PROJ. REFERENCE NO.	SHEET NO.
B-3693	X-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS-SECTION SUMMARY

NOTE: EMBANKMENT COLUMN DOES NOT INCLUDE BACKFILL FOR UNDERCUT

Station DETOUR -DET-	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+50.01		
11+00.17	2.7	9.8
11+50.80	11.3	14.4
12+02.22	12.5	36.6
12+53.84	12.2	109.2
13+05.89	12.4	213.0
13+59.21	3.9	331.8
13+95.00	0.0	259.3

Station DETOUR -DET-	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
14+50.00		
14+67.27	0.0	124.7
15+22.30	12.0	366.1
15+77.52	31.1	323.0
16+32.89	38.3	356.6
16+88.37	42.9	400.3
17+43.90	45.2	378.6
17+99.45	42.4	346.5
18+54.97	41.0	330.5
19+10.43	40.2	352.1
19+65.77	34.9	444.8
20+20.96	24.4	565.1
20+75.94	9.9	635.9
21+30.39	0.5	635.7
21+83.87	0.0	592.2
22+10.00	0.0	280.7

Station DETOUR -DET-	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
22+50.00		
22+88.76	0.0	397.1
23+38.76	0.0	531.1
23+88.76	0.0	645.9
24+38.76	0.0	752.3
24+88.76	0.0	768.0
25+38.76	0.0	789.1
25+55.00	0.0	261.5

Station DETOUR -DET-	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
27+10.00		
27+38.76	0.0	425.5
27+89.00	0.0	621.0
28+40.60	4.6	398.1
28+92.29	17.4	237.3
29+44.09	15.4	121.2
29+95.84	13.6	27.8
30+46.47	15.9	1.9
30+96.55	5.1	0.0

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+50.00		
11+00.00	4.1	28.0
11+50.00	4.8	47.8
12+00.00	0.7	69.9
12+50.00	0.0	109.4
13+00.00	0.0	96.3
13+50.00	0.0	67.5
13+80.23	0.0	36.8

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
14+60.26		
15+00.00	0.0	122.3
15+50.00	0.0	188.9
16+00.00	0.0	232.6
16+50.00	0.0	252.2
17+00.00	0.0	295.9
17+50.00	0.0	349.4
18+00.00	0.0	400.7
18+50.00	0.0	431.4
19+00.00	0.2	424.5
19+50.00	4.7	376.2
20+00.00	4.5	311.9
20+50.00	0.0	228.9
21+00.00	0.0	188.2
21+12.00	0.0	49.9

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
21+62.00		
22+00.00	0.0	151.9
22+50.00	0.0	228.2
23+00.00	1.9	279.3
23+50.00	1.9	250.4
24+00.00	0.0	181.9
24+50.00	0.0	173.6

Station L	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
26+40.00		
26+50.00	0.0	33.8
27+00.00	0.0	172.9
27+50.00	0.0	143.7
28+00.00	0.5	111.8
28+50.00	1.9	81.7
29+00.00	4.9	37.7
29+50.00	24.0	5.7
30+00.00	38.1	5.6
30+50.00	31.1	5.6
31+00.00	13.6	3.3

Station DETOUR REMOVAL	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+50.01		
11+00.17	0.0	
11+50.80	5.1	
12+02.22	21.1	
12+53.84	80.2	
13+05.89	191.8	
13+59.21	319.9	
13+95.00	254.6	

Station DETOUR REMOVAL	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
14+50.00		
14+67.27	124.7	
15+22.30	366.1	
15+77.52	323.0	
16+32.89	356.6	
16+88.37	400.3	
17+43.90	378.6	
17+99.45	346.5	
18+54.97	331.1	
19+10.43	352.6	
19+65.77	444.8	
20+20.96	565.1	
20+75.94	635.9	
21+30.39	635.7	
21+83.87	592.2	
22+10.00	280.7	

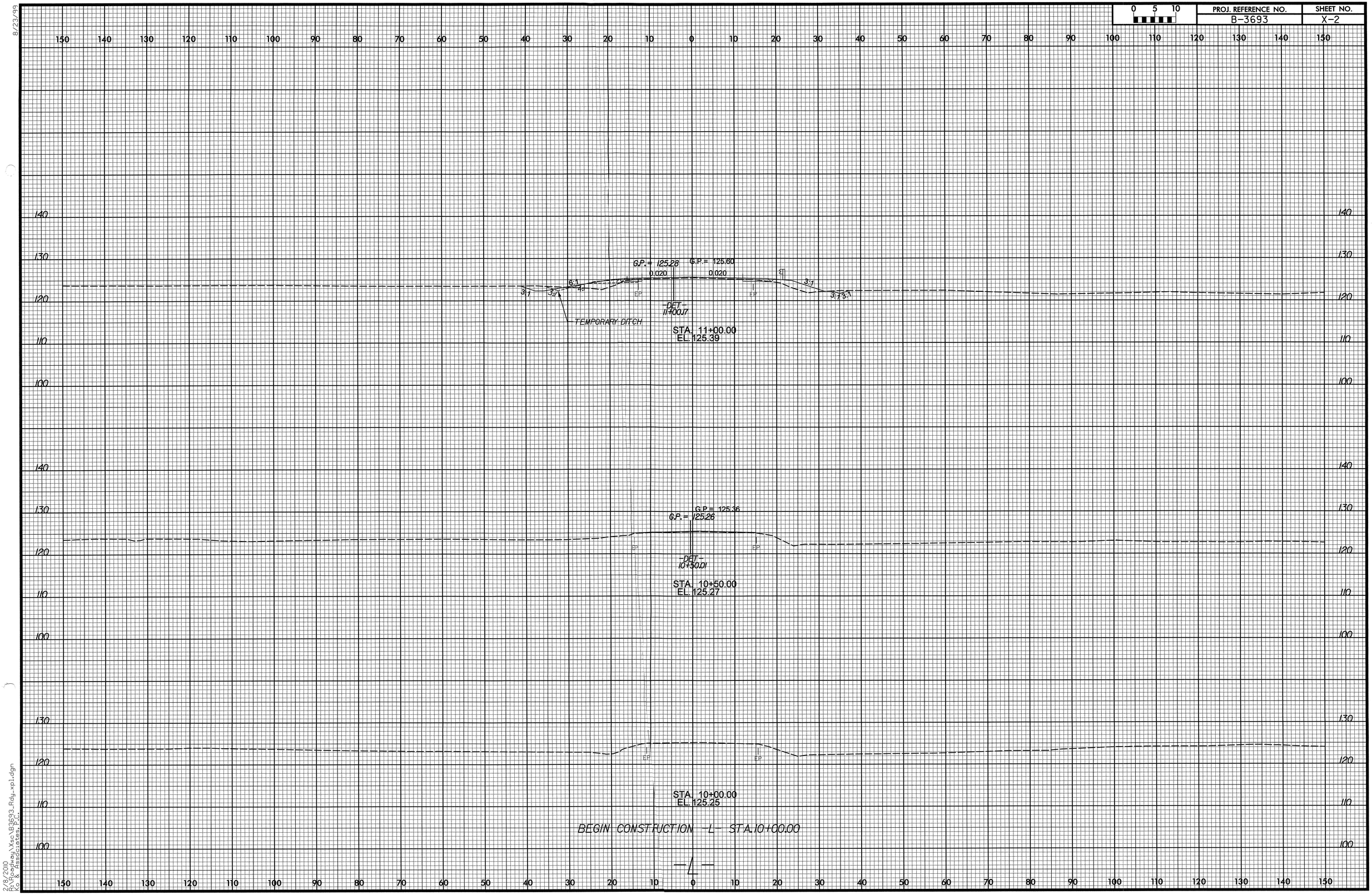
Station DETOUR REMOVAL	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
22+50.00		
22+88.76	376.4	
23+38.76	342.0	
23+88.76	462.7	
24+38.76	739.5	
24+88.76	759.9	
25+38.76	783.1	
25+55.00	259.4	

