Detroit Water and Sewerage Department

Wastewater Master Plan

DWSD Project No. CS-1314

Onsite Sewage Disposal Systems in the City of Detroit

Technical Memorandum
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Onsite Sewage Disposal Systems in the City of Detroit

1. Purpose And Scope

The purpose of this technical memo is to:

- Identify areas in the City of Detroit that have or may have onsite sewage disposal systems (OSDS)
- Determine if buildings that have or are suspected to have OSDS are within 200 feet of a sanitary sewer, and
- Determine how municipal sewage disposal could be provided for properties that are in the City of Detroit and are more than 200 feet from a sanitary sewer.

2. Identification Of Components

A query was made of DWSD records for addresses that are being billed for water supply but are not paying for sewage disposal. A review was also made of the records at the Detroit City Health Department for locations that were issued septic permits in the past. The City of Detroit sewer maps were used to determine where sanitary sewers were located.

3. Methods

The list of addresses that DWSD is billing for water only was compared to a list of the locations in the city that were investigated by the Detroit City Health Department (DCHD) for issuance of a permit for an OSDS. The list was then added to the GIS database for the City of Detroit to plot the locations on a map. The list and map were shared with DWSD and the DCHD. Each department identified steps it could take to verify the data and assist in fulfilling the purpose of the project.

The DCHD said it would work with Building and Safety Engineering to check the 26 addresses for use of an OSDS. Building and Safety Engineering Department said that it might be possible to inspect the other properties that may have OSDS at the time of sale of the property. This would require changes in the procedures at the Building and Safety Engineering Department and discussion of the department with DWSD.

The addresses were reviewed by DWSD Water Supply Operations to check on information they may have related to the water only billing list.

4. Findings

DWSD records of properties that are served by city water and not served by city sewer found 331 locations that met that criterion. This list was cross-checked with the list of properties that had requested a permit from the DCHD for an OSDS or had a complaint about a problem with OSDS. The result was 26 addresses that receive city

water, do not pay for sewage disposal to DWSD and had some indication of use of an OSDS on the property. In addition, there were two other properties that called about their OSDS. The call related to the house at 23880 Dehner revealed that they were paying for water and sewerage but still had a septic system. This raises the possibility that there are other buildings, which are billed for water and sewerage but still use an OSDS. The second property, a golf course, had a failure of its OSDS. The golf course is connected to water and sewer systems but still has an OSDS. Also it was found that a house at the corner of Riverview and Dehner is billed for water only, but appears to be connected to the public sewer.

The list of properties that are water-only accounts and may have OSDS is shown in Table 1 along with comments from the records at the DCHD. Most of these properties are located in the northwest part of the city near Eliza Howell Park. Figure 1 is a map showing the locations of the 295 (of the 331 addresses) addresses that matched the Arcview address data base.

A second review with DWSD Commercial Division of the list of 331 properties revealed that 154 properties had sewage disposal being provided by other municipalities. Melvindale, Dearborn and Redford are providing these services. A third review by the DWSD Commercial Division identified addresses that have had final billing and are no longer receiving water. These addresses were deleted from the list. There are 8 records that did not have sufficient information to identify the property. This leaves 103 properties in Detroit that are currently receiving DWSD water, but may not be paying for sewage disposal. These properties may be using an OSDS.

The DCHD checked 46 of the properties on the list with 103 addresses. They found that 27 of addresses were on OSDS. Ten of the addresses that have an OSDS are within 200 feet of the combined sewer system. Seventeen were on sewer but did not appear on the water billing list for paying for sewer service. At least 2 of the addresses are now vacant lots. Subtracting the 2 vacant properties leaves a list of 101 addresses.

By comparing Figure 1 with the public sewer maps of the city, it could be determined if sewers were near the properties. This review found 84 addresses that have sewers within 200 feet of the property and 17 that did not have sewers within 200 feet of the property. Table 2 is the list of addresses (17), verified by the DCHD, that do not have public sewers within 200 feet of their property. Table 3 is the list of addresses (84) that are water only accounts that have public sewer within 200 feet of their property. Table 3 also includes the DCHD OSDS file information and information that they field verified about sewer connections.

Pumping systems will be required to connect OSDS properties to the public sewers. This could be done with a septic tank effluent pumping system or conventional pump station using gravity sewers from the property to the pump station. A conceptual plan for sewering the Riverdale area is shown in Figure 2. Gravity sewers draining to two pumping stations could be used to pump the sewage to existing DWSD sewers.

