

AGENDA

Regular Drainage Meeting

Wednesday, March 23, 2022, 9:30 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. Approve Minutes

Documents:

[03-03-2022 DRAINAGE CONTRACTOR MEETING MINUTES.PDF](#)

4. Approve Claims For Payment

Documents:

[PAYABLES-DRAINAGE PUBLICATION 03-25-22.PDF](#)

5. DD 52 - Discuss W Possible Action - Honey Creek Land Improvement Update
6. Discuss W Possible Action - DD 56 Change Order # 2

Documents:

[DD 56 6830 2 - CONTRACTOR AND ENGR SIGNED.PDF](#)

7. Discuss W Possible Action - Request From Heart Of Iowa To Waive Inspection Fee

Documents:

[HEART OF IOWA UTILITY PERMIT REQUEST TO WAIVE FEE 3-16-22.PDF](#)

8. DD 119 - Discuss W Possible Action - Heart Of Iowa Utility Permit Application

Documents:

[2022-05 HEART OF IOWA UTILITY PERMIT DD 119.PDF](#)

9. DD 136 - Discuss W Possible Action - Heart Of Iowa Utility Permit Application

Documents:

[2022-05 HEART OF IOWA UTILITY PERMIT DD 136.PDF](#)

10. DD 114 - Discuss W Possible Action - Outstanding Warrant
11. Discuss W Possible Action - Invoice Drainage Utility Permit Review

Documents:

[INVOICE - DRAINAGE UTILITY PERMIT LANGUAGE REVIEW.PDF](#)

12. Discuss W Possible Action - New Work Order Requests
DD Big 4 Main WO 326 - Landowner Mike Inks reports a beaver dam nearing completion on parcel #892233300002. Dam is roughly 600 yards North of HWY D25 Bridge.
According to Mike, there is a lot of beaver activity in the area.

Documents:

[DD BIG 4 MAIN WO326 - BEAVER DAM 33-89-22.PDF](#)
[BIG 4 MAIN WO326 - BEAVER DAM MAP 33-89-22.PDF](#)

13. Other Business
14. Adjourn Meeting

DRAINAGE CONTRACTOR MEETING**Thursday March 3, 2022, 8:30 A.M.****This meeting was held electronically and in-person.**

3/3/2022 - Minutes

1. Open Meeting

Hardin County Drainage Chairperson BJ Hoffman opened the meeting. Also present were Trustee Renee McClellan; Trustee Lance Granzow; Lee Gallentine of Clapsaddle-Garber Associates; Michael Pearce, Network Specialist; Steve Weidemann (by phone), Weidemann Inc.; Paul Williams, Williams Underground Services; Adam Seward, Honey Creek Land Improvement; Jeremy Kolthoff, South Fork Custom Fencing; Joel Steiner; South Fork Custom Fencing; Tami Maas, Gehrke Inc.; Kim Faris, Faris Farms; Jacob Handsaker; Hands On Excavation; Lance Stolee, Hands On Excavation; and Michelle Kuechenberg, Drainage Clerk.

2. Approve Agenda

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

3. Introductions/Attendance

Introductions made and attendance verified.

4. Discuss W Possible Action - Policy Updates - Contractor Feedback

Hoffman stated he would like everyone to update their rate sheets and insurance forms. Hoffman stated that way everyone knows what we're supposed to be paying everyone and there is no confusion. Hoffman stated rate sheets can be updated as often as the contractor's see fit, Hoffman understands fuel and labor expenses can be very arduous. Hoffman stated we can only pay the rate each contractor has on file with us. Hoffman asked if anyone had any questions about the rate sheets.

Hoffman stated he would like to talk about some pending large scale projects in the County. Hoffman stated they are not set and stone so his first disclaimer, he is not an attorney and neither is Lee Gallentine with CGA, but if you look at the scope of these projects please consider equipment, staffing needs, and what is and isn't on your current calendar. Hoffman stated he would encourage everyone to be in contact with Summit Carbon Solutions and Navigator to see what their projects look like and the timeline/what they may need for services. Hoffman stated some of those services will be reliant on the Drainage Utility Application and Permit process. Hoffman stated he is not expecting anyone to go out and buy equipment until they know for sure the projects are going to happen and it is going to be in your best interest to do that. Hoffman stated by no means is Hardin County Drainage Trustees encouraging anyone to go out and spend ridiculous amounts of money but if you believe that is what you need to do to be a part of the upcoming project, feel free to do so on your own. Hoffman asked if there was any questions. No one had questions at the time.

Hoffman stated the next thing he would like to talk about is the scope of the projects coming in and he is going to allow Gallentine, if he is ok with it, to explain the two projects and what construction variables may be in place. Gallentine stated we have the two maps for the proposed liquified carbon dioxide pipelines. Gallentine stated he does not know if anyone is up to speed on the project but the plan is they're going to capture carbon dioxide at local ethanol plants and pressurize it between 1,300 and 2,100 psi until it is liquified to put in a pipeline. Gallentine stated they're going to collect everything underground, one project takes it west to North Dakota and the other project takes it east to Illinois. Gallentine stated essentially they inject it underground to porous sandstone then it stays liquified/sequestered forever. Gallentine directed his attention to the maps displayed on the screen of the proposed routes from Summit and Navigator. Gallentine stated these are there proposed routes going across Hardin County. Gallentine stated one of them will go up to Pine Lake ethanol and hook up, the other one just goes across country and that is it. Gallentine stated they have to go through the Iowa Utilities Board, there will be a whole process involved there, as part of that for private tile, not district tile, they have to do an Ag Restoration plan of how they will restore the soil/tile. Gallentine stated what we are talking about today is for the Drainage District facilities, it is my understanding that they will have to get a permit for each tile that they cross. Gallentine stated the current permit is attached to the agenda. Gallentine stated what is going to apply is the last page that discusses pipelines. Gallentine stated he believes the District Trustees have it set up requiring pipeline companies to use local contractors to do those repairs on the district tile only. Gallentine stated that is why you are here to make sure your hourly rates are up to date and that you are aware of the project/compacity because it will be hard for the

Supervisors as Trustees to say pipeline companies have to use local forces if only one contractor can dedicate one crew. Gallentine stated that would not be enough. Gallentine asked Hoffman if that covered what he was thinking. Hoffman stated it did. Hoffman stated he thinks it is important to go through the utility permitting process for the pipelines that was approved yesterday. Hoffman stated there are some special considerations on this project compared to our run of the mill work that need to be taken into account when you do your rates and stuff. Hoffman stated an example would be the concern of heavy equipment driving across some of these district facilities. Hoffman stated we want to be able to maintain the database of information to protect the drainage infrastructure and the people paying for it. Hoffman stated the one thing would be to add GPS capabilities to equipment to be able to track movement so anytime on the project there would be a map of data built showing your location. Hoffman stated down the line no one will be able to say, I'm going to use you Kim Faris as an example, that Kim drove a rock truck over a 100 year old clay tile 16 times and that is where it crushed. Hoffman stated we will have proof saying Kim was never on that job site. Hoffman stated GPS tracking was an idea of one of our local contractors and he thinks that will preserve the quality of litigation in future claims. Hoffman stated that will be one of the things that will be required for vehicles over 8,000 pounds. Gallentine stated on the back page it is item D. Gallentine stated essentially this came about with the talk of wind towers, typically when they do crane walks you watch them when they cross the district tile. Gallentine stated the question is always what do they do when you're not out there. Gallentine stated the permit requires GPS mapping of any vehicle greater than 8,000 pounds, that way there is no confusion on your path. Gallentine stated that would apply to any of the contractors out there if you work for the pipeline or the pipeline folks themselves. Handsaker asked if that is for all equipment that is out there. Gallentine stated all equipment. Gallentine stated he is not talking GPS machine control. Handsaker stated he understood. Gallentine stated if they can put it in your phone and stuff it shouldn't be too expensive. Handsaker stated it was not super cheap. Handsaker stated depending on how many machines you have set up and what type. Handsaker stated they looked at it for all machines and it was several hundred dollars a month. Handsaker stated you're probably looking at \$20-\$50 a piece of equipment per month. Hoffman stated thank you for weighing in Jacob, I didn't hear you introduce yourself. Hoffman stated he knows that the county went through Verizon for our equipment. Hoffman stated Verizon is very affordable. Hoffman stated it is a good way to protect you guys in the future and it will give the local landowners and those being assessed any fees a peace of mind that we actually care what is going on. Gallentine stated Jacob snuck in late so you did not miss him. Gallentine stated you guys control your hourly rate sheets, it isn't to say that you can't have a different hourly rate for your backhoe running this and a different rate for your backhoe being GPS tracked. Gallentine stated if you would like to set up your rates that way you can have two different rates.

Hoffman stated another area in the permitting process he would like to take a look at is the televising of facilities before and after construction. Hoffman stated that is an insurance policy hoping to preserve the integrity of the facility so those people that are financially responsible for the facilities are not being assessed damaged fees after construction is complete. Hoffman stated that is one of the things where Lee and I do not know how many crossings there will be because the route is indefinite or unsure right now but the crossings in that area will need to be televised. Hoffman stated he is not sure if it has been determined how much on each side of the crossing will be televised or how that process will work. Hoffman stated televising district facilities will be a huge part of any project that takes place within a drainage district. Hoffman asked if anyone had any questions. Williams asked if we were going to pre televise or pre and post televise. Gallentine stated we will televise pre and post. Gallentine stated that is item A on the Utility Permit Application. Gallentine stated this is at the District Trustees discretion there will be pre and post televising. Gallentine stated he would assume you would want to do at least the right of way with minimum, permanent and temporary easements. Gallentine stated they should not be outside of that a whole lot. Gallentine stated he believes for private tile the state requires that you have to rod them to make sure they are clear. Gallentine stated there is a big difference between a free flowing tile unobstructed and one you can just run a rod up. Williams stated he saw one that way yesterday. Gallentine stated that is requirement A.

Hoffman stated the other requirement; I think Lance, Renee, and I; really take pride in the fact that they all went to at least one if not 2 of the pipeline meetings. Hoffman stated Ellingson Corporation out of Minnesota is who Summit plans to use for their tiling needs. Hoffman stated he wants to make sure they know the Trustees went to bat for their local contractors in the fact that the Trustees know on occasion we have new contractors that go up to someone that has been a life long resident of Hardin County and introduces themselves and they're a little hesitant because their lifeblood is in that soil. Hoffman stated their lifeblood is in those drainage tiles whether it is private or district facilities so the Trustees want to make sure that they gave the local contractors the opportunity to have some financial gain from this. Hoffman stated he is sure that any contractor in the room would rather work 20 miles from home than have to work in other counties. Hoffman stated knowing that this is going to be good honest work and the pay will be there and probably a little more expedited than say if we have to have a closing hearing on a project 18 months after the project is done. Hoffman stated their intent with adding the local contractors having priority was not only to help the landowners and make sure we have quality work but also to make sure we maintain the relationship and respect from the landowners in their confidence and quality of work that is being done. Hoffman stated he believes the project will end up happening and if they do end up happening, our local contractors that pay wages, buy food, buy fuel from the county will be able to benefit from the project as well. Gallentine stated the way it was stated at meetings, for private tile, Summit Carbon is planning on using Ellingson Contractor, what they call local contractor, out of Minnesota. Gallentine stated when you are in a multi-state project

who is local and who is not. Gallentine stated district tile. this permit would prevail with local contractors. Gallentine stated, Navigator, they indicated at their meeting that they are planning on using local contractors, even for private tile. Handsaker stated, Summit Carbon has said that too. Gallentine stated, ok, maybe through changes negotiations have happened. Handsaker stated at their meeting in Ames, Summit Carbon Solutions stated, "Ellingson was there tile guy, but if a landowner has a preference they would accept that." Gallentine after they have been around to enough meetings that probably has changed. Gallentine stated he went to the meeting for Hardin/Franklin and they said they were using Ellingson. Gallentine stated those were the first two meetings so he imagines after getting enough questions the sales pitch was tweaked. Gallentine stated either way, for district tile, this permit should prevail for local contractors. Hoffman asked Gallentine if he could think of anything else in the permit that we should discuss. Hoffman stated one thing he does want to talk to everyone about is once this project gets started, it will go pretty quick. Hoffman stated the professionals that will be doing a lot of work are former oil and gas pipeline people that had previously been working on oil and natural gas pipelines, and because of some unnecessary circumstances in our country today, they are being displaced. Hoffman stated they are very systematic and they move things very quick. Hoffman stated if you are going to commit to these projects please be aware that they work through rain or shine. Hoffman stated make sure your schedule is available and you're upfront and honest with any conflicts or changes that way there is no lack of respect on either side.