Station DETOUR REMOVAL	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
27+10.00		
27+38.76	423.0	
27+89.00	616.6	
28+40.60	393.7	
28+92.29	233.2	
29+44.09	116.0	
29+95.84	22.7	
30+46.47	0.0	
30+96.55	0.0	

Station DRIVE -DR-	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
10+20.00		
10+30.42	0.0	26.2
10+84.23	0.0	143.3
11+46.96	0.0	155.5
11+60.00	0.0	14.0

Station REM. EXIST. RD. BED (-L-)	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
14+60.26		
15+00.00	325.3	
15+50.00	331.3	
16+00.00	284.0	
16+50.00	327.2	
17+00.00	411.4	
17+50.00	400.2	
18+00.00	332.4	
18+50.00	351.5	
19+00.00	440.3	
19+50.00	527.5	
20+00.00	477.0	
20+50.00	344.5	
21+00.00	225.7	
21+12.00	33.6	

Approximate quantities only. Unclassified excavation, borrow excavation, fine grading, clearing and grubbing and removal of existing pavement will be paid for at the lump sum price for "Grading".



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Ko & Associates, P.C.

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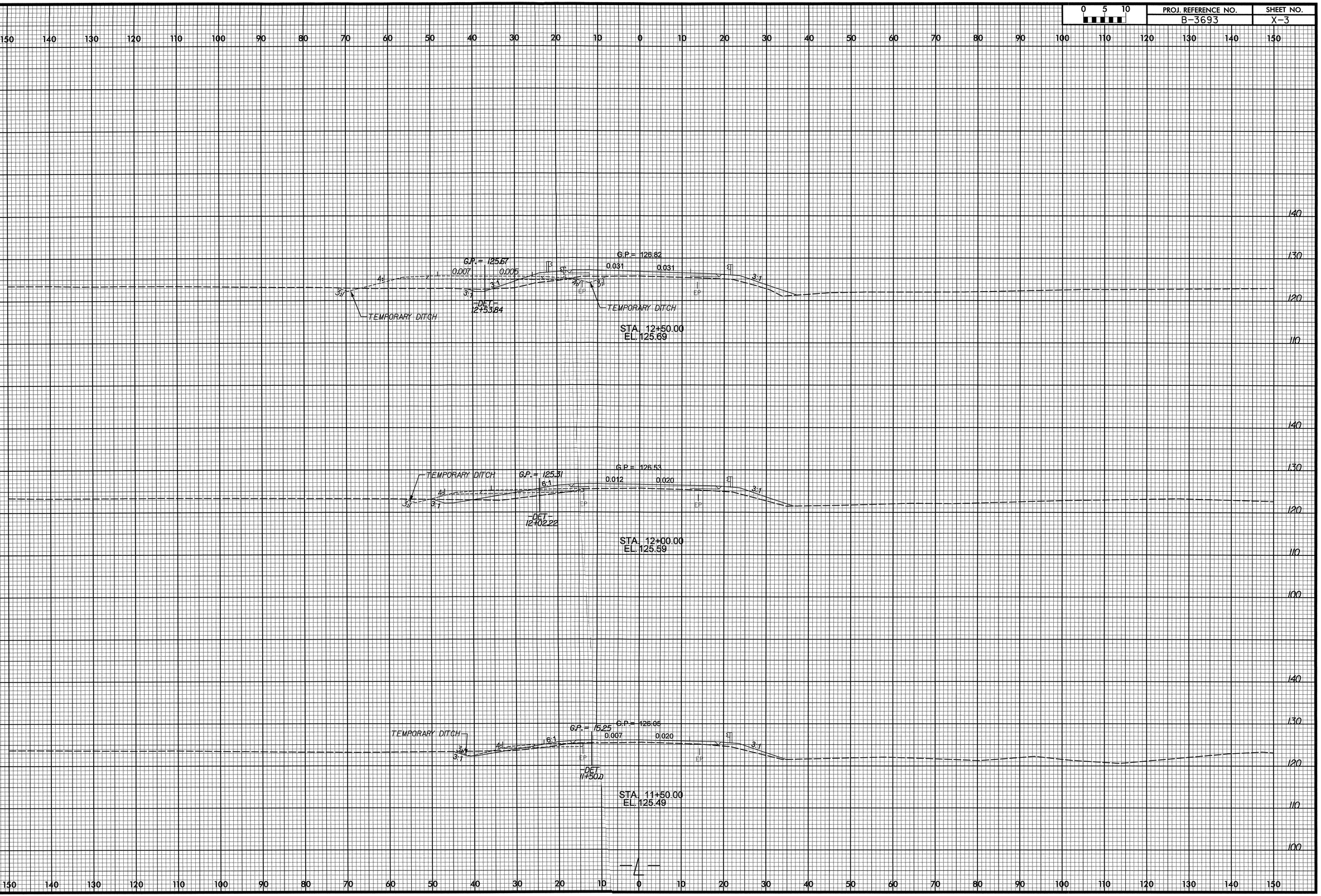
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-3693	X-3



