

AGENDA
REGULAR DRAINAGE MEETING
Monday, June 22, 2020 10:30 AM
Large Conference Room

Due to Covid-19 health concerns, this meeting will be open to the public via conference call only. The meeting date and time will remain the same. You may call at that time to access the hearing by following the instructions below:

To access the meeting call: 1-(312)-626-6799, when prompted enter meeting ID code: 662 016 552

You can also access the meeting online at:

<https://zoom.us/j/662016552>

1. Open Meeting
2. Approve Agenda
3. DD H-F 2 WO 286 - Discuss W Possible Action - Request For Tile Upsize
DD H-F 2 - Landon Aldinger has requested a tile upsize on Joint Drainage District H-F 2, Hardin County WO # 286. Franklin County Trustees will also be in attendance electronically for discussion on this Joint Drainage District work order.

Documents:

[DD H-F 2 WO 286.PDF](#)

[DD H-F2 WO 286 INVESTIGATION SUMMARY 05_14_20.PDF](#)

4. Other Business
5. Adjourn Meeting



Drainage Work Order Request For Repair

Hardin County

Date: 3/5/2020

Work Order #: WO00000286

Drainage District: DDs\DD H-F 2 (51211)

Sec-Twp-Rge: 01-89-21 **Qtr Sec:** NW Corner, SW Corner

Location/GIS: 89-21-01-200-001

Requested By: Landon Aldinger

Contact Phone: (515) 689-1842

Contact Email: laldinger@gmail.com

Landowner (if different): Arlene Hamilton

Description:

DD H-F 2 - Landon Aldinger reports tile is not flowing like it should, and has had standing water at odd times of the year, and excessive water this past season, unlike years past. Landon included a crop yield map. Landon is requesting investigation.

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:** _____



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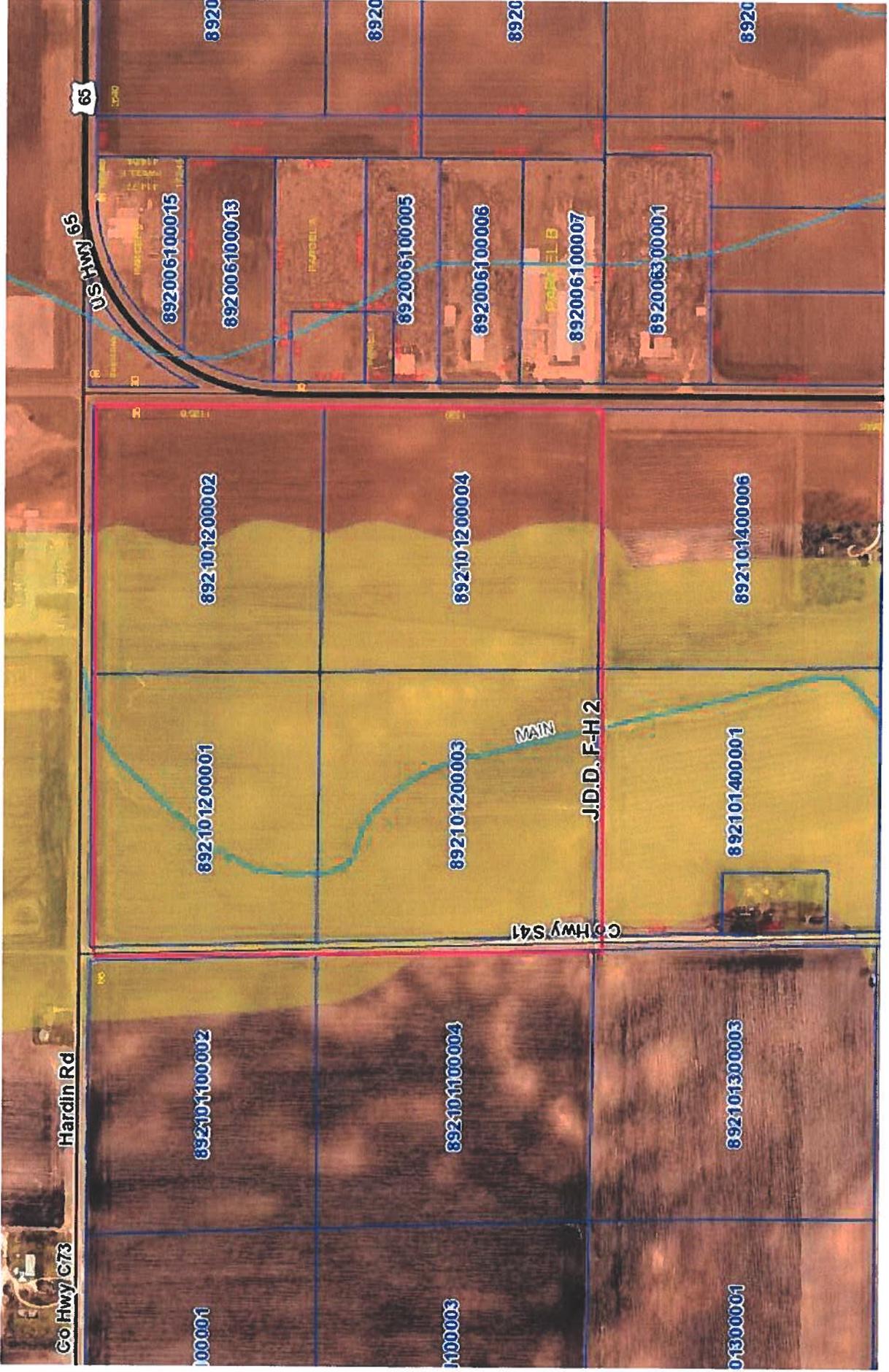
Repaired By: _____ **Date:** _____

