

STORM SEWER REMOVAL 8"							
FROM		TO		LENGTH (FEET)	PIPE DIA. (INCH)	DEPTH TO INVERT (FEET)	TBF (CY)
STATION	OFFSET	STATION	OFFSET				
ROUTE 31							
126+45	38' RT	126+41	42' RT	5	8	-	-
127+11	35' RT	127+02	40' RT	8	8	-	-
TERRA COTTA							
301+84	26' RT	302+00	32' RT	15	8	3.1	2.5
TOTAL				28			3

STORM SEWER REMOVAL 10"							
FROM		TO		LENGTH (FEET)	PIPE DIA. (INCH)	DEPTH TO INVERT (FEET)	TBF (CY)
STATION	OFFSET	STATION	OFFSET				
ROUTE 176							
211+67	40' LT	211+85	30' LT	18	10	2.88	2.9
221+19	7' RT	221+90	5' LT	71	10	3.95	18.1
TOTAL				89			21

STORM SEWER REMOVAL 12"							
FROM		TO		LENGTH (FEET)	PIPE DIA. (INCH)	DEPTH TO INVERT (FEET)	TBF (CY)
STATION	OFFSET	STATION	OFFSET				
ROUTE 31							
111+25	45' RT	111+32	51' RT	8	12	4.60	2.7
111+26	60' LT	111+26	50' LT	23	12	1.80	1.7
111+26	0' LT	111+26	40' LT	43	12	3.02	8.1
111+26	4' RT	111+25	40' RT	39	12	3.88	10.4
112+56	38' LT	112+59	38' RT	80	12	3.18	16.1
112+59	39' RT	112+72	51' RT	12	12	5.20	4.7
115+29	36' LT	115+29	36' RT	77	12	4.02	21.6
115+29	41' RT	115+29	49' RT	6	12	4.90	2.2
117+17	46' LT	117+17	41' LT	5	12	2.80	0.8
117+82	38' RT	117+82	40' RT	2	12	2.80	0.3
119+03	41' LT	119+03	42' LT	1	12	2.75	0.2
119+29	43' RT	119+30	43' RT	1	12	3.60	0.2
119+96	31' RT	119+96	40' RT	9	12	4.20	2.7
120+07	34' LT	120+07	42' LT	8	12	2.75	1.3
120+51	56' LT	120+77	56' LT	26	12	4.00	7.2
121+09	70' LT	121+31	70' LT	22	12	5.85	9.9
121+75	47' LT	124+96	46' LT	317	12	4.45	101.3
122+19	60' RT	122+32	49' RT	12	12	3.00	2.2
122+32	49' RT	122+43	39' RT	12	12	2.85	2.1
122+37	39' LT	122+32	49' RT	88	12	3.35	19.1
123+63	39' LT	123+63	33' RT	75	12	3.25	15.6
124+90	74' LT	124+99	46' LT	25	12	4.20	7.4
124+99	46' LT	125+96	44' LT	97	12	4.10	27.8
126+00	44' LT	126+82	37' LT	82	12	3.78	21.1
126+87	37' LT	129+75	32' LT	288	12	4.02	80.7
129+80	32' LT	130+34	34' LT	54	12	3.71	13.6
ROUTE 176							
214+09	32' LT	218+56	4' RT	442	12	3.10	85.9
217+27	19' LT	217+28	28' LT	5	12	4.30	1.5
217+28	28' LT	217+32	48' LT	20	12	5.50	8.3
217+98	68' LT	218+52	57' LT	48	12	4.70	16.4
218+52	57' LT	219+06	48' LT	48	12	4.75	16.7
221+17	8' RT	221+37	76' RT	68	12	3.55	16.1
221+17	8' RT	221+20	18' LT	27	12	4.40	8.5
TERRA COTTA							
302+37	19' RT	302+48	25' RT	8	12	3.30	1.7
302+46	22' LT	302+46	25' LT	3	12	2.60	0.4
302+46	17' LT	302+50	25' RT	42	12	3.95	11.5
302+48	27' LT	302+57	26' LT	9	12	1.60	0.5
302+51	25' RT	302+54	21' RT	4	12	1.98	0.4
TOTAL				2,136			549

GRATING FOR CONCRETE FLARED END SECTION 30"		
STATION	OFFSET (FEET)	QUANTITY (EACH)
ROUTE 31		
147+23	51 LT	1
148+00	47 RT	1
ROUTE 176		
222+04	107 RT	1
TOTAL		3

PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND- SIZE 24"		
STATION	OFFSET (FEET)	QUANTITY (EACH)
ROUTE 31		
136+72	58 RT	1
TOTAL		1

REMOVAL OF EXISTING STRUCTURES			
STATION	SIDE	CONCRETE VOLUME (CUBIC YARDS)	QUANTITY (EACH)
ROUTE 176			
219+00	RT	8.4	1
TOTAL			1

