8/23/99

PROJ. REFERENCE NO.	SHEET NO.
B-4077	X-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS-SECTION SUMMARY

		EXCAVATION			EMBANKMENT		
STATION	DISTANCE	AREA	AVE. AREA	VOLUME	AREA	AVE. AREA	VOLUME
	(FT.)	(SQ.FT.)	(SQ.FT.)	(CU.YD.)	(SQ.FT.)	(SQ.FT.)	(CU.YD.)
-L-							
28+78.47		2.65			53.16		
29+00.00	21.53	2.65	2.65	2.11	53.16	53.16	42.39
29+50.00	50.00	2.33	2.49	4.61	52.19	52.68	97.55
30+00.00	50.00	4.07	3.20	5.93	43.13	47.66	88.26
30+50.00	50.00	5.12	4.60	8.51	31.59	37.36	69.19
31+00.00	50.00	22.35	13.74	25.44	85.76	58.68	108.66
31+20.00	20.00	22.35	22.35	16.56	85.76	85.76	63.53
BRIDGE							
32+10.00		7.97			118.30		
32+50.00	40.00	7.97	7.97	11.81	118.30	118.30	175.26
33+00.00	50.00	4.83	6.40	11.85	54.42	86.36	159.93
33+50.00	50.00	8.42	6.63	12.27	73.56	63.99	118.50
34+00.00	50.00	14.41	11.42	21.14	56.64	65.10	120.56
34+50.00	50.00	15.57	14.99	27.76	35.05	45.85	84.90
35+00.00	50.00	1.89	8.73	16.17	22.00	28.53	52.82
35+50.00	50.00	2.97	2.43	4.50	2.96	12.48	23.11
36+00.00	50.00	2.19	2.58	4.78	5.44	4.20	7.78
36+33.81	33.81	2.19	2.19	2.74	0.00	2.72	3.41
		-L- TOTAL		176.16	-L- TOTAL		1215.82

APPROXIMATE QUANTITIES ONLY

UNCLASSIFIED EXCAVATION, FINE GRADING, CLEARING AND GRUBBING, AND REMOVAL OF EXISTING PAVEMENT, WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING".

