

CONTRACT NO. 87352

TREE REMOVAL			
STATION	OFFSET	6 TO 15 UNITS DIAMETER	OVER 15 UNITS DIAMETER
C.H. 20 (ETNA RD.)			
7+48.2	44.6' RT	6	
7+91.6	52.4' RT	6	
15+80.9	22.9' LT	10	
16+29.1	22.9' LT	8	
17+51.1	34.5' LT	8	
18+06.0	28.3' LT	6	
21+45.5	32.8' LT	6	
22+05.2	28.1' LT	6	
C.H. 20 (CHAMPLAIN ST.)			
152+77.0	39.7' RT	8	
152+91.6	38.4' RT	8	
153+07.0	40.5' RT	8	
172+51.5	35.4' LT		22
182+62.6	38.8' RT	10	
TOTAL		90	22
USE		90	22

EARTHWORK							
1		2	3	4	5	6	7
LOCATION		EARTH EXCAVATION	UNSATURABLE OR UNSTABLE MATERIAL	POROUS GRANULAR EMBANKMENT	EARTH EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE(+) OR SHORTAGE(-)
STATION	TO STATION	CU YD					
C.H. 20 (ETNA RD.)							
STAGE 1							
10+00	TO 32+00	1071.5			803.6	579.9	223.7
STAGE 2							
10+00	TO 62+00	11880.0			8910.0	856.7	8053.3
STAGE 3							
6+31	TO 62+00	11084.4			8313.3	1718.0	6595.3
CENTENNIAL DR.							
900+00	TO 903+00	720.0			540.0		540.0
C.H. 20 (CHAMPLAIN ST.)							
151+00	TO 203+25	1749.7			1312.2	7907.9	-6595.7
TO BE DETERMINED BY ENGINEER*			500.0	500.0			
TOTAL		26505.6	500.0	500.0	19879.1	11062.5	8816.6
USE		26506	500	500			

*SEE SPECIAL PROVISIONS.
SHRINKAGE FACTORS: 25%
EARTH EXCAVATION:
COLUMN 1, 2 & 6 - LOCATION AND QUANTITIES FROM CROSS SECTIONS.
CUT = EARTH EXCAVATION FILL = EMBANKMENT
COLUMN 5 = (COLUMN 2) x (1 - EARTH EXCAVATION SHRINKAGE FACTOR)
COLUMN 7 = COLUMN 6 - COLUMN 5

TEMPORARY DITCH CHECKS		
STATION	SIDE	EACH
C.H. 20 (ETNA RD.)		
32+50	LT	1
C.H. 20 (CHAMPLAIN ST.)		
162+75	LT	1
164+00	LT	1
164+25	RT	1
165+20	LT	1
165+25	RT	1
165+75	LT	1
166+00	RT	1
168+30	RT	1
169+00	RT	1
169+75	RT	1
170+30	RT	1
171+30	RT	1
175+30	RT	1
183+50	RT	1
184+00	RT	1
184+50	RT	1
184+90	RT	1
185+20	RT	1
185+60	LT	1
185+70	RT	1
186+60	LT	1
187+70	RT	1
188+00	LT	1
189+20	LT	1
190+50	LT	1
192+00	LT	1
192+60	LT	1
193+00	RT	1
193+70	LT	1
194+25	RT	1
194+60	LT	1
195+00	RT	1
195+50	LT	1
195+75	RT	1
196+20	LT	1
196+50	RT	1
196+75	LT	1
197+25	RT	1
197+30	LT	1
197+75	RT	1
198+00	LT	1
198+75	RT	1
199+00	LT	1
199+25	RT	1
200+00	LT	1
200+50	RT	1
202+50	RT	1
TOTAL		48
USE		48

