



### EARTHWORK SUMMARY

COMMON EXCAVATION 6800 m3

- 1470 m3 (EXCAV. AT 175TH AVE.)
- 5330 m3 (EXCAV. AT N. TYLER, STA. 0+820 - 1+020)

EMBANKMENT 9075 m3

- 8365 m3 (FILL REQ'D AT S.TYLER, STA. 0+010 - 0+160)
- 710 m3 (FILL REQ'D AT N.TYLER, STA. 0+820 - 1+020)

MATERIAL AVAILABLE FROM EXCAVATION 6800 m3 (EV)/1.35 = 5778 m3 (CV)

MATERIAL REQUIRED FROM STOCKPILE 9075 m3 (CV) - 5778 m3 = 3297 m3 (CV)  
3297 m3 (CV) x 1.35 = 4450 M3 (SV)

**NOTE:**  
FOR MOST OF THE PROJECT, A PRIOR UTILITY PROJECT HAS LEFT THE GRADE AT OR NEAR TO REQUIRED SUBGRADE. SELECT AREAS NOT TO REQUIRED GRADE ARE IDENTIFIED ABOVE AND WILL USE COMMON EXCAVATION AND COMMON BORROW FROM STOCKPILE QUANTITIES.

GRADING, IF NECESSARY, WILL BE CONSIDERED A PART OF PLACEMENT OF CLASS 5. CONSTRUCTION OF SIDEWALK AND TRAIL, TURF ESTABLISHMENT, AND IF NEEDED, DISPOSAL OF COMMON EXCAVATION AND COMMON BORROW FROM STOCKPILE PAY ITEMS.