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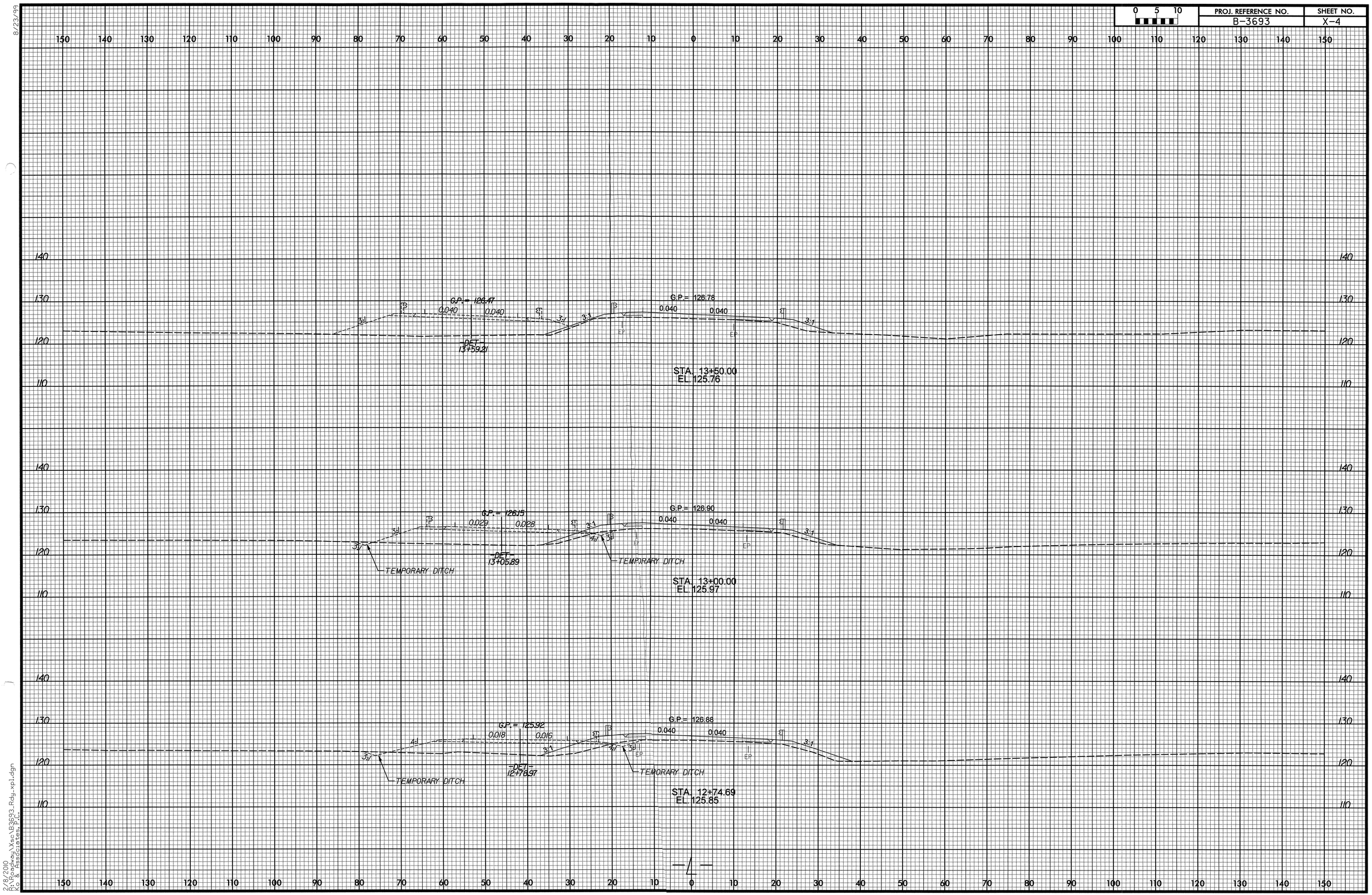
	B-3693	X-4



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K & Associates, P.C.

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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-3693	X-5

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

140 130 120 110 100

G.P. = 126.97
0.060 0.060
3:1 3:1 3:1
-DET-
18+22.30
79.06' LT (-L-)
ELEV=122.27
EMPORARY DITCH
EP
3:1
33.70' LT (-L-)
ELEV=122.00
G.P. = 126.62
0.040 0.040
3:1
EP
3:1

STA. 15+00.00
EL. 123.66

END BRIDGE -L- STA 14+60.26

140 130 120 110 100

G.P. = 126.80
0.040 0.040
3:1 3:1
-DET-
14+67.27
65.13' LT (-L-)
ELEV=121.28
EP 31.7:1
G.P. = 126.28
0.040 0.040
EP
10.18' RT (-L-)
ELEV=122.20

STA. 14+50.00
EL. 124.60

END DETOUR BRIDGE -DET- STA 14+50.00

140 130 120 110 100

G.P. = 126.64
0.040 0.040
-DET-
14+12.82
G.P. = 126.53
0.040 0.040

BEGIN DETOUR BRIDGE -DET- STA 13+95.00

STA. 14+00.00
EL. 121.51

BEGIN BRIDGE -L- STA 13+80.23

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

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Florence & Hutcheson, Inc.

