

AGENDA

**Drainage District 11 Landowner Meeting
Wednesday, August 03, 2022, 10:00 A.M.**

This meeting will be held electronically and in-person.

**To access the meeting call: 1-(312)-626-6799, when prompted enter meeting
ID code: 820 7567 2007**

You can also access the meeting online at:

<https://us02web.zoom.us/j/82075672007>

1. Open Meeting
2. Approve Agenda
3. Introductions/Attendance
4. DD 11 WO 331 - Discuss W Possible Action - Investigation Summary

Documents:

DD 11 WO 331 INVESTIGATION SUMMARY.PDF
DD11 INVESTIGATION RESULTS.PDF
INVESTIGATION MAP-WO-331-CGA PLAN.PDF

5. Comments/Discussion
6. Possible Action
7. Other Business
8. Adjourn Meeting

Drainage District:

#11

Investigation/Repair Summary:

- Employee of landowner in town of Buckeye reported broken tile intake in Block 10.
- Visual observation found a 3 foot +/- diameter blowout/sinkhole around the 12 inch metal intake on Main tile with water visible swirling in intake above the Main tile itself.
- Downstream of intake in Block 10, there are several large maple trees in close proximity of the assumed Main tile route.

Contractor Time and Materials (spent while CGA was on-site):

None as only visual observation was performed.

Additional Actions Recommended:

Based on the swirling water and the blowout/sinkhole around the intake, it appears that the Main tile is restricted downstream of the intake. Due to the type and proximity of the trees, this is probably due to tree roots plugging the Main tile. Moving forward, it is our recommendation that the District Trustees proceed with one of the following actions:

- Verify that the roots are the cause of the Main tile restriction either through CCTV or location/excavation of the Main tile at intervals and perform repairs as needed based on these results.
OR
- Assume that tree roots are the cause of the Main tile restriction and have all trees within 50 feet of the Main tile removed and the remaining stumps treated along with replacing the Main tile that is restricted.

It is our opinion that the costs of either of these options should be low enough that an Engineer's Report is not required by Iowa Code.





Drainage Work Order Request For Repair

Hardin County

Date: 5/9/2022

Work Order #: WO00000331

Drainage District: DDs\DD 11 (51024)

Sec-Twp-Rge: 23-88-22 **Qtr Sec:** _____

Location/GIS: 88-22-23-330-002

Requested By: Brooke

Contact Phone: (515) 855-8014

Contact Email: _____

Landowner (if different): _____

Description: DD 11 WO 331- Mid State Milling reports a broken tile intake on the west side of their building.

Repair labor, materials and equipment _____

Repaired By: _____ **Date:** _____

Please reference work order # and send statement for services to: Hardin County Auditor's Office
Attn: Drainage Clerk
1215 Edgington Ave, Suite 1
Eldora, IA 50627
Phone (641) 939-8111
Fax (641) 939-8245

