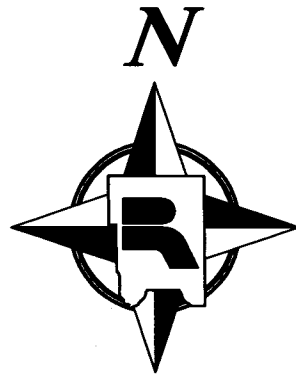


# SURVEY MONUMENT REPLACEMENT EXHIBIT- U.S. HIGHWAY 10 & C.S.A.H. 96

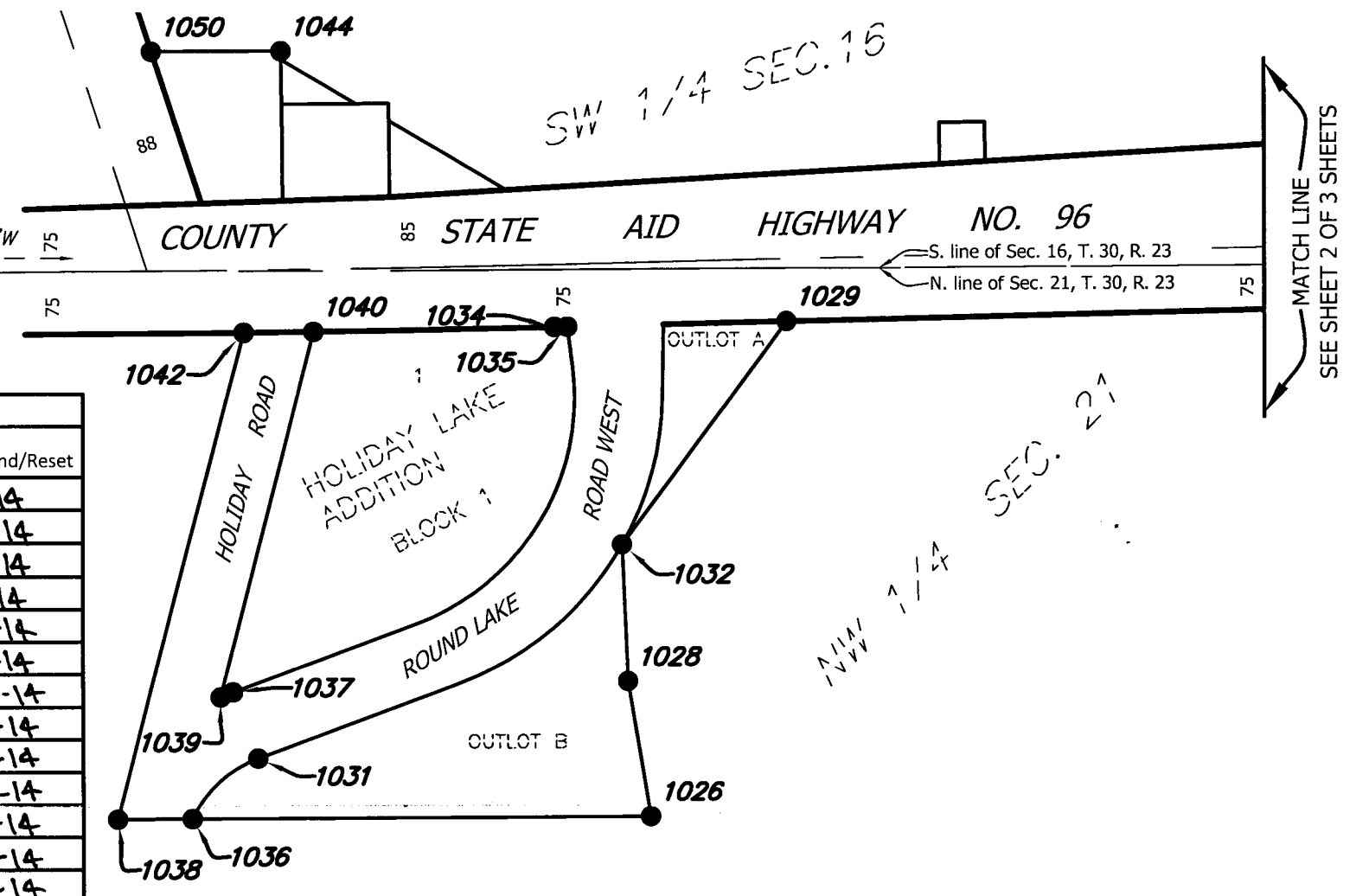


SCALE IN FEET  
0 100 200 400  
1 inch = 200 feet

NW. Cor. of Sec.  
21, T. 30, R. 23  
(Mon. 155)  
N:205052.60  
E:550405.35  
(1996 Adj.)

