PROJ. REFERENCE NO.	SHEET NO.
R-2809A	X-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS-SECTION SUMMARY

NOTE: EMBANKMENT COLUMN INCLUDES BACKFILL FOR UNDERCUT

Quantities are approximate only. The Resident Engineer will recross-section the work accurately when the project is staked out. These cross-section notes will be used in computing the final quantities for which the contractor will be paid.

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)
7+60.000000	0	3
7+80.000000	6	7
8+00.000000	10	166
8+20.000000	9	241
8+40.000000	8	241
8+60.000000	4	480
8+80.000000	1	826
9+00.000000	0	1460
9+20.000000	0	2053
9+40.000000	0	2508
9+60.000000	0	3389
9+80.000000	0	4081
10+00.00000	0	3932
10+20.00000	0	3436
10+40.00000	0	2879
10+60.00000	0	2242
10+80.00000	7	1720
11+00.00000	20	1270
11+20.00000	13	588
11+40.00000	5	233
11+60.00000	5	374
11+80.00000	0	440
12+00.00000	0	463
12+20.00000	0	449
12+40.00000	0	424
12+60.00000	0	472
12+80.00000	0	523
13+00.00000	0	560
13+20.00000	0	653
13+40.00000	0	624
13+60.00000	0	597

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)
7+40.000000	0	0
7+60.000000	0	6
7+80.000000	8	6
8+00.000000	13	6
8+20.000000	10	43
8+40.000000	7	166
8+60.000000	6	191
8+80.000000	5	156
9+00.000000	5	219
9+20.000000	5	229
9+40.000000	6	112
9+60.000000	7	10
9+80.000000	7	4
10+00.00000	6	4
10+20.00000	6	18
10+40.00000	5	23
10+60.00000	2	972
10+80.00000	2	980

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)
11+00.00000	4	103
11+20.00000	18	186
11+40.00000	30	119
11+60.00000	34	26
11+80.00000	27	6
12+00.00000	23	6
12+20.00000	43	11
12+40.00000	146	19
12+60.00000	351	23
12+80.00000	416	30
13+00.00000	382	33
13+20.00000	376	26
13+40.00000	456	13
13+60.00000	303	10

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)
13+60.00000	0	0
13+80.00000	62	749
14+00.00000	105	1166
14+20.00000	100	1275
14+40.00000	33	1097
14+60.00000	394	837
14+80.00000	1607	347
15+00.00000	2664	85
15+20.00000	2343	12
15+40.00000	1057	445
15+60.00000	207	2026

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)
15+60.00000	0	0
15+80.00000	58	2979
16+00.00000	23	2340
16+20.00000	24	2202
16+40.00000	18	3542
16+60.00000	1	5535
16+80.00000	0	6523
17+00.00000	0	6405
17+20.00000	0	6305
17+40.00000	0	6127
17+60.00000	0	5425
17+80.00000	0	4266
18+00.00000	0	3006
18+20.00000	0	1999
18+40.00000	0	1180
18+60.00000	4	562
18+80.00000	66	366
19+00.00000	159	529
19+20.00000	243	760
19+40.00000	313	1155

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)
19+60.00000	257	2327
19+80.00000	99	3770
20+00.00000	10	3125
20+20.00000	40	965
20+40.00000	371	1
20+60.00000	1039	0
20+80.00000	1890	0
21+00.00000	2203	0
21+20.00000	1773	150
21+40.00000	1415	435
21+60.00000	1353	477
21+80.00000	1742	192
22+00.00000	2137	0
22+20.00000	1877	0
22+40.00000	1226	0
22+60.00000	522	17
22+80.00000	88	201
23+00.00000	13	636
23+20.00000	33	1159
23+40.00000	50	1665
23+60.00000	66	2674
23+80.00000	58	3721
24+00.00000	22	3830

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)
24+00.00000	0	0
24+20.00000	0	3088
24+40.00000	19	1843
24+60.00000	28	804
24+80.00000	13	623
25+00.00000	204	697
25+20.00000	1248	297
25+40.00000	2735	0
25+60.00000	3583	0
25+80.00000	4114	0
26+00.00000	5229	0
26+20.00000	6432	0
26+40.00000	6693	0
26+60.00000	6280	0
26+80.00000	5788	0
27+00.00000	5238	0
27+20.00000	4503	0
27+40.00000	3652	0
27+60.00000	3068	0
27+80.00000	3142	0
28+00.00000	4217	0
28+20.00000	5785	0
28+40.00000	6936	0
28+60.00000	7561	0
28+80.00000	7790	0
29+00.00000	7630	0

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)
29+20.00000	7079	0
29+40.00000	6077	0
29+60.00000	5215	0
29+80.00000	4924	0
30+00.00000	4730	0
30+20.00000	4497	0
30+40.00000	4210	0
30+60.00000	3540	0
30+80.00000	2455	0
31+00.00000	967	31
31+20.00000	63	71
31+40.00000	64	69
31+60.00000	66	52
31+80.00000	67	43
32+00.00000	34	20

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)
23+80.00000	0	0
24+00.00000	0	331
24+20.00000	0	1020
24+40.00000	0	1300
24+60.00000	0	1356
24+80.00000	0	1313
25+00.00000	0	1027
25+20.00000	0	974
25+40.00000	0	854
25+60.00000	0	716
25+80.00000	0	740
26+00.00000	0	686
26+20.00000	0	636
26+40.00000	0	618
26+60.00000	0	586
26+80.00000	0	569
27+00.00000	0	545
27+20.00000	0	512
27+40.00000	0	477
27+60.00000	0	453
27+80.00000	0	527
28+00.00000	0	558
28+20.00000	0	596
28+40.00000	0	695
28+60.00000	0	763
28+80.00000	0	819
29+00.00000	0	896
29+20.00000	0	989
29+40.00000	0	996
29+60.00000	0	928
29+80.00000	0	673
30+00.00000	0	475
30+20.00000	0	401
30+40.00000	0	266

Station L	Uncl. Exc. (cu. meters)	Embt (cu. meters)
30+60.00000	0	174
30+80.00000	0	64
31+00.00000	0	0
31+20.00000	0	67
31+40.00000	0	67

Station Y8	Uncl. Exc. (cu. meters)	Embt (cu. meters)
10+20.00000	0	0
10+30.00000	11	29
10+40.00000	9	5
10+50.00000	8	5
10+60.00000	1	3

Station Y3	Uncl. Exc. (cu. meters)	Embt (cu. meters)
10+20.00000	0	0
10+40.00000	0	1295
10+60.00000	0	1346
10+80.00000	17	1011
11+00.00000	22	718
11+20.00000	8	743
11+40.00000	5	551
11+60.00000	3	159
11+80.00000	2	160
12+00.00000	1	64

Station Y3A	Uncl. Exc. (cu. meters)	Embt (cu. meters)
10+90.000	0	0
11+00.000	1	0
11+10.000	0	1
11+25.000	237	2
11+30.000	155	1
11+35.000	138	1
11+40.000	104	1
11+50.000	84	1

Station Y2	Uncl. Exc. (cu. meters)	Embt (cu. meters)
9+80.000000	0	0
10+00.00000	5	0
10+20.00000	39	0
10+40.00000	74	0
10+60.00000	65	0
10+80.00000	38	0
11+00.00000	13	0
11+20.00000	21	17
11+40.00000	39	37

Station Y2	Uncl. Exc. (cu. meters)	Embt (cu. meters)
11+60.00000	24	46
11+80.00000	6	44
12+00.00000	0	19

Station Y2	Uncl. Exc. (cu. meters)	Embt (cu. meters)
28+80.00000	0	15
29+00.00000	0	33
29+20.00000	0	36
29+40.00000	0	28
29+60.00000	1	12
29+80.00000	6	3
30+00.00000	6	3
30+20.00000	0	2
30+40.00000	4	1
30+60.00000	9	2

Station Y2	Uncl. Exc. (cu. meters)	Embt (cu. meters)
8+80.000000	14	0
9+00.000000	23	0
9+20.000000	17	0
9+40.000000	12	0
9+60.000000	4	3
9+80.000000	1	5
10+00.00000	3	4
10+20.00000	14	1
10+40.00000	54	0
10+60.00000	81	0
10+80.00000	44	0
11+00.00000	5	0
11+20.00000	39	0
11+40.00000	98	0
11+60.00000	145	0
11+80.00000	153	1
12+00.00000	68	1

Station Y2	Uncl. Exc. (cu. meters)	Embt (cu. meters)
28+80.00000	13	1
29+00.00000	30	3
29+20.00000	27	5
29+40.00000	11	17
29+60.00000	2	33
29+80.00000	2	42
30+00.00000	1	24
30+20.00000	0	0
30+40.00000	4	3
30+60.00000	11	4

PROJ. REFERENCE NO.	SHEET NO.
R-2809A	X-2

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS-SECTION SUMMARY

NOTE: EMBANKMENT COLUMN INCLUDES BACKFILL FOR UNDERCUT

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Station Y2	Uncl. Exc. (cu. meters)	Embt (cu. meters)
12+00.00000	0	0
12+20.00000	137	17
12+40.00000	296	3
12+60.00000	546	0
12+80.00000	889	0
13+00.00000	1285	0
13+20.00000	1756	0
13+40.00000	2476	0
13+60.00000	3264	0
13+80.00000	3743	0
14+00.00000	3754	0
14+20.00000	2751	0
14+40.00000	1106	0
14+60.00000	182	0
14+80.00000	347	0
15+00.00000	379	42
15+20.00000	46	571
15+40.00000	0	1611
15+60.00000	0	2558
15+80.00000	0	2115
16+00.00000	0	934
16+20.00000	0	535
16+40.00000	0	792
16+60.00000	0	1565
16+80.00000	0	1466
17+00.00000	39	602
17+20.00000	95	264
17+40.00000	125	181
17+60.00000	153	77
17+80.00000	295	11
18+00.00000	629	0
18+20.00000	897	0
18+40.00000	742	0
18+60.00000	293	94
18+80.00000	32	547
19+00.00000	53	693
19+20.00000	289	471
19+40.00000	527	231
19+60.00000	783	0
19+80.00000	1050	0
20+00.00000	1112	0
20+20.00000	984	0
20+40.00000	717	0
20+60.00000	382	247
20+80.00000	191	521
21+00.00000	210	549
21+20.00000	339	423
21+40.00000	403	164

Station Y2	Uncl. Exc. (cu. meters)	Embt (cu. meters)
21+80.00000	0	0
22+00.00000	1326	0
22+20.00000	1887	0
22+40.00000	2288	0
22+60.00000	2337	0
22+80.00000	2196	0
23+00.00000	1878	0
23+20.00000	1295	0
23+40.00000	753	0
23+60.00000	326	121
23+80.00000	85	661
24+00.00000	77	1247
24+20.00000	78	1028
24+40.00000	96	324
24+60.00000	195	4
24+80.00000	224	20
25+00.00000	91	83
25+20.00000	3	397
25+40.00000	0	861
25+60.00000	0	933
25+80.00000	0	461
26+00.00000	0	211
26+20.00000	0	545
26+40.00000	0	1119
26+60.00000	0	1335
26+80.00000	0	1324
27+00.00000	0	1544
27+20.00000	1	1476
27+40.00000	55	1070
27+60.00000	95	454
27+80.00000	58	312
28+00.00000	183	555
28+20.00000	380	310
28+40.00000	375	63
28+60.00000	212	48

Station Y5	Uncl. Exc. (cu. meters)	Embt (cu. meters)
10+20.000	0	0
10+40.000	11	5
10+50.000	8	10
10+60.000	102	8

Station Y5	Uncl. Exc. (cu. meters)	Embt (cu. meters)
10+80.000	0	0
10+90.000	257	0
11+00.000	175	0
11+20.000	510	71
11+40.000	513	71
11+60.000	241	139

Station Y5	Uncl. Exc. (cu. meters)	Embt (cu. meters)
11+80.000	49	263
12+00.000	23	316
12+20.000	24	215
12+30.000	4	41
12+40.000	0	26
12+50.000	2	23
12+60.000	9	10
12+70.000	11	3
12+80.000	5	1

Station Y3B	Uncl. Exc. (cu. meters)	Embt (cu. meters)
10+20.00000	0	0
10+30.00000	296	0
10+40.00000	223	0
10+50.00000	193	0
10+60.00000	140	0
10+70.00000	148	6
10+80.00000	142	12
10+90.00000	82	16
11+00.00000	48	36
11+10.00000	19	51
11+20.00000	18	34
11+30.00000	27	14
11+40.00000	28	6
11+50.00000	18	2
11+60.00000	11	1

Station Y4	Uncl. Exc. (cu. meters)	Embt (cu. meters)
10+04.50000	0	0
10+10.00000	73	0
10+20.00000	123	8
10+30.00000	128	10
10+40.00000	96	3
10+50.00000	80	2
10+60.00000	40	3
10+70.00000	11	6
10+80.00000	8	7

Station Y6	Uncl. Exc. (cu. meters)	Embt (cu. meters)
10+15.00000	0	0
10+20.00000	2	4
10+25.00000	1	1

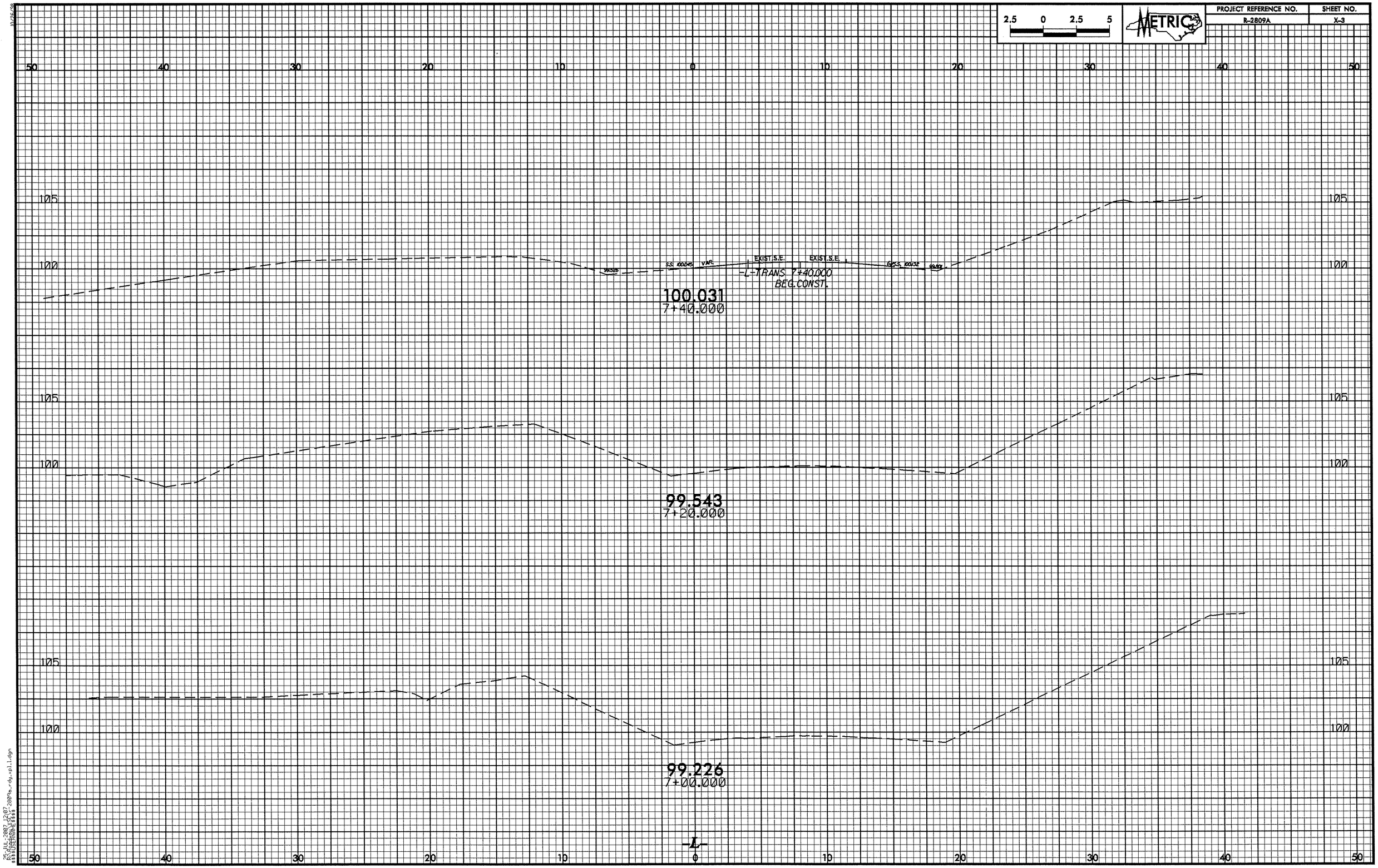
Station Y1	Uncl. Exc. (cu. meters)	Embt (cu. meters)
10+20.00000	0	0
10+30.00000	0	0
10+40.00000	0	0
10+50.00000	0	0
10+60.00000	0	0
10+70.00000	0	0
10+80.00000	0	0
10+90.00000	0	0
11+00.00000	0	0
11+10.00000	0	0
11+20.00000	0	0
11+30.00000	0	0
11+40.00000	0	0
11+50.00000	0	0
11+60.00000	0	0
11+70.00000	0	0
11+80.00000	0	0
12+00.00000	0	0
12+20.00000	0	0
12+40.00000	0	0
12+60.00000	44	780
12+80.00000	353	3
13+00.00000	891	0
13+20.00000	1463	0
13+40.00000	1650	0
13+60.00000	1250	0
13+80.00000	784	0
14+00.00000	575	0
14+20.00000	626	0
14+40.00000	627	0
14+60.00000	271	122
14+80.00000	14	801
15+00.00000	22	76
15+20.00000	30	33
15+40.00000	21	33
15+60.00000	19	24
15+80.00000	13	12
16+00.00000	12	3
16+20.00000	12	2
16+40.00000	8	2
16+60.00000	4	6
16+80.00000	1	71
17+00.00000	9	97
17+20.00000	33	51
17+40.00000	42	64
17+60.00000	33	228
17+80.00000	16	755
18+00.00000	0	1596
18+20.00000	0	1761
18+40.00000	0	1603
18+60.00000	0	2188
18+80.00000	0	2308
19+00.00000	0	1581

Station Y1A	Uncl. Exc. (cu. meters)	Embt (cu. meters)
10+20.00000	0	0
10+40.00000	0	267
10+60.00000	25	119
10+80.00000	43	2
11+00.00000	19	2

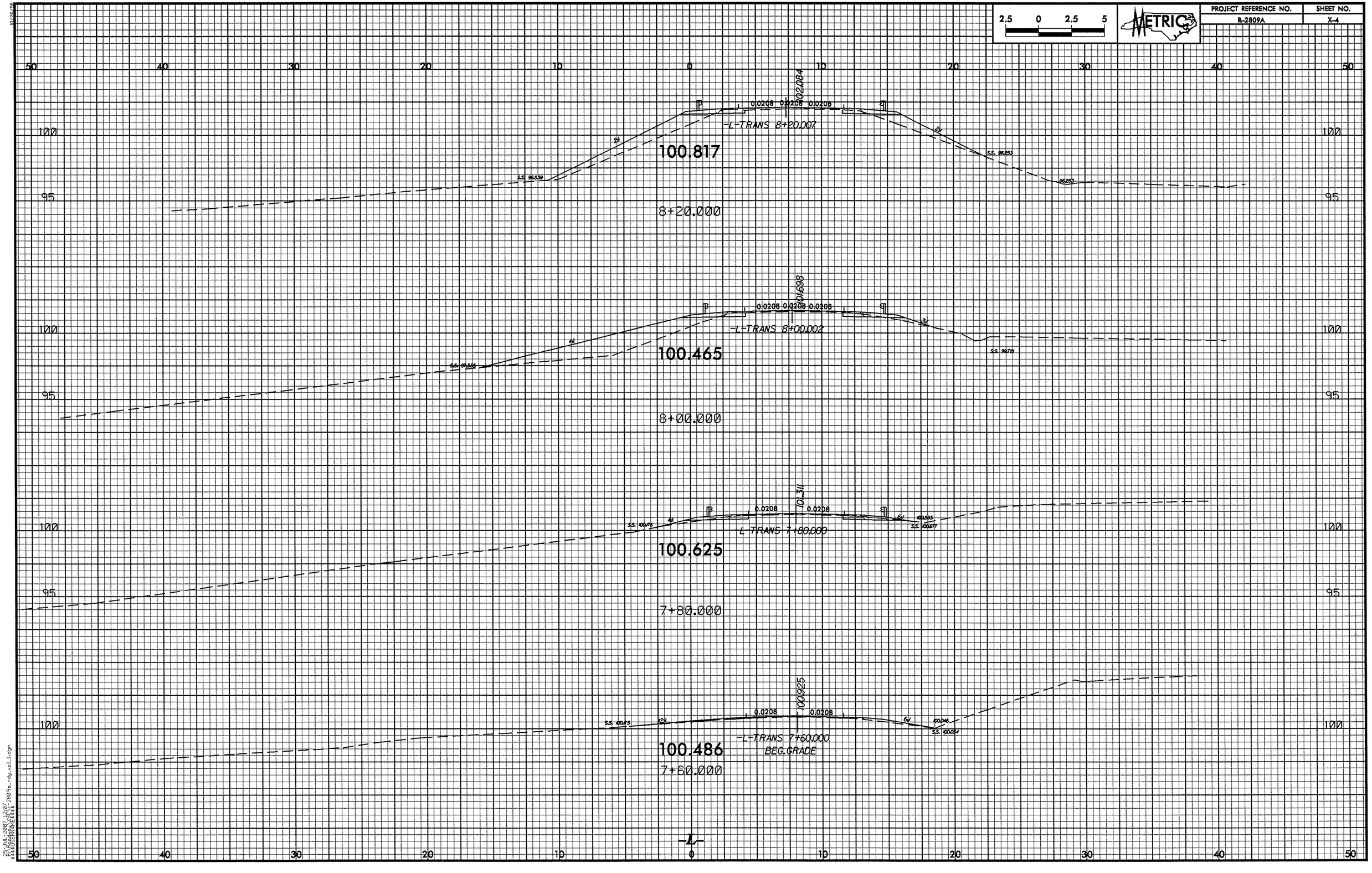
Station Y9	Uncl. Exc. (cu. meters)	Embt (cu. meters)
10+25.000	0	0
10+30.000	310	0
10+40.000	598	0
10+50.000	356	0
10+60.000	195	4
10+70.000	42	4

INDEX OF CROSS-SECTIONS

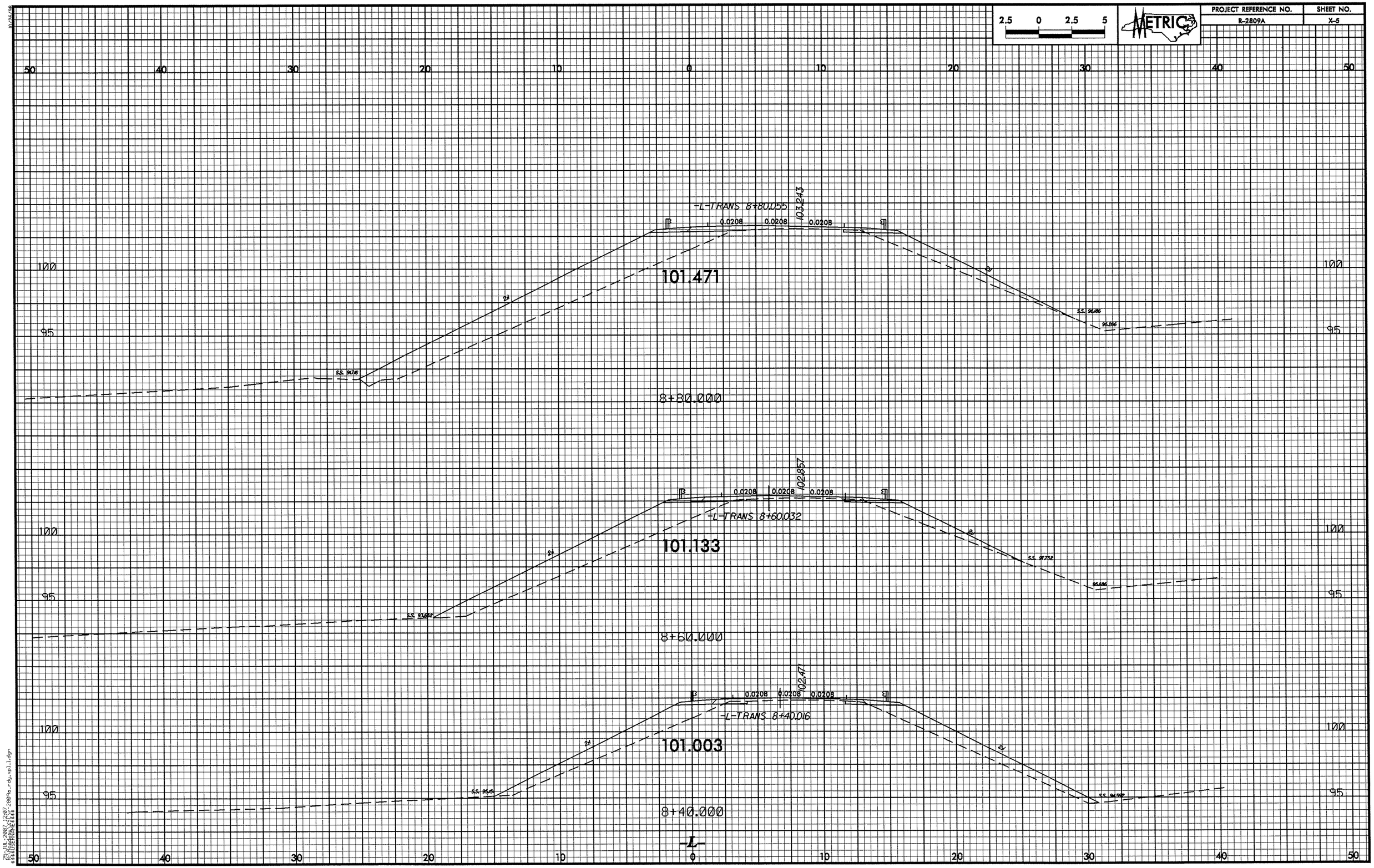
-L- 7+00 TO 32+80	X-3 THUR X-40
-Y8- 10+00 TO 10+80	X-41 THUR X-42
-Y3- 10+00 TO 11+40	X-43 THUR X-46
-Y3A- 10+00 TO 11+80	X-47 THUR X-49
-Y2- 8+60 T0 30+73.920	X-50 THUR X-72
-Y5- 10+20 TO 13+60	X-73 THUR X-77
-Y3B 10+00 TO 12+63.730	X-78 THUR X-82
-Y4- 10+00 TO 11+00	X-83 THUR X-85
-Y6- 10+00 TO 10+60	X-86 THUR X-87
-Y1- 10+00 TO 19+07.423	X-88 THUR X-101
-Y1A- 10+00 TO 11+65.972	X-102 THUR X-104
-Y9- 10+00 TO 11+09.000	X-105 THUR X-107



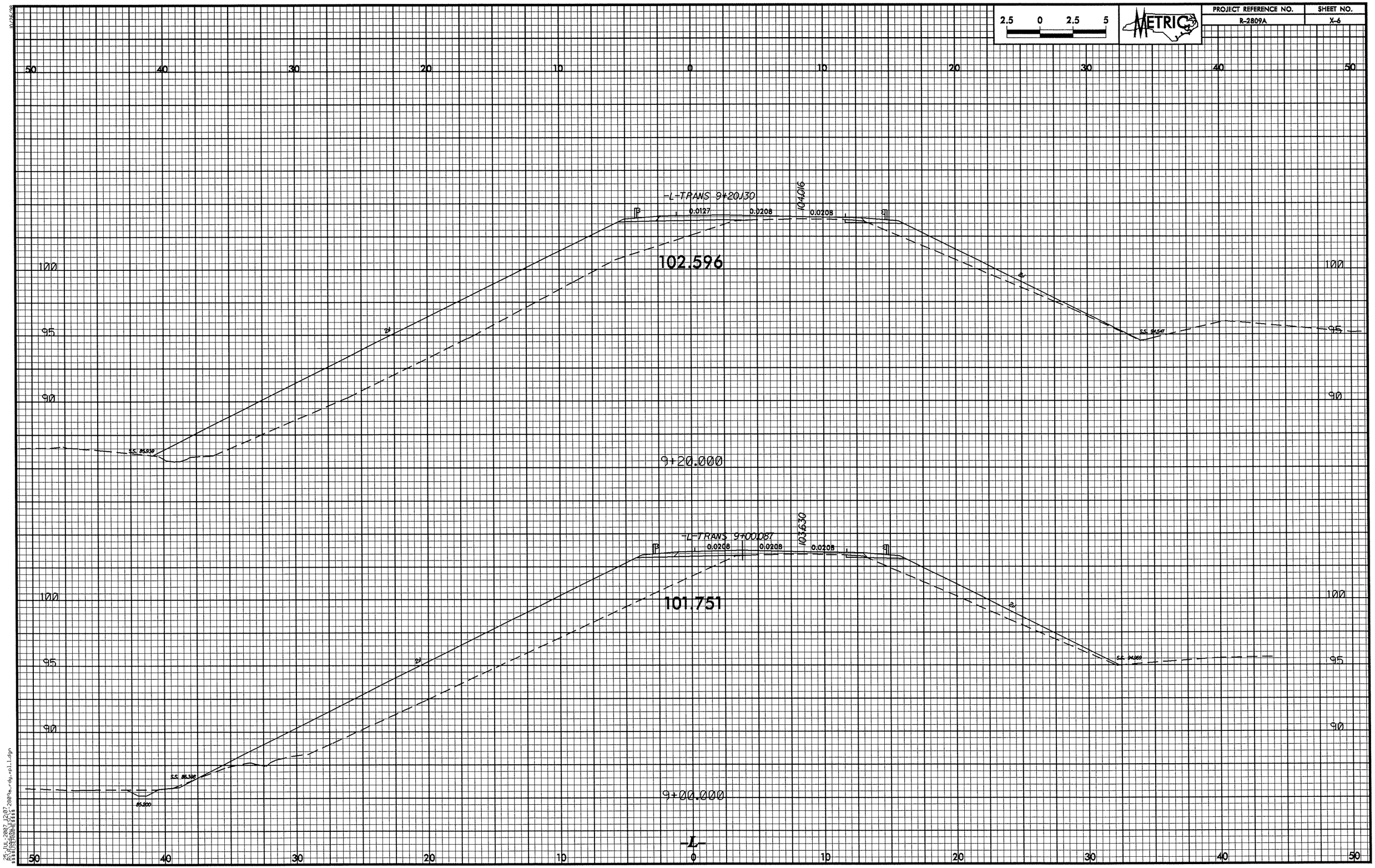
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-3
50 40 30 20 10 0 10 20 30 40 50
105
100
EXIST.S.E.
EXIST.S.E.
-L-TRANS 7+40.000
BEG.CONST.
100.031
7+40.000
99.543
7+20.000
99.226
7+00.000
-L-



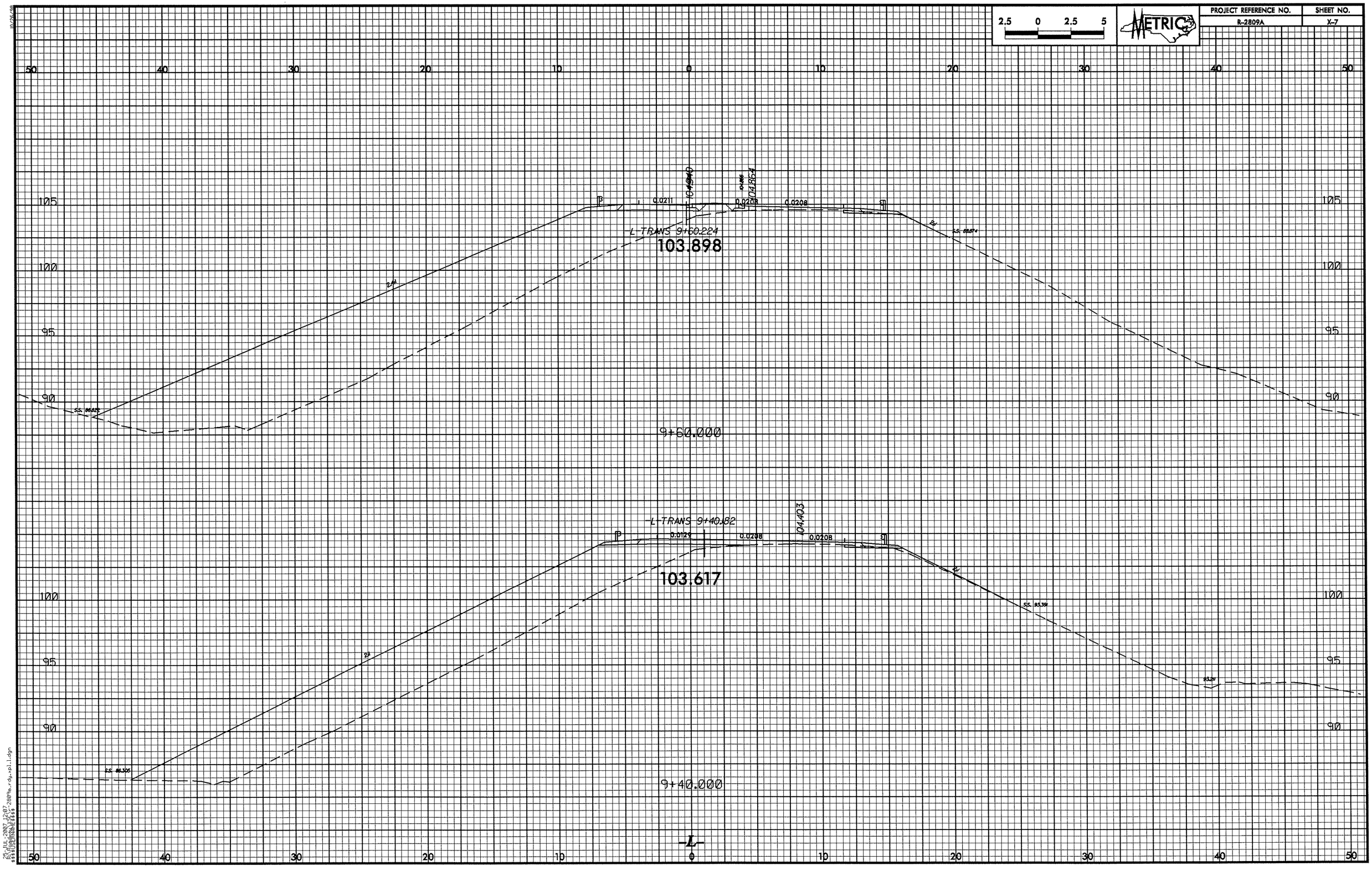
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-4
50 40 30 20 10 0 10 20 30 40 50
100
95
102.084
0.0208 0.0208 0.0208
-L-TRANS 8+20.007
100.817
8+20.000
101.698
0.0208 0.0208 0.0208
-L-TRANS 8+00.002
100.465
8+00.000
101.311
0.0208 0.0208
L TRANS 7+80.000
100.625
7+80.000
100.925
0.0208 0.0208
-L-TRANS 7+60.000
BEG.GRADE
100.486
7+60.000
-L-



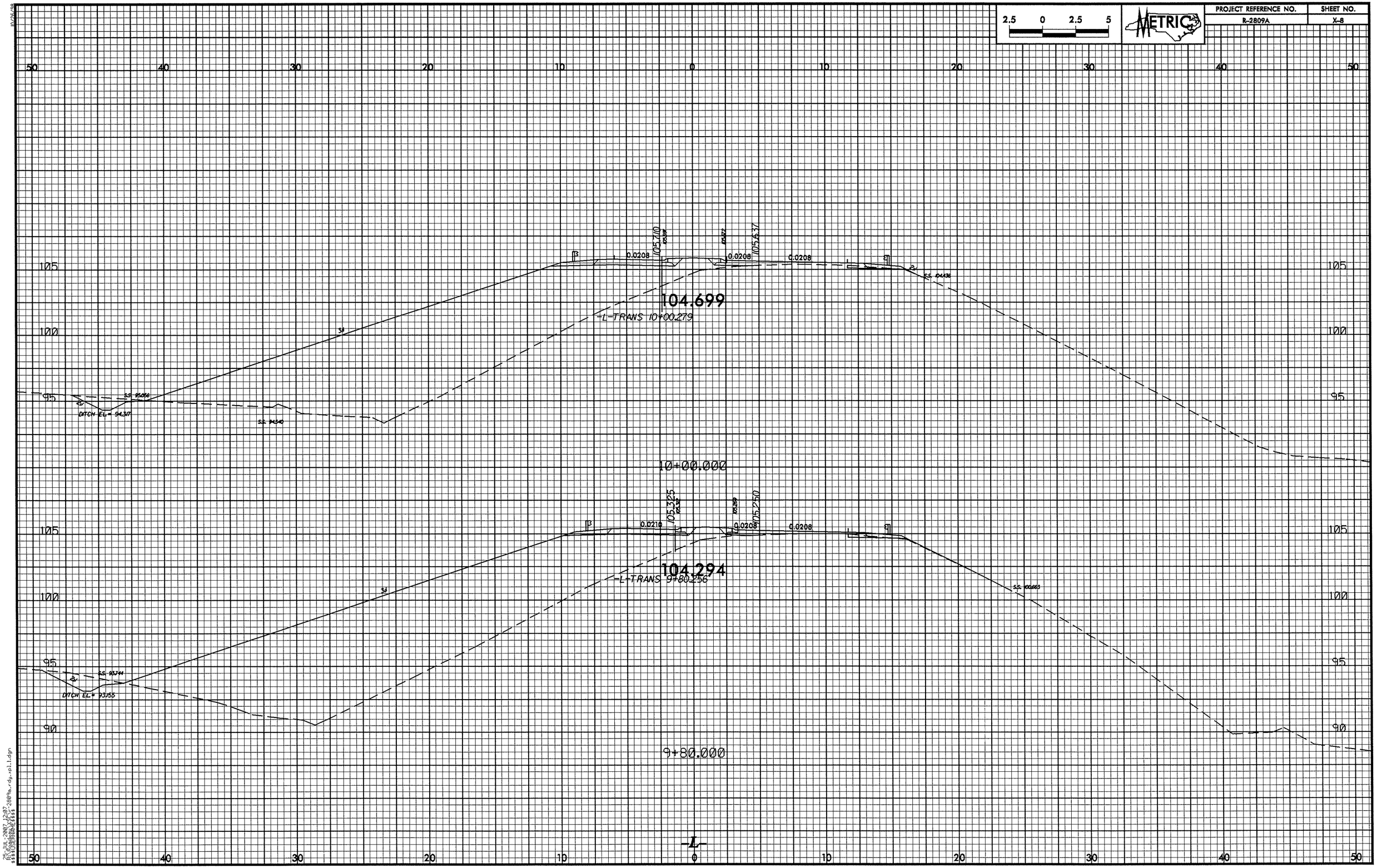
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-5
-L-TRANS 8+80.055
103.243
0.0208
0.0208
0.0208
101.471
8+80.000
-L-TRANS 8+60.032
102.857
101.133
8+60.000
-L-TRANS 8+40.016
102.471
101.003
8+40.000
-L-



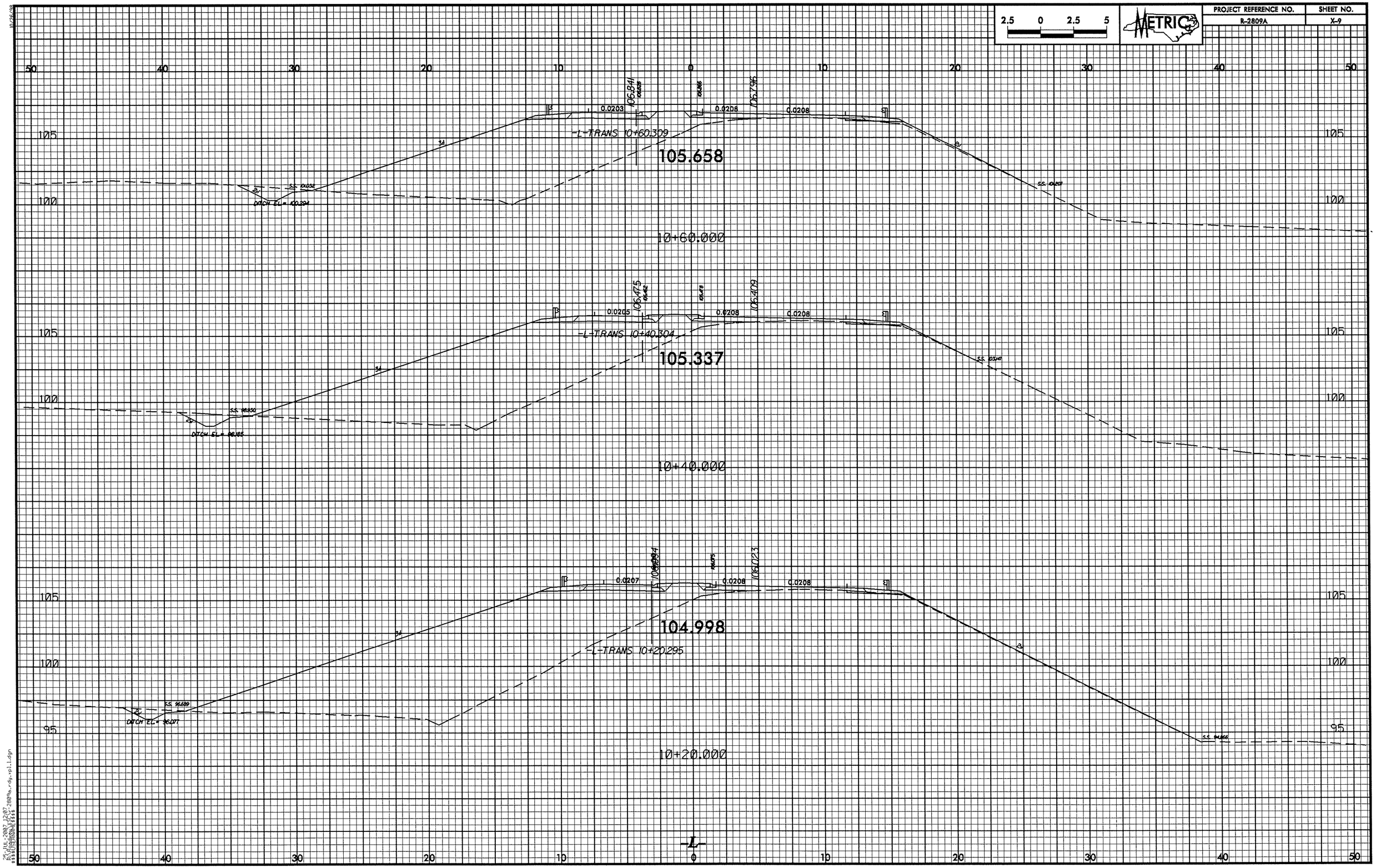
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-6
-L-TRANS 9+20.130
104.016
0.0127
0.0208
0.0208
102.596
9+20.000
-L-TRANS 9+00.087
103.630
0.0208
0.0208
0.0208
101.751
9+00.000
-L-
50
40
30
20
10
0
10
20
30
40
50
100
95
90



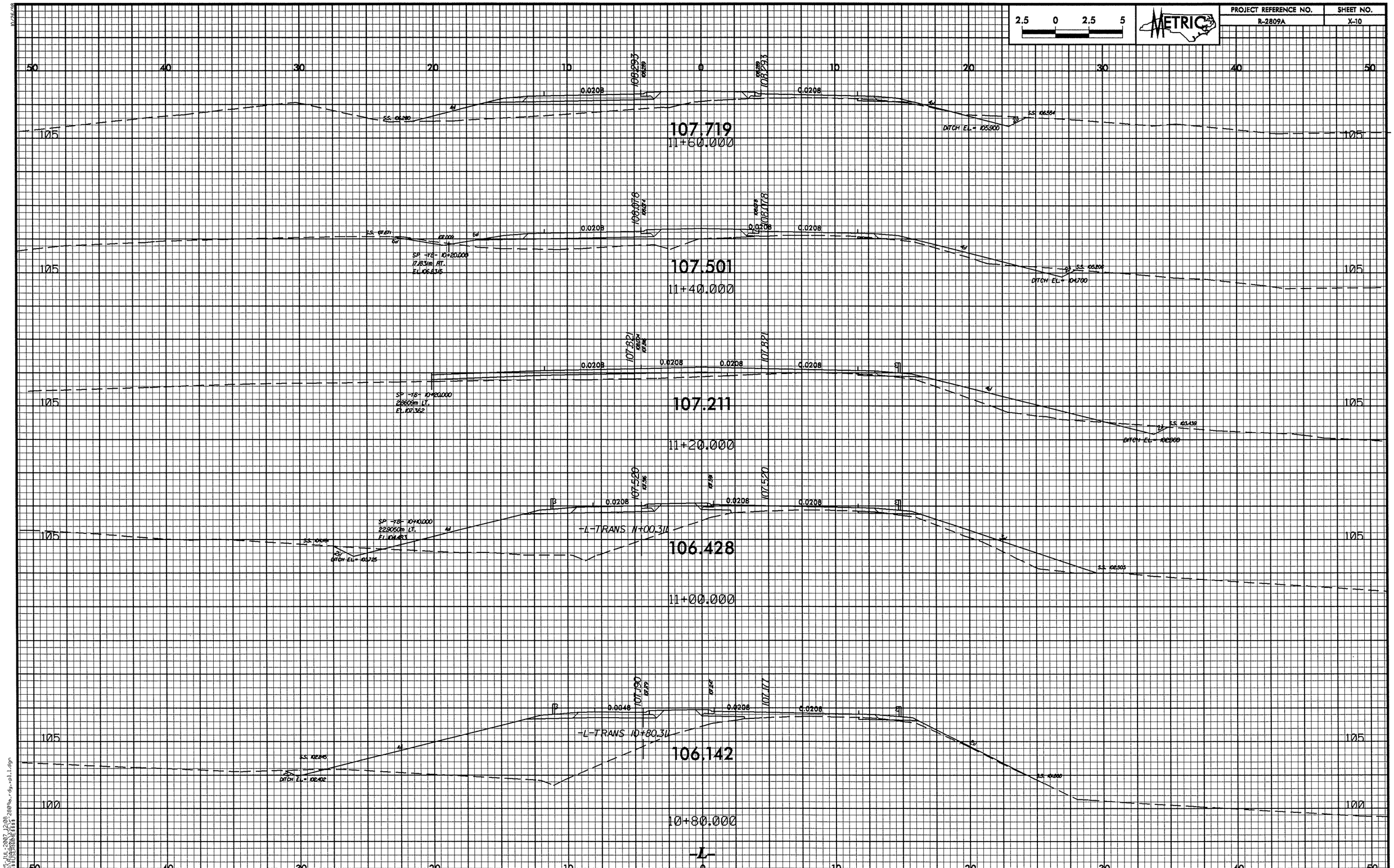
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-7
50 40 30 20 10 0 10 20 30 40 50
105
100
95
90
0.0211
0.0208
0.0208
104.864
L-TRANS 9+60.224
103.898
9+60.000
L-TRANS 9+40.82
0.0129
0.0208
0.0208
104.403
103.617
9+40.000
-L-



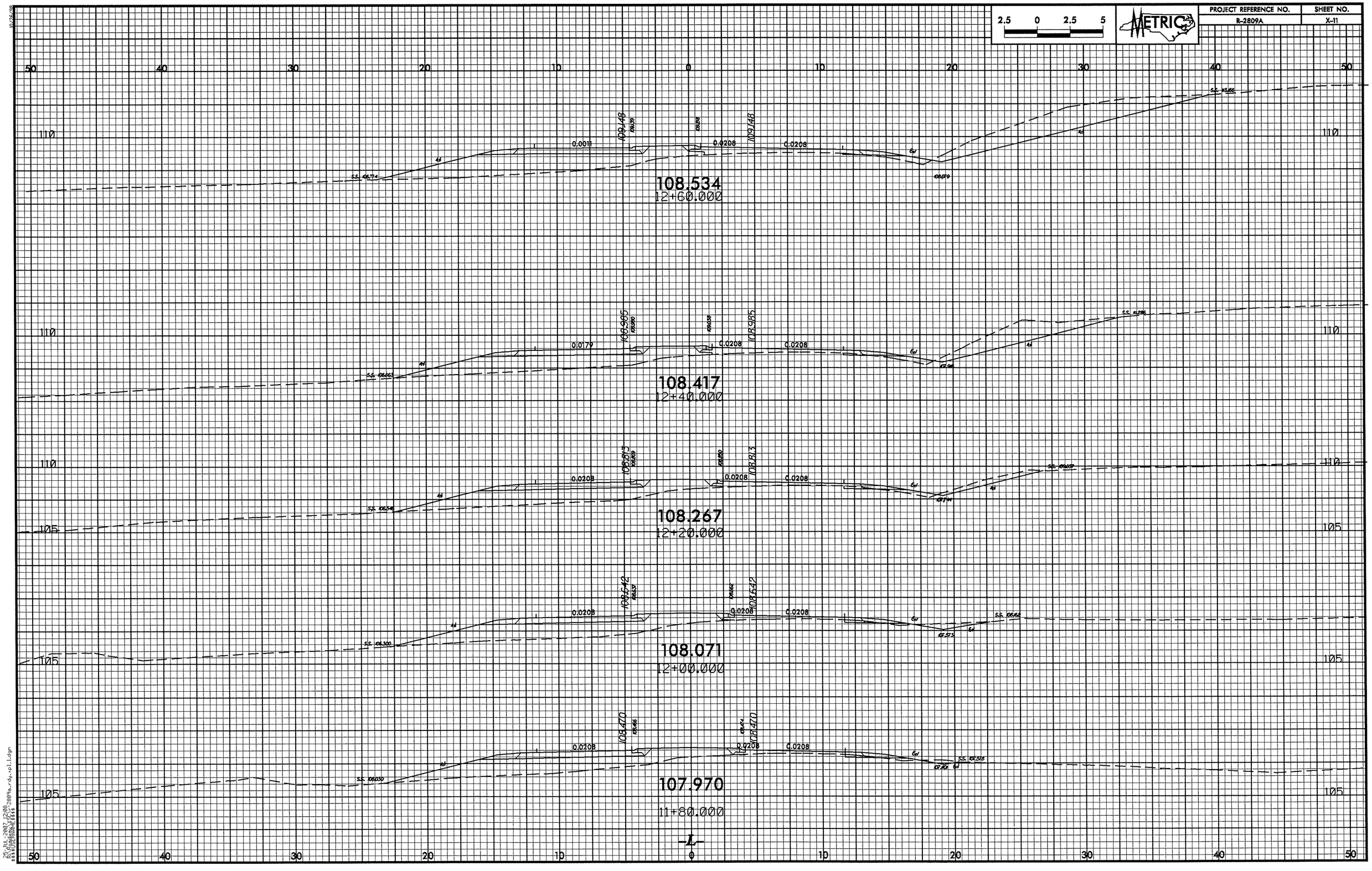
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-8
METRIC
2.5 0 2.5 5
50 40 30 20 10 0 10 20 30 40 50
105
100
95
90
105.710
105.637
0.0208
0.0208
0.0208
104.699
-L-TRANS 10+00.279
S.S. 95.056
DITCH EL= 94.317
S.S. 94.540
S.S. 104.136
10+00.000
105.325
105.250
0.0210
0.0208
0.0208
104.294
-L-TRANS 9+80.256
S.S. 93.744
DITCH EL= 93.155
S.S. 100.663
9+80.000
-L-