5. Conclusions

There are at least 27 locations in the City of Detroit that are likely to have OSDS. To serve these properties with public sewers will require pumping of sewage for some of the properties.

There are 101 addresses in the City of Detroit that are receiving DWSD water but are not likely to be paying for sewage disposal at that address. (It is possible for a property to have a water meter and have its sewer bill paid by another address.) There are also properties in the city that are paying for both water and sewer but may still be using an OSDS. And finally there are properties that are connected to the water and sewer system and are paying for water only.

The city should implement a program to verify that properties are connected to the sewer. This could be done by the Building and Safety Engineering Department when a building is reviewed at the time of sale of the building. In addition, the city should identify costs for buildings with OSDS to connect to public sewers. It is also recommended that the city Building and Safety Engineering Department verify a sewer connection when making an inspection at the time of sale of a property. This would verify which houses have OSDS, which are connected to the sewer and which are paying for both sewer and water.

Appendix A

Table 1: Addresses in The City of Detroit that may have Onsite Sewage Disposal Systems

Figure1: Possible On-Site Sewage Locations, City of Detroit

Figure 2: Conceptual Plan for Sewers to Serve Riverdale Area

Table 2: Addresses Not Within 200 Ft of Existing Sewer

Table 3: Water Only Addresses Within 200 Ft of Existing Sewer Lines

Table 1. Water only in the City of Detroit

Street #	Street Name	City	Within 200FT of existing sewer
450	E. Warren	?	?
3901	Huron	?	?
3902	Huron	?	?
3301	Mack	?	?
8540	Second	?	?
26560	W. Outer Drive	?	?
22	W. Willis	?	?
3902	Williams	?	?
6000	Evergreen	Dearborn	Y
9300	Southern	Dearborn	Y
16545	W. Outer Drive	Dearborn	N
6311	Heyden	Dearborn	Y
6315	Heyden	Dearborn	Y
6325	Heyden	Dearborn	Y
6335	Heyden	Dearborn	Y
6343	Heyden	Dearborn	Y
6349	Heyden	Dearborn	Y
6355	Heyden	Dearborn	Y
6373	Heyden	Dearborn	Y
6383	Heyden	Dearborn	Y
6393	Heyden	Dearborn	Y
6401	Heyden	Dearborn	Y
6415	Heyden	Dearborn	Y
6429	Heyden	Dearborn	Y
6433	Heyden	Dearborn	Y
6439	Heyden	Dearborn	Y
6445	Heyden	Dearborn	Y
6457	Heyden	Dearborn	Y
270	Adair	Detroit	Y
14240	Arlington	Detroit	Y
12869	Artesian	Detroit	Y
12891	Artesian	Detroit	Y
20	Atwater	Detroit	Y
5223	Barham	Detroit	Y
20623	Berg	Detroit	Y
555	Brush	Detroit	Y
2420	Calvert	Detroit	Y
2507	Cass	Detroit	Y
7175	Clayton	Detroit	Y

3747	Concord	Detroit	Y	
100	Continental	Detroit	Y	
15475	Dale	Detroit	Y	
15721	Dale	Detroit	Y	H.D. permit 1948
23610	Dehner	Detroit	N	water
23564	Dehner	Detroit	N	water off1977
23570	Dehner	Detroit	N	water off 2001
23600	Dehner	Detroit	N	water
23642	Dehner	Detroit	N	water
23850	Dehner	Detroit	Y	
23880	Dehner	Detroit	Y	2001 requested sewer connection
18010	Dequindre	Detroit	Y	
1375	Dix	Detroit	Y	
9050	Dix	Detroit	Y	
12670	Dolson	Detroit	Y	OSDS failure 1963, septic complaint 1956
12684	Dolson	Detroit	Y	H.D. permit1955
12859	Dolson	Detroit	Y	H.D. permit 1937
11500	E. Eight Mile	Detroit	Y	H.D. permit1951, 3 permits
333	E. Jefferson	Detroit	Y	
8650	E. Jefferson	Detroit	Y	
12270	E. Jefferson	Detroit	Y	
12480	Evergreen	Detroit	N	water off 1977+E95
12490	Evergreen	Detroit	Y	
14175	Fordham	Detroit	Y	
23501	Grand River	Detroit	Y	
25025	Grand River	Detroit	Y	
13535	Gratiot	Detroit	Y	
12851	Greydale	Detroit	Y	
12899	Greydale	Detroit	Y	H.D. permits 1950, 1965
12901	Greydale	Detroit	Y	sewage failure 1970
13500	Greydale	Detroit	Y	
12931	Halley	Detroit	Y	
13589	Halley	Detroit	Y	H.D. Permit 1944
7701	Harper	Detroit	Y	
8815	Harper	Detroit	Y	
9650	Harper	Detroit	Y	
10001	Hayes	Detroit	Y	
16601	Hazelton	Detroit	Y	
17233	Healy	Detroit	Y	
420	Henry	Detroit	Y	
20517	Hubbell	Detroit	Y	
8330	John R.	Detroit	Y	
23900	Keeler	Detroit	Y	
22137	Kessler	Detroit	Y	
22191	Kessler	Detroit	Y	
48	Lothrup	Detroit	Y	