Gallentine stated the way the permit works is that the owner/developer, whatever you want to call them, has to let us know when they're crossing the district facilities. Gallentine they will have to meet the conditions of the permit. Gallentine stated from the sounds of it CGA will be out on site on the private side as the county inspectors for the AG restoration plans also. Gallentine stated they will be out there continuous either way. Gallentine stated he thinks BJ is right, we've all seen wind farms go up in the past, and I think pipelines schedules are probably a little more aggressive than wind farms so they will be out there 6-7 days a week sun up to sun down. Gallentine stated those guys are typically certified union employees and they're just working so they really hit it hard, hopefully we have enough compacity in the County to meet their requirements.

Hoffman stated one other thing he wants to make sure everyone does when they update their rate sheets is to give Michelle, our Drainage Clerk, a copy of their updated insurance form too. Hoffman stated he is sure that Navigator and Summit will want that information and it would be nice for Kuechenberg to be able to build packets. Hoffman stated if the insurance policy happens to have a lapsed date or a renewal date sometime within the project the Trustees would hope that they update that and get it to the Drainage Clerk as soon as possible. Hoffman stated he is sure they will not want the contractors out on the job site unless they're fully insured. Gallentine stated one more thing he can think of on the hourly rate sheets is if there is anything that is excluded, such as special safety training, the pipeline would require. Gallentine stated he wants everyone to think of those special costs and add it to their rate sheets, he knows it is really hard to recoup those fixed costs if you go to something special like that. Gallentine stated, talking to a different contractor on a previous windmill project, the contractor told him he had to have his guys on site at 7:30 in the morning because they required a half hour of exercise then they would have to go to a different job because they were not working that day. Gallentine stated if they were going to work in that week they would have to be on site for the hour exercise. Gallentine stated he just want's everyone to be aware, it is not some of the traditional Iowa common sense type of thing that we are like lets get at it. Gallentine stated you will probably have to attend safety meetings.

Hoffman stated that is everything that he wants to cover if anyone has any questions or comments. Seward asked if they know how many railroad crossings we would be dealing with and who would assume that responsibility. Gallentine stated that is up to the pipeline/applicant, they have to deal with railroad crossings. Gallentine stated unless if they are crossing a district tile at a railroad, it is not our concern. Seward stated that Paul mentioned earlier that he would like to take on all railroad projects. Paul stated he did not. Seward stated he thinks he pawned that off on Paul a year or so ago. Seward stated BJ should make note that Paul is now in charge of all railroad. Hoffman stated he had a feeling someone would bring up our friends at the railroad today. Gallentine stated that would be another thing is that if you have to get into a railroad right of way as part of this project to get to the district tile, you may want to put that disclaimer on your rate sheet. Gallentine stated typically if CGA does a construction project they exclude any of that specialized insurance or any of that. Seward stated that is why he was asking, railroad insurance for that quarter is through the roof. Seward stated you would probably have to deal with 2-3 different railroads potentially. Seward stated that it can be a real drain for everyone involved, especially the clerk when there is more important things she could be doing. Gallentine stated the district does not need to deal with the access permit, the contractor does. Gallentine stated he understands it is more work but it is not like it is a district driven project, they're driving the project. Kolthoff asked if that meant we could work under them. Gallentine stated you will have to talk to them. Kolthoff stated because that is where we have to call in locates, if they go through something, he is wondering if locates have to be called every single time. Gallentine stated as a general life policy he would call in locates. Kolthoff stated he was just wondering if they go through 5 of them in a short period we could get them done and over with. Gallentine stated there is a lot of variables on their schedule and their timing. Gallentine stated both companies stated they would like to take care of all of the private tile issues ahead of time and they say that they would like to divert around/reroute so they do not have to deal with it during construction, it is nice in theory, in implementation that will be tough because the tile runs where the tile is for a

reason. Gallentine stated a reroute can be problematic at best. Gallentine stated he has not imposed these route maps on a map to figure out which districts they're crossing because they are still a proposed route. Gallentine stated if you look at the map on the wall all of the colored areas are drainage districts in Hardin County. Gallentine stated they will be crossing quite a few of them. Weidemann asked who is responsible for televising pre/post as far as contacting and all of that good stuff. Gallentine stated the company that is constructed the pipeline pulls the permit, they are in charge of making sure that gets done. Gallentine stated to his knowledge we have one in County contractor that has televising capabilities. Weidemann asked if it is the contractors responsibility to get a hold of that, or is it separate. Weidemann asked who was responsible. Gallentine stated whoever pulls the permit. Gallentine stated it is no different than they're responsible us when they are going to cross the tile or notifying a local contractor to repair the tile if it gets damaged. Gallentine stated his goal would be to cross them without damaging any one of them. Gallentine stated he does not think that they will likely slow down enough for that unless if it is flowing enough their trench gets filled. Hoffman stated he would agree. Hoffman stated Lance, Renee, and I need to discuss at an upcoming meeting, Kuechenberg can put it on the agenda, how we will archive the data from televising whether we'll keep the data, CGA keeps it, or if we provide a copy to the developer and we keep a copy. Hoffman stated he thinks that is something we need to add to our policy at an upcoming meeting. Handsaker asked if CGA will have specs for crossing that pipeline. Gallentine stated it is already in there. Gallentine stated as far as how to cross it. Handsaker stated, right, as far as sandbags or what we're doing to support flow line and not reduce settling or xyz.

Gallentine stated if you look at page 4 of the permit it talks about district tile and how to repair them if they're crossed. Gallentine stated page 3 talks about open ditches. Paul stated without going into detail on page three and four are we just doing the same thing we are doing now. Gallentine stated he wouldn't say it is necessarily the same thing. Gallentine stated he will go over it real quick. Gallentine stated they maintain at least a foot clearance between the district facility and their pipeline. Gallentine stated the requirement is that they go below the district facility so if that tile needs to be repaired you do not have to dig past their pipeline to get to it. Handsaker asked who does all of the locating for depth on that, is the permit holder responsible for that? Handsaker stated they will have to find the depth ahead of time. Handsaker asked if that would be pot-holing for the local guy? Gallentine stated he believes they have the option to use whoever they want because the permit reads that they should use local contractors for all work pertaining to televising and repair/replacement. Gallentine stated they have to clear it by a foot, if they damage the district tile they would have to replace it with either concrete pipe with tied joints so that there is a firm basis going across the trench or CMP. Gallentine stated his general preference is concrete, CMP is ok, but to be honest the galvanized coating is not what it used to be. Gallentine stated it does say that dual wall will be allowed with approval of district representative. Gallentine stated we probably will not, not for a pipeline going under them. Gallentine stated he gets concerned with sinking, he does not care how you do it. Gallentine stated the preference would be to bore, but he does not know if they will be willing to bore every tile. Hoffman stated he had a question for Handsaker. Hoffman asked if Handsaker preferred that we amend the permit language that exploration and location shall be performed by local contractors as well? Handsaker stated that would double the amount of work that they would have to do. Handsaker stated it would be good if they would be able to send a report to CGA or someone in their notice that they are going to cross that they tell us what that depth and the size of tile is so we are not showing up on site with the wrong information. Handsaker stated it would be nice to show up on site with the correct materials so we know we are not sitting there with water running in there hole. Handsaker stated we will have to stock a whole pile of concrete pipe. Handsaker asked if they made concrete pipe to 12. Gallentine stated he thinks 12 is the smallest, below that we would have to have CMP or require 12. Gallentine stated he thinks the first right of fusel sounds good, he would be surprised if you get that information if they pothole it. Gallentine stated based on the wind towers that he has worked on they've had the electrical contractor potholing and he had no clue what field tile was. Gallentine stated they gave him GPS coordinates and Gallentine had to tell him it is on the top of the hill, it is not even here. Gallentine stated the guy asked how he knew. Gallentine stated he told him he just does, there is nothing to drain here. Gallentine stated he would imagine you might get a little bit of that with the pipeline guys. Kolthoff asked if that would be documented the first time by Paul going through and televising. Gallentine stated someone has to find it the first time though, either you are going to hire Paul to go out there to find it and televise it or they can try and find it themselves. Paul stated he can do the same way he is doing with CGA right now, if he finds it, he can televise it every 50 ft or so. Gallentine stated he does not disagree, after it has been televised, we will know the size. Gallentine stated that initial finding someone has to do. Paul stated he feels like the county and CGA should have a copy of that for our own protection. Gallentine stated we will have to figure out a cloud based system where we can upload it. Paul stated he thinks he can email the reports. Gallentine stated the file size will be what bites you. Paul stated right, if CGA is going to be involved it would be easier. Paul stated he can just go to CGA office and pick up a USB drive and we can have it the same day. Gallentine stated he thinks we can work out a system. Kolthoff if they want to see where they are at and how deep it is, that is on them, isn't it? Gallentine stated we do not know if they want to dig through them and repair them after the fact or if they want to replace all of them with concrete before they start. Gallentine stated he does not know if they know, they have so many other things in the fire he does not know if district tile is their concern. Gallentine stated at some of the meetings when he starts talking about district tile they do not understand the difference between that and private tile. Granzow asked what the odds are of them just ignoring all of this and plowing through and being done. Gallentine stated he thinks as Trustees they have the upperhand to make sure that does not happen. Gallentine stated he does not think it is huge because he gave a

copy to the State representative of our current copy of the utility permit and said, "that is great that they have an AG restoration plan but drainage districts have a right above and beyond that and in Hardin County they will have to do this." Gallentine stated he was ok with that. Gallentine stated the State Representative he spoke with works for the Attorney Generals office and he writes a general opinion to give to the Utilities Board. Paul asked if we could back up to the requirements. Paul asked if we could back up and talk about the requirements with concrete and tied joints. Gallentine stated the thought is with the concrete with tied joints you would go passed the width of the trench. Paul asked if we would still want a concrete collar on that. Gallentine stated, yes. Gallentine stated what Paul is talking about is when you have the concrete tile joining an old clay pipe we require a concrete collar.

