



STATION	AREAS Square Feet		VOLUMES Cubic Yards		CUMULATIVE VOLUMES Cubic Yards	
	CUT	FILL	CUT	FILL	CUT	FILL
0+00	0.00	0.00	50.15	2.43	50.15	2.43
0+50	54.16	2.62	110.68	5.93	160.83	8.36
1+00	65.38	3.78	134.10	3.50	294.93	11.86
1+50	79.45	0.00	134.13	10.17	429.06	22.03
2+00	65.41	10.99	109.83	42.58	538.89	64.61
2+50	53.21	35.00	92.67	73.80	631.56	138.41
3+00	46.88	44.71	88.29	94.36	719.85	232.77
3+50	48.47	57.21	69.90	90.28	789.75	323.05
3+83	66.77	79.41	42.25	54.64	832.00	377.69
4+00	68.50	79.02	113.40	109.49	945.40	487.18
4+50	55.14	30.11	96.85	60.21	1042.25	547.39
5+00	50.24	32.21	92.16	40.73	1134.41	588.12
5+50	49.39	10.59	89.14	50.39	1223.55	638.50
6+00	46.70	45.89	90.22	48.01	1313.77	686.52
6+50	50.67	11.69	91.20	42.38	1404.97	728.90
7+00	47.78	38.58	90.14	56.36	1495.12	785.25
7+50	49.16	22.33	102.50	29.27	1597.61	814.52
8+00	61.54	9.27	113.52	11.03	1711.14	825.55
8+50	61.07	2.63	104.08	43.22	1815.22	868.77
9+00	51.34	44.04	98.90	63.43	1914.12	932.19
9+50	55.47	24.46	102.13	59.09	2016.25	991.29
10+00	54.83	39.36	96.03	101.93	2112.28	1093.22
10+50	48.89	70.72	87.36	148.46	2199.63	1241.68
11+00	45.46	89.61	74.22	186.45	2273.85	1428.13
11+50	34.70	111.76	67.99	201.78	2341.85	1629.92
12+00	38.73	106.17	71.52	157.08	2413.36	1787.00
12+50	38.51	63.48	68.39	110.23	2481.75	1897.23
13+00	35.35	55.57	64.09	90.89	2545.84	1988.12
13+50	33.86	42.59	64.27	122.24	2610.11	2110.36
14+00	35.55	89.42	66.84	57.13	2676.95	2167.49
14+32	77.24	6.99	45.40	4.25	2722.35	2171.74
14+50	58.97	5.76	154.50	42.27	2876.85	2214.01
15+00	107.89	39.89	139.81	130.03	3016.66	2344.05
15+50	43.11	100.54	81.77	176.64	3098.43	2520.69
16+00	45.21	90.23	85.36	129.44	3183.80	2650.13
16+50	46.99	49.56	90.29	65.74	3274.09	2715.87
17+00	50.53	21.44	99.32	33.53	3373.41	2749.40
17+50	56.74	14.78	48.80	20.43	3422.21	2769.84
17+73	57.82	33.20	87.39	16.67	3509.59	2786.50
18+00	116.95	0.14	162.18	0.08	3671.78	2786.58
18+30	174.98	0.00	0.00	0.00	3671.78	2786.58

DELETED BY CHANGE ORDER  
9/7/94

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.  
*Mark J. Kubham*  
DATE 8/15/94 REG. NO. 19130



1326 ENERGY PARK DRIVE  
ST. PAUL, MINNESOTA 55108  
(612) 644-4389  
  
9800 SHELARD PARKWAY  
MINNEAPOLIS, MINNESOTA 55441  
(612) 546-0432

REVISIONS	DATE	DESCRIPTION	DESIGNED	CHECKED	DRAWN
				PS	

GRAPHIC SCALE  
0 10  
VERT. 5

CITY OF ELK RIVER  
NAPLES STREET NW  
CROSS SECTIONS  
16+50 TO 18+30  
DATE AUG 1994 SHEET 53 OF 63 SHEETS PROJECT NO. 230-223

SAFCO PRODUCTS • NEW HOPKINS, MINNESOTA  
PROJECT 02/94 PART NUMBER 0532  
SAFCO PRODUCTS • NEW HOPKINS, MINNESOTA  
PROJECT 02/94 PART NUMBER 0532  
SAFCO PRODUCTS • NEW HOPKINS, MINNESOTA  
PROJECT 02/94 PART NUMBER 0532