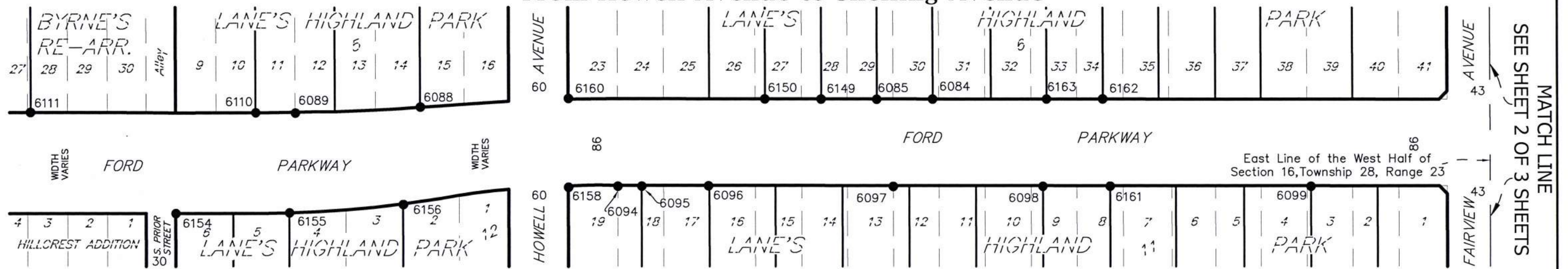


SURVEY MONUMENT REPLACEMENT EXHIBIT - Ford Parkway

From Howell Avenue to Snelling Avenue



NOTES

This exhibit shows the survey monumentation found at or near the existing right of way lines prior to the reconstruction of Ford Parkway from Howell Avenue to Snelling Avenue along with the intersections contained within. This exhibit shows the results of a detailed survey monument search performed by the Ramsey County Surveyor's Office.

The coordinate and bearing basis for all the information shown hereon is based on the Ramsey County Coordinate System, NAD83 (1986 adj.).

The N 1/4 Corner of Sec. 16, T. 28, R. 23 (Mon. 674)
 Brass Disk in Granite Monument
 N: 146977.642
 E: 553401.000

The NE Corner of Sec. 16, T. 28, R. 23 (Mon. 675)
 Cast Iron Monument
 N: 146972.275
 E: 556034.780


The E 1/4 Corner of Sec. 17, T.28, R.23 (Mon. 696)
 Cast Iron Monument
 N: 144332.692
 E: 550768.610

The Center of Sec. 16, T. 28, R. 23 (Mon. 697)
 Cast Iron Monument
 N: 144338.304
 E: 553406.818

Monuments were located using a conventional total station with robotic functions and VRS GPS with a Trimble R8 GNSS antenna. The project was site calibrated on 6-19-13. It was calibrated horizontally to Ramsey County Monument No's. 674, 675, 696, and 697. Section Corners and Job Control Points were adjusted using a Least Squares method. The location of each monument found using VRS GPS was observed multiple times during two separate RTK sessions. The averaged results of the observed coordinates are shown in the chart contained hereon.

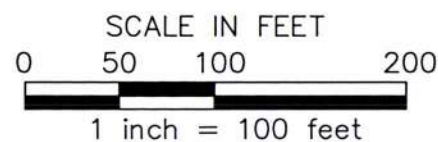
Point No.	Pre-Reconstruction			Post-Reconstruction	
	Northing	Easting	Description of Monument Found	Date Found	Found in Place/Reset* Date Found/Reset
6111	146347.665	551938.259	1/2 inch iron pipe with cap inscribed RLS 15480	7/15/2013	Found in Place 7/26/2016
6154	146247.033	552084.604	3/4 inch iron pipe	7/16/2013	Reset* 7/26/2016
6155	146247.661	552198.689	3/4 inch iron pipe	7/16/2013	Reset* 7/26/2016
6156	146255.949	552312.749	1/2 inch iron pipe	7/16/2013	Found in Place 7/26/2016
6110	146347.276	552164.531	1/2 inch iron pipe	7/15/2013	Found in Place 7/26/2016
6089	146346.981	552204.626	3/4 inch iron pipe	7/10/2013	Found in Place 7/26/2016
6088	146352.889	552329.481	3/4 inch iron pipe	7/10/2013	Found in Place 7/26/2016
6160	146361.548	552479.596	1/2 inch iron pipe	7/16/2013	Reset* 7/26/2016
6158	146273.328	552479.714	1/2 inch iron pipe	7/16/2013	Reset* 7/26/2016
6094	146274.449	552528.724	3/4 inch iron pipe	7/10/2013	Found in Place 7/26/2016
6095	146274.487	552552.622	1/2 inch iron pipe	7/10/2013	Found in Place 7/26/2016
6096	146274.828	552619.650	3/4 inch iron pipe	7/10/2013	Found in Place 7/26/2016
6097	146274.271	552804.567	1/2 inch iron pipe	7/10/2013	Found in Place 7/26/2016
6098	146274.355	552954.524	3/4 inch iron pipe	7/10/2013	Found in Place 7/26/2016
6161	146274.440	553021.578	1/2 inch iron pipe	7/16/2013	Found in Place 7/26/2016
6099	146274.293	553222.600	1/2 inch iron pipe	7/10/2013	Reset* 7/26/2016
6162	146361.129	553014.209	1/2 inch iron pipe	7/16/2013	Found in Place 7/26/2016
6163	146361.038	552958.323	1/2 inch iron pipe	7/16/2013	Reset* 7/26/2016
6084	146361.010	552844.214	3/4 inch iron pipe	7/10/2013	Found in Place 7/26/2016
6085	146360.850	552788.136	1/2 inch iron pipe	7/10/2013	Reset* 7/26/2016
6149	146361.021	552732.075	1/2 inch iron pipe	7/16/2013	Found in Place 7/26/2016
6150	146361.172	552676.054	1/2 inch iron pipe	7/16/2013	Reset* 7/26/2016

