

AGENDA
REGULAR DRAINAGE MEETING
September 27, 2019 at 11:00 AM

1. Open Meeting
2. Approve Agenda
3. Approve Minutes
 - Regular Drainage Meeting 8/27/2019
 - Regular Drainage Meeting 9/4/2019
 - Regular Drainage Meeting 9/11/2019
 - Regular Drainage Meeting 9/18/2019

Documents:

[8_27_2019 - DRAINAGE MINUTES.PDF](#)
[9_4_2019 - DRAINAGE MINUTES.PDF](#)
[9_11_2019 - DRAINAGE MINUTES.PDF](#)
[9_18_2019 - DRAINAGE MINUTES.PDF](#)

4. DD 9 - Discuss, With Possible Action, District Tile In Railroad Right Of Way
5. DD 167 - Discuss, With Possible Action, Repair Summary For Work Order 260

Documents:

[DD167WO260 REPAIR SUMMARY.PDF](#)

6. Discuss, With Possible Action, IRUA
7. Discuss, With Possible Action, Open Ditch Bid Letting
 - What is included?
8. Other Business
9. Adjourn Meeting

REGULAR DRAINAGE MEETING

8/27/2019 - Minutes

1. Open Meeting

Hardin County Board of Supervisors Chairperson, Renee McClellan, opened the meeting. Also present were Supervisors, Lance Granzow and BJ Hoffman; Lee Gallentine with Clapsaddle-Garber Associates (CGA); County Engineer Taylor Roll; Mike Bourland and Dennis Barrick; Landowner Steve Perry, Brent Perry and Brian Perry; Drainage Clerk, Becca Junker.

2. Approve Agenda

Granzow moved, Hoffman seconded to approve the agenda and move DD 22 discussion to the top. All ayes. Motion carried.

3. Approve Minutes

Hoffman moved, Granzow seconded to approve the minutes of the July 31, 2019, August 7, 2019, and August 14, 2019 regular drainage meeting. All ayes. Motion carried.

4. Approve Claims For Payment

Hoffman moved, Granzow seconded to approve the claims dated August 30, 2019. Granzow asked for more information on DD 34 before approving the payment in full. All nay. Motion denied.

Hoffman moved, Granzow seconded to approve the claims dated August 30, 2019 excluding Hands On for \$6,516.04. The total will be paid in full once there is more information given to the Trustees. All ayes. Motion approved.

4.I. DD 34 - Discuss, With Possible Action, Rock Curtain Wall Invoice

Junker informed the Trustees that Hands On sent an invoice from last October. The minutes from this project stated this fix was not to exceed \$5,000. The invoice that was sent was for a total of \$6,516.04 and Handsaker was asking for it to be paid in full because as they got into the work it ended up being more erosion than what was anticipated which took more time and rock to replace. He went on to say that normally, this repair is completed on a time and material bases. Hoffman said the delay between the time the approval was given, likely made the situation worse.

5. DD 102 - Discuss, With Possible Action, Wetlands Project

Bourland went over his responses to the questions Lee Gallentine submitted him.

Hoffman moved, Granzow seconded for Junker to send the documentation from Mike Bourland to Mike Richards for review and response by next week. All ayes. Motion carried.

Hoffman moved, Granzow seconded for Junker to set up a landowners meeting for next Wednesday, September 4, 2019 at 1:00 PM in the large conference room at the Hardin County Courthouse. Junker was instructed to get the notice out to landowners as soon as possible. All ayes. Motion carried.

A few questions were asked about the Main tile and a lateral and if they will need to change because of the wetland. Gallentine recommended talking to the attorney about these questions to get clarification on what is legally best. Granzow instructed Junker to see if Mike Richards, or a colleague, could be conference called into the meeting next week.

Perry's then asked about taxes, Bourland told them that some counties have the slough bill which will reduce taxes. The Trustees recommended the Perry's check with the Assessor.

6. Acknowledge, With Possible Action, Radcliffe Telephone Tile Repair

Granzow moved, Hoffman seconded to acknowledge the photos submitted by Radcliffe Telephone for the tile repair. All ayes. Motion carried.