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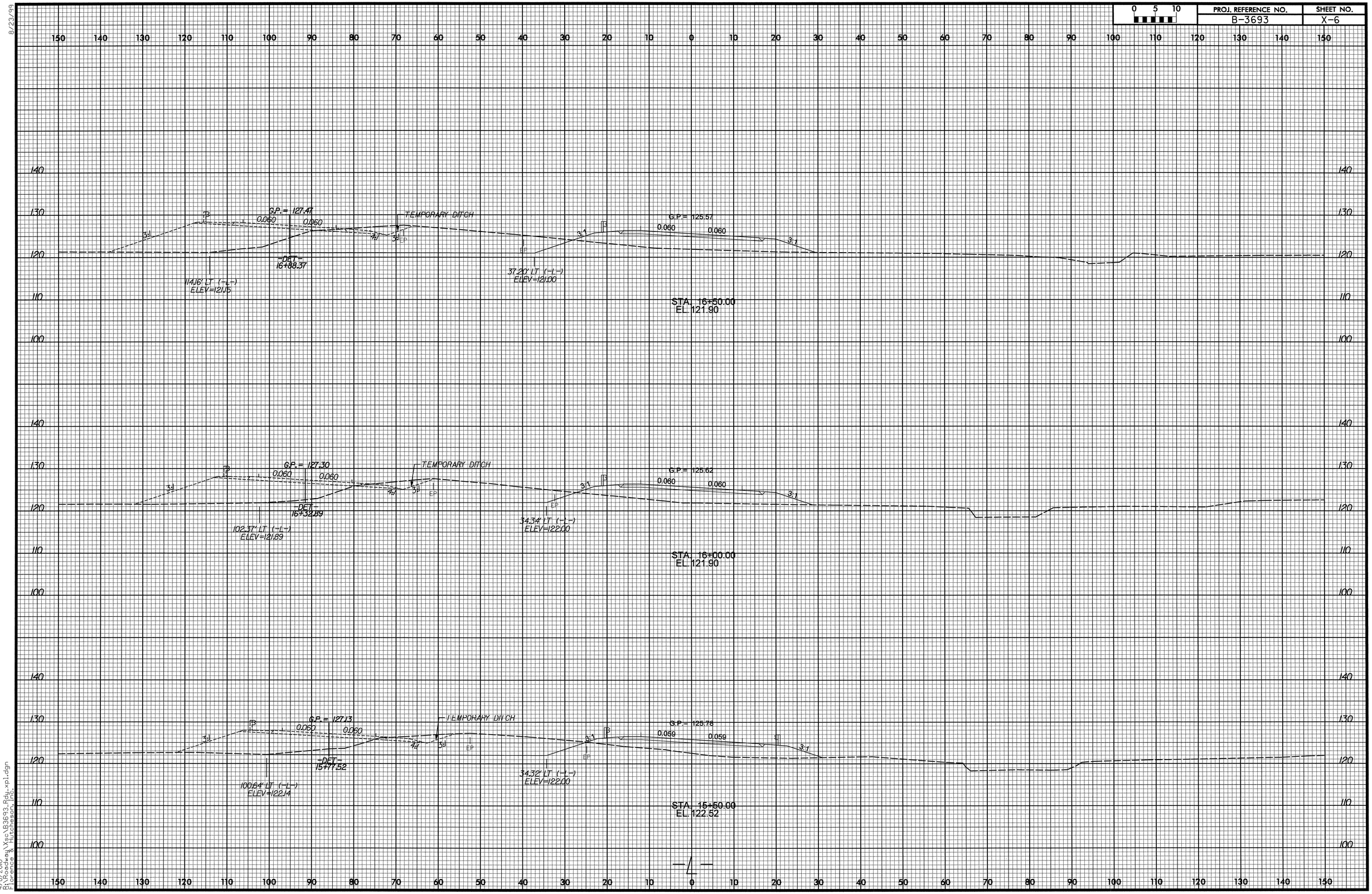
0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-3693	X-6



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Lawrence & Hutcheson, Inc.

8/23/99

0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-3693	X-7

STA. 18+00.00
EL. 121.19

G.P. = 127.97
0.060
0.060
TEMPORARY DITCH
3:1
4:1
EP
-DET-
18+54.97
106.30' LT (-L-)
ELEV=122.40
G.P. = 126.03
0.060
0.060
4:1
3:1
EP
36.05' LT (-L-)
ELEV=122.50

STA. 17+50.00
EL. 121.28

G.P. = 127.80
0.060
0.060
TEMPORARY DITCH
3:1
4:1
EP
-DET-
17+99.45
107.63' LT (-L-)
ELEV=107.63
G.P. = 125.78
0.060
0.060
4:1
3:1
EP
39.04' LT (-L-)
ELEV=122.00

STA. 17+00.00
EL. 121.26

G.P. = 127.63
0.060
0.060
TEMPORARY DITCH
3:1
4:1
EP
-DET-
17+43.90
106.57' LT (-L-)
ELEV=122.58
G.P. = 125.63
0.060
0.060
3:1
3:1
EP
34.26' LT (-L-)
ELEV=122.00

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Florence & Hutcheson, Inc.

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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-3693	X-8

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

140 130 120 110 100

G.P. = 128.46
0.059 0.059
3:1
4:1
EP
TEMPORARY DITCH
G.P. = 126.81
0.060 0.060
3:1
4:1
EP
-DET-
20+20.96
86.21' LT (-L-)
ELEV=120.36
49.17' LT (-L-)
ELEV=120.00

STA. 19+50.00
EL. 123.07

140 130 120 110 100

G.P. = 128.30
0.059 0.059
3:1
4:1
EP
TEMPORARY DITCH
G.P. = 126.55
0.060 0.060
3:1
4:1
EP
-DET-
19+65.77
109.47' LT (-L-)
ELEV=120.50
46.13' LT (-L-)
ELEV=120.5

STA. 19+00.00
EL. 121.65

140 130 120 110 100

G.P. = 128.13
0.059 0.059
3:1
4:1
EP
TEMPORARY DITCH
G.P. = 126.39
0.060 0.060
3:1
4:1
EP
-DET-
19+10.43
118.32' LT (-L-)
ELEV=121.05
43.09' LT (-L-)
ELEV=121.00