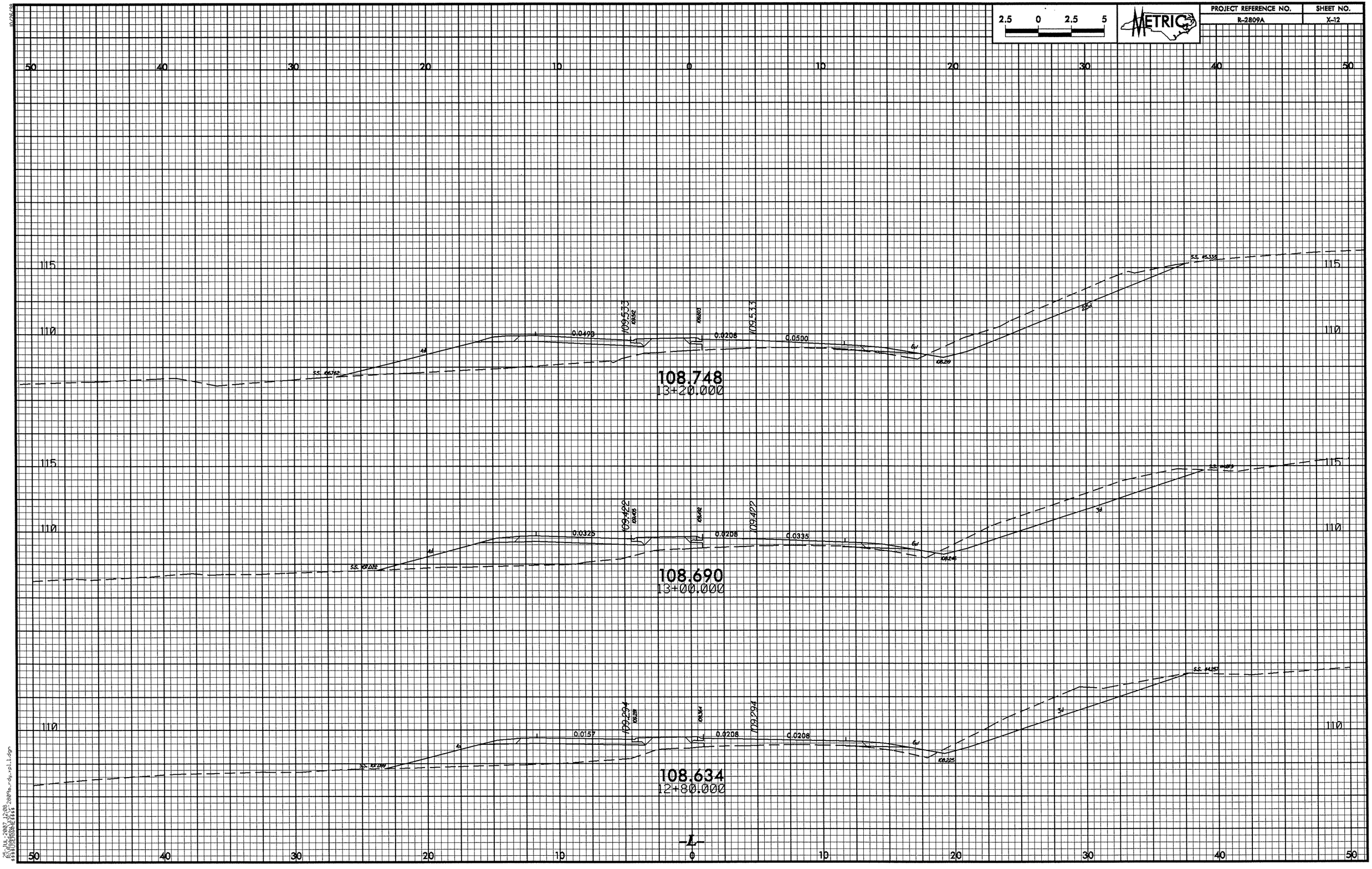
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-9
50 40 30 20 10 0 10 20 30 40 50
105
100
95
106.841
106.796
0.0203
0.0208
0.0208
-L-TRANS 10+60.309
105.658
S.S. 101.032
DITCH EL = 100.294
S.S. 101.201
10+60.000
106.475
106.409
0.0205
0.0208
0.0208
-L-TRANS 10+40.304
105.337
S.S. 98.930
DITCH EL = 98.185
S.S. 103.40
10+40.000
106.094
106.023
0.0207
0.0208
0.0208
104.998
-L-TRANS 10+20.295
S.S. 96.689
DITCH EL = 96.077
S.S. 94.866
10+20.000
-L-



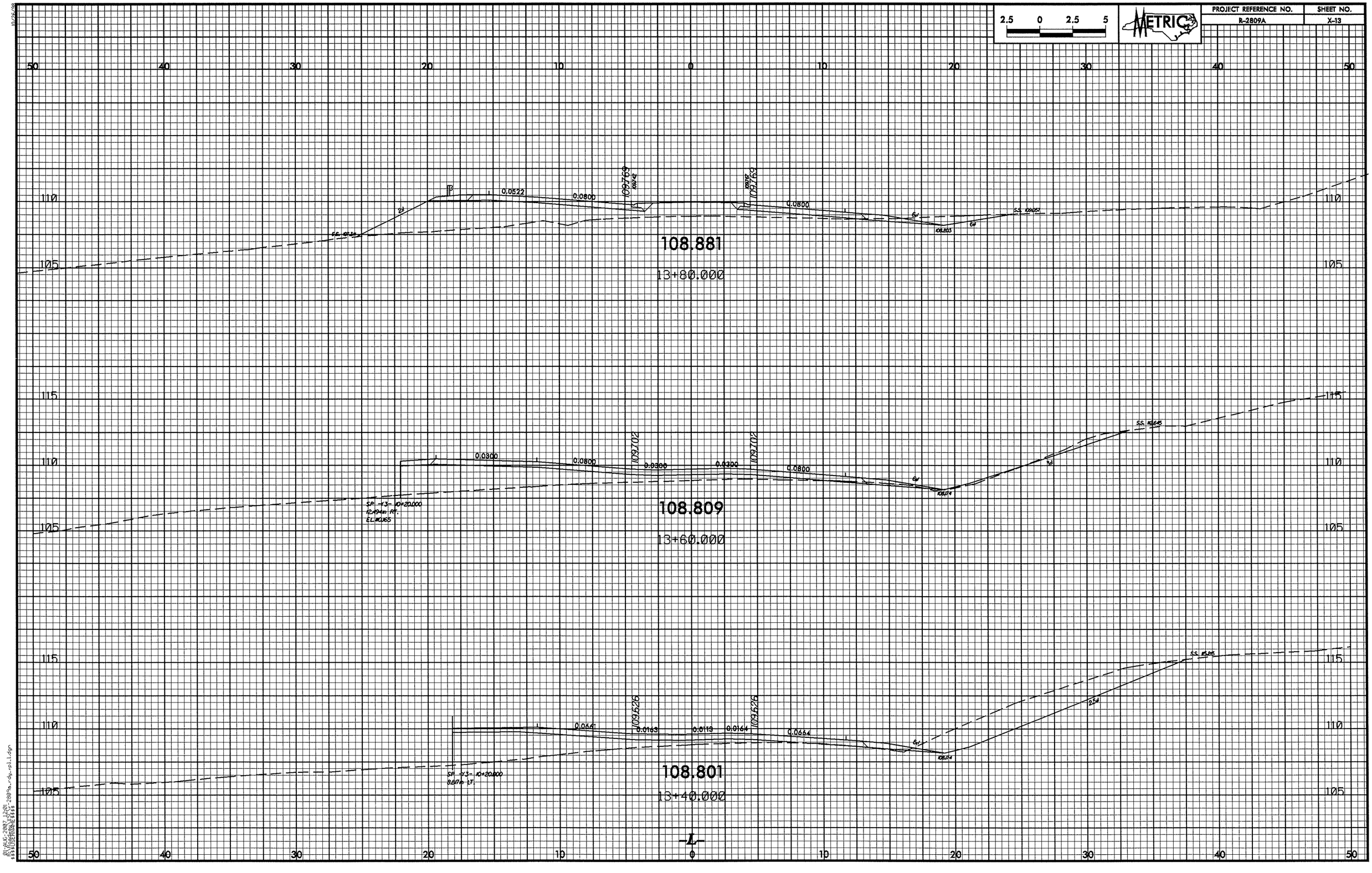
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-10
107.719
11+60.000
107.501
11+40.000
107.211
11+20.000
106.428
11+00.000
106.142
10+80.000
-L-
-L-TRANS 11+00.311
-L-TRANS 10+80.311
DITCH EL.= 105.900
DITCH EL.= 104.700
DITCH EL.= 102.900
DITCH EL.= 103.725
DITCH EL.= 102.402
0.0208
0.0048
105
100
50
40
30
20
10
0



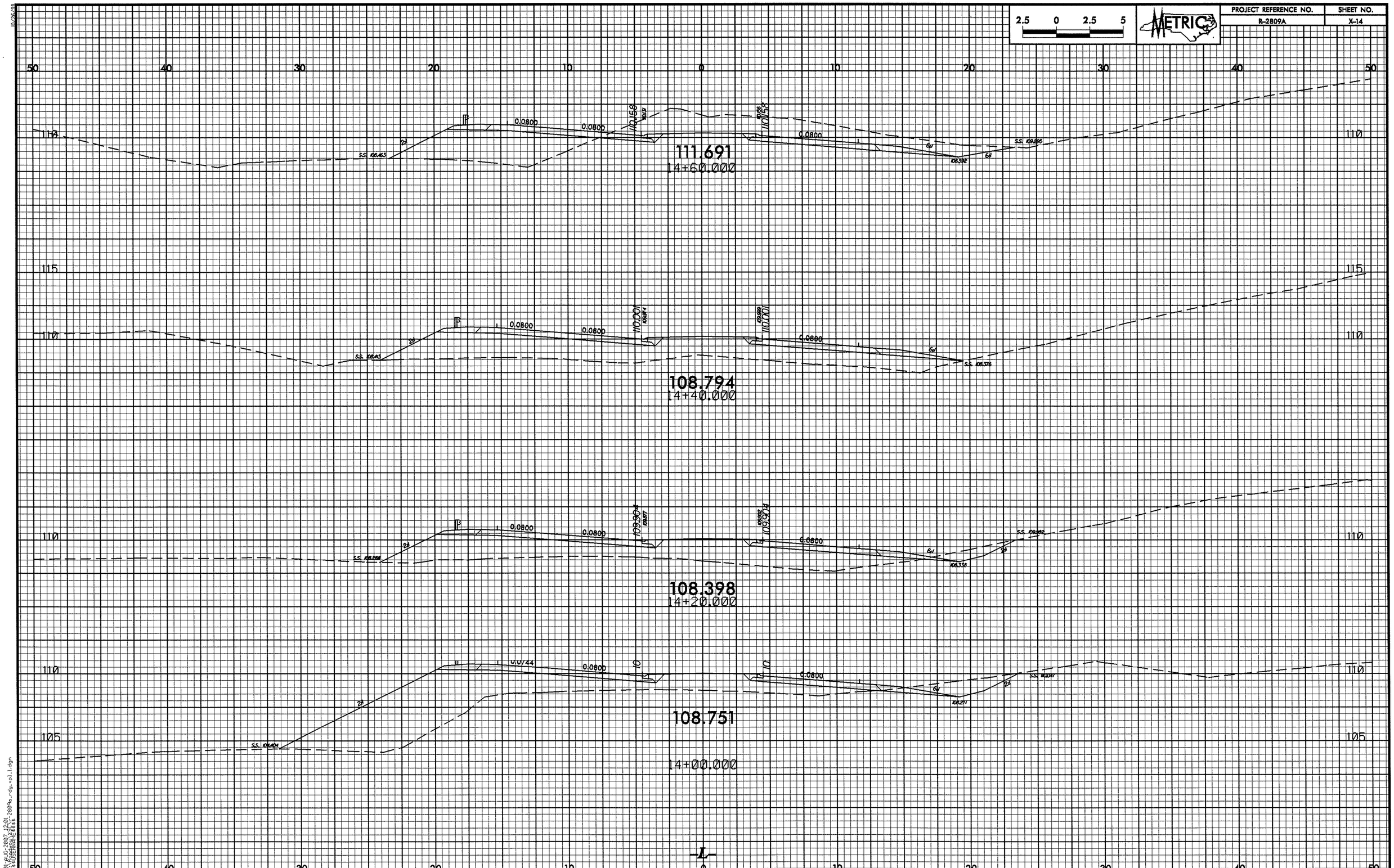
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-11
108.534
12+60.000
108.417
12+40.000
108.267
12+20.000
108.071
12+00.000
107.970
11+80.000
-L-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-12
50 40 30 20 10 0 10 20 30 40 50
115
110
0.0498
0.0208
0.0500
109.533
108.748
13+20.000
0.0325
0.0208
0.0335
109.422
108.690
13+00.000
0.0157
0.0208
0.0208
109.294
108.634
12+80.000
-L-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-13
108.881
13+80.000
108.809
13+60.000
108.801
13+40.000
0.0522
0.0800
0.0300
0.0664
0.0163
0.0113
0.0164
109.769
109.702
109.626
SP -Y3- 10+20.000
12.494m RT.
EL.#0.165
SP -Y3- 10+20.000
8.817m LT.
-L-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-14
111.691
14+60.000
108.794
14+40.000
108.398
14+20.000
108.751
14+00.000
0.0800
0.0744
110
115
105
-L-

PROJECT REFERENCE NO.	SHEET NO.
R-2809A	X-15

2.5 0 2.5 5

METRIC

50 40 30 20 10 0 10 20 30 40 50

110.087
15+40.000

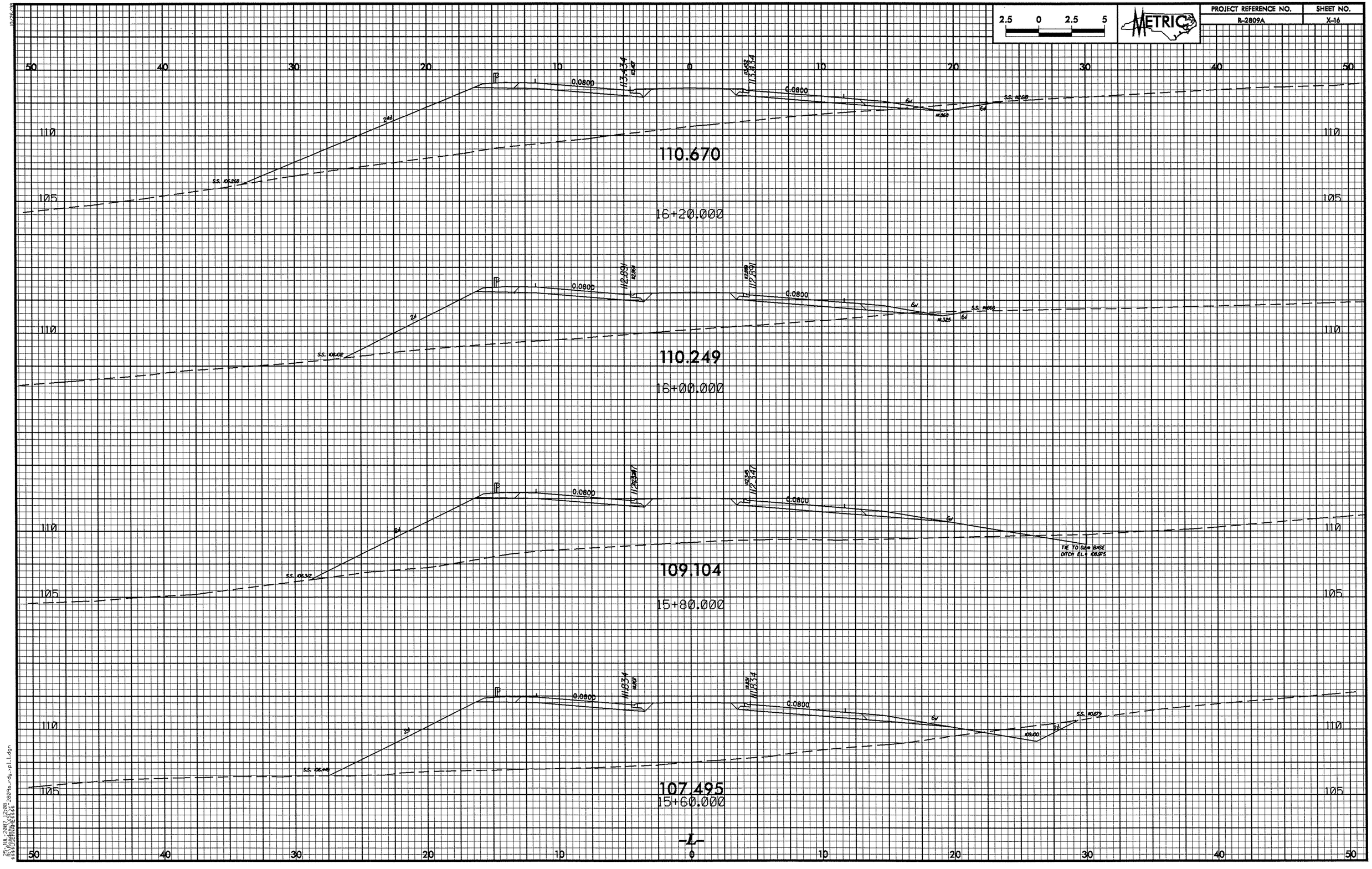
110.162
15+20.000

113.503
15+00.000

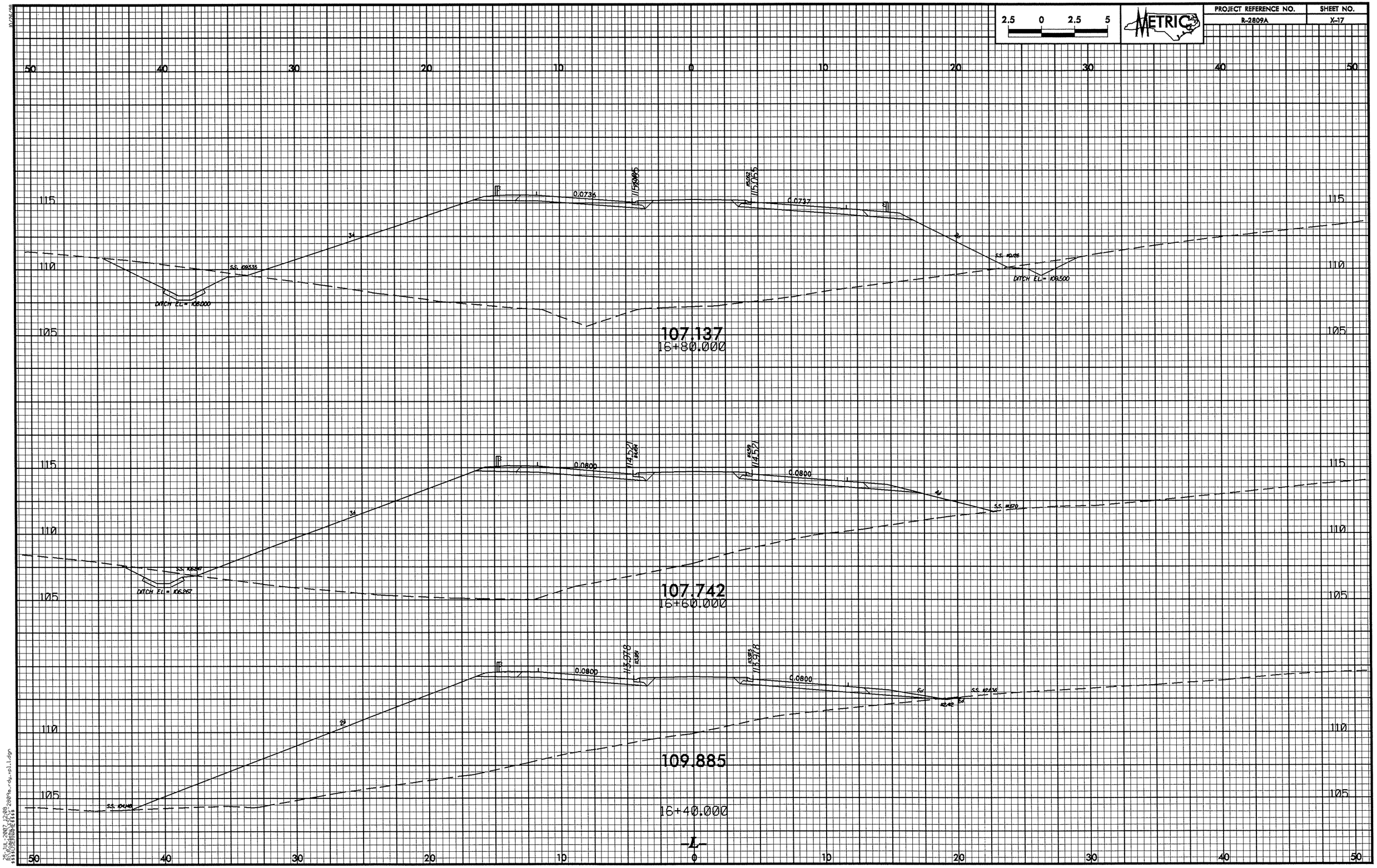
113.546
14+80.000

-L-

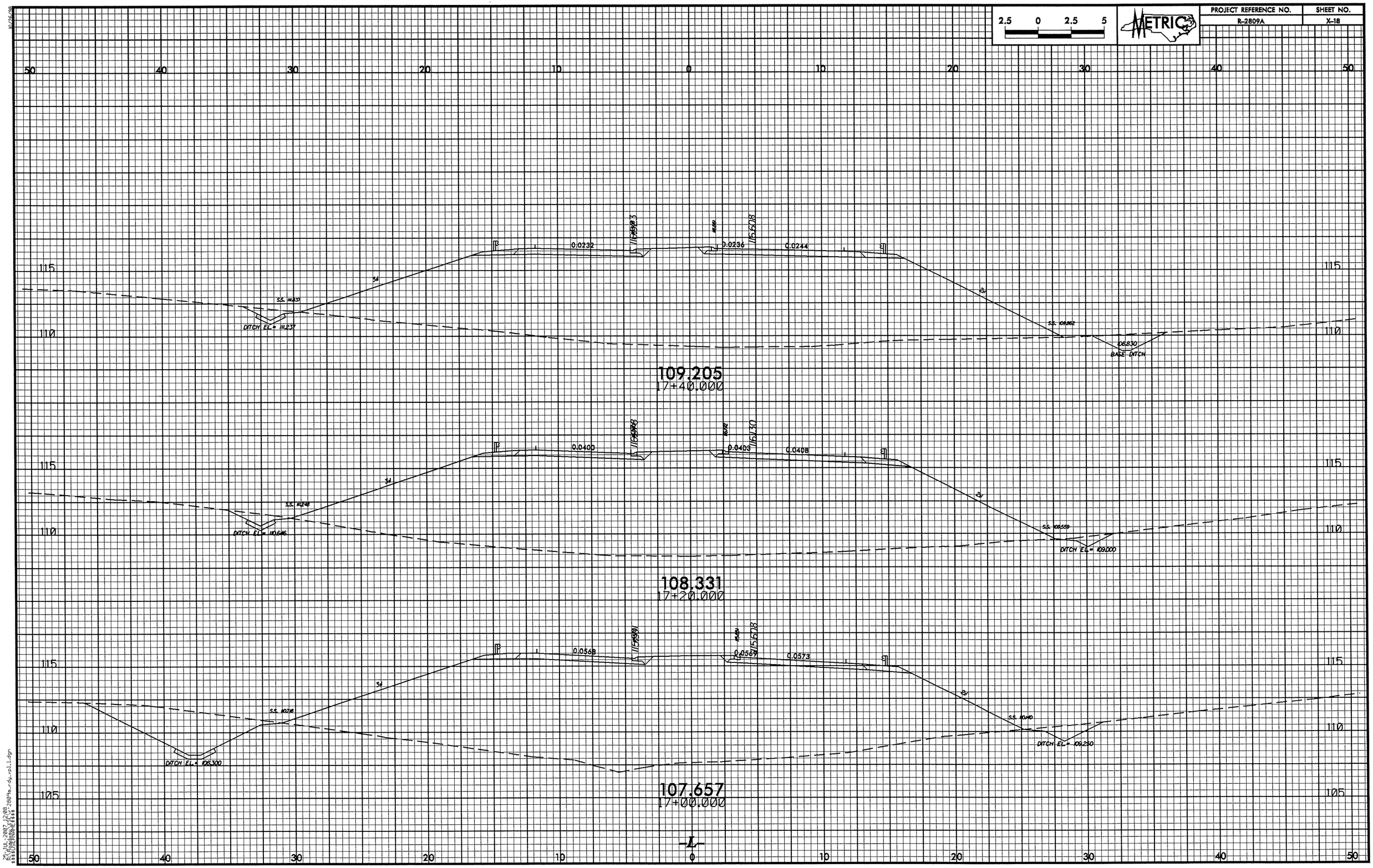
01-AUG-2007 12:01
$$$$USERNAME$$$$
r-2809a_rdy_pl1.dgn



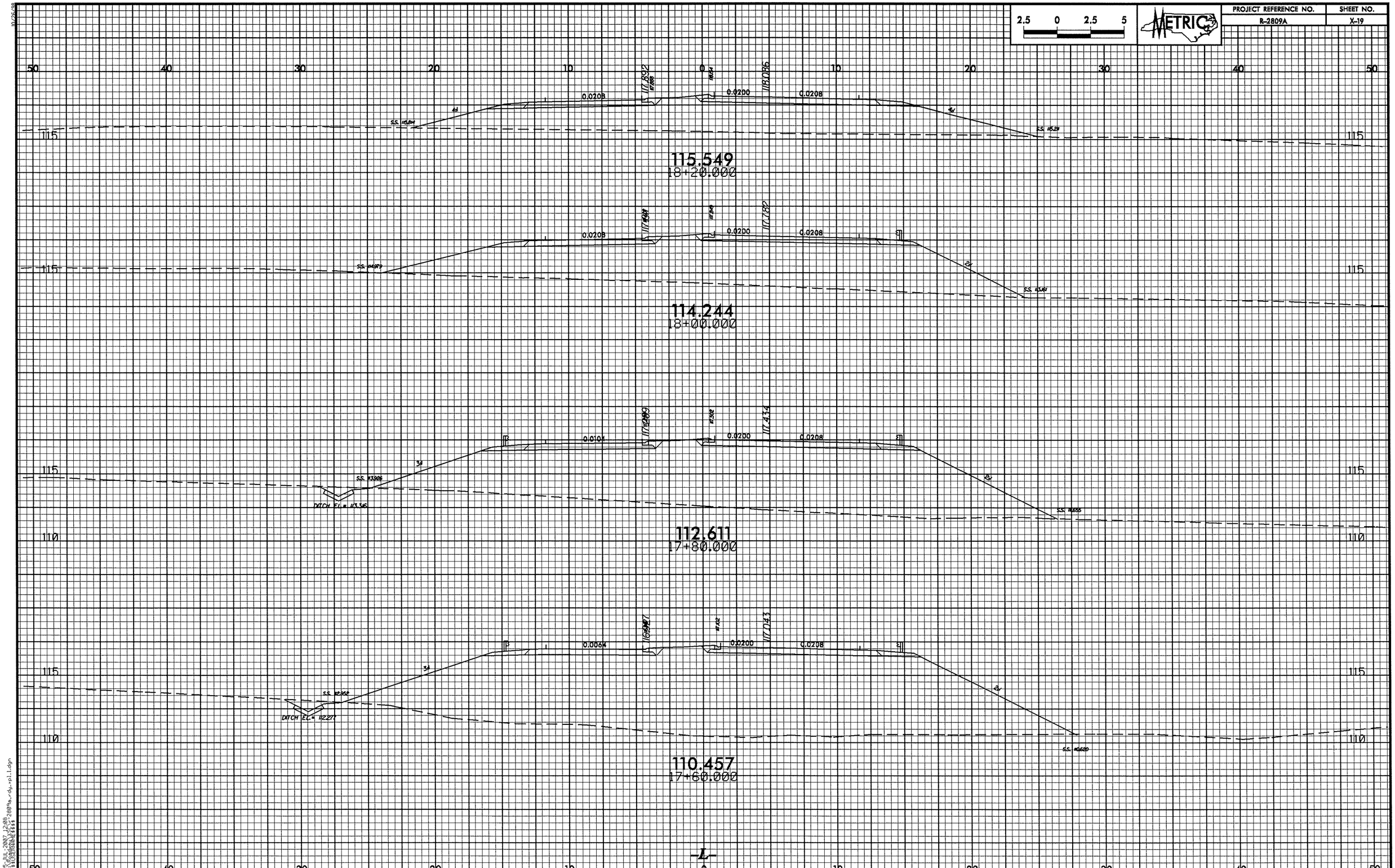
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-16
110.670
16+20.000
110.249
16+00.000
109.104
15+80.000
107.495
15+60.000
0.0800
-L-



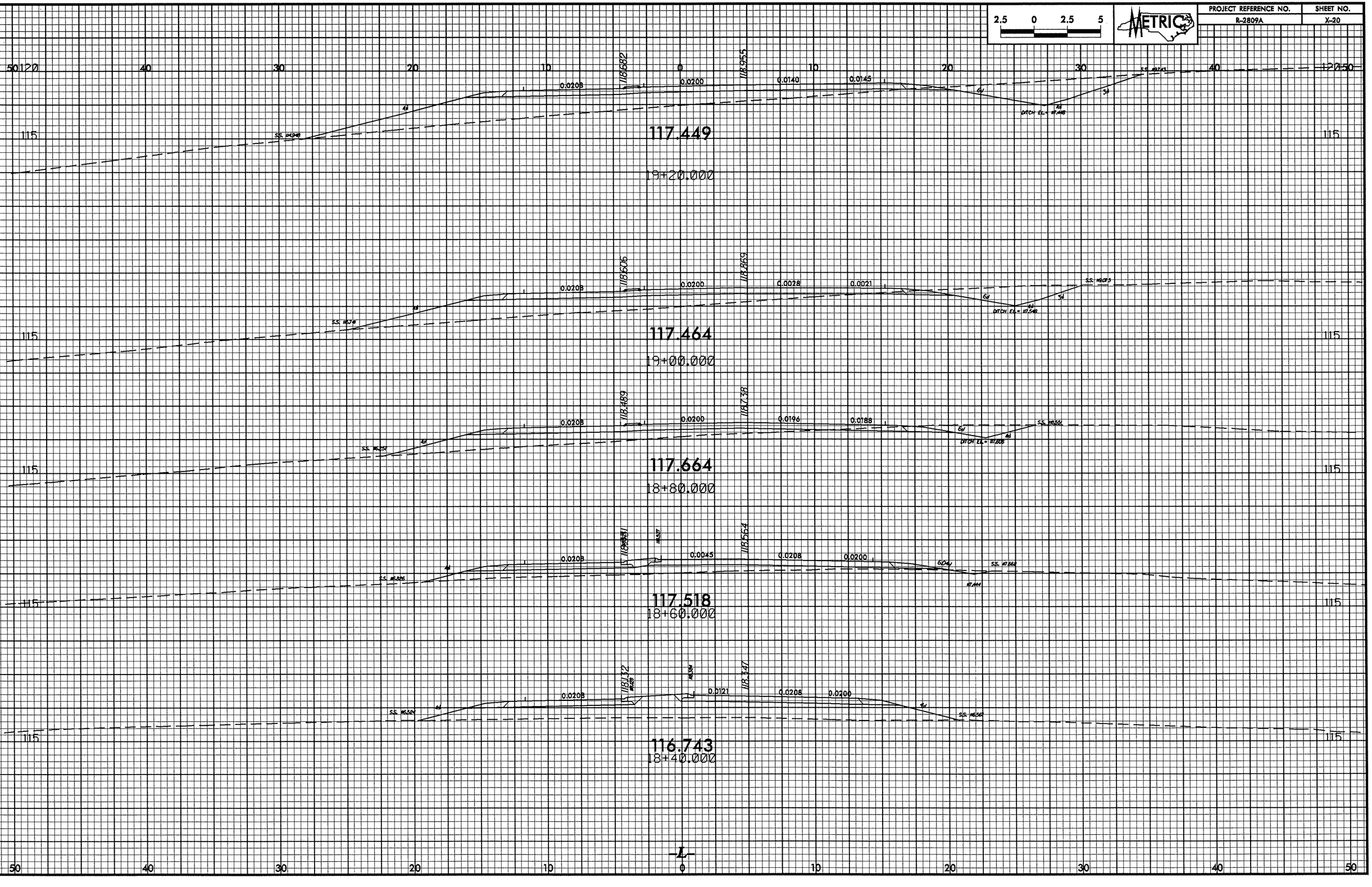
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-17
50 40 30 20 10 0 10 20 30 40 50
115
110
105
0.0736
0.0737
DITCH EL= 108.000
DITCH EL= 108.500
107.137
16+80.000
0.0800
0.0800
DITCH EL= 106.267
107.742
16+60.000
0.0800
0.0800
109.885
16+40.000
-L-



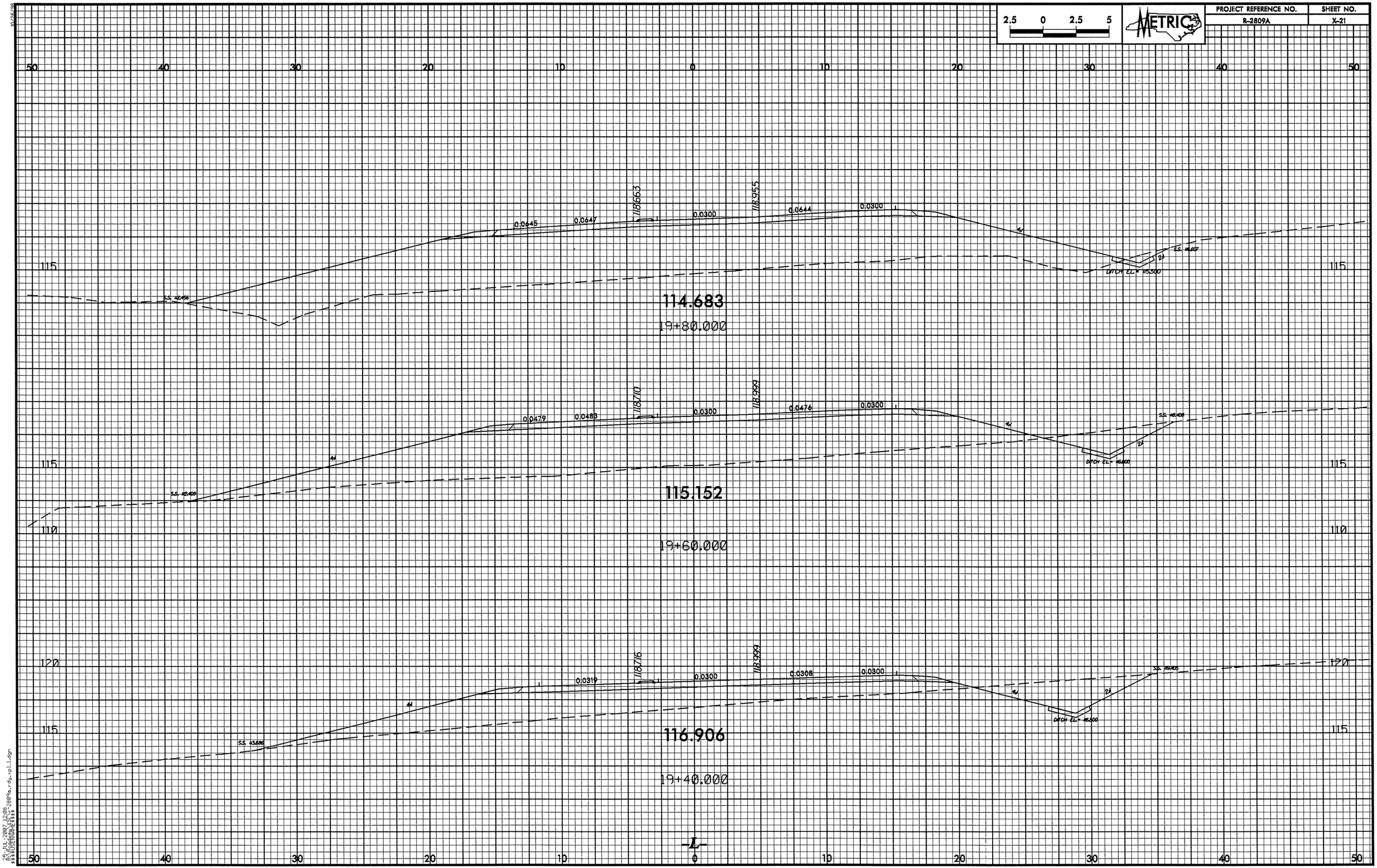
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-18
50 40 30 20 10 0 10 20 30 40 50
115
110
0.0232
0.0236
0.0244
116.608
S.S. 111.237
DITCH EL.= 111.237
S.S. 108.862
108.830
BASE DITCH
109.205
17+40.000
0.0400
0.0403
0.0408
116.130
S.S. 111.248
DITCH EL.= 110.646
S.S. 109.559
DITCH EL.= 109.000
108.331
17+20.000
0.0568
0.0569
0.0573
115.608
S.S. 110.718
DITCH EL.= 108.300
S.S. 110.140
DITCH EL.= 109.250
107.657
17+00.000
105
-L-



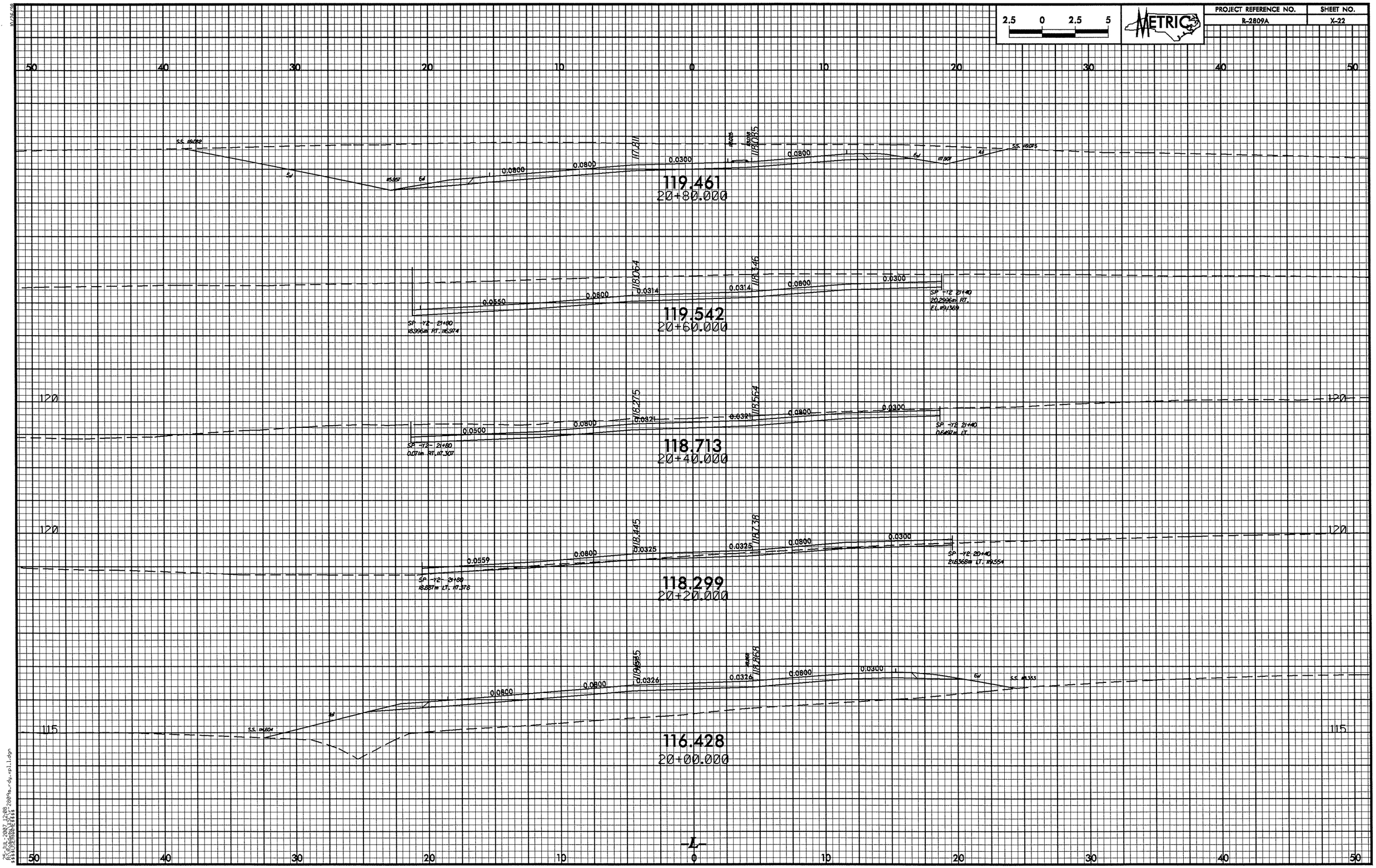
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-19
115.549
18+20.000
114.244
18+00.000
112.611
17+80.000
110.457
17+60.000
0.0208
0.0200
0.0104
0.0064
DITCH EL. = 113.346
DITCH EL. = 112.277
-L-



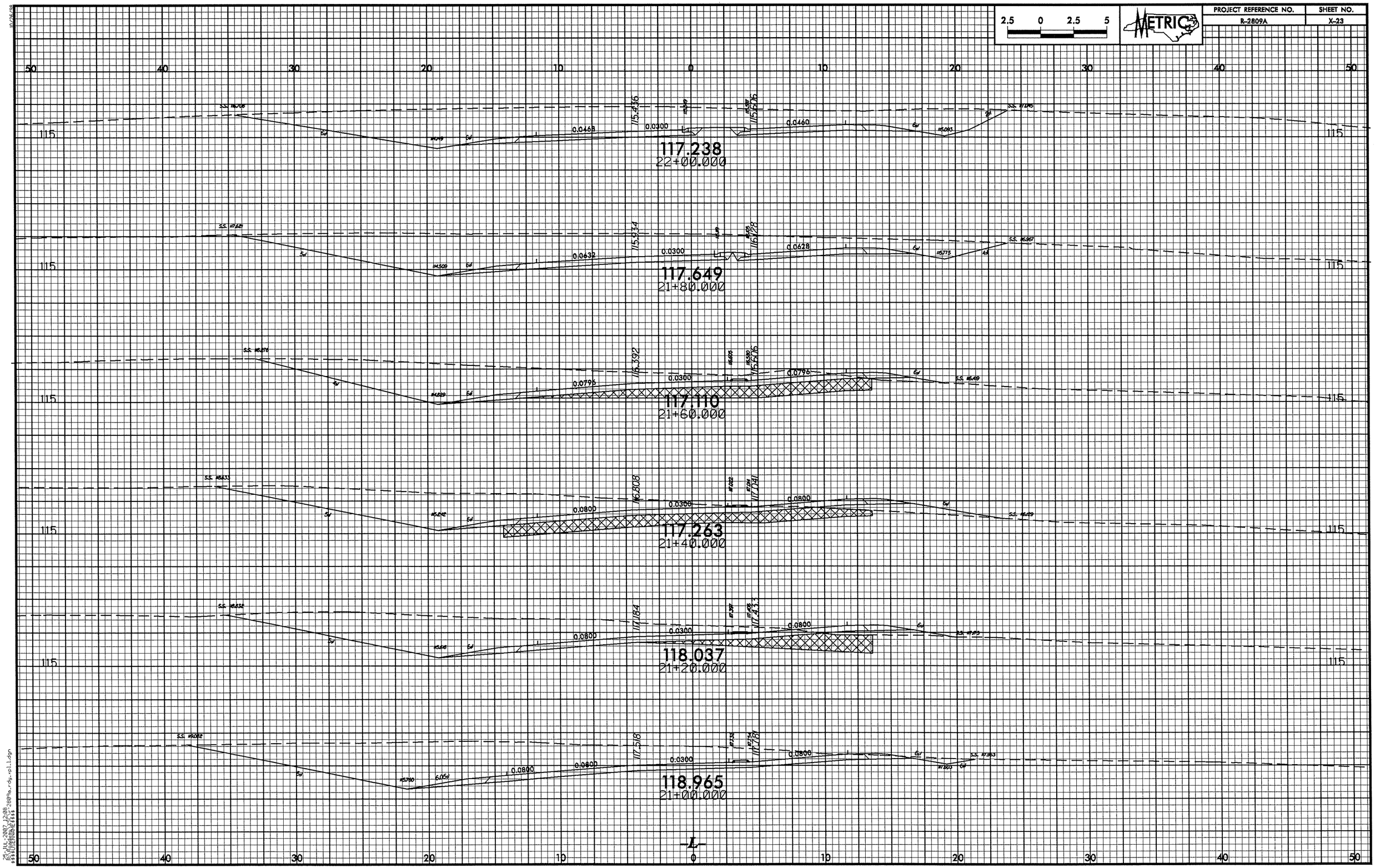
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-20
METRIC
2.5 0 2.5 5
117.449
19+20.000
117.464
19+00.000
117.664
18+80.000
117.518
18+60.000
116.743
18+40.000
0.0208
0.0200
0.0140
0.0145
0.0028
0.0021
0.0196
0.0188
0.0045
0.0121
118.682
118.955
118.606
118.869
118.489
118.738
118.564
118.132
118.347
DITCH EL.= 117.448
DITCH EL.= 117.548
DITCH EL.= 117.608
-L-



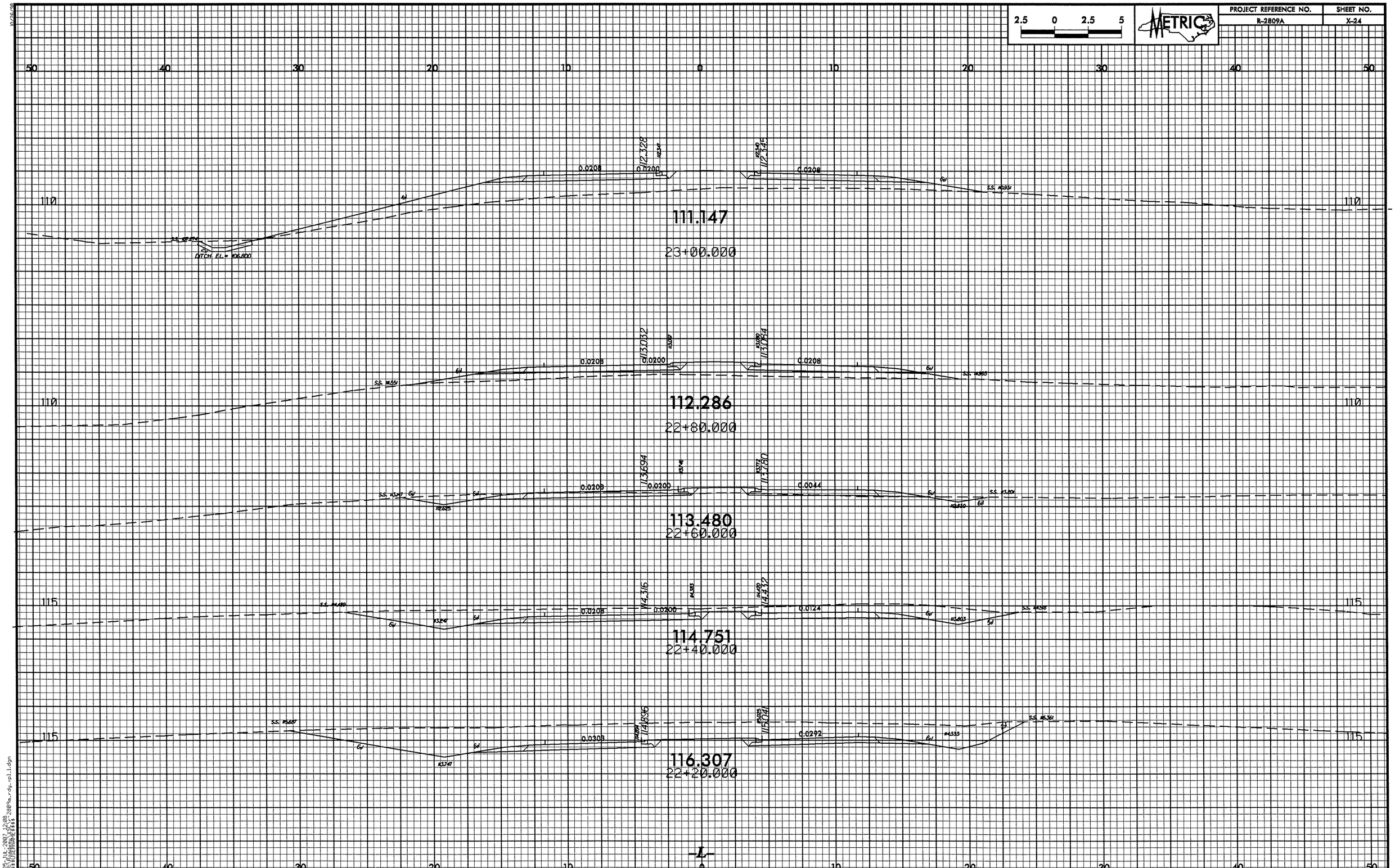
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-21
50 40 30 20 10 0 10 20 30 40 50
115
110
120
118.663
118.955
0.0645
0.0647
0.0300
0.0644
0.0300
DITCH EL.= 115.500
114.683
19+80.000
118.710
118.999
0.0479
0.0483
0.0300
0.0476
0.0300
DITCH EL.= 116.600
115.152
19+60.000
118.716
118.999
0.0319
0.0300
0.0308
0.0300
DITCH EL.= 116.600
116.906
19+40.000
-L-



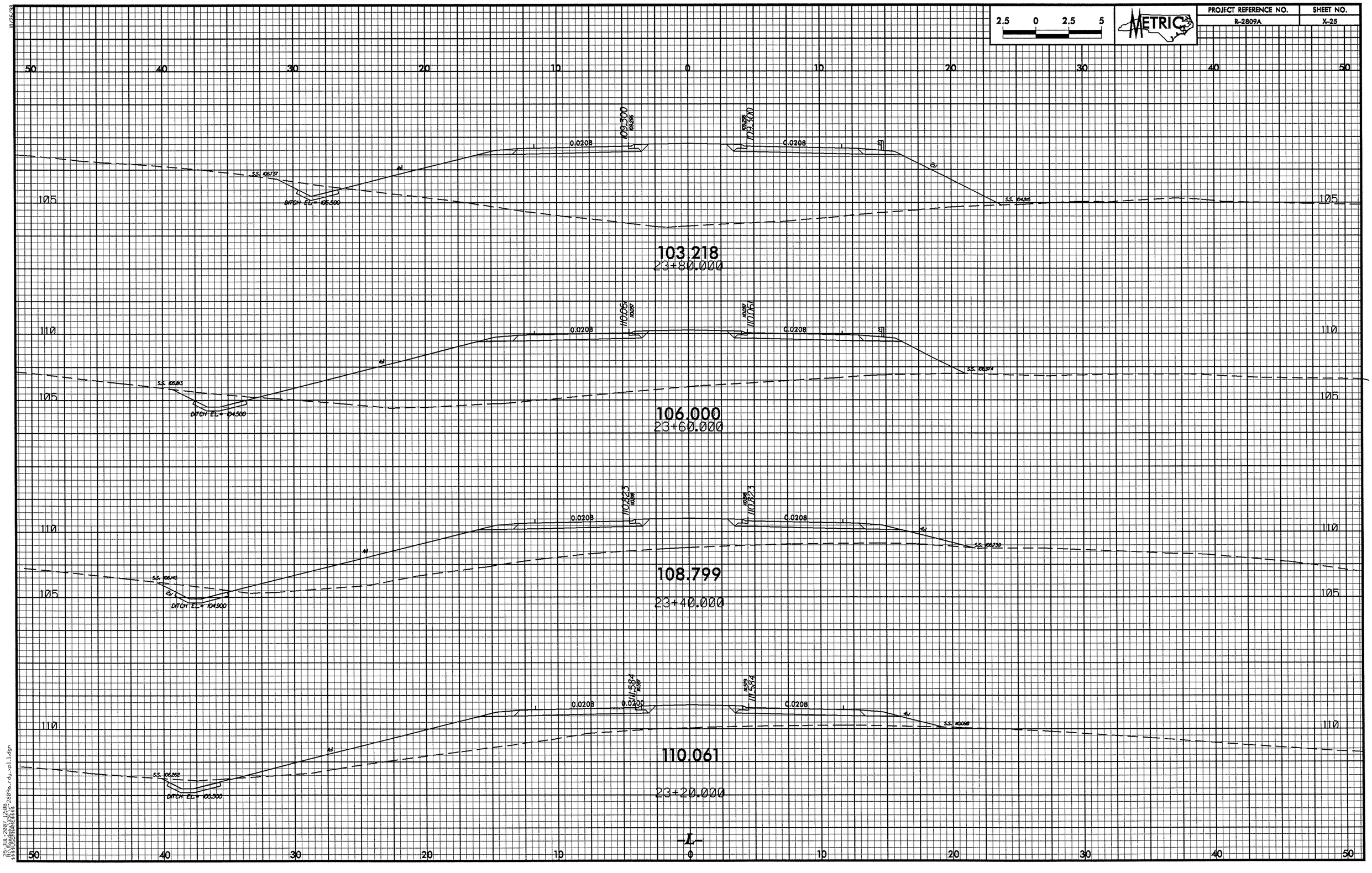
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-22
50 40 30 20 10 0 10 20 30 40 50
S.S. 119.082
117.811
118.085
0.0800
0.0800
0.0300
0.0800
119.461
20+80.000
118.064
118.346
0.0550
0.0800
0.0314
0.0314
0.0800
0.0300
SP -Y2- 21+80
18.996m RT. 116.974
SP -Y2 21+40
20.2996m RT.
EL. 119.1369
119.542
20+60.000
120
118.275
118.564
0.0500
0.0800
0.0321
0.0321
0.0800
0.0300
SP -Y2- 21+80
0.071m RT. 117.307
SP -Y2 21+40
0.6497m LT.
118.713
20+40.000
120
118.445
118.738
0.0559
0.0800
0.0325
0.0325
0.0800
0.0300
SP -Y2- 21+80
18.887m LT. 117.378
SP -Y2 20+40
21.8368m LT. 119.554
118.299
20+20.000
118.685
118.868
0.0800
0.0800
0.0326
0.0326
0.0800
0.0300
S.S. 114.604
S.S. 118.353
115
116.428
20+00.000
-L-



