

TREE REMOVAL				
STATION	OFFSET	SIDE	6 TO 15	OVER 15
			UNITS	UNITS
Diameter				
C.H. 35 (55TH ST.)				
24+34.4	31.9	RT	6	
33+21.6	32.1	RT	13	
35+46.9	28.5	RT		24
35+48.0	30.0	RT		30
38+42.8	34.5	LT		32
38+65.1	35.3	RT	12	
38+73.1	35.7	RT	12	
38+94.7	36.1	RT	10	
39+01.4	36.2	RT	10	
39+11.7	36.0	RT	8	
39+17.9	35.7	RT	10	
39+25.3	35.6	RT	10	
39+34.1	35.7	RT	8	
39+41.6	35.9	RT	10	
39+78.7	29.9	LT		18
51+83.2	33.3	LT	10	
51+98.5	35.5	LT	8	
51+98.7	32.9	LT	8	
52+30.6	32.6	LT	6	
52+30.6	32.6	LT	6	
52+44.9	33.6	LT		18
52+57.9	32.7	LT	10	
52+71.4	33.5	LT	15	
52+94.8	34.0	LT	15	
57+02.8	29.8	RT		26
76+03.6	38.2	RT		21
84+58.8	35.6	LT	13	
85+06.7	33.0	LT	6	
86+53.3	39.9	LT		24
86+84.3	37.5	LT		22
87+13.6	36.0	LT	10	
87+13.7	38.5	LT		16
87+34.8	41.1	LT		21
88+03.8	45.1	LT		18
90+87.6	34.0	RT	8	
90+92.8	32.9	RT		18
91+00.1	39.4	RT	8	
91+25.0	30.6	RT	9	
91+85.9	37.6	RT		18
92+06.7	36.4	RT	6	
92+26.8	34.7	RT	8	
92+33.8	38.6	RT	6	
92+63.3	36.4	RT	6	
92+63.3	36.4	RT	6	
92+63.3	36.4	RT	6	
92+68.1	34.4	RT	6	
92+68.1	34.4	RT	6	
92+68.1	34.4	RT	6	
92+68.6	30.3	RT	6	
92+71.8	29.9	RT	8	
92+71.8	29.9	RT	8	
98+72.0	37.4	LT	7	
98+83.7	34.7	LT		16
98+90.3	44.3	RT	8	
98+92.4	44.2	RT	6	
CASS AVE. (SOUTH LEG)				
193+90.5	35.5	RT		22
193+91.7	33.7	RT	15	
193+91.7	33.7	RT	15	
193+92.9	35.6	RT		20
194+03.8	31.5	LT		22
194+17.1	33.8	RT	10	
194+45.9	32.0	LT		24
194+56.1	36.4	RT	14	
195+41.1	32.4	LT		31
196+93.9	33.4	LT	10	
197+79.3	36.8	RT		16
CASS AVE. (NORTH LEG)				
200+53.6	35.6	LT		30
200+76.2	35.1	LT		30
202+35.0	23.5	LT	6	
202+73.4	23.0	LT	10	
202+99.3	24.5	LT	10	
CLARENDON HILLS RD.				
701+59.4	28.5	LT	8	
701+82.0	28.6	LT	8	
701+98.8	28.6	LT		22
702+03.4	24.6	LT	8	
702+03.6	26.7	LT	6	
702+03.6	26.7	LT	6	
702+47.0	34.3	LT	11	
702+49.4	33.9	LT	6	
703+26.7	25.0	LT	6	
703+72.8	25.7	LT	6	
704+00.1	26.3	LT	6	
704+10.6	23.9	RT		24
PROSPECT AVE.				
800+51.5	25.5	RT		24
800+67.0	24.2	LT		19
TOTAL			501	606

TREE TRUNK PROTECTION			
STATION	SIDE	OFFSET FOOT	EACH
C.H. 35 (55TH ST.)			
26+00.8	RT	35.3	1
26+28.7	RT	35.3	1
32+81.3	LT	51.2	1
99+95.6	RT	47.4	1
TOTAL			4

TEMPORARY FENCE				
STATION	OFFSET	SIDE	FOOT	
C.H. 35 (55TH ST.)				
34+98.00	TO 36+15.00	37.6	RT	117
36+95.00	TO 38+20.00	37.6	LT	125
CASS SUB-TOTAL				242
C.H. 35 (55TH ST.)				
90+90.00	TO 94+55.00	37.6	LT	365
NON CASS SUB-TOTAL				365
TOTAL				607

EARTHWORK					
1	2	3	4	5	6
LOCATION	REMOVAL OF UNSUITABLE MATERIAL	EARTH * EXCAVATION	EARTH EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE(+) OR SHORTAGE(-)
CU YD					
STAGE 1					
C.H. 35 (55TH ST.)	0	471	353	0	353
STAGE 2					
C.H. 35 (55TH ST.)	0	3032	2274	495	1779
CASS AVE. (NORTH LEG)	0	116	87	6	81
CASS AVE. (SOUTH LEG)	0	444	333	37	296
CLARENDON HILLS RD.	0	214	161	151	10
STAGE 3					
C.H. 35 (55TH ST.)	0	2832	2124	714	1410
CASS AVE. (NORTH LEG)	0	286	215	0	215
CASS AVE. (SOUTH LEG)	0	467	350	10	340
POST STAGE 3					
C.H. 35 (55TH ST.)	0	1533	1150	145	1005
TO BE DETERMINED BY THE ENGINEER*					
	500				
TOTAL	500	9395	7046	1558	5488

*SEE SPECIAL PROVISIONS.

