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Ms. Shanna Schmidt and
Ms. Stacey Hendry-Van Patten
Minnesota Pollution Control Agency
520 Lafayette Road North
St. Paul, Minnesota 55155-4194

ENVIRONMENT

Subject:
Initial Receptor Survey
Ford Twin Cities Assembly Plant, St. Paul, Minnesota
MPCA VIC Project Number VP23530
MPCA PBP Project Number PB3682

Date:
July 18, 2011

Contact:
Rob Ellis

Phone:
248.994.2252

Email:
rob.ellis@arcadis-us.com

Dear Ms. Schmidt and Ms. Hendry-Van Patten:

Our ref:
DE000373.0001

This letter report summarizes the results of the initial receptor survey completed by ARCADIS in May, 2010 on behalf of Ford Motor Company (Ford) at the Twin Cities Assembly Plant (TCAP) in St. Paul, Minnesota (Figure 1). The receptor survey at the TCAP was conducted in accordance with the requirements of the Minnesota Pollution Control Agency (MPCA) Guidance Document 4-02, *Potential Receptor Surveys and Risk Evaluation Procedures at Petroleum Release Sites* (September 2008) and MPCA Guidance Document 4-18, *Public Water Supply Risk Assessment at Petroleum Remediation Sites* (Document 4-18 April 2005). The receptor survey was completed to assess the potential of groundwater, vapor, and surface-water receptors near the Site. Soil gas, utility vapor sampling, and risk evaluations will be completed in the future.

Site Location

The TCAP is located at 966 South Mississippi River Boulevard in St. Paul, Ramsey County, Minnesota at the approximate easting coordinate 484562.5 meters (m) and northing coordinate 4973822.5 m. The TCAP is located in a mixed industrial-, commercial-, and residential-use area on the eastern shore of the Mississippi River, along the east side of South Mississippi River Boulevard, south of Ford Parkway and west of South Cleveland Avenue, in St. Paul, Minnesota.

Imagine the result

Receptor Survey

Water Well Receptor Survey

A walking receptor survey was completed on May 24, 2010 to identify properties within 500 feet of the Site. The survey consisted of obtaining property addresses and observations from public property (i.e. road or sidewalk) if any water supply wells are present on the property.

ARCADIS generated a questionnaire that was mailed to each property owner within 500 feet of the Site. The questionnaire asked them to identify if they have any wells, sumps, or basements on their property and if so, what the wells are used for. All property owners were given one month to reply to the survey, and the survey stated that if no response was received that no well, basement, or sump will be assumed on the property. A summary of addresses the survey was mailed to is presented in Table 1.

ARCADIS also contacted the City of St. Paul Utility Department to determine where the city acquires their water supply from and requested a map of all existing subsurface utilities within a mile of the Site. A source water assessment was also conducted utilizing the MDH online source water assessment tool. The data was used to determine if the Site was located in a Drinking Water Supply Management Area (DWSMA). The Site is not located in the DWSMA. St. Paul water is from the Mississippi River, which is pumped through a chain of lakes, including Charles, Pleasant, Sucker, and Vadnais before it reaches a treatment plant. A small portion of the water is received from a select few wells in Vadnais Heights. Water intake from the Mississippi River at the St. Paul Water Works is 13.5 miles upstream (north) of the Ford Plant.

A total of 270 initial receptor survey letters were sent to property owners within 500 feet of the Site, 104 letters were returned (Appendix B), and one response received via phone. Of the 105 responses, two of the properties indicated wells existed on the premises. One well is located at 2218 West Pinehurst Avenue, and the other at 745 Mt. Curve Blvd. The 745 Mt. Curve Blvd well is noted to have been abandoned, and neither of the wells were identified during the walking survey. A response of unknown or with a "?" were interpreted as not having a well on the premises.

The location and use of the well located at 2218 West Pinehurst is unknown to the home owner and was not visible during the walking survey. Since this address is connected to city water, it is unlikely the well is used as a potable water source.

Additionally, ARCADIS completed an online well search via the Minnesota Department of Health (MDH) online County Well Index (CWI), and searched for wells within 0.5 miles of the Site. Neither of the wells stated above from the receptor survey were found in the MDH CWI. Figure 2 present the locations of all wells located within 0.5 mile of the Site and well details are presented in Table 2. MDH well and boring records for all of the wells located within 0.5 miles of the Site are included in Appendix A.

Forty-one wells were identified from the CWI within 0.5 mile of the Site. Of the 41 wells identified, one well is for domestic use (as stated on the MDH boring and well record), three wells are for commercial or air conditioning, 30 wells are for monitoring, and 7 wells are labeled for elevator use. One domestic well is on the west side of the river across from the Ford Plant. The well location for well unique # 223849 on Figure 2 is an approximate location based on the Township, Range, and Section sub-sections were not provided).

Vapor Receptor Survey

Based on the utility map provided to ARCADIS from the City of St. Paul, potential nearby vapor receptors were identified within 500 feet of the Site. Receptors include storm water lines and catch basins, sanitary sewer lines, and water mains. See Figures 3 through 7 for all subsurface utilities identified near the Site.

Surface Water Receptor Survey

ARCADIS identified all surface water bodies within 0.25 mile of the Site, and obtained the information from the Capital Region watershed District, USGS topographical maps, and a walking survey.

The walking survey was conducted on May 24, 2010 by observing from public property and confirming wetland and surface water locations. Surface water located within 0.25 mile of the Site is the Mississippi River, Hidden Falls (storm water discharge), and a small holding pond (Figure 5) for and next to the water treatment plant on Ford property.

Conclusion

An initial receptor survey was completed identifying 42 wells within 0.5 mile of the Site. Since the TCAP is on the Mississippi River, all wells, other than on Site monitoring wells are up gradient or side gradient and there are several wells across

on the west side of the Mississippi River. Several catch basins and manholes were identified on and off Site for future vapor receptor surveying. Two surface water bodies were also identified within 0.25 mile of the Site.

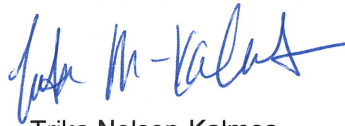
We appreciate your assistance with this project. If you have questions or need additional information, please call Rob Ellis of ARCADIS at your convenience.

Sincerely,

ARCADIS U.S., Inc.



Robert J. Ellis
Project Manager



Trika Nelson-Kalmes
Staff Scientist

Copies:

Ms. Barbara Rusinowski, Ford Motor Company, Dearborn, Michigan
Mr. John Meyers, Ford, Twin Cities Assembly Plant, St. Paul, Minnesota



Tables

**Table 1. Receptor Survey Properties Located Within 500 Feet of the Ford Plant
Twin Cities Assembly Plant, St. Paul, Minnesota**

House #	Street Address
No well on Property, Connected to City Water, Responded to Survey	
2185	Ford Pkwy
16	Inner Dr
17	Inner Dr
18	Inner Dr
21	Inner Dr
22	Inner Dr
23	Inner Dr
25	Inner Dr
26	Inner Dr
27	Inner Dr
31	Inner Dr
32	Inner Dr
33	Inner Dr
34	Inner Dr
36	Inner Dr
37	Inner Dr
38	Inner Dr
39	Inner Dr
40	Inner Dr
41	Inner Dr
42	Inner Dr
43	Inner Dr
44	Inner Dr
45	Inner Dr
46	Inner Dr
47	Inner Dr
49	Inner Dr
50	Inner Dr
51	Inner Dr
52	Inner Dr
56	Inner Dr
57	Inner Dr
60	Inner Dr
61	Inner Dr
813	Cleveland Ave S
815	Cleveland Ave S
869	Cleveland Ave S
881	Cleveland Ave S
885	Cleveland Ave S
887	Cleveland Ave S
2065	Village Ln
2071	Village Ln

**Table 1. Receptor Survey Properties Located Within 500 Feet of the Ford Plant
Twin Cities Assembly Plant, St. Paul, Minnesota**

House #	Street Address
No well on Property, Connected to City Water, Responded to Survey	
2075	Village Ln
2081	Village Ln
2085	Village Ln
2087	Village Ln
2089	Village Ln
2091	Village Ln
2095	Village Ln
2097	Village Ln
2105	Village Ln
2109	Village Ln
2119	Village Ln
880	Cleveland Ave S
2049	W Montreal Ave
2052	W Montreal Ave
1045	Cleveland Ave S
1041	Colby St
1025	Colby St
1025	S Finn St
1038	S Finn St
1025	S Bowdoin St
1026	S Bowdoin St
1031	S Bowdoin St
1032	S Bowdoin St
1037	S Bowdoin St
1043	S Bowdoin St
1049	S Bowdoin St
1055	S Bowdoin St
1061	S Bowdoin St
1068	S Bowdoin St
2231	W Pinehurst Ave
2221	W Pinehurst Ave
2225	W Pinehurst Ave
2214	W Pinehurst Ave
2215	W Pinehurst Ave
2204	W Pinehurst Ave
2190	W Pinehurst Ave
2187	W Pinehurst Ave
2181	W Pinehurst Ave
2167	W Pinehurst Ave
2159	W Pinehurst Ave
2155	W Pinehurst Ave
2146	W Pinehurst Ave

**Table 1. Receptor Survey Properties Located Within 500 Feet of the Ford Plant
Twin Cities Assembly Plant, St. Paul, Minnesota**

House #	Street Address
No well on Property, Connected to City Water, Responded to Survey	
2151	W Pinehurst Ave
2142	W Pinehurst Ave
2134	W Pinehurst Ave
2131	W Pinehurst Ave
2124	W Pinehurst Ave
946	Cleveland Ave S
2046	W Montreal Ave
2048	W Montreal Ave
2050	W Montreal Ave
2054	W Montreal Ave
968	Cleveland Ave S
994	Cleveland Ave S
996	Cleveland Ave S
1002	Cleveland Ave S
5	Villard Ct
6	Villard Ct
2041	Villard Ave
2118	Ford Pkwy
2140	Ford Pkwy
2163	Ford Pkwy
2191	Ford Pkwy
745	Mt Curve Blvd
755	Mt Curve Blvd
770	Mt Curve Blvd
Well on Property, Connected to City Water, Responded to Survey	
2218	W Pinehurst Ave
Connected to City Water, Didn't Respond to Survey	
750	Mississippi River Blvd
2277	Ford Pkwy
2269	Ford Pkwy
2239	Ford Pkwy
2221	Ford Pkwy
2191	Ford Pkwy
62	Inner Dr
63	Inner Dr
64	Inner Dr
65	Inner Dr
2030	Village Ln
899	Cleveland Ave S
890	Cleveland Ave S
896	Cleveland Ave S
908	Cleveland Ave S

**Table 1. Receptor Survey Properties Located Within 500 Feet of the Ford Plant
Twin Cities Assembly Plant, St. Paul, Minnesota**

House #	Street Address
Connected to City Water, Didn't Respond to Survey	
924	Cleveland Ave S
2047	W Saunders Ave
859	St. Paul Ave
869	St. Paul Ave
877	St. Paul Ave
885	St. Paul Ave
897	St. Paul Ave
2040	W Saunders Ave
901	St. Paul Ave
919	St. Paul Ave
931	St. Paul Ave
2023	W Montreal Ave
2025	W Montreal Ave
2031	W Montreal Ave
2033	W Montreal Ave
2035	W Montreal Ave
2037	W Montreal Ave
2039	W Montreal Ave
2041	W Montreal Ave
2043	W Montreal Ave
2045	W Montreal Ave
2047	W Montreal Ave
1025	Cleveland Ave S
1031	Colby St
1019	Colby St
1020	Colby St
1019	S Finn St
1020	S Finn St
1019	S Bowdoin St
1020	S Bowdoin St
1025	S Bowdoin St
1044	S Bowdoin St
1050	S Bowdoin St
1056	S Bowdoin St
1062	S Bowdoin St
1067	S Bowdoin St
1073	S Bowdoin St
1074	S Bowdoin St
2235	W Pinehurst Ave
2236	W Pinehurst Ave
2232	W Pinehurst Ave
2226	W Pinehurst Ave
2221	W Pinehurst Ave
2212	W Pinehurst Ave

**Table 1. Receptor Survey Properties Located Within 500 Feet of the Ford Plant
Twin Cities Assembly Plant, St. Paul, Minnesota**

House #	Street Address
Connected to City Water, Didn't Respond to Survey	
2209	W Pinehurst Ave
2208	W Pinehurst Ave
2199	W Pinehurst Ave
2194	W Pinehurst Ave
2186	W Pinehurst Ave
2180	W Pinehurst Ave
2175	W Pinehurst Ave
2174	W Pinehurst Ave
2170	W Pinehurst Ave
2171	W Pinehurst Ave
2162	W Pinehurst Ave
2166	W Pinehurst Ave
2163	W Pinehurst Ave
2154	W Pinehurst Ave
2150	W Pinehurst Ave
2147	W Pinehurst Ave
2143	W Pinehurst Ave
2136	W Pinehurst Ave
2139	W Pinehurst Ave
2135	W Pinehurst Ave
2130	W Pinehurst Ave
2114	W Pinehurst Ave
2200	W Pinehurst Ave
2191	W Pinehurst Ave
2052	W Saunders Ave
2054	W Saunders Ave
2056	W Saunders Ave
2058	W Saunders Ave
930	Cleveland Ave S
932	Cleveland Ave S
934	Cleveland Ave S
936	Cleveland Ave S
938	Cleveland Ave S
940	Cleveland Ave S
942	Cleveland Ave S
948	Cleveland Ave S
950	Cleveland Ave S
952	Cleveland Ave S
954	Cleveland Ave S
956	Cleveland Ave S
958	Cleveland Ave S
2057	W Montreal Ave
2055	W Montreal Ave
2053	W Montreal Ave

**Table 1. Receptor Survey Properties Located Within 500 Feet of the Ford Plant
Twin Cities Assembly Plant, St. Paul, Minnesota**

House #	Street Address
Connected to City Water, Didn't Respond to Survey	
2051	W Montreal Ave
2020	W Montreal Ave
2026	W Montreal Ave
2028	W Montreal Ave
2032	W Montreal Ave
2034	W Montreal Ave
2036	W Montreal Ave
2038	W Montreal Ave
2040	W Montreal Ave
2042	W Montreal Ave
2044	W Montreal Ave
2052	W Montreal Ave
970	Cleveland Ave S
974	Cleveland Ave S
976	Cleveland Ave S
978	Cleveland Ave S
988	Cleveland Ave S
990	Cleveland Ave S
1000	Cleveland Ave S
2052	Yorkshire Ave
2053	Yorkshire Ave
2047	Yorkshire Ave
2048	Yorkshire Ave
2040	Yorkshire Ave
2037	Yorkshire Ave
2028	Yorkshire Ave
2031	Yorkshire Ave
2034	Yorkshire Ave
4	Villard Ct
7	Villard Ct
1036	Cleveland Ave S
1038	Cleveland Ave S
1040	Cleveland Ave S
1042	Cleveland Ave S
1034	Cleveland Ave S
Connected to City Water, Didn't Respond to Survey	
2100	Ford Pkwy
2112A	Ford Pkwy
2110	Ford Pkwy
2110	Ford Pkwy
2112	Ford Pkwy
2114	Ford Pkwy
2116	Ford Pkwy

**Table 1. Receptor Survey Properties Located Within 500 Feet of the Ford Plant
Twin Cities Assembly Plant, St. Paul, Minnesota**

House #	Street Address
Connected to City Water, Didn't Respond to Survey	
2120	Ford Pkwy
2128	Ford Pkwy
2144	Ford Pkwy
2142	Ford Pkwy
2136A	Ford Pkwy
2136B	Ford Pkwy
2134	Ford Pkwy
2132	Ford Pkwy
2130	Ford Pkwy
2155	Ford Pkwy
2145	Ford Pkwy
2111	Ford Pkwy
2221	Ford Pkwy
749	Mt Curve Blvd
751	Mt Curve Blvd
752	Mt Curve Blvd
760	Mt Curve Blvd

Notes:

All properties in survey area were confirmed to be on city water from the City of St. Paul.

**Table 2. Receptor Survey Wells with 0.5 Mile Radius from the Ford Plant
Twin Cities Assembly Plant, St. Paul, Minnesota**

Unique Well Number	Date Installed	Total Depth (ft bgs)	Casing Diameter & Length (ft bgs)	Screen Length (feet)	Geologic Material Screened Across (ft bgs)	Well Use	Direction From Plant
200435	8/1/1959	458	10 inch to 258	200	Prarie Du Chien-Jordan	Commercial	North
223849	11/21/1967	230	4 inch to 115	Open Hole 115-230	Sandstone	Domestic	Southwest
233274	1/1/1953	441	15 inch to 251	Open Hole from 190-251	Sandrock	Commercial	On Property
251257	N/A	459	8 inch to 266	Open Hole from 266-458	Sandstone	Air Conditioning	East
487652	5/6/1991	10	10 inch to 5	2	Gravel / Shale	MW	On Property
487653	5/6/1991	6	8 inch to 5	2	Silty Sand / Shale	MW	On Property
487654	5/6/1991	6	9 inch to 5	2	Gravel / Shale	MW	On Property
553802	3/1/1995	22	16 inch to 21	-	Shale	Elevator	North
553803	1/31/1900	31	14 inch to 31	-	Limestone	Elevator	North
563078	4/18/1996	14	2 inch to 14	10	Shale / Limestone	MW	East
578611	4/30/1996	36	4 inch to 25	Open Hole from 25-36	Limestone	MW	Southwest
578612	4/30/1996	32	4 inch to 23	Open Hole from 23-32	Limestone	MW	Southwest
578613	4/30/1996	31	4 inch to 22.9	Open Hole from 22.9-31	Limestone	MW	Southwest
582992	8/28/1996	108	2 inch to 88	15	St. Peter	MW	South
592310	12/17/1996	39	2 inch to 26	10	Sand / Limestone	MW	Southwest
592311	12/18/1996	38	2 inch to 22.5	10	Sand / Limestone	MW	Southwest
592312	12/19/1996	35	2 inch to 22.5	10	Sand, Gravel / Limestone	MW	Southwest
594122	3/5/1997	40	2 inch to 28.5	10	Sand / Limestone	MW	Southwest
602126	4/14/1998	40	16 inch to 40	-	Shale	Elevator	On Property
602127	11/20/1998	40	16 inch to 39	-	Sandstone	Elevator	On Property
609761	4/15/1998	20	-	-	Limestone	Elevator	On Property
625005	2/21/2000	10	2 inch to 4.6	5	Limestone	MW	West
625006	2/20/2000	38	2 inch to 17.5	20	Limestone	MW	West
625007	2/27/2000	8	2 inch to 5.5	2.5	Sand and Sandy clay	MW	West
625008	2/21/2000	37	2 inch to 15	20	Limestone	MW	West
625009	2/22/2000	8	2 inch to 5.2	2.5	Sand and Gravel / Limestone	MW	West
625010	2/22/2000	35	2 inch to 13	20	Limestone	MW	West
643465	3/16/2000	34	2 inch to 34	10	Sand	MW	Southwest
663722	8/30/2001	28	16 inch to 28	-	Sand	Elevator	East

See Notes on Page 2.

**Table 2. Receptor Survey Wells with 0.5 Mile Radius from the Ford Plant
Twin Cities Assembly Plant, St. Paul, Minnesota**

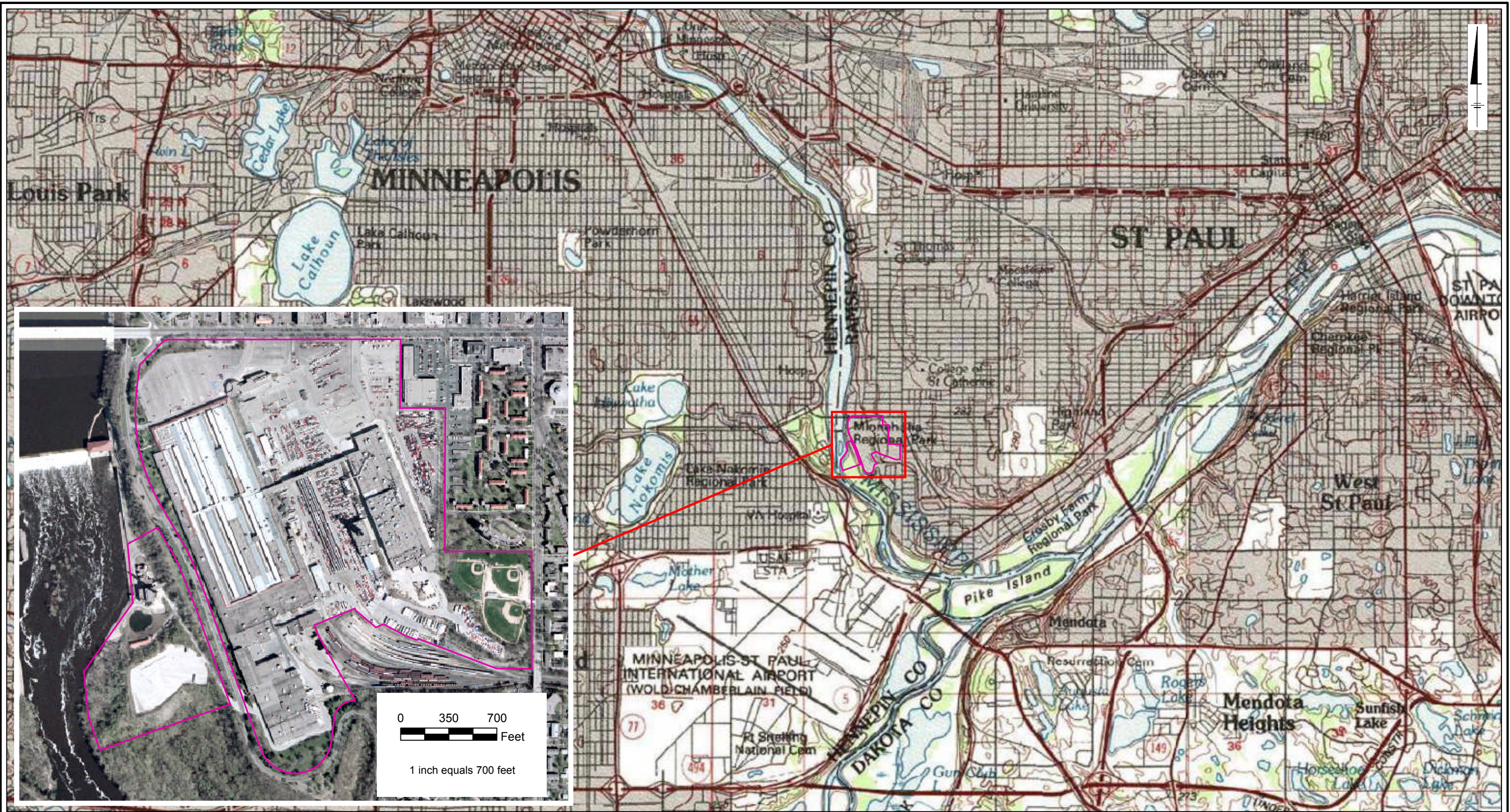
Unique Well Number	Date Installed	Total Depth (ft bgs)	Casing Diameter & Length (ft bgs)	Screen Length (feet)	Geologic Material Screened Across (ft bgs)	Well Use	Direction From Plant
673159	11/30/2001	37	20 inch to 37	-	Shale	Elevator	East
726112	7/13/2005	26	20 inch to 24	-	Sand	Elevator	East
751320	6/13/2007	185	2 inch to 180	10	Bedrock	MW	On Property
751330	7/4/2007	43	2 inch to 30	10	Limestone / Shale	MW	On Property
751331	7/4/2007	43	2 inch to 30	10	Limestone	MW	On Property
751332	11/7/2007	151	2 inch to 141	10	Sandstone	MW	East
751333	7/11/2007	40	2 inch to 30	10	Limestone	MW	On Property
751334	7/11/2007	61	2 inch to 50	10	Limestone / Shale	MW	On Property
751335	7/11/2007	95	2 inch to 79	10	Limestone	MW	South
751336	7/11/2007	48	2 inch to 35	10	Limestone / Shale	MW	South
751337	7/11/2007	42	2 inch to 29	10	Limestone	MW	On Property
751338	7/11/2007	45	2 inch to 35	10	Fill / Sandstone	MW	South
751339	7/11/2007	29	2 inch to 19	10	Fill / Shale / Sandstone	MW	On Property
756581	7/19/2007	55	2 inch to 44	10	Sandstone	MW	On Property
756582	7/20/2007	40	2 inch to 30	10	Limestone	MW	On Property

Notes:

- ft bgs Feet below ground surface.
- MW Monitoring well.
- N/A Data not available.
- Not applicable.