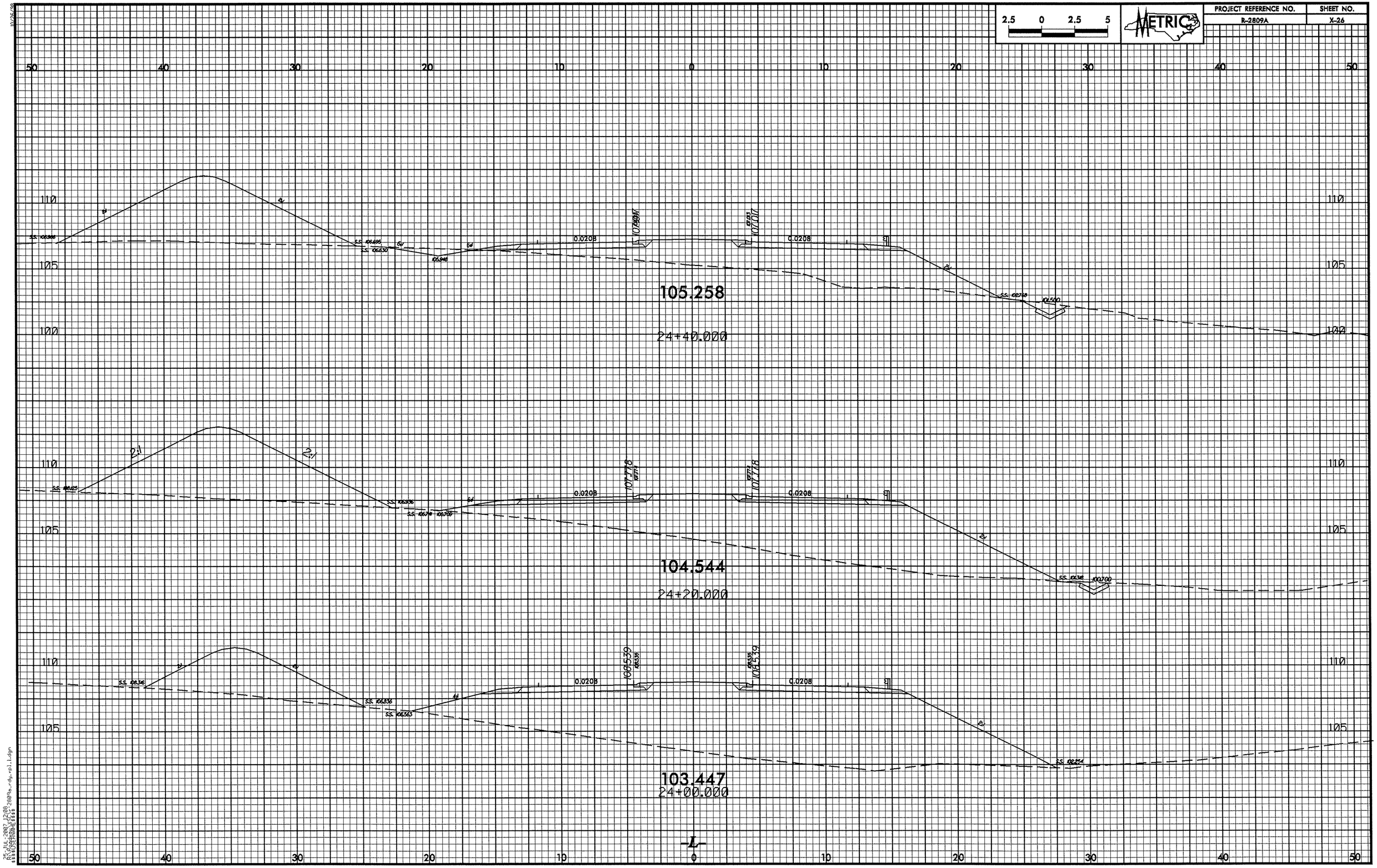
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-23
50 40 30 20 10 0 10 20 30 40 50
115
0.0468
0.0300
0.0460
117.238
22+00.000
0.0632
0.0300
0.0628
117.649
21+80.000
0.0795
0.0300
0.0796
117.110
21+60.000
0.0800
0.0300
0.0800
117.263
21+40.000
0.0800
0.0300
0.0800
118.037
21+20.000
0.0800
0.0800
0.0300
0.0800
118.965
21+00.000
-L-



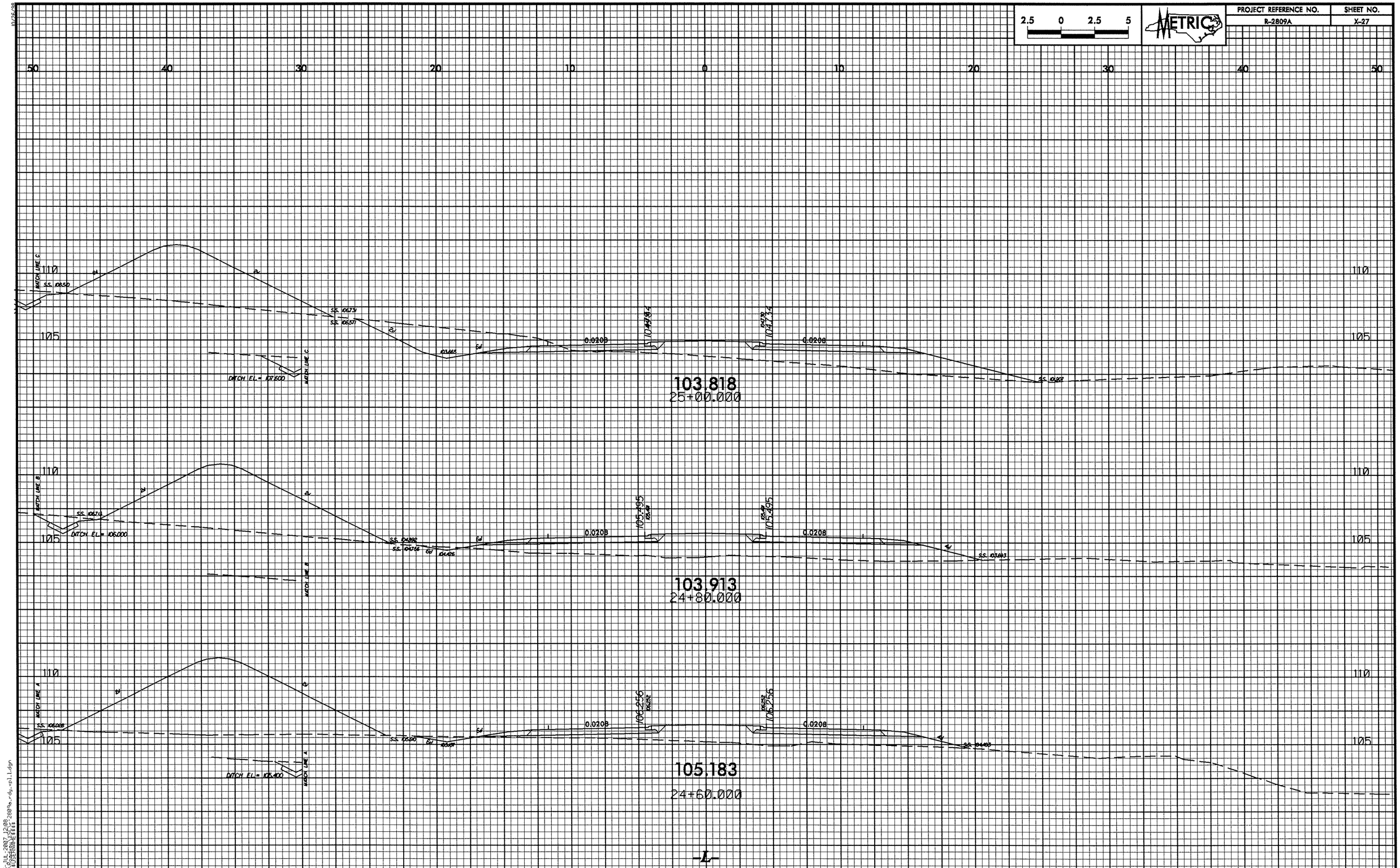
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-24
50 40 30 20 10 0 10 20 30 40 50
110
111.147
23+00.000
DITCH EL= 106.800
0.0208
0.0200
112.328
112.340
112.286
22+80.000
113.032
113.084
113.480
22+60.000
113.694
113.780
0.0044
115
114.751
22+40.000
114.316
114.432
0.0124
116.307
22+20.000
114.896
115.041
0.0303
0.0292
-L-



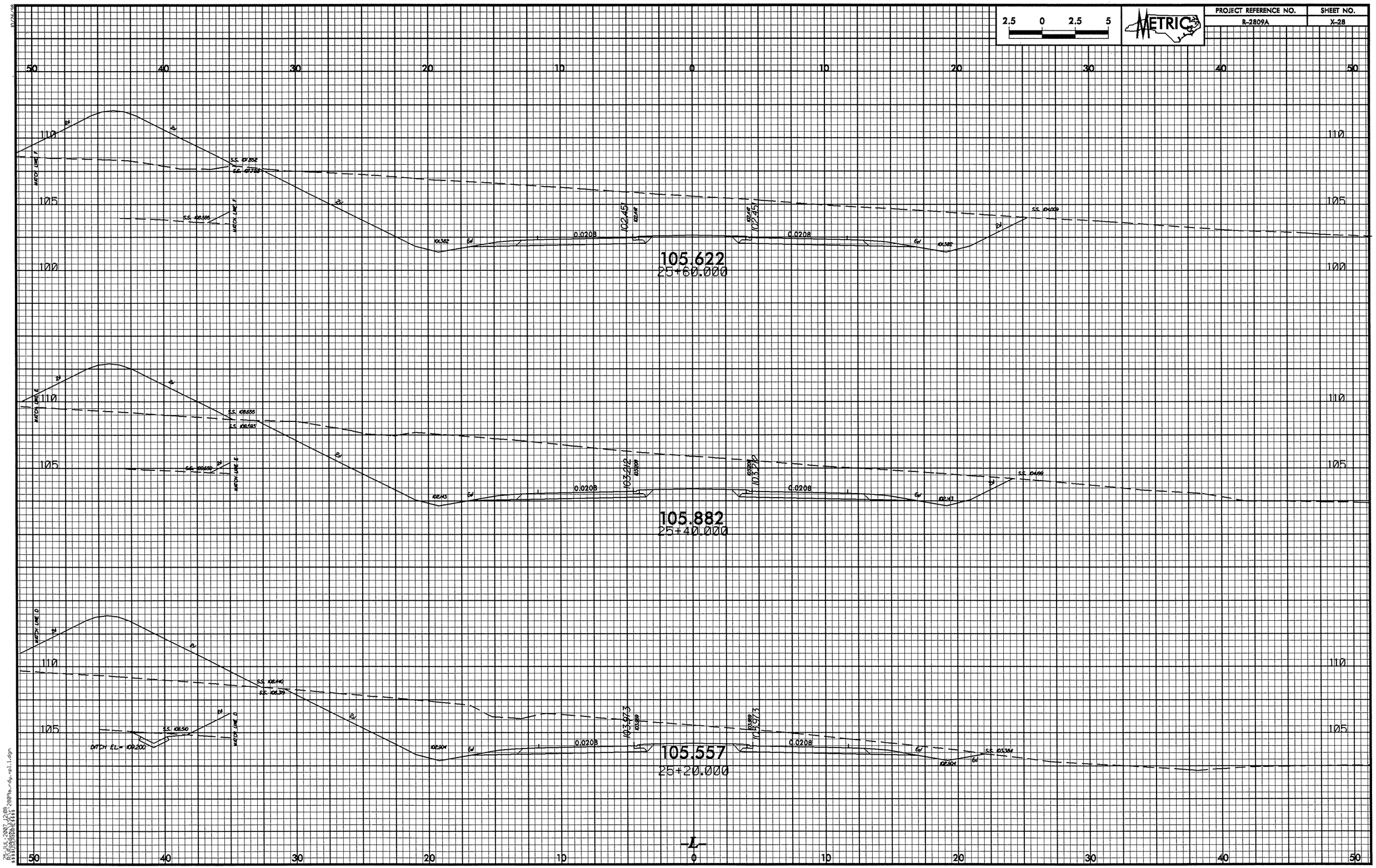
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-25
50 40 30 20 10 0 10 20 30 40 50
105
110
0.0208
109.300
S.S. 106.757
DITCH EL= 106.500
S.S. 104.815
103.218
23+80.000
110.061
S.S. 105.813
DITCH EL= 104.500
S.S. 106.974
106.000
23+60.000
110.823
S.S. 106.143
DITCH EL= 104.900
S.S. 106.739
108.799
23+40.000
0.0200
111.584
S.S. 106.262
DITCH EL= 105.500
S.S. 110.098
110.061
23+20.000
-L-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-26
50 40 30 20 10 0 10 20 30 40 50
110
105
100
0.0208
105.258
24+40.000
2:1
104.544
24+20.000
103.447
24+00.000
-L-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-27
50 40 30 20 10 0 10 20 30 40 50
110
105
MATCH LINE C
S.S. 106.510
S.S. 106.731
S.S. 106.571
103.665
0.0208
104.734
DITCH EL.= 107.600
103.818
25+00.000
MATCH LINE B
S.S. 106.713
DITCH EL.= 106.000
S.S. 104.892
S.S. 104.756
104.426
105.495
S.S. 103.693
103.913
24+80.000
MATCH LINE A
S.S. 106.028
S.S. 105.610
106.256
DITCH EL.= 105.400
105.183
24+60.000
-L-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-28
50 40 30 20 10 0 10 20 30 40 50
110
105
100
MATCH LINE F
MATCH LINE E
MATCH LINE D
S.S. 107.852
S.S. 107.788
S.S. 108.595
S.S. 104.009
101.382
0.0208
102.451
102.141
105.622
25+60.000
S.S. 108.655
S.S. 108.593
S.S. 104.199
102.143
103.212
103.208
105.882
25+40.000
S.S. 108.440
S.S. 108.319
S.S. 108.510
DITCH EL= 109.200
102.904
103.973
103.969
105.557
25+20.000
S.S. 103.384
-L-

PROJECT REFERENCE NO.	SHEET NO.
R-2809A	X-29

2.5 0 2.5 5

METRIC

50 40 30 20 10 0 10 20 30 40 50

110 105 100

MATCH LINE I

SS. 101.359

SS. 101.283

2%

SS. 101.649

DITCH EL.= 101.000

MATCH LINE K

2%

99.230

6%

0.0208

100.299

100.254

100.299

0.0208

6%

99.230

2%

SS. 104.359

106.006

26+20.000

MATCH LINE J

SS. 101.568

SS. 101.535

2%

SS. 101.782

DITCH EL.= 101.141

MATCH LINE K

2%

99.857

6%

0.0208

100.966

100.921

100.966

0.0208

6%

99.857

2%

SS. 104.322

106.099

26+00.000

MATCH LINE G

SS. 101.264

SS. 101.196

2%

SS. 101.902

DITCH EL.= 101.282

MATCH LINE G

2%

100.622

6%

0.0208

100.691

100.686

100.691

0.0208

6%

100.622

2%

SS. 103.759

105.505

25+80.000

-L-

25-JUL-2007 12:08
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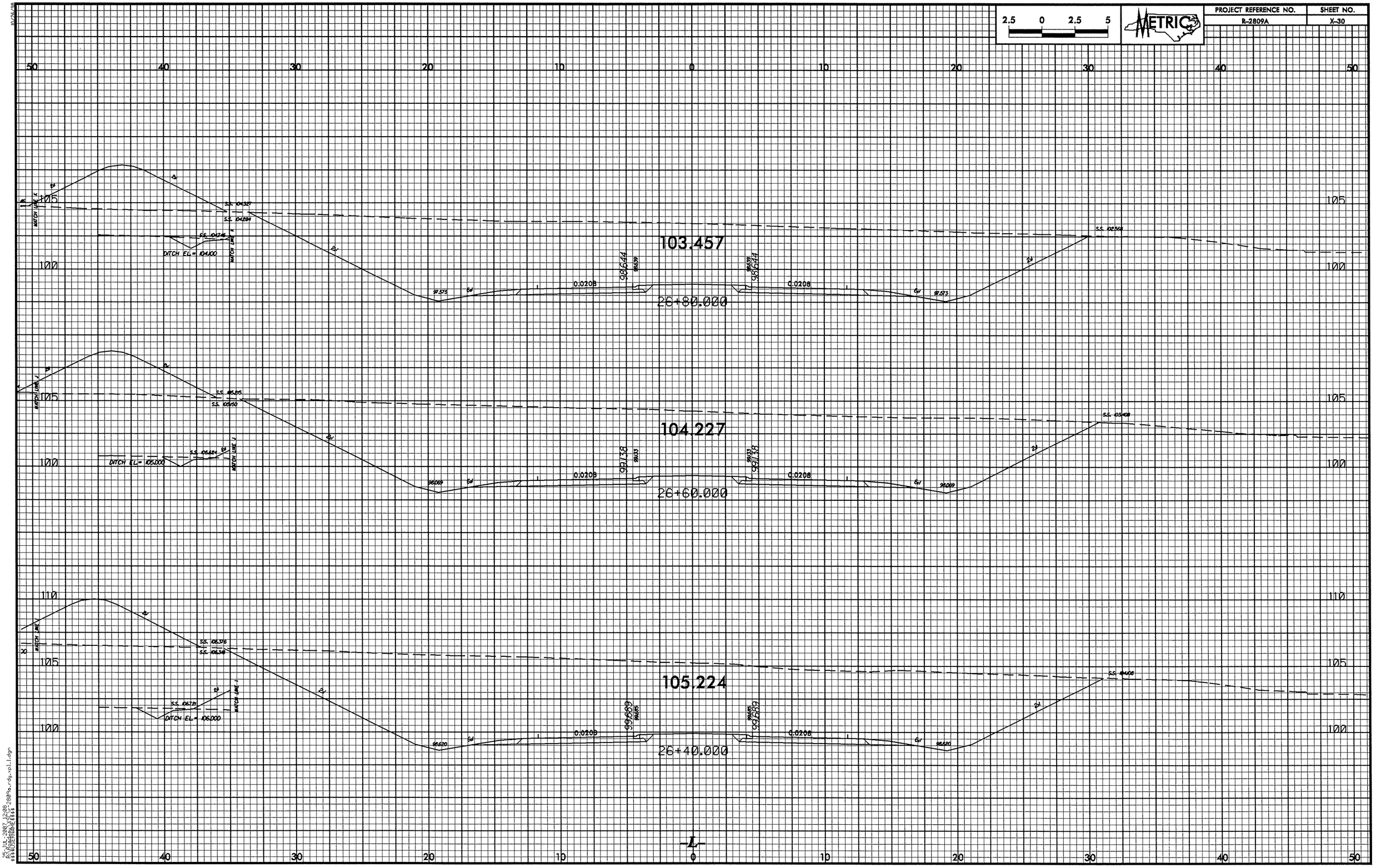
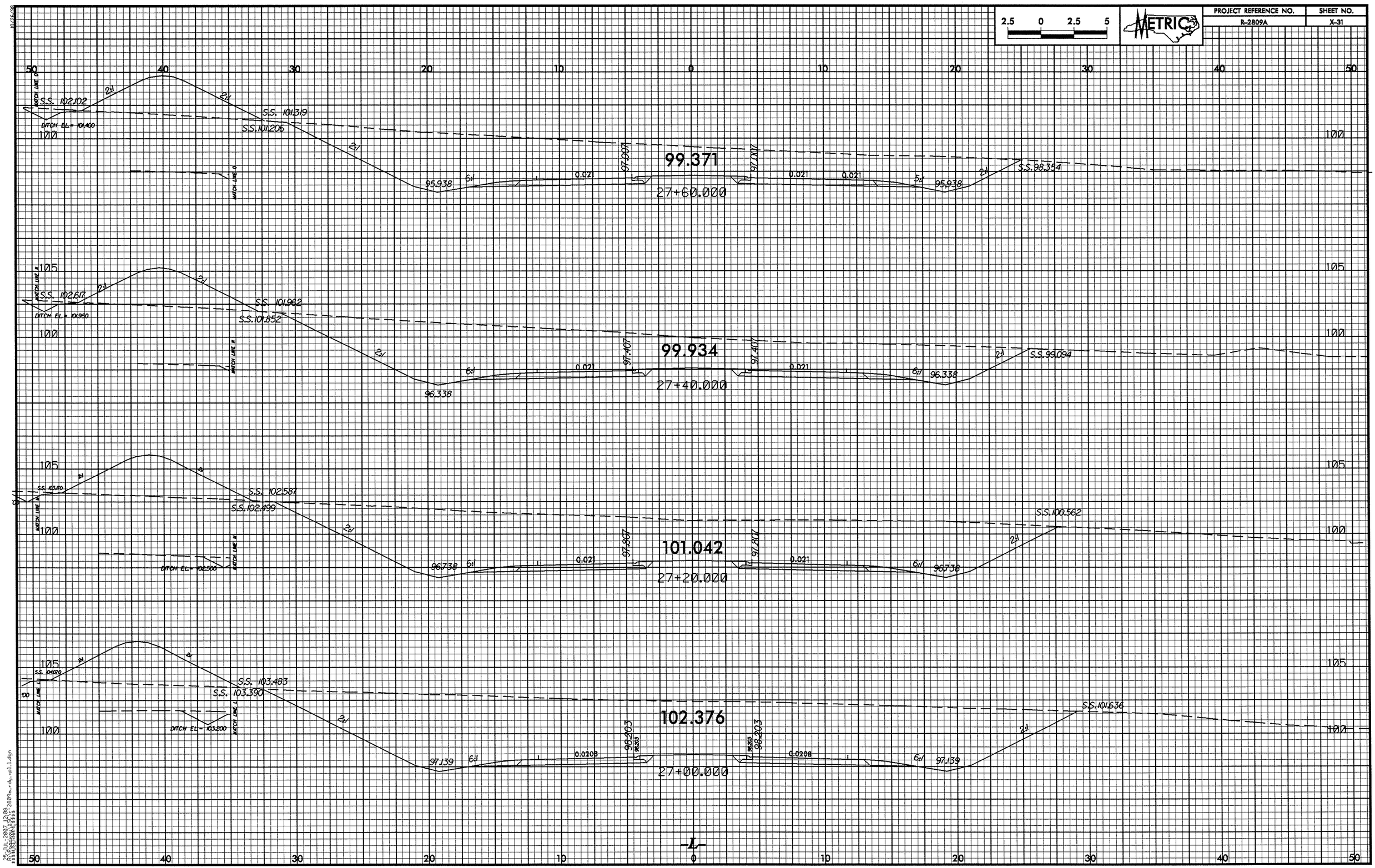
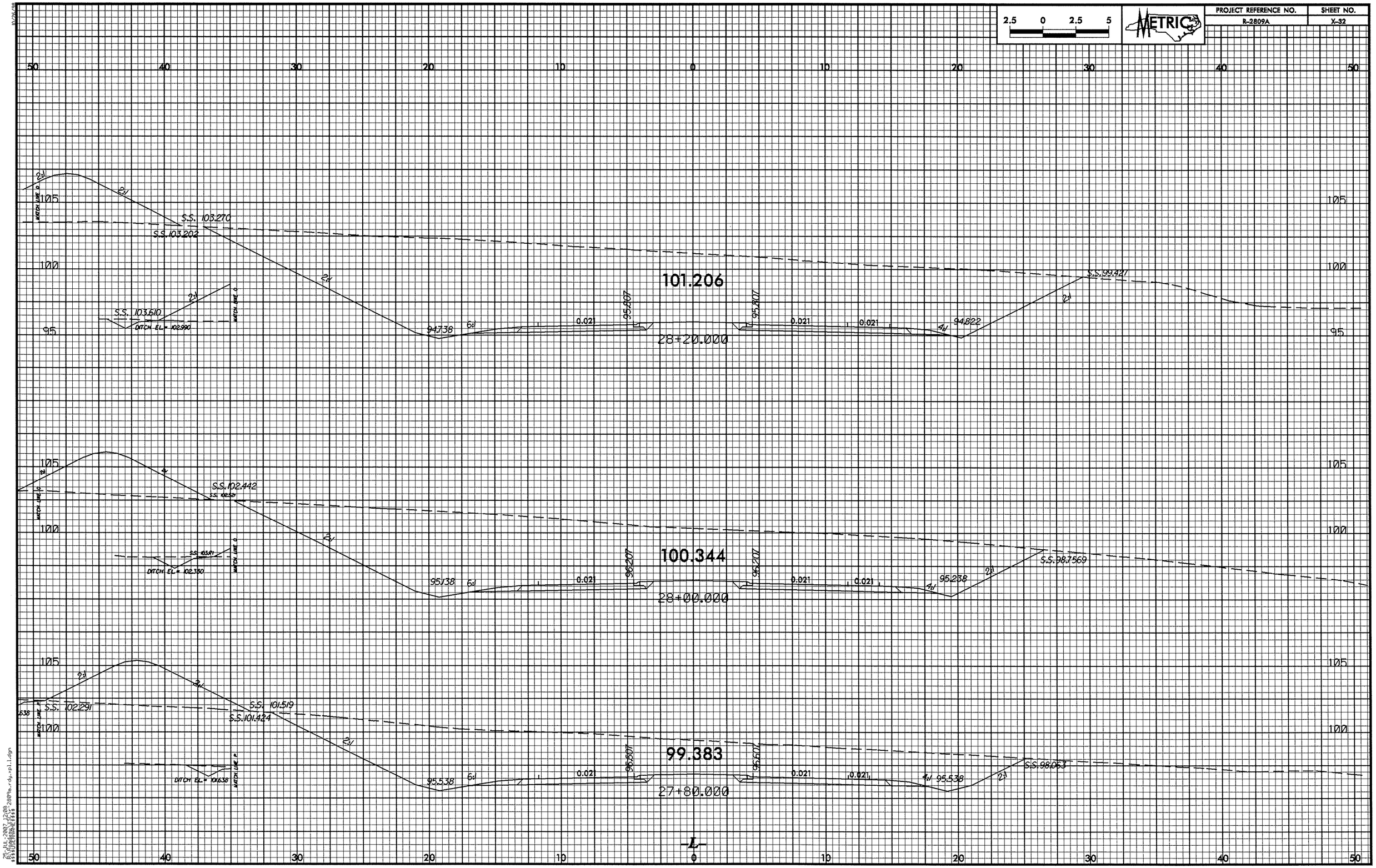


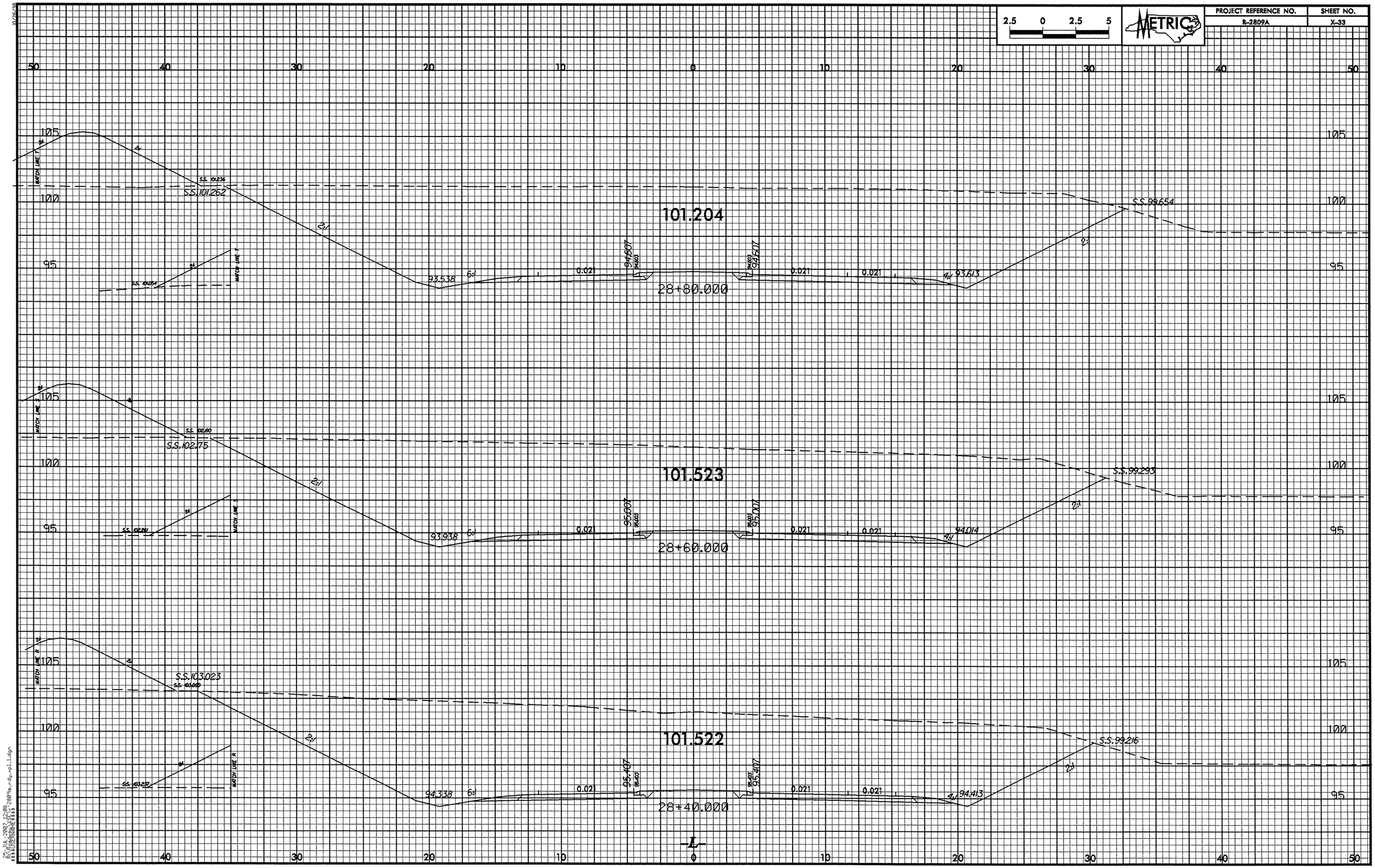
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-30
103.457
26+80.000
104.227
26+60.000
105.224
26+40.000
0.0208
DITCH EL= 104.100
DITCH EL= 105.000
DITCH EL= 106.000
MATCH LINE K
MATCH LINE J
MATCH LINE I
-L-



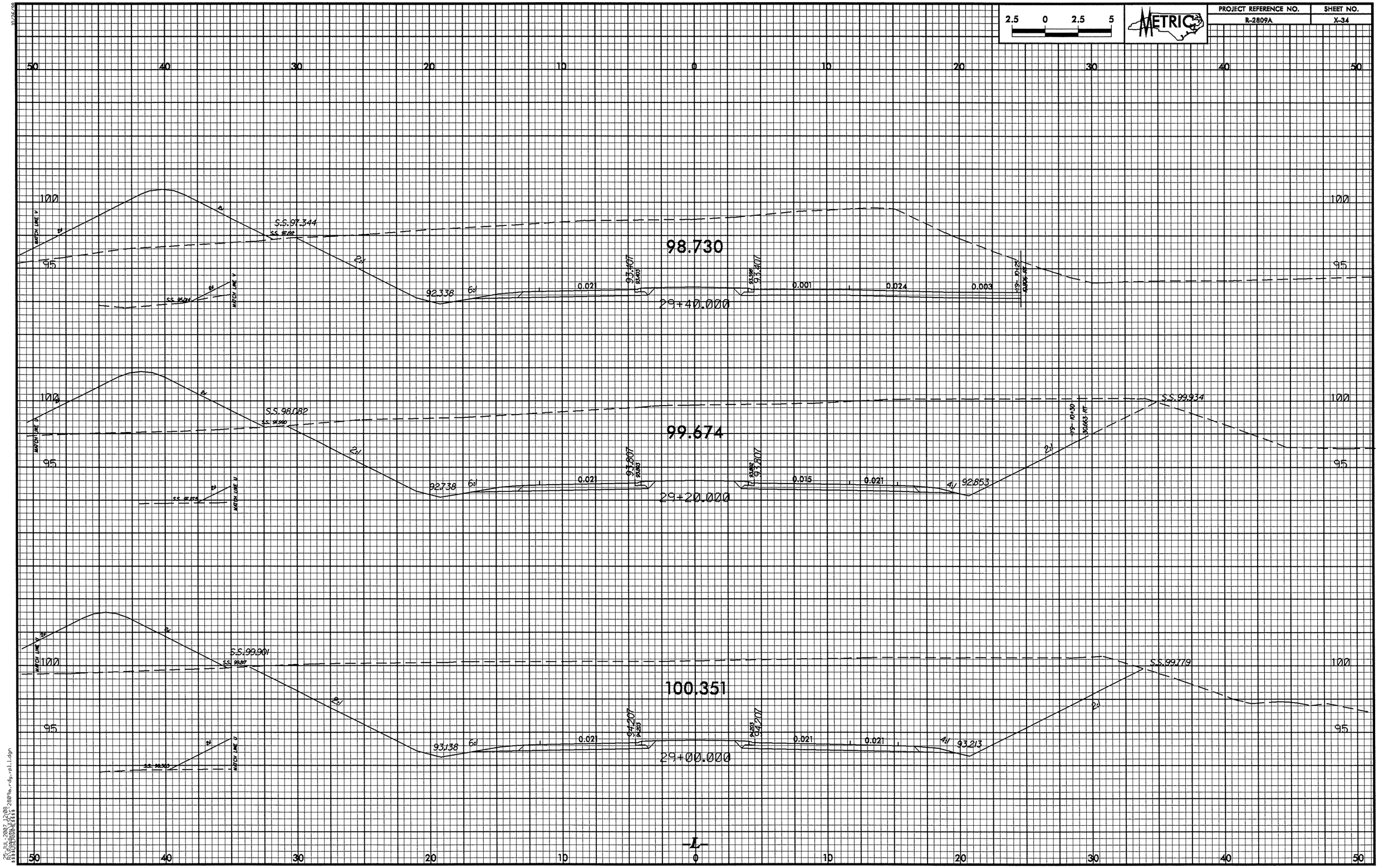
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-31
99.371
27+60.000
S.S. 102.102
S.S. 101.319
S.S. 101.206
DITCH EL.= 101.400
95.938
97.007
0.021
S.S. 98.354
99.934
27+40.000
S.S. 102.617
S.S. 101.962
S.S. 101.852
DITCH EL.= 101.950
96.338
97.407
S.S. 99.094
101.042
27+20.000
S.S. 102.587
S.S. 102.499
DITCH EL.= 102.500
96.738
97.807
S.S. 100.562
102.376
27+00.000
S.S. 103.483
S.S. 103.390
DITCH EL.= 103.200
97.139
98.203
0.0208
S.S. 101.636
-L-



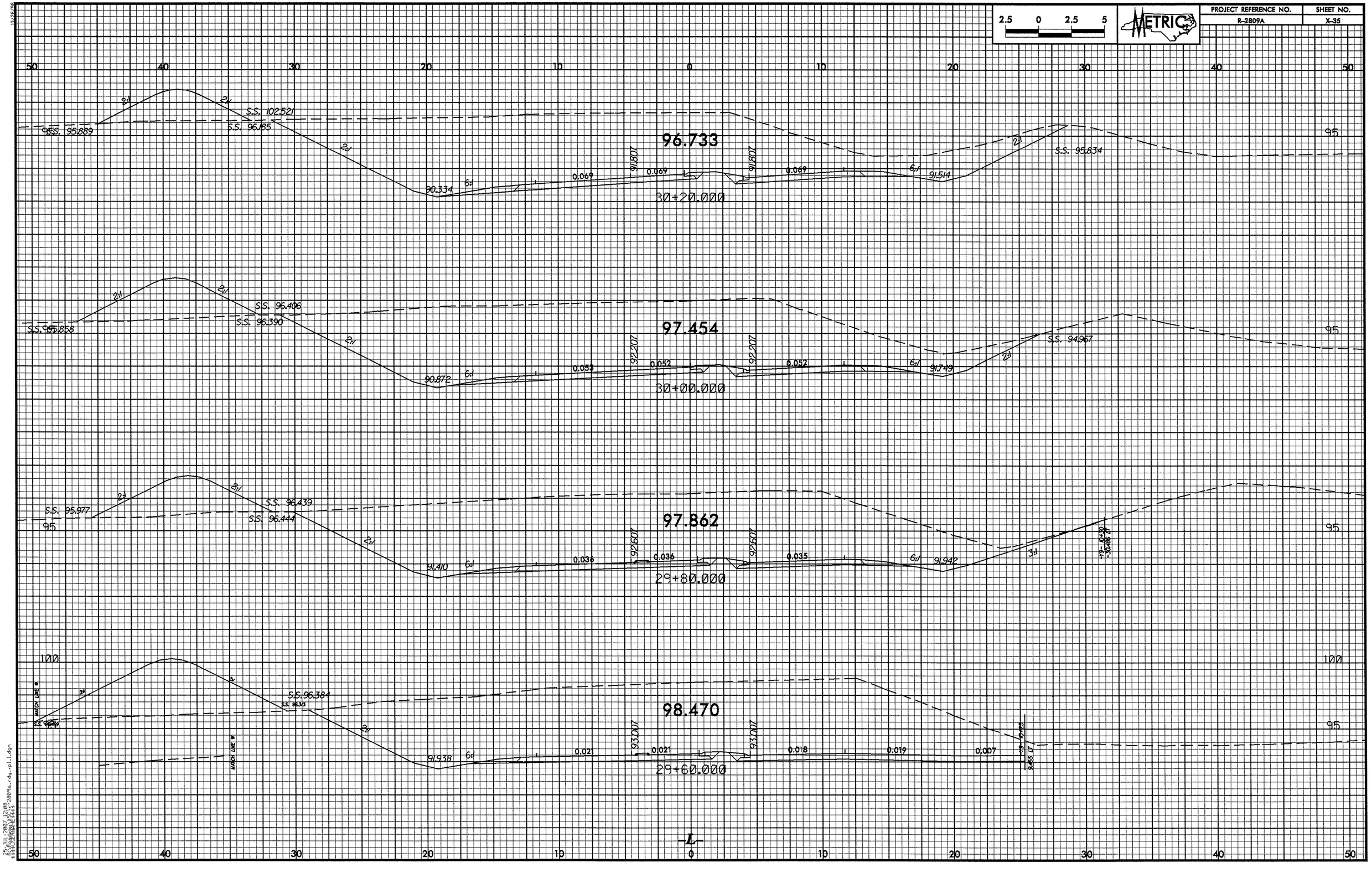
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-32
50 40 30 20 10 0 10 20 30 40 50
105
100
95
MATCH LINE O
2:1
S.S. 103.270
S.S. 103.202
S.S. 103.610
DITCH EL= 102.990
MATCH LINE O
94.738
6:1
0.021
95.807
101.206
28+20.000
95.807
0.021
0.021
4:1
94.822
2:1
S.S. 99.427
MATCH LINE O
S.S. 102.442
S.S. 102.521
S.S. 103.81
DITCH EL= 102.350
MATCH LINE O
95.138
96.207
100.344
28+00.000
96.207
95.238
S.S. 98.7569
MATCH LINE P
S.S. 102.291
S.S. 101.519
S.S. 101.424
DITCH EL= 101.638
MATCH LINE P
95.538
96.507
99.383
27+80.000
96.507
95.538
S.S. 98.063
-L-



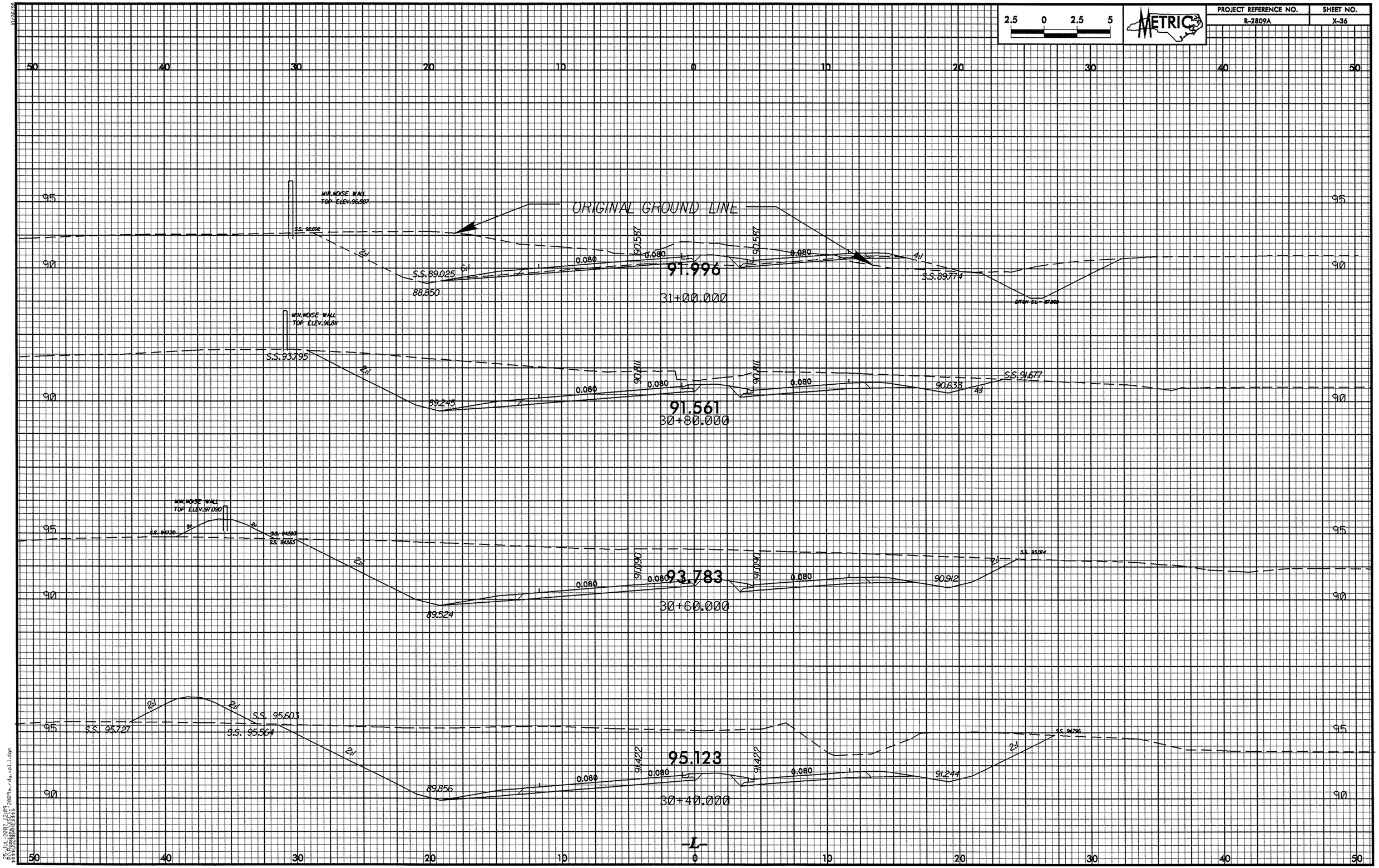
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-33
101.204
28+80.000
S.S.101.262
S.S.99.654
93.538
93.613
94.607
0.021
101.523
28+60.000
S.S.102.75
S.S.99.293
93.938
94.014
95.007
101.522
28+40.000
S.S.103.023
S.S.99.216
94.338
94.413
95.407
MATCH LINE T
MATCH LINE S
MATCH LINE R
-L-



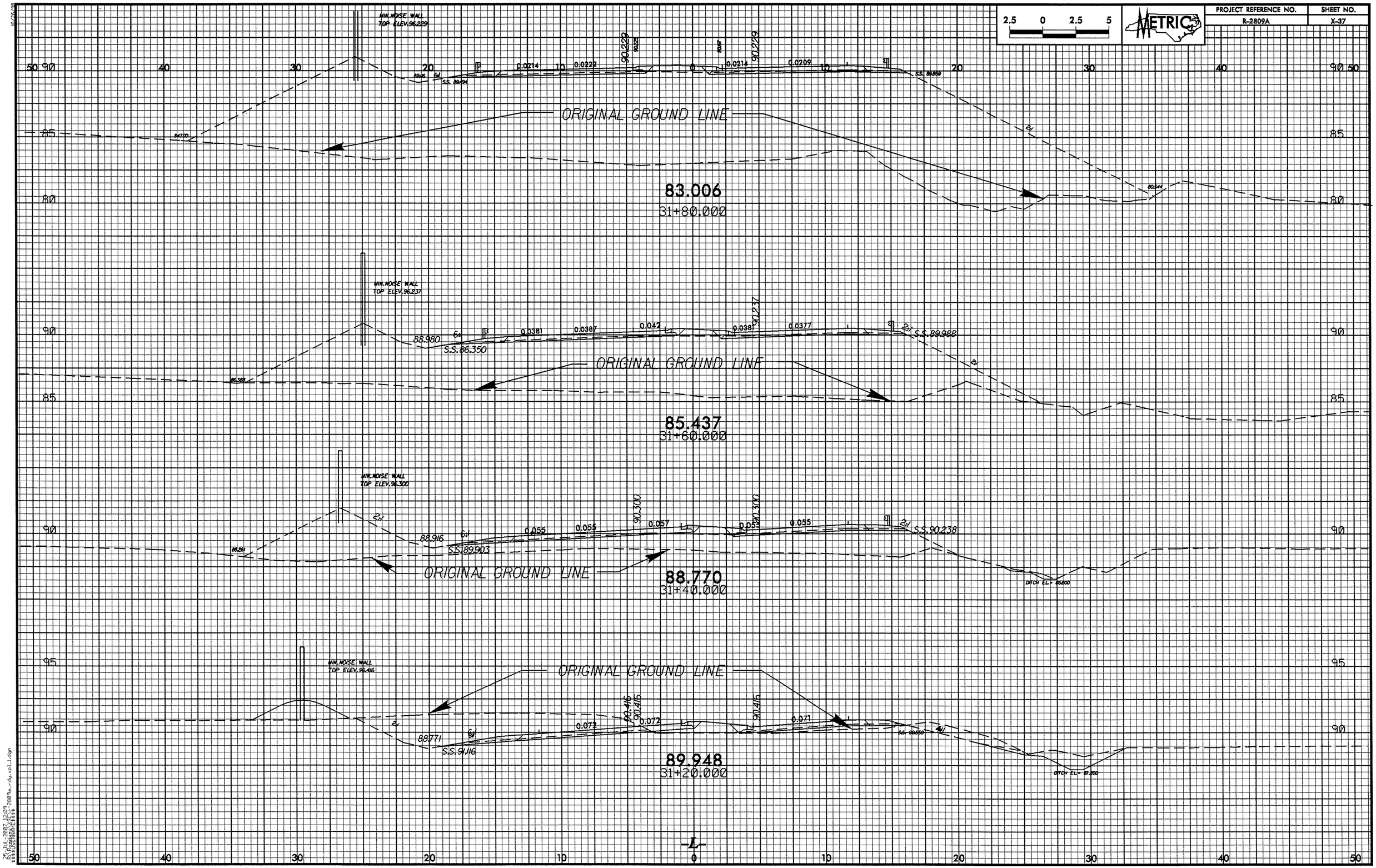
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-34
50 40 30 20 10 0 10 20 30 40 50
100
95
S.S. 97.344
98.730
92.338
6:1
2:1
0.021
93.407
0.001
0.024
0.003
29+40.000
S.S. 98.082
99.674
92.738
0.015
92.853
4:1
S.S. 99.934
29+20.000
S.S. 99.901
100.351
93.138
94.207
93.213
S.S. 99.779
29+00.000
MATCH LINE V
MATCH LINE U
-L-



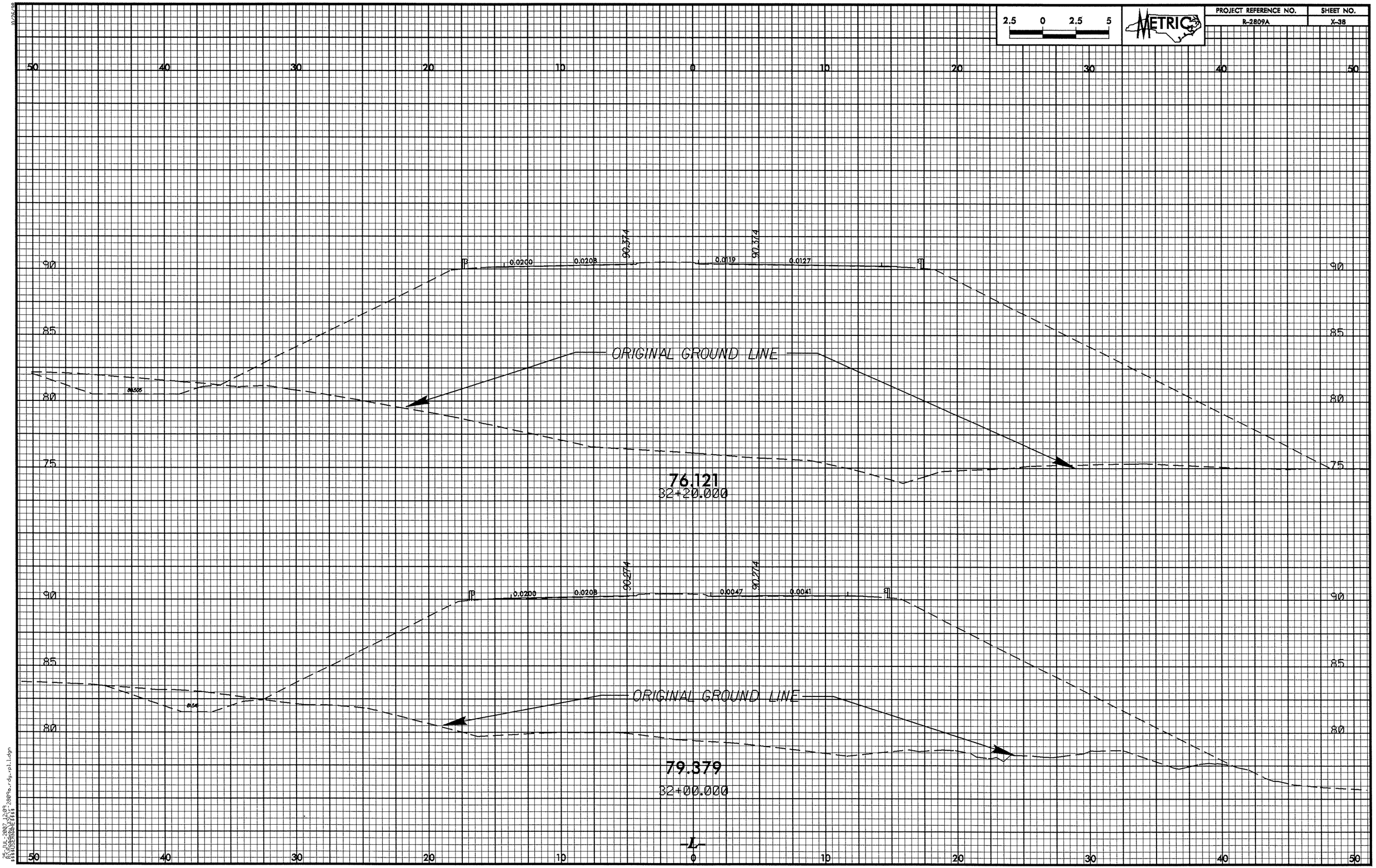
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-35
96.733
30+20.000
S.S. 95.889
S.S. 102.521
S.S. 96.185
S.S. 95.834
90.334
91.807
91.514
0.069
97.454
30+00.000
S.S. 95.858
S.S. 96.406
S.S. 96.390
S.S. 94.967
90.872
92.207
91.749
0.053
0.052
97.862
29+80.000
S.S. 95.977
S.S. 96.439
S.S. 96.444
91.410
92.607
91.942
0.036
0.035
98.470
29+60.000
S.S. 96.384
91.938
93.007
0.021
0.018
0.019
0.007
MATCH LINE W
-L-



