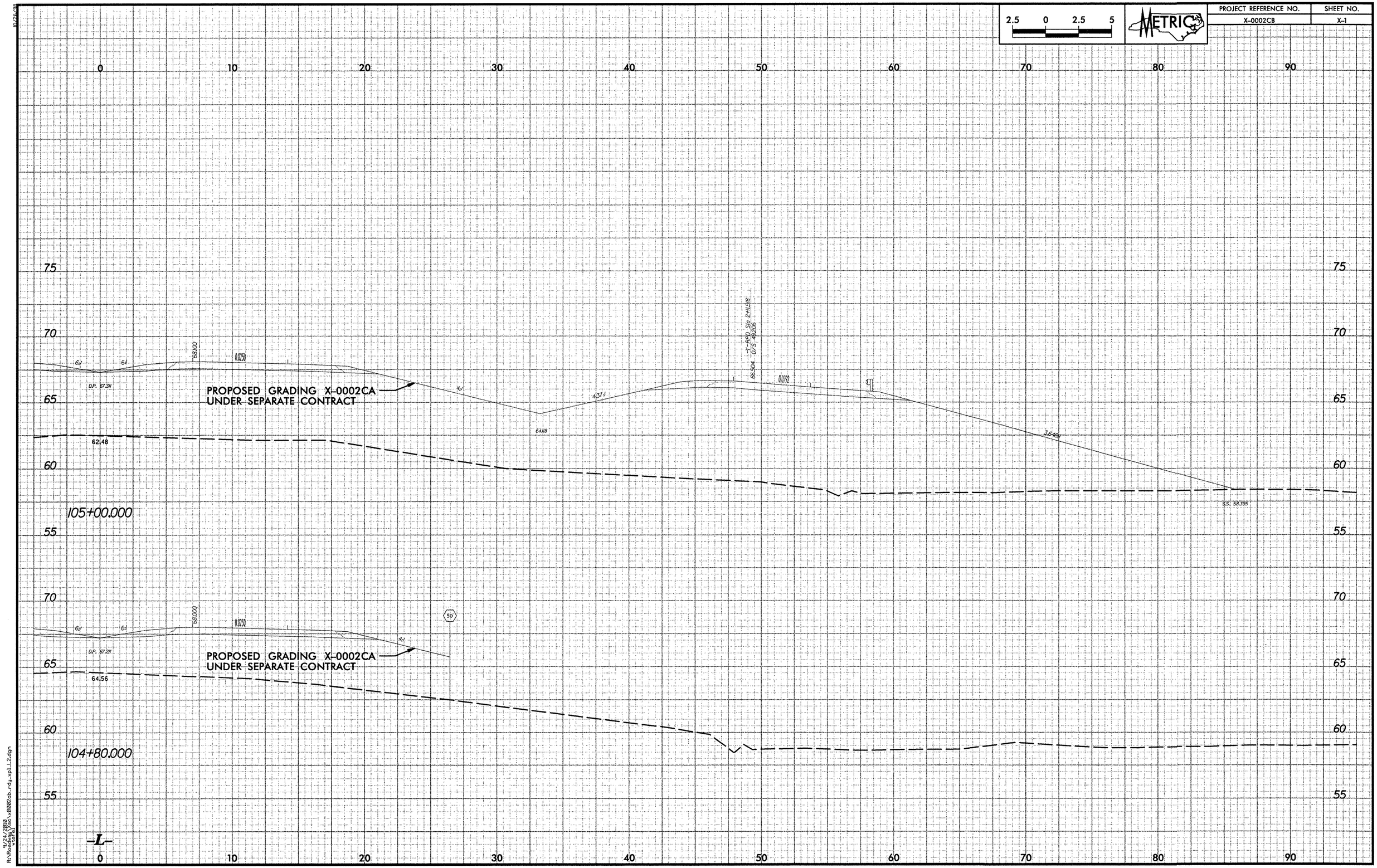
Station Y7	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
11+60.000	0	0	
11+80.000	175	0	

Station Y8_Rev	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
10+60.000	0	0	
10+80.000	201	4	
11+00.000	250	4	
11+20.000	376	0	
11+40.000	518	1	
11+60.000	578	1	
11+80.000	591	0	
12+00.000	433	5	
12+20.000	138	163	
12+40.000	68	360	
12+60.000	141	202	
12+80.000	166	0	

Station Y9	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
12+00.000	0	184	184
12+20.000	670	259	259
12+40.000	743	151	151
12+60.000	623	38	38
12+80.000	317	0	
13+00.000	184	0	
13+20.000	122	106	

Station Y9	Uncl. Exc. (cu. meters)	Embt (cu. meters)	UnderCut (cu. meters)
13+40.000	43	259	
13+60.000	27	250	90
13+80.000	477	151	144
14+00.000	973	150	150
14+20.000	890	150	150
14+40.000	708	149	149
14+60.000	567	148	148
14+80.000	371	147	147
15+00.000	205	125	125

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-1



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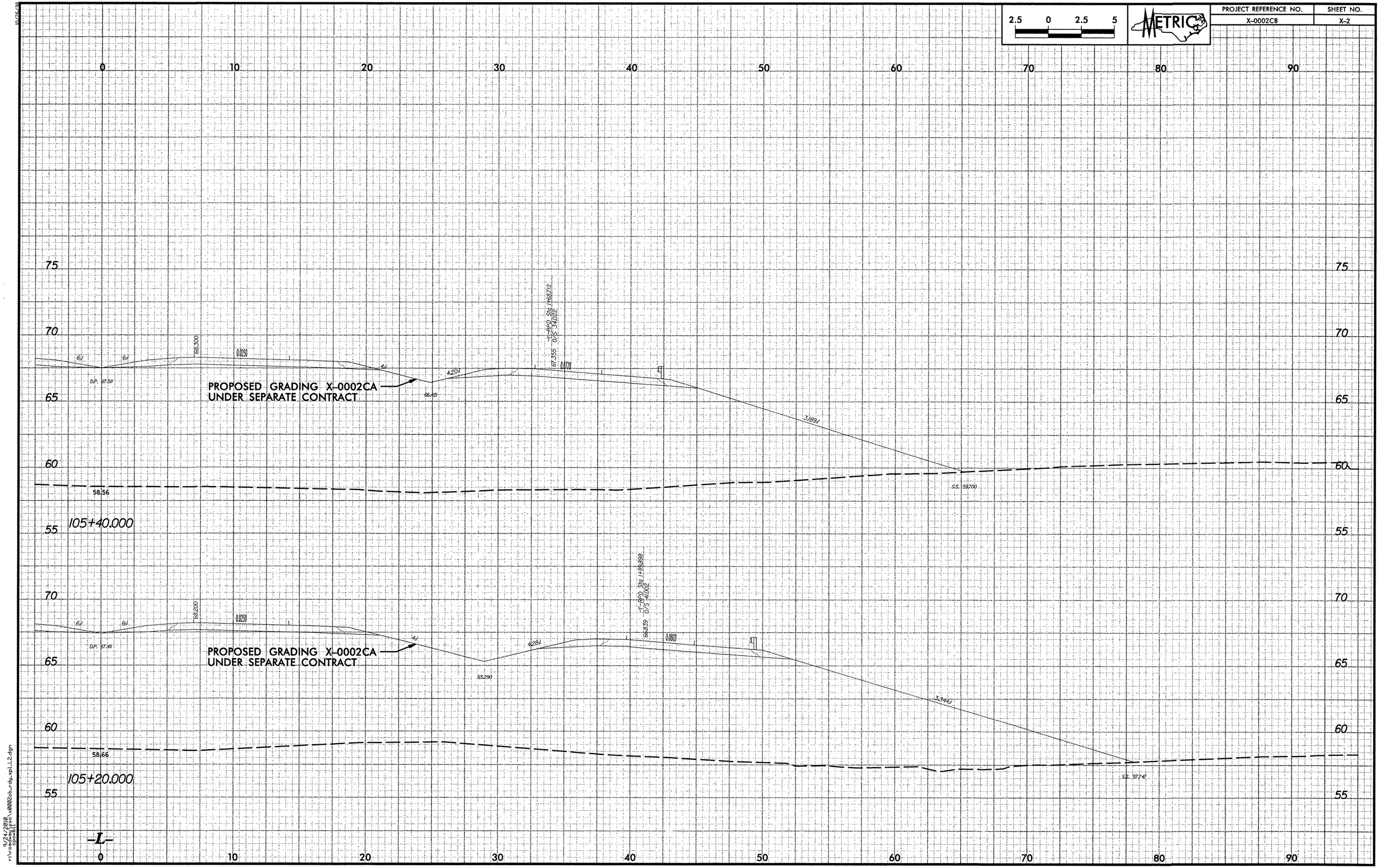
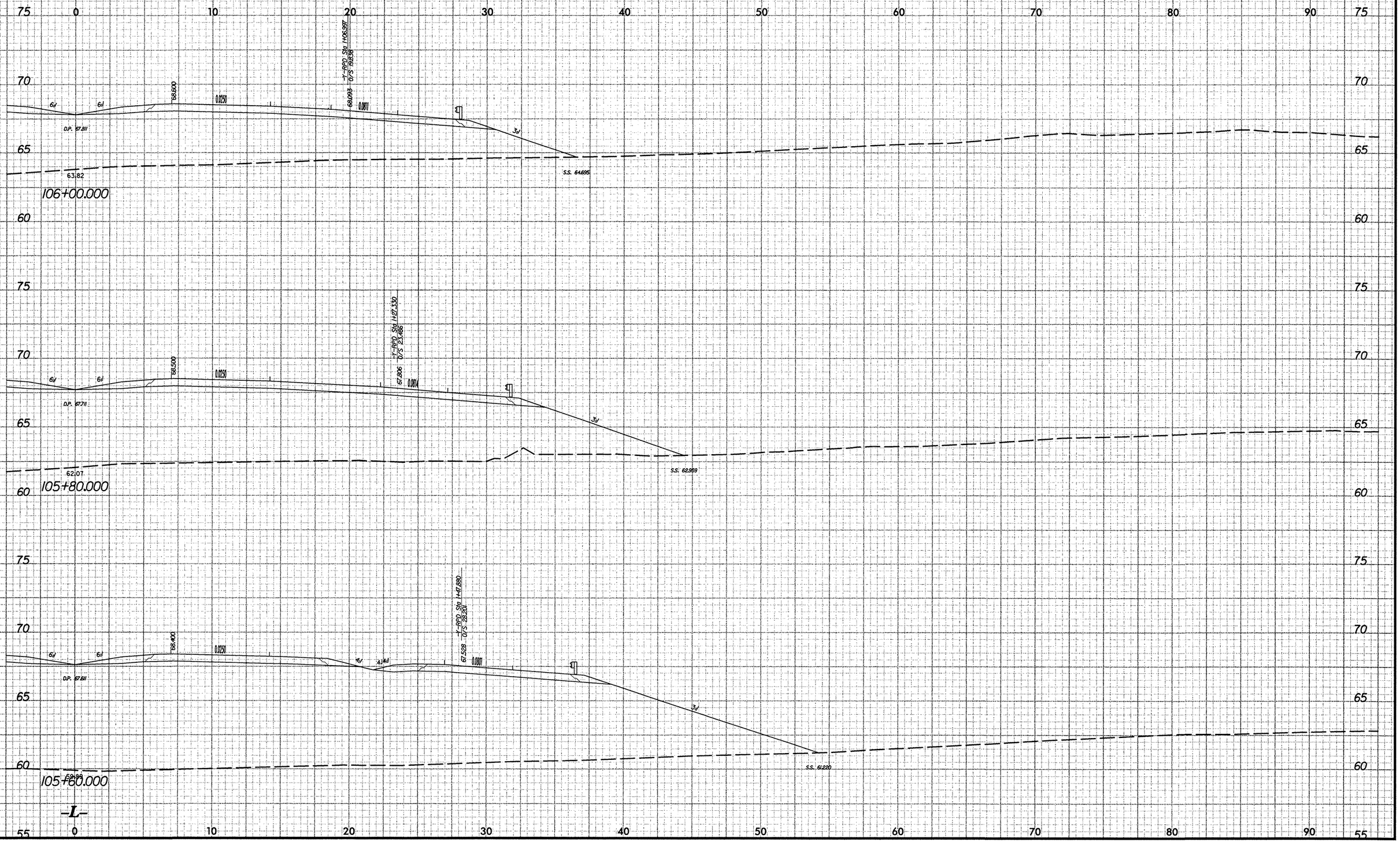


2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-2
0 10 20 30 40 50 60 70 80 90
75
70
65
60
55
PROPOSED GRADING X-0002CA
UNDER SEPARATE CONTRACT
68.300
0.0250
D.P. 67.511
66.421
4.20:1
-Y-RPD Sta 1+68.712
67.355 O/S 34.022
0.0778
3.189:1
S.S. 59.700
58.56
105+40.000
68.200
0.0250
D.P. 67.411
65.290
4.28:1
-Y-RPD Sta 1+89.898
66.839 O/S 41.002
0.0803
3.344:1
S.S. 57.747
58.66
105+20.000
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-3



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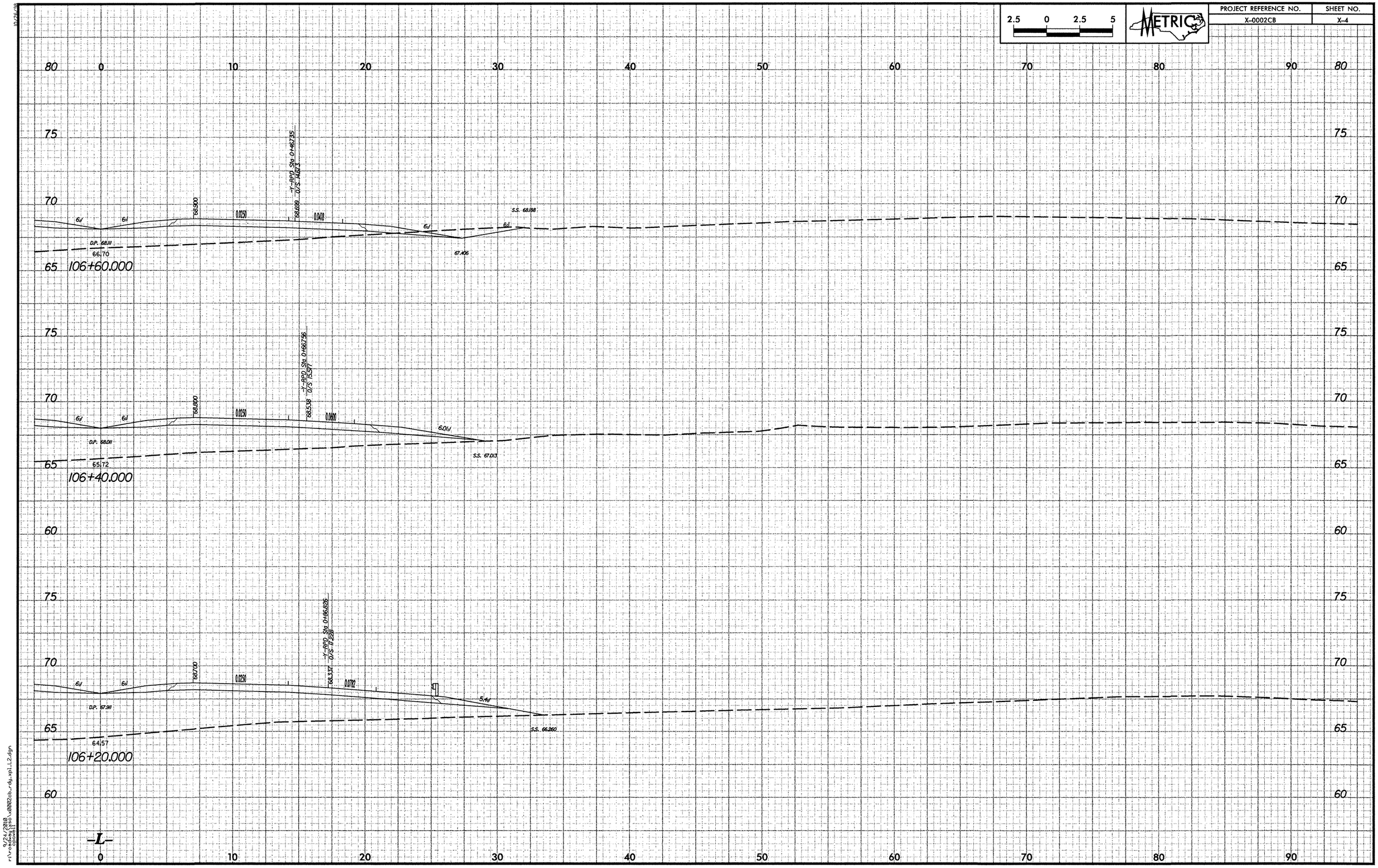
PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-4



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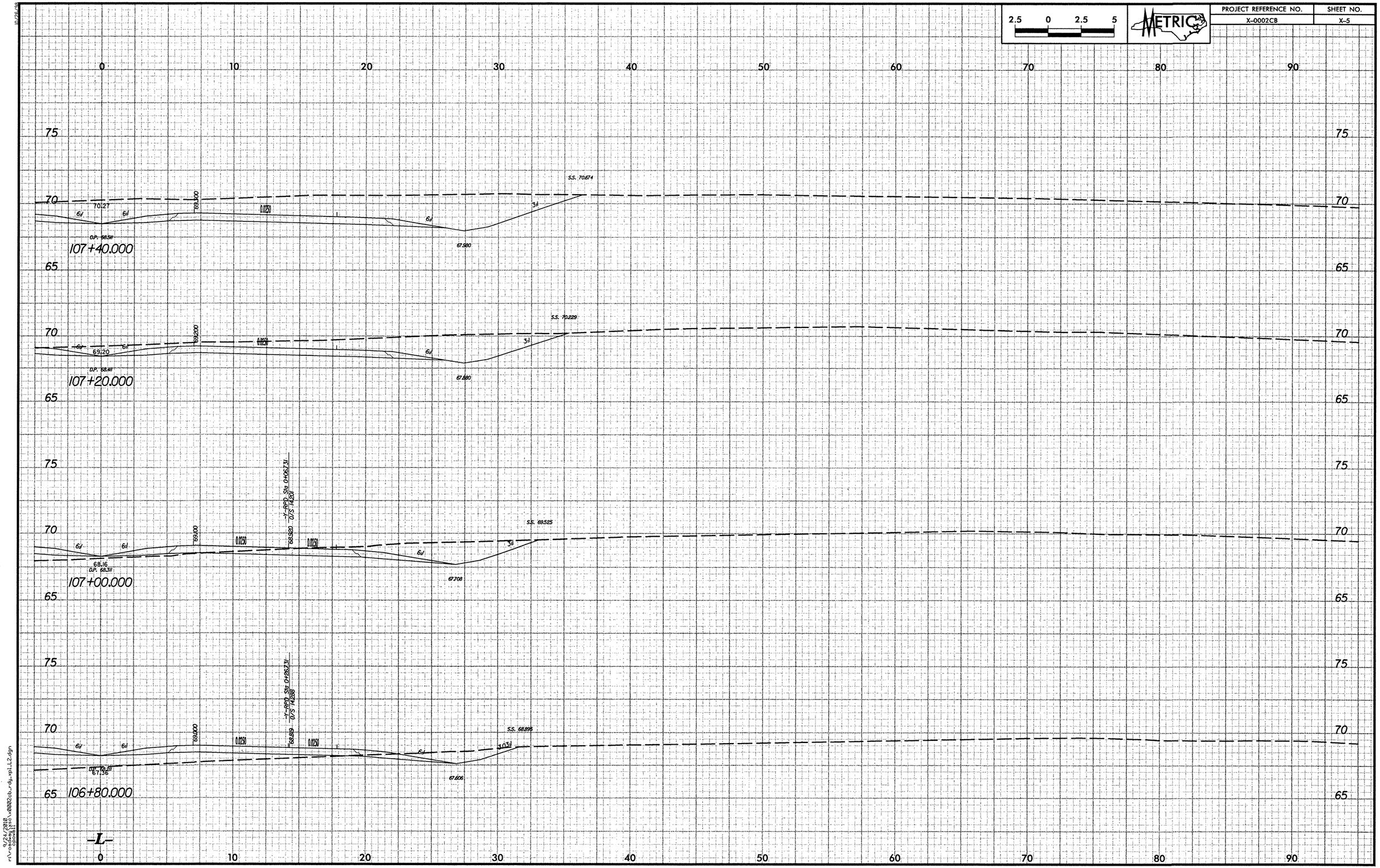
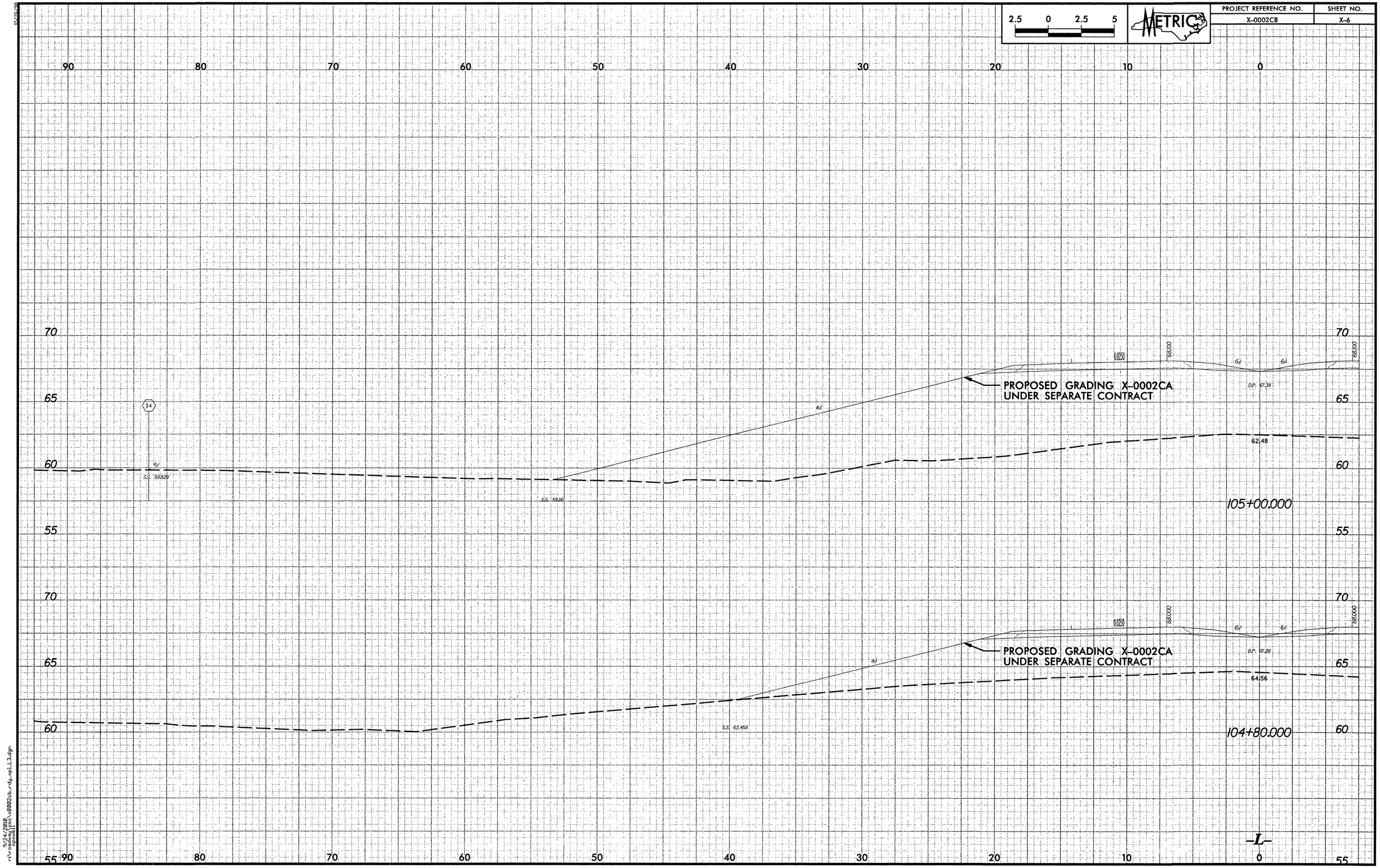
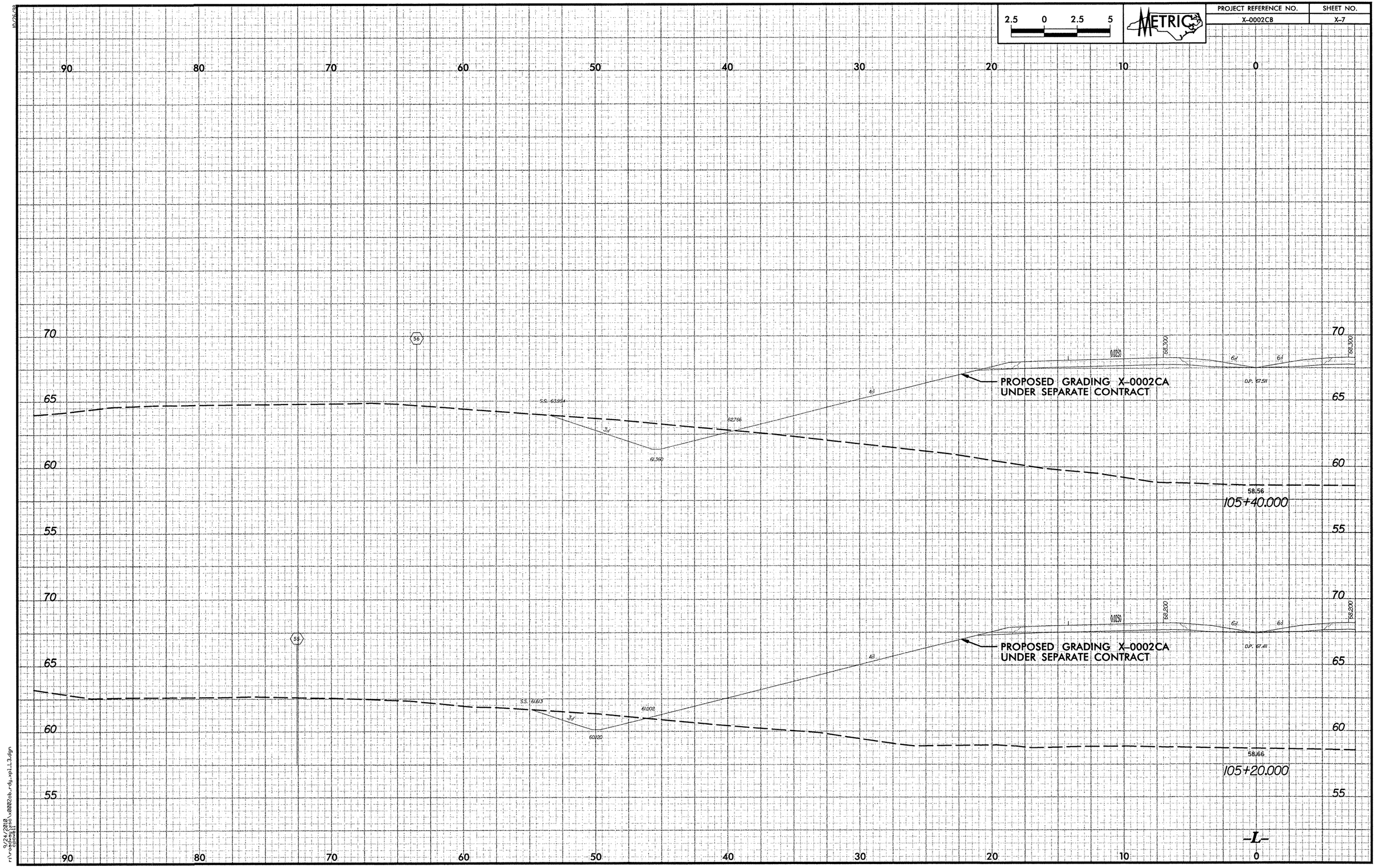


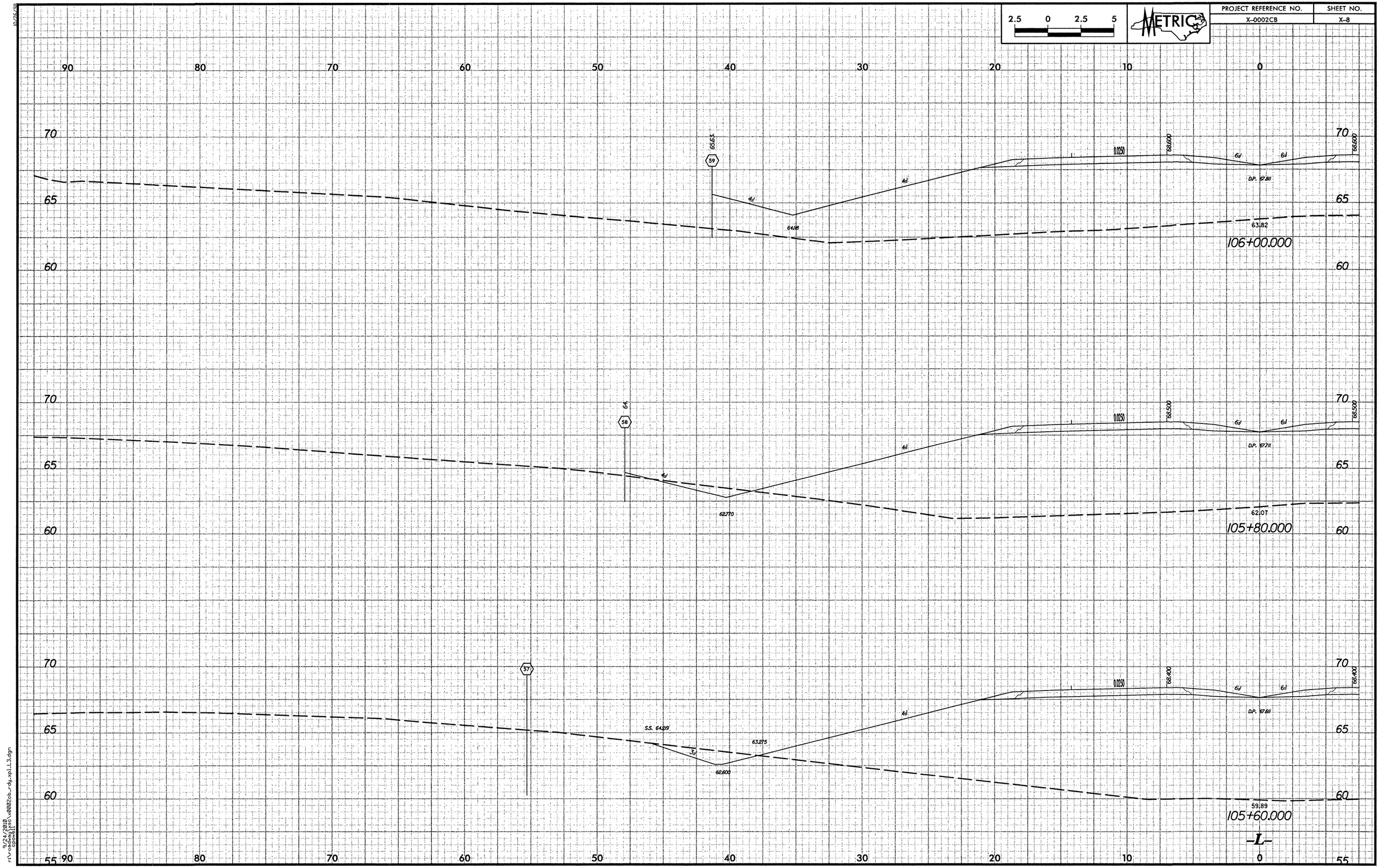
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-5
METRIC
2.5 0 2.5 5
107+40.000
107+20.000
107+00.000
106+80.000
-L-



PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-6
2.5 0 2.5 5
METRIC
90 80 70 60 50 40 30 20 10 0
70 65 60 55
PROPOSED GRADING X-0002CA
UNDER SEPARATE CONTRACT
0.0250
68.000
6:1
D.P. 67.311
62.48
S.S. 59.829
S.S. 59.116
105+00.000
PROPOSED GRADING X-0002CA
UNDER SEPARATE CONTRACT
0.0250
68.000
6:1
D.P. 67.211
64.56
S.S. 62.458
104+80.000
-L-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-7
90 80 70 60 50 40 30 20 10 0
70 65 60 55
56
55
PROPOSED GRADING X-0002CA
UNDER SEPARATE CONTRACT
PROPOSED GRADING X-0002CA
UNDER SEPARATE CONTRACT
58.56
105+40.000
58.66
105+20.000
-L-



PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-8
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METRIC
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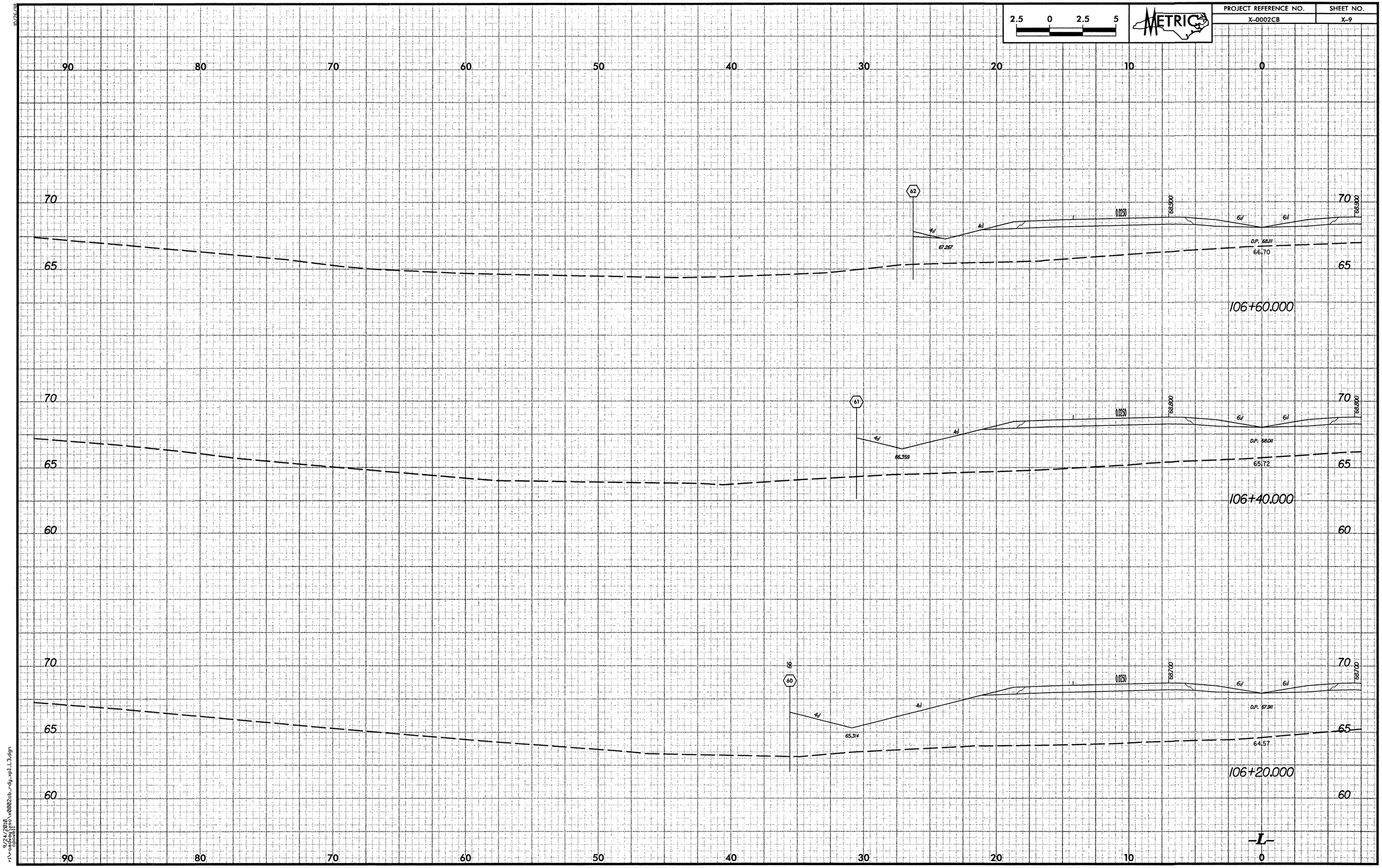
70 65 60 55
65.63
59
0.0250
68.600
6:1
D.P. 67.811
4:1
64.118
63.82
106+00.000
64
58
68.500
D.P. 67.711
62.770
62.07
105+80.000
57
68.400
D.P. 67.611
S.S. 64.219
3:1
63.275
62.600
59.89
105+60.000
-L-



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METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-9
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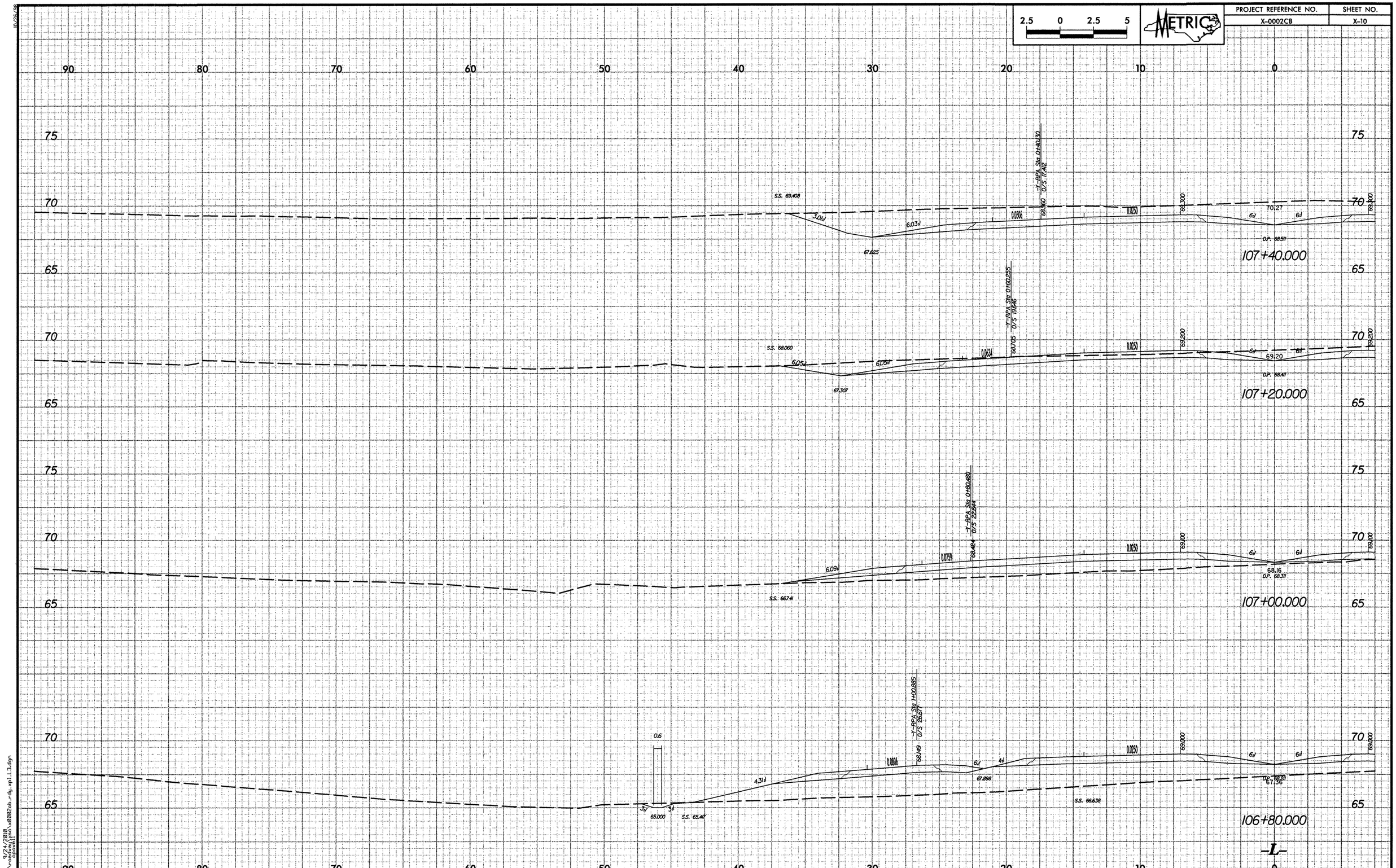
70
65
60
62
61
60
0.0250
68.900
68.800
68.700
4:1
6:1
67.267
66.359
65.314
D.P. 68.111
D.P. 68.011
D.P. 67.911
66.70
65.72
64.57
106+60.000
106+40.000
106+20.000
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-10



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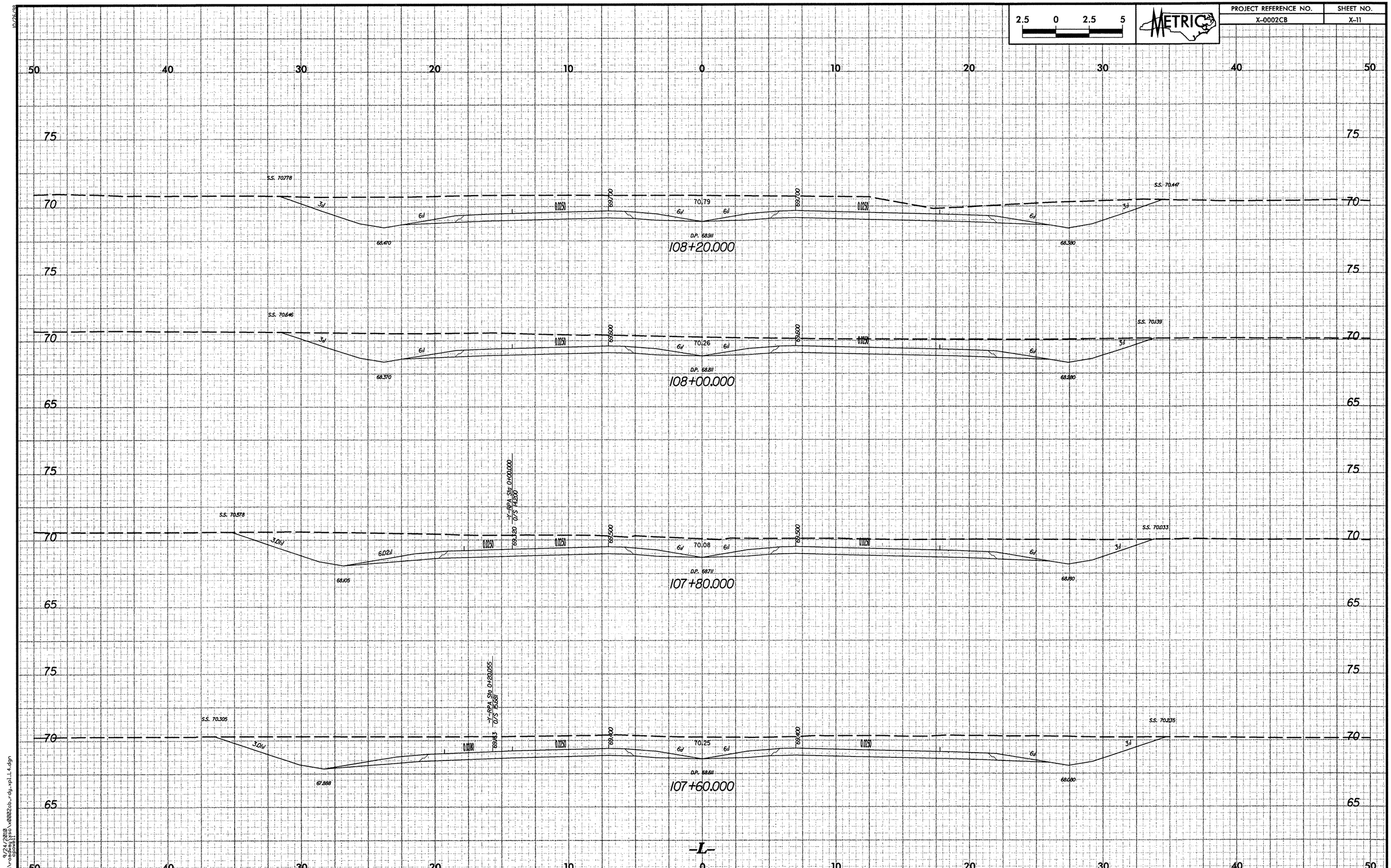
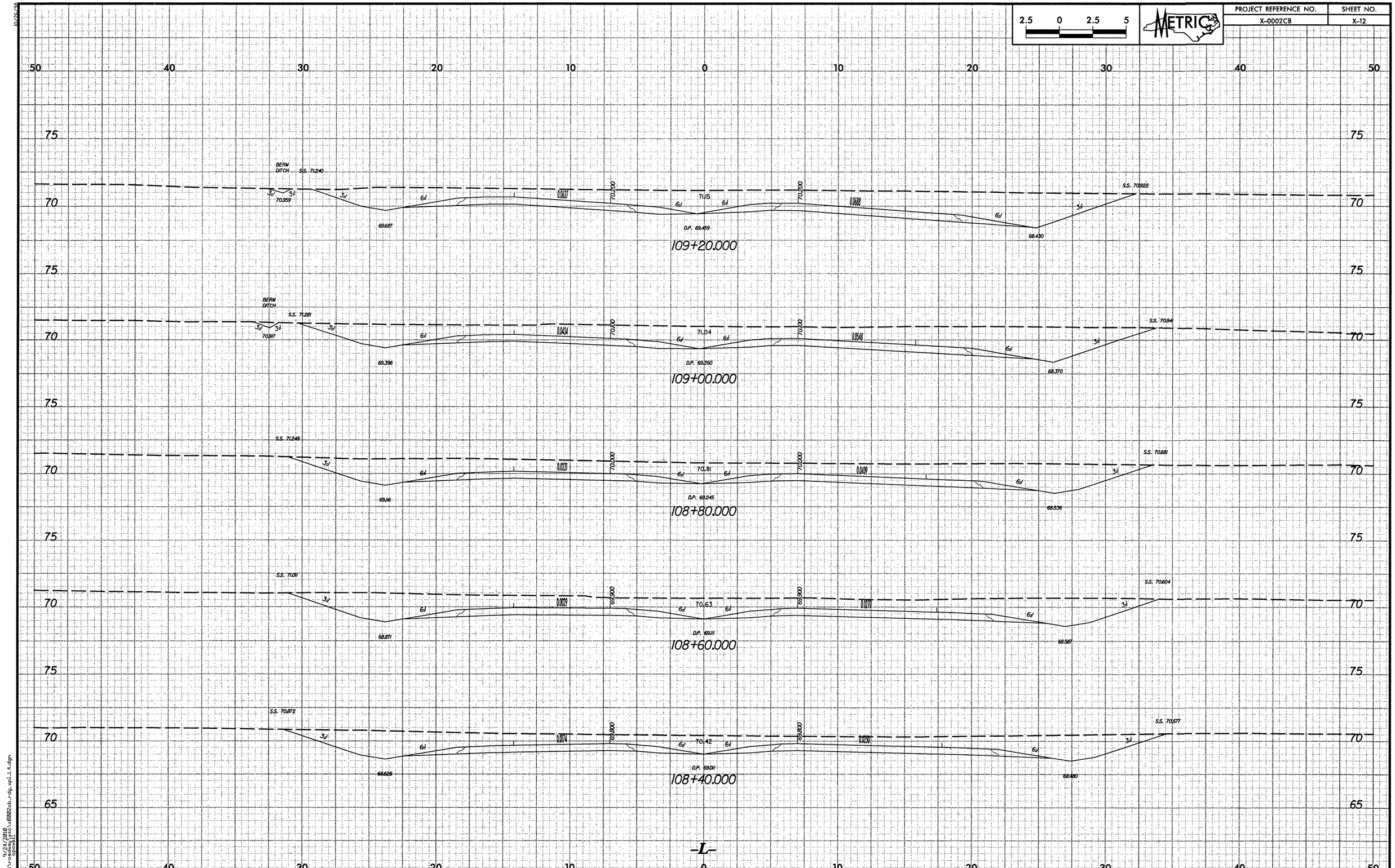


2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-11
108+20.000
108+00.000
107+80.000
107+60.000
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-12



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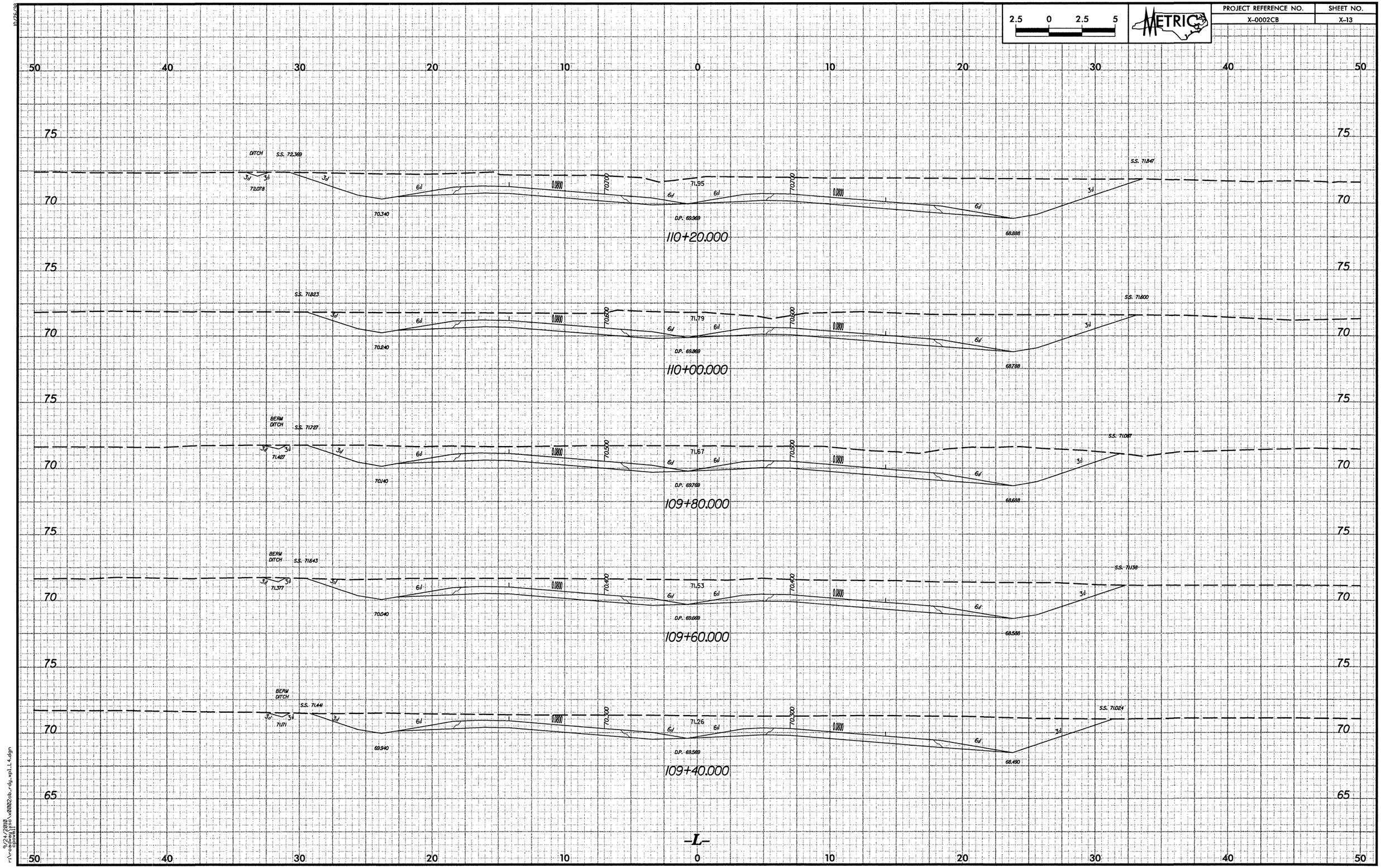
PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-13



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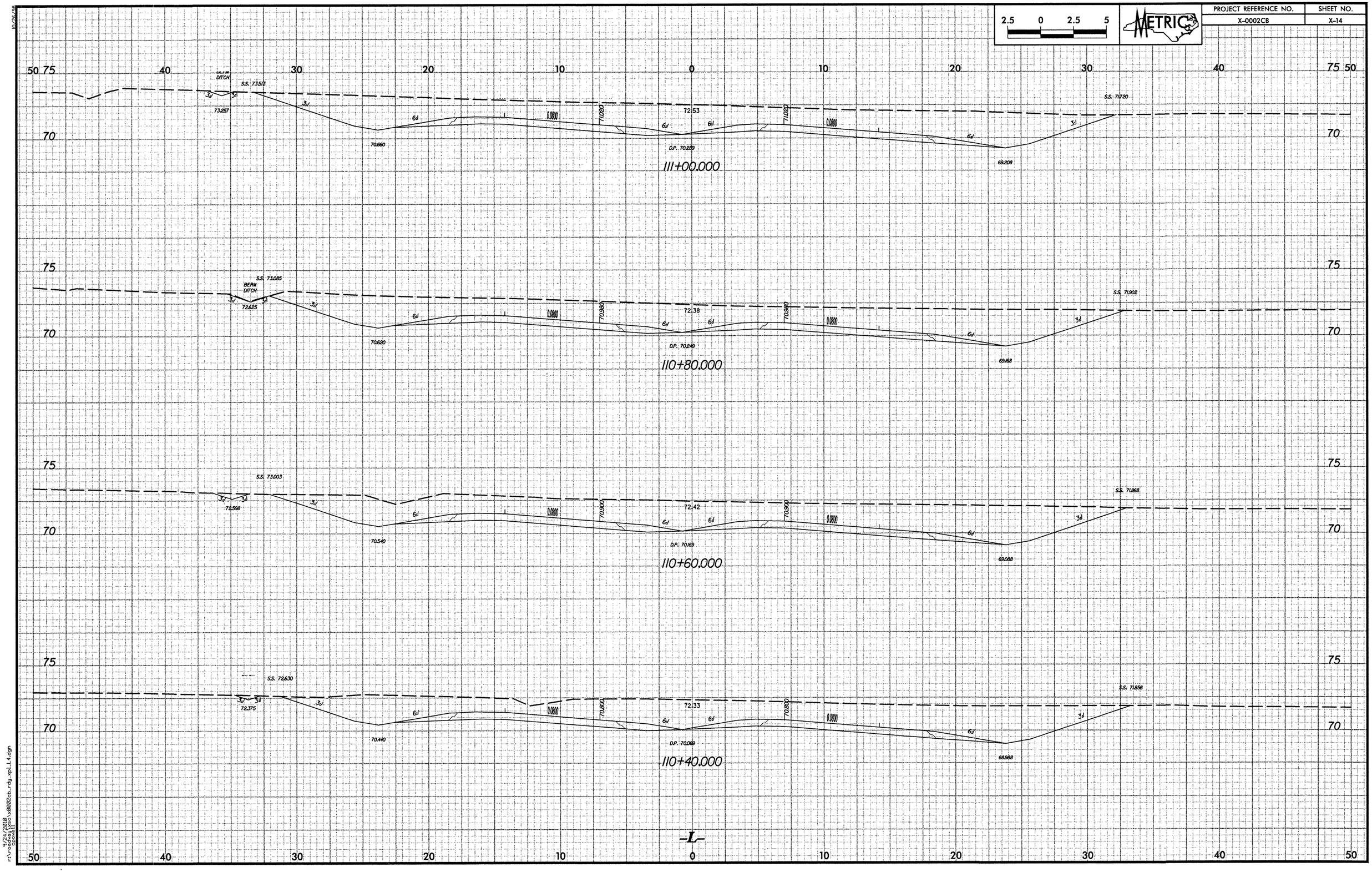
PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-14