INTERSTATE HIGHWAY  
NO. 35W

$S89^{\circ}46'16''W$   
2644.67



Point No.	Northing	Easting	Pre-reconstruction		Post-reconstruction	
			Description of Monument Found	Date Found	Found in Place/Reset*	Date Found/Reset
1026	204401.20	552038.65	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011	Found in Place	6-4-14
1028	204564.02	552011.99	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011	Found in Place	6-4-14
1029	204996.01	552203.66	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011	Found in Place	6-4-14
1031	204471.34	551567.34	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011	Found in Place	6-4-14
1032	204728.44	552005.12	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011	Found in Place	6-4-14
1034	204989.69	551924.43	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011	Found in Place	6-4-14
1035	204989.91	551939.57	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011	Reset *	6-4-14
1036	204398.36	551488.92	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011	Found in Place	6-4-14
1037	204551.01	551537.75	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011	Found in Place	6-4-14
1038	204397.80	551398.76	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011	Found in Place	6-4-14
1039	204544.85	551522.88	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011	Found in Place	6-4-14
1040	204984.35	551634.79	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011	Found in Place	6-4-14
1042	204983.28	551551.14	Found 1/2 inch open iron pipe	10/26/2011	Reset *	6-4-14
1044	205320.82	551596.13	Found 1/2 inch open iron pipe	11/2/2011	Found in Place	6-4-14
1050	205320.13	551440.71	Found 1/2 inch iron pipe with an illegible plastic cap	11/2/2011	Found in Place	6-4-14

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

### NOTES

This exhibit shows the monumentation found at or near the existing right of way prior to the reconstruction of the intersection of U.S. Highway 10 & C.S.A.H. 96. This exhibit shows the results of a detailed monument search performed by the Ramsey County Surveyor's Office.

The coordinate bearing basis for all the information shown hereon is based on the Ramsey County Coordinate System, NAD83 (1996 adj.)

Monuments were located using VRS GPS with a Trimble R8 GNSS antenna. The project was orientated to the Ramsey County Coordinate System NAD 83 (1996 adj.) using continuously operating GPS reference stations owned and operated by the Minnesota Department of Transportation. The coordinate system was physically validated by checking the position of Ramsey County PLSS monument numbers 155, 156 and 157. The location of each monument was observed 4 times during two separate sessions. The average of the observations is shown in the chart contained hereon.

I hereby certify that this document 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.

*Daniel D. Baar* 11-21-13  
Daniel D. Baar, L.S.  
Deputy County Surveyor  
Minnesota License No. 45816

Date  
Rev. 10-1-14  
Post reconstruction data





- ### LEGEND
- Denotes approximate existing right of way.
  - Denotes approximate existing parcel line.
  - Denotes found monument (size, type or Land Surveyor identification described in chart).
  - Denotes Ramsey County cast iron monument.

