

SUMMARY OF QUANTITIES

TOTAL QUANTITIES ROADWAY & PAVEMENT

SUMMARY OF CATCH BASINS & INLET BASINS

Item R-1 Excavation	18,232 Cu. Yds.
" R-5 Shoulders, Slopes (both sides)	22,602 Lin. Ft.
" 1-7 Type 'D' Guard Rail	3472 Lin. Ft.
" 1-4 6" Drain Tile 30" deep, cinder backfill placed as directed by the engineer	1000 Lin. Ft.
" 1-8 12" Vit. Pipe Sewer	15130 Lin. Ft.
" 3-10 12" Corr. Iron Pipe	560 Lin. Ft.
" R-1 Trees to be Removed	14
" 1-9 Standard Inlet Basins	53
" 1-9 Standard Catch Basins	41
" 3-1 1-6 1/2 Conc. (retaining wall)	70.3 Cu. Yds.
" 3-1 1-5 Conc. (6" slab)	15.2 Cu. Yds.
" 3-1 1-5 1/2 Conc. (hws. sewer + caps)	35.09 Cu. Yds.
" 3-4 Reinf. steel (hws. sewer + caps)	456 Lbs.
" R-2 Excavation (retaining wall)	123.4 Cu. Yds.
" 1-9 Manholes	3
Manhole Top Reset	1
" T-7 Concrete Pavement (Center)	
Joint & Transverse Joints	56,596 Sq. Yds.
" B-6 5 1/2" conc. base (1-7 mix)	56,596 Sq. Yds.
" T-9 2 1/2" paving block cushion + asphalt filler	46,551 Sq. Yds.
" I-6 2 1/2" x 2 1/2" to 4 1/2" Integral gutter curb	4,520 1/2 Lin. Ft.

BRIDGES & CULVERTS

" R-2 Excavation	393.3 Cu. Yds.
" 3-1 1-5 1/2 Concrete	6.98 Cu. Yds.
" 3-1 1-8 Concrete	123.26 Cu. Yds.
" 3-4 Reinforcing Steel	211 Lbs.
" 3-8 24" Vit. Pipe	60 Lin. Ft.
" 3-8 18" Vit. Pipe	14 Lin. Ft.
" 3-8 12" Vit. Pipe	1092 Lin. Ft.
" 12" Vit. Pipe Relaid	24 Lin. Ft.
" Stone Masonry Removed	10 Cu. Yds.

* Note: alternates = (T-7) with (B-6, T-9, I-6) Conc. Brick

SUMMARY OF EXCAVATION & EMBANKMENT

FROM STA.	TO STA.	EXCAV.	EMB.	EMB.+25%	WASTE	BORROW
4+58.5	10+0	229.6	136.6	170.7	58.9	
10+0	20+0	887.4	151.5	189.4	698.0	
20+0	27+0	667.6	128.4	160.5	507.1	
27+0	33+50	341.2	268.4	335.5	5.7	
33+50	43+0	534.9	407.9	509.9	25.0	
43+0	54+0	1010.9	708.1	885.1	125.8	
54+0	59+50	726.1	126.6	158.2	567.9	
59+50	67+45	587.0	466.1	582.5	4.5	
67+45	71+0	321.1	250.4	313.0	8.1	
71+0	84+0	775.1	615.3	769.1	6.0	
84+0	94+0	779.1	136.1	170.1	609.0	
94+0	101+20	564.5	451.4	564.2	0.3	
101+20	110+0	799.5	594.7	493.4	306.1	
line A S.O.M. west		567.8	77.6	97.0	470.8	
110+0	117+0	410.0	270.0	337.5	72.5	
117+0	126+0	919.9	273.9	342.4	577.5	
126+0	136+0	707.7	289.5	361.9	345.8	
136+0	146+0	990.8	164.9	206.4	784.4	
146+0	154+0	665.7	335.8	419.7	246.0	
154+0	160+0	324.5	243.3	304.1	20.4	
160+0	170+0	832.1	140.3	175.4	656.7	
170+0	180+0	1042.7	165.1	206.4	836.3	
180+0	190+0	1186.5	80.0	100.0	1086.5	
190+0	200+0	599.3	338.1	422.6	176.7	
200+0	210+0	579.6	189.7	237.1	342.5	
210+0	214+0	462.4	70.2	87.7	374.7	
214+0	226+50	719.4	570.9	713.6	5.8	
TOTALS		18,232.4	7,450.8	9,313.4	8,919.0	

See note on sheet #3 in regard to disposal of waste

SUMMARY OF SEWERS

FROM STA.	TO STA.	12" CORR. I.P. ON R.	12" CORR. I.P. ON L.	1-5 1/2 CONC. CU. YDS.	REINF. STEEL LBS.
10+0	31+50	2150			
31+50	33+20		170		33
33+20	35+25		205		33
35+25	43+0	775			
53+50	68+0	1450			
59+40 to R to Swamp		350			33
73+92	83+50	958			
90+50	91+0		50		
95+75	95+88		8		
100+0	100+44	44			
106+72	110+0		328		
119+50 to R		152			33
50' W. of S.O.M. Rd. to L			254		33
117+0	119+50	250			
125+25 to R		220			33
130+0	138+0	800			
143+0	152+0	900			33
152+0	152+50	50			
152+50	158+50		600		33
164+0	184+25	2025			
184+25	184+50	50			
184+50 to R to creek				300	5
191+0	223+25	3225			
221+0	221+52	116			
221+52 to R to creek				260	4.33
TOTALS		15,130	560	17.33	264

