

Pump Station 1

BENDING SCHEDULE												
SEWER PUMP STATION NO. 1												
ELEMENT: SCREENING CHANNEL												
MARK	TYPE & DIA	NO. PER UNIT	TOTAL NO.	LENGTH (mm)	TOTAL LENGTH	MASS (tons)	SHAPE CODE	A	B	C	D	E/R
01	Y12	9	18	2600	46800	0.0416	38	1200	175	1200		
02	Y12	9	18	3200	57600	0.0511	20	3200				
03	Y12	18	36	2600	93600	0.0831	38	1200	175	1200		
04	R8	10	10	1000	10000	0.0089	83	300	180	100		
05	Y12	36	36	1900	68400	0.0607	38	850	175	850		
06	Y12	8	8	4500	36000	0.0320	20	4500				
07	Y12	2	4	2000	8000	0.0071	99	600	400	300	600	
08	Y12	2	4	1800	7200	0.0114	99	400	300	300	600	
09	Y12	2	4	1600	6400	0.0057	99	450	450	600		
10	Y12	2	4	1500	6000	0.0053	99	400	400	600		
ELEMENT: INLET WORKS FLOOR												
MARK	TYPE & DIA	NO. PER UNIT	TOTAL NO.	LENGTH (mm)	TOTAL LENGTH	MASS (tons)	SHAPE CODE	A	B	C	D	E/R
12	Y12	40	40	1900	76000	0.0675	38	850	175	850		
13	Y12	34	68	3600	244800	0.2174	38	1700	175	1700		
14	Y12	18	36	8200	295200	0.2621	20	8200				
15	Y12	20	40	2400	96000	0.0852	38	1100	175	1100		
16	Y12	5	10	3200	32000	0.0284	20	3200				
17	Y12	27	54	3600	194400	0.1726	20	3600				
18	R8	40	40	1000	40000	0.0158	83	300	100			
ELEMENT: INLET WORKS WALLS												
MARK	TYPE & DIA	NO. PER UNIT	TOTAL NO.	LENGTH (mm)	TOTAL LENGTH	MASS (tons)	SHAPE CODE	A	B	C	D	E/R
20	Y12	52	104	1625	169000	0.1501	38	1450	175			
21	Y12	52	104	1625	169000	0.1501	38	1450	175			
22	Y12	8	32	2200	70400	0.0625	38	1000	175			
23	Y12	8	16	3400	54400	0.0483	20	3400				
24	Y12	8	16	7800	124800	1.1082	20	7800				
25	R8	12	24	400	9600	0.0038	35	100	175	100		
TOTAL MASS (tons) OF STEEL						1.5230						