

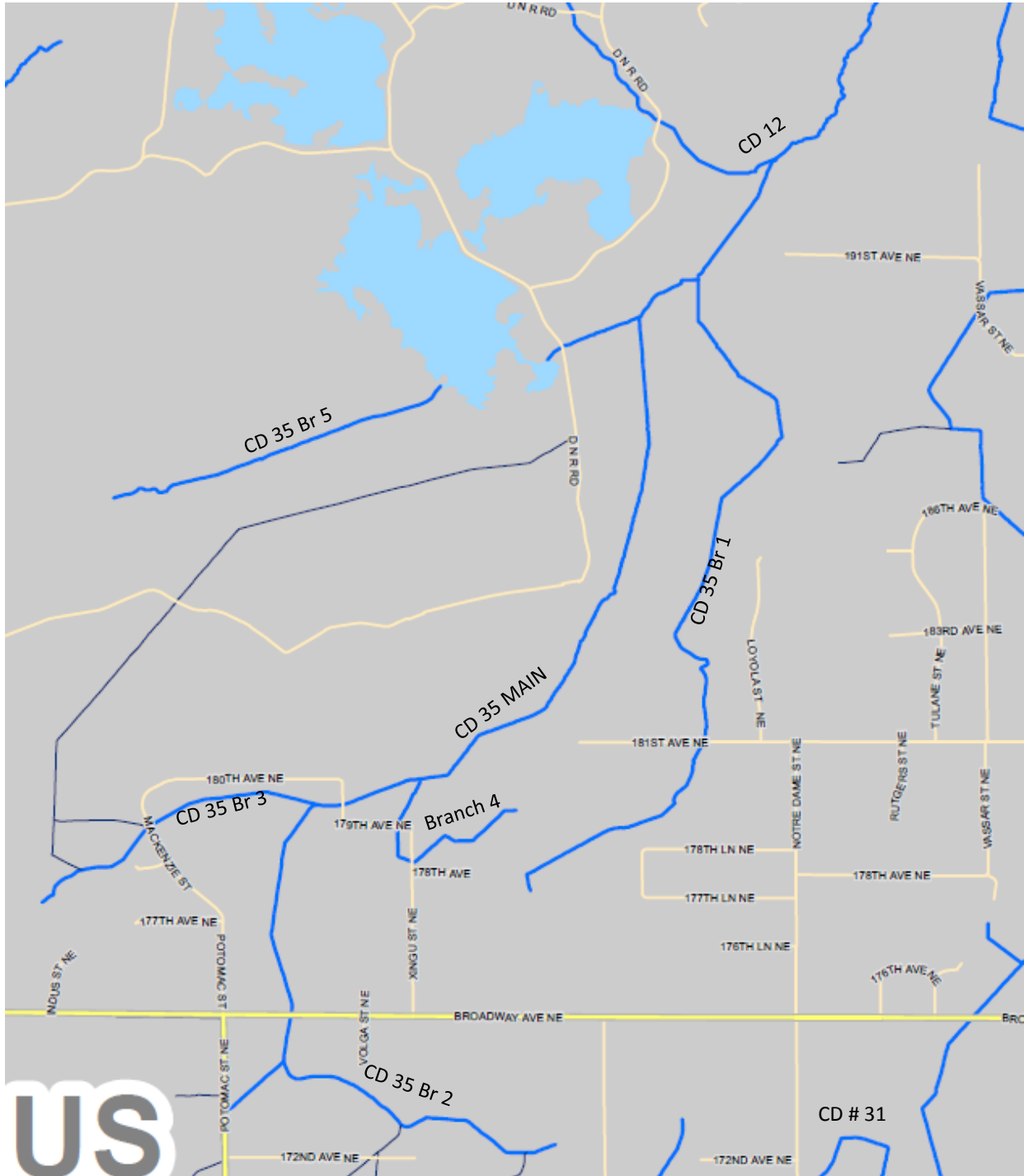
COUNTY DITCH #35

PUBLIC HEARING

On Obstructions in the Ditch

July 25th , 2013

10:00 AM



US

CD 35 Br 5

CD 12

CD 35 Br 1

CD 35 MAIN

CD 35 Br 3

Branch 4

CD 35 Br 2

CD # 31

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 crossings only) (on Road	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 Road 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" LOWER 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 separated 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., MN	09/17/2012											Bridge-1	Steel Bridge Coordinates, Approximate Center: 192495 / 548673	None
Bridge-2	17737 Potomac St. NE., MN	09/17/2012											Bridge-2	Steel Bridge Coordinates, Approximate Center: 193563 / 548669	None
5	Ussuri Street, 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., 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, Down-B		REPLACE WITH 30"
10 - Branch No. 1	8538 191st Ave. NE., 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 Road crossings only	(on	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 / 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 SW corner of 179th Ave NE	at the & Xingu St.	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 SW corner of 179th Ave NE	at the & Xingu St.	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, Up-C / 21-Down	The upstream end has a water control structure.	None

