

WATERWORK QUANTITIES

ITEM NO.	202	604	638	638	SPECIAL	SPECIAL	SPECIAL	SPECIAL	SPECIAL	SPECIAL	SPECIAL	SPECIAL
SHEET NO.	VALVE BOX REMOVED	MANHOLE ADJUSTED TO GRADE	300 mm CUTTING-IN-SLEEVE VALVE AND VALVE BOX	SERVICE BOX ADJUSTED TO GRADE	300 mm WATER MAIN DUCTILE IRON PIPE ANSI CL.56, PUSH ON JOINTS AND CAST IRON MECHANICAL JOINT FITTINGS	HYDRANT ADJUSTED TO GRADE	HYDRANT EXTENDED AND ADJUSTED TO GRADE	VALVE BOX ADJUSTED TO GRADE	METER AND BOX RELOCATED	18.75 mm WATER SERVICE CONNECTION LONG SIDE	18.75 mm WATER SERVICE CONNECTION SHORT SIDE	VALVE CHAMBER ADJUSTED TO GRADE
	EACH	EACH	EACH	EACH	METER	EACH	EACH	EACH	EACH	EACH	EACH	EACH
194				2		1		2				2
195	1		1		165.5							
196	1		1	1	158.0							1
197				4		2		9				
200		1					1	6		2	2	
201	2						3	8		11	10	
202	2						2	7	1	11	11	
203				3		1	2	6				2
TOTALS	6	1	2	10	323.5	4	8	38	1	24	23	5

ITEM 660 - SODDING, UNSTAKED, AS PER PLAN (MEDIAN AREA)

STATION	TO	STATION	LENGTH	WIDTH	AREA
4+612		4+663.45	51.45 m	2.8 m	144.06 SQ. m
4+663.45		4+777.67	114.22 m	2.8 m TO 1.2 m	228.44 SQ. m
4+236.73		4+525.00	289.27 m	2.8 m	809.96 SQ. m
					1,182.46 SQ. m
					USE * 1,182.50 SQ. m

ITEM 659 - COMMERCIAL FERTILIZER

PERMENANT SODDING AREA = 7,078.5 SQ. M.

$$7,078.50 \text{ m}^2 \times 0.1 \text{ kg/m}^2 = 707.85 \text{ kg}$$

USE 708.0 kg

ITEM NO.	203	203	660
SHEET NO.	EXCAVATION NOT INCLUDING EMBANKMENT CONSTRUCTION	EMBANKMENT	SODDING, UNSTAKED, AS PER PLAN
	C.M.	C.M.	S.M.
106	63.4	2.9	55.0
107	257.9	9.1	143.0
108	70.0	51.1	244.0
109	53.5	54.1	288.0
110	849.8	4.4	300.0
111	861.7	3.4	318.0
112	1,188.1	0.3	433.0
113	608.8	1.2	109.0
114	327.7	8.8	170.0
115	91.2	4.9	68.0
116	25.3	39.0	207.0
117	76.5	3.6	116.0
118	672.5	0.7	177.0
119	1,329.0	0.0	497.0
120	793.8	0.0	415.0
121	594.9	1.7	333.0
122	455.1	4.9	348.0
123	404.2	3.4	236.0
124	594.8	0.0	38.0
125	745.6	0.0	199.0
126	1,005.8	0.8	511.0
127	249.4	26.9	381.0
128	16.9	11.5	107.0
129	38.8	3.0	34.0
130	147.5	3.3	63.0
131	62.5	2.7	44.0
132	56.5	1.2	33.0
133	46.8	0.2	13.0
134	80.2	1.0	2.0
135	43.9	0.6	0.0
136	84.1	1.0	0.0
137	41.0	0.9	0.0
138	107.0	0.9	0.0
139	150.2	0.0	0.0
140	156.8	0.6	0.0
141	131.8	2.5	0.0
142	34.6	3.8	0.0
143	36.5	7.3	5.0
144	80.9	33.7	5.0
145	56.9	27.1	4.0
* 59			1182.50
TOTALS	12,691.9	322.5	7,078.50

ESTIMATED QUANTITIES

LAK-640-3.444