STA. 18+50.00
EL. 121.05

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

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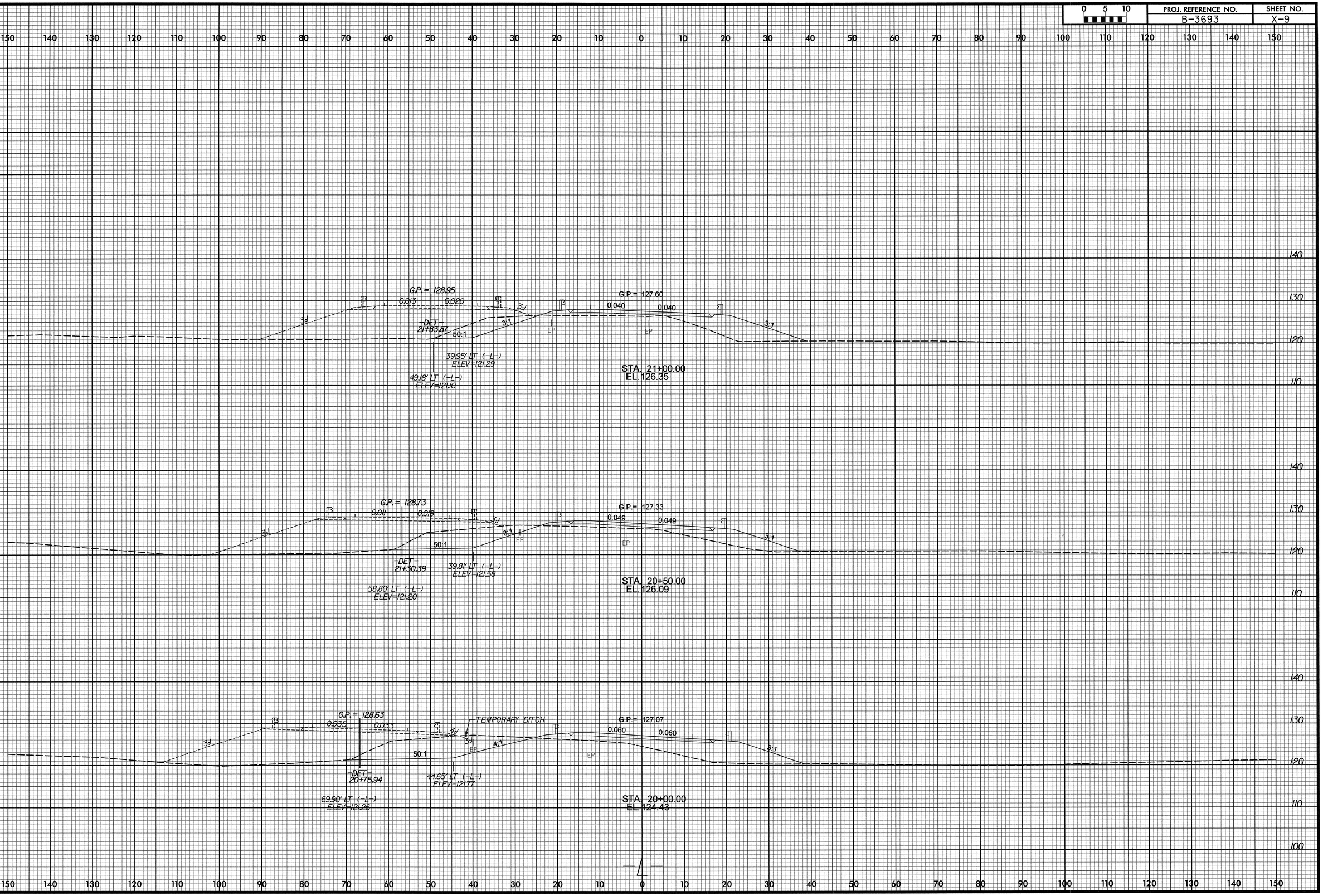

