

AGENDA
REGULAR DRAINAGE MEETING
Wednesday, March 31, 2021 9:30 AM
Large Conference Room

This meeting will be held electronically and in-person due to Covid-19 concerns.

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. Approve Minutes

Documents:

[03-24-21 - DRAINAGE MINUTES.PDF](#)

4. DD 26 Lat 4 WO 306 - Discuss W Possible Action - Engineer's Letter

Documents:

[DD 26 LAT 4 WO 306 ENGINEERS LETTER 03_23_21.PDF](#)

5. Discuss W Possible Action - Drainage Utility Permit Process
6. Discuss W Possible Action - IRUA Drainage Utility Permit Application
IRUA has requested approval for a rural water installation at 18265 270th St.

Documents:

[2021-01 IRUA - DRAINAGE UTILITY PERMIT APPLICATION.PDF](#)
[2020-01 DD 55 DIV 2 IRUA UTILITY PERMIT .PDF](#)

7. Other Business
8. Adjourn Meeting

REGULAR DRAINAGE MEETING
Wednesday, March 24, 2021 9:30 AM

This meeting was held electronically and in-person due to Covid-19 concerns.

3/24/2021 - Minutes

1. Open Meeting

Hardin County Drainage Chairperson BJ Hoffman opened the meeting. Also present were Trustee Renee McClellan; Trustee Lance Granzow; Lee Gallentine, Clapsaddle-Garber Associates (CGA); Landowner Greg Larson; Jolene Teske; Michael Pearce, Network Specialist; and Denise Smith, Drainage Clerk.

2. Approve Agenda

Motion by McClellan to approve the agenda. Second by Granzow. All ayes. Motion carried.

3. Approve Minutes

Motion by Granzow to approve the minutes of Drainage Meetings dated 02-08-21, 03-03-2021, and 03-17-2021. Second by McClellan. All ayes. Motion carried.

4. DD 56 Upper Main Tile Diversion - Consider Bids W Possible Action On Bids

Gallentine stated after the bid letting, we went back and checked the math, there were no math errors, Gehrke still is the lowest bid, the lowest option is the base bid, which is concrete pipe, obviously we are still over our estimate by a decent amount. Granzow asked how much the estimate was, Hoffman stated \$700,000. Gallentine stated yes, estimate was \$700,000, Gehrke's low bid on concrete was \$881,175.00, there was also some add alternates down at the bottom you may want to consider, some things we have done in the past, possibly. Gallentine stated he thinks we can maybe trim Gehrke's number down some after if you decide to go forward with it, maybe through some change orders, maybe we can run into some decent soil we can spoon in the concrete pipe instead of using the rock bedding, kind of like what we did on DD 9 last year, but we won't know that until after construction gets going unfortunately. Gallentine stated we are not going to be able to cut enough to get down to the estimate, talking to Gehrke and contractors in general, pipe prices have gone up recently, and it sounds like materials alone on this project were over \$500,000. Gallentine stated he did not know if the Trustees would like to have a landowner's meeting. Granzow stated that would be advisable, Hoffman concurred, and requested Smith check the calendar for available dates, sooner rather than later.

Smith asked if this would just be a landowner meeting as we have already had the hearing, Gallentine stated that would be correct. McClellan stated she would like to see it the sooner the better, Granzow recommended next week. Smith stated she could get notices out today for a meeting next week, Granzow asked the size of the district, Smith stated she thought there may be 60 landowners, and it was a large enough district to split into East and West halves. Granzow stated April 15th is planting day, so people may be in the field the week before, we will be in the field everyday then, Granzow stated he would push it fast, they were aware of this large bid letting. Smith stated she could get notices out today. Granzow stated he would like to do it on March 31, 2021. Smith asked which location the Trustees would like to hold the meeting at, we held the last landowner meeting for DD 56 at the EOC. Granzow stated that was fine and checked the availability of the building. Granzow asked if the Trustees would like to send a postcard out as this is more than \$181,000 over the original estimate. Hoffman stated he would rather just have the landowners come in and speak their piece in person. Gallentine stated they always have the option of emailing the Clerk their thoughts. Hoffman stated you can always put something in the notice that says please email or call the Clerk with their comments or concerns, Hoffman stated he did not know if we could provide the numbers to the landowners, Smith stated of course. Gallentine stated the other input you may want is on the add alternates down at the bottom. Hoffman stated he recommends making a copy of the bid tab and including that in the mailing and asked if Gallentine could present some data on pipe and material costs over the last 12 months, so we have some justification, Hoffman does not think this is all contractors trying to make a killing, Hoffman thinks this is contractors getting into material and capitol expenses that have just inflated. Granzow stated the price of grain is also up to help offset that. Gallentine stated he thinks that material prices are going a little bit higher right now and his estimate may have been a tad bit low so that is what is contributing to it.

Granzow also asked if an easement has not been established yet. Gallentine stated that was correct. Larson asked if anything has happened there for the property owners north of this new district. Gallentine stated we have started the work behind the scenes, two of those landowners are out of state, we have not gotten easements from them yet and does not think we have even contracted the two that are out of state yet, he would have to check with their right of way guy. Granzow stated he thinks we need that in this letter as well, because without an easement this will not go forward. Larson stated he hoped we would refrain from spending a whole lot more money before we get those easements. Hoffman agreed. Gallentine stated since the bid letting, he has not made this a

huge priority with their bid letting guy, because Gallentine didn't know with the prices moving forward if you wanted to spend the money to get the easements. Granzow stated we will know more next week. Gallentine stated yes, it is a bit of a chicken and the egg type thing.

Motion by Granzow to hold a DD 56 Landowner's Meeting on Wednesday March 31, 2021 at the Emergency Operations Center, at 10:30 AM with zoom and in-person options for attendance. Second by McClellan. All ayes. Motion carried.

