

County Ditch Number 35

Culvert Number	Culvert Location (Cross street or Address)	Date Visited	Culvert Material	Culvert Size (inches)	Culvert Length (feet)	Culvert Condition	Culvert Flowing	Amount of Silt (feet) Up / Down	Upstream Invert Elev. (NGVD 29)	Downstream Invert Elev. (NGVD 29)	Benchmark Location (on Road crossings only)	Benchmark Elevation (NGVD 29)	Picture File Names	Notes	Recommendations
1	County Road No. 19 (Potomac Street), Columbus, MN	09/20/2012	CMP	36	50	good	yes	0.2 / 0.2	898.6	898.5	Anoka County BM at the SE corner of C.S.A.H. No. 18 & County Road No. 19 Rod in ground (Blue 26)	905.03	1-Up / 1-Down	Culvert has flared end section on each end.	None
2	7606 West Broadway Ave., Columbus, MN	09/19/2012	CMP	15	16	poor	dry	0.3 / 0	898.8	898.9			2-Up / 2-Down		REPLACE WITH 36" LOWEER 0.5 FEET
3	7606 West Broadway Ave., Columbus, MN	09/19/2012	RCP	37	9				898.0	898.4			3-Up / 3-Down	Culvert sections are seperated and are sitting in ditch. (See Pictures)	REMOVE OR REPLACE WITH 36"
4	C.S.A.H. No. 18 (Broadway Avenue), Columbus, MN	09/17/2012	CMP	48	80	good	yes	0.1 / 0.1	895.8	895.6	Lag Bolt in Power Pole #06033 on South side of C.S.A.H. No. 18 - 40 ft. west of Culvert No. 4.	902.32	4-Up / 4-Down	Culvert has flared end section on each end.	None
Bridge-1	17611 Potomac St. NE., Columbus, MN	09/17/2012											Bridge-1	Steel Bridge Coordinates, Approximate Center: 192495 / 548673	None
Bridge-2	17737 Potomac St. NE., Columbus, MN	09/17/2012											Bridge-2	Steel Bridge Coordinates, Approximate Center: 193563 / 548669	None
5	Ussuri Street, Columbus, MN	09/13/2012	CMP	48	42	fair	dry	0.1 / 0.3	897.2	897.2	RR Spike in Power Pole #117466 on East side of Ussuri St. - 50 ft. south of Culvert No. 5.	901.21	5-Up-A, 5-Up-B, 5-Up-C / 5-Down-A, 5-Down-B	Culvert is rusted and downstream end of culvert is damaged.	POSSIBLY LOWER 1 to 1.7 FEET
6 - Branch No. 1	181st Avenue, Columbus, MN	09/11/2012	CMP	24	44	poor	dry	0.1 / 0.9	901.7	902.0	RR Spike in Guy Pole #118890 on North side of 181st Ave. - 5 ft. east of Culvert No. 6.	903.70	6-Up-A, 6-Up-B / 6-Down-A, 6-Down-B	Bottom of pipe is rusted out. The invert elevation is based on 24" down from top of pipe.	REPLACE
Bridge-3 - Branch No. 1	PIN 35-33-22-31-0005, Columbus, MN	09/11/2012											Bridge-3	Wooden Bridge Coordinates, Approximate Center: 197503 / 554394	None
Bridge-4 - Branch No. 1	18442 Loyola St. NE., Columbus, MN	09/11/2012											Bridge-4	Wooden Bridge Coordinates, Approximate Center: 197870 / 554545	REMOVE OR REPLACE BRIDGE or 30" CULVERT
7 - Branch No. 1	PIN 35-33-22-21-0002, Columbus, MN	09/10/2012	RCP	24	19	good	no	0.7 / 0.1	889.2	889.4			7-Up / 7-Down		None
8 - Branch No. 1	PIN 35-33-22-21-0002, Columbus, MN	09/10/2012	CMP	30	40	good	dry	none	890.5	890.4			8-Up / 8-Down	Culvert has flared end section on each end.	None
9 - Branch No. 1	PIN 35-33-22-21-0002, Columbus, MN	09/10/2012	CMP	15	15	good	dry	none	888.9	888.8			9-Up / 9-Down-A, 9-Down-B		REPLACE WITH 30"
10 - Branch No. 1	8538 191st Ave. NE., Columbus, MN	09/11/2012	CMP	24	16	very poor	no	0.2 / 1.0	887.3 ± - GPS	886.4 ± - GPS			10-Up-A, 10-Up-B / 10-Down-A, 10-Down-B	Culvert is rotted away. (See Pictures)	REMOVE OR REPLACE WITH 30"
11 - Branch No. 2	Furman Street NE, Columbus, MN	09/20/2012	CMP	18	35	good	dry	none	903.3	902.9	RR Spike in Power Pole #122935 at the SW corner of C.S.A.H. No. 18 & Furman St.	909.16	11-Up / 11-Down	Culvert appears to be on easterly extension of Branch No. 2	None
12 - Branch No. 2	17123 Furman St. NE, Columbus, MN	09/20/2012	CMP	24	26	good	no	0.5 / 0.5	900.0	900.2			12-Up / 12-Down		None
13 - Branch No. 2	17123 Furman St. NE, Columbus, MN	09/20/2012	CMP	24	36	good	yes	0.1 / 0.5	899.5	899.5			13-Up / 13-Down		None