Hoffman asked if there are any other questions. Hoffman stated he hopes everyone found this meeting helpful and can appreciate the fact that we want our local contractors to succeed. Hoffman stated he is sure we might have a little push back on this because we are picking winners and losers but we are going to pick winners from Hardin County that are invested in our community. Hoffman stated shame on the Trustees for picking winners that will keep the money in our schools and our grocery stores but he personally believes that is what is best for our contractors. Paul asked if there was a proposed start date for any of this? Gallentine stated Navigator was looking like 2023-2024 and Summit was looking like end of 2022 beginning of 2023. Gallentine stated when they have these informational meetings they can not negotiate or talk to any landowners prior to the meetings. Gallentine stated they really do not have an idea of how much support or resistance they are getting for obtaining easements. Gallentine stated both of them indicated that they are going to try and get voluntary easements they are trying not to use eminent domain. Gallentine stated going across 5 states, we all know how that's going to go. Gallentine stated that will be the biggest thing is getting the right of way and if they do not get the right of way voluntarily can they get the power of eminent domain and how quickly. Gallentine stated there has been quite a bit of opposition meetings that he has been at and a lot of local Hardin County opposition in general ranging from a disturbance in farmland, to they just do not believe in the merits of the project. Hoffman stated with that being said he wants to thank everyone who attended the meeting. Hoffman stated please get any materials you need from Kuechenberg. Hoffman stated if we have another meeting hopefully everyone will show up. McClellan asked if Kuechenberg had information for Weidemann's's. Kuechenberg stated she did. McClellan stated she would mail him a copy of the rate sheet. Kuechenberg stated she could do that. Gallentine stated one thing he will say is today the hot button issue is the two carbon pipelines but this permit process will apply to hazardous, liquid, or pressurized pipeline in the future. Gallentine stated he just wants everyone to be aware that it is not specific to carbon pipelines. Kuechenberg stated she received something in the mail yesterday from Summit detailing some upcoming informational meetings. Kuechenberg stated the one in Hardin County will be held in Eldora at coming up on March 11 at 11:30 a.m. to 1:30 p.m. in the Hardin County Fairgrounds youth building. Gallentine stated you said March 11th. Kuechenberg stated, yes, March 11th. Gallentine asked if that was for landowners or the public. Kuechenberg stated, according to the invite, it is open to the public. Kuechenberg stated they are serving lunch too. Hoffman stated there you go, you said lunch and everyone is really excited now. Gallentine stated he will not be able to make it to that one he has a conference. Gallentine stated if there is anything in Franklin County, Kuechenberg should let him know. Kuechenberg stated she can make copies and hand them out to everyone. Hoffman thanked everyone for coming.

5. Possible Action
6. Other Business
7. Adjourn Meeting

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



Hardin County

Drainage Claims with Pay Date of 3/25/2022

DD 14 Full Notice Of Public Hearing Times Citizen

Times Citizen

38.88

Total Regular Payables:	0.00
Total Stamped Warrants:	38.88

Date of Issuance: 3-10-2022	Effective Date: 2-21-2022
Owner: Trustees of Drainage District 56	Owner's Contract No.: NA
Contractor: Gehrke, Inc.	Contractor's Project No.: NA
Engineer: Lee Gallentine P.E.	Engineer's Project No.: 6830.4
Project: Upper Main Tile Diversion Drainage District 56	Contract Name:

The Contract is modified as follows upon execution of this Change Order:

Description: The supplier requested the use of Class III over Class IV pipe for the 48" RCP in the shallower portions of the project, the landowner of the pasture at the north end of the project requested Super Grazing Mix from Albert Lea Seed along with erosion control devices (contractor suggested 9" straw wattles) to be installed to prevent erosion prior to seed establishment, and contractor verified that bid item 5 could be used for either connecting private tile to the proposed 48" RCP or reconnecting private tile to itself across the trench for the proposed 48" RCP as long as the length of private tile used didn't exceed 20'.

Attachments: Email from contractor, email with design information from supplier's Professional Engineer, pasture seed mixture requested by landowner, and revised contract prices and quantities.

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT TIMES
Original Contract Price: Original Contract: \$ <u>956,589.00</u>	Original Contract Times: Substantial Completion: <u>December 31, 2021</u> Ready for Final Payment: _____ date
Increase from previously approved Change Orders No. <u>1</u> to No. <u>1</u> : \$ <u>49,626.40</u>	Increase from previously approved Change Orders No. <u>1</u> to No. <u>1</u> : Substantial Completion: <u>June 30, 2022</u> Ready for Final Payment: _____ date
Contract Price prior to this Change Order: \$ <u>1,006,215.40</u>	Contract Times prior to this Change Order: Substantial Completion: <u>June 30, 2022</u> Ready for Final Payment: _____ date
Decrease of this Change Order: \$ <u>3,000.00</u>	Increase of this Change Order: Substantial Completion: <u>June 30, 2022</u> Ready for Final Payment: _____ date
Contract Price incorporating this Change Order: \$ <u>1,003,215.40</u>	Contract Times with all approved Change Orders: Substantial Completion: <u>June 30, 2022</u> Ready for Final Payment: _____ days or dates

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: <u>[Signature]</u>	By: _____	By: <u>[Signature]</u>
Engineer (if required)	Owner (Authorized Signature)	Contractor (Authorized Signature)
Title: <u>Engineer</u>	Title: _____	Title: <u>Vice President</u>
Date: <u>March 22, 2022</u>	Date: _____	Date: <u>3-22-22</u>

Lee Gallentine

From: Jeremy Maas <jmaas@gehrkeinc.com>
Sent: Thursday, March 03, 2022 9:58 AM
To: Lee Gallentine
Cc: Randy Fahr
Subject: RE: DD 56 - 6830.4

Seeding requirement is fine. Bid item is good to use.
Straw waddles. Install 4.00 per ft. If removal is needed add additional 2.00 ft.
Due to frost yet and safety of livestock I think we better use waddles.9 inch.
I'll email you cnty permit tonight.
Tile hookup bid price is ok as long as we do not go over 20 ft per repair/hook up.
If we encounter a parallel tile issue we will have to discuss how to repair it at that time in the field.
Let me know your thoughts.
Jeremy

On Mar 3, 2022 9:41 AM, Jeremy Maas <jmaas@gehrkeinc.com> wrote:
I will call you in a couple hours. It's easier then trying to email out here. Phone doesn't work all the time. Sorry.

On Mar 3, 2022 7:17 AM, Lee Gallentine <LGallentine@cgaconsultants.com> wrote:
Jeremy,
Thanks for responding to me about that. Yesterday I mentioned to the District Trustees about the use of Class III and a reduction in pipe price. They had no comment either way. I also told them that I would be drafting a change order to formalize that. I would like to incorporate the items in yellow highlight on the attached preconstruction meeting minutes in that same change order. Could you get me pricing on those items ASAP?
Thanks,

Lee O. Gallentine, PLS & PE
Vice President

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Clapsaddle-Garber Associates, Inc. (CGA)
739 Park Avenue
Ackley, Iowa 50601

Office: 641-847-3273
Mobile: 515-689-5339
lgallentine@cgaconsultants.com
www.cgaconsultants.com

Lee Gallentine

From: Jeremy Maas <jmaas@gehrkeinc.com>
Sent: Monday, February 21, 2022 5:41 PM
To: Lee Gallentine
Cc: Jim.Sweeney@ForterraBP.com; Randy Fahr
Subject: FW: Hardin DD56 48" RCP Analysis
Attachments: Hardin DD56 Pipe Analysis.pdf

From: Jim Sweeney <Jim.Sweeney@forterrabp.com>
Sent: Monday, February 21, 2022 4:13 PM
To: Jeremy Maas <jmaas@gehrkeinc.com>; Randy Fahr <rfahr@gehrkeinc.com>
Subject: Hardin DD56 48" RCP Analysis

Please forward to Lee.

From: Brandon Christiansen <Brandon.Christiansen@forterrabp.com>
Sent: Wednesday, December 8, 2021 3:12 PM
To: Jim Sweeney <Jim.Sweeney@forterrabp.com>
Subject: Hardin DD56 48" RCP Analysis

Jim,

I have attached the analysis for 48" RCP installed with type B bedding (SUDAS SW103 type F3) which is a 7ft wide trench, rock to the springline. The cutoff point is 17ft for class 3. Based on the plans, it appears the entire job can be installed with class 3 pipe except for the deep fill portion from station 8+00 to 21+00. That 1300ft would need to be class 4.

Thanks,



Brandon W. Christiansen, P.E.
Sales Engineer
525 South 11th Street
West Des Moines, IA 50265
T 515.223.8761 C 515.250.7892
brandon.christiansen@forterrabp.com
forterrabp.com



Three Edge Bearing Analysis - Results

Project Description

Project Title: Hardin County DD56	Consultant: CGA
Project Location: Hardin County, IA	Contractor: Gehrke
Contract Number:	Analyzed By: BWC
Country: US	Date: 08-Dec-21
Units: English	Comply To: ASTM (AASHTO)
Alternative: 48 RCP	

D-LOAD REQUIREMENTS FOR A 48 in. DIAMETER CIRCULAR PIPE

PIPE DATA

Inner Diameter (in.)	48
Wall 'B' Thickness (in.)	5.000

INSTALLATION CONDITIONS

Minimum Depth of Fill (ft)	5.00
Maximum Depth of Fill (ft)	25.00
Soil Density (lb/cu. ft)	120.0
Installation Type	Trench
Trench Width (ft)	7.00
Soil Lateral Pressure/Friction Term ($k\mu'$)	0.1300
Parameters to compute Transition Width	
Positive Projection Ratio	0.50
Soil Lateral Pressure Ratio	0.33
Soil Lateral Pressure/Friction Term ($k\mu$)	0.1000
Soil Lateral Fraction (m)	0.50
Settlement Ratio	0.70

ADDITIONAL LOADS

Live Load	AASHTO HS-SERIES (HS-20)
	Single Axle Load = 32(kips), Double Axle - Load per Axle = 24(kips), Space = 4(ft)
	Default I.F. per AASHTO Used.
No Surcharge Load	

FACTOR OF SAFETY

Factor of Safety on 0.01 Inch Crack D-Load (Earth,Live)	1.00	1.00
Factor of Safety on Ultimate Earth and Live Load (ASTM C 76)		
DL.01 Less Than or Equal To 2000 lbs/ft/ft	1.50	
DL.01 Greater Than or Equal To 3000 lbs/ft/ft	1.25	
DL.01 Between 2000 and 3000 lbs/ft/ft		Interpolated