For Office Use Only

Approved: _____ **Date:** _____



88222333 29007

88222333 29007

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D.D. No. 11

88222333 0002

LITREX

88222333 29007

Inspector's Project Diary

Project: DD 11, HARDIN Co. City of BUCKEYE WO #331			
CGA PN:	Days Charged:	Report No.	Proj. Mgr. <input checked="" type="checkbox"/>
Contractor: NA	WED.	Date: 5/11/22	LEE GAUNTINE
Superintendent: NA	Weather Conditions: HOT, HUMID, 2 days dry	Precip.: 0"	Temp. Hi: 92°
INSPECTOR: RANDY B.			Temp. Low: 70°
Time Arrived: 12:30	Time Left: 1:00	Contractor:	Time Left:
<p>1. General Remarks and Work Accomplished:</p> <p>ARRIVED @ 12" STEEL RISER @ NE CORNER OF SEMI PARKING LOT.</p> <p>SUCK HOUR 3/4 AROUND RISER, WATER OVER TOP OF CLAY MAIN, SWIRLING.</p> <p>IT HAS BLOCKAGE DOWNSTREAM. BIG 4'+ DIAMETER MAPLE TREES IN LOT DOWNSTREAM</p> <p>1 RISER AND 2 MORE STEEL 4" INTAKES TO SW QUAD. OF SECTS</p> <p>I'M SURE TILE IS LOADED WITH TREE ROOTS, BACKING UP WATER CAUSING BLOW-OUT @ 12" INTAKE.</p> <p>REMOVE TREES, REPLACE TILE, NOT CHEAP OR EASY FIX</p> <p>FIX, REPLACE INTAKE</p> <p>BROOKER: 515-855-8014 ; SHE SAID WATER POND IN GRASS AREA AND FORMED SINK HOLE.</p>			
2. Changes or Extra Work Ordered:			
3. Test Samples Taken:			
4. Visitors to Site:			
5. Other Work Crews or Project (utilities, subcontractors, etc.) and Work Done:			
6. Attachments (total sheets attached <u>0</u>):			

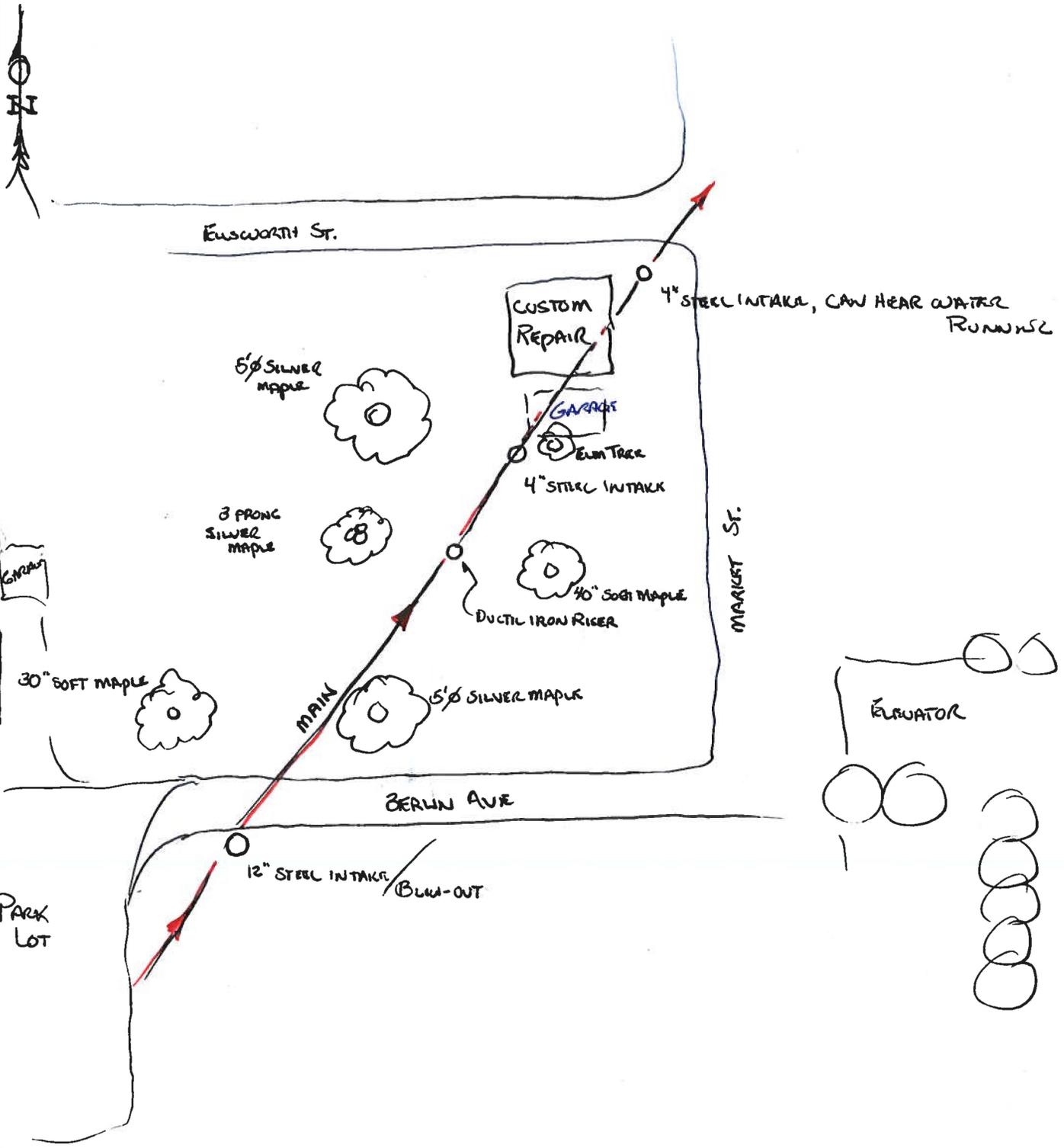
Inspector's Project Diary (continued)