17145	Mack	Detroit	Y	
17171	Mack	Detroit	Y	
19103	Mack	Detroit	Y	
18319	McIntyre	Detroit	Y	H.D. Permit 1950
18401	McIntyre	Detroit	Y	H.D. permit 1949
9121	Mettetal	Detroit	Y	
18914	Mitchell	Detroit	Y	
74	Monroe	Detroit	Y	
12118	Northlawn	Detroit	Y	
600	Pallister	Detroit	Y	
761	Pallister	Detroit	Y	
100	Parkview	Detroit	Y	
2092	Pingree	Detroit	Y	
8841	Prevost	Detroit	Y	
18301	Redfern	Detroit	Y	
16630	Ridge	Detroit	Y	H.D. permit 1948
16643	Ridge	Detroit	Y	
16651	Ridge	Detroit	Y	
16658	Ridge	Detroit	Y	
16661	Ridge	Detroit	Y	
16696	Ridge	Detroit	Y	septic inspection requested 1990, H.D. 1955
16706	Ridge	Detroit	Y	H.D. permit 1955
16674	Ridge	Detroit	Y	
16811	Riverdale	Detroit	N	water off 1989
23325	Riverdale	Detroit	N	
23327	Riverdale	Detroit	N	H.D.permit 1954, water
23329	Riverdale	Detroit	N	
23315	Riverdale	Detroit	N	
23339	Riverdale	Detroit	N	H.D.permit 1954
23361	Riverdale	Detroit	N	H.D. permit 1955
23321	Riverdale	Detroit	Y	
16942	Riverview	Detroit	Y	
232	S. Heidt	Detroit	Y	
316	S. Heidt	Detroit	Y	
15387	San Juan	Detroit	Y	
12380	Sanders	Detroit	Y	
21741	Schoolcraft	Detroit	Y	H.D. permit 1950
129	Selden	Detroit	Y	
18035	Sherwood	Detroit	Y	
18951	Shiawassee	Detroit	Y	
19272	Shiawassee	Detroit	Y	
600	Townsend	Detroit	Y	
4801	Trumbull	Detroit	Y	
1227	Twenty First	Detroit	Y	
22153	Verne	Detroit	Y	waste to ground 1953
22221	Verne	Detroit	Y	sewage failure 1962

22211	Verne	Detroit	Y	sewage failure 1962
22205	Verne	Detroit	Y	sewage failure 1962
16100	W. Eight Mile	Detroit	Y	
22909	W. Eight Mile	Detroit	Y	
22925	W. Eight Mile	Detroit	Y	
23050	W. Eight Mile	Detroit	Y	
23201	W. Eight Mile	Detroit	Y	
23301	W. Eight Mile	Detroit	Y	
23321	W. Eight Mile	Detroit	Y	
23401	W. Eight Mile	Detroit	Y	
23501	W. Eight Mile	Detroit	Y	
23601	W. Eight Mile	Detroit	Y	
23621	W. Eight Mile	Detroit	Y	
23641	W. Eight Mile	Detroit	Y	
20342	W. Grand River	Detroit	Y	
3355	W. Jefferson	Detroit	Y	
7819	W. Jefferson	Detroit	Y	
9300	W. Jefferson	Detroit	Y	
22633	W. McNichols	Detroit	Y	H.D. permit 1940
22625	W. McNichols	Detroit	Y	H.D. permit 1940
22801	W. McNichols	Detroit	Y	H.D. permit 1946
22821	W. McNichols	Detroit	Y	H.D. permit 1955
22837	W. McNichols	Detroit	Y	
22861	W. McNichols	Detroit	Y	
23485	W. McNichols	Detroit	Y	
23641	W. McNichols	Detroit	Y	H.D. permit 1952
25025	W. McNichols	Detroit	Y	
12457	W. Outer Drive	Detroit	Y	
8417	W. Parkway	Detroit	Y	
8427	W. Parkway	Detroit	Y	
8439	W. Parkway	Detroit	Y	
8449	W. Parkway	Detroit	Y	
8459	W. Parkway	Detroit	Y	
8469	W. Parkway	Detroit	Y	
8479	W. Parkway	Detroit	Y	
8489	W. Parkway	Detroit	Y	
8601	W. Parkway	Detroit	Y	
8615	W. Parkway	Detroit	Y	
8625	W. Parkway	Detroit	Y	
8647	W. Parkway	Detroit	Y	
8655	W. Parkway	Detroit	Y	
8667	W. Parkway	Detroit	Y	
8677	W. Parkway	Detroit	Y	
8685	W. Parkway	Detroit	Y	
8691	W. Parkway	Detroit	Y	
8701	W. Parkway	Detroit	Y	