SUMMARY OF TYPE D GUARD RAIL

FROM STA.	TO STA.	R. or L.	LIN. FT.
32+80	34+80	L	200
32+30	33+26	R	96
100+20	101+16	R	96
124+40	125+20	R	80
186+0	216+0	R	3000
TOTAL			3472

SUMMARY OF MANHOLES

STA.	FT. R. or L.
184+50	60' R
221+0	13' R
221+52	105' R
TOTAL	3 Manholes

STRUCTURES UNDER 20' SPAN

No	STATION	TYPE	SIZE	LENGTH	EXCAV.		CONCRETE		REINF. STEEL LBS.	VITRIFIED PIPE			STONE MASONRY REMOVED CU. YDS.	V.P. RELAI 12" LIN. FT.
					CU. YDS.	CU. YDS.	1-5 1/2 CU. YDS.	1-8 CU. YDS.		24" LIN. FT.	18" LIN. FT.	12" LIN. FT.		
1	10+0	V.S.P. (enc)	12"	24'	7.1		2.38					24		
2	20+0	"	12"	24'	8.7		2.38					24		
3	24+0	"	12"	24'	8.8		2.38					24		
4	27+50	"	12"	24'	8.7		2.38					24		
5	31+50	"	12"	24'	10.0		2.38					24		
6	33+20	"	24"	60'	16.0	3.5	11.95		105	60		10		
7	35+25	"	12"	24'	7.2		2.38					24		
8	40+0	"	12"	24'	7.2		2.38					24		
9	43+0	"	12"	24'	7.1		2.38					24		
10	46+06	"	12"	24'	9.1		2.38					24		
11	53+50	"	12"	24'	6.7		2.38					24		
12	59+0-59+46	"	12"	46'	21.0		4.53					46		
13	62+0	"	12"	24'	8.8		2.38					24		
14	65+0	"	12"	24'	8.8		2.38					24		
15	68+0	"	12"	24'	5.0		2.38					24		
16	74+75	"	12"	24'	8.8		2.38					24		
17	79+50	"	12"	24'	7.4		2.38					24		
18	83+50	"	12"	24'	6.7		2.38					24		
19	91+0	"	12"	24'	6.0		2.38					24		
20	95+75	"	12"	24'	7.0		2.38					24		
21	100+0	"	12"	24'	6.6		2.38					24		
22	100+49	"	18"	14'	7.5	1.48	1.93		40	14		24		
23	106+72	"	12"	22'	9.1	1.00	2.21		33			22		
24	107+0	"	12"	24'	7.8		2.38					24		
25	110+0	"	12"	24'	8.0		2.38					24		
26	50' W. S.O.M. on line A	"	12"	24'	6.5		2.38					24		
27	117+0	"	12"	24'	8.1		2.38					24		
28	119+50	"	12"	24'	10.5		2.38					24		
29	125+25	"	12"	24'	6.6		2.38					24		
30	130+0	"	12"	24'	8.2		2.38					24		
31	134+0	"	12"	24'	6.1		2.38					24		
32	138+0	"	12"	40'	8.9	1.00	2.38		33	40		24		
33	143+0	"	12"	24'	9.0		2.38					24		
34	146+25	"	12"	24'	8.3		2.38					24		
35	152+50	"	12"	24'	8.5		2.38					24		
36	158+50	"	12"	24'	7.7		2.38					24		
37	164+0	"	12"	24'	7.2		2.38					24		
38	168+0	"	12"	24'	9.3		2.38					24		
39	172+0	"	12"	24'	10.4		2.38					24		
40	176+0	"	12"	24'	9.3		2.38					24		
41	180+0	"	12"	24'	8.7		2.38					24		
42	184+25	"	12"	24'	7.8		2.38					24		
43	199+0	"	12"	24'	7.0		2.38					24		
44	203+50	"	12"	24'	6.9		2.38					24		
45	215+50	"	12"	24'	8.5		2.38					24		
46	219+50	"	12"	24'	7.5		2.38					24		
47	223+25	V.S.P. (enc)	12"	24'	7.2		2.38					24		
TOTAL OF QUANTITIES					393.3	6.98	123.26		211	60	14	1092	10	24

SUMMARY OF TREES TO BE REMOVED

No	STATION	SIZE & KIND	FT. TO R. or L.
1	52+26	10" M	11 L
2	52+71	15" M	11 L
3	112+88	16" M	8 L
4	113+10	12" M	3 L
5	113+34	15" M	3 R
6	113+51	18" M	8 R
7	113+69	18" M	8 L
8	113+91	18" M	8
9	120+25	12" M	6 R
10	208+54	18" poplar	11 L
11	208+71	18" poplar	11 L
12	208+86	18" poplar	9 L
13	209+04	12" poplar	9 L
14	209+20	14" poplar	11 L
TOTAL		14 TREES	
MANHOLE TOP RESET			
STATION 100+49 ON R.			1

SUMMARY OF OLD I.B.s. TO BE CAPPED

No	STA.	FT. R. or L.	CU. YDS. 1-5 1/2 CONC.	LBS. STEEL
1	41+11	12' R	.074	8
2	41+60	11' L	.074	8
3	41+88	13' R	.074	8
4	67+45	10' R	.074	8
5	69+90	10' R	.074	8
6	73+92	21' R	.074	8
7	90+60	12' R	.074	8
8	91+21	12' R	.074	8
9	91+84	11' R	.074	8
10	91+84	10' L	.074	8
11	92+59	11' L	.074	8
12	93+64	11' L	.074	8
13	93+85	9' R	.074	8
14	94+64	14' L	.074	8
15	95+82	9' R	.074	8
16	97+89	10' R	.074	8
17	97+89	10' R	.074	8
18	97+06	15' L		