PIPE SIZE (INCHES)	SPECIFICATION	GALLONS PER 100'	CHLORINE REQUIRED PER 100' FOR 25ppm (OUNCES)	HTH REQUIRED PER 100' FOR 25ppm (OUNCES)	CHLORINE REQUIRED PER 100' FOR 50ppm (OUNCES)	HTH REQUIRED PER 100' FOR 50ppm (OUNCES)
2	D2241 DR26	16.3	0.05	0.08	0.11	0.17
3	D2241 DR26	36.7	0.12	0.19	0.24	0.38
4	C-900 DR18 C-900 DR25	65.3	0.22	0.34	0.44	0.67
6	C-900 DR18 C-900 DR25	146.9	0.49	0.75	0.98	1.51
8	C-900 DR18 C-900 DR25	261.1	0.87	1.34	1.74	2.68
10	C-900 DR18 C-900 DR25	408.0	1.36	2.09	2.72	4.19
12	C-900 DR18 C-900 DR25	587.5	1.96	3.02	3.92	6.03
14	C-900 DR18 C-900 DR25	799.6	2.67	4.10	5.34	8.21
16	C-900 DR18 C-900 DR25	1044.4	3.48	5.36	6.97	10.72
18	C-900 DR18 C-900 DR25	1321.8	4.41	6.78	8.82	13.57
20	C-900 DR18 C-900 DR25	1631.9	5.44	8.38	10.89	16.57
22	C-900 DR18 C-900 DR25	1974.6	6.59	10.13	13.17	20.27
24	C-900 DR18 C-900 DR25	2349.9	7.84	12.06	15.68	24.12

NOTE:

1. Disinfection should conform to the current version of AWWA Standard C-651.
2. Calcium Hypochlorite (HTH) with 65% available chlorine by weight.
3. Formulas are as follows:

Cl_2 Required for disinfection (oz.) = Volume(MG) X Cl_2 dosage (ppm) X (8.34 lb/gal) X (16 oz/lb)

Calcium hypochlorite required for disinfection (oz.) = Cl_2 Required for disinfection (oz.) / (% AVAILABLE CL_2 /100)

ECUA EMERALD COAST UTILITIES AUTHORITY

DRAFT

SCALE: N.T.S.

DATE: 5/20/14

CHLORINE AND CALCIUM HYPOCHLORITE REQUIRED FOR DISINFECTION

DETAIL

D-42