1191	W. Philadelphia	Detroit	Y	
16825	W. Riverdale	Detroit	N	
16855	W. Riverdale	Detroit	N	
16889	W. Riverdale	Detroit	N	
16905	W. Riverdale	Detroit	N	
16933	W. Riverdale	Detroit	N	H.D. permit 1949
16951	W. Riverdale	Detroit	N	
16967	W. Riverdale	Detroit	N	
16985	W. Riverdale	Detroit	N	
16991	W. Riverdale	Detroit	N	H.D. permit 1955
17010	W. Riverdale	Detroit	N	
9300	W. Vernor	Detroit	Y	
16200	W. Warren	Detroit	Y	
19825	W. Warren	Detroit	Y	
20217	W. Warren	Detroit	Y	
20651	W. Warren	Detroit	Y	
21547	W. Warren	Detroit	Y	
21655	W. Warren	Detroit	Y	
4149	Woodward	Detroit	Y	
19940	Wyoming	Detroit	Y	
13166	Powell	Melvindale	Y	
13196	Powell	Melvindale	Y	
1415	Schaefer	Melvindale	N	
1500	Schaefer	Melvindale	N	
16503	Five Points	Redford	N	
16519	Five Points	Redford	N	
16531	Five Points	Redford	N	
16543	Five Points	Redford	N	
16553	Five Points	Redford	N	
16579	Five Points	Redford	N	
16593	Five Points	Redford	N	
16601	Five Points	Redford	N	
16627	Five Points	Redford	N	
16639	Five Points	Redford	N	
16651	Five Points	Redford	N	
16661	Five Points	Redford	N	
16805	Five Points	Redford	N	
16817	Five Points	Redford	N	
16829	Five Points	Redford	N	
16841	Five Points	Redford	N	
16853	Five Points	Redford	N	
16865	Five Points	Redford	N	
16877	Five Points	Redford	N	
16889	Five Points	Redford	N	
16901	Five Points	Redford	N	
16913	Five Points	Redford	N	

16925	Five Points	Redford	N
16935	Five Points	Redford	N
17189	Five Points	Redford	N
17201	Five Points	Redford	N
17209	Five Points	Redford	N
17217	Five Points	Redford	N
17225	Five Points	Redford	N
17233	Five Points	Redford	N
17243	Five Points	Redford	N
17249	Five Points	Redford	N
17301	Five Points	Redford	N
17125	Five Points	Redford	Y
17141	Five Points	Redford	Y
17157	Five Points	Redford	Y
17167	Five Points	Redford	Y
17175	Five Points	Redford	Y
18603	Five Points	Redford	Y
18617	Five Points	Redford	Y
18623	Five Points	Redford	Y
18631	Five Points	Redford	Y
18639	Five Points	Redford	Y
18647	Five Points	Redford	Y
18655	Five Points	Redford	Y
18667	Five Points	Redford	Y
18671	Five Points	Redford	Y
18681	Five Points	Redford	Y
18689	Five Points	Redford	Y
18703	Five Points	Redford	Y
18715	Five Points	Redford	Y
18805	Five Points	Redford	Y
18815	Five Points	Redford	Y
18823	Five Points	Redford	Y
18829	Five Points	Redford	Y
18835	Five Points	Redford	Y
19155	Five Points	Redford	Y
19207	Five Points	Redford	Y
19219	Five Points	Redford	Y
19247	Five Points	Redford	Y
19253	Five Points	Redford	Y
19261	Five Points	Redford	Y
19277	Five Points	Redford	Y
19283	Five Points	Redford	Y
19295	Five Points	Redford	Y
19307	Five Points	Redford	Y
19319	Five Points	Redford	Y
19331	Five Points	Redford	Y