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9/24/2010
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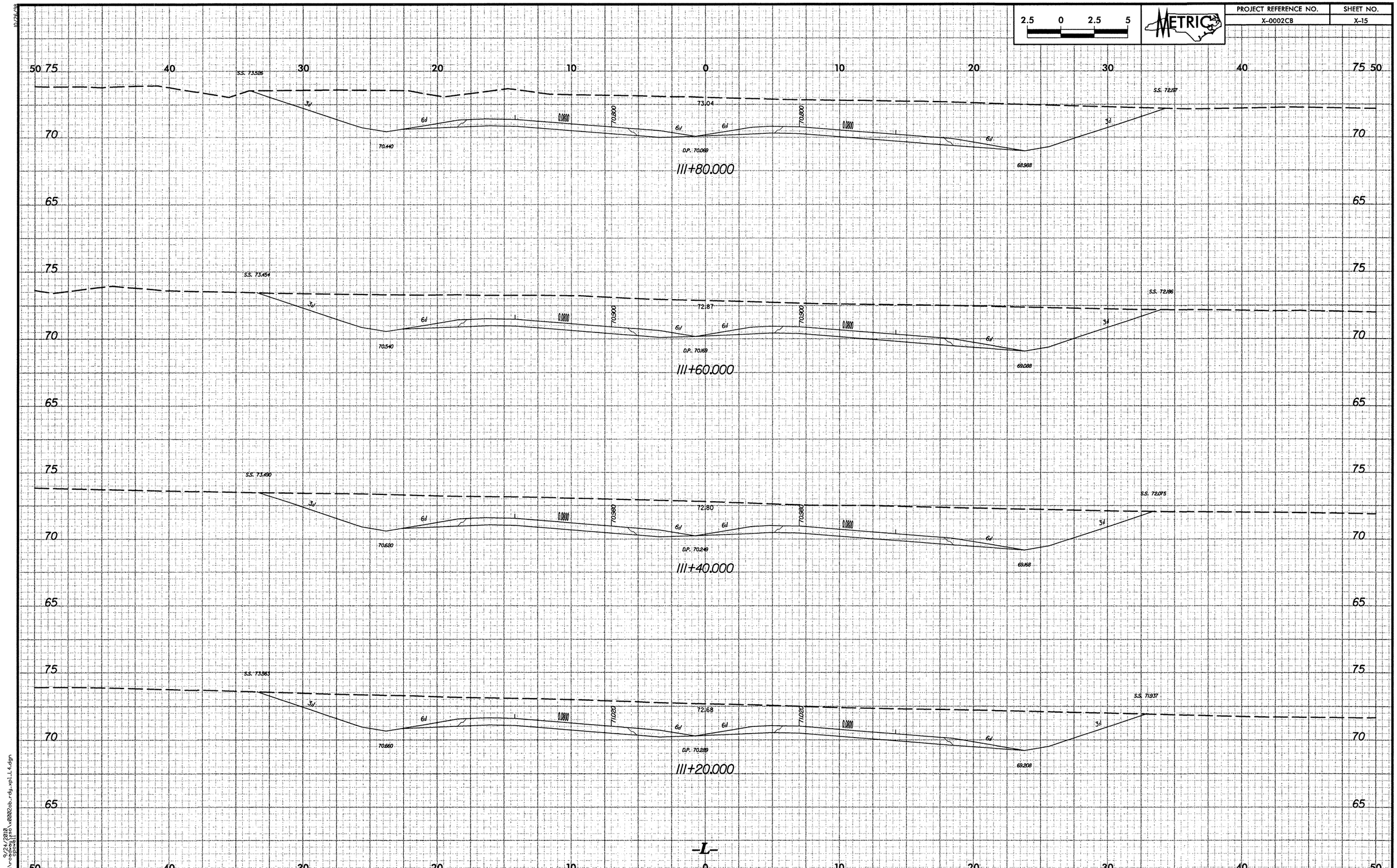
PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-15



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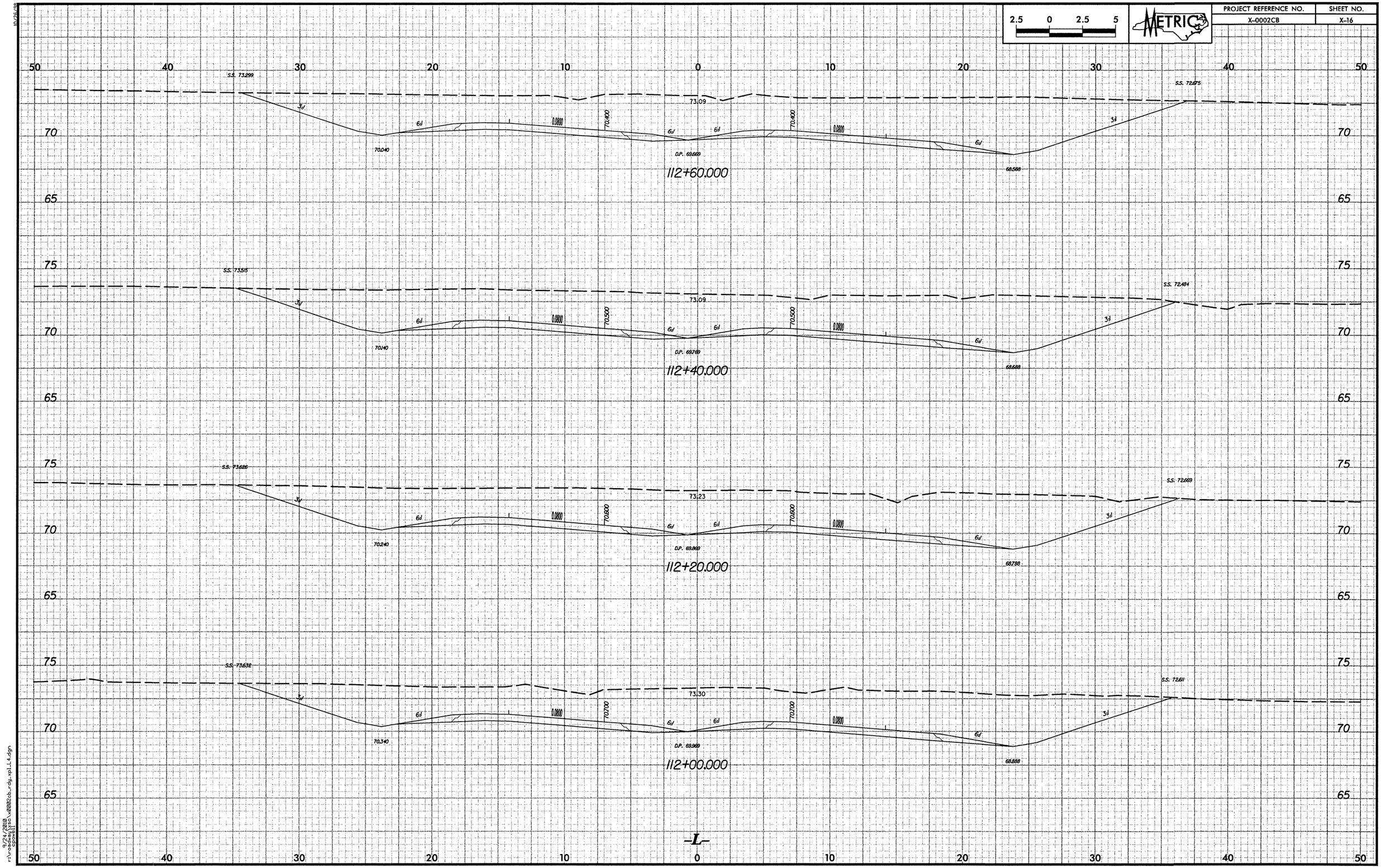
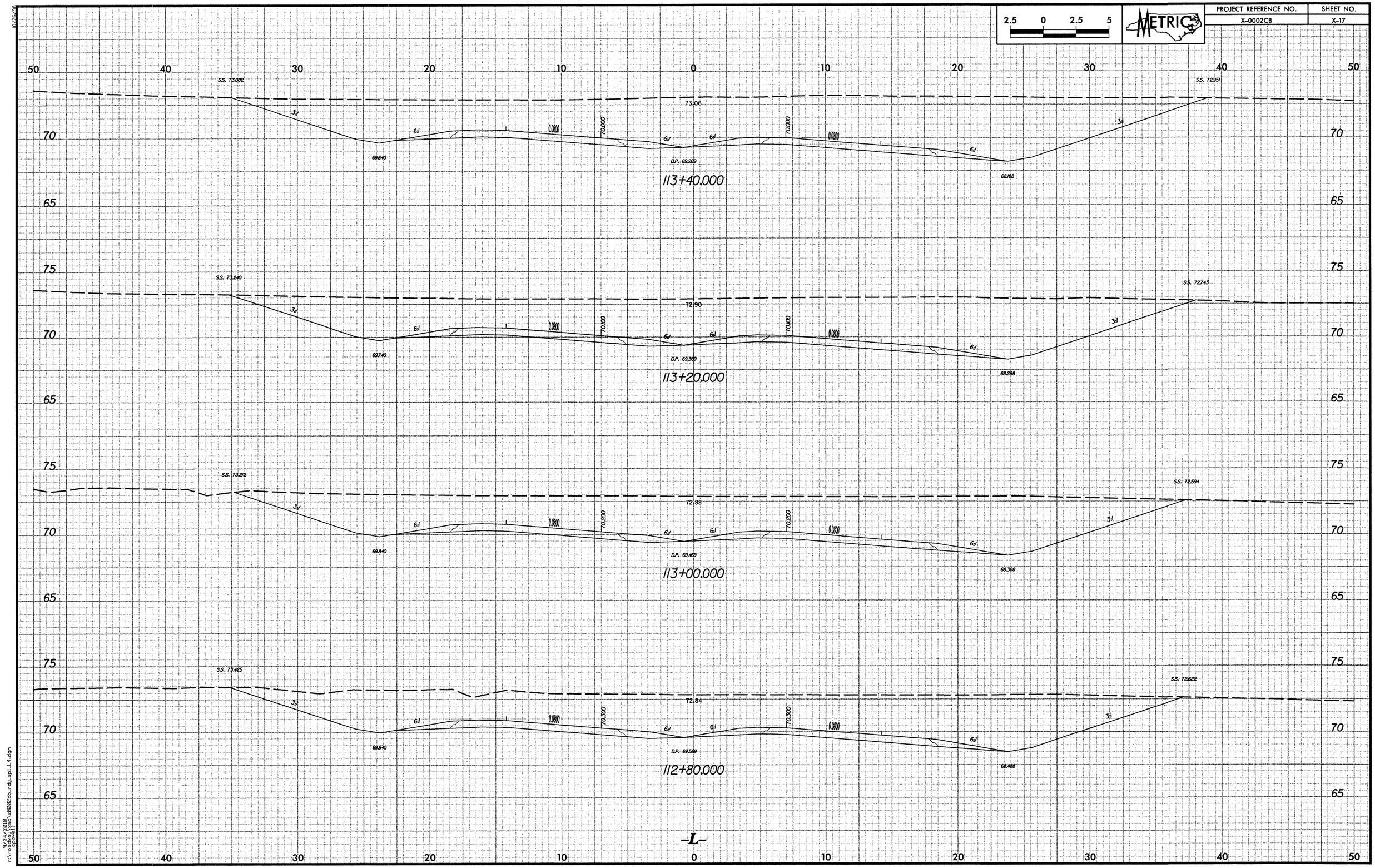
cpowell



PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-16
2.5 0 2.5 5
METRIC
S.S. 73.299
73.09
70.040
D.P. 69.669
68.588
S.S. 72.675
112+60.000
S.S. 73.515
73.09
70.140
D.P. 69.769
68.688
S.S. 72.484
112+40.000
S.S. 73.686
73.23
70.240
D.P. 69.869
68.788
S.S. 72.669
112+20.000
S.S. 73.632
73.30
70.340
D.P. 69.969
68.888
S.S. 72.611
112+00.000
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-17



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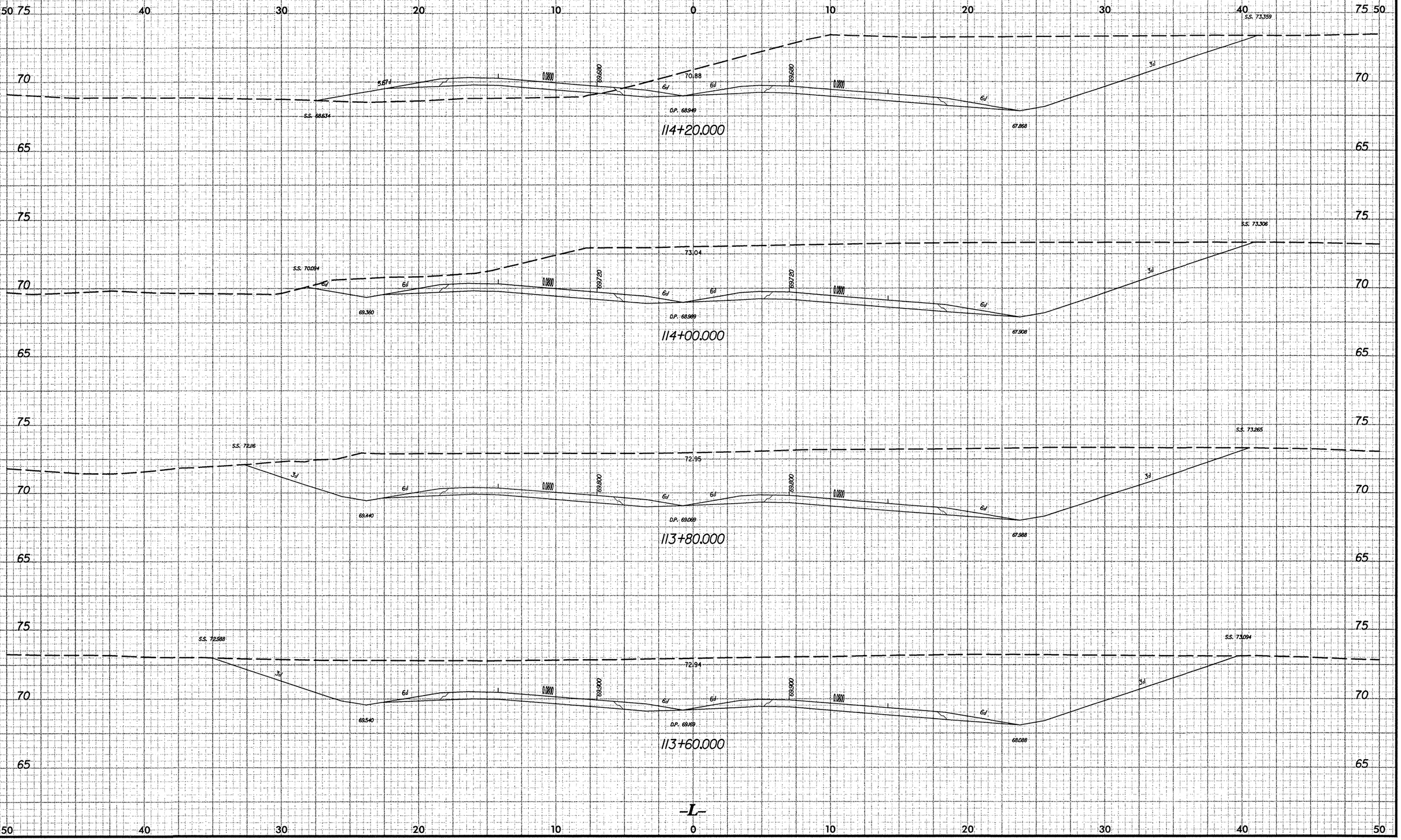
PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-18



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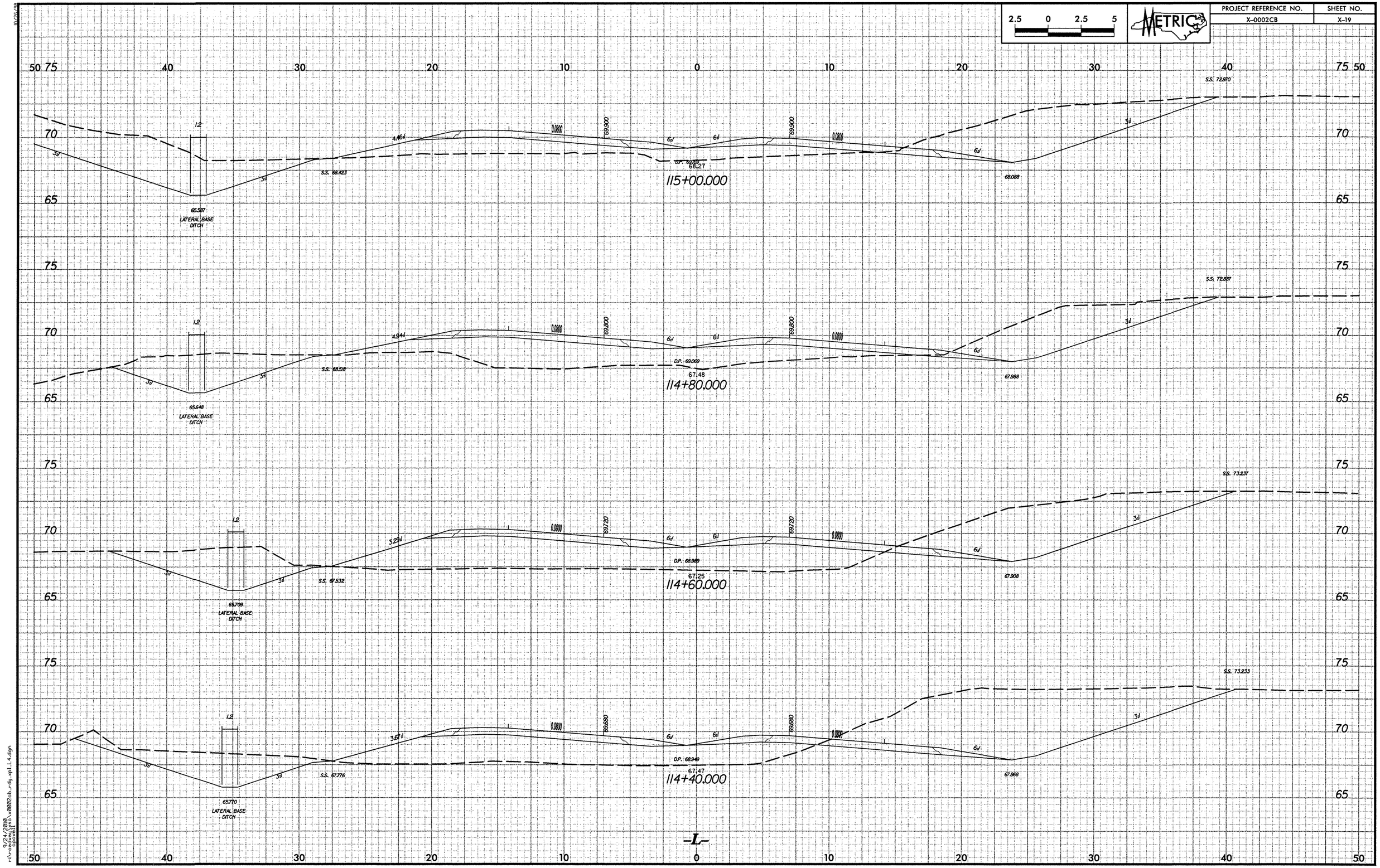
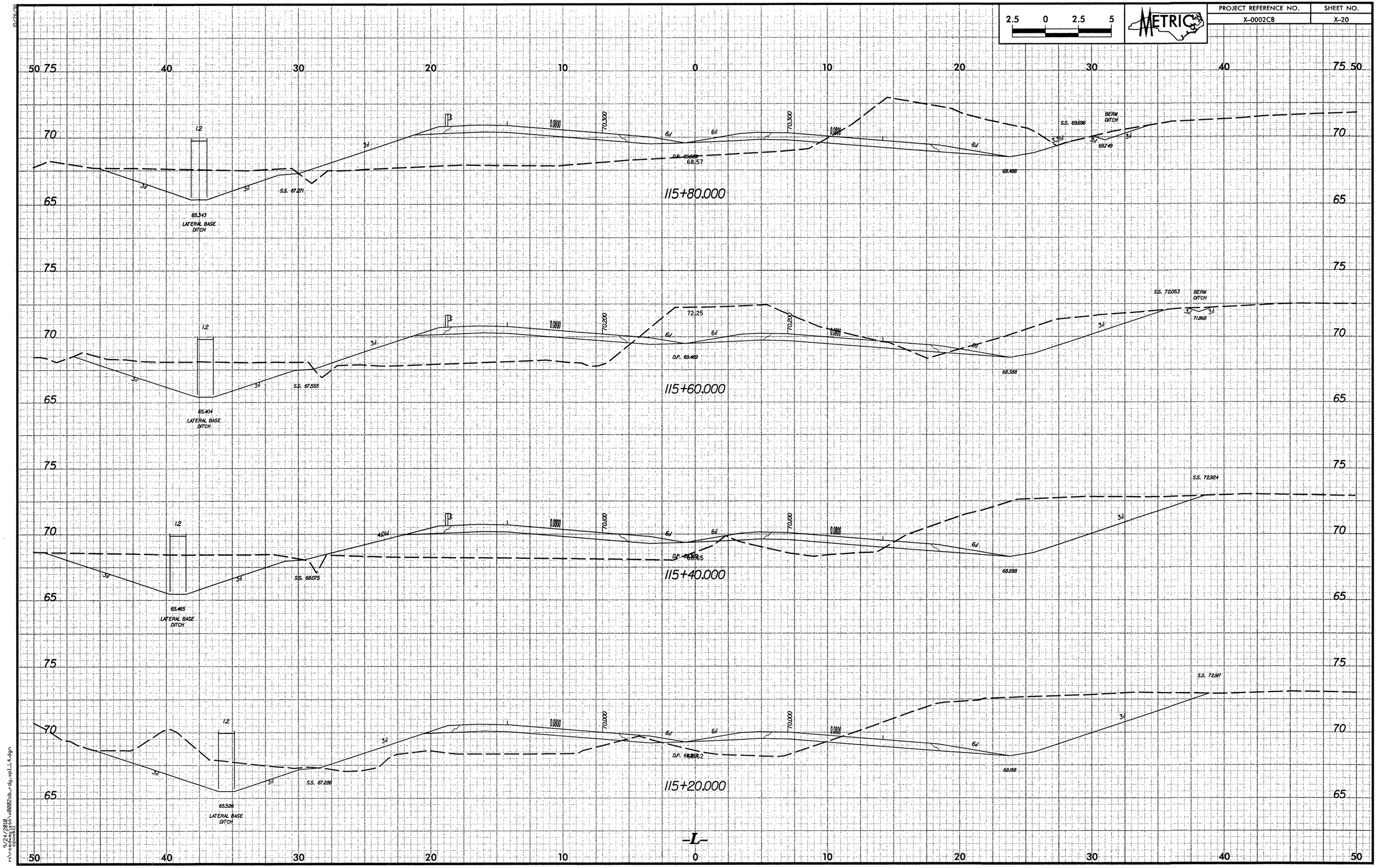
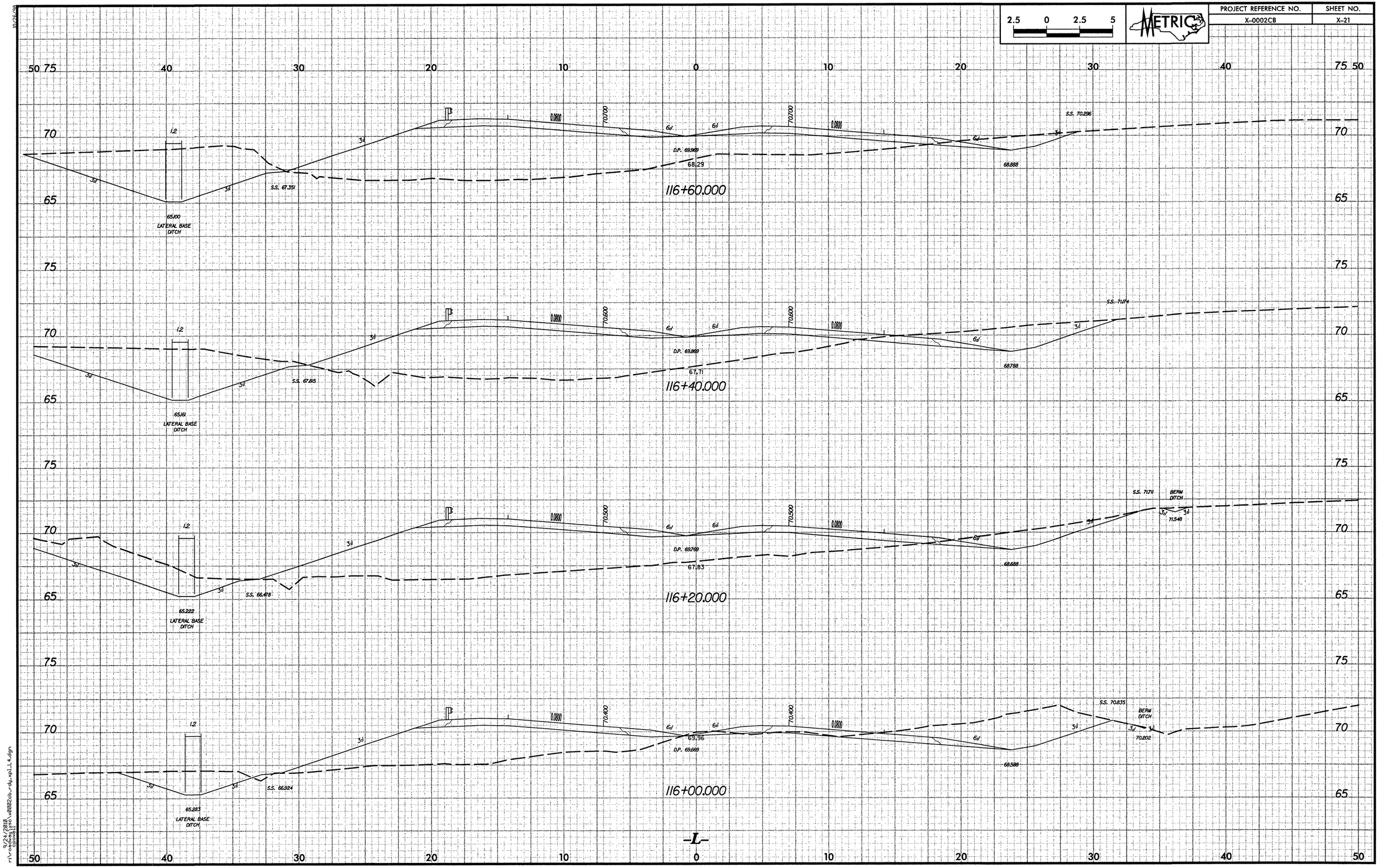
cpowell



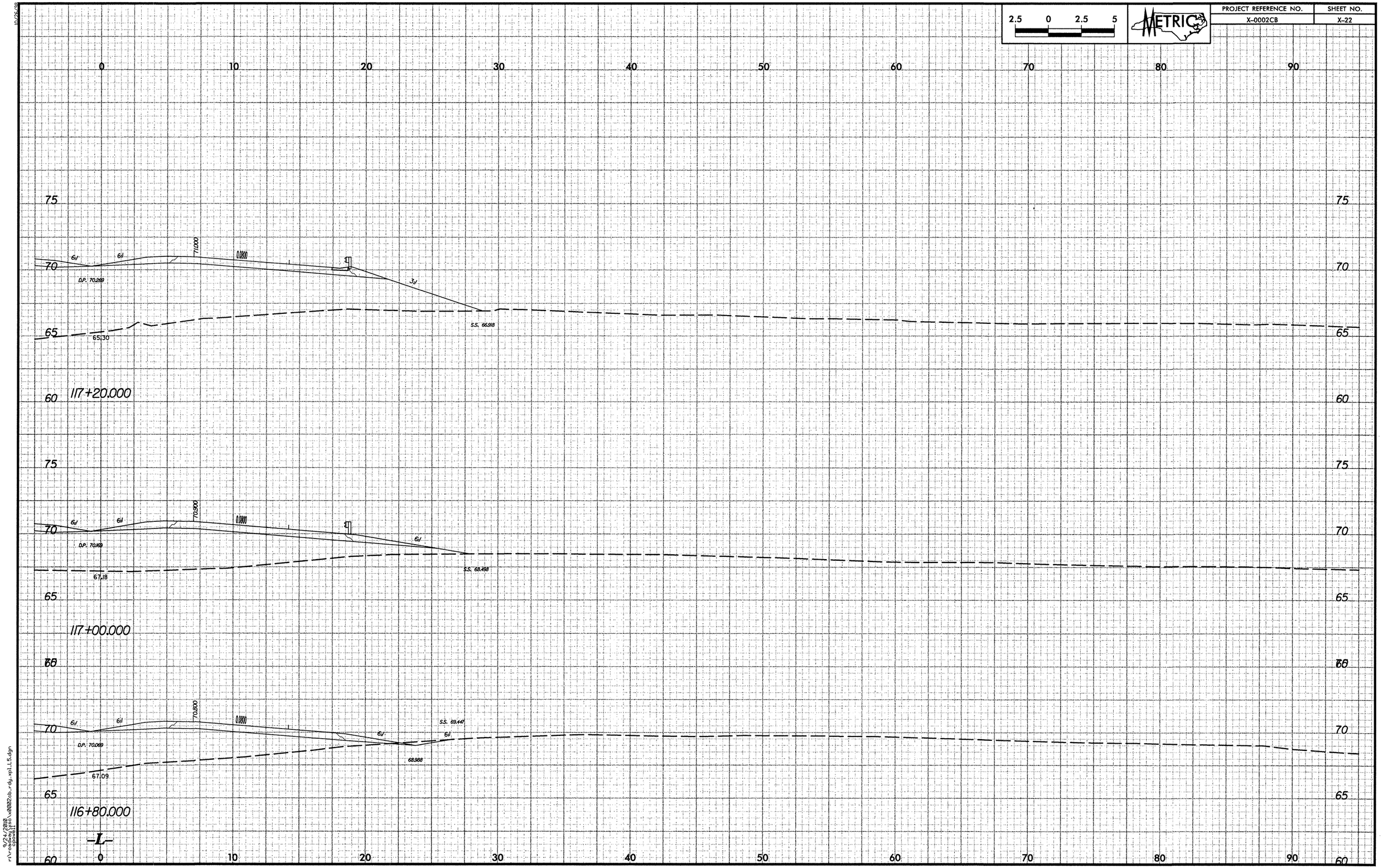
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-19
METRIC
2.5 0 2.5 5
115+00.000
114+80.000
114+60.000
114+40.000
-L-
LATERAL BASE DITCH



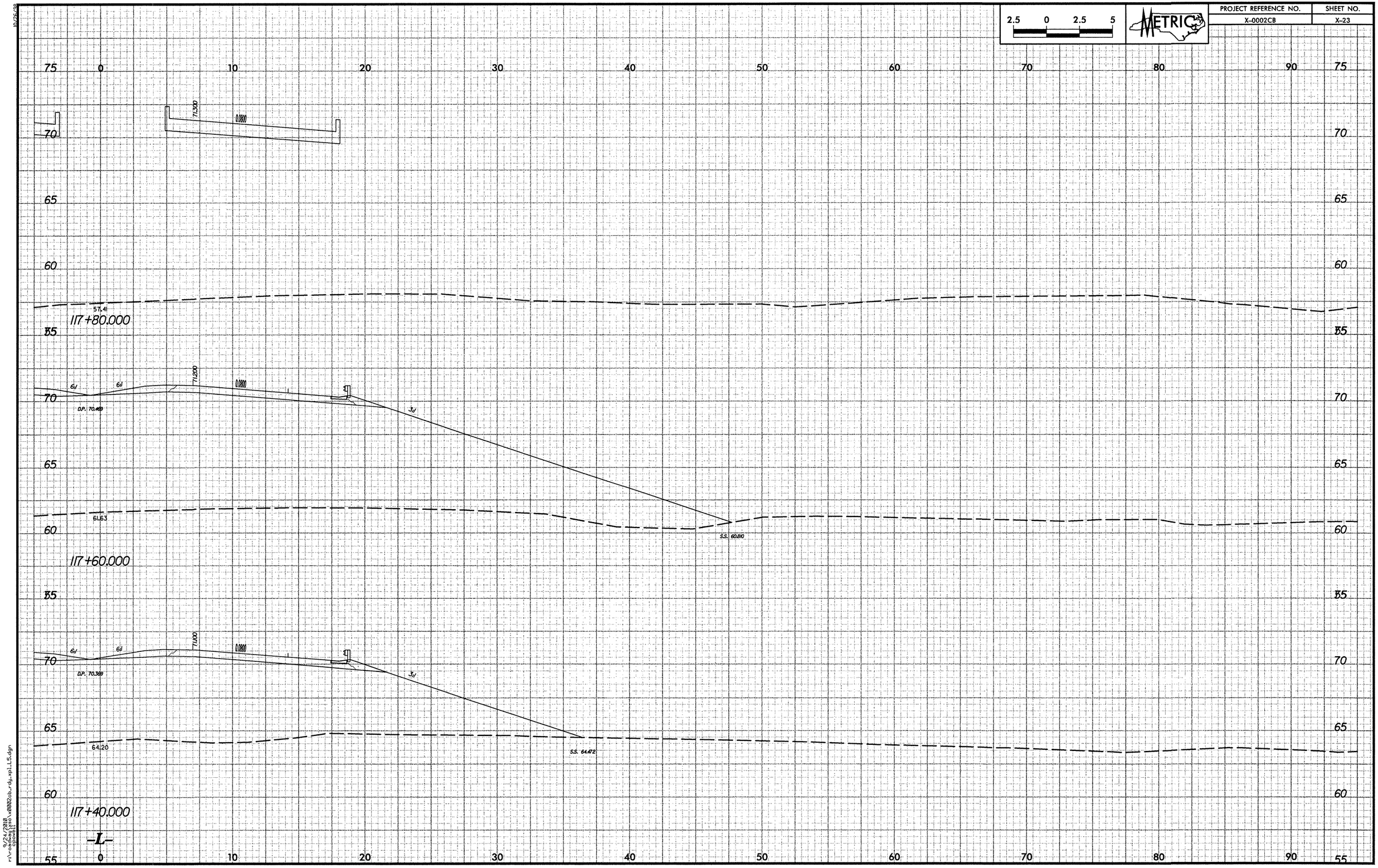
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-20
2.5 0 2.5 5
METRIC
115+80.000
115+60.000
115+40.000
115+20.000
-L-
LATERAL BASE DITCH
BERM DITCH
S.S. 67.271
S.S. 67.555
S.S. 68.075
S.S. 67.286
S.S. 69.696
S.S. 72.053
S.S. 72.924
S.S. 72.917
D.P. 69.469
D.P. 68.162
65.343
65.404
65.465
65.526
68.157
68.488
69.749
72.25
68.388
71.868
68.288
68.188
70.300
70.200
70.100
70.000
0.0800
1:2
3:1
6:1



PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-21
METRIC
2.5 0 2.5 5
116+60.000
116+40.000
116+20.000
116+00.000
-L-
65.100
LATERAL BASE DITCH
65.161
LATERAL BASE DITCH
65.222
LATERAL BASE DITCH
65.283
LATERAL BASE DITCH
S.S. 67.351
S.S. 67.815
S.S. 66.478
S.S. 66.924
S.S. 70.296
S.S. 71.174
S.S. 71.711
S.S. 70.835
BERM DITCH
D.P. 69.969
D.P. 69.869
D.P. 69.769
D.P. 69.669
68.29
67.71
67.83
69.96
68.888
68.788
68.688
68.588
71.548
70.202
0.0800
70.700
70.600
70.500
70.400



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-22
0 10 20 30 40 50 60 70 80 90
75
70
65
60
6:1
6:1
71.000
0.0800
D.P. 70.269
3:1
S.S. 66.918
65.30
117+20.000
70.900
D.P. 70.169
67.18
S.S. 68.498
117+00.000
70.800
S.S. 69.447
D.P. 70.069
68.988
67.09
116+80.000
-L-



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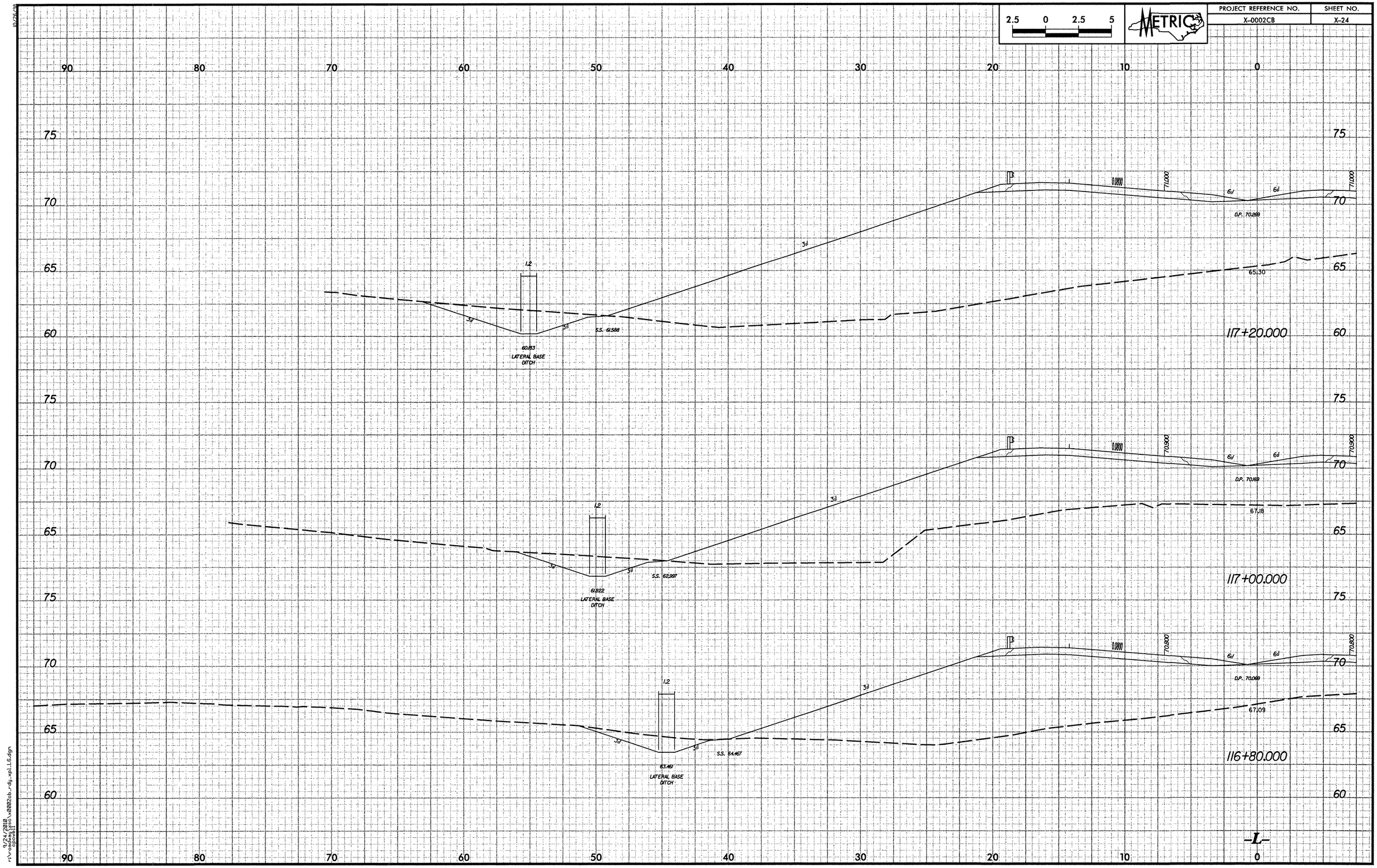
cpowell

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-24



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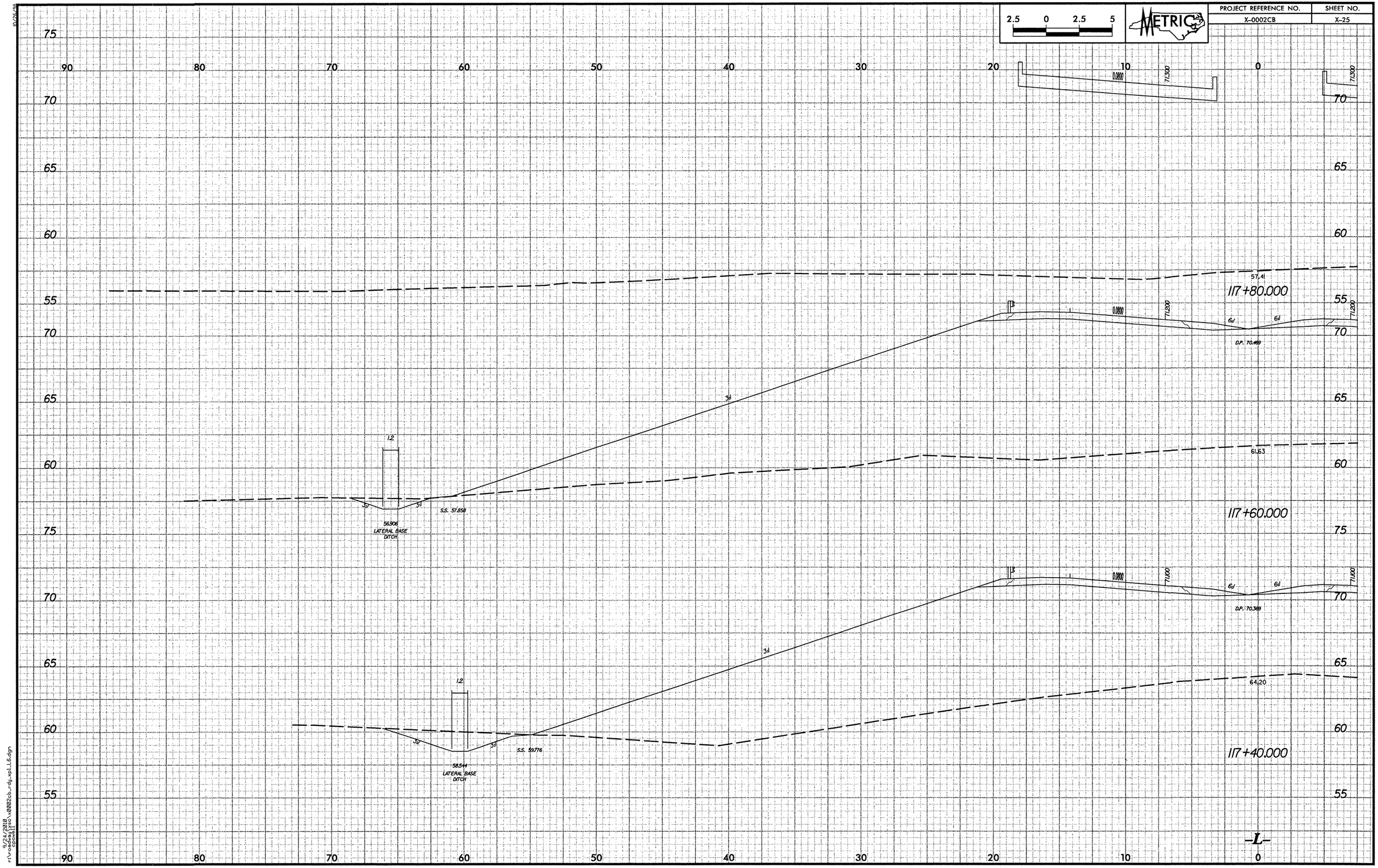
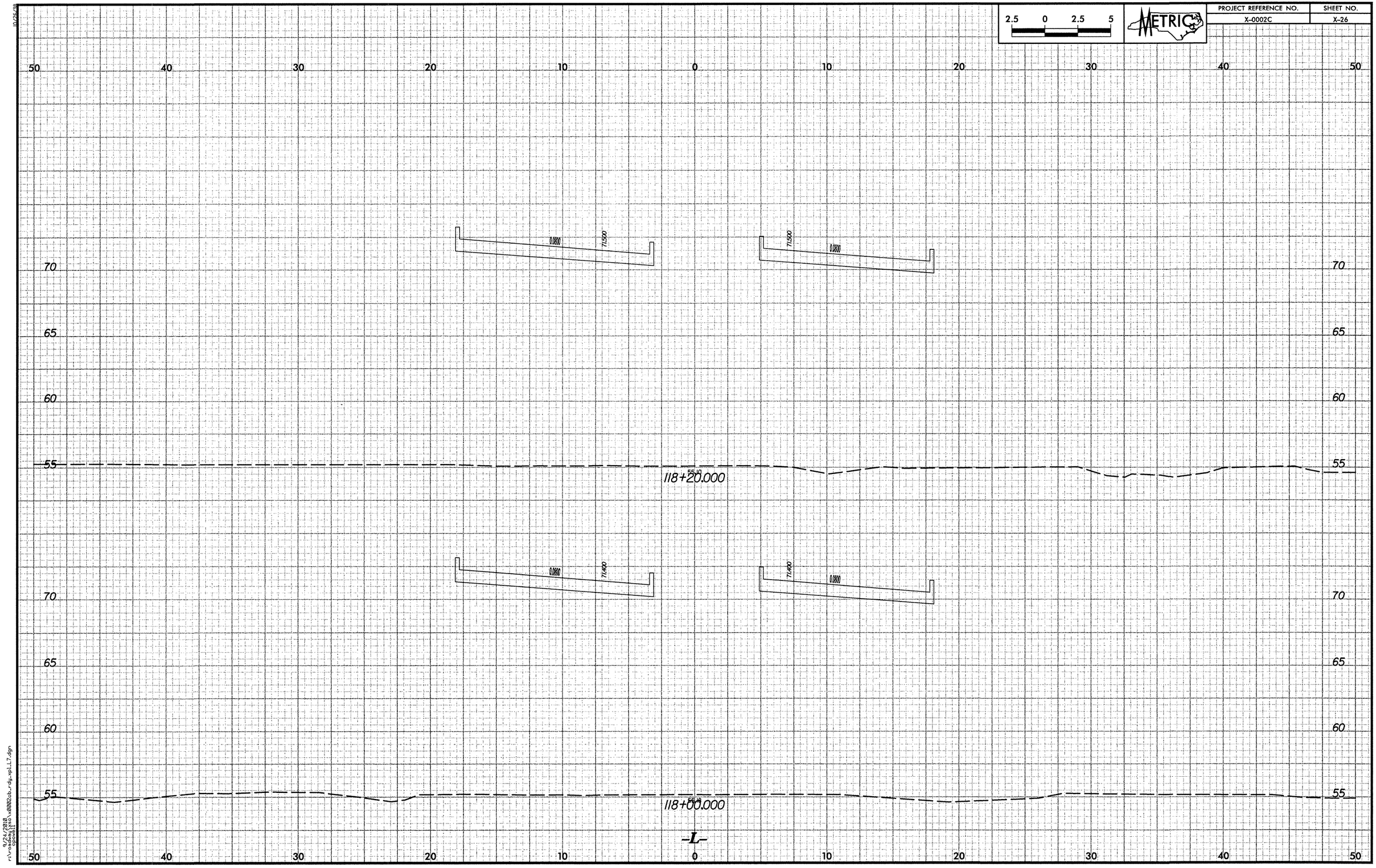
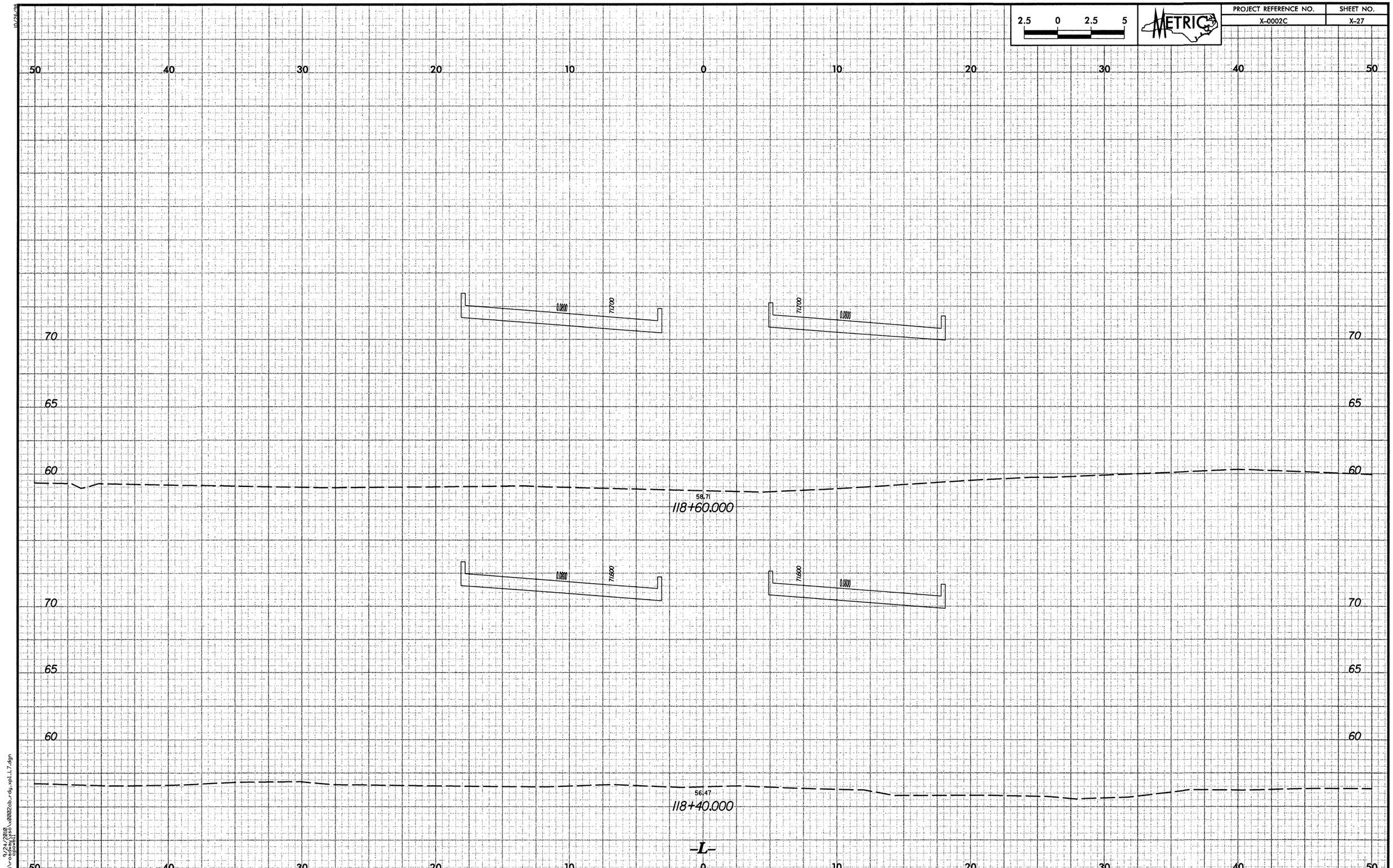
cpowell

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-25



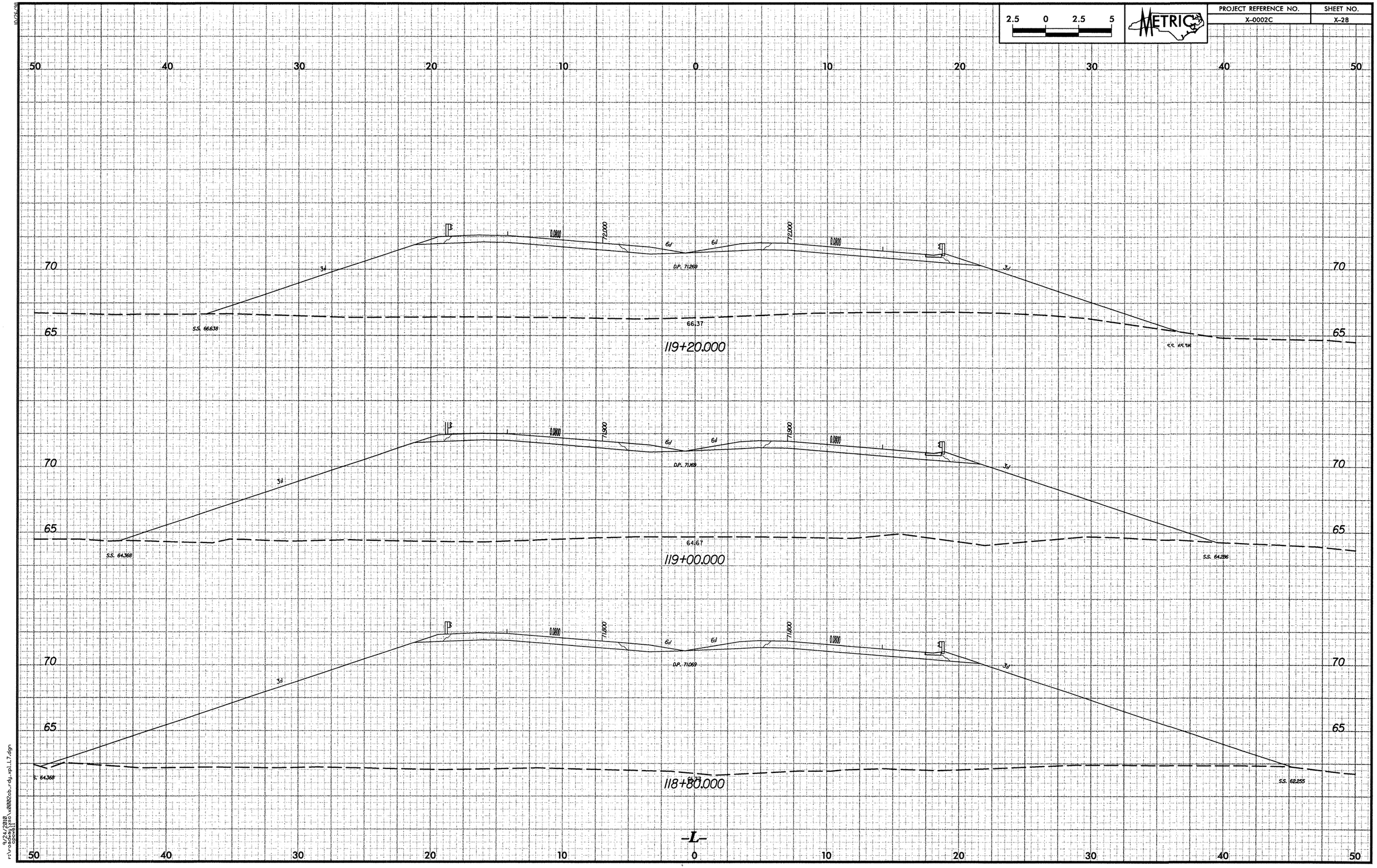


2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002C
SHEET NO.
X-26
50 40 30 20 10 0 10 20 30 40 50
70
65
60
55
0.0800
71.500
71.500
0.0800
118+20.000
0.0800
71.400
71.400
0.0800
118+00.000
-L-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002C
SHEET NO.
X-27
50 40 30 20 10 0 10 20 30 40 50
70
65
60
0.0800
71.700
71.700
0.0800
58.71
118+60.000
0.0800
71.500
71.500
0.0800
56.47
118+40.000
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002C	X-28