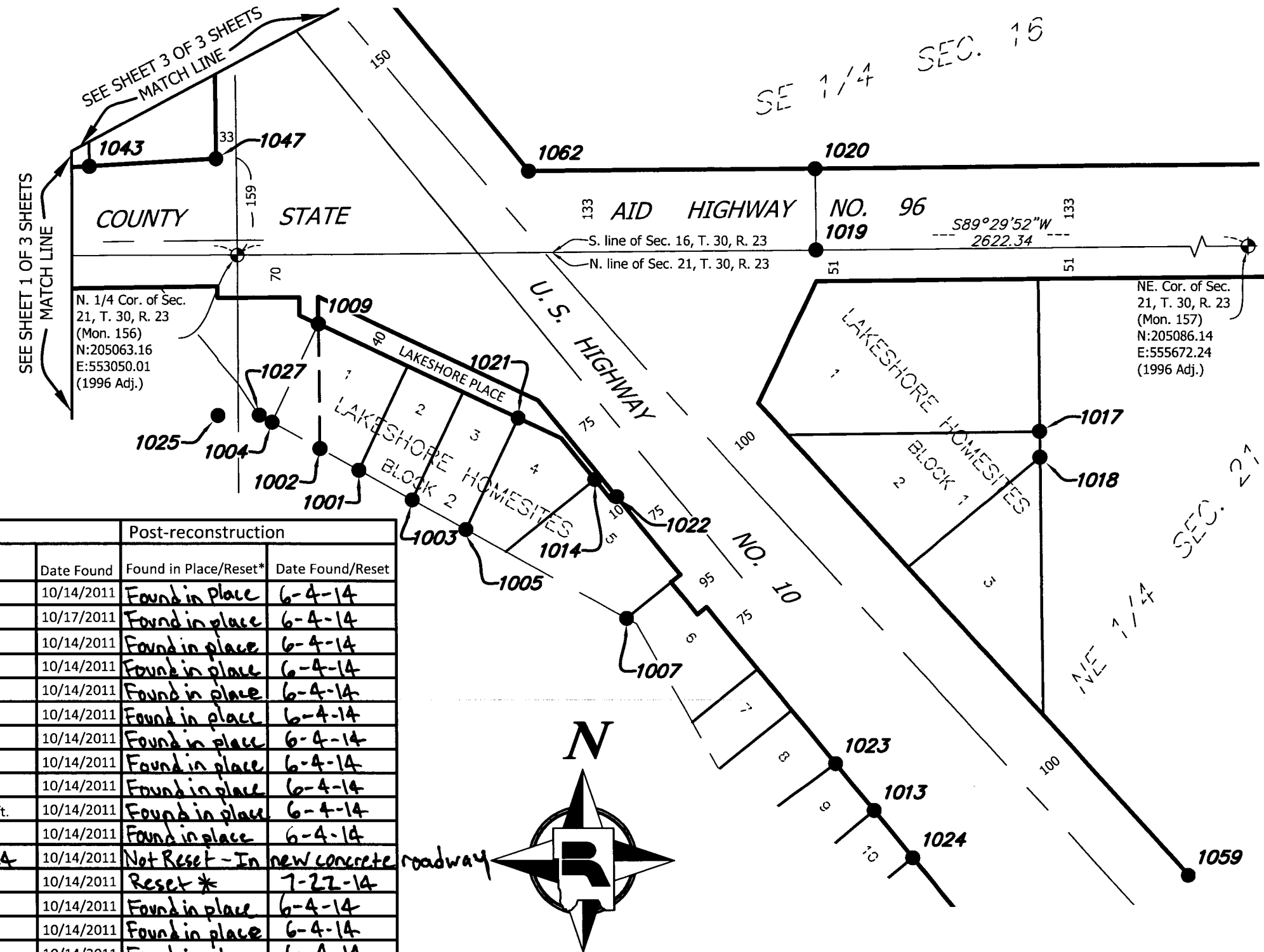
**RAMSEY COUNTY PUBLIC WORKS**  
**LAND SURVEY/GIS DIVISION**  
1425 PAUL KIRKWOOD DRIVE  
ARDEN HILLS, MN 55112-3933  
651-266-7100



# SURVEY MONUMENT REPLACEMENT EXHIBIT - U.S. HIGHWAY 10 & C.S.A.H. 96

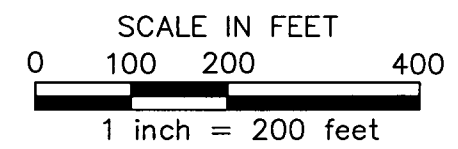
## LEGEND

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-  Denotes approximate existing parcel line.
-  Denotes found monument (size, type or Land Surveyor identification described in chart).
-  Denotes Ramsey County cast iron monument.