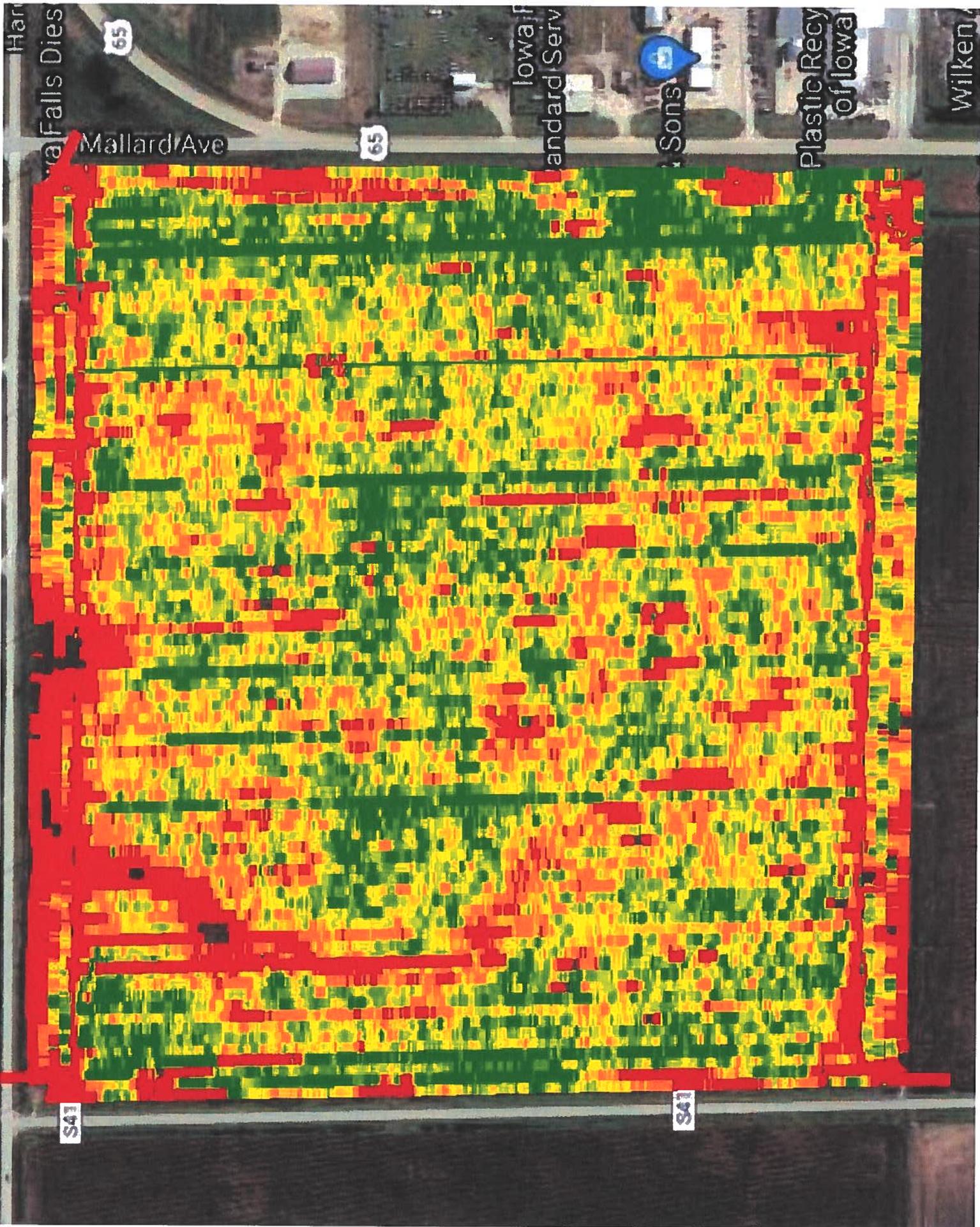
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Approved: _____ **Date:** _____





