

QUANTITIES FOR "STRUCTURES OVER 20' SPAN" SEE SHEET NO. 51.

SUMMARY OF QUANTITIES

STRUCTURES UNDER 20' SPAN												
No.	Station	Type	Size	Length	Excavation Cu. Yds.	Vitrified Pipe 12" 15" 18"	12" Conc. L.P. Lin. Ft.	Concrete 1-8 1-5 1/2	Cu. Yds.	Reinf. Steel lbs.		
1	2+25	V.P. Culvert	12" x 38"	110	38			3.96				
2	7+30	"	15" x 188"	10.0	188			21.45	2.18	12		
3	14+35	"	18" x 172"	5.0		172		26.2	2.70	80		
5	34+0	"	12" x 52"	34.0	52			5.48				
6	38+0	"	12" x 52"	34.0	52			5.48				
7	42+0	"	12" x 52"	34.0	52			5.48				
8	58+0	"	12" x 44"	12.5	44			4.61				
9	64+0	"	12" x 44"	13.0	44			4.61				
10	68+0	"	12" x 44"	12.6	44			4.61				
11	71+0	Con. Box Cul.	5' x 4'	69'-11 3/4"	32.0			45.5	4.075			
12	12+50	White Corr. L.P. Culv.	12" x 48"	5.0			48	0.83	12			
Totals					248.1	326	188	172	48	81.88	54.21	4,179