Point No.	Northing	Easting	Description of Monument Found	Date Found	Post-reconstruction	
					Found in Place/Reset*	Date Found/Reset
1001	204711.10	553249.49	Found 1/2 inch open iron pipe	10/14/2011	Found in place	6-4-14
1002	204746.44	553185.68	Found 1/2 inch open iron pipe	10/17/2011	Found in place	6-4-14
1003	204662.49	553337.18	Found pinch top iron pipe	10/14/2011	Found in place	6-4-14
1004	204789.51	553107.65	Found 1/2 inch iron pipe with Lic. No. 3527	10/14/2011	Found in place	6-4-14
1005	204613.88	553424.72	Found pinch top iron pipe	10/14/2011	Found in place	6-4-14
1007	204467.90	553688.10	Found 1/2 inch open iron pipe	10/14/2011	Found in place	6-4-14
1009	204950.64	553183.14	Found pinch top iron pipe	10/14/2011	Found in place	6-4-14
1013	204152.03	554092.01	Found pinch top iron pipe	10/14/2011	Found in place	6-4-14
1014	204695.92	553635.96	Found pinch top iron pipe	10/14/2011	Found in place	6-4-14
1017	204774.29	554363.76	Found 1/2 inch open iron pipe up 0.5 ft leaning W'ly +/-0.15 ft.	10/14/2011	Found in place	6-4-14
1018	204732.01	554364.31	Found pinch top iron pipe	10/14/2011	Found in place	6-4-14
1019	205071.42	553997.72	MNDOT aluminum cap stamped "B4204"	6-4-14	Not Reset - In new concrete roadway	
1020	205204.32	553996.60	MNDOT aluminum cap stamped "B3"	10/14/2011	Reset *	7-22-14
1021	204796.54	553510.69	Found pinch top iron pipe **	10/14/2011	Found in place	6-4-14
1022	204667.53	553671.91	Found pinch top iron pipe **	10/14/2011	Found in place	6-4-14
1023	204229.28	554028.75	Found 1/2 inch open iron pipe **	10/14/2011	Found in place	6-4-14
1024	204074.42	554154.79	Found 1/2 inch iron pipe with Lic. No. 5332 **	10/14/2011	Found in place	6-4-14
1025	204800.35	553018.50	Found 1/2 inch open iron pipe	10/26/2011	Found in place	6-4-14
1027	204801.05	553086.71	Found 1/2 inch open iron pipe	10/26/2011	Found in place	6-4-14
1043	205207.79	552807.44	Found 1/2 inch iron pipe with an illegible plastic cap	6-4-14	Not Reset - Pond	
1047	205220.18	553015.25	Found 1/2 inch iron pipe with Lic. No. 16087	6-4-14	Not Reset - Pond	
1059	204045.20	554607.65	Found 1/2 inch open iron pipe	11/2/2011	Found in place	6-4-14
1062	205200.24	553527.99	Disk in pipe stamped "US ENGINEER OFFICE ST PAUL MINN"	11/2/2011	Reset *	7-22-14

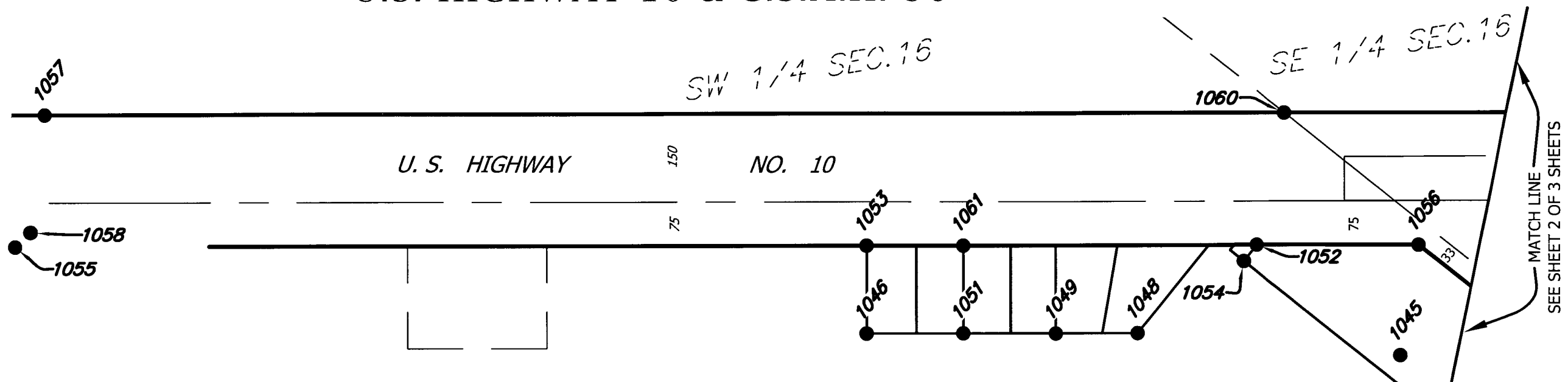
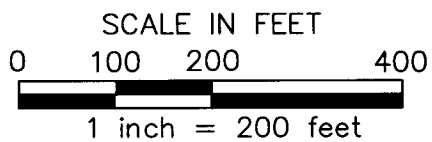
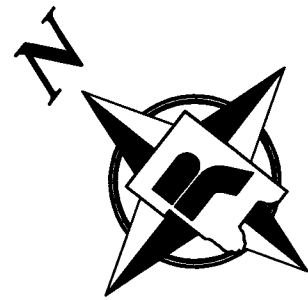
\*Set a 5/8 in. by 14 in. rebar with a plastic cap embossed "Ramsey County 45816"  
 \*\* Position verified using a total station