		EXCAVATION			EMBANKMENT			EMBANKMENT REMOVAL		
STATION	DISTANCE	AREA	AVE. AREA	VOLUME	AREA	AVE. AREA	VOLUME	AREA	AVE. AREA	VOLUME
	(FT.)	(SQ.FT.)	(SQ.FT.)	(CU.YD.)	(SQ.FT.)	(SQ.FT.)	(CU.YD.)	(SQ.FT.)	(SQ.FT.)	(CU.YD.)
DETOUR										
10+00.00	--				0.00			0.00		
10+36.45	36.45		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10+86.45	50.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+36.45	50.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11+86.47	50.02		0.00	0.00	28.77	14.39	26.65	28.77	14.39	26.65
12+36.50	50.03		0.00	0.00	57.45	43.11	79.88	57.45	43.11	79.88
12+86.57	50.07		0.00	0.00	62.62	60.04	111.33	62.62	60.04	111.33
13+36.73	50.16		0.00	0.00	82.24	72.43	134.56	82.34	72.48	134.65
13+87.00	50.27		0.00	0.00	99.00	90.62	168.72	98.41	90.38	168.26
14+37.46	50.46		0.00	0.00	132.01	115.51	215.87	131.56	114.99	214.89
14+88.09	50.63		0.00	0.00	173.84	152.93	286.76	173.42	151.49	285.95
15+38.85	50.76		0.00	0.00	194.97	184.41	346.68	194.97	184.20	346.29
15+89.70	50.85		0.00	0.00	280.49	237.73	447.72	280.37	237.67	447.61
16+40.64	50.94		0.00	0.00	389.54	335.02	632.06	389.54	334.96	631.95
16+91.67	51.03		0.00	0.00	411.73	400.64	757.20	411.73	400.64	757.20
17+42.76	51.09		0.00	0.00	387.54	399.64	756.20	387.54	399.64	756.20
17+93.93	51.17		0.00	0.00	395.74	391.64	742.23	395.74	391.64	742.23
18+45.16	51.23		0.00	0.00	361.69	378.72	718.58	361.69	378.72	718.58
18+96.46	51.30		0.00	0.00	418.14	389.92	740.84	418.14	389.92	740.84
19+47.80	51.34		0.00	0.00	343.31	380.73	723.94	343.31	380.73	723.94
19+99.19	51.39	15.72	7.86	14.96	121.40	232.36	442.25	120.40	232.36	442.25
20+50.63	51.44		7.86	14.97	265.11	193.26	368.19	265.11	193.26	368.19
21+02.10	51.47		0.00	0.00	278.76	271.94	518.39	278.76	271.94	518.39
21+53.60	51.50		0.00	0.00	324.18	301.47	575.03	324.18	301.47	575.03
22+05.13	51.53		0.00	0.00	435.55	379.87	724.98	435.55	379.87	724.98
22+56.68	51.55		0.00	0.00	566.56	501.06	956.64	566.56	501.06	956.64
23+08.24	51.56		0.00	0.00	689.58	628.07	1199.38	689.58	628.07	1199.38
23+59.81	51.57		0.00	0.00	750.27	719.93	1375.06	750.27	719.93	1375.06
24+11.38	51.57		0.00	0.00	765.42	757.85	1447.48	678.35	714.31	1364.33
24+62.94	51.56		0.00	0.00	745.37	755.40	1442.52	673.66	676.01	1290.92
25+14.50	51.56		0.00	0.00	699.46	722.48	1379.55	629.48	651.57	1244.26
25+66.04	51.54		0.00	0.00	718.52	708.99	1353.38	651.13	640.31	1222.27
26+17.55	51.51		0.00	0.00	679.48	699.00	1333.54	621.23	636.18	1213.69
26+45.73	28.18		0.00	0.00	679.48	679.48	709.18	621.23	621.23	648.38
BRIDGE										
28+25.22	--				575.48			493.97		
28+74.63	49.41		0.00	0.00	575.48	575.48	1053.13	493.97	493.97	903.97
29+25.90	51.27		0.00	0.00	571.23	573.36	1084.70	483.38	488.68	927.94
29+77.11	51.21		0.00	0.00	518.72	544.98	983.84	436.34	459.86	872.20
30+28.25	51.14		0.00	0.00	480.37	499.55	909.86	390.88	413.61	783.41
30+79.32	51.07		0.00	0.00	440.83	460.66	833.82	375.57	383.23	724.86
31+30.31	50.99		0.00	0.00	362.50	401.67	684.59	322.85	349.21	659.49
31+81.22	50.91		0.00	0.00	260.32	311.41	490.85	223.26	273.06	514.86
32+32.04	50.82		0.00	0.00	174.01	217.17	408.75	174.02	198.64	373.88
32+82.75	50.71		0.00	0.00	133.54	153.78	288.81	133.54	153.78	288.82
33+33.33	50.58		0.00	0.00	107.05	120.30	225.35	101.91	117.73	220.54
33+83.71	50.38		0.00	0.00	79.33	93.19	173.89	72.42	87.17	162.64
34+33.93	50.22		0.00	0.00	63.07	71.20	132.43	63.07	67.75	126.01
34+84.05	50.12		0.00	0.00	46.00	54.54	101.23	35.88	49.48	91.84
35+34.11	50.06		0.00	0.00	36.86	41.43	76.81	33.51	34.70	64.33
35+84.13	50.02		0.00	0.00	41.83	39.35	72.89	34.19	33.85	62.71
36+34.14	50.01		0.00	0.00	0.00	20.92	38.74	0.00	17.10	31.66
36+84.14	50.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37+34.14	50.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37+51.77	17.63		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
		DETOUR TOTAL		29.93	DETOUR TOTAL		28,274.48	DETOUR TOTAL		26,839.38