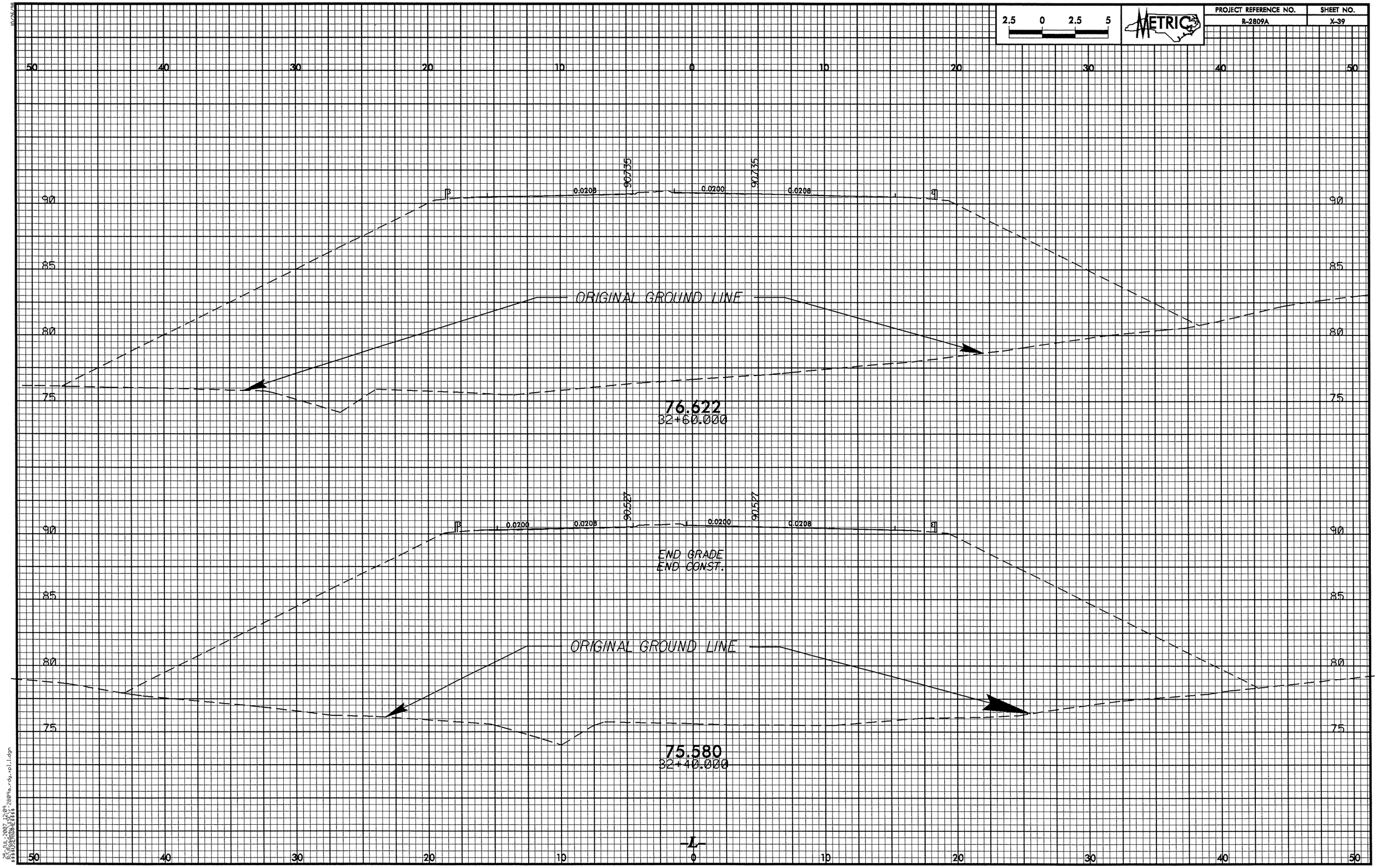
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-36
ORIGINAL GROUND LINE
MIN. NOISE WALL TOP ELEV. 96.587
S.S. 89.025
88.850
0.080
90.587
91.996
31+00.000
S.S. 89.774
MIN. NOISE WALL TOP ELEV. 96.811
S.S. 93.795
89.245
90.811
91.561
30+80.000
90.633
S.S. 91.677
MIN. NOISE WALL TOP ELEV. 97.090
89.524
91.090
93.783
30+60.000
90.912
S.S. 95.727
S.S. 95.603
S.S. 95.564
89.856
91.422
95.123
30+40.000
91.244
-L-



PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-37
METRIC
2.5 0 2.5 5
MIN. NOISE WALL TOP ELEV. 96.229
ORIGINAL GROUND LINE
83.006
31+80.000
MIN. NOISE WALL TOP ELEV. 96.237
ORIGINAL GROUND LINE
85.437
31+60.000
MIN. NOISE WALL TOP ELEV. 96.300
ORIGINAL GROUND LINE
88.770
31+40.000
MIN. NOISE WALL TOP ELEV. 96.416
ORIGINAL GROUND LINE
89.948
31+20.000
-L-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-38
50 40 30 20 10 0 10 20 30 40 50
90
85
80
75
0.0200
0.0208
90.374
0.0119
90.374
0.0127
ORIGINAL GROUND LINE
76.121
32+20.000
0.0200
0.0208
90.274
0.0047
90.274
0.0041
ORIGINAL GROUND LINE
79.379
32+00.000
-L-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-39
50 40 30 20 10 0 10 20 30 40 50
90 85 80 75
90.735
0.0208
0.0200
0.0208
ORIGINAL GROUND LINE
76.622
32+60.000
90.527
0.0200
0.0208
0.0200
0.0208
END GRADE
END CONST.
ORIGINAL GROUND LINE
75.580
32+40.000
-L-

10/25/95

PROJECT REFERENCE NO.	SHEET NO.
R-2809A	X-40

2.5 0 2.5 5

METRIC

50 40 30 20 10 0 10 20 30 40 50

90 85 80 75

0.020 0.021 90.994 0.020 90.994 0.021 0.020

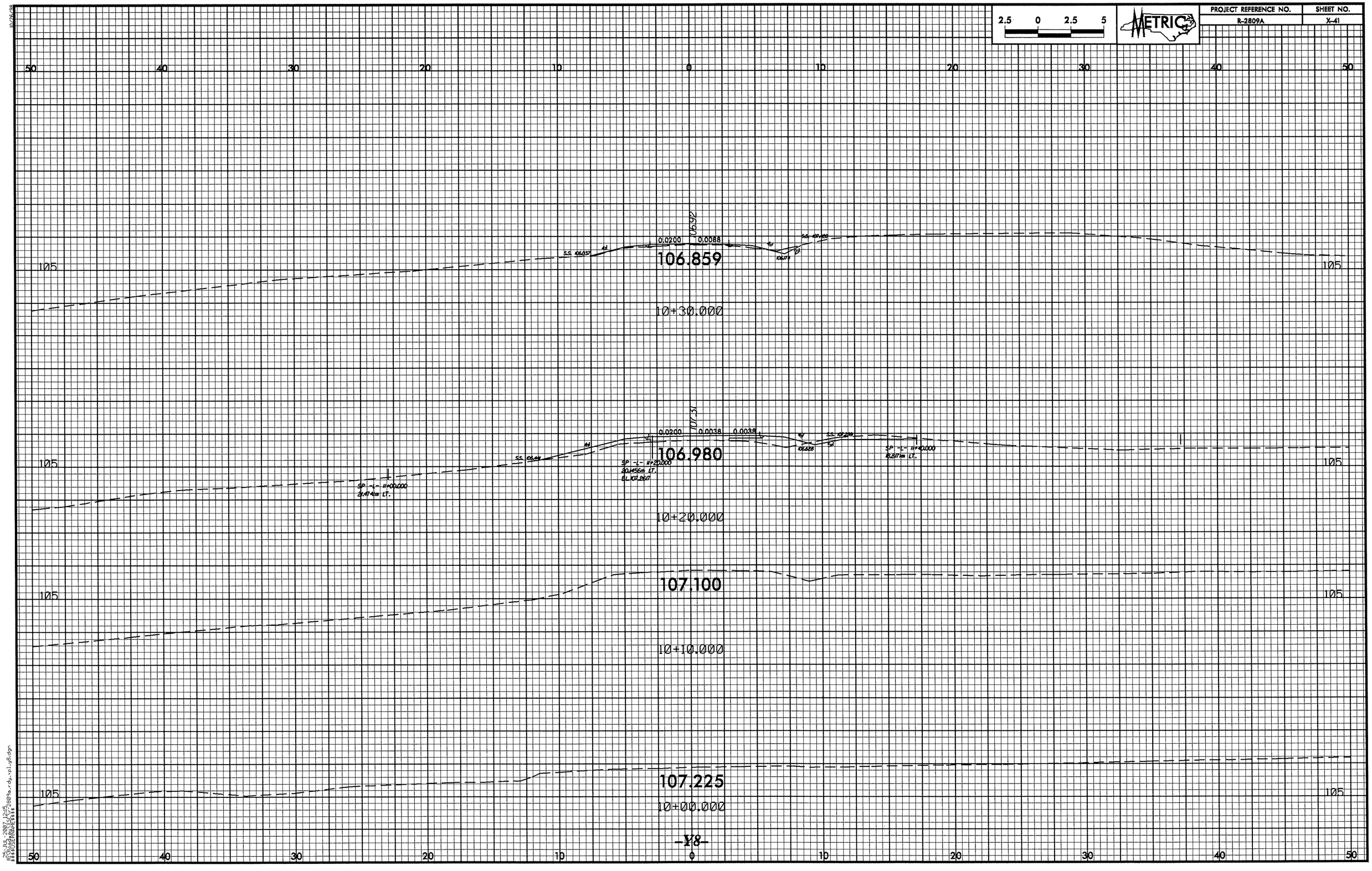
ORIGINAL GROUND LINE

80.832

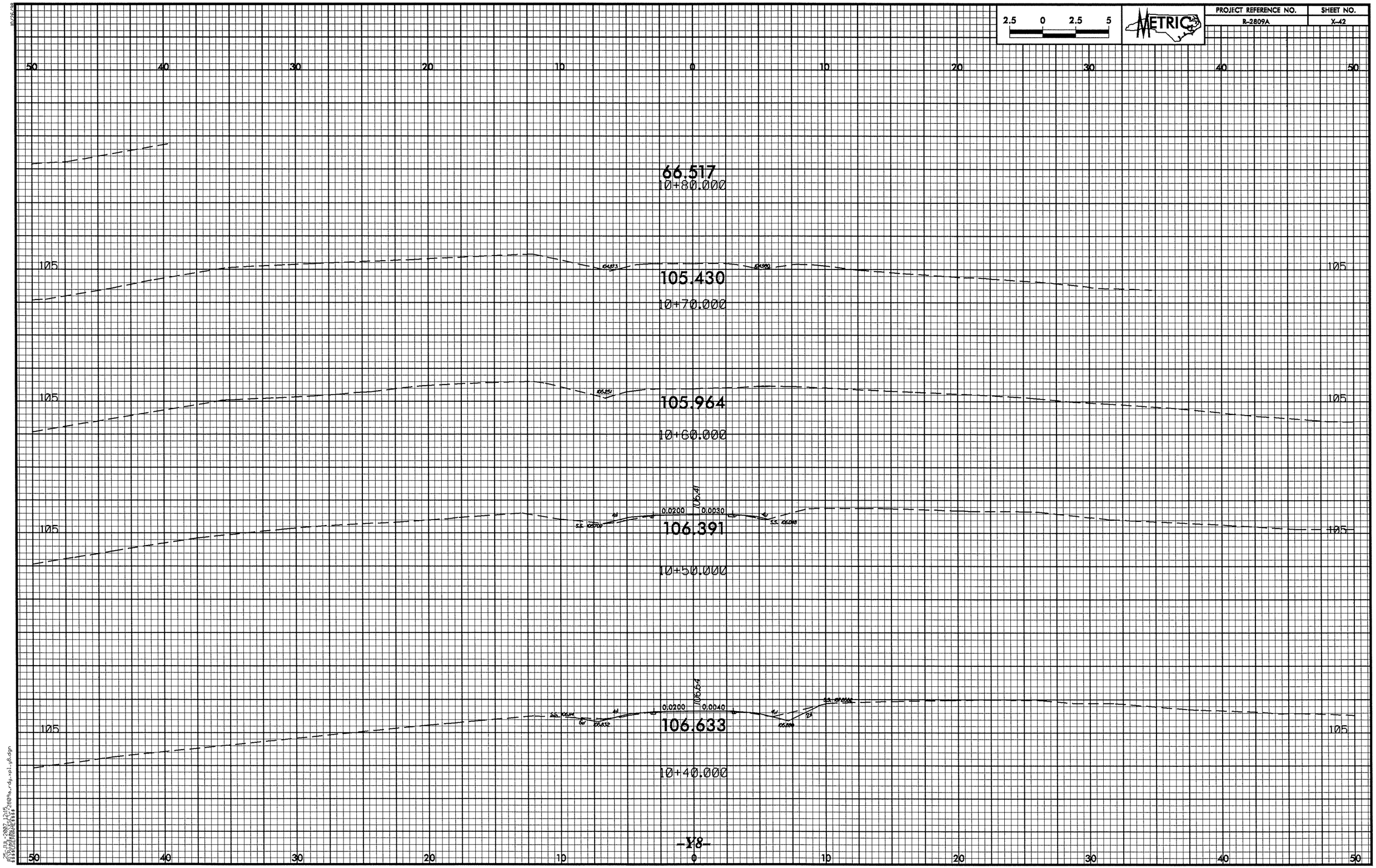
32+80.000

-L-

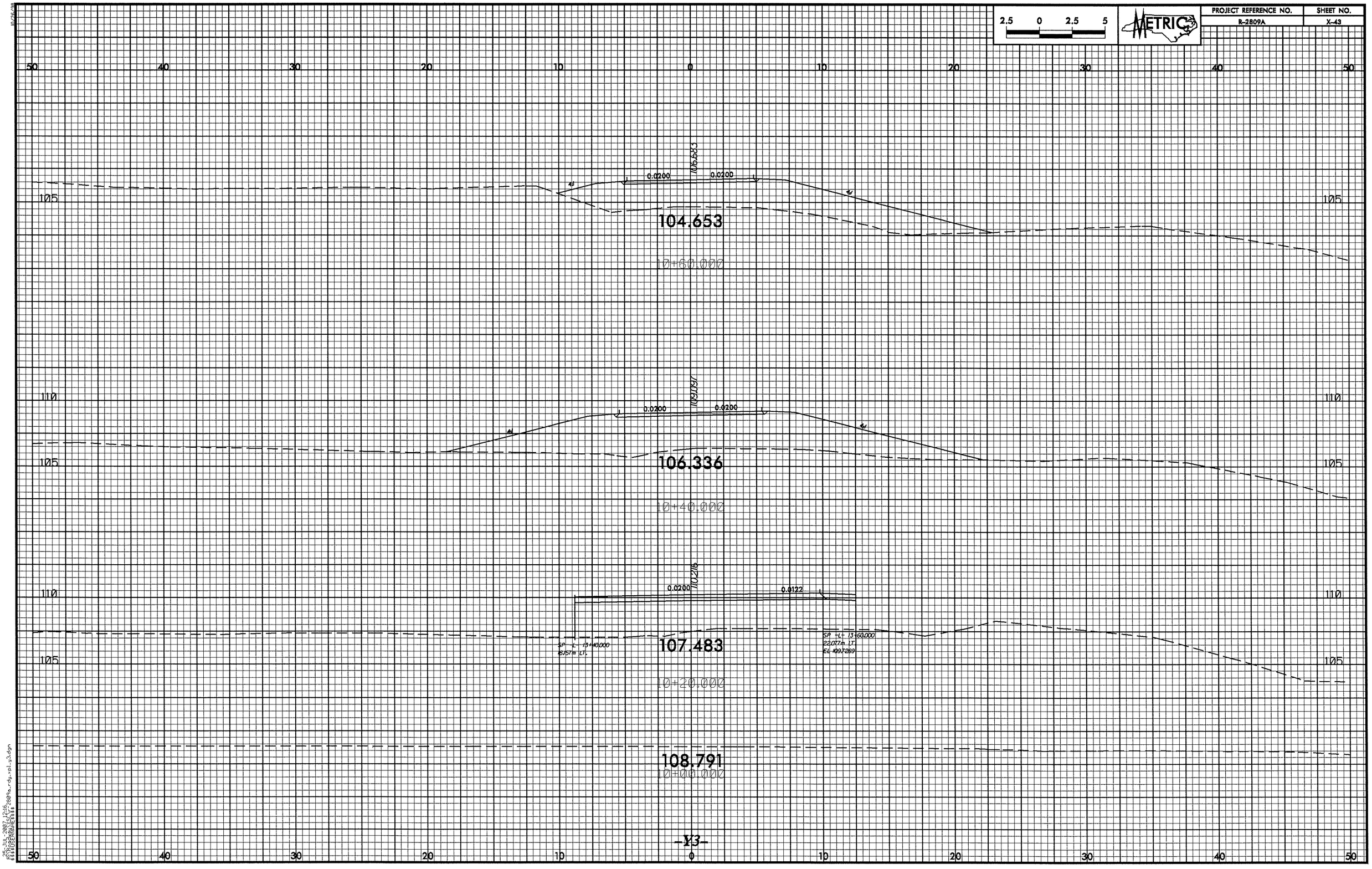
25-JUL-2007 12:03
$$$$USERNAME$$$$ c:\2809a_rdy_sp1.dgn



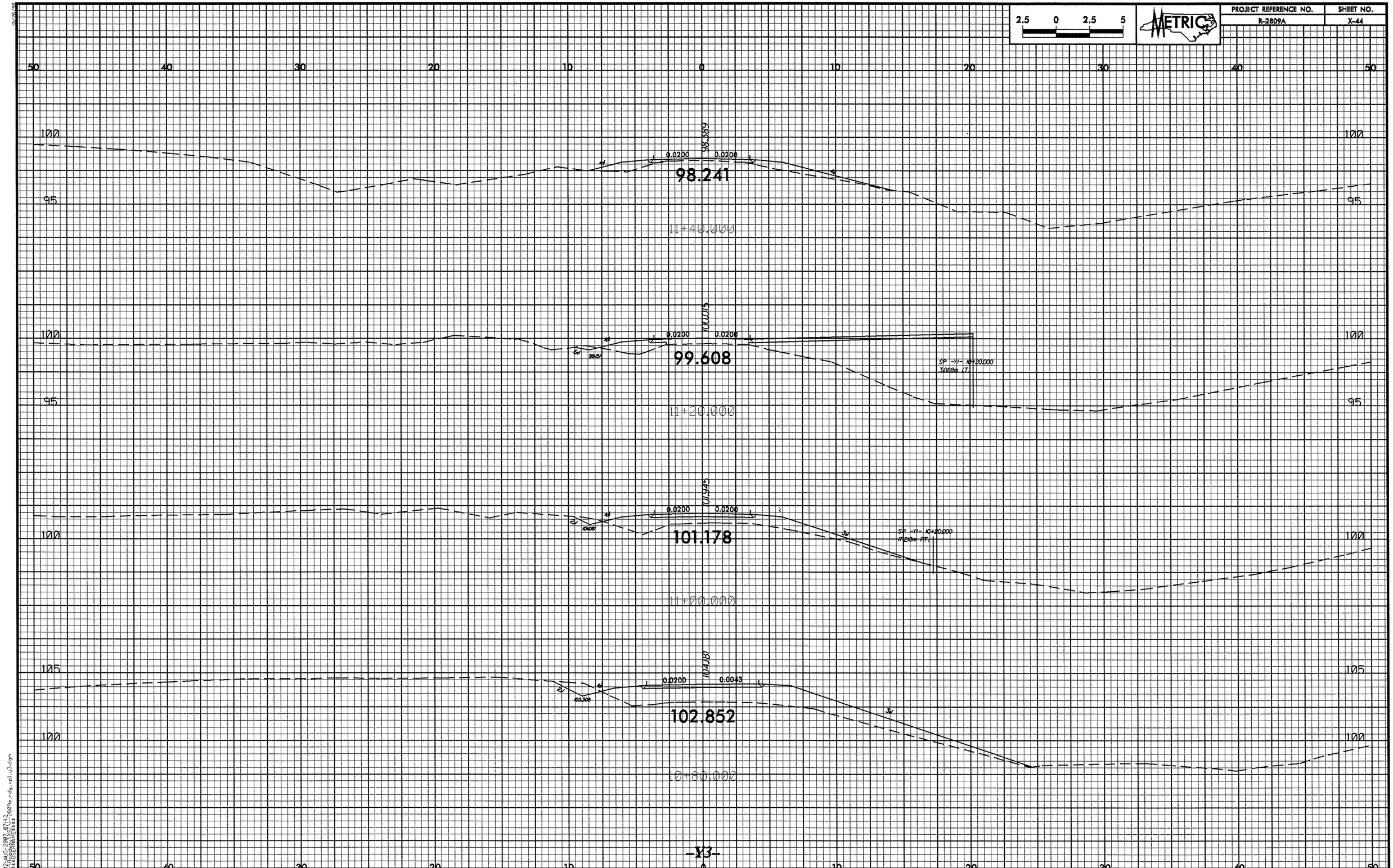
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-41
50 40 30 20 10 0 10 20 30 40 50
106.92
0.0200
0.0088
106.859
10+30.000
107.31
0.0200
0.0038
0.0038
106.980
10+20.000
107.100
10+10.000
107.225
10+00.000
105
-Y8-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-42
50 40 30 20 10 0 10 20 30 40 50
66.517
10+80.000
105
105.430
10+70.000
105
105.964
10+60.000
106.41
0.0200
0.0030
106.391
10+50.000
106.64
0.0200
0.0040
106.633
10+40.000
-Y8-

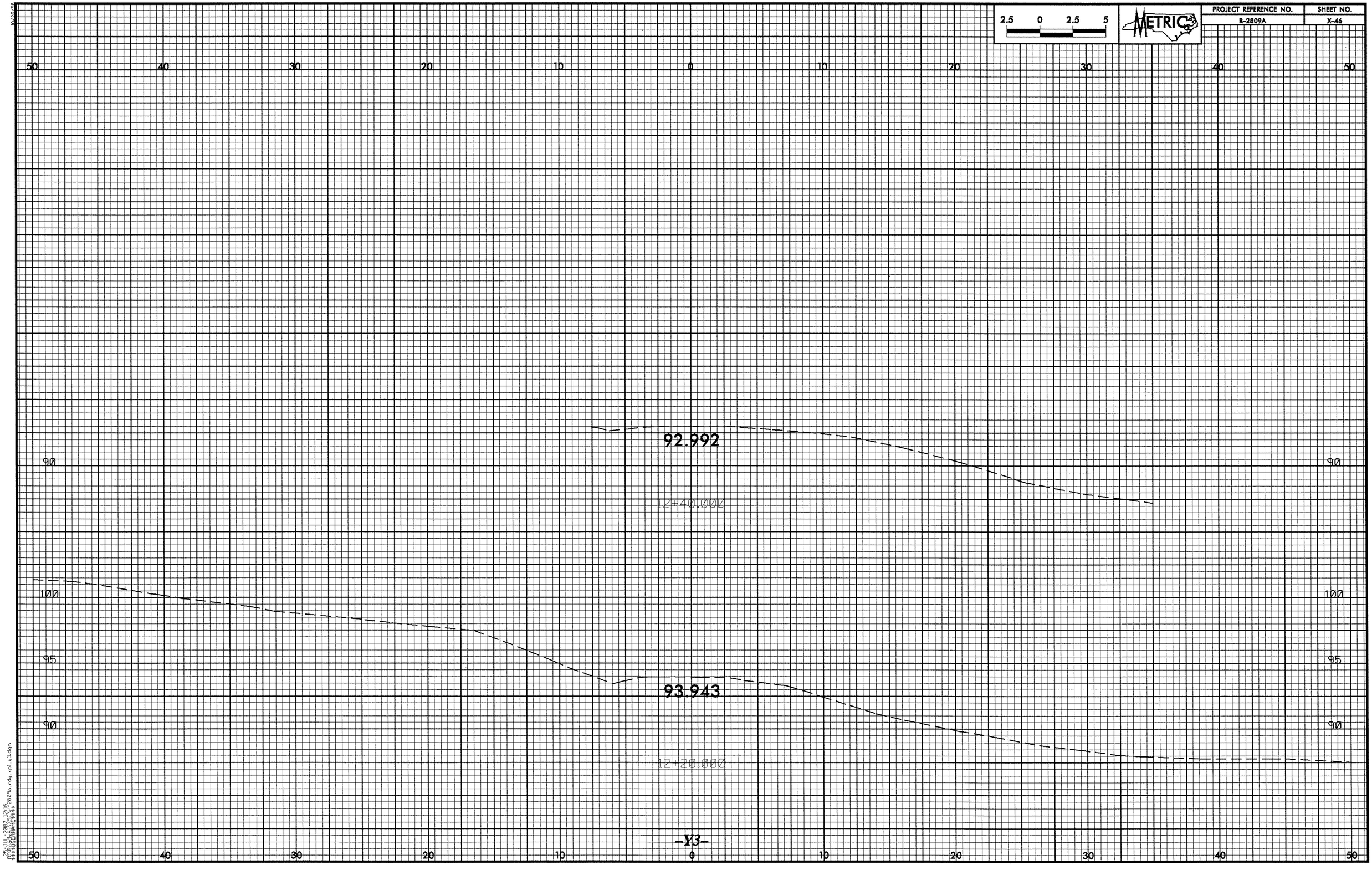


2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-43
50 40 30 20 10 0 10 20 30 40 50
105
110
106.683
0.0200
0.0200
104.653
10+60.000
109.097
0.0200
0.0200
106.336
10+40.000
110.216
0.0200
0.0122
107.483
10+20.000
108.791
10+00.000
-Y3-

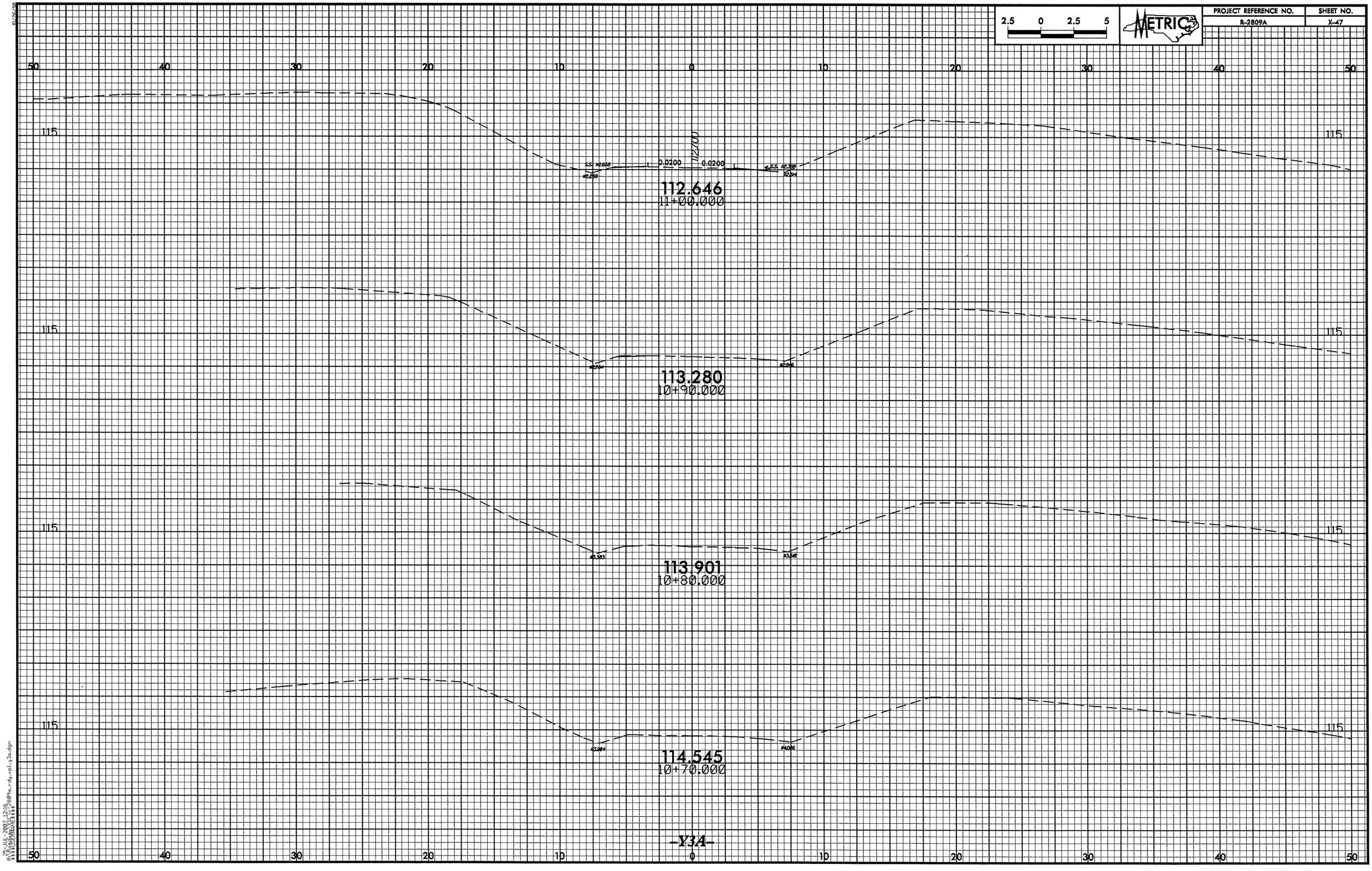


2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-44
50 40 30 20 10 0 10 20 30 40 50
100
95
98.389
0.0200
0.0200
98.241
11+40.000
100.015
99.608
SP -Y1- 10+20.000
3.088m LT.
11+20.000
101.945
101.178
SP -Y1- 10+20.000
11+00.000
105
104.181
0.0200
0.0043
102.852
10+80.000
-Y3-

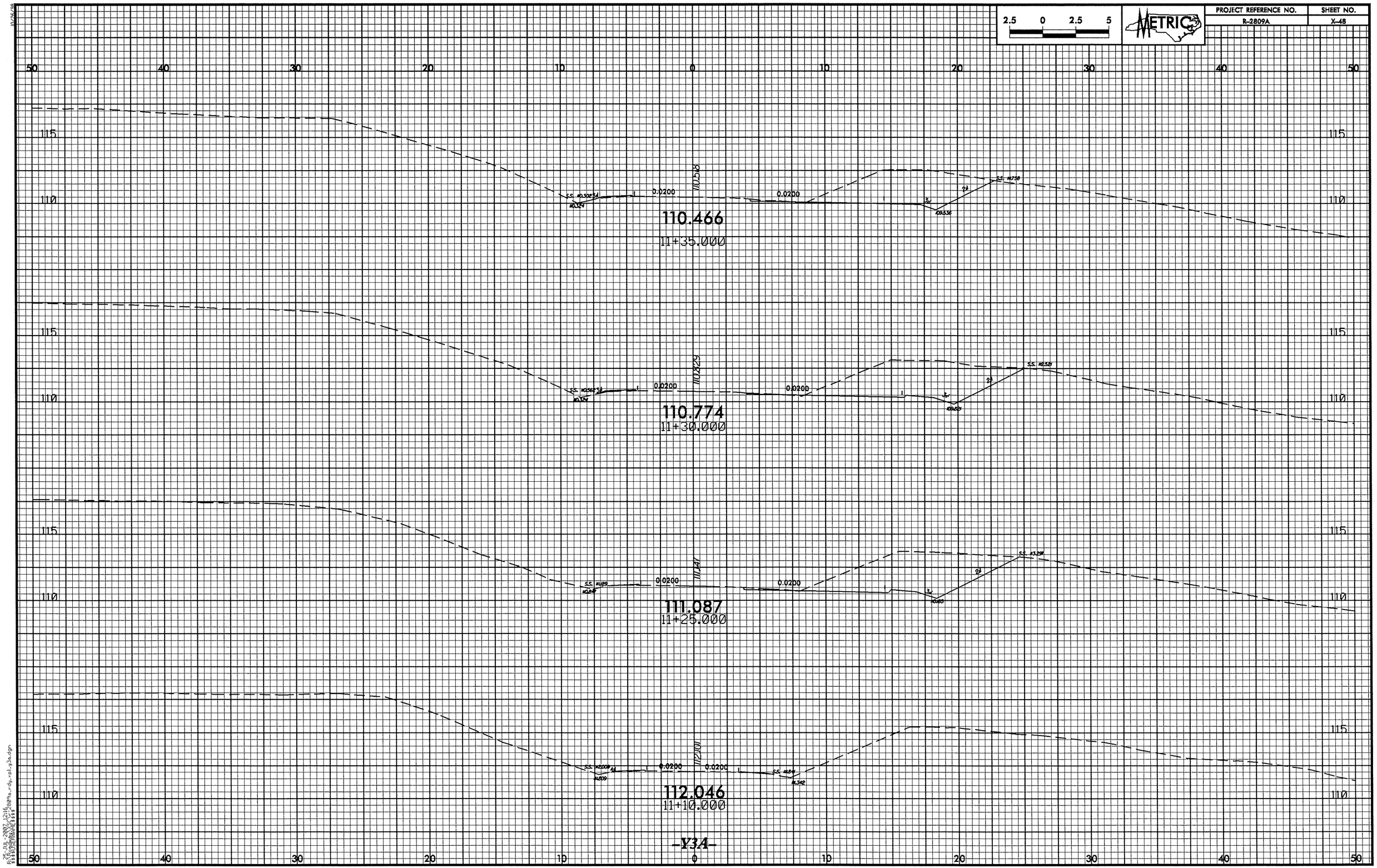
PROJECT REFERENCE NO.	SHEET NO.
R-2809A	X-45



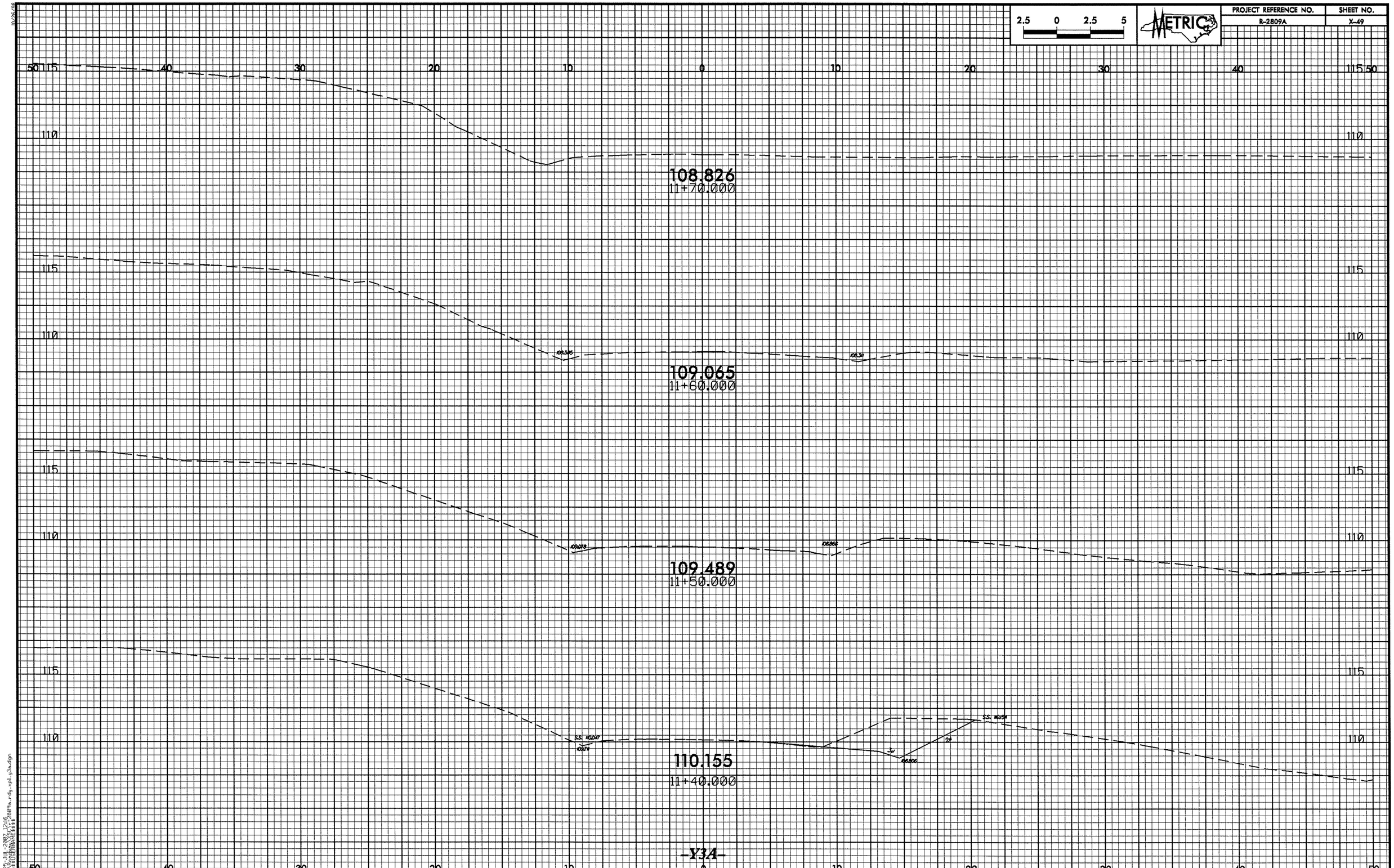
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-46
50 40 30 20 10 0 10 20 30 40 50
92.992
12+40.000
90
100
95
93.943
12+20.000
-Y3-



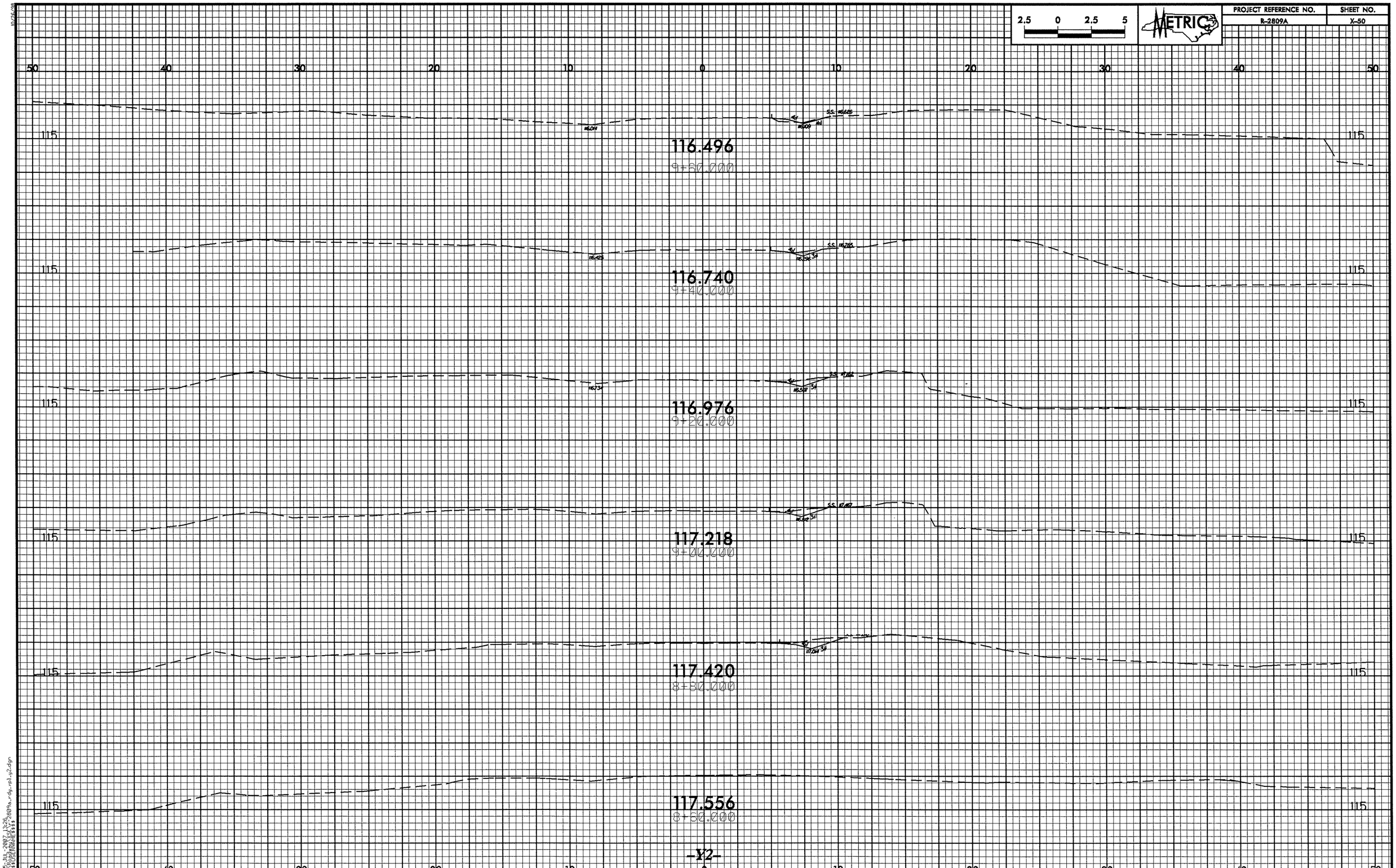
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-47
50 40 30 20 10 0 10 20 30 40 50
115
112.700
0.0200
0.0200
112.646
11+00.000
113.280
10+90.000
113.901
10+80.000
114.545
10+70.000
-Y3A-



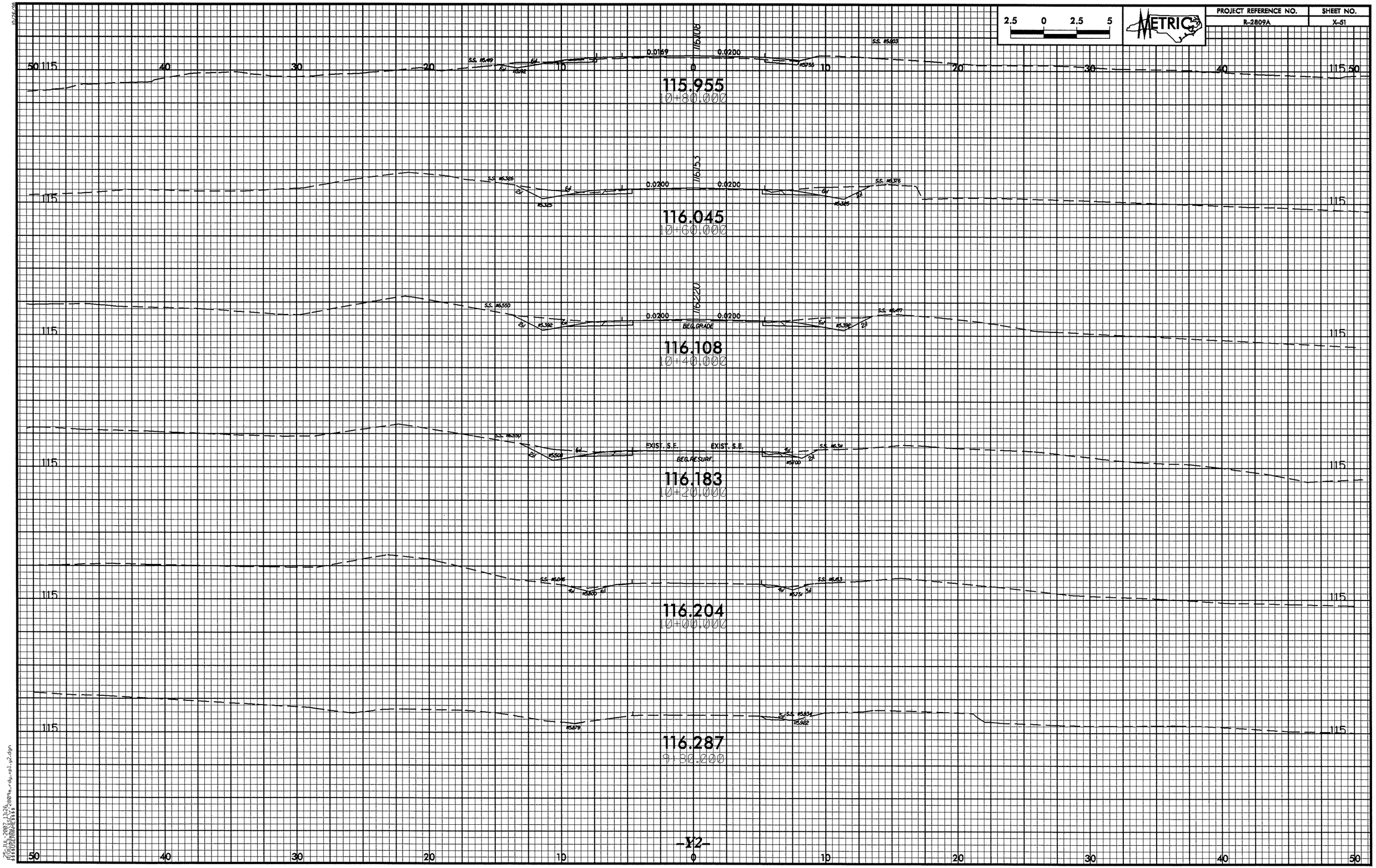
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-48
50 40 30 20 10 0 10 20 30 40 50
115
110
0.0200
110.518
110.466
11+35.000
110.829
110.774
11+30.000
111.141
111.087
11+25.000
112.101
112.046
11+10.000
-Y3A-



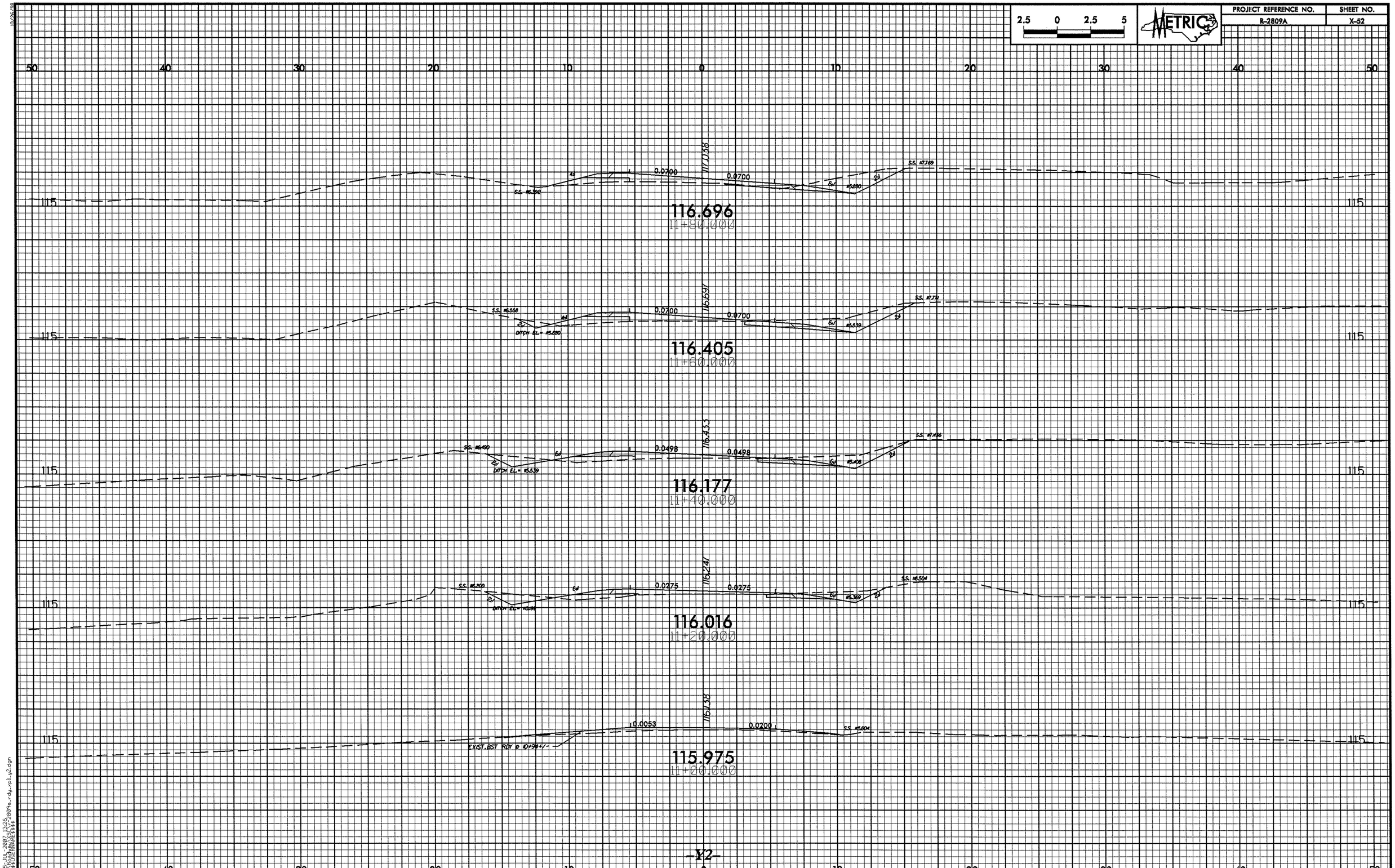
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-49
108.826
11+70.000
109.065
11+60.000
109.489
11+50.000
110.155
11+40.000
-Y3A-



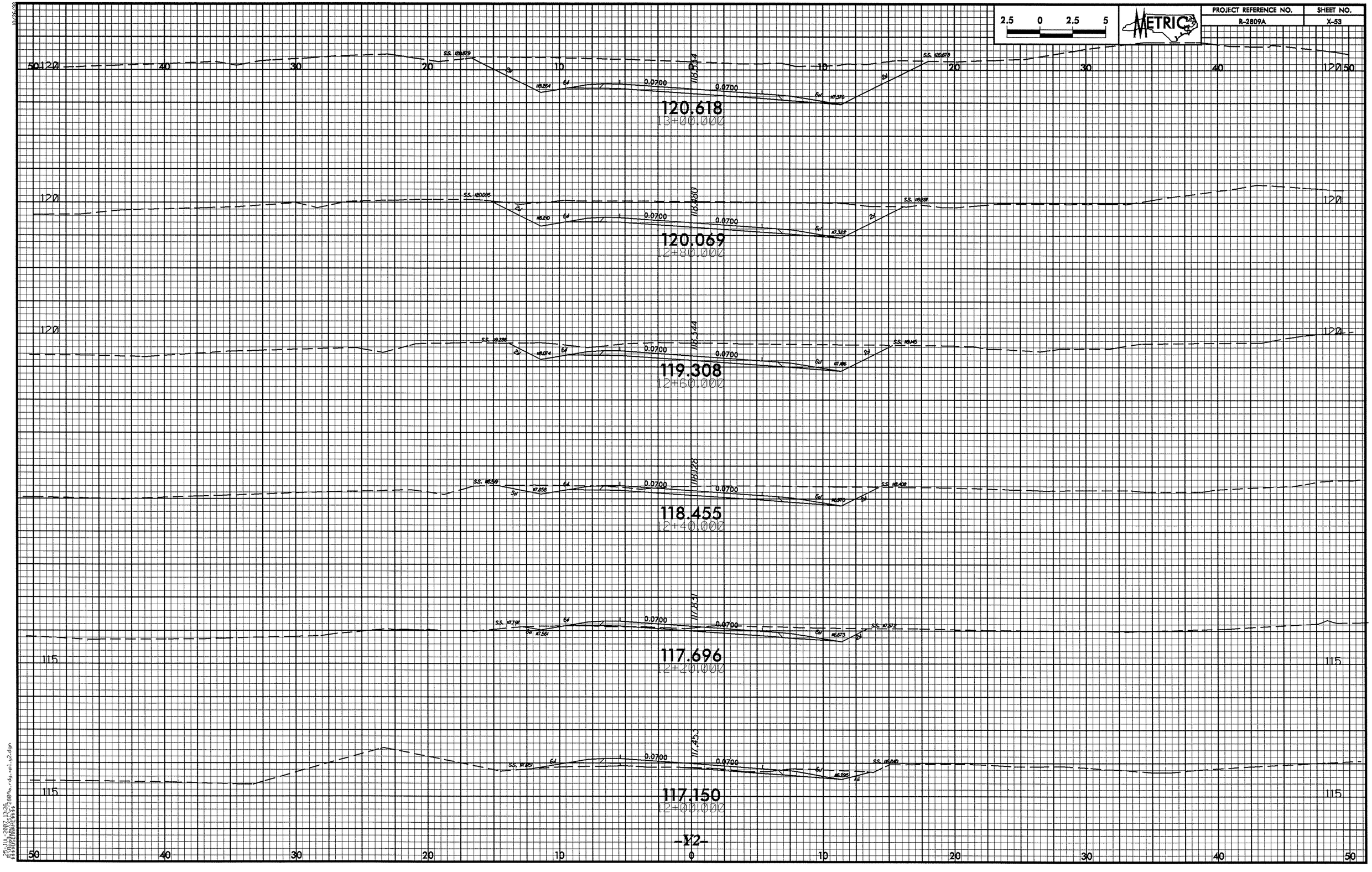
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-50
50 40 30 20 10 0 10 20 30 40 50
115
116.496
9+60.000
116.740
9+40.000
116.976
9+20.000
117.218
9+00.000
117.420
8+80.000
117.556
8+60.000
-Y2-



