COMOTARA RETIREMENT CENTER ADDITION
(Drainage)

DRAINAGE PLAN FOR COMOTARA RETIREMENT CENTER ADD.

	AREA	AREA ACCUM.	T_c	C	i_2	i_{100}	Q_{100}	V_{100}	PIPE SLOPE	PIPE SIZE	INLETS
I.	0.83		15	0.7	4.06	8.98	2.4	5.2		Not Req.	None
II.	0.46		15	0.7	4.06	8.98	1.9	4.1	0.56%	24"	None
III.	5.81	7.3	20	0.7	3.63	8.03	14.8	32.7	0.80%	30"	Inlet + Plug for Future Ext.
IV.	1.91		18	0.7	3.78	8.37	5.1	11.3	0.56%	15"	2 Inlets
V.	0.44		15	0.7	4.06	8.98	1.3	2.9	0.36%	18"	Inlet + Plug for Future Ext.
VI.	0.60	2.4	18	0.7	3.78		6.4				Inlet
VII.	3.31		15	0.7	4.06	8.98	1.7	3.8	0.76%	36"	
VIII.	3.04	10.3	20	0.7	3.63	8.03	26.2	58.0	0.72%	24"	4 Inlets
IX.	3.63		18	0.7	3.78	8.37	8.8	19.4	0.72%	24"	4 Inlets
X.			18	0.7	3.78	8.37	8.0	17.8	0.72%	24"	4 Inlets
			18	0.7	3.78	8.37	9.6	21.3	0.72%	24"	4 Inlets

Ditch in Reserve "A" will need ditch checks to control erosion.

NOTES:

AREA MAP

SCALE: 1" = 100'

LEGEND

- Proposed Storm Water Sewer
- Proposed Sanitary Sewer
- Flow Direction Arrow
- Drainage Area Divides
- Existing Sanitary Sewer

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