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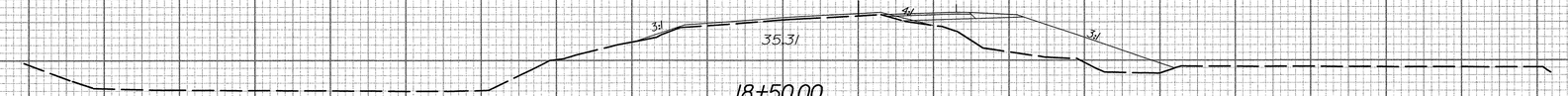
0 10	PROJ. REFERENCE NO.	SHEET NO.
	B-4077	X-2

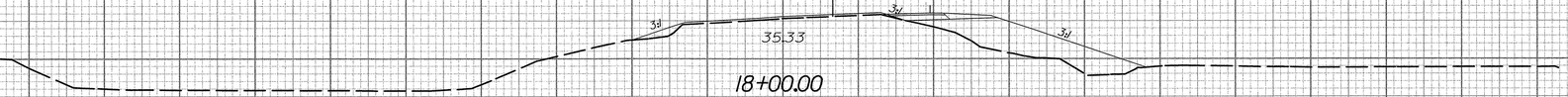
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

–DET– STA 13+87.00



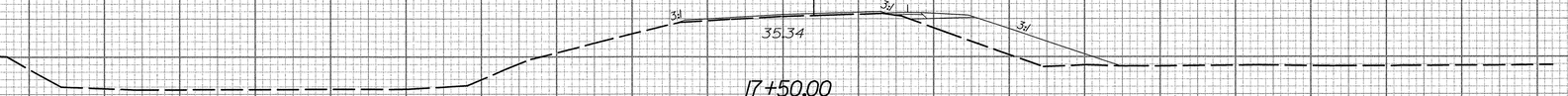
18+50.00

–DET– STA 13+36.73



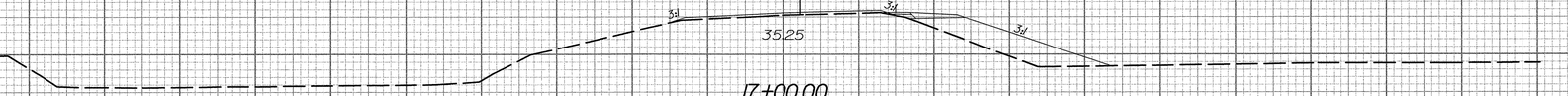
18+00.00

–DET– STA 12+86.57



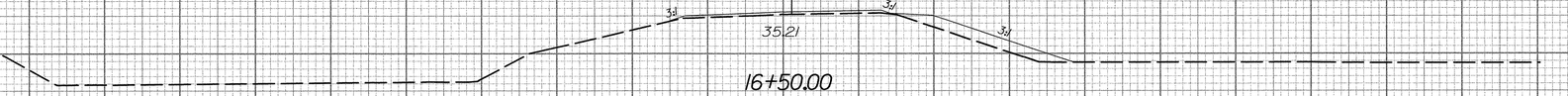
17+50.00

–DET– STA 12+36.50



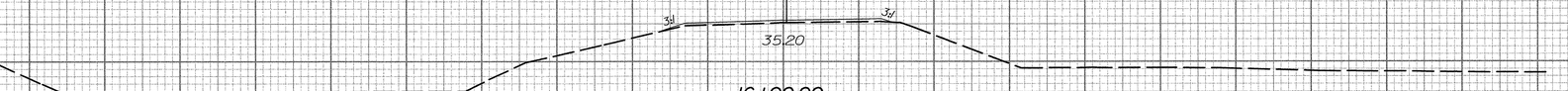
17+00.00

–DET– STA 11+86.47