19395	Five Points	Redford	Y
19399	Five Points	Redford	Y
19401	Five Points	Redford	Y
19413	Five Points	Redford	Y
19423	Five Points	Redford	Y
19435	Five Points	Redford	Y
19445	Five Points	Redford	Y
19455	Five Points	Redford	Y
19465	Five Points	Redford	Y
19475	Five Points	Redford	Y
19487	Five Points	Redford	Y
19497	Five Points	Redford	Y
19519	Five Points	Redford	Y
19525	Five Points	Redford	Y
19535	Five Points	Redford	Y
19543	Five Points	Redford	Y
19551	Five Points	Redford	Y
19817	Five Points	Redford	Y
19829	Five Points	Redford	Y
19841	Five Points	Redford	Y
19853	Five Points	Redford	Y
19865	Five Points	Redford	Y
19877	Five Points	Redford	Y
19889	Five Points	Redford	Y
19919	Five Points	Redford	Y
19925	Five Points	Redford	Y
19945	Five Points	Redford	Y
19985	Five Points	Redford	Y
20005	Five Points	Redford	Y
20015	Five Points	Redford	Y
20025	Five Points	Redford	Y
20061	Five Points	Redford	Y
20093	Five Points	Redford	Y
20097	Five Points	Redford	Y
20411	Five Points	Redford	Y
20421	Five Points	Redford	Y
20431	Five Points	Redford	Y
20441	Five Points	Redford	Y
20453	Five Points	Redford	Y
20463	Five Points	Redford	Y
20473	Five Points	Redford	Y
20483	Five Points	Redford	Y
20493	Five Points	Redford	Y
20503	Five Points	Redford	Y
20521	Five Points	Redford	Y
20541	Five Points	Redford	Y

20561	Five Points	Redford	Y
20581	Five Points	Redford	Y
9590	Hazelton	Redford	N
9419	Hazelton	Redford	Y
9425	Hazelton	Redford	Y
19996	Imperial	Redford	Y
23250	Meadow	Redford	N
23210	Meadow	Redford	Y
24135	Puritan	Redford	Y
24255	Puritan	Redford	Y
23925	Schoolcraft	Redford	Y
15752	Telegraph	Redford	N
15778	Telegraph	Redford	N
15879	Woodbine	Redford	N
15880	Woodbine	Redford	N
15883	Woodbine	Redford	N