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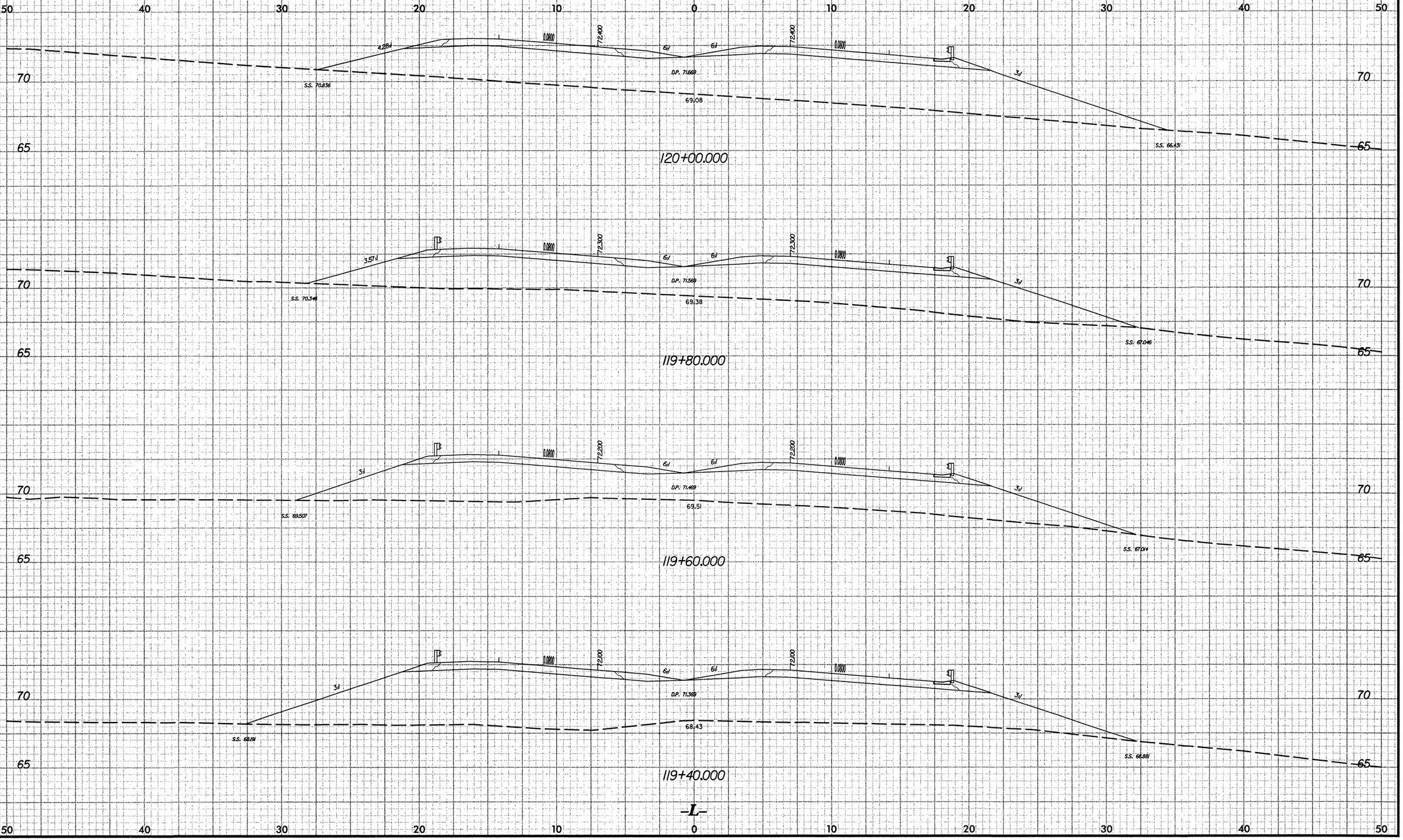
PROJECT REFERENCE NO.	SHEET NO.
X-0002C	X-29



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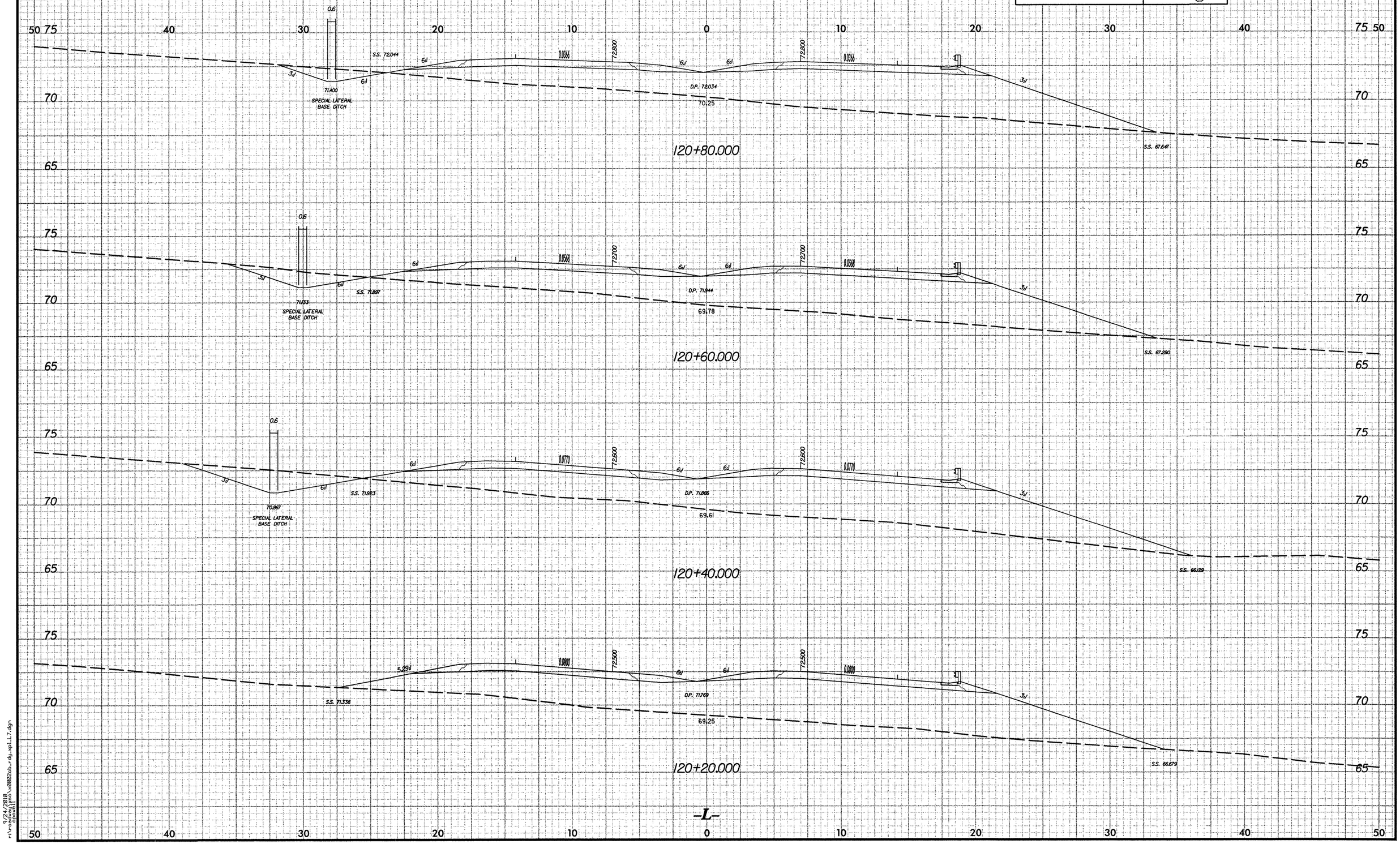
cpowell

PROJECT REFERENCE NO.	SHEET NO.
X-0002C	X-30



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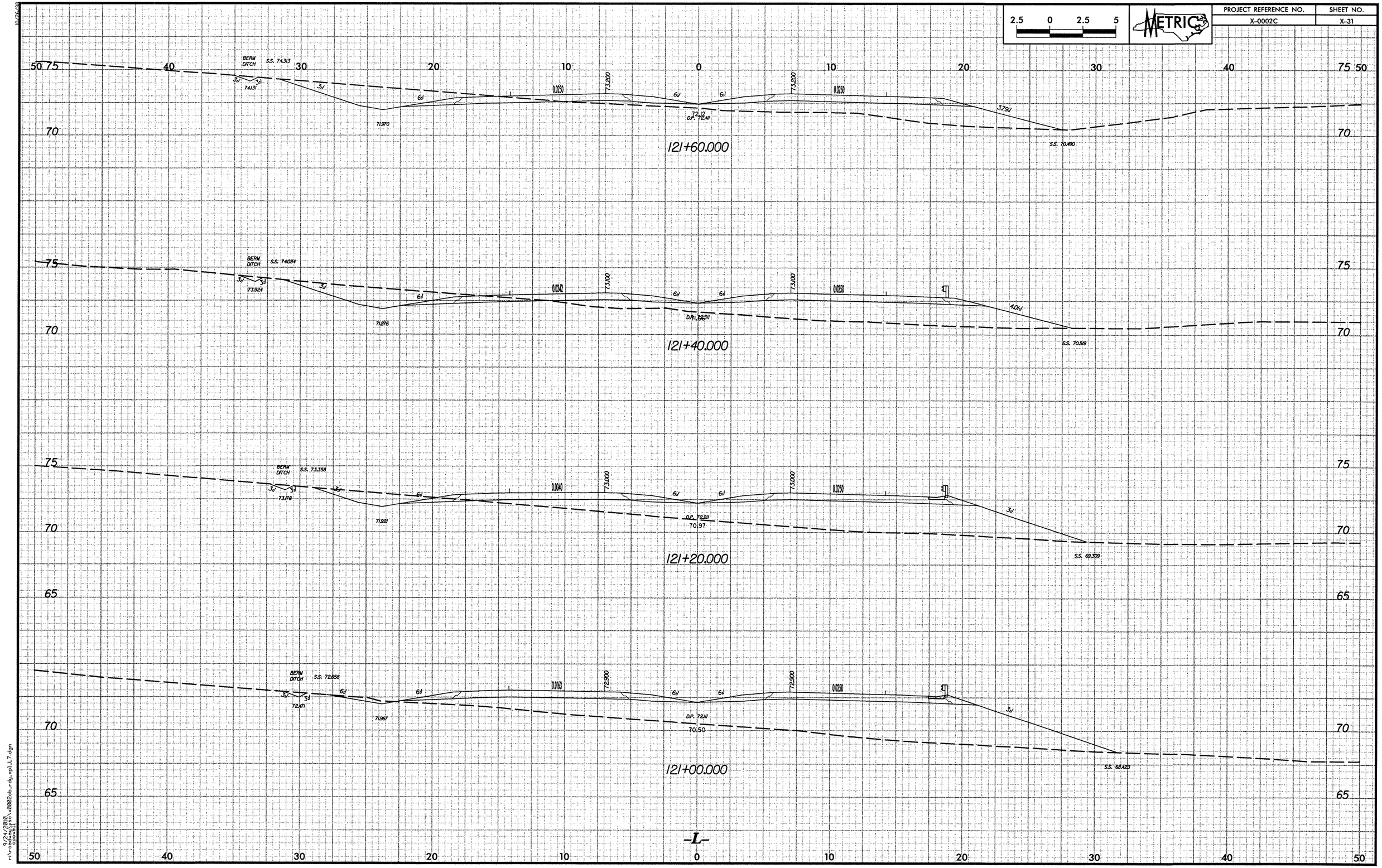
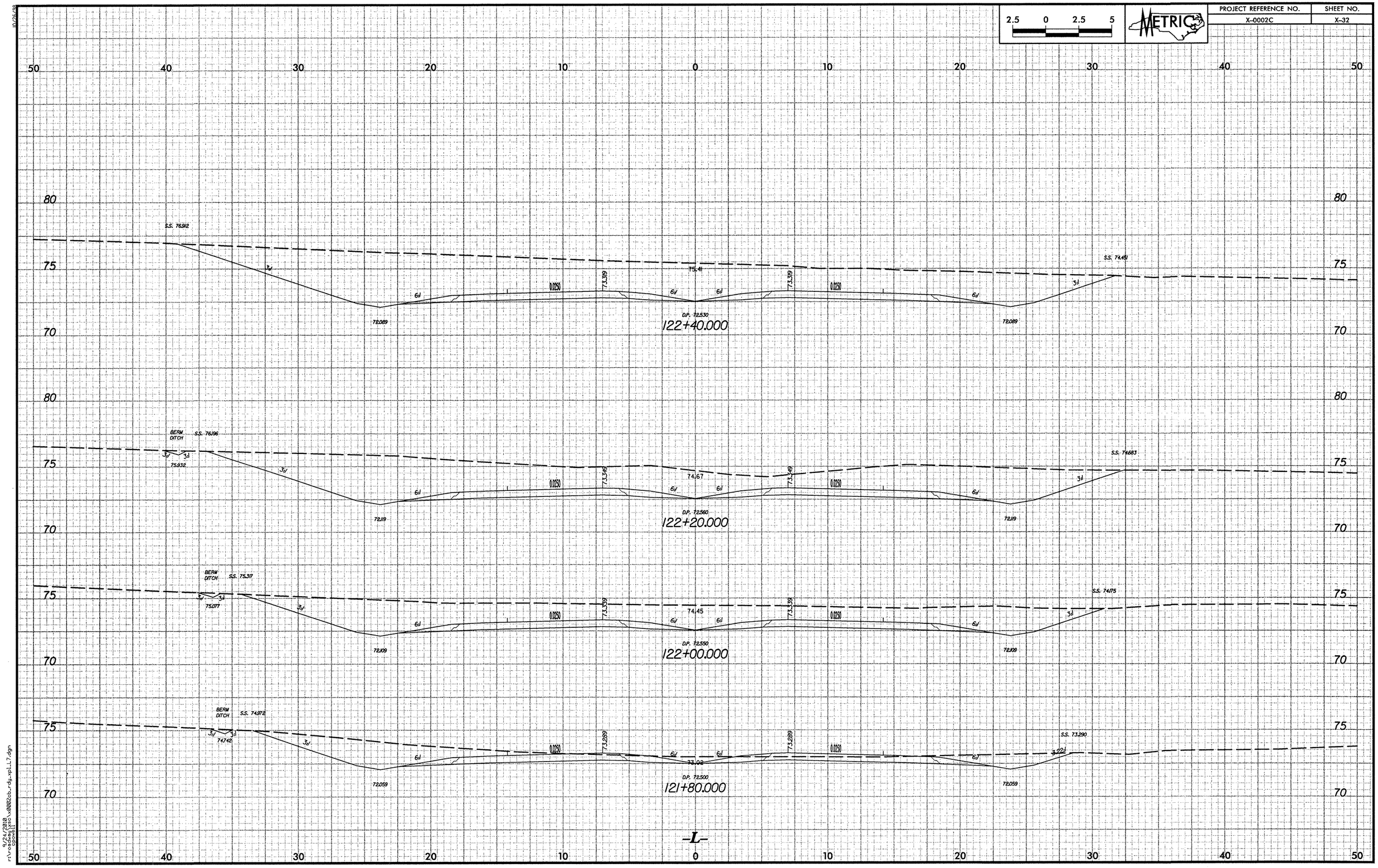
cpowell



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002C
SHEET NO.
X-31
121+60.000
121+40.000
121+20.000
121+00.000
BERM DITCH
S.S. 74.313
S.S. 70.490
S.S. 74.084
S.S. 70.519
S.S. 73.358
S.S. 69.309
S.S. 72.658
S.S. 68.423
D.P. 72.111
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002C	X-32



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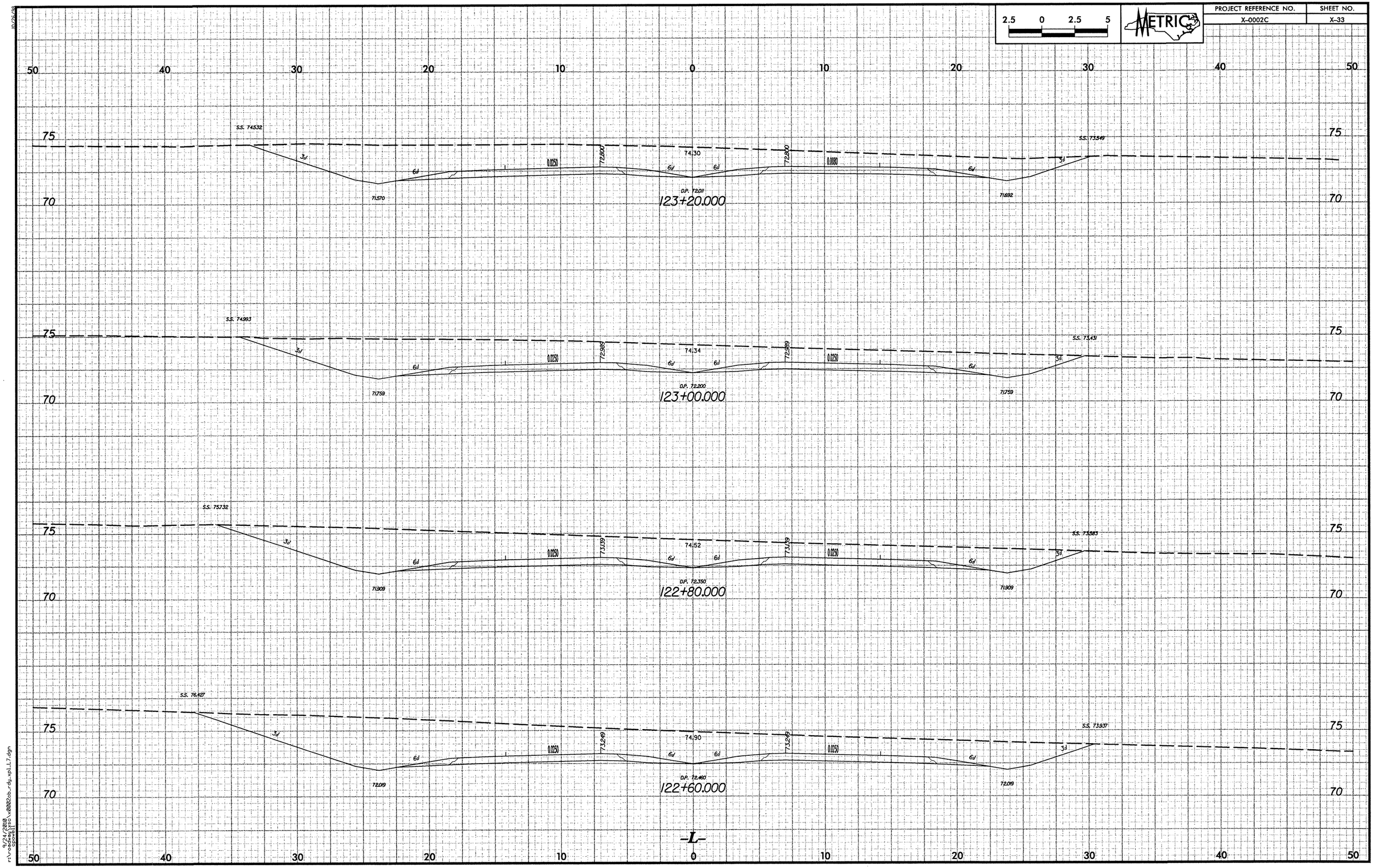
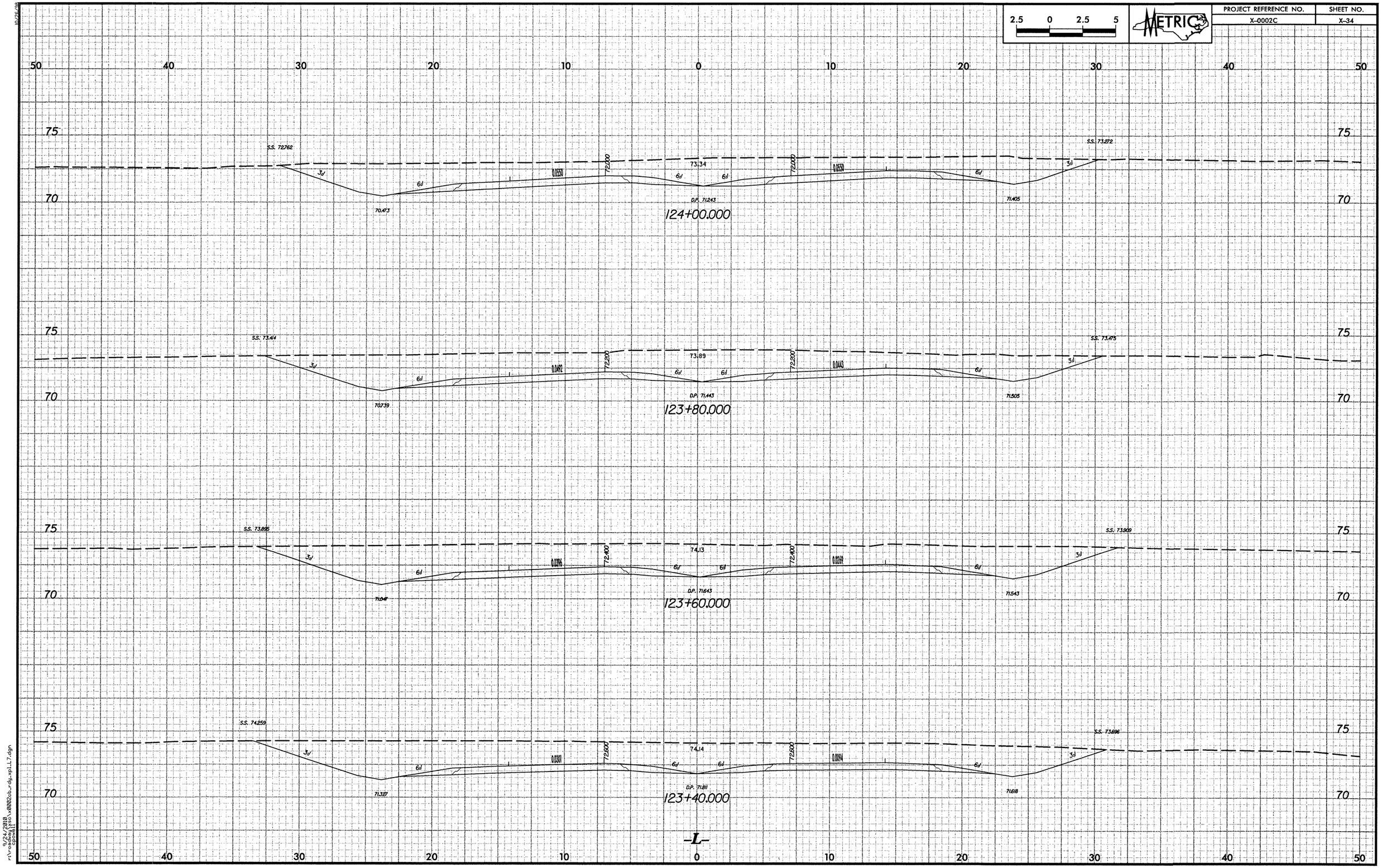
cpowell



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002C
SHEET NO.
X-33
50 40 30 20 10 0 10 20 30 40 50
75
70
S.S. 74.532
S.S. 73.549
74.30
0.0250
0.0080
72.800
71.570
71.692
D.P. 72.011
123+20.000
S.S. 74.993
S.S. 73.431
74.34
72.989
71.759
D.P. 72.200
123+00.000
S.S. 75.732
S.S. 73.583
74.52
73.139
71.909
D.P. 72.350
122+80.000
S.S. 76.427
S.S. 73.937
74.90
73.249
72.019
D.P. 72.460
122+60.000
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002C	X-34



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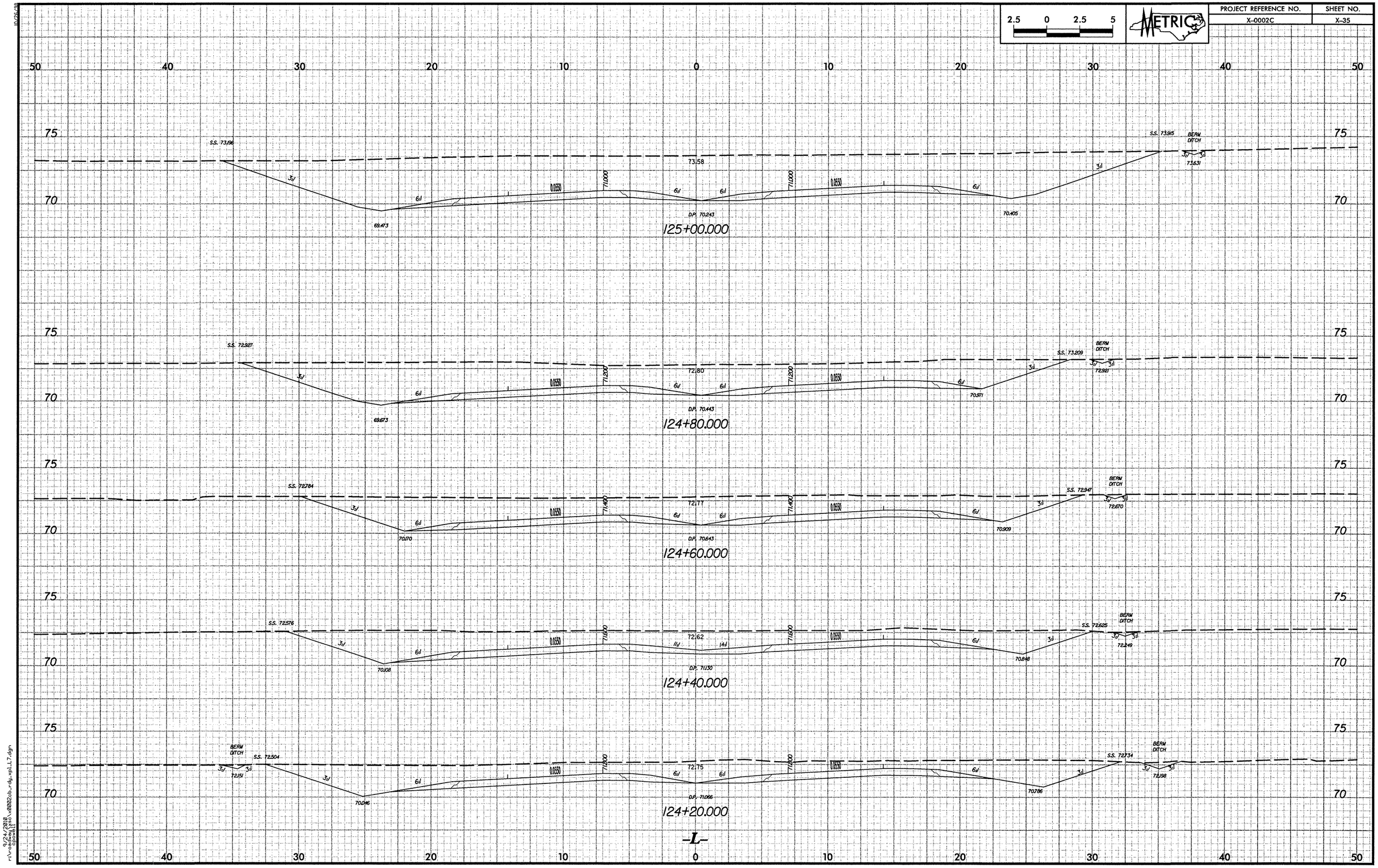
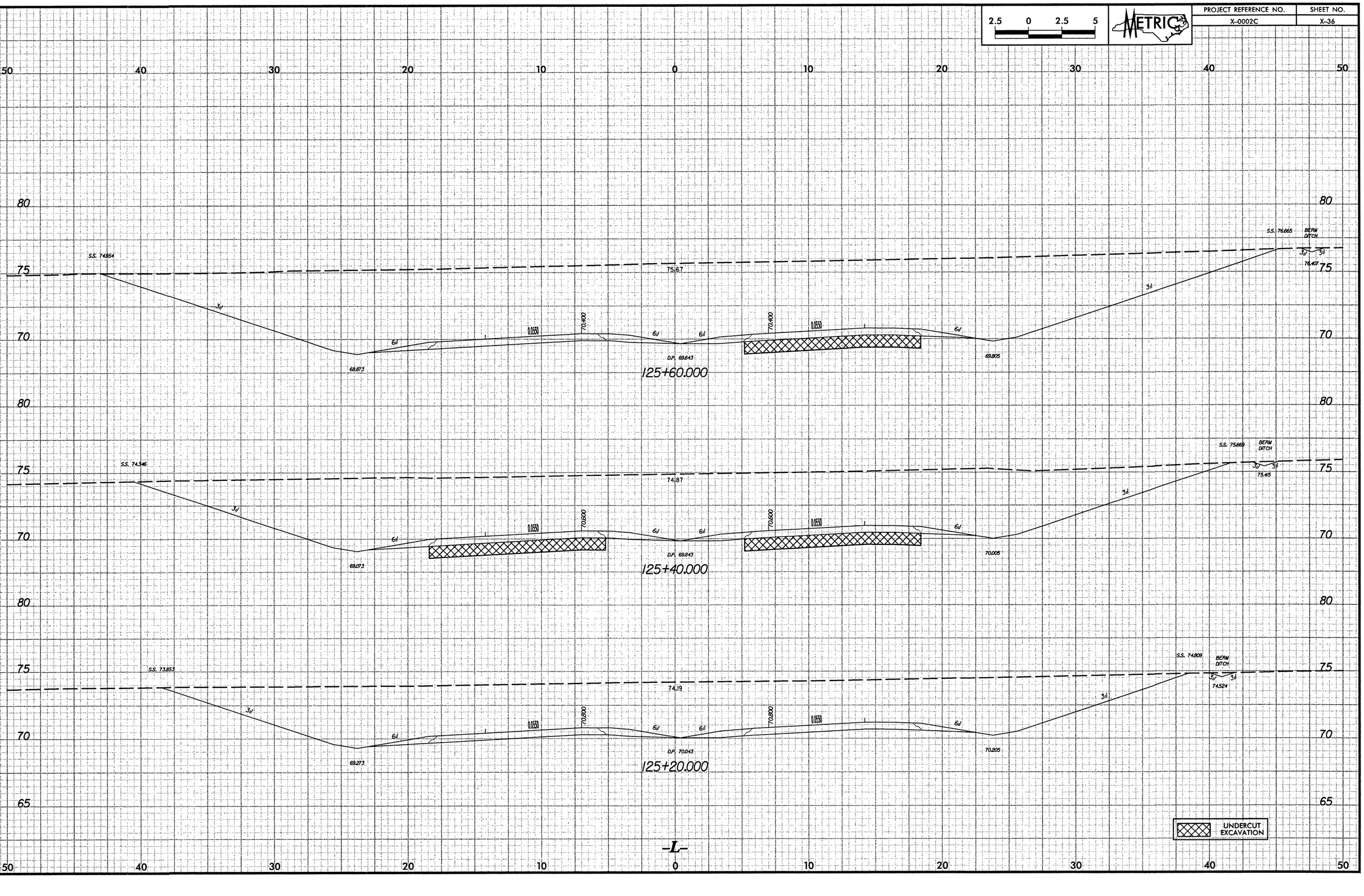
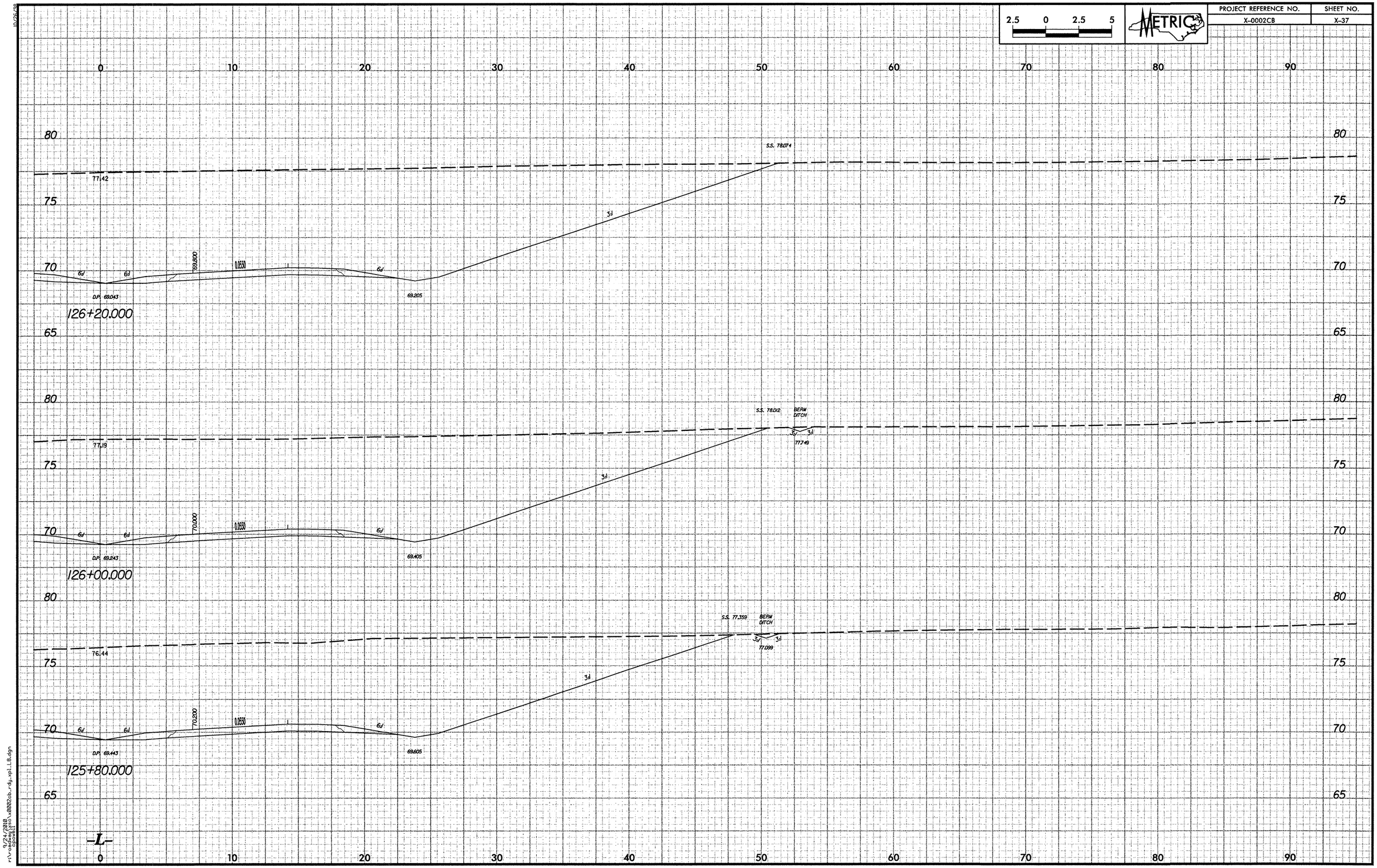
cpowell



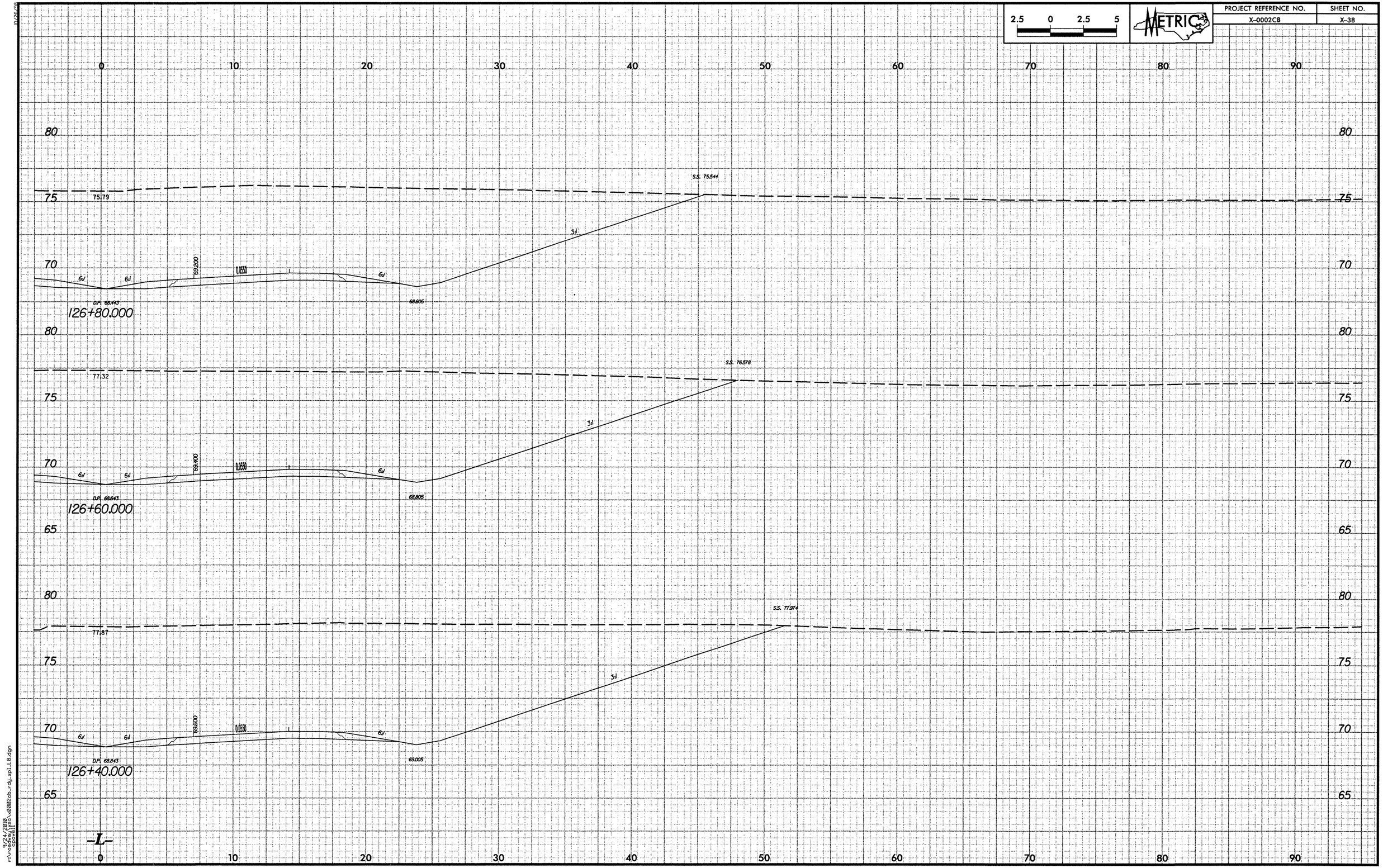
PROJECT REFERENCE NO.
X-0002C
SHEET NO.
X-35
METRIC
2.5 0 2.5 5
125+00.000
124+80.000
124+60.000
124+40.000
124+20.000
-L-
S.S. 73.196
S.S. 73.915
BERM DITCH
73.58
D.P. 70.243
69.473
70.405
73.631
S.S. 72.927
S.S. 73.209
72.80
D.P. 70.443
69.673
70.971
72.921
S.S. 72.784
S.S. 72.947
72.77
D.P. 70.643
70.170
70.909
72.670
S.S. 72.576
S.S. 72.625
72.62
D.P. 71.130
70.108
70.848
72.249
S.S. 72.504
S.S. 72.734
72.75
D.P. 71.066
70.046
70.786
72.151
72.198
0.0550
71.000
71.200
71.400
71.600
71.800
3:1
6:1



PROJECT REFERENCE NO.
X-0002C
SHEET NO.
X-36
METRIC
2.5 0 2.5 5
125+60.000
125+40.000
125+20.000
S.S. 74.954
S.S. 76.665
BERM DITCH
75.67
76.407
68.873
69.805
D.P. 69.643
S.S. 74.346
S.S. 75.669
74.87
75.415
69.073
70.005
D.P. 69.843
S.S. 73.853
S.S. 74.809
74.19
74.524
69.273
70.205
D.P. 70.043
0.0550
70.400
70.600
70.800
UNDERCUT EXCAVATION
-L-



PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-37
2.5 0 2.5 5
METRIC
0 10 20 30 40 50 60 70 80 90
80 75 70 65
S.S. 78.074
77.42
3:1
6:1
69.800
0.0550
D.P. 69.043
69.205
126+20.000
S.S. 78.012
BERM DITCH
77.749
77.19
70.000
D.P. 69.243
69.405
126+00.000
S.S. 77.359
77.099
76.44
70.200
D.P. 69.443
69.605
125+80.000
-L-



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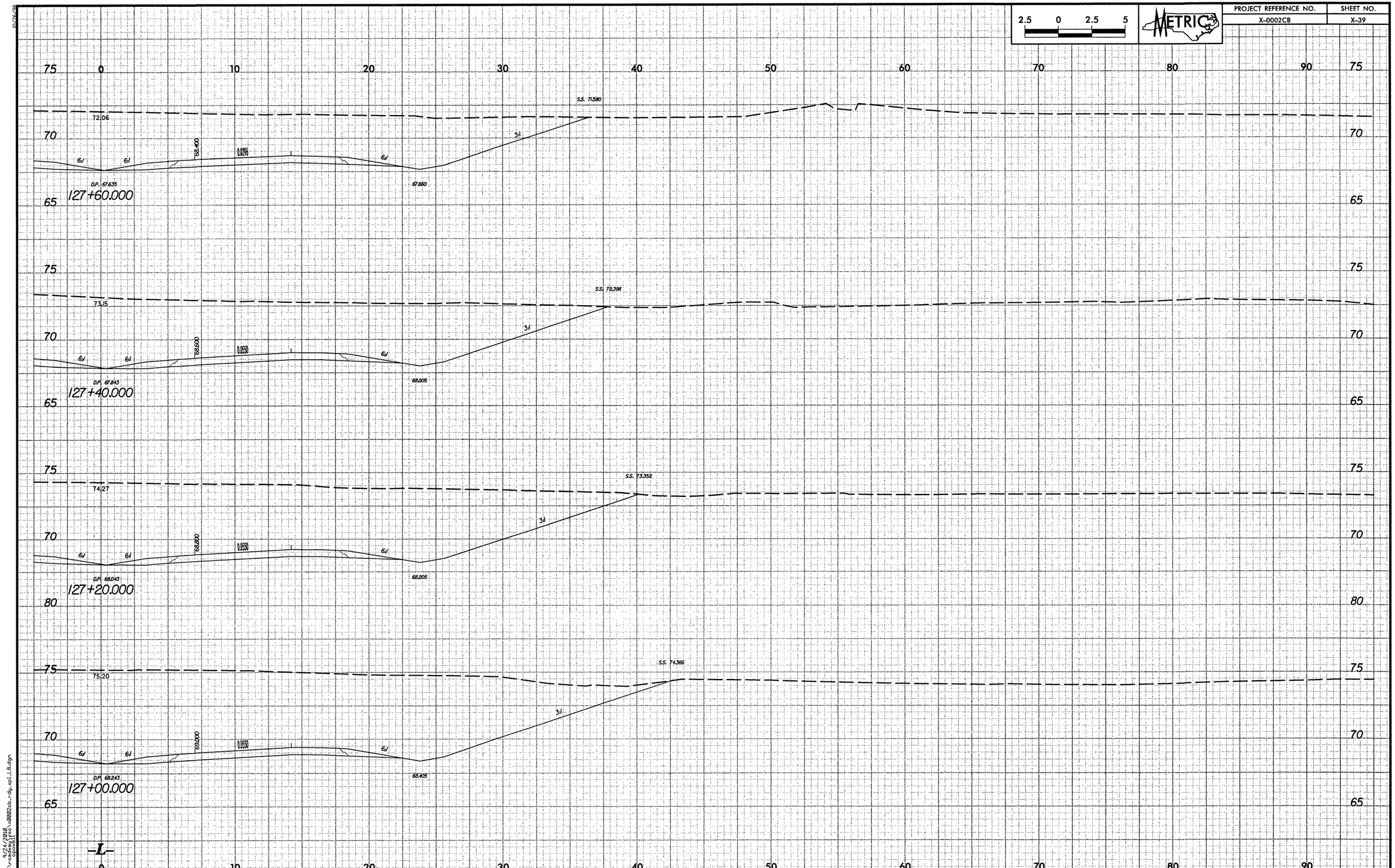
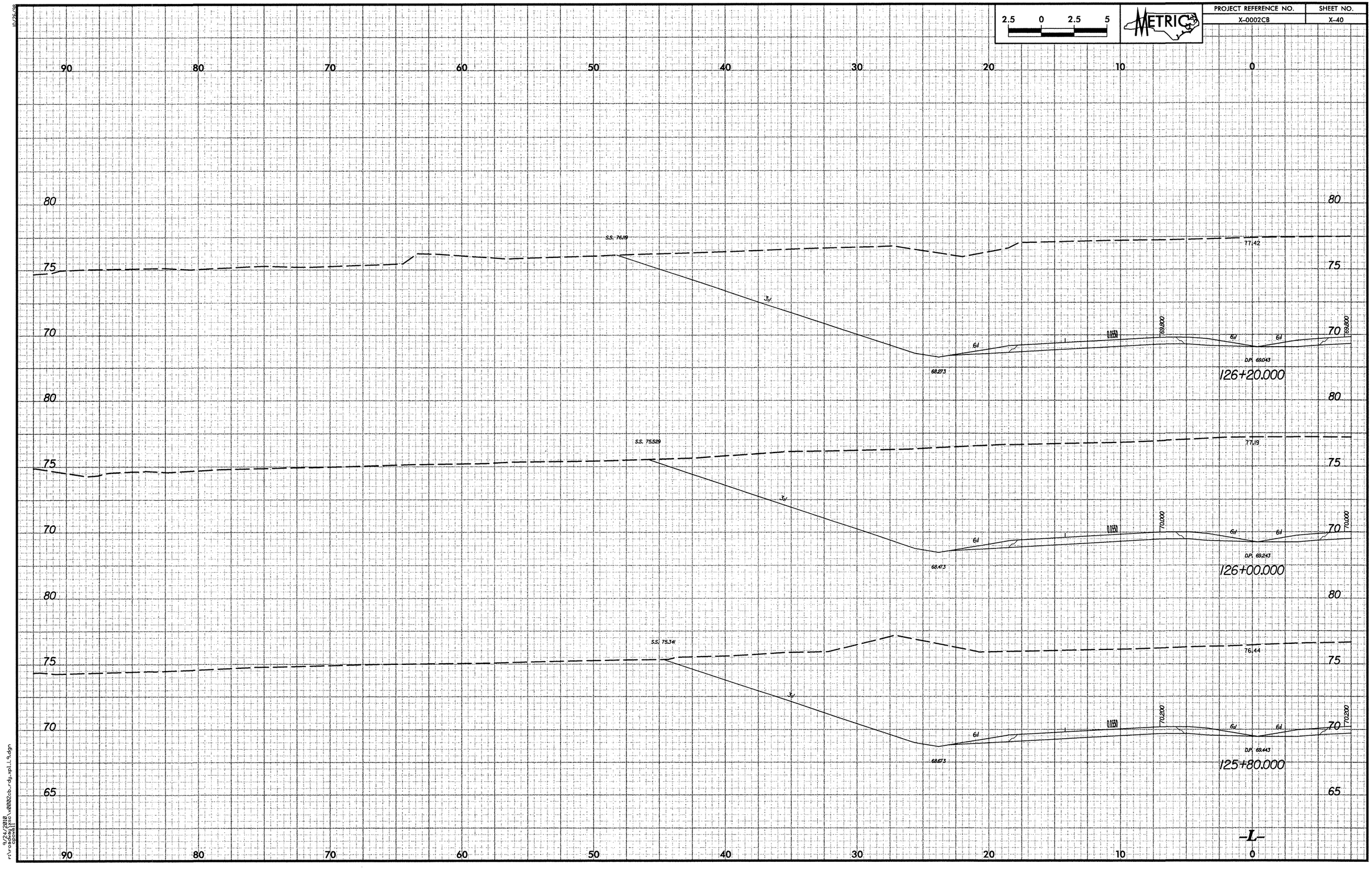
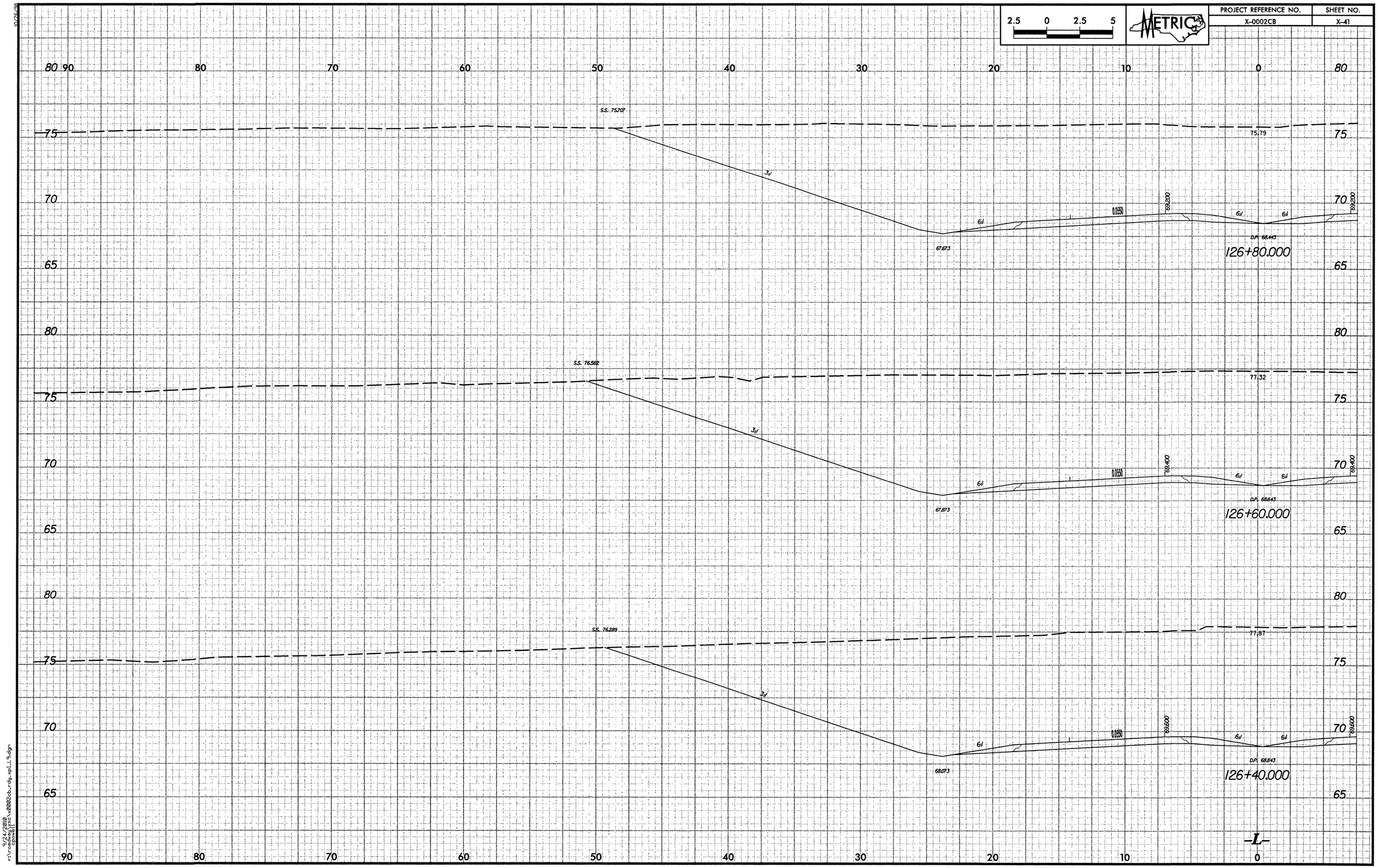
cpowell



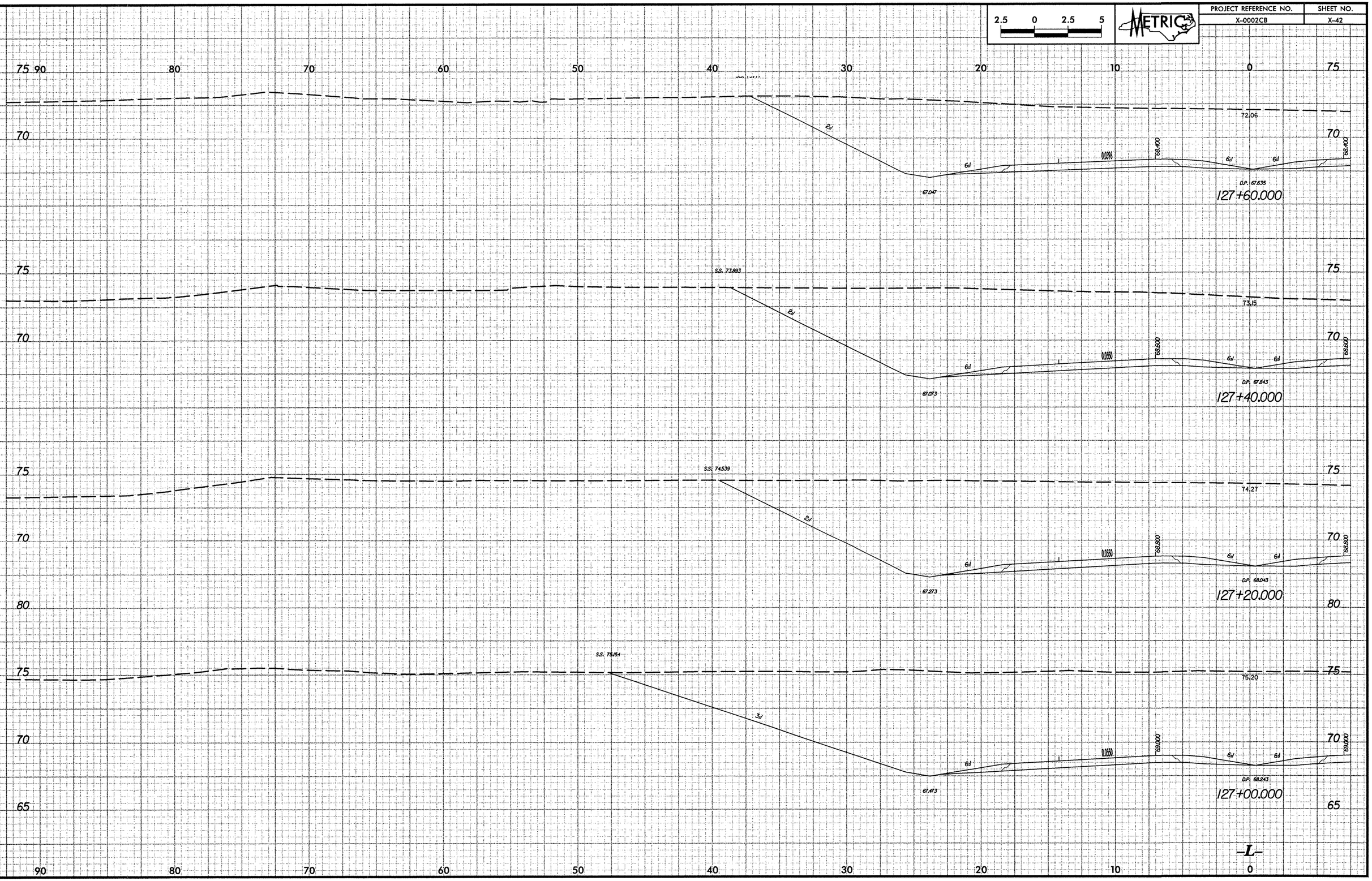
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-39
S.S. 71.580
72.06
68.400
0.0396
6:1
3:1
D.P. 67.635
67.660
127+60.000
S.S. 72.398
73.15
68.600
0.0550
D.P. 67.843
68.005
127+40.000
S.S. 73.352
74.27
68.800
D.P. 68.043
68.205
127+20.000
S.S. 74.366
75.20
69.000
D.P. 68.243
68.405
127+00.000
-L-