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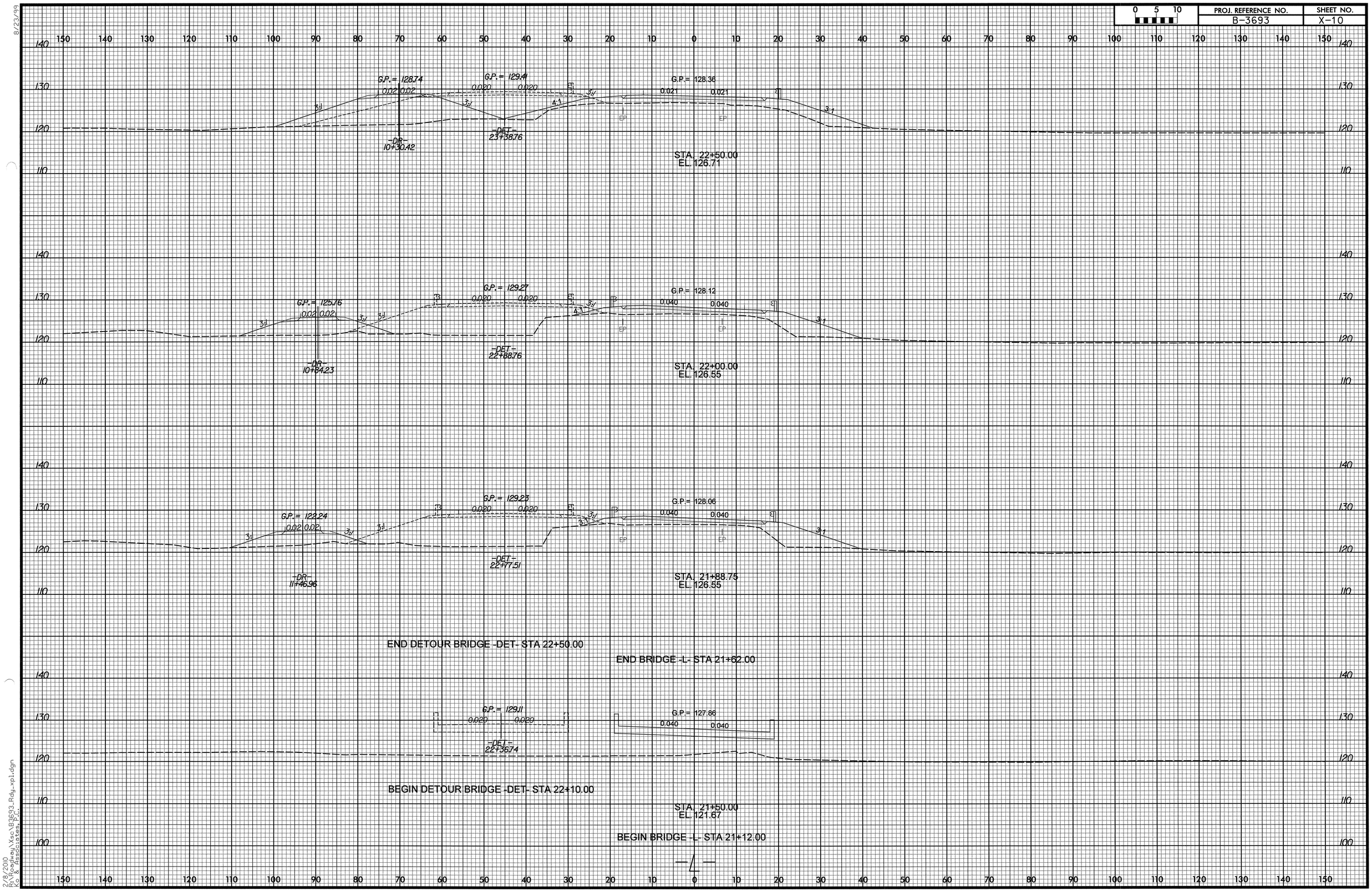
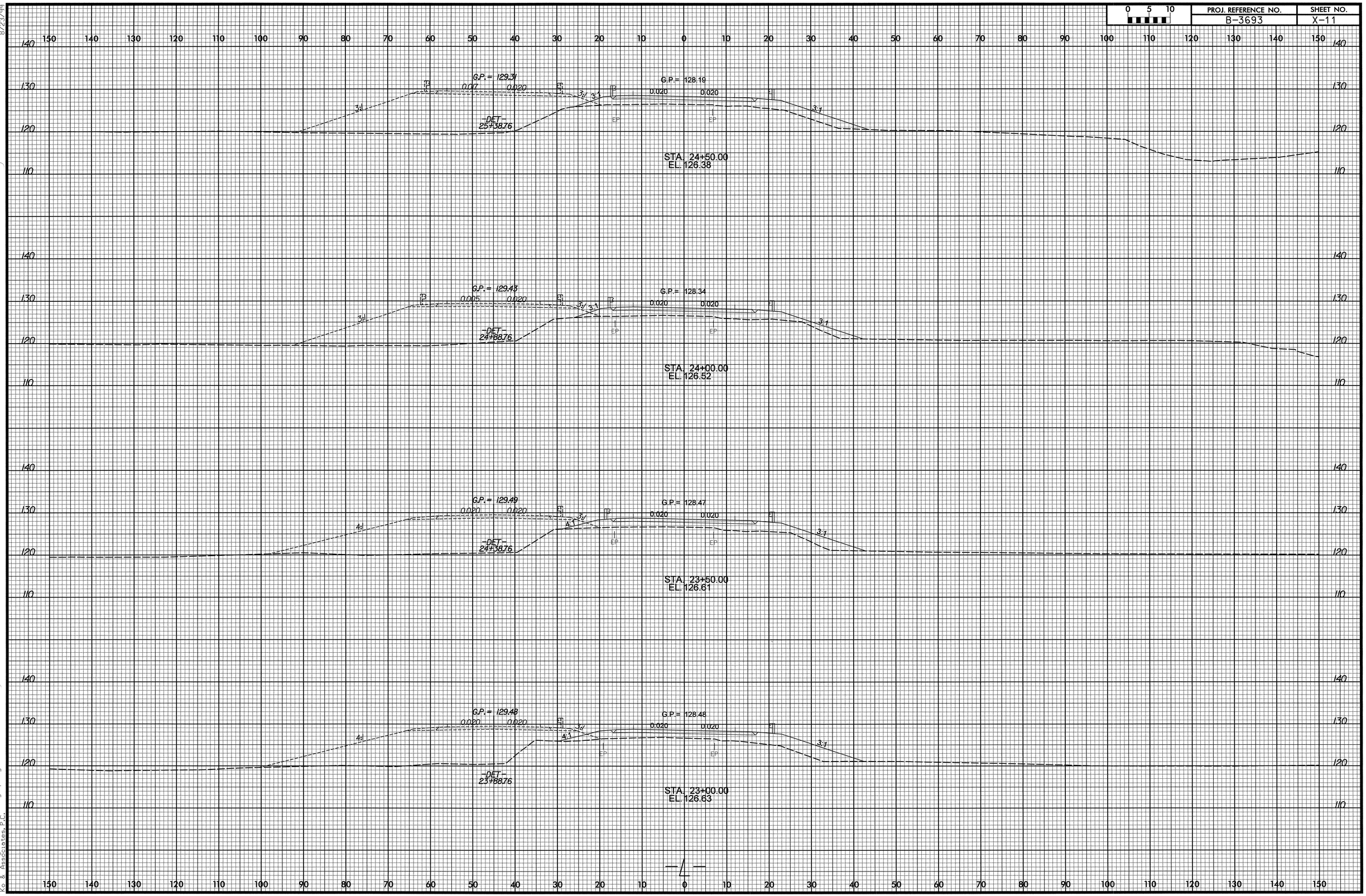


PROJ. REFERENCE NO.
B-3693
SHEET NO.
X-10
G.P.= 128.74
G.P.= 129.41
G.P.= 128.36
-DR-
10+30.42
-DET-
23+38.76
STA. 22+50.00
EL. 126.71
G.P.= 125.76
G.P.= 129.27
G.P.= 128.12
-DR-
10+84.23
-DET-
22+88.76
STA. 22+00.00
EL. 126.55
G.P.= 122.24
G.P.= 129.23
G.P.= 128.06
-DR-
11+46.96
-DET-
22+77.51
STA. 21+88.75
EL. 126.55
END DETOUR BRIDGE -DET- STA 22+50.00
END BRIDGE -L- STA 21+62.00
G.P.= 129.11
G.P.= 127.86
-DET-
22+36.74
BEGIN DETOUR BRIDGE -DET- STA 22+10.00
STA. 21+50.00
EL. 121.67
BEGIN BRIDGE -L- STA 21+12.00