I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.




 1-4-17
 Daniel D. Baar, L.S. Date
 Deputy County Surveyor
 Minnesota License No. 45816



RAMSEY COUNTY PUBLIC WORKS
LAND SURVEY DIVISION
 1425 PAUL KIRKWOLD DRIVE
 ARDEN HILLS, MN 55112-3933
 651-266-7100

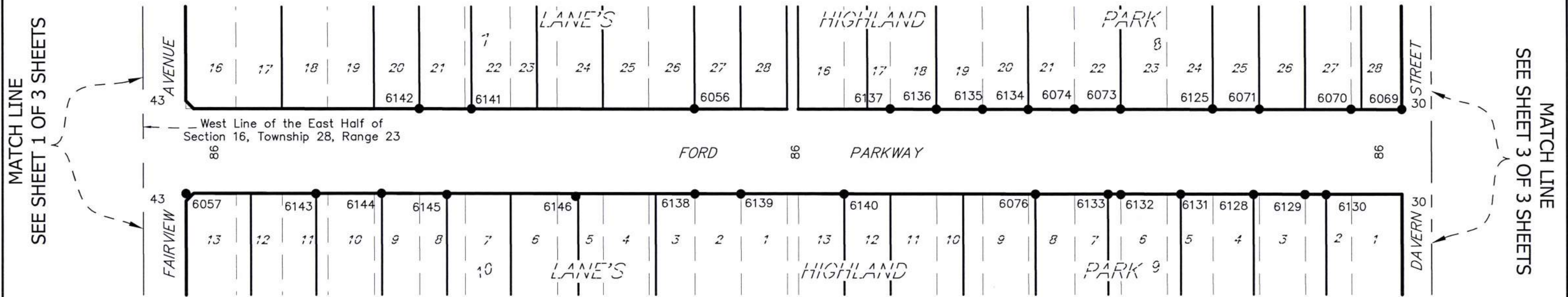


LEGEND

-  Denotes approximate pre-construction public right of way line.
-  Denotes approximate existing Parcel Line.
-  Denotes found monument (size, type, and Land Surveyor License Number described in chart).

SURVEY MONUMENT REPLACEMENT EXHIBIT - Ford Parkway

From Howell Avenue to Snelling Avenue



SEE NOTES ON SHEET 1 OF 3

Point No.	Pre-Reconstruction				Post-Reconstruction	
	Northing	Easting	Description of Monument Found	Date Found	Found in Place/Reset*	Date Found/Reset
6057	146274.426	553445.547	1/2 inch iron pipe	7/1/2013	Set PK & disk 45816	7/26/2016
6143	146274.333	553579.455	1/2 inch iron pipe	7/16/2013	Reset*	7/26/2016
6144	146274.568	553646.239	1/2 inch iron pipe	7/16/2013	Found in Place	7/26/2016
6145	146273.379	553713.645	1/2 inch iron pipe with cap inscribed RLS 41572	7/16/2013	Found in Place	7/26/2016
6146	146274.246	553847.613	1/2 inch iron pipe with cap inscribed RLS 26724	7/16/2013	Found in Place	7/26/2016
6138	146273.925	553967.758	1/2 inch iron pipe	7/16/2013	Found in Place	7/26/2016
6139	146273.912	554014.485	1/2 inch iron pipe	7/16/2013	Found in Place	7/26/2016
6140	146273.792	554119.974	1 inch iron pipe	7/16/2013	Found in Place	7/26/2016
6076	146273.633	554315.248	Survey nail with ribbon	7/1/2013	Found in Place	7/26/2016
6133	146273.541	554389.216	1/2 inch iron pipe	7/15/2013	Found in Place	7/26/2016
6132	146273.177	554402.144	1/2 inch iron pipe	7/15/2013	Found in Place	7/26/2016
6131	146273.486	554463.188	3/4 inch iron pipe	7/15/2013	Found in Place	7/26/2016
6128	146273.295	554537.228	1/2 inch iron pipe	7/15/2013	Found in Place	7/26/2016
6129	146273.210	554590.035	1/2 inch iron pipe, top bent	7/15/2013	Found in Place	7/26/2016
6130	146273.108	554611.201	3/4 inch iron pipe	7/15/2013	Found in Place	7/26/2016
6069	146359.574	554689.055	1/2 inch iron pipe	7/1/2013	Found in Place	7/26/2016
6070	146359.778	554636.832	1/2 inch iron pipe	7/1/2013	Found in Place	7/26/2016
6071	146359.915	554543.140	3/4 inch iron pipe	7/1/2013	Found in Place	7/26/2016
6125	146360.160	554495.853	3/4 inch pinch top pipe	7/15/2013	Found in Place	7/26/2016

