

AGENDA
REGULAR DRAINAGE MEETING
Wednesday, December 23, 2020 9:30 AM

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

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:

[12_16_20 - DRAINAGE MINUTES.PDF](#)

4. DD 42 WO 297 - Discuss W Possible Action - Contractor Update

Documents:

[DD 42 WO 297.PDF](#)
[DD 42 WO 297 MAP.PDF](#)

5. DD 128 - WO 2020-4 - Discuss W Possible Action - Utility Crossing Summary

Documents:

[2020-4 DD 128 ONLY - UTILITY CROSSING SUMMARY 12_11_20.PDF](#)

6. DD Big 4 Lat 2 - Discuss W Possible Action - Joint DD Work Order From Hamilton County

Documents:

[DD BIG 4 HAMILTON COUNTY WO - SLOUGH 12_21_20.PDF](#)

7. Other Business
8. Adjourn Meeting

REGULAR DRAINAGE MEETING
Wednesday, December 16, 2020 9:30 AM

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

12/16/2020 - Minutes

1. Open Meeting

Hardin County Drainage Chairperson Lance Granzow opened the meeting. Also present were Trustee BJ Hoffman; Trustee Renee McClellan; Jolene Pieters, Lee Gallentine of Clapsaddle-Garber Associates (CGA); Bernie Oleksa, Alliant Energy; Adam Seward, Honey Creek Land Improvement; Michael Pearce, Network Specialist; and Denise Smith, Drainage Clerk.

2. Approve Agenda

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

3. Approve Minutes

Motion by McClellan to approve the minutes of Drainage Meeting dated 12-09-2020. Second by Hoffman. All ayes. Motion carried.

4. Approve Claims For Payment

Motion by McClellan to approve the claims for payment with a pay date of Friday, December 18, 2020. Second by Hoffman. All ayes. Motion carried.

DD 11 WO 294 Eng Svcs Aft 9/25/20-11/27/20	Clapsaddle-Garber Assoc	\$ 527.60
DD 82 WO 301 Eng Svcs Aft 10/20/20-11/30/20	Clapsaddle-Garber Assoc	\$ 267.80
DD 9 WO 229 Eng Svcs Aft 10/30/20 to 11/27/20	Clapsaddle-Garber Assoc	\$8,924.80
DD 14 WO 291 Eng Svcs Aft 8/28/20 - 11/30/20	Clapsaddle-Garber Assoc	\$ 416.00
DD 14 WO 290 Eng Svcs Aft 10/30/20 - 11/30/20	Clapsaddle-Garber Assoc	\$ 364.80
DD 20 WO 302 Eng Svcs to 11/20/20 Invest. Blowout	Clapsaddle-Garber Assoc	\$ 490.75
DD 25 WO 209 - Eng Svcs Aft 10/30/20 to 11/27/20	Clapsaddle-Garber Assoc	\$ 645.60
DD 55-3 WO 201 Eng Svcs Aft 10/30/20 - 12/03/20	Clapsaddle-Garber Assoc	\$ 637.20
DD 128 WO 127 Eng Svcs Aft 7/31/20 to 11/27/20	Clapsaddle-Garber Assoc	\$ 340.00

5. DD 128 - WO 2020-4 - Discuss W Possible Action - Utility Crossing Summary

Smith stated that Bernie Oleksa from Alliant Energy has joined us for this meeting. Gallentine reviewed that this was for a utility crossing done by Alliant, right south of Dean Bright's place. Gallentine referenced the map included in the Summary, this utility installation was on the highway going up to D35, this was the same corridor that Heart of Iowa was in, they were also working in the area. Gallentine stated Heart of Iowa went out and did some potholing to try to find the tile, Heart of Iowa did not find Lateral 1, they did spend quite a bit of time on that. Alliant did not try to locate the tile, it was after installation that the Drainage Clerk had gotten a hold of Alliant, so Lateral 1 we don't have any data on, we don't know whether they cleared it or not, because we don't know where Lateral 1 is. Gallentine stated since Alliant's utility was already installed, they went out with their locator on the ground to try and locate which gave them the depth, it is Gallentine's understanding that the depth is not 100% accurate, but is not sure what the percentage of error is, Alliant indicated that they typically don't release that information, but this time they did, one of their employees told us.

Gallentine stated on Lateral 3, according to what Heart of Iowa shot and told us the clearance is only 1/2 a foot, your permit requires a foot, so this 1/2 a foot that was reported, there is no guarantee that the tile wasn't impacted, not saying it is. Gallentine does not know how accurate that is, and if you want to trust that or go out and pothole to locate the tile. Gallentine stated so that is Lateral 3 and Lateral 1 we have no idea because nobody has found it yet. Granzow stated from his standpoint, Alliant does have the depth indicator, we know the tile is within 1/2 a foot, are we going to go and make Alliant dig it out again to view it, that is Granzow's question or should we wait and state if there is any problem in the future, it will get billed to them, and asked what do the other Trustees feel. Hoffman asked if there was any precedence in the past on a situation like this. Gallentine stated no not really because most of them that have been located have cleared by a long distance, we have had a few that are less than a foot, and Gallentine does not think the Trustees made them lower the crossing, you just said hey if this is impacted you will repair it. Gallentine noted when Heart of Iowa found the Lateral 3 tile, it was in bad shape itself, it was broken when they found it, and it is clay, it either needs repaired or investigated, either way it needs

something done with it. Gallentine stated if you end up doing that it will be exposed anyway, and we will end up getting a hard shot on it. Granzow asked if Alliant went under it by 6", Gallentine stated according to their depths they went under it by 6". Granzow asked what if Alliant is right in the plane where we would need to make a repair/replace that tile, will Alliant come out and move that wire. Gallentine stated according to your permit they are supposed to, it is the Trustees call. McClellan stated Alliant would have to, she would not want anyone out there digging, Granzow stated that should not cost the landowner any extra, that is why we have them bore underneath.

Hoffman asked if Lateral 3 was a viable facility. Gallentine stated he did not know what was hooked up to Lateral 3, it is like most of the tile out there, you just don't know. Gallentine assumes it was meant to drain that field that was at the southwest quadrant of that T intersection there between Lateral 3 and Lateral 1, Granzow stated that field is wet every year right there, you can see it on this map. Gallentine stated he does not know if that is a lack of tile or if that is an issue with Lateral 3. Gallentine stated where Heart of Iowa found it, it was collapsed. Granzow stated it is a County problem as well as there is always a washout in that ditch, McClellan concurred. McClellan asked if that is the whole extent of Lateral 3, Gallentine replied yes, they just went to the west side of the county road, and that is where the facility stops according to the map.

Granzow stated we will have an issue and does not see a point of going in there right now and doing anything, Granzow thinks the issue will be when we go to fix it. Gallentine is stated he is telling the Trustees it needs fixed now, he does not know how much of the tile, but it needs fixed. Granzow asked if Gallentine had talked to Dean Bright about this issue yet. Gallentine stated no he had not, Granzow stated Bright's son farms the land to southwest and it has been wet for the last 20 years. Granzow stated he would wait for a request from a landowner but was pretty sure you could call him and he would probably request it. Gallentine asked if that was a phone call the Trustees would like him to make or the Drainage Clerk to make, Gallentine stated the Trustees do have the authority to authorize anything they want if they choose to, without landowner input, but it is good to ask the landowners what they think. Granzow stated he would call the landowner, Gallentine stated maybe Bright knows more about that lateral to the south, like where it comes in or where it is hooked up, Heart of Iowa spent at least a day out there vaccing and they couldn't find it. Granzow stated he does not know about that one, he can ask Bright on that, but as far as the utility goes, Granzow does not see any point in having the utility go out and dig it up right now, we already know there is an issue there at that point. McClellan stated let's dig it up once. Granzow stated the utility company needs to be aware that they will be charged for something if that needs to be done, McClellan stated because it was their cause. Granzow stated even if it was their cause, they are not deep enough, Granzow used contractor Seward as an example, if Seward has to go out there and do a repair and it costs an extra \$2,000, that is on the utility, not us.

Seward stated why don't you just locate it and be done with it, then both companies would know exactly where it is at and if any damage was done. Granzow stated we will have to dig it up and replace the tile at some point. Hoffman stated that could be part of the work order. Seward stated if they can't even find the tile then you could go to the outlet and back up. Granzow stated they found the tile, McClellan stated they found Lat 3 but not Lat 1. Gallentine stated they could not find Lat 1, Lat 3 is the one we found and that is the one we have 1/2 a foot clearance, Lat 1 we know nothing about, Gallentine would request that the next time the utility would get a hold of us before the utility gets installed, and we could avoid these issues altogether instead of after the fact. McClellan asked if they had a permit for this, Gallentine stated they had a permit for this they just didn't contact anybody until after the Drainage Clerk reached out, it got overlooked when they were reviewing the project.

Hoffman asked what Gallentine's recommendation would be. Gallentine stated he personally does not trust the locating depth because he has been on too many construction projects where the locating depths can be off by feet, so Gallentine would say if Dean Bright wants a repair, while it is being repaired that would be the time for the utility to expose it so we can get a hard shot on it, and if Dean doesn't want it repaired the utility company needs to expose it or be aware that if anything happens in the future, it will be their nickel. Hoffman would rather mitigate it now. McClellan stated in the meantime can you contact Bright and see what he wants to do. Granzow stated any of the landowners in the district can make the request, and Bright is right there and we can bring this back next week. Gallentine stated that Bright may say he doesn't even use the old tile, so maybe it needs to be abandoned then. McClellan stated on Lat 3, Gallentine stated either one, he does not know. McClellan stated it needs to be there for the drainage of the road ditch, Granzow agreed. Gallentine stated it is interesting, but there is no intakes there. McClellan stated maybe there needs to be. Granzow stated there has to be some beehives there, it takes a lot of water in there. Seward stated there would have to be beehives in the ditch and they are probably covered up. Gallentine stated that he thought so too but looked at the road plan, when it was graded, when it was staked and when it was paved, and they never mention the tile or a beehive. Seward asked if Gallentine was of the opinion that they just capped them then. Gallentine stated he does not think they were ever put in, when it was a gravel road they either didn't have them or they covered them over when they widened it for a blacktop. Seward stated that made sense then.

McClellan asked if there was a culvert there to take that water from one side of the road to the other. Gallentine stated there is culverts to take the water from one side of the road to the other, but nothing to get it underground to

the tile. McClellan stated it washes the edge of their field right there, right down into the ditch. Seward stated that is what it needs then is some intakes. Gallentine stated hopefully Bright can provide us some insights, Hoffman asked if Gallentine was going to contact Bright or if the Trustees would like the Drainage Clerk to contact Bright. Granzow stated he could contact Bright, and the other landowners.