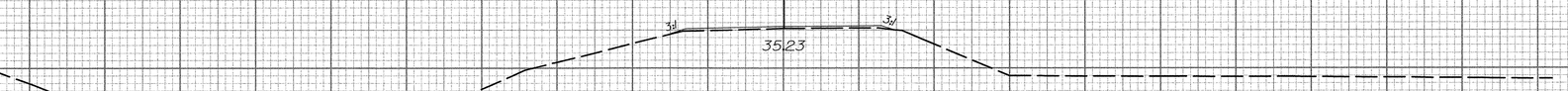
16+50.00

–DET– STA 11+36.45



16+00.00

–DET– STA 10+86.45

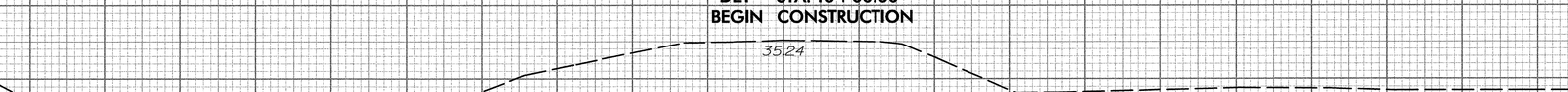


15+50.00

–DET– STA 10+36.45

15+00.00

–L– STA. 14+63.55 =
–DET– STA. 10+00.00
BEGIN CONSTRUCTION



14+50.00

Note: Approximate Quantities Only. Unclassified Excavation, Shoulder Borrow, Fine Grading, Clearing and Grubbing, and Removal of Existing Pavement will be paid for at the contract Lump Sum Price for "Grading".

–L–

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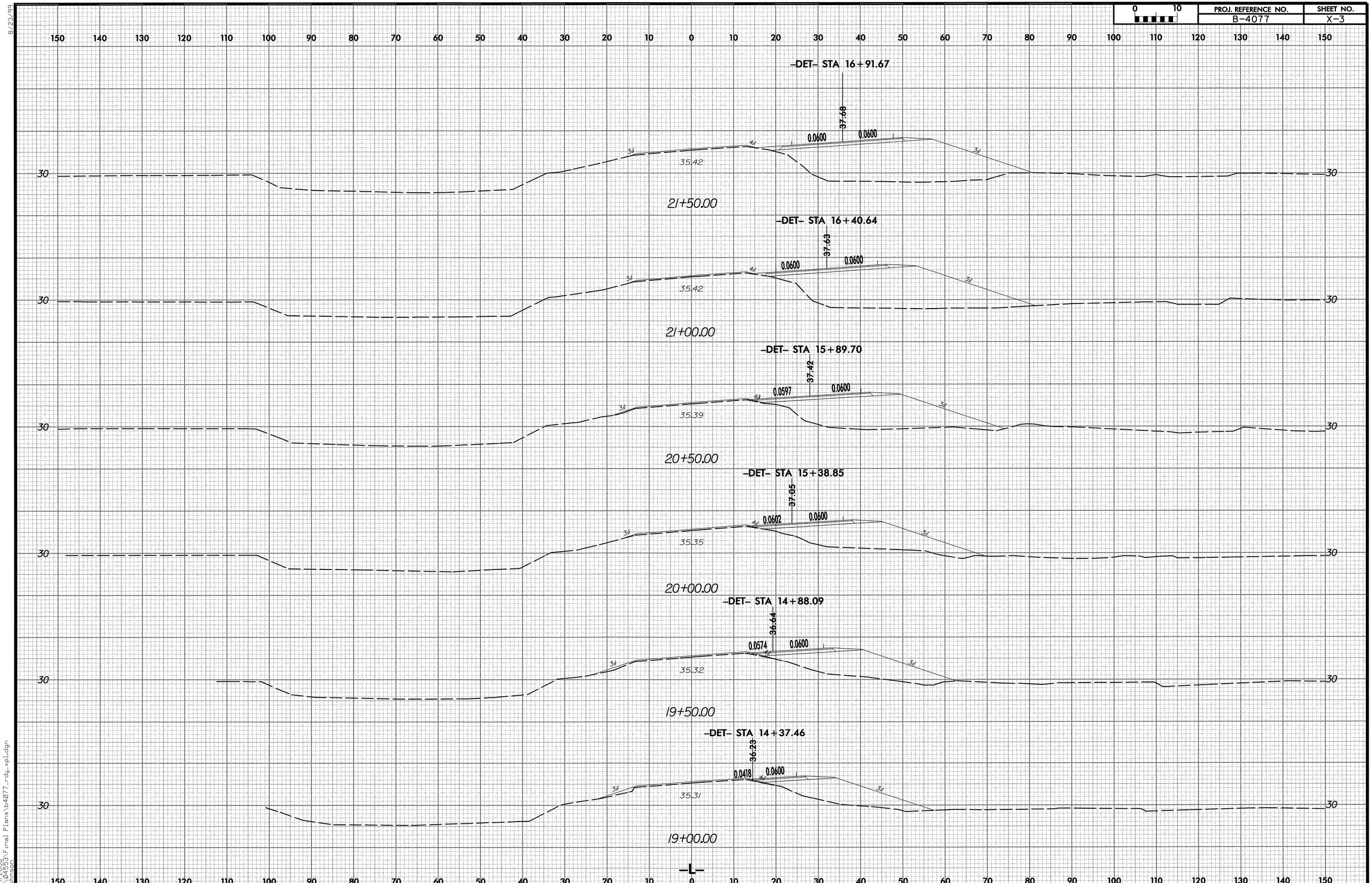
30