7. DD 9 - Discuss, With Possible Action, Investigation Summary For Work Order 257

Trustee's decided to wait for the Main Tile to be repaired before moving further. No motion.

8. DD 55-3 Lat 9 - Discuss, With Possible Action, Investigation Summary For Work Order 251

Gallentine explained that Scott Thompson was worried about the open ditch affecting his septic system, so he excavated the open ditch to a pond area. Granzow asked if the Trustees had told him no in the past and Gallentine said yes, they said no until Thompson had engineer's plans and drawings, but Thompson did it anyways. Gallentine said when CGA was out there, they did not see anything effecting his septic system but it's also not showing.

While on site, they did come to the conclusion that the pond needs to be regulated by some sort of agreement for future maintenance and ownership. Especially, since he has already been told once. Gallentine went on to say that the pond has some pretty steep side slopes that could erode, they need to be flattened or seeded. The pond also goes into the road right of way, so Roll needs to be made aware of that. Granzow said that Thompson has been directly on exactly what he needed to do before he excavated a pond, and he did not.

Granzow moved, Hoffman seconded to inform Taylor Roll of the pond so that he can do his own investigating and come with his concerns. He also instructed Junker to contact Mike Richards to create an agreement of the counties choosing of what it states, which includes all damages 100% the landowner's responsibility. If he does not want to sign the agreement, the open ditch will be returned to it's original condition at the landowners cost, by the contractor of the Trustee's choosing. He went on to explain that the open ditch is a district facility and is not Thompson's to mess with or make changes to. All ayes. Motion carried.

Granzow went on to say that if Thompson thought it was impeding his leach field/septic he should have brought it to the attention of the Trustees through the DNR and our Sanitarian and none of that was done. There are processes in place, and he did not follow any of them.

9. Big Four Main - Discuss, With Possible Action, Repair Summary For Work Order 250

Gallentine went over the findings in the repair summary. Granzow moved, Hoffman seconded to have CGA put this work order into the lottery and get it repaired. All ayes. Motion carried.

10. DD 124 - Discuss, With Possible Action, Repair Summary For Work Order 259

Gallentine went over the findings in the repair summary. Hoffman moved, Granzow seconded to have CGA contact landowner, Steve Kjormoe, and see if it has gotten better or have him meet on site to get more information and then come back and make a recommendation. All ayes. Motion carried

11. DD 55-3 Lat 9 - Discuss, With Possible Action, Repair Summary For Work Order 224

Gallentine went over the findings in the repair summary. Hoffman moved, Granzow seconded to have CGA send this work order to the lottery to remove the trees and brush within 50 feet of the tile and replace the tile. All ayes. Motion carried.

12. Other Business

DD 22

Roll explained Gehrke is working on this project and was concerned with the historical backfill that was drawn up. It was brought to the attention of the Trustees this was drawn up this way because last time there was a project, Randy Silvest had expressed concern that the road was sinking and had to bring gravel out himself. Ever since that project, plans are always drawn up with a full depth rock at road crossings. After discussion with Heather Thompson it was determined that Gehrke did not notice that detail in the plans and did not bid it that way so they asked CGA if they could vary from that Thompson told Gehrke that was a Trustee decision. However, Gehrke then called Roll and told him he would do two feet of rock and then fill the rest in with dirt, Roll said he was not opposed to that but would talk to the Trustees and then let him know. Roll is not opposed to this way of doing it, he said since the road is gravel it is a lot easier to get out and fix sinking that might happen. Granzow stated that to do it correctly, there needs to be a change order with a price reduction or fill the rock per contract. Roll agreed and said he does not care either way.

Granzow moved, Hoffman seconded to put a cease to their work, unless they are going to do it per contract, until they get a change order with price reduction submitted. All ayes. Motion approved.

DD 25

McDowell called Gallentine and should be starting this project this week.