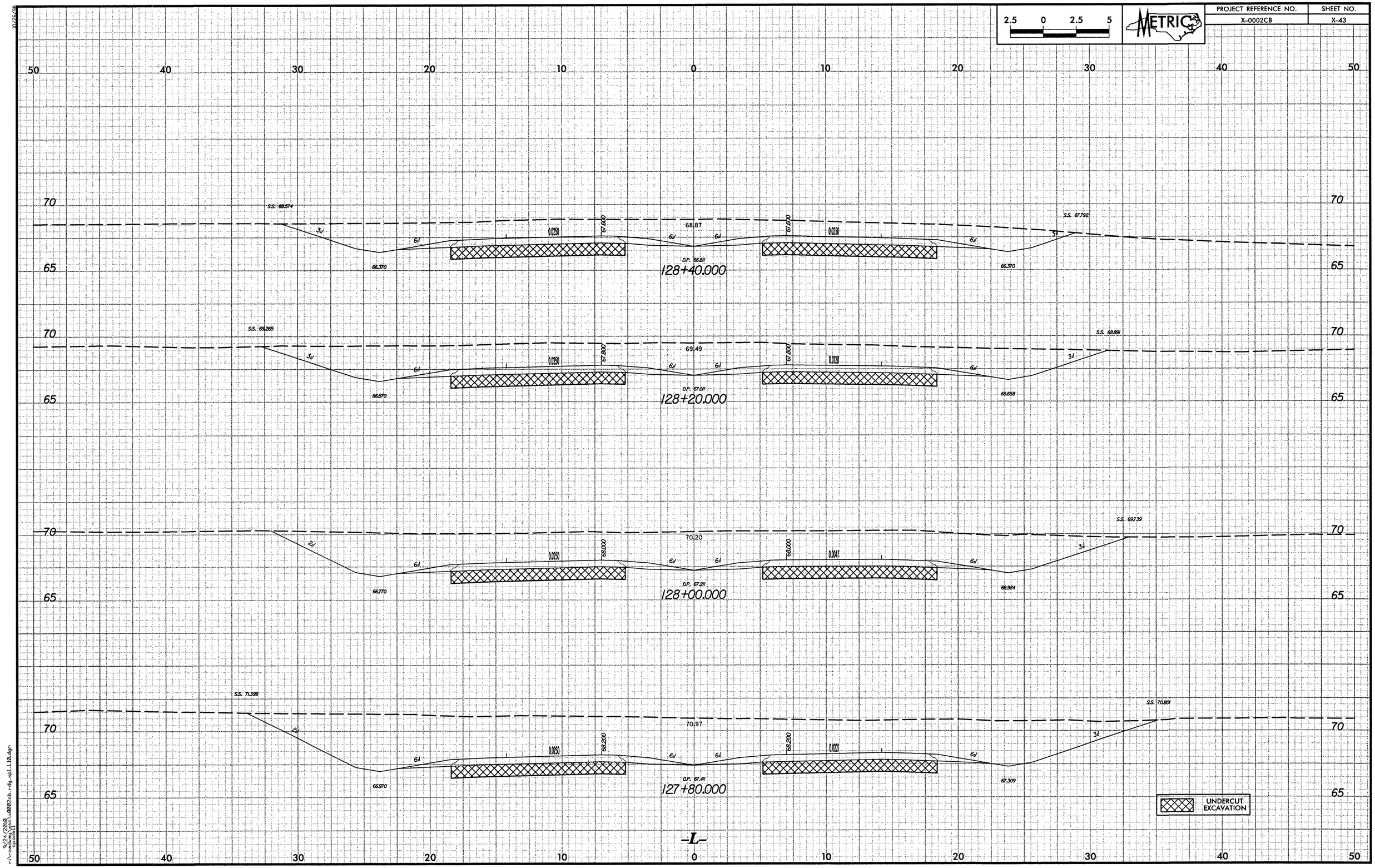
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-40
90 80 70 60 50 40 30 20 10 0
80
75
70
65
S.S. 76.119
77.42
3:1
6:1
0.0550
69.800
68.273
D.P. 69.043
126+20.000
S.S. 75.529
77.19
70.000
68.473
D.P. 69.243
126+00.000
S.S. 75.341
76.44
70.200
68.673
D.P. 69.443
125+80.000
-L-



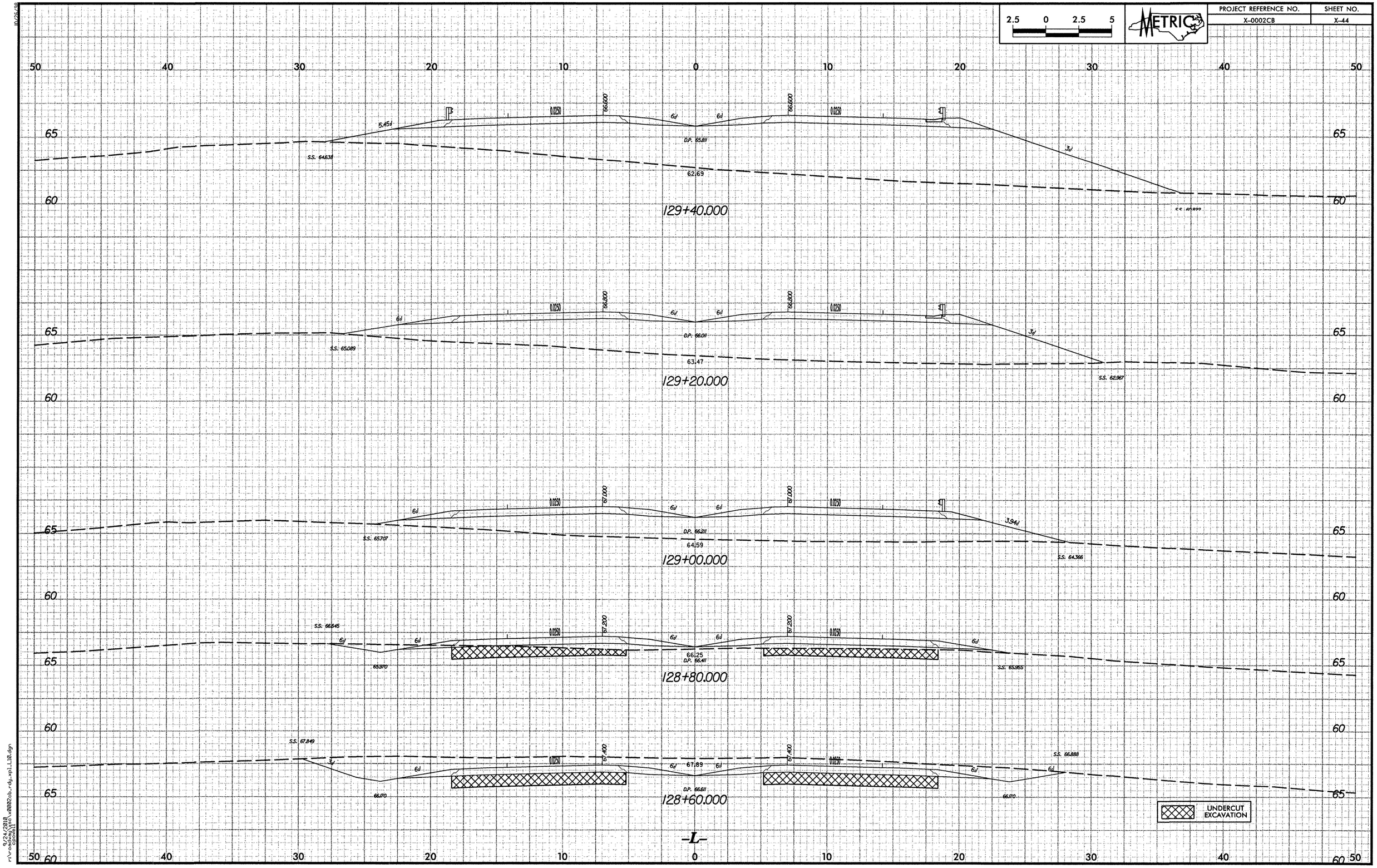
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-41
S.S. 75.707
75.79
3:1
6:1
0.0550
69.200
67.673
D.P. 68.443
126+80.000
S.S. 76.562
77.32
69.400
67.873
D.P. 68.643
126+60.000
S.S. 76.289
77.87
69.600
68.073
D.P. 68.843
126+40.000
-L-



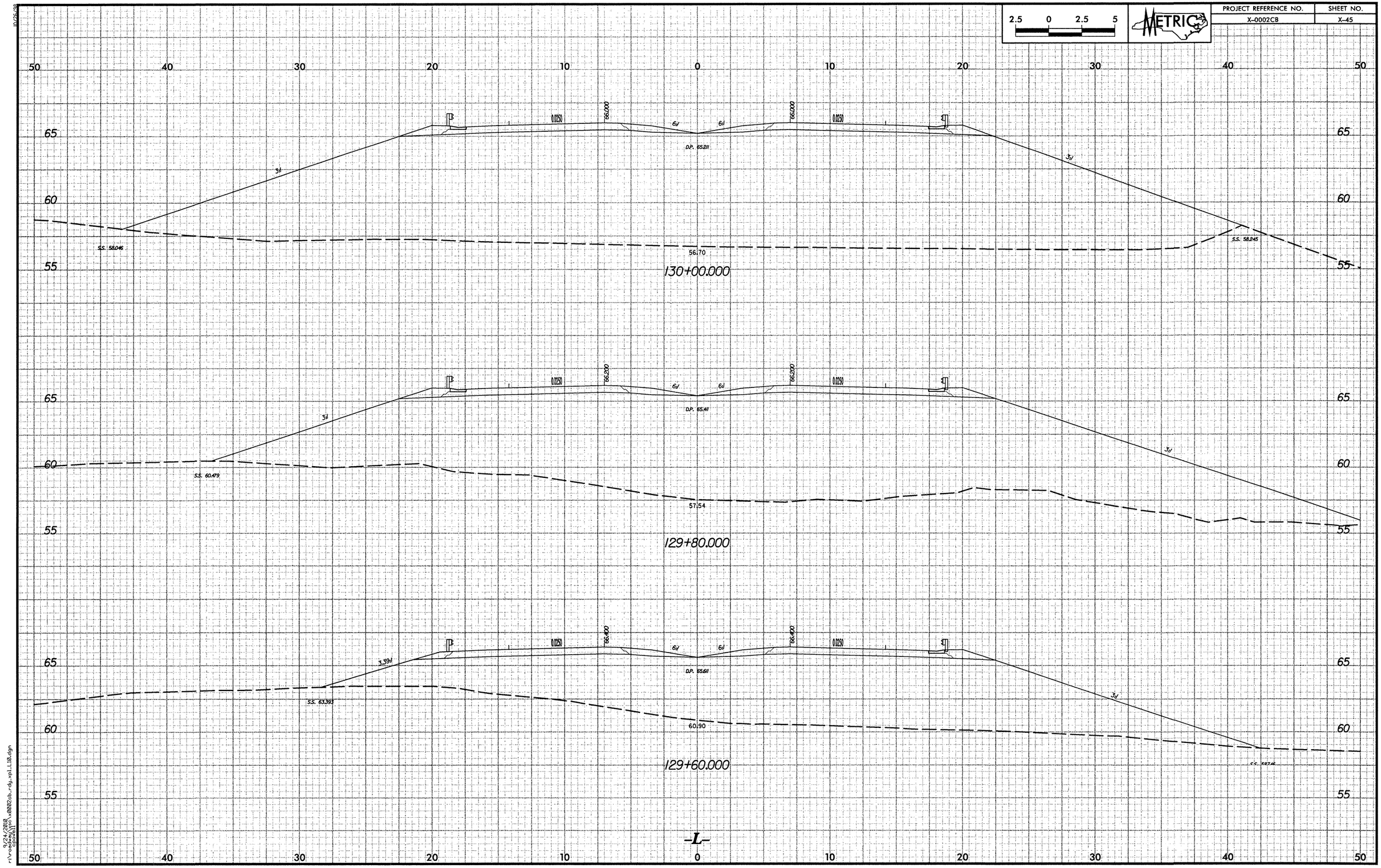
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-42
2.5 0 2.5 5
METRIC
72.06
67.047
D.P. 67.635
127+60.000
S.S. 73.893
73.15
67.073
D.P. 67.843
127+40.000
S.S. 74.539
74.27
67.273
D.P. 68.043
127+20.000
S.S. 75.154
75.20
67.473
D.P. 68.243
127+00.000
-L-



PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-43
2.5 0 2.5 5
METRIC
50 40 30 20 10 0 10 20 30 40 50
70
65
S.S. 68.574
S.S. 67.792
68.87
0.0250
67.600
66.370
D.P. 66.811
128+40.000
S.S. 69.265
S.S. 68.891
69.49
0.0128
66.570
66.658
D.P. 67.011
128+20.000
S.S. 69.739
70.20
0.0047
68.000
66.770
66.984
D.P. 67.211
128+00.000
S.S. 71.399
S.S. 70.801
70.97
0.0221
68.200
66.970
67.309
D.P. 67.411
127+80.000
UNDERCUT EXCAVATION
-L-

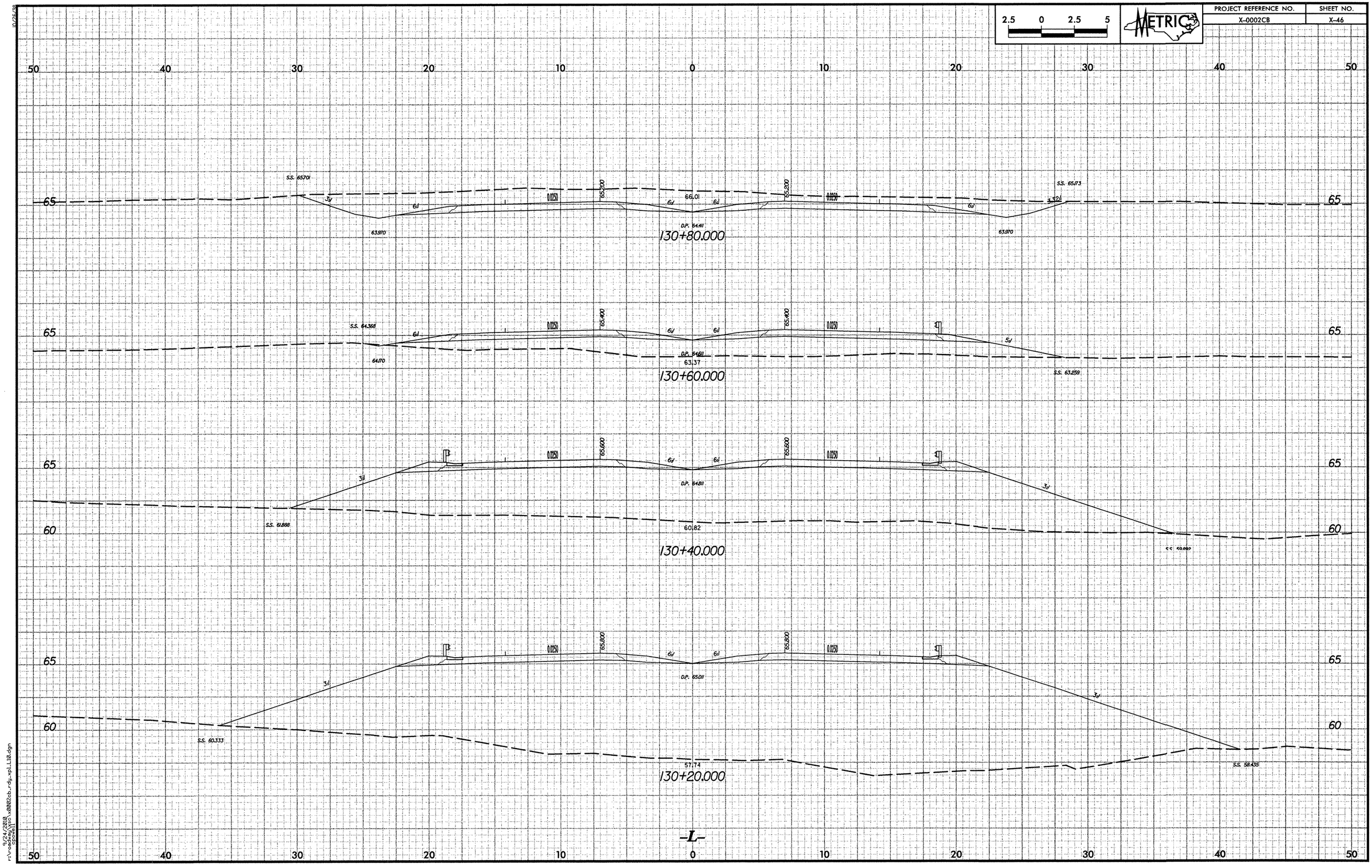


PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-44
METRIC
2.5 0 2.5 5
129+40.000
129+20.000
129+00.000
128+80.000
128+60.000
-L-
UNDERCUT EXCAVATION



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-45
50 40 30 20 10 0 10 20 30 40 50
65
60
55
0.0250
66.000
6:1
D.P. 65.211
3:1
S.S. 58.046
56.70
S.S. 58.245
130+00.000
66.200
D.P. 65.411
S.S. 60.479
57.54
129+80.000
66.400
3.39:1
D.P. 65.611
S.S. 63.393
60.90
129+60.000
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-46



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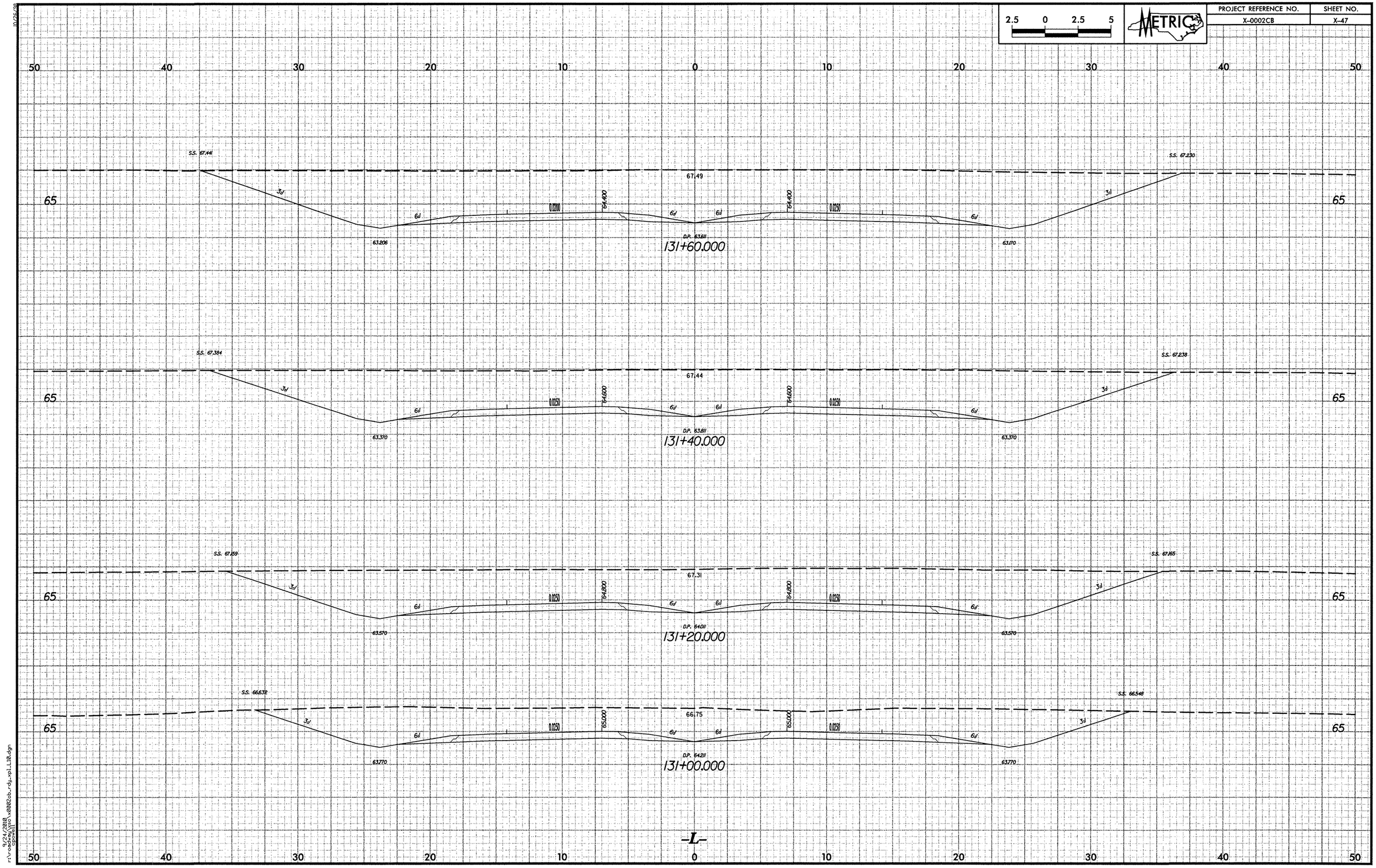
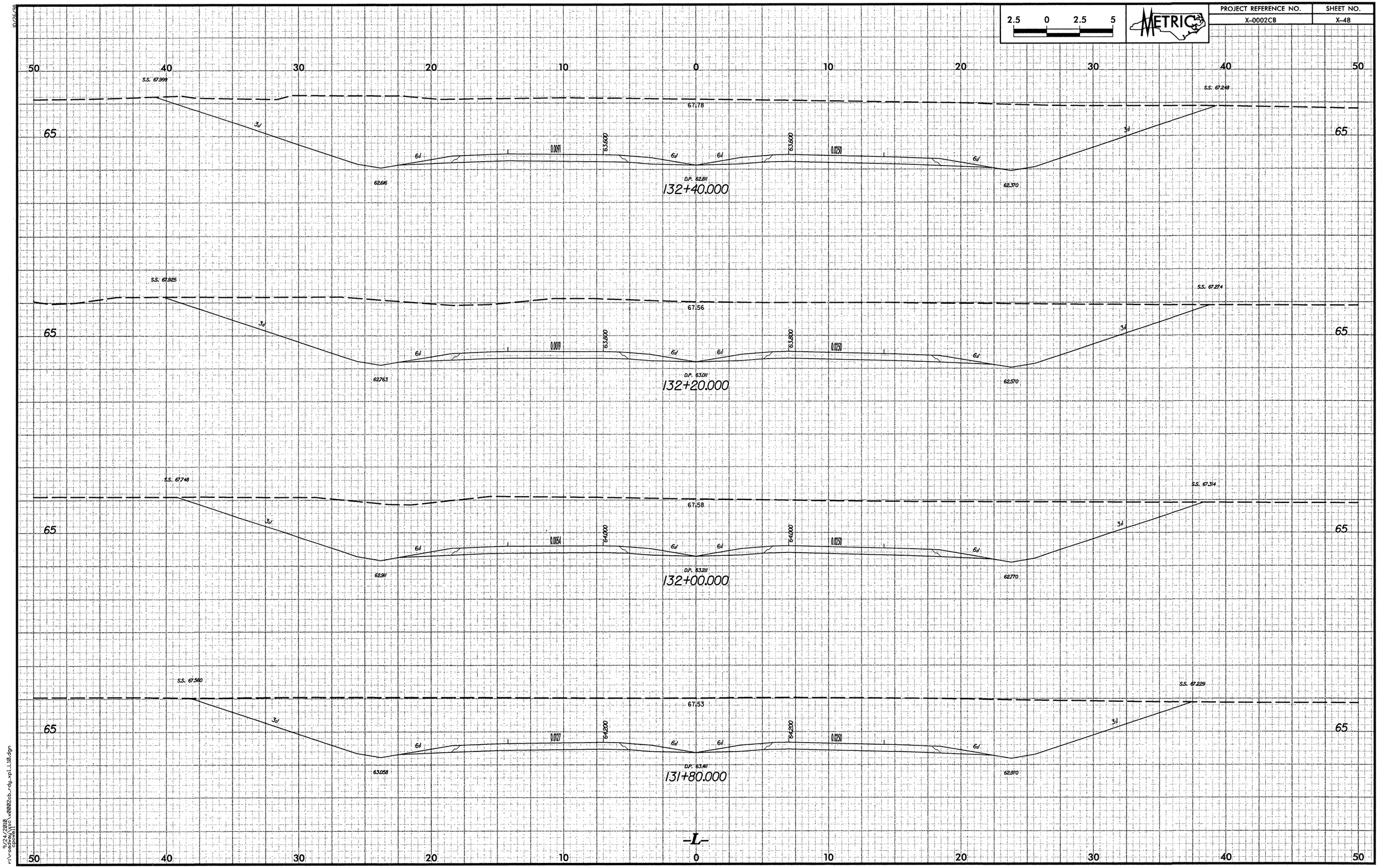
cpowell

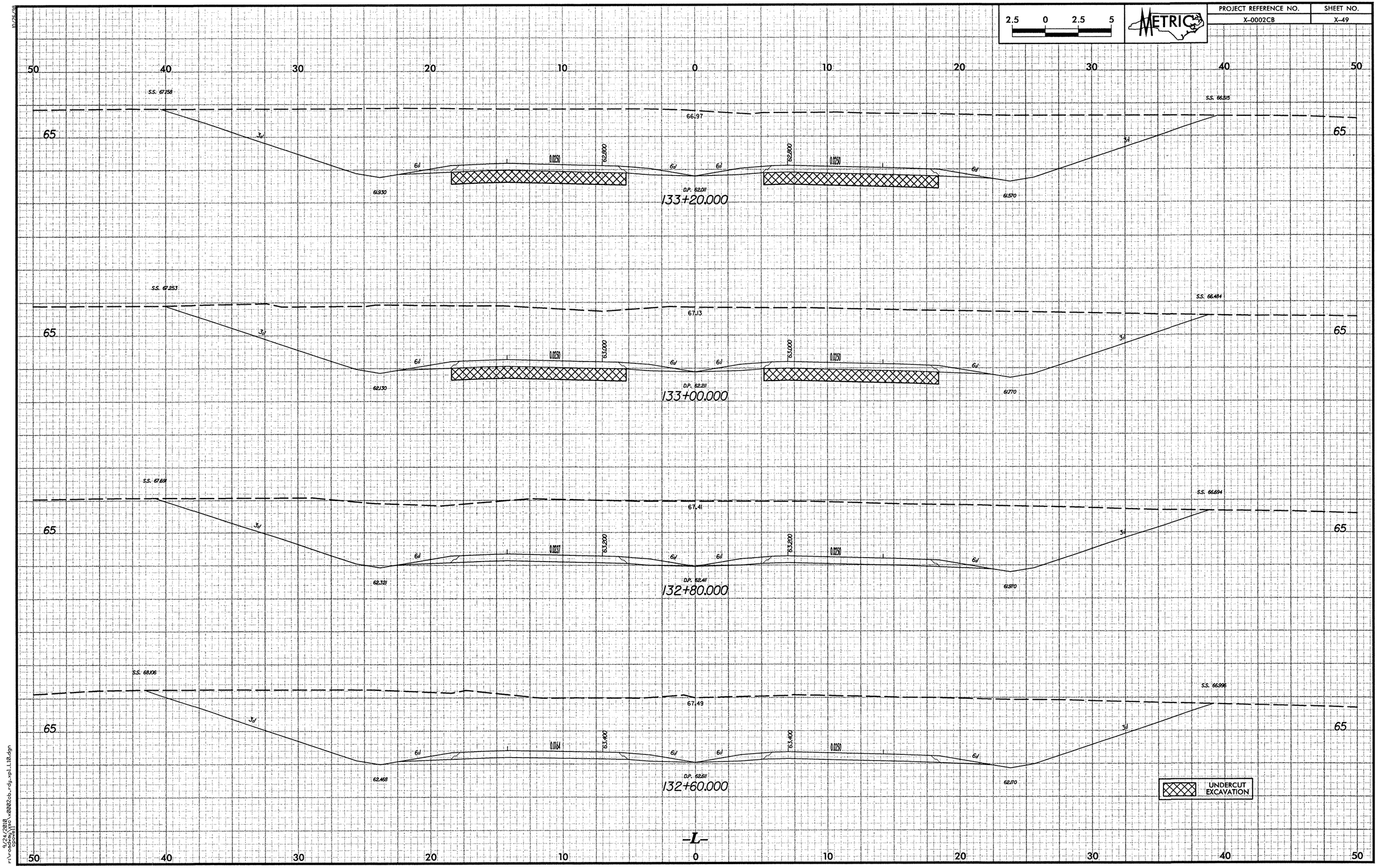


PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-47
2.5 0 2.5 5
METRIC
50 40 30 20 10 0 10 20 30 40 50
65
S.S. 67.441
S.S. 67.230
67.49
3:1
6:1
0.0200
64.400
0.0250
63.206
63.170
D.P. 63.611
131+60.000
S.S. 67.384
S.S. 67.238
67.44
0.0250
64.600
63.370
D.P. 63.811
131+40.000
S.S. 67.159
S.S. 67.165
67.31
0.0250
64.800
63.570
D.P. 64.011
131+20.000
S.S. 66.632
S.S. 66.548
66.75
0.0250
65.000
63.770
D.P. 64.211
131+00.000
-L-



PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-48
2.5 0 2.5 5
METRIC
S.S. 67.999
S.S. 67.248
67.78
0.0091
63.600
0.0250
62.616
D.P. 62.811
132+40.000
62.370
S.S. 67.925
S.S. 67.274
67.56
0.0089
63.800
0.0250
62.763
D.P. 63.011
132+20.000
62.570
S.S. 67.748
S.S. 67.314
67.58
0.0054
64.000
0.0250
62.911
D.P. 63.211
132+00.000
62.770
S.S. 67.560
S.S. 67.229
67.53
0.0127
64.200
0.0250
63.058
D.P. 63.411
131+80.000
62.970
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-49



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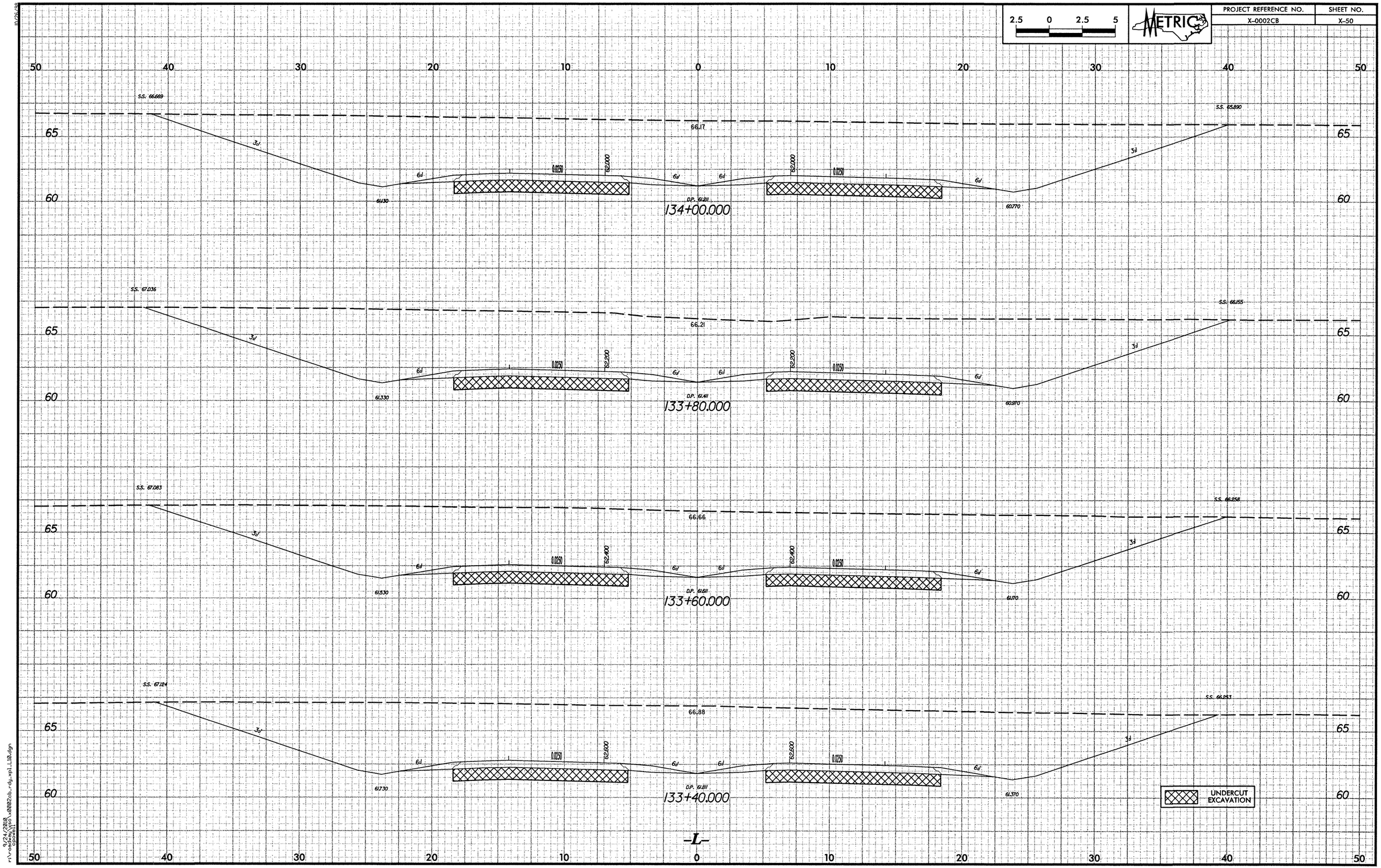
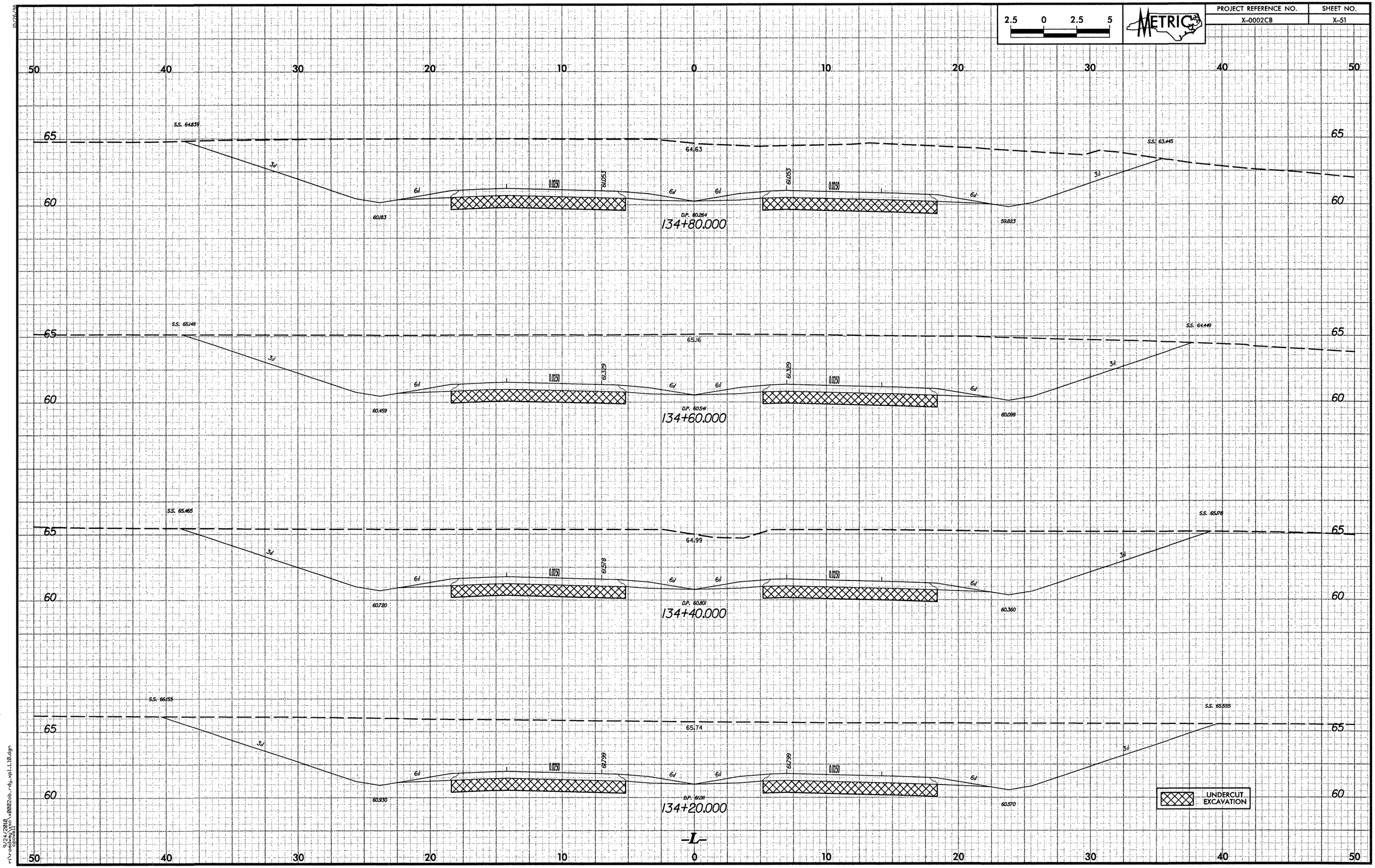
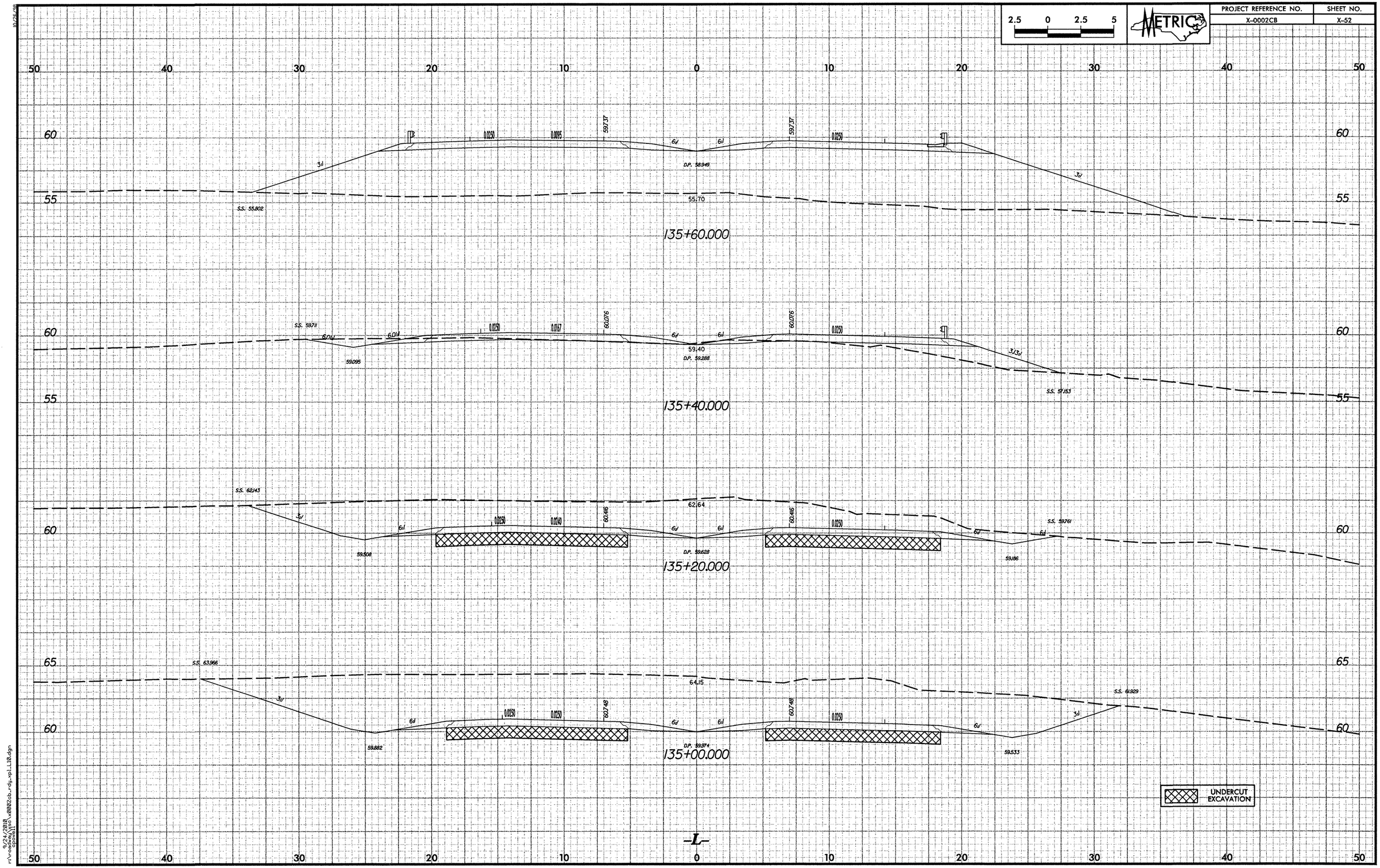


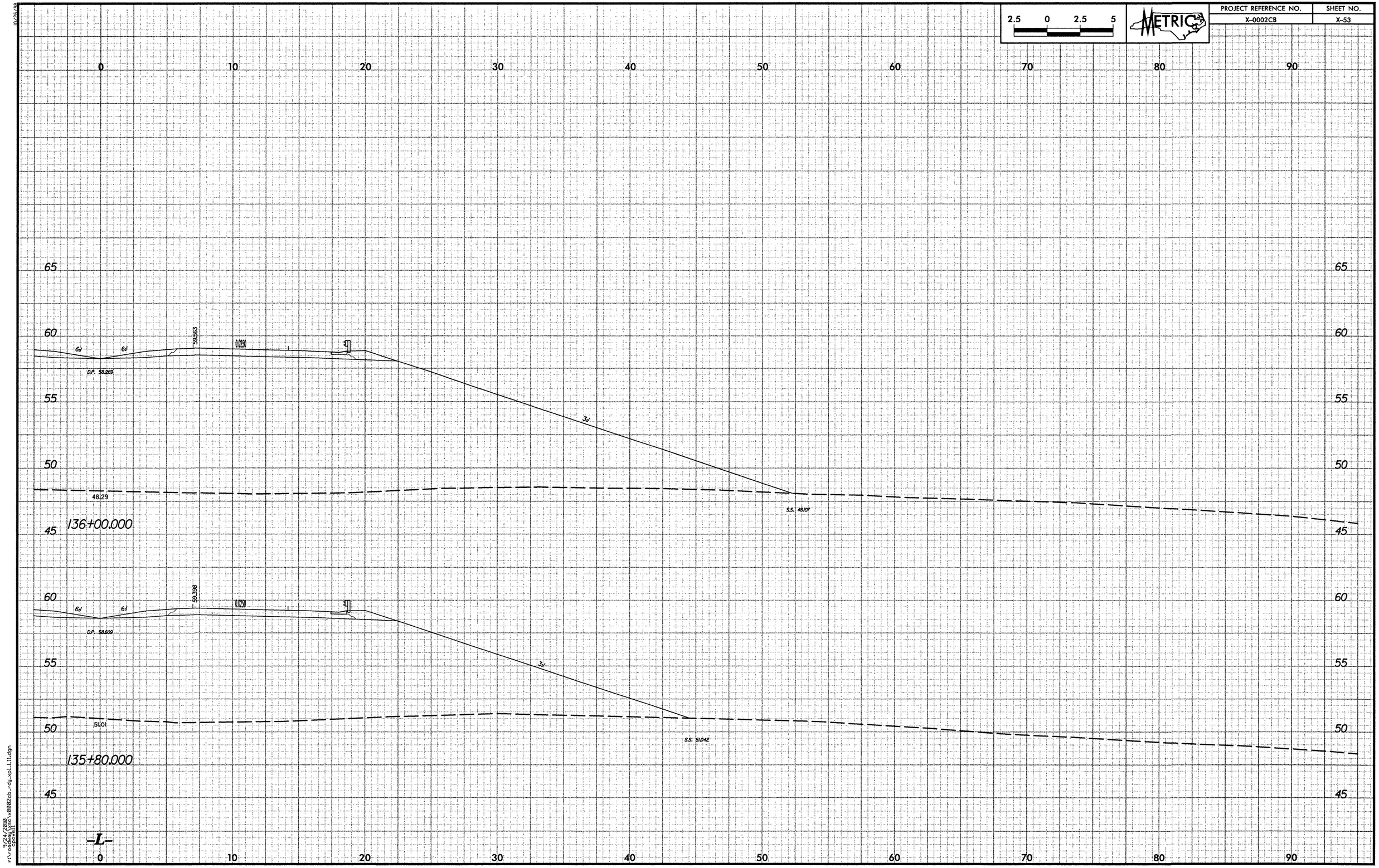
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-50
2.5 0 2.5 5
METRIC
S.S. 66.669
S.S. 65.890
66.17
61.130
60.770
D.P. 61.211
134+00.000
S.S. 67.036
S.S. 66.155
66.21
61.330
60.970
D.P. 61.411
133+80.000
S.S. 67.083
S.S. 66.258
66.66
61.530
61.170
D.P. 61.611
133+60.000
S.S. 67.124
S.S. 66.253
66.88
61.730
61.370
D.P. 61.811
133+40.000
UNDERCUT EXCAVATION
-L-



PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-51
METRIC
2.5 0 2.5 5
50 40 30 20 10 0 10 20 30 40 50
65
60
S.S. 64.839
64.63
S.S. 63.445
3:1
6:1
0.0250
61.053
60.183
D.P. 60.264
134+80.000
59.823
S.S. 65.149
65.16
S.S. 64.449
61.329
60.459
D.P. 60.541
134+60.000
60.099
S.S. 65.465
64.99
S.S. 65.176
61.578
60.720
D.P. 60.801
134+40.000
60.360
S.S. 66.155
65.74
S.S. 65.555
61.799
60.930
D.P. 61.011
134+20.000
60.570
UNDERCUT EXCAVATION
-L-

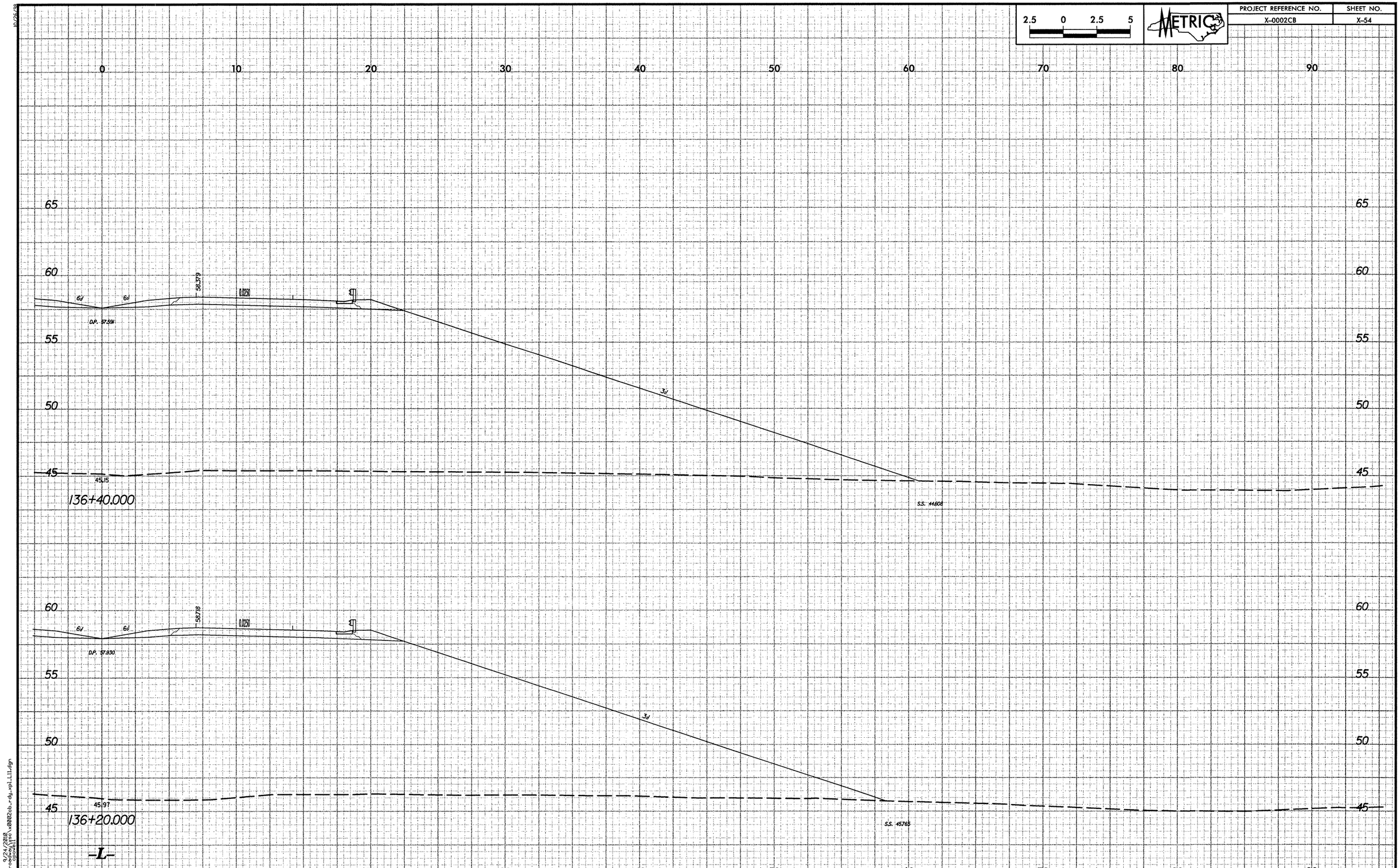


PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-52
2.5 0 2.5 5
METRIC
135+60.000
135+40.000
135+20.000
135+00.000
UNDERCUT EXCAVATION
-L-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-53
0 10 20 30 40 50 60 70 80 90
65
60
55
50
45
6:1
6:1
59.563
0.0250
D.P. 58.269
3:1
48.29
S.S. 48.107
136+00.000
59.398
0.0250
D.P. 58.609
3:1
51.01
S.S. 51.042
135+80.000
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-54



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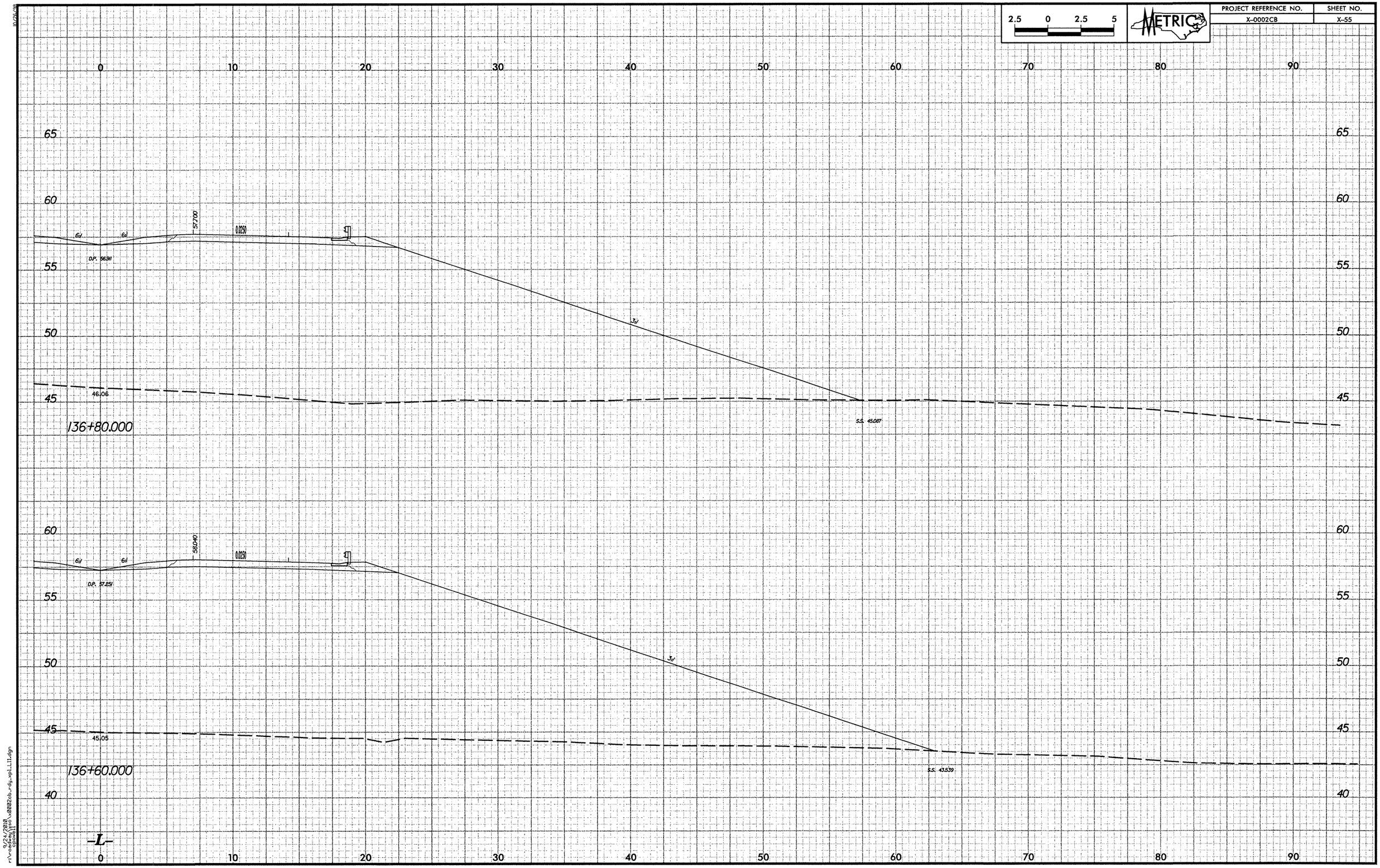
PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-55



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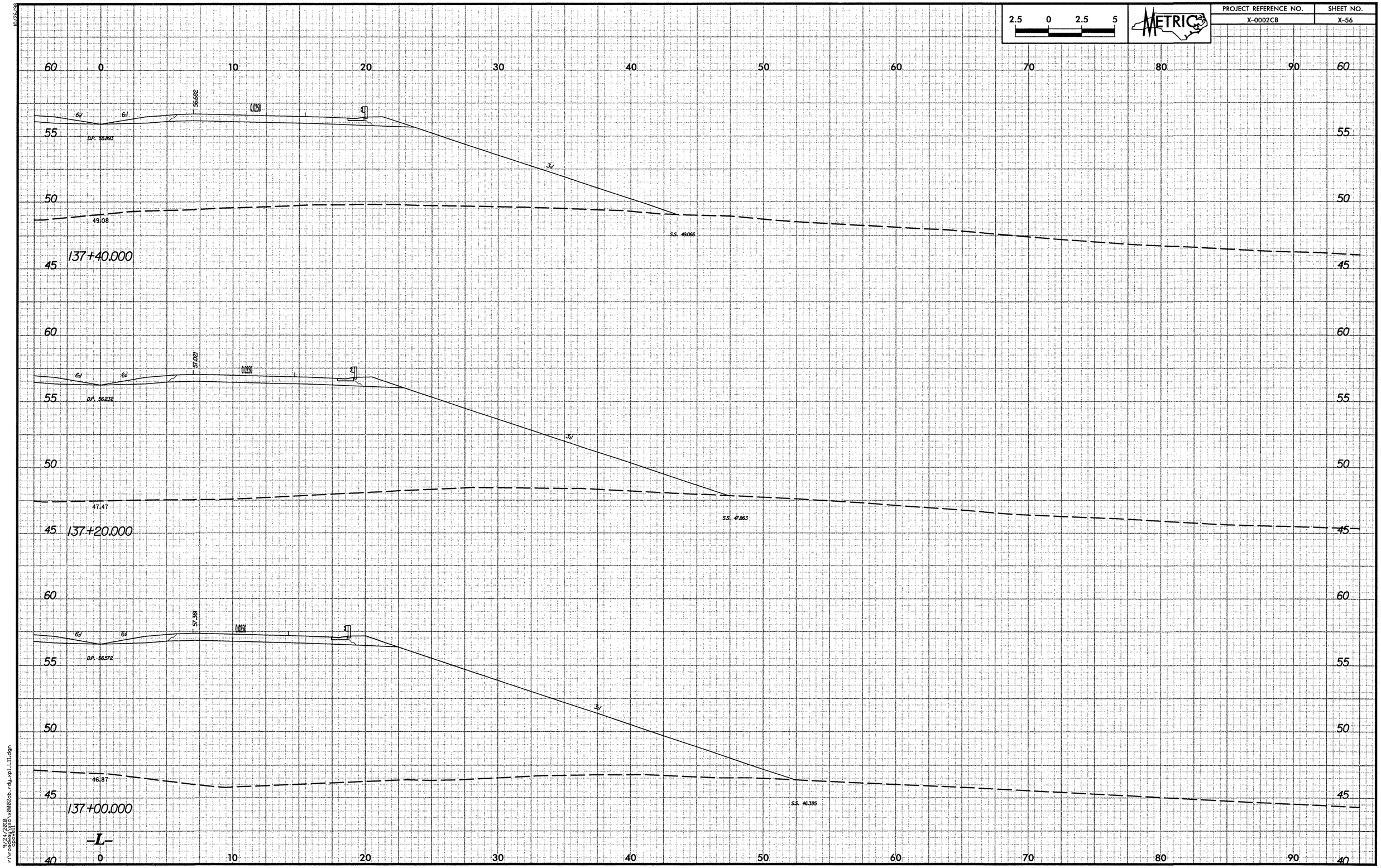
cpowell