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



# SURVEY MONUMENT REPLACEMENT EXHIBIT- U.S. HIGHWAY 10 & C.S.A.H. 96



Pre-reconstruction					Post-reconstruction	
Point No.	Northing	Easting	Description of Monument Found	Date Found	Found in Place/Reset*	Date Found/Reset
1045	205382.13	552846.52	Found 3/4 inch open iron pipe down 1 ft.	11/2/2011	Not Reset - Pond	7-22-14
1046	206112.42	552301.63	Found 1/2 inch open iron pipe with dented top	11/2/2011	Found in place	6-4-14
1048	205754.18	552593.41	Found 1/2 inch open iron pipe	11/2/2011	Found in place	6-4-14
1049	205862.15	552504.98	Found 1/2 inch open iron pipe up 1 ft. leaning W'y +/-0.3 ft.	11/2/2011	Found in place	6-4-14
1051	205984.62	552406.06	Found 1/2 inch open iron pipe in concrete	11/2/2011	Found in place	6-4-14
1052	205692.24	552837.69	Found 1/2 inch iron pipe with Lic. No. 16087	11/2/2011	Set *	7-22-14
1053	206207.01	552418.08	Found 1/2 inch open iron pipe	11/2/2011	Found in place	6-4-14
1054	205691.86	552802.32	Found 1/2 inch iron pipe with Lic. No. 16087	11/2/2011	Found in place	6-4-14
1055	207337.87	551497.10	MNDOT aluminum cap stamped "B4307"	11/2/2011	Found in place	6-4-14
1056	205476.95	553012.52	Found 1/2 inch iron pipe with Lic. No. 16087	7-22-14 11/2/2011	Not Reset - concrete roadway	7-22-14
1057	207440.28	551703.85	MNDOT aluminum cap stamped "B4306"	11/2/2011	Found in place	6-4-14
1058	207333.12	551533.12	Disk in pipe stamped "US ENGINEER OFFICE ST PAUL MINN"	11/2/2011	Found in place	6-4-14
1060	205797.36	553041.97	MNDOT aluminum cap stamped "B1"	11/2/2011	Reset *	7-22-14
1061	206079.06	552522.24	Found 1/2 inch open iron pipe	11/2/2011	Found in place	6-4-14

### LEGEND

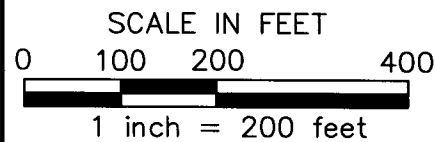
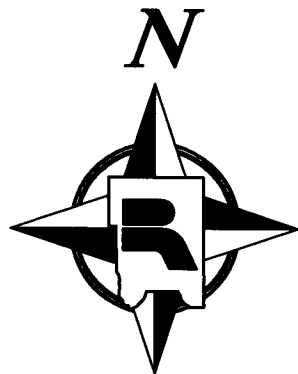
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\*Set a 5/8 in. by 14 in. rebar with a plastic cap embossed "Ramsey County 45816"