Motion by Hoffman to table this and put it on next week's agenda. Second by McClellan.

In additional discussion on the motion, Smith asked if the Trustees have any additional comments or questions for Bernie Oleksa while we have him on the line. Granzow stated well you know where we stand. Hoffman stated please don't ask for forgiveness after the fact, please ask for permission. The Trustees thanked Oleksa for his attendance.

All ayes. Motion carried.

6. DD 14 WO 291- Discuss W Possible Action - Tile Repairs

Smith stated this was the tile repair that was done in Ron Vierkandt's parcel and the Trustees had directed Smith to reach out to contractor Adam Seward for a split on the invoice for those repairs, for what portion of those costs should be attributed to the private tile repair, Seward has come in to discuss that with us today as well as Gallentine to discuss that split as CGA had a couple of small invoices as well. Granzow asked if Gallentine had reached out to the IDDA attorney. Gallentine stated he did and it was an interesting email, the attorney indicated that neither he nor John Torberg who is the head of the IDDA's lobbyists, had been contacted by a landowner in over a year, so he indicated that that wasn't the case, but he did ask from the details whether the connections were originally installed by the landowner or the district. Gallentine stated they were definitely installed by the district, and his comment was that the landowner will be liable for it then and that if the landowner chose they could get reimbursed by trying to get it out of their contractor. Gallentine stated the short answer from Torberg is it is Ron Vierkandt's expense, the only thing Gallentine is a little concerned about is this maybe taken a little bit inside a vacuum because he just asked him that one specific question. Gallentine does not know how this is different than the golf course in Radcliffe, Gallentine knows that involves trees, and that is not a direct connection, but both of them were disrupting the flow of the tile, or that much different from Piel's down in Hubbard. Gallentine did not pose those different issues to him, but his short answer is, it is the landowners expense, Gallentine's concern is that are we cherry picking or setting up something different than what the precedence has been in the county.

Granzow stated we also had the trouble in DD 22 where they did that with Randy Madden, and we did the televising, it was either DD 22 or DD 26, where they had shoved the tile all the way into the other end, but that was the district doing that. Gallentine stated yes that was the district paying for it, and Gallentine can't remember who paid for that, it was either Ryken or the district. Granzow stated he believed it was the district as part of the settlement that was all tied together. Gallentine stated he is not saying that Torberg is wrong, Gallentine just does not know how much that previous history factors in, if it does at all. McClellan stated she would almost like to see the cost go to the landowner, and the landowner get it from the contractor, but we can't force Vierkandt to do that either, but it was definitely a contractor mistake. Hoffman stated Vierkandt has offered to take care of it too, Hoffman does not want the record to look like Vierkandt is the bad guy here, because he does not want someone who watches this today to say, well make that bad guy pay for it, he was very open about taking responsibility earlier for the record. Gallentine stated that Vierkandt admitted at the last meeting that he was unaware of the type of work performed by the contractor, he did not know about it until we exposed it. Granzow stated the discovery is the district's discovery, and that Vierkandt's repair is Vierkandt's repair, as he was the one who initiated it, he would have to go after the contractor. Hoffman asked if Gallentine and Seward would work together to split out the invoices and we can bring this back on the agenda in the next two weeks. Gallentine stated he could get his split, it would be no problem, and Gallentine assumes Seward can get his split too. Seward stated he does not have it split now. Gallentine stated you could bill it hourly and by materials. Seward stated he can split he is just saying he does not have it split now. Hoffman stated as long as you can get it split in a couple weeks. Seward stated that is no problem, initially Vierkandt wanted them to go north, and this is Seward assuming that was the case because he had already had a contractor to the south so he felt like everything to the south had been taken care of and/or fixed, that is why Seward and CGA's observer started in the north and worked our way back south. Seward stated he finally told Vierkandt we have to go south crossing the highway, it is virtually impossible to be north of the highway at this point, which is where we made the discovery. Seward stated if he would have let us be, we probably started from the south, ultimately it was the other contractor that caused 100% of this, because we wouldn't have been there if the other contractor had not made the connections that he made. Gallentine stated the other contractor caused 98% and then a pop can and a garbage bag caused the other 2% of it. Seward stated the other contractor was the reason we got the work order, but we can split it up whatever is responsible. Hoffman asked if when Seward has the invoice split could he send it to Gallentine for peer review, so that it shadows Gallentine's work so that we get something that is uniform, Hoffman asked the other Trustees if that sounded good.

Granzow stated after listening to all this, had Seward started where he originally wanted to start, we could have avoided all this, we wouldn't have had the discovery or had all the damages going uphill, Seward stated that was just a hunch and felt we needed to go south because that was the direction the water was going, we were going to have to cross the road, whether we started at the south and went to the north, or vice versa. Seward stated ultimately we wouldn't have gotten the work order if the other contractor had not made that connection. Granzow stated he gets the other contractor not doing the work, and is wondering if Vierkandt was keeping Seward from doing the work where he originally thought first. Seward asked if it was maliciously. Granzow stated not maliciously at all, McClellan that is between Vierkandt and his contractor. Granzow stated where did Seward originally want to check, and he was told not to check here, it has to be higher. McClellan stated she thinks the whole thing is the district's responsibility, that whole thing is Vierkandt's responsibility, and if he wants to take responsibility for part of it or try to pass it on to his contractor, that is up to him. Seward stated he felt like Vierkandt felt that this part has been fixed, and really truly thought that it was north of there, and was being helpful, he was very helpful and we enjoyed having him on the job, this is just how it turned out, and eventually we exposed to where the problem was and realized we could have saved a lot of time and money, that we should have started where Seward thought we should have.

Granzow stated he thinks the whole expense goes back to the original contractor screwing it up through Vierkandt. McClellan agreed. Granzow stated he would not have said that if you hadn't gone out and done discovery, and you did discover where you thought you should start and he talked you out of starting where you thought you should start. Seward stated so to speak, we just kind of had a hip pocket discussion, all of use were there, it was around tassel time, it's not like we make a practice out of knocking down corn. Granzow asked whose field was on the other side, Seward replied Vierkandt's, Granzow stated that makes a big difference to him on that. Seward stated they pretty much, have a four section, or are close to farming all four section, and if Seward recalls correctly that tile hits all four sections of their farms there. Seward stated it was a guessing game at that point trying to verify location. Granzow stated he was fine with that, he just wanted to make sure we hadn't plowed into someone else's field there, Seward stated no, Vierkandt took the brunt of all the crop loss damage. Smith stated Vierkandt has not turned in a crop damage claim yet. Gallentine stated it looks like the field to the north is owned by James Vierkandt. Seward stated that would be Ron Vierkandt's son, Gallentine stated the one to the northeast is Ron Vierkandt's and straight east across the road is Cynthia Iorger. Seward stated he thought Ron Vierkandt farmed Iorger's parcel as well,

Seward stated there was significant crop loss because he had to get rock bedding in there, Seward could not cross the ditch with a truck and trailer, so he had to go through the field, knock down corn to get material back there. Granzow stated he thinks we are back to our original, have Vierkandt pay for the repair, because it is his to fix, that Seward did, and the discovery the district can pay for and if any damages are turned in, Granzow thinks he would deny them at this point. Hoffman stated knowing the cause and effect, Granzow stated yes. Gallentine stated he would get his bill split up and if Seward would reach out to Gallentine when Seward's bill is split, that would be great. Seward stated he would reach out to Gallentine via email, and have Gallentine look over Seward's split and see where we can go from there. Gallentine stated yes, that works for him. Smith asked if the Trustees would like Ron Vierkandt to join the Trustees for a meeting when we re-agenda this so it does not come as a total surprise. McClellan stated yes, just let Vierkandt know when it will be and that gives him the opportunity to come if he wants to. Hoffman stated he thought that was fair. Smith will do that. Granzow stated he is not trying to pinpoint Vierkandt as the bad guy, Seward stated he thought Vierkandt thought his own contractor was going to do a good job and life would be good, ut just happened this way. Granzow stated it is in County Code that they need to contact us when they are tapping district tile, Smith stated she believed so, yes, if not it is in the Private Tile Connection Policy, which Smith can pull and have available for the meeting as well. Granzow stated they should be using tap tees, Smith stated that is in the policy as well. Granzow stated that using the tap tees was neglected and what other connections did McDowell do that in in the field, that maybe Vierkandt should have addressed or dug up, just because we found one problem, that does not mean we found them all. Seward stated there is a good chance it could have been done in other spots, as McDowell put in a large amount of tile in that area, in the southwest corner of that intersection at D41. Granzow stated if you send a letter to Vierkandt, have him bring in his private tile maps as well. Smith stated she would make that request. Smith asked if the Trustees could direct her to re-agenda this with a date for a meeting so that she could communicate that to Vierkandt.

Motion by Hoffman to revisit this on December 30th Regular Drainage Meeting and to let Vierkandt know that, and for Seward and Gallentine to join us that day as well. Second by McClellan. All ayes. Motion carried.

7. DD Big 4 - WO 2020-2 - Discuss W Possible Action - Utility Crossing Summary

Gallentine stated this is a Midland Power Co-op Permit, Midland had filed for a bunch of permits earlier this year, and it was Gallentine's understanding that most of the work had been done even though they hadn't contacted us or been out and exposed a lot of it. Gallentine stated we went out and did the work on the open ditch ones because that didn't require anything to be exposed. Gallentine stated this is on the main of Big 4, there is not a great map in the permit application, it is on 120th St, there were no issues, the nearest powerline is 82' from the

centerline on the main open ditch. It is beyond the edge of the spoil bank but not very far, they are not very close to the main open ditch, we had no issues with this one at all. Gallentine stated they appear to be all overhead lines.

Motion by Hoffman to approve the DD Big 4 Permit #2020-2 Utility Crossing Summary as presented. Second by McClellan.

In additional discussion on the motion, Smith asked if Hoffman wanted to include in his motion to close this permit if this concludes Midland's work on this particular drainage permit, Hoffman stated yes please. Gallentine stated we may want to check, there may be other districts on this permit other than just the Big 4. Smith stated this permit covered work in DD 142 and Big 4, Smith asked so we can close the Big 4 portion. Gallentine stated he thought so, yes. Granzow asked for any other discussion, hearing none, Granzow called for the motion.

All ayes. Motion carried.

8. DD Big 4 WO 2020-3 - Discuss W Possible Action - Utility Crossing Summary

Gallentine stated this one was on DD Big 4 on Lateral 1 on C Ave. on open ditch, same thing, Midland out in overhead lines, they are 86.6' away from the centerline of open ditch, so again there is plenty of clearance there, there is a little bit more than the last one since Lat 1 is a smaller open ditch. Gallentine stated you could probably deem the Big 4 portion of this permit closed.