Franklin County Contractor

Gallentine mentioned that a contractor from Franklin County contacted Junker and showed interest in getting jobs in Hardin County. Granzow said that was fine to put him in the lottery, as long as in county contractors are contacted first.

13. Adjourn Meeting

McClellan moved, Hoffman seconded to adjourn the meeting. All ayes. Motion carried.

REGULAR DRAINAGE MEETING

9/4/2019 - Minutes

1. Open Meeting

Hardin County Drainage District Board of Trustee Chairperson, Renee McClellan, opened the meeting. Also present were Trustees, Lance Granzow and BJ Hoffman; Landowner, Neil Martin; Lee Gallentine with Clapsaddle-Garber Associates (CGA); Drainage Clerk, Becca Junker.

2. Approve Agenda

Hoffman moved, Granzow seconded to approve the agenda as provided. All ayes. Motion carried.

3. DD 167 - Discuss, With Possible Action, NRCS Project

Martin presented to the Trustees and Gallentine the plans he had received from the NRCS. It was determined that this was for private tile in his field. He was told since it was private tile the Trustee did not need to be involved, however if the drainage district tile is broken at any point he needs to report to Junker before doing any repairs. No motion.

4. Big Four - Discuss, With Possible Action, Pay Estimate

Junker needs to put this into claims for next week. No motion.

5. Other Business

DD 34

Junker presented an email from Jacob Handsaker with Hands On with an explanation of the invoice from last weeks meeting. Granzow moved, Hoffman seconded to approve the payment in full and to put the explanation of why it will be over \$5000 in the file. All ayes. Motion approved.

DD 22

Heather Thomas will be at next weeks meeting with Gehrke to discuss the road crossing and possible change orders.

6. Adjourn Meeting

Hoffman moved, Granzow seconded to adjourn the meeting. All ayes. Motion carried.

REGULAR DRAINAGE MEETING

9/11/2019 - Minutes

1. Open Meeting

Hardin County Board of Supervisors Chairperson, Renee McClellan, opened the meeting. Also present were Supervisors Lance Granzow and BJ Hoffman; County Engineer, Taylor Roll, Heather Thomas with Clapsaddle-Garber Associates (CGA); Jeremy Maas with Gehrke Inc; Drainage Clerk, Becca Junker.

2. Approve Agenda

Hoffman moved, Granzow seconded to approve the agenda as provided. All ayes. Motion carried.

3. Approve Claims For Payment

Granzow moved, Hoffman seconded to approve the claims for payment with pay date of Friday, September 13, 2019. All ayes. Motion carried.

4. DD 22 - Discuss, With Possible Action, Change Orders & Pay Recommendation

Thomas went into depth explaining change orders 2-6 to the Trustees, Roll and Maas. Hoffman moved, Granzow seconded to approve Change Orders #2, #3, #4, #5, and #6 with December 1, 2019 as the date of completion of change order #6. All ayes. Motion approved.

Thomas then noted that Randy Madden had come in and wanted cross sections during the landowner meeting. Currently, 1164 acres drains to the new tile before it gets to the outlet and only about 304 are draining through the old tile once it gets to the outlet. The reason for that is because the concept when it was designed was to take all the old stuff and dump it into the new at all of the structures except structure 7. Thomas said with the water shed and what comes to the outlet, it was a bad design and it does not work the way it was anticipated to. Structure 3 there is currently plans to create a cross section. She would recommend if cross connections were created, they would be placed for an event that the tile was surcharged and those would be the only instances it would transfer water from one tile to the other. She does not want to overload either tiles.

She said if the Trustees are ok with that concept, she would create a few sketches and ask Maas for prices. The Trustees requested she investigate a cross section on 200 ST and C Ave, South of #2, Structure #3, and Structure #6 and report back. They also requested clear documentation on the old tile.

5. Other Business

None.

6. Adjourn Meeting

Granzow moved, Hoffman seconded to adjourn the meeting. All ayes. Motion carried.