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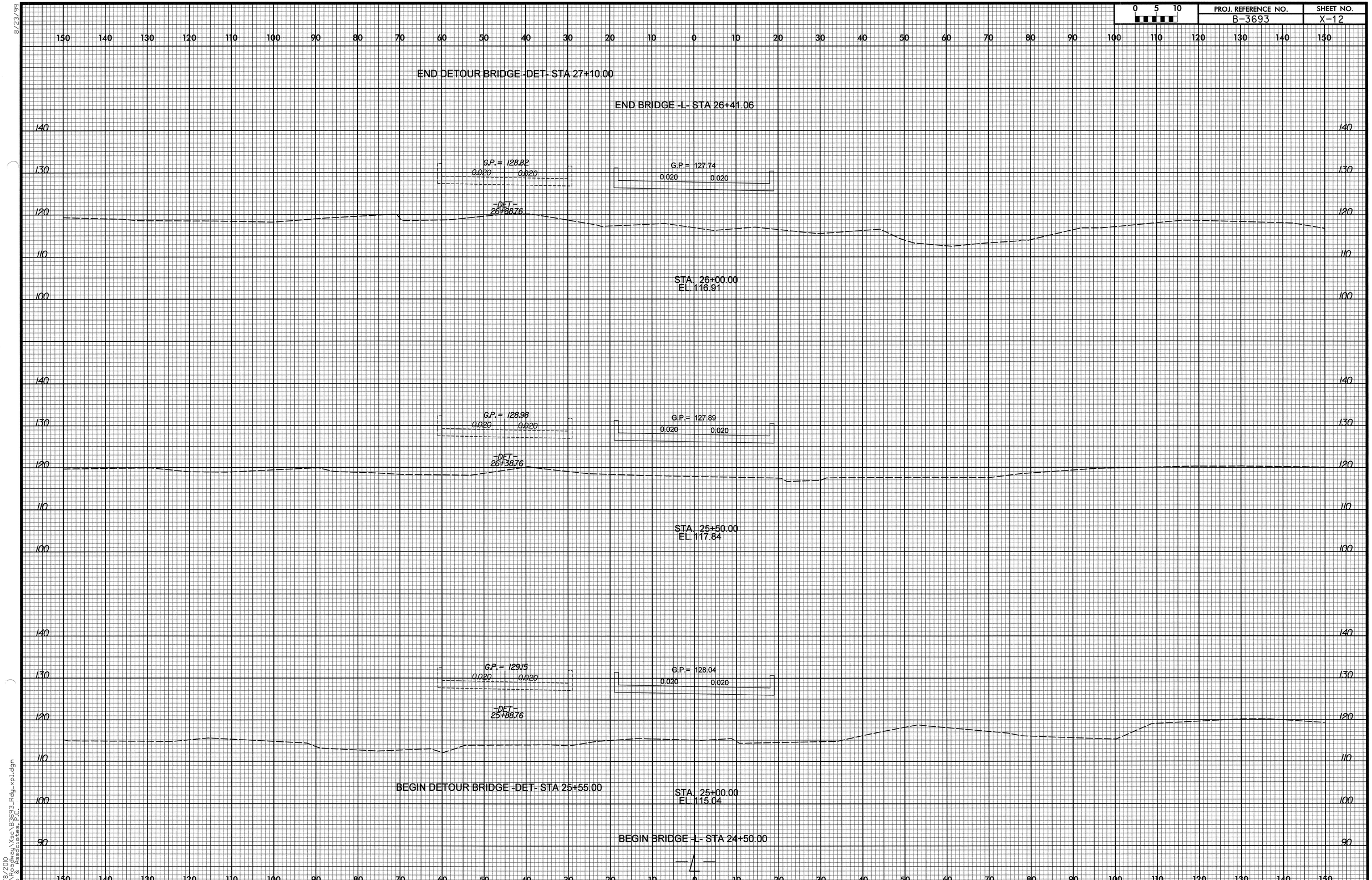

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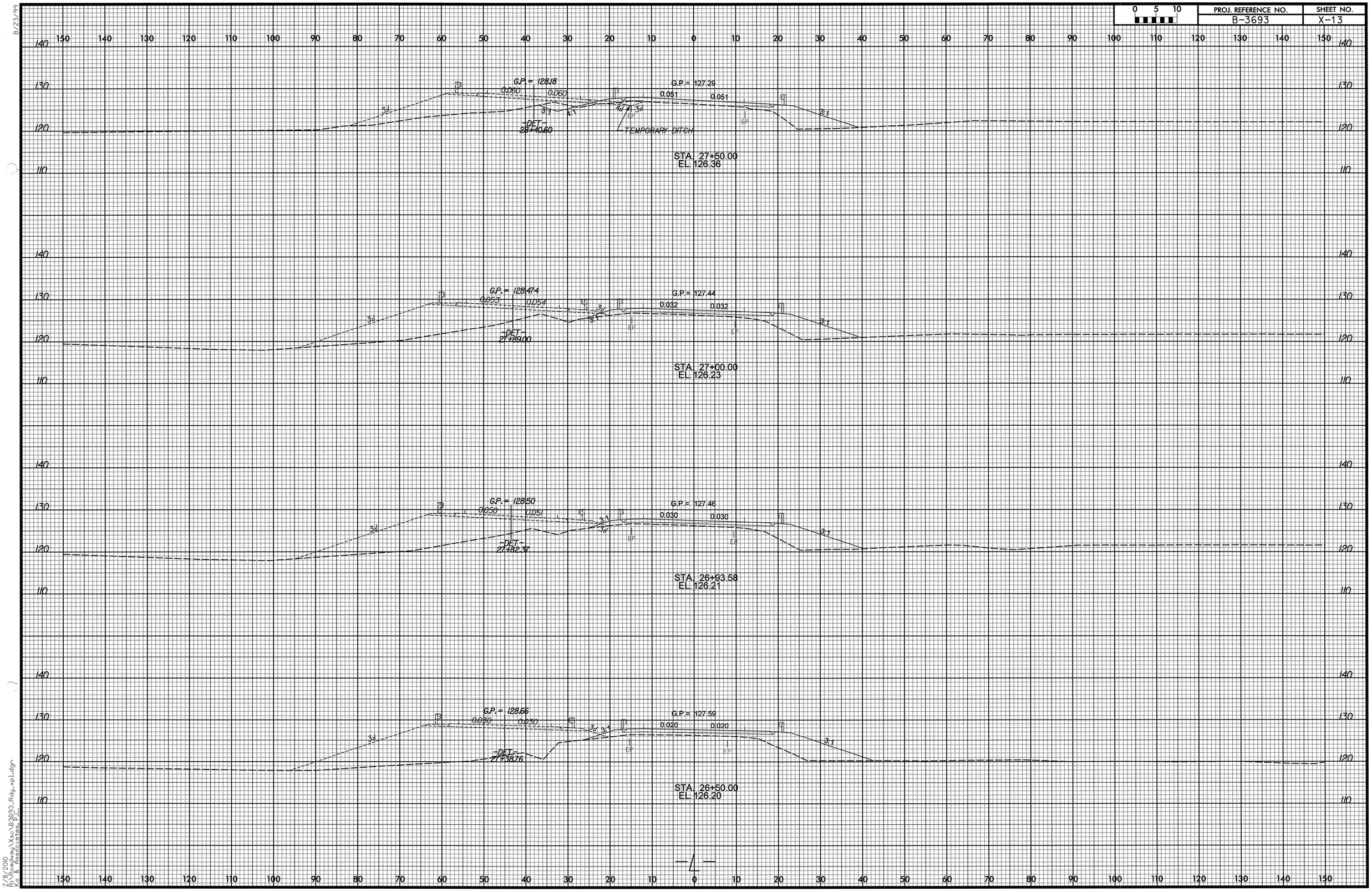