CULVERTS 2 & 3 MAIN DITCH

David and Deborah Thompson

7606 West Broadway

PIN # 03-32-22-33-0011

Remove or replace culvert 2, replace 0.5 feet lower with 36 inch

Remove or replace culvert 3, replace at current grade with 36 inch



David and Deborah Thompson

7606 West Broadway

PIN # 03-32-22-33-0011

Remove or replace culvert 2, replace 0.5 feet lower with 36 inch

Remove or replace culvert 3, replace at current grade with 36 inch





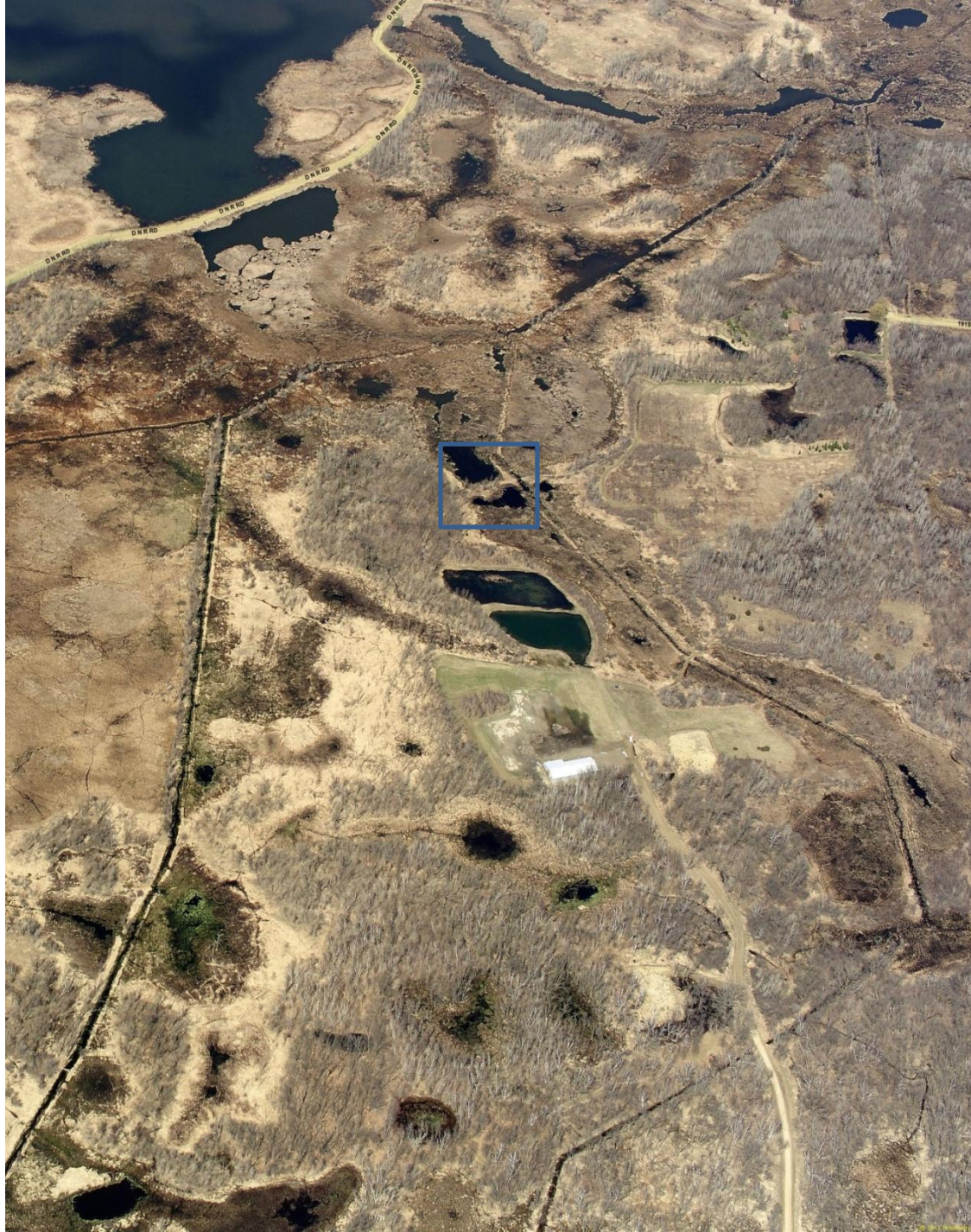
CULVERT 5 MAIN DITCH

City of Columbus
Replace Culvert 5 with 48 inch consider placing
1.7 feet lower

City of Columbus

Replace Culvert 5 with 48 inch consider placing 1.7 feet lower





CULVERT 10 BRANCH 1

James L Goergen and L A Walters

8538 191st Avenue NE

PIN # 26-33-22-34-0001

Remove or replace culvert 10 with 30"

James L Goergen and L A Walters
8538 191st Avenue NE
PIN # 26-33-22-34-0001
Remove or replace culvert 10 with 30"

10-Up-A Ditch 35



10-Up-B Ditch 35



10-Down-B Ditch 35



10-Down-A Ditch 35





CULVERT 9 BRANCH 1

John Gross

PIN # 35-33-22-21-0002

Remove or replace culvert 9 with 30"

Actions that have taken place since letter was sent out:

Mr. Gross has responded to the letter sent and indicated that a second culvert is in place. This culvert has been inspected and added to the inventory. No additional work is required at this location.

John Gross
PIN # 35-33-22-21-0002
Remove or replace culvert 9 with 30"



9A-Up Ditch 35



June 7, 2013

ADDITIONAL CULVERT AT LOCATION 9

9A-Down Ditch 35



June 7, 2013



Carl Parker

18442 Loyola St. NE

Columbus

PIN # 353322310007

Remove or replace bridge 4 with
bridge or 30" culvert

Actions that have taken place
since letter was sent out:

BRIDGE 4 BRANCH 1

Mr. Parker has called and indicated
that bridge has been removed.