REGULAR DRAINAGE MEETING

9/18/2019 - Minutes

1. Open Meeting

Hardin County Board of Supervisors Chairperson, Renee McClellan, opened the meeting. Also present were Supervisors, Lance Granzow and BJ Hoffman; Lee Gallentine with Clapsaddle-Garber Associates (CGA); Micah Cutler, IT/GIS Director; Drainage Clerk, Becca Junker.

2. Approve Agenda

Hoffman moved, Granzow seconded to approve the agenda as presented with an added amendment for the claim presented from CGA for the pay date of September 20, 2019. CGA had present a claim for DD 22 for a total payment of \$27,165.35 on August 28, 2019 but the email with the claim did not go through. Junker finally received the invoice this morning and requested it gets added to the claims of payment. All ayes. Motion carried.

3. Approve Claims For Payment

Granzow moved, Hoffman seconded to approve the claims for payment with pay date of Friday, September 20, 2019. Junker noted that the Hands On invoice has already been approved but will be paid with this week claims. All ayes. Motion carried.

4. Approve Utility Permit 2019-5

Granzow moved, Hoffman seconded to approve Utility Permit 2019-5. All ayes. Motion carried.

5. DD 109 - Discuss, With Possible Action, Denny Prochaska Invoices

Junker explained that Denny Prochaska brought in invoices for some work that was done on drainage district tile that he thought was private and paid for himself. Hoffman moved, Granzow seconded to have Prochaska verify with GPS points and come before the Trustees with the contractors to explain in more detail what was done to the tile. All ayes. Motion carried.

6. Discuss, With Possible Action, Digital Data From CGA And GIS

Five years ago, there was conversation between Cutler and Gallentine about the GIS points that CGA turns in with their reports. Cutler wanted to be able to use those points in GIS, Gallentine explained he just needed to know what format she wanted the information in, and he will send them in that format. Cutler said that now that there is going to be a new drainage clerk, she wants to insert herself in the process of getting this information updated in GIS. Once Cutler figures out what information she needs from Gallentine she will contact the drainage clerk to make sure they are on the same page about the process moving forward.

7. Other Business

DD 25 Lat 3:

Gallentine explained that while investigating they have found two tile lines. One is shallower and is private, the other is deeper and is district. The fiberoptic is going through the private and that tile does not have much dirt and is dry. The district tile has a large cavity/void missing above the tile and there are a couple small sink holes developing. It is 1/-1/2 full of mud and flowing water. There is still a reason to replace the district tile, however to repair the tile they will need to offset the new district tile so that it does not destroy the private tile. The downside of doing that is some of the private tile that is connected to the district tile might not be reconnected because they will not know about it.

Granzow then proposed putting a larger tile in instead of having a private tile and a district tile. Gallentine said that if they put a bigger tile under the railroad, they will need to update the railroad. He continued to say that if this is the route they want to proceed with, this project might not get done this year.

Granzow moved, Hoffman seconded to set a landowners meeting for Friday, August 27 at 10:00 AM. All ayes. Motion carried.

DD 9:

Gallentine explained that originally, he had thought there would only be a little bit of Ronald Sailer's ground, however when lidar is involved, by surface flow the district will have to annex in Bartlett Inc and George loerger also. Gallentine said that once this land is annexed in, he cannot tell them that this tile is going to give them much benefit after being annexed in, so before the report is finished, he wanted to check with the Trustees. The other option would be to get an easement for 3.6 acres to put the tile in Ronald Sailer's land and not annex 198 acres.

Hoffman moved, Granzow seconded to get an easement on Ronald Sailers land, with the possibility to annex land in later. The district is to stay one district until the decision is made about the annexation. Any annexation should be refunded to the entire original district. All ayes. Motion carried.

Adam Seward:

Hoffman informed the Trustees and Gallentine that Seward has bought a new forestry equipment. He has asked the Trustees pick a right for him to show everyone what he has and how he does his work with this new equipment. After discussion it was decided that Hoffman would find out what the reach and what sized trees it can do and report back to Gallentine. Once Gallentine has an idea of what he is capable of, he will make suggestions for where he can use it to show everyone within drainage.