14 - Branch No. 2	7622 West Broadway Ave., Columbus, MN	09/20/2012	CMP	36	40	good	dry	none	898.2	898.4			14-Up / 14-Down	Culvert has flared end section on each end.	None
Culvert Number	Culvert Location (Cross street or Address)	Date Visited	Culvert Material	Culvert Size (inches)	Culvert Length (feet)	Culvert Condition	Culvert Flowing	Amount of Silt (feet) Up / Down	Upstream Invert Elev. (NGVD 29)	Downstream Invert Elev. (NGVD 29)	Benchmark Location (on Road crossings only)	Benchmark Elevation (NGVD 29)	Picture File Names	Notes	Recommendations
15 - Branch No. 3	7135 178th Ave. NE. - Up, 7237 178th Ave. NE. - Down, Columbus, MN	09/17/2012	CMP	15	Unable to determine	Unable to determine	no	Buried	Buried - Unable to determine	896.6±			15-Up-LinePT / 15-Down-A, 15Down-B		REPLACE WITH 30"
16 - Branch No. 3	Mackenzie Street, Columbus, MN	09/17/2012	RCP	36	38	good	no	0 / 0.4	897.4	896.8	Top NE corner of electric transformer pad - 20 ft. south of driveway to 17864 Mackenzie St.	901.82	16-Up / 16-Down	Culvert has flared end section on each end.	None
17 - Branch No. 3	7340 180th Ave. NE., Columbus, MN	09/13/2012	CMP	18	44	poor	dry	1.5 / 1.5	896.1	896.5			17-Up / 17-Down-A, 17-Down-B	Culvert ends are rotted away.	REPLACE WITH 42"
18 - Branch No. 3	7442 180th Ave. NE., Columbus, MN	09/13/2012	RCP	48	17	good	dry	1.0 / 1.2	897.1	897.1			18-Up / 18-Down		None
19 - Branch No. 4	Xingu Street NE, Columbus, MN	09/12/2012	CMP	24	37	good	dry	0.8 / 1.2	899.7	899.7	RR Spike in Power Pole #62286 at the SW corner of 179th Ave & Xingu St. NE	906.43	19-Up / 19-Down		None
20 - Branch No. 4	179th Avenue NE, Columbus, MN	09/12/2012	CMP	18	41	good	dry	none	899.1	898.6	RR Spike in Power Pole #62286 at the SW corner of 179th Ave & Xingu St. NE	906.43	20-Up / 20-Down	Culvert has flared end section on each end.	None
Bridge 5 - Branch No. 4	7755 179th Ave. NE., Columbus, MN	09/12/2012											Bridge-5	Wooden Bridge Coordinates, Approximate Center: 194572 / 550397	None
Bridge6 - Branch No. 4	7755 179th Ave. NE., Columbus, MN	09/12/2012											Bridge-6	Wooden Bridge Coordinates, Approximate Center: 194647 / 550440	None
21 - Branch No. 5	DNR Road (SE1/4 of SE1/4, Sec. 27, T.33, R.22), Columbus, MN	09/11/2012	CMP	48	46	good	yes	0 / 0.1	888.4± - GPS	888.2± - GPS			21-Up-A, 21-Up-B, 21-Up-C / 21-Down	The upstream ens has a water control structure.	None