5. Discuss W Possible Action - Contractor Update

Hoffman stated he had a phone call from Hands On Excavation, they are doing some work in DD 55-2, they are going from H Ave east to 19283 270th St, Hoffman will provide this info to Smith, and they are not crossing any district lines, but rural water is involved and Handsaker needs something from the Trustees to allow Rural Water to engage in running a line and something from the Clerk, allowing Rural Water to do work at that property. Smith stated that would be a Drainage Utility Permit Application even though they are not crossing a district tile line, they still need to file that application with us just to prove that that application can be noted in the minutes that this installation is not crossing a district tile. Hoffman stated that is correct, and they wanted to get going on that sooner than later so can we tentatively approve that if Smith wants to send that info to Jacob Handsaker. Smith stated she can email the application to Handsaker. Hoffman will let Handsaker know he needs to fill that application out and get it back to us and that it will be approved contingently until next week's meeting.

Motion by McClellan to tentatively approve the Rural Water installation in DD 55, contingent upon receiving a completed Drainage Utility Permit Application for formal approval at next week's meeting. Second by Granzow.

In additional discussion on the motion, Granzow asked if we want to issue as part of our Ordinance to allow Smith to approve these permit applications prior to the meeting subject to Trustee approval, if it does not cross the tile, the Clerk can authorize the permit. McClellan does not have a problem with that, Hoffman asked if we can do that in another motion, Granzow stated we could put that on next week's agenda. Hoffman stated okay, hearing no other discussion on this motion, Hoffman called for the vote.

All ayes. Motion carried.

Hoffman stated he would communicate to Handsaker that there is something coming from the Clerk. Granzow stated and noting that it could be verified by the Clerk and our Drainage Engineer, Hoffman stated and making sure everything is on the up and up. Granzow asked if we are trying to dump too much onto the Clerk, Granzow did not think so. Hoffman stated it might speed up some of these projects where someone is out there with an emergency like a ruptured water line, Granzow stated that could apply to any utility. Smith stated if she has reliable information and can verify that the location does not cross a tile Smith does not have any problems looking at the maps and figuring that out, that should not be any issue for Smith. Granzow stated he does not just want this for Rural Iowa he wants this for all utilities, Smith stated that would be correct, and will agenda its next week for Trustee review. Granzow stated then you could present it to the Trustees after you have approved it and bring it back t the Trustees for review and so they are aware of it.

6. Other Business

DD 26 Lat 4 - Smith stated Heather Thomas of CGA will join us next week with DD 26 Lat 4 Engineer's Letter, Thomas has that letter ready for the Trustees, but Smith did not get that in time to get it on today's agenda, so we will have it on next week's agenda.

DD 128 – Granzow stated he got a phone call from Dean Bright regarding the outstanding work order at his place, requesting Granzow stop by and take a look at it, it will not dry up. Granzow asked if Gallentine has been out there to look at it. Gallentine stated he has not been out there this spring and had been hoping to get it wrapped up this winter, but it got close enough to spring so we might as well wait and see what it does. Granzow stated Bright's expression was that you couldn't walk across it today without needing pulled out, but that was before it rained so obviously you aren't going to see anything today, but Granzow thinks we do need to address this, there is something causing it to keep taking water, so it is not hooked up. McClellan asked if we need to televise that, would that help us know what still needs hooked up or which is more efficient. Granzow stated by running a camera up a tile you won't see that either. Gallentine stated it has been videoed, this is the one where they plowed it in with the flexible dual wall, so it has been videoed and it is it didn't get hooked up, Gallentine asked if Bright had any tile maps. Granzow stated he didn't ask to be honest. Hoffman asked if someone wanted to contact Bright again or if when Granzow goes out if someone from CGA could be there and put your heads together. Granzow knows at one point they found a tile about a foot and half short of being put in place and they buried it. Granzow stated they went, and they fixed that one but who know how many more are out there, this went from an

open ditch where they all should have been exposed tiles, it went from an open ditch to a closed pipe. Gallentine stated it was a little bit of a jungle out there too, there was a lot of trees and a lot of stuff out there, but there has got to be something causing this that didn't get hooked up in Gallentine's opinion. Granzow stated that's right, and he just wants to make sure it gets hooked up. Gallentine stated he does not blame Bright at all, and asked Granzow to let him know when he is going out there, Gallentine will certainly come out, we do need to get this wrapped up and figure out what is going on.

7. Adjourn Meeting

Motion by Granzow to adjourn. Second by McClellan. All ayes. Motion carried.

March 23, 2021

Hardin County Drainage Trustees
1215 Edgington Avenue
Eldora, Iowa 50627



RE: Hardin County Drainage District 26, Lateral 4
Work Order #306
CGA PN: 8719

Trustees:

Randy Madden, a landowner within Hardin County Drainage District 26, Lateral 4 requested the Trustees look into the concept and viability of modifying a connection on tile that was installed during a 2011/2012 project to allow for an overflow connection between the original Lateral 4 and the supplemental Lateral 4. The Trustees met on January 20, 2021 and discussed the landowners request with Randy and Heather Thomas of CGA. The requested work is similar to the work performed recently in an adjacent Drainage District and CGA estimated the work to be in the \$20-30k range. The Trustees directed CGA to review the concept and if found to be viable, prepare a plan for the work.

CGA reviewed the Engineer's Report from August 2010 that was used for the project that was installed in 2011/2012. Based on that report, the calculations indicate that the parallel tiles (original and supplemental) were to be directly additive and no sub-watersheds were used to isolate flow within the original and supplemental tile. CGA's review of the as-built plans from the 2011/2012 project indicate that there were two Structures installed (#2 and #3) where the original and supplemental tiles were joined and outlet through only the new supplemental tile, essentially creating sub-watersheds of tile flow.

The landowner's request of modifying Structure #2 to provide an overflow connection to allow the utilization of the original Lateral 4 tile for flow that reaches Structure #2 would allow the capacity of the original tile to be used during moderate to high flow events. This overflow connection would allow for the District's tile system to more closely operate in the manner that was approved in the 2010 Engineer's report.

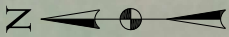
CGA reviewed the as-built information, located Structure #2 in the field, and confirmed the viability of an overflow connection at Structure #2. The estimated cost does not exceed fifty thousand dollars; therefore, the board may order the work done without a hearing. Based on direction received from the Trustees, they intend to have the work performed through their Lottery system for work orders. CGA has prepared and attached an exhibit describing the proposed work for that purpose.

