

MANHOLE REHAB (LINING,SPRAYING,REPLACEMENT)

**1999 = MH 87,214,262,94
STORM MH 87,94**

2000 = MH 1005

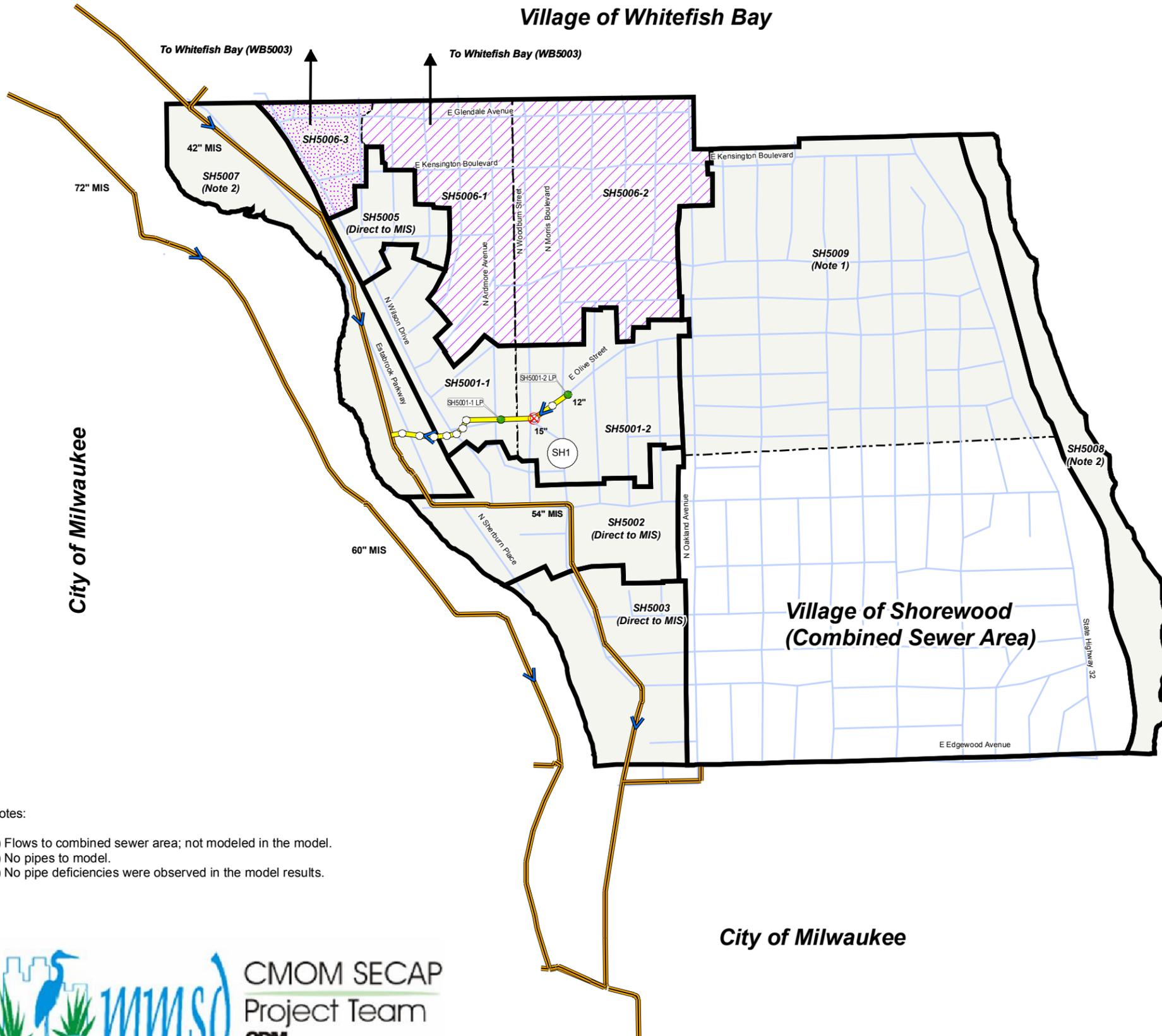
**2003 = MH 86,87,88,89,90,91,92,93
STORM MH 86,87,88**