Motion by Hoffman to approve the DD Big 4 Permit #2020-3 Utility Crossing Summary as presented, and close the Big 4 portion of the permit #2020-3. Second by McClellan. All ayes. Motion carried.

9. DD Big 4 - WO 2020-5 - Discuss W Possible Action - Utility Crossing Summary

Gallentine stated this one is a little bit more interesting, this one has the main on 110th St, the main is an open ditch, they cleared that one by 71.3' so that is pretty good, they cleared Lateral 1 on D Ave., this one they got a pole really close to the open ditch. Gallentine stated you could see in the photo they got pretty close, the Main was ok, on Lateral 1 they put a pole essentially right at the top of the foreslope of the open ditch, potentially you could have stability issues at the bank, it could cause sloughing. Gallentine stated the Drainage Utility Permit language doesn't require them to be a set distance away from an open ditch, but that one is pretty close. Hoffman asked if there was a way we could ask them to put some mesh down in the spring and/or some riprap around it that wouldn't interfere with the agricultural land. Gallentine stated he thought that would be reasonable, they did not contact us ahead of time, they are contacting us after they went out and did all this so we are finding it out after the fact. Hoffman stated he would like one of our contractors to do this so it gets done and done right, rather than waiting for a crew from Louisiana or Ontario, Canada to come down and do it. Granzow stated, so your motion will be to send a contractor out and send them the bill, Hoffman stated that was correct, we have dealt with this plenty. McClellan asked if we need to let Midland know we are going to do that. Hoffman stated yes, they can contest it, but a line is drawn in the sand. McClellan stated do we give them a date that they must do it by. Hoffman stated he is beyond that at this point, Granzow stated they are aware.

Smith stated Midland had 10 open utility permits when we started the Drainage Utility Permit review process, so on none of those we had received prior notice or 24 hour notice of construction, Smith stated the they need to be aware that there could be potential side effects of not following their permit processes. Hoffman stated from a construction and engineering standpoint, this is putting the netting in and some rip rap in that area, and it probably needs to wait until spring. Gallentine stated that at this point, even if there is a foot of frost in these ditches, you run the risk of destabilizing stuff, it will probably have to wait until spring, unless we get a nice warm streak. Granzow asked if you want to give them the option of relocating the pole. Hoffman stated that would have to wait until spring to, Hoffman just wants to take care of it, this is common sense.

Granzow stated as the farmer, I like the poles location, Hoffman stated it come back to the left of the photo image, Hoffman noted he is point to the left of the image in the grassy area. Gallentine stated if they moved to 20' to the side, it would be perfect, Hoffman indicated that was where he was pointing. Granzow stated he would make the proposal that we would hire someone to do the mesh and rip rap at their expense or they can come back and move the pole.

Hoffman motioned to instruct the Drainage Clerk to contact Midland on this Drainage Utility Permit to request that Midland relocate the pole to an identified spot that CGA will identify when they are ready to do it or we will have our contractor at Midland's expense, place netting and rip rap to stabilize the backslope of the open ditch. Second by McClellan. All ayes. Motion carried.

10. DD Big 4 - WO 2020-14 - Discuss W Possible Action - Utility Crossing Summary

Gallentine stated this Drainage Utility Permit crossing is another one of Midland's, it is on Lateral 4 on B Ave, they are 46' away from the centerline of the open ditch with their closest pole, which puts them about 16-1/2' away from that top of the ditch, so this one is okay, they are back off the top of the ditch and we could get in their to do some work in the future if you need to.

Motion by Hoffman to approve the DD Big 4 Permit #2020-14 Utility Crossing Summary as presented and close the DD Big 4 portion of permit #2020-14. Second by McClellan.

In additional discussion on the motion, Smith stated DD Big 4 is the only district listed on this permit so we can just go ahead and close it.

All ayes. Motion carried.

11. DD's 93, 94, & 128 WO 2020-12 - Discuss W Possible Action - Utility Crossing Summary

Gallentine stated these are all Heart of Iowa permits, on DD 93 they cleared the Main tile and the closest they got was 1-1/2', the only two things we have going are they did on two of the three crossings they went over the tile, instead of under it, if you want to waive that, that would be great and they have signage present but it does not state Heart of Iowa's phone number and address on it, the signage just tells people to contact One Call.

Motion by Hoffman to approve the DD 93 portion of Drainage Utility Permit #2020-12 Utility Crossing Summary for Heart of Iowa as presented. Second by McClellan.

In additional discussion on the motion, Granzow stated that would include the waiving. Hoffman stated that the next time Heart of Iowa orders stickers for signage, could the Drainage Clerk make a request to them to include their address and phone number on them. Smith stated she would do that. Hoffman stated they probably order a thousand sticker at a time, but the next time they order them, could they put their number on them. McClellan stated that has come up before. Smith stated the last time this came up on a Heart of Iowa permit, we granted a variance to Heart of Iowa on signage. Granzow asked if two of the lines were above the tile. Gallentine stated one was above the tile by 1-1/2' and another was above the tile by 4.8' and the tile is fairly deep at least in the one spot. Granzow noted if it ever causes a problem and we have to go across there, they will fix and repair at their expense, is that correct. Gallentine states that is what your permit reads, and that is what he told them on previous ones but it wouldn't hurt to remind them of that. Hoffman asked if the Drainage Clerk could remind them of that in the letter to Heart of Iowa. Smith stated she would include that in the letter. McClellan asked if this was something we need to put in the drainage permit. Smith stated that language was in the drainage utility permit.

All ayes. Motion carried.

DD 94 - Gallentine stated this was on the Main and Lat 3, they crossed noth of those and the closest they came was 6.5' to 6.6', this was the same thing again with the signage, they put out signs, they just don't have their address or phone number on them.

Motion by Hoffman to approve the DD 94 portion of Drainage Utility Permit #2020-12 Utility Crossing Summary for Heart of Iowa as presented. Second by McClellan. All Ayes. Motion carried.

DD 128 - This is the exact same route we just talked about with Alliant, Gallentine knows the Alliant gentleman is not on the line with us anymore, but Gallentine felt bad for Heart of Iowa, Heart of Iowa did all the tile exploring, Alliant didn't do anything, they just showed up and locate their tile, so Heart of Iowa did a lot of work that Alliant relied on. Again, the Lateral 1 tile we could not find, but Heart of Iowa was smart enough that they scooted over and put their installation in the road bed, they are only a foot below the road ditch, even though they are above Lateral 1 tile Gallentine does not know how they could have impacted Lateral 1 tile, they are not that much deeper in the road ditch. Lateral 3 they crossed that with no problems, they were 6.7' below it.

Motion by Hoffman to approve the DD 128 portion of Drainage Utility Permit #2020-12 Utility Crossing Summary for Heart of Iowa as presented. Second by McClellan.

In additional discussion on the motion, Hoffman stated for the record he is glad that someone at Heart of Iowa showed has common sense and a little ingenuity. Gallentine stated they are very good to deal with. McClellan stated she wished all the utilities were like that and as conscientious.

All ayes. Motion carried.

12. Discuss W Possible Action - Aureon Drainage Utility Permits 2019-1, 2019-2 & 2019-4

Gallentine stated Aureon put in a bunch of stuff a year or two ago, and they contacted us for the first two districts they crossed, and they never called us back again, Smith has reached out to them pretty successfully, and they have sent us as built information because we didn't even know for sure where they were at. Gallentine stated they have sent us three different sets of as built plans, and Gallentine has not looked at them in depth, and referenced sheet 2, this shows the information their as built shows. Gallentine stated here you see what they do, the blue line is what they bored, it says Drainage District tile - refer to DD 1 for installation requirements, which is the other pdf document Gallentine provided by email, which is literally a copy of your permit and nothing else. Gallentine stated this as built shows me nothing, it does not tell me what tile they found, if they found the tile, how deep they are or anything, all it tells me that there is a DD tile there, which Gallentine knew based off looking at Beacon. Hoffman asked it just refers you back to our own permit. Gallentine stated he does not know how you want to proceed or how many districts are impacted, it would be based off the as built, Gallentine asked Smith if she thought it would be between 15 and 30 districts. Smith stated she would think so, and can pull the original permits and look and see how many districts they listed on those as she brought their file down. Smith stated she would see if she could find that information for you really quickly based off the original permits.

Gallentine stated if you want to go back go back to the pdf of one of the plan sets, it shows the route they are taking, they went D25 down S27 and back all the way to H Ave for quite a few miles, and that is just one of three sets they sent us of as built. Granzow stated that is a lot of drainage districts. Gallentine stated their contractor contacted us for the first two drainage districts out of the gate, over on the Hamilton County line and then we never heard another word from them. Smith stated it looks like we have a total of 22 districts they have crossed as she looks at the original permit applications filed by Aureon, and just tally up the three permits all together. Granzow stated we better call them in, and they better have a better explanation, not only that we will give them a cease and desist letter. Hoffman stated he would like to have someone here either next week or the following week, or we will assign the work to a local contractor, they knew what to do they just chose not to do it, this is just ridiculous. Hoffman stated if they just ignore it they hope it and we will go away. McClellan stated there are a lot of counties that don't pay attention and they get away with it. Granzow stated with all the law suits we have had, we are more of a leader with this than a follower.

Motion by Hoffman to instruct the Drainage Clerk to contact Aureon and request their presence at a meeting on December 23rd or December 30, 2020, to discuss immediate mitigation of this. Second by McClellan. All ayes. Motion carried.

Gallentine asked if the Trustees wanted him to pull which districts we are talking about before the next meeting with Aureon. Smith stated she can pull that information of the original applications if that would be sufficient, or is there anything else Gallentine or the Trustees think we would need. Granzow stated he thought it would be more interesting for Aureon to tell us which districts they crossed, McClellan and Hoffman agreed. Granzow stated if they don't even come close to lining up with our tile lines, then you know they didn't do anything. Hoffman stated he would like them to explain what they did, and in their first two jobs, and see if they are coming close, Hoffman stated he did not want to set this up as a trap but did want to see if they are competent in doing their jobs. McClellan would like to see that they are honest. Granzow stated he did not think they wanted to spend so they went and did it anyway.

13. Other Business

14. Adjourn Meeting

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



Drainage Work Order Request For Repair

Hardin County

Date: 6/15/2020

Work Order #: WO00000297

Drainage District: DDs\DD 42 (51067)

Sec-Twp-Rge: 35-88-22 **Qtr Sec:** 88223510003

Location/GIS: 88-22-35-100-003

Requested By: David Sweeney / James Sweeney

Contact Phone: (641) 373-3131

Contact Email: _____

Landowner (if different): Cynthia Iorger

Description: DD 42 - David Sweeney reports a 3' diameter blowout/sinkhole over main tile approximately 50 yards upstream from where the Main tile crosses the south property line.