A well was noted from a receptor survey response at 2218 Pinehurst Ave, but no Minnesota Department of Health record could be found.

Figures



CITY: Minneapolis, MN DB: M:Gress PM: BZ:inda
 Project: MND0693
 GIS: Project Ranger\ArcMap\Fig1_Site_Location_Topo.mxd

LEGEND:

Ford Property Boundary

NOTES:

Imagery Source: United States Geological Survey
 High Resolution Orthoimagery for the Minneapolis-St. Paul,
 Minnesota Urban Area

 Topographic Map Source:
 © 2007 National Geographic Society



1 inch equals 1 miles



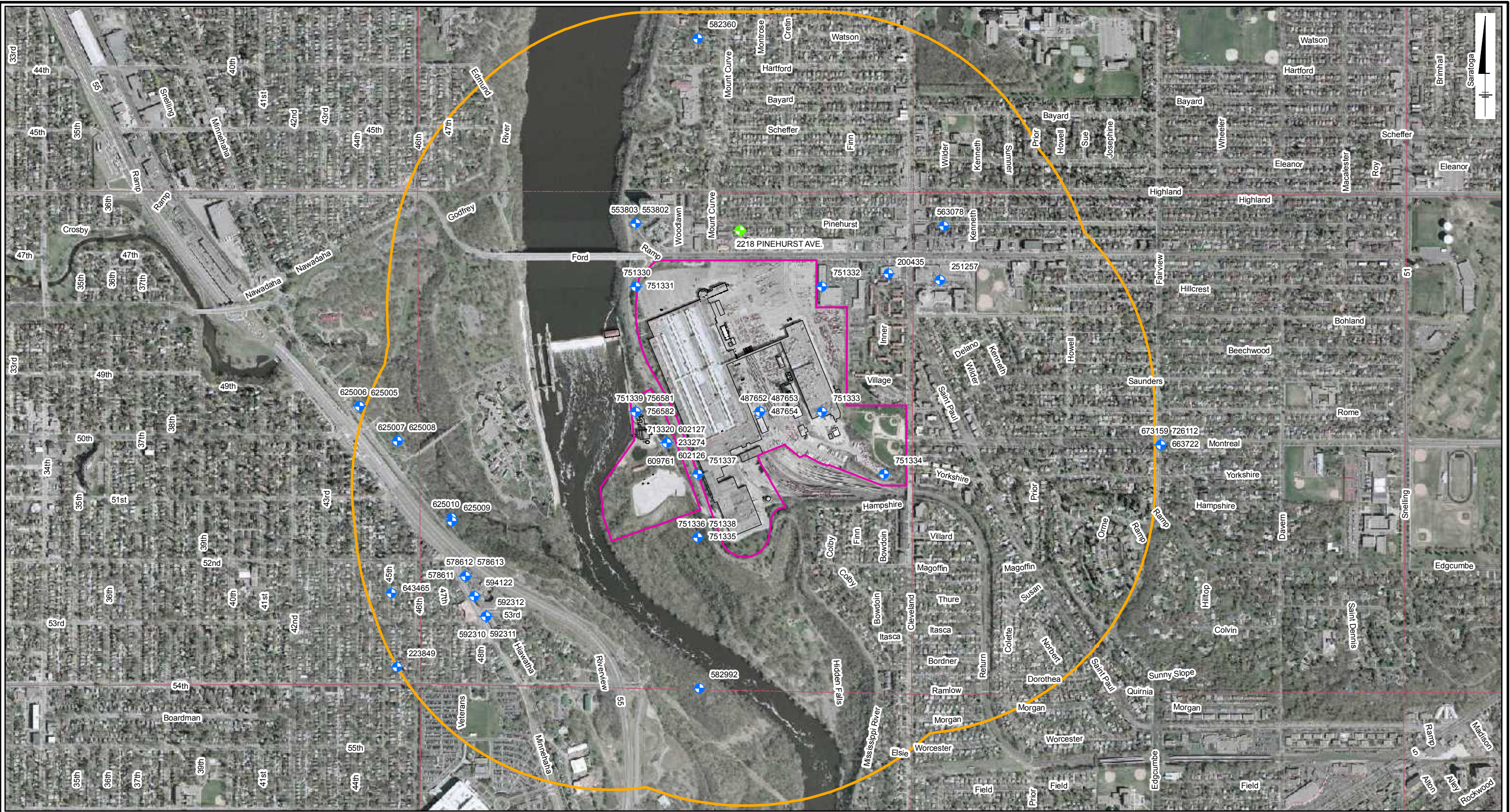
Twin Cities Assembly Plant
 Ford Motor Company
 St. Paul, Minnesota

Site Location / Property Layout



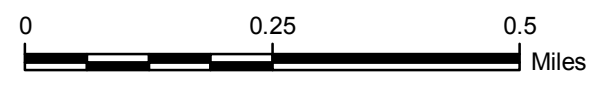
FIGURE
1


CITY: Minneapolis, MN DB: M/Gress PM: BZ/inda
 Project MNO00593
 G:\GIS\Projects\Ford Ranger\ArchMap\2011\2011-06\MPCA_Well_Locs_20110630.mxd



- LEGEND:**
- ◆ 2218 PINEHURST AVE. WELL - NO MDH RECORD
 - ◆ ACTIVE WELL
 - HALF MILE PROPERTY BUFFER
 - PLS SECTION LINE
 - FORD PROPERTY BOUNDARY
 - MDH - MINNESOTA DEPARTMENT OF HEALTH

NOTES:
 IMAGE SOURCE: UNITED STATES GEOLOGICAL SURVEY
 HIGH RESOLUTION ORTHOIMAGERY





TWIN CITIES ASSEMBLY PLANT
 FORD MOTOR COMPANY
 ST. PAUL, MINNESOTA

**RECEPTOR SURVEY WELLS
 WITHIN 0.5 MILE RADIUS**


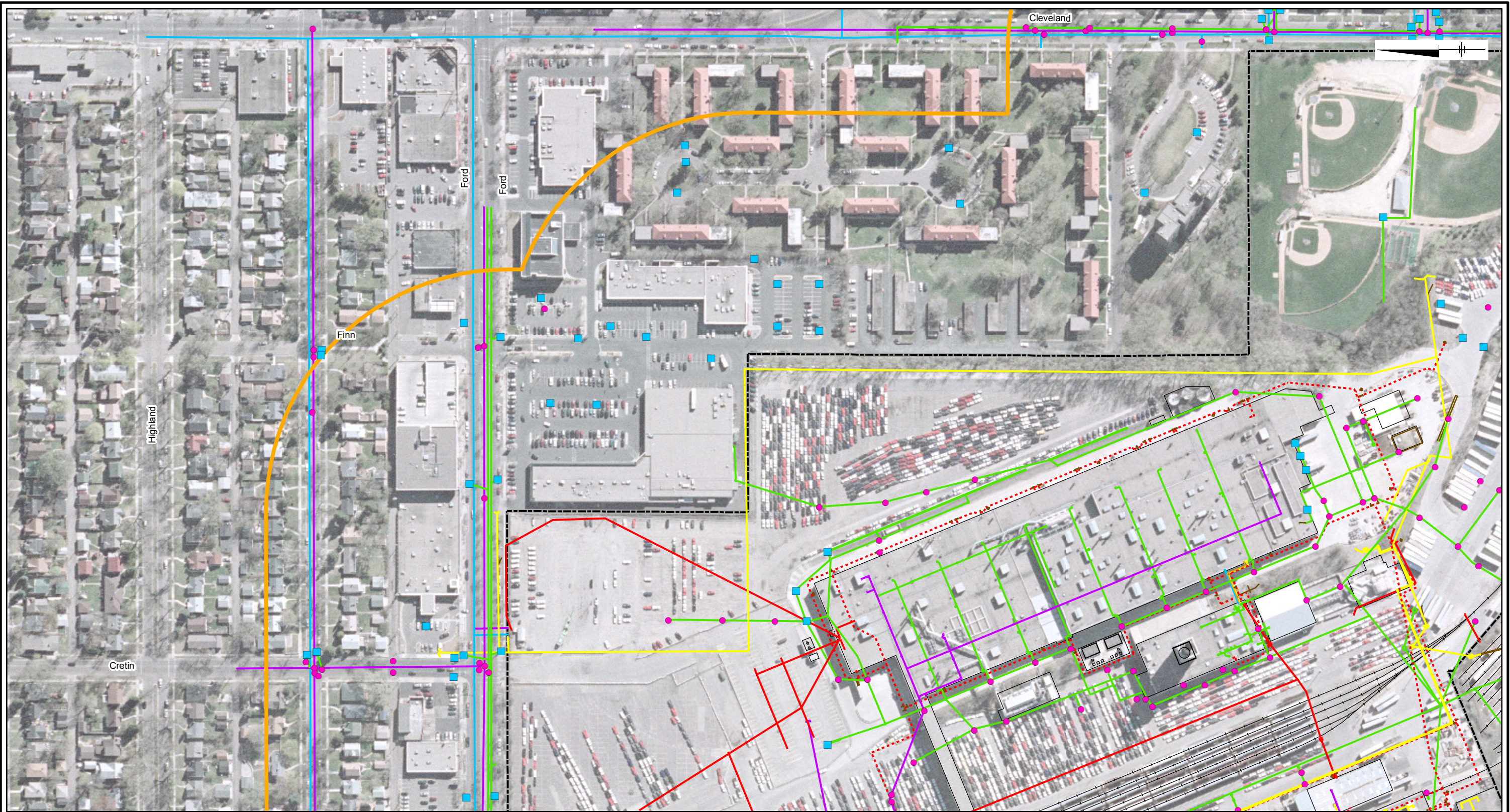


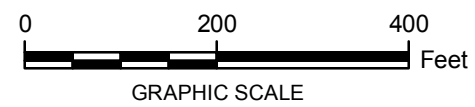
FIGURE
2

CITY: MPLS. DIV/GROUP: IM DB: MG LD: TNK PM: BZ
 FORD ST. PAUL
 GIS/Project/Ford Ranger/ArMap/2010/2010-09/NE_Utility_Locs_20100902.mxd - 10/27/2010 @ 11:21:00 AM



LEGEND:

- | | | | |
|------------------------|---------------|------------------|-------------------------------|
| CATCHBASIN* | OTHER UTILITY | UTILITY GAS | APPROXIMATE PROPERTY BOUNDARY |
| MANHOLE | FIRE LINE | UTILITY SANITARY | RAIL |
| 500 FT PROPERTY BUFFER | UTILITY ELEC | UTILITY STORM | BUILDINGS |
| | UTILITY AIR | UTILITY WATER | |



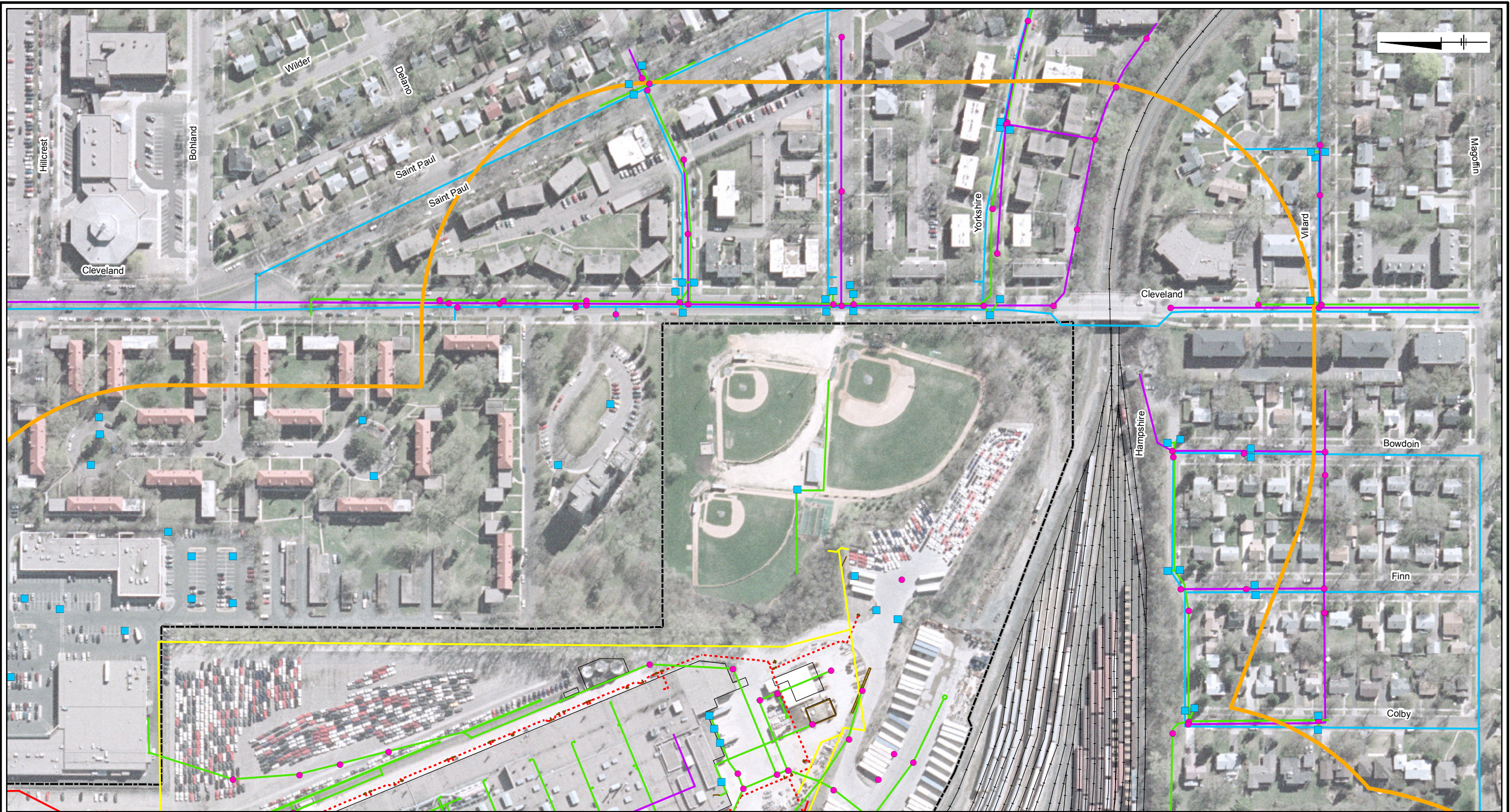
NOTES:
 IMAGE SOURCE: UNITED STATES GEOLOGICAL SURVEY HIGH RESOLUTION ORTHOIMAGERY
 UTILITY SOURCE: ONSITE LOCATIONS PROVIDED BY FORD, OFFSITE LOCATIONS DERIVED FROM CITY OF SAINT PAUL PUBLIC WORKS MAPS
 UTILITY LOCATIONS DEPICTED ARE APPROXIMATE
 *CONNECTION UNKNOWN FOR CATCHBASIN DRAINS ON PRIVATE PROPERTY

TWIN CITIES ASSEMBLY PLANT
 FORD MOTOR COMPANY
 ST. PAUL, MINNESOTA















**RECEPTOR SURVEY UTILITIES
 WITHIN 500 FEET - NORTHEAST**

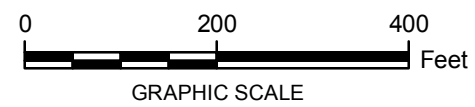


CITY: MPLS DIV: GROUP: IM DB: MG LD: TNK PM: BZ
 FORD ST. PAUL
 G:\GIS\Projects\Ford Ranger\ArcMap\2010\2010-09\SE_Utility_Locs_20100902.mxd - 10/27/2010 @ 11:22:23 AM



LEGEND:

- | | | | | | | | |
|---|------------------------|---|---------------|---|------------------|---|-------------------------------|
|  | CATCHBASIN* |  | OTHER UTILITY |  | UTILITY GAS |  | APPROXIMATE PROPERTY BOUNDARY |
|  | MANHOLE |  | FIRE LINE |  | UTILITY SANITARY |  | RAIL |
|  | 500 FT PROPERTY BUFFER |  | UTILITY ELEC |  | UTILITY STORM |  | BUILDINGS |
| | |  | UTILITY AIR |  | UTILITY WATER | | |



NOTES:

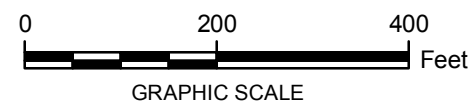
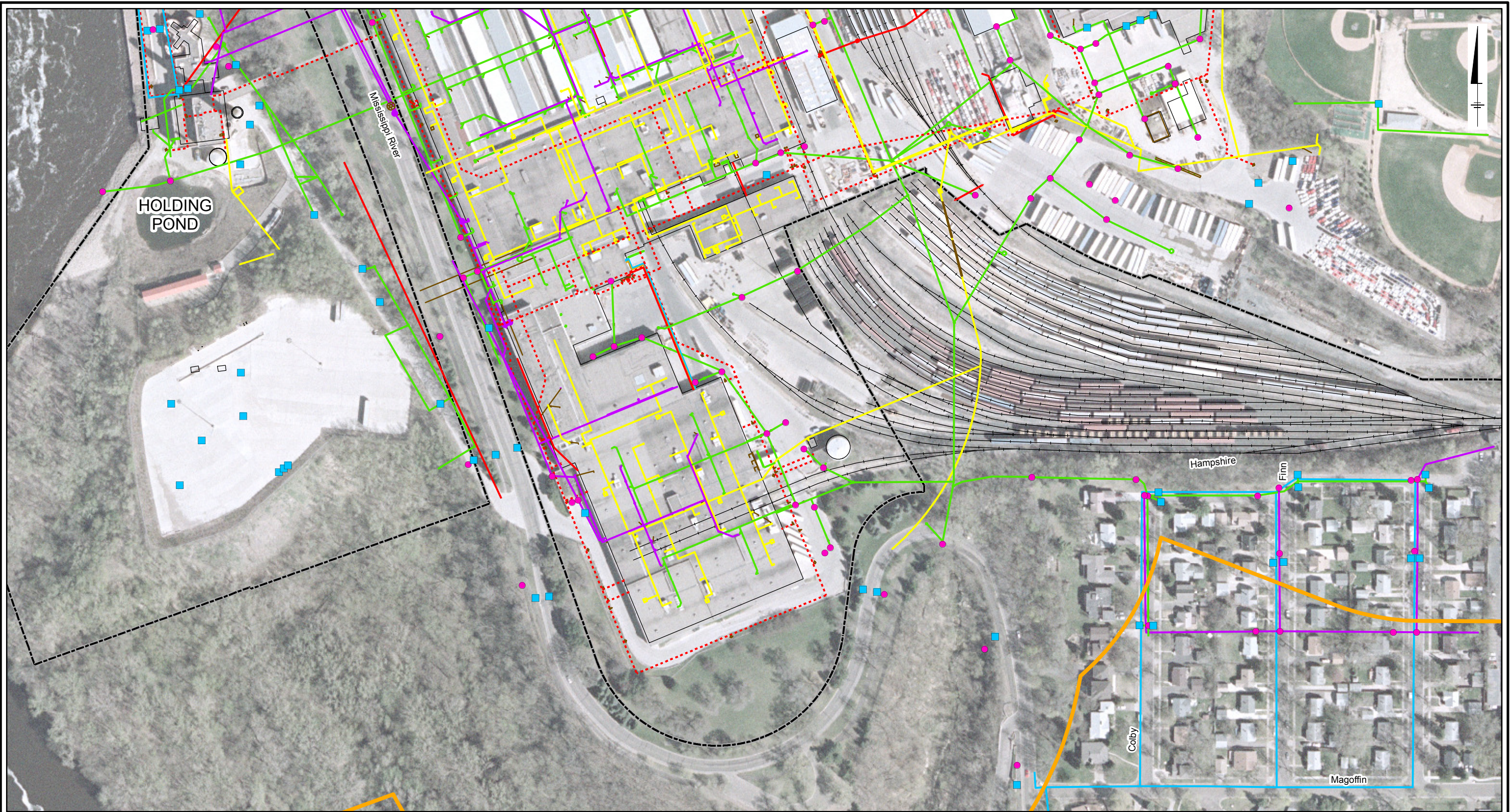
IMAGE SOURCE: UNITED STATES GEOLOGICAL SURVEY HIGH RESOLUTION ORTHOIMAGERY
 UTILITY SOURCE: ONSITE LOCATIONS PROVIDED BY FORD, OFFSITE LOCATIONS DERIVED FROM CITY OF SAINT PAUL PUBLIC WORKS MAPS
 UTILITY LOCATIONS DEPICTED ARE APPROXIMATE
 *CONNECTION UNKNOWN FOR CATCHBASIN DRAINS ON PRIVATE PROPERTY