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RESOLUTION 2016-18

FRANKLIN COUNTY
INVESTIGATION OF DRAINAGE DISTRICTS PER REQUESTS

NOW, on this 31st day of May, 2016, the following resolution was presented to the Board of Supervisors acting as Drainage District Trustees:

WHEREAS, said Trustees believe that it is in the best interests of drainage districts that individuals, landowners, or entities making requests for district investigation of repairs be responsible for the costs of those investigations in the event that the source of the need for repairs would be privately owned tile and not part of the drainage district facilities or no problem is found and the drainage district facility is anything other than open ditch.

BE IT RESOLVED that in the event any individual or entity makes a request to the drainage district to investigate proposed repairs which require the district to expend funds to determine the location of needed repairs, feasibility of repairs, or any other costs incurred in connection with investigating the request and that in the event in the course of investigation it is discovered that the drainage tile or related structures needing repair are not under the drainage district's control, then the individual, landowner, or entity requesting the investigation shall be responsible for payment of any expenses incurred by the district. If said investigation results in no problem discovered, said requestor is responsible for payment of any expenses incurred by the district. This does not apply to drainage district facilities that are open ditches. If the investigation in the district finds a problem with district facilities, then said district will be responsible for payment of any expenses incurred by the district as allowed by Iowa Code.

The Board of Supervisors acting as Drainage District Trustees authorize the Franklin County Auditor to prepare the necessary form for the individual, landowner, or entity to execute prior to any investigation (except open ditches) in a form necessary to carry out the intent of this resolution.

BE IT DULY ADOPTED this 31st day of May, 2016, with the vote thereon being as follows:

AYES: Eberling, McVicker, Nolte
NAYS:
ABSENT/NOT VOTING:

I have read and agree to the terms of this Resolution:

FRANKLIN COUNTY BOARD OF SUPERVISORS

Corey Eberling
Corey Eberling, Chairman

Gary McVicker
Gary McVicker

Michael Nolte
Michael Nolte

Requestor

Date

Drainage District

ATTEST:
Michelle S. Giddings
Michelle S. Giddings, Auditor & Clerk to Board

Drainage District:

H-F #2

Investigation/Repair Summary:

- Landowner in the NE¼ of Section 1, Township 89 North, Range 21 West reported inadequate drainage performance of the Main tile, with occasional standing water which was worse over the last year.
- Visually observed the assumed Main tile route between the outlet in the NW¼ NE¼ of Section 12, and County Highway C73 (north side of the property affected) and found the following:
 - Excessive moisture was observed in the affected property near the assumed Main tile route on the south side of County Highway C73 (no intakes visible at County Highway C73).
 - The 24-inch VCP tile outlet at the concrete headwall was found to be freely flowing with some water found to be leaking along the bottom side and no rodent guard. On the upstream side of the headwall significant erosion has taken place, exposing the tile.
 - Only one area on the affected property was found to have signs of potential problems within the tile. A slight depression in the soil with tile shards on the surface were found on the side of the grass swale on the assumed Main tile route.

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

None recorded as only visual observation was performed.

Additional Actions Recommended:

Further investigation is necessary to determine what is causing the reduction in drainage for the described property. CGA recommends the following:

- Excavate at County Highway C73 north of the affected property and use a tile locator to determine if the Main tile runs beneath the areas of excessive moisture as well as to determine if any blockages exist within the flowline.
- Excavate at the location where the depression and tile shards were found to determine if a collapse may have occurred on the Main tile, and repair if necessary.