Repair labor, materials and equipment: _____

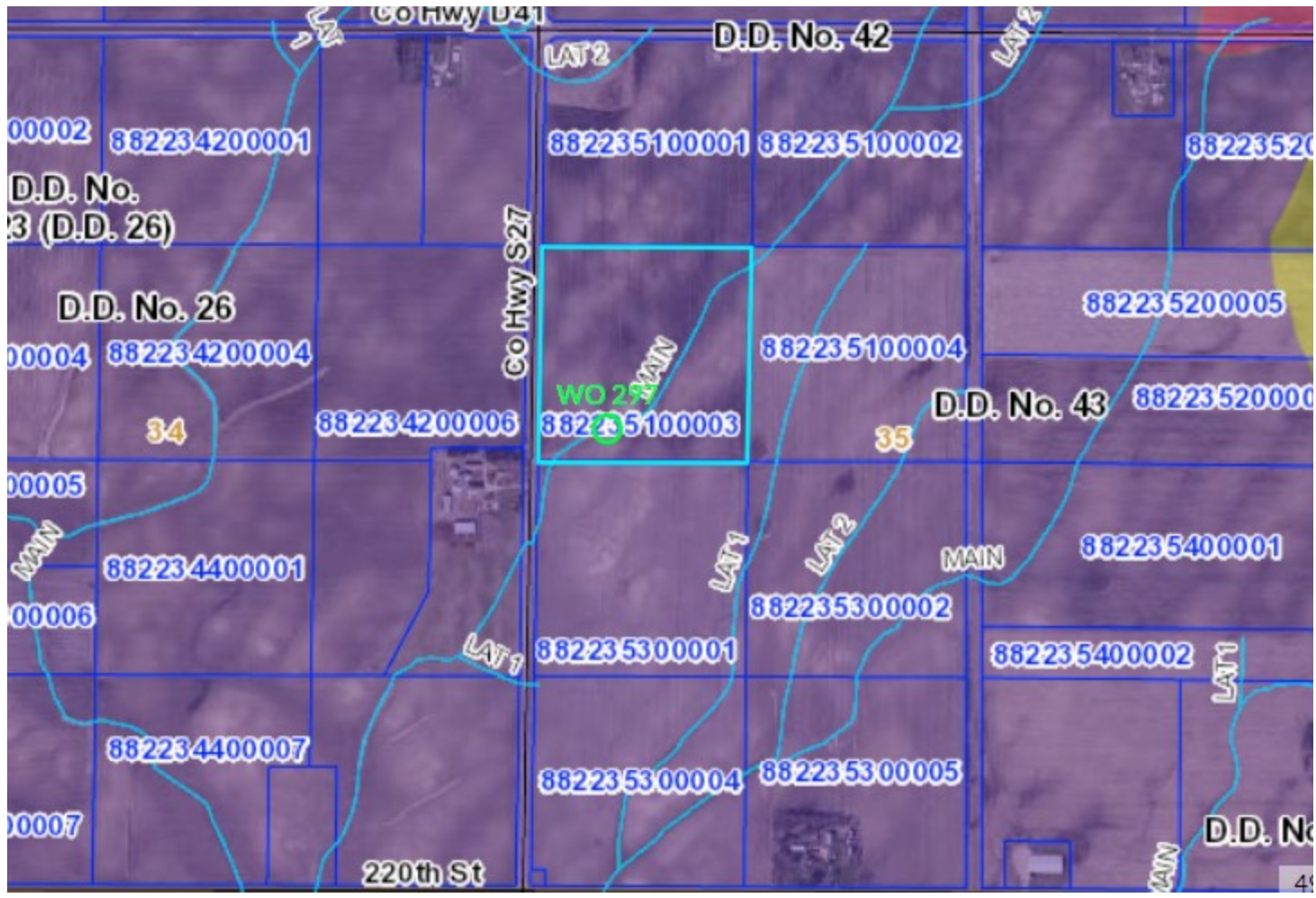
Repaired By: _____ **Date:** _____

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:** _____





HARDIN COUNTY

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

HARDIN COUNTY DRAINAGE DISTRICT UTILITY PERMIT APPLICATION

Applicant: Interstate Power & Light Company / Alliant Energy
Company Name

410 Lawler St
Address

Iowa Falls IA 50126
City State Zip

Applicant Contact: Chris Jess (641) 648 - 7605
Name Phone

chrisjess@alliantenergy.com
Email

Utility Type: Electric

Drainage District(s) Crossed: ~~1, 78, 128~~

Facilities Crossed (specific tile, open ditch): ~~near LAT 8 of D.D. 78, LAT1 & LAT3 of D.D. 128~~

Description of Work: Install a new 25,000volt, underground, electric system, consisting of 1-phase & 3-phase #1AL cable and
(Location plan of proposed utility must be attached.) 2" & 4" duct by means of plowing and boring along and crossing under county highway S55 & D35 in
the public ROW. The electric system will be built to NESC standards. IPL WR 4175021

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.

Tony VAUGHN, SENIOR MANAGER OPERATIONS IOWA FALLS TJ
Applicant Signature

3-9-2020
Date

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

For Office Use Only

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

APPROVED PERMIT #: 2020-4



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.

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. Applicant shall comply with Iowa One-Call requirements prior to commencing any work.
3. 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.
4. 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.
5. 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.
6. 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 Applicants installation.
7. 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.
8. 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.
9. 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.
10. The Drainage District Trustees may appoint a representative to inspect and approve all construction across Drainage District facilities as part of this permit. All compensation, wages, mileage and other expenses for this representative will be paid by the Applicant. It will be the responsibility of the Applicant to make all contacts with private parties (adjacent owners/operators) to determine the location of private drainage facilities. Said representative will also inspect all crossing of Drainage District facilities and may, if required, observe the crossing of private drainage facilities, and shall have the authority to require the Applicant to excavate and expose the crossing of any Drainage District facility where the representative believes it prudent to visually examine Applicants crossing of the Drainage District facility. Further, said representative has the authority to suspend construction and installation by the Applicant within any Drainage District jurisdiction by verbal order to the contractor at the site and a telephone call to Applicants contact person listed on page 1 within six (6) hours of the verbal order.

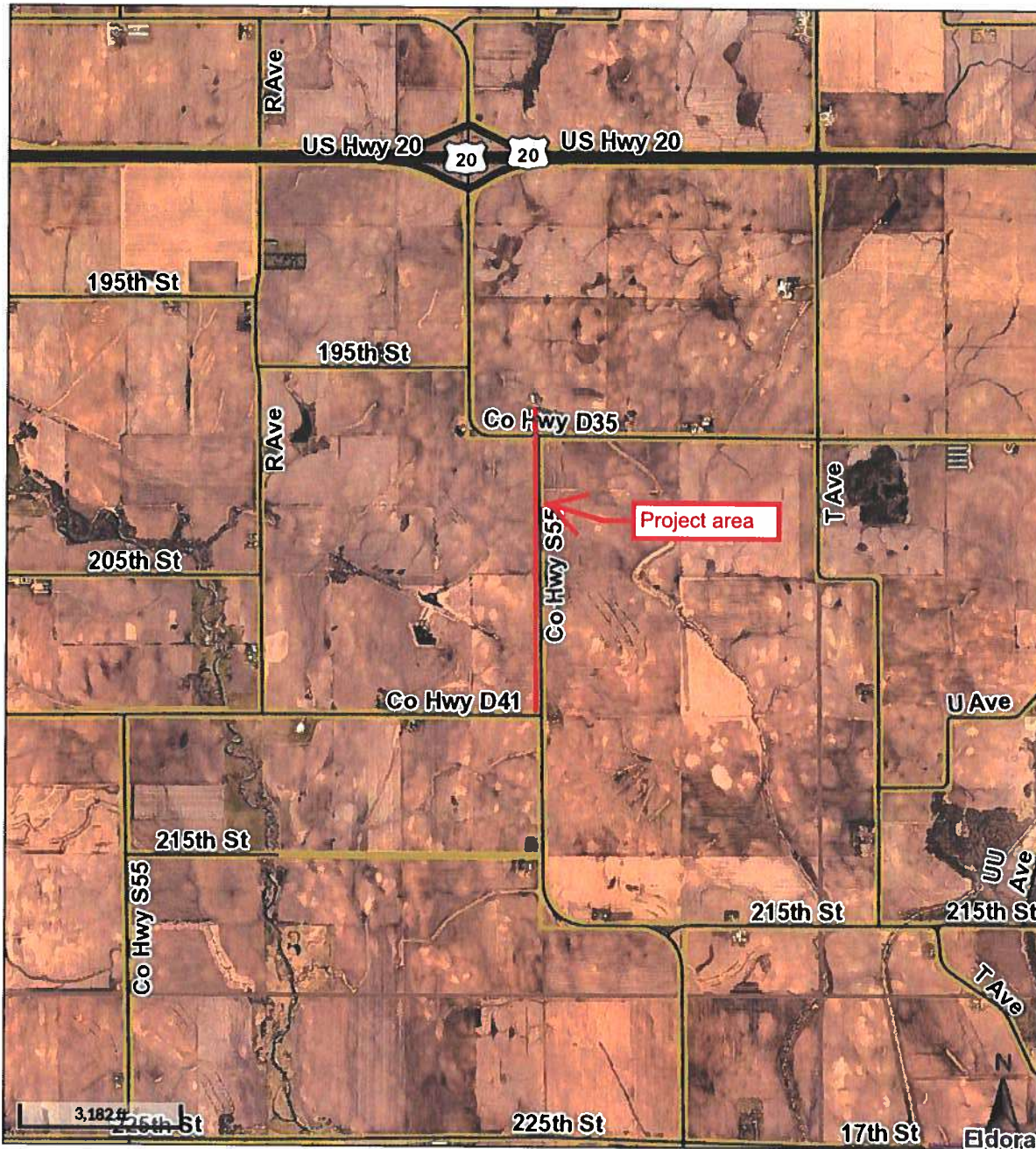


11. The construction and maintenance of Applicants installation shall be carried on in such a manner as to not interfere with or interrupt the function of said Drainage District facilities without the express written consent of the Drainage District Representative. In the event it becomes necessary to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

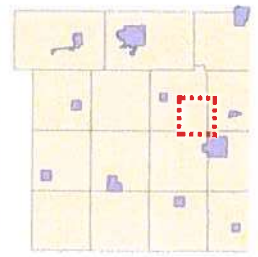


14. CROSSING OF DRAINAGE DISTRICT TILE LINES. Utility crossings shall be constructed as follows, as directed by the designated representative of the Drainage District:
- a. All proposed installations must be placed under the existing Drainage District tile lines. These requirements may be waived only 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.
15. This permit is subject to existing regulations and statutes of the State of Iowa and future regulations, which may be promulgated or enacted.
16. 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.
17. 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.
18. 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.
19. 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.