CGA PN:

Report No.

Date:

1. General Remarks and Work Accomplished (Continued):



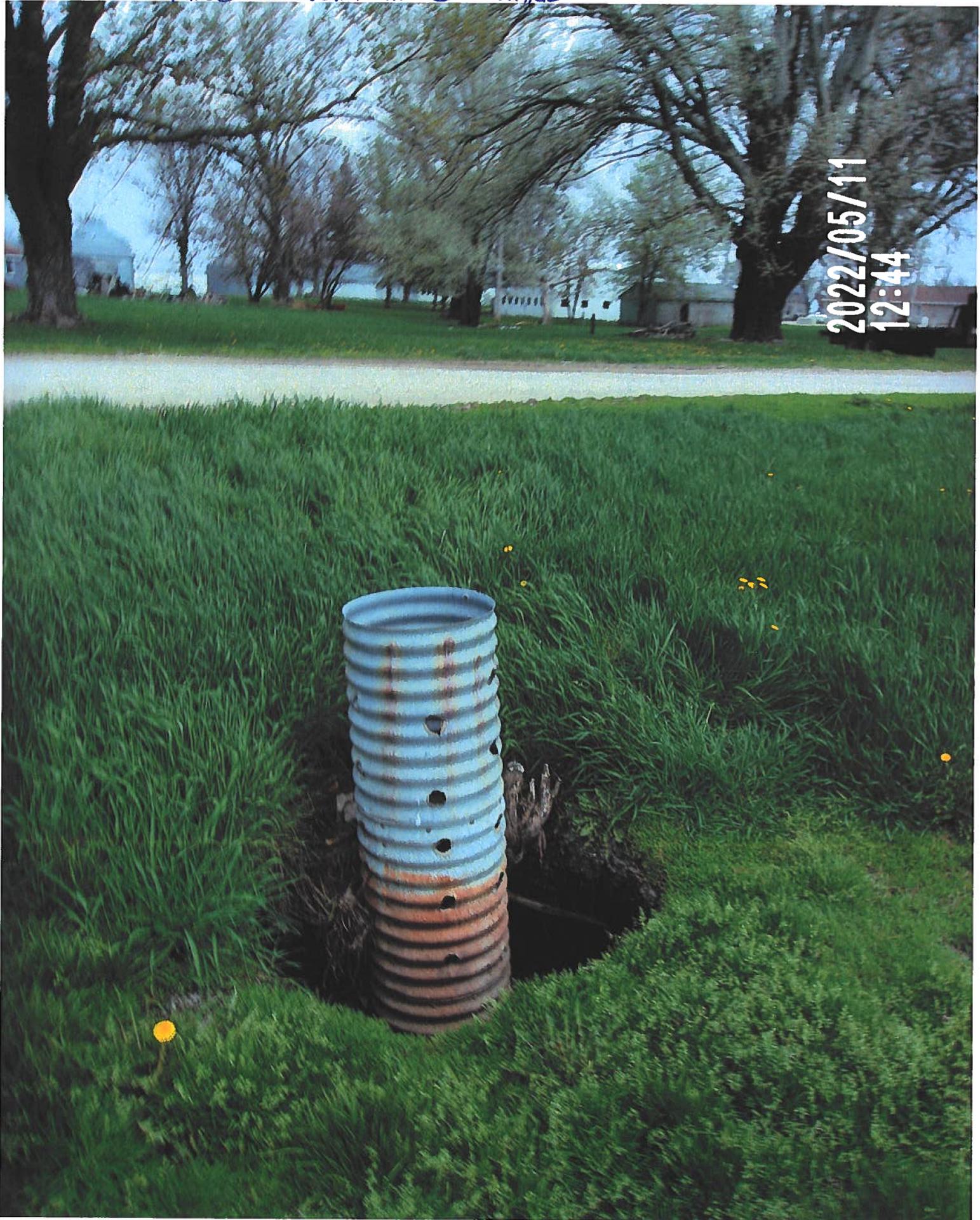
INTAKE ON S. SIDE BERLIN ST. AND NE COR SEMI; PARK LOT



2022/05/11
12:44

LOOKING DOWNSTREAM @ INTAKE

2022/05/11
12:44



INTAKE @ BERLIN AND PARK LOT