Other properties

11701	Burt	8/01 Rouge Golf course failure

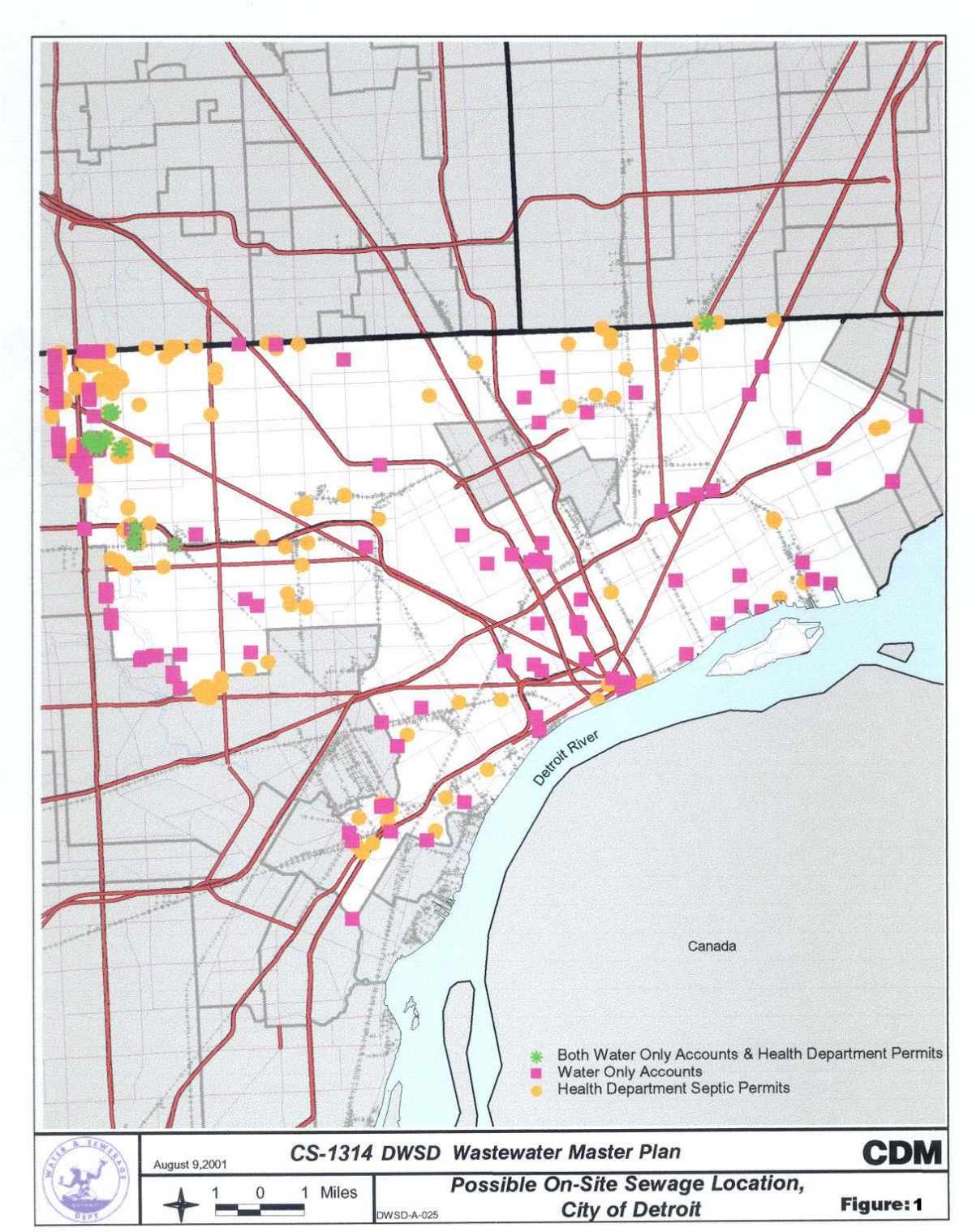

Figure 1. Possible On-Site Sewage Disposal Locations in the City of Detroit



Figure 2. Possible Sewer Construction in the Riverdale Area

Table 2: Addresses NOT Within 200 Ft of Existing Sewer Line

Street #	Street Name	City	
23610	Dehner	Detroit	water, *onseptic
23600	Dehner	Detroit	water, *onseptic
23642	Dehner	Detroit	water, *onseptic
23325	Riverdale	Detroit	water, *onseptic
23327	Riverdale	Detroit	water, septic permit 1954, *onseptic
23339	Riverdale	Detroit	water, septic permit 1954, *onseptic
23361	Riverdale	Detroit	water, septic permit 1955, *onseptic
16825	W. Riverdale	Detroit	water, *onseptic
16855	W. Riverdale	Detroit	water, *onseptic
16889	W. Riverdale	Detroit	water, *onseptic
16905	W. Riverdale	Detroit	water, *onseptic
16933	W. Riverdale	Detroit	water, septic permit 1949, *onseptic
16951	W. Riverdale	Detroit	water, *onseptic
16967	W. Riverdale	Detroit	water, *onseptic
16985	W. Riverdale	Detroit	water, *onseptic
16991	W. Riverdale	Detroit	water, septic permit 1955, *onseptic
17010	W. Riverdale	Detroit	water, *onseptic

Table 3: Water Only Addresses Within 200 Ft of Existing Sewer Line

Street #	Street Name	City	
14240	Arlington	Detroit	?
12869	Artesian	Detroit	water
12891	Artesian	Detroit	water
20	Atwater	Detroit	Water, Star of Detroit
20623	Berg	Detroit	water
11701	Burt Road	Detroit	Rouge Golf Course septic failure 8/2001
2420	Calvert	Detroit	water
7175	Clayton	Detroit	Fire line
100	Continental	Detroit	?
15475	Dale	Detroit	water
23850	Dehner	Detroit	water
23880	Dehner	Detroit	water, sewer connection requested 1998
18010	Dequindre	Detroit	?, 1989 sprinkler only, water off no meter
1375	Dix	Detroit	water
12859	Dolson	Detroit	?, septic permit 1937
11500	E. Eight Mile	Detroit	water, 3 septic permits 1951, also 1947, 1949, Grand Trunk WRR
8650	E. Jefferson	Detroit	water
12270	E. Jefferson	Detroit	water
23501	Grand River	Detroit	water
12851	Greydale	Detroit	water
12899	Greydale	Detroit	water, abandoned?septic permits 1965, 1950
13589	Halley	Detroit	water, septic permit 1944
10001	Hayes	Detroit	water