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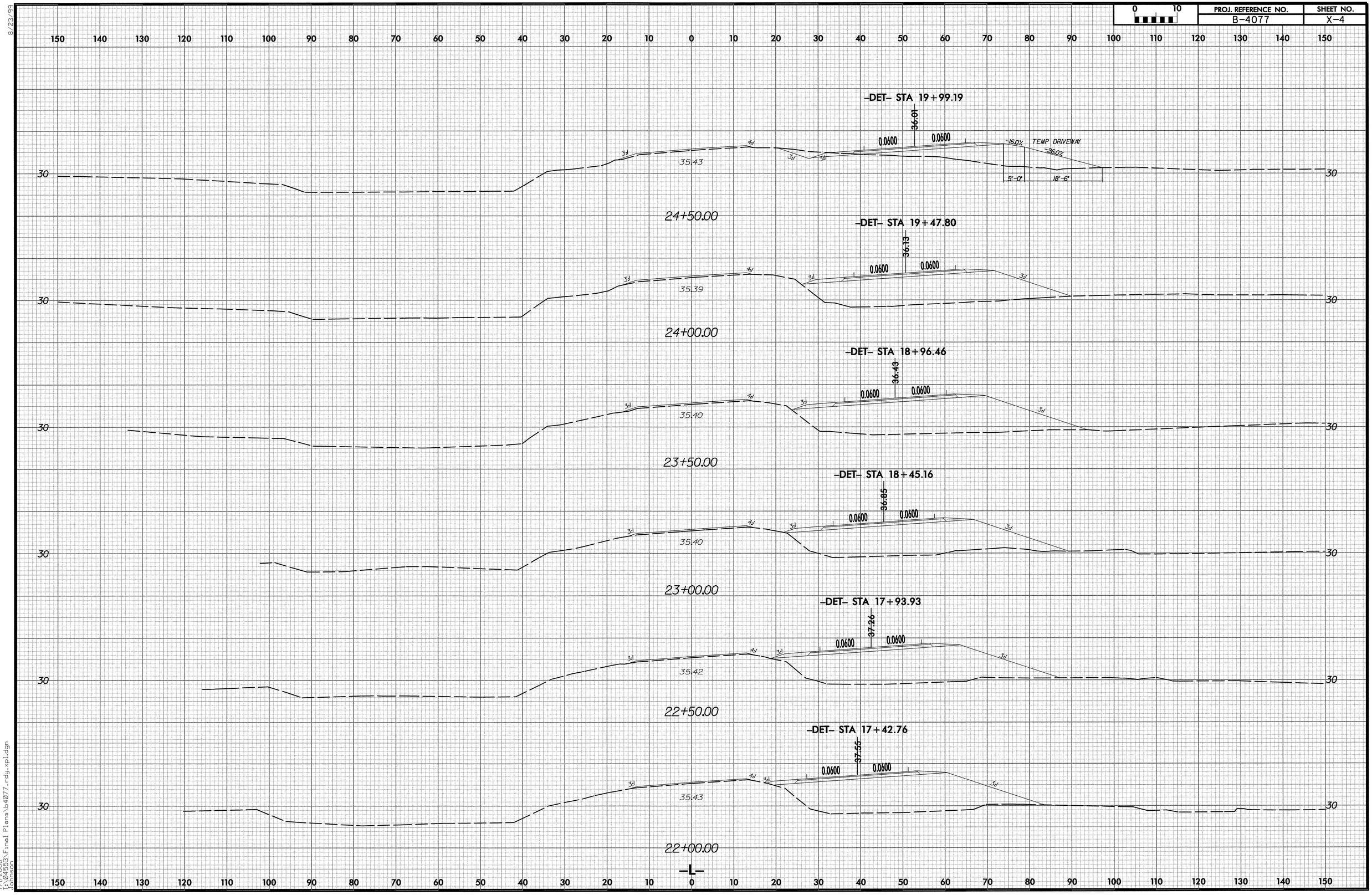