Please feel free to contact me at 641-752-6701 extension 48 or hthomas@cgaconsultants.com, with any questions or comments.

Sincerely,
CLAPSADDLE-GARBER ASSOCIATES, INC.

Heather Ann Thomas

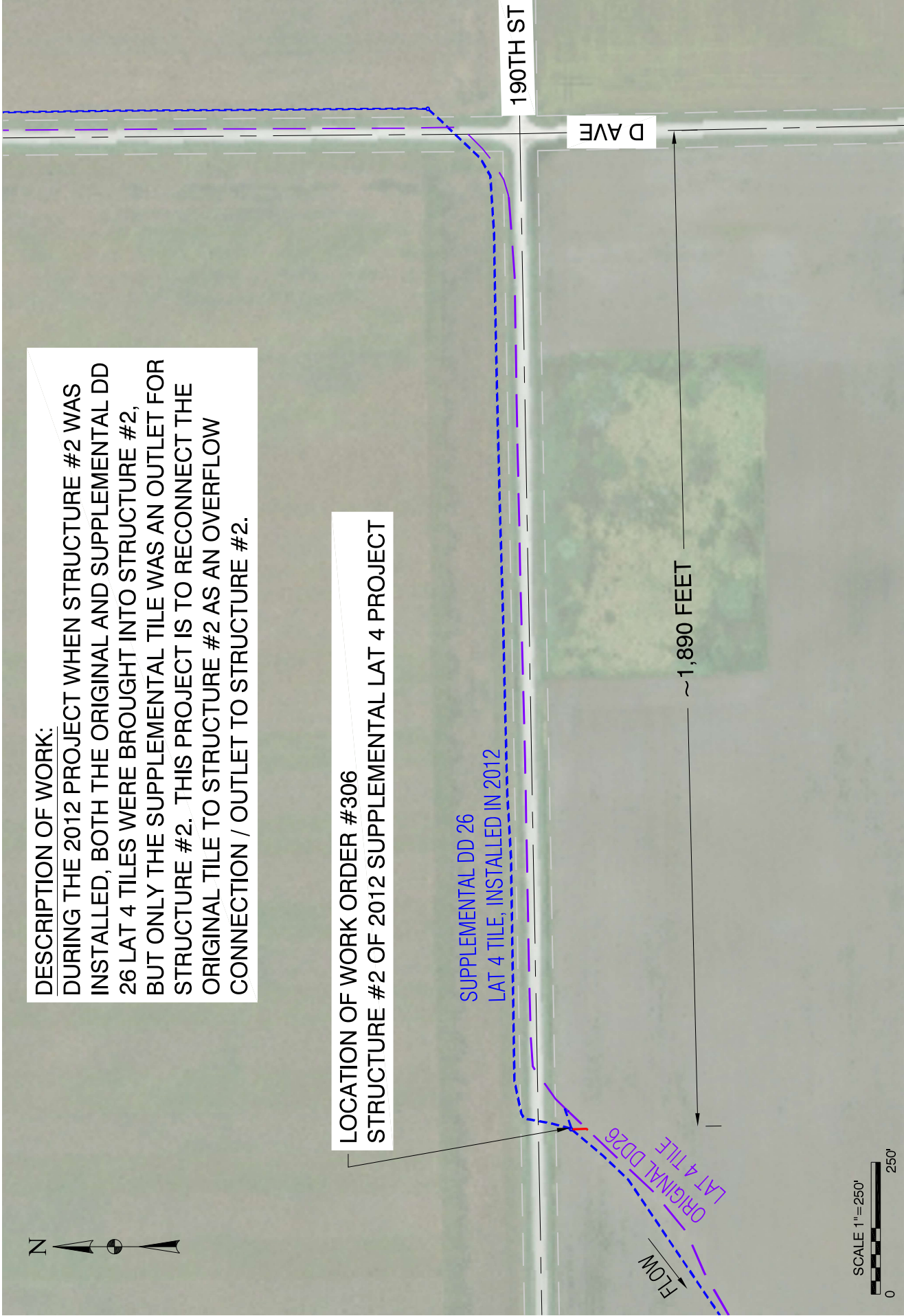
Heather Thomas, P.E.
Project Manager



DESCRIPTION OF WORK:
 DURING THE 2012 PROJECT WHEN STRUCTURE #2 WAS INSTALLED, BOTH THE ORIGINAL AND SUPPLEMENTAL DD 26 LAT 4 TILES WERE BROUGHT INTO STRUCTURE #2, BUT ONLY THE SUPPLEMENTAL TILE WAS AN OUTLET FOR STRUCTURE #2. THIS PROJECT IS TO RECONNECT THE ORIGINAL TILE TO STRUCTURE #2 AS AN OVERFLOW CONNECTION / OUTLET TO STRUCTURE #2.