STORM SEWER REMOVAL 15"							
FROM		TO		LENGTH (FEET)	PIPE DIA. (INCH)	DEPTH TO INVERT (FEET)	TBF (CY)
STATION	OFFSET	STATION	OFFSET				
ROUTE 31							
116+25	43' RT	120+09	32' RT	384	15	4.50	136.9
119+34	45' RT	120+57	48' RT	123	15	4.97	49.8
120+61	48' RT	122+32	49' RT	167	15	6.05	85.9
122+26	93' RT	122+32	49' RT	40	15	4.40	13.9
122+32	49' RT	123+47	34' RT	108	15	4.00	33.0
122+59	49' RT	122+63	69' RT	16	15	4.00	4.9
122+63	69' RT	123+28	94' RT	71	15	4.00	21.7
137+05	64' LT	137+71	65' LT	66	15	3.20	14.8
137+74	65' LT	138+12	67' LT	38	15	2.63	6.3
ROUTE 176							
210+59	38' LT	211+63	40' LT	104	15	3.10	22.2
211+67	40' LT	213+88	38' LT	221	15	3.10	47.3
213+88	38' LT	218+56	4' RT	464	15	3.10	99.2
213+89	39' RT	214+64	38' RT	75	15	3.20	16.8
216+89	50' RT	219+48	115' RT	259	15	6.38	141.8
216+89	50' RT	216+92	69' RT	15	15	5.75	7.3
219+22	18' RT	219+22	107' RT	89	15	6.07	46.0
TOTAL				2,240			748

STORM SEWER REMOVAL 18"							
FROM		TO		LENGTH (FEET)	PIPE DIA. (INCH)	DEPTH TO INVERT (FEET)	TBF (CY)
STATION	OFFSET	STATION	OFFSET				
ROUTE 31							
120+47	40' LT	120+60	45' RT	85	18	6.32	50.3
137+28	32' RT	141+44	30' RT	417	18	2.50	69.5
141+44	30' RT	141+61	37' RT	16	18	2.40	2.5
ROUTE 176							
214+67	38' RT	214+78	44' RT	11	18	3.20	2.7
219+15	6' RT	219+68	12' LT	54	18	4.50	21.0
TOTAL				583			146

STORM SEWER REMOVAL 21"							
FROM		TO		LENGTH (FEET)	PIPE DIA. (INCH)	DEPTH TO INVERT (FEET)	TBF (CY)
STATION	OFFSET	STATION	OFFSET				
ROUTE 31							
120+11	31' RT	120+61	48' RT	48	21	4.88	22.4
TOTAL				48			22

STORM SEWER REMOVAL 24"							
FROM		TO		LENGTH (FEET)	PIPE DIA. (INCH)	DEPTH TO INVERT (FEET)	TBF (CY)
STATION	OFFSET	STATION	OFFSET				
ROUTE 31							
113+99	50' LT	114+06	50' LT	7	24	4.00	2.7
114+10	50' LT	114+70	49' LT	60	24	4.00	23.3
115+31	51' RT	116+20	43' RT	89	24	5.00	46.1
116+55	48' LT	117+16	48' LT	61	24	2.20	9.5
117+20	48' LT	117+23	48' LT	3	24	3.10	0.8
118+20	47' LT	119+00	45' LT	80	24	3.50	25.9
119+05	45' LT	120+38	41' LT	133	24	3.80	48.3
120+44	41' LT	120+45	42' LT	1	24	5.35	0.6
123+49	33' RT	125+00	46' RT	152	24	3.16	42.5
TERRA COTTA							
300+47	25' RT	302+48	27' RT	198	24	5.30	110.4
302+52	27' RT	303+41	25' RT	110	24	7.76	96.3
TOTAL				894			406

VALVE VAULTS TO BE ADJUSTED		
STATION	OFFSET (FEET)	QUANTITY (EACH)
ROUTE 31		
127+50	58 LT	1
143+32	33 RT	1
ROUTE 176		
217+29	68 RT	1
TOTAL		3

VALVE VAULTS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID		
STATION	OFFSET (FEET)	QUANTITY (EACH)
ROUTE 31		
137+44	34 RT	1
137+53	35 RT	1
ROUTE 176		
214+50	40 LT	1
TOTAL		3

FRAME AND GRATES TO BE ADJUSTED		
STATION	OFFSET (FEET)	QUANTITY (EACH)
NOMINAL		
TOTAL		1

FRAMES AND LIDS TO BE ADJUSTED		
STATION	OFFSET (FEET)	QUANTITY (EACH)
ROUTE 31		
114+08	50 LT	1
TOTAL		1

FIRE HYDRANTS TO BE ADJUSTED		
STATION	OFFSET (FEET)	QUANTITY (EACH)
ROUTE 31		
118+16	60 LT	1
146+32	34 RT	1
ROUTE 176		
217+28	73 RT	1
TOTAL		3

FIRE HYDRANTS TO BE REMOVED		
STATION	OFFSET (FEET)	QUANTITY (EACH)
ROUTE 176		
206+73	24 LT	1
210+22	28 LT	1
TOTAL		2

FIRE HYDRANTS		
STATION	OFFSET (FEET)	QUANTITY (EACH)
ROUTE 176		
206+73	24 LT	1
210+22	28 LT	1
TOTAL		2

FIRE HYDRANTS TO BE MOVED		
STATION	SIDE	QUANTITY (EACH)
ROUTE 31		
122+77	LT	1
126+47	LT	1
129+04	RT	1
132+53	RT	1
135+88	RT	1
139+17	RT	1
142+92	RT	1
ROUTE 176		
213+93	LT	1
227+30	LT	1
TOTAL		9

MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID		
STATION	OFFSET (FEET)	QUANTITY (EACH)
ROUTE 31		
119+04	26 LT	1
130+73	32 LT	1
134+02	30 LT	1
137+88	32 LT	1
ROUTE 176		
206+53	45 RT	1
207+73	30 RT	1
210+92	29 RT	1
213+92	33 RT	1
214+27	59 RT	1
217+38	52 LT	1
219+53	22 LT	1
TOTAL		11