D-LOAD REQUIREMENTS FOR A 48 in. DIAMETER CIRCULAR PIPE

Results of Analysis for Bedding Type B

Pipe Depth	Earth Load		Live Load	Surch Load	Total Load	Bedding Factor	Required D-Load	
	Arching	>Trans	Load	Load	Load	DL	0.01 in.	
	Factor		(lb/ft)	(lb/ft)	(lb/ft)		(lb/ft/ft)	
5.00	1.11	Y	3222	823	0	4045	2.28	444 (CL-I)
6.00	1.14	Y	3950	672	0	4622	2.26	511 (CL-I)
7.00	1.16	Y	4709	560	0	5269	2.25	586 (CL-I)
8.00	1.19	Y	5500	474	0	5974	2.24	667 (CL-I)
9.00	1.21	Y	6325	406	0	6731	2.23	755 (CL-I)
10.00	1.21	N	7016	352	0	7368	2.19	840 (CL-II)
11.00	1.19	N	7585	308	0	7893	2.14	921 (CL-II)
12.00	1.17	N	8133	272	0	8405	2.12	992 (CL-II)
13.00	1.15	N	8661	242	0	8903	2.10	1058 (CL-III)
14.00	1.13	N	9170	217	0	9387	2.09	1123 (CL-III)
15.00	1.11	N	9660	195	0	9855	2.08	1186 (CL-III)
16.00	1.09	N	10133	177	0	10309	2.07	1247 (CL-III)
17.00	1.07	N	10588	161	0	10748	2.06	1305 (CL-III)
18.00	1.06	N	11026	147	0	11173	2.05	1361 (CL-IV)
19.00	1.04	N	11449	135	0	11584	2.05	1416 (CL-IV)
20.00	1.02	N	11856	124	0	11980	2.04	1468 (CL-IV)
21.00	1.01	N	12248	114	0	12363	2.03	1519 (CL-IV)
22.00	0.99	N	12626	106	0	12732	2.03	1568 (CL-IV)
23.00	0.97	N	12991	98	0	13089	2.02	1616 (CL-IV)
24.00	0.96	N	13342	92	0	13433	2.02	1662 (CL-IV)
25.00	0.94	N	13680	86	0	13765	2.02	1706 (CL-IV)

Selected Depth: 25 ft. (closest pipe depth : 25 ft)

Reinforced Pipe Classes for 0.01 in. crack per ASTM C76 (lb/ft/ft):

CL I <= 800; CL II <= 1000; CL III <= 1350; CL IV <= 2000; Class V <= 3000

Pipe Analysis Report

Pipe Depth – The height of cover from the top of the pipe to the soil surface, m (ft).

Earth Load

Arching Factor – The ratio of the design soil load on the pipe to the load from the prism of soil immediately above the pipe (prism load). By multiplying the soil prism load by the Arching Factor, the Earth Load on the pipe will be determined. The Arching Factor is constant for Standard Installations in the positive projecting condition, but variable for all other bedding and installation conditions.

>Trans - (Applicable for Trench and Negative Projecting Conditions only) – When a trench or negative projecting design is performed, the soil load above the pipe may or may not be reduced by frictional forces between the insitu and placed soils, depending on the depth and width of the trench. A symbol of “Y” is shown when the trench width exceeds the width at which frictional forces reduce the soil load on the pipe (Yes, the transition width has been exceeded, and the positive projecting design governs). A symbol of “N” is shown if frictional forces reduce the load on the pipe (No, the transition width has not been exceeded).

Load – The load in kN/m (lbs/ft) imposed on the pipe from the soil.

Live Load – The load on the pipe resulting from a dynamic load at the surface, kN/m (lbs/ft).

Surcharge Load – The load in kN/m (lbs/ft) imposed on the pipe from surcharge loads such as buildings, stationary equipment, etc. on the soil surface above the pipe.

Total Load – The summation of all the loads on the pipe. This would include when applicable; Earth Load + Surcharge Load + Live Load + Fluid Load.

Note: Since the internal fluid load for a pipe is constant regardless of fill height it is not listed in the table. When the user chooses to consider fluid load, it is written below the table and included in the total load.

Bedding Factor

DL – The dead load bedding factor applied to the pipe at that depth. The higher the bedding factor, the greater the support that is given to the pipe by the surrounding soil. This factor is divided by the Total Load for the B, C, and D beddings only.

LL – The live load bedding factor applied to the pipe at that depth. The live load bedding factor accounts for concentrated loads resulting from live loads over pipe with shallow cover. For the Type 1, 2, 3, 4 and Jacking Installations the Live Load is divided by the lower of this value or the DL value, and all other loads are summed up and divided by the DL value.

Required D-Load 0.3mm (0.01 in) – The load the pipe is required to support in the three-edge bearing test with a crack equal to or less than 0.3 mm (0.01 in) which equates to the maximum stress induced on the pipe in the installed condition. The load is given in kN (lbs) per m (ft) length of pipe per mm (ft) of diameter (or span for noncircular pipe).

Required TEB-Load Ultimate – The load that the pipe is required to be able to support in the three-edge bearing test prior to failure. The load is given in kN (lbs) per m (ft) length of pipe.

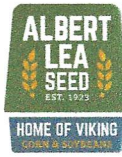
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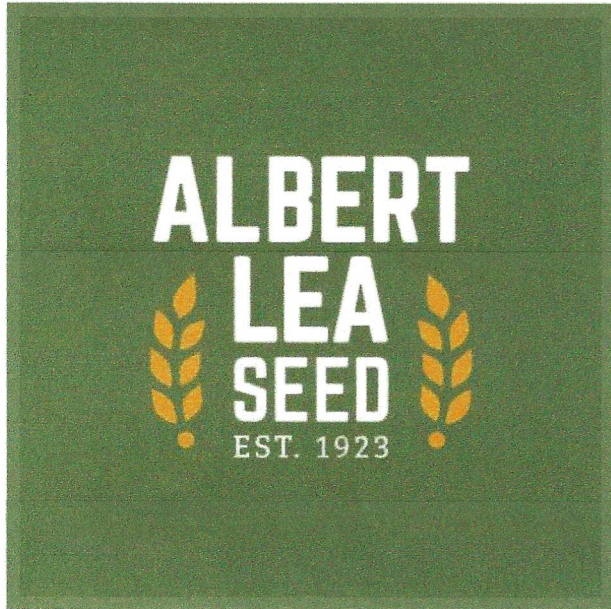
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SALES & INFORMATION: (800) 352-5247

PRODUCT OVERVIEW

[DESCRIPTION](#)



SUPER GRAZING MIX

[View Mixture Components](#)

A high quality, long lasting pasture mix including grazing clover, chicory and birdsfoot trefoil. Diverse mix increases production during hot summer months for a healthier, more resilient pasture.

Best Use: Long-term pasture.

Adaptation: Well suited for most soil types and all livestock.

Planting Date: April – May, August 1 – 25

Seeding: 25-30 lbs/acre. Drill or broadcast and roll. Plant ¼ in. to ½ in. deep.

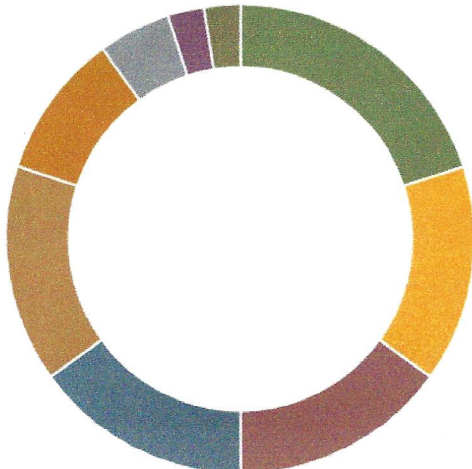
Purchase Options

Choose an option

1 QTY

ADD TO ORDER

MIX COMPONENTS



COMPONENTS:

20% [BG-24T Perennial Ryegrass](#)

15% [Pardus Meadow Fescue](#)

15% [Fleet Meadow Brome](#)

15% [Ginger Kentucky Bluegrass](#)

15% [Spring Green Festulolium](#)

10% [Barolex Tall Fescue](#)

5% [Birdsfoot Trefoil](#)

2.5% [Chicory VNS](#)

2.5% [Alice Grazing White Clover](#)

DD 56 BASE BID

Item No.	Description	Estimated Quantity	Unit	Unit Price	Extended Price
1* **	48" Ø RCP Tile (Class IV)	3,534	LF	\$193.50	\$683,829.00
2*	48" Ø CMP Tile Outlet	40	LF	\$196.00	\$7,840.00
3*	72" Junction Structure	2	EA	\$7,790.00	\$15,580.00
4* **	Concrete Collar or Factory Fitting	3	EA	\$350.00	\$1,050.00
5* **	Private Tile Connection (up to 20' of tile each)	10	EA	\$535.00	\$5,350.00
6*	12" Ø Hickenbottom Intake	0	EA	\$1,500.00	\$0.00
7*	Rip-Rap	50	TN	\$41.00	\$2,050.00
8*	Tile Removal	30	LF	\$11.00	\$330.00
9*	Fences	1	LS	\$1,300.00	\$1,300.00
10*	Road Ditch Grading	2	STA	\$725.00	\$1,450.00
11*	Outlet Shaping	1	LS	\$725.00	\$725.00
12*	Dewatering	1	LS	\$22,000.00	\$22,000.00
13*	Exploratory Excavation	2	HR	\$585.00	\$1,170.00
14*	Bonding	0	LS	\$8,000.00	\$0.00
15**	Seeding	1	LS	\$7,000.00	\$7,000.00
16	Seeding Warranty	1	LS	\$1,000.00	\$1,000.00
17*	36" Ø SW-512 Concrete Intake w/ Type 5 Casting	1	EA	\$2,550.00	\$2,550.00
18*	24" Ø RCP Tile	100	LF	\$95.00	\$9,500.00
19**	48" Ø RCP Tile (Class III)	1,100	LF	\$187.50	\$206,250.00
20**	9" Straw Waddle (installation and removal)	600	LF	\$6.00	\$3,600.00
REVISED DD 56 BASE BID TOTAL (BID ITEMS 1 THROUGH 20)					\$972,574.00

DD 56 ADD ALTERNATE BID

Item No.	Description	Estimated Quantity	Unit	Unit Price	Extended Price
2ADD*	CCTV Inspection of Tile	0	LF	\$5.00	\$0.00
3ADD*	Trench Compaction	0	STA	\$500.00	\$0.00
4ADD*	Mandrel and CCTV Access Point	4	EA	\$6,375.00	\$25,500.00
5ADD*	Additional 2' of Installation Depth	4,674	LF	\$1.10	\$5,141.40
REVISED DD 56 ADD ALTERNATE TOTAL (BID ITEMS 1DD THROUGH 5ADD)					\$30,641.40

TOTAL REVISED CONTRACT \$1,003,215.40

* - Approved as part of Change Order #1

** - Approved as part of Change Order #2



502 Main Street – P.O. Box 130, Union, IA 50258-0130
Phone: 641-486-2211 or 800-806-4482
Fax: 641-486-2205

March 16, 2022

Drainage District Trustees
1215 Edgington Ave
Eldora, IA 50627

Re: Fees

Dear Drainage District Trustees,

Heart of Iowa has been constructing fiber optics to provide broadband capabilities for the benefit of the residents of Hardin County following your inspection process since 2018. To date, we have paid \$12,204.00 in inspection fees on approximately 12 crossings. The current permitting process for our 2022 broadband project requires a prepaid inspection fee of \$2,000 per crossing. Given our past construction performance and timely payments, I am requesting the prepayment be waived and pay the cost of each crossing as we had in the past.

Sincerely,

A handwritten signature in black ink, appearing to read "Jay Duncan", written over a horizontal line.