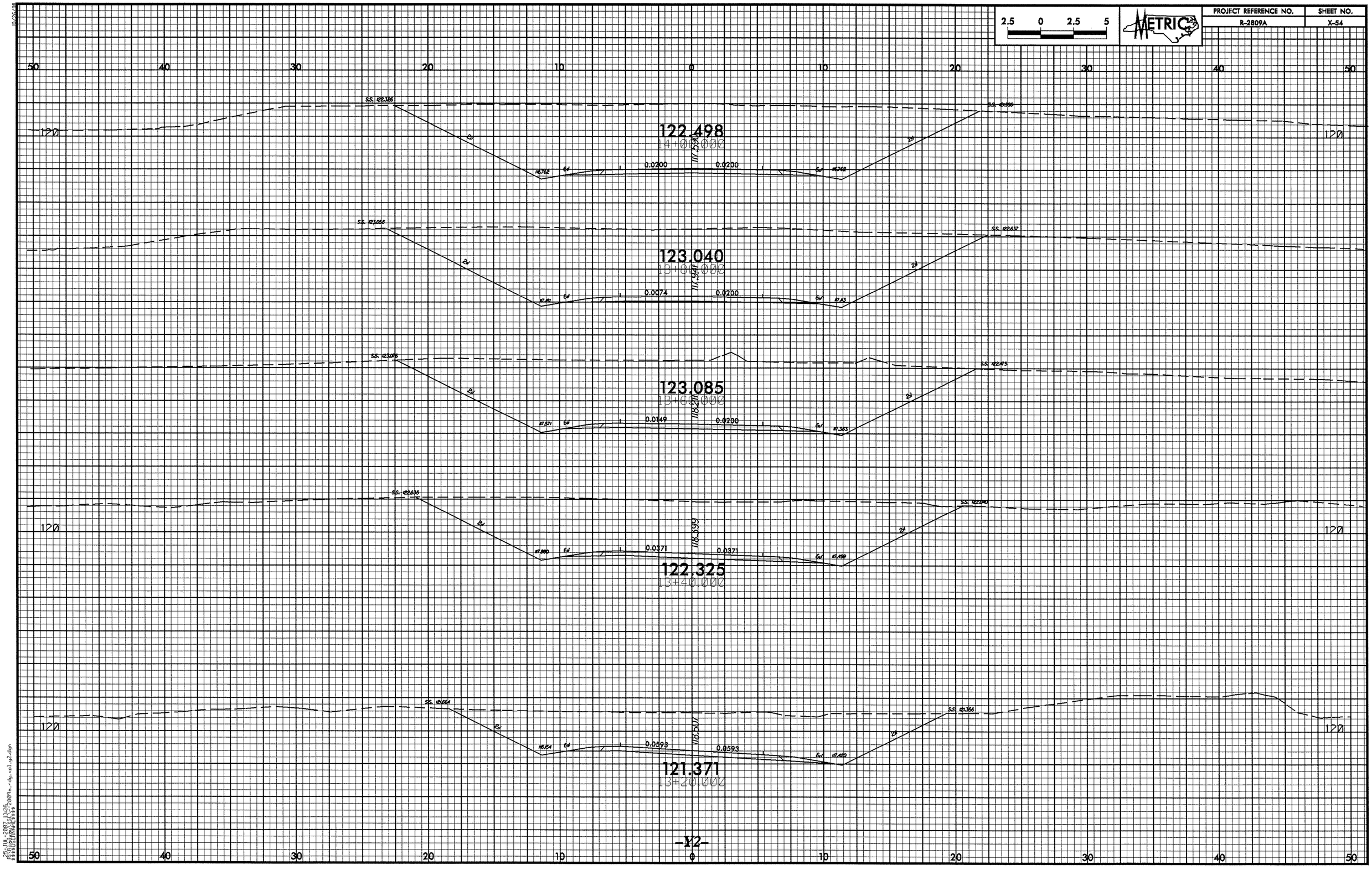
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-51
115.955
10+80.000
116.045
10+60.000
116.108
10+40.000
116.183
10+20.000
116.204
10+00.000
116.287
9+80.000
0.0169
0.0200
BEG.GRADE
EXIST. S.E.
BEG.RESURF.
-Y2-



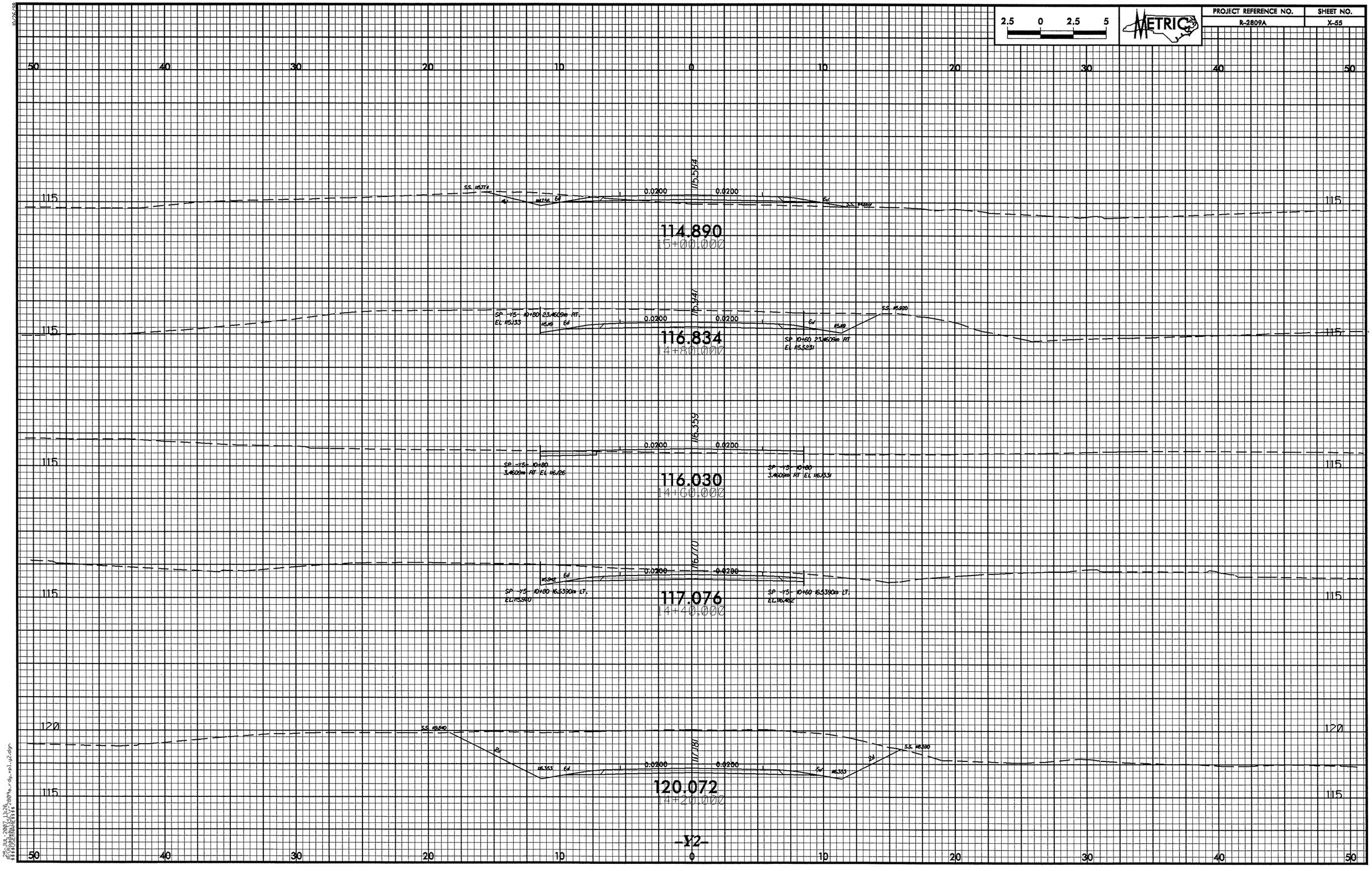
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-52
50 40 30 20 10 0 10 20 30 40 50
115
116.696
11+80.000
116.405
11+60.000
116.177
11+40.000
116.016
11+20.000
115.975
11+00.000
0.0700
0.0498
0.0275
0.0053
0.0200
-Y2-



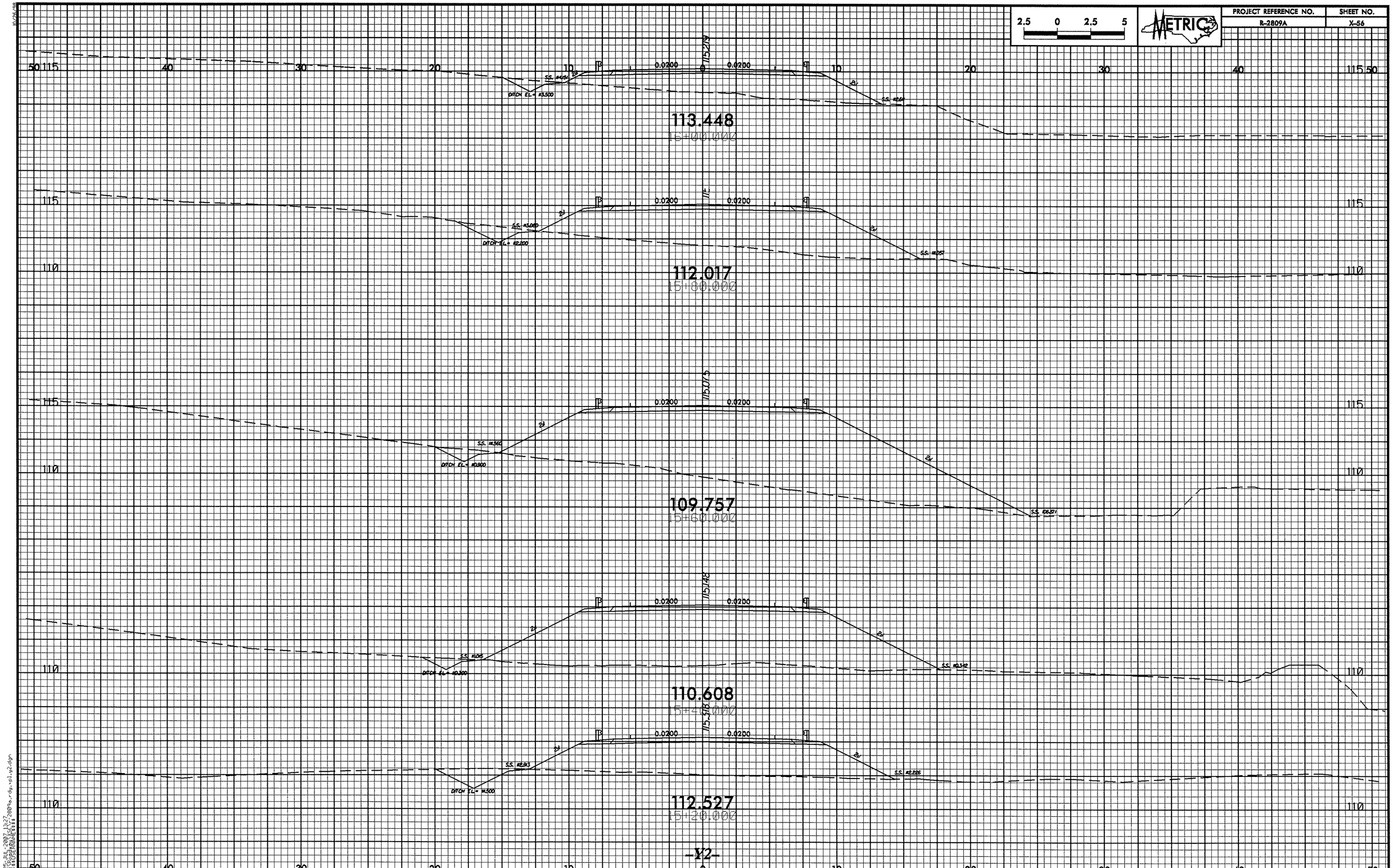
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-53
120.618
13+00.000
120.069
12+80.000
119.308
12+60.000
118.455
12+40.000
117.696
12+20.000
117.150
12+00.000
0.0700
-Y2-



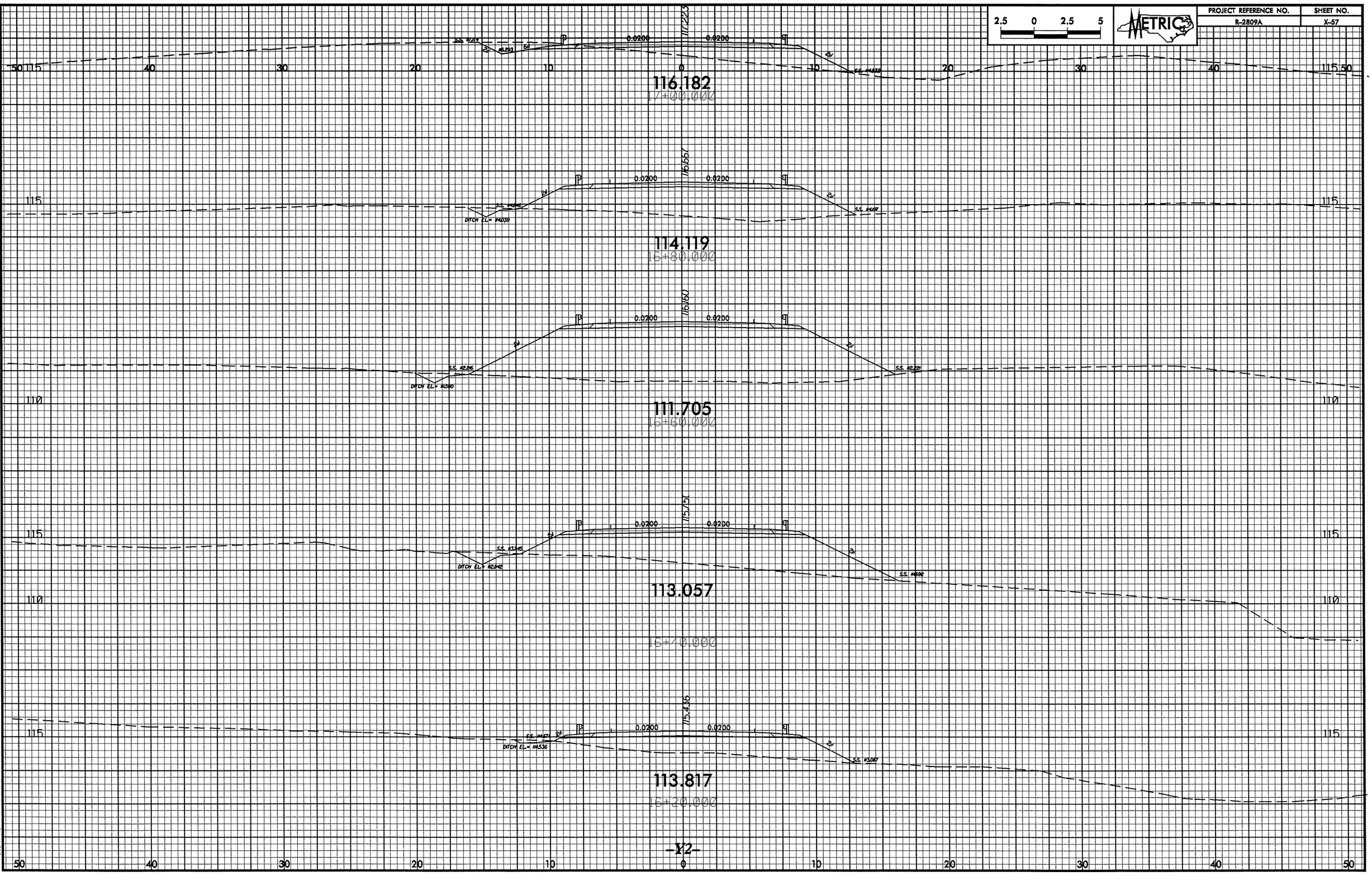
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-54
50 40 30 20 10 0 10 20 30 40 50
120
122.498
14+00.000
0.0200
0.0200
123.040
13+80.000
0.0074
0.0200
123.085
13+60.000
0.0149
0.0200
122.325
13+40.000
0.0371
0.0371
121.371
13+20.000
0.0593
0.0593
-Y2-



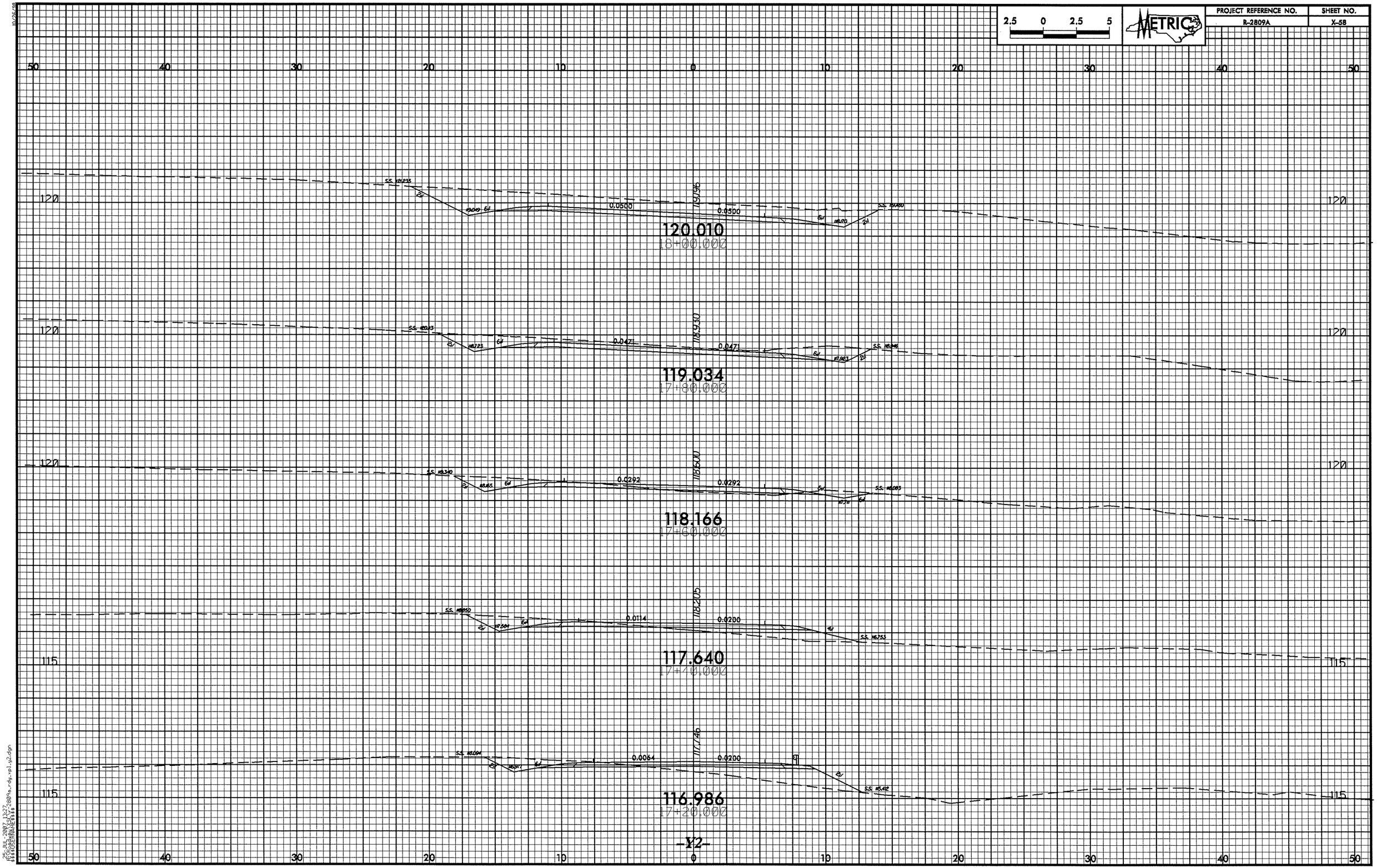
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-55
50 40 30 20 10 0 10 20 30 40 50
115
115.584
0.0200
0.0200
114.890
15+00.000
116.941
116.834
14+80.000
116.359
116.030
14+60.000
116.770
117.076
14+40.000
120
117.181
120.072
14+20.000
-Y2-



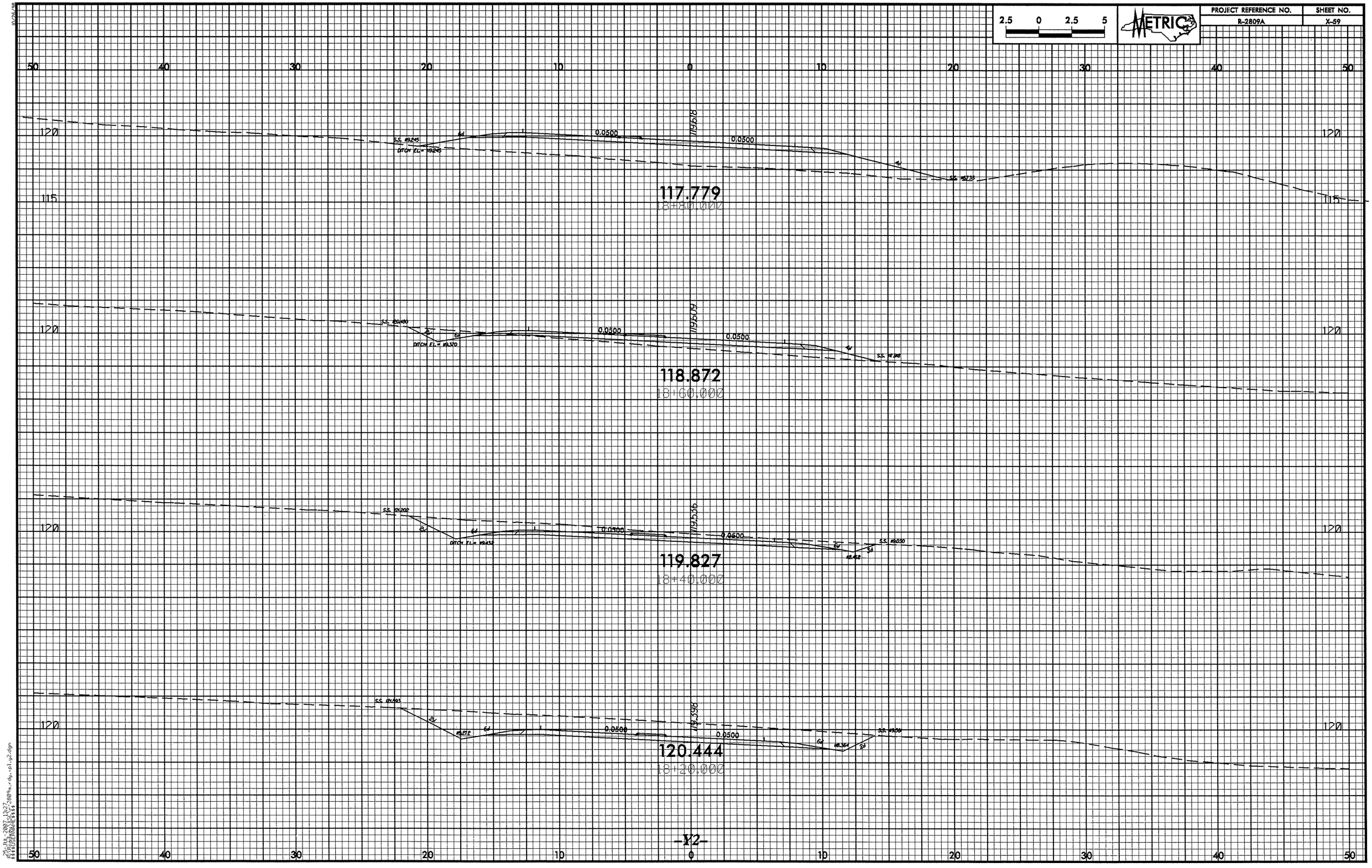
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-56
113.448
16+00.000
112.017
15+80.000
109.757
15+60.000
110.608
15+40.000
112.527
15+20.000
0.0200
0.0200
115.219
115.075
115.148
115.318
DITCH EL= 113.500
DITCH EL= 112.200
DITCH EL= 110.900
DITCH EL= 110.300
DITCH EL= 111.500
-Y2-



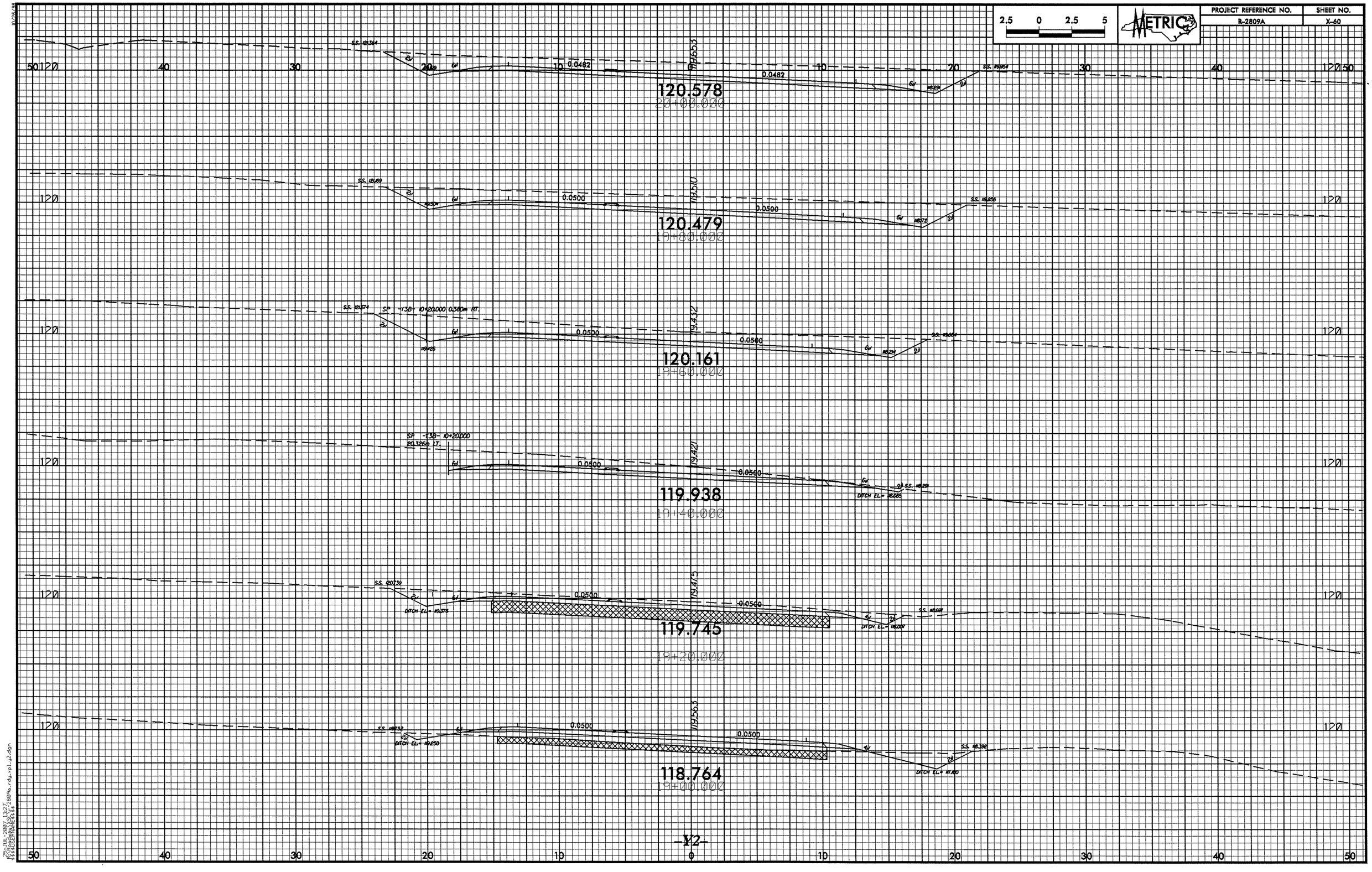
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-57
116.182
17+00.000
114.119
16+80.000
111.705
16+60.000
113.057
16+40.000
113.817
16+20.000
0.0200
DITCH EL= 114.039
DITCH EL= 111.590
DITCH EL= 112.942
DITCH EL= 114.536
-Y2-



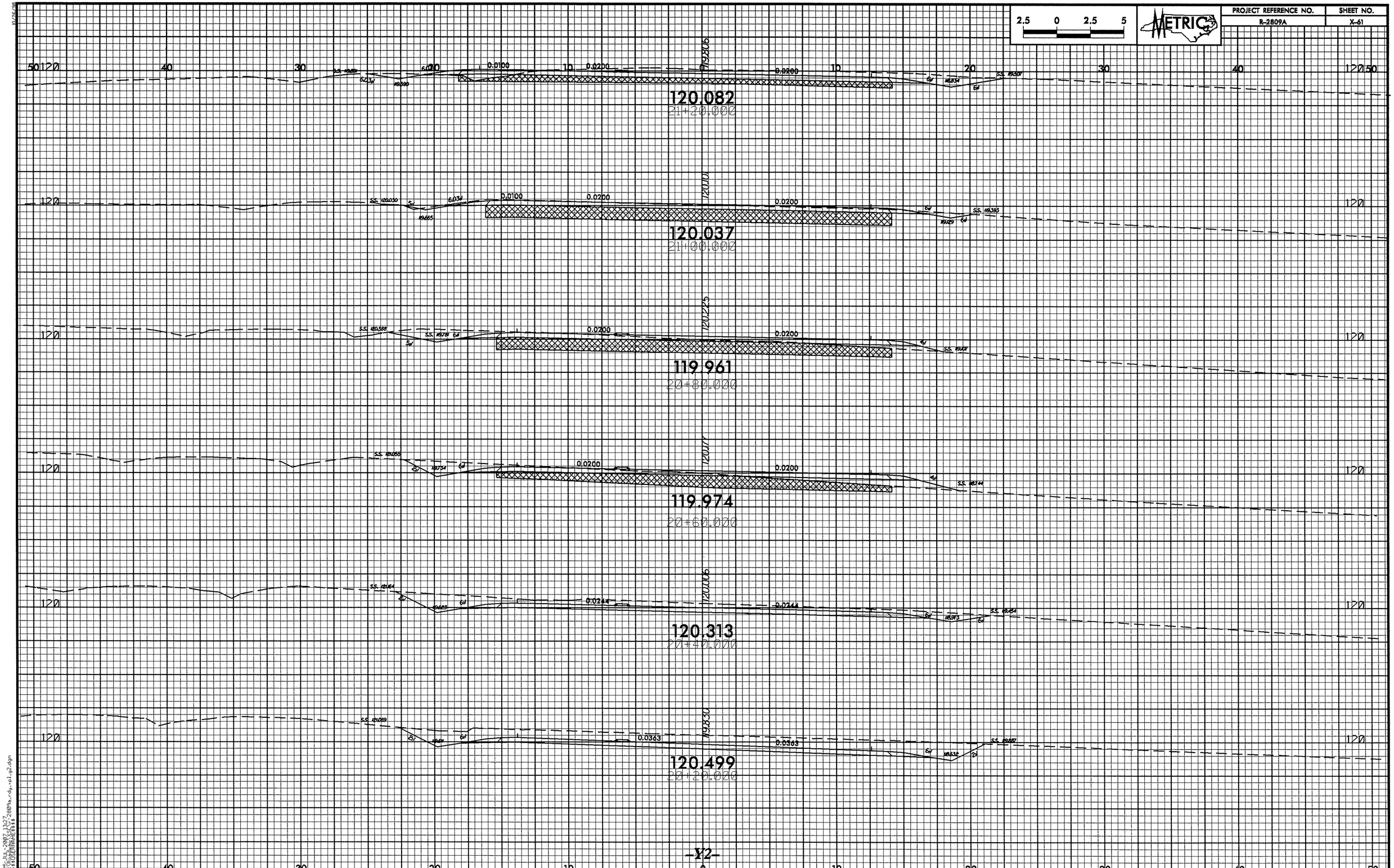
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-58
50 40 30 20 10 0 10 20 30 40 50
120
115
0.0500
0.0500
120.010
18+00.000
0.0471
0.0471
119.034
17+80.000
0.0292
0.0292
118.166
17+60.000
0.0114
0.0200
117.640
17+40.000
0.0064
0.0200
116.986
17+20.000
-Y2-



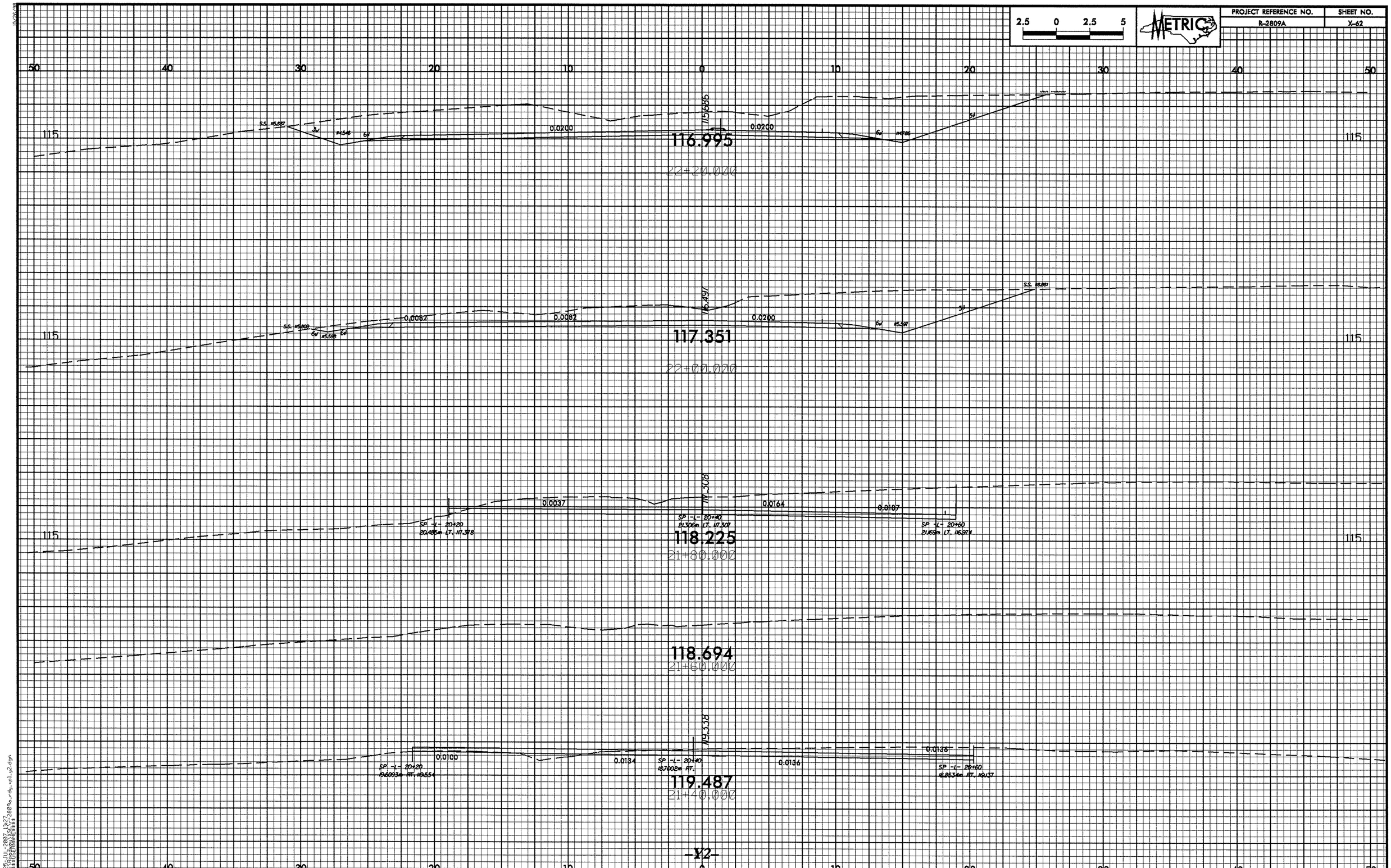
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-59
50 40 30 20 10 0 10 20 30 40 50
120
115
0.0500
119.618
117.779
18+80.000
119.609
118.872
18+60.000
119.536
119.827
18+40.000
119.398
120.444
18+20.000
-Y2-



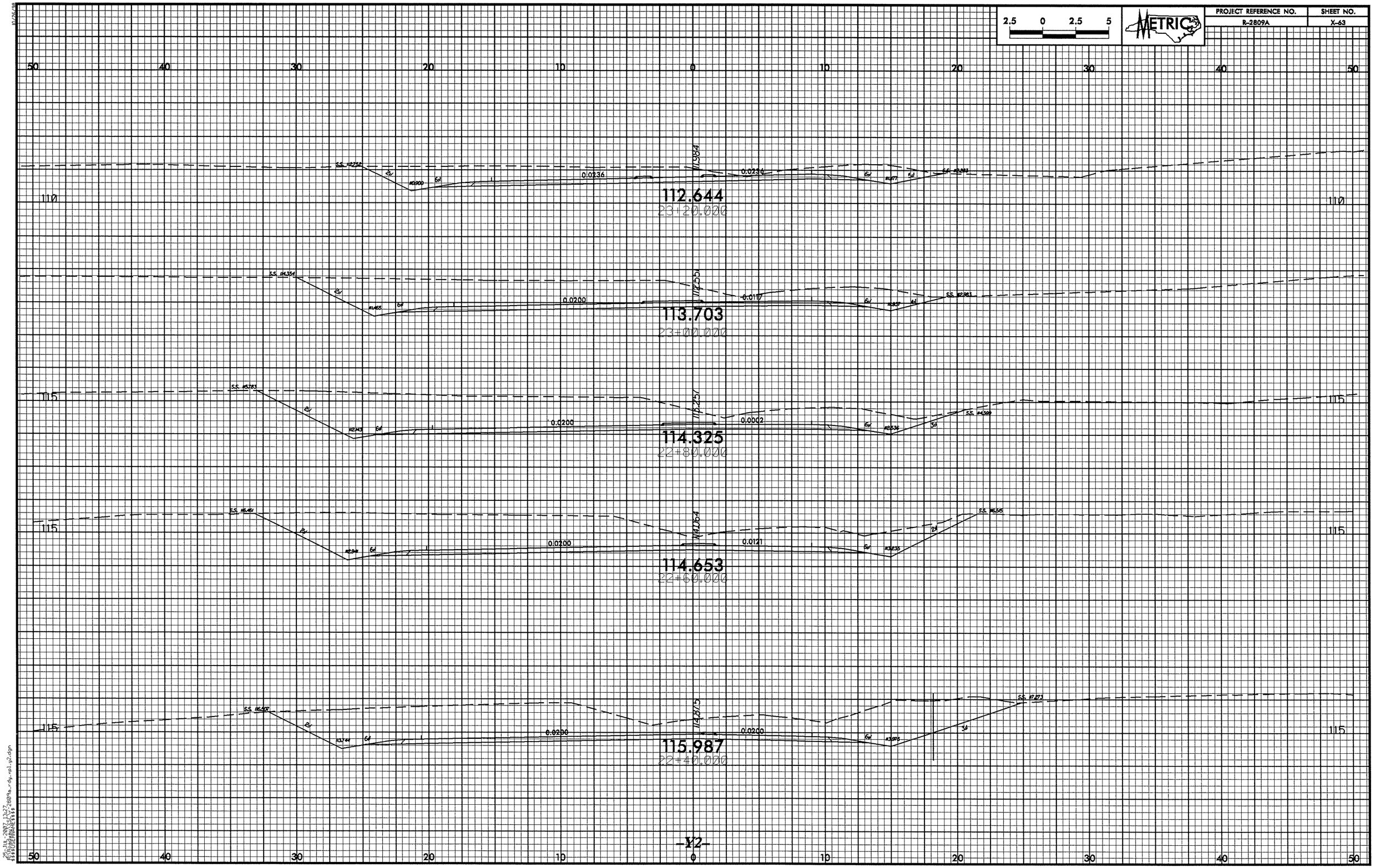
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-60
120.578
20+00.000
120.479
19+80.000
120.161
19+60.000
119.938
19+40.000
119.745
19+20.000
118.764
19+00.000
0.0482
0.0500
-Y2-



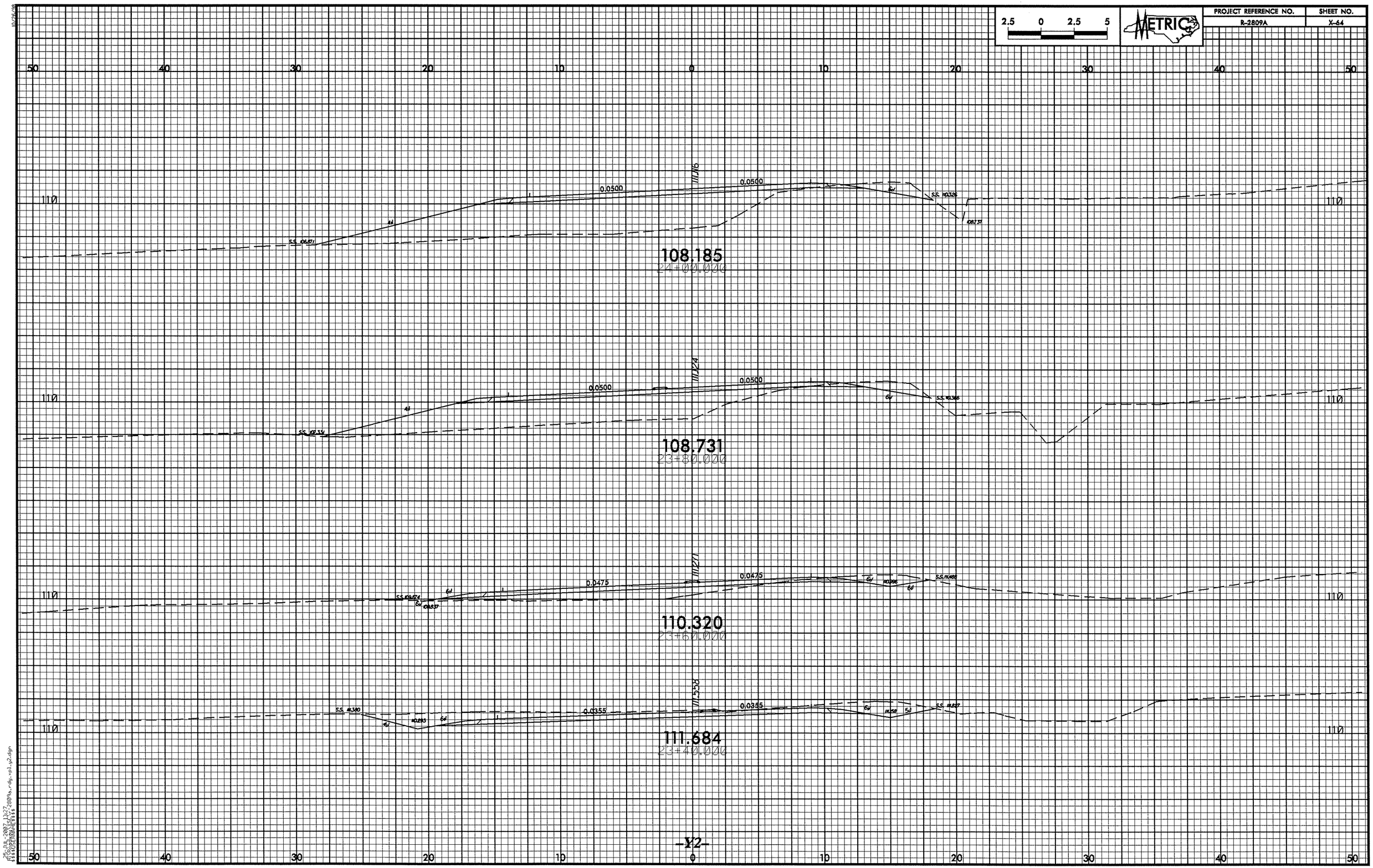
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-61
120.082
21+20.000
120.037
21+00.000
119.961
20+80.000
119.974
20+60.000
120.313
20+40.000
120.499
20+20.000
-Y2-



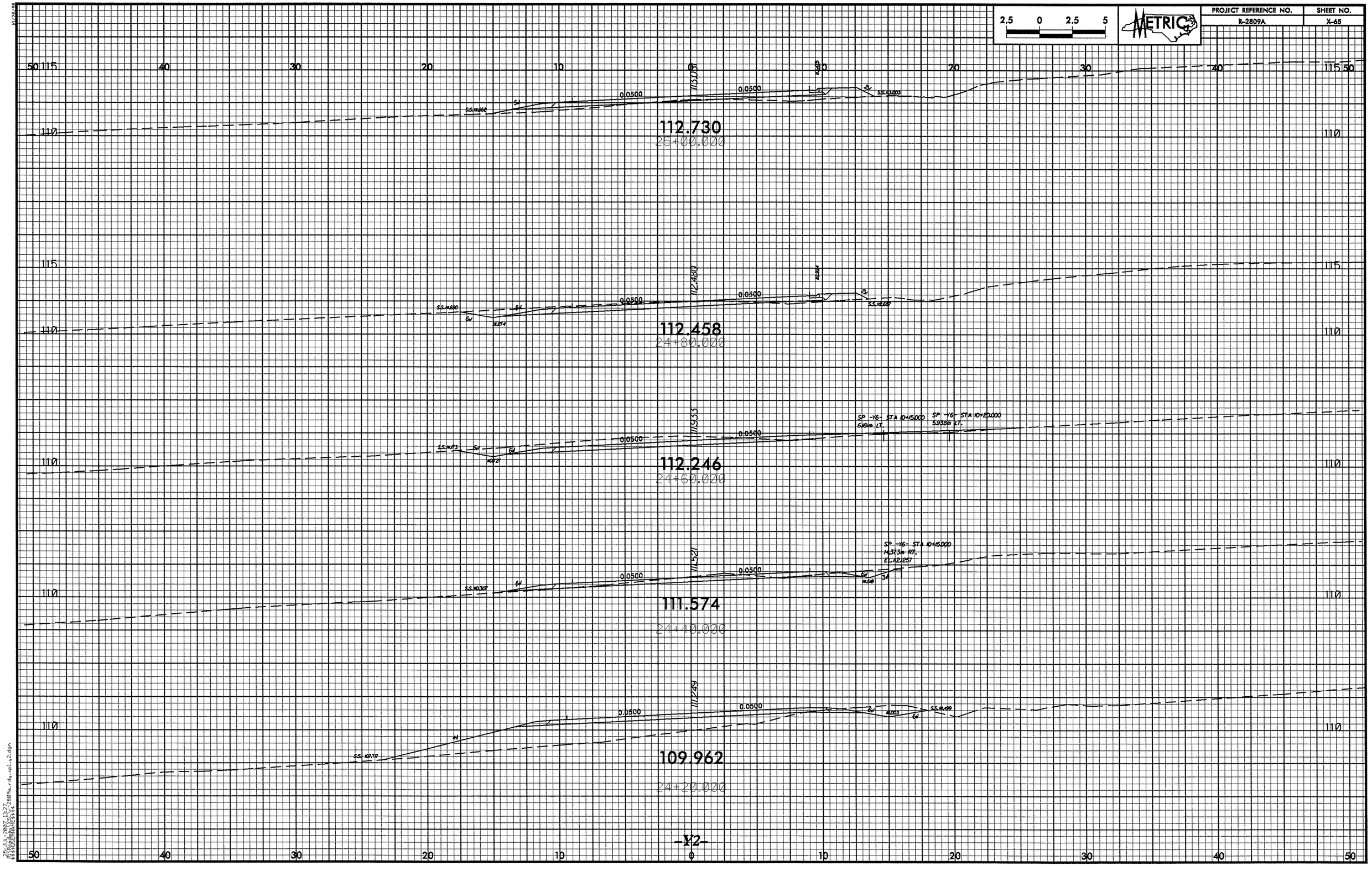
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-62
50 40 30 20 10 0 10 20 30 40 50
115
115.686
0.0200
0.0200
116.995
22+20.000
116.491
0.0082
0.0082
0.0200
117.351
22+00.000
117.308
0.0037
0.0164
0.0187
SP -L- 20+20
20.485m LT. 117.378
SP -L- 20+40
21.306m LT. 117.307
SP -L- 20+60
21.169m LT. 116.974
118.225
21+80.000
118.694
21+60.000
119.338
0.0100
0.0134
0.0136
0.0136
SP -L- 20+20
19.6093m RT. 119.554
SP -L- 20+40
18.7002m RT.
SP -L- 20+60
18.8534m RT. 119.137
119.487
21+40.000
-Y2-



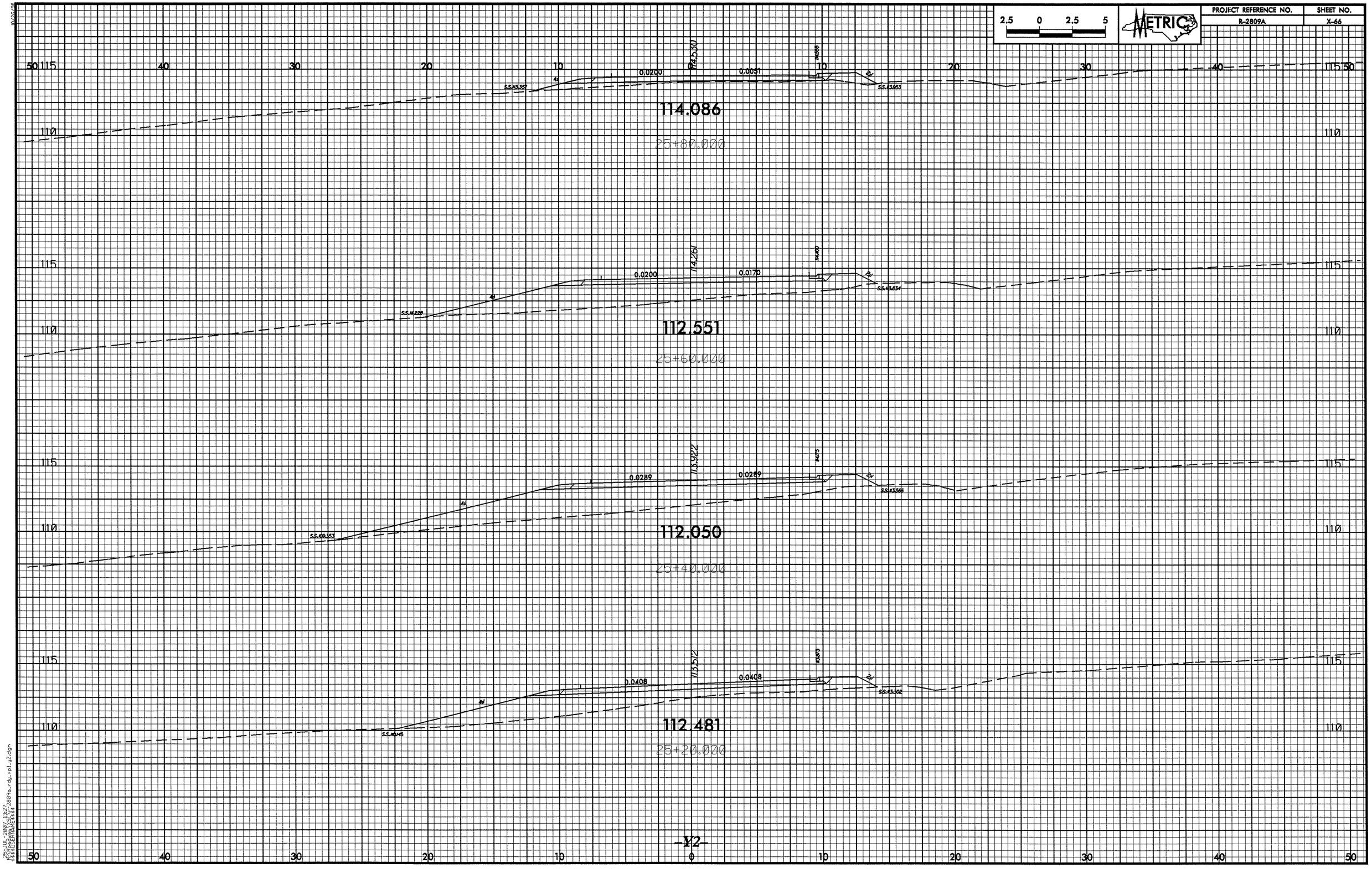
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-63
50 40 30 20 10 0 10 20 30 40 50
110
112.644
23+20.000
0.0236
0.0236
113.703
23+00.000
0.0200
0.0117
115
114.325
22+80.000
0.0200
0.0002
114.653
22+60.000
0.0200
0.0121
115.987
22+40.000
0.0200
0.0200
-Y2-