Beacon™ Hardin County, IA



Overview

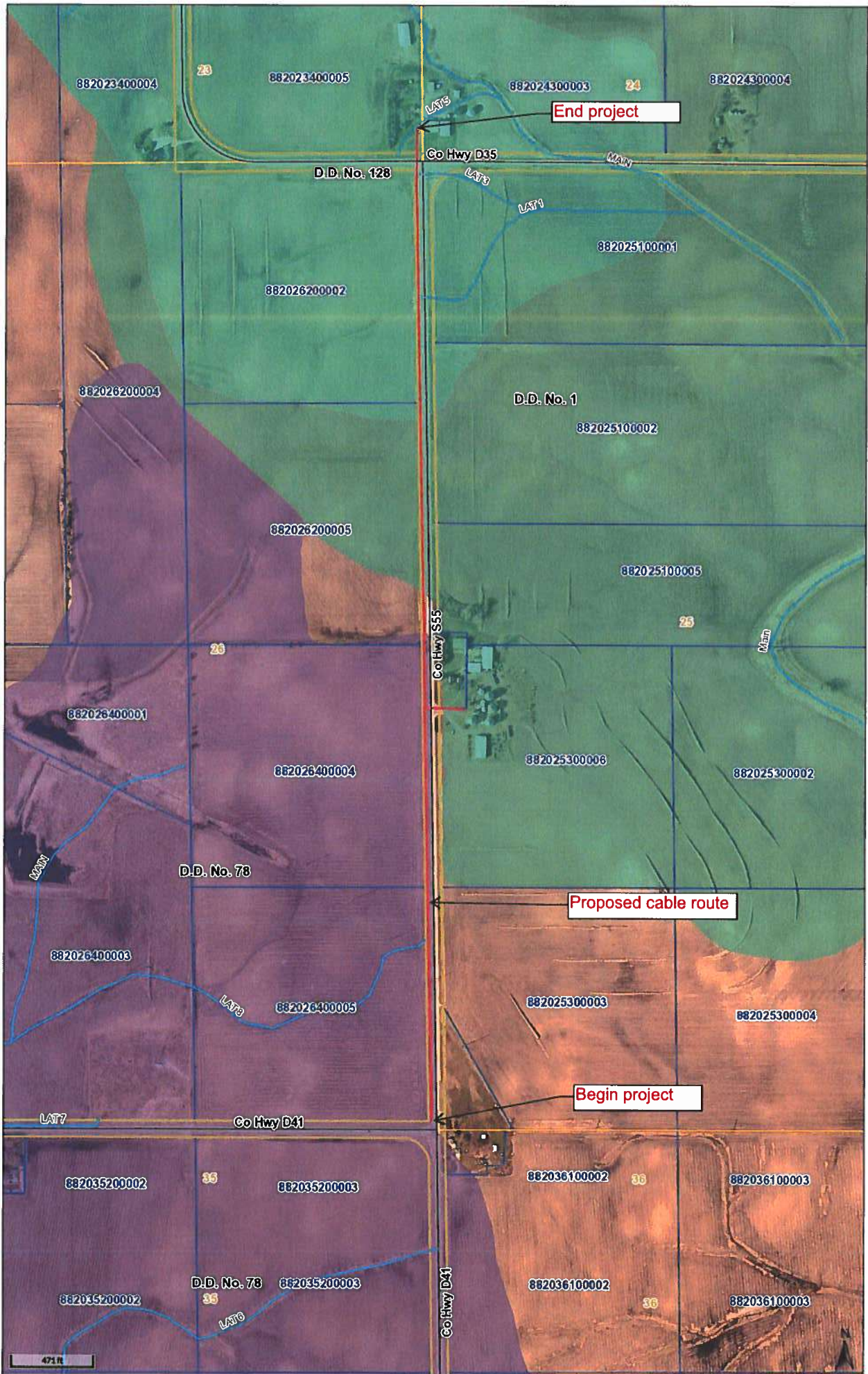


Legend

- Corporate Limits
- Political Township
- Roads
 - County Road
 - Federal Highway
 - Local Road
 - State Highway
 - Town Road
 - Road ROW

Date created: 1/10/2020
Last Data Uploaded: 1/10/2020 8:40:45 AM

Developed by  Schneider
GEO SPATIAL



882023400004

882023400005

882024300003

882024300004

D.D. No. 128

Go Hwy D35

End project

882026200002

882025100001

882026200004

D.D. No. 1

882025100002

882026200005

882025100005

882026400001

23

Co Hwy S45

25

882026400004

882025300008

882025300002

D.D. No. 78

Proposed cable route

882026400003

882026400005

882025300003

882025300004

LAT7

Co Hwy D41

Begin project

882035200002

35

882035200003

882036100002

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882036100003

D.D. No. 78

882035200003

882036100002

36

882036100003

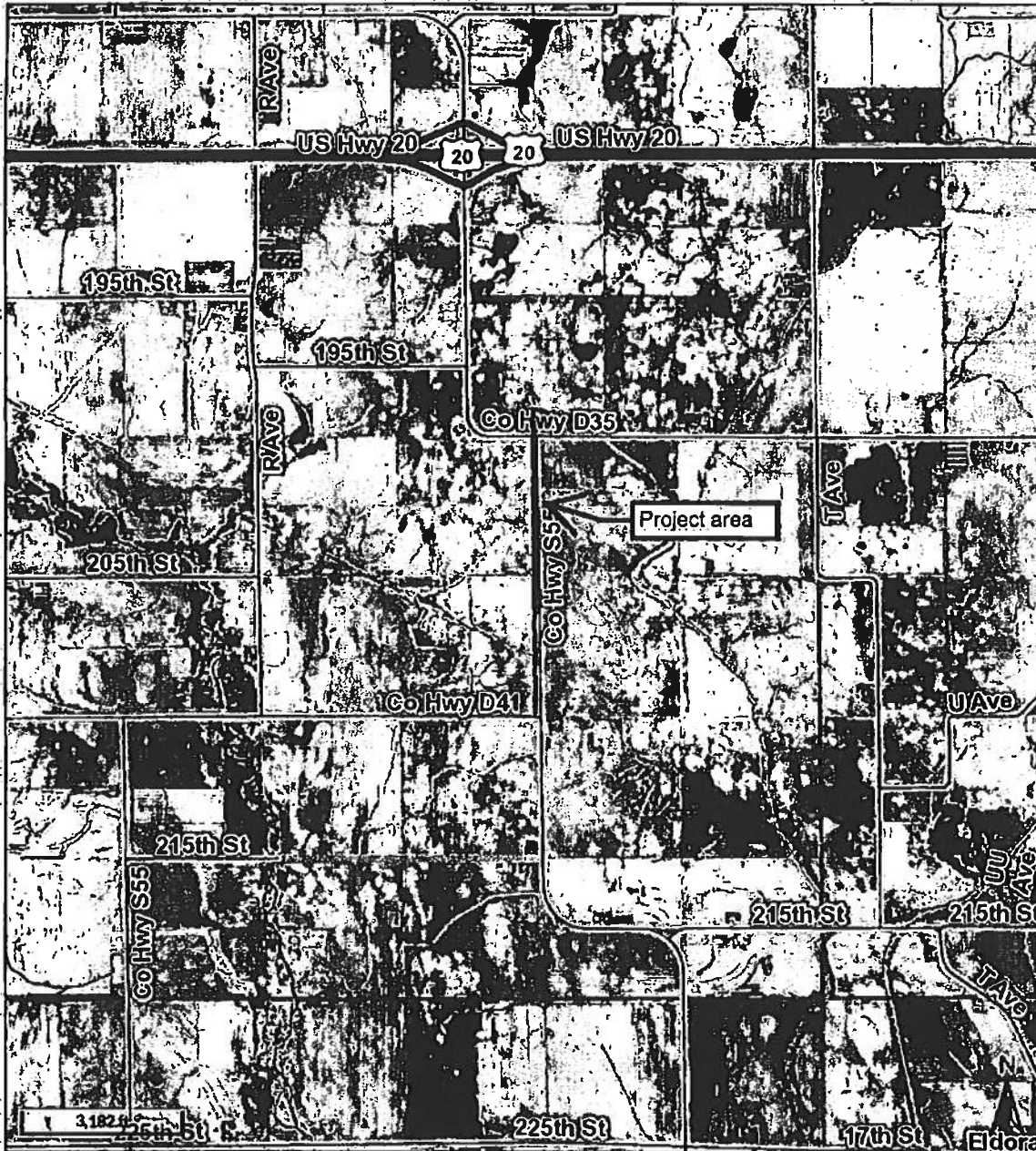
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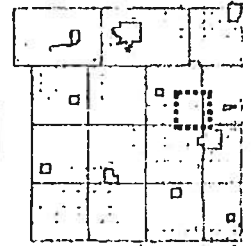
LAT6