SUMMARY OF TREES TO BE REMOVED											
Sta-tion	Size + Kind	Dist. Lor	Sta-tion	Size + Kind	Dist. Lor	Sta-tion	Size + Kind	Dist. Lor	Sta-tion	Size + Kind	Dist. Lor
0+75	8" M	6.5'R	11+36	6.5'R	23'L	32+95	12" Elm	23'R			
1+12	4" M	11.3'L	11+77	8" Elm	9.5'R	33+18	8" Elm	10'R			
3+07	18" Elm	42'R	11+78	12" Ash	30'L	33+24	12" Pop	45'R			
3+15	26" WCh	14'L	11+80	12" Elm	1'R	33+28	8" Pop	46'L			
3+59	20" M	39'L	11+82	10" Iron W.	13'R	33+28	8" Pop	42'L			
3+72	15" M	8'R	11+83	8" Iron W.	13'R	33+30	12" Elm	46'L			
3+94.5	12" Beech	24.5'R	11+90	12" Beech	15'L	33+31	8" Elm	2'L			
3+97	12" Beech	25'R	12+0	18" Wal.	12'L	33+32	10" Elm	30'L			
3+98	18" Beech	22'R	12+03	12" Ash	20'L	33+34	8" Elm	1'R			
3+98	20" WCh	3.5'R	12+14	18" Beech	35'L	33+35	10" Elm	26'L			
3+99	18" M	37'R	12+20	10" Ash	17'L	33+38	12" Elm	15'L			
4+07	12" M	2'R	12+24	6" Ash	20'L	33+40	20" Elm	16'L			
4+31	12" Iron W.	7'R	12+26	15" WCh	6'L	33+42	10" Elm	22'L			
4+43	15" Oak	17'R	12+28	6" Ash	23'L	33+53	8" Elm	24'L			
4+43	20" Beech	23'L	12+27	6" WCh	9'L	33+54	12" Elm	15'L			
4+53	18" Oak	1'R	12+32	10" Elm	24'L	33+59	8" Elm	2'L			
4+85	8" Iron W.	5'R	12+34	10" Elm	25'L	33+59	8" Elm	33'L			
4+79	10" Oak	4'L	12+41	12" Elm	27'L	33+66	8" Elm	2'R			
4+87	15" Oak	12.5'L	12+41	8" Ash	14'L	33+69	48" M	27'R			
5+18	40" Oak	29'R	12+42	6" Elm	14'L	33+73	10" WCh	9'L			
5+21	30" M	26'L	12+85	15" Ash	25'L	33+90	30" Pop	3'L			
5+40	8" Iron W.	1'L	13+20	18" Elm	4'R	34+01	30" WCh	43'R			
5+42	12" Iron W.	25'R	13+27	30" Elm	1'L	34+05	30" Stump	1'L			
5+43	10" Oak	4'R	13+35	30" Elm	16'R	34+12	10" Elm	5'R			
5+52	24" Beech	25.5'L	13+50	8" Beech	14'L	34+15	10" Beech	33'R			
5+55	24" Oak	10'R	13+50	6" Beech	17'L	34+16	12" Elm	6'R			
5+55	12" Oak	20'R	14+19	8" M	21'L	34+28	24" Ash	6'L			
5+84	24" Beech	8'L	14+23	12" Elm	16'L	34+37	24" M	35'R			
5+87	10" Oak	27'R	14+24	24" Elm	17'L	34+39	12" M	40'R			
5+90	20" Beech	20.5'L	14+55	30" M	3'L	34+55	36" Oak	6'R			
5+93	15" Beech	19'R	26+18	6" Willow	23'L	35+53	12" Oak	52'R			
6+09.5	6" Oak	4'L	26+21	6" Ash	31'L	33+65	10" Oak	25'R			
6+29	12" Oak	2'L	26+27	6" WCh	20'R	33+72	10" Ash	31'R			
6+32.5	8" Ash	17'L	26+24	10" Osage	10'L	33+86	24" Elm	17'R			
6+37	12" Oak	30'L	26+24	18" Osage	2'L	33+95	10" M	40'R			
6+50	8" Oak	29'L	26+30	10" Elm	28'R	33+98	8" Elm	36'R			
6+57	10" Oak	14'L	26+35	10" Osage	24'R	34+04	10" M	30'R			
6+60	12" Oak	22'L	27+90	10" Syc	30'L	34+14	8" M	35'R			
6+62	12" Oak	11.5'L	27+90	24" Pop	33'L	34+19	10" Elm	28'R			
6+77	10" Oak	27'L	27+90	36" Pop	36'R	34+32	12" Elm	30'R			
6+79	6" Oak	25'L	27+90	24" Pop	40'R	34+38	10" Pop	80'L			
6+94.5	12" Oak	27'L	27+93	18" Pop	7'L	34+53	12" Pop	90'L			
6+98	30" Oak	11.5'R	27+95	24" Pop	6'R	34+41	18" Elm	43'R			
7+24	20" M	31'R	28+29	18" Wal.	27'L	34+63	12" M	45'R			
7+26.5	12" Oak	29.5'L	28+70	8" Elm	16'L	34+73	10" Elm	7'L			
7+34.5	24" M	14'R	28+91	8" Pop	6'L	34+94	8" Syc	30'L			
7+57	20" Hick	7'L	28+97	24" Pop	1'L	35+63	20" Elm	10'L			
7+99	30" Elm	23'L	29+43	30" Pop	1'L	35+74	24" Pine	40'R			
9+34	12" M	34'L	29+52	10" Syc	12'R	35+87	10" Elm	17'L			
9+37	24" Elm	8'L	29+63	40" Pop	10'R	36+01	30" Pine	44'R			
9+52	20" Ap	10'R	29+89	6" Willow	25'R	36+35	10" Pine	42'R			
10+26	8" Syc	14.5'L	29+91	12" Ap	15'R	36+51	8" Syc	39'R			
10+48	24" Elm	7'R	29+98	6" Willow	18'R	36+58	8" Syc	38'R			
10+89	8" Iron W.	20.5'L	32+87	15" Pop	28'L	37+37	12" Elder	17'L			
10+95	8" Iron W.	11'L	32+91	12" Ash	12'L	37+36	12" Ash	7'R			
11+10	8" Elm	11.5'R	32+91	12" Elm	17'R	37+14	15" Beech	57'R			
11+30	8" Elm	22'L	32+92	20" Elm	1'R	37+48	20" Hick	17.5'L			
11+55	12" Elm	8.5'R	32+93	10" Elm	36'R	73+74	12" Hick	14'L			
11+55	24" Ash	4'L	32+94	8" Elm	28'R	74+73	24" M	6'L			
Total - 177 Trees to be removed											