8. Adjourn Meeting

Hoffman moved, Granzow seconded to adjourn the meeting. All ayes. Motion carried.



Drainage Work Order Request For Repair

Hardin County

Date: 6/17/2019

Work Order #: WO00000260

Drainage District: DDs\DD 167 (51191)

Sec-Twp-Rge: _____ Qtr Sec: _____

Location/GIS: _____

Requested By: David Bernard

Contact Phone: _____

Contact Email: drbernardconsulting@gci.net

Landowner (if different): _____

Description:

DD 167 - Request for repairs to the Main Drainage Tile

Owner has discovered four sinkholes each approx 30 inches deep. Western most opened in 2018, eastern most last weekend, other in Spring of 2019.

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: _____

Ms. Becca Junker
Hardin County Drainage Clerk
1215 Edgington Avenue
Suite 1
Eldora, IA 50627

Ms. Junker:

Re.: Request for Repairs to the Main Drainage Tiles in Drainage District 167

Please place this request before the Board of Supervisors for their consideration and action. Representatives of the owner of parcels 862004400003 and 862004400001 have discovered four sinkholes each approximately 30 inches deep near the location of the main drainage lines as noted in the diagram on the next page. The western most sinkhole opened in 2018, the eastern most last weekend, and the other two in spring of 2019. Representatives also found a half buried section of 8-inch ceramic tile along with ceramic shards near the location indicated in the diagram; the site has been marked (staked) for easy location. The broken/half-buried 8 foot section of tile on the surface is either refuse from an earlier repair of the main, or is evidence that the current main consists of at most only one 8-inch tile near that location. Also, a long ravine has been cut through a grassed waterway just east of the broken/half-buried tile. The ravine at viewing was 1 – 2 feet in depth and extended almost to the eastern boundaries of the parcels.

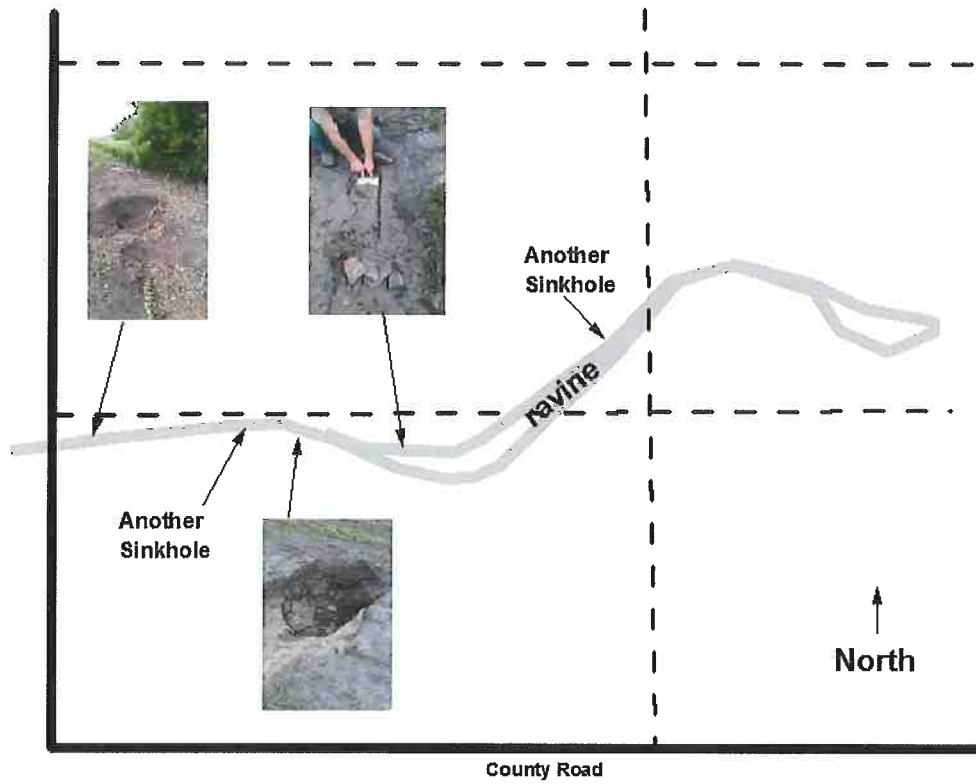
Thank you for your consideration and action. Please acknowledge receipt of this letter.