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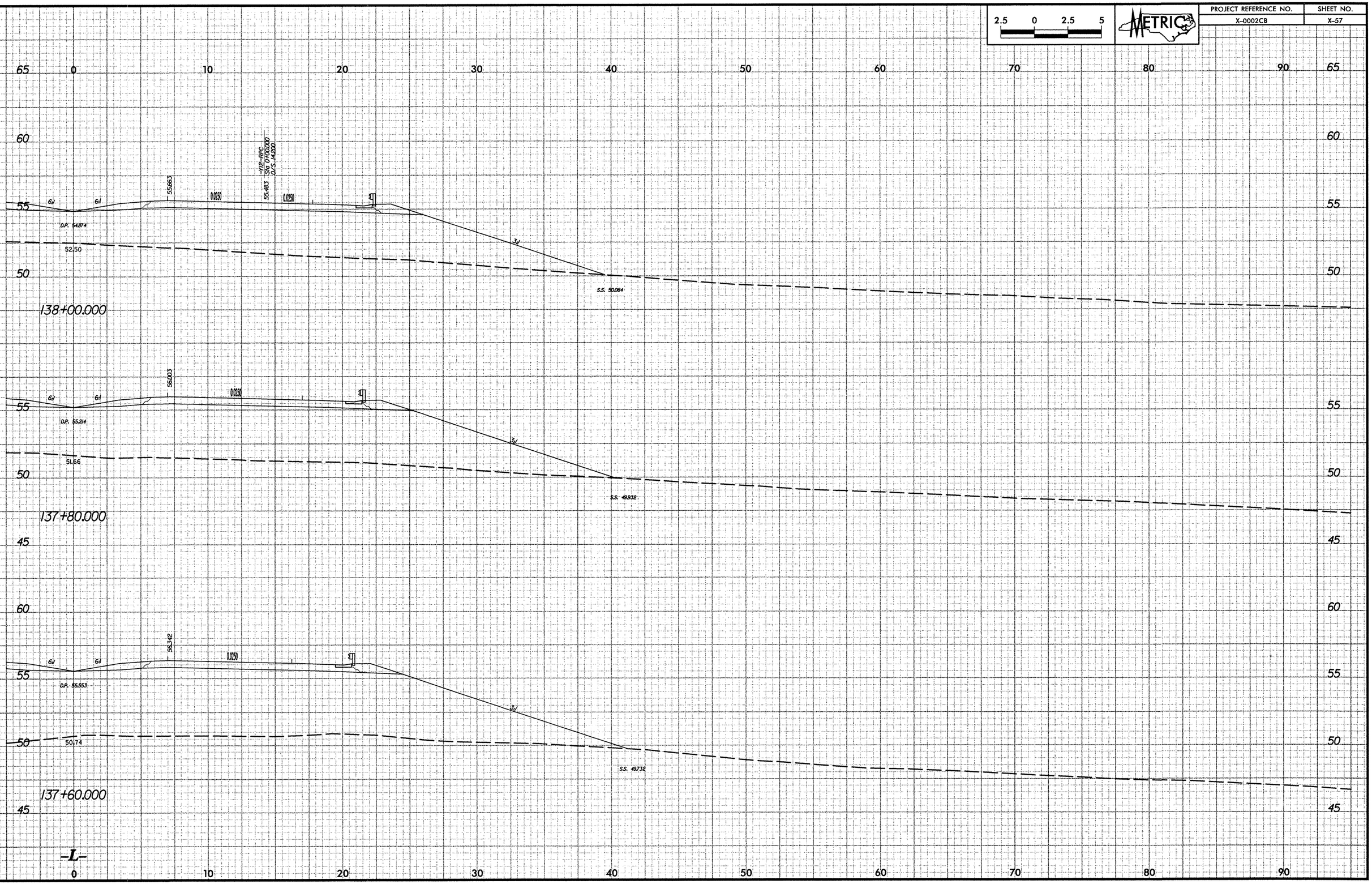
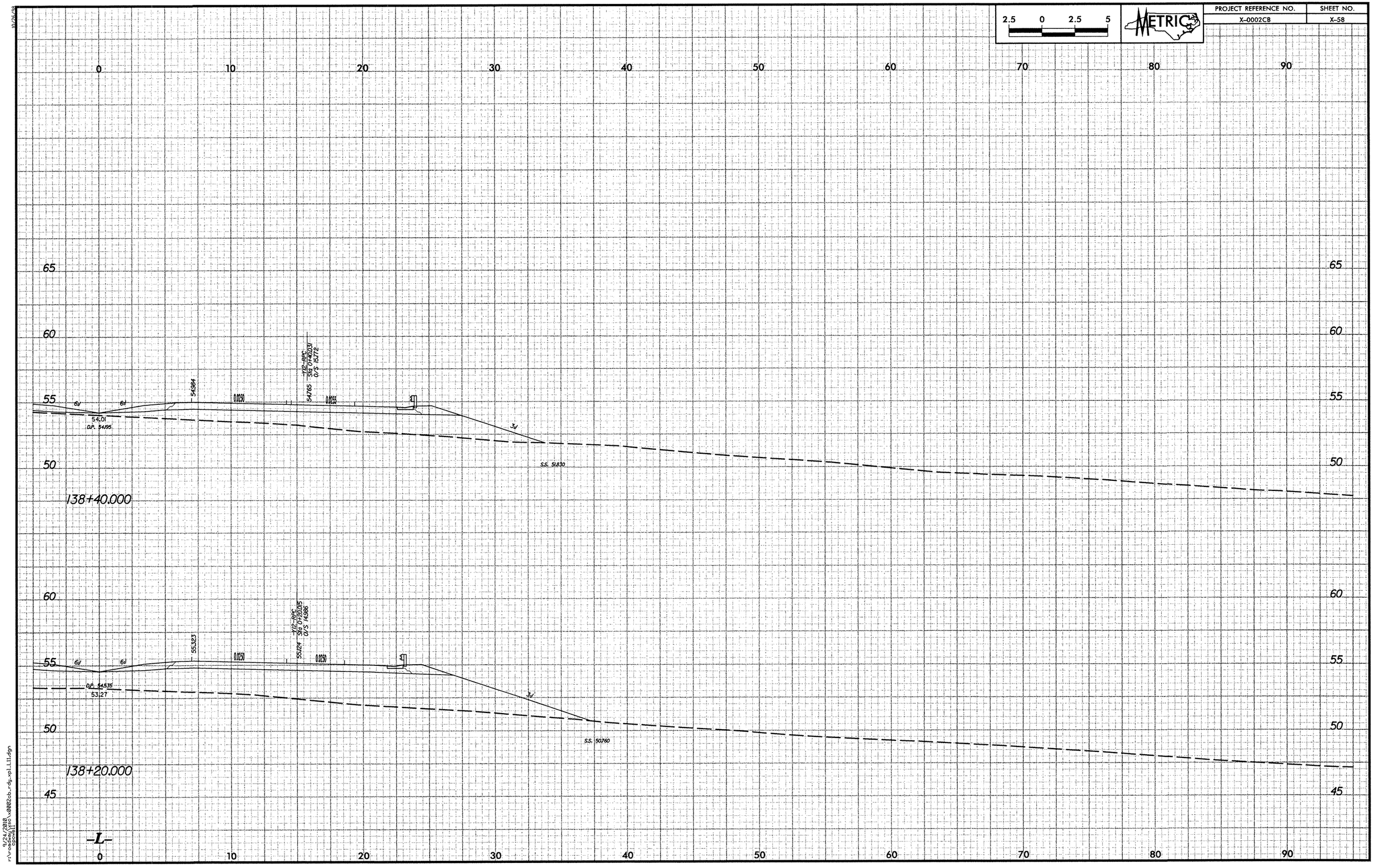
cpowell

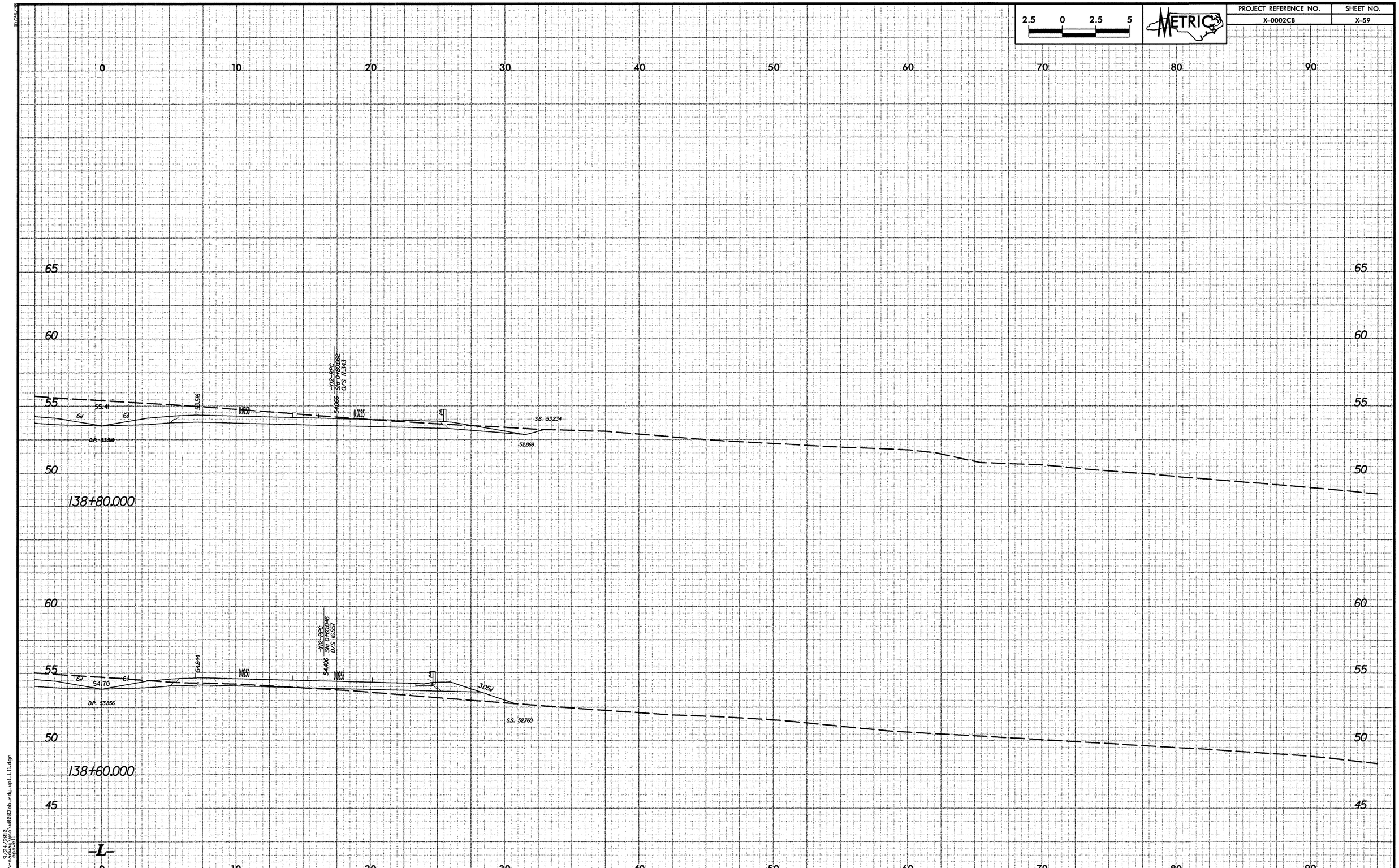


2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-57
138+00.000
137+80.000
137+60.000
D.P. 54.874
52.50
S.S. 50.084
D.P. 55.214
51.66
S.S. 49.932
D.P. 55.553
50.74
S.S. 49.732
55.663
55.483
56.003
56.342
0.0250
-L-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-58
0 10 20 30 40 50 60 70 80 90
65
60
55
50
45
138+40.000
138+20.000
-L-
54.01
D.P. 54.195
54.984
0.0250
0.0255
54.765
-Y12-RPC
Sta 0+40.031
O/S 15.772
S.S. 51.830
55.323
55.124
-Y12-RPC
Sta 0+20.015
O/S 14.986
D.P. 54.535
53.27
S.S. 50.760

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-59



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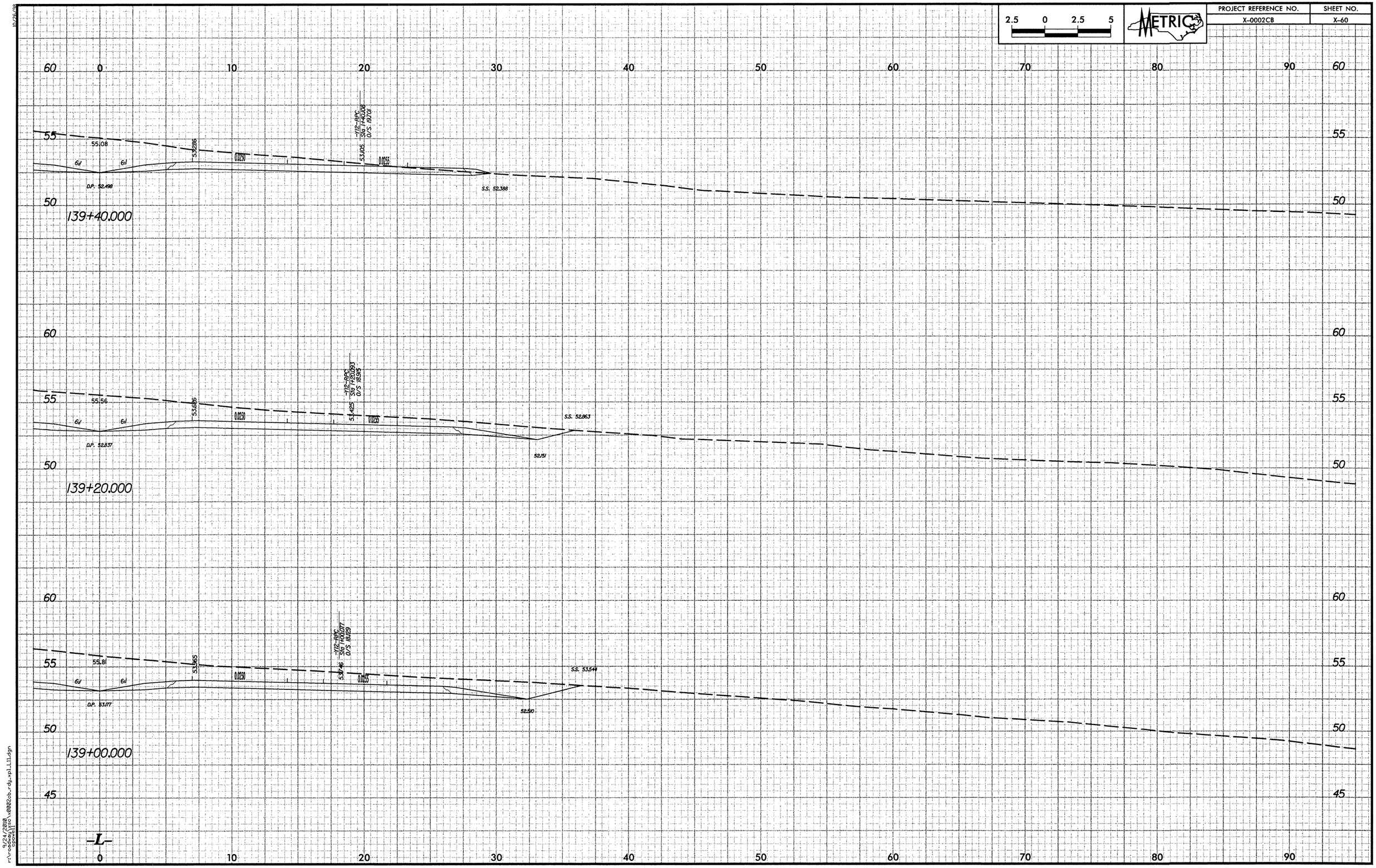
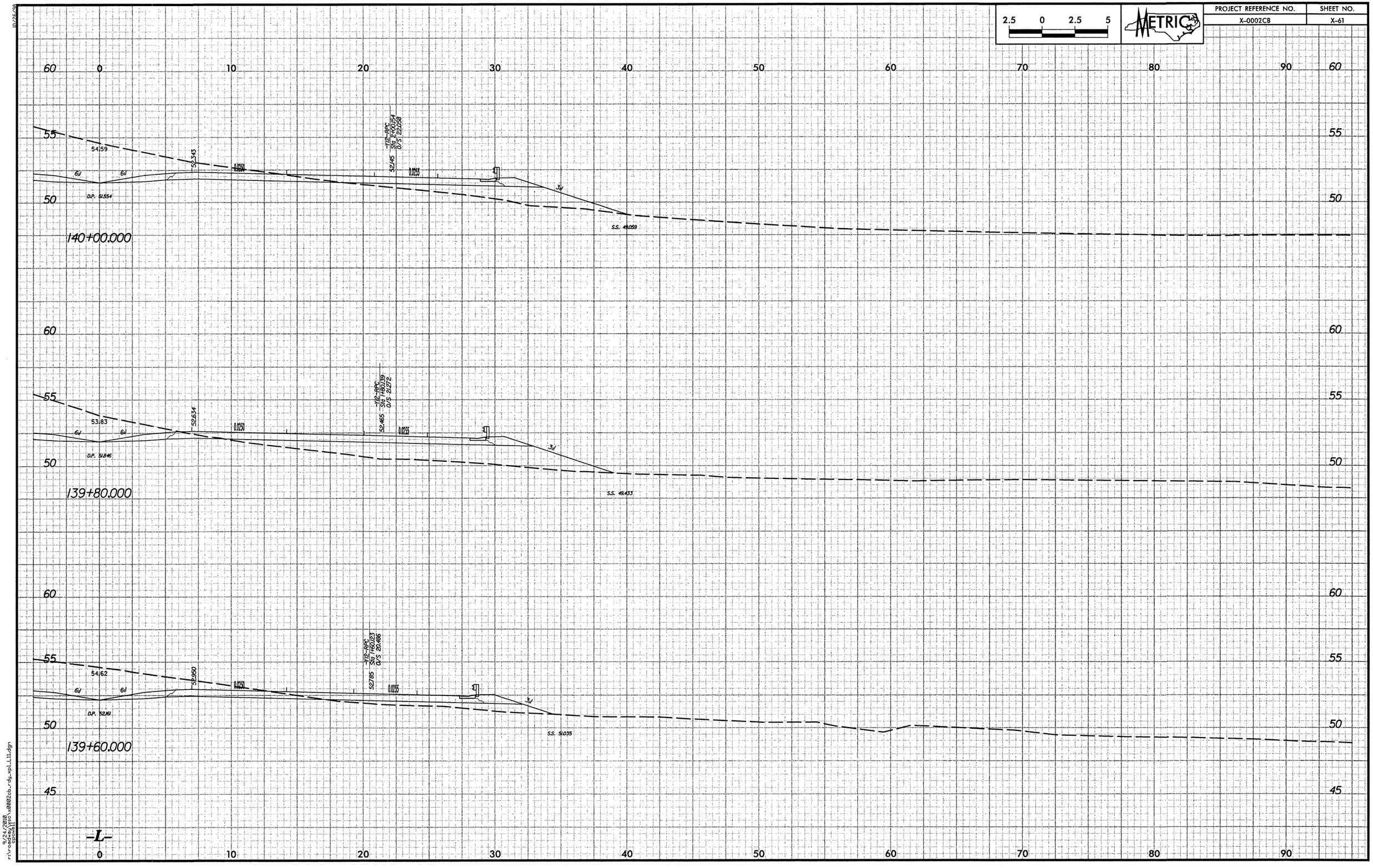
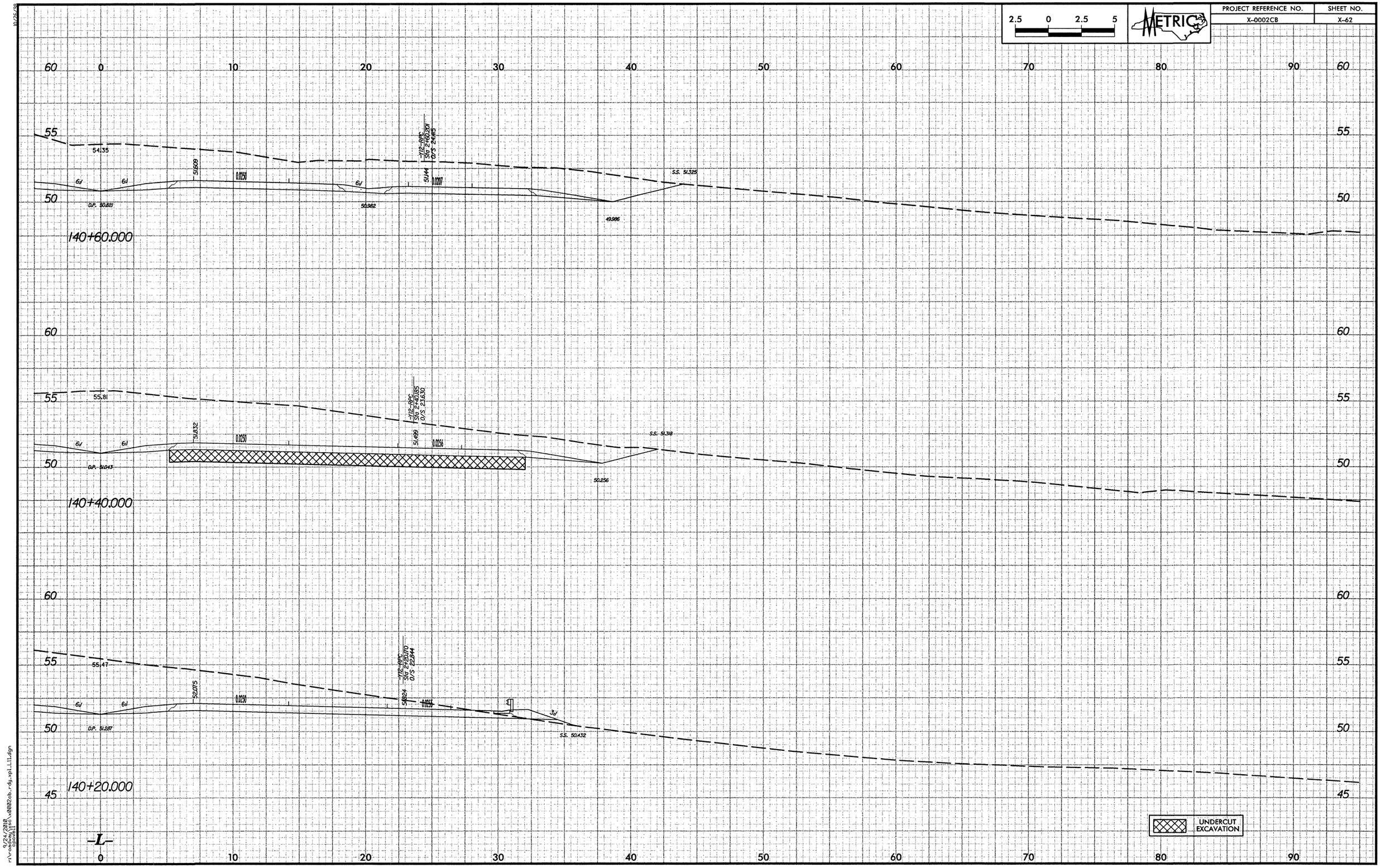


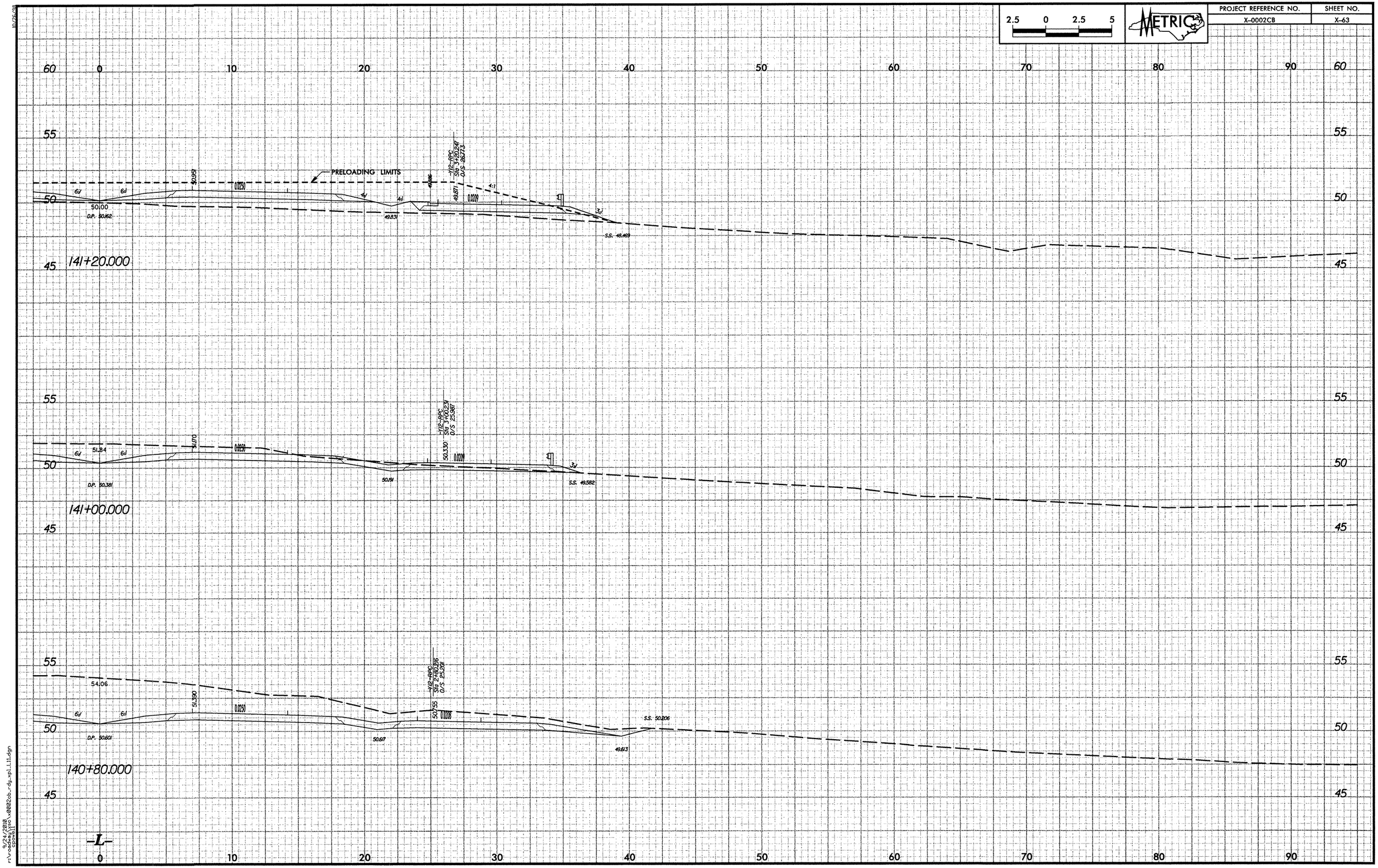
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-60
139+40.000
139+20.000
139+00.000
-L-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-61
140+00.000
139+80.000
139+60.000
54.59
53.83
54.62
D.P. 51.554
D.P. 51.846
D.P. 52.161
S.S. 49.059
S.S. 49.433
S.S. 51.035
-L-



PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-62
2.5 0 2.5 5
METRIC
140+60.000
140+40.000
140+20.000
-L-
UNDERCUT EXCAVATION



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-63
PRELOADING LIMITS
141+20.000
141+00.000
140+80.000
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-64

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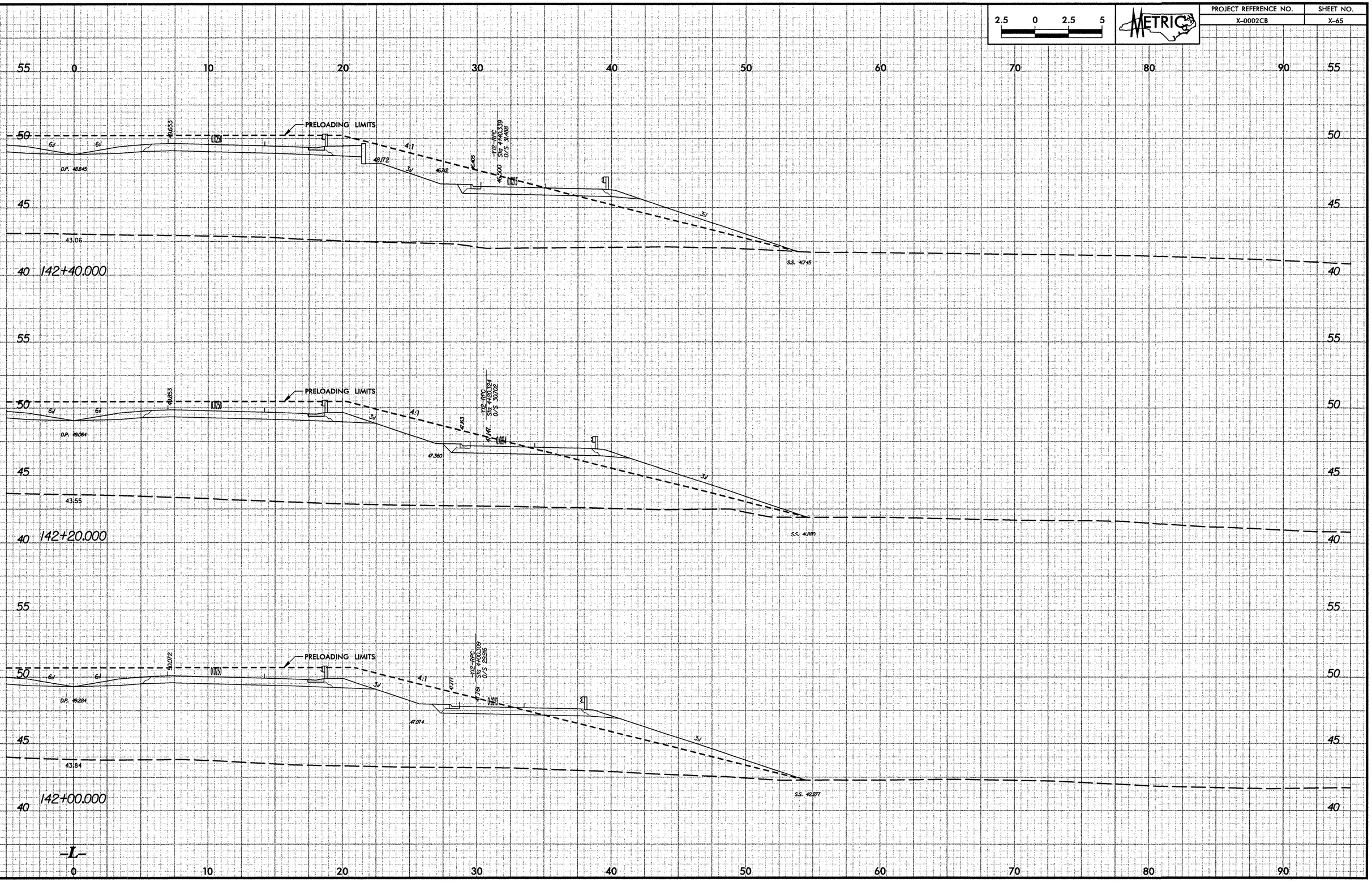
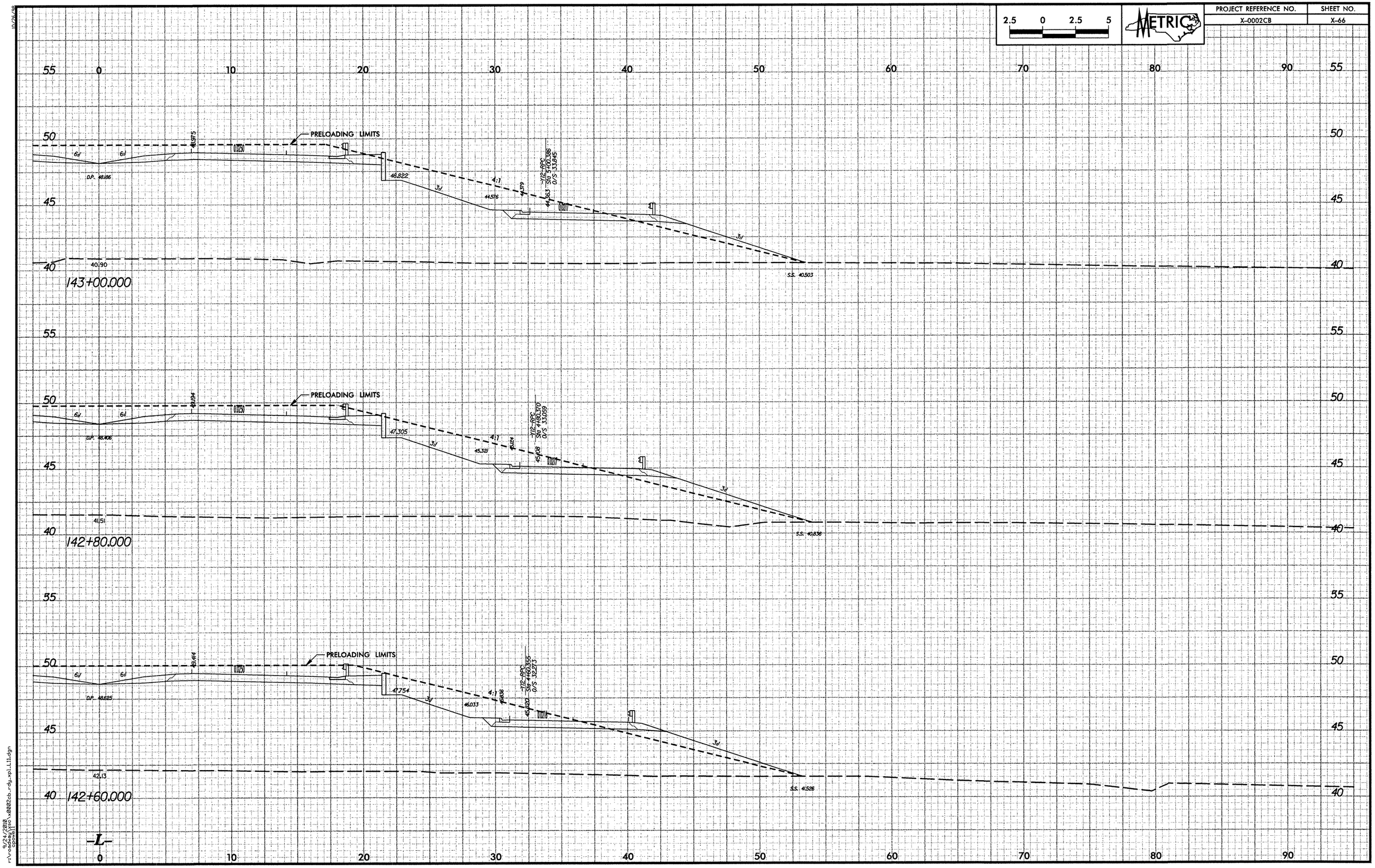
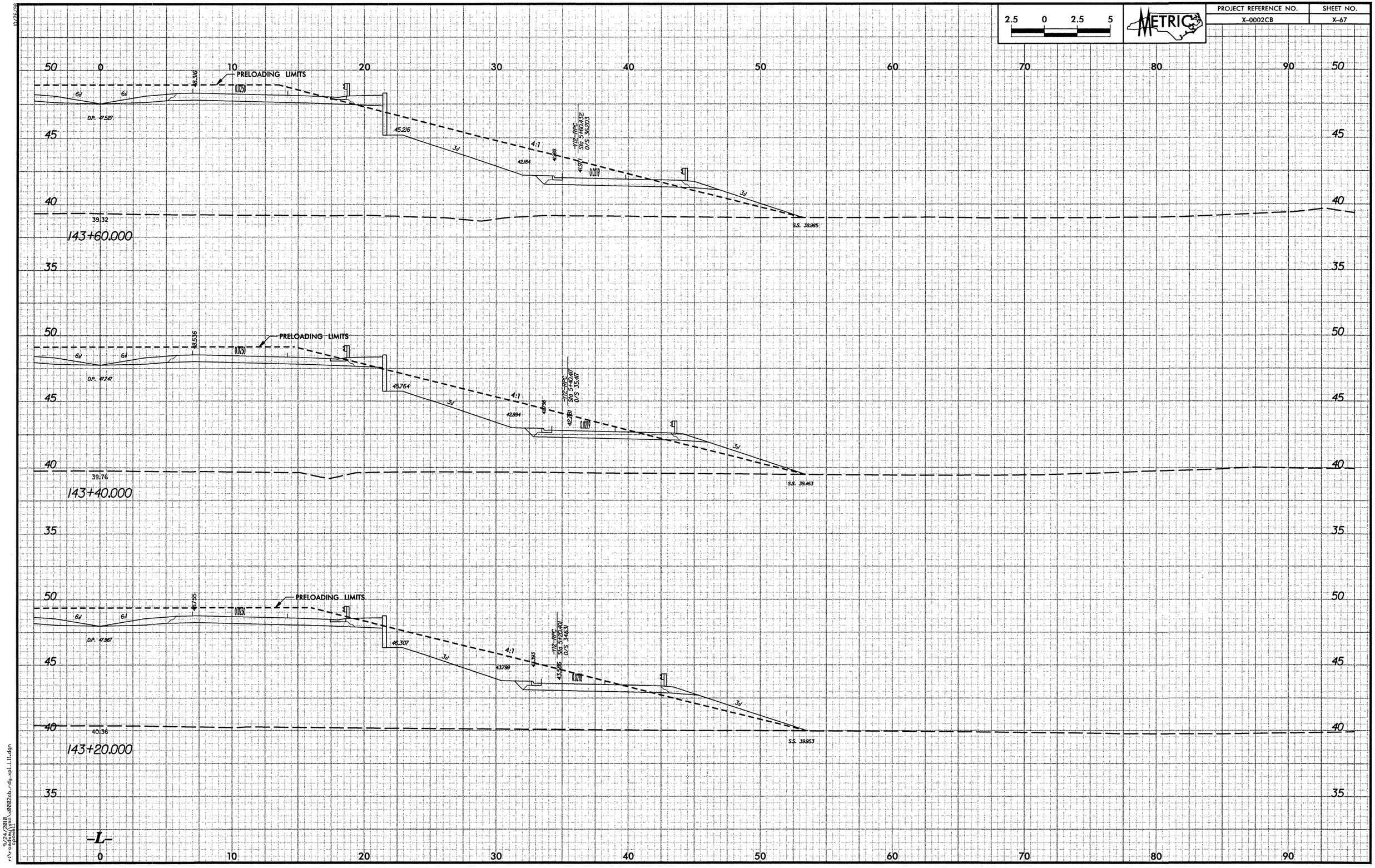
PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-65

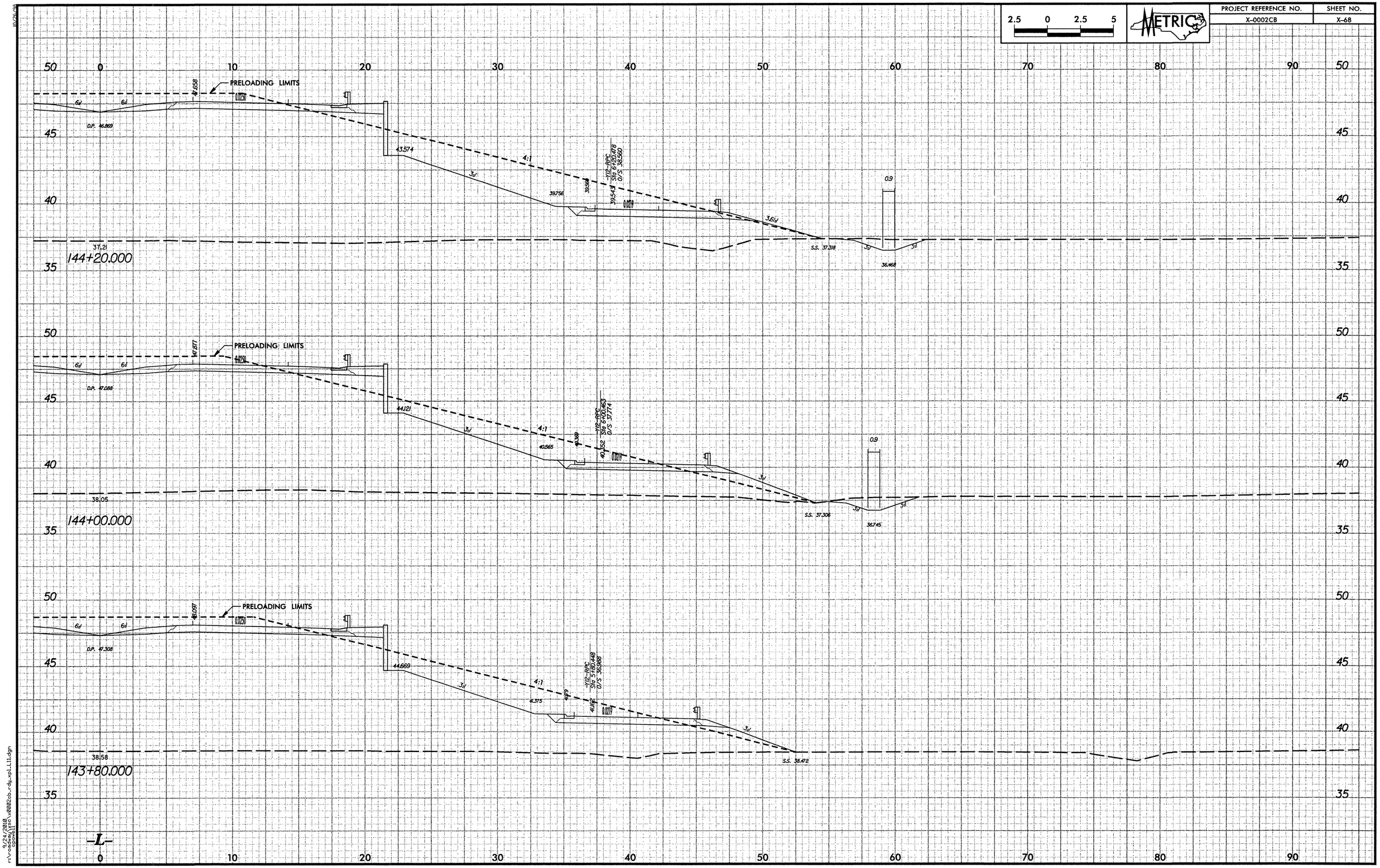




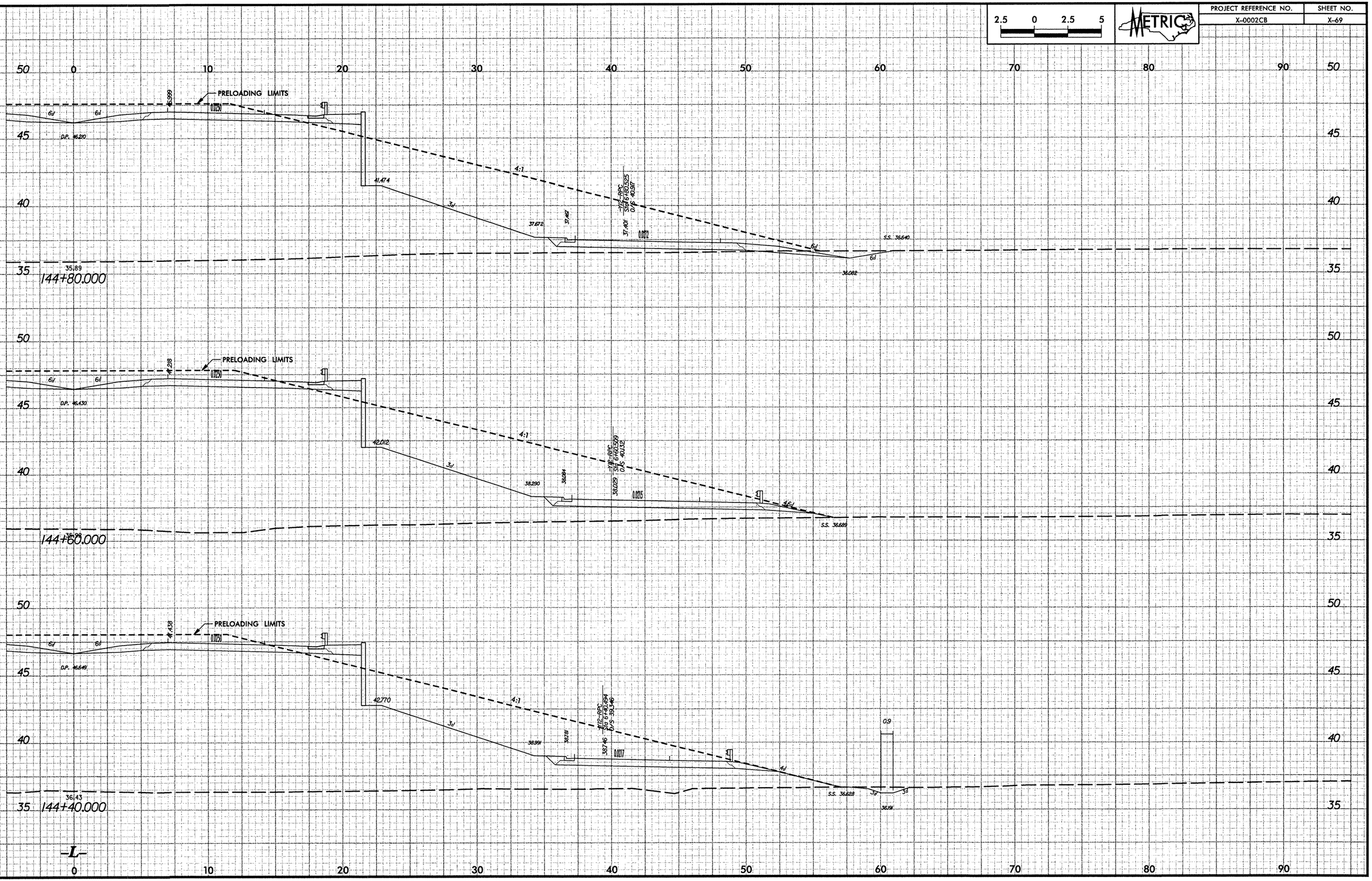
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-66
PRELOADING LIMITS
D.P. 48.186
48.822
44.576
S.S. 40.503
143+00.000
PRELOADING LIMITS
D.P. 48.406
47.305
45.321
S.S. 40.836
142+80.000
PRELOADING LIMITS
D.P. 48.625
47.754
46.033
S.S. 41.526
142+60.000
-L-



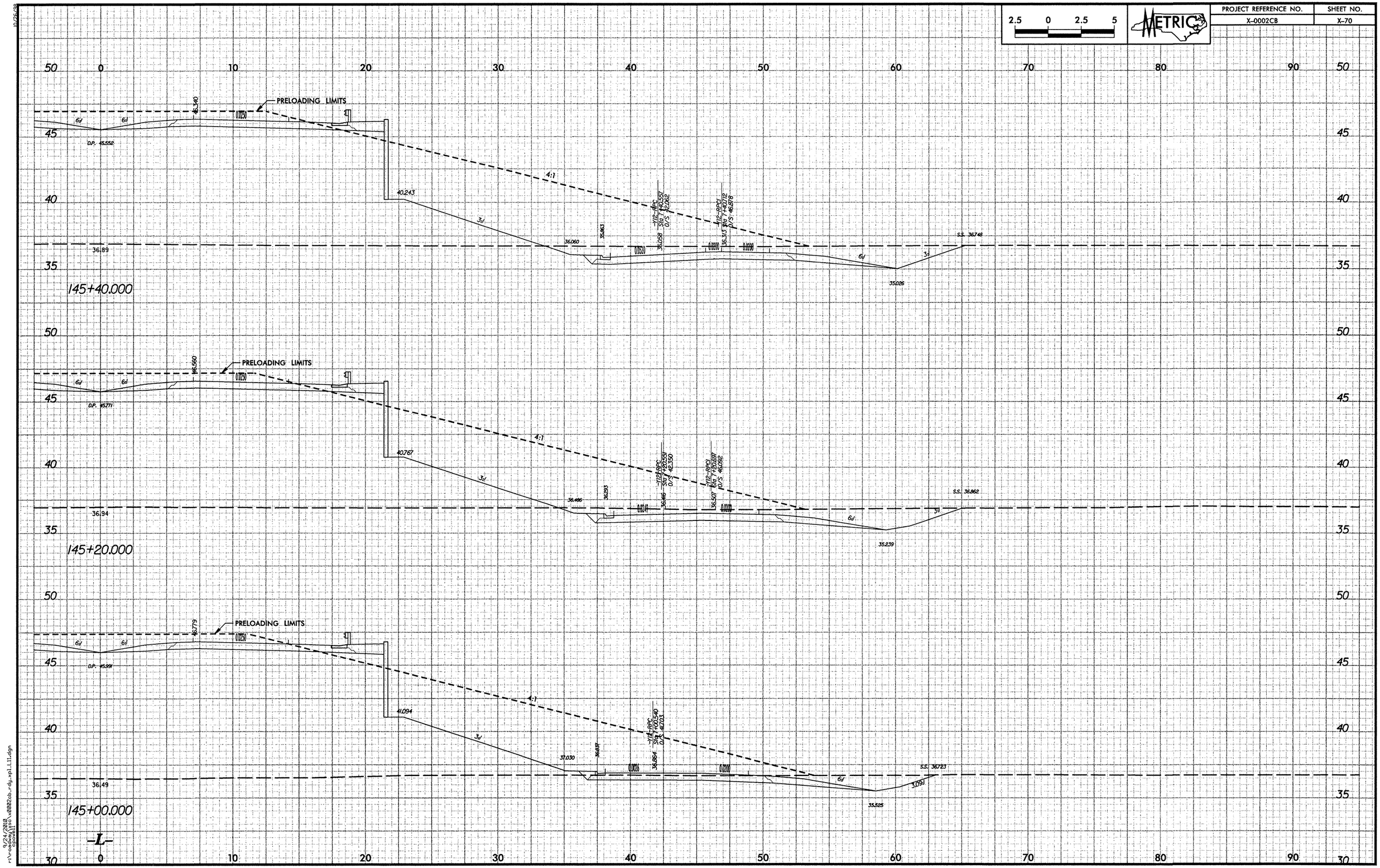
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-67
METRIC
2.5 0 2.5 5
PRELOADING LIMITS
143+60.000
143+40.000
143+20.000
-L-



PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-68
METRIC
2.5 0 2.5 5
PRELOADING LIMITS
D.P. 46.869
43.574
39.756
39.543
-Y12-RPC
Sta 6+20.478
O/S 38.560
0.9
S.S. 37.318
36.468
37.21
144+20.000
PRELOADING LIMITS
D.P. 47.088
44.121
40.565
40.352
-Y12-RPC
Sta 6+00.463
O/S 37.774
0.9
S.S. 37.306
36.745
38.05
144+00.000
PRELOADING LIMITS
D.P. 47.308
44.669
41.375
41.162
-Y12-RPC
Sta 5+80.448
O/S 36.988
S.S. 38.472
38.58
143+80.000
-L-

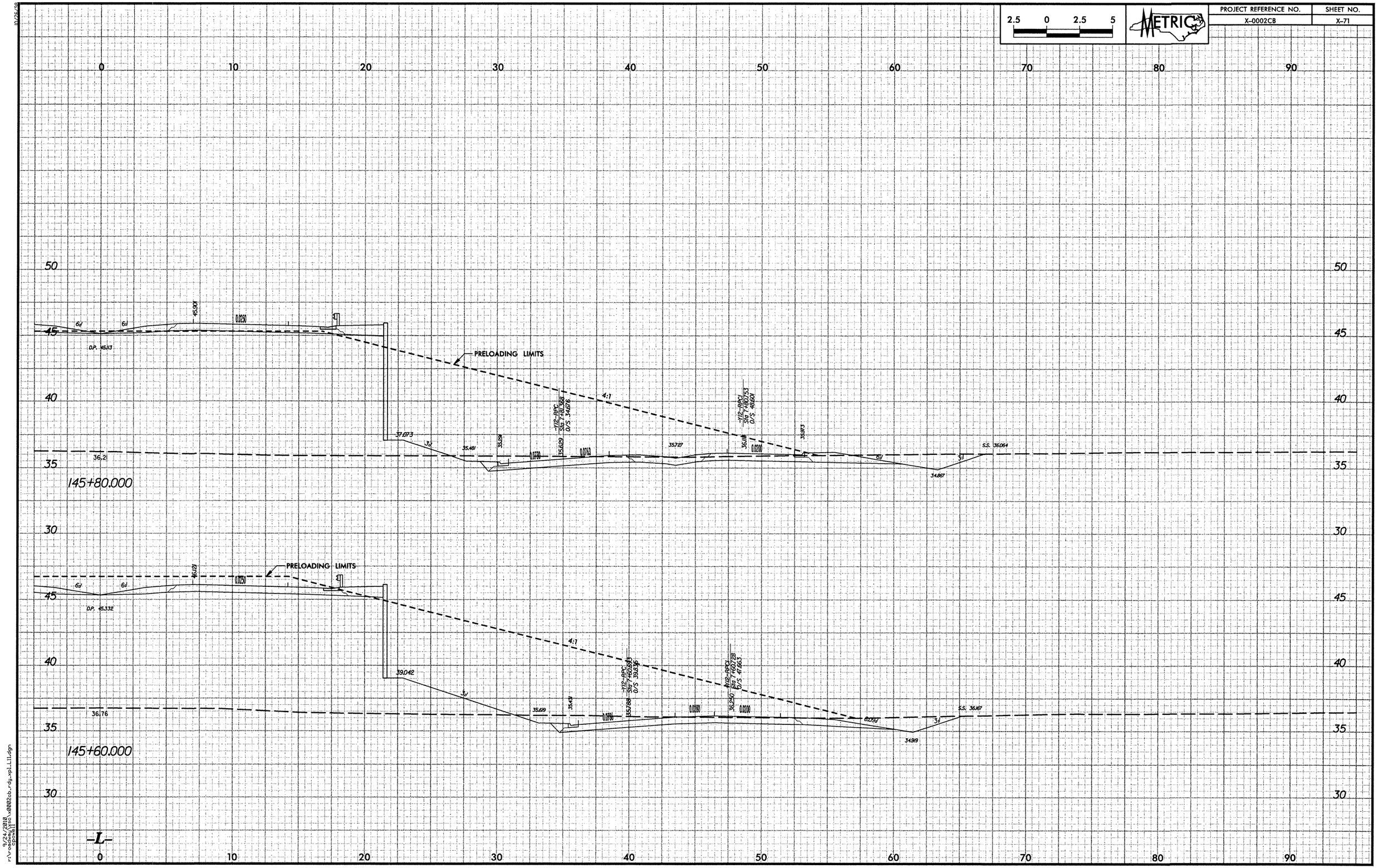


PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-69
METRIC
2.5 0 2.5 5
PRELOADING LIMITS
D.P. 46.210
41.474
37.672
37.467
37.401
S.S. 36.640
36.082
35.89
144+80.000
D.P. 46.430
42.012
38.290
38.084
38.029
S.S. 36.689
35.98
144+60.000
D.P. 46.649
42.770
38.991
38.781
38.746
S.S. 36.628
36.191
36.43
144+40.000
4:1
3:1
6:1
0.0250
0.0212
0.0215
0.0217
0.9
-L-



PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-70
METRIC
2.5 0 2.5 5
PRELOADING LIMITS
D.P. 45.552
40.243
36.060
35.026
S.S. 36.748
36.89
145+40.000
D.P. 45.771
40.767
36.486
35.239
S.S. 36.862
36.94
145+20.000
D.P. 45.991
41.094
37.030
35.525
S.S. 36.723
36.49
145+00.000
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-71



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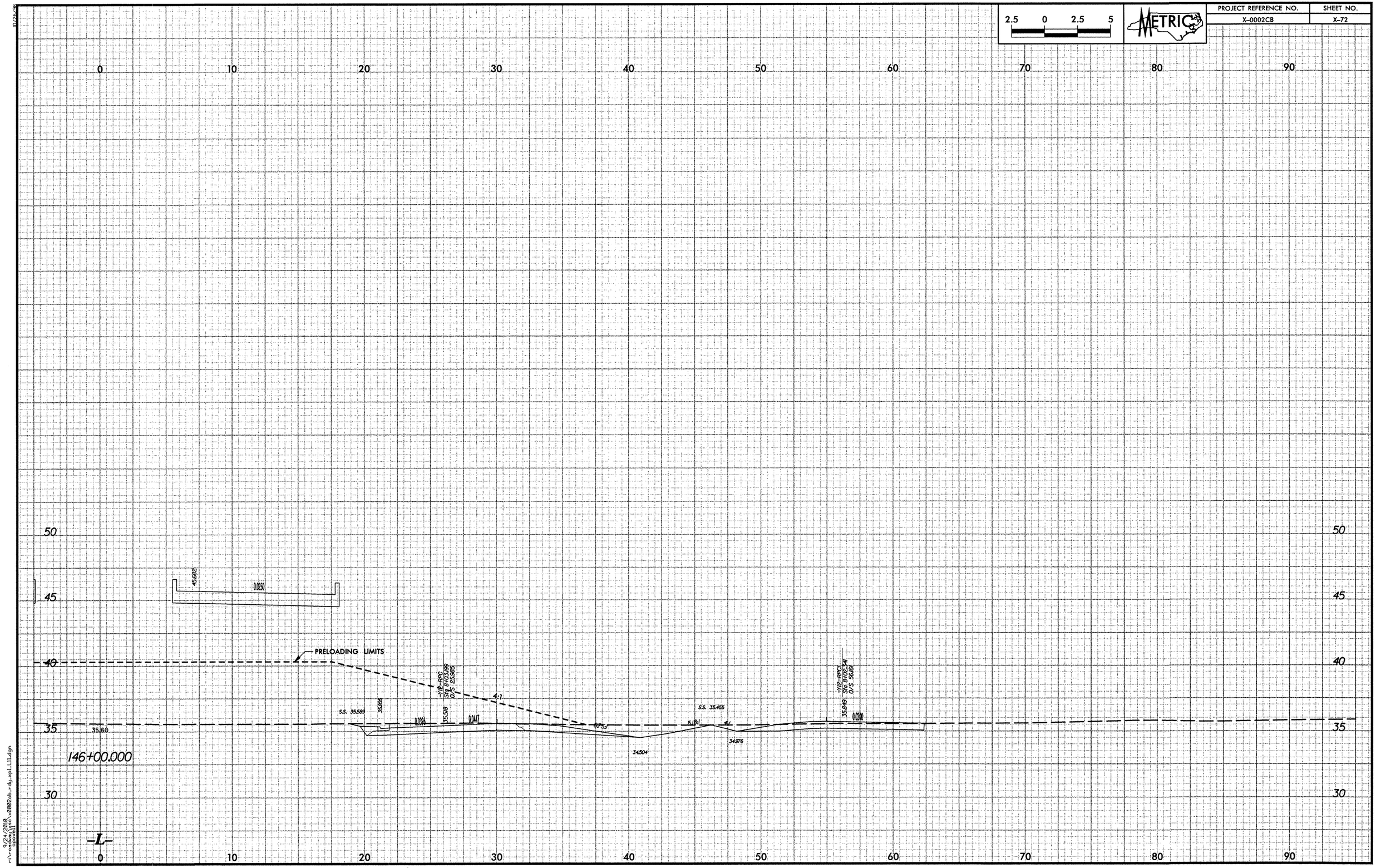
2.5 0 2.5 5

METRIC

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-72



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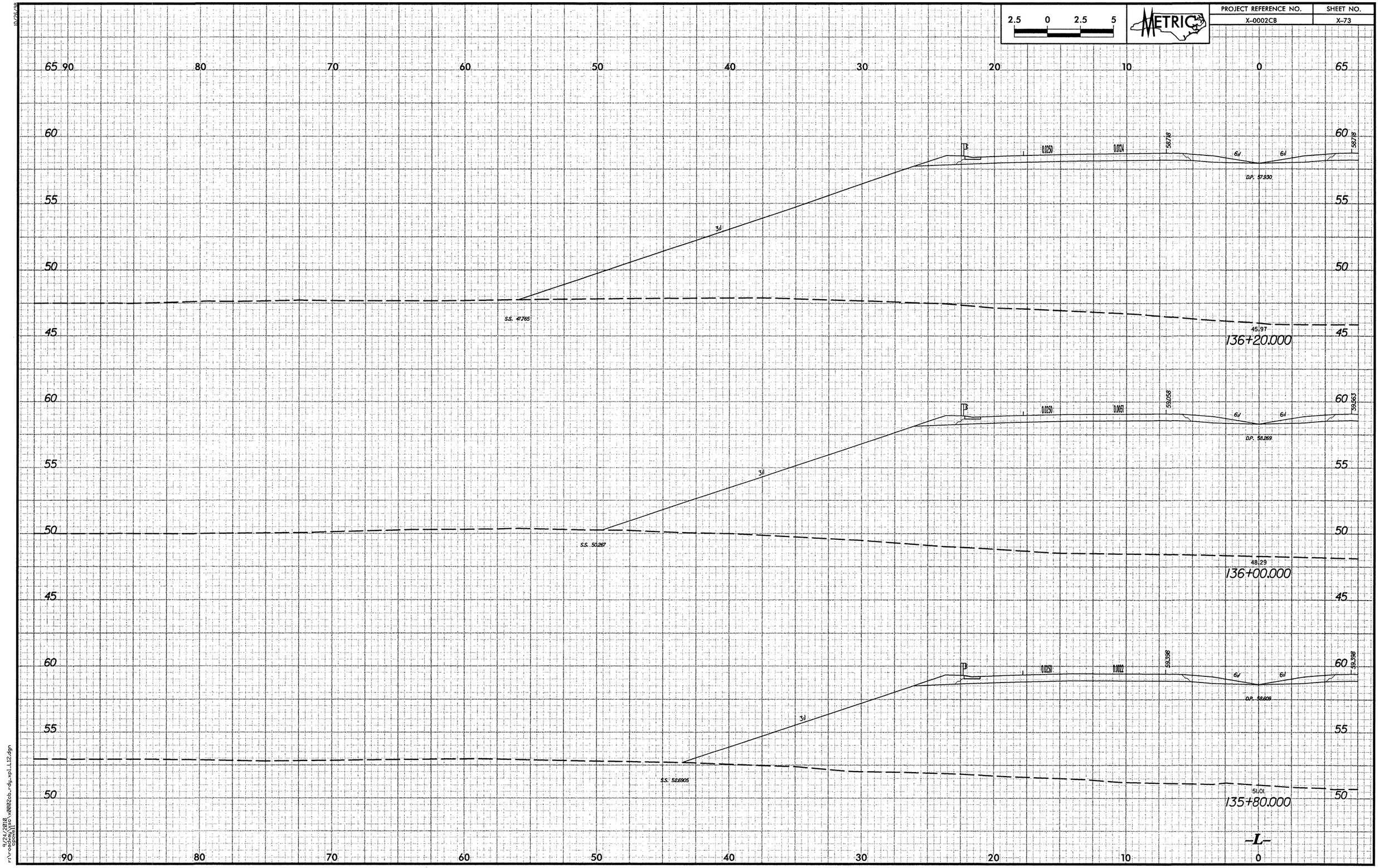
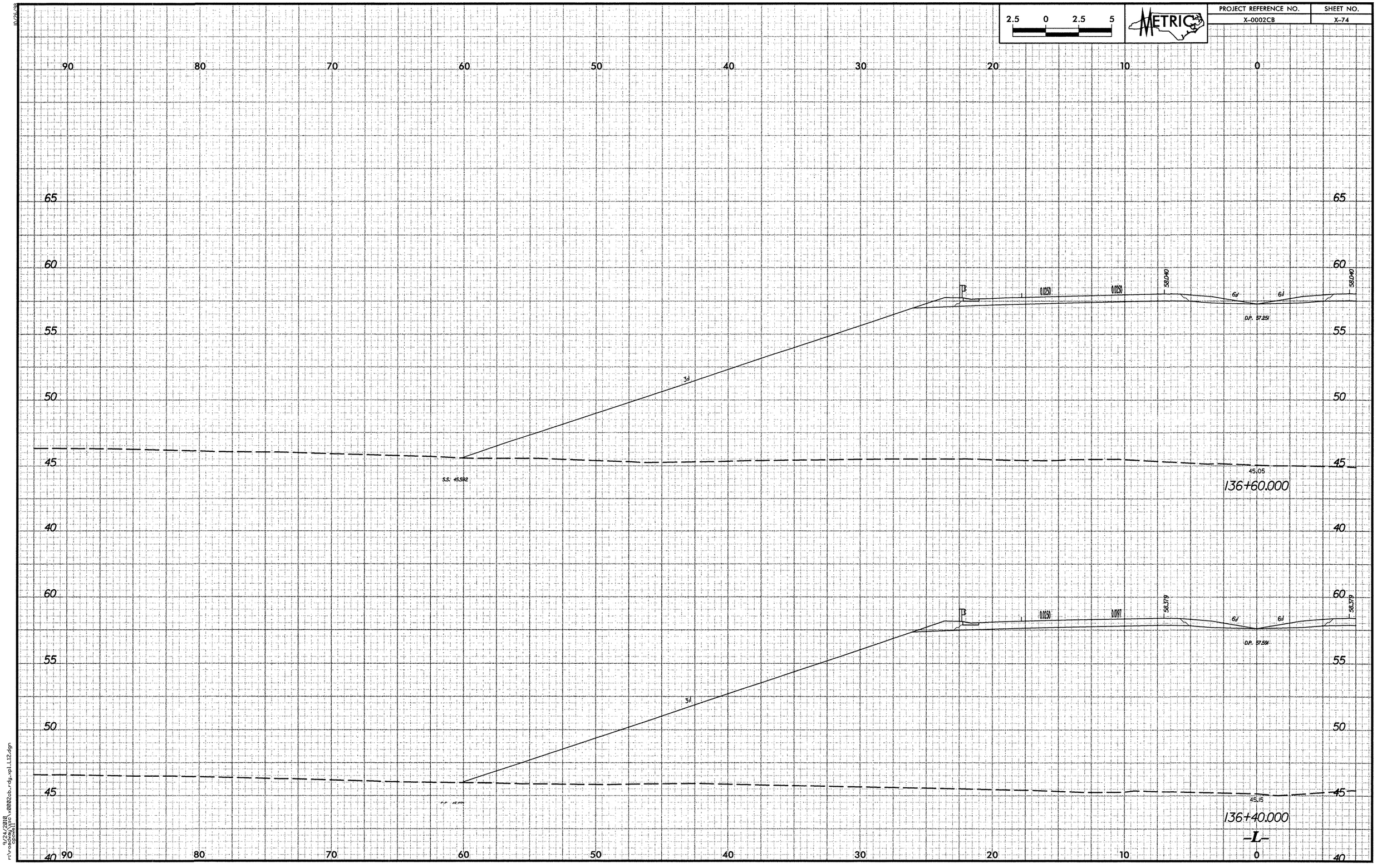
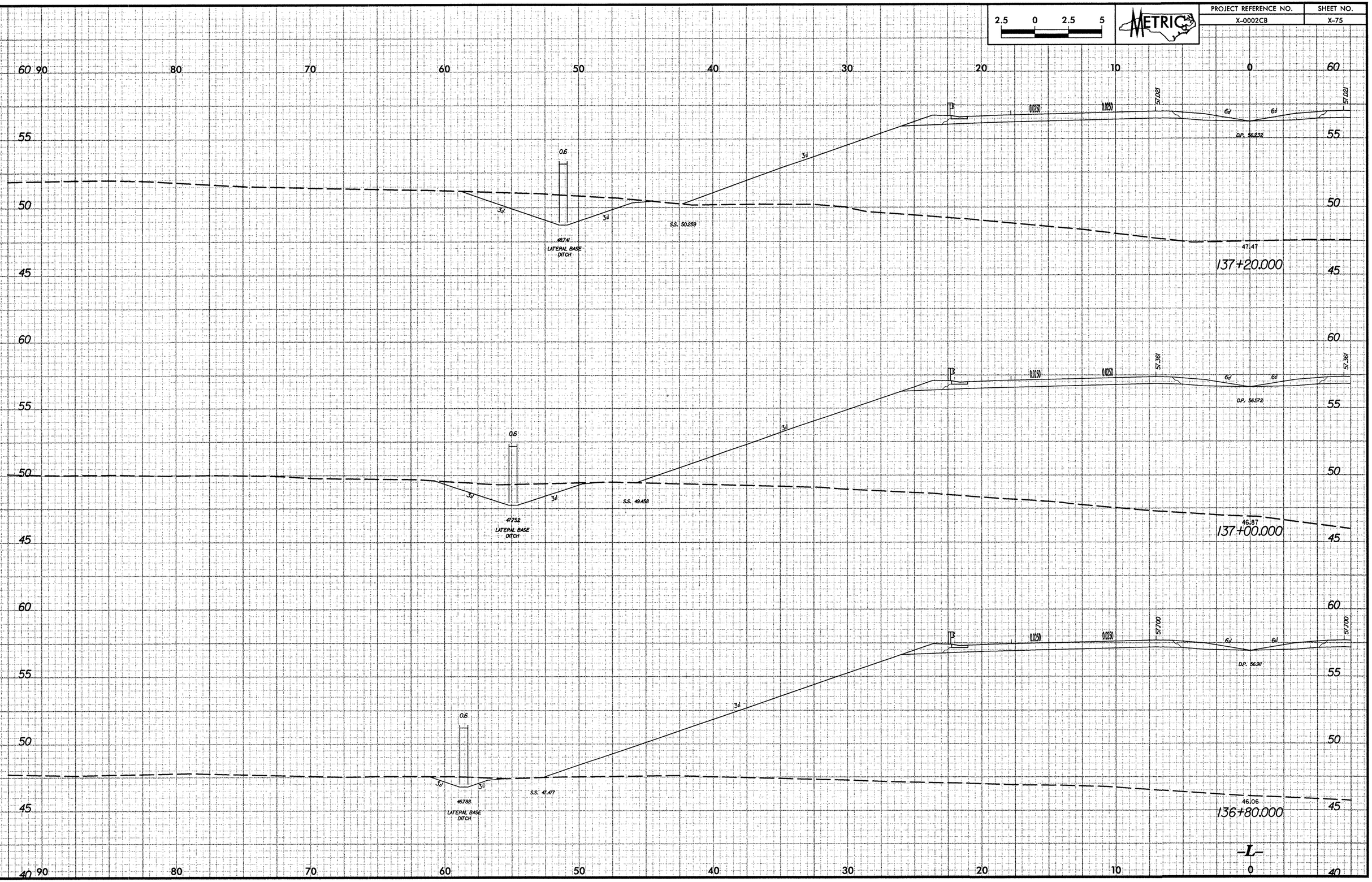


PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-73
2.5 0 2.5 5
METRIC
65 90 80 70 60 50 40 30 20 10 0 65
60
55
50
45
0.0250
0.0124
58.718
6:1
D.P. 57.930
3:1
S.S. 47.765
45.97
136+20.000
0.0250
0.0051
59.058
59.563
D.P. 58.269
S.S. 50.267
48.29
136+00.000
0.0250
0.0022
59.398
D.P. 58.609
S.S. 52.6905
51.01
135+80.000
-L-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-74
90 80 70 60 50 40 30 20 10 0
65 60 55 50 45 40
0.0250
0.0250
58.040
6:1
6:1
58.040
D.P. 57.251
3:1
S.S. 45.592
45.05
136+60.000
0.0250
0.0097
58.379
6:1
6:1
58.379
D.P. 57.591
3:1
45.15
136+40.000
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-75



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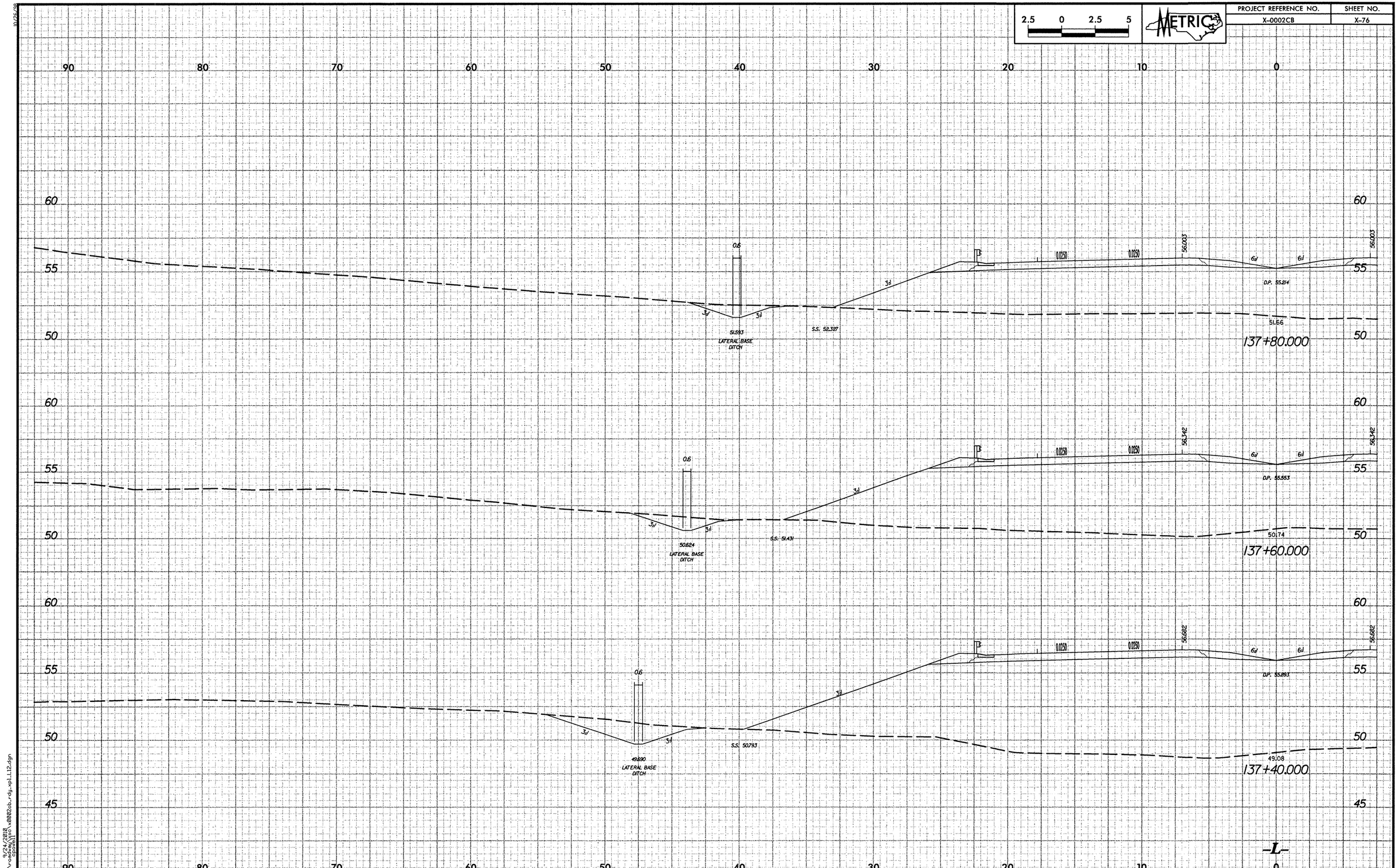
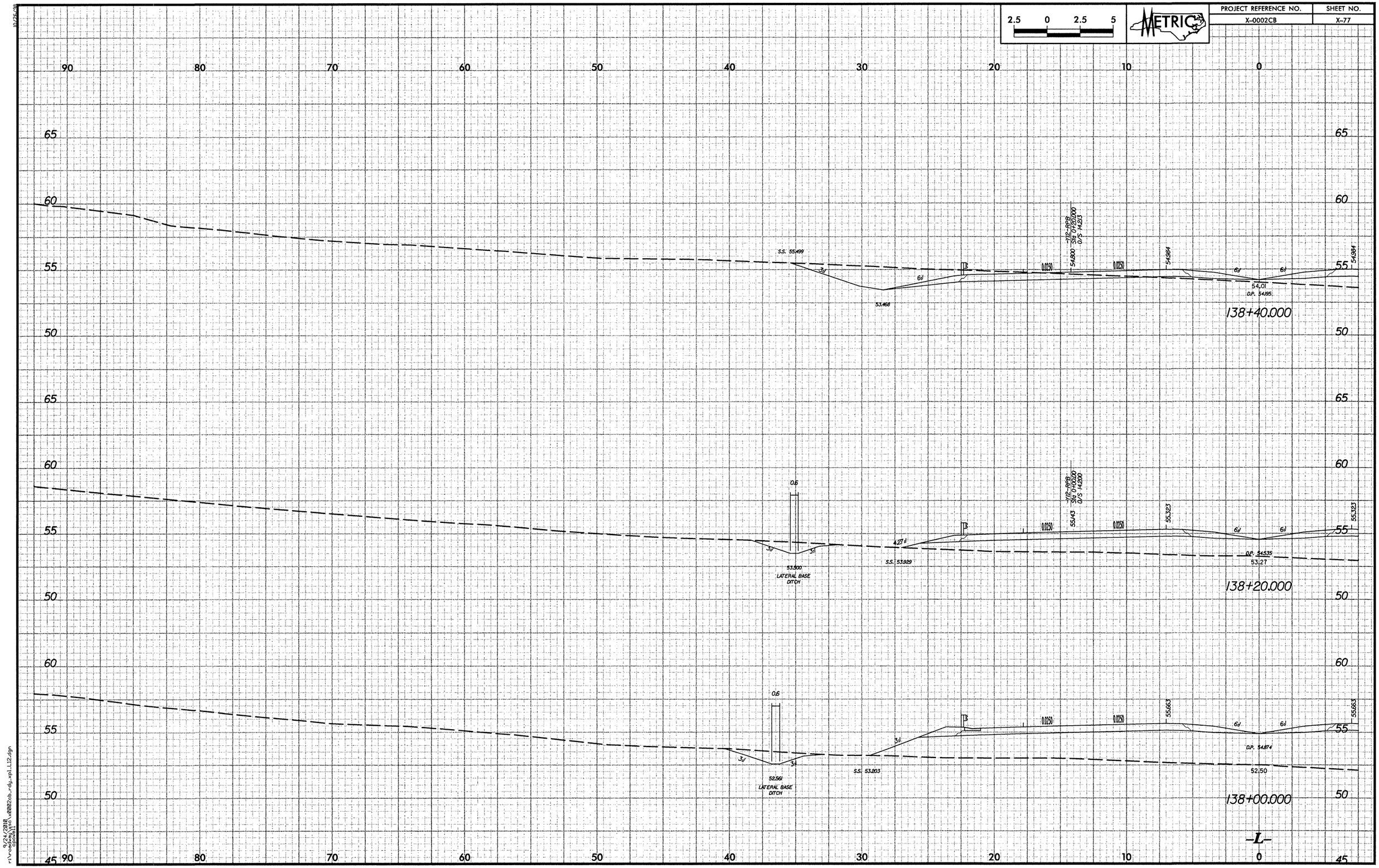
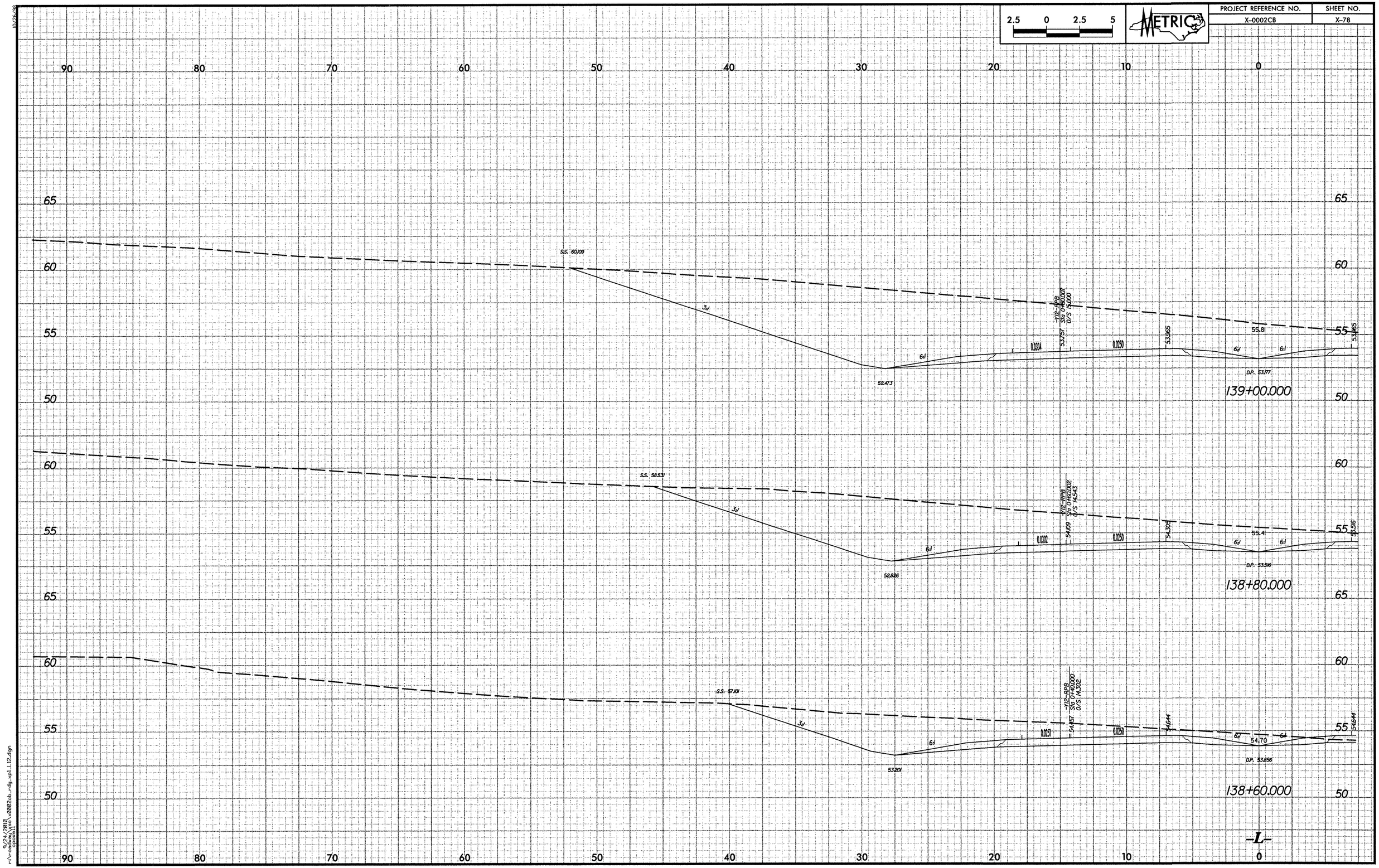


PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-76
2.5 0 2.5 5
METRIC
90 80 70 60 50 40 30 20 10 0
60 55 50 45
0.6
3:1
51.593
LATERAL BASE DITCH
S.S. 52.327
0.0250
56.003
6:1
D.P. 55.214
51.66
137+80.000
56.342
D.P. 55.553
50.624
S.S. 51.431
50.74
137+60.000
56.682
D.P. 55.893
49.690
S.S. 50.793
49.08
137+40.000
-L-



PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-77
METRIC
2.5 0 2.5 5
90 80 70 60 50 40 30 20 10 0
65 60 55 50 45
S.S. 55.499
53.468
54.800
-Y12-RPB
Sta 0+20.000
O/S 14.213
0.0250
54.984
54.01
D.P. 54.195
138+40.000
0.6
53.500
LATERAL BASE DITCH
S.S. 53.929
55.143
-Y12-RPB
Sta 0+00.00
O/S 14.200
55.323
D.P. 54.535
53.27
138+20.000
52.561
LATERAL BASE DITCH
S.S. 53.203
55.663
D.P. 54.874
52.50
138+00.000
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-78



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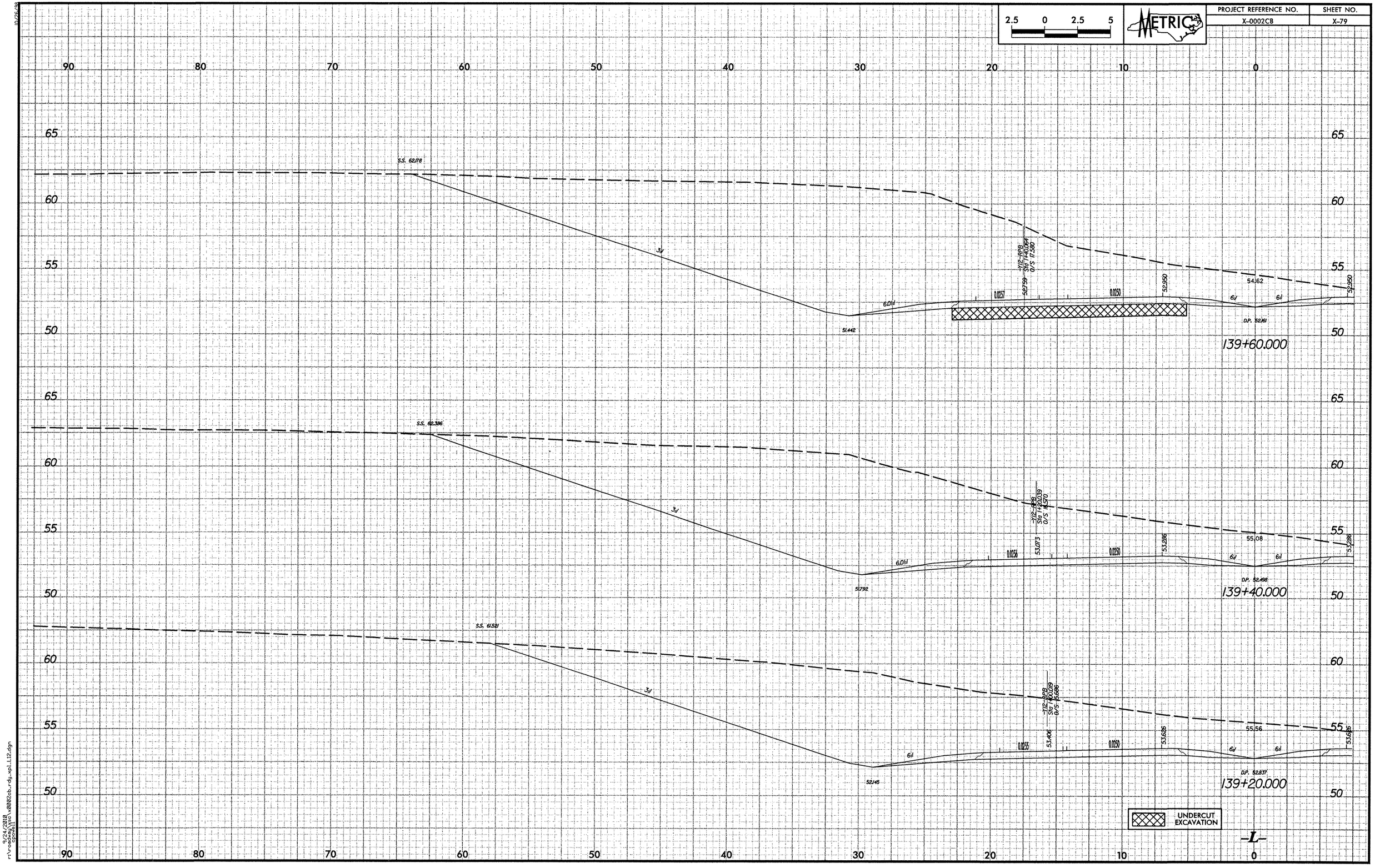
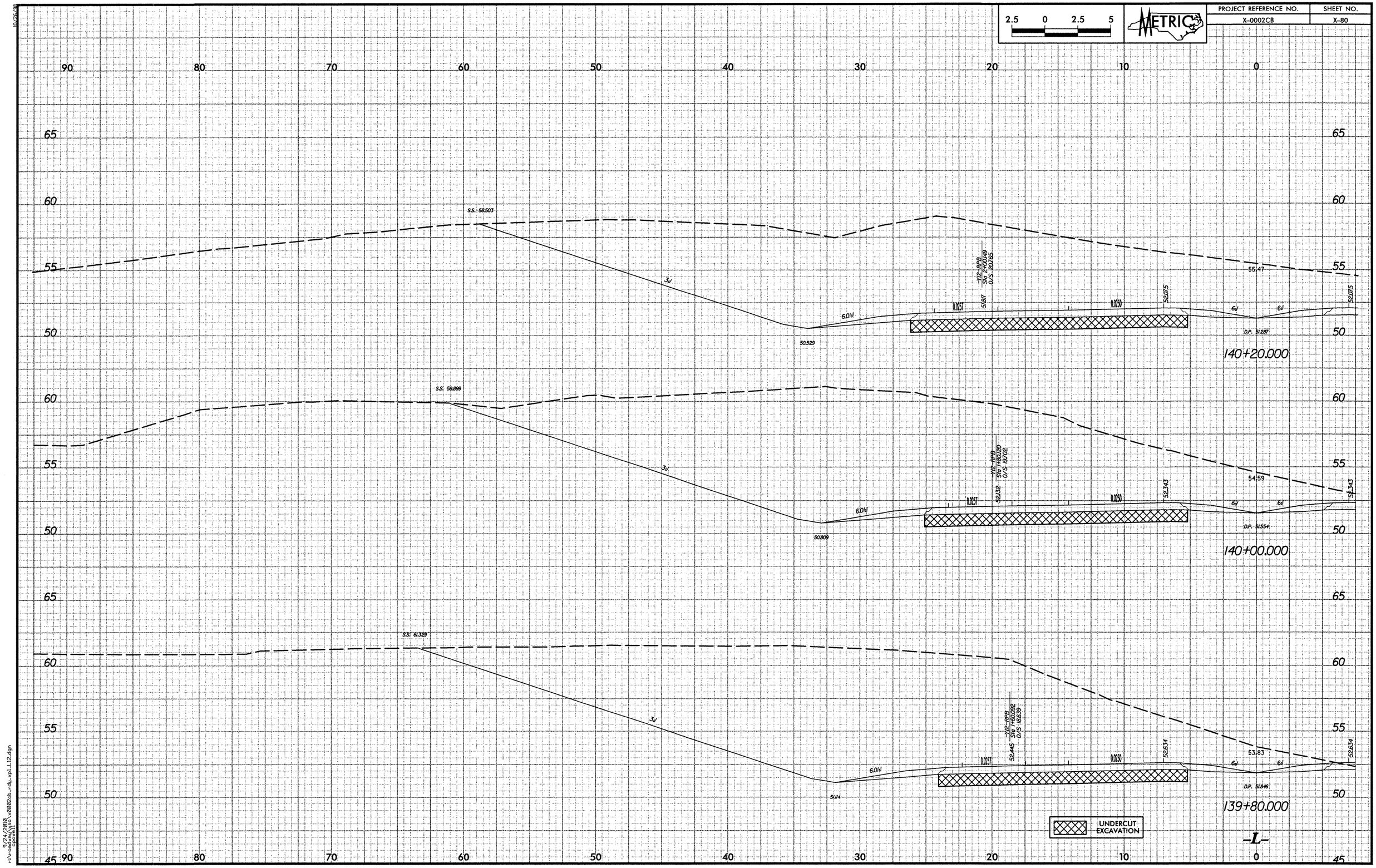
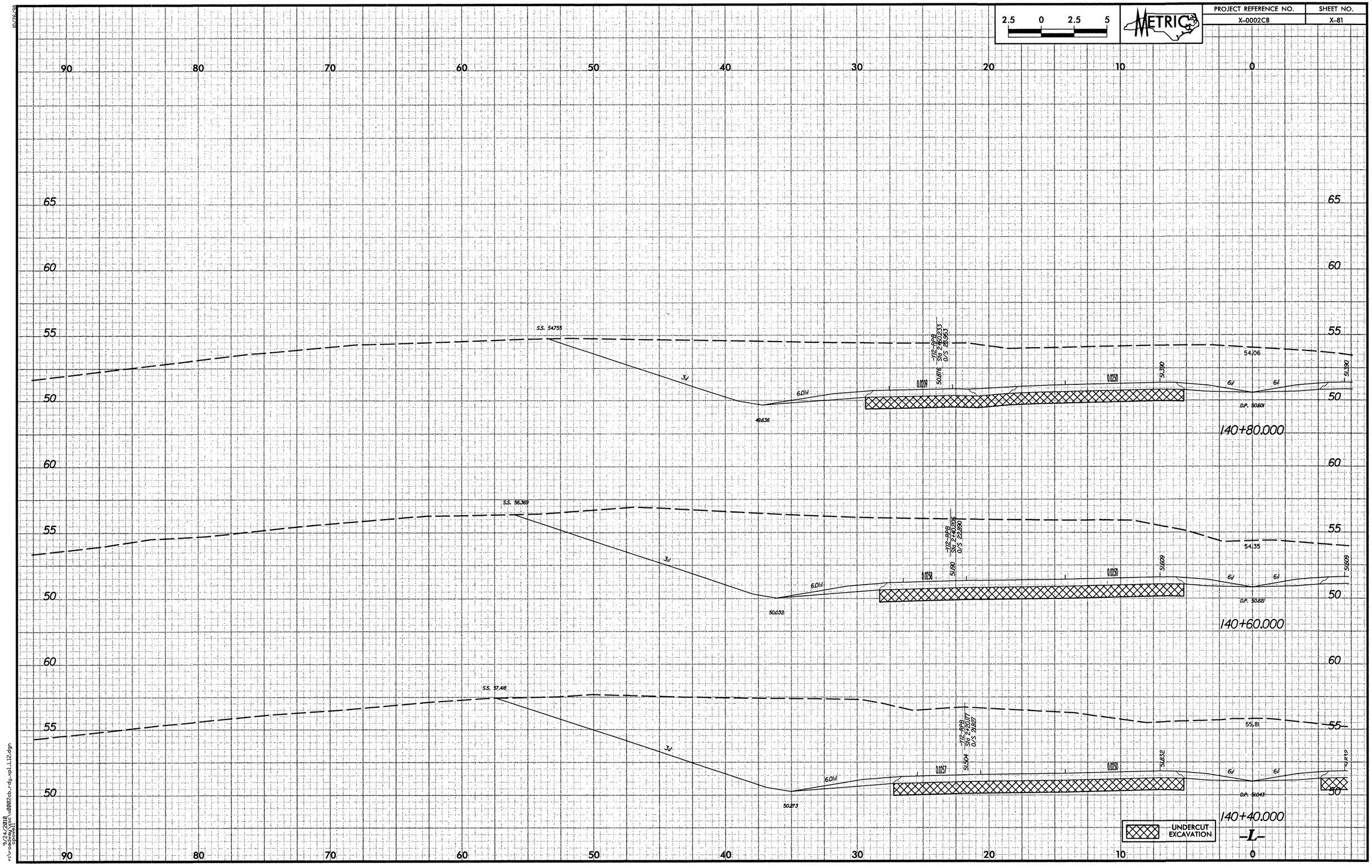
cpowell



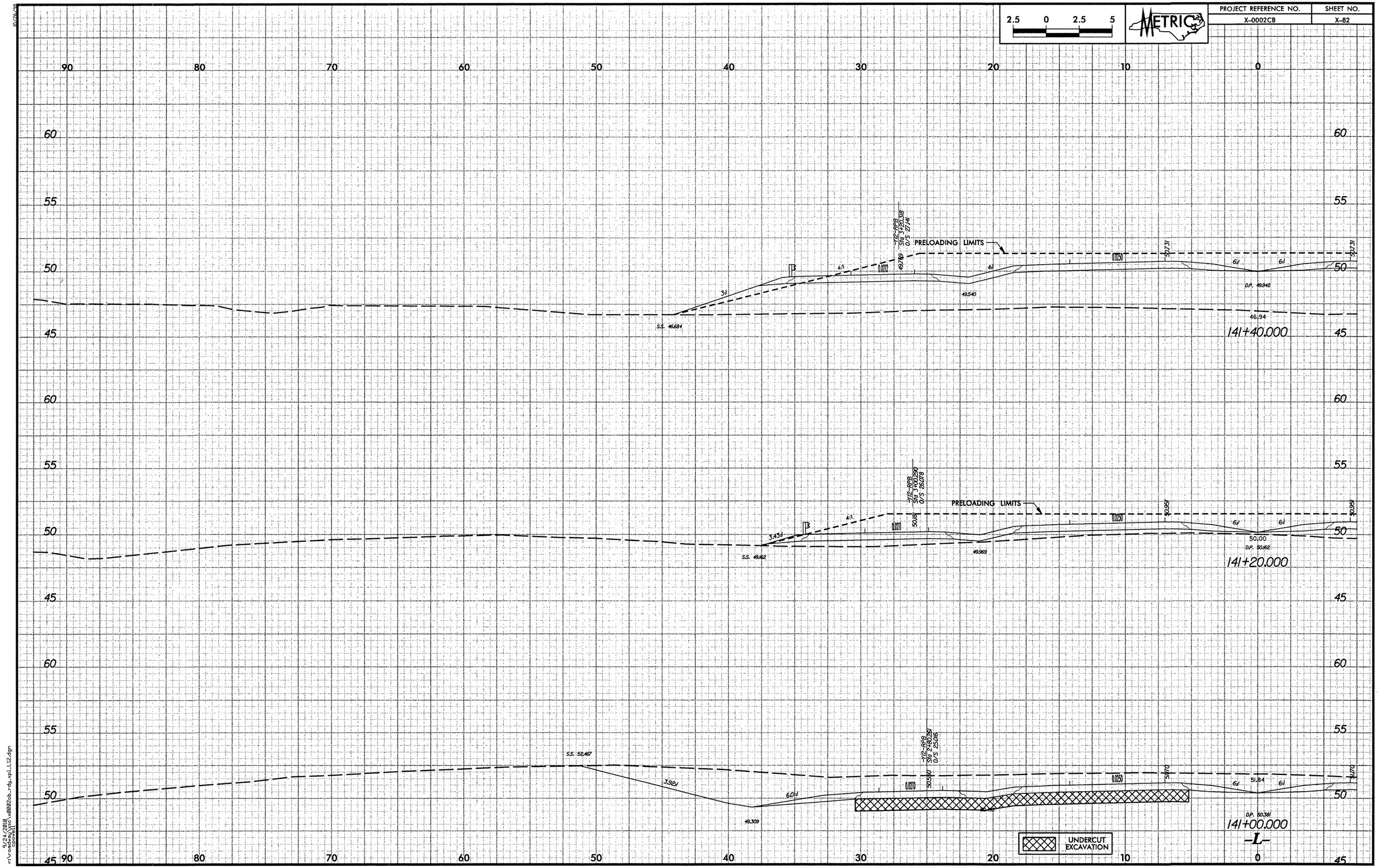
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-79
2.5 0 2.5 5
METRIC
90 80 70 60 50 40 30 20 10 0
65 60 55 50
S.S. 62.178
3:1
6.01:1
0.0257
0.0250
52.759
52.950
54.62
6:1
51.442
D.P. 52.161
139+60.000
S.S. 62.386
3:1
6.01:1
0.0256
0.0250
53.073
53.286
55.08
6:1
51.792
D.P. 52.498
139+40.000
S.S. 61.521
3:1
6:1
0.0255
0.0250
53.406
53.626
55.56
6:1
52.145
D.P. 52.837
139+20.000
UNDERCUT EXCAVATION
-L-



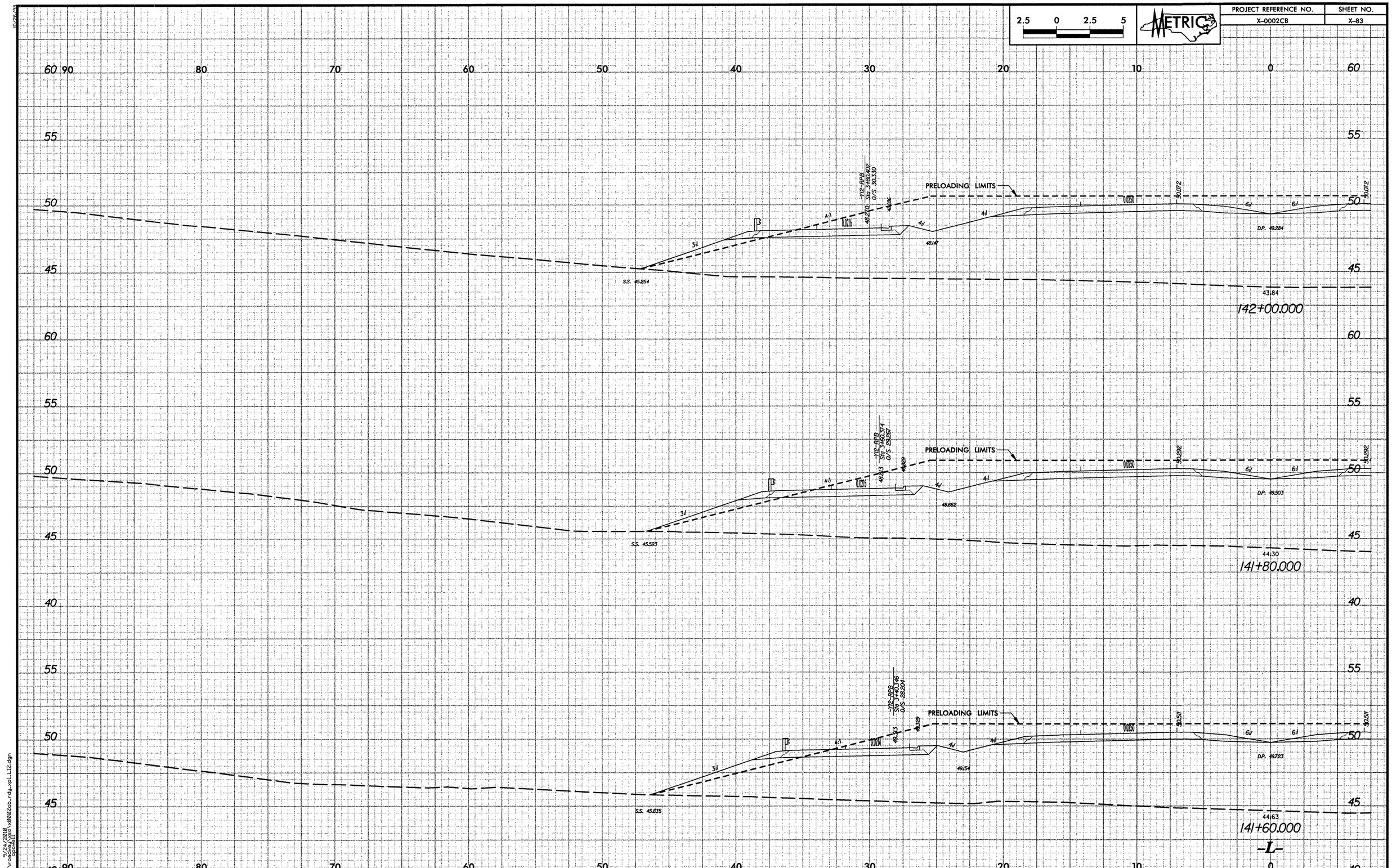
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-80
METRIC
2.5 0 2.5 5
S.S. 58.503
S.S. 59.899
S.S. 61.329
140+20.000
140+00.000
139+80.000
UNDERCUT EXCAVATION
-L-



PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-81
2.5 0 2.5 5
METRIC
90 80 70 60 50 40 30 20 10 0
65 60 55 50
S.S. 54.755
3:1
6.01:1
49.636
0.0209
50.876
-Y12-RPB
Sta 2+60.233
O/S 26.953
0.0250
51.390
6:1
54.06
D.P. 50.601
140+80.000
S.S. 56.369
50.032
0.0258
51.190
-Y12-RPB
Sta 2+40.206
O/S 22.890
0.0250
51.609
54.35
D.P. 50.821
140+60.000
S.S. 57.418
50.273
0.0257
51.504
-Y12-RPB
Sta 2+20.177
O/S 21.827
0.0250
51.832
55.81
D.P. 51.043
140+40.000
UNDERCUT EXCAVATION
-L-

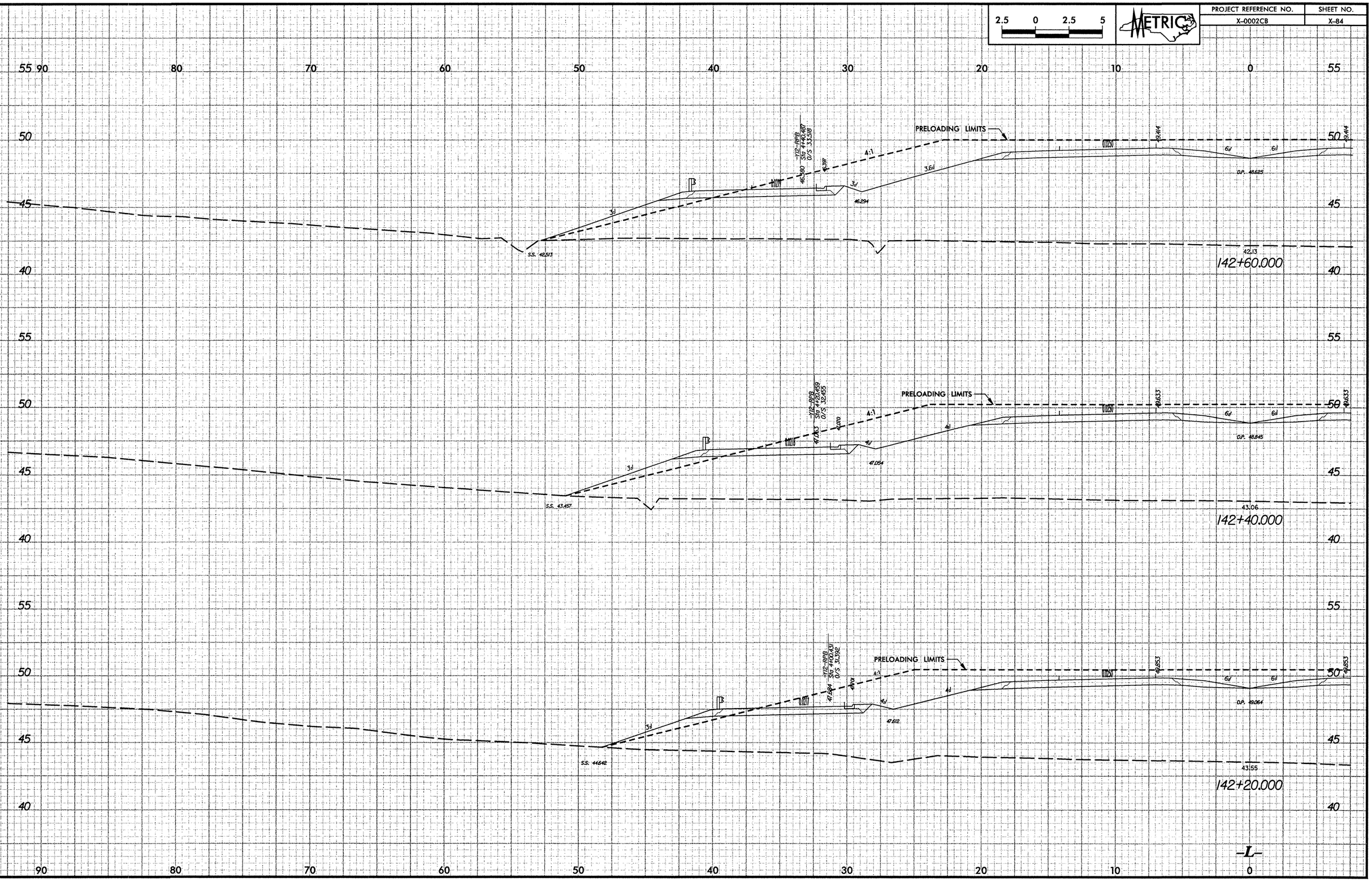


PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-82
METRIC
2.5 0 2.5 5
PRELOADING LIMITS
S.S. 46.684
49.540
D.P. 49.942
46.94
141+40.000
PRELOADING LIMITS
S.S. 49.162
49.969
50.00
D.P. 50.162
141+20.000
S.S. 52.467
49.309
51.84
D.P. 50.381
141+00.000
UNDERCUT EXCAVATION
-L-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-83
PRELOADING LIMITS
S.S. 45.254
D.P. 49.284
43.84
142+00.000
PRELOADING LIMITS
S.S. 45.593
D.P. 49.503
44.30
141+80.000
PRELOADING LIMITS
S.S. 45.835
D.P. 49.723
44.63
141+60.000
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-84