### STATEMENT OF ESTIMATED QUANTITIES

FOOT NOTE	SPEC REF	ITEM	UNIT	TYLER STREET		CSAH 13	171ST AVE	TOTAL QUANTITIES	FINAL QUANTITIES
				S.P. 204-133-01	S.P. 204-020-03	S.P. 71-613-08	S.P. 204-132-03		
	2504.602	ADJUST VALVE BOX	EA	29	-	2	-	31	
	2504.603	LOWER WATERMAIN	LS	1	-	-	-	1	
6	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC 3	EA	2	-	-	-	2	
	2506.502	CONST DRAINAGE STRUCTURE DES SPEC 600 mm x 900 mm	EA	100	26	-	-	126	
	2506.502	CONST DRAINAGE STRUCTURE DESIGN J - 1000 mm x 1200 mm	EA	2	-	-	-	2	
	2506.502	CONST DRAINAGE STRUCTURE DES 1200 mm 4020	EA	23	16	-	-	39	
	2506.502	CONST DRAINAGE STRUCTURE DES 1350 mm 4020	EA	2	-	-	-	2	
	2506.502	CONST DRAINAGE STRUCTURE DES 1500 mm 4020	EA	1	-	-	-	1	
	2506.502	CONST DRAINAGE STRUCTURE DES 1650 mm 4020	EA	1	-	-	-	1	
	2506.502	CONST DRAINAGE STRUCTURE DES 1800 mm 4020	EA	6	-	-	-	6	
	2506.502	CONST DRAINAGE STRUCTURE DES 2100 mm 4020	EA	4	-	-	-	4	
	2506.502	CONST DRAINAGE STRUCTURE DES 3000 mm 4020	EA	4	-	-	-	4	
	2506.502	CONST DRAINAGE STRUCTURE DESIGN J - 1200 mm x 1200 mm	EA	2	-	-	-	2	
	2506.502	CONST DRAINAGE STRUCTURE DESIGN SPEC J - 1350 mm x 1200 mm	EA	5	-	-	-	5	
13	2506.503	RECONSTRUCT DRAINAGE STRUCTURE	m	-	1.5	-	-	1.5	
14	2506.516	CASTING ASSEMBLY	EA	2	-	-	-	2	
	2506.522	ADJUST FRAME AND RING CASTING	EA	33	12	2	-	47	
15	2506.602	CONNECT INTO EXISTING DRAINAGE STRUCTURE	EA	1	-	-	-	1	
16	2506.602	CONNECT INTO EXISTING STORM SEWER	EA	-	1	-	-	1	
17	2506.602	CONNECT INTO EXISTING MANHOLE	EA	2	2	-	-	4	
	2506.602	RECONSTRUCT CAP SKIMMER	EA	-	1	-	-	1	
	2511.502	RANDOM RIPRAP CL IV	t	62	-	-	-	62	
	2521.501	100 mm CONCRETE WALK	m2	4800	1700	-	-	6500	
	2531.501	CONCRETE CURB & GUTTER DESIGN B618	m	9730	3780	-	-	13 510	
	2531.503	CONCRETE MEDIAN	m2	1200	100	-	-	1300	
	2531.507	150 mm CONCRETE DRIVEWAY PAVEMENT	m2	34	12	-	-	46	
	2531.602	CONCRETE ENTRANCE NOSE DES 7113	EA	14	4	-	-	18	
	2531.602	PEDESTRIAN CURB RAMP	EA	16	4	-	-	20	
	2545.511	LIGHTING UNIT TYPE SPECIAL	EA	45	17	-	7	69	
	2545.515	LIGHTING BASE DESIGN SPECIAL	EA	45	17	-	7	69	
	2545.521	53 mm RIGID STEEL CONDUIT	m	175	65	-	25	265	
	2545.523	53 mm NONMETALLIC CONDUIT	m	4725	615	-	700	6040	
	2545.531	UNDERGROUND WIRE 1 COND NO 4	m	14 175	1845	-	2100	18 120	
	2545.533	PULL BOX	EA	3	1	-	-	4	
	2545.541	SERVICE CABINET	EA	3	1	-	-	4	
	2545.545	EQUIPMENT PAD	EA	3	1	-	-	4	
	2554.505	PERMANENT BARRICADES	m	-	-	7	-	7	
	2557.603	BARBED WIRE FENCE	m	-	20	-	-	20	
	2557.603	RELOCATE BARBED WIRE FENCE	m	-	150	-	-	150	
19	2563.601	TRAFFIC CONTROL AREA 1	LS	0.34	0.33	0.33	-	1	
20	2563.601	TRAFFIC CONTROL AREA 2	LS	0.5	0.5	-	-	1	
	2564.531	F & I SIGN PANELS TYPE C	m2	25	12	-	-	37	
	2564.602	PAVT MSSG (RR XING) POLY PREF	EA	4	-	-	-	4	
	2564.602	PAVEMENT MESSAGE (LEFT ARROW) EPOXY	EA	11	2	-	-	13	
	2564.603	100 mm SOLID LINE WHITE - EPOXY	m	507	402	1788	-	2697	
	2564.603	100 mm BROKEN LINE WHITE - EPOXY	m	5120	1800	-	-	6920	
	2564.603	100 mm SOLID LINE YELLOW - EPOXY	m	135	244	-	-	379	
	2564.603	100 mm DOUBLE SOLID LINE YELLOW - EPOXY	m	168	130	894	-	1192	
	2564.603	600 mm STOP LINE WHITE - POLY PREFORMED	m	70	15	-	-	85	
	2564.603	600 mm SOLID LINE YELLOW - EPOXY	m	15	25	-	-	40	
	2564.604	CROSSWALK MARKING - EPOXY	m2	18	14	-	-	32	
	2565.602	PVC HANDHOLE (METAL FRAME AND COVER)	EA	2	2	-	-	4	
	2565.603	103 mm RIGID STEEL CONDUIT	m	75	75	-	-	150	
	2573.501	BALE CHECK	EACH	100	-	-	-	100	
	2573.502	SILT FENCE TYPE HEAVY DUTY MAINTAINED	m	1175	325	-	-	1500	
	2573.602	TEMPORARY ROCK CONSTRUCTION ENTRANCE	EACH	1	-	-	-	1	
	2575.501	SEEDING	ha	0.84	0.18	-	-	1.02	
	2575.502	SEED MIXTURE 50A	kg	42	9	-	-	51	
	2575.505	SODDING	m2	44 570	18 000	-	-	62 570	
	2575.511	MULCH MATERIAL TYPE 1	t	3.8	0.8	-	-	4.6	
	2575.519	DISK ANCHORING	ha	0.84	0.18	-	-	1.02	
	2575.523	EROSION CONTROL BLANKET, CATEGORY 3	m2	700	-	-	-	700	
	2575.531	COMMERCIAL FERT ANALYSIS 10-10-10	t	0.47	0.10	-	-	0.57	
	2580.501	TEMPORARY LANE MARKING	m	5000	1900	-	-	6900	

DESIGNED BY: --- DRAWN BY: *RG*  
 APPROVED: --- JOB NUMBER 800110J  
 CAD DATE: November 09, 1999 12:44:54 p.m.  
 CAD FILE: 800110T\MISC\EST QUANTITIES-2.DWG

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.  
 DATE \_\_\_\_\_ REG. NO. \_\_\_\_\_

NO.	DATE	BY	REVISION DESCRIPTION
1	10-20-99	PB	DR. ST. 800 mm x 900 mm
2	11-9-99	RM	REVISE QUANTITIES



Howard R. Green Company  
CONSULTING ENGINEERS

1326 ENERGY PARK DRIVE  
ST. PAUL, MINNESOTA 55108  
(612) 644-4388

CITY OF ELK RIVER  
EASTERN AREA  
TYLER STREET IMPROVEMENTS

ESTIMATED QUANTITIES  
SP 71-613-08, SP 204-020-03, SP 204-133-01, SP 204-132-03

SHEET NO.  
**G3A**