SHRINKAGE FACTORS: 25%

EARTH EXCAVATION:
 COLUMN 1, 3, & 5 - LOCATION AND QUANTITIES FROM CROSS SECTIONS.
 CUT = EARTH EXCAVATION, FILL = EMBANKMENT, USM = UNSUITABLE MATERIAL
 COLUMN 4 = (COLUMN 2 + COLUMN 3) x (EARTH EXCAVATION SHRINKAGE FACTOR)
 COLUMN 6 = COLUMN 4 - COLUMN 5

PAY ITEMS:
 COLUMN # 3 EARTH EXCAVATION = 9395 CU YD
 COLUMN # 2 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 500 CU YD

TOPSOIL, SODDING, SUPPLEMENTAL WATERING & NUTRIENTS									
STATION +/-	TO	STATION +/-	SIDE	TOPSOIL FURNISH AND PLACE 6"	SODDING, SALT TOLERANT	SUPPLEMENTAL WATERING	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT
				SQ YD	SQ YD	UNIT	POUND	POUND	POUND
C.H. 35 (55TH ST.)									
22+50.0	TO	32+06.4	RT	342	342	4.1	4.2	4.2	4.2
NON CASS SUB-TOTAL				342	342	4.1	4.2	4.2	4.2
32+06.4	TO	42+42.0	LT	298	298	3.6	3.7	3.7	3.7
32+06.4	TO	42+42.0	RT	284	284	3.4	3.5	3.5	3.5
CASS AVE.									
193+39.5	TO	200+00.0	LT	172	172	2.1	2.1	2.1	2.1
193+39.5	TO	200+00.0	RT	216	216	2.6	2.7	2.7	2.7
200+00.0	TO	204+71.2	LT	132	132	1.6	1.6	1.6	1.6
200+00.0	TO	204+71.2	RT	59	59	0.7	0.7	0.7	0.7
CASS SUB-TOTAL				1161	1161	13.9	14.4	14.4	14.4
42+42.0	TO	101+00.0	LT	2381	2381	28.6	29.5	29.5	29.5
42+42.0	TO	101+00.0	RT	3740	3740	44.9	46.4	46.4	46.4
LINDEN ST.									
300+50.0	TO	302+00.0	LT	29	29	0.4	0.4	0.4	0.4
300+50.0	TO	302+00.0	RT	46	46	0.5	0.6	0.6	0.6
400+00.0	TO	402+00.0	LT	45	45	0.5	0.6	0.6	0.6
400+00.0	TO	402+00.0	RT	52	52	0.6	0.6	0.6	0.6
ALABAMA AVE.									
501+00.0	TO	501+50.0	LT	13	13	0.2	0.2	0.2	0.2
501+00.0	TO	501+50.0	RT	69	69	0.8	0.9	0.9	0.9
WALKER AVE.									
600+00.0	TO	602+00.0	LT	133	133	1.6	1.6	1.6	1.6
600+00.0	TO	602+00.0	RT	100	100	1.2	1.2	1.2	1.2
CLARENDON HILLS RD.									
701+50.0	TO	704+50.0	LT	404	404	4.8	5.0	5.0	5.0
701+50.0	TO	704+50.0	RT	251	251	3.0	3.1	3.1	3.1
PROSPECT AVE.									
800+00.0	TO	802+00.0	LT	67	67	0.8	0.8	0.8	0.8
800+00.0	TO	802+00.0	RT	73	73	0.9	0.9	0.9	0.9
NON CASS SUB-TOTAL				7402	7402	89	92	92	92
NON CASS TOTAL				7744	7744	92.9	96.0	96.0	96.0
CASS TOTAL				1161	1161	13.9	14.4	14.4	14.4
TOTAL				8905	8905	106.9	110.4	110.4	110.4
USE				8905	8905	107	111	111	111

NOTES: 4 APPLICATIONS OF SUPPLEMENTAL WATERING HAVE BEEN ESTIMATED.
 FERTILIZER NUTRIENT IS FIGURED AT THE RATE OF APPLICATION OF 60 POUNDS/ACRE.
 A UNIT = 1000 GAL.
 SUPPLEMENTAL WATERING SHALL BE APPLIED AT 3 GAL/SOYD.