INLET AND PIPE PROTECTION		
STATION	OFFSET (FT)	EACH
C.H. 20 (ETNA RD.)		
8+44.92	63.69 RT	1
13+75.00	41.0 LT	1
31+90.00	51.0 LT	1
32+10.00	51.0 LT	1
37+80.00	35.6 LT	1
39+00.00	35.6 LT	1
46+30.00	28.58 LT	1
49+15.00	28.58 LT	1
51+65.00	28.58 LT	1
52+90.00	28.58 LT	1
54+90.00	28.58 LT	1
56+65.00	28.58 LT	1
59+15.00	28.58 LT	1
61+05.00	28.58 LT	1
61+68.45	40.0 LT	1
62+30.00	34.0 LT	1
62+59.89	51.04 LT	1
C.H. 20 (CHAMPLAIN ST.)		
162+00.00	34.0 LT	1
166+50.00	37.0 LT	1
166+75.00	26.0 RT	1
169+25.00	34.0 LT	1
171+50.00	25.5 RT	1
171+75.00	36.0 LT	1
173+50.00	33.5 RT	1
175+50.00	35.0 RT	1
179+00.00	28.0 RT	1
183+00.00	35.0 RT	1
183+85.00	30.0 RT	1
186+18.00	33.0 RT	1
187+50.00	34.0 RT	1
187+75.00	43.0 LT	1
188+50.00	33.0 RT	1
190+00.00	40.0 LT	1
190+05.00	30.0 RT	1
191+00.00	39.0 LT	1
191+00.00	35.0 RT	1
191+50.00	39.0 LT	1
193+50.00	35.0 LT	1
193+50.00	32.0 RT	1
195+25.00	34.0 LT	1
195+25.00	29.0 RT	1
197+75.00	31.0 RT	1
197+75.00	34.0 LT	1
TOTAL		43
USE		43

EXPLORATION TRENCH, 52" DEPTH				
STATION +/-	TO	STATION +/-	SIDE	LENGTH FOOT
C.H. 20 (ETNA RD.)				
24+00.00	TO	34+00.00	LT	1000
C.H. 20 (CHAMPLAIN ST.)				
156+00.0	TO	200+00.00	RT	700
TOTAL				1700
USE				1700

TOPSOIL, SEEDING, MULCH, NUTRIENTS & EROSION CONTROL BLANKET									
LOCATION		TOPSOIL FURNISH AND PLACE, 4"	SEEDING CLASS 1A	SEEDING CLASS 2A	MULCH METHOD 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHOROUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	EROSION CONTROL BLANKET
STATION +/- TO	STATION +/-	SQ YD	ACRE	ACRE	TON	POUND	POUND	POUND	SQ YD
C.H. 20 (ETNA RD.)									
6+00	TO 62+50	16089	1.13	2.19	4.38	298.8	298.8	298.8	5469.2
DRAINAGE EASEMENT AREA		166	0.03			2.7	2.7	2.7	166.0
C.H. 20 (CHAMPLAIN ST.)									
154+04	TO 203+30	18286	2.14	1.63	3.26	339.3	339.3	339.3	10357.6
TOTAL		34541	3.30	3.82	7.64	640.80	640.80	640.80	15992.80
USE		34541	4	4	8	641	641	641	15993

NOTES: AREAS OF MULCH HAVE BEEN DEDUCTED FROM EROSION CONTROL BLANKET AREAS.
SEEDING CLASS 1A SHALL BE USED AT EROSION CONTROL BLANKET LOCATIONS.
SEEDING CLASS 2A SHALL BE USED AT AREAS TO BE MULCHED.
SEE EROSION CONTROL PLANS FOR LOCATIONS.