TWIN CITIES ASSEMBLY PLANT
 FORD MOTOR COMPANY
 ST. PAUL, MINNESOTA

**RECEPTOR SURVEY UTILITIES
 WITHIN 500 FEET - SOUTHEAST**



CITY: MPLS DIV: GROUP: IM DB: MG LD: TNK PM: BZ
 FORD ST. PAUL
 G:\GIS\Projects\Ford Ranger\ArcMap\2010\2010_09\IS_UTILITY Locs_20100902.mxd - 10/27/2010 @ 11:23:21 AM



LEGEND:

- | | | | |
|------------------------|---------------|------------------|-------------------------------|
| CATCHBASIN* | OTHER UTILITY | UTILITY GAS | APPROXIMATE PROPERTY BOUNDARY |
| MANHOLE | FIRE LINE | UTILITY SANITARY | RAIL |
| 500 FT PROPERTY BUFFER | UTILITY ELEC | UTILITY STORM | BUILDINGS |
| | UTILITY AIR | UTILITY WATER | |

NOTES:
 IMAGE SOURCE: UNITED STATES GEOLOGICAL SURVEY HIGH RESOLUTION ORTHOIMAGERY
 UTILITY SOURCE: ONSITE LOCATIONS PROVIDED BY FORD, OFFSITE LOCATIONS DERIVED FROM CITY OF SAINT PAUL PUBLIC WORKS MAPS
 UTILITY LOCATIONS DEPICTED ARE APPROXIMATE
 *CONNECTION UNKNOWN FOR CATCHBASIN DRAINS ON PRIVATE PROPERTY

TWIN CITIES ASSEMBLY PLANT
 FORD MOTOR COMPANY
 ST. PAUL, MINNESOTA








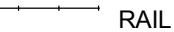






**RECEPTOR SURVEY UTILITIES
 WITHIN 500 FEET - SOUTH**

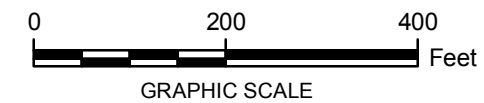
FIGURE 5

CITY: MPLS. DIV: GROUP: IM DB: MG LD: TNK PM: BZ
 FORD ST. PAUL
 G:\GIS\Projects\Ford Ranger\ArcMap\2010\2010-09-Central Utility_Locs 20100902.mxd - 10/27/2010 @ 11:24:03 AM



LEGEND:

- | | | | |
|--|---|---|---|
|  CATCHBASIN* |  OTHER UTILITY |  UTILITY GAS |  APPROXIMATE PROPERTY BOUNDARY |
|  MANHOLE |  FIRE LINE |  UTILITY SANITARY |  RAIL |
|  500 FT PROPERTY BUFFER |  UTILITY ELEC |  UTILITY STORM |  BUILDINGS |
| |  UTILITY AIR |  UTILITY WATER | |



NOTES:

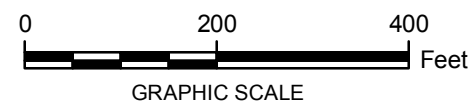
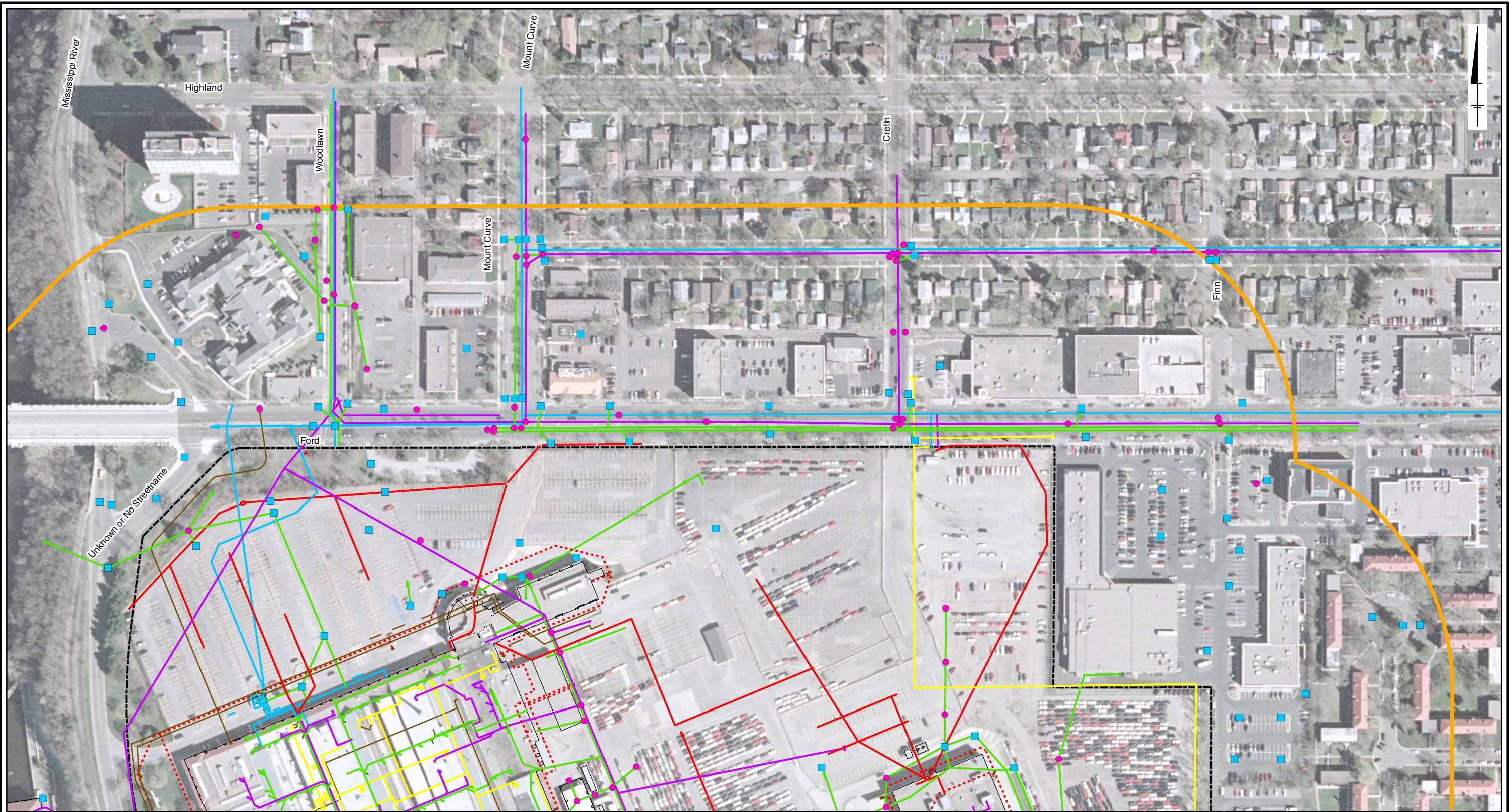
IMAGE SOURCE: UNITED STATES GEOLOGICAL SURVEY HIGH RESOLUTION ORTHOIMAGERY
 UTILITY SOURCE: ONSITE LOCATIONS PROVIDED BY FORD, OFFSITE LOCATIONS DERIVED FROM CITY OF SAINT PAUL PUBLIC WORKS MAPS
 UTILITY LOCATIONS DEPICTED ARE APPROXIMATE
 *CONNECTION UNKNOWN FOR CATCHBASIN DRAINS ON PRIVATE PROPERTY

TWIN CITIES ASSEMBLY PLANT
 FORD MOTOR COMPANY
 ST. PAUL, MINNESOTA

**RECEPTOR SURVEY UTILITIES
 WITHIN 500 FEET - CENTRAL PLANT**



CITY: MPLS. DIV: GROUP: IM DB: MG LD: TNK PM: BZ
 FORD ST. PAUL
 GIS: IP: Project: Ford Ranger(ArcMap)20102010:09:North_Utility_Locs_20100902.mxd - 10/27/2010 @ 11:24:50 AM



- LEGEND:**
- CATCHBASIN*
 - OTHER UTILITY
 - UTILITY GAS
 - APPROXIMATE PROPERTY BOUNDARY
 - MANHOLE
 - FIRE LINE
 - UTILITY SANITARY
 - RAIL
 - 500 FT PROPERTY BUFFER
 - UTILITY ELEC
 - UTILITY STORM
 - BUILDINGS
 - UTILITY AIR
 - UTILITY WATER

NOTES:
 IMAGE SOURCE: UNITED STATES GEOLOGICAL SURVEY HIGH RESOLUTION ORTHOIMAGERY
 UTILITY SOURCE: ONSITE LOCATIONS PROVIDED BY FORD, OFFSITE LOCATIONS DERIVED FROM CITY OF SAINT PAUL PUBLIC WORKS MAPS
 UTILITY LOCATIONS DEPICTED ARE APPROXIMATE
 *CONNECTION UNKNOWN FOR CATCHBASIN DRAINS ON PRIVATE PROPERTY

TWIN CITIES ASSEMBLY PLANT
 FORD MOTOR COMPANY
 ST. PAUL, MINNESOTA

**RECEPTOR SURVEY UTILITIES
 WITHIN 500 FEET - FORD PARKWAY**

FIGURE
7



Appendix A

Well & Boring Records

Minnesota Unique Well No.

200435

County Ramsey
 Quad St Paul West
 Quad ID 103B

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
 Minnesota Statutes Chapter 103I

Entry Date 08/14/1991
 Update Date 10/16/2008
 Received Date

<p>Well Name POWERS-HIGHLAND PARK STO Township Range Dir Section Subsections Elevation 28 23 W 17 AADABC 857 ft. Elevation Method 7.5 minute topographic map (+/- 5 feet)</p>	<p>Well Depth 458 ft. Depth Completed 458 ft. Date Well Completed 08/00/1959 Drilling Method --</p>																																																															
<p>Well Address CLEVELAND/FORD PK ST PAUL MN</p>	<p>Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No From Ft. to Ft.</p>																																																															
<p>Geological Material</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;"></th> <th style="width:10%;">Color</th> <th style="width:10%;">Hardness</th> <th style="width:10%;">From</th> <th style="width:10%;">To</th> </tr> </thead> <tbody> <tr> <td>CLAY</td> <td></td> <td></td> <td>0</td> <td>3</td> </tr> <tr> <td>SOAPSTONE</td> <td></td> <td></td> <td>3</td> <td>50</td> </tr> <tr> <td>PLATTEVILLE LIMEROCK</td> <td></td> <td></td> <td>50</td> <td>91</td> </tr> <tr> <td>ST. PETER SANDROCK</td> <td></td> <td></td> <td>91</td> <td>242</td> </tr> <tr> <td>SHAKOPEE</td> <td></td> <td></td> <td>242</td> <td>371</td> </tr> <tr> <td>JORDAN</td> <td></td> <td></td> <td>371</td> <td>454</td> </tr> <tr> <td>ST. LAWRENCE SHALE</td> <td></td> <td></td> <td>454</td> <td>458</td> </tr> </tbody> </table>		Color	Hardness	From	To	CLAY			0	3	SOAPSTONE			3	50	PLATTEVILLE LIMEROCK			50	91	ST. PETER SANDROCK			91	242	SHAKOPEE			242	371	JORDAN			371	454	ST. LAWRENCE SHALE			454	458	<p>Use Commercial</p> <p>Casing Type Joint No Information Drive Shoe? <input type="checkbox"/> Yes <input type="checkbox"/> No No Above/Below ft.</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Casing Diameter</th> <th style="width:30%;">Weight</th> <th style="width:40%;">Hole Diameter</th> </tr> </thead> <tbody> <tr> <td>16 in. to 6 ft.</td> <td>lbs./ft.</td> <td></td> </tr> <tr> <td>10 in. to 258 ft.</td> <td>lbs./ft.</td> <td></td> </tr> </tbody> </table> <p>Open Hole from ft. to ft.</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;">Screen</th> <th style="width:15%;">Make</th> <th style="width:15%;">Type</th> <th style="width:15%;">Diameter</th> <th style="width:15%;">Slot/Gauze</th> <th style="width:15%;">Length</th> <th style="width:15%;">Set Between</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Casing Diameter	Weight	Hole Diameter	16 in. to 6 ft.	lbs./ft.		10 in. to 258 ft.	lbs./ft.		Screen	Make	Type	Diameter	Slot/Gauze	Length	Set Between							
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<p>REMARKS CASING: 016 TO 0006;010 TO 0258.</p> <p>Located by: Minnesota Geological Survey Method: Digitized - scale 1:24,000 or larger (Digitizing Table)</p> <p>Unique Number Verification: N/A Input Date: 01/01/1990</p> <p>System: UTM - Nad83, Zone15, Meters X: 485139 Y: 4973791</p>	<p>Static Water Level 126.9 ft. from Land surface Date Measured 04/24/1991</p> <p>PUMPING LEVEL (below land surface) 148 ft. after hrs. pumping 500 g.p.m.</p> <p>Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)</p>																																																															
<p>Grouting Information Well Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>Nearest Known Source of Contamination ___feet ___direction ___type Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>																																																															
<p>First Bedrock Decorah Last Strat St.Lawrence</p>	<p>Pump <input checked="" type="checkbox"/> Not Installed Date Installed Manufacturer's name FAIRBANKS-MORSE Model number AZB 1336 ___ HP 40 Volts Length of drop Pipe ft. Capacity 350 g.p.m Type Turbine Material</p>																																																															
<p>Aquifer Prairie Du Chien-Jordan Depth to Bedrock 3 ft.</p>	<p>Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Well Contractor Certification Keys Well Co. 62012 License Business Name Lic. Or Reg. No. Name of Driller</p>																																																															
<p>County Well Index Online Report</p>	<p>200435</p>																																																															
<p>Printed 5/27/2010 HE-01205-07</p>																																																																

Minnesota Unique Well No.

223849

County Hennepin
 Quad St Paul West
 Quad ID 103B

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
 Minnesota Statutes Chapter 103I

Entry Date 08/24/1991
 Update Date 06/28/2000
 Received Date

Well Name DONALD NITZ Township Range Dir Section Subsections Elevation 830 ft. 28 23 W 18 DDDDBC Elevation Method 7.5 minute topographic map (+/- 5 feet)		Well Depth 230 ft.	Depth Completed 230 ft.	Date Well Completed 11/21/1967
Well Address 5337 45TH AV S MINNEAPOLIS MN		Drilling Method --		
Geological Material CLAY CLAY LIME & SHALE SANDROCK		Color YELLOW BLUE	Hardness	From To 0 63 63 112 112 130 130 230
		Drilling Fluid --	Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No From Ft. to Ft.	
		Use Domestic		
		Casing Type Joint No Information	Drive Shoe? <input type="checkbox"/> Yes <input type="checkbox"/> No	Above/Below 0 ft.
		Casing Diameter 4 in. to 115 ft.	Weight lbs./ft.	Hole Diameter
		Open Hole from 115 ft. to 230 ft.		
		Screen NO	Make	Type
		Diameter	Slot/Gauze	Length
		Set Between		
		Static Water Level 115 ft. from Land surface Date Measured 11/21/1967		
		PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.		
		Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
NO REMARKS		Grouting Information Well Grouted? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Located by: Minnesota Geological Survey Method: Digitized - scale 1:24,000 or larger (Digitizing Table)		Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Unique Number Verification: Address verification Input Date: 01/01/1990		Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number ___ HP _ Volts Length of drop Pipe _ft. Capacity _g.p.m Type Material		
System: UTM - Nad83, Zone15, Meters X: 483548 Y: 4972519		Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No		
		Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
First Bedrock St.Peter Aquifer St.Peter Last Strat St.Peter Depth to Bedrock 130 ft.		Well Contractor Certification Dependable Well Co. 27143 License Business Name Lic. Or Reg. No. Name of Driller		
County Well Index Online Report		223849		Printed 8/9/2010 HE-01205-07

Minnesota Unique Well No.

233274

County Ramsey
 Quad St Paul West
 Quad ID 103B

MINNESOTA DEPARTMENT OF HEALTH
**WELL AND BORING
 RECORD**

Entry Date 08/14/1991
 Update Date 06/03/2004
 Received Date

Minnesota Statutes Chapter 103I

<p>Well Name CUT PRICE STORE Township Range Dir Section Subsections Elevation ft. 28 23 W 17 Elevation Method</p> <p>Well Address ST PAUL MN</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Geological Material</th> <th>Color</th> <th>Hardness</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr><td>PIT</td><td></td><td></td><td>0</td><td>15</td></tr> <tr><td>SOAPSTONE</td><td></td><td></td><td>15</td><td>61</td></tr> <tr><td>LIMEROCK</td><td></td><td></td><td>61</td><td>96</td></tr> <tr><td>SOAPSTONE</td><td></td><td></td><td>96</td><td>101</td></tr> <tr><td>SANDROCK</td><td></td><td></td><td>101</td><td>190</td></tr> <tr><td>SANDROCK & SHALE</td><td></td><td></td><td>190</td><td>256</td></tr> <tr><td>SHAKOPEE</td><td></td><td></td><td>256</td><td>380</td></tr> <tr><td>SANDROCK</td><td></td><td></td><td>380</td><td>441</td></tr> </tbody> </table>	Geological Material	Color	Hardness	From	To	PIT			0	15	SOAPSTONE			15	61	LIMEROCK			61	96	SOAPSTONE			96	101	SANDROCK			101	190	SANDROCK & SHALE			190	256	SHAKOPEE			256	380	SANDROCK			380	441	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Well Depth 441 ft.</td> <td>Depth Completed 441 ft.</td> <td>Date Well Completed 195301</td> </tr> <tr> <td colspan="3">Drilling Method --</td> </tr> <tr> <td>Drilling Fluid --</td> <td colspan="2">Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No From Ft. to Ft.</td> </tr> <tr> <td colspan="3">Use</td> </tr> <tr> <td>Casing Type No Above/Below ft.</td> <td>Joint</td> <td>No Information Drive Shoe? <input type="checkbox"/> Yes <input type="checkbox"/></td> </tr> <tr> <td>Casing Diameter 16 in. to 20 ft.</td> <td>Weight lbs./ft.</td> <td>Hole Diameter 12 in. to 170 ft.</td> </tr> <tr> <td>15 in. to 251 ft.</td> <td>lbs./ft.</td> <td></td> </tr> <tr> <td colspan="3">Open Hole from ft. to ft.</td> </tr> <tr> <td colspan="3">Screen Make Type</td> </tr> <tr> <td>Diameter</td> <td>Slot/Gauze</td> <td>Length Set Between</td> </tr> <tr> <td colspan="3">Static Water Level 110 ft. from Land surface Date Measured 195301</td> </tr> <tr> <td colspan="3">PUMPING LEVEL (below land surface) 117 ft. after 2 hrs. pumping 638 g.p.m.</td> </tr> <tr> <td colspan="3">Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)</td> </tr> <tr> <td colspan="3">REMARKS DEPTH OF HOLE FROM TOP OF PIPE IS 426' 2".</td> </tr> <tr> <td colspan="3">Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td colspan="3">Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td colspan="3">Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name JOHNSTON Model number 936840 HP 30 Volts 220 Length of drop Pipe ft. Capacity 500 g.p.m Type Turbine Material</td> </tr> <tr> <td colspan="3">Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td colspan="3">Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td colspan="3">Well Contractor Certification</td> </tr> <tr> <td>First Bedrock</td> <td>Aquifer</td> <td>Name of Driller</td> </tr> <tr> <td>Last Strat</td> <td>Depth to Bedrock ft.</td> <td>License Business Name</td> </tr> <tr> <td colspan="2">County Well Index Online Report</td> <td>Lic. Or Reg. No.</td> </tr> <tr> <td colspan="2">233274</td> <td>Printed 5/27/2010</td> </tr> <tr> <td colspan="2"></td> <td>HE-01205-07</td> </tr> </table>	Well Depth 441 ft.	Depth Completed 441 ft.	Date Well Completed 195301	Drilling Method --			Drilling Fluid --	Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No From Ft. to Ft.		Use			Casing Type No Above/Below ft.	Joint	No Information Drive Shoe? <input type="checkbox"/> Yes <input type="checkbox"/>	Casing Diameter 16 in. to 20 ft.	Weight lbs./ft.	Hole Diameter 12 in. to 170 ft.	15 in. to 251 ft.	lbs./ft.		Open Hole from ft. to ft.			Screen Make Type			Diameter	Slot/Gauze	Length Set Between	Static Water Level 110 ft. from Land surface Date Measured 195301			PUMPING LEVEL (below land surface) 117 ft. after 2 hrs. pumping 638 g.p.m.			Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)			REMARKS DEPTH OF HOLE FROM TOP OF PIPE IS 426' 2".			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Minnesota Unique Well No.

487652

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date 12/27/2002
 Update Date 03/11/2005
 Received Date

Minnesota Statutes Chapter 103I

Well Name Township Range Dir Section Subsections Elevation ft. 28 23 W 17 ACD Elevation Method		Well Depth 10 ft.	Depth Completed 5 ft.	Date Well Completed 05/06/1991
Well Address 966 MISSISSIPPI RIVER BL S ST PAUL MN 55116		Drilling Method Hollow Stem Auger		
Geological Material CONCRETE CL-LEAN CLAY FIRM SP-POORLY GRADED SAND LOOSE GC-GRAVEL MEDIUM DENSE SHALE		Color BROWN GREEN LT. GRN	Hardness 0 1 1 2 1 1 2 4 4 10	From To 0 1 1 2 1 1 2 4 4 10
Drilling Fluid --		Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No From Ft. to Ft.		
Use Monitor well		Casing Type Stainless Steel Joint Unknown Drive Shoe? <input type="checkbox"/> Yes <input type="checkbox"/> No No Above/Below 3 ft.		
Casing Diameter 2 in. to 3 ft.		Weight lbs./ft.	Hole Diameter 10 in. to 5 ft.	
Open Hole from ft. to ft.				
Screen YES Make JOHNSON Type stainless steel				
Diameter 2		Slot/Gauze 10	Length 2	Set Between 3 ft. and 5 ft.
Static Water Level 2 ft. from Land surface Date Measured 05/06/1991				
PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.				
Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)				
NO REMARKS		Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from 0 to 2 ft. Grout Material: Bentonite from 2 to 2.5 ft.		
		Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No		
		Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number __ HP _ Volts Length of drop Pipe ft. Capacity _g.p.m Type Material		
		Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No		
First Bedrock Last Strat		Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
Aquifer Depth to Bedrock ft.		Well Contractor Certification Braun Eng Testing M0059 License Business Name Lic. Or Reg. No. Name of Driller		
County Well Index Online Report		487652		Printed 5/27/2010 HE-01205-07

Minnesota Unique Well No.