**LOCATION OF WORK ORDER #306
 STRUCTURE #2 OF 2012 SUPPLEMENTAL LAT 4 PROJECT**

SUPPLEMENTAL DD 26
 LAT 4 TILE, INSTALLED IN 2012

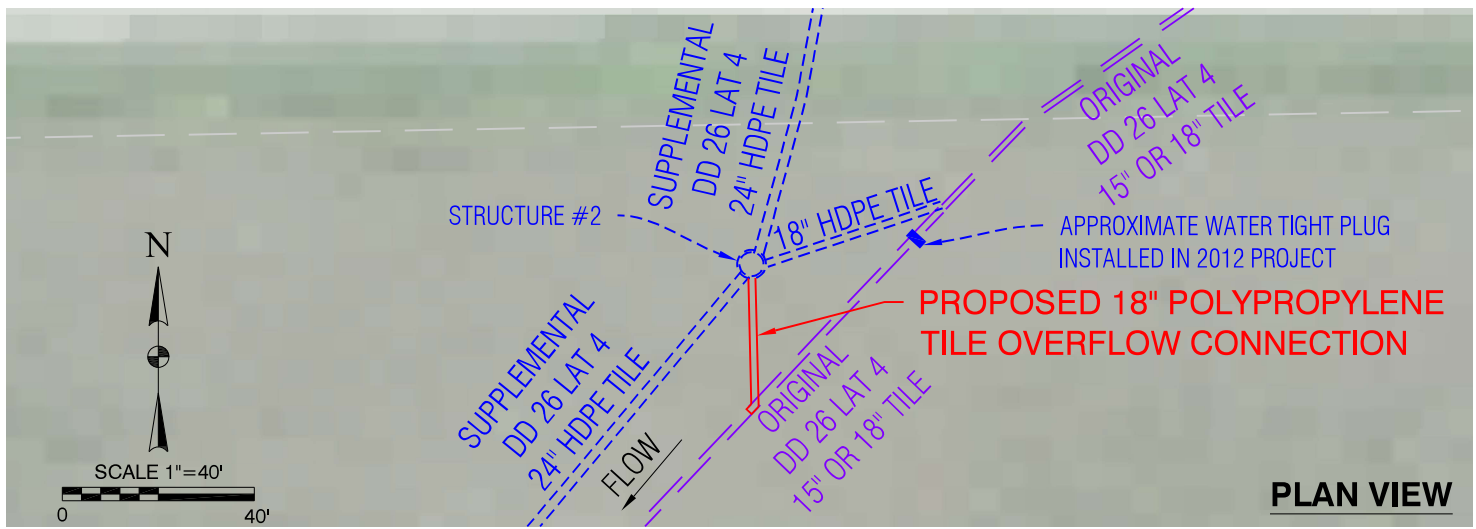


SCALE 1" = 250'
 0 250'



Clapsaddle-Garber Associates, Inc
 16 East Main Street
 Marshalltown, Iowa 50158
 Ph 641-752-6701
 www.cgaconsultants.com

**HARDIN COUNTY DRAINAGE DISTRICT 26, LATERAL 4
 WORK ORDER #306 LOCATION MAP**

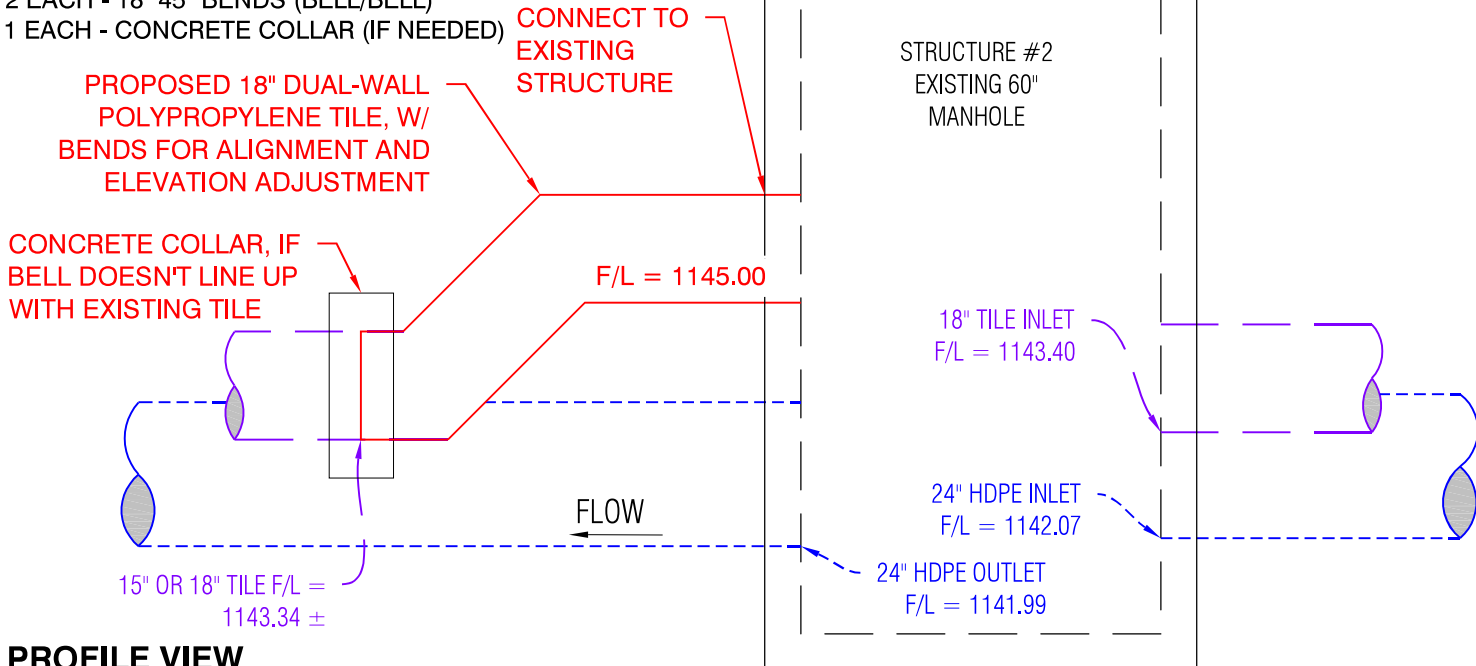


CONSTRUCTION NOTES:

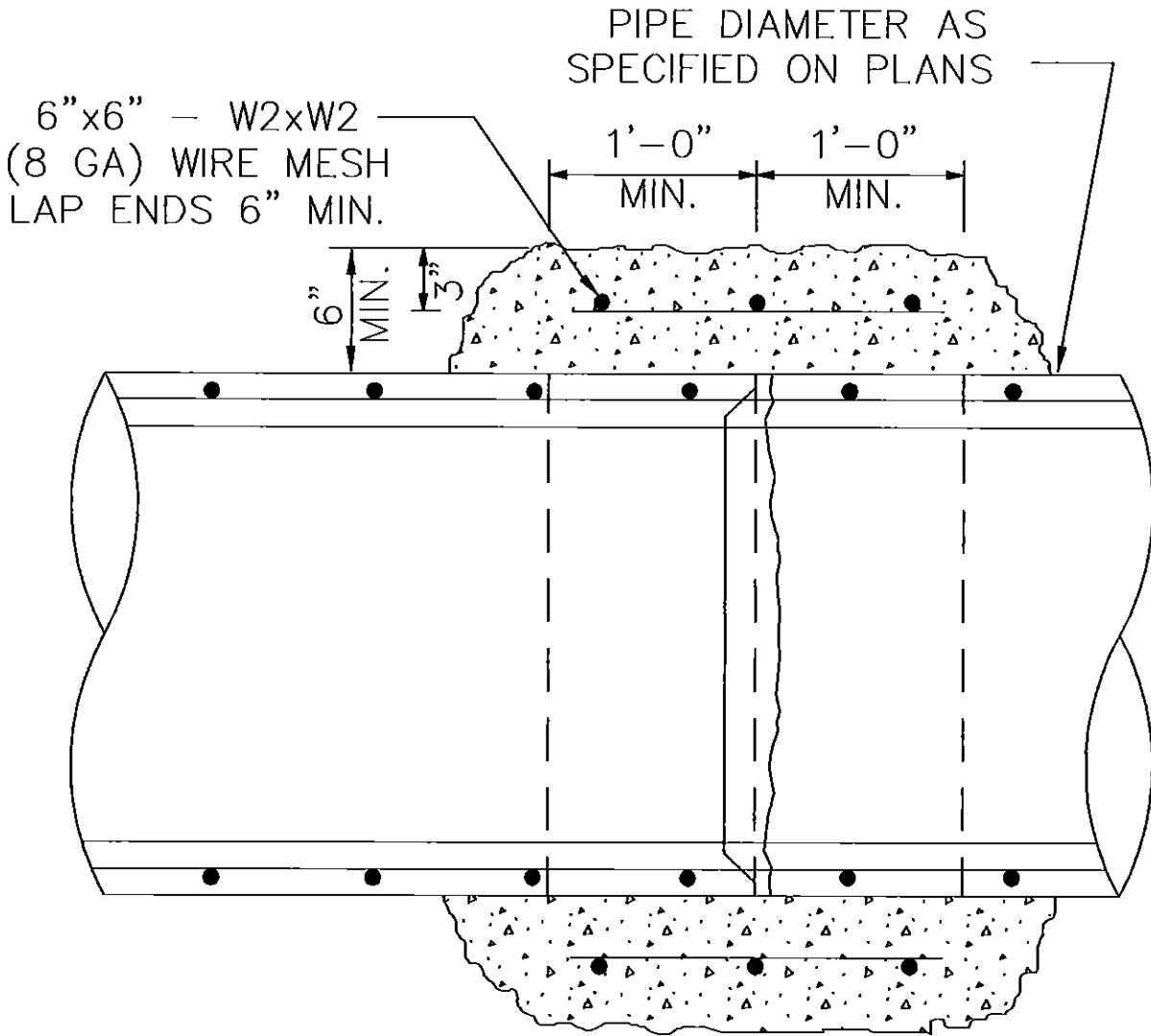
1. NEW TILE SHALL BE 18" DUAL-WALL POLYPROPYLENE.
2. NEW STRUCTURE #2 HOLE / CONNECTION SHALL BE CORE DRILLED.
3. CONNECTION TO NEW STRUCTURE SHALL BE MADE WITH GROUTED, DUAL WALL SLEEVE, KOR-N-SEAL SYSTEM, OR PSX SYSTEM.
4. NEW TILE SHALL BE BEDDED AND BACKFILLED WITH GRANULAR MATERIAL TO 1' ABOVE THE TOP OF PIPE.
5. DOWNSTREAM TILE CONNECTION SHALL MATCH FLOW LINES.

ESTIMATED QUANTITIES:

- 1 EACH - CONNECTION TO EXISTING STRUCTURE
- 40 LF - 18" POLYPROPYLENE DUAL-WALL TILE
- 2 EACH - 18" 45° BENDS (BELL/BELL)
- 1 EACH - CONCRETE COLLAR (IF NEEDED)



PROFILE VIEW
NOT TO SCALE



DETAIL #2

NO SCALE

TYPE II CONCRETE
COLLAR CONNECTION



HARDIN COUNTY

1215 EDGINGTON AVE., SUITE 1
ELDORA, IA 50627
(641) 939-8108

HARDIN COUNTY DRAINAGE DISTRICT UTILITY PERMIT APPLICATION

Applicant: Iowa Regional Utilities Association
Company Name

1351 Iowa Speedway Drive
Address

Newton Iowa 50208
City State Zip

Applicant Contact: Raymond Spangenburg (319) 824 - 5920
Name Phone

iruagcray@gcmuni.net
Email

Utility Type: Rural Water

Drainage District(s) Crossed: DD 55 Division 2

Facilities Crossed (specific tile, open ditch): None

Description of Work: Connect to existing main along H Ave. run 3" main approximately

(Location plan of proposed utility must be attached.) 1300 feet East along 270th St. to serve 18265 270th St.

Combination of open cut trench and horizontal directional drilling will be used.

Pursuant to Code of Iowa Section 468.186, approval is hereby requested for the right, privilege and authority to construct, operate and maintain utilities on, over, across or beneath established Hardin County Drainage Districts, subject to the attached Requirements for Construction On, Over, Across or Beneath Established Drainage District. Failure to comply with said requirements shall be ground for revocation of the permit by the Hardin County Board of Supervisors.

Todd Rozendaal, R-O-W Manager
Applicant Signature
Todd Rozendaal

3/29/2021
Date

Submit Form and Location Plan To:

Hardin County Auditor's Office
Attn: Drainage Clerk
1215 Edgington Ave, Suite 1
Eldora, IA 50627
Fax (641) 939-8225
drainage@hardincountyia.gov

For Office Use Only

Application Approval:

By: _____
Board of Supervisor Chairman, Acting as Drainage District Trustee

Date: _____

APPROVED PERMIT #: _____



REQUIREMENTS FOR CONSTRUCTION ON, OVER, ACROSS OR BENEATH ESTABLISHED DRAINAGE DISTRICT

Upon issuance of a permit for utilities on, over, across or beneath established Hardin County Drainage Districts, the applicant shall be governed by these requirements and shall comply with all conditions contained herein.