CGA also recommends that the soil at the Main tile outlet headwall be re-graded and stabilized with engineering fabric and erosion stone and a rodent guard installed at the outlet.



CONSTRUCTION ENGINEERING
OBSERVATION REPORT

DATE:

5/4/20

DAYS OF WEEK:

S M T W T F S

SHEET NO.

1 OF 1

PROJECT NUMBER:

6849

COUNTY, ROUTE, ROAD:

DD H-F 2

LOCATION:

Co Hwy 541 AND C73, SE Quad.

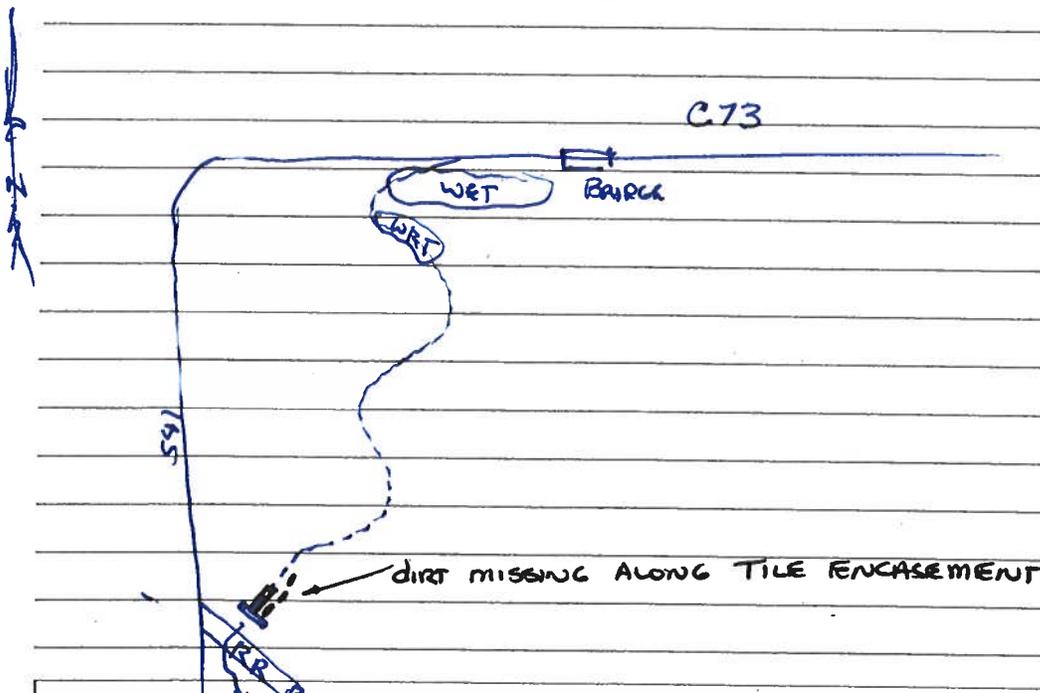
DESCRIPTION OF WORK AND MATERIAL USED FOR EACH OPERATION, INCLUDING CONTRACTOR/SUB NAME, ITEM NO. AND LOCATION

Cloudy, 55°, Breezy From East, dry conditions

Drove to 1/4 1/4 cor. where DD H-F 2 crosses C73 @ wet spots in field. When ever it rains, water sits on both sides of C73. Could not find any intakes where I think it should cross.

Drove to south to find outlet. At old RR bridge on E. side of 541, found outlet in conc. headwall, 24" clay tile flowing cleanly and dropping into creek on N. side old RR bridge.

Clay tile is washed out with dirt missing upstream from headwall. Tile is incased in concrete. Walked upstream to investigate any problems found none. Found very few tile chards on route clearly marked out by lay of the land. To investigate further I would dig up tile @ south prop. line, locate tile to north, and make sure wet spots have tile going thru them.



I Certify that the work described in this report was incorporated into this contract unless otherwise noted.

Observer's Signature:

[Handwritten Signature]

Date Prepared:

5/4/20

Reviewed by:

Engineer

Date Reviewed

STANDING ON OLD RR BERM, LOOKING N. @ HEADWALL



HEADWALL IS FUNCTIONING WELL, HAS LEAK @ BOTTOM TILE.