487653

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH
**WELL AND BORING
 RECORD**
 Minnesota Statutes Chapter 103I

Entry Date 12/27/2002
 Update Date 03/31/2008
 Received Date

Well Name MW-5, FORD MOTOR CO. Township Range Dir Section Subsections Elevation ft. 28 23 W 17 ACD Elevation Method	Well Depth 6 ft. Depth Completed 5 ft. Date Well Completed 05/06/1991 Drilling Method Hollow Stem Auger																				
Well Address 966 MISSISSIPPI RIVER BL S ST PAUL MN 55116	Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No From Ft. to Ft.																				
Geological Material CONCRETE BITUMINOUS AGGREGATE SM-SILTY SAND MED-DENSE SHALE	Use Monitor well Casing Type Steel (black or low carbon) Joint Unknown Drive Shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Above/Below 3 ft.																				
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Color</th> <th>Hardness</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td>0</td> <td>1</td> </tr> <tr> <td></td> <td></td> <td>1</td> <td>2</td> </tr> <tr> <td>BROWN</td> <td></td> <td>2</td> <td>4</td> </tr> <tr> <td>LT. BRN</td> <td></td> <td>4</td> <td>6</td> </tr> </tbody> </table>	Color	Hardness	From	To			0	1			1	2	BROWN		2	4	LT. BRN		4	6	Casing Diameter 2 in. to 2.5 ft. Weight lbs./ft. Hole Diameter 8 in. to 5 ft.
Color	Hardness	From	To																		
		0	1																		
		1	2																		
BROWN		2	4																		
LT. BRN		4	6																		
	Open Hole from ft. to ft. Screen YES Make JOHNSON Type stainless steel Diameter 2 Slot/Gauze 10 Length 2 Set Between 2.5 ft. and 4.5 ft.																				
	Static Water Level ft. from Date Measured PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.																				
	Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)																				
REMARKS MW-5 MONITORING WELL CONVERTED FROM ABOVE GRADE TO AT GRADE COMPLETION BY BRAUN INTERTEC CORP. 11/23/93 #M0109	Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from 0 to 1.5 ft. Grout Material: Bentonite from 1.5 to 2 ft.																				
	Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No																				
	Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number HP Volts Length of drop Pipe ft. Capacity g.p.m. Type Material																				
	Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No																				
	Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No																				
First Bedrock Last Strat	Well Contractor Certification Braun Eng Testing M0059 License Business Name Lic. Or Reg. No. Name of Driller																				
County Well Index Online Report	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">487653</td> <td style="width:50%; text-align: right;">Printed 5/27/2010 HE-01205-07</td> </tr> </table>	487653	Printed 5/27/2010 HE-01205-07																		
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Minnesota Unique Well No.

487654

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH
**WELL AND BORING
 RECORD**

Entry Date 12/27/2002
 Update Date 03/31/2008
 Received Date

Minnesota Statutes Chapter 1031

Well Name MW-6, FORD MOTOR CO. Township Range Dir Section Subsections Elevation ft. 28 23 W 17 ACD Elevation Method		Well Depth 6 ft.	Depth Completed 5 ft.	Date Well Completed 05/06/1991
Well Address 966 MISSISSIPPI RIVER BL S ST PAUL MN 55116		Drilling Method Hollow Stem Auger		
Geological Material CONCRETE GM-GRAVEL MEDIUM DENSE GC-GRAVEL SHALE		Drilling Fluid --	Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No From Ft. to Ft.	
Color Hardness From To 0 1 1 1 1 4 4 6		Use Monitor well		
		Casing Type Steel (black or low carbon) Joint Unknown Drive Shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Above/Below 2.5 ft.		
		Casing Diameter 2 in. to 3 ft.	Weight lbs./ft.	Hole Diameter 9 in. to 5 ft.
		Open Hole from ft. to ft.		
		Screen YES Make JOHNSON Type stainless steel		
		Diameter 2	Slot/Gauze 10	Length 2
		Set Between 3 ft. and 5 ft.		
		Static Water Level ft. from Date Measured		
		PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.		
		Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
REMARKS MW-6 MONITORING WELL CONVERTED FROM ABOVE GRADE TO AT GRADE COMPLETION BY BRAUN INTERTEC CORP. 11/23/93 #M0109		Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from 0 to 1.5 ft. Grout Material: Bentonite from 1.5 to 2.5 ft.		
		Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No		
		Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number __ HP __ Volts Length of drop Pipe ft. Capacity g.p.m. Type Material		
		Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No		
		Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No		
First Bedrock Last Strat		Well Contractor Certification Braun Eng Testing M0059 License Business Name Lic. Or Reg. No. Name of Driller		
Aquifer Depth to Bedrock ft.				
County Well Index Online Report		487654		Printed 5/27/2010 HE-01205-07

Minnesota Unique Well No.

553802

County Ramsey
 Quad St Paul West
 Quad ID 103B

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date 06/18/1996
 Update Date 05/09/2007
 Received Date

Minnesota Statutes Chapter 103I

Well Name SCHUSTER, TONY Township Range Dir Section Subsections Elevation ft. 28 23 W 17 BAA Elevation Method		Well Depth 22 ft. Depth Completed 21 ft. Date Well Completed 03/01/1995
Well Address 750 MISSISSIPPI RIVER BL SAINT PAUL MN		Drilling Method Cable Tool Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No From Ft. to Ft.
Geological Material Color Hardness From To LIMESTONE GRAY HARD 0 22 CLAY GRAY MEDIUM 0 6 SHALE GRAY HARD 6 9		Use Elevator Casing Type Steel (black or low carbon) Joint Welded Drive Shoe? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Above/Below ft.
		Casing Diameter Weight Hole Diameter 20 in. to 10 ft. 52.73 lbs./ft. 20 in. to 22 ft. 16 in. to 21 ft. 62.58 lbs./ft.
		Open Hole from ft. to ft. Screen Make Type Diameter Slot/Gauze Length Set Between
		Static Water Level ft. from Date Measured
		PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.
		Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)
REMARKS PIT IS 4' BELOW GRADE.		Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from 0 to 22 ft. 16 bags
		Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No
		Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number __ HP __ Volts Length of drop Pipe ft. Capacity g.p.m. Type Material
		Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No
		Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No
First Bedrock Aquifer Last Strat Depth to Bedrock ft.		Well Contractor Certification Midwest Drilling L0002 STANGRET, J. License Business Name Lic. Or Reg. No. Name of Driller
County Well Index Online Report		553802 Printed 5/27/2010 HE-01205-07

Minnesota Unique Well No.

553803

County Ramsey
 Quad St Paul West
 Quad ID 103B

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date 06/18/1996
 Update Date 05/09/2007
 Received Date

Minnesota Statutes Chapter 103I

<p>Well Name SCHUSTER, TONY Township Range Dir Section Subsections Elevation ft. 28 23 W 17 BAA Elevation Method</p> <p>Well Address 750 MISSISSIPPI RIVER BL SAINT PAUL MN</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;">Geological Material</td> <td style="width:15%;">Color</td> <td style="width:15%;">Hardness</td> <td style="width:10%;">From</td> <td style="width:10%;">To</td> </tr> <tr> <td>SHALE</td> <td>GRAY</td> <td>MEDIUM</td> <td>0</td> <td>10</td> </tr> <tr> <td>LIMESTONE</td> <td>GRAY</td> <td>HARD</td> <td>10</td> <td>31</td> </tr> </table>	Geological Material	Color	Hardness	From	To	SHALE	GRAY	MEDIUM	0	10	LIMESTONE	GRAY	HARD	10	31	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">Well Depth</td> <td style="width:33%;">Depth Completed</td> <td style="width:33%;">Date Well Completed</td> </tr> <tr> <td>31 ft.</td> <td>30 ft.</td> <td>05/19/1995</td> </tr> </table> <p>Drilling Method Cable Tool</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Drilling Fluid</td> <td style="width:40%;">Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td>--</td> <td>From Ft. to Ft.</td> </tr> </table> <p>Use Elevator</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Casing Type Steel (black or low carbon) Joint Welded Drive Shoe? <input checked="" type="checkbox"/></td> <td style="width:40%;"></td> </tr> <tr> <td>Yes <input type="checkbox"/> No Above/Below ft.</td> <td></td> </tr> </table> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">Casing Diameter</td> <td style="width:33%;">Weight</td> <td style="width:33%;">Hole Diameter</td> </tr> <tr> <td>20 in. to 3 ft.</td> <td>52.73 lbs./ft.</td> <td>20 in. to 31 ft.</td> </tr> <tr> <td>14 in. to 30 ft.</td> <td>54.57 lbs./ft.</td> <td>in. to ft.</td> </tr> </table> <p>Open Hole from ft. to ft.</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">Screen</td> <td style="width:33%;">Make</td> <td style="width:33%;">Type</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </table> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;">Diameter</td> <td style="width:25%;">Slot/Gauze</td> <td style="width:25%;">Length</td> <td style="width:25%;">Set Between</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>Static Water Level ft. from Date Measured</p> <p>PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.</p> <p>Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)</p>	Well Depth	Depth Completed	Date Well Completed	31 ft.	30 ft.	05/19/1995	Drilling Fluid	Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No	--	From Ft. to Ft.	Casing Type Steel (black or low carbon) Joint Welded Drive Shoe? <input checked="" type="checkbox"/>		Yes <input type="checkbox"/> No Above/Below ft.		Casing Diameter	Weight	Hole Diameter	20 in. to 3 ft.	52.73 lbs./ft.	20 in. to 31 ft.	14 in. to 30 ft.	54.57 lbs./ft.	in. to ft.	Screen	Make	Type				Diameter	Slot/Gauze	Length	Set Between				
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<p>REMARKS PIT IS 10' BELOW GRADE.</p>	<p>Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Grout Material: Neat Cement from 0 to 31 ft. 32 bags</p> <p>Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number ___ HP ___ Volts Length of drop Pipe ___ ft. Capacity ___ g.p.m. Type Material</p>																																																				
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<p>County Well Index Online Report</p>	<p>553803</p>	<p>Printed 5/27/2010 HE-01205-07</p>																																																			

Minnesota Unique Well No.

563078

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
 Minnesota Statutes Chapter 103I

Entry Date 03/31/2008
 Update Date 04/07/2008
 Received Date 06/07/1996

<p>Well Name MW-4 VALVOLINE CO. Township Range Dir Section Subsections Elevation ft. 28 23 W 16 BBB Elevation Method</p> <p>Well Address 726 CLEVELAND AV S ST PAUL MN</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:25%;">Geological Material</td> <td style="width:25%;">Color</td> <td style="width:25%;">Hardness</td> <td style="width:10%;">From</td> <td style="width:15%;">To</td> </tr> <tr> <td>TOPSOIL</td> <td>BLACK</td> <td>SOFT</td> <td>0</td> <td>1</td> </tr> <tr> <td>SAND, GRAVEL</td> <td>BROWN</td> <td>SOFT</td> <td>1</td> <td>9</td> </tr> <tr> <td>SHALE, LIMESTONE CHUNKS</td> <td>GREEN</td> <td>HARD</td> <td>9</td> <td>14</td> </tr> </table>	Geological Material	Color	Hardness	From	To	TOPSOIL	BLACK	SOFT	0	1	SAND, GRAVEL	BROWN	SOFT	1	9	SHALE, LIMESTONE CHUNKS	GREEN	HARD	9	14	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">Well Depth</td> <td style="width:33%;">Depth Completed</td> <td style="width:34%;">Date Well Completed</td> </tr> <tr> <td>14 ft.</td> <td>14 ft.</td> <td>04/18/1996</td> </tr> <tr> <td colspan="3">Drilling Method Auger (non-specified)</td> </tr> <tr> <td>Drilling Fluid</td> <td colspan="2">Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td>--</td> <td colspan="2">From Ft. to Ft.</td> </tr> <tr> <td colspan="3">Use Monitor well</td> </tr> <tr> <td>Casing Type Plastic Joint No Information</td> <td colspan="2">Drive Shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Above/Below ft.</td> </tr> <tr> <td>Casing Diameter</td> <td>Weight</td> <td>Hole Diameter</td> </tr> <tr> <td>2 in. to 4 ft.</td> <td>lbs./ft.</td> <td>8 in. to 14 ft.</td> </tr> <tr> <td colspan="3">Open Hole from ft. to ft.</td> </tr> <tr> <td colspan="3">Screen YES Make TIMCO Type plastic</td> </tr> <tr> <td>Diameter</td> <td>Slot/Gauze</td> <td>Length</td> </tr> <tr> <td>2</td> <td>10</td> <td>10</td> </tr> <tr> <td colspan="3">Set Between 4 ft. and 14 ft.</td> </tr> <tr> <td colspan="3">Static Water Level 11.2 ft. from Land surface Date Measured 04/18/1996</td> </tr> <tr> <td colspan="3">PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.</td> </tr> <tr> <td colspan="3">Well Head Completion Pitless adapter manufacturer Model <input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY) </td> </tr> <tr> <td colspan="3" style="text-align: center;"><i>NO REMARKS</i></td> </tr> <tr> <td colspan="3">Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Bentonite from 1 to 3 ft.</td> </tr> <tr> <td colspan="3">Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td> </tr> <tr> <td colspan="3">Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number __ HP _ Volts Length of drop Pipe ft. 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County Well Index Online Report		Printed 10/14/2010 HE-01205-07																																																																																																	

563078

Minnesota Unique Well No.

578611

County Hennepin
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH
**WELL AND BORING
 RECORD**

Entry Date 04/14/2009
 Update Date 04/14/2009
 Received Date

Minnesota Statutes Chapter 103I

Well Name MW-1 Township Range Dir Section Subsections Elevation ft. 28 23 W 17 CCB Elevation Method		Well Depth 36 ft. Depth Completed 36 ft. Date Well Completed 04/30/1996
Well Address 5247 MINNEHAHA AV MINNEAPOLIS MN		Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No From Ft. to Ft.
Geological Material GRASS, SANDY SILTY CLAY SAND SAND/CLAY SAND MEDIUM-COARSE GRAVELY SAND GRAVELY SAND, WET LIMESTONE		Color Hardness From To BROWN 0 4 BROWN MEDIUM 4 9 BROWN MEDIUM 9 11 BROWN MEDIUM 11 14 BROWN 14 19 BROWN 19 21 BROWN 21 36
Use Monitor well		Casing Type Steel (black or low carbon) Joint No Information Drive Shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Above/Below ft.
Casing Diameter Weight Hole Diameter 4 in. to 25 ft. lbs./ft. 19.25 in. to 36 ft.		Open Hole from 25 ft. to 36 ft.
Screen NO Make Type Diameter Slot/Gauze Length Set Between		Static Water Level 22.3 ft. from Land surface Date Measured 04/30/1996
PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.		Well Head Completion Pitless adapter manufacturer Model <input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)
NO REMARKS		Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from to 25 ft.
Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number __ HP __ Volts Length of drop Pipe ft. Capacity g.p.m. Type Material
Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Well Contractor Certification Thein Well Co. 34050 HERRBOLDT, N. License Business Name Lic. Or Reg. No. Name of Driller		First Bedrock Last Strat Aquifer Depth to Bedrock ft.
County Well Index Online Report		578611 Printed 5/27/2010 HE-01205-07

Minnesota Unique Well No.

578613

County Hennepin
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
 Minnesota Statutes Chapter 103I

Entry Date 04/16/2009
 Update Date 04/16/2009
 Received Date

<p>Well Name MW-3 Township Range Dir Section Subsections Elevation ft. 28 23 W 17 CCB Elevation Method</p> <p>Well Address 5247 MINNEHAHA AV MINNEAPOLIS MN</p> <p>Geological Material</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:60%;"></th> <th style="width:10%;">Color</th> <th style="width:10%;">Hardness</th> <th style="width:10%;">From</th> <th style="width:10%;">To</th> </tr> </thead> <tbody> <tr> <td>CONCRETE GRAVELY CLAY</td> <td>BROWN</td> <td></td> <td>0</td> <td>4</td> </tr> <tr> <td>SAND</td> <td>BROWN</td> <td>MEDIUM</td> <td>4</td> <td>11</td> </tr> <tr> <td>SAND GRAVELY</td> <td>BROWN</td> <td>MEDIUM</td> <td>11</td> <td>14</td> </tr> <tr> <td>MEDIUM-COARSE SAND</td> <td>BROWN</td> <td></td> <td>14</td> <td>19</td> </tr> <tr> <td>WET GRAVELY SAND ROCK</td> <td></td> <td></td> <td>19</td> <td>21</td> </tr> <tr> <td>LIMESTONE</td> <td></td> <td></td> <td>21</td> <td>31</td> </tr> </tbody> </table>		Color	Hardness	From	To	CONCRETE GRAVELY CLAY	BROWN		0	4	SAND	BROWN	MEDIUM	4	11	SAND GRAVELY	BROWN	MEDIUM	11	14	MEDIUM-COARSE SAND	BROWN		14	19	WET GRAVELY SAND ROCK			19	21	LIMESTONE			21	31	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">Well Depth</td> <td style="width:33%;">Depth Completed</td> <td style="width:33%;">Date Well Completed</td> </tr> <tr> <td>31 ft.</td> <td>31 ft.</td> <td>04/30/1996</td> </tr> <tr> <td colspan="3">Drilling Method Multiple methods used</td> </tr> <tr> <td>Drilling Fluid</td> <td colspan="2">Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td>--</td> <td colspan="2">From Ft. to Ft.</td> </tr> <tr> <td colspan="3">Use Monitor well</td> </tr> <tr> <td>Casing Type Steel (black or low carbon)</td> <td colspan="2">Joint No Information Drive Shoe? <input type="checkbox"/></td> </tr> <tr> <td>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></td> <td colspan="2">Above/Below ft.</td> </tr> <tr> <td>Casing Diameter</td> <td>Weight</td> <td>Hole Diameter</td> </tr> <tr> <td>4 in. to 22.9 ft.</td> <td>lbs./ft.</td> <td>10.25 in. to 31 ft.</td> </tr> <tr> <td colspan="3">Open Hole from 22.9 ft. to 31 ft.</td> </tr> <tr> <td>Screen NO</td> <td>Make</td> <td>Type</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>Diameter</td> <td>Slot/Gauze</td> <td>Length Set Between</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="3">Static Water Level</td> </tr> <tr> <td colspan="3">16.2 ft. from Land surface Date Measured 04/30/1996</td> </tr> <tr> <td colspan="3">PUMPING LEVEL (below land surface)</td> </tr> <tr> <td colspan="3">ft. after hrs. pumping g.p.m.</td> </tr> <tr> <td colspan="3">Well Head Completion</td> </tr> <tr> <td colspan="3">Pitless adapter manufacturer Model</td> </tr> <tr> <td colspan="3"><input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade</td> </tr> <tr> <td colspan="3"><input checked="" type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)</td> </tr> <tr> <td colspan="3" style="text-align: center;"><i>NO REMARKS</i></td> </tr> <tr> <td colspan="3">Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</td> </tr> <tr> <td colspan="3">Grout Material: Neat Cement from to 22.9 ft.</td> </tr> <tr> <td colspan="3">Nearest Known Source of Contamination</td> </tr> <tr> <td colspan="3">_feet _direction _type</td> </tr> <tr> <td colspan="3">Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td> </tr> <tr> <td colspan="3">Pump <input type="checkbox"/> Not Installed Date Installed</td> </tr> <tr> <td colspan="3">Manufacturer's name Model number ___ HP ___ Volts</td> </tr> <tr> <td colspan="3">Length of drop Pipe ft. 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No. Name of Driller</td> </tr> <tr> <td colspan="2">County Well Index Online Report</td> <td>578613</td> </tr> <tr> <td colspan="2"></td> <td>Printed 5/27/2010 HE-01205-07</td> </tr> </table>	Well Depth	Depth Completed	Date Well Completed	31 ft.	31 ft.	04/30/1996	Drilling Method Multiple methods used			Drilling Fluid	Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No		--	From Ft. to Ft.		Use Monitor well			Casing Type Steel (black or low carbon)	Joint No Information Drive Shoe? <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Above/Below ft.		Casing Diameter	Weight	Hole Diameter	4 in. to 22.9 ft.	lbs./ft.	10.25 in. to 31 ft.	Open Hole from 22.9 ft. to 31 ft.			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Minnesota Unique Well No.

582992

County Hennepin
 Quad St Paul West
 Quad ID 103B

MINNESOTA DEPARTMENT OF HEALTH
**WELL AND BORING
 RECORD**

Entry Date
 Update Date 04/27/2010
 Received Date

Minnesota Statutes Chapter 103I

Well Name MW-2B Township Range Dir Section Subsections Elevation 780 ft. 28 23 W 17 DCCDCC Elevation Method 7.5 minute topographic map (+/- 5 feet)		Well Depth 108 ft. Depth Completed 98 ft. Date Well Completed 08/28/1996
Well Address 54TH ST MINNEAPOLIS MN		Drilling Method Auger (non-specified)
Geological Material TOPSOIL WEATHERED BEDROCK PLATTEVILLE FORMATION GLEN FORMATION ST. PETER		Color Hardness From To HARD 0 3 HARD 3 5 HARD 5 18 HARD 18 22 HARD 22 108
Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No From Ft. to Ft.		Use Monitor well
Casing Type Steel (black or low carbon) Joint Threaded Drive Shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Above/Below ft.		Casing Diameter Weight Hole Diameter 2 in. to 88 ft. lbs./ft. 7.62 in. to 5 ft. 4 in. to 6 ft.
Open Hole from ft. to ft.		Screen YES Make JOHNSON Type stainless steel
Diameter Slot/Gauze Length Set Between 2 10 15 83 ft. and 98 ft.		Static Water Level 88 ft. from Land surface Date Measured 08/28/1996
PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.		Well Head Completion Pitless adapter manufacturer Model <input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)
NO REMARKS		Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from to 77 ft.
Located by: Minnesota Geological Survey Method: Digitization (Screen) - Map (1:24,000) Unique Number Verification: Info/GPS from data source Input Date: 04/27/2010 System: UTM - Nad83, Zone15, Meters X: 484527 Y: 4972450		Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
First Bedrock Last Strat		Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number HP Volts Length of drop Pipe ft. Capacity g.p.m. Type Material
Aquifer Depth to Bedrock ft.		Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
County Well Index Online Report		Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Well Contractor Certification W.t.d. Environmental 27653 EINUM, J. License Business Name Lic. Or Reg. No. Name of Driller		Printed 5/27/2010 HE-01205-07

Minnesota Unique Well No.