PERIMETER EROSION BARRIER						
STATION	SIDE	OFFSET	TO	STATION	OFFSET	LENGTH FOOT
C.H. 20 (ETNA RD.)						
30+50.0	RT	45.00	TO	31+50.0	45.00	100.0
31+50.0	RT	45.00	TO	32+00.0	60.00	50.0
32+00.0	RT	60.00	TO	32+50.0	45.00	50.0
32+50.0	RT	45.00	TO	33+50.0	50.00	100.0
33+50.0	RT	50.00	TO	34+00.0	50.00	50.0
34+00.0	RT	50.00	TO	34+50.0	40.00	50.0
34+50.0	RT	40.00	TO	35+00.0	40.00	50.0
51+35.0	RT	45.00	TO	53+30.0	45.00	195.0
54+00.0	RT	45.00	TO	57+00.0	45.00	300.0
59+50.0	RT	45.00	TO	62+50.0	45.00	300.0
C.H. 20 (CHAMPLAIN ST.)						
155+25.0	RT	29.67	TO	155+50.0	40.00	25.0
155+50.0	RT	40.00	TO	156+35.0	40.00	85.0
156+35.0	RT	40.00	TO	156+35.0	65.00	25
156+70.0	RT	40.00	TO	156+70.0	65.00	25
156+70.0	RT	40.00	TO	157+20.0	40.00	50.0
157+20.0	RT	40.00	TO	157+20.0	65.00	25
157+49.0	RT	29.76	TO	157+50.7	65.00	35.24
157+50.7	RT	29.67	TO	158+00.0	29.67	49.3
158+00.0	RT	29.67	TO	158+00.0	65.00	35.3
158+70.0	RT	40.00	TO	158+70.0	65.00	25.0
158+70.0	RT	40.00	TO	159+40.0	30.00	70.0
159+40.0	RT	40.00	TO	159+40.0	65.00	25.0
159+70.0	RT	29.77	TO	159+70.0	65.00	35.2
159+70.0	RT	29.77	TO	163+00.0	30.00	330.0
172+00.0	LT	40.00	TO	173+50.0	55.00	150.0
173+50.0	LT	46.76	TO	176+00.0	43.52	250.0
176+00.0	LT	50.00	TO	178+00.0	40.00	200.0
178+00.0	LT	40.00	TO	182+00.0	40.00	400.0
TOTAL						3085.1
USE						3086

PAVEMENT																		
LOCATION		BITUMINOUS MATERIAL (PRIME COAT) 0.08 GAL/SQ YD	BITUMINOUS MATERIAL (PRIME COAT) 0.375 GAL/SQ YD	AGGREGATE (PRIME COAT)	PCC BASE COURSE WIDENING, VARIABLE DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	PAVEMENT REMOVAL	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 8"	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 2 1/4"	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 1 1/2" & VAR.	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"	SUB-BASE GRANULAR MATERIAL, TYPE A, 4"	SUB-BASE GRANULAR MATERIAL, TYPE A, 12"	AGGREGATE SHOULDERS, TYPE B	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	
STATION	TO STATION	GALLON	GALLON	TON	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	TON	SQ YD	SQ YD	TON	SQ YD	SQ YD	
C.H. 20 (ETNA RD.)																		
6+31.07	TO 9+00.00		1313.4			1096.9						174.3	49.0			124.7	479.2	71.5
9+73.88	TO 62+85.00	2012.3	9432.9	50.3				18013.9	11269.0	3169.4		2113.0				28932.6		113.8
CHERIE LN.			130.5					357.6	155.9	43.8		29.2				408.3		
CENTENNIAL DR.			339.9					969.7	406.0	114.2		76.1				1098.4		
TURNBERRY RD.			94.5					285.6	112.9	31.7		21.1				324.0		
C.H. 20 (CHAMPLAIN ST.)																		
151+50.00	TO 203+25.00	1211.2		30.2	886.9	1085.0	973.2	200.0				3385.0	1271.6	3920.7		42.0	146.6	30.0
RIVER EDGE CIR.		14.6			12.8							46.0	15.3			40.0		14.0
TOTAL		3238.1	11311.2	80.5	899.7	2181.9	973.2	19826.8	12118.1	3408.1		3431.0	3651.0	4399.9	30763.3	42.0	186.6	229.3
USE		3239	11312	81	900	2182	974	19827	12119	3409		3431	3651	4400	30764	42	187	230