

SUMMARY OF QUANTITIES

I. C. H. No. 2 SEC. 1 & B
LAKE COUNTY

NO.	STATION	TYPE	SIZE	LENGTH	EXCAV. CU. YDS.	CONCRETE 1-8 CU. YDS.	VITRIFIED PIPE		VIT. PIPE STOPPERS No.	REMARKS
							12" LIN. FT.	18" LIN. FT.		
1	66+0	I.B.			1.8				2	Remove Base
2	73+37	I.B.			1.8				2	Rebuild
3	77+0	enc. vit. pipe	18" 12"	20	7.3	1.92	2.05		20	sp. yds.
4	80+50	"	"	20	7.4	1.92	2.05		20	sp. yds.
5	84+0	I.B.			2.2					
6	87+92	enc. vit. pipe	18" 12"	20	7.3	1.92	2.05		20	
7	92+75	"	"	20	7.3	1.92	2.05		20	
8	101+50	"	"	28	5.6	2.88	2.92		28	
9	112+50	"	"	32	14.3	3.10	3.35		32	
10	121+10	"	"	20	9.4	1.92	2.05		20	
11	126+65	I.B.			3.0					
12	137+20	enc. vit. pipe	18" 12"	20	7.1	1.92	2.05		20	
13	141+45	"	"	20	7.3	1.92	2.05		20	
14	145+80	"	"	26	8.4	2.50	2.70		26	
15	149+10	"	"	20	7.7	1.92	2.05		20	
16	152+43	I.B.			2.6					
17	161+80	enc. vit. pipe	18" 12"	20	7.3	1.92	2.05		20	
18	166+0	"	"	20	6.9	1.92	2.05		20	
19	170+0	"	"	20	7.3	1.92	2.05		20	
20	174+50	"	"	20	7.6	1.92	2.05		20	
21	178+50	"	"	20	7.8	1.92	2.05		20	
22	182+45	"	"	42	18.4	4.54	4.32		42	5.2 5.4
23	186+0	I.B.			2.9					
24	191+25	enc. vit. pipe	18" 12"	42	15.5	4.03	4.32		42	5.2 5.4
25	196+75	"	"	42	15.5	4.03	4.32		42	5.2 5.4
26	201+50	"	"	42	14.7	4.03	4.32		42	5.2 5.4
27	210+50	"	"	42	15.2	4.03	4.32		42	5.2 5.4
28	215+50	"	"	42	16.1	4.03	4.32		42	5.2 5.4
29	221+58	I.B.			8.5					
30	225+50	enc. vit. pipe	18" 12"	42	15.4	4.03	4.32		42	5.2 5.4
31	229+10	"	"	42	15.8	4.03	4.32		42	5.2 5.4
32	237+0	"	"	42	15.2	4.03	4.32		42	5.2 5.4
TOTALS					290.0	74.50	72.6	47.49	13	

TOTAL OF QUANTITIES

ROADWAY AND PAVEMENT

Excavation	17,266 cu. yds.
6"x9" integral raised concrete curb	23,051 lin. ft.
Concrete base (area under old pav. & new integral curb included)	38,364 sq. yds.
3" brick paving (1" granulated slag cushion - asphalt filler)	36,441 sq. yds.
6" drain tile (cinder back fill)	5,300 lin. ft.
Finishing Shoulders	17,390 lin. ft.
10" Vit. Pipe Sewer	1,852 lin. ft.
12" Vit. Pipe Sewer	6,150 lin. ft.
15" Vit. Pipe Sewer	330 lin. ft.
1-2-3 1/2 Concrete (sidewalk - hrs. on sewer)	3.15 cu. yds.
Reinforcing Steel (hrs. on sewer) & Tree Protection	1500 lbs.
Inlet Basins complete (Exc. for I.B. included in S.R.C. quant)	45
Trees Removed & Trees to be planted	35
5'x16" Concrete Flush curb to be removed	11,650 lin. ft.
6"x4" Concrete integral flush curb to be removed	11,465 lin. ft.

BRIDGES AND CULVERTS

Excavation	290.6 cu. yds.
1-3-5 Concrete	70.14 cu. yds.
10" Vit. Pipe	684 lin. ft.
12" Vit. Pipe	42 lin. ft.
12" Vit. Pipe Stoppers	13
4" brick Pavement Removed & Relaid	47 sq. yds.
6" concrete base removed & rebuilt	49 sq. yds.

SUMMARY OF INLET BASINS

STATION	DISTANCE TO R. OR L. OF R.
66+0	21.5' R
73+37	21.5' R
77+0	21.5' R
80+50	21.5' R
84+0	21.5' R
87+92	21.5' R
92+75	21.5' R
101+50	21.5' R
112+50	21.5' R
121+10	21.5' R
126+65	21.5' R
137+20	21.5' R
141+45	21.5' R
145+80	21.5' R
152+43	21.5' R
161+80	21.5' R
166+0	21.5' R
170+0	21.5' R
174+50	21.5' R
178+50	21.5' R
182+45	21.5' R
186+0	21.5' R
191+25	21.5' R
196+75	21.5' R
201+50	21.5' R
210+50	21.5' R
215+50	21.5' R
221+58	21.5' R
225+50	21.5' R
229+10	21.5' R
237+0	21.5' R

TOTAL = 45 Inlet Basins

NOTE: Excav. for inlets is included in summary of culverts quantities.