592310

County Hennepin
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD

Entry Date
 Update Date 04/16/2009
 Received Date

Minnesota Statutes Chapter 103I

Well Name MW-1		Well Depth	Depth Completed	Date Well Completed
Township Range Dir Section Subsections Elevation ft.		39 ft.	36 ft.	12/17/1996
28 23 W 17 CCD Elevation Method		Drilling Method Auger (non-specified)		
Well Address		Drilling Fluid	Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No	
5371 MINNEHAHA AV		--	From Ft. to Ft.	
MINNEAPOLIS MN		Use Monitor well		
Geological Material		Casing Type	Steel (black or low carbon)	Joint Threaded Drive Shoe? <input type="checkbox"/>
LOOSE SAND/SILTY CLAY	BROWN SOFT 0 2	Yes <input checked="" type="checkbox"/> No Above/Below ft.		
LOOSE SAND	BROWN 2 13	Casing Diameter	Weight	Hole Diameter
SILTY CLAY	BRN/GRYSOFT 13 23	2 in. to 26 ft.	3.65 lbs./ft.	10 in. to 34 ft.
LOOSE SAND, FINE- MEDIUM	BROWN 23 27	6 in. to 39 ft.		
MED DENSE-LOOSE COARSE SAND	BROWN 27 34	Open Hole from ft. to ft.		
W/GRAV	BROWN 34 39	Screen YES Make Type plastic		
LIMESTONE	GRAY 34 39	Diameter Slot/Gauze Length Set Between		
		2 10 10 26 ft. and 36 ft.		
		Static Water Level		
		29.5 ft. from Land surface Date Measured 12/17/1996		
		PUMPING LEVEL (below land surface)		
		ft. after hrs. pumping g.p.m.		
		Well Head Completion		
		Pileless adapter manufacturer Model		
		<input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade		
		<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
NO REMARKS		Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		Grout Material: Neat Cement from to 24 ft. 5 bags		
		Nearest Known Source of Contamination		
		_feet _direction _type		
		Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		Pump <input type="checkbox"/> Not Installed Date Installed		
		Manufacturer's name Model number __ HP _ Volts		
		Length of drop Pipe _ft. Capacity _g.p.m. Type Material		
		Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/>		
		Yes <input checked="" type="checkbox"/> No		
		Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		Well Contractor Certification		
First Bedrock	Aquifer	Bergerson-Caswell	27058	HOLMEN, G.
Last Strat	Depth to Bedrock ft.	License Business Name	Lic. Or Reg. No.	Name of Driller
County Well Index Online Report		592310		Printed 5/27/2010 HE-01205-07

Minnesota Unique Well No.

592311

County Hennepin
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date
 Update Date 04/16/2009
 Received Date

Minnesota Statutes Chapter 103I

Well Name MW-2 Township Range Dir Section Subsections Elevation ft. 28 23 W 17 CCD Elevation Method		Well Depth 38 ft.	Depth Completed 32.5 ft.	Date Well Completed 12/18/1996
Well Address 5371 MINNEHAHA AV MINNEAPOLIS MN		Drilling Method Multiple methods used		
Geological Material LOOSE FINE SAND SILTY CLAY MED. DENSE-LOOSE SAND W/GRAVEL LIMESTONE		Color BROWN GRAY BROWN GRAY	Hardness 0 SOFT MEDIUM 29	From To 9 18 18 29 29 38
Casing Type Steel (black or low carbon) Joint Threaded Drive Shoe? <input type="checkbox"/>		Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No From Ft. to Ft.		
Use Monitor well		Casing Type Steel (black or low carbon) Joint Threaded Drive Shoe? <input type="checkbox"/>		
Casing Diameter Weight Hole Diameter 2 in. to 22.5 ft. 3.65 lbs./ft. 10 in. to 29 ft. 6 in. to 38 ft.		Open Hole from ft. to ft.		
Screen YES Make Type plastic		Diameter Slot/Gauze Length Set Between 2 10 10 22.5 ft. and 32.5 ft.		
Static Water Level 25.2 ft. from Land surface Date Measured 12/18/1996		PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.		
Well Head Completion Pitless adapter manufacturer Model <input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from to 20.5 ft. 5 bags		
NO REMARKS		Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number __ HP __ Volts Length of drop Pipe _ft. Capacity _g.p.m Type Material		Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
First Bedrock Last Strat		Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Aquifer Depth to Bedrock ft.		Well Contractor Certification Bergerson-Caswell 27058 HOLMEN, G. License Business Name Lic. Or Reg. No. Name of Driller		
County Well Index Online Report		592311		Printed 5/27/2010 HE-01205-07

Minnesota Unique Well No.

592312

County Hennepin
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
 Minnesota Statutes Chapter 103I

Entry Date
 Update Date 04/16/2009
 Received Date

Well Name MW-3		Well Depth	Depth Completed	Date Well Completed
Township Range Dir Section Subsections Elevation ft.		35 ft.	32.5 ft.	12/19/1996
28 23 W 17 CCD Elevation Method		Drilling Method Multiple methods used		
Well Address		Drilling Fluid	Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No	
5371 MINNEHAHA AV		--	From Ft. to Ft.	
MINNEAPOLIS MN		Use Monitor well		
Geological Material		Casing Type	Steel (black or low carbon)	Joint Threaded Drive Shoe? <input type="checkbox"/>
LOOSE FINE SAND	BROWN	Yes <input checked="" type="checkbox"/> No	Above/Below ft.	
LOOSE SILTY SAND	GRAY	Casing Diameter Weight Hole Diameter		
LOOSE TO MED. DENSE SAND	BROWN MEDIUM	2 in. to 22.5 ft.	3.65 lbs./ft.	10 in. to 29 ft.
DENSE SAND/GRAVEL	BROWN	6 in. to 35 ft.		
LIMESTONE	GRAY	Open Hole from ft. to ft.		
		Screen YES Make Type plastic		
		Diameter	Slot/Gauze	Length Set Between
		2	10	10 22.5 ft. and 32.5 ft.
Static Water Level				
25.5 ft. from Land surface Date Measured 12/19/1996				
PUMPING LEVEL (below land surface)				
ft. after hrs. pumping g.p.m.				
Well Head Completion				
Pitless adapter manufacturer Model				
<input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade				
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NO REMARKS		Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		Grout Material: Neat Cement from to 20.5 ft. 5 bags		
Nearest Known Source of Contamination				
_feet _direction _type				
Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Pump <input type="checkbox"/> Not Installed Date Installed				
Manufacturer's name Model number __ HP __ Volts				
Length of drop Pipe ft. Capacity __g.p.m Type Material				
Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/>				
Yes <input checked="" type="checkbox"/> No				
Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Well Contractor Certification				
Bergerson-Caswell		27058	HOLMEN, G.	
License Business Name		Lic. Or Reg. No.	Name of Driller	
First Bedrock	Aquifer			
Last Strat	Depth to Bedrock ft.			
County Well Index Online Report		592312		Printed 5/27/2010 HE-01205-07

Minnesota Unique Well No.

594122

County Hennepin
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date
 Update Date 04/16/2009
 Received Date

Minnesota Statutes Chapter 103I

Well Name MW-4		Well Depth	Depth Completed	Date Well Completed
Township Range Dir Section Subsections Elevation ft.		40 ft.	38.5 ft.	03/05/1997
28 23 W 17 CDC Elevation Method		Drilling Method Auger (non-specified)		
Well Address 5271 MINNEHAHA AV MINNEAPOLIS MN 55417		Drilling Fluid	Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No	
		--	From Ft. to Ft.	
		Use Monitor well		
Geological Material		Casing Type	Steel (black or low carbon)	Joint Threaded Drive Shoe? <input type="checkbox"/>
LOOSE FINE SAND	BROWN	0	12	
LOOSE FINE SILTY SAND	BROWN	12	14	Yes <input checked="" type="checkbox"/> No Above/Below ft.
LOOSE FINE SAND	BROWN	14	16	
LOOSE FINE SAND	GRAY	16	18	
LOOSE FINE SILTY SAND	GRAY	18	20	
FIRM SILTY CLAY	GRAY	20	22	
LOOSE-MED. DENSE FINE-MED SAND	BROWN	22	32	
MED. DENSE COARSE SAND	BROWN	32	34	
BEDROCK LIMESTONE	WHT/GRY	34	40	
		Casing Diameter	Weight	Hole Diameter
		2 in. to 28.5 ft.	3.65 lbs./ft.	8 in. to 38 ft.
				4 in. to 40 ft.
		Open Hole from ft. to ft.		
		Screen YES	Make	Type plastic
		Diameter	Slot/Gauze	Length Set Between
		2	10	10 28.5 ft. and 38.5 ft.
		Static Water Level		
		31.5 ft. from Land surface Date Measured 03/05/1997		
		PUMPING LEVEL (below land surface)		
		ft. after hrs. pumping g.p.m.		
		Well Head Completion		
		Pitless adapter manufacturer Model		
		<input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade		
		<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
NO REMARKS		Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
		Grout Material: Neat Cement from to 24.5 ft. 10 bags		
		Nearest Known Source of Contamination		
		_feet _direction _type		
		Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		Pump <input type="checkbox"/> Not Installed Date Installed		
		Manufacturer's name Model number __ HP _ Volts		
		Length of drop Pipe _ft. Capacity _g.p.m Type Material		
		Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/>		
		Yes <input checked="" type="checkbox"/> No		
		Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		Well Contractor Certification		
First Bedrock		Bergerson-Caswell	27058	HOLMEN, G.
Last Strat		Aquifer	Lic. Or Reg. No.	Name of Driller
Depth to Bedrock ft.				
County Well Index Online Report		594122		Printed 5/27/2010 HE-01205-07

Minnesota Unique Well No.

602126

County Hennepin
 Quad St Paul West
 Quad ID 103B

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date 11/20/1998
 Update Date 09/08/2006
 Received Date

Minnesota Statutes Chapter 103I

<p>Well Name VETERANS HOME-MPLS Township Range Dir Section Subsections Elevation ft. 28 23 W 17 Elevation Method</p>	<p>Well Depth 40 ft. Depth Completed 39 ft. Date Well Completed 04/14/1998</p>
<p>Well Address 5101 MINNEHAHA AV S MINNEAPOLIS MN 55417</p>	<p>Drilling Method Cable Tool</p>
<p>Geological Material Color Hardness From To SHALE LIMESTONE BLU/GRY HARD 0 20 LIMESTONE GRAY HARD 20 35 SANDSTONE - SHALE GRAY HARD 35 40</p>	<p>Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No From Ft. to Ft.</p>
<p>Casing Type Mixed Completion Joint Welded Drive Shoe? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>Use Elevator</p>
<p>Open Hole from ft. to ft.</p>	<p>Screen Make Type</p>
<p>Static Water Level 6 ft. from Land surface Date Measured 04/14/1998</p>	<p>PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.</p>
<p>REMARKS PIT FLOOR 6' BELOW GRADE</p>	<p>Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)</p>
<p>Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>	<p>Grout Material: Neat Cement from to 40 ft. 30 bags</p>
<p>Nearest Known Source of Contamination _feet _direction _type</p>	<p>Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>Pump <input type="checkbox"/> Not Installed Date Installed</p>	<p>Manufacturer's name Model number HP Volts Length of drop Pipe ft. Capacity g.p.m. Type Material</p>
<p>Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/></p>	<p>Yes <input type="checkbox"/> No</p>
<p>First Bedrock Aquifer Last Strat Depth to Bedrock ft.</p>	<p>Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>County Well Index Online Report</p>	<p>Well Contractor Certification Midwest Drilling L0004 FULTON, W. License Business Name Lic. Or Reg. No. Name of Driller</p>
<p>602126</p>	<p>Printed 5/27/2010 HE-01205-07</p>

Minnesota Unique Well No.

602127

County Hennepin
 Quad Hopkins
 Quad ID 104B

MINNESOTA DEPARTMENT OF HEALTH
**WELL AND BORING
 RECORD**

Entry Date 11/20/1998
 Update Date 09/08/2006
 Received Date

Minnesota Statutes Chapter 103I

<p>Well Name VETERANS HOMES-MPLS</p> <p>Township Range Dir Section Subsections Elevation ft.</p> <p>28 23 W 17 Elevation Method</p>	<p>Well Depth 40 ft. Depth Completed 40 ft. Date Well Completed 03/30/1998</p> <p>Drilling Method Cable Tool</p>																																																
<p>Well Address 5101 MINNEHAHA AV S MINNEAPOLIS MN 55417</p>	<p>Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No From Ft. to Ft.</p> <p>Use Elevator</p>																																																
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Minnesota Unique Well No.

609761

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date 11/20/1998
 Update Date 06/23/2004
 Received Date

Minnesota Statutes Chapter 103I

Well Name DEPT OF ADMINISTRATION Township Range Dir Section Subsections Elevation ft. 28 23 W 17 Elevation Method		Well Depth 20 ft. Depth Completed 18 ft. Date Well Completed 04/15/1998
Well Address 966 MISSISSIPPI BL S ST PAUL MN 55116		Drilling Method Cable Tool Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No From Ft. to Ft.
Geological Material Color Hardness From To CLAY BROWN SOFT 0 9 SHALE BLU/GRY MEDIUM 9 12 LIMESTONE GRAY HARD 12 20		Use Elevator Casing Type Steel (black or low carbon) Joint Welded Drive Shoe? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Above/Below ft.
		Casing Diameter Weight Hole Diameter 20 in. to 12 ft. 42.05 lbs./ft. 16 in. to 18 ft. 62.58 lbs./ft.
		Open Hole from ft. to ft. Screen Make Type Diameter Slot/Gauze Length Set Between
		Static Water Level ft. from Date Measured PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.
		Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)
REMARKS PIT IS 4' BELOW STREET.		Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from 0 to 20 ft. 14
		Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No
		Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number __ HP _ Volts Length of drop Pipe _ft. Capacity _g.p.m Type Material
		Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No
		Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No
First Bedrock Last Strat Aquifer Depth to Bedrock ft.		Well Contractor Certification Midwest Drilling L0004 FULTON, W. License Business Name Lic. Or Reg. No. Name of Driller
County Well Index Online Report		609761 Printed 10/14/2010 HE-01205-07

Minnesota Unique Well No.

625005

County Hennepin
 Quad St Paul West
 Quad ID 103B

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
 Minnesota Statutes Chapter 103I

Entry Date 08/24/2000
 Update Date 05/03/2005
 Received Date

<p>Well Name MINNEHAHA FALLS PARK Township Range Dir Section Subsections Elevation 797 ft. 28 23 W 18 ADCA Elevation Method Calc from DEM (USGS 7.5 min or equiv.)</p> <p>Well Address 4901 MINNEHAHA AV MINNEAPOLIS MN</p> <p>Geological Material TOPSOIL MED SAND & GRAVEL DENSE GRAVEL & SAND EXTREMELY DENSE WEATHERED LIMESTONE BUFF EOB</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Color</th> <th style="text-align: left;">Hardness</th> <th style="text-align: left;">From</th> <th style="text-align: left;">To</th> </tr> </thead> <tbody> <tr> <td>BLACK</td> <td></td> <td>0</td> <td>1</td> </tr> <tr> <td>BROWN</td> <td>MEDIUM</td> <td>1</td> <td>7</td> </tr> <tr> <td>BROWN</td> <td></td> <td>7</td> <td>9</td> </tr> <tr> <td></td> <td>HARD</td> <td>9</td> <td>10</td> </tr> </tbody> </table>	Color	Hardness	From	To	BLACK		0	1	BROWN	MEDIUM	1	7	BROWN		7	9		HARD	9	10	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:33%;">Well Depth 10 ft.</td> <td style="width:33%;">Depth Completed 10 ft.</td> <td style="width:33%;">Date Well Completed 02/21/2000</td> </tr> <tr> <td colspan="3">Drilling Method Auger (non-specified)</td> </tr> <tr> <td>Drilling Fluid -</td> <td colspan="2">Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From Ft. to Ft.</td> </tr> <tr> <td colspan="3">Use Monitor well</td> </tr> <tr> <td colspan="3">Casing Type Steel (black or low carbon) Joint Threaded Drive Shoe? <input type="checkbox"/> Yes <input type="checkbox"/> No No Above/Below ft.</td> </tr> <tr> <td>Casing Diameter 2 in. to 4.6 ft.</td> <td>Weight lbs./ft.</td> <td>Hole Diameter 8 in. to 9.6 ft.</td> </tr> <tr> <td colspan="3">Open Hole from ft. to ft.</td> </tr> <tr> <td colspan="3">Screen YES Make US FILTER Type plastic</td> </tr> <tr> <td>Diameter 2</td> <td>Slot/Gauze 10</td> <td>Length 5</td> </tr> <tr> <td colspan="3">Set Between 4.6 ft. and 9.6 ft.</td> </tr> <tr> <td colspan="3">Static Water Level ft. from Date Measured</td> </tr> <tr> <td colspan="3">PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.</td> </tr> <tr> <td colspan="3">Well Head Completion Pitless adapter manufacturer Model <input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY) </td> </tr> <tr> <td colspan="3">REMARKS OWNER'S ADDIT'L MAILING INFO: 200 GRAIN EXCHANGE. STS PROJECT #D10280 MW3A CASING: 6" PROTOP SEE MAP </td> </tr> <tr> <td colspan="3">Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from 0 to 4 ft. 2 bags </td> </tr> <tr> <td colspan="3">Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No </td> </tr> <tr> <td colspan="3">Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number ___ HP _ Volts Length of drop Pipe _ft. 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County Well Index Online Report		625005			Printed 8/9/2010 HE-01205-07
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Minnesota Unique Well No.

625006

County Hennepin
 Quad St Paul West
 Quad ID 103B

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
 Minnesota Statutes Chapter 103I

Entry Date 08/24/2000
 Update Date 05/03/2005
 Received Date

<p>Well Name MINNEHAHA FALLS PARK Township Range Dir Section Subsections Elevation 28 23 W 18 ADCA 797 ft. Elevation Method Calc from DEM (USGS 7.5 min or equiv.)</p> <p>Well Address 4901 MINNEHAHA AV MINNEAPOLIS MN</p> <p>Geological Material</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Geological Material</th> <th style="text-align: left;">Color</th> <th style="text-align: left;">Hardness</th> <th style="text-align: left;">From</th> <th style="text-align: left;">To</th> </tr> </thead> <tbody> <tr> <td>TOPSOIL</td> <td>BLACK</td> <td></td> <td>0</td> <td>1</td> </tr> <tr> <td>MEDIUM SAND DENSE</td> <td>BROWN</td> <td>MEDIUM</td> <td>1</td> <td>7</td> </tr> <tr> <td>GRAVELLY SAND EXTREMELY DENSE</td> <td>BROWN</td> <td></td> <td>7</td> <td>9</td> </tr> <tr> <td>WEATHERED LIMESTONE BUFF</td> <td></td> <td>HARD</td> <td>9</td> <td>11</td> </tr> <tr> <td>PLATTEVILLE LIMESTONE</td> <td>GRAY</td> <td>HARD</td> <td>11</td> <td>37</td> </tr> <tr> <td>GLENWOOD SHALE</td> <td>GREEN</td> <td>SOFT</td> <td>37</td> <td>38</td> </tr> <tr> <td>EOB</td> <td></td> <td></td> <td>38</td> <td></td> </tr> </tbody> </table>	Geological Material	Color	Hardness	From	To	TOPSOIL	BLACK		0	1	MEDIUM SAND DENSE	BROWN	MEDIUM	1	7	GRAVELLY SAND EXTREMELY DENSE	BROWN		7	9	WEATHERED LIMESTONE BUFF		HARD	9	11	PLATTEVILLE LIMESTONE	GRAY	HARD	11	37	GLENWOOD SHALE	GREEN	SOFT	37	38	EOB			38		<p>Well Depth 38 ft. Depth Completed 37 ft. Date Well Completed 02/20/2000</p> <p>Drilling Method Auger (non-specified)</p> <p>Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From Ft. to Ft.</p> <p>Use Monitor well</p> <p>Casing Type Steel (black or low carbon) Joint Threaded Drive Shoe? <input type="checkbox"/> Yes <input type="checkbox"/> No No Above/Below ft.</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Casing Diameter</th> <th style="text-align: left;">Weight</th> <th style="text-align: left;">Hole Diameter</th> </tr> </thead> <tbody> <tr> <td>2 in. to 17.5 ft.</td> <td>3.65 lbs./ft.</td> <td>8 in. to 10.8 ft.</td> </tr> <tr> <td></td> <td></td> <td>6 in. to 38 ft.</td> </tr> </tbody> </table> <p>Open Hole from ft. to ft.</p> <p>Screen YES Make US FILTER (WIRE WO Type stainless steel</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Diameter</th> <th style="text-align: left;">Slot/Gauze</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Set Between</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>10</td> <td>20</td> <td>17.5 ft. and 37 ft.</td> </tr> </tbody> </table> <p>Static Water Level ft. from Date Measured</p> <p>PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.</p> <p>Well Head Completion Pitless adapter manufacturer Model <input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)</p> <p>Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from 0 to 14.5 ft. 7 bags</p> <p>Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number __ HP _ Volts Length of drop Pipe ft. Capacity g.p.m Type Material</p> <p>Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Well Contractor Certification STS Consultants, Ltd. M0150 DAVIS, G. License Business Name Lic. Or Reg. No. Name of Driller</p>	Casing Diameter	Weight	Hole Diameter	2 in. to 17.5 ft.	3.65 lbs./ft.	8 in. to 10.8 ft.			6 in. to 38 ft.	Diameter	Slot/Gauze	Length	Set Between	2	10	20	17.5 ft. and 37 ft.
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Minnesota Unique Well No.

625007

County Hennepin
 Quad St Paul West
 Quad ID 103B

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
 Minnesota Statutes Chapter 103I

Entry Date 08/24/2000
 Update Date 05/03/2005
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<p>Well Name MINNEHAHA FALLS PARK</p> <p>Township Range Dir Section Subsections Elevation 790 ft. 28 23 W 18 DAAA Elevation Method Calc from DEM (USGS 7.5 min or equiv.)</p> <p>Well Address 5001 MINNEHAHA AV MINNEAPOLIS MN</p> <p>Geological Material</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Geological Material</th> <th style="text-align: left;">Color</th> <th style="text-align: left;">Hardness</th> <th style="text-align: left;">From</th> <th style="text-align: left;">To</th> </tr> </thead> <tbody> <tr> <td>TOPSOIL</td> <td>BLACK</td> <td></td> <td>0</td> <td>1</td> </tr> <tr> <td>FINE TO MED SAND, TRACE GRAVEL DEN</td> <td>BROWN</td> <td>MEDIUM</td> <td>1</td> <td>7</td> </tr> <tr> <td>SANDY CLAY DENSE</td> <td>GRY/BRN</td> <td>MEDIUM</td> <td>7</td> <td>8</td> </tr> <tr> <td>EOB</td> <td></td> <td></td> <td>8</td> <td></td> </tr> <tr> <td>LIMESTONE</td> <td></td> <td>HARD</td> <td>8</td> <td>8</td> </tr> </tbody> </table>	Geological Material	Color	Hardness	From	To	TOPSOIL	BLACK		0	1	FINE TO MED SAND, TRACE GRAVEL DEN	BROWN	MEDIUM	1	7	SANDY CLAY DENSE	GRY/BRN	MEDIUM	7	8	EOB			8		LIMESTONE		HARD	8	8	<table style="width:100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Well Depth</td> <td style="text-align: center;">Depth Completed</td> <td style="text-align: center;">Date Well Completed</td> </tr> <tr> <td style="text-align: center;">8 ft.</td> <td style="text-align: center;">8 ft.</td> <td style="text-align: center;">02/27/2000</td> </tr> <tr> <td colspan="3">Drilling Method Auger (non-specified)</td> </tr> <tr> <td>Drilling Fluid --</td> <td colspan="2">Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From Ft. to Ft.</td> </tr> <tr> <td colspan="3">Use Monitor well</td> </tr> <tr> <td colspan="3">Casing Type Steel (black or low carbon) <input type="checkbox"/> Joint Threaded <input type="checkbox"/> Drive Shoe? <input type="checkbox"/> Yes <input type="checkbox"/> No No Above/Below ft.</td> </tr> <tr> <td style="text-align: center;">Casing Diameter</td> <td style="text-align: center;">Weight</td> <td style="text-align: center;">Hole Diameter</td> </tr> <tr> <td style="text-align: center;">2 in. to 5.5 ft.</td> <td style="text-align: center;">lbs./ft.</td> <td style="text-align: center;">8 in. to 8 ft.</td> </tr> <tr> <td colspan="3">Open Hole from ft. to ft.</td> </tr> <tr> <td colspan="3">Screen YES Make US FILTER Type plastic</td> </tr> <tr> <td style="text-align: center;">Diameter</td> <td style="text-align: center;">Slot/Gauze</td> <td style="text-align: center;">Length</td> <td style="text-align: center;">Set Between</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">10</td> <td style="text-align: center;">2.5</td> <td style="text-align: center;">5.5 ft. and 8 ft.</td> </tr> <tr> <td colspan="3">Static Water Level ft. from Date Measured</td> </tr> <tr> <td colspan="3">PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.</td> </tr> <tr> <td colspan="3">Well Head Completion Pitless adapter manufacturer Model <input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)</td> </tr> <tr> <td colspan="3">Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Other from 0 to 4.7 ft. 2 bags</td> </tr> <tr> <td colspan="3">Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</td> </tr> <tr> <td colspan="3">Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number ___ HP ___ Volts Length of drop Pipe ft. 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Minnesota Unique Well No.