BACKSIDE OF HEADWALL, CLAY TILE IS ENCASED IN CONC



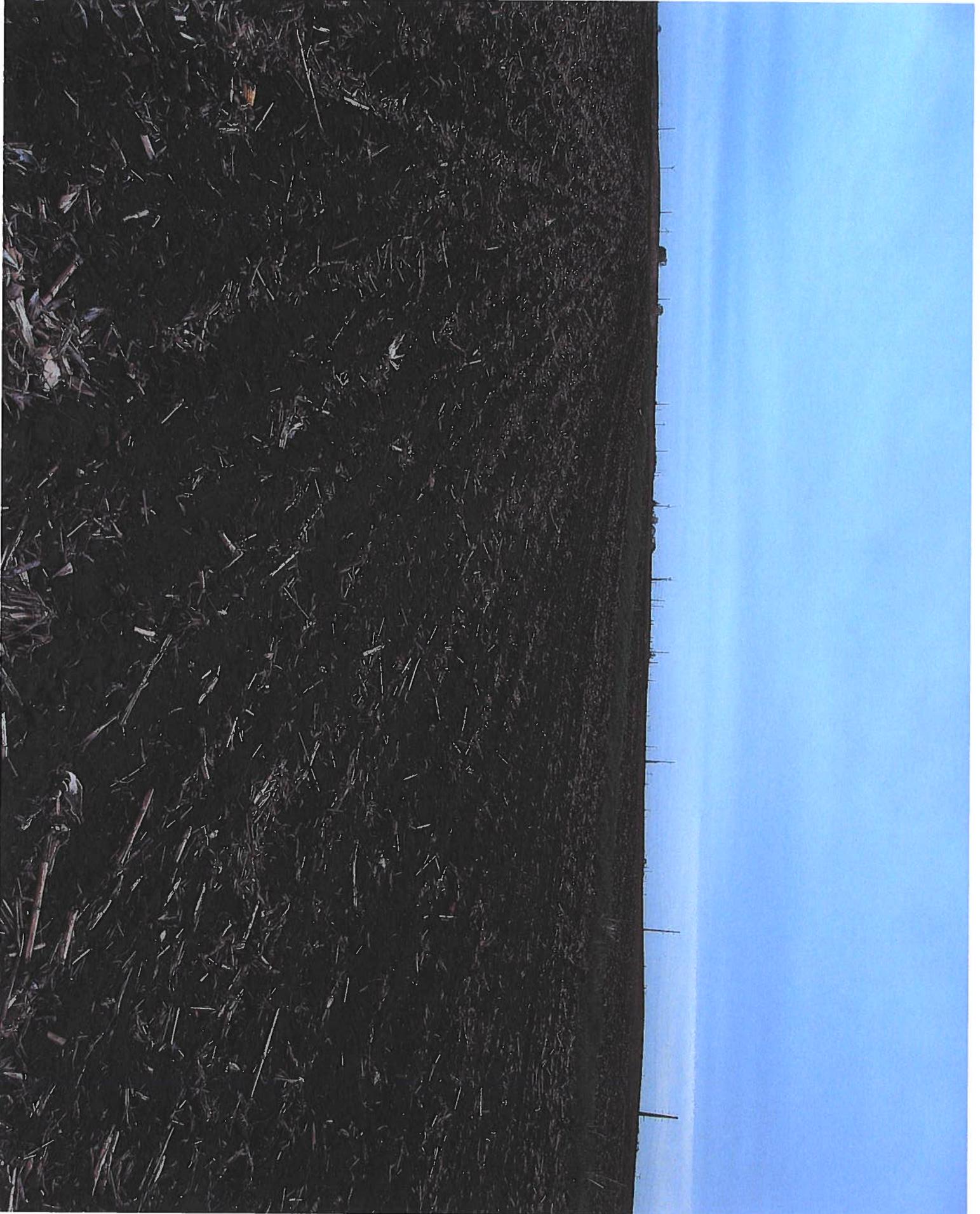
WATER ERODING CONC. ENCASUREMENT @ HEADWALL



LOOKING UPSTREAM IN GRASS SWALE



LOOKING UPSTREAM ON TILE ROUTE



LOOKING NW ON TILE ROUTE



· LOOKING NORTH, ALMOST TO LANDOONS FIELD



SLIGHT DEPRESSION WITH TILE CHARD, BIG TILE.



TILE ROUTE LOOKING N. @ (E-W) SOUTH PROP LINE



LOOKING N-W IN LANDONS FIELD Co. Hwy INTERSECTION IN BACKGROUND

