WASTEWATER FACILITIES

Sanitary Sewer System

Background

The City of Lake Elmo's sewer plan is based on the Memorandum of Understanding approved by the City of Lake Elmo and the Metropolitan Council dated January 27, 2005. This plan meets the intent of that agreement.

Existing Sanitary Sewer

The Southeast 1/4 of Section 33 is within the MUSA Boundary at this time. By agreement with the City of Oakdale this area discharges to a City of Oakdale sanitary sewer main in Hudson Boulevard. From there is enters the WONE interceptor. Under the agreement with the City of Oakdale, Lake Elmo is limited to the amount it can discharge.

Sanitary Sewer Plan

The MCES plans to extend a new sewer connection for the City of Lake Elmo to serve the east 1/2 of Section 33 and the southwest 1/4 of Section 34 ~~in~~ sometime after 2007. The connection will be near the City's existing lift station, and that lift station will continue to be active and maintained by the City.

The MCES will extend the Cottage Grove Ravine interceptor to serve the remainder of the City south of 10th Street, and the Old Village area ~~in~~ sometime after 2007. ~~However, full capacity of that pipe will not be realized until 2010 when downstream improvements are made. This should not affect the City's staging plans for municipal sewer service.~~

The City will extend a forcemain from the MCES interceptor to the Old Village Area. This forcemain will be designed to serve the planned ~~600~~ 900 new units, ~~500~~ 200 existing units ~~and a yet to be determined number of future units~~. The City plans to build this forcemain ~~in 2006 or~~ sometime after 2007.

The remainder of the City south of 10th Street, except Cimarron, will be served by gravity sanitary sewer beginning in 2015. It is not certain when Cimarron will connect to the regional sewer. Cimarron will need to install a lift station in order to be served by regional sewer

The existing units in Cimarron are assumed to be served by regional sewer between 2015 and 2030. That flow is not included in the forecasts.

The existing homes and business in the Old Village area of Lake Elmo are assumed to be served by regional sewer between 2010 and 2030. That flow has not been included in the forecasts.

The City has identified an area along Olson Lake Trail in the Tri-Lakes area that will be served with public sanitary sewer via an extension from the City of Oakdale. The City of Lake Elmo will work with the City of Oakdale to connect existing homes as public projects occur or as when otherwise feasible to make these connections.

Requirements for Areas Served by the Regional System

1.   Community Forecast of Households and Employment for Areas Served by Regional Sewer Service (SAC Units)

Year	New Households				Employment		
	W.O.N. E	Cott Gr. Old Village	Cottage Grove S of 10th	Total	W.0.N.E	Cottage Grove	Total
2005	0	0	0	0	100	0	100
2006	0	125	0	125	152	0	152
2007	0	250	0	250	204	0	204
2008	0	320	0	320	256	0	256
2009	0	390	0	390	308	0	308
2010	0	460	0	460	360	0	360
2011	0	530	0	530	384	0	384
2012	280	600	0	880	408	0	408
2013	560	600	0	1160	432	0	432
2014	840	600	0	1440	456	0	456
2015	1120	600	0	1720	480	0	480
2016	1120	600	100	1820	480	64	544
2017	1120	600	270	1990	480	128	608
2018	1120	600	440	2160	480	192	672
2019	1120	600	610	2330	480	256	736
2020	1120	600	780	2500	480	320	800
2021	1120	600	950	2670	480	384	864
2022	1120	600	1120	2840	480	448	928
2023	1120	600	1290	3010	480	512	992
2024	1120	600	1460	3180	480	576	1056
2025	1120	600	1630	3350	480	640	1120
2030	1120	600	2480	4200	480	920	1400

2.   Sanitary Sewer Plan Maps.

The Staging Plan Map shows sewer service staging in 5 year increments and future land use. The staging plan will be revised to reflect any updates to the Memorandum of Understanding between the City and the Metropolitan Council.

The Sewer Service Area – Tri Lakes map shows the sewer service area for existing homes to be provided with service along Lake Olson. There is no specific time frame identified for this area, but connections are expected to occur beginning in 2013.

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