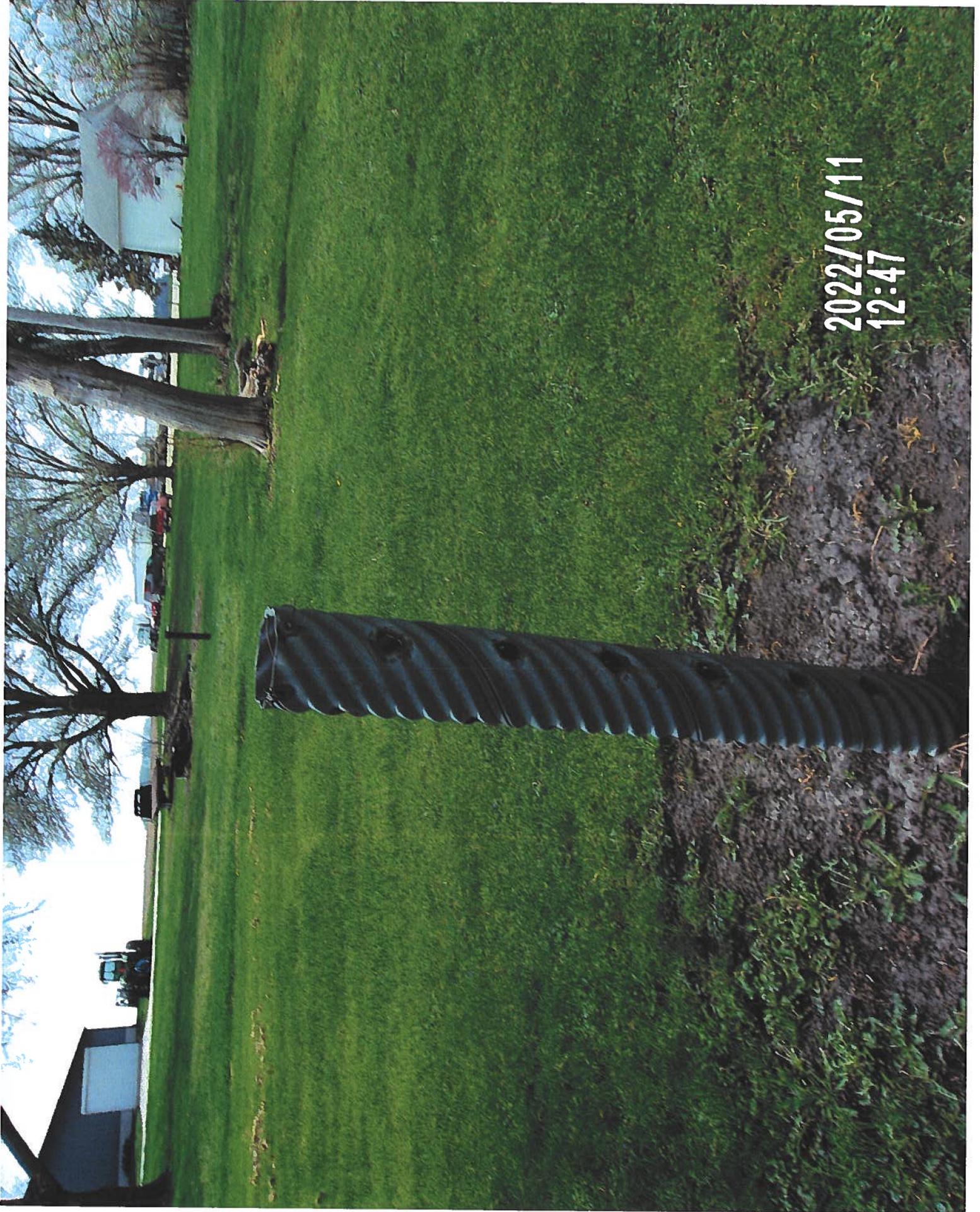


LOOKING DOWNSTREAM @ INTAKE BY SW COR. GARAGE



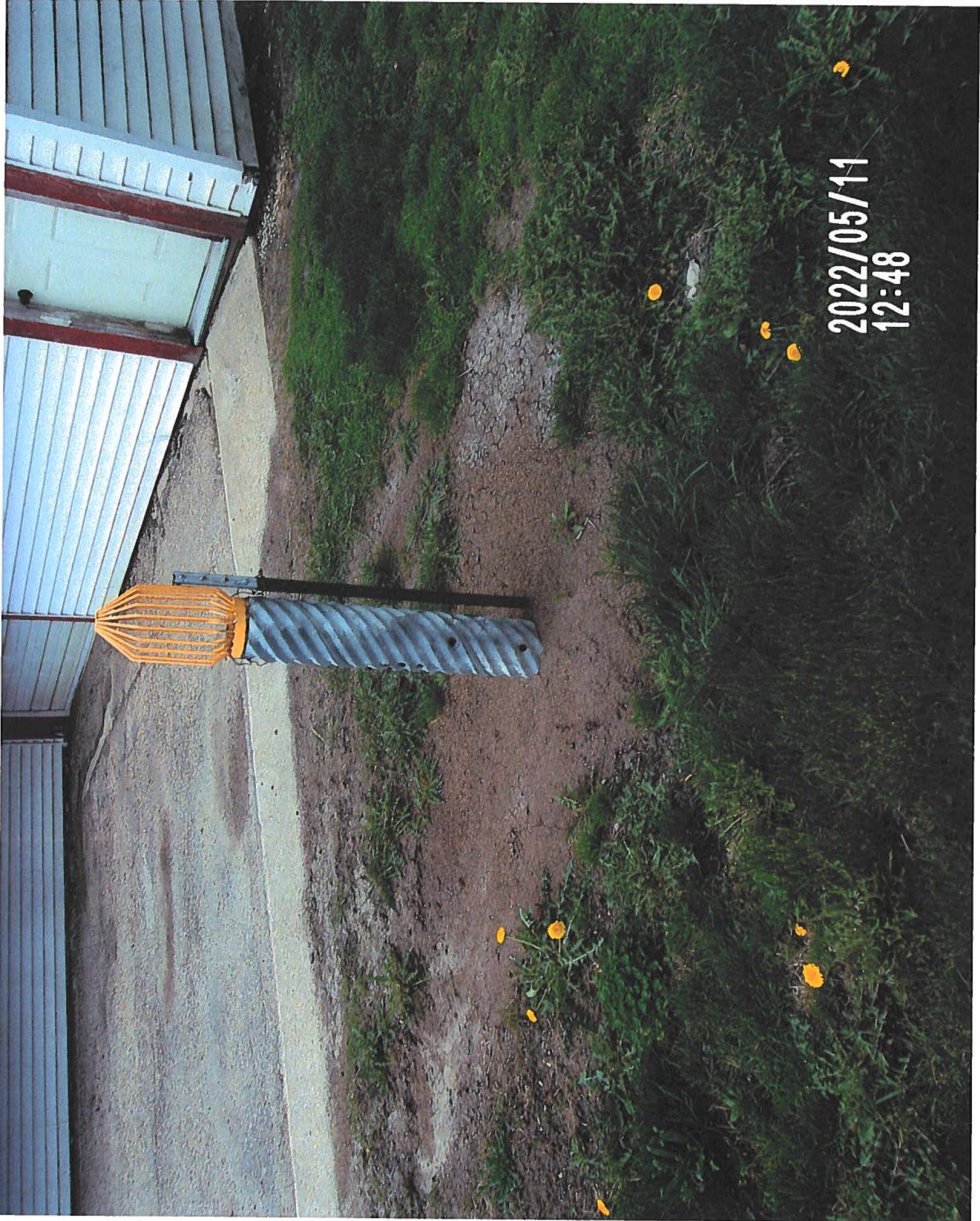
2022/05/11
12:47

• Looking upstream from intake @ SW cor. GARAGE

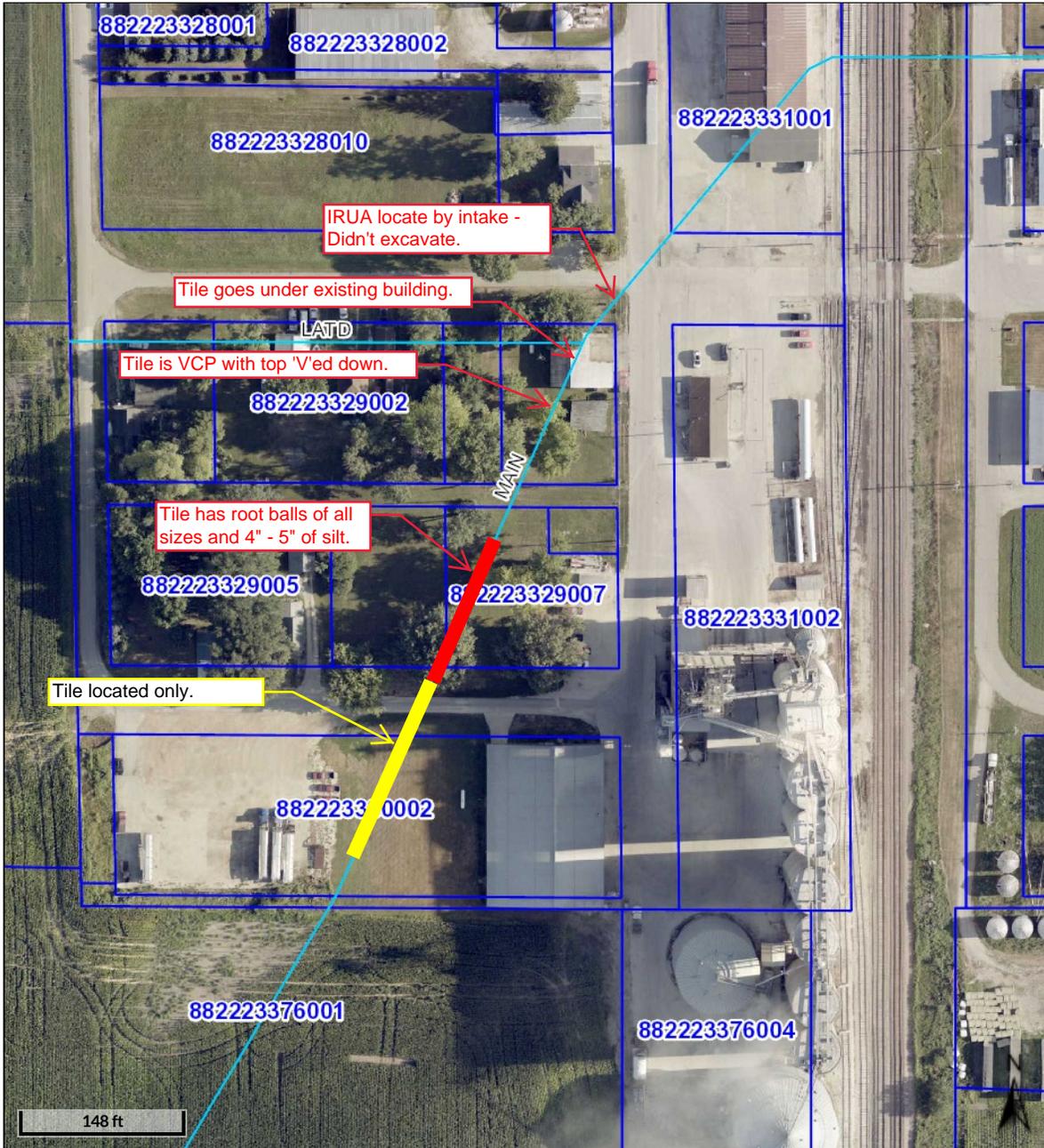


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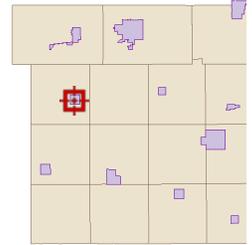