SUMMARY OF SEWERS

FROM STA.	TO STA.	Lim. Ft. 12"	Lim. Ft. 18"	Lim. Ft. 24"	Cu. Yds. 12" x 12" Vit. P.	Cu. Yds. 18" x 18" Vit. P.	Lbs. Steel 12" Hrs.	Lbs. Steel 18" Hrs.
77+0	92+75		1568					
137+20	145+80			856				
161+80	170+0			816				
182+45	185+75	330	1066		(2-12" x 12" Vit. P.)			
186+0	186+62			62				
186+0	186+59			60				
187+0	201+50		1450		1.0		23	
210+50	221+58		1108					
221+58	229+10		752					
237+0	237+40		50	1.0			23	
TOTALS		330	6138	1834	3.15		71	

SUMMARY OF DRAINTILE

FROM STA.	TO STA.	Lim. Ft. 6"	Lim. Ft. 8"
64+0	93+0	2086	
93+0	117+0	2336	
TOTALS = 5282		Lim. Ft.	

SUMMARY OF CONCRETE CURB TO BE REMOVED

FROM STATION	TO STATION	Lim. Ft. 5'x16" Plush	Lim. Ft. 6'x4" Integral
64+0	180+80	11370	
180+80	237+75	11465	
TOTALS		11570	11465

SUMMARY OF EXCAVATION & EMBANKMENT

From Station	To Station	Exc.	Emb. (8" base)	Exc. Emb. (12" base)	Waste	Borrow
64+0	70+0	641.2	0	0	641.2	0
70+0	80+0	1031.5	0	0	1031.5	0
80+0	90+0	1065.6	0	0	1065.6	0
90+0	100+0	819.5	36.1	13.3	776.2	0
100+0	110+0	968.8	1.9	2.3	966.5	0
110+0	120+0	1168.0	0	0	1168.0	0
120+0	130+0	872.2	350.8	397.0	475.4	0
130+0	140+0	875.2	107.9	129.5	745.7	0
140+0	150+0	783.9	416.5	499.8	284.1	0
150+0	160+0	771.5	168.4	202.1	569.4	0
160+0	170+0	1067.4	10.2	12.2	1055.2	0
170+0	180+0	1387.8	0	0	1387.8	0
180+0	190+0	1151.7	133.9	160.7	921.0	0
190+0	200+0	935.7	604.7	725.6	210.3	0
200+0	210+0	845.4	435.6	522.7	522.7	0
210+0	220+0	1195.3	308.3	370.0	825.3	0
220+0	230+0	848.5	766.6	919.9	0	71.4
230+0	237+0	836.1	98.6	118.3	717.8	0
TOTALS		17265.7	3419.5	4103.4	13233.0	71.4

Sec. I 11,453
Sec. B 5,815

TREES TO BE REMOVED

STATION	SIZE & KIND	DISTANCE TO R. OR L. OF R.
148+62	12" M.	20' EOL
178+61	36" M.	20.5' EOL
216+54	18" M.	18.5' EOL
217+33	18" M.	18.5' EOL
217+54	18" M.	19.5' EOL
217+75	18" M.	19.5' EOL
218+36	20" M.	19.5' EOL
218+96	18" M.	20.5' EOL
219+18	18" M.	20.5' EOL
219+60	18" M.	20' EOL
221+49	48" elm	19' EOL
225+64	18" M.	20.5' EOL
226+26	18" M.	20.5' EOL
226+45	18" M.	20.5' EOL
226+66	18" M.	19.5' EOL
226+86	18" M.	20' EOL
227+06	18" M.	19.5' EOL
227+27	18" M.	19.5' EOL
227+46	20" M.	18.5' EOL
227+68	20" M.	19' EOL
227+90	8" M.	19' EOL
228+17	18" M.	19.5' EOL
230+70	48" M.	20' EOL
232+21	36" M.	17' EOL
232+78	36" M.	17' EOL
234+53	12" Walnut	20.5' EOL
235+09	30" elm	14' EOL
235+30	20" elm	15' EOL
235+89	15" elm	16' EOL
236+09	36" elm	20' EOL
236+26	18" elm	14.5' EOL
236+50	18" elm	16' EOL
236+51	24" elm	17.5' EOL
236+71	15" elm	17' EOL

TOTAL = 35 TREES

SUMMARY OF PAVEMENT

Station	From	To	Base Sq. Yds.	Brick Sq. Yds.	8" Conc. Sq. Yds.	9'x6" Curb Lin. Ft.	Shoulders Lin. Ft.
64+00	65+00	200	189			100	100
65+00	170+174	22203.4	21035			10517.4	10517.4
170+174	170+174			93		17	80
170+174	179+60	1821	1725			862.6	862.6
179+60	180+50	167.5	157.5			90	90
Total Sec. I		24392	23106.5	93		11587	11650
180+50	181+50	227.6	216.5			200	100
181+50	237+00	13567.7	12950			11100	5550
237+00	237+90	177.2	168			165	90
Total Sec. B		13972	13334.5			11465	5740

Tree Protection
F.A. Proj. 519-A - Sec. I 1-5 Conc. Steel
" B 10 cu. yds 1000 #
" " 5 " " 429 "

Sec. I 2 State Std. #1
Sec. I - 21
" B - 22