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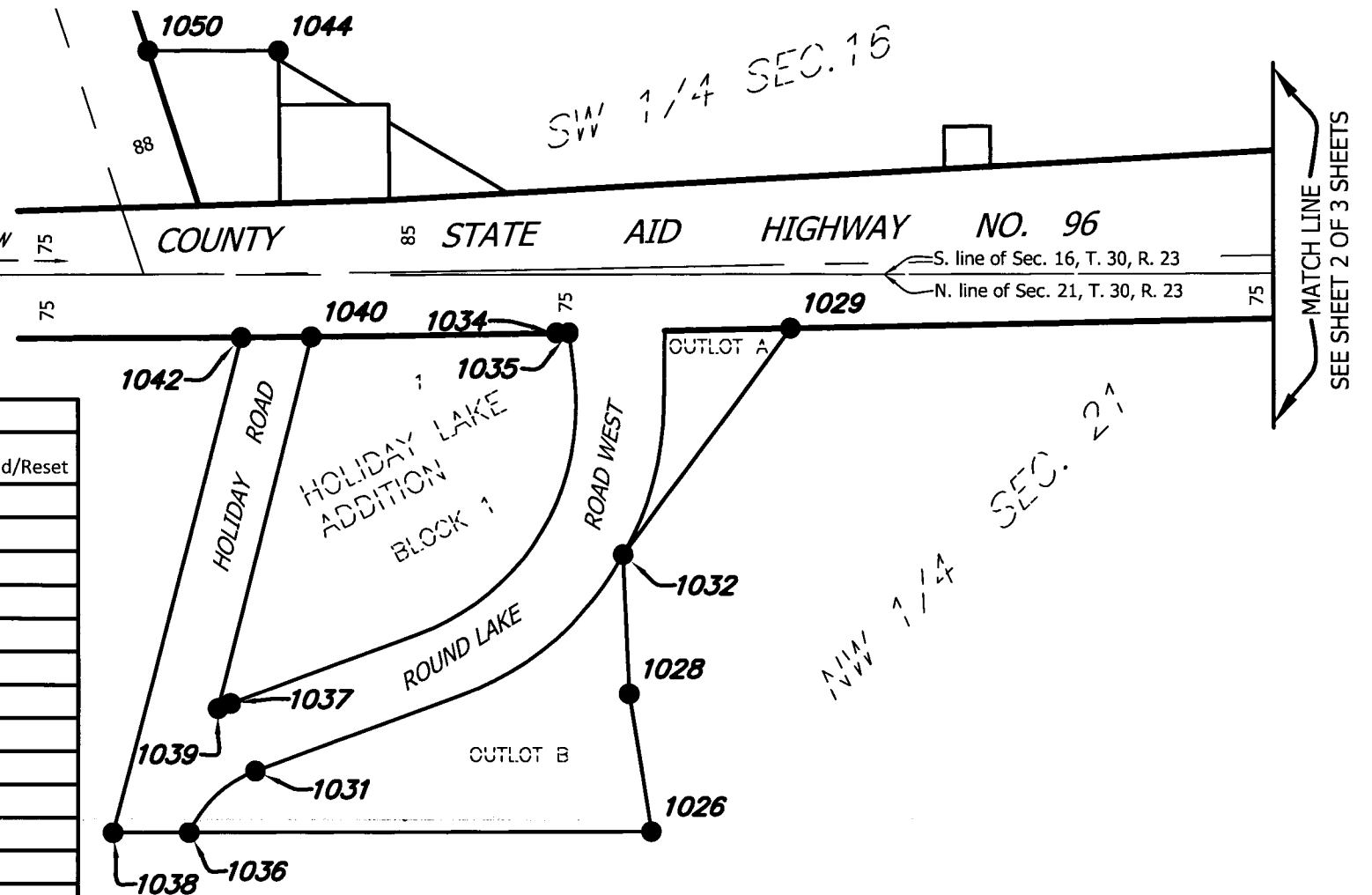
# SURVEY MONUMENT REPLACEMENT EXHIBIT- U.S. HIGHWAY 10 & C.S.A.H. 96



NW. Cor. of Sec.  
21, T. 30, R. 23  
(Mon. 155)  
N:205052.60  
E:550405.35  
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INTERSTATE HIGHWAY  
NO. 35W

$S89^{\circ}46'16''W$   
2644.67



Pre-reconstruction					Post-reconstruction	
Point No.	Northing	Easting	Description of Monument Found	Date Found	Found in Place/Reset*	Date Found/Reset
1026	204401.20	552038.65	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011		
1028	204564.02	552011.99	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011		
1029	204996.01	552203.66	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011		
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1034	204989.69	551924.43	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011		
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1036	204398.36	551488.92	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011		
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1039	204544.85	551522.88	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011		
1040	204984.35	551634.79	Found 1/2 inch iron pipe with Lic. No. 19840	10/26/2011		
1042	204983.28	551551.14	Found 1/2 inch open iron pipe	10/26/2011		
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1050	205320.13	551440.71	Found 1/2 inch iron pipe with an illegible plastic cap	11/2/2011		

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

## NOTES

This exhibit shows the monumentation found at or near the existing right of way prior to the reconstruction of the intersection of U.S. Highway 10 & C.S.A.H. 96. This exhibit shows the results of a detailed monument search performed by the Ramsey County Surveyor's Office.