INTAKE @ SW COR. FULSWORTH AND MARKET ST.



2022/05/11
12:48



Overview



Legend

-  Corporate Limits
-  Political Township
-  Parcels
-  Drainage Tiles

Disclaimer: The maps included in this website do not represent a survey and are compiled from official records, including plats, surveys, recorded deeds, and contracts, and only contain information required for government purposes. No warranties, expressed or implied, are provided for the data herein, its use or its interpretation. Hardin County assumes no responsibility for use or interpretation of the data. Any person that relies on any information obtained from this site does so at his or her own risk. All critical information should be independently verified.

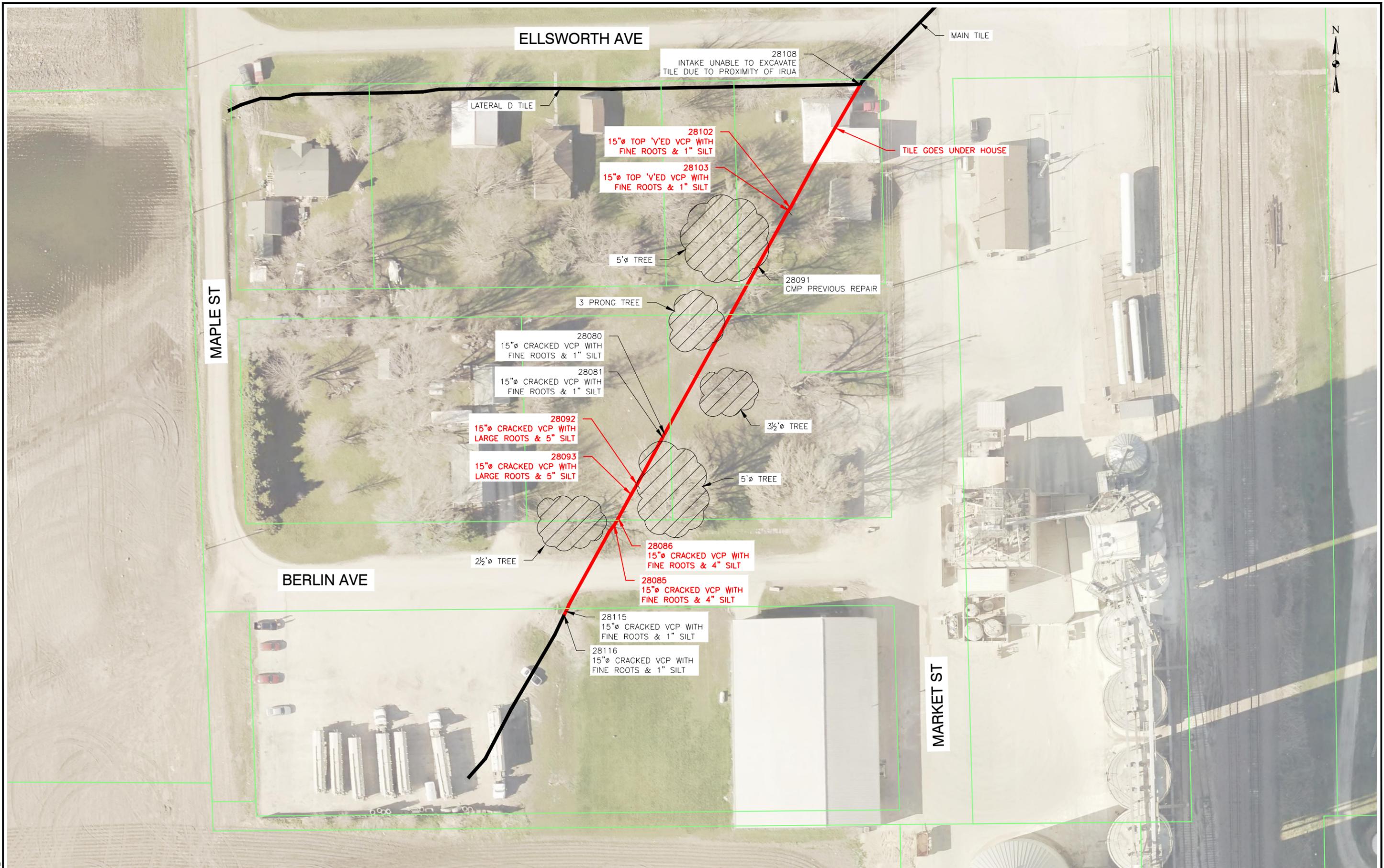
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Developed by  **Schneider**
GEOSPATIAL