SECTION I – Standard Requirements

1. The Applicant shall furnish the Drainage District, or its representative, plats showing the exact location of the proposed construction. If it is found that such locations are in conflict with the present or proposed facilities and that a more desirable location is possible, the Applicant shall review such possible alignment changes. **No construction is to commence with the drainage facility without an approved application.**
2. Upon approval of the application, and prior to the commencement of any construction, the Applicant is required to pay a prepaid inspection fee made payable to County Treasurer's Office. The prepaid inspection fee shall be equal to \$2,000 per crossing of any of the Drainage District's facilities (by way of illustration, if an application includes a scope of work that would result in crossing over the Drainage District's tile in three (3) locations, the prepaid inspection fee would be \$6,000). Within thirty (30) days after completion of the installation, the Drainage District or its designee shall remit any unused portions of the prepaid inspection fee to the Applicant, along with a statement for services rendered. Inspection fees and cost in excess of the prepaid inspection fee are the responsibility of the Applicant.
3. Applicant shall comply with Iowa One-Call requirements prior to commencing any work.
4. The Drainage District shall provide Applicant access to maps or other information regarding the location of all known drainage district facilities so that reasonable care may be taken by Applicant to avoid un-necessary damage to said drainage district facilities.
5. The Applicant shall hold the Drainage District harmless from any damage that may result to the Drainage District facility because of the construction or maintenance of the utility, and shall reimburse the Drainage District for any expenditures that the Drainage District may have to make on said Drainage District facilities resulting from Applicant's construction and installation of utilities, or their subsequent repair or modification.
6. The Applicant shall take all reasonable precaution during the construction of said utility to protect and safeguard the lives and property of the public and adjacent property owners and shall hold the Drainage District harmless from any damages or losses that may be sustained by adjacent property owners on account of such construction operations. Further, Applicant agrees to replace, repair or reimburse all damages to private property occasioned by Applicant's installation of subsequent modification or repairs.
7. The Drainage District assumes no responsibility for damages to the Applicants property occasioned by any construction or maintenance operation of said Drainage District facilities, subsequent to Applicant's installation.
8. A copy of a certificate of insurance naming the County/Drainage District as additional insured for their permit work shall be provided to the County Auditor prior to installation. The limit of liability under the insurance policy shall not be less than \$1,000,000 per occurrence.
9. The Applicant agrees to give the Drainage District twenty-four (24) hours (Saturday and Sunday excluded) notice of its intention to commence construction on any lands within the jurisdiction of the Drainage District. Said notice shall be made in writing to the County Auditor or to the designated Drainage District representative.
10. The Applicant agrees to place permanent, visible markers or monuments at locations where utility crosses Drainage District facilities. These monuments or markers shall identify the owners name, address and phone number.
11. The Drainage District Trustees may appoint a representative to inspect and approve all construction across Drainage District facilities as part of this permit. All compensation, wages, mileage and other expenses for this representative will be paid by the Applicant. It will be the responsibility of the Applicant to make all contacts with private parties (adjacent owners/operators) to determine the location of private drainage facilities. Said representative will also inspect all crossing of Drainage District facilities and may, if required, observe the crossing of private drainage facilities, and shall have the authority to require the Applicant to excavate and expose the crossing of any Drainage District facility where the representative believes it prudent to visually examine Applicants crossing of the Drainage District facility. Further, said representative has the authority to suspend construction and installation by the Applicant within any Drainage District jurisdiction by verbal order to the contractor at the site and a telephone call to Applicants contact person listed on page 1 within six (6) hours of the verbal order.



12. The construction and maintenance of Applicants installation shall be carried on in such a manner as to not interfere with or interrupt the function of said Drainage District facilities without the express written consent of the Drainage District Representative. In the event it becomes necessary to temporarily stop the flow of water, the following shall be completed by the Applicant:
 - a. If the crossing involves a tile line, the replacement of tile with approved materials, in the manner approved by the Drainage Districts designated representative, shall be performed as rapidly as possible. If the approved method of repair is impossible and the volume of water flowing in the tile is sufficient to create the possibility of crop loss or property damage, the Contractor will be permitted to temporarily block the tile line to prevent the flow of this tile water into the pipeline, or tile line ditch. In the event this tile line is so temporarily blocked, the Contractor will be expected to provide sufficient pumping equipment to pump the impounded tile water across the construction ditch to the undisturbed tile line. Such temporary blockages of said Drainage District tile lines will be removed a rapidly as possible and any tile repairs caused by this blockage will be immediately repaired at the Applicants expense.
 - b. If the crossing involves an open ditch that is carrying sufficient flow of water to make it necessary to place a temporary dam across said open ditch, such temporary dams may be constructed only upon approval from the Drainage District designated representative. The maximum elevation of this impounded water shall be determined by the designated Drainage District representative and all excess water must be allowed to flow across the construction ditch through either a closed metal culvert pipe or by pumping. All temporary dam structures are to be removed as soon as the crossing is completed. The construction and removal of these dams shall be in such a manner that the smooth and efficient function of the drainage ditch is not impaired, with all costs and damages borne by Applicant.
13. The Applicant will at any time subsequent to the commencement of construction, and at Applicants sole expense, reconstruct or replace its installation as may be necessary to conform to new grade or alignments resulting from maintenance or construction operations by the Drainage District in connection with any of its drainage facilities. Applicant agrees to do this within forty-five (45) days of receipt of written request from the Drainage District, or such longer time period as the Drainage District may specify, without cost to the Drainage District. Such reconstruction or realignment of Applicants improvements shall be made in accordance with and approved by the Drainage District or its designated representative. If the Applicant is unable to comply within the time period specified above, the Drainage District may cause the work to be done and the Applicant will pay the cost thereof upon receipt of a statement of such costs.
14. **CROSSING OF OPEN DITCH FACILITIES.** Utility crossings shall be constructed as follows, as directed by the designated representative of the Drainage District:
 - a. Passage of installation in a horizontal plane five feet (5') below design grade of drainage ditch, as established by the Drainage District representative.
 - b. The above depth to extend to a point two (2) times the design base width of ditch either side of centerline of drainage ditch (measured along the centerline of utility) unless the existing base width is greater than the design bases width. If the existing base width is greater than the design with, the depth is to extend to a point two (2) times the existing width.
 - c. The rate of slope for transition from normal utility laying depth of crossings of drainage ditches shall not be steeper than 4:1.
 - d. If such ditch crossings occur at points of outlets of Drainage District or private tile lines or within twenty-five feet (25') of said outlets, such outlets must be relocated to a point not less than twenty-five feet (25') from such crossings. Such relocations shall be at the expense of the Applicant and as directed by the representative of the Drainage District.