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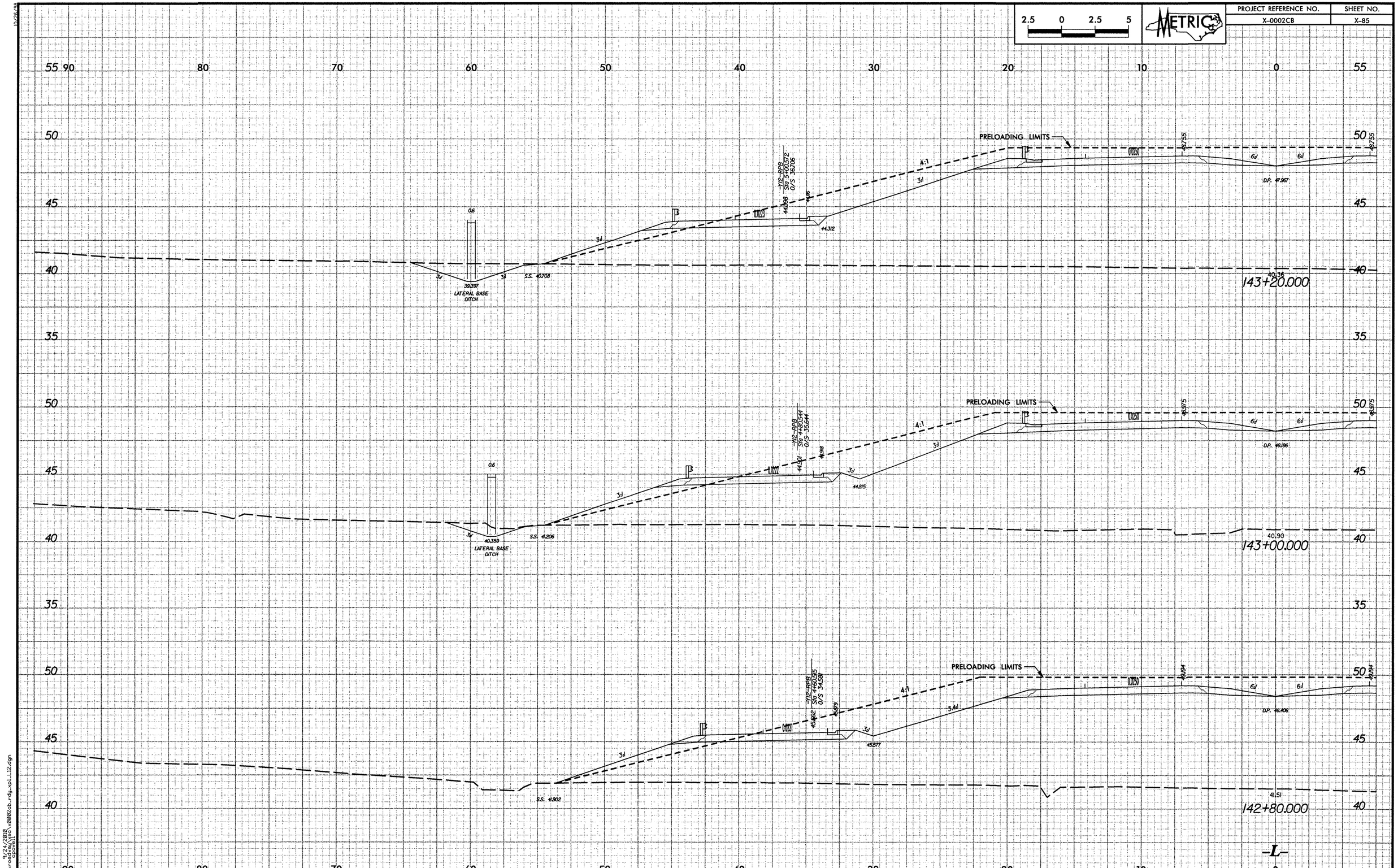
cpowell

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-85



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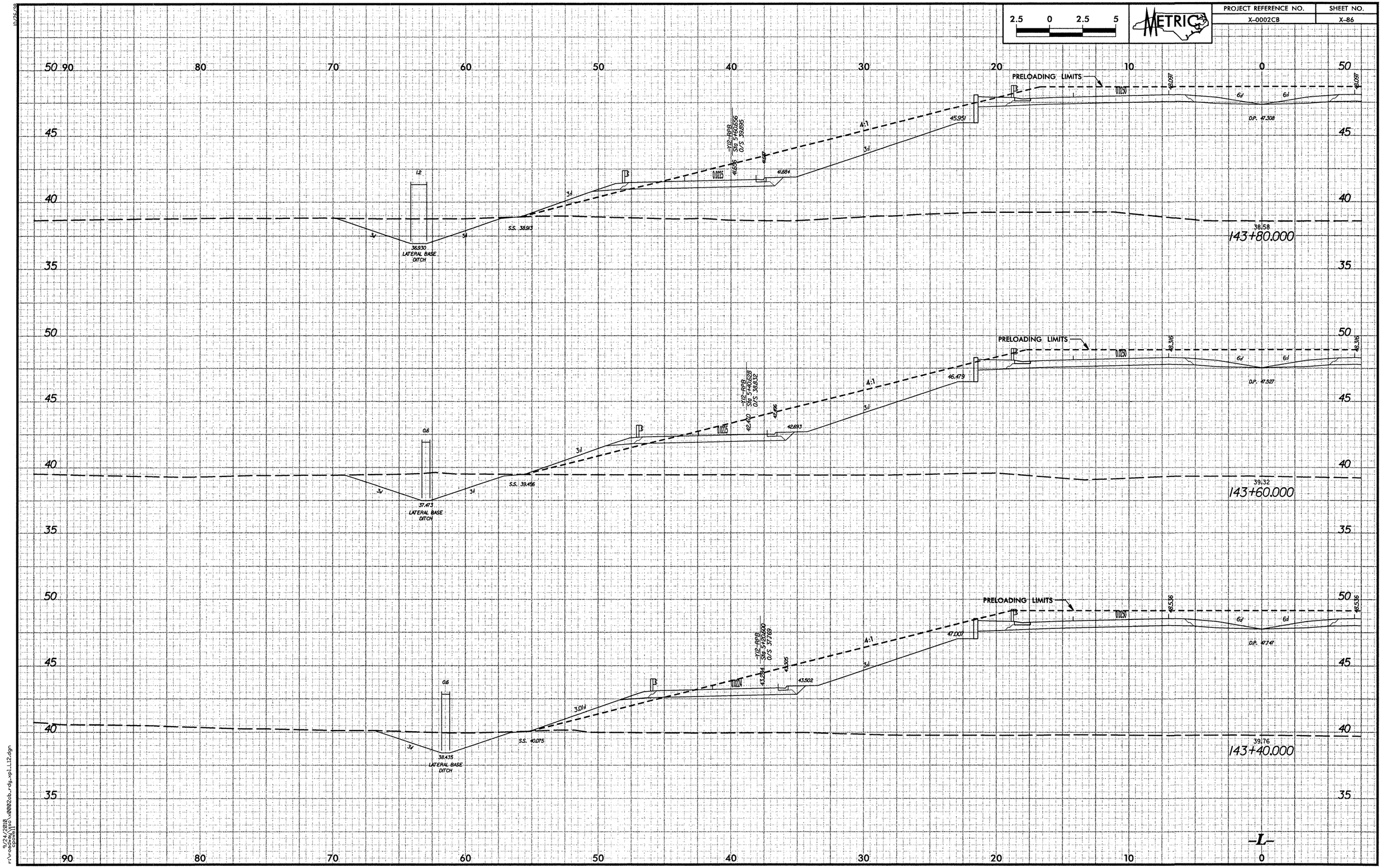
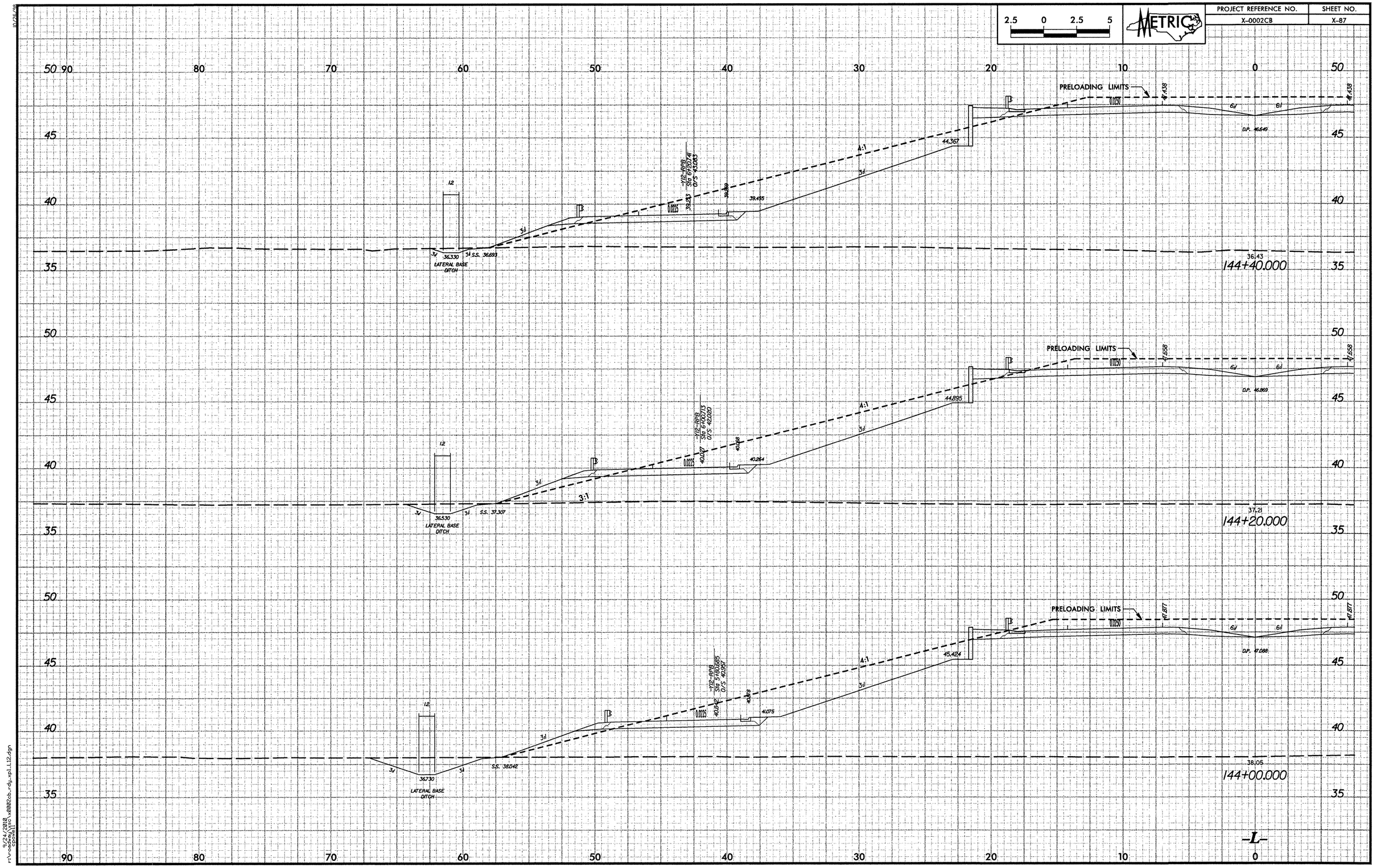
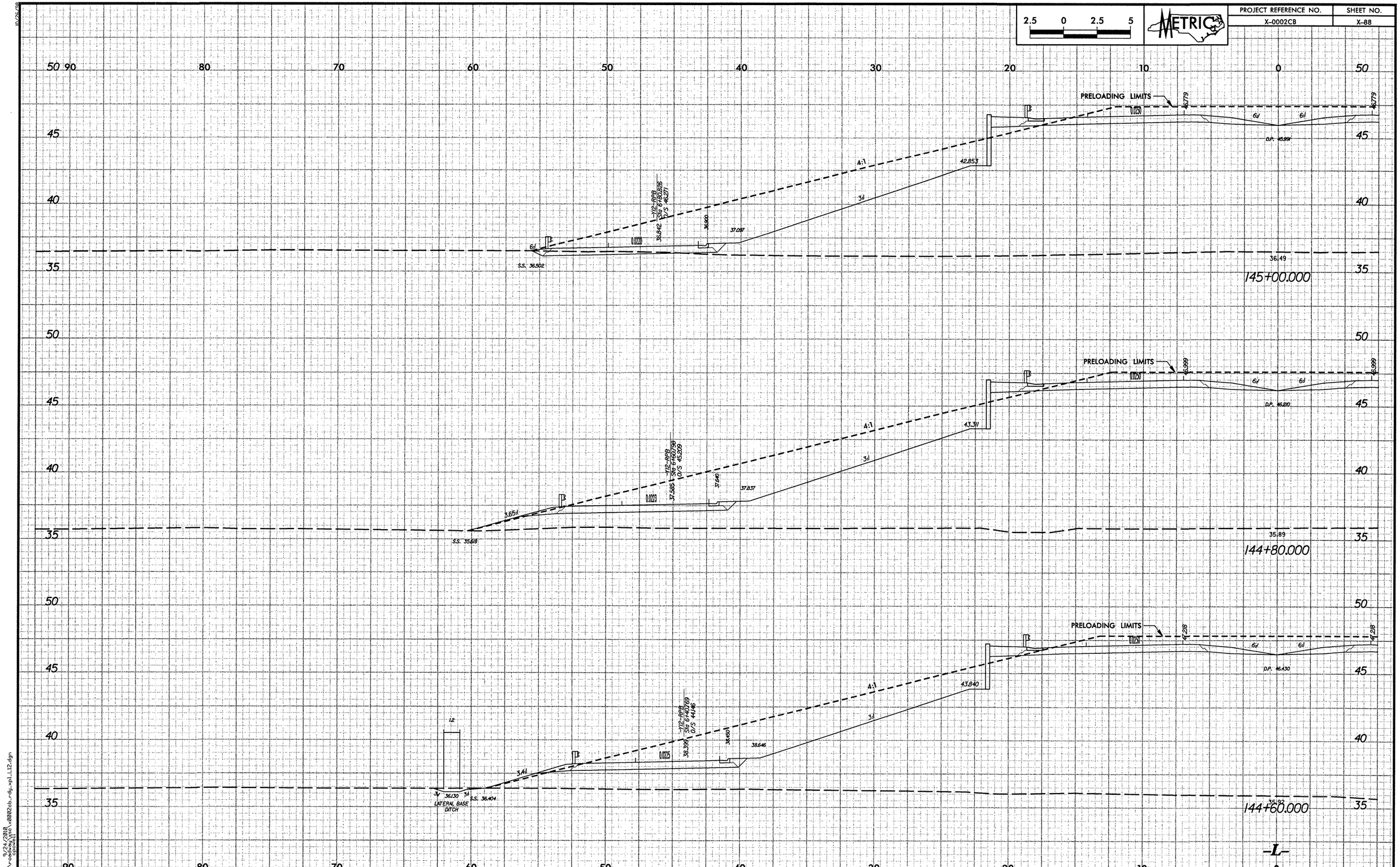
cpowell



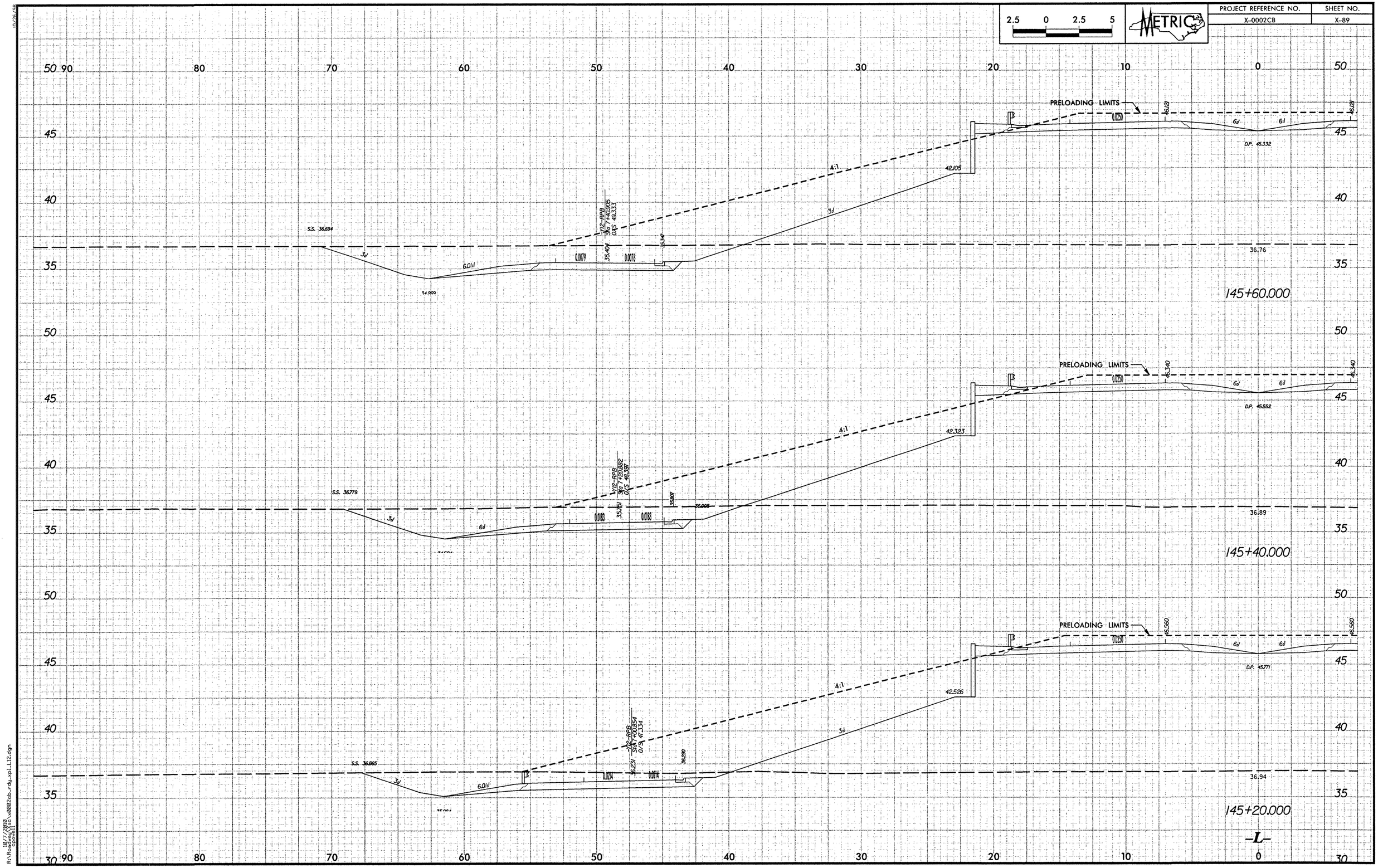
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-86
METRIC
2.5 0 2.5 5
PRELOADING LIMITS
-Y12-RPB
Sta 5+60.656
O/S 39.895
41.884
45.951
D.P. 47.308
S.S. 38.913
36.930
LATERAL BASE DITCH
38.58
143+80.000
-Y12-RPB
Sta 5+40.628
O/S 38.832
42.693
46.479
D.P. 47.527
S.S. 39.456
37.473
LATERAL BASE DITCH
39.32
143+60.000
-Y12-RPB
Sta 5+20.600
O/S 37.769
43.502
47.007
D.P. 47.747
S.S. 40.075
38.435
LATERAL BASE DITCH
39.76
143+40.000
-L-



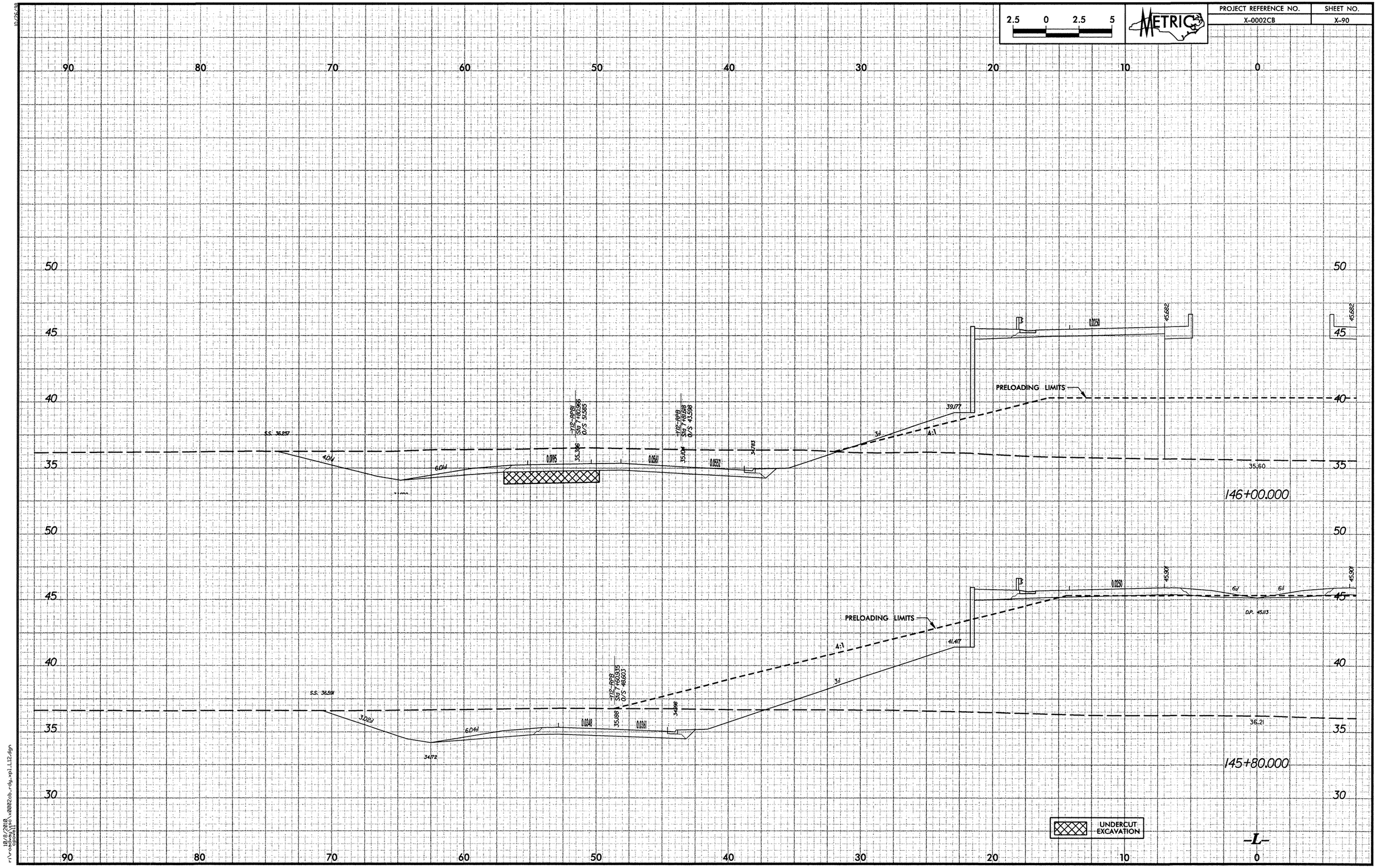
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-87
METRIC
2.5 0 2.5 5
PRELOADING LIMITS
44.367
39.455
36.330
S.S. 36.693
LATERAL BASE DITCH
36.43
144+40.000
D.P. 46.649
44.895
40.264
36.530
S.S. 37.307
37.21
144+20.000
D.P. 46.869
45.424
41.075
36.730
S.S. 38.042
38.05
144+00.000
D.P. 47.088
-L-



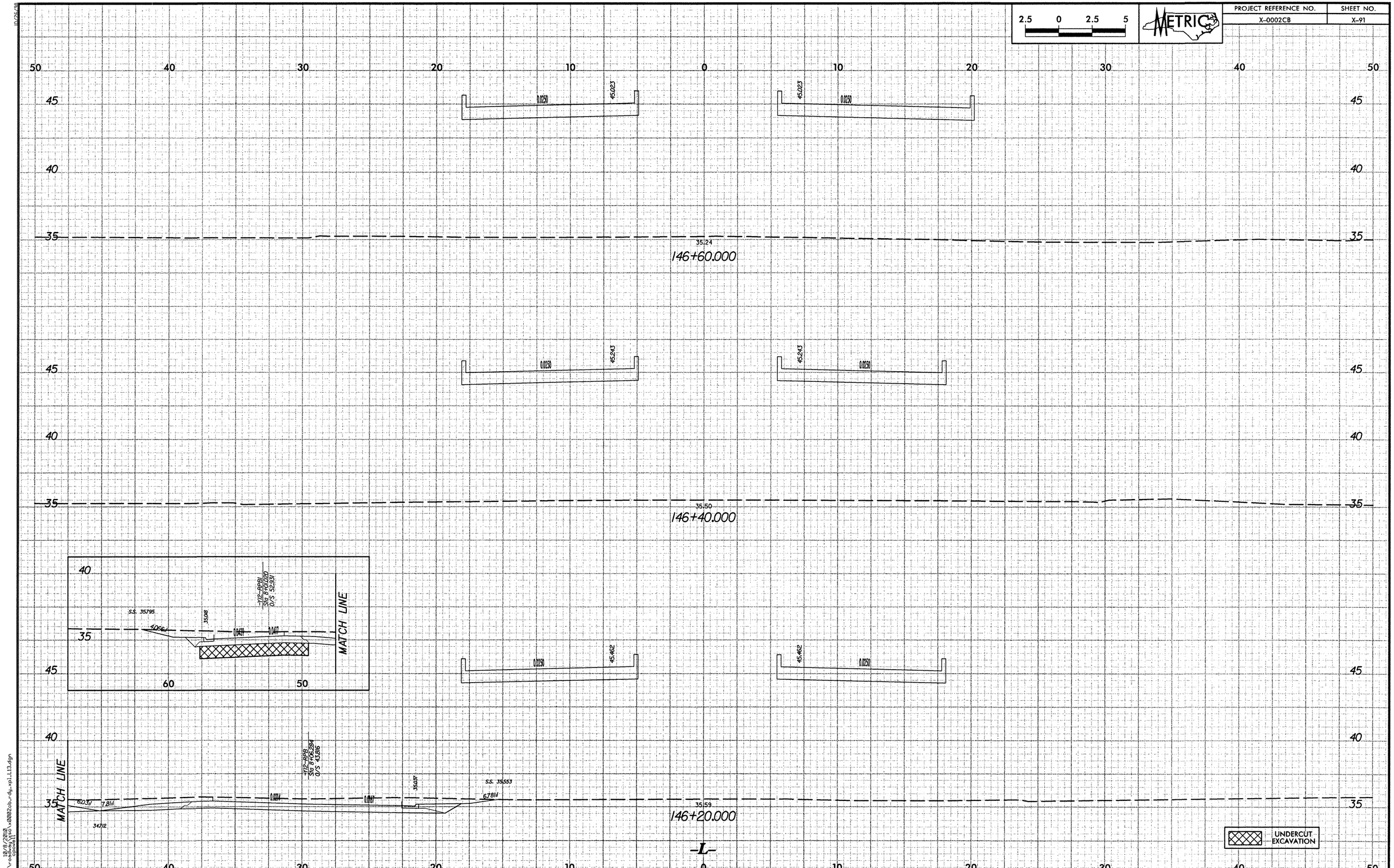
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-88
METRIC
2.5 0 2.5 5
PRELOADING LIMITS
145+00.000
144+80.000
144+60.000
LATERAL BASE DITCH
-L-



PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-89
METRIC
2.5 0 2.5 5
PRELOADING LIMITS
145+60.000
145+40.000
145+20.000
-L-



PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-90
METRIC
2.5 0 2.5 5
90 80 70 60 50 40 30 20 10 0
50 45 40 35 30
PRELOADING LIMITS
146+00.000
145+80.000
UNDERCUT EXCAVATION
-L-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-91
50 40 30 20 10 0 10 20 30 40 50
45
40
35
0.0250
45.023
35.24
146+60.000
45.243
35.50
146+40.000
45.462
35.59
146+20.000
MATCH LINE
S.S. 35795
35.08
-Y12-RPB1
Sta 8+01.020
O/S 52.931
60
50
-Y12-RPB
Sta 8+06.284
O/S 43.816
S.S. 35553
6.03:1
7.81:1
34.712
-L-
UNDERCUT EXCAVATION
10/8/2010
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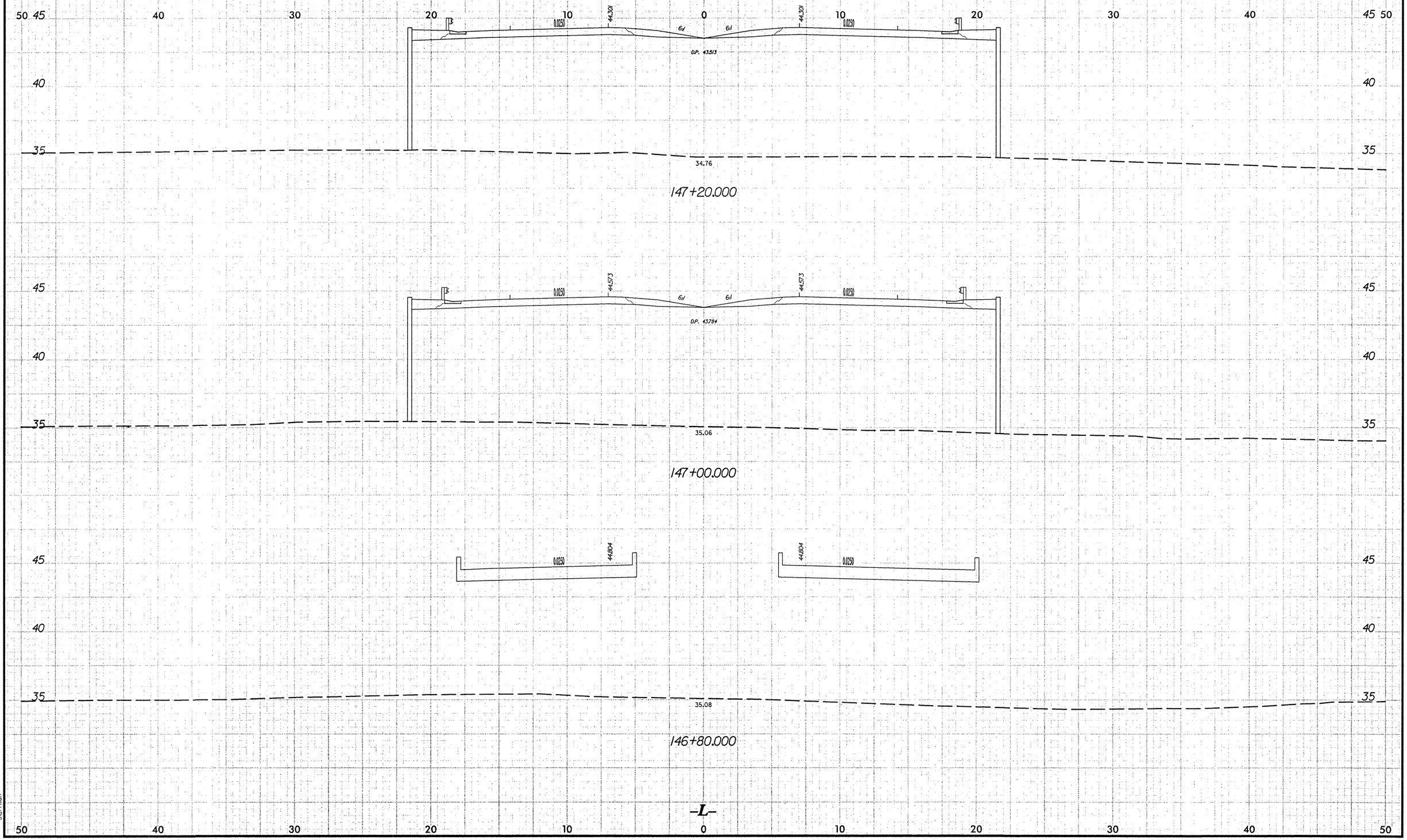
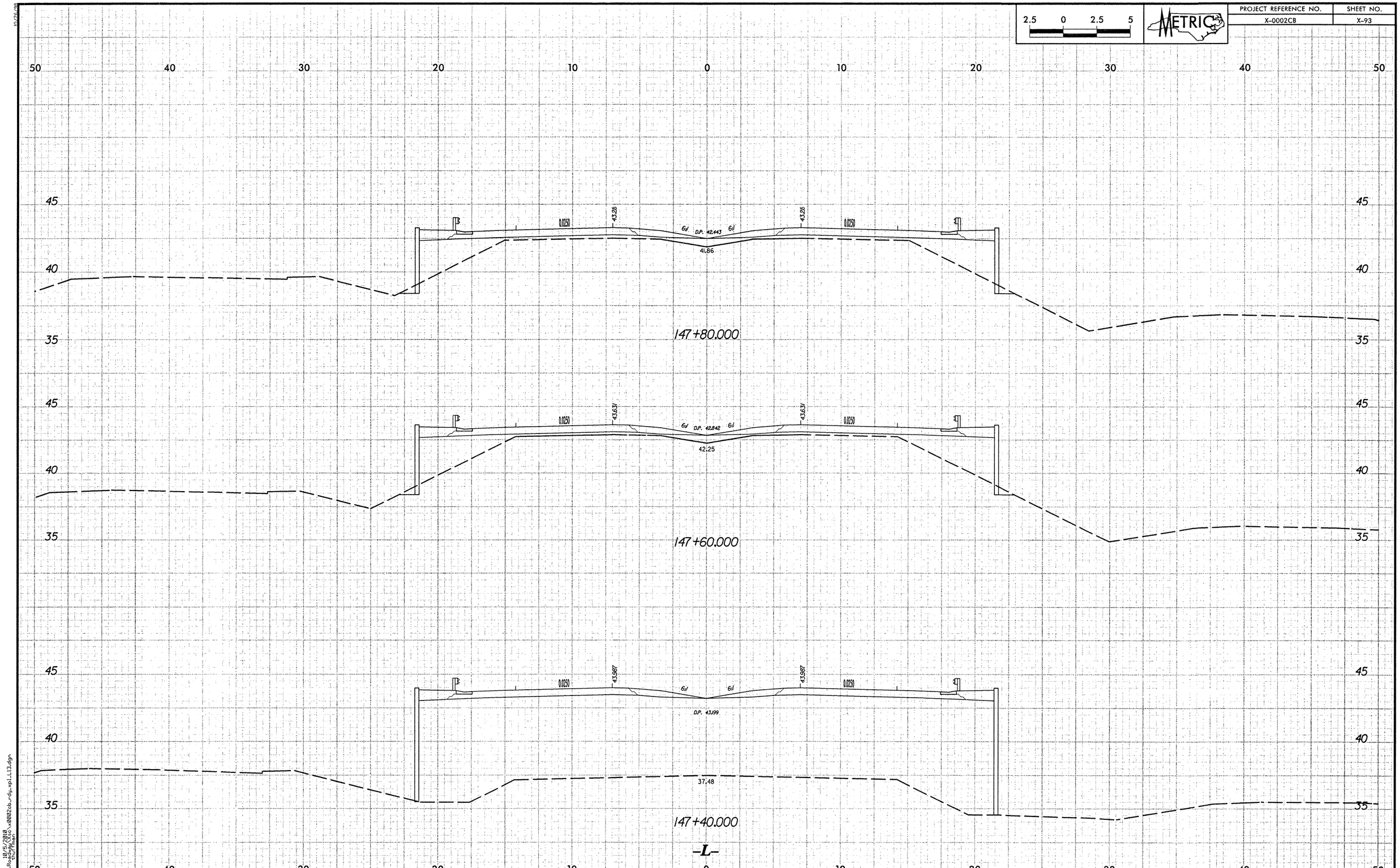
cpowell



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-92
50 45 40 30 20 10 0 10 20 30 40 45 50
0.0250
44.301
6:1
6:1
44.301
0.0250
D.P. 43.513
40
35
34.76
147+20.000
45
0.0250
44.573
6:1
6:1
44.573
0.0250
D.P. 43.784
40
35
35.06
147+00.000
45
0.0250
44.804
44.804
0.0250
40
35
35.08
146+80.000
-L-
50 40 30 20 10 0 10 20 30 40 50

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-93



10/5/2010
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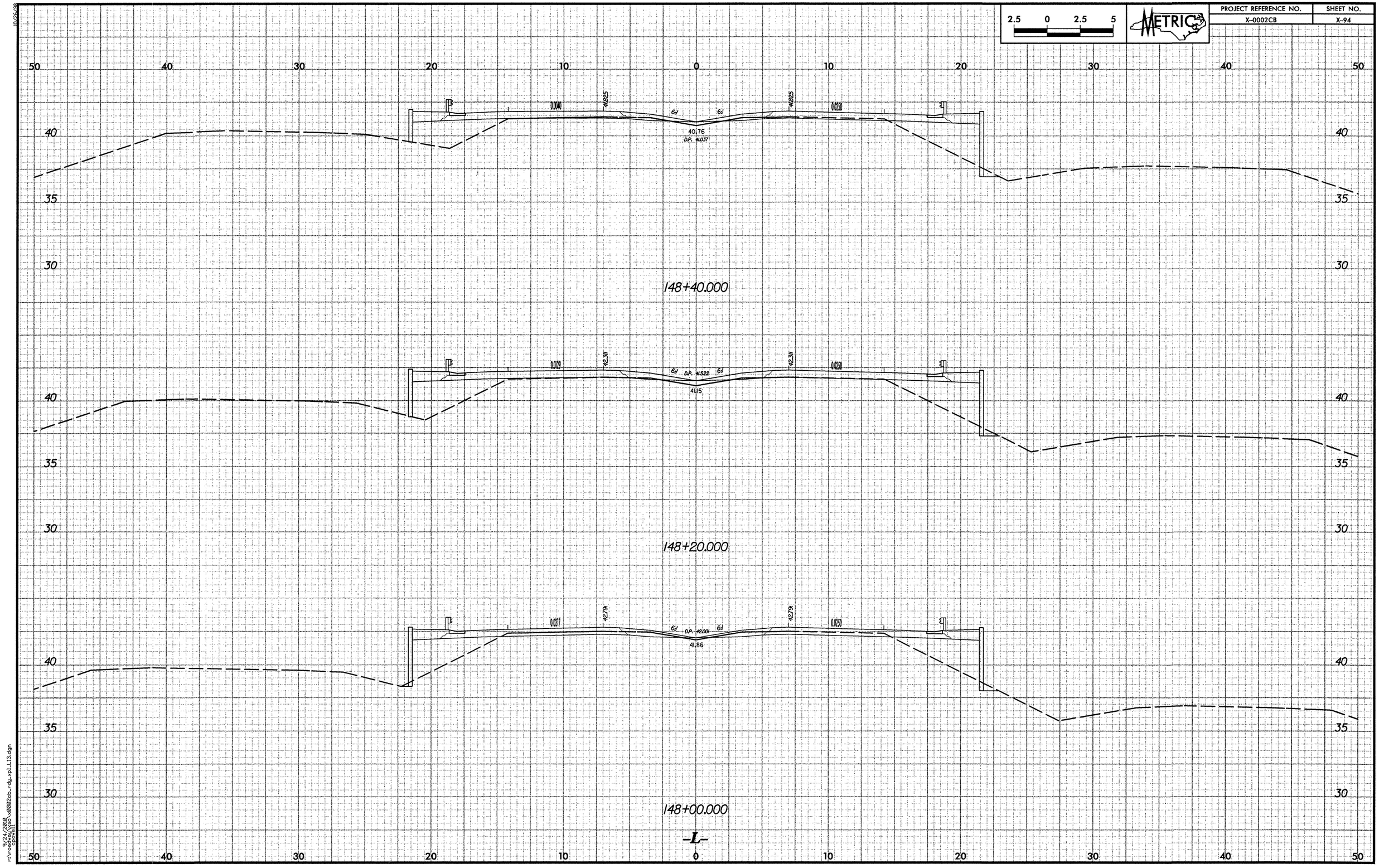
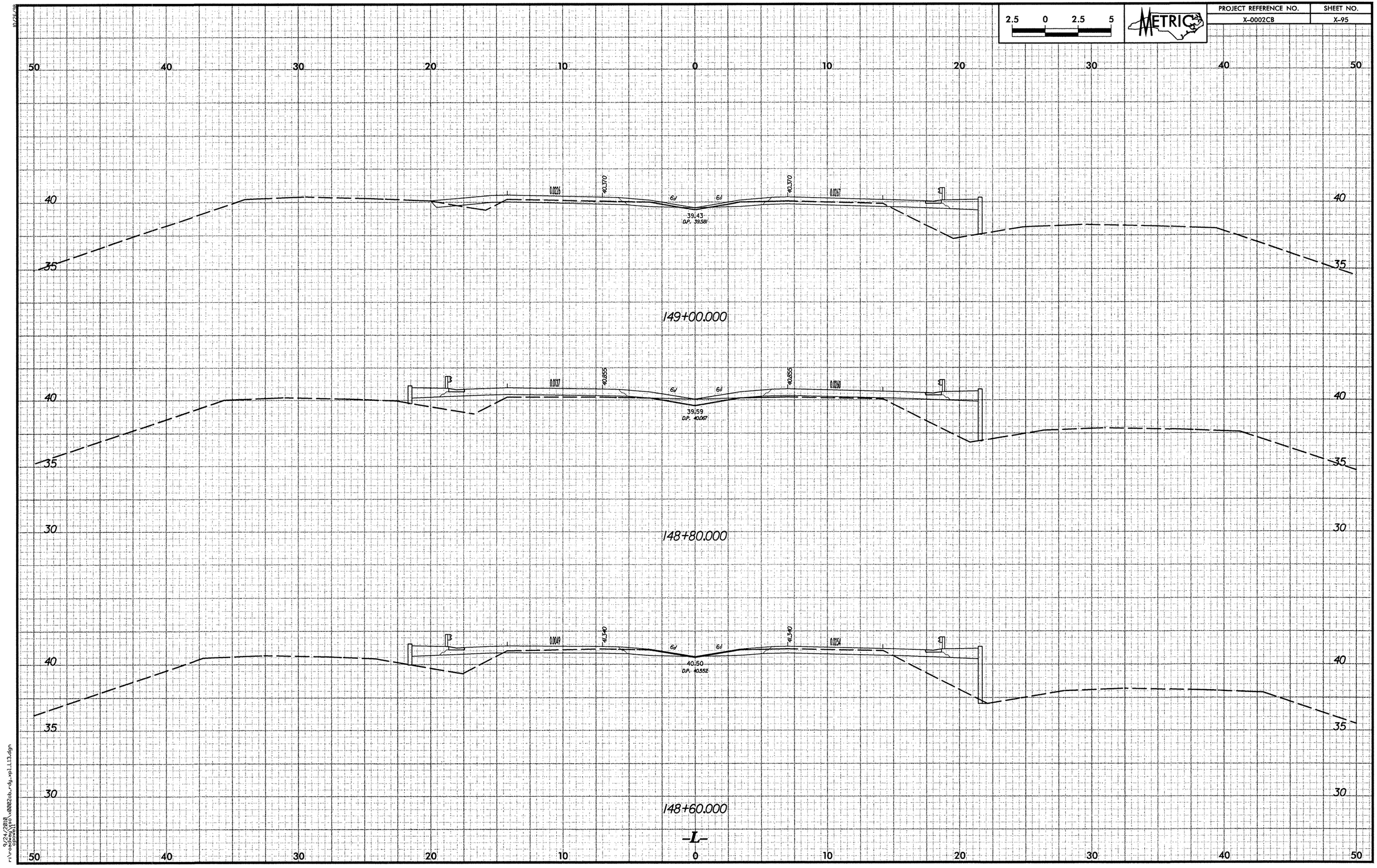
thuffman



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-94
50 40 30 20 10 0 10 20 30 40 50
40
35
30
0.0040
41.825
6:1
6:1
41.825
0.0250
40.76
D.P. 41.037
148+40.000
0.0029
42.311
6:1
D.P. 41.522
6:1
42.311
0.0250
41.15
148+20.000
0.0217
42.791
6:1
D.P. 42.001
6:1
42.791
0.0250
41.86
148+00.000
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-95



9/24/2018
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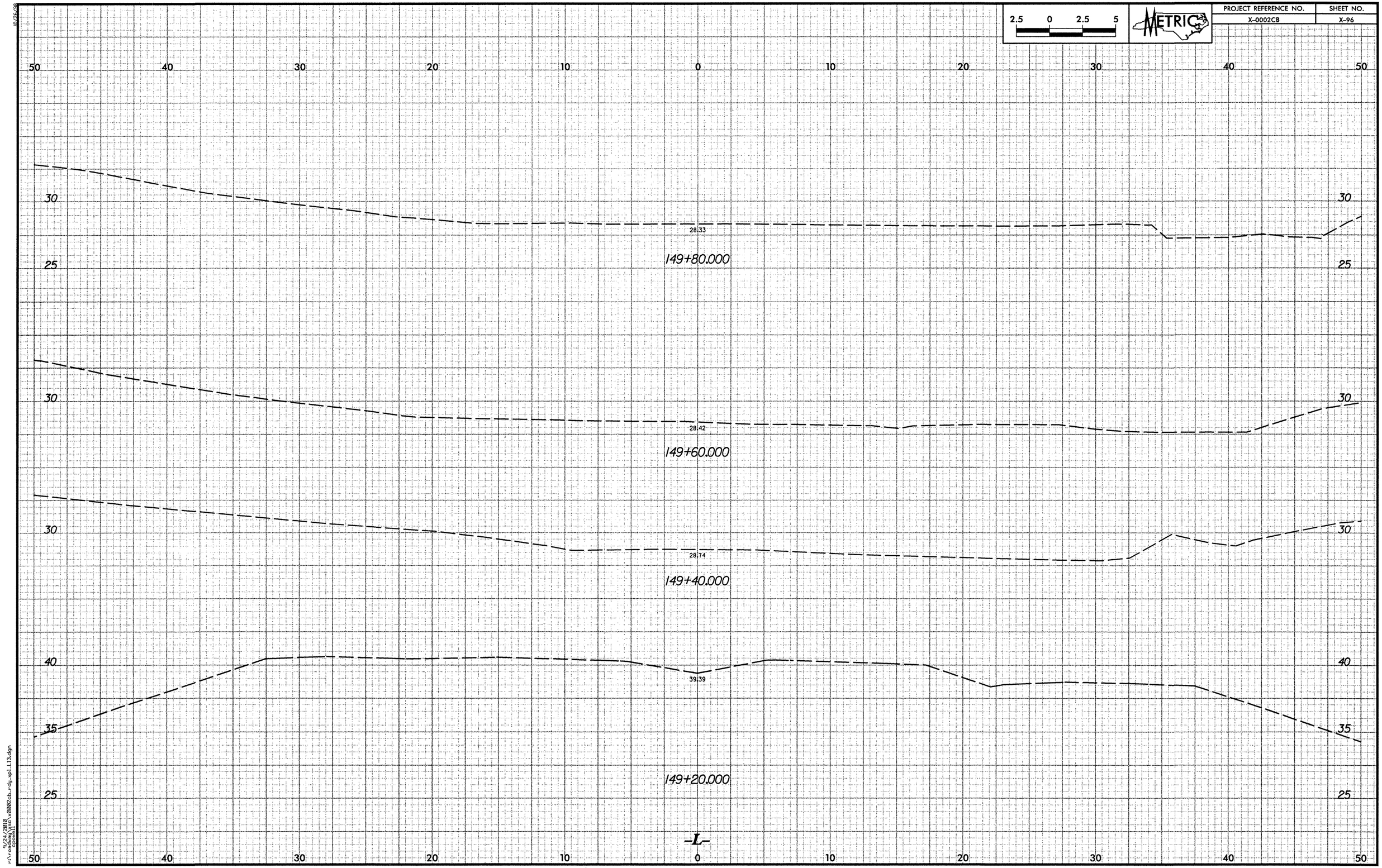
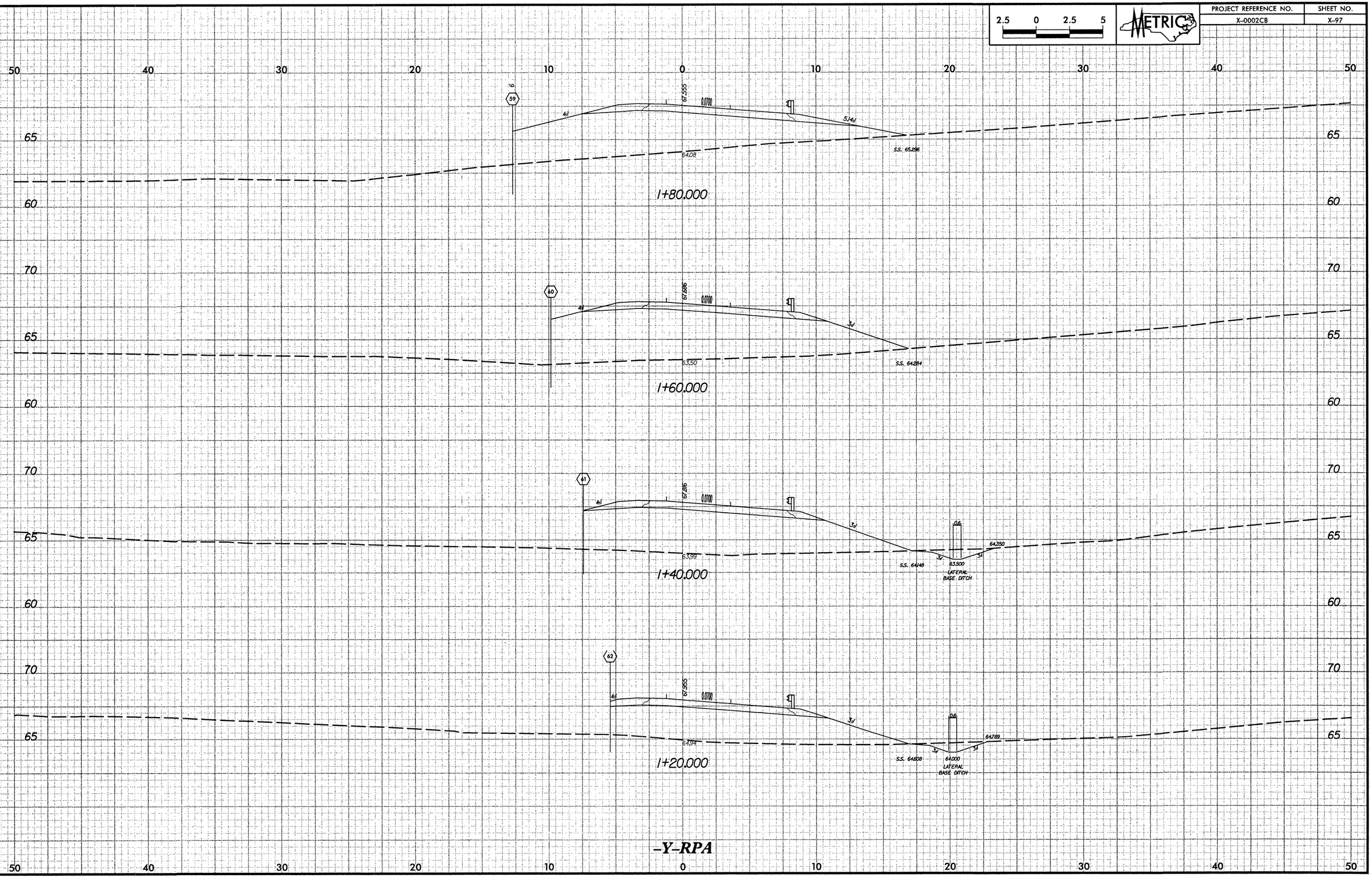
cpowell



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-96
50 40 30 20 10 0 10 20 30 40 50
30
25
28.33
149+80.000
30
28.42
149+60.000
30
28.74
149+40.000
40
35
39.39
149+20.000
25
-L-

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-97



10/26/98
9/24/2010
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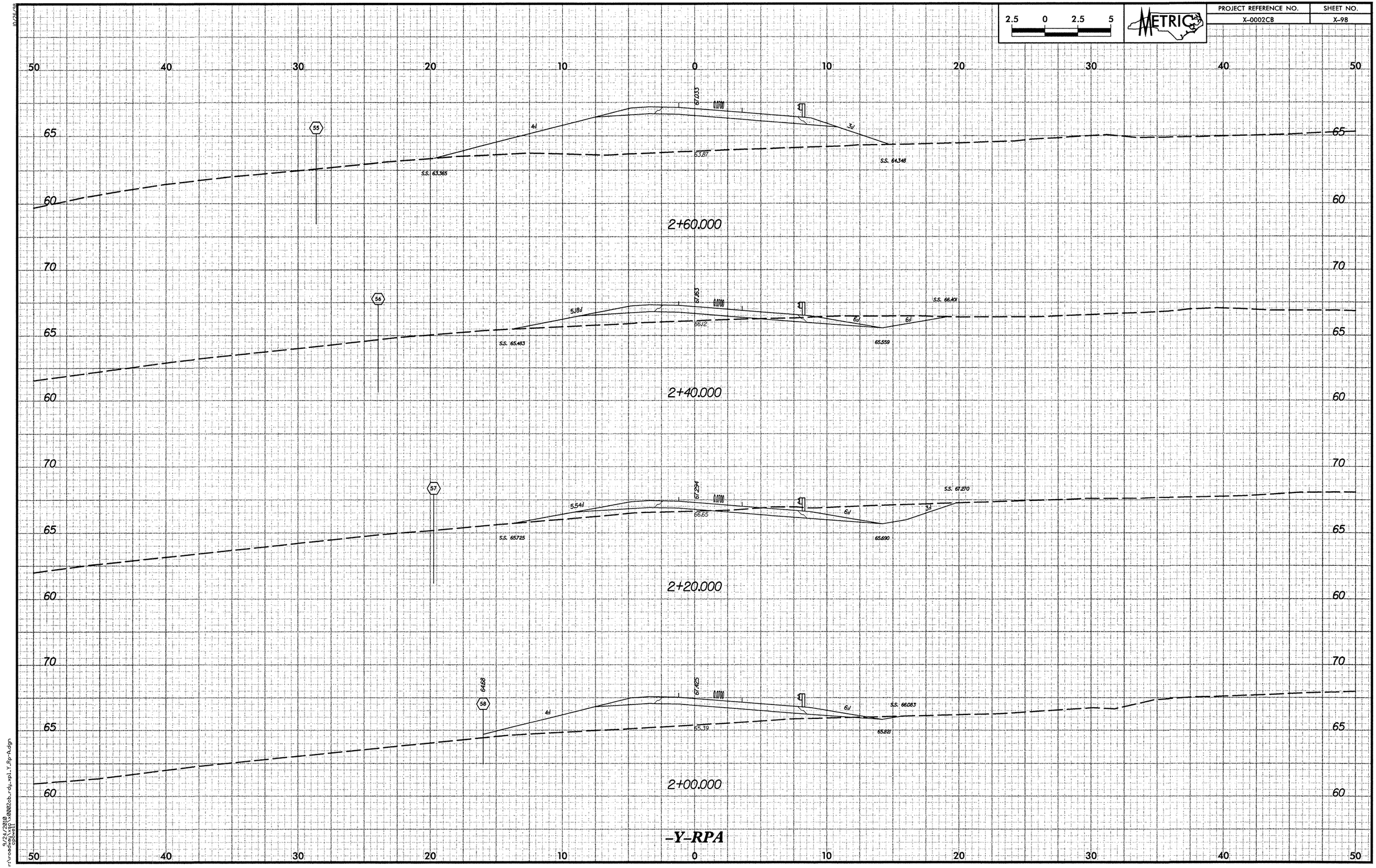
cpowell



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-98
2+60.000
2+40.000
2+20.000
2+00.000
-Y-RPA