Co Hwy D41

471 ft



Overview

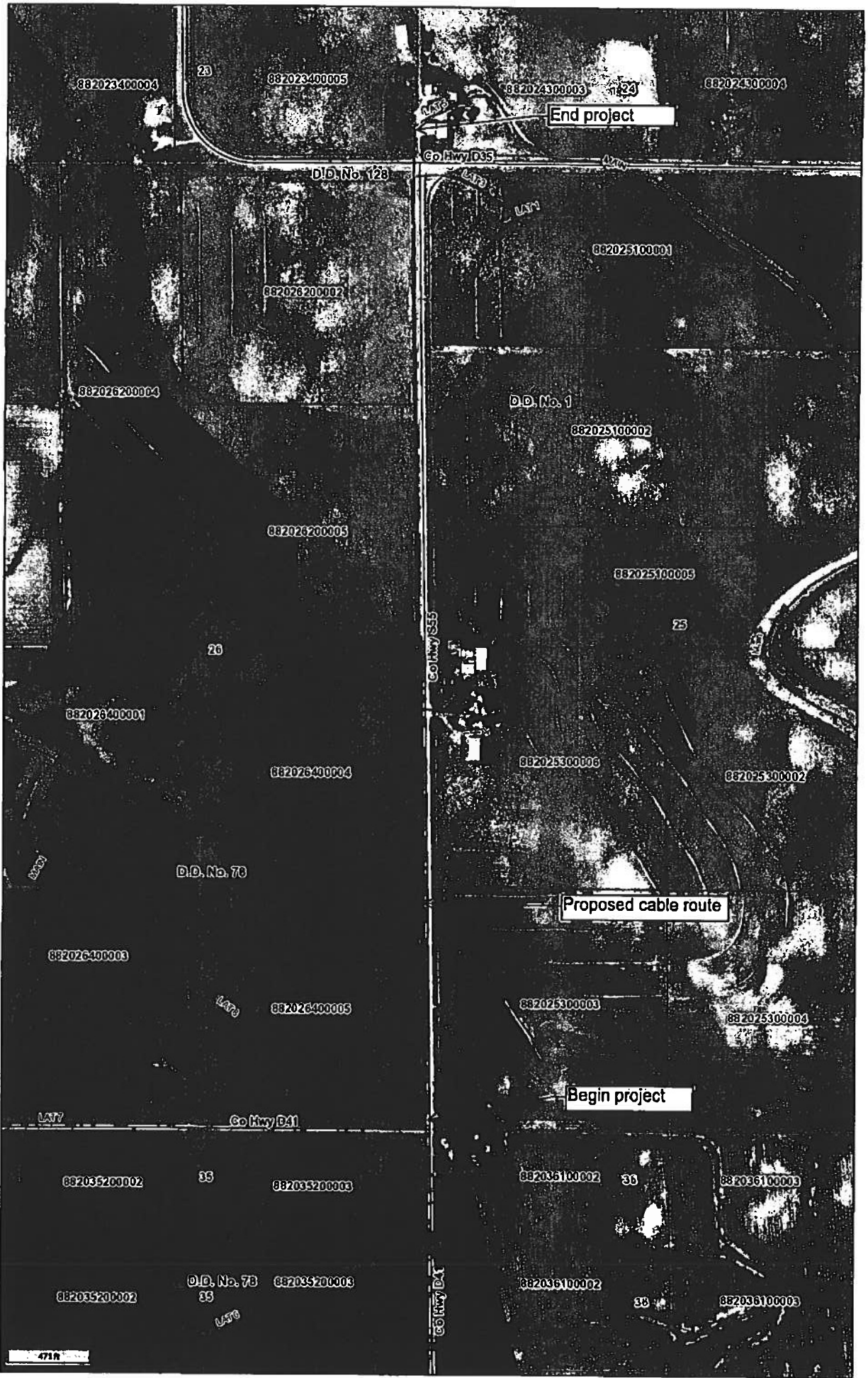


Legend

- Corporate Limits
- Political Township
- Roads**
 - County Road
 - Federal Highway
 - Local Road
 - State Highway
 - Town Road
 - Road ROW

Date created: 1/10/2020
 Last Data Uploaded: 1/10/2020 8:40:45 AM

Developed by  **Schneider**
 GEOSPATIAL



882023400004

23

882023400005

882024300003

23

882024300004

End project

Co Hwy D35

D.D. No. 128

882025100001

882026200002

882026200004

D.D. No. 1

882025100002

882026200005

882025100005

20

25

882026400001

Co Hwy B55

882026400004

882025300006

882025300002

D.D. No. 73

Proposed cable route

882026400003

L478

882026400005

882025300003

882025300004

Begin project

L477

Co Hwy D41

882035200002

35

882035200003

882036100002

36

882036100003

882035200002

D.D. No. 73

35

882035200003

882036100002

36

882036100003

Co Hwy D41

471m

HARDIN COUNTY UTILITY PERMIT APPLICATION



Permit No: UT-20-009

Underground
 Aerial

Permanent Installation
 Temporary Installation

This is a Utility Permit Application for telecommunications, electric, gas, water and sewer utilities. The applicant agrees to comply with the following permit requirements. Compliance shall be determined by the sole discretion of the County Engineer as deemed necessary to promote public health, safety, and general welfare. These requirements shall apply unless waived in writing by the County Engineer prior to installation.

APPLICANT NAME: Interstate Power & Light Company / Alliant Energy

STREET ADDRESS: 410 Lawler St

CITY: Iowa Falls STATE: IA ZIP: 50128

PHONE: 641-646-7805 FAX: _____ CONTACT PERSON: Chris Jess

TYPE OF WORK: Install a new 1-phase & 3-phase #1AL cable, 25,000volt, underground, electric system, in order to remove the existing overhead electric lines on the route along the west side of Co Hwy S55. The electric system will be built to NESC standards WR4176021

DD 128
DD 1
DD 78

1. LOCATION PLAN

An applicant shall file a completed location plan as an attachment to this Utility Permit Application. The location plan shall set forth the location of the proposed line on the secondary road system and include a description of the proposed installation.

2. WRITTEN NOTICE

At least five (5) working days prior to the proposed installation, an applicant shall file with the County Engineer a written notice stating the time, date, location, and nature of the proposed installation.

3. INSPECTION

The County Engineer may provide a full-time inspector during the installation of all lines to ensure compliance with this Utility Permit. The inspector shall have the right, during reasonable hours and after showing proper identification, to enter any installation site in the discharge of the inspector's official duties, and to make any inspection or test that is reasonably necessary to protect the public health, safety, and welfare.

4. INSPECTION FEES

The applicant shall pay actual costs directly attributable to the installation inspection conducted by the County Engineer. Within thirty (30) days after completion of the installation, the County Engineer shall submit a statement for inspection services rendered. The applicant agrees to reimburse the county within thirty (30) days of billing.

5. REQUIREMENTS

The installation inspector shall assure that the following requirements have been met:

- A. Construction signing shall comply with the Manual on Uniform Traffic Control Devices
- B. Depth - (Add additional depth if ditch has silted to the thickness of the deposited silt.) The minimum depth of cover shall be as follows:

Telecommunications.....	36"	Electric.....	48"
Gas.....	48"	Water.....	60"
Sewer.....	60"		
- C. Minimum roadway overhead clearance for utility lines shall be 20 feet.
- D. The applicant shall use reference markers in the right-of-way (ROW) boundary to locate line and changes in alignment as required by the County Engineer. A permanent warning tape shall be placed one (1) foot above all underground utility lines.
- E. All tie line locations shall be marked with references located in the ROW line.
- F. No underground utility lines shall cross over a crossroad drainage structure without approval from the County Engineer.
- G. Residents along the utility route shall have uninterrupted access to the public roads. An all weather access shall be maintained for residents adjacent to the project.
- H. After construction, granular surfacing shall be added to the road by the applicant to restore the road to its original condition. After surfacing has been applied, the road surface shall be reviewed by the County Engineer once the road has been saturated, to determine if additional surfacing on the roadway by the applicant is necessary.
- I. All damaged areas within the ROW shall be repaired and restored to at least their former condition by the applicant or the cost of any repair work caused to be performed by the county will be assessed against the applicant.
- J. Areas disturbed during construction which present an erosion problem shall be solved by the applicant in a manner approved by the County Engineer.
- K. All trenches, excavations, and utilities that are knifed shall be properly tamped.
- L. All utilities shall be located between the bottom of the backslope and the bottom of the foreslope, unless otherwise approved in writing by the County Engineer prior to installation.
- M. Road crossing shall be bored. The depth below the road surface shall match the minimum depth of cover for the respective utility.

6. NON-CONFORMING WORK

The County Engineer may halt the installation at any time if the applicant's work does not meet the requirements set forth in this Utility Permit Application.

7. COUNTY INFRACTION

Violation of this permit is a county infraction under Iowa Code Section 331.307, punishable by a civil penalty of \$100 for each violation. Each day that a violation occurs or is permitted to exist by the applicant constitutes a separate offense.

8. HOLD HARMLESS

The utility company shall save this county harmless of any damages resulting from the applicant's operations. A copy of a certificate of insurance naming this county as an additional insured for the permit work shall be filed in the County Engineer's Office prior to installation. The minimum limits of liability under the insurance policy shall be \$1,000,000.

9. PERMIT REQUIRED

No applicant shall install any lines unless such applicant has obtained a Utility Permit from the County Engineer and has agreed in writing that said installation will comply with all ordinances and requirements of the county for such work. Applicants agree to hold the county free from liability for all damage to applicant's property which occurs proximately as a result of the applicant's failure to comply with said ordinances or requirements.

10. RELOCATION

The applicant shall, at any time subsequent to installation of utility lines, at the applicant's own expense, relocate or remove such lines as may become necessary to conform to new grades, alignment or widening of ROW resulting from maintenance or construction operations for highway improvements.

DATE: 3-9-2020 COMPANY: Interstate Power & Light Company / Alliant Energy
SIGNATURE: TONY VAUGHN, SENIOR MANAGER OPERATIONS Iowa Falls *[Signature]*

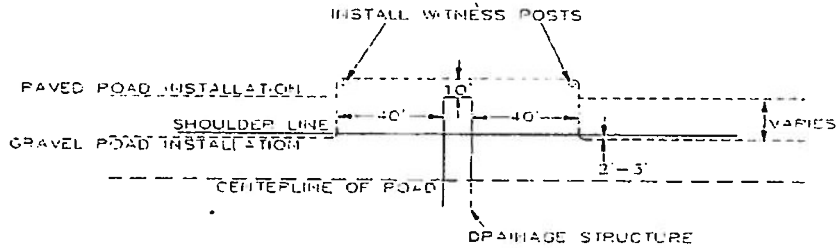
RECOMMENDED FOR APPROVAL:

DATE: _____ COUNTY ENGINEER

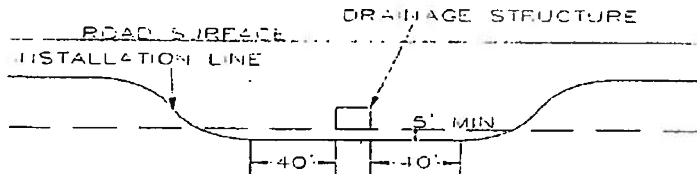
APPROVAL: _____

DATE: _____ CHAIRMAN, BOARD OF SUPERVISORS

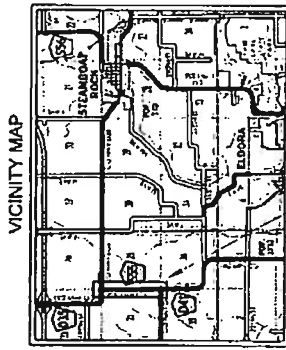
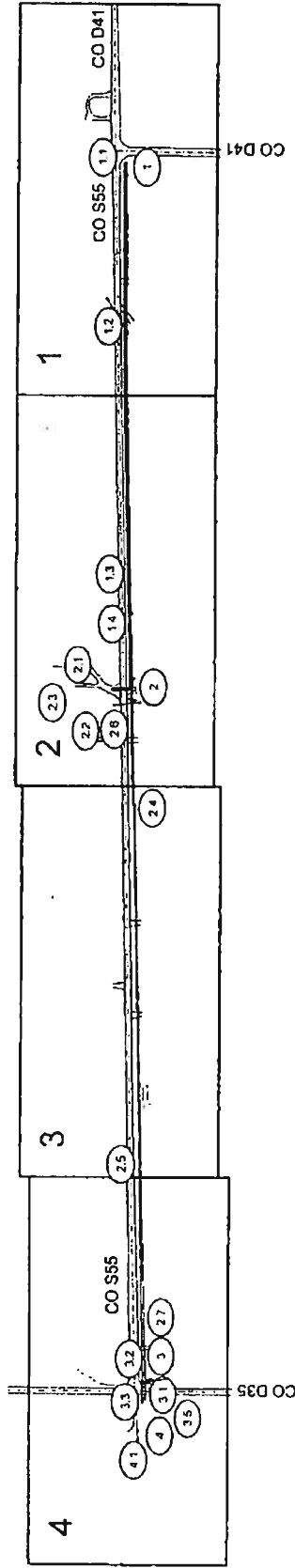
NON-BORED INSTALLATION DETAIL



BORED INSTALLATION DETAIL



UTILITIES SHOWN ON THIS PLAN ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EVERY LOCAL TOWN AND DEPT'S OF ALL UTILITIES FROM FIELD VERIFICATION AND DEPT'S OF ALL UTILITIES FROM COUNTY HEALTH DEPARTMENT. THE CONTRACTOR IS TO FOLLOW NEC CODE AND ALLIANT ENERGY IP. CONSTRUCTION STANDARDS AT ALL TIMES. GUYING, ANCHORING, POLE LOCATION AND CONDUCTOR ARE SHOWN TO REFLECT GENERAL REAL WORLD LOCATIONS AND DIRECTIONS AND SHOULD NOT BE INTERPRETED AS EXACT. SOME INTERFERED STRUCTURE LOCATIONS AND DIRECTIONS ARE MANIPULATED FOR DRAWING NEATNESS AND CLARITY. FIELD VERIFICATION IS REQUIRED PRIOR TO CONSTRUCTION. RIGHT OF WAY AND PARCELS ARE DEPICTED IN ACCORDANCE WITH AVAILABLE COUNTY GIS DATA.



PROJECT LOCATION

ALLIANT ENERGY HAS DIRECTED THAT ENGINEERING BEING TO THE LEVEL OF PROFESSIONAL ENGINEERING IS NOT REQUIRED OR INTENDED FOR THIS PLAN. A M.T.ECH ENGINEER DOES NOT REVIEW THE PLAN KEY INCLUDING ALL CALCULATIONS OR ANALYSIS FOR THE INTENT OF PROVIDING PROFESSIONAL ENGINEERING SERVICES. ALL PROFESSIONAL ENGINEERING OR DESIGN ISSUES OR QUESTIONS SHALL BE DIRECTED TO ALLIANT ENERGY. M.T.ECH WILL USE INDUSTRY STANDARDS FOR REVIEWS AND COMPLETION OF THE SCOPE OF SERVICES FOR ALLIANT ENERGY. ALLIANT ENERGY WORK REQUEST # 4175021

LINETYPES

REVIEWED	DATE
J.C.	11/13/2019
DRAWN BY	J.D.
DESIGNED BY	11/18/2019
DATE	11/18/2019
APPROVAL DATE	

SYMBOL LEGEND

- Ⓜ REVISIONS BY NO. REVISION DATE
- Ⓢ REVISIONS BY NO. REVISION DATE
- Ⓣ REVISIONS BY NO. REVISION DATE
- Ⓤ REVISIONS BY NO. REVISION DATE
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- Ⓤ REVISIONS BY NO. REVISION DATE

4175021

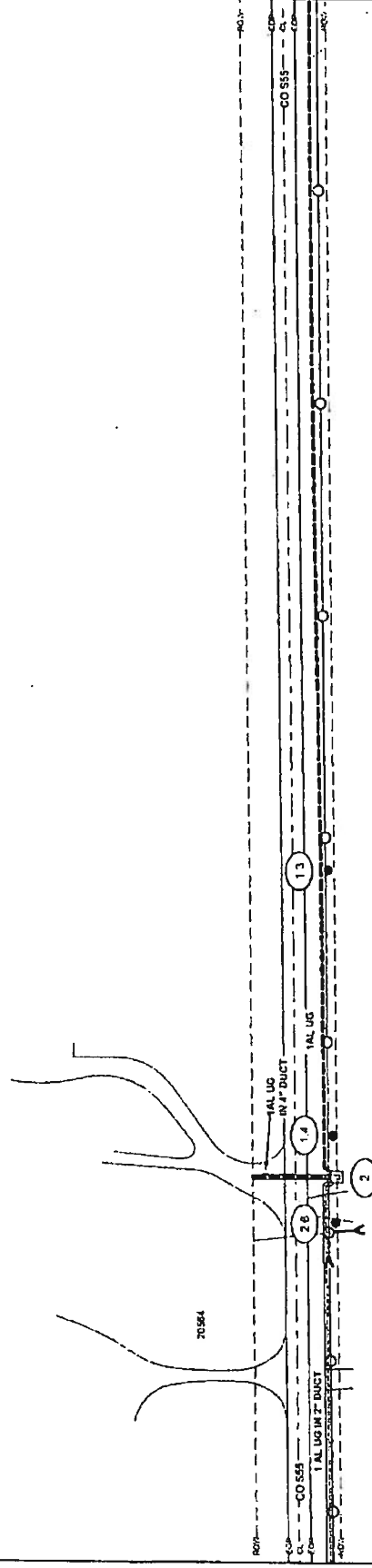
4175021		LOCATION
ELDORA, IA		



m-t-e-c-h

M.T.ECH ENGINEERING, INC.
1005 S. MAIN ST., SUITE 100
ELDORA, IA 52003

UTILITIES SHOWN ON THIS PLAN ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND DEPTHS OF ALL UTILITIES FROM FIELD VERIFICATION. FIELD VERIFICATION IS REQUIRED PRIOR TO CONSTRUCTION. RIGHT OF WAY AND PARCELS ARE DEPICTED IN ACCORDANCE WITH AVAILABLE COUNTY GIS DATA. CONTRACTOR IS TO FOLLOW NESC CODE AND ALLIANT ENERGY INC. CONSTRUCTION STANDARDS AT ALL TIMES. GUYING, ANCHORING, POLE LOCATION AND CONDUCTOR ARE SHOWN TO REFLECT GENERAL REAL WORLD LOCATIONS AND DIRECTION AND SHOULD NOT BE INTERPRETED AS SCALE. SOME UNDEGROUND STRUCTURES AND DIRECTION ARE MANIPULATED FOR DRAWING NEATNESS AND CLARITY. FIELD VERIFICATION IS REQUIRED PRIOR TO CONSTRUCTION. RIGHT OF WAY AND PARCELS ARE DEPICTED IN ACCORDANCE WITH AVAILABLE COUNTY GIS DATA.



ELIANT ENERGY HAS DIRECTED THAT ENGINEERING RISING TO THE LEVEL OF PROFESSIONAL ENGINEERING IS NOT REQUIRED OR INTENDED FOR THIS PLAN. A.B.T. ENGINEER DOES NOT REVIEW THE PLAN SET INCLUDING ALL CALCULATIONS OR ANALYSIS FOR THE INTENT OF PROVIDING PROFESSIONAL ENGINEERING SERVICES. ALL PROFESSIONAL ENGINEERING OR DESIGN ISSUES OR QUESTIONS SHALL BE DIRECTED TO ALLIANT ENERGY. NI-TECH WILL USE INDUSTRY STANDARDS FOR REVIEW AND COMPLETION OF THE SCOPE OF SERVICES FOR ALLIANT ENERGY.

ALLIANT ENERGY WORK PERMIT # 4175021

ELIANT ENERGY
 33
Aliant Energy

SECTION A/E
 11/13/2019
 J.S. J.S.
 11/13/2019
 J.S. J.S.
 11/18/2019
 J.S. J.S.

LOCATION: ELDORA, IA

PERMIT-1	PERMIT-2	PERMIT-3

SYMBOL LEGEND

- TRANSFORMER WITH INSULATED BUSHING
- TRANSFORMER WITH UNINSULATED BUSHING
- TRANSFORMER WITH INSULATED BUSHING
- TRANSFORMER WITH UNINSULATED BUSHING
- TRANSFORMER WITH UNINSULATED BUSHING
- TRANSFORMER WITH UNINSULATED BUSHING
- TRANSFORMER WITH UNINSULATED BUSHING
- TRANSFORMER WITH UNINSULATED BUSHING

LINETYPES

- 1" AL LUG IN 2" DUCT
- 1" AL LUG IN 4" DUCT
- CO SSS
- 1" AL LUG IN 2" DUCT
- 1" AL LUG IN 4" DUCT
- CO SSS
- 1" AL LUG IN 2" DUCT
- 1" AL LUG IN 4" DUCT
- CO SSS

ni-tech
 1125 13TH AVE SE
 SUITE 200
 DENVER, CO 80202



Utility Permit #2020-04

Utility Observation Report

General Information	
Project Name and Number:	Utility Crossing 6935.4
Drainage District Number:	#128
Drainage District Facility ID:	Laterals 1 & 3
Project Location: (1/4, Sec, Twp, Rng and road)	NW 25-88-20
Date of Observation:	10-29-2020
Observer Name/Title:	Chris Sweeney

Field Observations	
District facility type:	<input checked="" type="checkbox"/> Tile <input type="checkbox"/> Open Ditch Other:
Utility Orientation:	<input type="checkbox"/> Parallel <input checked="" type="checkbox"/> Crossing <input type="checkbox"/> Overhead <input type="checkbox"/> Over <input checked="" type="checkbox"/> Under <input type="checkbox"/> Same Elevation Other:
Source of utility elevation and/or location:	<input type="checkbox"/> Probed <input type="checkbox"/> Exposed <input checked="" type="checkbox"/> Utility Reported Other:
Utility Elevation:	Lat 3: 1098.6'
Source of district facility elevation and/or location:	<input type="checkbox"/> Probed <input checked="" type="checkbox"/> Exposed <input type="checkbox"/> Utility Reported Other:
District Facility Elevation: (include where measured)	Lat 3: 1099.1' (Flowline)
Vertical clearance from district facility: (must be greater than 1-foot for tile, and 5-feet for designed open ditch bottom)	Lat 3: ½ foot



Utility Permit #2020-04

Horizontal clearance from District Tile or Open Ditch centerline:	NA
Tile outlets within 25-feet relocated? (If applicable)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A
Original tile size & material:	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> SW HDPE <input type="checkbox"/> DW HDPE <input checked="" type="checkbox"/> VCP Other: Lat 3: 6"
Tile replaced by utility?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A
Tile replacement material:	<input type="checkbox"/> RCP <input type="checkbox"/> CMP <input checked="" type="checkbox"/> N/A Other:
Condition of District tile:	Existing VCP tile on Lat 3 in poor condition and possibly collapsed.
Signage present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A

Notes

No signage was observed at the time of site visit.