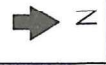
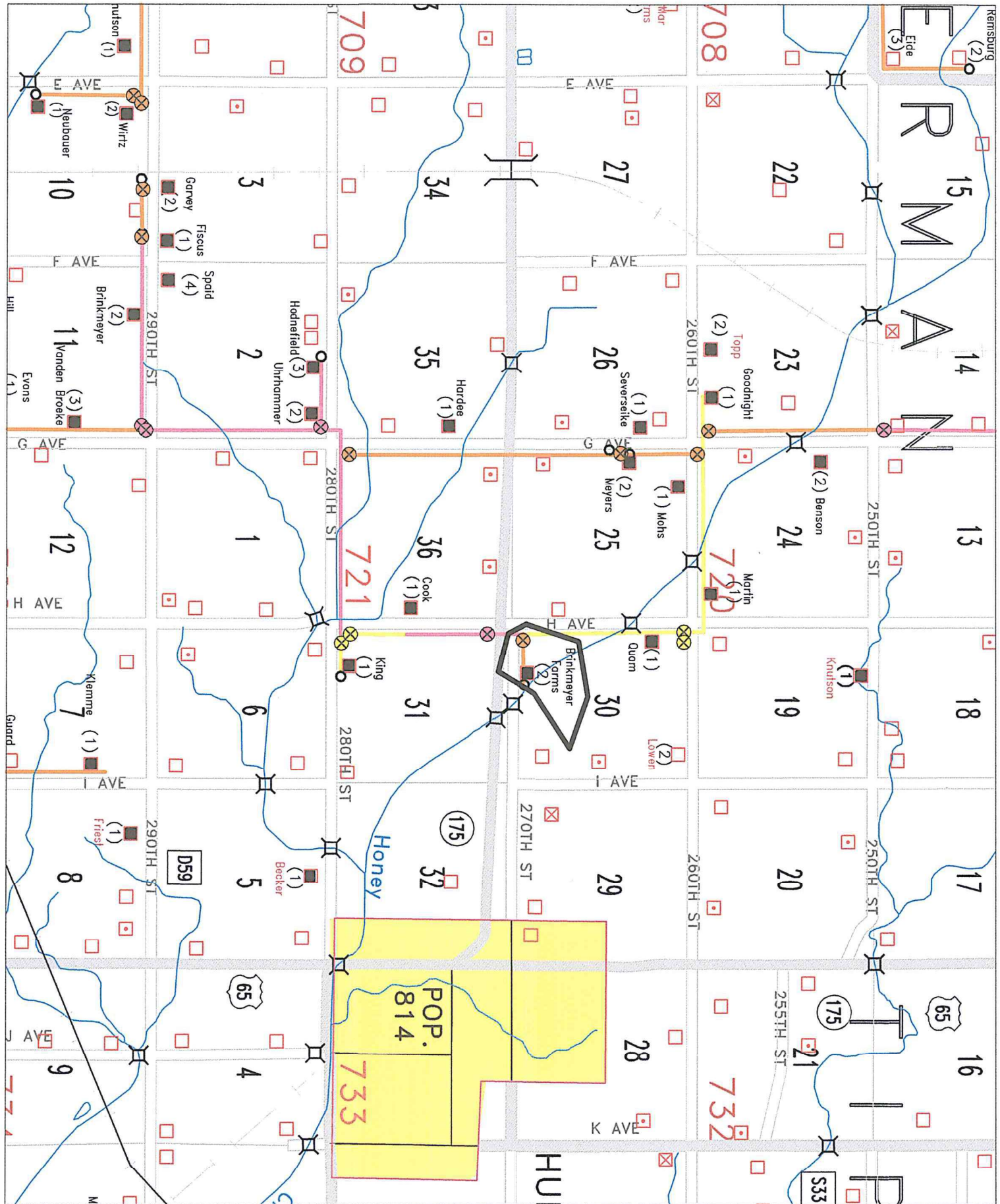


15. CROSSING OF DRAINAGE DISTRICT TILE LINES. Utility crossings shall be constructed as follows, as directed by the designated representative of the Drainage District:
- a. All proposed installations must be placed under the existing Drainage District tile lines. These requirements may be waived only upon the review by and approval of the designated representative of the Drainage District. Such waiver must be in writing.
 - b. A minimum of one foot (1') clearance below existing Drainage District facilities must be maintained.
 - c. At all crossings of Drainage District tile lines with the proposed utility, one of the following must be used:
 - i. Replace Drainage District tile with reinforced concrete pipe of same or larger diameter than existing tile. Concrete pipe to be 2,000 D strength (Iowa Department of Transportation approved) with standard tongue and groove joints. Pipe to have a minimum of three (3) bolt-type connectors at each joint.
 - ii. Replace Drainage District tile with cathodic protected corrugated metal pipe. Diameter of corrugated metal pipe to be a minimum of two inches (2") larger than outside diameter of tile line being replaced. (Specifications regarding gage, cathodic protection and other details to be subject to review and approval.)
 - iii. Dual wall plastic with specific approval of Drainage District representative.
 - iv. Bore new utility installation; maintain existing tile in an undisturbed state.
 - d. The length of tile to be replaced by any of the above alternates is as follows:
 - i. Eight-inch (8") tile and smaller: Six feet (6') either side of centerline of proposed installation, measured at right angles to the centerline of installation.
 - ii. Ten inch (10") tile and larger: Ten feet (10') either side of centerline of proposed installation, measured at right angles to the centerline of installation.
 - e. At all crossings of Drainage District tile lines where the Drainage District and private tile lines are damaged by the construction, maintenance or repair of Applicants installation shall be repaired as directed by the Drainage Districts designated representative.
16. This permit is subject to existing regulations and statutes of the State of Iowa and future regulations, which may be promulgated or enacted.
17. This application is subject to revocation by Hardin County, if in its judgment it is necessary for legitimate purposes. In such event, written notice shall be provided to permit holder.
18. Applicant agrees to pay all other legitimate costs, fees and expenses associated with its crossing of the Drainage District facility, including but not limited to, publication costs, engineering costs and legal service costs. Said costs will be paid within thirty (30) days of the mailing of the statements to the Applicant.
19. Applicant agrees to provide a copy of as-built plan of the utility route and location, showing route changes that may have taken place during construction.
20. Applicant agrees to include a copy of these requirements to all bidding specifications; or if the construction and installation contract has been let by the time this permit is approved, Applicant agrees to provide a copy of these requirements to the contractor and to advise them that they are bound by the terms of these requirements.