The coordinate bearing basis for all the information shown hereon is based on the Ramsey County Coordinate System, NAD83 (1996 adj.)

Monuments were located using VRS GPS with a Trimble R8 GNSS antenna. The project was orientated to the Ramsey County Coordinate System NAD 83 (1996 adj.) using continuously operating GPS reference stations owned and operated by the Minnesota Department of Transportation. The coordinate system was physically validated by checking the position of Ramsey County PLSS monument numbers 155, 156 and 157. The location of each monument was observed 4 times during two separate sessions. The average of the observations is shown in the chart contained hereon.

I hereby certify that this document 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.

*Daniel D. Baar*  
Daniel D. Baar, L.S.  
Deputy County Surveyor  
Minnesota License No. 45816

11-21-13  
Date

## LEGEND





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- Denotes approximate existing parcel line.
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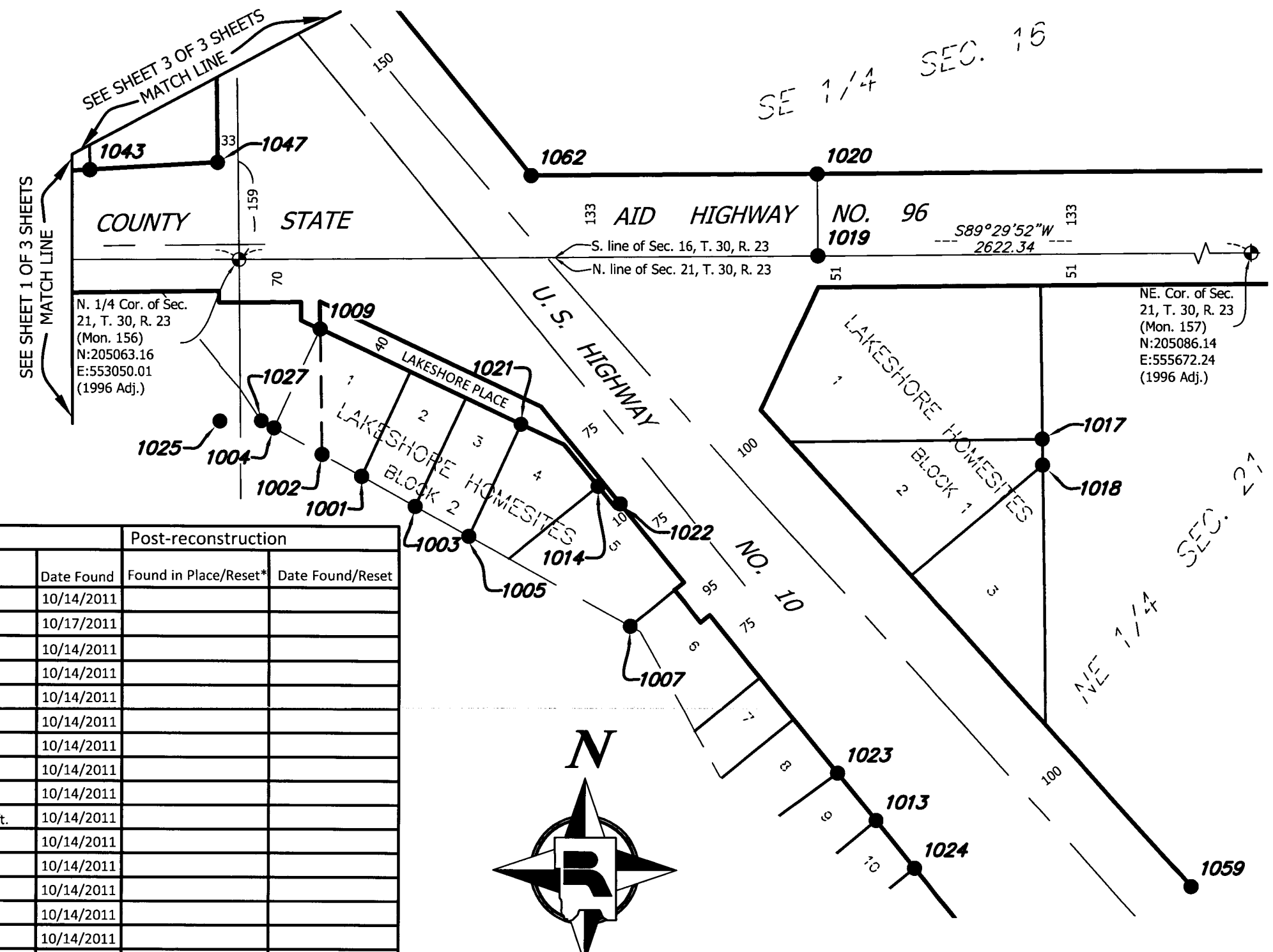
**RAMSEY COUNTY PUBLIC WORKS**  
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1425 PAUL KIRKWOLD DRIVE  
ARDEN HILLS, MN 55112-3933  
651-266-7100



