TREE REMOVAL

STATION	OFFSET	SIDE	6 TO 15 UNITS DIAMETER UNIT	OVER 15 UNITS DIAMETER UNIT
T.R. 55 (RENWICK RD.)				
111+45.1	25.6	LT.		16
111+62.4	15.3	LT.	13	
111+70.1	0.9	LT.	15	
111+74.9	14.8	LT.	14	
111+82.5	0.9	LT.	12	
111+88.3	14.7	LT.		16
111+90.5	3.2	RT.	10	
111+95.6	0.8	LT.		16
112+02.1	13.6	LT.	11	
112+09.5	0.2	LT.		19
112+17.0	13.3	LT.		17
112+17.7	5.9	RT.	10	
112+22.1	0.1	RT.		19
112+29.8	26.5	RT.	11	
112+39.4	22.1	RT.	12	
112+42.3	31.8	RT.	10	
112+43.3	21.1	RT.	10	
112+54.1	31.0	RT.	13	
112+54.1	31.0	RT.	13	
112+55.1	26.0	RT.	10	
112+62.7	28.6	RT.	10	
112+62.7	28.6	RT.	11	
112+65.7	27.0	LT.	12	
112+73.1	27.2	LT.	12	
112+86.2	19.6	LT.		34
112+87.8	26.9	LT.	11	
112+95.5	27.0	LT.	10	
113+20.4	13.9	LT.	15	
113+25.5	26.5	LT.		16
113+35.1	26.5	LT.	14	
113+46.0	26.2	LT.		19
113+50.3	18.0	LT.		18
113+65.0	28.9	LT.		20
113+66.8	27.0	LT.		17
113+84.3	16.4	LT.	10	
113+84.3	16.4	LT.	10	
113+87.0	27.4	LT.	10	
113+98.9	27.3	LT.	10	
113+98.9	27.3	LT.	10	
113+98.9	27.3	LT.	10	
114+07.9	28.1	LT.	14	
114+19.0	27.2	LT.	14	
114+47.3	25.1	LT.		23
114+72.2	14.6	RT.	11	
114+77.6	11.3	RT.	10	
114+78.9	25.7	RT.		27
114+83.3	7.5	RT.	11	
116+16.4	30.0	RT.		19
116+39.9	6.8	RT.		19
117+01.1	47.4	LT.	13	
117+02.4	43.1	LT.	10	
117+02.4	43.1	LT.	11	
117+05.1	20.3	LT.	10	
117+08.5	46.5	LT.	10	
117+16.8	43.7	LT.	11	
117+20.4	41.7	RT.	10	
117+26.9	45.4	LT.	13	
117+34.0	40.5	RT.	10	
117+36.5	47.5	RT.		16
117+54.8	25.5	RT.		18
117+63.6	21.0	RT.	10	
117+76.1	9.6	LT.	10	
117+82.4	11.5	LT.	13	
117+83.6	5.0	LT.	11	
117+89.1	24.2	LT.	12	
118+03.0	17.1	LT.	12	
118+06.5	19.6	LT.	12	
118+12.8	33.8	LT.	11	
118+26.4	29.5	LT.		25
118+26.4	29.5	LT.		22
119+39.5	3.2	LT.		17
119+39.5	3.2	LT.		18
119+41.6	13.4	LT.		18
119+46.1	8.5	LT.		18
119+55.1	17.4	RT.		16
119+70.3	22.8	LT.		16
119+73.9	26.8	LT.		16
119+73.9	26.8	LT.		18
119+80.6	0.9	LT.		20
119+91.7	27.5	LT.	12	
119+92.9	2.4	LT.		17
119+95.2	16.8	RT.	15	
120+21.4	30.3	LT.	11	
122+12.0	33.3	RT.		17
122+18.7	35.8	RT.		37
122+21.4	4.5	RT.	10	
122+24.2	15.5	RT.	12	
122+37.5	30.2	LT.		23
122+87.9	5.5	LT.		34
122+95.1	32.2	RT.		35
123+32.4	41.5	LT.		25
123+65.9	19.8	RT.		36
123+71.7	17.1	LT.		20
124+24.1	23.0	LT.		47
124+44.4	31.2	LT.		36
124+53.1	0.2	LT.		45
125+42.8	6.9	RT.	11	
125+53.0	7.2	RT.	11	
125+53.6	16.7	RT.	11	
125+89.4	38.8	RT.	10	
125+89.4	38.8	RT.	10	
126+37.3	42.2	LT.		38
127+37.4	39.2	LT.		32
127+89.3	37.4	LT.		18
128+11.5	37.1	LT.		20
130+23.5	33.3	RT.		23
131+04.9	31.2	RT.	11	
133+67.3	29.2	RT.	12	
133+86.4	25.1	RT.	14	
RIVER RD.				
8+42.8	21.2	RT.	11	
8+42.8	22.2	RT.	11	
8+51.8	22.3	RT.	15	
8+52.3	22.8	RT.	11	
8+54.0	22.3	LT.	12	
8+54.4	20.9	RT.	12	
8+63.3	25.0	RT.	11	
8+67.1	21.0	RT.	11	
8+68.1	21.3	RT.	11	
8+79.8	22.7	RT.	12	
8+84.2	22.3	RT.		16
8+84.3	28.2	RT.	10	
8+89.2	28.8	LT.	12	
9+01.3	24.5	RT.	14	
9+17.3	22.7	RT.	11	
9+21.7	23.2	RT.	13	
9+21.8	24.7	RT.		16
9+34.1	22.4	RT.	11	
9+34.6	20.9	RT.	10	
9+51.6	21.6	RT.	11	
9+57.0	29.7	RT.		21
9+57.1	20.7	RT.	12	
9+57.1	23.7	RT.	13	
9+69.1	22.3	RT.	14	
9+74.1	21.9	RT.	13	
9+80.1	22.0	RT.	10	
10+09.6	23.9	RT.	12	
10+10.6	23.9	RT.	13	
14+30.7	34.9	LT.		37
14+34.3	35.1	LT.		33
14+87.9	26.2	LT.	13	
15+95.4	19.0	LT.		20
16+23.5	32.9	LT.	14	
16+23.5	32.9	LT.	15	
16+47.6	18.9	LT.		18
16+61.4	30.1	RT.	10	
16+61.4	17.7	LT.	15	
16+71.9	19.1	LT.	14	
16+79.6	22.9	LT.		21
17+17.9	23.2	LT.		30
18+11.0	30.5	LT.		18
18+56.9	20.8	LT.	10	
18+59.9	19.5	LT.	10	
18+67.4	27.3	LT.		28
18+67.7	23.1	LT.		28
18+76.7	32.9	LT.	10	
OLD RENWICK RD.				
39+29.0	30.1	RT.	14	
39+35.5	28.9	RT.		16
39+48.9	30.5	RT.	10	
TOTAL			1162	1358
USE			1162	1358