Jay Duncan
Plant Manager

Enclosures

Hardin County Drainage District Fiber optic build additional expense

Vendor	Invoice Number	Date	DD	Amount
CGA	37189	5/10/2018	23	\$ 633.10
CGA	38277	10/31/2018	48	\$ 933.60
CGA	42723	11/30/2020	78	\$ 1,029.95
CGA	42732	11/30/2020	8	\$ 878.85
CGA	42724	11/30/2020	1	\$ 1,323.45
CGA	42726	11/30/2020	62	\$ 914.85
CGA	42722	11/30/2020	8	\$ 892.60
CGA	42725	11/30/2020	44	\$ 810.45
CGA	42781	12/28/2020	94	\$ 1,515.80
CGA	42783	12/28/2020	93	\$ 1,467.45
CGA	42782	12/28/2020	128	\$ 683.15
CGA	44134	8/31/2021	63	\$ <u>1,120.75</u>
				\$ 12,204.00



Clapsaddle-Garber Associates
 PO Box 754
 Marshalltown, IA 50158-0754
 641-752-6701

Heart of Iowa Communications
 502 Main St
 PO Box 130
 Union, IA 50258

Invoice number 37189
 Date 05/10/2018

Project DD-6784 Drainage District #23-Hardin Co.

For Professional Services to 05/09/2018

Work to date for Observation of Utility Crossing for DD#23

DD-6784 Observation

Professional Fees

	Hours	Rate	Billed Amount
Senior Licensed Engineer	1.60	110.00	176.00
Survey-GPS-One Man	0.50	80.00	40.00
Senior Construction Observer	1.50	65.00	97.50
Senior Administration Assistant	0.30	60.00	18.00
Engineer In Training	3.70	70.00	259.00
Senior Clerical	0.50	60.00	30.00

Expenses

	Units	Rate	Billed Amount
Light Duty Truck Mileage	21.00	0.60	12.60

Phase subtotal 633.10

Invoice total **633.10**

2017-33

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
37189	05/10/2018	633.10	633.10				
	Total	633.10	633.10	0.00	0.00	0.00	0.00

All invoices are due upon receipt. A late charge of 1.5% per month will be added to any unpaid balance after 30 days.

CGA gladly accepts payment by Visa and/or Mastercard without charge if paid within 10 days of the date of the invoice. A 2.5% convenience fee shall be added to the total invoiced amount if payment is made by credit card after 10 days of the date of the invoice.



Clapsaddle-Garber Associates
 PO Box 754
 Marshalltown, IA 50158-0754
 641-752-6701

Heart of Iowa Communications
 502 Main St
 PO Box 130
 Union, IA 50258

Invoice number 38277
 Date 10/31/2018
 Project DD-6486 Drainage District #48 Hardin Co.

For Professional Services to 10/31/2018

DD-6486.2

Work to date for Observation of Utility Crossing for DD#48

Description	Lump Sum:
DD-6486.2 Utility Observation	933.60
Total	933.60

Invoice total 933.60

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
38277	10/31/2018	933.60	933.60				
	Total	933.60	933.60	0.00	0.00	0.00	0.00

All invoices are due upon receipt. A late charge of 1.5% per month will be added to any unpaid balance after 30 days.

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Heart of Iowa Communications
 502 Main St
 PO Box 130
 Union, IA 50258

Invoice number 42723
 Date 11/30/2020

Project **DD-6688 Drainage District #78-Hardin Co.**

For Professional Services to 11/30/2020

Utility Observation for installation of fiber optic cable located in DD#78 in Hardin Co. (Permit #2020-12)

DD-6688.4 Utility

Professional Fees

	Hours	Rate	Billed Amount
Construction Technician	5.30	59.00	312.70
Senior Administration Assistant	0.30	60.00	18.00
	0.80	66.00	52.80
Subtotal	1.10		70.80
Senior Project Manager	1.30	140.00	182.00
Senior Design Engineer	4.30	92.00	395.60
Expenses			
	Units	Rate	Billed Amount
Light Duty Truck Mileage	29.00	0.65	18.85
GPS Equipment	2.00	25.00	50.00
Phase subtotal			1,029.95

Invoice total **1,029.95**

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
42723	11/30/2020	1,029.95	1,029.95				
	Total	1,029.95	1,029.95	0.00	0.00	0.00	0.00

All invoices are due upon receipt. A late charge of 1.5% per month will be added to any unpaid balance after 30 days.

CGA gladly accepts payment by Visa and/or Mastercard without charge if paid within 10 days of the date of the invoice. A 2.5% convenience fee shall be added to the total invoiced amount if payment is made by credit card after 10 days of the date of the invoice.



Clapsaddle-Garber Associates
 PO Box 754
 Marshalltown, IA 50158-0754
 641-752-6701

11/2020-02
ELC

Heart of Iowa Communications
 502 Main St
 PO Box 130
 Union, IA 50258

Invoice number 42732
 Date 11/30/2020

Project **DD-6666 Drainage District #8-Hardin Co.**

For Professional Services to 11/30/2020

Utility Observation for installation of fiber optic cable located in DD#8 Main Hardin Co. (Permit #2020-12)

DD-6666.5 Utility
 Professional Fees

	Hours	Rate	Billed Amount
Construction Technician	3.10	59.00	182.90
Senior Administration Assistant	0.80	66.00	52.80
Senior Project Manager	1.30	140.00	182.00
Senior Design Engineer	4.40	92.00	404.80
Expenses			
	Units	Rate	Billed Amount
Light Duty Truck Mileage	29.00	0.65	18.85
GPS Equipment	1.50	25.00	37.50
Phase subtotal			878.85

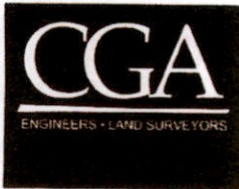
Invoice total **878.85**

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
42732	11/30/2020	878.85	878.85				
	Total	878.85	878.85	0.00	0.00	0.00	0.00

All invoices are due upon receipt. A late charge of 1.5% per month will be added to any unpaid balance after 30 days.

CGA gladly accepts payment by Visa and/or Mastercard without charge if paid within 10 days of the date of the invoice. A 2.5% convenience fee shall be added to the total invoiced amount if payment is made by credit card after 10 days of the date of the invoice.



Clapsaddle-Garber Associates
 PO Box 754
 Marshalltown, IA 50158-0754
 641-752-6701

7 2020-02

Elden

Heart of Iowa Communications
 502 Main St
 PO Box 130
 Union, IA 50258

Invoice number 42724
 Date 11/30/2020

Project **DD-6749 Drainage District #1-Hardin Co.**

For Professional Services to 11/30/2020

Utility Observation for installation of fiber optic cable located in DD#1 in Hardin Co. (Permit #2020-12)

DD-6749.6 Utility

Professional Fees

	Hours	Rate	Billed Amount
Construction Technician	7.90	59.00	466.10
Senior Administration Assistant	0.80	66.00	52.80
Senior Project Manager	2.30	140.00	322.00
Senior Design Engineer	3.60	92.00	331.20

Expenses

	Units	Rate	Billed Amount
Light Duty Truck Mileage	79.00	0.65	51.35
GPS Equipment	4.00	25.00	100.00
Phase subtotal			1,323.45

Invoice total **1,323.45**

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
42724	11/30/2020	1,323.45	1,323.45				
	Total	1,323.45	1,323.45	0.00	0.00	0.00	0.00

All invoices are due upon receipt. A late charge of 1.5% per month will be added to any unpaid balance after 30 days.

CGA gladly accepts payment by Visa and/or Mastercard without charge if paid within 10 days of the date of the invoice. A 2.5% convenience fee shall be added to the total invoiced amount if payment is made by credit card after 10 days of the date of the invoice.



Clapsaddle-Garber Associates
 PO Box 754
 Marshalltown, IA 50158-0754
 641-752-6701

9020-02
 Eldon

Heart of Iowa Communications
 502 Main St
 PO Box 130
 Union, IA 50258

Invoice number 42726
 Date 11/30/2020

Project **DD-6867 Drainage District #62 Hardin Co.**

For Professional Services to 11/30/2020

Utility Observation for installation of fiber optic cable located in DD#62 in Hardin Co. (Permit #2020-12)

DD-6867.3 Utility

Professional Fees

	Hours	Rate	Billed Amount
Construction Technician	3.80	59.00	224.20
Senior Administration Assistant	0.80	66.00	52.80
Senior Project Manager	1.60	140.00	224.00
Senior Design Engineer	3.60	92.00	331.20
Expenses			
	Units	Rate	Billed Amount
Light Duty Truck Mileage	31.00	0.65	20.15
GPS Equipment	2.50	25.00	62.50
Phase subtotal			914.85

Invoice total **914.85**

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
42726	11/30/2020	914.85	914.85				
	Total	914.85	914.85	0.00	0.00	0.00	0.00

All invoices are due upon receipt. A late charge of 1.5% per month will be added to any unpaid balance after 30 days.

CGA gladly accepts payment by Visa and/or Mastercard without charge if paid within 10 days of the date of the invoice. A 2.5% convenience fee shall be added to the total invoiced amount if payment is made by credit card after 10 days of the date of the invoice.



Clapsaddle-Garber Associates
 PO Box 754
 Marshalltown, IA 50158-0754
 641-752-6701

Heart of Iowa Communications
 502 Main St
 PO Box 130
 Union, IA 50258

Invoice number 42722
 Date 11/30/2020

Project DD-6666 Drainage District #8-Hardin Co.

11/30/20
Eldon

For Professional Services to 11/30/2020

Utility Observation for installation of fiber optic cable located in DD#8 Sub 2 in Hardin Co. (Permit #2020-12)

DD-6666.4 Utility
 Professional Fees

	Hours	Rate	Billed Amount
Construction Technician	3.50	59.00	206.50
Senior Administration Assistant	0.80	66.00	52.80
Senior Project Manager	1.30	140.00	182.00
Senior Design Engineer	4.30	92.00	395.60
Expenses			
	Units	Rate	Billed Amount
Light Duty Truck Mileage	28.00	0.65	18.20
GPS Equipment	1.50	25.00	37.50
Phase subtotal			892.60

Invoice total **892.60**

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
42722	11/30/2020	892.60	892.60				
	Total	892.60	892.60	0.00	0.00	0.00	0.00

All invoices are due upon receipt. A late charge of 1.5% per month will be added to any unpaid balance after 30 days.

CGA gladly accepts payment by Visa and/or Mastercard without charge if paid within 10 days of the date of the invoice. A 2.5% convenience fee shall be added to the total invoiced amount if payment is made by credit card after 10 days of the date of the invoice.



Clapsaddle-Garber Associates
 PO Box 754
 Marshalltown, IA 50158-0754
 641-752-6701

2020-02
Elmer

Heart of Iowa Communications
 502 Main St
 PO Box 130
 Union, IA 50258

Invoice number 42725
 Date 11/30/2020

Project **DD-6772 Drainage District #44 Hardin Co.**

For Professional Services to 11/30/2020

Utility Observation for installation of fiber optic cable located in DD#44 in Hardin Co. (Permit #2020-12)

DD-6772.1 Utility

Professional Fees

	Hours	Rate	Billed Amount
Construction Technician	2.20	59.00	129.80
Senior Administration Assistant	0.80	66.00	52.80
Senior Project Manager	1.80	140.00	252.00
Senior Design Engineer	3.60	92.00	331.20
Expenses			
	Units	Rate	Billed Amount
Light Duty Truck Mileage	11.00	0.65	7.15
GPS Equipment	1.50	25.00	37.50
Phase subtotal			810.45

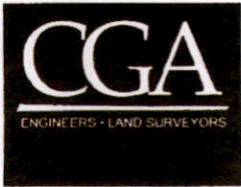
Invoice total **810.45**

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
42725	11/30/2020	810.45	810.45				
	Total	810.45	810.45	0.00	0.00	0.00	0.00

All invoices are due upon receipt. A late charge of 1.5% per month will be added to any unpaid balance after 30 days.