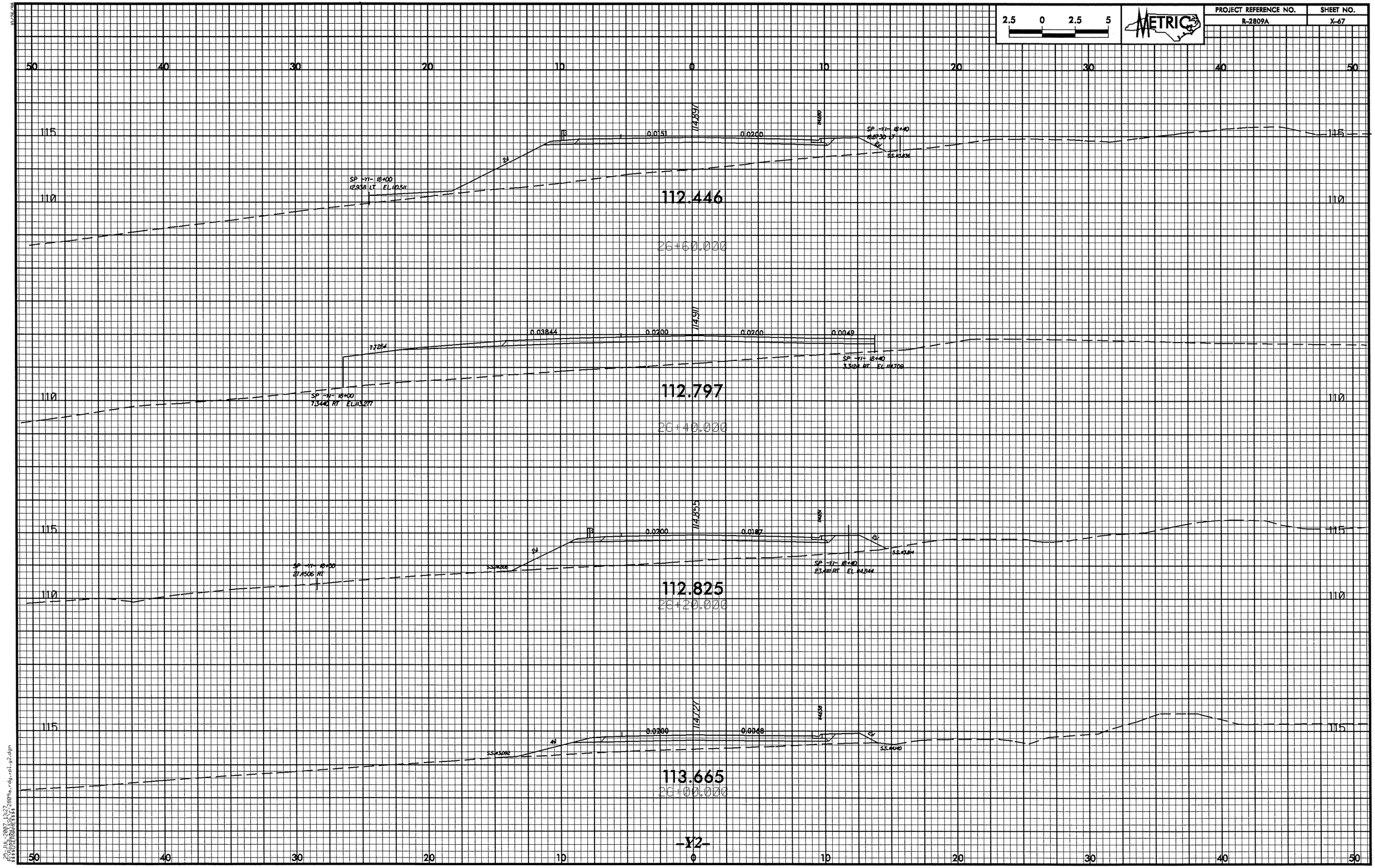
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-64
50 40 30 20 10 0 10 20 30 40 50
110
0.0500
0.0500
108.185
24+00.000
0.0500
0.0500
108.731
23+80.000
0.0475
0.0475
110.320
23+60.000
0.0355
0.0355
111.684
23+40.000
-Y2-



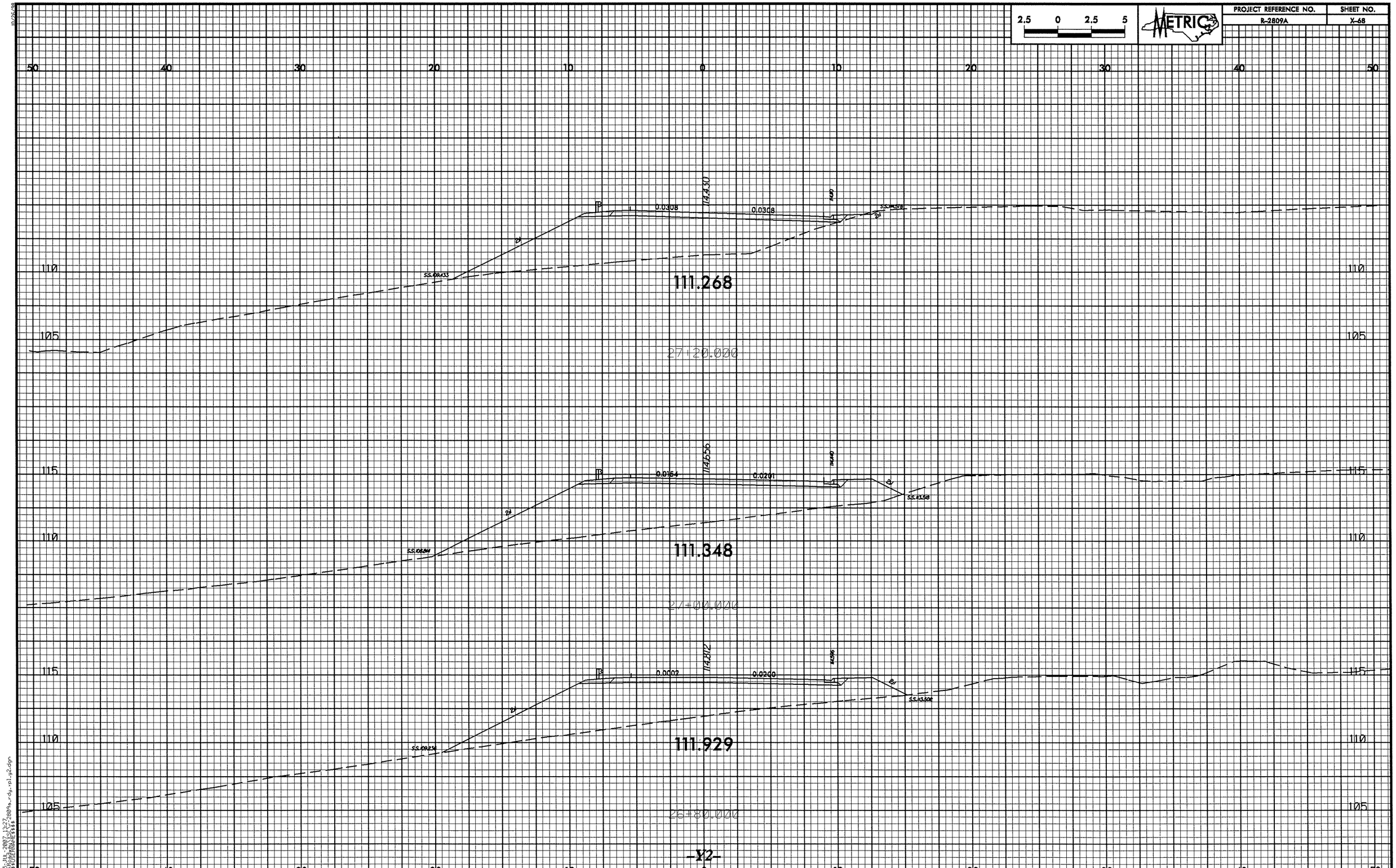
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-65
112.730
25+00.000
112.458
24+80.000
112.246
24+60.000
111.574
24+40.000
109.962
24+20.000
0.0500
-Y2-



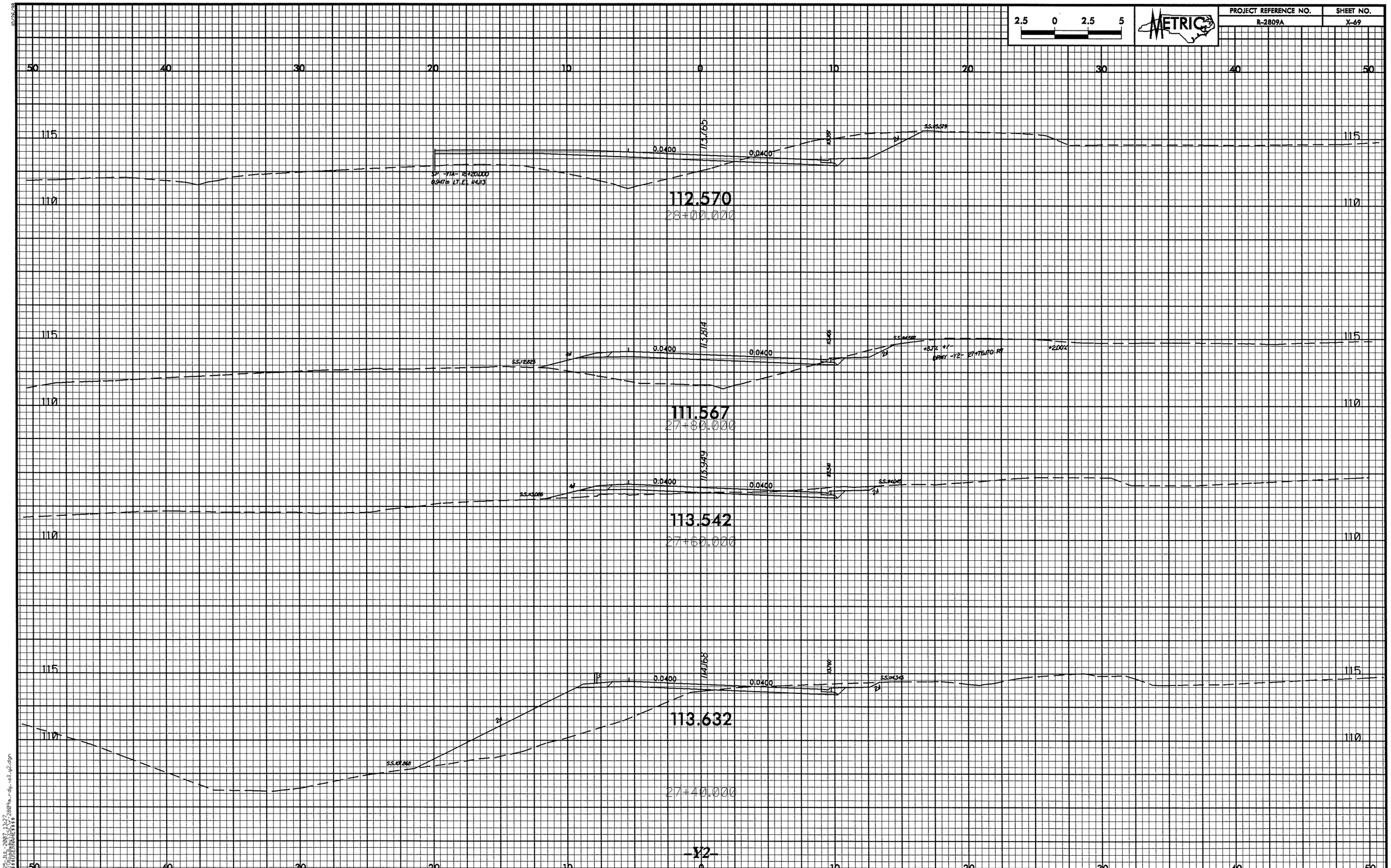
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-66
114.530
0.0200
0.0051
114.086
25+80.000
114.261
0.0200
0.0170
112.551
25+60.000
113.922
0.0289
0.0289
112.050
25+40.000
113.512
0.0408
0.0408
112.481
25+20.000
-Y2-



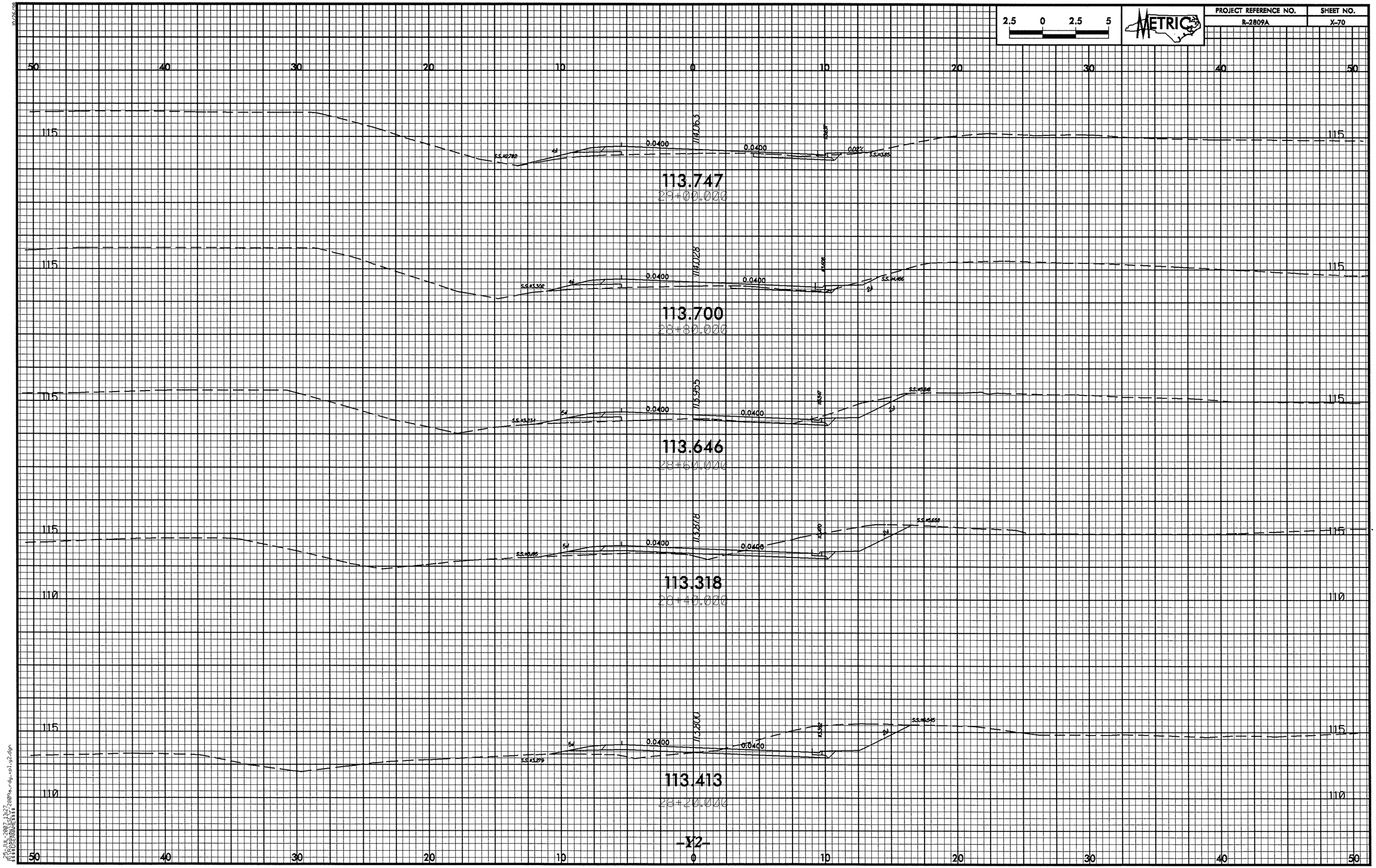
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-67
50 40 30 20 10 0 10 20 30 40 50
115
110
114.891
0.0151
0.0200
SP -Y1- 18+00
12.938 LT EL 110.511
SP -Y1- 18+40
112.446
26+60.000
114.911
0.03844
0.0200
0.0200
0.0049
SP -Y1- 18+00
7.3440 RT EL 113.277
SP -Y1- 18+40
3.3124 RT EL 114.709
112.797
26+40.000
114.855
0.0200
0.0187
SP -Y1- 18+00
27.4506 RT
SP -Y1- 18+40
23.4111 RT EL 114.844
112.825
26+20.000
114.727
0.0200
0.0068
113.665
26+00.000
-Y2-



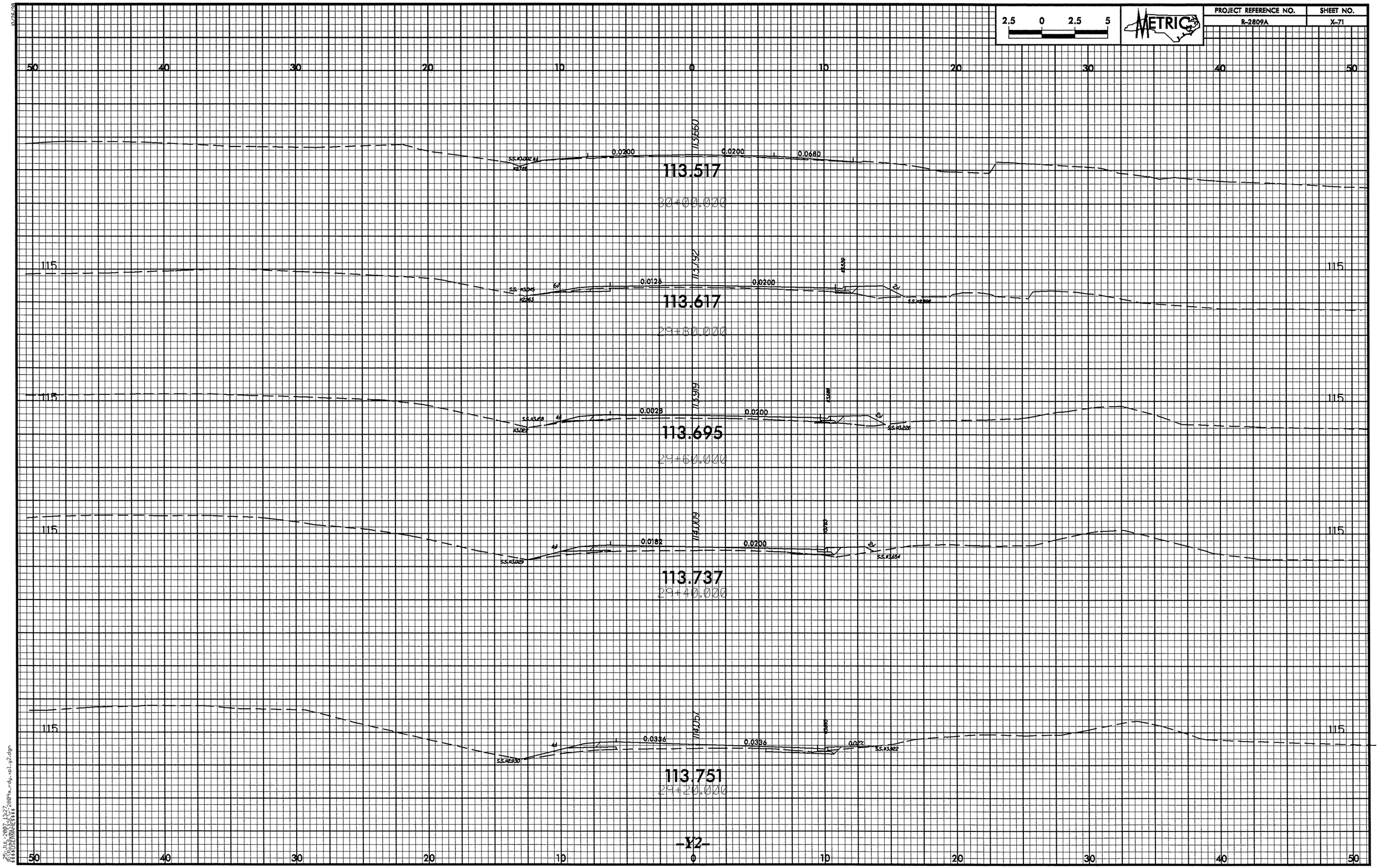
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-68
50 40 30 20 10 0 10 20 30 40 50
110
105
114.430
0.0308
0.0308
111.268
27+20.000
115
110
114.656
0.0154
0.0201
111.348
27+00.000
115
110
105
114.812
0.0002
0.0200
111.929
26+80.000
-Y2-



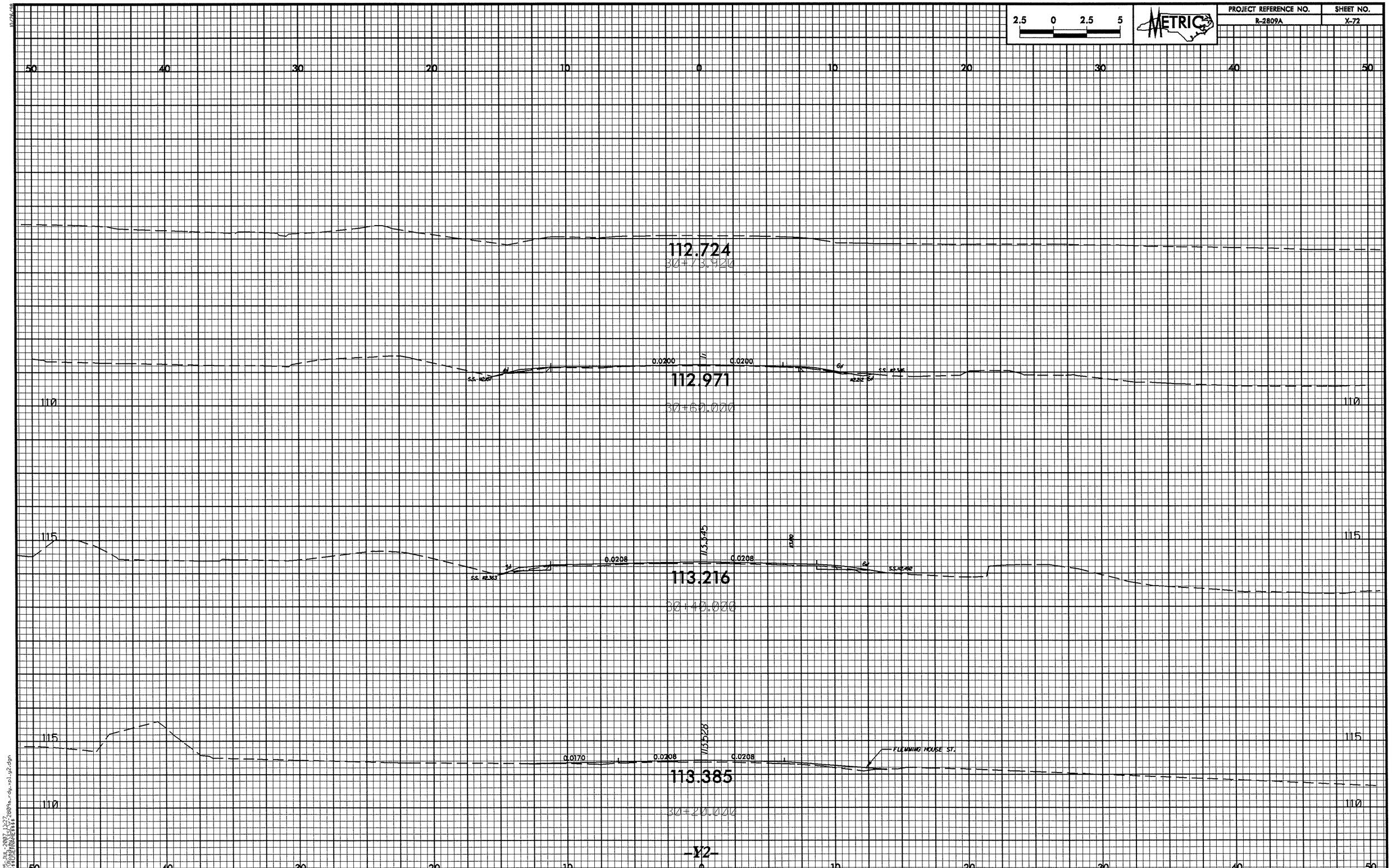
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-69
50 40 30 20 10 0 10 20 30 40 50
115
110
0.0400
113.765
112.570
28+00.000
113.814
111.567
27+80.000
113.949
113.542
27+60.000
114.168
113.632
27+40.000
-Y2-



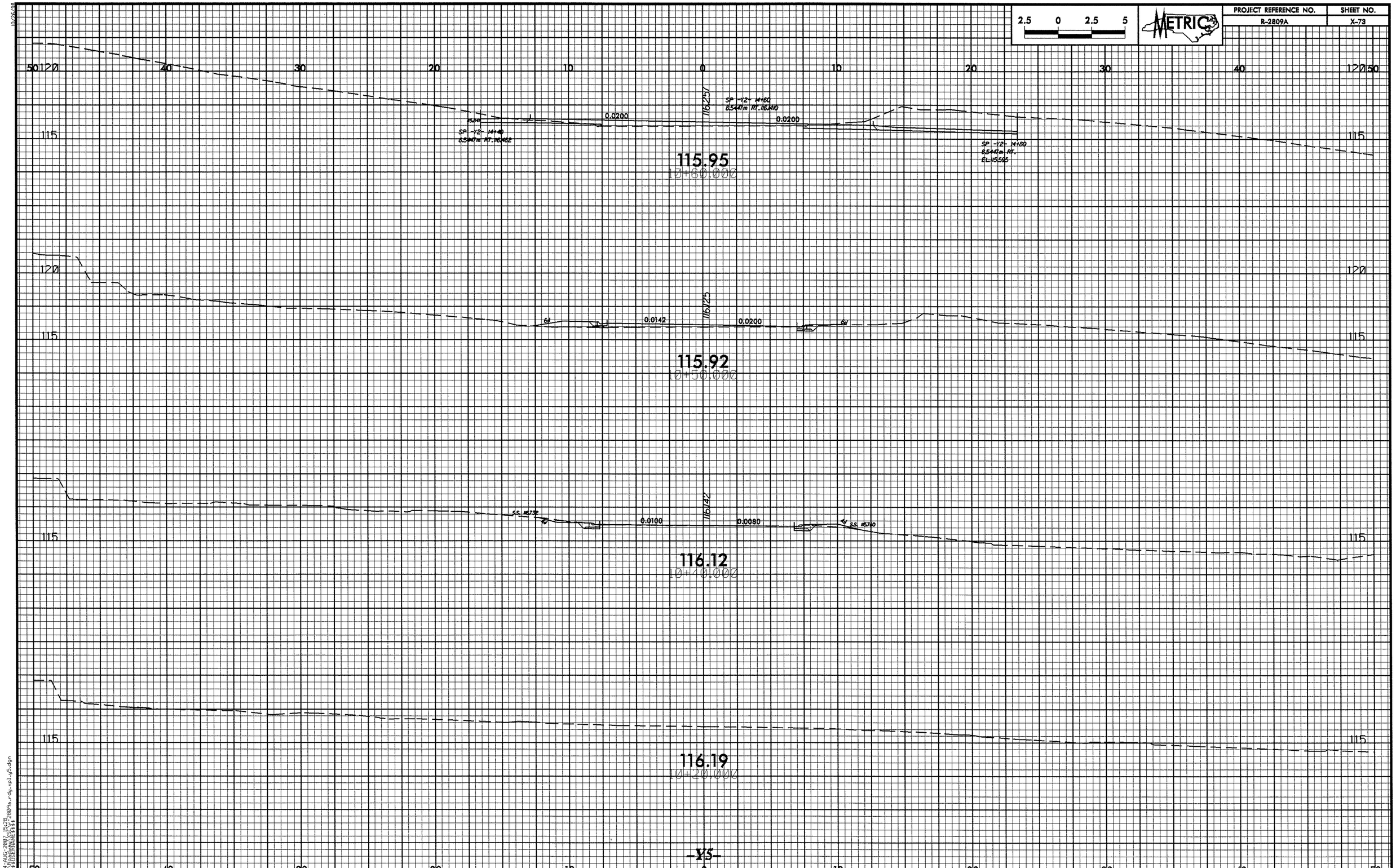
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-70
50 40 30 20 10 0 10 20 30 40 50
115
110
0.0400
113.747
29+00.000
113.700
28+80.000
113.646
28+60.000
113.318
28+40.000
113.413
28+20.000
-Y2-



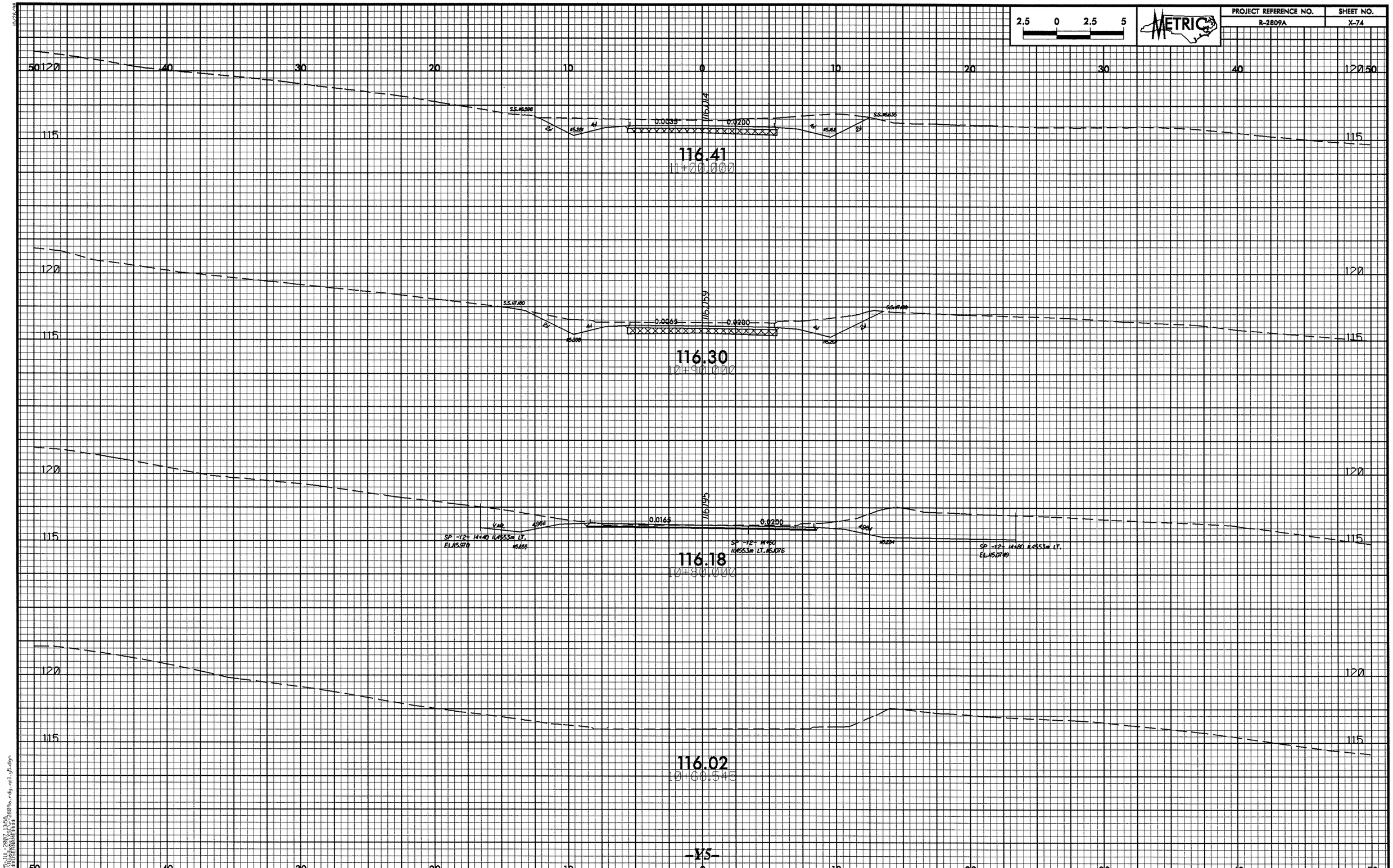
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-71
50 40 30 20 10 0 10 20 30 40 50
113.660
0.0200
0.0200
0.0680
113.517
30+00.000
115
113.792
0.0126
0.0200
113.617
29+80.000
113.919
0.0028
0.0200
113.695
29+60.000
114.009
0.0182
0.0200
113.737
29+40.000
114.057
0.0336
0.0336
0.02%
113.751
29+20.000
-Y2-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-72
50 40 30 20 10 0 10 20 30 40 50
112.724
30+73.920
0.0200
0.0200
112.971
30+60.000
110
115
113.345
0.0208
0.0208
113.216
30+40.000
113.528
0.0170
0.0208
0.0208
FLEMMING HOUSE ST.
113.385
30+20.000
-Y2-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-73
115.95
10+60.000
0.0200
0.0200
116.257
SP -Y2- 14+60
8.5447m RT. 116.1410
SP -Y2- 14+40
8.5447m RT. 116.1482
SP -Y2- 14+60
8.5447m RT.
EL. 115.595
115.92
10+50.000
0.0142
0.0200
116.125
116.12
10+40.000
0.0100
0.0080
116.142
116.19
10+20.000
-Y5-

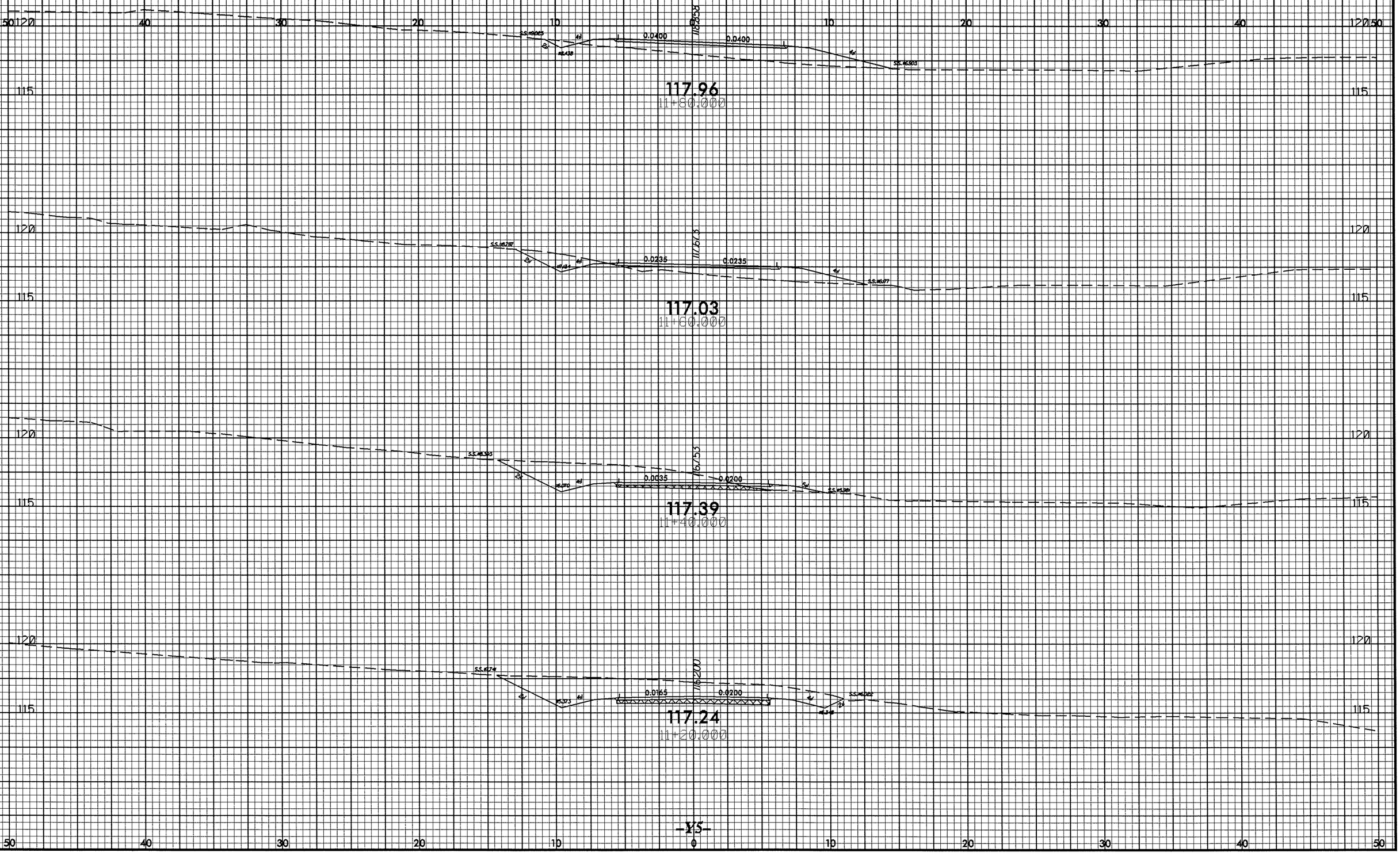


2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-74
116.41
11+00.000
116.30
10+90.000
116.18
10+80.000
116.02
10+68.545
0.0035
0.0200
0.0065
0.0200
0.0165
0.0200
116.014
116.059
116.195
-Y5-

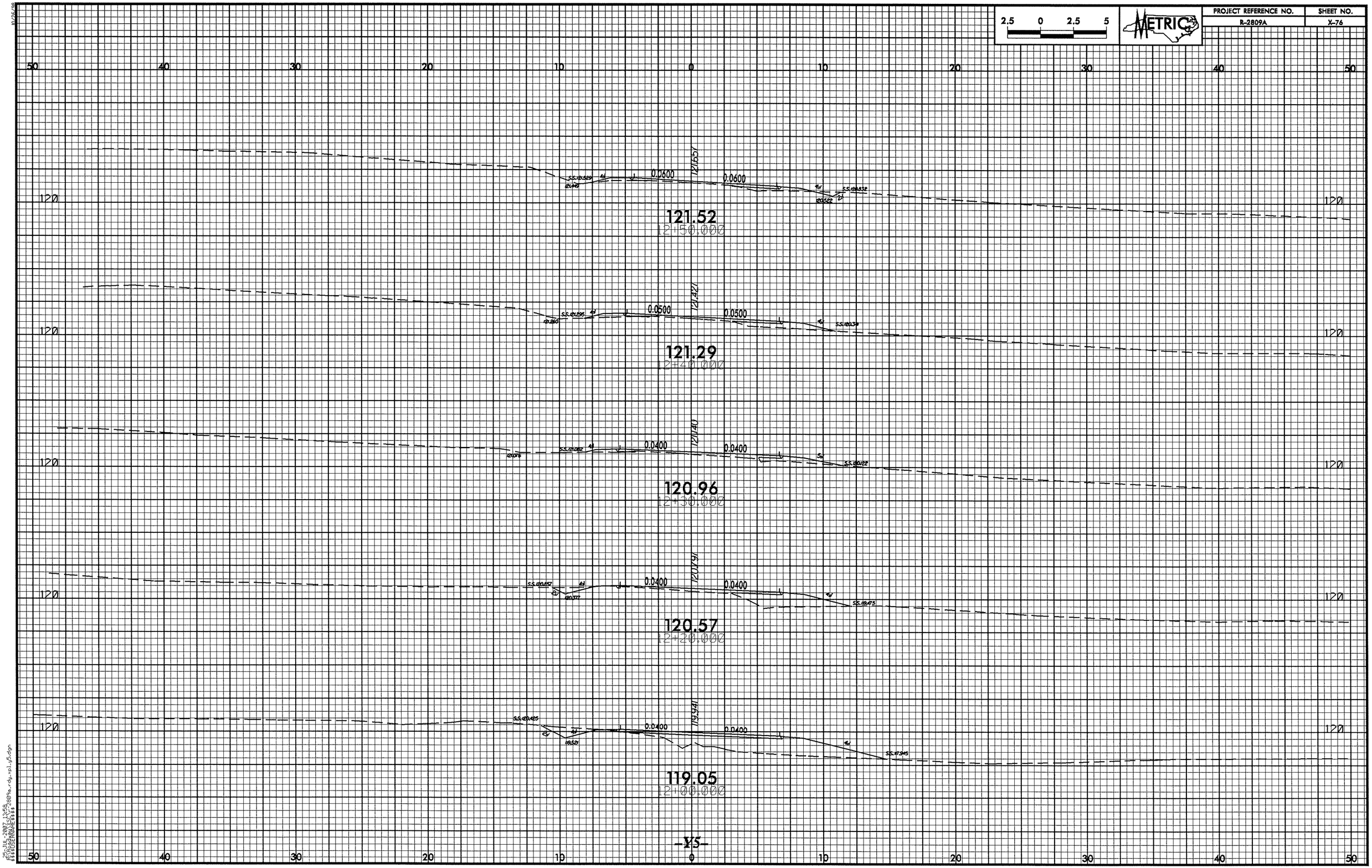
PROJECT REFERENCE NO.	SHEET NO.
R-2809A	X-75

2.5 0 2.5 5

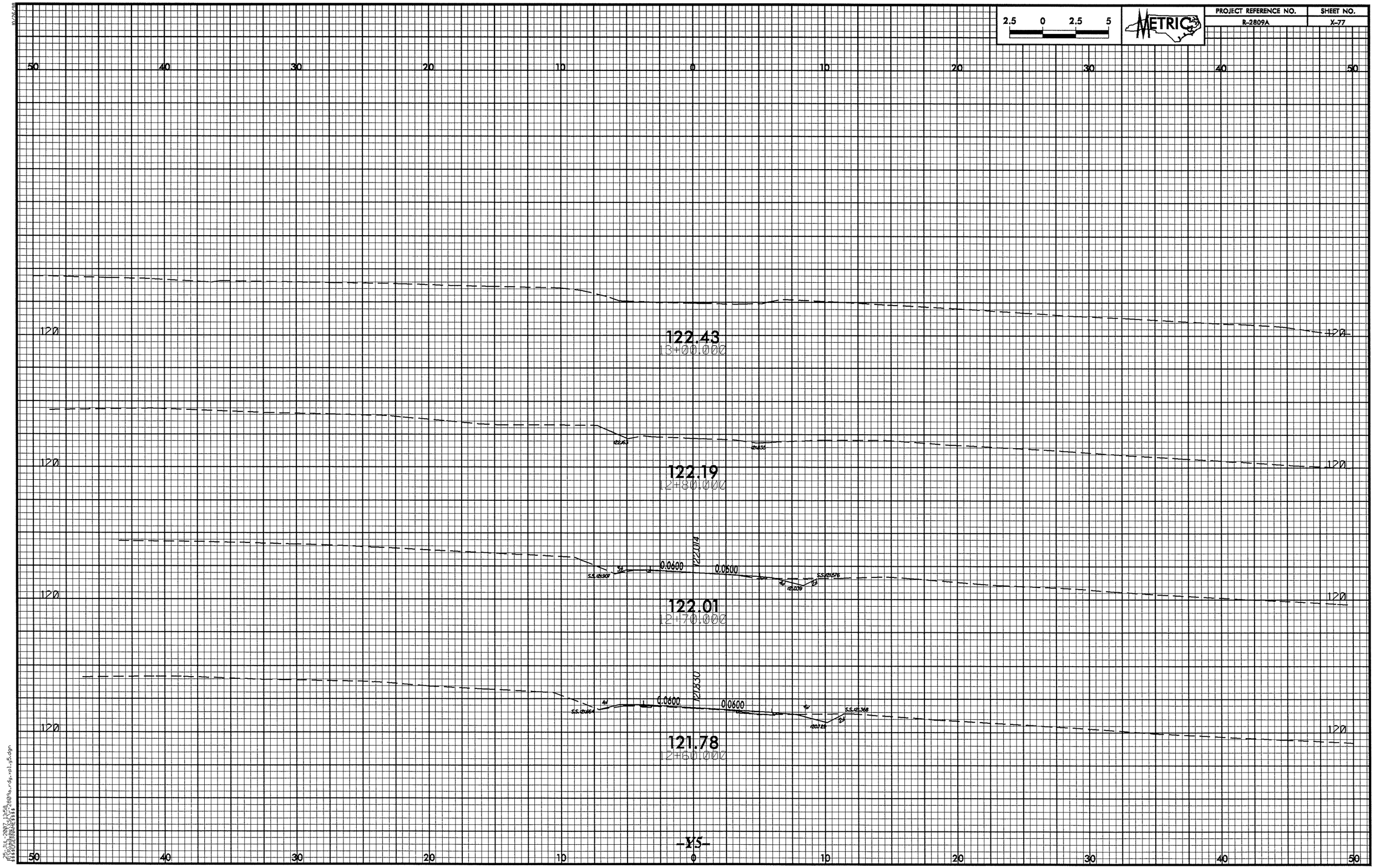
METRIC



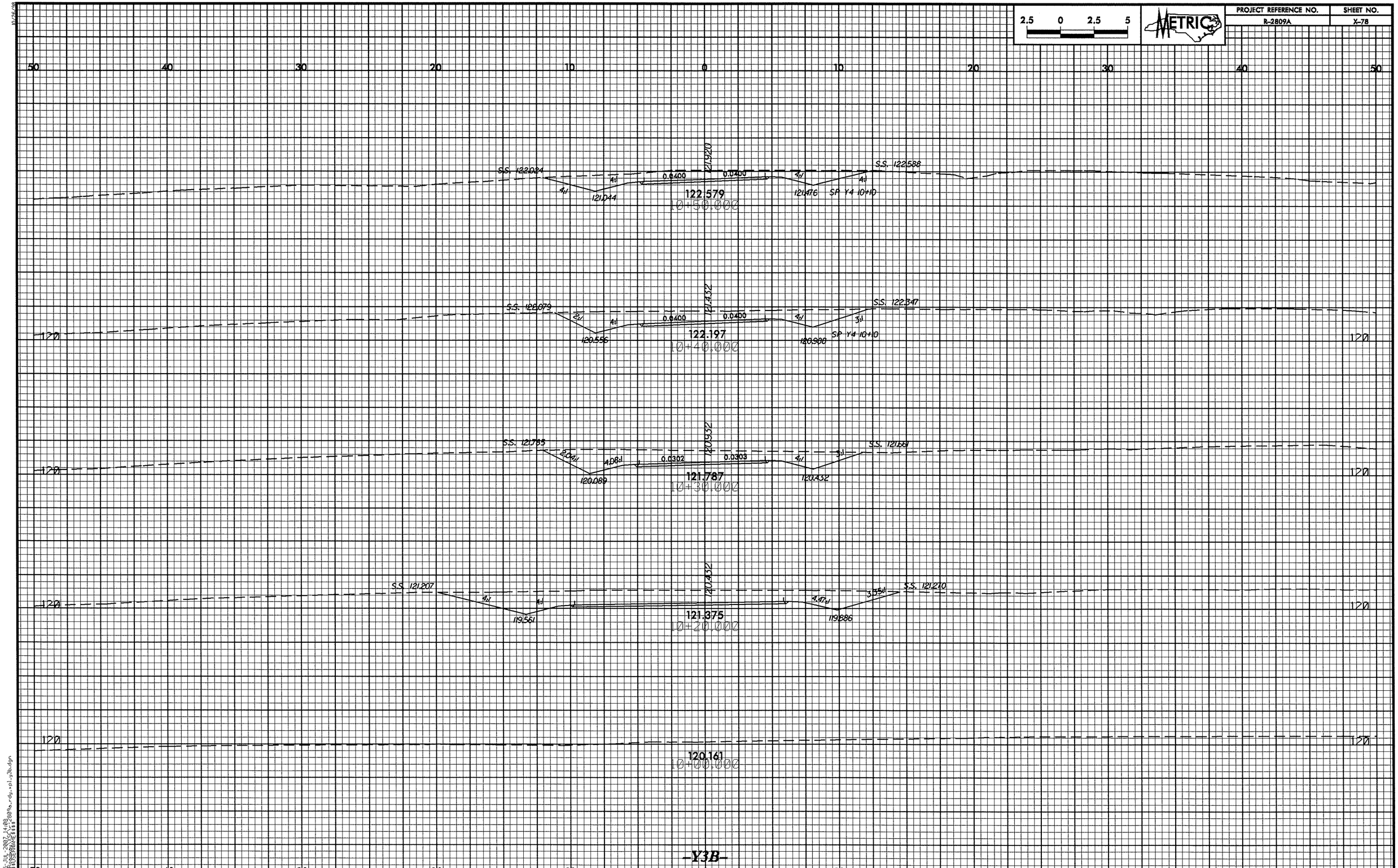
-YS-



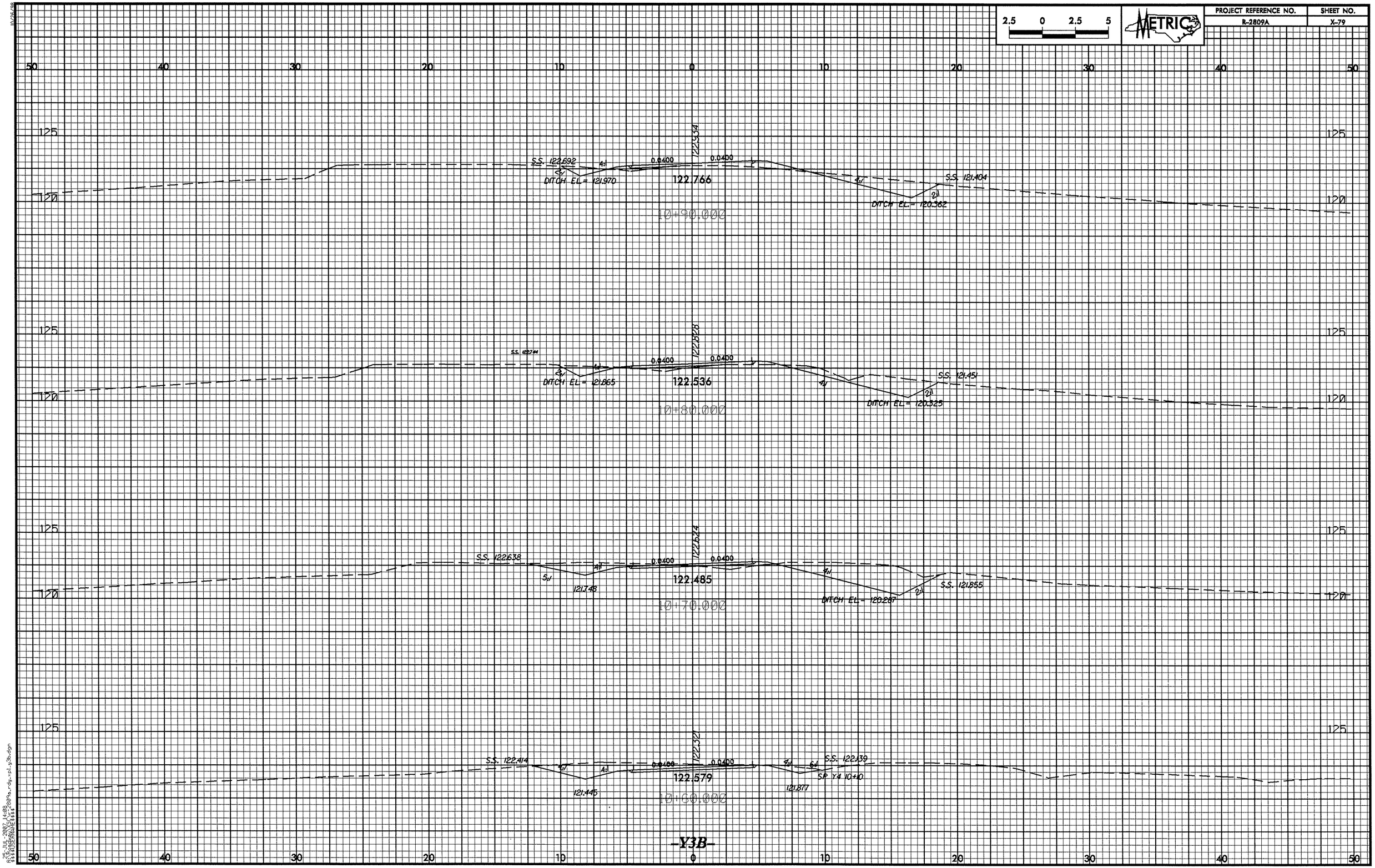
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-76
50 40 30 20 10 0 10 20 30 40 50
120
0.0600
121.65
121.52
12+50.000
0.0500
121.42
121.29
12+40.000
0.0400
121.40
120.96
12+30.000
0.0400
120.79
120.57
12+20.000
0.0400
119.94
119.05
12+00.000
-Y5-