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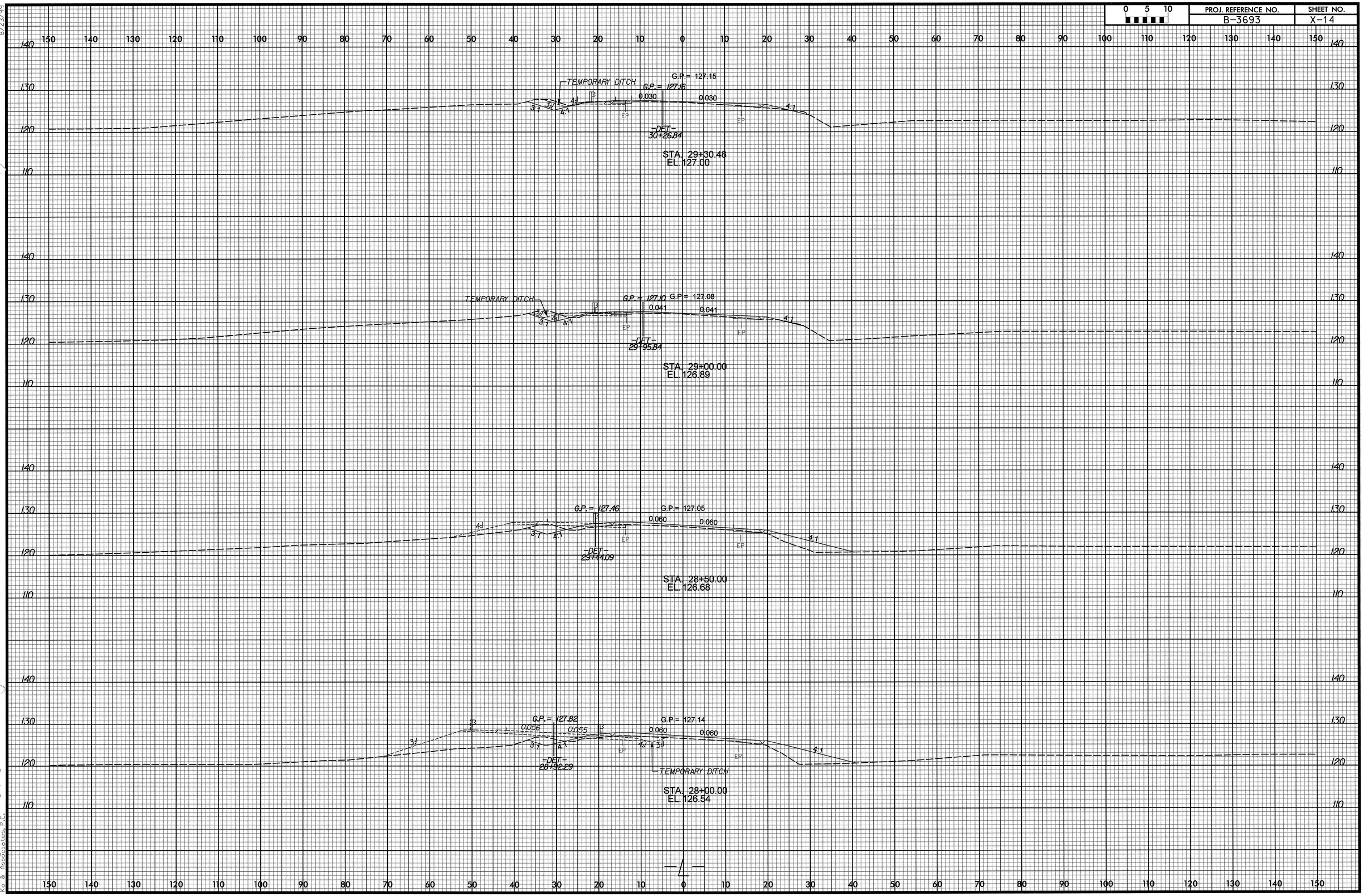

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0 5 10	PROJ. REFERENCE NO.	SHEET NO.
	B-3693	X-15

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

130
120
110

EP

STA. 31+50.00
EL. 128.35

G.P. = 128.16
0.001
0.052

STA. 31+00.00
EL. 128.04

G.P. = 127.83
0.020
0.040
6:1
6:1
4.3:1

STA. 30+50.00
EL. 127.74

G.P. = 127.50
G.P. = 127.46
0.030
0.030
6:1
6:1
3.7:1

DET -
30+96.55

STA. 30+00.00
EL. 127.46

G.P. = 127.23
G.P. = 127.19
0.030
0.030
6:1
6:1
5:1
4:1
4:1

TEMPORARY DITCH

DET -
30+46.47

STA. 29+50.00
EL. 127.14

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