16601	Hazelton	Detroit	?
420	Henry	Detroit	water
20517	Hubbell	Detroit	water
23900	Keeler	Detroit	water
48	Lothrup	Detroit	?
17145	Mack	Detroit	water
17171	Mack	Detroit	water
18401	McIntyre	Detroit	water,1949 permit for Redford G.C.18461?
12118	Northlawn	Detroit	?
600	Pallister	Detroit	?
761	Pallister	Detroit	?
100	Parkview	Detroit	?
18301	Redfern	Detroit	water, sewer too low 1994
16630	Ridge	Detroit	water, permit 1948, on septic*
16643	Ridge	Detroit	septic permit 1937, tank to 6 inch drain, on septic*
16651	Ridge	Detroit	*onseptic, owner reported biohazard in the area
16658	Ridge	Detroit	water, *onseptic
16661	Ridge	Detroit	water, * reported to have filled tank next to garage, on sewer
16696	Ridge	Detroit	water, septic permit 1955, insp.request 1990, no septic*, on sewer
16706	Ridge	Detroit	water, two septic permits 1955, no septic* on sewer
16674	Ridge	Detroit	water, *on sewer
23321	Riverdale	Detroit	septic permit 1955
16942	Riverview	Detroit	water
232	S. Heidt	Detroit	water
316	S. Heidt	Detroit	water
12380	Sanders	Detroit	?
21741	Schoolcraft	Detroit	?
18951	Shiawassee	Detroit	water
19272	Shiawassee	Detroit	water
600	Townsend	Detroit	?
16100	W. Eight Mile	Detroit	?,*vacant lot
22909	W. Eight Mile	Detroit	water, *warehouse or business on sewer
22925	W. Eight Mile	Detroit	water, *warehouse or business on sewer
23201	W. Eight Mile	Detroit	water, *apartment on sewer
23301	W. Eight Mile	Detroit	water, *apartment on sewer
23321	W. Eight Mile	Detroit	water, *apartment on sewer
23401	W. Eight Mile	Detroit	water, *apartment on sewer
23501	W. Eight Mile	Detroit	water, *apartment on sewer
23601	W. Eight Mile	Detroit	water, *apartment on sewer
23621	W. Eight Mile	Detroit	water, *apartment on sewer
23641	W. Eight Mile	Detroit	water, *apartment on sewer
20342	W. Grand River	Detroit	?
3355	W. Jefferson	Detroit	?
7819	W. Jefferson	Detroit	water
22633	W. McNichols	Detroit	?
22801	W. McNichols	Detroit	water, septic permit 1945, seepage basin sewer needed 1964, on septic*

22821	W. McNichols	Detroit	water, septic permit 1955, insp.request 1990, on septic*
22837	W. McNichols	Detroit	water, on septic*
22861	W. McNichols	Detroit	water, on septic*
23485	W. McNichols	Detroit	water, on septic*
23641	W. McNichols	Detroit	water, septic permit 1952, on septic*
25025	W. McNichols	Detroit	water
12457	W. Outer Drive	Detroit	?, septic permit 1946
28560	W. Outer Drive	?	water
9300	W. Vernor	Detroit	?
19825	W. Warren	Detroit	?, *on sewer, pharmacy
20217	W. Warren	Detroit	water, *on sewer
20651	W. Warren	Detroit	water, *on sewer, Girls Detention Center
21547	W. Warren	Detroit	water, *Restaurant, tank in back probable goes to sewer
3902	Williams	?	water
19940	Wyoming	Detroit	water

* = information confirmed by Detroit City Health Dept.

This list was updated based on information from John Leonard, 9-17-02. Also from Dearborn Heights and Southfield Oct. 2002 on properties they are serving with sewers. Added were four properties with city unknown.

Jan.6, 2003 Added Jan. 2003 is information * from Detroit Health Department