**2005 = MH 190,85,87,263,256,235,213,208,216,188,194,290,291
292,228,226,214,195,199,275**

**2006 = MH 46,49,122,123,125,238,241,119,226,293,205,203,202
105,106**

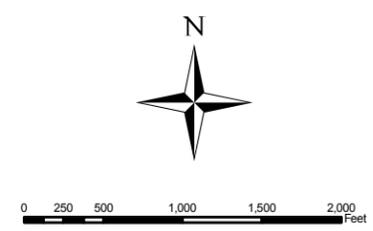
2008 = MH 4 (New Precast)

Village of Whitefish Bay



Legend

- Sanitary Manhole
- ⊗ Bypass Location and Bypass Identifier
- ⊗ Load Point (LP) and Load Point Identifier
- ⊗ Pump
- ➔ Flow Direction
- MIS
- Modeled Sanitary Main
- Modeled Sanitary Force Main
- Roads
- - - Subwatershed Boundary
- Sewershed Boundary
- ▨ Sewer system from another municipality included in this model
- ▨ Sewer system included in another municipality model
- ▨ Flows included in another municipality model
- ▨ Flows from another municipality included in this model



- Notes:
- 1) Flows to combined sewer area; not modeled in the model.
 - 2) No pipes to model.
 - 3) No pipe deficiencies were observed in the model results.

VILLAGE OF SHOREWOOD
Modeled Sanitary Sewer System Schematic
 7/14/2006
 Modified by MMSD for Municipal CMOM
 4/2007

This figure was compiled from a number of data sources for the purpose of displaying the MOUSE model schematic and SECAP project modeling results. Actual sizes, lengths, or other details of the system components should be verified with the local municipality and/or MMSD before using in any subsequent analyses, design, or other purposes.

Village of Shorewood - Sewer Diameter & Length

Diameter (inches)	Length in Feet		
	Sanitary	Combined	Storm
8	53,780		
10	6,220		
12	680	45,740	35,100
12x18		13,860	
15	520	6,040	12,380
15x24		7,220	
18		1,720	6,880
21		980	4,100
24		640	5,200
24X36			1,360
24x48			1,680
27		1,280	2,740
30		5,200	3,540
36		4,200	5,820
42		2,480	540
42x54		2,020	620
48		1,300	500
54		620	860
60		800	1,820
66		1,780	
72		740	1,740
78		580	
TOTAL	61,200	97,200	84,880
Total Miles	11.59	18.41	16.08
Total Manholes			

Total Sewers (Sanitary & Combined)

158,400 Feet

Total Sewers (Sanitary & Combined)

30.0 Miles

SEWER LINING OR REPLACEMENT

1997 = Lake Drive MH 461 – 463 & 482 – 487 12” & 15”

1998 = Estabrook outfall 24” x107’

Farwell MH 418 - 419 Marion MH 393 - 859 12” x 286’

1999 = Storm Crossover between Newhall & Larkin 24” x 305’

2001 = Beverly MH 635 - 636 12” x 116’

Newton MH 664 - 665 12” x 137

Menlo MH 711 - 712 12” 137

Kensington MH 220 - 222

Oakland MH 222 - 223 8”

Glendale MH 272 – 275 8”

2003 = Stowell Dead End MH 310 - 316 15” & 12”

Murray MH 829 - 830 12”

Newhall Storm Capitol - Olive 12” & 24”

Bartlett Storm Kenmore – Olive 15” & 12”

Kenmore Storm Newhall – Bartlett 15”

2005 = Stratford MH 1053 – 1055 & 1054 – 1056 12” x 632’

Menlo MH 683 – 684 & 686 – 687 12” x 296’

2006 = Woodburn MH 228 – 293 8” x 1187’

2007 = Woodburn MH 114 – 117

Woodburn 16 Laterals 4100 – 4141

2008/09 = Morris MH 109 – 105 8”

Morris MH 203 – 204 8”

Morris MH 54 – 56 8”

Morris MH 3 – 17 8”

Beverly MH 6 – 8 8”

Newton MH 18 – 19 8”

Newhall MH 4(start) 50 ft. South (end) 8”