CGA gladly accepts payment by Visa and/or Mastercard without charge if paid within 10 days of the date of the invoice. A 2.5% convenience fee shall be added to the total invoiced amount if payment is made by credit card after 10 days of the date of the invoice.



Clapsaddle-Garber Associates
 PO Box 754
 Marshalltown, IA 50158-0754
 641-752-6701

9/12/28/2020

SR FTTH

Heart of Iowa Communications
 502 Main St
 PO Box 130
 Union, IA 50258

Invoice number 42781
 Date 12/28/2020
 Project DD-6825 Drainage District #94-Hardin Co.

For Professional Services to 12/26/2020

Utility Observation for installation of fiber optic cable located in DD#94 in Hardin Co. (Permit#2020-12)

6825 Utility Observation

Professional Fees

	Hours	Rate	Billed Amount
Construction Technician	6.50	59.00	383.50
Senior Administration Assistant	1.00	66.00	66.00
Lead Surveyor	2.50	77.00	192.50
Senior Design Engineer	4.20	92.00	386.40
Principal	2.30	156.00	358.80
Expenses			
	Units	Rate	Billed Amount
Light Duty Truck Mileage	44.00	0.65	28.60
GPS Equipment	4.00	25.00	100.00
Phase subtotal			1,515.80

Invoice total **1,515.80**

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
42781	12/28/2020	1,515.80	1,515.80				
	Total	1,515.80	1,515.80	0.00	0.00	0.00	0.00

All invoices are due upon receipt. A late charge of 1.5% per month will be added to any unpaid balance after 30 days.

CGA gladly accepts payment by Visa and/or Mastercard without charge if paid within 10 days of the date of the invoice. A 2.5% convenience fee shall be added to the total invoiced amount if payment is made by credit card after 10 days of the date of the invoice.



Clapsaddle-Garber Associates
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 Marshalltown, IA 50158-0754
 641-752-6701

SR
 FTTH
 12/28/2020

Heart of Iowa Communications
 502 Main St
 PO Box 130
 Union, IA 50258

Invoice number 42783
 Date 12/28/2020

Project **DD-6824 Drainage District #93-Hardin Co.**

For Professional Services to 12/26/2020

Utility Observation for installation of fiber optic cable located in DD#93 in Hardin Co.(Permit#2020-12)

DD-6824.1 Utility

Professional Fees

	Hours	Rate	Billed Amount
Construction Technician	6.50	59.00	383.50
Senior Administration Assistant	1.00	66.00	66.00
Lead Surveyor	2.00	77.00	154.00
Senior Design Engineer	4.10	92.00	377.20
Principal	2.30	156.00	358.80
Expenses			
	Units	Rate	Billed Amount
Light Duty Truck Mileage	43.00	0.65	27.95
GPS Equipment	4.00	25.00	100.00
Phase subtotal			1,467.45

Invoice total **1,467.45**

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
42783	12/28/2020	1,467.45	1,467.45				
	Total	1,467.45	1,467.45	0.00	0.00	0.00	0.00

All invoices are due upon receipt. A late charge of 1.5% per month will be added to any unpaid balance after 30 days.

CGA gladly accepts payment by Visa and/or Mastercard without charge if paid within 10 days of the date of the invoice. A 2.5% convenience fee shall be added to the total invoiced amount if payment is made by credit card after 10 days of the date of the invoice.



Clapsaddle-Garber Associates
 PO Box 754
 Marshalltown, IA 50158-0754
 641-752-6701

91 12/28/2020

Heart of Iowa Communications
 502 Main St
 PO Box 130
 Union, IA 50258

Invoice number 42782
 Date 12/28/2020

Eldon FTT

Project **DD-6935 Drainage District #128-Hardin Co.**

For Professional Services to 12/26/2020

Utility Observation for installation of fiber optic cable located in DD#128 in Hardin Co. (Permit #2020-12)

DD-6935.5 Utility

Professional Fees

	Hours	Rate	Billed Amount
Construction Technician	2.30	59.00	135.70
Senior Administration Assistant	1.30	66.00	85.80
Senior Design Engineer	1.00	92.00	92.00
Principal	2.00	156.00	312.00

Expenses

	Units	Rate	Billed Amount
Light Duty Truck Mileage	31.00	0.65	20.15
GPS Equipment	1.50	25.00	37.50
Phase subtotal			683.15

Invoice total **683.15**

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
42782	12/28/2020	683.15	683.15				
	Total	683.15	683.15	0.00	0.00	0.00	0.00

All invoices are due upon receipt. A late charge of 1.5% per month will be added to any unpaid balance after 30 days.

CGA gladly accepts payment by Visa and/or Mastercard without charge if paid within 10 days of the date of the invoice. A 2.5% convenience fee shall be added to the total invoiced amount if payment is made by credit card after 10 days of the date of the invoice.



Clapsaddle-Garber Associates
 PO Box 754
 Marshalltown, IA 50158-0754
 641-752-6701

Heart of Iowa Communications
 502 Main St
 PO Box 130
 Union, IA 50258

Invoice number 44134
 Date 08/31/2021

Project DD-6922 Drainage District #63-Hardin Co.

For Professional Services to 08/31/2021

Utility Observation for installation of fiber optic cable located in DD#63 in Hardin Co.

Professional Fees

	Hours	Rate	Billed Amount
Construction Technician	1.30	59.00	76.70
	3.00	61.00	183.00
Subtotal	4.30		259.70
Senior Administration Assistant	0.50	66.00	33.00
	0.50	68.00	34.00
Subtotal	1.00		67.00
Senior Design Engineer	3.30	96.00	316.80
Principal	1.10	156.00	171.60
	1.50	161.00	241.50
Subtotal	2.60		413.10
Professional Fees subtotal	11.20		1,056.60

Expenses

	Units	Rate	Billed Amount
Light Duty Truck Mileage	41.00	0.65	26.65
GPS Equipment	1.50	25.00	37.50
Expenses subtotal			64.15

Invoice total **1,120.75**

Aging Summary

Invoice Number	Invoice Date	Outstanding	Current	Over 30	Over 60	Over 90	Over 120
44134	08/31/2021	1,120.75	1,120.75				
	Total	1,120.75	1,120.75	0.00	0.00	0.00	0.00



HARDIN COUNTY

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

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



HARDIN COUNTY

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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 as 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



HARDIN COUNTY

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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.



HARDIN COUNTY

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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.



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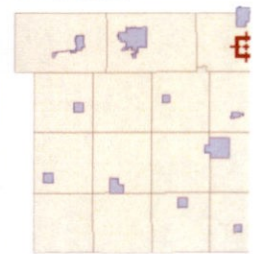
SECTION III – HAZARDOUS LIQUID PIPELINE / PRESSURIZED PIPELINE REQUIREMENTS

26. This Section shall apply to applicants related to the installation of hazardous liquid pipelines / pressurized pipelines (collectively referred to herein as "Pipelines").
27. Section I above shall also apply, but to the extent the requirements of Section III herein are incompatible with those in Section I herein, those in Section III shall apply.
28. 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.
29. 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 the Pipeline's construction and land restoration to review tile conditions.
 - B. Applicant shall use GPS to map 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 any above-ground Pipeline facility 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. Applicant shall use the District engineer and local contractors approved by the District for all work pertaining to tile televising/inspection, repair and replacement of District facilities. The District shall maintain a current price list for local contractors' services and rates and shall be provided at the applicant's request.
 - F. Any time Pipeline undergoes changes, modifications, repairs, or any service to Pipeline that requires use of vehicles and equipment with a gross weight of 8,000 lbs. or greater, the District facilities near 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.
 - G. 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 Pipeline.
 - H. 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.
30. The term "applicant" shall mean the permit applicant, the applicant's agents, heirs, successors, assigns, and facility owners.
31. The requirements above are in addition to the requirements set forth in Iowa Administrative Code 199 Chapter 9, including the creation / filing of a land restoration plan.

Beacon™ Hardin County, IA



Overview



Legend

- Corporate Limits
- Political Township
- Drainage Tiles

Date created: 3/14/2022
Last Data Uploaded: 3/11/2022 10:29:27 PM



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121/8	BDO8A	BFO 24	2175	3 3	2(5/8)(8) 1	1 7	
121/8					53 2		
121/8					60(1.25)DP 200		
121/8					60(1.25)DP 200		

As Staked	
Heart Of Iowa Communications	
Name:	SR East 22
WO:	V2022-05
Exch:	Ackley
State:	Iowa
County:	Hardin
Twsp:	89N Range: 19W
Section:	26 Route: SRE
Sheet	22 of 36



DD 119 LAT 1C

County Highway S56

County Highway S56

140th St

CA15110

DD 119 LAT 1

Units

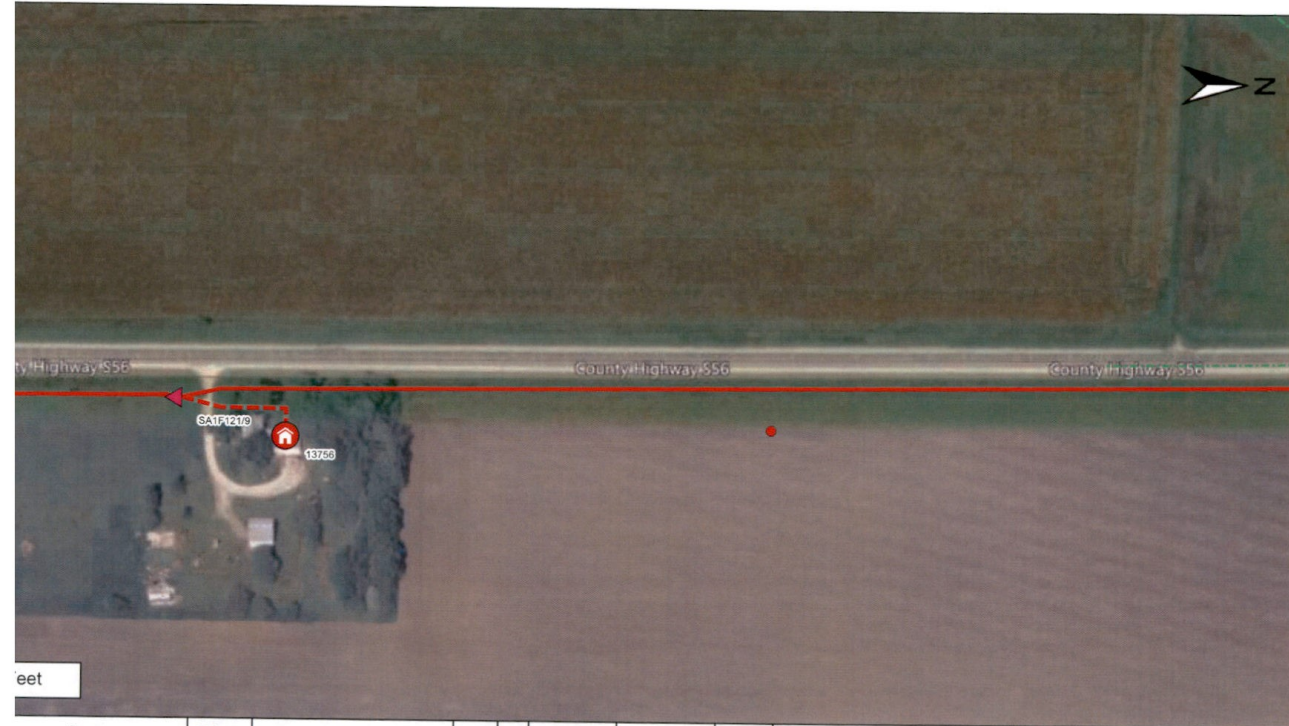
Feet

Remarks

As Staked

Head Of Iowa Communications
 Name: SR East 23
 WO: Y2022-05
 Exch: Ackley
 State: Iowa
 County: Hardin
 Twp: 89N Range: 19W
 Section: 26 Route: SRE