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0 10	PROJ. REFERENCE NO.	SHEET NO.
	B-4077	X-5

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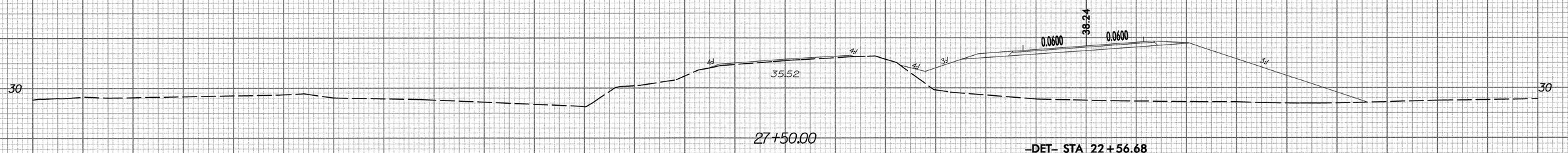
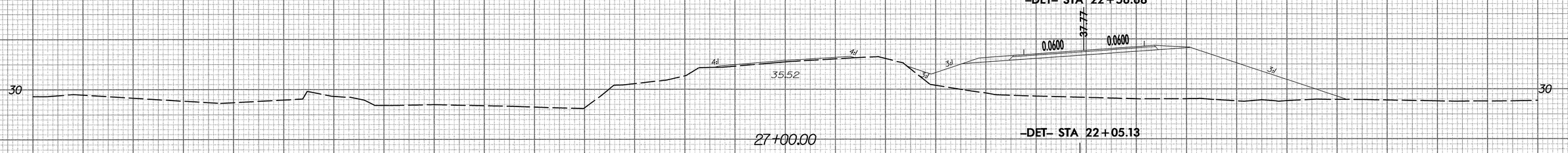
–DET– STA 23+08.24