Carl Parker

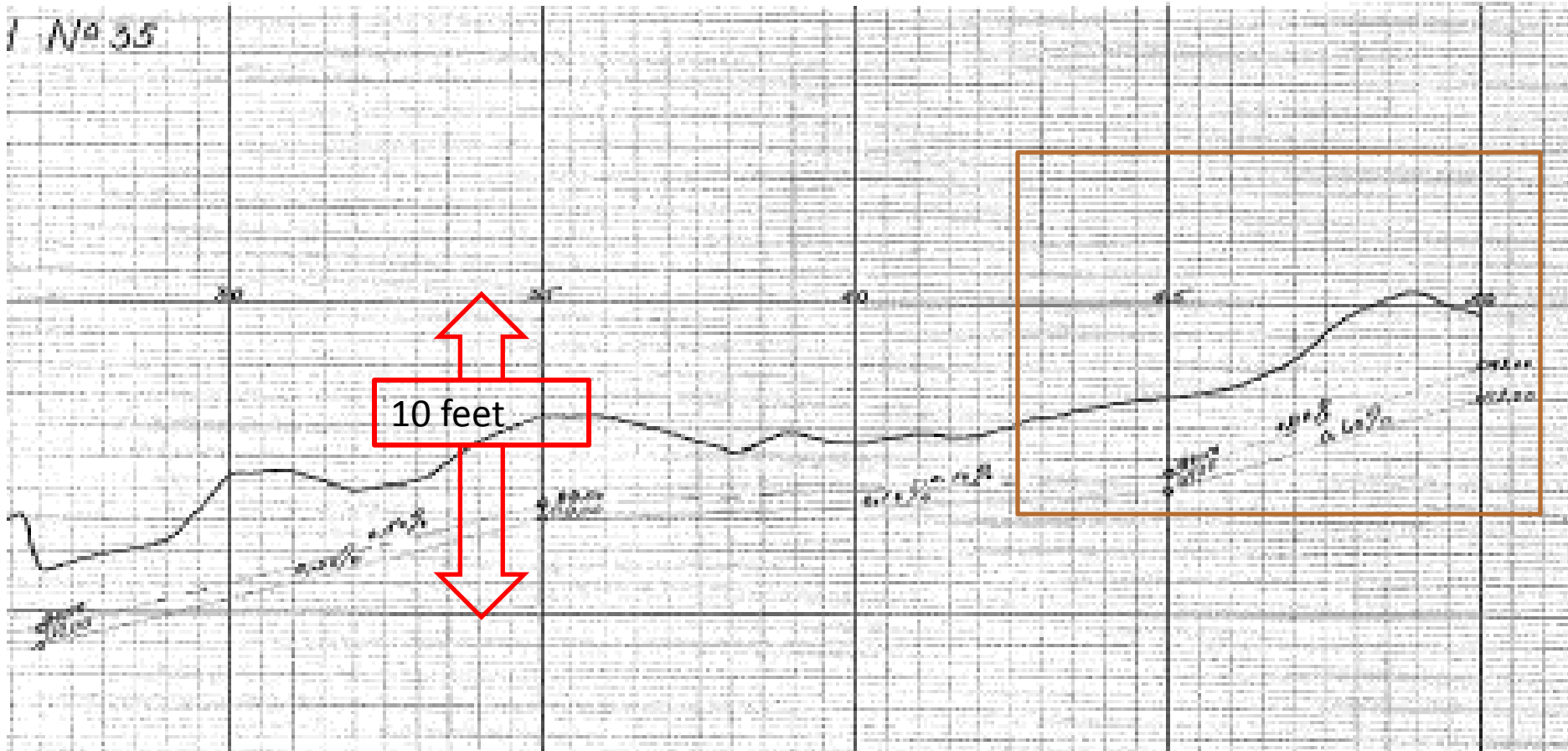
18442 Loyola St.NE

Columbus

PIN # 353322310007

Remove or replace bridge 4 with bridge or 30" culvert





Bridge 4 while in bad shape is located in an area of the ditch with a lot of fall, about 3.5 feet in 500 feet. Effect on drainage very localized, no impact on main ditch.

City of Columbus
Replace Culvert 6 replace with 24 inch

6-Up-A Ditch 35



SEP 11 2012

6-Up-B Ditch 35



SEP 11 2012

6-Down-A Ditch 35



SEP 11 2012

6-Down-B Ditch 35



SEP 11 2012

Jeffrey M and Penny Penn

7340 180th Avenue NE

Columbus

PIN# 04-32-22-11-0004

Culvert is outlet to pond

Remove 18 inch Culvert and replace

with 42"



Actions that have taken place since letter was sent out:

Mr. Penn has called and noted the existence of **bypass culverts** which are at an elevation about 2 feet higher than the original **culvert #17**

Jeffrey M and Penny Penn
7340 180th Avenue NE
Columbus
PIN# 04-32-22-11-0004
Culvert is outlet to pond
Remove 18 inch Culvert and replace with 42"



17A-Up Ditch 35



June 12, 2013

17A-Down Ditch 35



June 12, 2013

17B-Up Ditch 35



June 12, 2013

17B-Down Ditch 35



June 12, 2013

CULVERT 15 BRANCH 3

Trustees Michael and Sandra Charles
7135 178th Ave. NE
Columbus, MN 55025-8800

Culvert is under driveway to 7135, inlet end on property of:

Daniel R and Kim A Zimmerle
7237 178th Avenue NE
Columbus
PIN# 02-32-22-14-0007



Culvert is outlet to pond
Remove 15 inch culvert 15 and replace with 30"

15-Up-Line Pl Ditch 35



15-Down-A Ditch 35



15-Down-B Ditch 35



Trustees Michael and Sandra Charles
7135 178th Ave. NE
Columbus, MN 55025-8800

Culvert is under driveway to 7135, inlet end on property of:

Daniel R and Kim A Zimmerle
7237 178th Avenue NE
Columbus
PIN# 02-32-22-14-0007



CULVERTS 15 AND 17, ARE ON BRANCH 3 OF COUNTY DITCH 35. THE RESIDENTS HAVE DEVELOPED A SERIES OF PONDS ON THE DITCH AND EVEN AERATE ONE OF THE PONDS. I BELIEVE THESE PONDS HAVE NO EFFECT ON THE MAIN DITCH. I WOULD SUGGEST A LETTER ADVISING THEM THAT THEIR PONDS ARE ON A COUNTY DITCH AND THAT, IN THE UNLIKELY EVENT THAT A PROPERTY OWNER TO THE WEST OF THEM WANTS THE DRAINAGE THEY ARE ENTITLED TO, THESE OWNERS WOULD BE ORDERED TO RESTORE THE DRAINAGE. AN OPTION HERE WOULD BE TO SUGGEST THAT THE OWNERS INVOLVED PETITION TO HAVE BRANCH 3 ABANDONED UNDER MN STATUTE 103E.806 WEST OF THE NORTHWARD EXTENSION OF THE EAST R/W OF POTOMAC STREET.

RECOMMENDATIONS ON COUNTY DITCH 35 AND ITS' BRANCHES

- CULVERTS 2, 3, 5, ON THE MAIN DITCH BE REPLACED AS RECOMMENDED.
- CULVERTS 6 AND 9 BE REPLACED ON BRANCH 1 OF COUNTY DITCH 35.
- BRIDGE 4 AND THE REMAINS OF CULVERT 10 BE REMOVED ON BRANCH 1 OF COUNTY DITCH 35
- THAT THE PROPERTY OWNERS OF CULVERTS 15 AND 17 BE SENT A LETTER INDICATING THAT THEIR CULVERTS ARE AN OBSTRUCTION OF BRANCH 3 OF COUNTY DITCH 35 AND IN THE UNLIKELY EVENT THAT PROPERTY OWNERS TO THE WEST REQUEST THE DRAINAGE THEY ARE ENTITLED TO REQUEST THAT DRAINAGE, THEN THEY THE PROPERTY OWNERS WOULD BE RESPONSIBLE TO RESTORE THE DRAINAGE. AN OPTION HERE WOULD BE TO SUGGEST THAT THE OWNERS INVOLVED PETITION TO HAVE BRANCH 3 ABANDONED UNDER MN STATUTE 103E.806 WEST OF THE NORTHWARD EXTENSION OF THE EAST R/W OF POTOMAC STREET.

FOLLOWUP

I WANT EVERYONE TO KNOW THAT THESE CHANGES WILL IN FACT DO LITTLE TO IMPROVE THE FUNCTION OF THE ENTIRE DITCH SYSTEM ALTHOUGH THEY MAY HAVE SOME IMPACT ON LOCAL PERFORMANCE.

Below are some photos of the actual ditch near these culverts.



EAST FROM POTOMAC

NORTHEAST FROM MACKENZIE





NORTH FROM BROADWAY



EAST FROM URAL STREET



SOUTH FROM 181ST



NORTH FROM 181ST

ANOKA COUNTY BOARD ACTION REQUIRED

The Anoka County Board finds that Anoka County Ditch 35 is obstructed as shown in the Engineering Report presented and the individual landowner letters which were sent by certified mail. The Anoka County Board orders that those obstructions be removed by the responsible landowner before October 15, 2013. The County Board further requests that said landowners notify the County when said obstructions have been removed.