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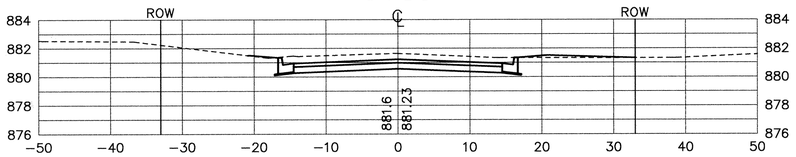

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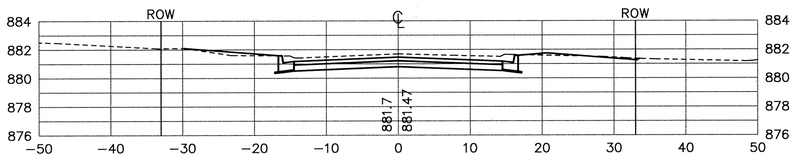

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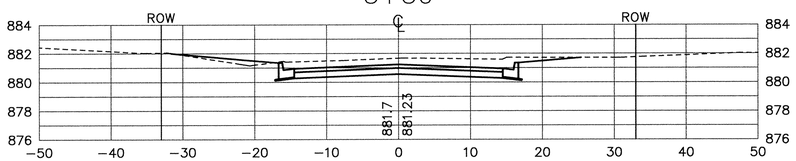

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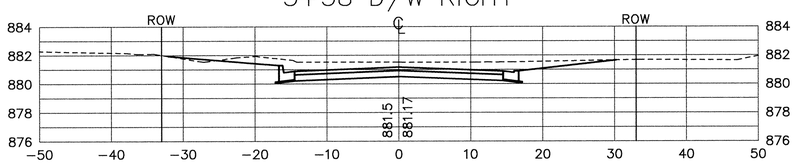

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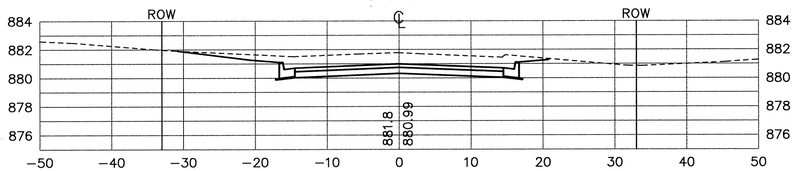

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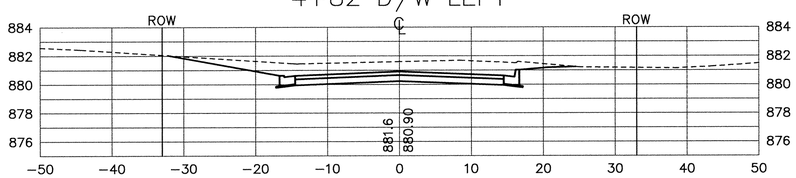

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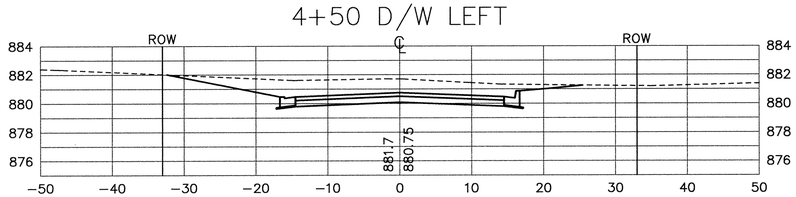
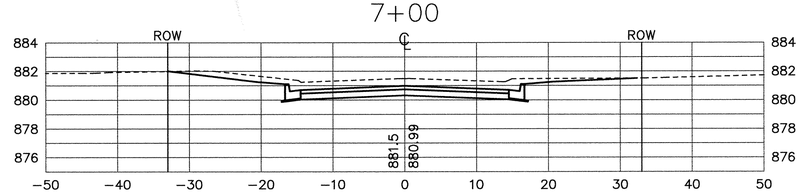


7+00



STATION	AREAS Square Feet		VOLUMES Cubic Yards		CUMULATIVE VOLUMES Cubic Yards	
	CUT	FILL	CUT	FILL	CUT	FILL
0+00	0.00	0.00				
0+50	41.65	0.00	38.56	0.00	38.56	0.00
0+97	49.35	0.00	79.20	0.00	117.77	0.00
1+00	49.45	0.00	5.49	0.00	123.25	0.00
1+50	39.76	0.80	82.60	0.74	205.85	0.74
2+00	28.23	2.98	62.96	3.51	268.81	4.25
2+50	35.16	3.06	58.70	5.60	327.51	9.85
2+58	42.58	1.14	11.52	0.62	339.03	10.47
3+00	47.12	0.00	69.77	0.89	408.80	11.36
3+15	60.39	0.08	29.87	0.02	438.66	11.38
3+50	57.50	0.00	76.41	0.05	515.08	11.43
3+68	60.77	0.03	39.42	0.01	554.50	11.44
4+00	67.89	4.07	76.24	2.43	630.73	13.88
4+50	67.02	0.00	124.91	3.77	755.65	17.65
4+82	59.17	0.00	74.78	0.00	830.43	17.65
5+00	53.62	0.00	37.60	0.00	868.03	17.65
5+38	47.38	0.00	71.08	0.00	939.10	17.65
5+50	41.44	1.07	19.74	0.24	958.84	17.89
6+00	32.26	1.32	68.24	2.22	1027.08	20.10
6+50	36.75	1.69	63.90	2.79	1090.98	22.89
7+00	48.99	0.00	79.38	1.57	1170.37	24.46
7+50	59.05	0.00	100.03	0.00	1270.40	24.46
			0.00	0.00	1270.40	24.46

RECORD DRAWING
OCTOBER 1997

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Terry O Mamen

DATE 12/8/96 REG.NO. 15316

MSA CONSULTING ENGINEERS

1326 ENERGY PARK DRIVE
ST. PAUL, MINNESOTA 55108
(612) 644-4389

REVISIONS	DATE	DESCRIPTION

DESIGNED SEF
CHECKED DB
DRAWN RKM
GRAPHIC SCALE 0 10
0 VERT. 5

CITY OF ELK RIVER
ORONO LAKE 3RD ADDITION
STREET AND UTILITY IMPROVEMENTS
182ND AVENUE
CROSS SECTIONS 4+50 TO 7+00

DATE NOV. 1996 | SHEET 14 OF 31 SHEETS | PROJECT NO. 230-320

ER320-X4

1092

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER
ORONO3.96
14

Sat Dec 7 08:52:05 1996