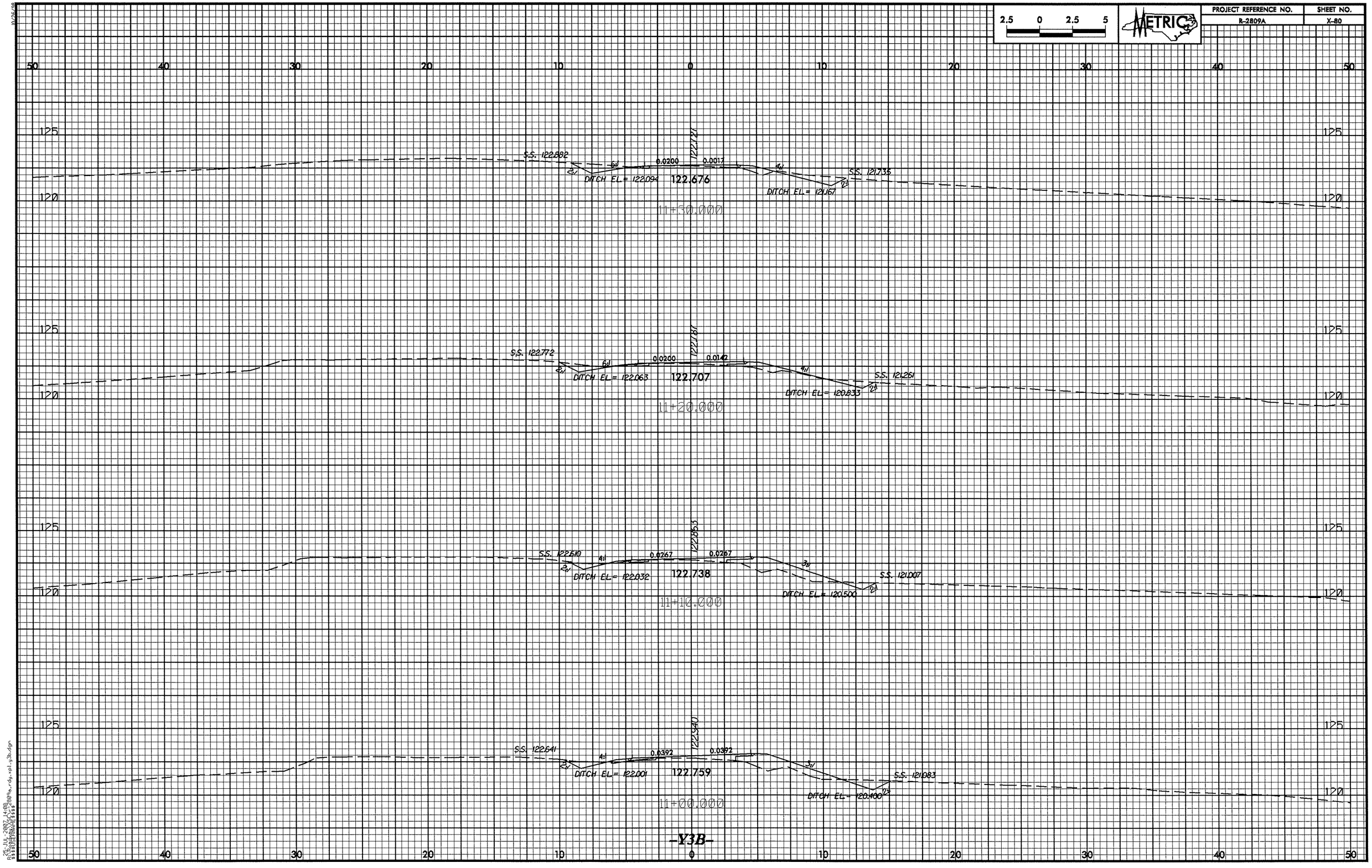
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-77
50 40 30 20 10 0 10 20 30 40 50
120
122.43
13+00.000
122.19
12+80.000
122.01
12+70.000
121.78
12+60.000
0.0600
0.0600
0.0600
0.0600
-Y5-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-78
50 40 30 20 10 0 10 20 30 40 50
S.S. 122.024
121.920
S.S. 122.588
0.0400
0.0400
4:1
4:1
4:1
4:1
121.044
122.579
10+50.000
121.476
SP Y4 10+10
S.S. 122.079
121.432
S.S. 122.347
2:1
4:1
0.0400
0.0400
4:1
3:1
120.556
122.197
10+40.000
120.988
SP Y4 10+10
120
S.S. 121.785
120.932
S.S. 121.661
2.04:1
4.08:1
0.0302
0.0303
4:1
3:1
120.089
121.787
10+30.000
120.432
S.S. 121.207
120.432
S.S. 121.210
4:1
4:1
4.47:1
3.35:1
119.561
121.375
10+20.000
119.886
120.161
10+00.000
-Y3B-

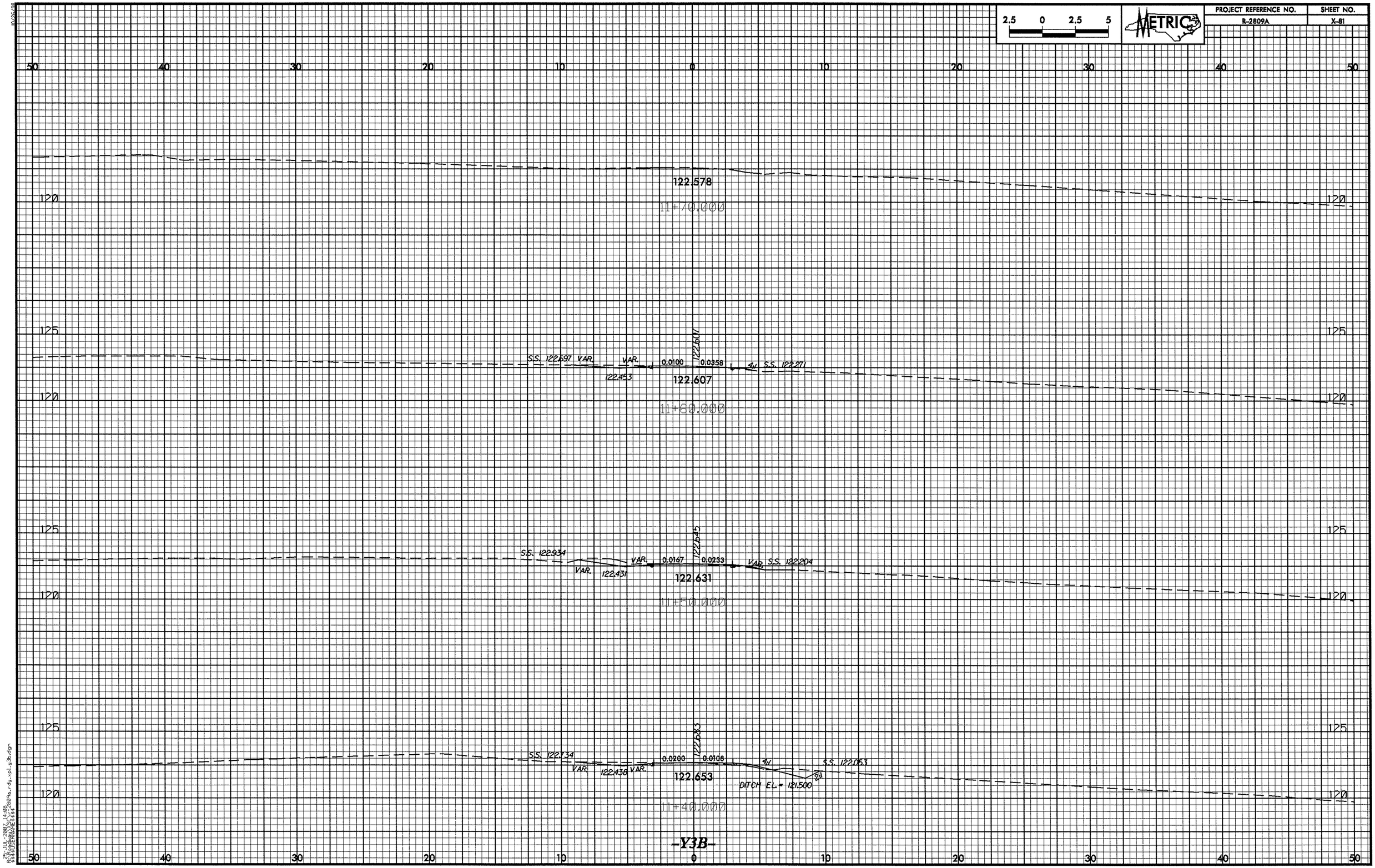


2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-79
50 40 30 20 10 0 10 20 30 40 50
125
120
S.S. 122.692
4:1
0.0400
0.0400
122.934
DITCH EL = 121.970
122.766
4:1
S.S. 121.404
2:1
DITCH EL = 120.362
10+90.000
S.S. 122.744
122.828
DITCH EL = 121.865
122.536
S.S. 121.451
DITCH EL = 120.325
10+80.000
S.S. 122.638
122.624
5:1
121.748
122.485
DITCH EL = 120.287
S.S. 121.855
10+70.000
S.S. 122.414
122.321
121.445
122.579
121.877
S.S. 122.139
SP Y4 10+10
10+60.000
-Y3B-

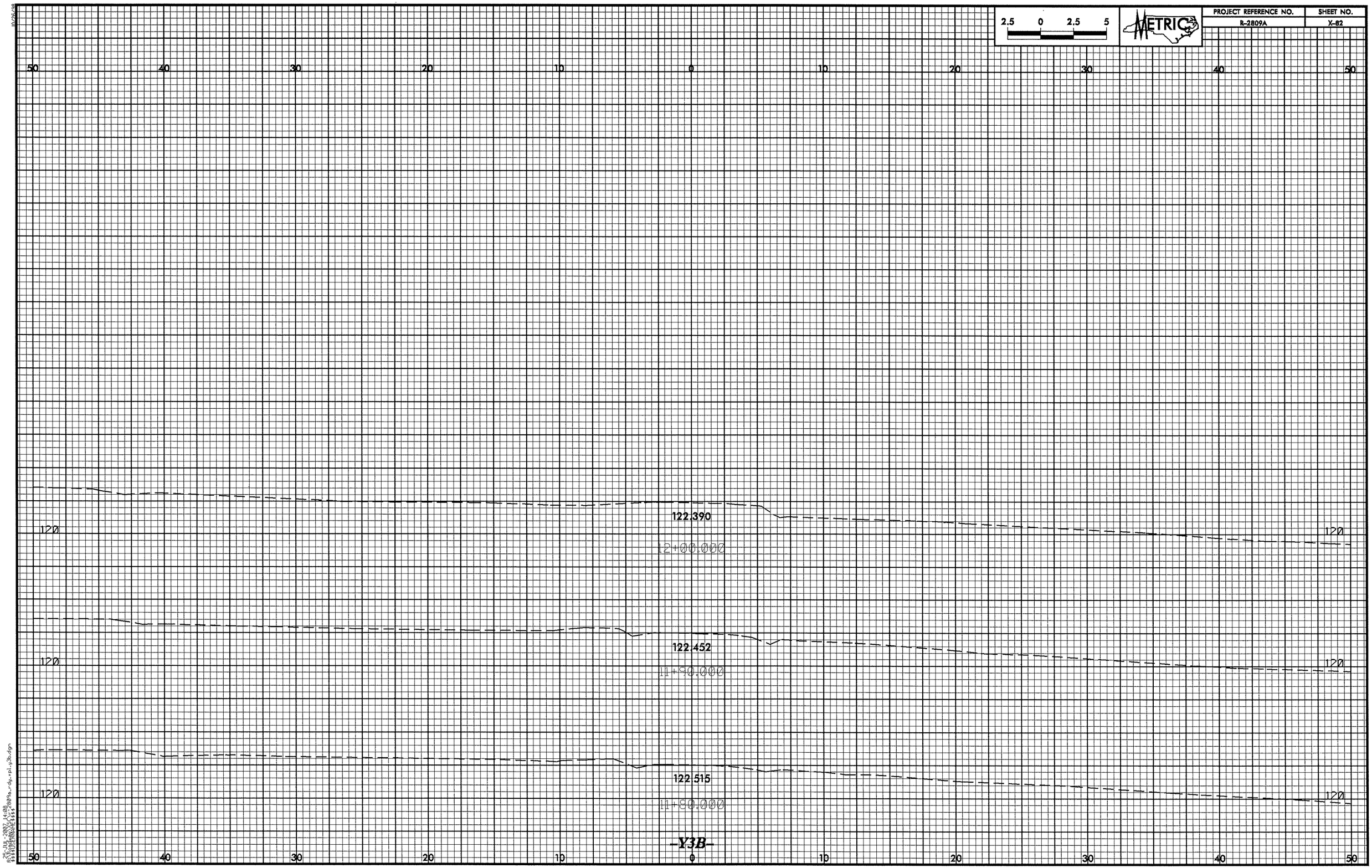


2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-80
50 40 30 20 10 0 10 20 30 40 50
125
120
S.S. 122.882
122.721
0.0200
0.0017
DITCH EL= 122.094
122.676
DITCH EL= 121.167
S.S. 121.735
11+30.000
S.S. 122.772
122.781
0.0200
0.0142
DITCH EL= 122.063
122.707
DITCH EL= 120.833
S.S. 121.261
11+20.000
S.S. 122.610
122.853
0.0267
0.0267
DITCH EL= 122.032
122.738
DITCH EL= 120.500
S.S. 121.007
11+10.000
S.S. 122.641
122.940
0.0392
0.0392
DITCH EL= 122.001
122.759
DITCH EL= 120.400
S.S. 121.083
11+00.000

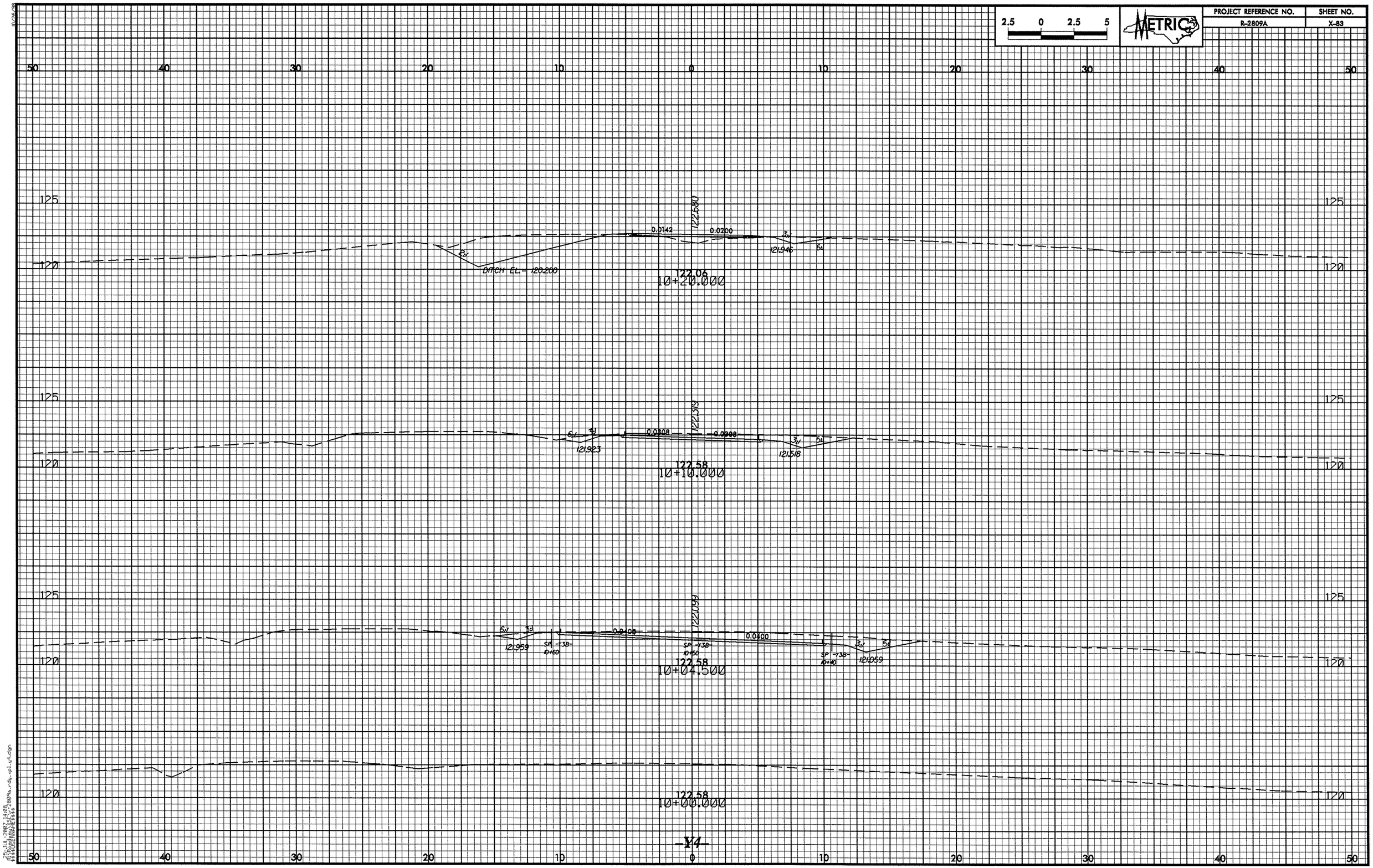
-Y3B-



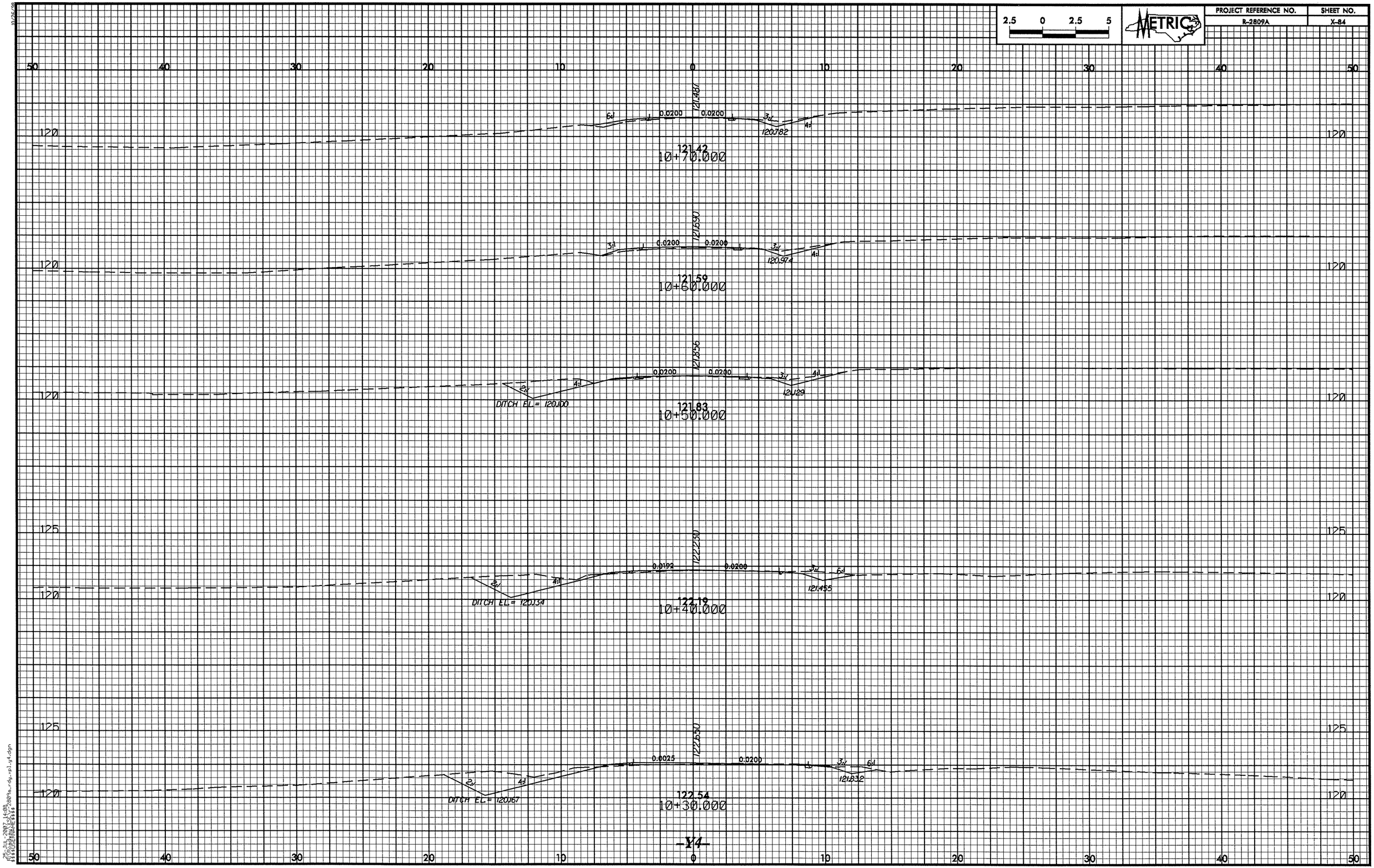
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-81
50 40 30 20 10 0 10 20 30 40 50
120
125
122.578
11+70.000
S.S. 122.697 VAR.
VAR.
122.453
0.0100
122.607
0.0358
4:1
S.S. 122.271
122.607
11+60.000
S.S. 122.934
VAR.
122.431
VAR.
0.0167
122.645
0.0233
VAR.
S.S. 122.204
122.631
11+50.000
S.S. 122.734
VAR.
122.438
VAR.
0.0200
122.683
0.0108
4:1
S.S. 122.053
2:1
DITCH EL = 121.500
122.653
11+40.000
-Y3B-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-82
50 40 30 20 10 0 10 20 30 40 50
120
122.390
12+00.000
122.452
11+90.000
122.515
11+80.000
-Y3B-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-83
50 40 30 20 10 0 10 20 30 40 50
125
120
122.680
0.0142
0.0200
121.946
DITCH EL - 120.200
122.06
10+20.000
122.319
0.0308
0.0308
121.923
121.518
122.58
10+10.000
122.099
0.0400
0.0400
121.959
SP -Y3B- 10+50
121.059
122.58
10+04.500
122.58
10+00.000
-Y4-



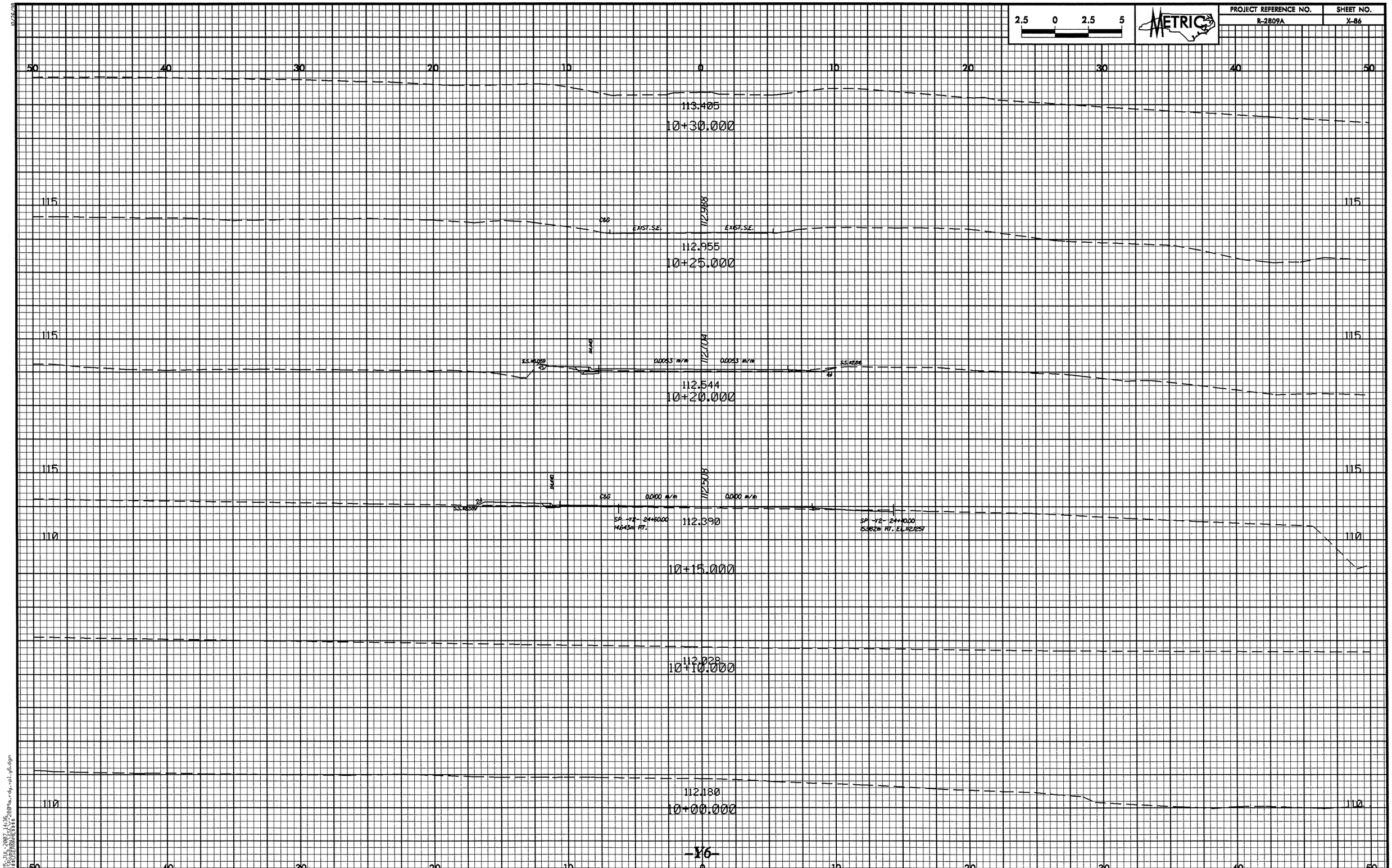
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-84
121.481
0.0200
0.0200
6:1
3:1
4:1
120.782
121.42
10+70.000
121.690
0.0200
0.0200
3:1
3:1
4:1
120.974
121.59
10+60.000
121.856
0.0200
0.0200
2:1
4:1
3:1
4:1
DITCH EL = 120.100
121.129
121.83
10+50.000
122.230
0.0192
0.0200
2:1
4:1
3:1
6:1
DITCH EL = 120.134
121.455
122.19
10+40.000
122.650
0.0025
0.0200
2:1
4:1
3:1
6:1
DITCH EL = 120.167
121.832
122.54
10+30.000
-Y4-

PROJECT REFERENCE NO.	SHEET NO.
R-2809A	X-85

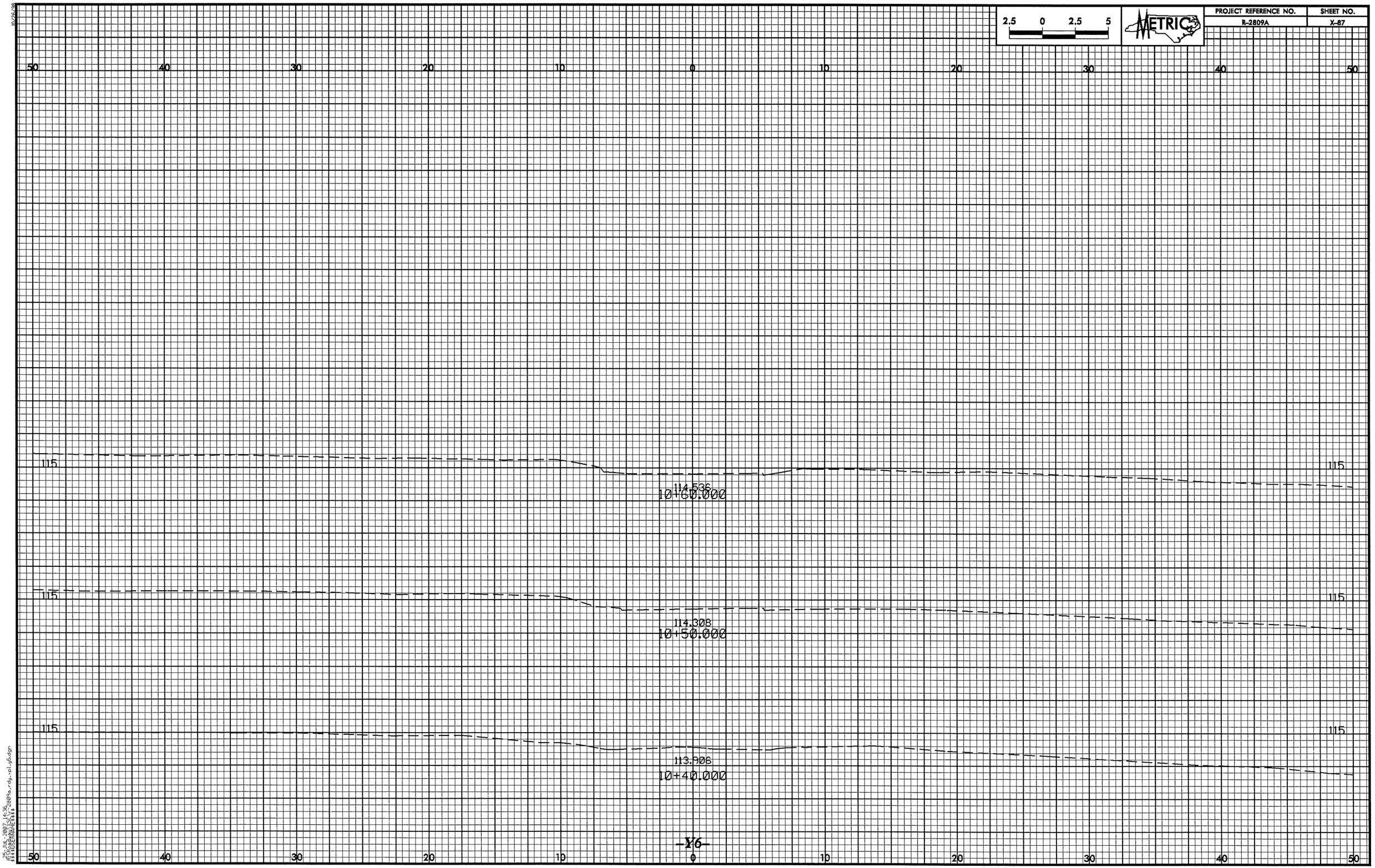
METRIC

10/26/98

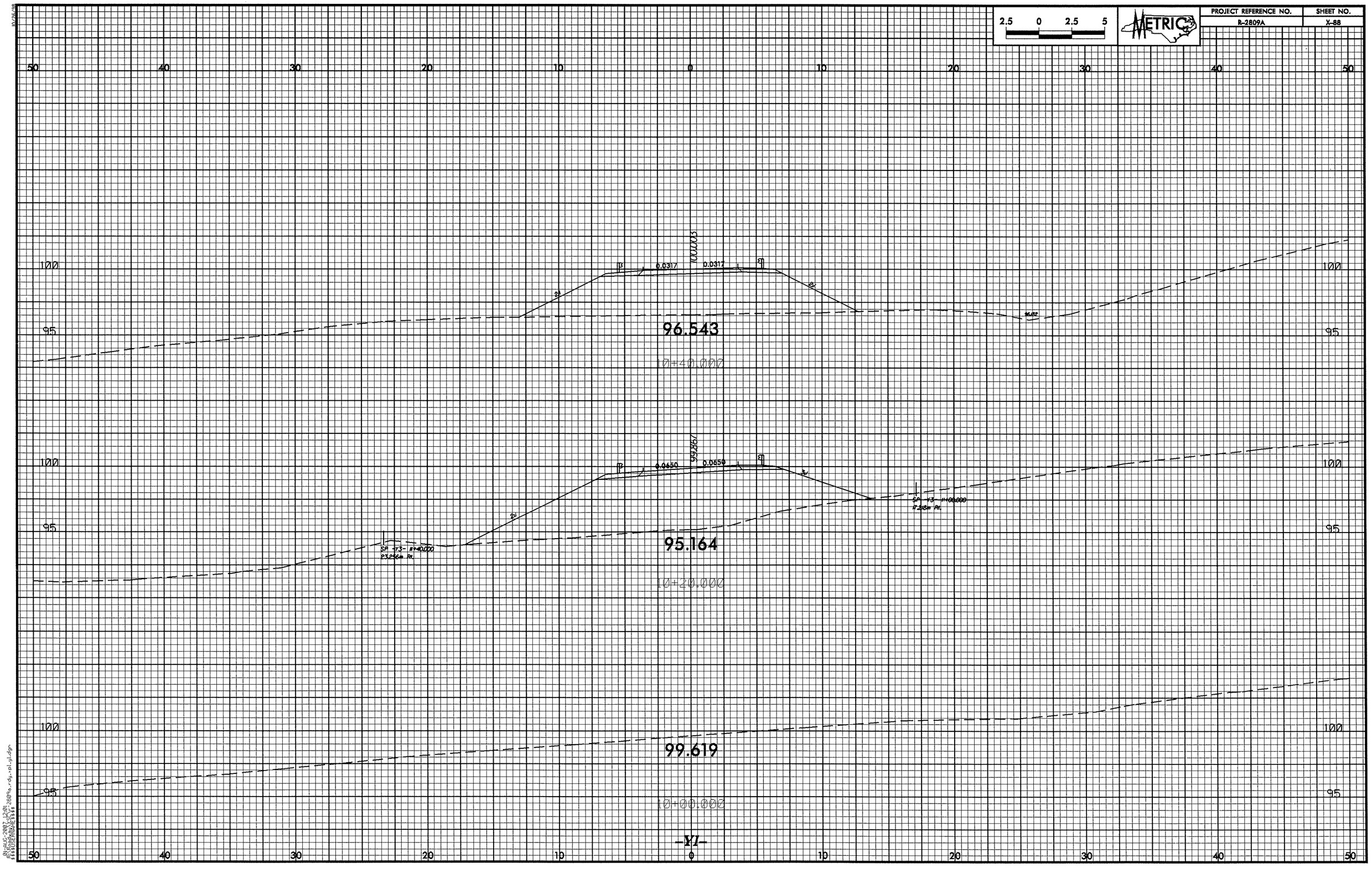
25-JUL-2007 14:08
R:\Roadway\XSC\r-2809a_rdy_xpl_y4.dgn
$$$$USERNAME$$$$



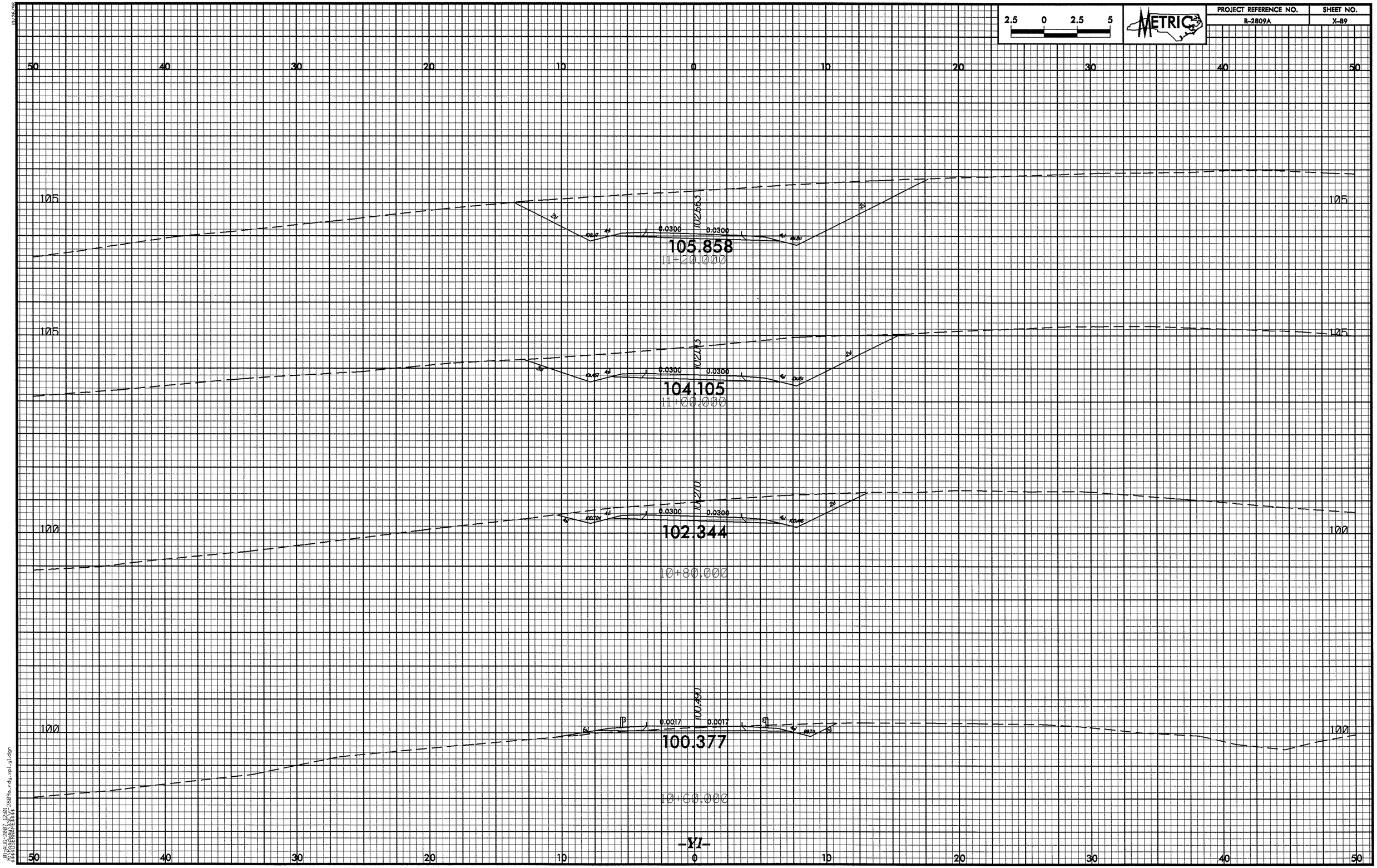
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-86
113.405
10+30.000
112.988
EXIST. S.E.
EXIST. S.E.
112.955
10+25.000
112.704
0.0053 m/m
0.0053 m/m
112.544
10+20.000
112.508
0.0100 m/m
0.0100 m/m
SP -Y2- 24+60.00
14.643m RT.
112.390
SP -Y2- 24+40.00
15.962m RT. EL.112.1251
10+15.000
112.028
10+10.000
112.180
10+00.000
-Y6-



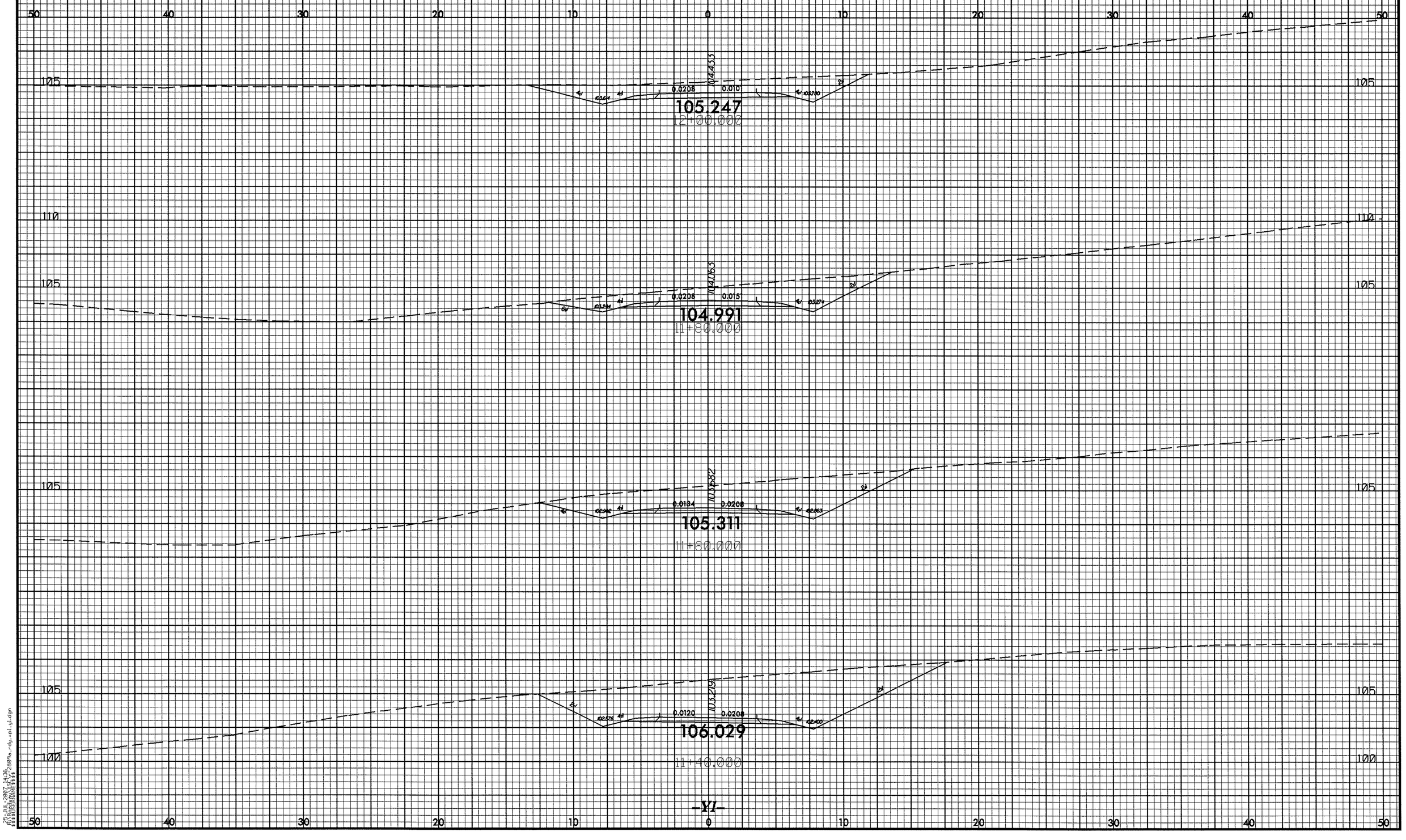
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-87
50 40 30 20 10 0 10 20 30 40 50
115
114.536
10+60.000
114.308
10+50.000
113.906
10+40.000
-Y6-



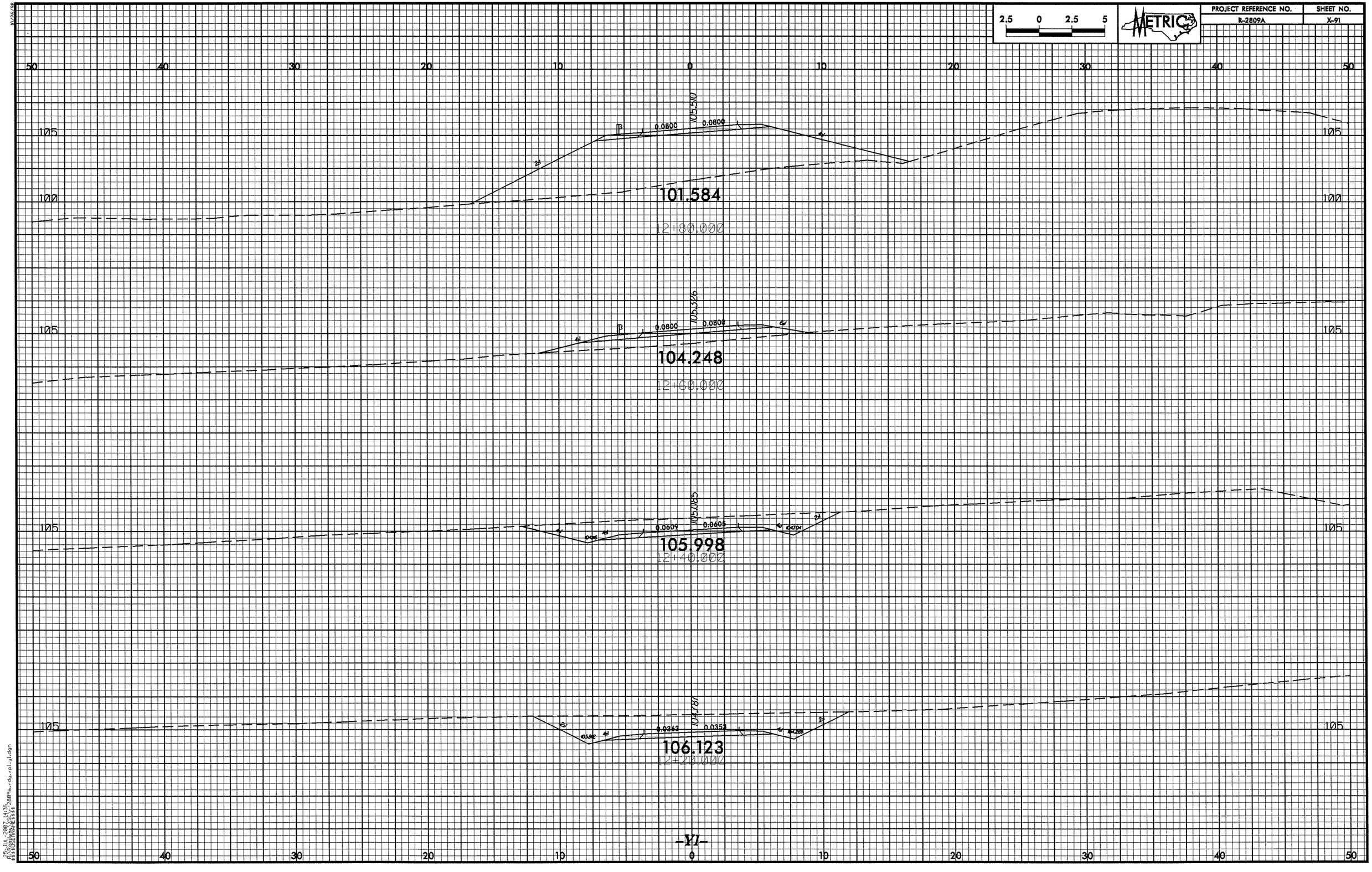
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-88
50 40 30 20 10 0 10 20 30 40 50
100
95
0.0317
0.0317
100.003
96.543
10+40.000
0.0650
0.0650
99.867
95.164
10+20.000
99.619
10+00.000
-Y1-



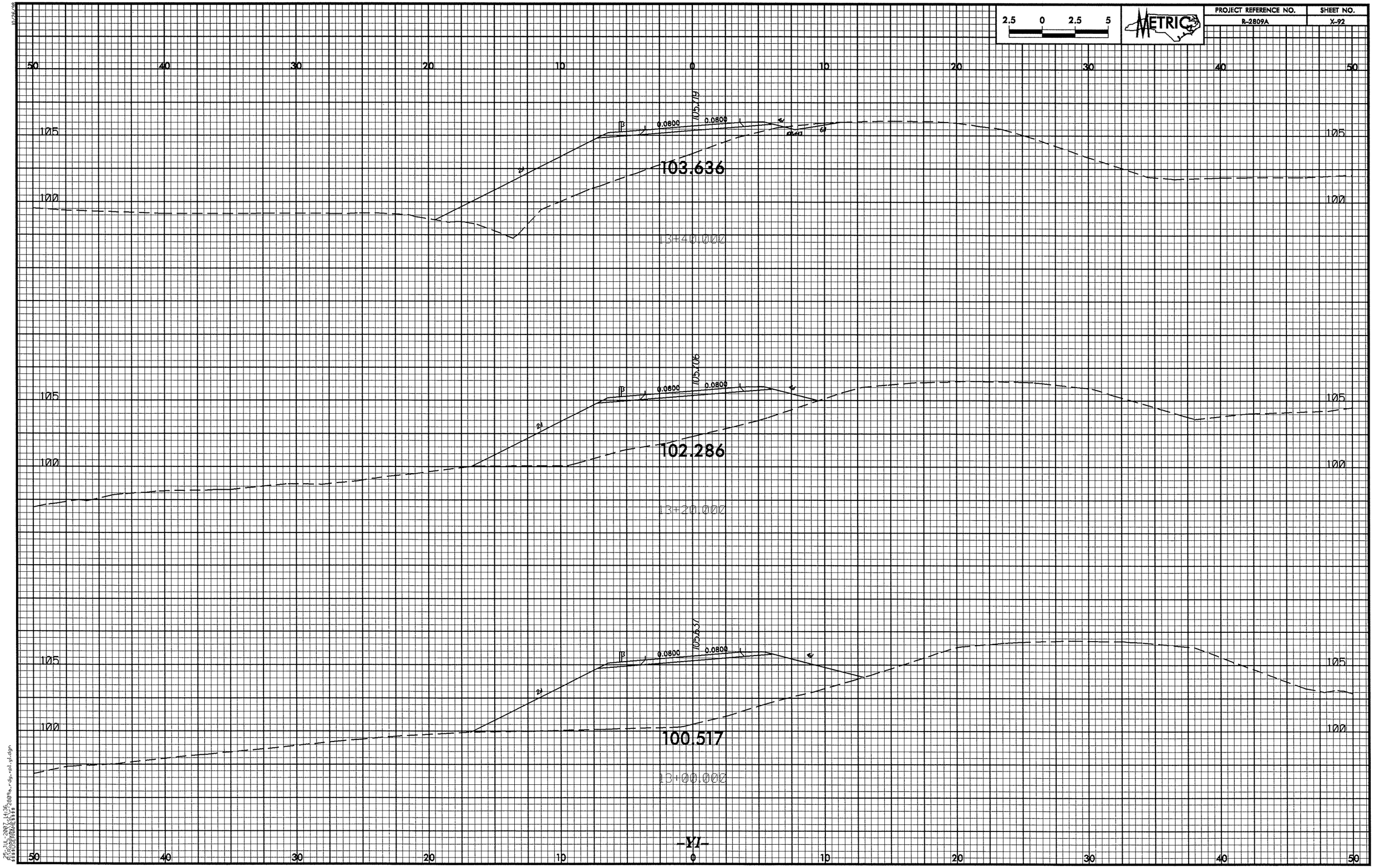
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-89
50 40 30 20 10 0 10 20 30 40 50
105
0.0300
0.0300
105.858
11+20.000
104.105
11+00.000
102.344
10+80.000
100
0.0017
0.0017
100.377
10+60.000
-Y1-



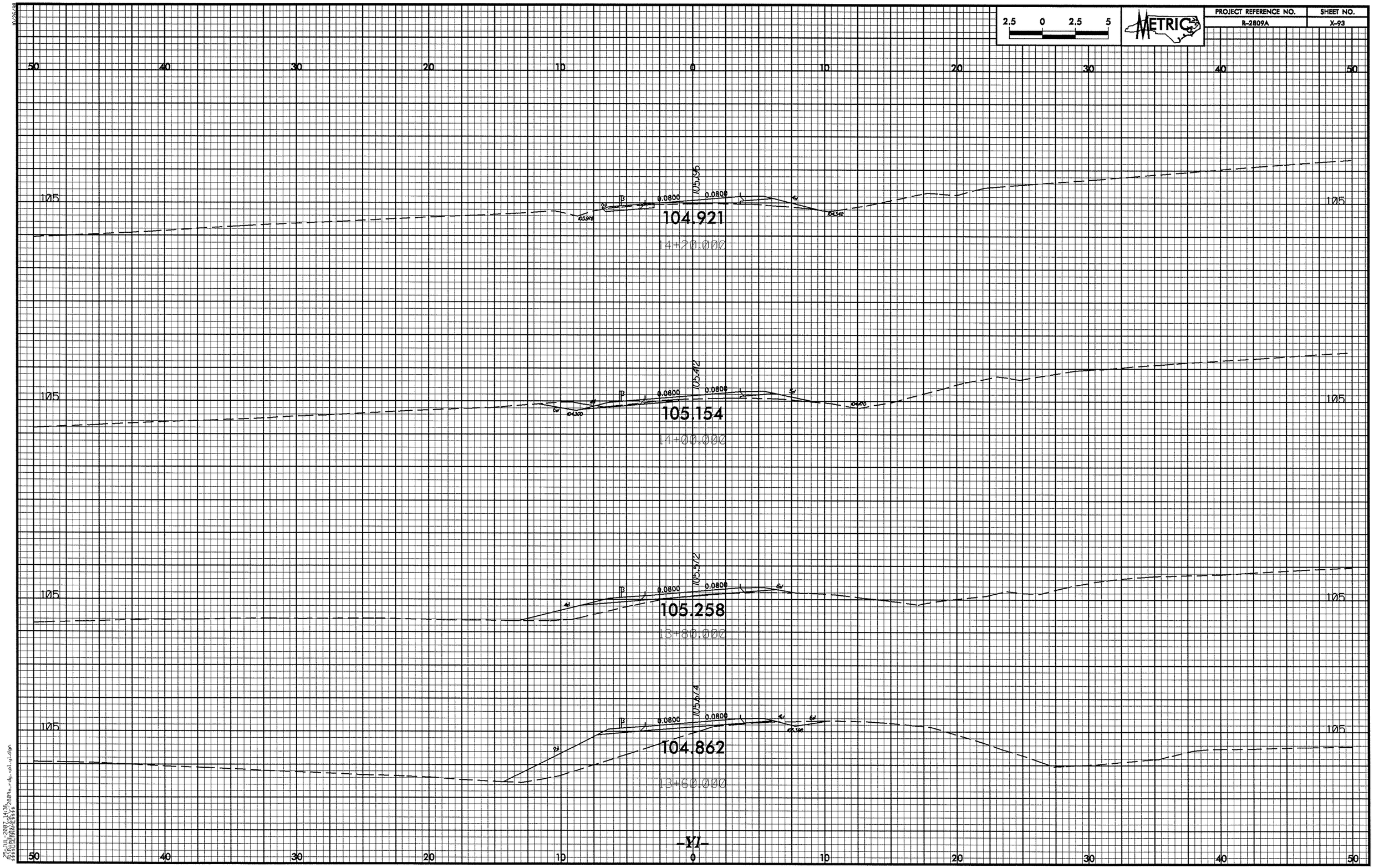
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-90
50 40 30 20 10 0 10 20 30 40 50
105
110
105
105
105
100
104.433
0.0208
0.010
105.247
12+00.000
104.063
0.0208
0.015
104.991
11+80.000
103.682
0.0134
0.0208
105.311
11+60.000
103.219
0.0120
0.0208
106.029
11+40.000
-YI-