DD #11

WO #331



ELLSWORTH AVE

MAIN TILE

28108
INTAKE UNABLE TO EXCAVATE
TILE DUE TO PROXIMITY OF IRUA

LATERAL D TILE

28102
15"Ø TOP 'V'ED VCP WITH
FINE ROOTS & 1" SILT

TILE GOES UNDER HOUSE

28103
15"Ø TOP 'V'ED VCP WITH
FINE ROOTS & 1" SILT

5'Ø TREE

28091
CMP PREVIOUS REPAIR

3 PRONG TREE

28080
15"Ø CRACKED VCP WITH
FINE ROOTS & 1" SILT

28081
15"Ø CRACKED VCP WITH
FINE ROOTS & 1" SILT

3½'Ø TREE

28092
15"Ø CRACKED VCP WITH
LARGE ROOTS & 5" SILT

28093
15"Ø CRACKED VCP WITH
LARGE ROOTS & 5" SILT

5'Ø TREE

2½'Ø TREE

28086
15"Ø CRACKED VCP WITH
FINE ROOTS & 4" SILT

28085
15"Ø CRACKED VCP WITH
FINE ROOTS & 4" SILT

BERLIN AVE

28115
15"Ø CRACKED VCP WITH
FINE ROOTS & 1" SILT

28116
15"Ø CRACKED VCP WITH
FINE ROOTS & 1" SILT

MARKET ST



MAPLE ST



NO.	REVISION	BY	DATE	NO.	REVISION	BY	DATE

CGA Clapsaddle-Garber Associates, Inc.
Toll Free (800) 542-7961
www.cgaconsultants.com

DESIGNED: #### DATE: ####
DRAWN: #### DATE: ####
CHECKED: #### DATE: ####
APPROVED: #### DATE: ####

DRAINAGE DISTRICT #11
HARDIN, IOWA

MAIN TILE INVESTIGATION

PROJECT NO. 6756.8
SHEET NO. 1 of 1

J:\6756-0-D\Drawings\3_ Exhibits\6756-0-Investigation Map-WD-331.dwg - CGA Plot - 08-01-22 - 4:22pm - Z03343