SUMMARY OF EXCAVATION & EMBANKMENT					
From Sta.	To Sta.	Excavation	Embankment	Emb.+25%	Waste
0+00	14+25	13,488.2	10,540.0	13,175.0	323.2
14+25	45+50	77,589.8	61,353.3	77,449.1	140.7
45+50	49+50	378.4	235.1	368.9	95
49+50	52+0	643.0	0.0	643.3	
52+0	57+0	297.1	133.1	166.4	130.7
57+0	62+50	1,410.7	14.0	175	1,393.2
62+50	72+50	5,150.3	4,067.2	5,084.0	66.3
72+50	75+10.81	351.6	197.0	246.2	105.4
Totals		93,319.2	77,205.7	96,507.1	2812.3

This Waste to be used in construction at app. to total 13+50+

SUMMARY OF I.B.s	
Station	Req'd
0+67	R
2+25	L+R
4+75	L
9+0	L
11+0	L
13+0	L
34+0	R
34+25	L
36+0	L
38+0	L
38+25	R
40+0	L
42+0	L
42+25	R
58+0	L
58+0	R
61+0	L
64+0	L
64+0	R
68+0	R
68+0	R
74+60	R
75+37	R
Total 24 Inlet Basins	

SUMMARY OF GUARD RAIL				
From Sta.	To Sta.	Lin. Ft. on L	Lin. Ft. on R	Type
4+02	21+54		1752	"D-1"
22+40	26+16		376	"D-1"
13+50	26+22	1272		"D-1"
28+16	34+0		584	"D-1"
28+24	34+0	576		"D-1"
69+80	72+60		280	"D-1"
69+80	72+36	256		"D-1"
0+0	2+0	200		"D-1"
0+0	0+87	104		"D-1"
20+0	24+08		424	"D-1"
20+0	24+08	424		"D-1"
Totals		6248 Lin. Ft. on D-1		

Note: These quantities include those on White Rd. as shown on Sheets No. 6 & No. 8 From Sta. 26+18.86 to Sta. 28+11.14 = Proposal No. 1 Bridge.

SUMMARY OF SEWERS					
From Sta.	To Sta.	Lin. Ft. 12" V.P. Lor	Lin. Ft. 15" V.P. Lor	1.5% Con.	Reinf. Steel
2+25	7+30	505	on L		
9+0	15+0	600	on L	1.0 cu yd	33*
34+25	42+0	775	on L		
34+0	to Right	120		1.0 cu yd	33*
58+0	71+08	1308	on L	1.0 cu yd	33*
71+25L	75+37R		424 L+R	1.6 cu yd	35*
0+67R	0+12R				
Totals		3508 12" V.P.s	424 15" V.P.s	4.6 cu yd	134 lbs.

SUMMARY OF DRAIN TILE		
From Sta.	To Sta.	Lin. Ft. 6" Drain Tile
7+30	9+0	170
Total 170 lin. ft.		

SUMMARY OF CONCRETE PAVEMENT				
From Sta.	To Sta.	For	Square Yds.	Additions Deductions
0+00	4+50		1,000.00	
0+00	0+29.37	Exist. Pavement		65.2
0+00	1+77	Intersection		334.0
2+29.59	4+50	Curve		45.1
33+50	75+1081		9,246.2	
58+11.11	63+5688	Curve		98.4
68+9285	74+5230			100.2
74+60.31	75+1081	Intersection		179.6
Sub-totals			10,246.2	757.3
			+ 757.3	
			- 65.2	
Grand Total			10,938.3 sq. yds.	Corr. Pavement

SUMMARY OF MANHOLES	
Sta	1 M.H.
29+10	on L

SUMMARY OF SPECIAL STRUCTURES										
From Station	To Station	Description	1-5% Concrete Cu. Yds.	Excavation Earth Cu. Yds.	Excavation Shale Cu. Yds.	Backfill Cu. Yds.	Reinforcing Steel Lbs.	Copper Jt. Fluted Lin. Ft.	4" Premoulded Exp. Jt. sq. Ft.	5" Waterproof Sq. Yds.
5+0 L	7+0 L	Ret. Wall	202.75	402.9	334.3	362.0	12,670	46.5	53.87	