Respectfully,



David R. Bernard, representing Donna Bernard
2481 NW 87th Ave.
Ankeny, IA
1.515.965.6788
drbernardconsulting@gci.net

cc.: Donna Bernard
Curt Winter



Thick, black lines represent the southwest boundaries of Drainage District 167 in Harding County, IA. Thick gray lines represent the approximate location of the two 8-inch tiles that comprise the main drainage line for the district.

Drainage District:

#167

Investigation Summary:

- Landowner in the SE¼ of Section 4, Township 86 North, Range 20 West reported four sinkholes/blowouts approximately 2 ½ feet deep near the assumed Main tile routes.
- Visual observation found multiple blowouts, a part of the main that had been crushed by machinery, and an approximately 100-foot section of tile that was missing with significant erosion taking place in the assumed tile route at the Main tile outlet. Also found large mulberry trees in close proximity to some of the blowouts/sinkholes on the Main tile.

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

None recorded as only visual observation was performed.

Additional Actions Recommended:

CGA recommends the following actions to repair the Main tile:

1. Replace the missing 100-feet of Main tile including the outlet and reinstall the eroded soil along said approximate 100-foot stretch.
2. Remove trees and brush within 50-feet of the Main tile route.
3. Excavate and repair Main tile blowouts/sinkholes as necessary

Construction cost is estimated to be \$15,000 - \$20,000 if no headwall is installed at the Main tile outlet. If a headwall is deemed necessary, it is estimated that \$20,000 - \$25,000 will be added to the construction cost.



CONSTRUCTION ENGINEERING
OBSERVATION REPORT

DATE:

7/16/19

PROJECT NUMBER:

6954.3

COUNTY, ROUTE, ROAD:

DD 167

LOCATION:

SEC. 4, PROVIDENCE TWP.

DAYS OF WEEK:

S M **C** W T F S

SHEET NO.