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-99

2.5 0 2.5 5

METRIC

50 40 30 20 10 0 10 20 30 40 50

70

65

60

PROPOSED GRADING X-0002CA
UNDER SEPARATE CONTRACT

63.32

SS 62.14

3+20.000

65

60

PROPOSED GRADING X-0002CA
UNDER SEPARATE CONTRACT

62.83

SS 62.14

SS 61.98

3+00.000

65

60

PROPOSED GRADING X-0002CA
UNDER SEPARATE CONTRACT

62.86

SS 63.50

2+80.000

50 40 30 20 10 0 10 20 30 40 50

-Y-RPA

9/24/2018
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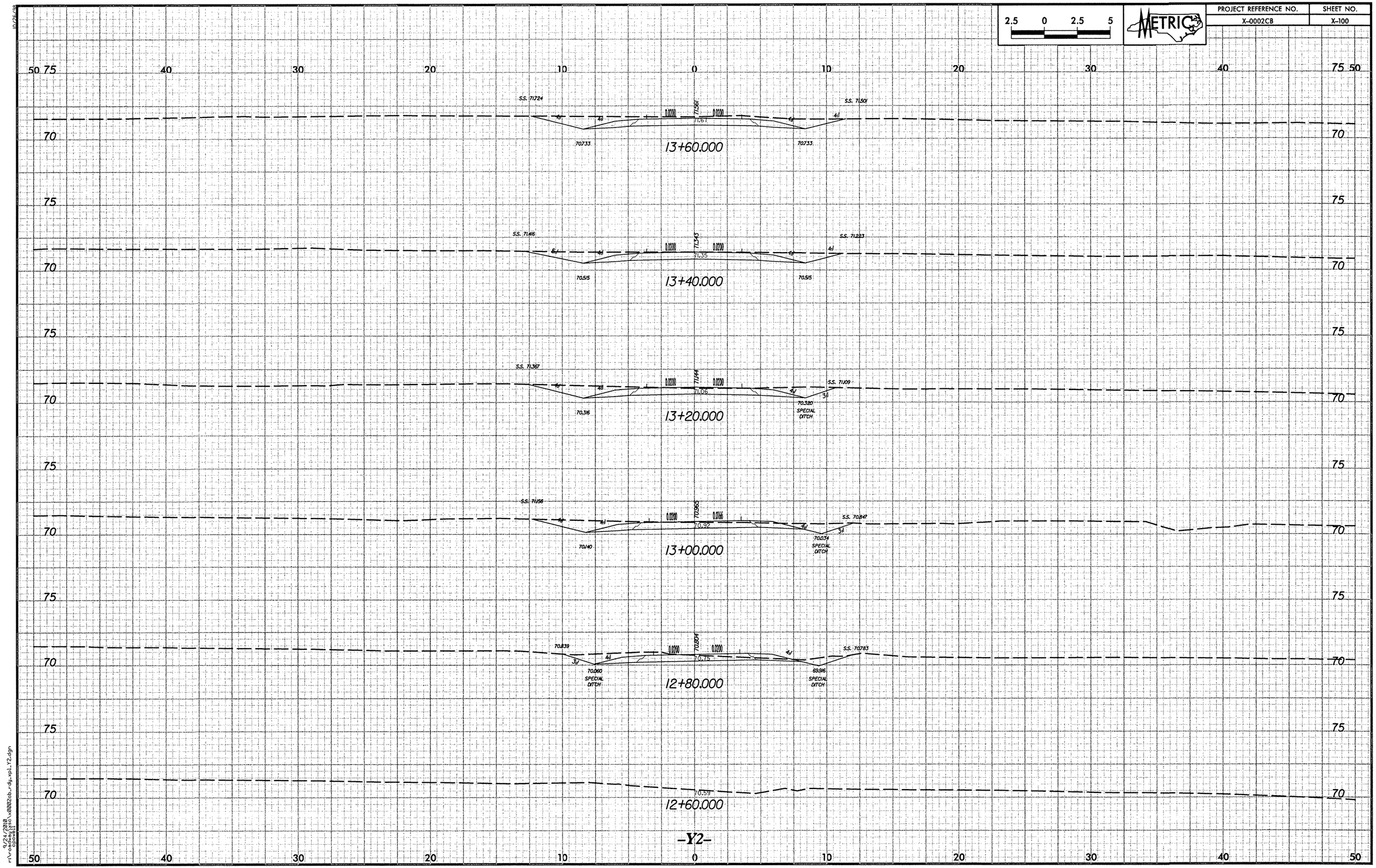
cpsweil

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-100



9/24/2010
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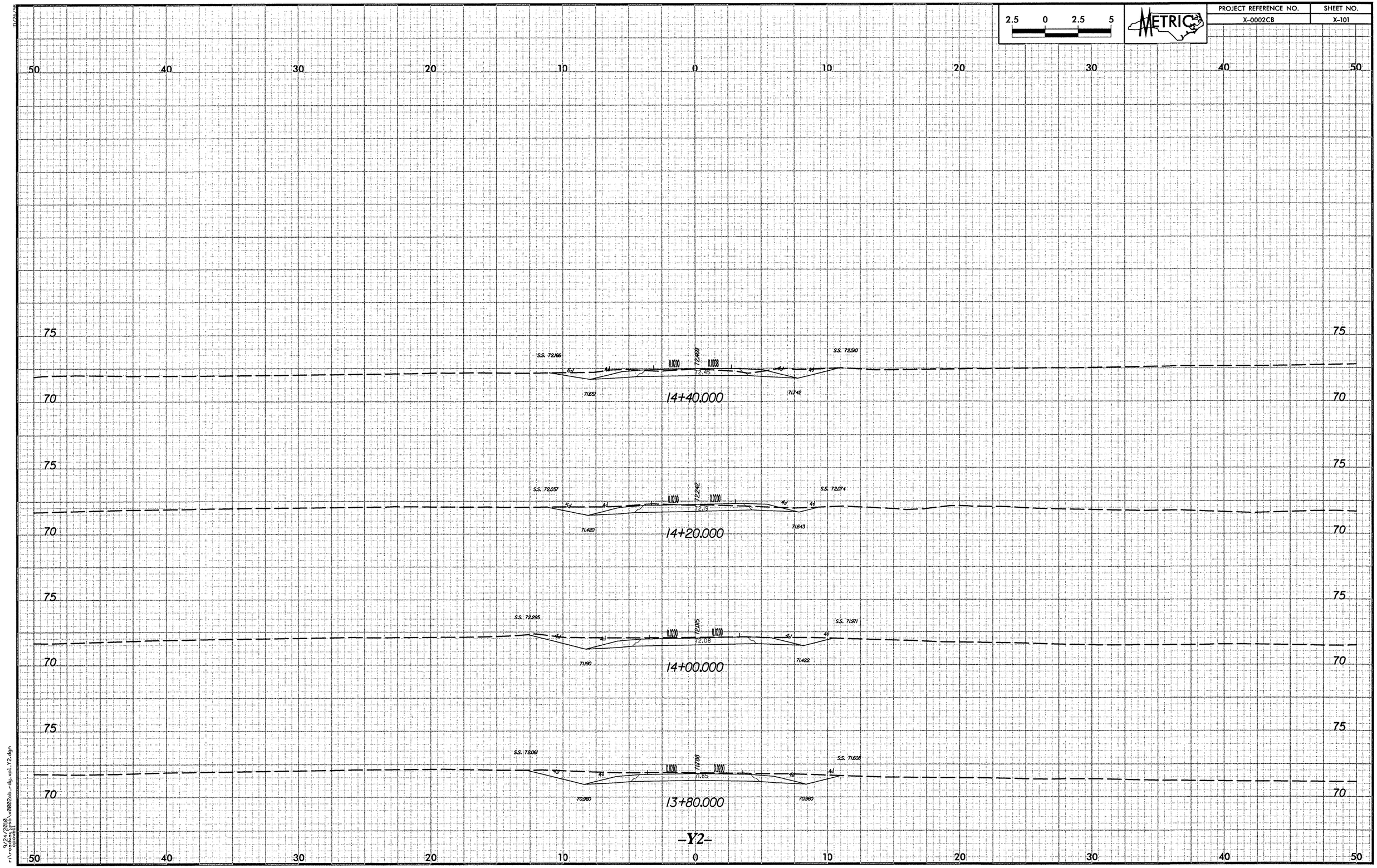
cpowell

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-101



9/24/2010
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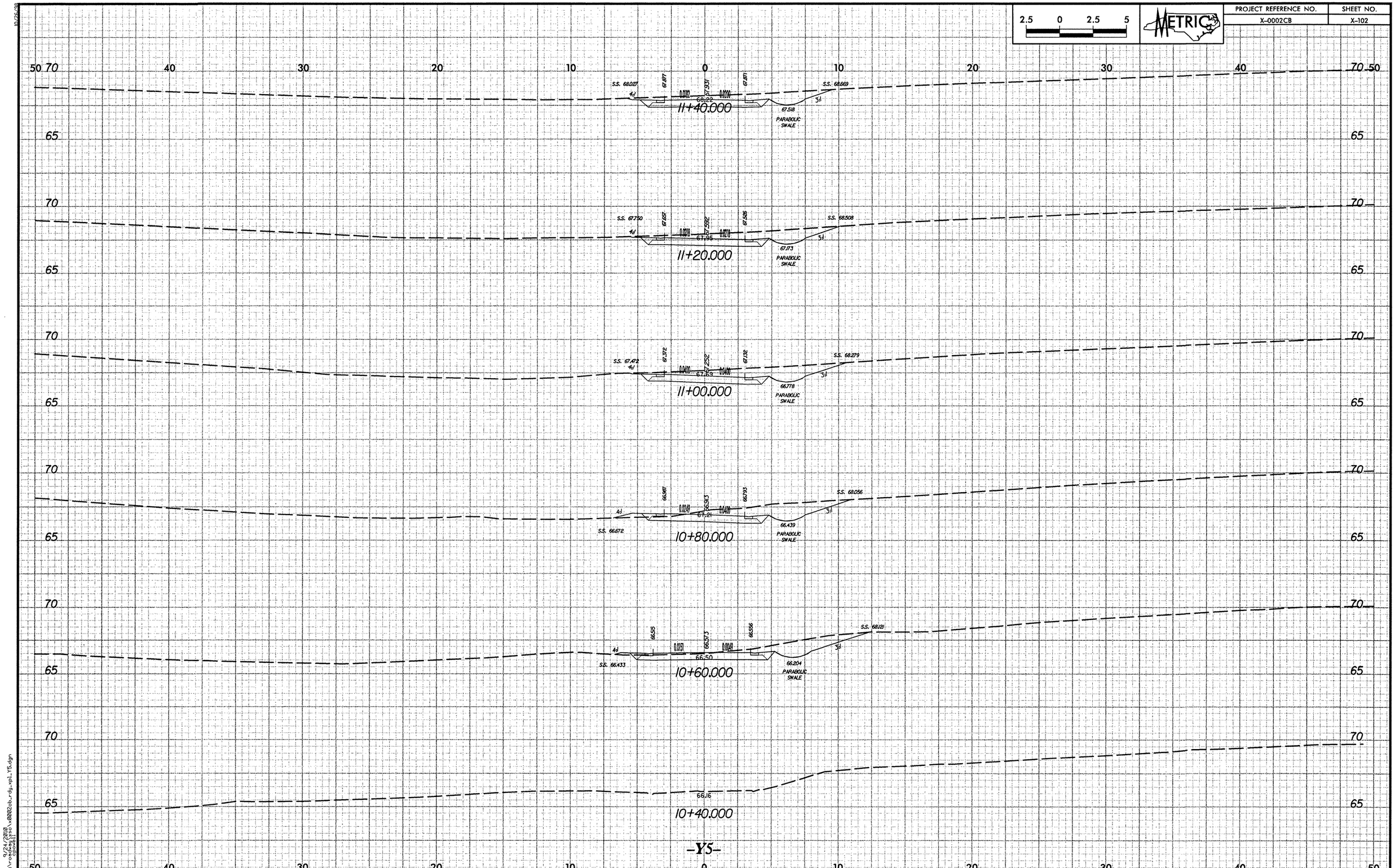
cpowell

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-102



9/24/2010
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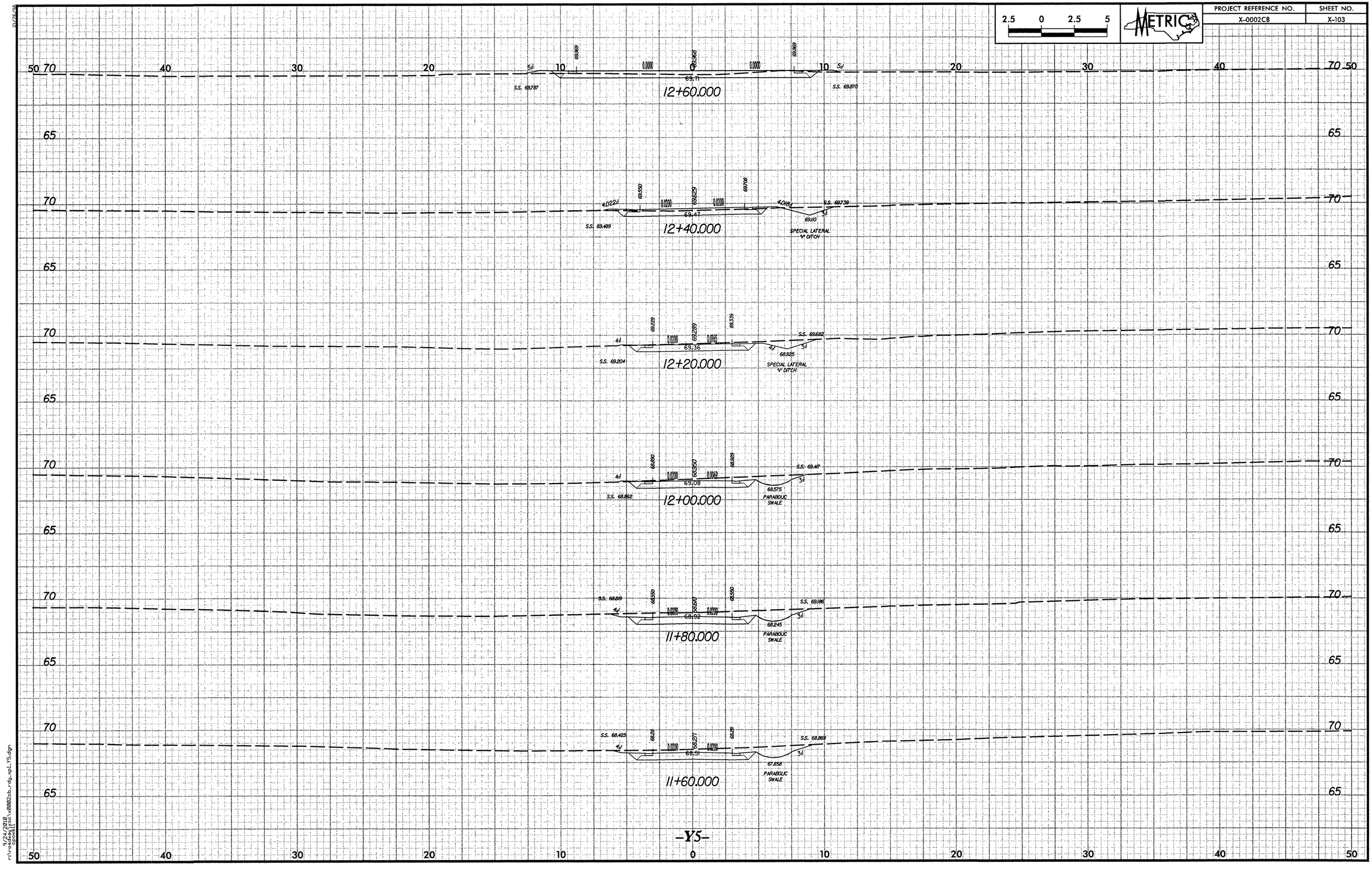
cpowell

PROJECT REFERENCE NO.	SHEET NO.
X-0002CB	X-103



9/24/2018
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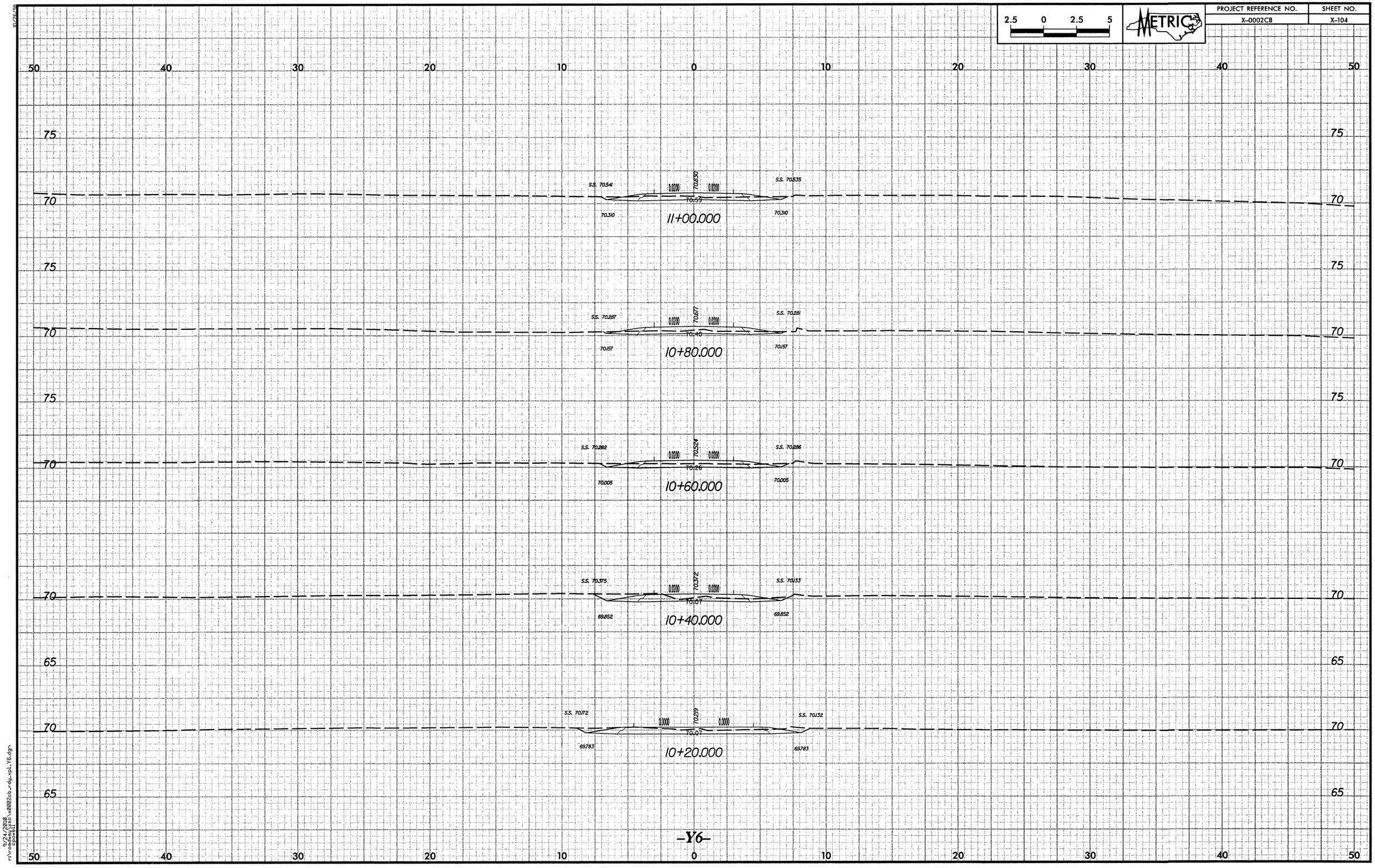
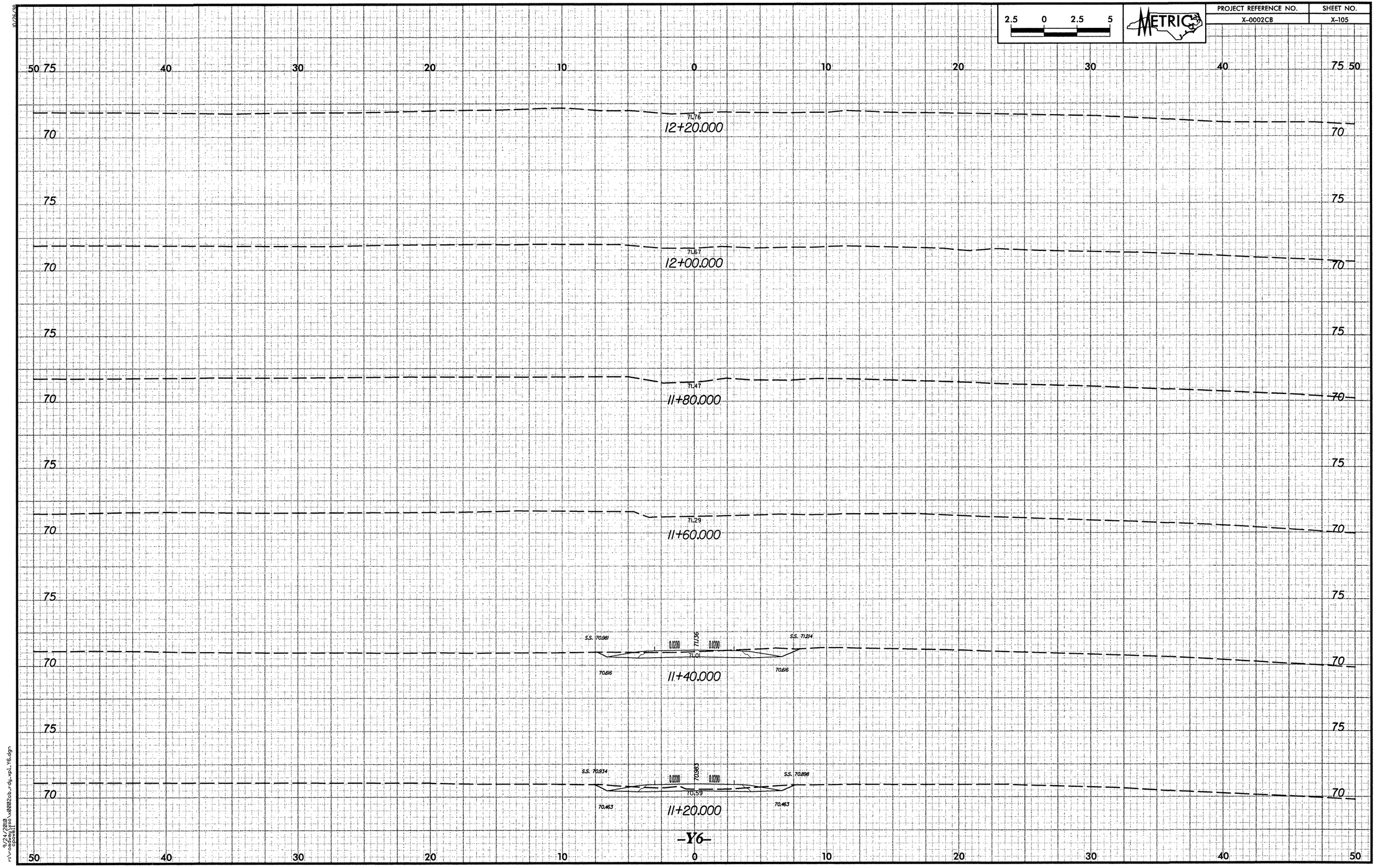
cpowell



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-104
50 40 30 20 10 0 10 20 30 40 50
75
70
65
S.S. 70.541
S.S. 70.535
70.830
0.0200
0.0200
70.59
70.310
70.310
11+00.000
S.S. 70.287
S.S. 70.281
70.677
0.0200
0.0200
70.40
70.157
70.157
10+80.000
S.S. 70.282
S.S. 70.286
70.524
0.0200
0.0200
70.26
70.005
70.005
10+60.000
S.S. 70.375
S.S. 70.133
70.372
0.0200
0.0200
70.07
69.852
69.852
10+40.000
S.S. 70.172
S.S. 70.132
70.219
0.0000
0.0000
70.07
69.783
69.783
10+20.000
-Y6-



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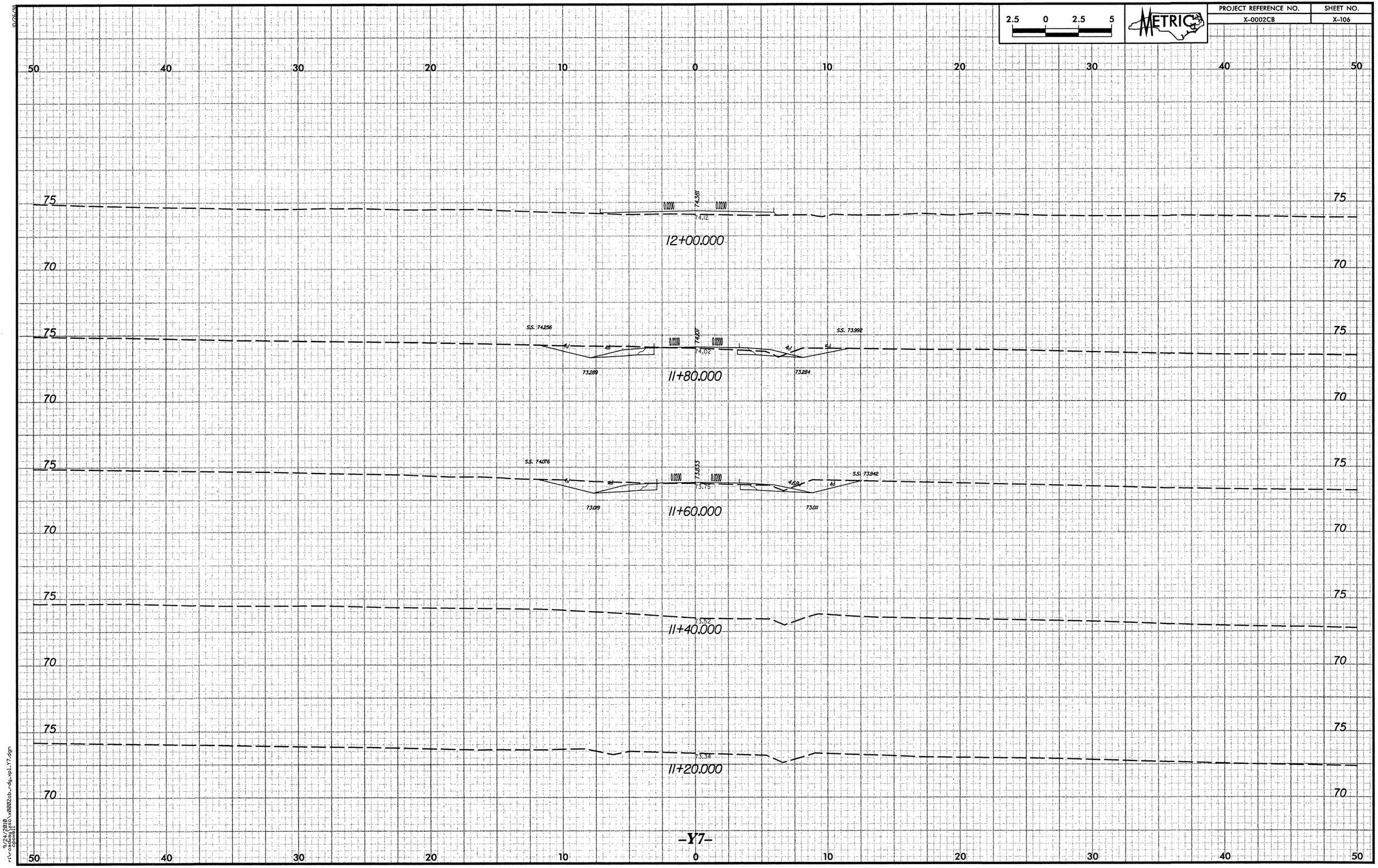
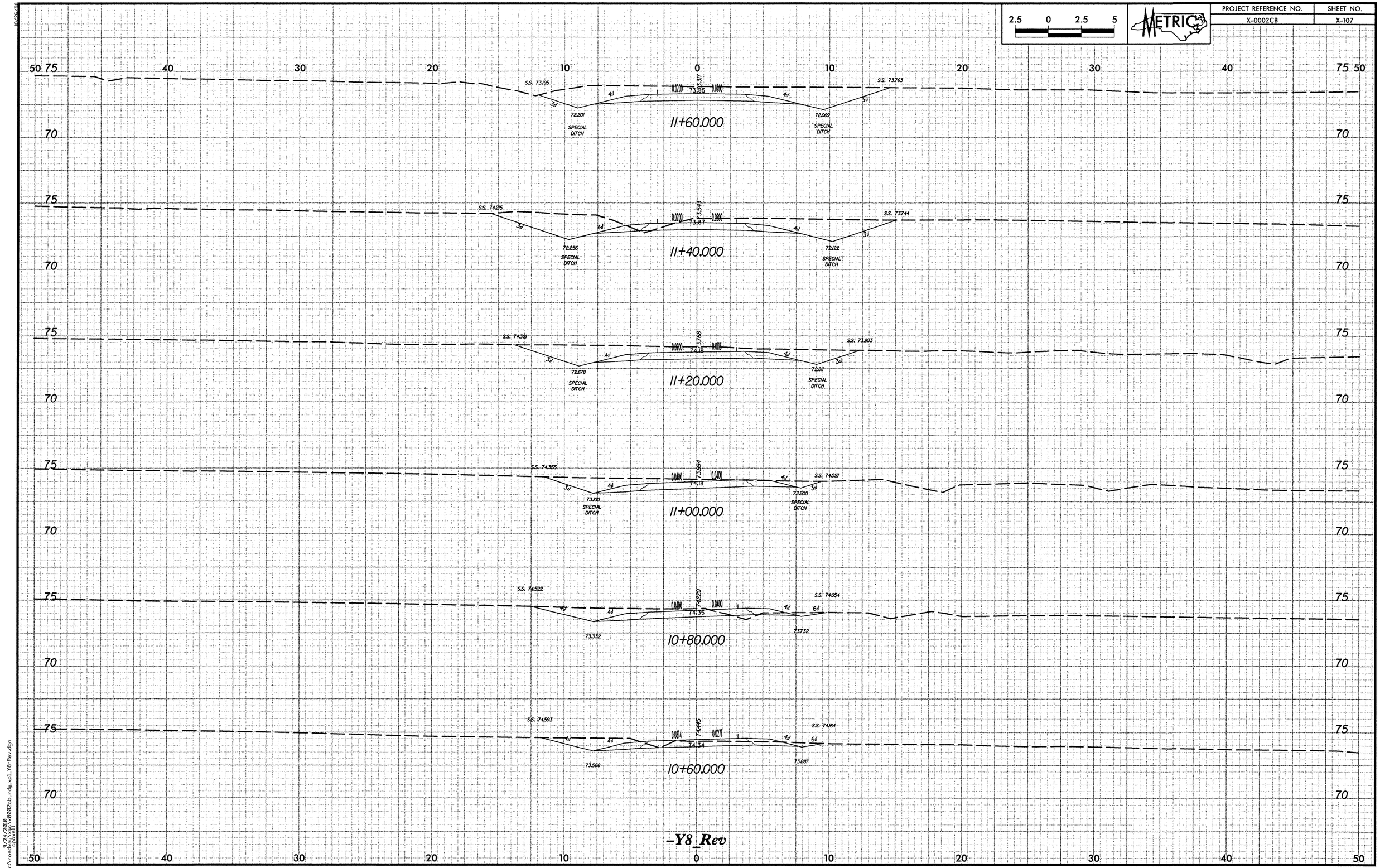
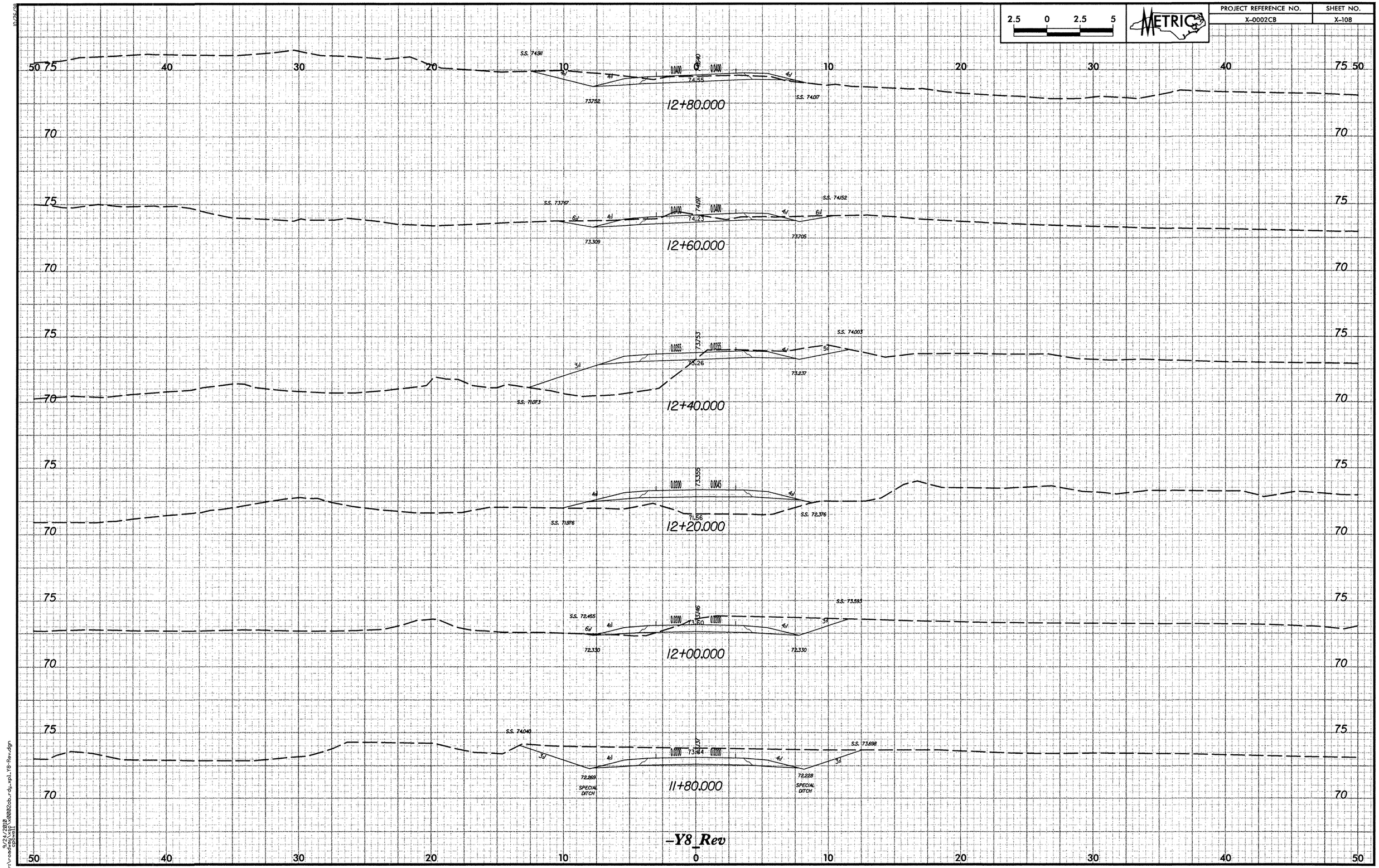
cpowell



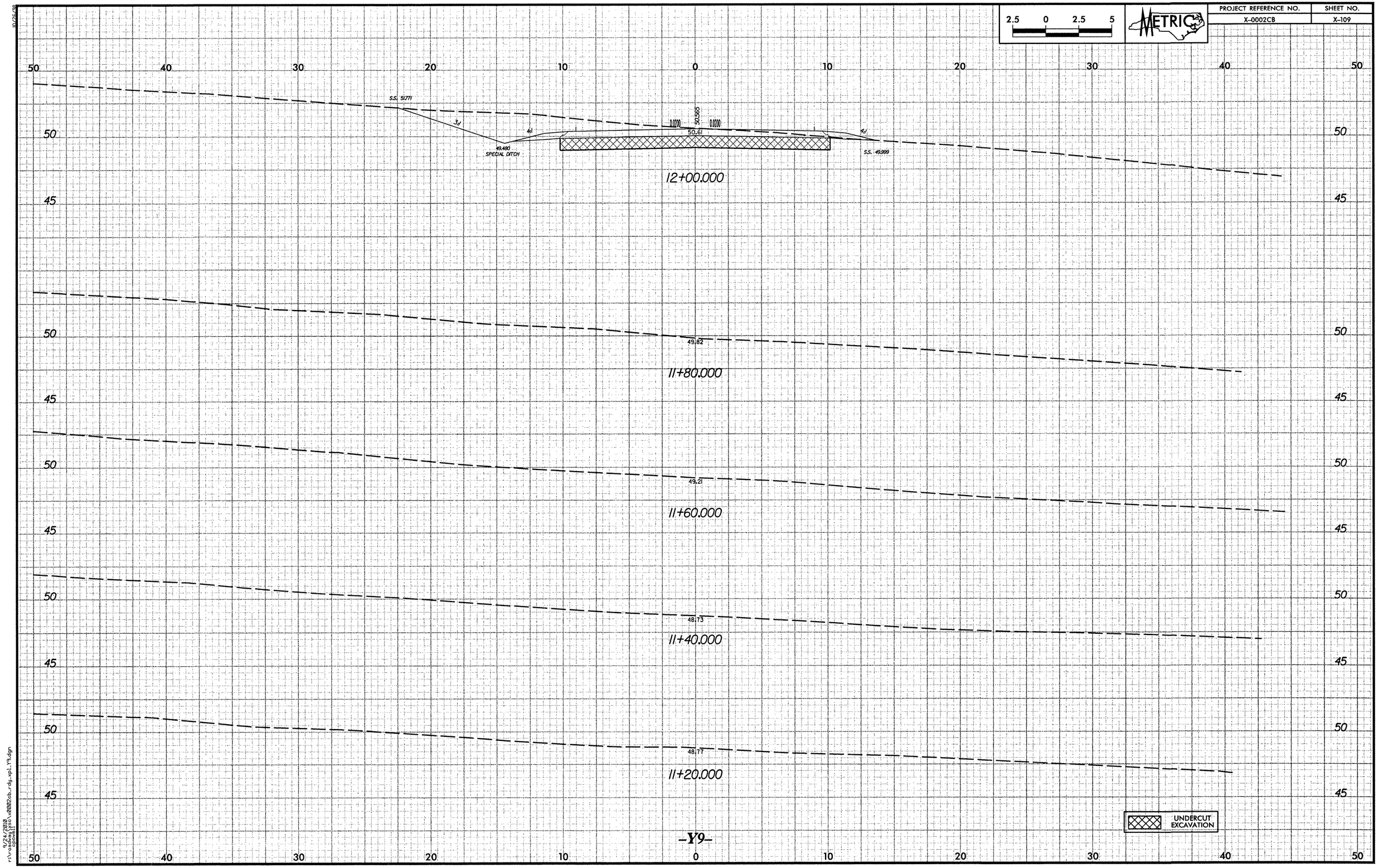
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-106
50 40 30 20 10 0 10 20 30 40 50
75
70
74.381
0.0200
0.0200
74.12
12+00.000
S.S. 74.256
S.S. 73.992
74.107
0.0200
0.0200
74.02
73.289
73.284
11+80.000
S.S. 74.076
S.S. 73.942
73.833
0.0200
0.0200
73.75
73.019
73.011
11+60.000
73.52
11+40.000
73.34
11+20.000
-Y7-



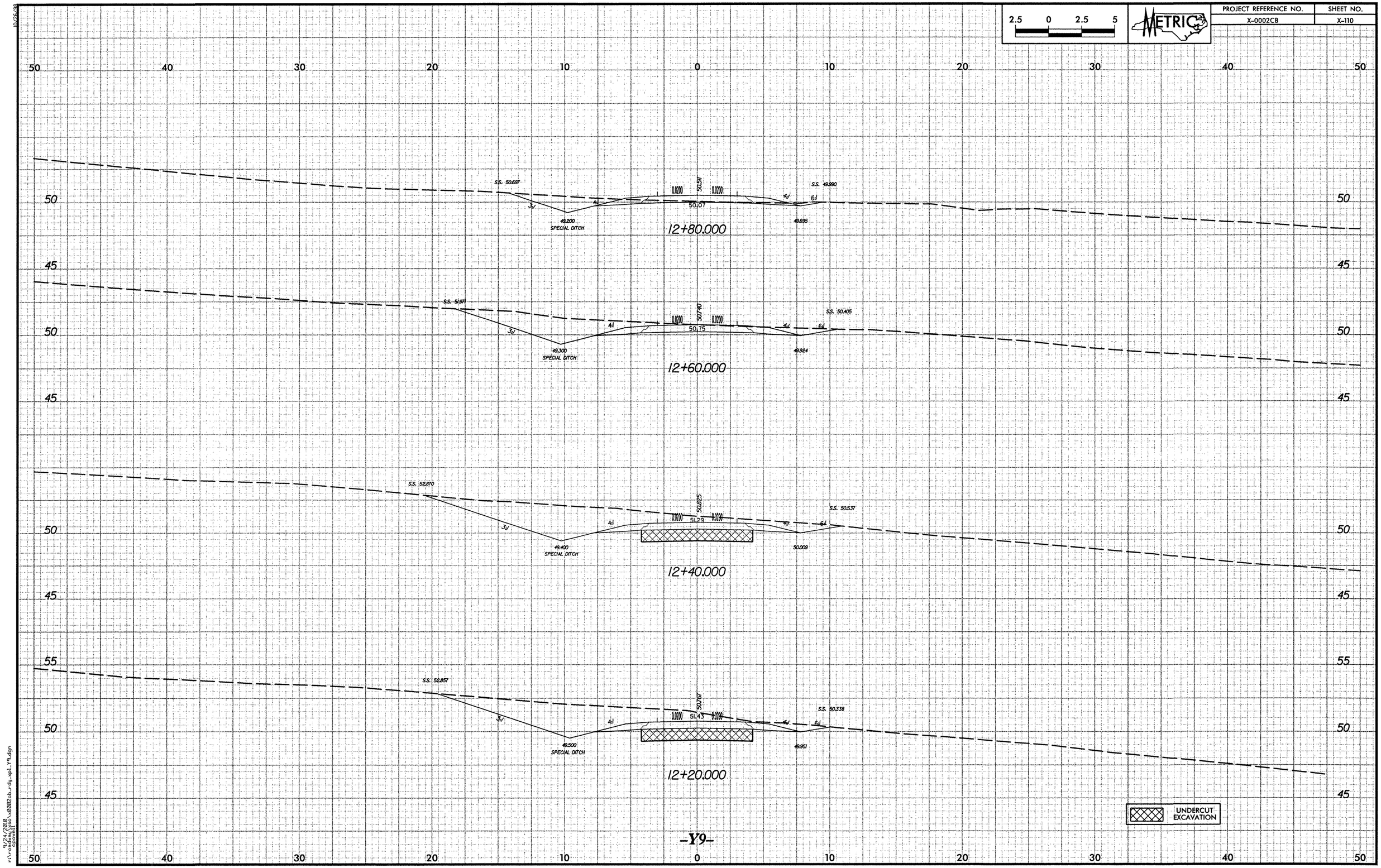
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-107
METRIC
2.5 0 2.5 5
11+60.000
11+40.000
11+20.000
11+00.000
10+80.000
10+60.000
-Y8_Rev



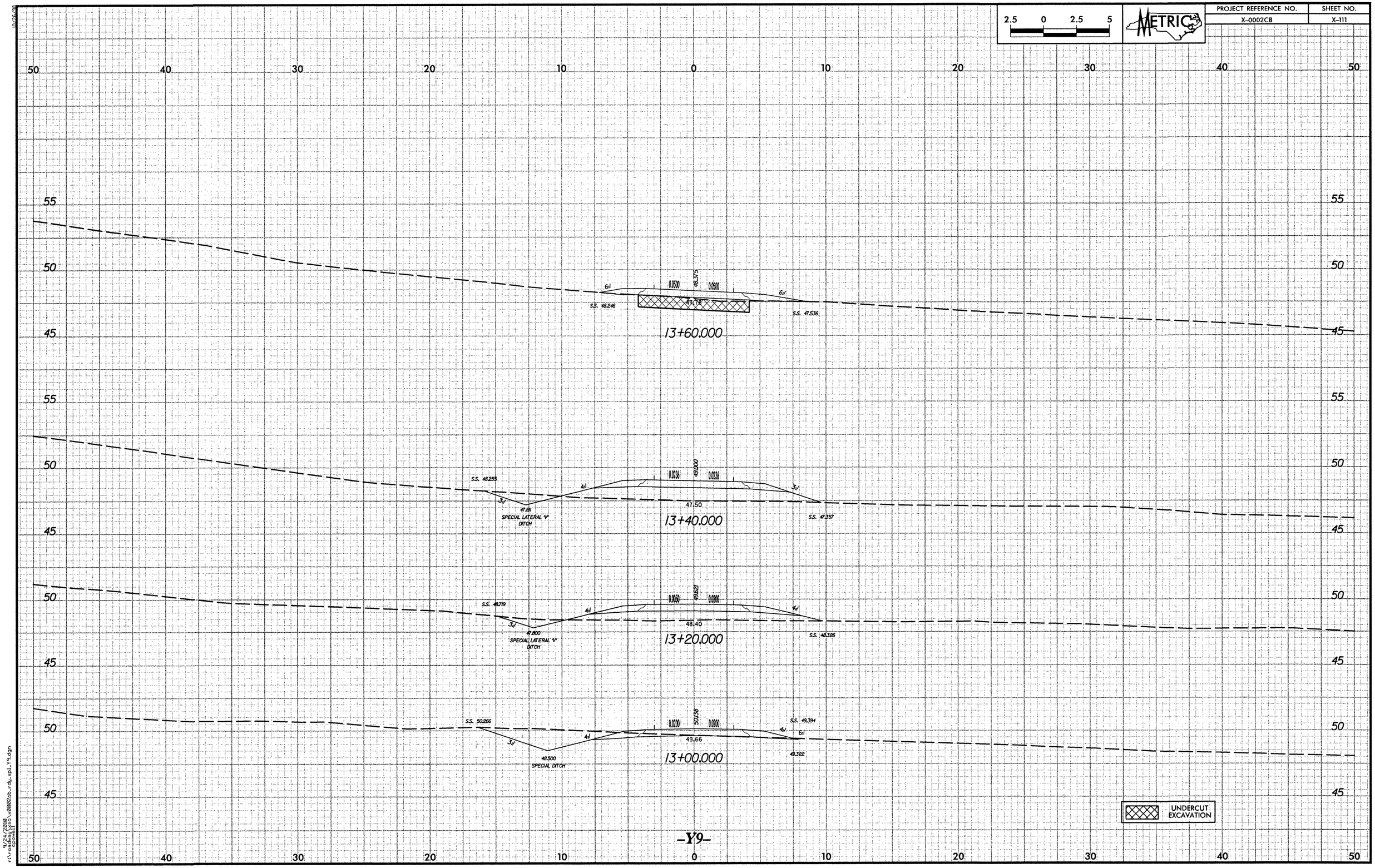
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-108
12+80.000
12+60.000
12+40.000
12+20.000
12+00.000
11+80.000
-Y8_Rev



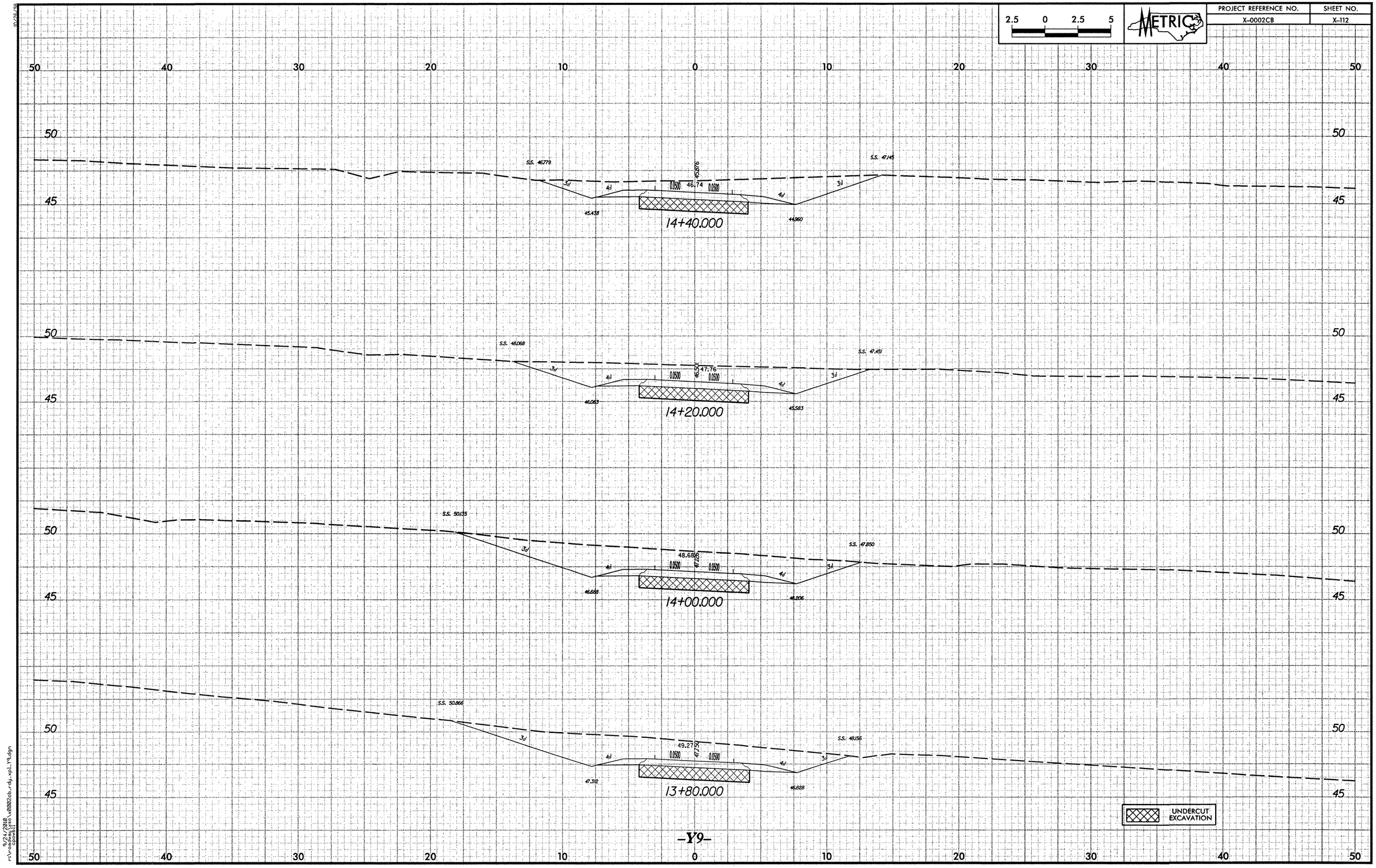
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-109
METRIC
2.5 0 2.5 5
S.S. 51.771
3:1
4:1
49.480
SPECIAL DITCH
50.565
50.61
0.0200
0.0200
4:1
S.S. 49.999
12+00.000
49.82
11+80.000
49.21
11+60.000
48.73
11+40.000
48.77
11+20.000
UNDERCUT EXCAVATION
-Y9-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-110
S.S. 50.697
49.200
SPECIAL DITCH
50.511
50.07
S.S. 49.990
49.695
12+80.000
S.S. 51.971
49.300
SPECIAL DITCH
50.740
50.75
S.S. 50.405
49.924
12+60.000
S.S. 52.870
49.400
SPECIAL DITCH
50.825
51.29
S.S. 50.537
50.009
12+40.000
S.S. 52.857
49.500
SPECIAL DITCH
50.767
51.43
S.S. 50.338
49.951
12+20.000
UNDERCUT EXCAVATION
-Y9-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-111
13+60.000
S.S. 48.246
S.S. 47.536
13+40.000
S.S. 48.255
47.191
SPECIAL LATERAL 'V' DITCH
47.50
S.S. 47.357
13+20.000
S.S. 48.719
47.800
SPECIAL LATERAL 'V' DITCH
48.40
S.S. 48.326
13+00.000
S.S. 50.266
48.500
SPECIAL DITCH
49.66
S.S. 49.394
49.322
UNDERCUT EXCAVATION
-Y9-



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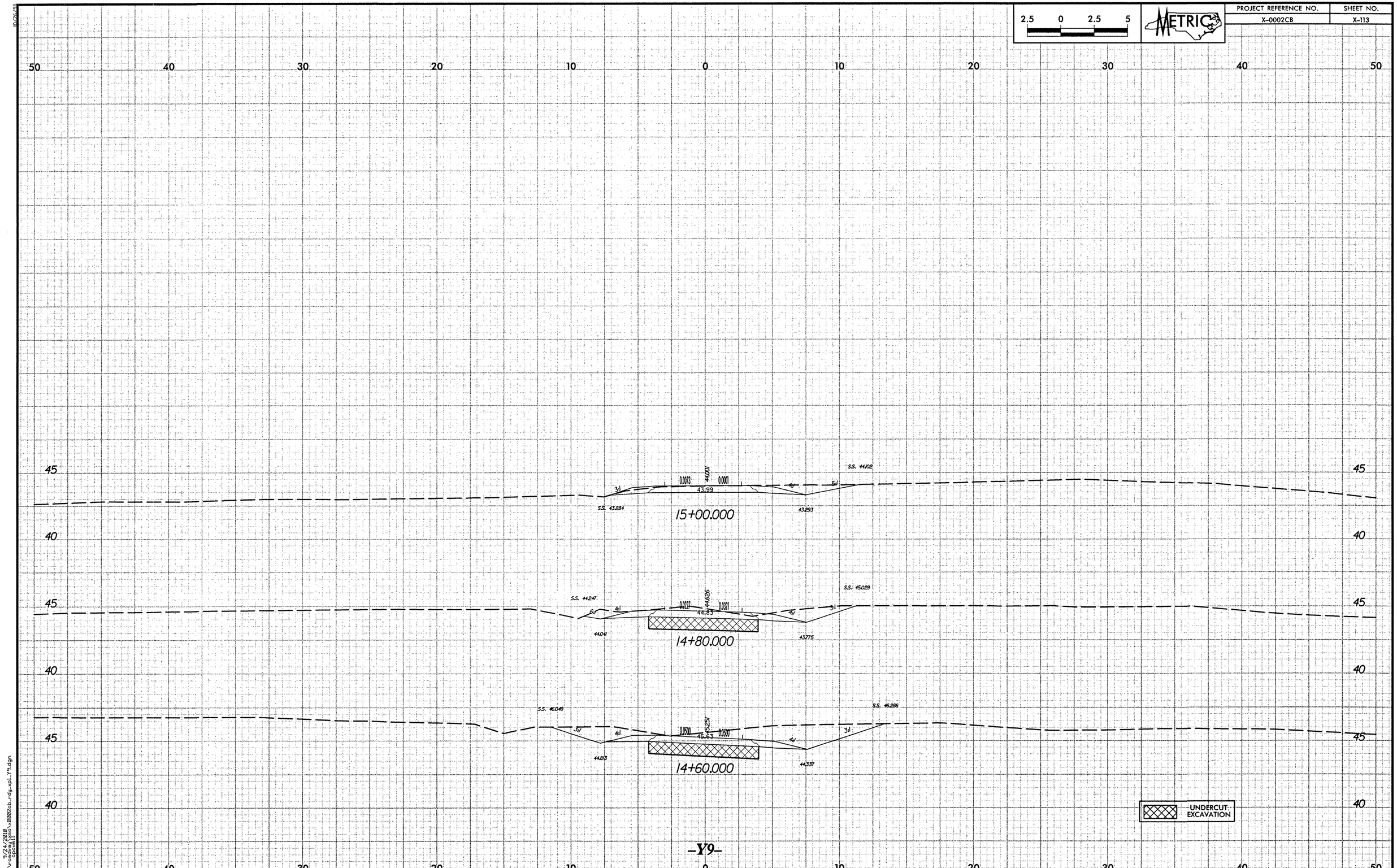
cpowell



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
X-0002CB
SHEET NO.
X-113
50 40 30 20 10 0 10 20 30 40 50
45
40
S.S. 44.102
0.0073
44.001
0.0001
43.99
S.S. 43.284
43.293
15+00.000
S.S. 44.247
S.S. 45.029
0.0227
44.626
0.0321
44.83
44.041
43.775
14+80.000
S.S. 46.049
S.S. 46.286
0.0500
45.257
0.0500
45.63
44.813
44.337
14+60.000
UNDERCUT EXCAVATION
-Y9-