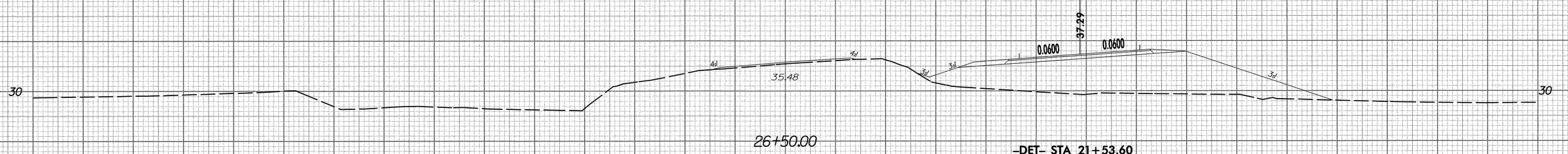
27+50.00

–DET– STA 22+56.68



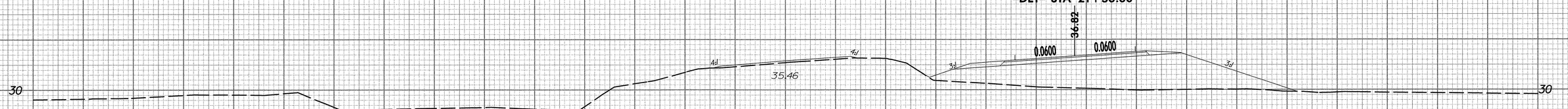
27+00.00

–DET– STA 22+05.13



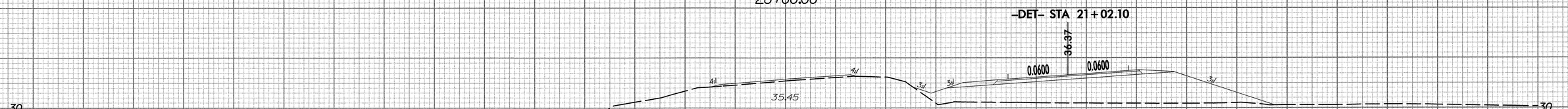
26+50.00

–DET– STA 21+53.60



26+00.00

–DET– STA 21+02.10



25+50.00

–DET– STA 20+50.63

25+00.00

–L–

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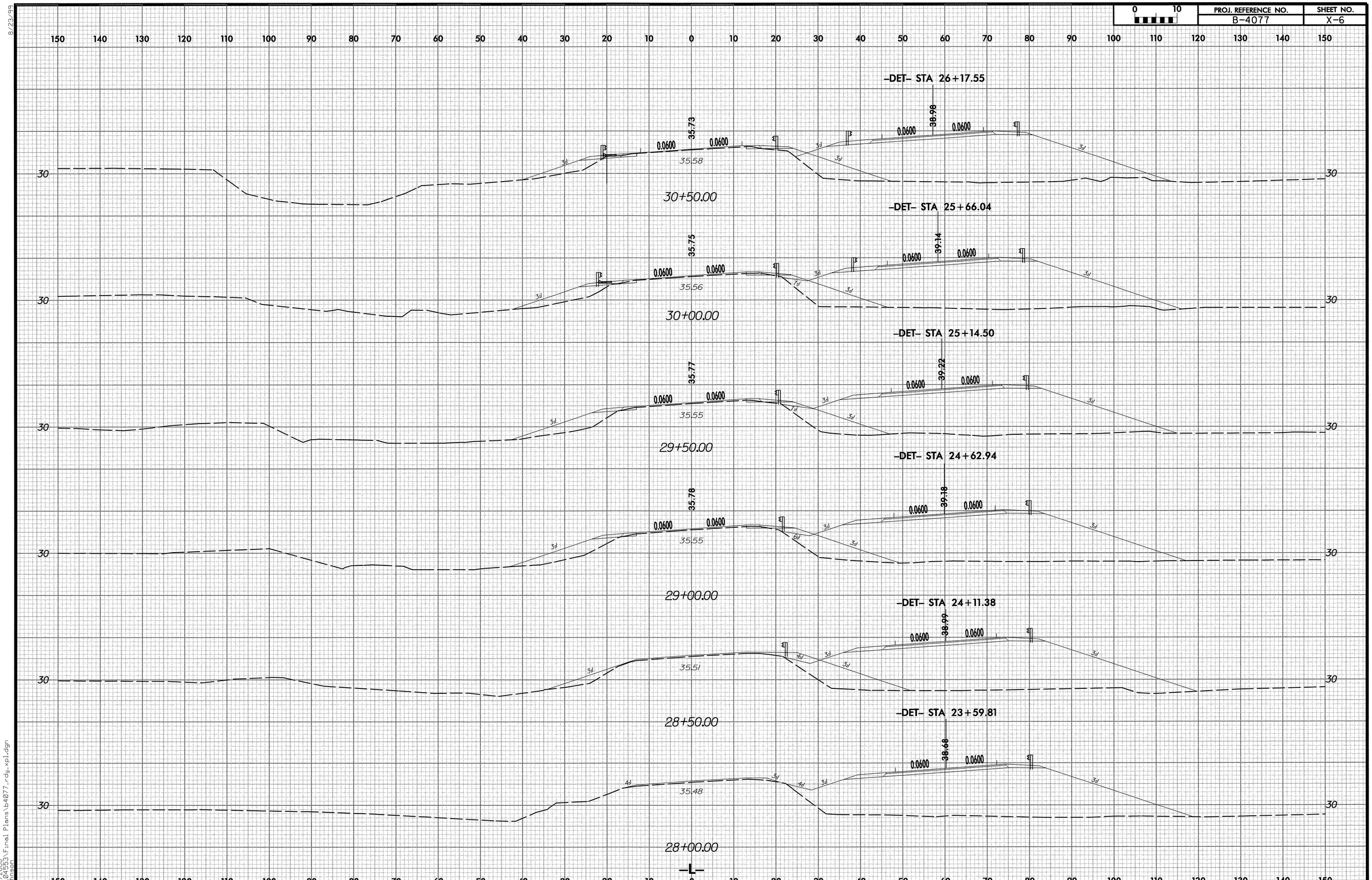