THE TREE SIZES IN THE PLANS DO NOT MATCH THIS SCHEDULE. EACH TREE ON THIS SCHEDULE WAS INCREASED BY 4" DUE TO GROWTH SINCE SURVEY.

TOPSOIL, SODDING, SUPPLEMENTAL WATERING & NUTRIENTS

STATION +/-	TO	STATION +/-	SIDE	SODDING, IN ACRES, IS FOR INFORMATION ONLY	TOPSOIL FURNISH AND PLACE 4" SQ YD	SODDING SQ YD	SUPPLEMENTAL WATERING UNIT	NITROGEN FERTILIZER NUTRIENT POUND	PHOSPHORUS FERTILIZER NUTRIENT POUND	POTASSIUM FERTILIZER NUTRIENT POUND
T.R. 55 (RENWICK RD.)										
102+67.0	TO	135+00.0	RT	1.86	8991.4	8991.4	107.9	111.5	111.5	111.5
104+90.0	TO	133+66.0	LT	1.22	5924.1	5924.1	71.1	73.4	73.4	73.4
RIVER RD.										
7+91.0	TO	19+81.3	RT	0.34	1632.7	1632.7	19.6	20.2	20.2	20.2
7+91.0	TO	19+81.3	LT	0.21	1024.0	1024.0	12.3	12.7	12.7	12.7
OLD RENWICK RD.										
38+89.8	TO	40+74.5	N/A	0.13	612.4	612.4	7.3	7.6	7.6	7.6
42+28.0	TO	45+95.0	N/A	0.08	385.6	385.6	4.6	4.8	4.8	4.8
48+20.0	TO	49+50.0	RT	0.01	46.6	46.6	0.6	0.6	0.6	0.6
48+20.0	TO	49+50.0	LT	0.02	80.3	80.3	1.0	1.0	1.0	1.0
				TOTAL	18697.1	18697.1	224.4	231.8	231.8	231.8
				USE	18698	18698	225	232	232	232

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/SQYD.

EARTHWORK

1 STATION	TO	STATION	2 REMOVAL OF UNSUITABLE MATERIAL	3 EARTH EXCAVATION	4 EARTH EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	5 EMBANKMENT	6 EARTHWORK BALANCE WASTE(+) OR SHORTAGE(-)
			CU YD				
T.R. 55 (RENWICK RD.)							
STAGE 1							
110+50.0	TO	126+50.0		2495.0	1871.3	3813.0	-1941.8
STAGE 1A							
127+50.0	TO	135+00.0		405.0	303.8	35.0	268.8
STAGE 1B							
103+00.0	TO	133+55.4		1726.0	1294.5	95.0	1199.5
STAGE 1C							
105+50.0	TO	127+50.0		1239.0	929.3	20.0	909.3
STAGE 1D							
127+00.0	TO	135+00.0		792.0	594.0	106.0	488.0
STAGE 2							
103+00.0	TO	110+00.0		482.0	361.5	277.0	84.5
RIVER RD.							
STAGE 1A							
8+50.0	TO	18+00.0		397.0	297.8	26.0	271.8
STAGE 1B							
8+00.0	TO	19+50.0		1175.0	881.3	134.0	747.3
STAGE 1C							
13+46.1	TO	19+50.0		494.0	370.5	97.0	273.5
STAGE 1D							
12+50.0	TO	13+00.0		79.0	59.3	6.0	53.3
STAGE 2							
10+00.0	TO	11+00.00		97.0	72.8	5.0	67.8
STAGE 3							
8+00.0	TO	12+13.0		262.0	196.5	51.0	145.5
COMPENSATORY STORAGE AREA 1				2758			2758
COMPENSATORY STORAGE AREA 2				1640			1640
COMPENSATORY STORAGE AREA 3				1588			1588
TO BE DETERMINED BY THE ENGINEER•			1000.0				
		TOTAL	1000.0	15629.0	7232.3	4665.0	10495.0
		USE	1000	15629	7233	4665	10495

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 = 15629 CU YD
COLUMN • 6 FURNISHED EXCAVATION FOR STAGE 1= 1942 CU YD (BRIDGE CONE SECTIONS)
COLUMN • 2 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL = 1000 CU YD

UNSUITABLE MATERIAL MAY BE USED FOR EMBANKMENT OUTSIDE OF THE SHOULDER.