Sheet	23	of	36
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Sheet

To	PType	Units	Feet	BA	BM	HO	NID	Remarks
County Highway S56		SEBF 4	185		2(5/8)(8)	1 1 1	(6)	
County Highway S56					83	1		
SA1F121/9	BDO8A	BFO 4	1476	3 2	2(5/8)(8)	1 1 1		
SA1F121/9					53	1		

As Staked

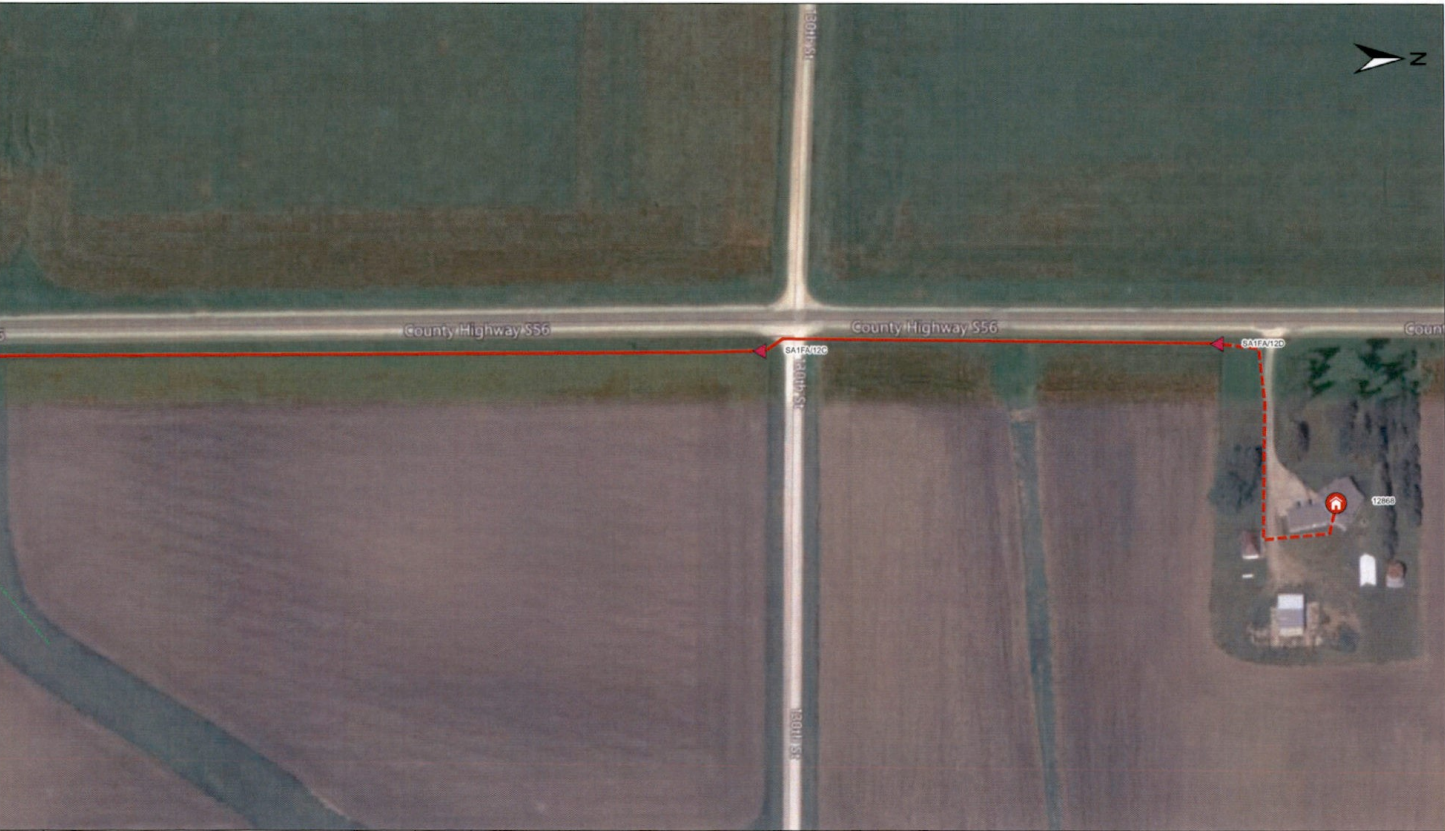
Heart Of Iowa Communications

Name: SR East 34
 WO: V2022-05
 Exch: Ackley
 State: Iowa
 County: Hardin
 Twsp: 89N Range: 19W
 Section: 23 Route: SRE



To	PType	Units	Feet	BA	BM	HO	NID	Remarks
2 County Highway S56		SEBF 4	857		2(5/8)(8)	1	1	(6)
2 County Highway S56					83	1		
2 County Highway S56					V(1)(1)	70		
SA1FA/12B	BDO8A	BFO 12	2419	3	3	2(5/8)(8)	1	1
SA1FA/12B					53	2		

As Staked	
Heart Of Iowa Communications	
Name:	SR East 35
WO:	V2022-05
Exch:	Ackley
State:	Iowa
County:	Hardin
Twsp:	89N Range: 19W
Section:	23 Route: SRE
Sheet	35 of 36



Code	Units	Feet	BA		BM		HO		NID	Remarks
	SEBF 4	482			2(5/8)(8)	1	1	1	(6)	
					83	1				
8A	BFO 12	1574	3	2	2(5/8)(8)	1				
					53	1				
					V(1)(1)	80				
					V(1)(1)	80				
8A	BFO 12	681			2(5/8)(8)	1	1	1		
					83	1	1	2		

As Staked
 Heart Of Iowa Communications
 Name: SR East 36
 WO: V2022-05
 Exch: Ackley
 State: Iowa
 County: Hardin
 Twsp: 88N Range: 19W
 Section: 13 Route: SRE
 Staked By: NB Date: _____


Sheet 36 of 36

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

HARDIN COUNTY DRAINAGE DISTRICT UTILITY PERMIT APPLICATION

Applicant: Heart of Iowa Ventures, LLC
Company Name
502 Main Street, PO Box 130
Address
Union IA 50258-0130
City IA State 50258-0130 Zip
Applicant Contact: Jay Duncan (641) 486 - 2211
Name Phone
jduncan@heartofiowa.coop
Email
Utility Type: Fiber
Drainage District(s) Crossed: 136
Facilities Crossed (specific tile, open ditch): LAT Main, 1-8
Description of Work: __Fiber install
(Location plan of proposed utility must be attached.)

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.


Applicant Signature

3/14/22
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



HARDIN COUNTY

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ELDORA, IA 50627
(641) 939-8108

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



HARDIN COUNTY

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

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 as 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



HARDIN COUNTY

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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.



HARDIN COUNTY

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(641) 939-8108

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.



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(641) 939-8108

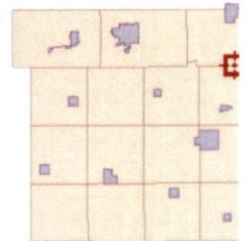
SECTION III – HAZARDOUS LIQUID PIPELINE / PRESSURIZED PIPELINE REQUIREMENTS

26. This Section shall apply to applicants related to the installation of hazardous liquid pipelines / pressurized pipelines (collectively referred to herein as "Pipelines").
27. Section I above shall also apply, but to the extent the requirements of Section III herein are incompatible with those in Section I herein, those in Section III shall apply.
28. 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.
29. 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 the Pipeline's construction and land restoration to review tile conditions.
 - B. Applicant shall use GPS to map 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 any above-ground Pipeline facility 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. Applicant shall use the District engineer and local contractors approved by the District for all work pertaining to tile televising/inspection, repair and replacement of District facilities. The District shall maintain a current price list for local contractors' services and rates and shall be provided at the applicant's request.
 - F. Any time Pipeline undergoes changes, modifications, repairs, or any service to Pipeline that requires use of vehicles and equipment with a gross weight of 8,000 lbs. or greater, the District facilities near 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.
 - G. 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 Pipeline.
 - H. 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.
30. The term "applicant" shall mean the permit applicant, the applicant's agents, heirs, successors, assigns, and facility owners.
31. The requirements above are in addition to the requirements set forth in Iowa Administrative Code 199 Chapter 9, including the creation / filing of a land restoration plan.

Beacon™ Hardin County, IA



Overview



Legend

- Corporate Limits
- Political Township
- Drainage Tiles

Date created: 3/14/2022
Last Data Uploaded: 3/11/2022 10:29:27 PM

Developed by  Schneider
GEOSPATIAL



type	Units	Feet	BA	BM	HO	NID	XZ	Remarks
	SEBF 4	160		2(5/8) (8)	1	1	(6)	
				83	1			
	SEBF 4	89		2(5/8) (8)	1	1	2 (6)	
				83	1			
	SEBF 4	67		2(5/8) (8)	1	1	1 (6)	
				83	1			
	BFO 12I	999					** 1	
w48x36)	SEBF 4	434	3 1	2(5/8) (8)	1			
				53	1			

As Staked
 Heart Of Iowa Communications
 Name: SR EAST CLEEVES-2
 WO: Y2022-05
 Exch: Ackley
 State: Iowa
 County: Hardin
 Twsp: 89N Range: 19W
 Section: 36 Route: SA1F1
 Staked By: R/JW Date: 1/25/2022

Sheet 1 of 1

pe	Units	Feet	BA		BM		HO		NID	XZ		Remarks
48x36)	BFO 12	620	3	1	2(5/8)(8)	1						
					53	1						
18A	BFO 12	470	3	1	2(5/8)(8)	1	1	2				
					53	1						
	SEBF 4	695			2(5/8)(8)	1	1	1	(6)			
					83	1						
					V(1)(1)	485						

As Staked
Heart Of Iowa Communications

Name: SR EAST CLEVES-2
 WO: Y2022-01
 Exch: Acklay
 State: Iowa
 County: Hardin
 Twp: 89N Range: 19W
 Section: 36 Route: S&E1

Staked By: R.W Date: 1/25/2022

Sheet	1A	of	1
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In Account With

HARDIN COUNTY AUDITOR

DENTONS DAVIS BROWN PC

Attorneys and Counselors at Law
 215 10th Street, Suite 1300
 Des Moines, IA 50309-3993
 (515) 288-2500
 Federal I.D. No. 42-1343884

Hardin County Auditor's Office
 Denise Smith
 Hardin County Auditor's Office
 1215 Edgington Avenue, Suite 1
 Eldora, IA 50627

Statement: 1499796
 Date: 3/16/2022

Re: 9007551-143931 - Utility Permit Process

For Professional Services Rendered

Professional Fees

		Hours	Amount
02/22/2022	MRIC Discussion with Lee, Drainage District Engineer, about unique permitting needs for hazardous pipelines.	0.40	110.00
02/22/2022	MRIC Make revisions to current permit based on Lee's observations and guidance on unique issues with hazardous pipelines.	0.50	137.50
			Sub-total Fees: \$247.50

Rate Summary

Michael C. Richards	0.90 hours at \$275.00/hr	247.50
Total hours:	0.90	

Total Current Billing: \$247.50

Effective March 29, 2021, Davis Brown Law Firm formally combined with Dentons to become Dentons Davis Brown PC. Visit www.dentons.com/BusinessTerms to find our Terms of Business, which will apply to our relationship to the extent that it is not inconsistent with the material terms and conditions of any existing engagement agreement. Please contact your lawyer or other professional if you have questions about the Terms of Business or with any respect of your representation.