625008

County Hennepin
 Quad St Paul West
 Quad ID 103B

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
 Minnesota Statutes Chapter 103I

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MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date 08/24/2000
 Update Date 04/23/2009
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Minnesota Statutes Chapter 103I

<p>Well Name MINNEHAHA FALLS PARK, MW-5A Township Range Dir Section Subsections Elevation 770 ft. 28 23 W 17 CBCA Elevation Method Calc from DEM (USGS 7.5 min or equiv.)</p>	<p>Well Depth 8 ft. Depth Completed 8 ft. Date Well Completed 02/22/2000 Drilling Method Auger (non-specified)</p>
<p>Well Address 5101 MINNEHAHA AV MINNEAPOLIS MN</p> <p>Geological Material SILTY SAND FINE SAND, TRACE GRAVEL, DENSE FINE TO MED SAND & GRAVEL LOOSE LIMESTONE EOB</p> <p>Color BLACK BROWN BROWN BROWN HARD</p> <p>Hardness 0 2 5 5 6 6 8</p> <p>From To 2 5 6 8</p>	<p>Drilling Fluid --</p> <p>Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From Ft. to Ft.</p> <p>Use Monitor well</p> <p>Casing Type Steel (black or low carbon) Joint Threaded Drive Shoe? <input type="checkbox"/> Yes <input type="checkbox"/> No Above/Below ft.</p> <p>Casing Diameter 2 in. to 5.2 ft. Weight lbs./ft. Hole Diameter 8 in. to 8 ft.</p> <p>Open Hole from ft. to ft.</p> <p>Screen YES Make US FILTER Type plastic</p> <p>Diameter 2 Slot/Gauze 10 Length 2.5 Set Between 5.2 ft. and 7.7 ft.</p> <p>Static Water Level 5.3 ft. from Land surface Date Measured 02/22/2000</p> <p>PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.</p> <p>Well Head Completion Pitless adapter manufacturer Model <input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)</p>
<p>REMARKS SEE MAP OWNER'S ADDIT'L LOCATION INFO: 200 GRAIN EXCHANGE. STS PROJECT # D10280 MW5A CASING: 6" PROTOP</p> <p>Located by: Minnesota Department of Health Method: Digitization (Screen) - Map (1:24,000) Unique Number Verification: N/A Input Date: 05/03/2005 System: UTM - Nad83, Zone15, Meters X: 483726 Y: 4972991</p>	<p>Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Other from 0 to 4.5 ft. 2 bags</p> <p>Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number HP Volts Length of drop Pipe ft. Capacity g.p.m. Type Material</p> <p>Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Well Contractor Certification STS Consultants, Ltd. M0150 DAVIS, G. License Business Name Lic. Or Reg. No. Name of Driller</p>
<p>First Bedrock Last Strat</p> <p>Aquifer Depth to Bedrock ft.</p>	<p>County Well Index Online Report 625009 Printed 5/27/2010 HE-01205-07</p>

Minnesota Unique Well No.

625010

County Hennepin
 Quad St Paul West
 Quad ID 103B

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date 08/24/2000
 Update Date 05/20/2005
 Received Date

Minnesota Statutes Chapter 103I

Well Name MINNEHAHA FALLS PARK Township Range Dir Section Subsections Elevation 770 ft. 28 23 W 17 CBCA Elevation Method (USGS 7.5 min or equiv.)		Well Depth 35 ft. Depth Completed 33 ft. Date Well Completed 02/22/2000
Well Address 5101 MINNEHAHA AV MINNEAPOLIS MN		Drilling Method Auger (non-specified)
Geological Material TOPSOIL SAND AND GRAVEL DENSE PLATTEVILLE LIMESTONE GLENWOOD SHALE EOB		Color BLACK BROWN GRAY Hardness MEDIUM HARD From To 0 2 2 6 6 35 35 35
Drilling Fluid --		Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From Ft. to Ft.
Use Monitor well		Casing Type Steel (black or low carbon) Joint Threaded Drive Shoe? <input type="checkbox"/> Yes <input type="checkbox"/> No Above/Below ft.
Casing Diameter 2 in. to 13 ft. Weight lbs./ft. Hole Diameter 8 in. to 6.5 ft. 6 in. to 35 ft.		Open Hole from ft. to ft.
Screen YES Make US FILTER (WIRE W Type stainless steel)		Diameter 2 Slot/Gauze 10 Length 20 Set Between 13 ft. and 33 ft.
Static Water Level 5.3 ft. from Land surface Date Measured 02/22/2000		PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.
Well Head Completion Pitless adapter manufacturer Model <input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from 0 to 11.5 ft. 5 bags
REMARKS OWNER'S ADDIT'L LOCATION INFO: 200 GRAIN EXCHANGE STS PROJECT # D10280 MW5B SEE MAP CASING: 6" PROTOP Located by: Minnesota Department of Health Method: GPS SA Off (averaged) Unique Number Verification: N/A Input Date: 05/03/2005 System: UTM - Nad83, Zone15, Meters X: 483724 Y: 4973001		Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
First Bedrock Last Strat		Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number HP Volts Length of drop Pipe ft. Capacity g.p.m Type Material
Aquifer Depth to Bedrock ft.		Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
County Well Index Online Report		Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Well Contractor Certification STS Consultants, Ltd. M0150 DAVIS, G. License Business Name Lic. Or Reg. No. Name of Driller		625010 Printed 5/27/2010 HE-01205-07

Minnesota Unique Well No.

673159

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
 Minnesota Statutes Chapter 103I

Entry Date 03/08/2002
 Update Date 03/11/2005
 Received Date

<p>Well Name MENDOTA HOMES INC</p> <p>Township Range Dir Section Subsections Elevation ft.</p> <p>28 23 W 16 Elevation Method</p>	<p>Well Depth</p> <p>37 ft.</p>	<p>Depth Completed</p> <p>35 ft.</p>	<p>Date Well Completed</p> <p>11/30/2001</p>
<p>Drilling Method Cable Tool</p>			
<p>Well Address</p> <p>1941 FORD PK ST PAUL MN</p>	<p>Drilling Fluid</p> <p>--</p>		
<p>Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>From Ft. to Ft.</p>			
<p>Use Elevator</p>			
<p>Geological Material</p> <p>SAND CLAY/GRAVEL SHALE</p>	<p>Color</p> <p>BROWN BROWN GRAY</p>	<p>Hardness</p> <p>SOFT MEDIUM HARD</p>	<p>From To</p> <p>0 3 3 15 15 37</p>
<p>Casing Type Steel (black or low carbon) Joint Welded <input type="checkbox"/> Drive Shoe? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>No Above/Below ft.</p>			
<p>Casing Diameter 20 in. to 37 ft. Weight 78.6 lbs./ft. Hole Diameter</p>			
<p>Open Hole from ft. to ft.</p>			
<p>Screen Make Type</p>			
<p>Diameter Slot/Gauze Length Set Between</p>			
<p>Static Water Level</p> <p>ft. from Date Measured</p>			
<p>PUMPING LEVEL (below land surface)</p> <p>ft. after hrs. pumping g.p.m.</p>			
<p>Well Head Completion</p> <p>Pitless adapter manufacturer Model</p> <p><input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade</p> <p><input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)</p>			
<p>REMARKS</p> <p>PIT 4' BELOW GRADE</p>	<p>Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Grout Material: Neat Cement from 35 to 37 ft. 3 bags</p>		
<p>Nearest Known Source of Contamination</p> <p>_feet _direction _type</p> <p>Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>			
<p>Pump <input type="checkbox"/> Not Installed Date Installed</p> <p>Manufacturer's name Model number HP Volts</p> <p>Length of drop Pipe ft. Capacity g.p.m. Type Material</p>			
<p>Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>			
<p>Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>			
<p>First Bedrock</p> <p>Last Strat</p>	<p>Well Contractor Certification</p> <p>Midwest Drilling L0004 VOLKENANT, J.</p> <p>License Business Name Lic. Or Reg. No. Name of Driller</p>		
<p>County Well Index Online Report</p>		<p>673159</p>	<p>Printed 8/9/2010 HE-01205-07</p>

Minnesota Unique Well No.

726112

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
 Minnesota Statutes Chapter 103I

Entry Date 06/16/2006
 Update Date 06/20/2006
 Received Date 01/18/2006

Well Name MESSIAH EPISCOPAL CHURCH Township Range Dir Section Subsections Elevation ft. 28 23 W 16 Elevation Method	Well Depth 26 ft.	Depth Completed 24 ft.	Date Well Completed 07/13/2005	
Drilling Method Cable Tool				
Well Address 1631 FORD PK ST PAUL MN Geological Material SAND Color BROWN Hardness SOFT From 0 To 26	Drilling Fluid --		Well Hydrofractured? <input type="checkbox"/> Yes <input type="checkbox"/> No From Ft. to Ft.	
	Use Elevator			
	Casing Type Steel (black or low carbon) Joint Welded Drive Shoe? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No No Above/Below ft.			
	Casing Diameter 20 in. to 24 ft.		Weight 78.6 lbs./ft.	Hole Diameter
	Open Hole from ft. to ft.			
	Screen Make Type Diameter Slot/Gauze Length Set Between			
	Static Water Level 0 ft. from Land surface Date Measured 07/13/2005			
	PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.			
	Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)			
	REMARKS PIT 4' BELOW GRADE	Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from 24 to 26 ft. 3 bags		
Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No				
Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number __ HP __ Volts Length of drop Pipe ft. Capacity g.p.m Type Material				
Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No				
Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input type="checkbox"/> No				
First Bedrock Last Strat	Aquifer Depth to Bedrock ft.	Well Contractor Certification Midwest Drilling L0004 STANGRET_S License Business Name Lic. Or Reg. No. Name of Driller		
County Well Index Online Report		726112	Printed 8/9/2010 HE-01205-07	

Minnesota Unique Well No.

751320

County Morrison
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date 10/16/2008
 Update Date 10/16/2008
 Received Date 08/20/2007

Minnesota Statutes Chapter 103I

Well Name MORRISON COUNTY Township Range Dir Section Subsections Elevation ft. 40 32 W 23 CBD Elevation Method		Well Depth 1850 ft.	Depth Completed 180 ft.	Date Well Completed 06/13/2007
Well Address 17508 IRIS RD LITTLE FALLS MN 56345		Drilling Method Other		
Geological Material TOP SOIL SILTY SAND MED SAND BEDROCK		Color BLACK BROWN BROWN GRAY	Hardness SOFT MEDIUM MEDIUM HARD	From To 0 2 2 75 75 108 108 185
Use Monitor well		Drilling Fluid --		
Casing Type Steel (black or low carbon) Joint Threaded Drive Shoe? <input type="checkbox"/>		Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From Ft. to Ft.		
Casing Diameter Weight Hole Diameter 2 in. to 170 ft. lbs./ft. 6 in. to 185 ft.		Casing Type Steel (black or low carbon) Joint Threaded Drive Shoe? <input type="checkbox"/>		
Open Hole from ft. to ft.		Yes <input checked="" type="checkbox"/> No Above/Below ft.		
Screen YES Make JOHNSON Type stainless steel		Casing Diameter Weight Hole Diameter 2 in. to 170 ft. lbs./ft. 6 in. to 185 ft.		
Diameter Slot/Gauze Length Set Between 2 10 10 170 ft. and 180 ft.		Static Water Level 172 ft. from Land surface Date Measured 06/13/2007		
PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.		Well Head Completion Pitless adapter manufacturer Model <input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
REMARKS 3411-0168 MW-28		Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from to 163 ft. 25 bags		
Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number HP Volts Length of drop Pipe ft. Capacity g.p.m. Type Material		
Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No		
Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Well Contractor Certification Boart Longyear 2022 BIERMAIER, M License Business Name Lic. Or Reg. No. Name of Driller		
First Bedrock Aquifer Last Strat Depth to Bedrock ft.		County Well Index Online Report		
751320		Printed 10/14/2010 HE-01205-07		

Minnesota Unique Well No.

751330

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
 Minnesota Statutes Chapter 103I

Entry Date 07/30/2008
 Update Date 08/01/2008
 Received Date 08/20/2007

<p>Well Name FORD MOTOR CO. Township Range Dir Section Subsections Elevation ft. 28 23 W 17 BAD Elevation Method</p> <p>Well Address 966 MISSISSIPPI BL S MN</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Geological Material</th> <th>Color</th> <th>Hardness</th> <th>From</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>FILL</td> <td>BLACK</td> <td>SOFT</td> <td>0</td> <td>8</td> </tr> <tr> <td>SHALE</td> <td>GRAY</td> <td>HARD</td> <td>8</td> <td>16</td> </tr> <tr> <td>LIMESTONE</td> <td>WHITE</td> <td>HARD</td> <td>16</td> <td>38</td> </tr> <tr> <td>SHALE</td> <td>GRAY</td> <td>HARD</td> <td>38</td> <td>43</td> </tr> </tbody> </table>	Geological Material	Color	Hardness	From	To	FILL	BLACK	SOFT	0	8	SHALE	GRAY	HARD	8	16	LIMESTONE	WHITE	HARD	16	38	SHALE	GRAY	HARD	38	43	<p>Well Depth 43 ft. Depth Completed 40 ft. Date Well Completed 07/04/2007</p> <p>Drilling Method Vibracore/rotasonic</p> <p>Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From Ft. to Ft.</p> <p>Use Monitor well</p> <p>Casing Type Steel (black or low carbon) Joint Threaded <input type="checkbox"/> Drive Shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Above/Below ft.</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Casing Diameter</th> <th>Weight</th> <th>Hole Diameter</th> </tr> </thead> <tbody> <tr> <td>2 in. to 30 ft.</td> <td>lbs./ft.</td> <td>6 in. to 43 ft.</td> </tr> </tbody> </table> <p>Open Hole from ft. to ft.</p> <p>Screen YES Make JOHNSON Type stainless steel</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Diameter</th> <th>Slot/Gauze</th> <th>Length</th> <th>Set Between</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>10</td> <td>10</td> <td>30 ft. and 40 ft.</td> </tr> </tbody> </table> <p>Static Water Level 31 ft. from Land surface Date Measured 07/04/2007</p> <p>PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.</p> <p>Well Head Completion Pitless adapter manufacturer Model <input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)</p> <p>Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from to 26 ft. 4 bags</p> <p>Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Pump <input type="checkbox"/> Not Installed .Date Installed Manufacturer's name Model number __ HP _ Volts Length of drop Pipe _ft. Capacity _g.p.m Type Material</p> <p>Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Well Contractor Certification Board Longyear 2022 DOUCETTE, J. License Business Name Lic. Or Reg. No. Name of Driller</p>	Casing Diameter	Weight	Hole Diameter	2 in. to 30 ft.	lbs./ft.	6 in. to 43 ft.	Diameter	Slot/Gauze	Length	Set Between	2	10	10	30 ft. and 40 ft.
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<p>REMARKS AMW-2 3411-0171</p>	<p>First Bedrock Aquifer Last Strat Depth to Bedrock ft.</p>																																							
<p>County Well Index Online Report</p>																																								
<p>751330</p>																																								
<p>Printed 5/27/2010 HE-01205-07</p>																																								

Minnesota Unique Well No.

751331

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date 08/01/2008
 Update Date 06/24/2009
 Received Date 08/20/2007

Minnesota Statutes Chapter 103I

<p>Well Name FORD MOTOR CO. Township Range Dir Section Subsections Elevation ft. 28 23 W 17 BAD Elevation Method</p> <p>Well Address 966 MISSISSIPPI RD S ST PAUL MN 55116</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Geological Material</th> <th style="text-align: left;">Color</th> <th style="text-align: left;">Hardness</th> <th style="text-align: left;">From</th> <th style="text-align: left;">To</th> </tr> </thead> <tbody> <tr> <td>FILL</td> <td>BLACK</td> <td>SOFT</td> <td>0</td> <td>4</td> </tr> <tr> <td>SHALE</td> <td>GRAY</td> <td>HARD</td> <td>4</td> <td>14</td> </tr> <tr> <td>LIMESTONE</td> <td>WHITE</td> <td>HARD</td> <td>14</td> <td>40</td> </tr> <tr> <td>SHALE</td> <td>GRAY</td> <td>HARD</td> <td>40</td> <td>43</td> </tr> </tbody> </table>	Geological Material	Color	Hardness	From	To	FILL	BLACK	SOFT	0	4	SHALE	GRAY	HARD	4	14	LIMESTONE	WHITE	HARD	14	40	SHALE	GRAY	HARD	40	43	<p>Well Depth 43 ft. Depth Completed 40 ft. Date Well Completed 07/04/2007</p> <p>Drilling Method Vibracore/rotasonic</p> <p>Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From Ft. to Ft.</p> <p>Use Monitor well</p> <p>Casing Type Steel (black or low carbon) Joint Solvent Welded Drive Shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Above/Below ft.</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Casing Diameter</th> <th style="text-align: left;">Weight</th> <th style="text-align: left;">Hole Diameter</th> </tr> </thead> <tbody> <tr> <td>2 in. to 30 ft.</td> <td>lbs./ft.</td> <td>6 in. to 43 ft.</td> </tr> </tbody> </table> <p>Open Hole from ft. to ft.</p> <p>Screen YES Make JOHNSON Type stainless steel</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Diameter</th> <th style="text-align: left;">Slot/Gauze</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Set Between</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>10</td> <td>10</td> <td>30 ft. and 40 ft.</td> </tr> </tbody> </table> <p>Static Water Level 31 ft. from Land surface Date Measured 07/04/2007</p> <p>PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.</p> <p>Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input checked="" type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)</p> <p>Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from to 26 ft. 4 bags</p> <p>Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Pump <input type="checkbox"/> Not Installed Date installed Manufacturer's name Model number __ HP _ Volts Length of drop Pipe _ft. Capacity _g.p.m Type Material</p> <p>Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Well Contractor Certification Board Longyear 2022 DOUCETTE, J. License Business Name Lic. Or Reg. No. Name of Driller</p>	Casing Diameter	Weight	Hole Diameter	2 in. to 30 ft.	lbs./ft.	6 in. to 43 ft.	Diameter	Slot/Gauze	Length	Set Between	2	10	10	30 ft. and 40 ft.
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<p>REMARKS AMW-6 3411-0171</p>	<p>First Bedrock _____ Aquifer _____ Last Strat _____ Depth to Bedrock ft. _____</p>																																							
<p>County Well Index Online Report</p>																																								
<p>751331</p>																																								
<p>Printed 5/27/2010 HE-01205-07</p>																																								

Minnesota Unique Well No.

751332

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date 08/01/2008
 Update Date 08/01/2008
 Received Date 08/20/2007

Minnesota Statutes Chapter 103I

Well Name FORD MOTOR CO.		Well Depth	Depth Completed	Date Well Completed
Township Range Dir Section Subsections Elevation ft.		151 ft.	151 ft.	11/07/2007
28 23 W 17 AAC Elevation Method		Drilling Method Vibracore/rotasonic		
Well Address 966 MISSISSIPPI BL S ST PAUL MN 55116		Drilling Fluid	Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		--	From Ft. to Ft.	
		Use Monitor well		
Geological Material		Casing Type	Joint	Threaded Drive Shoe? <input type="checkbox"/>
SHALE	Color GRAY	Steel (black or low carbon)		
LIMESTONE	Hardness GRAY			
SHALE	From 0			
SANDSTONE	To 16			
	40			
	45			
	151			
		Casing Diameter	Weight	Hole Diameter
		2 in. to 141 ft.	lbs./ft.	6 in. to 151 ft.
		Open Hole from ft. to ft.		
		Screen YES	Make JOHNSON	Type stainless steel
		Diameter	Slot/Gauze	Length
		2	10	10
		Set Between 141 ft. and 151 ft.		
		Static Water Level		
		100 ft. from Land surface Date Measured 11/07/2007		
		PUMPING LEVEL (below land surface)		
		ft. after hrs. pumping g.p.m.		
		Well Head Completion		
		Pitless adapter manufacturer Model		
		<input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade		
		<input checked="" type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
REMARKS		Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
AMW-3B		Grout Material: Neat Cement from to 137 ft. 12 bags		
3411-0171		Nearest Known Source of Contamination		
		_feet _direction _type		
		Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No		
		Pump <input type="checkbox"/> Not Installed Date Installed		
		Manufacturer's name Model number __ HP __ Volts		
		Length of drop Pipe __ ft. Capacity __ g.p.m Type Material		
		Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/>		
		Yes <input checked="" type="checkbox"/> No		
		Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
First Bedrock		Well Contractor Certification		
Last Strat		Boart Longyear 2022 DOUCETTE, J.		
Aquifer		License Business Name Lic. Or Reg. No. Name of Driller		
Depth to Bedrock ft.				
County Well Index Online Report		751332		Printed 5/27/2010 HE-01205-07

Minnesota Unique Well No.