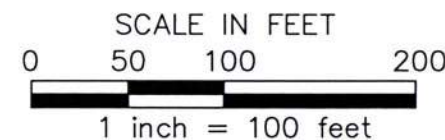
*Set a 5/8 inch by 14 inch rebar with a plastic cap embossed "Ramsey County 45816"

Project No. 2013-016

Point No.	Pre-Reconstruction				Post-Reconstruction	
	Northing	Easting	Description of Monument Found	Date Found	Found in Place/Reset*	Date Found/Reset
6073	146360.020	554401.893	3/4 inch iron pipe	7/1/2013	Found in Place	7/26/2016
6074	146360.077	554354.885	3/4 inch iron pipe	7/1/2013	Reset*	7/26/2016
6134	146359.780	554307.953	1/2 inch iron pipe with cap inscribed RLS 44109	7/16/2013	Found in Place	7/26/2016
6135	146359.961	554260.999	1/2 inch iron pipe with cap inscribed RLS 44109	7/16/2013	Found in Place	7/26/2016
6136	146359.987	554213.886	Survey nail with cap inscribed RLS 44109	7/16/2013	Found in Place	7/26/2016
6137	146360.345	554166.895	3/8 inch iron pipe	7/16/2013	Found in Place	7/26/2016
6056	146360.499	553967.161	1/2 inch iron pipe	7/1/2013	Found in Place	7/26/2016
6141	146360.436	553739.261	1/2 inch iron pipe	7/16/2013	Found in Place	7/26/2016
6142	146360.599	553685.289	1/2 inch iron pipe	7/16/2013	Found in Place	7/26/2016

LEGEND

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SURVEY MONUMENT REPLACEMENT EXHIBIT - Ford Parkway

From Howell Avenue to Snelling Avenue



SEE NOTES ON SHEET 1 OF 3

Point No.	Pre-Reconstruction				Post-Reconstruction	
	Northing	Easting	Description of Monument Found	Date Found	Found in Place/Reset*	Date Found/Reset
6064	146272.991	554749.205	1/2 inch iron pipe	7/1/2013	Reset*	7/27/2016
6021	146272.763	554812.132	1/2 inch iron pipe	6/25/2013	Found in Place	7/27/2016
6020	146272.638	554947.195	1/2 inch iron pipe	6/25/2013	Found in Place	7/27/2016
6036	146272.810	555014.698	1/2 inch iron pipe	6/25/2013	Reset*	7/27/2016
6035	146272.649	555083.794	1/2 inch iron pipe	6/25/2013	Found in Place	7/27/2016
6034	146272.916	555149.728	1/2 inch iron pipe	6/25/2013	Reset*	7/27/2016
6037	146272.382	555216.385	1/2 inch iron pipe	6/25/2013	Found in Place	7/27/2016
6038	146272.390	555284.536	1/2 inch iron pipe	6/25/2013	Reset*	7/27/2016
6039	146272.533	555407.538	1/2 inch iron pipe	6/25/2013	Reset*	7/27/2016
6120	146272.374	555847.402	1/2 inch iron pipe with cap inscribed 15480	7/15/2013	Found in Place	7/27/2016
6119	146358.308	555767.263	3/8 inch iron pipe	7/15/2013	Found in Place	7/27/2016
6018	146359.077	555239.020	5/8 inch solid rod	6/25/2013	Found in Place	7/27/2016
6019	146359.349	555149.069	1/2 inch pinch top pipe	6/25/2013	Found in Place	7/27/2016

*Set a 5/8 inch by 14 inch rebar with a plastic cap embossed "Ramsey County 45816"

Point No.	Pre-Reconstruction				Post-Reconstruction	
	Northing	Easting	Description of Monument Found	Date Found	Found in Place/Reset*	Date Found/Reset
6122	146359.119	554969.151	1/2 inch iron pipe, top bent	7/15/2013	Reset*	7/27/2016
6121	146359.181	554909.297	1/2 inch pinch top pipe	7/15/2013	Found in Place	7/27/2016
6127	146359.216	554849.210	1/2 inch iron pipe	7/15/2013	Reset*	7/27/2016
6126	146359.489	554789.004	1/2 inch iron pipe with cap inscribed RLS 9235	7/15/2013	Found in Place	7/27/2016

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