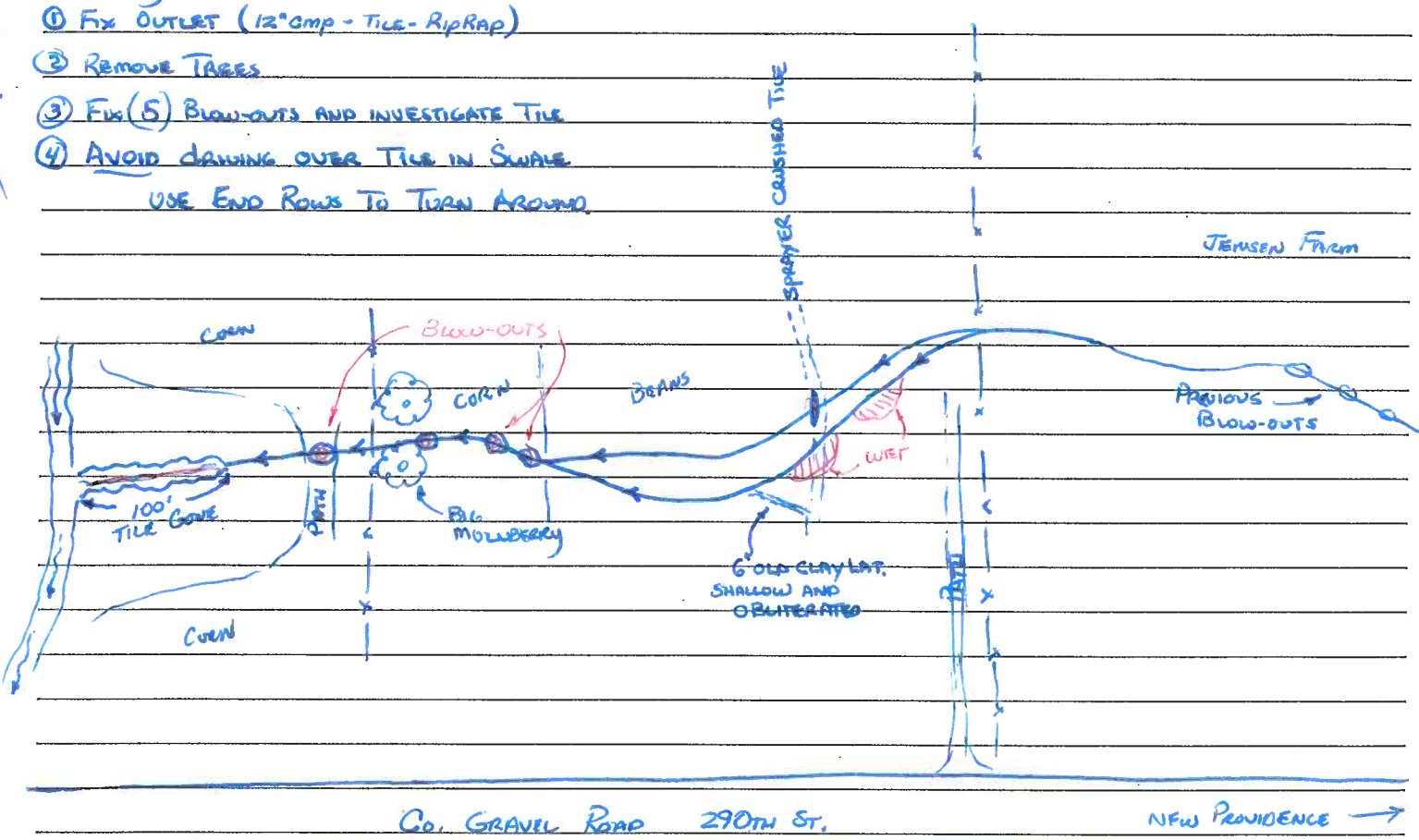
OF

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

Hot - Humid - Calm - 90° - Partly Cloudy

DRIVE IN DOWN PATH, N. OF 290TH ST. TO NORTH MAIN DD 167, FOUND 6' OLD CLAY TILE ABANDONED. WENT DOWNSTREAM AND NOTICED DEEP SPRAYER TRACKS THAT COLLAPSED TILE ON N. SIDE SWALE. NEXT FOUND BLOW-OUT IN CORN FIELD, 3' DEEP WITH WATER OVER TILE, NOT MOVING. FOUND ANOTHER SINK HOLE IN CORN FIELD AND ANOTHER BLOW-OUT @ W. EDGE CORN FIELD BY MULBERRY TREES. CROSSED FENCE TO WEST AND FOUND 8' CLAY BLOW-OUT IN PATH. ALSO FOUND 100' OF TILE ERODED OUT AND ACTIVELY COLLAPSING TO CASEK.

- ① Fix OUTLET (12"amp - Tile - Riprap)
- ② Remove TAGES
- ③ Fix (5) BLOW-OUTS AND INVESTIGATE TILE
- ④ AVOID DRIVING OVER TILE IN SWALE
USE END ROWS TO TURN AROUND



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

Observer's Signature: [Signature] Date Prepared: 7/16/19

Reviewed by: _____ Engineer

Date Reviewed _____

Old 6" Abandoned TIE



Water: NOT moving



Blowout @ W. End of Grass Swamp



Blow-out in middle of Corn Field



Blow-out @ outlet



BLOW-OUT IN PATH @ OUTLET



TILE ACTUALLY ERODING AWAY



CREEK WITH TILE PARTS IN FL



ERODED TILE OUTLET, 100' OF TILE MISSING



ERODED OUTLET TILE



LOOKING UPSTREAM ON TILE ROUTE



Blow-out upstream From TREES



Collapsed Tile From Sprayer



Collapsed TIRE From sprayer



TRUCKS FROM SPRAYER OVER TIRE



Looking W., downstream