751333

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
 Minnesota Statutes Chapter 103I

Entry Date 08/01/2008
 Update Date 06/24/2009
 Received Date 08/20/2007

<p>Well Name FORD MOTOR CO. Township Range Dir Section Subsections Elevation ft. 28 23 W 17 ADC Elevation Method</p> <p>Well Address 966 MISSISSIPPI BL S ST PAUL MN 55116</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Geological Material</th> <th style="text-align: left;">Color</th> <th style="text-align: left;">Hardness</th> <th style="text-align: left;">From</th> <th style="text-align: left;">To</th> </tr> </thead> <tbody> <tr> <td>SHALE</td> <td>GRAY</td> <td>HARD</td> <td>0</td> <td>16</td> </tr> <tr> <td>LIMESTONE</td> <td>GRAY</td> <td>HARD</td> <td>16</td> <td>40</td> </tr> <tr> <td>SHALE</td> <td>GRAY</td> <td>HARD</td> <td>40</td> <td>40</td> </tr> </tbody> </table>	Geological Material	Color	Hardness	From	To	SHALE	GRAY	HARD	0	16	LIMESTONE	GRAY	HARD	16	40	SHALE	GRAY	HARD	40	40	<p>Well Depth 40 ft. Depth Completed 40 ft. Date Well Completed 07/11/2007</p> <p>Drilling Method Vibracore/rotasonic</p> <p>Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From Ft. to Ft.</p> <p>Use Monitor well</p> <p>Casing Type Steel (black or low carbon) Joint Threaded Drive Shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Above/Below ft.</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Casing Diameter</th> <th style="text-align: left;">Weight</th> <th style="text-align: left;">Hole Diameter</th> </tr> </thead> <tbody> <tr> <td>2 in. to 30 ft.</td> <td>lbs./ft.</td> <td>6 in. to 40 ft.</td> </tr> </tbody> </table> <p>Open Hole from ft. to ft.</p> <p>Screen YES Make JOHNSON Type stainless steel</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Diameter</th> <th style="text-align: left;">Slot/Gauze</th> <th style="text-align: left;">Length</th> <th style="text-align: left;">Set Between</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>10</td> <td>10</td> <td>30 ft. and 40 ft.</td> </tr> </tbody> </table> <p>Static Water Level 18 ft. from Land surface Date Measured 07/11/2007</p> <p>PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.</p> <p>Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input checked="" type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)</p> <p>Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from to 26 ft. 4 bags</p> <p>Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number __ HP _ Volts Length of drop Pipe _ft. Capacity _g.p.m Type Material</p> <p>Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>Well Contractor Certification Board Longyear 2022 DOUCETTE, J. License Business Name Lic. Or Reg. No. Name of Driller</p>	Casing Diameter	Weight	Hole Diameter	2 in. to 30 ft.	lbs./ft.	6 in. to 40 ft.	Diameter	Slot/Gauze	Length	Set Between	2	10	10	30 ft. and 40 ft.
Geological Material	Color	Hardness	From	To																															
SHALE	GRAY	HARD	0	16																															
LIMESTONE	GRAY	HARD	16	40																															
SHALE	GRAY	HARD	40	40																															
Casing Diameter	Weight	Hole Diameter																																	
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Diameter	Slot/Gauze	Length	Set Between																																
2	10	10	30 ft. and 40 ft.																																
<p>REMARKS AMW-3A 3411-0171</p>	<p>Well Contractor Certification Board Longyear 2022 DOUCETTE, J. License Business Name Lic. Or Reg. No. Name of Driller</p>																																		
<p>First Bedrock Last Strat</p>	<p>Aquifer Depth to Bedrock ft.</p>																																		
<p>County Well Index Online Report</p>																																			
<p>751333</p>																																			
<p>Printed 5/27/2010 HE-01205-07</p>																																			

Minnesota Unique Well No.

751334

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date 08/01/2008
 Update Date 06/23/2009
 Received Date 08/20/2007

Minnesota Statutes Chapter 103I

Well Name FORD MOTOR CO. Township Range Dir Section Subsections Elevation ft. 28 23 W 17 DAA Elevation Method	Well Depth 61 ft. Depth Completed 60 ft. Date Well Completed 07/11/2007 Drilling Method Vibracore/rotasonic
Well Address 966 MISSISSIPPI BL S ST PAUL MN Geological Material Color Hardness From To SAHLE GRAY HARD 0 26 LIMESTONE GRAY HARD 26 59 SHALE GRAY HARD 59 61	Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From Ft. to Ft. Use Monitor well Casing Type Steel (black or low carbon) Joint Threaded Drive Shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Above/Below ft.
	Casing Diameter Weight Hole Diameter 2 in. to 50 ft. lbs./ft. 6 in. to 61 ft.
	Open Hole from ft. to ft. Screen YES Make JOHNSON Type stainless steel Diameter Slot/Gauze Length Set Between 2 10 10 50 ft. and 60 ft.
	Static Water Level 38.9 ft. from Land surface Date Measured 07/11/2007 PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.
	Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input checked="" type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)
REMARKS AMW-4 3411-0171	Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from to 46 ft. 5 bags Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number HP Volts Length of drop Pipe _ft. Capacity _g.p.m Type Material
	Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input type="checkbox"/> No
	Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Well Contractor Certification License Business Name Lic. Or Reg. No. Name of Driller _____ _____ DOUCETTE, J.
First Bedrock Last Strat Aquifer Depth to Bedrock ft.	Printed 5/27/2010 HE-01205-07
County Well Index Online Report	751334

Minnesota Unique Well No.

751335

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date 08/01/2008
 Update Date 06/23/2009
 Received Date 08/20/2007

Minnesota Statutes Chapter 103I

Well Name FORD MOTOR CO. Township Range Dir Section Subsections Elevation ft. 28 23 W 17 DBC Elevation Method	Well Depth 95 ft. Depth Completed 89 ft. Date Well Completed 07/11/2007 Drilling Method Vibracore/rotasonic																									
Well Address 966 MISSISSIPPI BL S ST PAUL MN	Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From Ft. to Ft.																									
<table border="0" style="width:100%;"> <tr> <td style="width:25%;">Geological Material</td> <td style="width:15%;">Color</td> <td style="width:15%;">Hardness</td> <td style="width:10%;">From</td> <td style="width:10%;">To</td> </tr> <tr> <td>FILL</td> <td>BLACK</td> <td>SOFT</td> <td>0</td> <td>3</td> </tr> <tr> <td>SHALE</td> <td>GRAY</td> <td>HARD</td> <td>3</td> <td>28</td> </tr> <tr> <td>LIMESTONE</td> <td>GRAY</td> <td>HARD</td> <td>28</td> <td>90</td> </tr> <tr> <td>SHALE</td> <td>GRAY</td> <td>HARD</td> <td>90</td> <td>95</td> </tr> </table>	Geological Material	Color	Hardness	From	To	FILL	BLACK	SOFT	0	3	SHALE	GRAY	HARD	3	28	LIMESTONE	GRAY	HARD	28	90	SHALE	GRAY	HARD	90	95	Use Monitor well Casing Type Steel (black or low carbon) Joint Threaded Drive Shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Above/Below ft.
Geological Material	Color	Hardness	From	To																						
FILL	BLACK	SOFT	0	3																						
SHALE	GRAY	HARD	3	28																						
LIMESTONE	GRAY	HARD	28	90																						
SHALE	GRAY	HARD	90	95																						
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Casing Diameter	Weight	Hole Diameter																								
2 in. to 79 ft.	lbs./ft.	6 in. to 95 ft.																								
	Open Hole from ft. to ft. Screen YES Make JOHNSON Type stainless steel Diameter 2 Slot/Gauze 10 Length 10 Set Between 79 ft. and 89 ft.																									
	Static Water Level 77 ft. from Land surface Date Measured 07/11/2007																									
	PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.																									
	Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input checked="" type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)																									
REMARKS AMW-9 3411-0171	Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from to 75 ft. 8 bags																									
	Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																									
	Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number HP Volts Length of drop Pipe _ft. Capacity g.p.m Type Material																									
	Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																									
	Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																									
First Bedrock Last Strat	Well Contractor Certification Board Longyear 2022 DOUCETTE, J. License Business Name Lic. Or Reg. No. Name of Driller																									
County Well Index Online Report	751335																									
	Printed 5/27/2010 HE-01205-07																									

Minnesota Unique Well No.

751336

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date 08/01/2008
 Update Date 06/23/2009
 Received Date 08/20/2007

Minnesota Statutes Chapter 103I

<p>Well Name FORD MOTOR CO. Township Range Dir Section Subsections Elevation ft. 28 23 W 17 DBC Elevation Method</p>	<p>Well Depth 48 ft. Depth Completed 45 ft. Date Well Completed 07/11/2007</p>																									
<p>Drilling Method Vibracore/rotasonic</p>																										
<p>Well Address 966 MISSISSIPPI BL S ST PAUL MN 55116</p>	<p>Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From Ft. to Ft.</p>																									
<p>Use Monitor well</p>																										
<p>Geological Material</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;"></th> <th style="width:10%;">Color</th> <th style="width:10%;">Hardness</th> <th style="width:10%;">From</th> <th style="width:10%;">To</th> </tr> </thead> <tbody> <tr> <td>GRAVEL</td> <td>BLACK</td> <td>MEDIUM</td> <td>0</td> <td>6</td> </tr> <tr> <td>SHALE</td> <td>GRAY</td> <td>HARD</td> <td>6</td> <td>28</td> </tr> <tr> <td>LIMESTONE</td> <td>GRAY</td> <td>HARD</td> <td>28</td> <td>41</td> </tr> <tr> <td>SHALE</td> <td>GRAY</td> <td>HARD</td> <td>41</td> <td>48</td> </tr> </tbody> </table>		Color	Hardness	From	To	GRAVEL	BLACK	MEDIUM	0	6	SHALE	GRAY	HARD	6	28	LIMESTONE	GRAY	HARD	28	41	SHALE	GRAY	HARD	41	48	<p>Casing Type Steel (black or low carbon) Joint Threaded Drive Shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Above/Below ft.</p>
	Color	Hardness	From	To																						
GRAVEL	BLACK	MEDIUM	0	6																						
SHALE	GRAY	HARD	6	28																						
LIMESTONE	GRAY	HARD	28	41																						
SHALE	GRAY	HARD	41	48																						
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Casing Diameter</th> <th style="width:30%;">Weight</th> <th style="width:40%;">Hole Diameter</th> </tr> </thead> <tbody> <tr> <td>2 in. to 35 ft.</td> <td>lbs./ft.</td> <td>6 in. to 48 ft.</td> </tr> </tbody> </table>		Casing Diameter	Weight	Hole Diameter	2 in. to 35 ft.	lbs./ft.	6 in. to 48 ft.																			
Casing Diameter	Weight	Hole Diameter																								
2 in. to 35 ft.	lbs./ft.	6 in. to 48 ft.																								
<p>Open Hole from ft. to ft.</p>																										
<p>Screen YES Make JOHNSON Type stainless steel</p>																										
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;">Diameter</th> <th style="width:15%;">Slot/Gauze</th> <th style="width:15%;">Length</th> <th style="width:55%;">Set Between</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>10</td> <td>10</td> <td>35 ft. and 45 ft.</td> </tr> </tbody> </table>		Diameter	Slot/Gauze	Length	Set Between	2	10	10	35 ft. and 45 ft.																	
Diameter	Slot/Gauze	Length	Set Between																							
2	10	10	35 ft. and 45 ft.																							
<p>Static Water Level 36.6 ft. from Land surface Date Measured 07/11/2007</p>																										
<p>PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.</p>																										
<p>Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input checked="" type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)</p>																										
<p>REMARKS AMW-8 3411-0171</p>	<p>Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from to 31 ft. 3 bags</p>																									
<p>Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>																										
<p>Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number HP Volts Length of drop Pipe ft. Capacity g.p.m. Type Material</p>																										
<p>Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>																										
<p>Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>																										
<p>Well Contractor Certification</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;">Boart Longyear</td> <td style="width:30%;">2022</td> <td style="width:40%;">DOUCETTE, J.</td> </tr> <tr> <td>License Business Name</td> <td>Lic. Or Reg. No.</td> <td>Name of Driller</td> </tr> </table>		Boart Longyear	2022	DOUCETTE, J.	License Business Name	Lic. Or Reg. No.	Name of Driller																			
Boart Longyear	2022	DOUCETTE, J.																								
License Business Name	Lic. Or Reg. No.	Name of Driller																								
<p>First Bedrock Last Strat</p>	<p>Aquifer Depth to Bedrock ft.</p>																									
<p>County Well Index Online Report 751336 Printed 5/27/2010 HE-01205-07</p>																										

Minnesota Unique Well No.

751337

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date 08/01/2008
 Update Date 08/01/2008
 Received Date 08/20/2007

Minnesota Statutes Chapter 103I

Well Name FORD MOTOR CO.		Well Depth	Depth Completed	Date Well Completed
Township Range Dir Section Subsections Elevation ft.		42 ft.	39 ft.	07/11/2007
28 23 W 17 DBB Elevation Method		Drilling Method Vibracore/rotasonic		
Well Address 966 MISSISSIPPI BL S ST PAUL MN 55116		Drilling Fluid	Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
		--	From Ft. to Ft.	
Geological Material		Use Monitor well		
FILL	Color BLACK	Hardness MEDIUM	From 0	To 8
SHALE	GRAY	HARD	8	17
LIMESTONE	GRAY	HARD	17	39
SHALE	GRAY	HARD	39	42
		Casing Type	Steel (black or low carbon)	Joint Threaded Drive Shoe? <input type="checkbox"/>
		Yes <input checked="" type="checkbox"/> No	Above/Below ft.	
		Casing Diameter	Weight	Hole Diameter
		2 in. to 29 ft.	lbs./ft.	6 in. to 42 ft.
		Open Hole from ft. to ft.		
		Screen YES	Make JOHNSON	Type stainless steel
		Diameter	Slot/Gauze	Length Set Between
		0		0 ft. and 0 ft.
		Static Water Level		
		21 ft. from Land surface Date Measured 07/11/2007		
		PUMPING LEVEL (below land surface)		
		ft. after hrs. pumping g.p.m.		
		Well Head Completion		
		Pitless adapter manufacturer Model		
		<input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade		
		<input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
REMARKS		Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
AMW-1		Grout Material: Neat Cement from to 23 ft. 2 bags		
3411-0171		Nearest Known Source of Contamination		
		_feet _direction _type		
		Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
		Pump <input type="checkbox"/> Not Installed Date Installed		
		Manufacturer's name Model number __ HP __ Volts		
		Length of drop Pipe __ ft. Capacity __ g.p.m. __ Type Material		
		Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/>		
		Yes <input checked="" type="checkbox"/> No		
		Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
First Bedrock		Well Contractor Certification		
Last Strat		Boart Longyear 2022 DOUCETTE, J.		
Aquifer		License Business Name Lic. Or Reg. No. Name of Driller		
Depth to Bedrock ft.				
County Well Index Online Report		751337		Printed 5/27/2010 HE-01205-07

Minnesota Unique Well No.

751338

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

Entry Date 08/01/2008
 Update Date 06/23/2009
 Received Date 08/20/2007

Minnesota Statutes Chapter 103I

Well Name FORD MOTOR CO. Township Range Dir Section Subsections Elevation ft. 28 23 W 17 DBC Elevation Method		Well Depth 45 ft. Depth Completed 45 ft. Date Well Completed 07/11/2007
Well Address 966 MISSISSIPPI BL S ST PAUL MN 55116		Drilling Method Vibracore/rotasonic Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From Ft. to Ft.
Geological Material FILL SANDSTONE		Use Monitor well Casing Type Steel (black or low carbon) Joint Threaded Drive Shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Above/Below ft.
Color GRAY Hardness HARD From 0 To 37 37 45	Casing Diameter 2 in. to 35 ft. Weight lbs./ft. Hole Diameter 6 in. to 45 ft.	
Open Hole from ft. to ft.		
Screen YES Make JOHNSON Type stainless steel Diameter 2 Slot/Gauze 10 Length 10 Set Between 35 ft. and 45 ft.		
Static Water Level 42.5 ft. from Land surface Date Measured 07/11/2007		
PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.		
Well Head Completion Pitless adapter manufacturer Model <input type="checkbox"/> Casing Protection <input type="checkbox"/> 12 in. above grade <input checked="" type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)		
REMARKS AMW-07 3411-0171		Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from to 30 ft. 4 bags
Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number __ HP __ Volts Length of drop Pipe __ ft. Capacity __ g.p.m Type Material		
Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
First Bedrock Last Strat		Well Contractor Certification Boart Longyear 2022 DOUCETTE, J. License Business Name Lic. Or Reg. No. Name of Driller
County Well Index Online Report		751338 Printed 5/27/2010 HE-01205-07

Minnesota Unique Well No.

756581

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH
**WELL AND BORING
 RECORD**

Entry Date 08/01/2008
 Update Date 06/17/2009
 Received Date 08/20/2007

Minnesota Statutes Chapter 103I

<p>Well Name FORD MOTOR CO. Township Range Dir Section Subsections Elevation ft. 28 23 W 17 BDD Elevation Method</p>	<p>Well Depth 55 ft. Depth Completed 54 ft. Date Well Completed 07/19/2007</p>																				
<p>Drilling Method Vibracore/rotasonic</p>																					
<p>Well Address 966 MISSISSIPPI BL ST PAUL MN 55116</p>	<p>Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From Ft. to Ft.</p>																				
<p>Use Monitor well</p>																					
<p>Geological Material</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;"></th> <th style="width:10%;">Color</th> <th style="width:10%;">Hardness</th> <th style="width:10%;">From</th> <th style="width:10%;">To</th> </tr> </thead> <tbody> <tr> <td>FILL</td> <td>BROWN</td> <td>MEDIUM</td> <td>0</td> <td>10</td> </tr> <tr> <td>SAND & CLAY</td> <td>BROWN</td> <td>MEDIUM</td> <td>10</td> <td>25</td> </tr> <tr> <td>SANDSTONE</td> <td>TAN</td> <td>HARD</td> <td>25</td> <td>55</td> </tr> </tbody> </table>		Color	Hardness	From	To	FILL	BROWN	MEDIUM	0	10	SAND & CLAY	BROWN	MEDIUM	10	25	SANDSTONE	TAN	HARD	25	55	<p>Casing Type Steel (black or low carbon) Joint Threaded <input type="checkbox"/> Drive Shoe? <input type="checkbox"/> Yes <input type="checkbox"/> No Above/Below ft.</p>
	Color	Hardness	From	To																	
FILL	BROWN	MEDIUM	0	10																	
SAND & CLAY	BROWN	MEDIUM	10	25																	
SANDSTONE	TAN	HARD	25	55																	
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;">Casing Diameter</th> <th style="width:30%;">Weight</th> <th style="width:40%;">Hole Diameter</th> </tr> </thead> <tbody> <tr> <td>2 in. to 44 ft.</td> <td>lbs./ft.</td> <td>6 in. to 55 ft.</td> </tr> </tbody> </table>		Casing Diameter	Weight	Hole Diameter	2 in. to 44 ft.	lbs./ft.	6 in. to 55 ft.														
Casing Diameter	Weight	Hole Diameter																			
2 in. to 44 ft.	lbs./ft.	6 in. to 55 ft.																			
<p>Open Hole from ft. to ft.</p>																					
<p>Screen YES Make JOHNSON Type stainless steel</p>																					
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;">Diameter</th> <th style="width:15%;">Slot/Gauze</th> <th style="width:15%;">Length</th> <th style="width:55%;">Set Between</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>10</td> <td>10</td> <td>44 ft. and 54 ft.</td> </tr> </tbody> </table>		Diameter	Slot/Gauze	Length	Set Between	2	10	10	44 ft. and 54 ft.												
Diameter	Slot/Gauze	Length	Set Between																		
2	10	10	44 ft. and 54 ft.																		
<p>Static Water Level 39 ft. from Land surface Date Measured 07/19/2007</p>																					
<p>PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.</p>																					
<p>Well Head Completion Pitless adapter manufacturer Model <input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)</p>																					
<p>REMARKS MW-5, 3411-0171</p>	<p>Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from to 37 ft. 4 bags</p>																				
<p>Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>																					
<p>Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number HP Volts Length of drop Pipe ft. Capacity g.p.m Type Material</p>																					
<p>Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>																					
<p>Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>																					
<p>Well Contractor Certification</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:30%;"><u>Boart Longyear</u></td> <td style="width:30%;"><u>2022</u></td> <td style="width:40%;"><u>DUSHER, D.</u></td> </tr> <tr> <td>License Business Name</td> <td>Lic. Or Reg. No.</td> <td>Name of Driller</td> </tr> </table>		<u>Boart Longyear</u>	<u>2022</u>	<u>DUSHER, D.</u>	License Business Name	Lic. Or Reg. No.	Name of Driller														
<u>Boart Longyear</u>	<u>2022</u>	<u>DUSHER, D.</u>																			
License Business Name	Lic. Or Reg. No.	Name of Driller																			
<p>First Bedrock Last Strat</p>	<p>Aquifer Depth to Bedrock ft.</p>																				
<p>County Well Index Online Report</p>																					
<p>756581</p>																					
<p>Printed 5/27/2010 HE-01205-07</p>																					

Minnesota Unique Well No.

756582

County Ramsey
 Quad
 Quad ID

MINNESOTA DEPARTMENT OF HEALTH
WELL AND BORING RECORD
 Minnesota Statutes Chapter 103I

Entry Date 08/01/2008
 Update Date 06/17/2009
 Received Date 08/20/2007

Well Name FORD MOTOR CO. Township Range Dir Section Subsections Elevation ft. 28 23 W 17 BDD Elevation Method		Well Depth 40 ft. Depth Completed 40 ft. Date Well Completed 07/20/2007
Well Address 966 MISSISSIPPI RIVER BL ST PAUL MN 55116		Drilling Method Vibracore/rotasonic Drilling Fluid -- Well Hydrofractured? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No From Ft. to Ft.
Geological Material Color Hardness From To FILL BLACK HARD 0 6 SILTY SAND BROWN HARD 6 20 LIMESTONE GRAY HARD 20 40		Use Monitor well Casing Type Steel (black or low carbon) Joint Threaded Drive Shoe? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Above/Below ft.
		Casing Diameter Weight Hole Diameter 2 in. to 30 ft. lbs./ft. 6 in. to 40 ft.
		Open Hole from ft. to ft. Screen YES Make JOHNSON Type stainless steel Diameter Slot/Gauze Length Set Between 2 10 10 30 ft. and 40 ft.
		Static Water Level 31 ft. from Land surface Date Measured 07/20/2007 PUMPING LEVEL (below land surface) ft. after hrs. pumping g.p.m.
REMARKS MW-10 3411-0171		Well Head Completion Pitless adapter manufacturer Model <input checked="" type="checkbox"/> Casing Protection Y <input checked="" type="checkbox"/> 12 in. above grade <input type="checkbox"/> At-grade (Environmental Wells and Borings ONLY)
		Grouting Information Well Grouted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Grout Material: Neat Cement from to 25 ft. 3 bags
		Nearest Known Source of Contamination _feet _direction _type Well disinfected upon completion? <input type="checkbox"/> Yes <input type="checkbox"/> No
		Pump <input type="checkbox"/> Not Installed Date Installed Manufacturer's name Model number HP Volts Length of drop Pipe ft. Capacity g.p.m Type Material
		Abandoned Wells Does property have any not in use and not sealed well(s)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
		Variance Was a variance granted from the MDH for this well? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
First Bedrock Aquifer Last Strat Depth to Bedrock ft.		Well Contractor Certification Boart Longyear 2022 DUSHER, D. License Business Name Lic. Or Reg. No. Name of Driller
County Well Index Online Report		756582 Printed 5/27/2010 HE-01205-07



Appendix B

Well Receptor Surveys

ARCADIS

Well Receptor Survey

Current Resident
2221 W Pinehurst Ave
St. Paul, MN 55116

Homeowner? Yes No

Tenant? Yes No

Connected to Public Water Supply? Yes No

If so, when? _____

Number of Wells Present at Residence _____ In Use _____ or Abandoned _____

If in use, where are they located? _____

If abandoned, when? _____

Well Use _____
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes No

Do you have a copy of the well abandonment report? Yes No

Would you allow us to collect a sample from your well? Yes No

Basement Present? Yes No

Sump Present? Yes No

Possible Petroleum sources exist on property? *Don't know* Yes No

If so, where? _____

Comments Connected to city water supply - no known well.