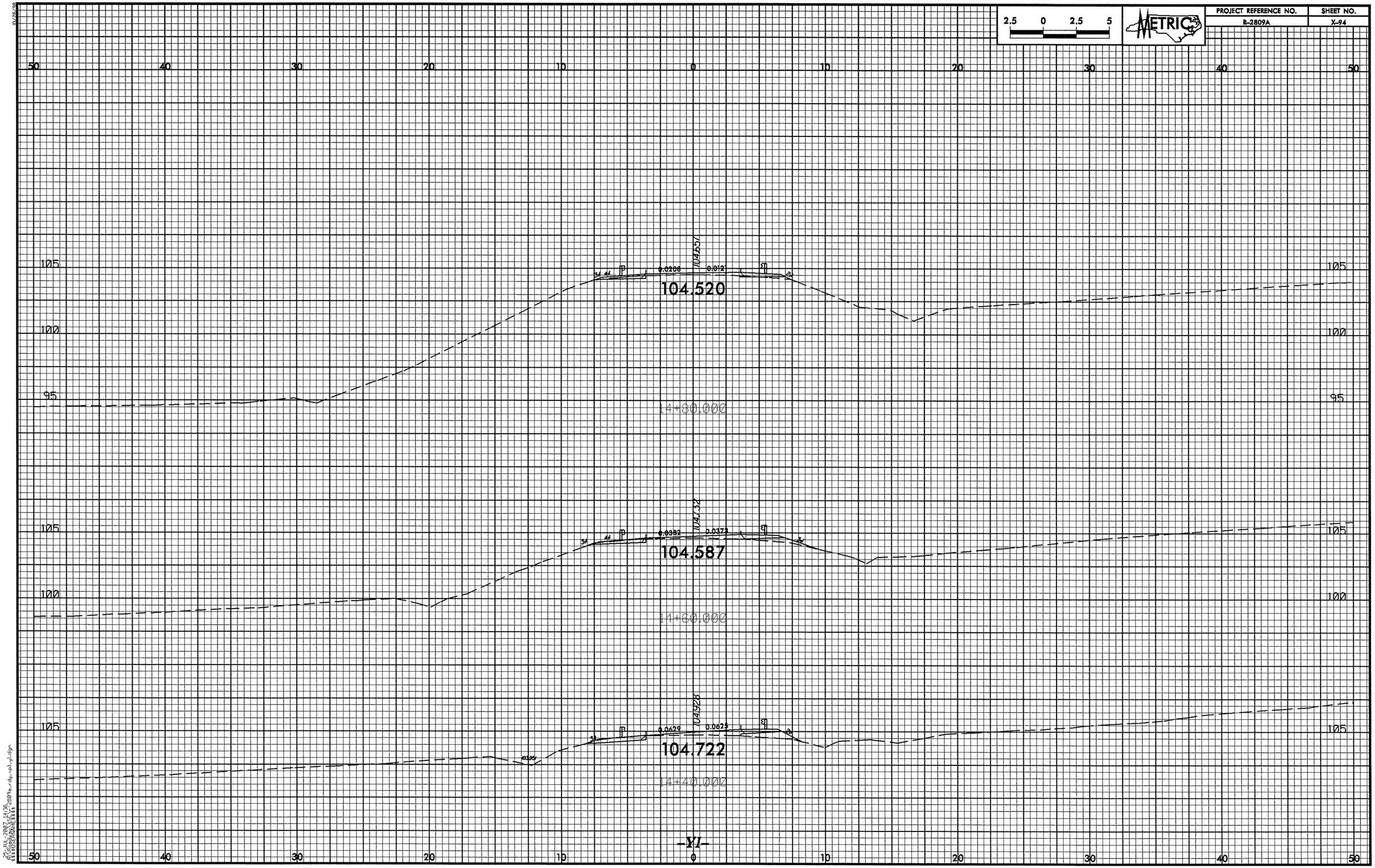
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-91
50 40 30 20 10 0 10 20 30 40 50
105
100
105.510
0.0800
0.0800
101.584
12+80.000
105.326
0.0800
0.0800
104.248
12+60.000
105.085
0.0609
0.0605
105.998
12+40.000
104.781
0.0363
0.0353
106.123
12+20.000
-Y1-



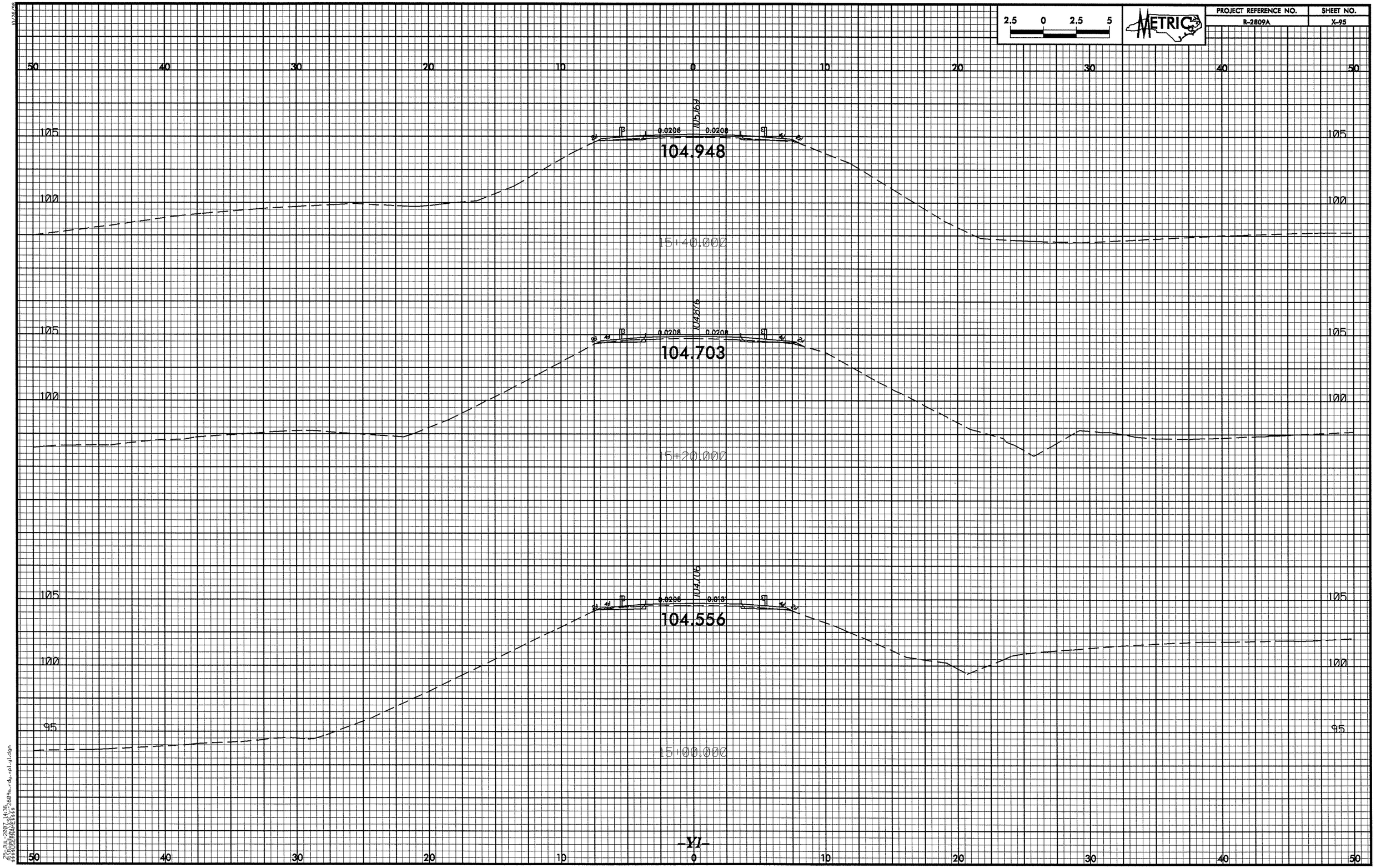
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-92
50 40 30 20 10 0 10 20 30 40 50
105
100
105.719
0.0800
0.0800
103.636
13+40.000
105.706
0.0800
0.0800
102.286
13+20.000
105.637
0.0800
0.0800
100.517
13+00.000
-YI-



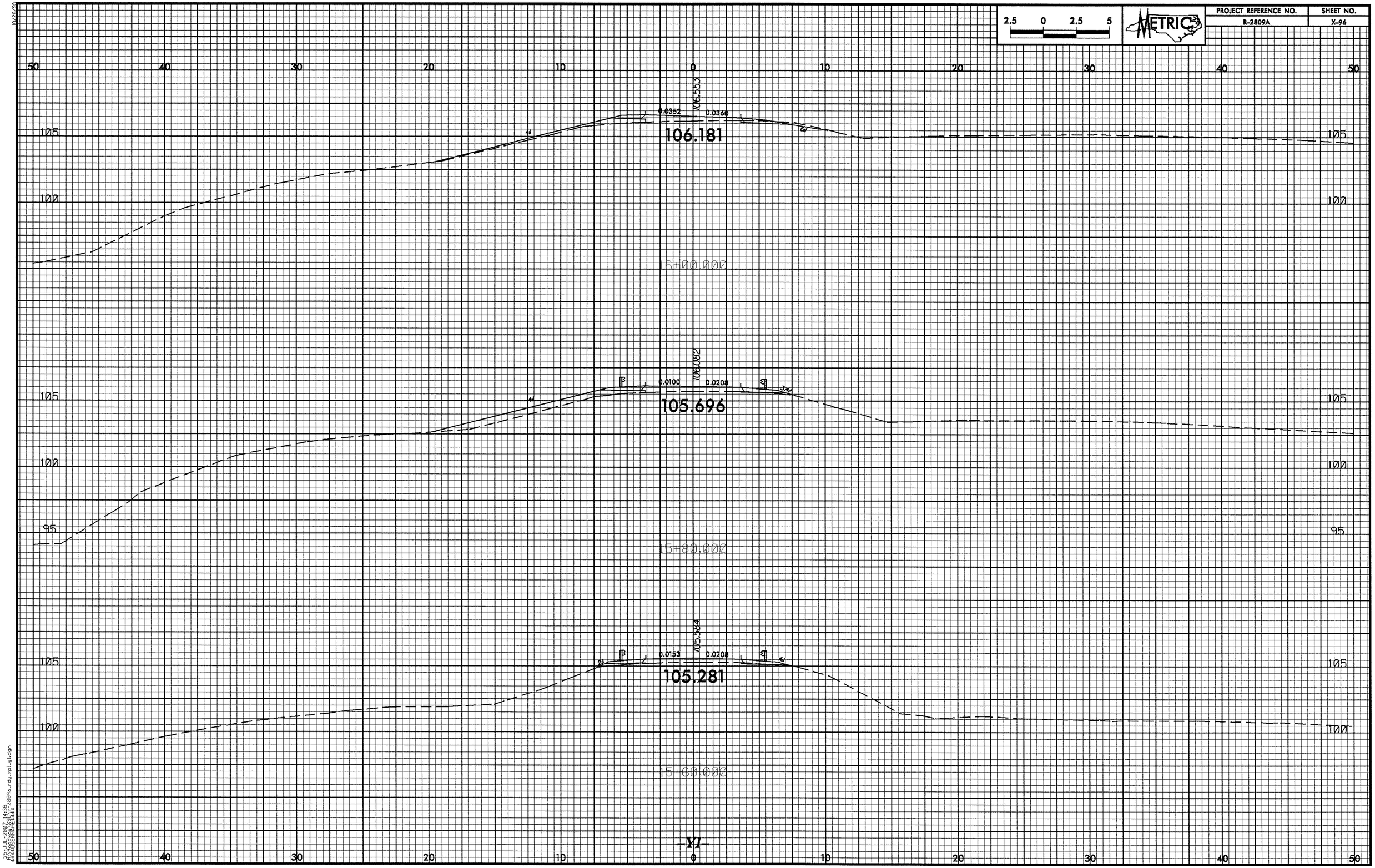
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-93
50 40 30 20 10 0 10 20 30 40 50
105
105.196
0.0800
0.0800
104.921
14+20.000
105.412
105.154
14+00.000
105.572
105.258
13+80.000
105.614
104.862
13+60.000
-Y1-



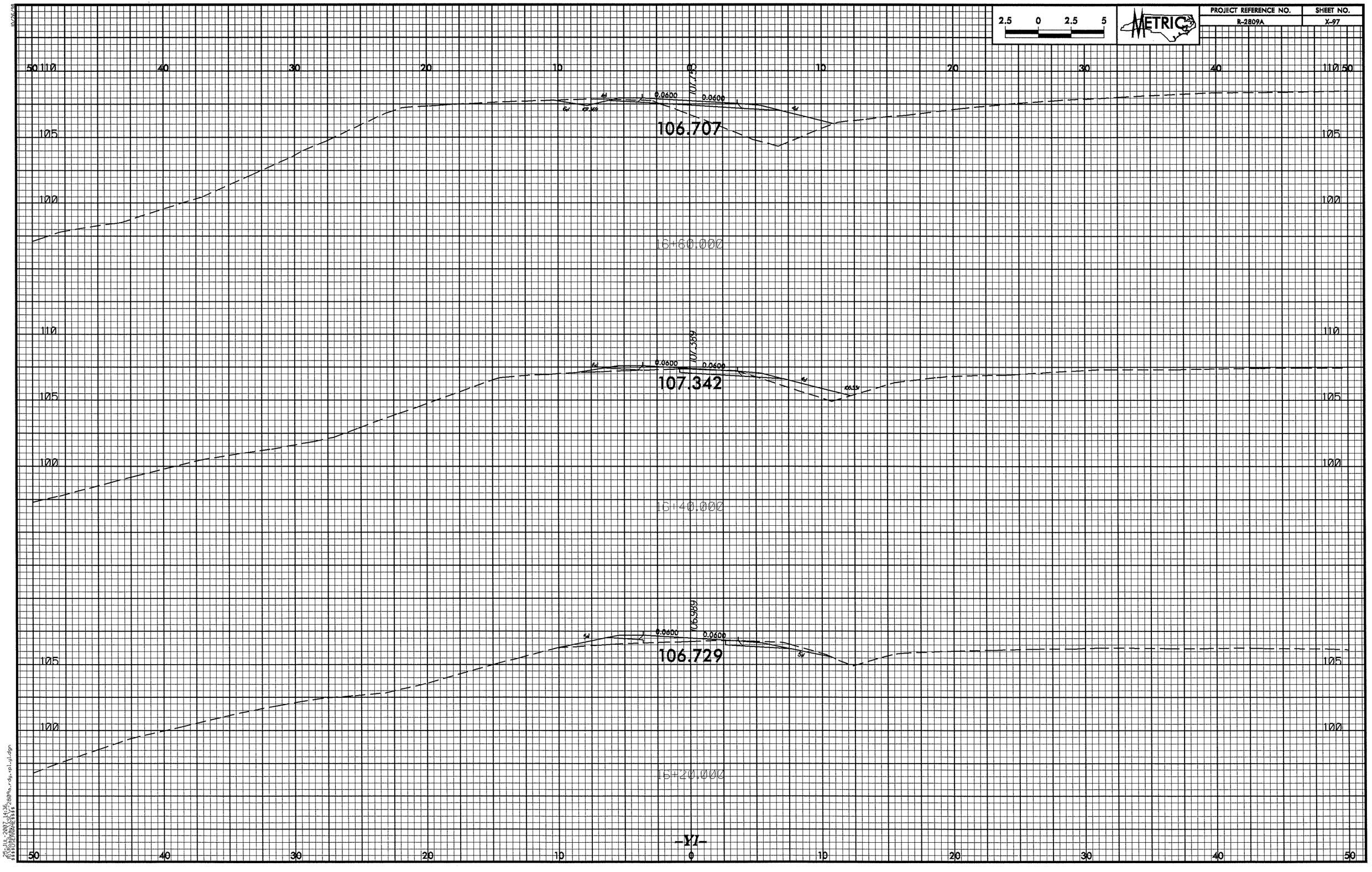
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-94
50 40 30 20 10 0 10 20 30 40 50
105
100
95
104.657
0.0206
0.0121
104.520
14+80.000
104.132
0.0382
0.0373
104.587
14+60.000
104.928
0.0629
0.0625
104.722
14+40.000
-Y1-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-95
50 40 30 20 10 0 10 20 30 40 50
105
100
95
105.169
0.0208
0.0208
104.948
15+40.000
104.876
0.0208
0.0208
104.703
15+20.000
104.706
0.0208
0.0131
104.556
15+00.000
-Y1-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-96
50 40 30 20 10 0 10 20 30 40 50
105
100
95
106.553
0.0352
0.0360
106.181
16+00.000
106.082
0.0100
0.0208
105.696
15+80.000
105.584
0.0153
0.0208
105.281
15+60.000
-Y1-



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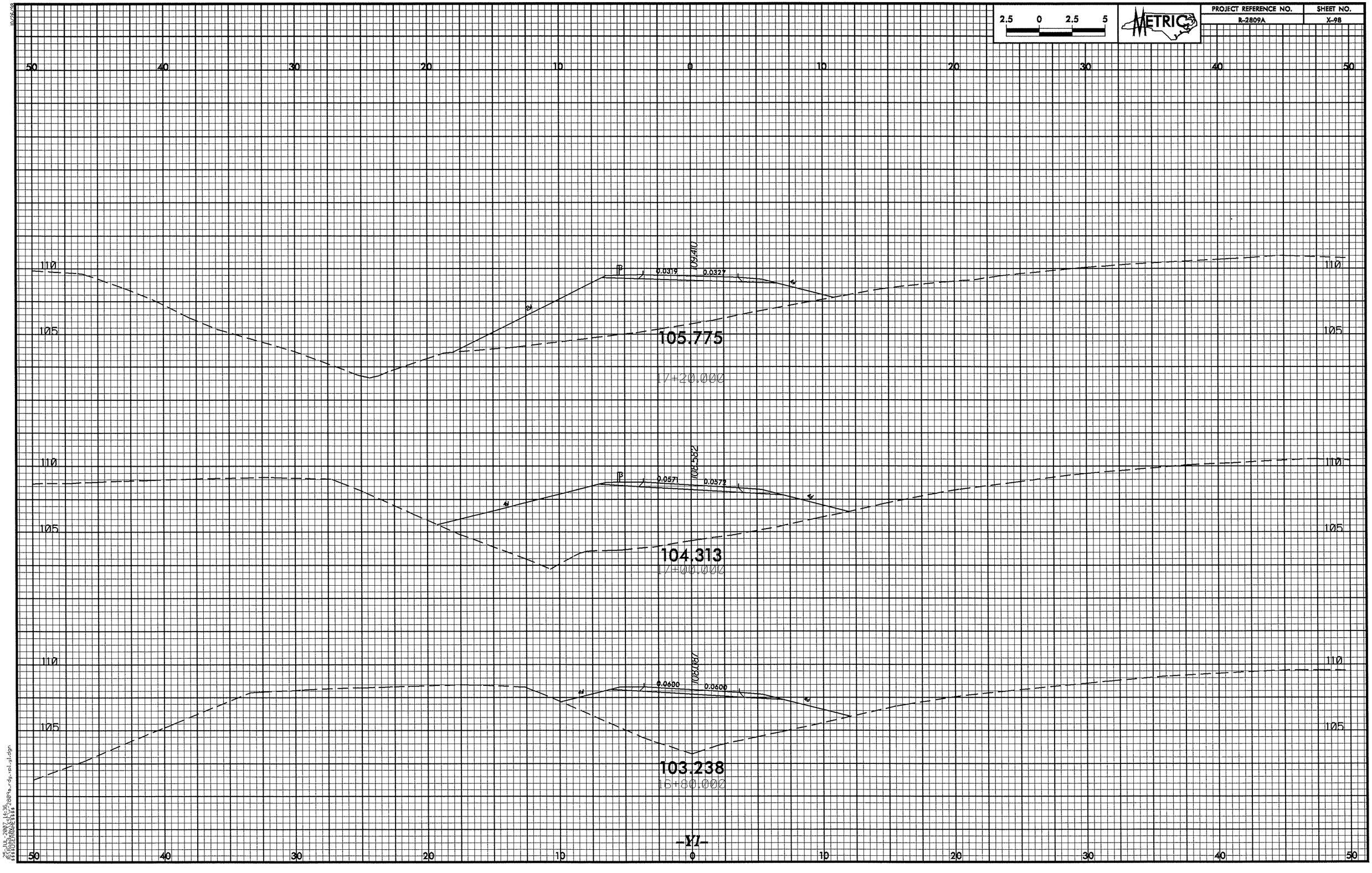
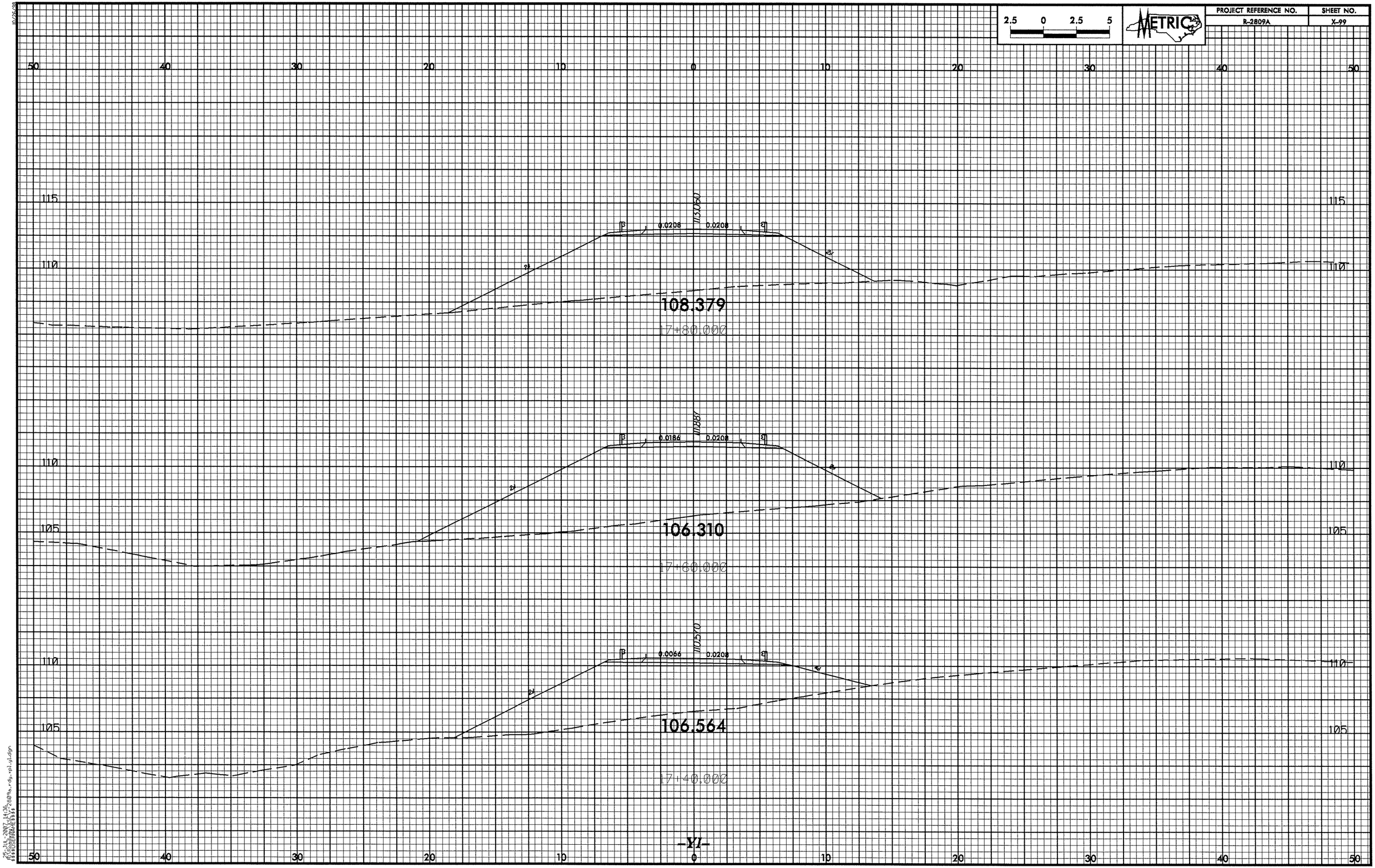
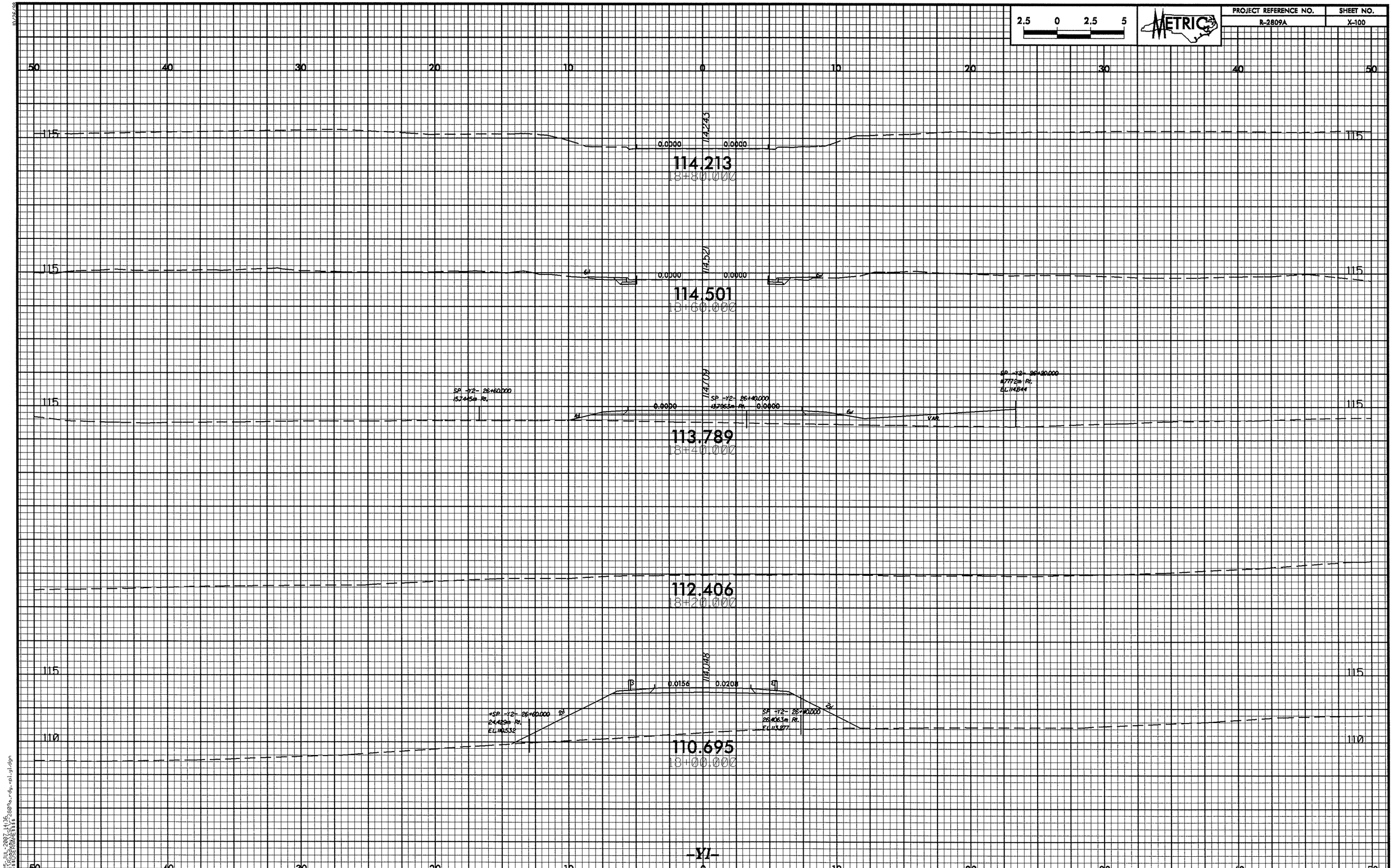


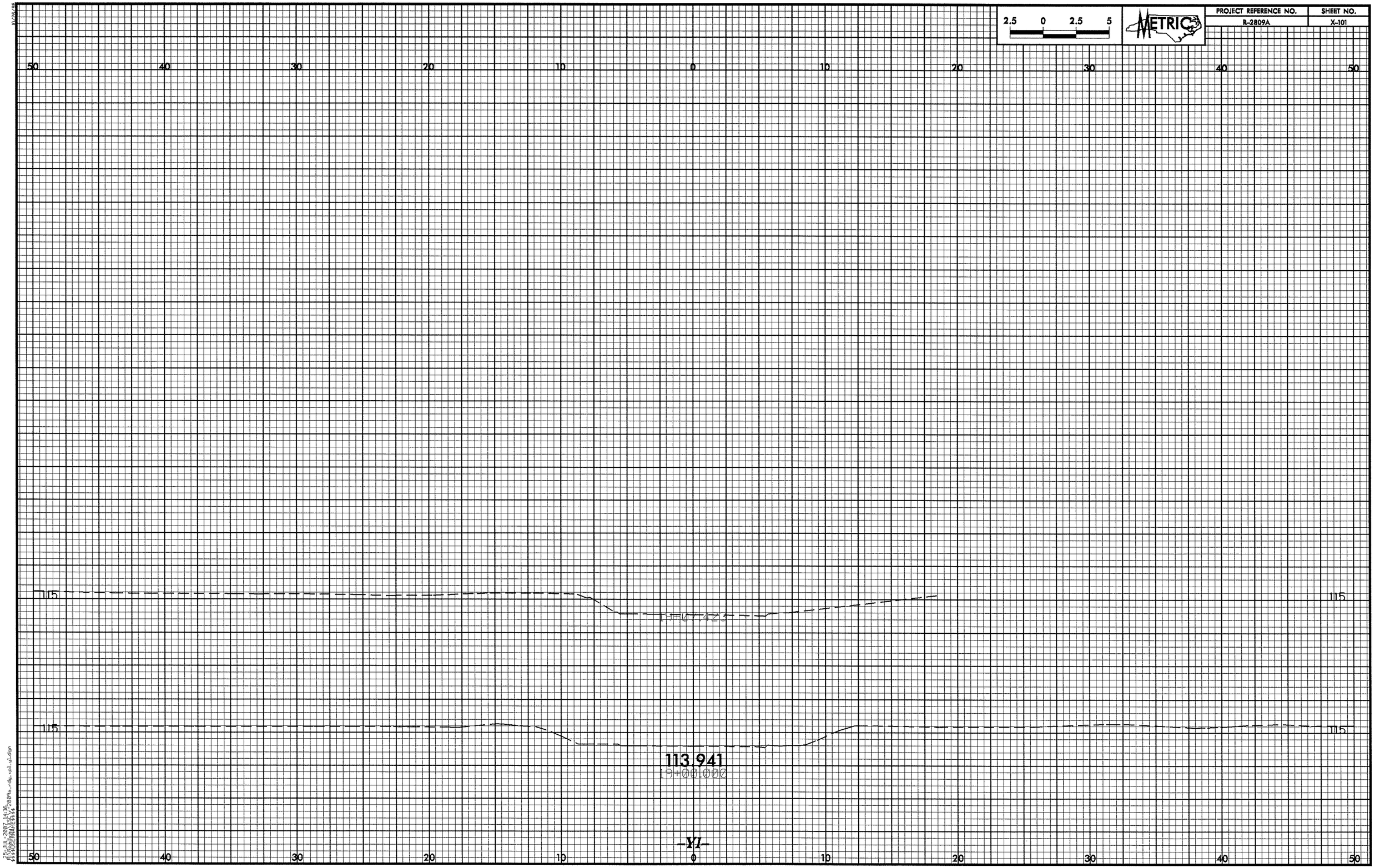
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-9B
50 40 30 20 10 0 10 20 30 40 50
110
105
109.410
0.0319
0.0327
105.775
17+20.000
108.582
0.0571
0.0572
104.313
17+00.000
108.087
0.0600
0.0600
103.238
16+80.000
-Y1-



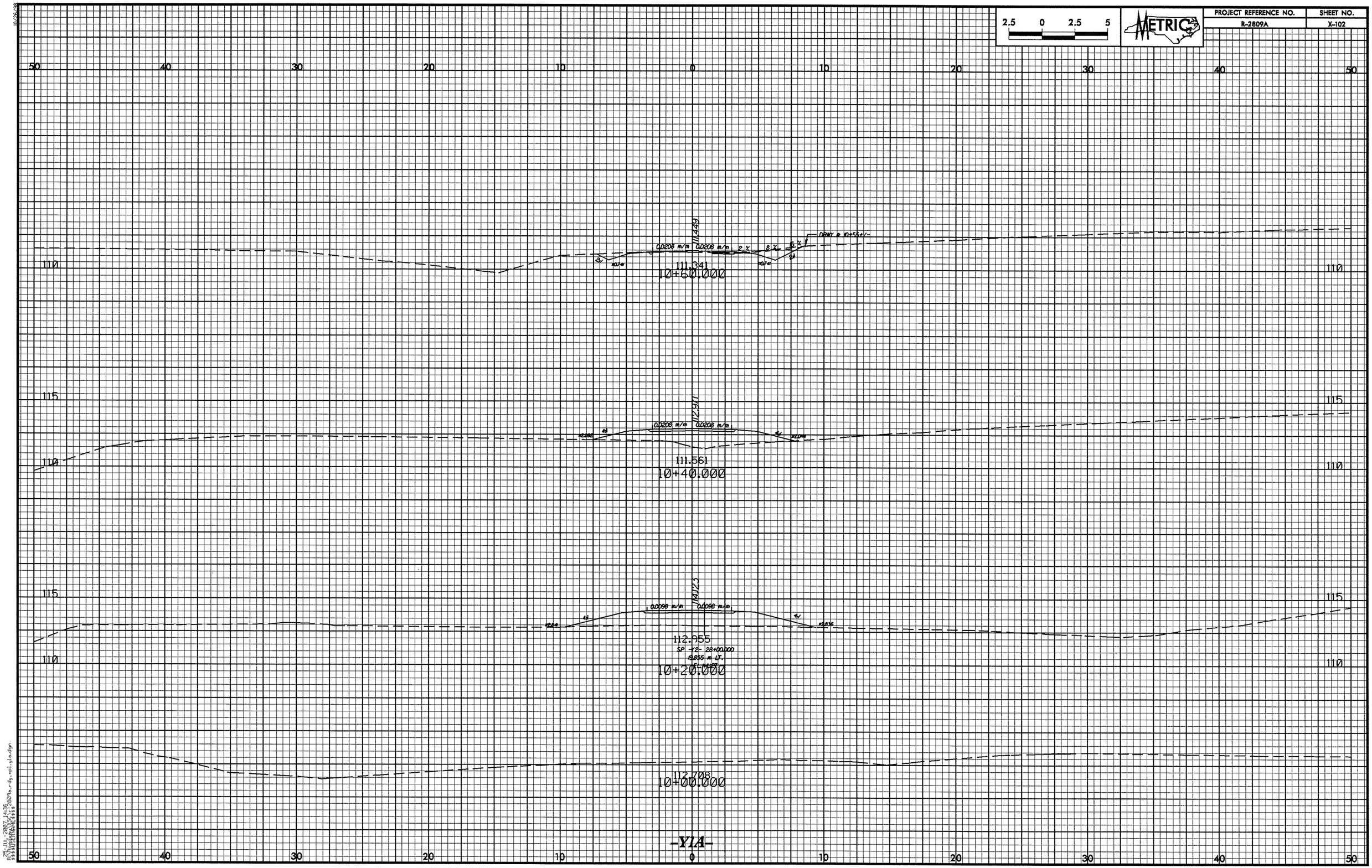
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-99
50 40 30 20 10 0 10 20 30 40 50
115
110
105
0.0208
0.0208
108.379
17+80.000
0.0186
0.0208
106.310
17+60.000
0.0066
0.0208
106.564
17+40.000
-Y1-



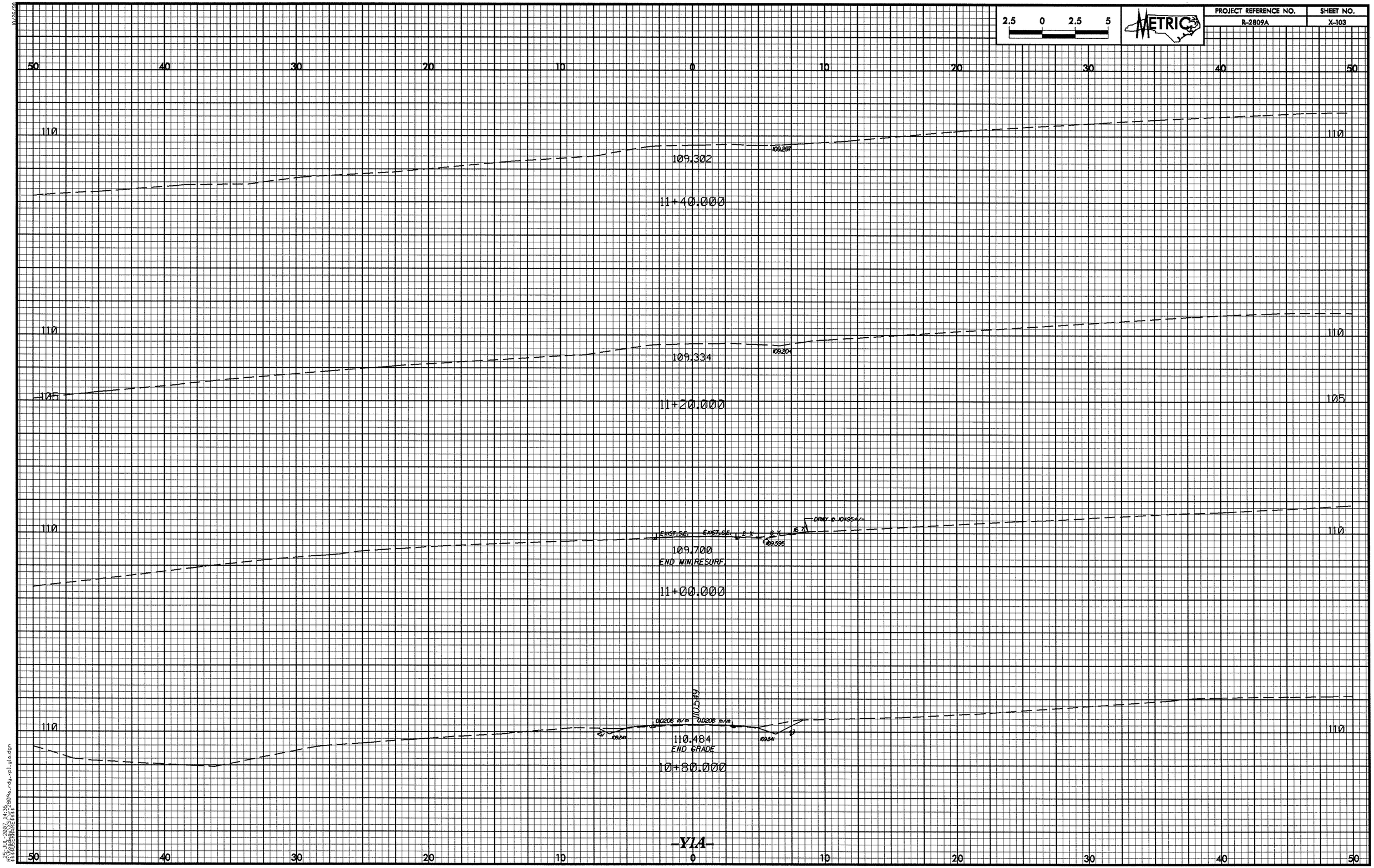
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-100
50 40 30 20 10 0 10 20 30 40 50
115
114.243
0.0000
0.0000
114.213
18+80.000
114.521
114.501
18+60.000
114.709
SP -Y2- 26+60.000
15.7445m Rt.
SP -Y2- 26+40.000
13.7963m Rt.
SP -Y2- 26+20.000
11.7772m Rt.
EL 114.844
VAR.
113.789
18+40.000
112.406
18+20.000
114.048
0.0156
0.0208
SP -Y2- 26+60.000
24.429m Rt.
EL 110.532
SP -Y2- 26+40.000
26.4063m Rt.
EL 113.277
110
110.695
18+00.000
-Y1-



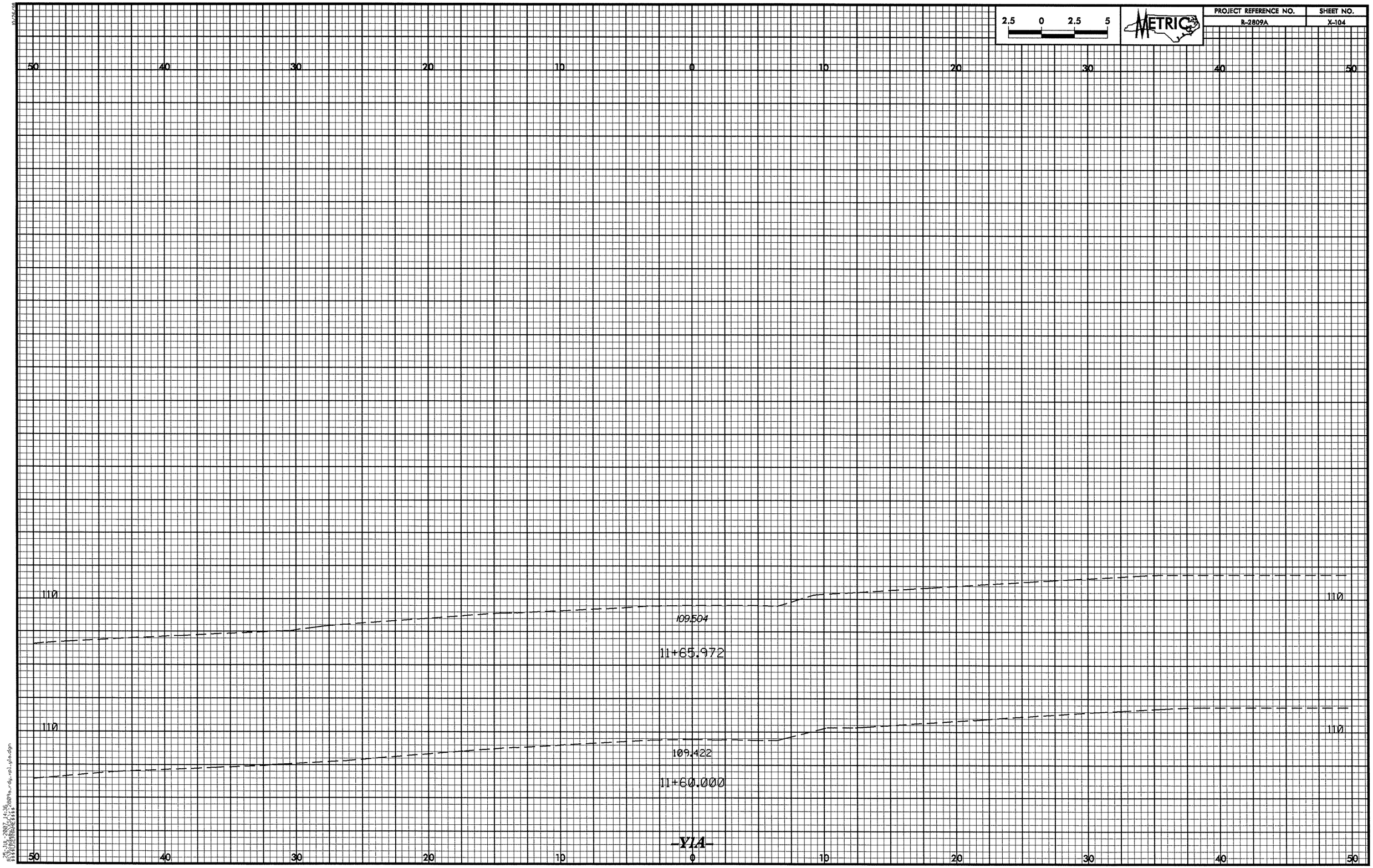
2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-101
50 40 30 20 10 0 10 20 30 40 50
115
19+07.423
113.941
19+00.000
-Y1-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-102
50 40 30 20 10 0 10 20 30 40 50
110
115
111.449
0.0208 m/m
0.0208 m/m
2 %
8 %
5 %
111.341
10+60.000
112.911
0.0208 m/m
0.0208 m/m
111.561
10+40.000
114.123
0.0098 m/m
0.0098 m/m
112.955
SP -Y2- 28+00.000
19.855 m LT.
10+20.000
112.708
10+00.000
-Y1A-



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-103
50 40 30 20 10 0 10 20 30 40 50
110
109.302
109.297
11+40.000
110
109.334
109.204
105
11+20.000
110
EXIST. S.E.
EXIST. S.E.
DRWY @ 10+95+/-
109.595
109.700
END MIN. RESURF.
11+00.000
110
110.549
0.0208 m/m
0.0208 m/m
109.841
109.841
110.484
END GRADE
10+80.000
-Y1A-

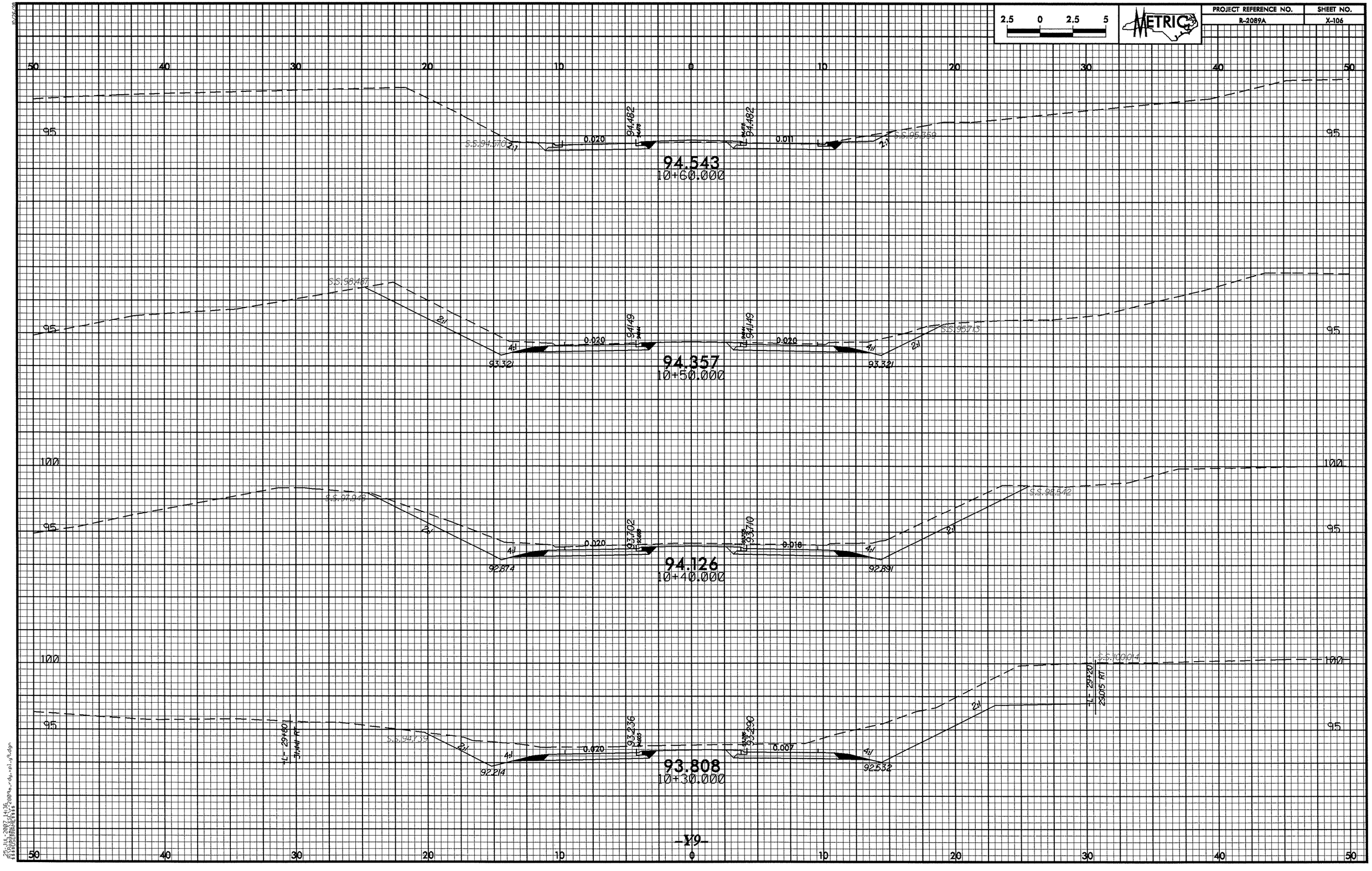


2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2809A
SHEET NO.
X-104
50 40 30 20 10 0 10 20 30 40 50
110
109.504
11+65.972
110
109.422
11+60.000
-Y1A-

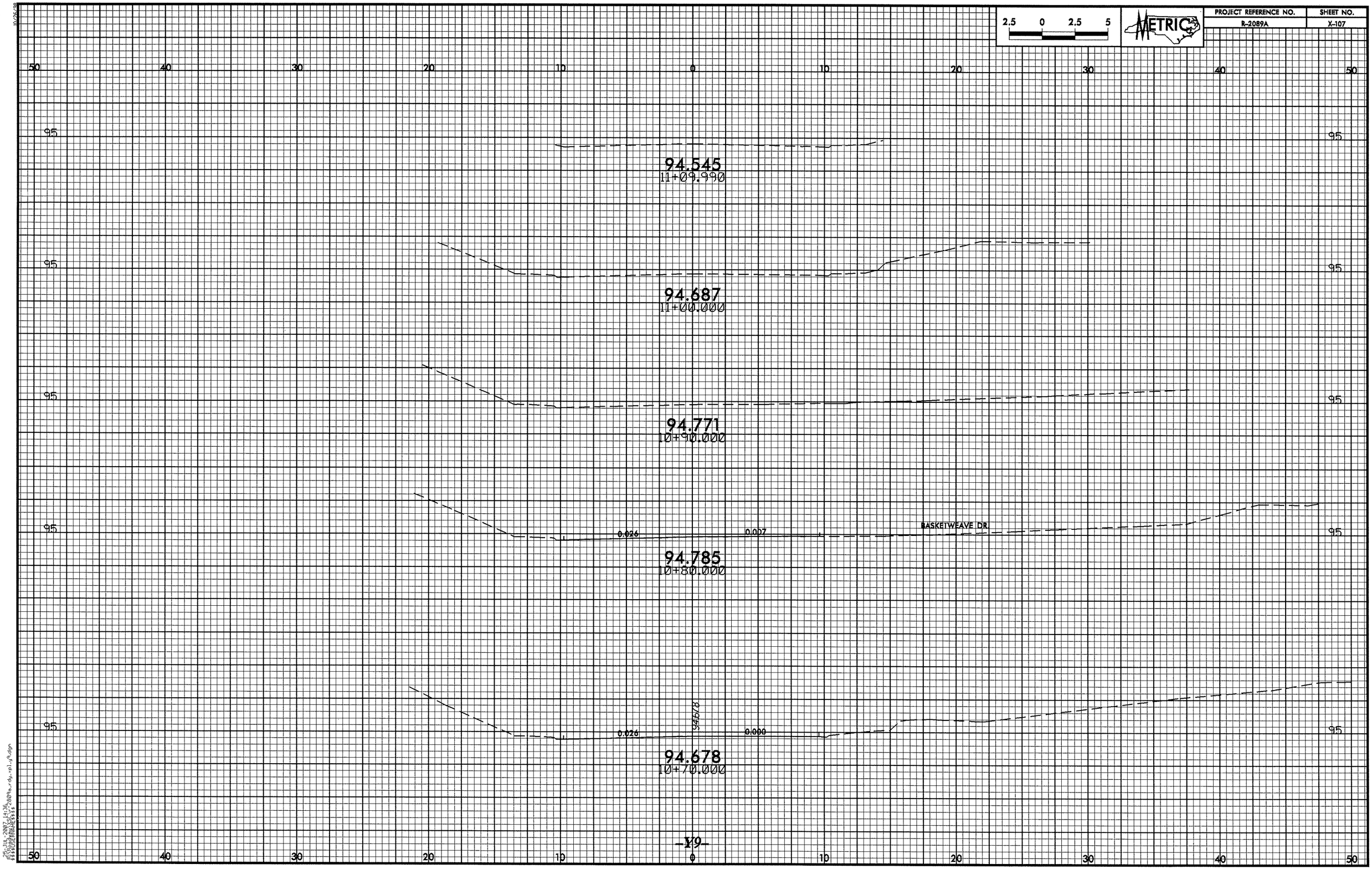
PROJECT REFERENCE NO.	SHEET NO.
R-2089A	X-105

METRIC

10/26/98
25-JUL-2007 14:36
F:\Roadway\Xsc\r2809a_rdy_xpl_y9.dgn
$$$$USERNAME$$$$



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2089A
SHEET NO.
X-106
50 40 30 20 10 0 10 20 30 40 50
95
S.S.94.570
2:1
0.020
94.482
94.482
0.011
S.S.95.359
94.543
10+60.000
S.S.98.487
2:1
4:1
0.020
94.149
94.149
0.020
4:1
2:1
S.S.95.713
93.321
93.321
94.357
10+50.000
100
S.S.97.948
2:1
4:1
0.020
93.702
93.710
0.018
4:1
2:1
S.S.98.542
92.874
92.891
94.126
10+40.000
S.S.100.014
2:1
-L- 29+20
29.015 RT
-L- 29+80
31.441 RT
S.S.94.739
2:1
4:1
0.020
93.236
93.290
0.007
4:1
92.214
92.532
93.808
10+30.000



2.5 0 2.5 5
METRIC
PROJECT REFERENCE NO.
R-2089A
SHEET NO.
X-107
50 40 30 20 10 0 10 20 30 40 50
95
94.545
11+09.990
94.687
11+00.000
94.771
10+90.000
0.026
0.007
BASKETWEAVE DR.
94.785
10+80.000
94.678
0.026
0.000
94.678
10+70.000
-Y9-