Current statement due within 30 days of statement date. Please disregard any previously paid amounts. Contact us at 515-246-7812 with any questions. Please include the statement number on your check.

When you provide a check as payment, you authorize us either to use information from your check to make a one-time electronic fund transfer from your account or process the payment as a check transaction. When we use information from your check to make an electronic fund transfer, funds may be withdrawn from your account as soon as the same day we receive your payment, and you will not receive your check back from your financial institution.



Drainage Work Order Request For Repair

Hardin County

Date: 3/18/2022

Work Order #: WO00000326

Drainage District: DDs\Big 4 Main (51193)

Sec-Twp-Rge: 33-89-22 **Qtr Sec:** _____

Location/GIS: 89-22-33-300-002

Requested By: Mike Inks

Contact Phone: (641) 751-7365

Contact Email: _____

Landowner (if different): _____

Description: DD Big 4 -- Mike Inks reports a Beaver dam nearing completion on parcel #892233300002. Dam is roughly 600 yards North of HWY D25 Bridge. There is a lot of beaver activity in area.

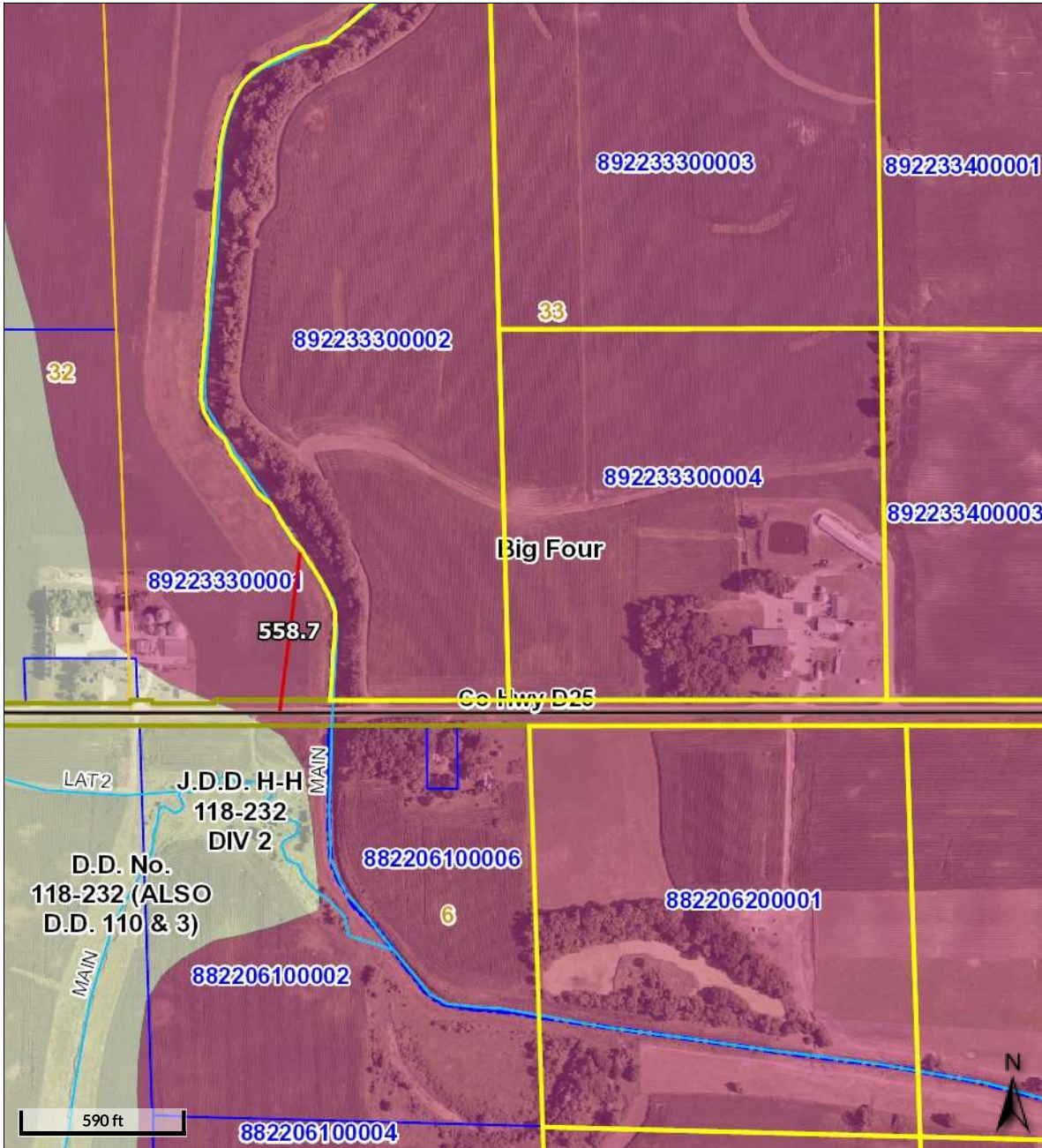
Repair labor, materials and equipment _____

Repaired By: _____ **Date:** _____

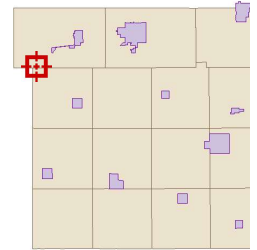
Please reference work order # and send statement for services to: Hardin County Auditor's Office
Attn: Drainage Clerk
1215 Edgington Ave, Suite 1
Eldora, IA 50627
Phone (641) 939-8111
Fax (641) 939-8245

For Office Use Only

Approved: _____ **Date:** _____



Overview



































Legend

-  Corporate Limits
-  Political Township
-  Sections
- Roads**
-  Federal Highway
-  State Highway
-  Road ROW
-  Railroad ROW
-  Water
-  Parcels
-  Drainage Tiles
- Drainage Districts**
-  <all other values>
-  Big Four
-  D.D. No. 1
-  D.D. No. 10
-  D.D. No. 100
-  D.D. No. 101
-  D.D. No. 102
-  D.D. No. 103
-  D.D. No. 106
-  D.D. No. 108
-  D.D. No. 109
-  D.D. No. 111
-  D.D. No. 110
-  D.D. No. 111
-  D.D. No. 113
-  D.D. No. 114 Ex. of :
-  D.D. No. 116
-  D.D. No. 118-232
-  D.D. No. 119
-  D.D. No. 12
-  D.D. No. 120
-  D.D. No. 121
-  D.D. No. 122
-  D.D. No. 123
-  D.D. No. 124
-  D.D. No. 125

- D.D. No. 125
- D.D. No. 127
- D.D. No. 128
- D.D. No. 129
- D.D. No. 13
- D.D. No. 130
- D.D. No. 130 EXT 1
- D.D. No. 131
- D.D. No. 133
- D.D. No. 134
- D.D. No. 135
- D.D. No. 136
- D.D. No. 138
- D.D. No. 139
- D.D. No. 14
- D.D. No. 140
- D.D. No. 142
- D.D. No. 143
- D.D. No. 144
- D.D. No. 146
- D.D. No. 147
- D.D. No. 148
- D.D. No. 149
- D.D. No. 15
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- D.D. No. 16
- D.D. No. 160
- D.D. No. 161
- D.D. No. 162
- D.D. No. 165
- D.D. No. 166
- D.D. No. 167
- D.D. No. 168
- D.D. No. 17
- D.D. No. 18
- D.D. No. 19
- D.D. No. 20
- D.D. No. 21
- D.D. No. 22
- D.D. No. 23
- D.D. No. 24
- D.D. No. 25
- D.D. No. 26
- D.D. No. 27

-  D.D. No. 28
-  D.D. No. 29
-  D.D. No. 3
-  D.D. No. 30
-  D.D. No. 31
-  D.D. No. 32
-  D.D. No. 34
-  D.D. No. 36
-  D.D. No. 37
-  D.D. No. 38
-  D.D. No. 39
-  D.D. No. 4
-  D.D. No. 40
-  D.D. No. 41
-  D.D. No. 42
-  D.D. No. 43
-  D.D. No. 44
-  D.D. No. 45
-  D.D. No. 46
-  D.D. No. 48
-  D.D. No. 49
-  D.D. No. 50
-  D.D. No. 51
-  D.D. No. 52
-  D.D. No. 54
-  D.D. No. 55: Div #1
-  D.D. No. 55: Div #2
-  D.D. No. 55: Div #3
-  D.D. No. 55: Div #3
Lat 10
-  D.D. No. 56
-  D.D. No. 6
-  D.D. No. 60
-  D.D. No. 61
-  D.D. No. 62
-  D.D. No. 63
-  D.D. No. 64
-  D.D. No. 65
-  D.D. No. 66
-  D.D. No. 67
-  D.D. No. 68
-  D.D. No. 69
-  D.D. No. 7
-  D.D. No. 7 Sub 1
-  D.D. No. 70
-  D.D. No. 72
-  D.D. No. 73
-  D.D. No. 74
-  D.D. No. 76
-  D.D. No. 77
-  D.D. No. 78

-  D.D. No. 79
-  D.D. No. 8
-  D.D. No. 80
-  D.D. No. 81
-  D.D. No. 82
-  D.D. No. 83
-  D.D. No. 85
-  D.D. No. 86
-  D.D. No. 88
-  D.D. No. 9
-  D.D. No. 91
-  D.D. No. 93
-  D.D. No. 94
-  D.D. No. 95
-  D.D. No. 98
-  D.D. No. 99
-  J.D.D. F-H 1
-  J.D.D. F-H 2
-  J.D.D. F-H 3-47
-  J.D.D. F-H 4-53
-  J.D.D. F-H 5-75
-  J.D.D. H-H 1-103
-  J.D.D. H-H 104-222
-  J.D.D. H-H 105-216
-  J.D.D. H-H 118-232
DIV 2
-  J.D.D. H-H 164-294
-  J.D.D. H-H 2-104
-  J.D.D. H-H 3-110
-  J.D.D. H-H 4-122
-  J.D.D. H-S 1-35
-  J.D.D. H-S 3-58
-  J.D.D. H-S 4-112

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