(include property use: residential, business, industrial, farmstead)

AUG 31 2010 ✓

ARCADIS

Well Receptor Survey

Current Resident
1025 S Bowdoin St
St. Paul, MN 55116

Homeowner? Yes No

Tenant? Yes No

Connected to Public Water Supply? Yes No

If so, when? 1984

Number of Wells Present at Residence 0 In Use 0 or Abandoned 0

If in use, where are they located? _____

If abandoned, when? _____

Well Use _____
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes No

Do you have a copy of the well abandonment report? Yes No

Would you allow us to collect a sample from your well? Yes No

Basement Present? Yes No

Sump Present? Yes No

Possible Petroleum sources exist on property? Yes No

If so, where? _____

Comments _____

(include property use: residential, business, industrial, farmstead)

ARCADIS

Well Receptor Survey

Building Manager
Highland Park Townhomes
2052 W Montreal Ave
St. Paul, MN 55116

Not building manager
Catherine Taylor

Homeowner? Yes No

Tenant? Yes No

Connected to Public Water Supply? Yes No

If so, when? ?

Number of Wells Present at Residence _____ In Use _____ or Abandoned _____

If in use, where are they located? _____

If abandoned, when? _____

Well Use _____
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes No

Do you have a copy of the well abandonment report? Yes No

Would you allow us to collect a sample from your well? Yes No ?

Basement Present? Yes No

Sump Present? Yes No

Possible Petroleum sources exist on property? Yes No ?

If so, where? _____

Comments These are townhomes and individual owned.

(include property use: residential, business, industrial, farmstead)

JUL 29 2003



ARCADIS

Well Receptor Survey

Current Resident
2146 W Pinehurst Ave
St. Paul, MN 55116

Homeowner? Yes No

Tenant? Yes No

Connected to Public Water Supply? Yes No

If so, when? _____

Number of Wells Present at Residence 2 In Use _____ or Abandoned _____

If in use, where are they located? _____

If abandoned, when? _____

Well Use _____
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes No

Do you have a copy of the well abandonment report? Yes No

Would you allow us to collect a sample from your well? Yes No

Basement Present? Yes No

Sump Present? Yes No

Possible Petroleum sources exist on property? Yes No

If so, where? _____

Comments Residential

(include property use: residential, business, industrial, farmstead)

JUL 26 2010



ARCADIS

Well Receptor Survey

United Auto Workers Local 879
2191 Ford Pkwy
St. Paul, MN 55116

Homeowner? Yes No

Tenant? Yes No

Connected to Public Water Supply? Yes No

If so, when? was sure

None that I am aware of

Number of Wells Present at Residence None In Use _____ or Abandoned _____

If in use, where are they located? _____

If abandoned, when? _____

Well Use _____
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes No

Do you have a copy of the well abandonment report? Yes No

Would you allow us to collect a sample from your well? Yes No

Basement Present? Yes No

Sump Present? Yes unsure No

Possible Petroleum sources exist on property? Yes unknown No

If so, where? _____

Comments I spoke with retiree/former financial secretary & he told me there is a river running under building

(include property use: residential, business, industrial, farmstead)

ARCADIS

JUL 26 2010



Well Receptor Survey

Building Manager
Highland Park Townhomes
994 Cleveland Ave S
St. Paul, MN 55116

Homeowner? Yes No

Tenant? Yes No

Connected to Public Water Supply? Yes No

If so, when? unknown

Number of Wells Present at Residence 0 In Use _____ or Abandoned _____

If in use, where are they located? NA

If abandoned, when? NA

Well Use NA
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes No

Do you have a copy of the well abandonment report? Yes No

Would you allow us to collect a sample from your well? NA Yes No

Basement Present? Yes No

Sump Present? Yes No

Possible Petroleum sources exist on property? Yes No

If so, where? NA

Comments _____

(include property use: residential, business, industrial, farmstead)

JUL 26 2010



ARCADIS

Well Receptor Survey

Building Manager
755 Mt Curve Blvd
St. Paul, MN 55116

Homeowner? Yes No

Tenant? Yes No

Connected to Public Water Supply? Yes No

If so, when? _____

Number of Wells Present at Residence 0 as far as we know In Use _____ or Abandoned _____

If in use, where are they located? _____

If abandoned, when? _____

Well Use _____
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes No *NA*

Do you have a copy of the well abandonment report? Yes No *NA*

Would you allow us to collect a sample from your well? Yes No *NA*

Basement Present? *Building is 5 ft under ground or windows are at waist high* Yes No

Sump Present? Yes No

Possible Petroleum sources exist on property? Yes No

If so, where? _____

Comments _____

(include property use: residential, business, industrial, farmstead)

JUL 21 2010



ARCADIS

Well Receptor Survey

Current Resident
2181 W Pinehurst Ave
St. Paul, MN 55116

Homeowner? Yes No
Tenant? Yes No
Connected to Public Water Supply? Yes No

If so, when? 1900 ??

Number of Wells Present at Residence 0 In Use _____ or Abandoned _____

If in use, where are they located? _____

If abandoned, when? _____

Well Use _____
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes No
Do you have a copy of the well abandonment report? Yes No
Would you allow us to collect a sample from your well? Yes No
Basement Present? Yes No
Sump Present? Yes No
Possible Petroleum sources exist on property? Yes No

NA
~~~~~

If so, where? \_\_\_\_\_  
\_\_\_\_\_

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

ARCADIS

JUL 20 2010 ✓

Well Receptor Survey

Current Resident  
2231 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? \_\_\_\_\_

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No  *N/A*

Do you have a copy of the well abandonment report? Yes  No  *N/A*

Would you allow us to collect a sample from your well? Yes  No  *N/A*

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

\_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)



ARCADIS

JUL 19 2010



Well Receptor Survey

Current Resident  
2124 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? \_\_\_\_\_

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_  
\_\_\_\_\_

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

JUL 16 2010



ARCADIS

Well Receptor Survey

Mark L. Malterud Denistry  
770 Mt Curve Blvd  
St. Paul, MN 55116

*Commercial Building owner*

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? \_\_\_\_\_

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No  *None needed*

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

Comments Business property Dental office -

Property sits on a very wet property probably  
an old wet lands area. AS when we put in a waste pumping  
system + went through the  
Floor lots of water was present  
below a pre stressed concrete  
Basement floor. Building is on  
Pillars for Foundation!!

(include property use: residential, business, industrial, farmstead)

ARCADIS

JUL 16 2010



Well Receptor Survey

Building Manager  
Highland Park Townhomes  
2046 W Montreal Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? 2

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

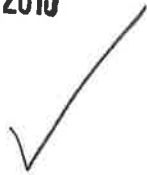
Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

Comments Residential

(include property use: residential, business, industrial, farmstead)

Jul 15 2010



ARCADIS

Well Receptor Survey

Current Resident  
2159 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? ??

Number of Wells Present at Residence 1 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? NA Yes  No

Do you have a copy of the well abandonment report? NA Yes  No

Would you allow us to collect a sample from your well? NA Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

\_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)



ARCADIS

JUL 13 2010

Well Receptor Survey

Lavish  
2140 Ford Pkwy  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? ?

Number of Wells Present at Residence ? In Use ? or Abandoned ?

If in use, where are they located? ?

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? ?

Comments I have only been here less than 2 years - not sure of info-

(include property use: residential, business, industrial, farmstead)

ARCADIS

JUL 13 2010



Well Receptor Survey

Current Resident  
2155 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? 1.

Number of Wells Present at Residence \_\_\_\_\_ In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

Comments I do not have this information.  
I do not believe I have any well water.

(include property use: residential, business, industrial, farmstead)



Well Receptor Survey

Current Resident  
1026 S Bowdoin St  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? ?

Number of Wells Present at Residence 0 In Use 0 or Abandoned 0

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

\_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

JUL 12 2010



ARCADIS

Well Receptor Survey

Weight Watchers  
2118 Ford Pkwy  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? Early 90's?

Number of Wells Present at Residence 0 In Use 0 or Abandoned 0

If in use, where are they located? 0

If abandoned, when? 0

Well Use 0  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No  ?

If so, where? \_\_\_\_\_

Comments business

(include property use: residential, business, industrial, farmstead)





# ARCADIS

## Well Receptor Survey

Current Resident  
5 Villard Ct  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? Since we've lived here for 24 years

Number of Wells Present at Residence \_\_\_\_\_ In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? *Don't think there is one, but if you know differently, you are more than welcome to come collect any samples.* Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  ? No

If so, where? There were <sup>were</sup> gas stations on three corners of Villard + cleved of time for over 20 years

Comments According to our neighbors there were never any wells on these properties in the court. They are original owners.

(include property use: residential, business, industrial, farmstead)

ARCADIS

JUL 12 2010 ✓

Well Receptor Survey

Building Manager  
2049 W Montreal Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? \_\_\_\_\_

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No  ? no idea

If so, where? \_\_\_\_\_

Comments Residential

(include property use: residential, business, industrial, farmstead)

## Anderson, Louise

---

**From:** Nelson-Kalmes, Trika  
**Sent:** Friday, July 09, 2010 8:49 AM  
**To:** Anderson, Louise  
**Cc:** Zinda, Bryan  
**Subject:** RE: Receptor Survey Responses

Lou:

Can you start filing in the spreadsheet with the responses from the surveys. See link below. I think it is straight forward, but let me know if you want to run through a few together. Please bill your time MN000613.0002.0001

G:\PROJECTS\Ford-St.Paul\Working\Receptor Survey\Address Datasheet.xlsx (database tab) Please make sure you put the residents name in the spreadsheet. If columns don't exist, go ahead and add them.

I had a verbal call from Lynne Lee at 1068 Bowdoin St. She is connected to city water, and has no well or sump on her property. She does have a basement. Please be sure to add her. Thanks, Trika

---

**From:** Anderson, Louise  
**Sent:** Tuesday, July 06, 2010 12:33 PM  
**To:** Nelson-Kalmes, Trika  
**Subject:** Receptor Survey Responses

I have started a file to accumulate all the survey responses. Help yourself to the documents anytime you want ... ft desk.

Louise Anderson | Administrator | [louise.anderson@arcadis-us.com](mailto:louise.anderson@arcadis-us.com)

ARCADIS U.S., Inc. | 430 First Avenue North, Suite 720| Minneapolis, MN, 55401  
T. 612.339.9434 | F. 612.336.4538  
[www.arcadis-us.com](http://www.arcadis-us.com)

ARCADIS, Imagine the result  
Please consider the environment before printing this email.



# ARCADIS

## Well Receptor Survey

TCF Bank  
2163 Ford Pkwy  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? 10/05 New Branch opened 1/05

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_  
\_\_\_\_\_

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)



JUL - 8 2010



ARCADIS

Well Receptor Survey

Current Resident  
2151 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? always

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

\_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

JUL -8 2010 ✓

ARCADIS

Well Receptor Survey

Current Resident  
1032 S Bowdoin St  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? I will guess 1959, when the house was built

Number of Wells Present at Residence NONE In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No  ("beaver" system is used)

Possible Petroleum sources exist on property? Yes  No

If so, where? just lawnmower in garage, and gas for lawnmower. I do change oil for car, but I bring oil to county recycling site and always have.  
Comments \_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

ARCADIS

JUL 28 2010 ✓

Well Receptor Survey

Current Resident  
1061 S Bowdoin St  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? 1954

Number of Wells Present at Residence 0 In Use 0 or Abandoned 0

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

\_\_\_\_\_

Comments RESIDENTIAL

\_\_\_\_\_

\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

JUL -7 2010



ARCADIS

Well Receptor Survey

Current Resident  
1049 S Bowdoin St  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? \_\_\_\_\_ ?

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

Comments Purchased house in 1985. Don't know about anything prior to 1985.

(include property use: residential, business, industrial, farmstead)





# ARCADIS

## Well Receptor Survey

Building Manager  
Highland Park Townhomes  
2054 W Montreal Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? Not sure. I bought my place in 2005 and it was <sup>already</sup> connected.

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_  
\_\_\_\_\_

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

ARCADIS

JUL 27 2010



Well Receptor Survey

Current Resident  
1025 S Finn St  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? House WAS BUILT IN 1954

Number of Wells Present at Residence 0 In Use 0 or Abandoned UNKNOWN

If in use, where are they located? \_\_\_\_\_

If abandoned, when? UNKNOWN

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? UNKNOWN

Comments \_\_\_\_\_

(include property use: residential, business, industrial, farmstead)



Well Receptor Survey

Building Manager  
Highland Park Townhomes  
1002 Cleveland Ave S  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? 6-28-06 - my date of ownership

Number of Wells Present at Residence 0 Known In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

Comments Contact Highland Park THA, Advanced Innovative Mgmt. @ 651-739-5544

(include property use: residential, business, industrial, farmstead)

ARCADIS

JUL - 7 2010



Well Receptor Survey

TERRI CAVANAUGH

~~Current Resident~~  
2134 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? Oct. 18, 1937

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

\_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)



Well Receptor Survey

Current Resident  
2225 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? ?

Number of Wells Present at Residence \_\_\_\_\_ In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

\_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

# ARCADIS

## Well Receptor Survey

Current Resident  
1038 S Finn St  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? 1954

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

\_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)



# ARCADIS

## Well Receptor Survey

Building Manager  
Highland Terrace Apts  
1045 Cleveland Ave S  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? 1960±

Number of Wells Present at Residence not sure In Use - 0 - or Abandoned not sure

If in use, where are they located? not sure

If abandoned, when? not sure

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? not sure Yes  No

If so, where? \_\_\_\_\_

Comments 3 multi family apartment bldgs

(include property use: residential, business, industrial, farmstead)



# ARCADIS

## Well Receptor Survey

Current Resident  
2215 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? 1946

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

\_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

ARCADIS

JUL -7 2010 ✓

Well Receptor Survey

Current Resident  
1041 Colby St  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? \_\_\_\_\_

Number of Wells Present at Residence \_\_\_\_\_ In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

\_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)





ARCADIS

JUL - 6 2010



Well Receptor Survey

Building Manager  
Highland Park Townhomes  
2048 W Montreal Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? 3/25/10

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No  *n/a*

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_  
\_\_\_\_\_

Comments \_\_\_\_\_  
\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

JUL - 6 2010



# ARCADIS

## Well Receptor Survey

Current Resident  
6 Villard Ct  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? 1956

Number of Wells Present at Residence 0 In Use 0 or Abandoned 0

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

Comments Vacant land until 1946

(include property use: residential, business, industrial, farmstead)

Basement single story  
attached garage



# ARCADIS

## Well Receptor Survey

Building Manager  
Highland Park Townhomes  
2050 W Montreal Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? \_\_\_\_\_

Number of Wells Present at Residence \_\_\_\_\_ In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

Comments We own a townhome & do not pay our water bill - it is paid by our management company.

(include property use: residential, business, industrial, farmstead)

ARCADIS

JUL - 6 2010

Well Receptor Survey

Current Resident  
2204 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? N/A

Number of Wells Present at Residence — In Use — or Abandoned —

If in use, where are they located? —

If abandoned, when? —

Well Use —  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? —

Comments Residential

(include property use: residential, business, industrial, farmstead)





Well Receptor Survey

Current Resident  
2142 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? ? Don't know

Number of Wells Present at Residence ? In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? No information provided

If abandoned, when? When I purchased the house

Well Use House built 1947 -  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Don't know Yes  No

If so, where? \_\_\_\_\_

Comments I don't know if there is a well on property - No information provided in purchase of house.

(include property use: residential, business, industrial, farmstead)



Well Receptor Survey

Building Manager  
Highland Park Townhomes  
996 Cleveland Ave S  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? unknown

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

Comments \_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

ARCADIS

JUL - 6 2010



Well Receptor Survey

Current Resident  
2167 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? unknown

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

Comments \_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

JUL - 6 2010



ARCADIS

Well Receptor Survey

Current Resident  
2186 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? \_\_\_\_\_

Number of Wells Present at Residence \_\_\_\_\_ In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? <sup>??</sup> Yes  No

If so, where? \_\_\_\_\_

\_\_\_\_\_

Comments No well

\_\_\_\_\_

\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)



Well Receptor Survey

Current Resident  
1055 S Bowdoin St  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? \_\_\_\_\_

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

\_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)



JUL - 6 2010



ARCADIS

Well Receptor Survey

Current Resident  
2187 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? \_\_\_\_\_

Number of Wells Present at Residence 0 In Use 0 or Abandoned 0

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No  N/A

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_  
\_\_\_\_\_

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

JUL - 6 2010

ARCADIS



Well Receptor Survey

Building Manager  
946 Cleveland Ave S  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? ?

Number of Wells Present at Residence ? In Use 0 or Abandoned ?

If in use, where are they located? \_\_\_\_\_

If abandoned, when? No wells known

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

Comments Residential

(include property use: residential, business, industrial, farmstead)

JUL - 6 2010



ARCADIS

Well Receptor Survey

Current Resident  
1031 S Bowdoin St  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? 1954

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Drain tile system Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_  
\_\_\_\_\_

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

ARCADIS

JUL - 6 2010

Well Receptor Survey

Current Resident  
745 Mt Curve Blvd  
St. Paul, MN 55116

Homeowner? Yes  No   
Tenant? Yes  No   
Connected to Public Water Supply? Yes  No

If so, when? \_\_\_\_\_

Number of Wells Present at Residence 1 In Use \_\_\_\_\_ or Abandoned 1

If in use, where are they located? \_\_\_\_\_

If abandoned, when? ? \_\_\_\_\_

Well Use domestic  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

\_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

Well Receptor Survey

Tires Plus  
2185 Ford Pkwy  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? \_\_\_\_\_

Number of Wells Present at Residence \_\_\_\_\_ In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

\_\_\_\_\_

Comments No wells used

\_\_\_\_\_

\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)



JUL - 6 2010 ✓

ARCADIS

Well Receptor Survey

Current Resident  
2190 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? ?

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? N/A Yes  No

Do you have a copy of the well abandonment report? N/A Yes  No

Would you allow us to collect a sample from your well? N/A Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? unknown Yes  No

If so, where? \_\_\_\_\_

Comments \_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

JUL - 6 2010 ✓

ARCADIS

Well Receptor Survey

Current Resident  
2218 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? ST Paul

Number of Wells Present at Residence 2 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? N/A

If abandoned, when? \_\_\_\_\_

Well Use N/A  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_  
\_\_\_\_\_

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

JUL - 9 2010



ARCADIS

Well Receptor Survey

Current Resident  
2041 Villard Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? \_\_\_\_\_

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

\_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

JUL -9 2010



ARCADIS

Well Receptor Survey

Current Resident  
1043 S Bowdoin St  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

*- uses city water*

If so, when? ??

Number of Wells Present at Residence \_\_\_\_\_ In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? No wells

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_  
\_\_\_\_\_

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

JUL -9 2010



ARCADIS

Well Receptor Survey

Current Resident  
2131 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? ?

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_  
\_\_\_\_\_

Comments \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)



ARCADIS

JUL - 9 2010



Well Receptor Survey

Current Resident  
2214 W Pinehurst Ave  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? 2005

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? N/A

If abandoned, when? N/A

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

Comments Residential

(include property use: residential, business, industrial, farmstead)

N/A - No wells



Well Receptor Survey

Current Resident  
1037 S Bowdoin St  
St. Paul, MN 55116

Homeowner? Yes  No

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? \_\_\_\_\_

Number of Wells Present at Residence 0 In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? \_\_\_\_\_

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No

If so, where? \_\_\_\_\_

\_\_\_\_\_

Comments \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(include property use: residential, business, industrial, farmstead)

JUL -9 2010

ARCADIS



Well Receptor Survey

Building Manager Amy Salmela  
Highland Park Townhomes  
968 Cleveland Ave S  
St. Paul, MN 55116

Homeowner? Yes  No  (968-978 Cleveland are each individually owned condominium townhomes)  
Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? unknown

Number of Wells Present at Residence unknown In Use 0 or Abandoned unknown

If in use, where are they located? \_\_\_\_\_

If abandoned, when? unknown

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? Yes  No

Do you have a copy of the well abandonment report? Yes  No

Would you allow us to collect a sample from your well? Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? Yes  No  unknown, but likely no

If so, where? \_\_\_\_\_

Comments Should you require additional information about an individual property in the Highland Park Townhome Condominium Association, please contact me @ 612.252.1535 or salmela@ptslaw.com.

(include property use: residential, business, industrial, farmstead)

Amy Salmela

ARCADIS

JUL - 8 2010



Well Receptor Survey

Building Manager  
Highland Village Apts  
17 Inner Dr  
St. Paul, MN 55116

map on back of  
→ entire property (807-889 Cleveland Ave)  
(6-61 Inner Dr.)  
(5063-2119 Village Ln)

Homeowner? Yes  No

Property Owner (Apartment)

Tenant? Yes  No

Connected to Public Water Supply? Yes  No

If so, when? 1939

Number of Wells Present at Residence No In Use \_\_\_\_\_ or Abandoned \_\_\_\_\_

If in use, where are they located? \_\_\_\_\_

If abandoned, when? NA

Well Use \_\_\_\_\_  
(e.g., domestic, industrial, municipal, monitoring, lawn/gardening, irrigation)

Do you have a copy of the well construction report? NA Yes  No

Do you have a copy of the well abandonment report? N/A Yes  No

Would you allow us to collect a sample from your well? N/A Yes  No

Basement Present? Yes  No

Sump Present? Yes  No

Possible Petroleum sources exist on property? (oil tank used for heating) Yes  No

If so, where? 13 1,000 gallon tanks on property

Comments \_\_\_\_\_

(include property use: residential, business, industrial, farmstead)