SECTION II – WIND TURBINE REQUIREMENTS

21. This Section shall apply to commercial wind turbine applicants as defined in Hardin County Ordinance 29, Article XXIII.
22. Section I above shall also apply, but to the extent the requirements of Section II herein are incompatible with those in Section I herein, those in Section II shall apply.
23. Prior to approval and issuance of a permit, applicant first shall obtain conditional approval from the Drainage District. The conditional approval shall be for each proposed site and shall require the applicant and the Drainage District to enter into an agreement containing the following terms: (1) At applicant's expense, and at District's direction and conditions, applicant shall televise the District Tile that may be impacted as determined by the District; (2) The applicant shall enter into a damages agreement with the District, per site, that: a. allocates to the applicant a percentage of fault for resulting damages to the Drainage District facilities; b. establishes damages based on replacement cost to the Drainage District; c. establishes a damages deposit; and d. requires the applicant to pay the Drainage District legal fees related to the agreement, including enforcement.
24. No permit shall be approved or issued without first entering a damages agreement as set forth in the previous paragraph. A permit will also include the following requirements:
 - A. At District's discretion, under the District's direction and conditions, and at applicant expense, applicant shall televise the District tile before and after a turbine's construction to review tile conditions.
 - B. Applicant shall use GPS to map crane walks and ingress and egress of all vehicles and equipment with a gross weight of 8,000 lbs. or greater, and shall provide this data to the District in a format approved by the District.
 - C. Applicant shall maintain a two hundred (200) foot setback from the outside of the turbine's footing to any District facilities, including open ditches, to allow for repairs to Drainage facilities.
 - D. At applicant expense, the District shall designate at its discretion an engineer/technician that the applicant shall allow to be present to observe any and all aspects of construction. These costs shall not be passed on to the landowner or District.
 - E. Wind turbine underground accessory facilities, feeder lines and cables shall be bored under District facilities at a depth approved by the District.
 - F. Applicant shall use the District engineer and local contractors approved by the District for all work pertaining to tile televising/inspection, repair and replacement. The District shall maintain a current price list for local contractors' services and rates and shall be provided at the applicant's request.
 - G. Any time a wind turbine undergoes changes, re-powering or re-blading, or any service to the turbine that requires a crane walk, the site will need to be re-televised as required in subparagraph "A" above, as well as new GPS mapping as required in subparagraph "B" above.
 - H. The District has the authority to enter upon the land and service any District facilities at any time, with or without the consent of, or prior notice to the applicant. The applicant is responsible for any cost increase experienced by the District for service and maintenance of District facilities due to a wind turbine and turbine accessory facilities and lines.
 - I. The applicant shall pay any legal costs, including reasonable attorney fees, incurred by the District related to any disputes or enforcement of these permit requirements.
25. The term "Applicant" shall mean the permit applicant, the applicant's agents, heirs, successors, assigns, and facility owners.



HARDIN COUNTY

IOWA REGIONAL UTILITIES ASSOCIATION
 1351 IOWA SPEEDWAY DRIVE, NEWTON, IOWA 50208-8254
 (641) 792-7011

DRAWN BY
 GJK
 4/3/2018

THIS MAP IS
 BASED ON
 IOWA DOT
 COUNTY
 HIGHWAY
 MAPS
 SHEET
 L-42
 PARTIAL



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<p>..... ➔ N</p>	<p>HARDIN COUNTY</p>	<p>IOWA REGIONAL UTILITIES ASSOCIATION 1351 IOWA SPEEDWAY DRIVE, NEWTON, IOWA 50208-82454(641) 792-7011</p>	<p>DRAWN BY CNK 3/29/2021</p>	<p>REVISED BY</p>	<p>187N R22W SHEET 733 PARTIAL</p>
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Drainage Utility Permit Application

Hardin County

Applicant: IRUA - Raymond Spangenburg

Contact Email: iruacray@gcmuni.net

Contact Phone: (319) 824-5920

Utility Type: N/A - Utility Permits Only

Drainage District: DDs\DD 55 Div 2 (51083)

Description of Work: DD 55 Div 2 - IRUA requests Permit for install from H Ave. running 1,300 feet East along 270th St. to serve 18265 270th St., combination of open cut trench & horizontal directional drilling will be used.

Pursuant to Code of Iowa Section 468.186, approval is hereby requested for the right, privilege and authority to construct, operate and maintain utilities on, over, across or beneath established Hardin County Drainage Districts, subject to the attached Requirements for Construction On, Over, Across or Beneath Established Drainage Districts. Failure to comply with said requirements shall be ground for revocation of the permit by the Hardin County Board of Supervisors.

Applicant Signature

Date

Submit Form and Location Plan 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
drainage@hardincountyia.gov

For Office Use Only

Application Approval:

By: _____ **Date:** _____
Board of Supervisor Chairman, Acting as Drainage District Trustee

APPROVED PERMIT #: 2021-01

Application in TCM
 GIS Annotation
 Approval Emailed