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PROJ. REFERENCE NO.	SHEET NO.
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0 10	PROJ. REFERENCE NO.	SHEET NO.
	B-4077	X-8

–DET– STA 33+83.71

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30 — 30

0.0417 — 3:1 — 3:1 — 3:1 — 35.55

38+00.00

–DET– STA 33+33.33

36.13 — 0.0500 — 3:1 — 3:1 — 3:1 — 35.56

37+50.00

–DET– STA 32+82.75

36.50 — 0.0578 — 0.0600 — 3:1 — 3:1 — 3:1 — 35.53

37+00.00

–DET– STA 32+32.04

36.87 — 0.0601 — 0.0600 — 3:1 — 3:1 — 3:1 — 35.59

36+50.00

–DET– STA 31+81.22

35.82 — 37.20 — 0.0600 — 0.0600 — 0.0606 — 0.0600 — 3:1 — 3:1 — 3:1 — 35.55

36+00.00

–DET– STA 31+30.31

35.81 — 37.44 — 0.0600 — 0.0600 — 0.0600 — 0.0600 — 3:1 — 3:1 — 3:1 — 35.53

35+50.00

–DET– STA 30+79.32

35.81 — 37.60 — 0.0600 — 0.0600 — 0.0600 — 0.0600 — 3:1 — 3:1 — 3:1 — 35.54

35+00.00

–DET– STA 30+28.25

35.80 — 37.75 — 0.0600 — 0.0600 — 0.0600 — 0.0600 — 3:1 — 3:1 — 3:1 — 35.54

34+50.00

–L–

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jpowell

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PROJ. REFERENCE NO. B-4077 | SHEET NO. X-9

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30

35.57

42+00.00

–L– STA. 41+67.63 =
–DET– STA. 37+51.77
END CONSTRUCTION

–DET– STA 37+34.14

3:1 3:1

35.62

41+50.00

–DET– STA 36+84.14

3:1 3:1

35.62

41+00.00

–DET– STA 36+34.14

3:1 3:1

35.56

40+50.00

–DET– STA 35+84.13

3:1 3:1 3:1

35.59

40+00.00

–DET– STA 35+34.11

3:1 3:1 3:1

35.61

39+50.00

–DET– STA 34+84.05

3:1 3:1 3:1

35.59

39+00.00

–DET– STA 34+33.93

4:1 3:1 3:1

35.57

38+50.00

–L–

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

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Tomson