# SURVEY MONUMENT REPLACEMENT EXHIBIT - U.S. HIGHWAY 10 & C.S.A.H. 96

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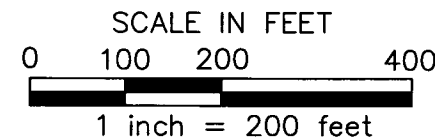


Point No.	Pre-reconstruction			Post-reconstruction	
	Northing	Easting	Description of Monument Found	Date Found	Found in Place/Reset* Date Found/Reset
1001	204711.10	553249.49	Found 1/2 inch open iron pipe	10/14/2011	
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1003	204662.49	553337.18	Found pinch top iron pipe	10/14/2011	
1004	204789.51	553107.65	Found 1/2 inch iron pipe with Lic. No. 3527	10/14/2011	
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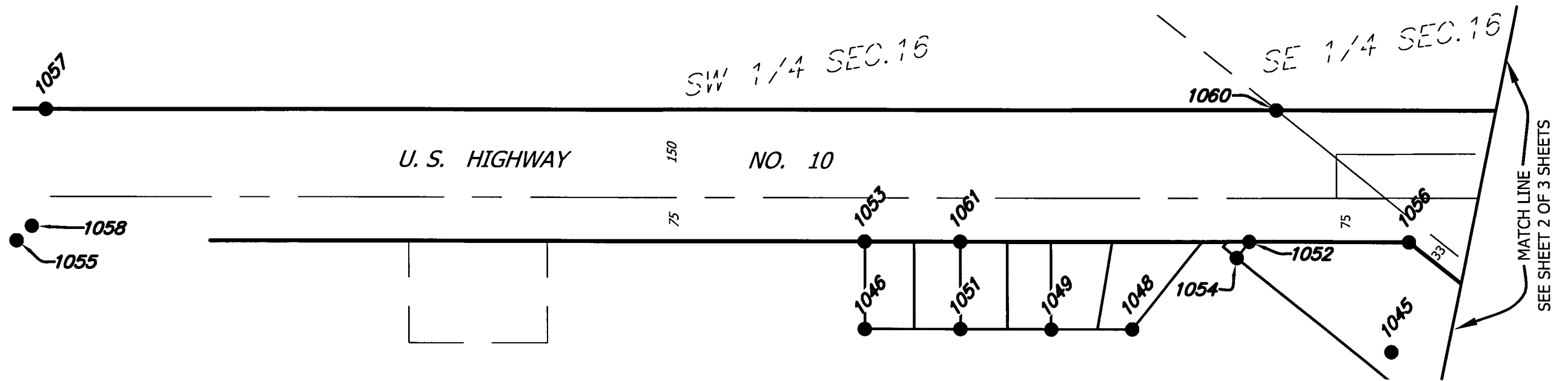
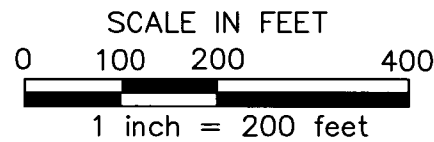
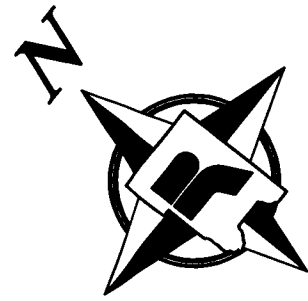
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**RAMSEY COUNTY PUBLIC WORKS**  
**LAND SURVEY/GIS DIVISION**  
 1425 PAUL KIRKWOLD DRIVE  
 ARDEN HILLS, MN 55112-3933  
 651-266-7100



# SURVEY MONUMENT REPLACEMENT EXHIBIT- U.S. HIGHWAY 10 & C.S.A.H. 96



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### LEGEND

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