The Lateral 1 tile wasn't found by Heart of Iowa, so there is no information to report on said tile. Further investigation may be conducted if so desired by the District Trustees.

The clearance between the Lateral 3 tile and the utility reported location is only 1/2 foot, which is no guarantee that the District tile wasn't impacted as this clearance is solely based on a located depth, and not an exposed depth. It is recommended that the utility expose their line to definitively determine no damage was done to the district facility. The District Trustees may also request the utility to lower their installation.

A piece of the Lateral 3 tile was found to be broken in the observation excavation, with the VCP material in generally poor condition. CGA recommends an investigation into the condition of the tile in this area be conducted while the repair is being completed.

CONSTRUCTION ENGINEERING
OBSERVATION REPORT

DATE:

10-29-2020

PROJECT NUMBER:

6935.4

DAYS OF WEEK:

S M T W T F S

COUNTY, ROUTE, ROAD:

DD #128

SHEET NO.

1 OF 1

LOCATION:

~~DD~~ 35 +555

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

AZ ✓3

ARRIVED ON SITE AND LOCATOR WAS ON SITE, ALLIANT
ARRIVED ON SITE & WE STARTED LOCATING TILE

PIPE FL = 1099.06
DEPTH OF BORE = 1098.59

CLEARANCE = 0.47'

LOCATES IN
DITCH BOTTOM
ARE 4.2" - 6.2"
DEEP

389-349

342

341

11308

1307

ALLIANT ENERGY IN
DITCH BOTTOM

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

Observer's Signature:

Date Prepared:

Reviewed by:

Engineer

Date Reviewed

342



2020/10/29



2020/10/29

@342 Looking N.

Looking N, THROUGH
389-349



2020/10/29

6935 dd128 2020-10-29 cs

1,3618716.220,5034450.740,1112.480,GPS 8070
1_GNSS,3618716.220,5034450.740,1112.480,Autonomous Setup
2,3618431.652,5024119.946,1096.825,CPT IRS 3/4 .5DOWN
3,3618541.632,5024119.731,1101.936,SPK TOP6X6 SE GUARDRAILEND
4,3616008.561,5024081.184,1067.548,T PST .2UP
5,3616008.785,5024080.851,1067.040,WCP W S
6,3616030.079,5023952.479,1054.201,FL TILE
7,3616025.718,5023946.227,1058.608,GS FL
8,3616012.070,5023944.425,1058.608,INTK RISER 6"STEEL
9,3616232.193,5024081.348,1059.209,INTK RISER 6"PLASTIC
10,3616262.864,5024094.402,1059.400,FL CMP6'ELIPT
11,3616316.825,5024131.090,1067.362,(O) IN 8/3/06 NE CONC PARA
12,3613379.518,5022353.385,1054.663,FL RCB(8X5.3)DOUBLE
13,3613024.649,5022139.613,1053.096,GS FL
14,3612789.096,5022029.961,1053.166,GS FL
15,3612371.788,5021990.910,1053.057,GS FL
16,3612064.010,5021950.352,1052.724,GS FL
17,3611859.787,5021902.019,1053.261,GS FL
18,3611543.792,5021573.965,1052.694,GS FL
19,3611524.781,5021502.129,1052.382,FNC N S
20,3611487.914,5021501.370,1051.329,GS FL
21,3611225.628,5021165.745,1050.379,GS FL
22,3611007.524,5020844.512,1050.177,GS FL
23,3610734.176,5020806.234,1049.023,GS FL
24,3610615.852,5020935.412,1047.663,GS FL
25,3610426.190,5021111.354,1047.195,GS FL
26,3610407.436,5021099.635,1043.215,FL+- 24"TILE BLOWOUT
27,3610411.782,5021101.814,1047.723,GS
28,3610102.044,5021521.828,1043.524,TOP CONC HEADWALL
29,3610102.207,5021522.289,1039.293,FL TILE
30,3610119.806,5021455.149,1041.478,FL TILE26"
31,3610129.122,5021521.122,1045.777,FNC
32,3610772.063,5021515.618,1052.609,SCF ALUMNCAP19957
33,3604123.029,5025260.423,1041.397,GPS MON8060
34,3604166.072,5024352.095,1031.310,CLDD1 CLBRIDGE
35,3602869.484,5024249.875,1029.465,TB RR C+CN
36,3602857.888,5024234.131,1029.474,TB RR C+CN
37,3602824.513,5024260.745,1030.270,TB RR C+CN
38,3602837.122,5024273.538,1030.300,TB RR C+CN
39,3603037.456,5024316.434,1021.884,TB
40,3602786.986,5024233.137,1021.786,WCP RR RW
41,3602836.531,5024233.675,1026.252,CMP TOP
42,3602866.997,5024262.455,1027.021,CMP TOP
43,3602877.186,5024270.009,1016.870,FL CMP +-
44,3603033.773,5024323.545,1017.091,WO
45,3603016.509,5024312.423,1021.350,TB
46,3602969.034,5024307.050,1014.990,1+00 FL
47,3603170.097,5024306.158,1016.013,3+00 FL
48,3603175.772,5024311.181,1018.432,TOP PLASTIC TILE

49,3603266.305,5024303.820,1022.572,TB
50,3603351.889,5024222.437,1016.730,5+00 FL
51,3603543.569,5024165.948,1017.381,7+00 FL
52,3603676.000,5024187.922,1023.894,TB
53,3603681.997,5024190.676,1021.786,W0
54,3603689.617,5024184.783,1023.851,TB
55,3603741.371,5024148.940,1017.206,9+00 FL
56,3603865.811,5024082.401,1017.735,10+40
57,3603906.609,5024126.531,1017.535,11+00 FL
58,3604046.339,5024281.771,1019.286,13+00 FL
59,3604182.458,5024334.867,1028.926,NW BRDG ABUT
60,3604231.661,5024356.869,1018.003,15+00 fl
61,3604426.761,5024313.330,1019.392,17+00 fl
62,3604617.824,5024253.977,1020.614,19+00 fl
63,3604786.546,5024146.644,1021.556,21+00 fl
64,3604960.753,5024048.267,1021.371,23+00 fl
65,3605117.667,5023924.432,1021.654,25+00 fl
66,3605296.917,5023836.072,1021.865,27+00 fl
67,3605462.279,5023723.526,1023.437,29+00 fl
68,3605642.640,5023636.848,1023.002,31+00 fl
69,3605815.415,5023536.009,1023.599,33+00 fl
70,3605977.599,5023419.077,1023.853,35+00 fl
71,3606163.462,5023345.120,1024.165,37+00 fl
72,3606356.228,5023292.286,1026.285,39+00 fl
73,3606551.309,5023247.561,1026.265,41+00 fl
74,3606737.078,5023173.170,1026.901,43+00 fl
75,3606937.035,5023177.772,1027.931,45+00 fl
76,3607136.939,5023187.644,1027.271,47+00 fl
77,3607336.513,5023175.893,1028.975,49+00 fl
78,3607531.320,5023129.884,1028.556,51+00 fl
79,3607724.100,5023076.358,1028.828,53+00 fl
80,3607919.441,5023033.739,1031.569,55+00 fl
81,3608085.549,5022922.371,1031.553,57+00 fl
82,3608285.513,5022914.666,1032.125,59+00 fl
83,3608471.791,5022842.074,1033.081,61+00 fl
84,3608669.663,5022813.233,1034.133,63+00 fl
85,3608843.076,5022713.615,1033.579,65+00 fl
86,3608971.040,5022559.939,1034.393,67+00 fl
87,3609109.349,5022415.417,1036.096,69+00 fl
88,3609244.760,5022268.451,1036.798,71+00 fl
89,3609407.514,5022152.168,1036.012,73+00 fl
90,3609580.076,5022050.948,1036.305,75+00 fl
91,3609746.796,5021940.532,1037.227,77+00 fl
92,3609875.131,5021787.131,1039.328,79+00 fl
93,3609986.501,5021621.091,1039.325,81+00 fl
94,3613446.612,5022372.187,1052.897,fl
95,3613537.401,5022414.253,1054.313,fl
96,3613624.372,5022463.677,1054.146,fl
97,3613623.231,5022465.419,1055.155,gs

98,3613711.941,5022511.979,1054.764,fl
99,3613711.415,5022513.172,1055.434,gs
100,3613800.740,5022558.173,1055.150,fl
101,3613799.799,5022559.795,1055.654,gs
102,3613888.796,5022605.546,1055.062,fl
103,3613887.538,5022607.830,1056.018,gs
104,3613974.241,5022657.631,1055.440,fl
105,3614061.194,5022707.232,1055.845,fl
106,3614146.556,5022759.400,1056.194,fl
107,3614229.577,5022815.155,1055.954,fl
108,3614313.034,5022870.434,1056.390,fl
109,3614397.579,5022924.005,1056.214,fl
110,3614482.166,5022977.426,1056.770,fl
111,3614564.800,5023033.847,1056.791,fl
112,3614606.704,5023124.605,1056.645,fl
113,3614651.686,5023213.982,1056.860,fl
114,3614694.210,5023304.526,1058.227,fl
115,3614761.855,5023378.266,1057.432,fl
116,3614853.484,5023418.452,1058.283,fl
117,3614948.869,5023448.473,1059.187,fl
118,3615045.459,5023474.499,1059.694,fl
119,3615144.965,5023484.939,1058.174,fl
120,3615242.625,5023506.479,1058.022,fl
121,3615337.942,5023536.850,1058.083,fl
122,3615430.592,5023574.559,1058.105,fl
123,3615521.378,5023616.526,1058.278,fl
124,3615604.591,5023672.053,1058.413,fl
125,3615687.025,5023728.518,1058.389,fl
126,3615770.027,5023784.114,1058.367,fl
127,3615854.060,5023838.412,1058.734,fl
128,3615937.492,5023893.406,1058.647,fl
129,3616024.075,5023943.426,1058.557,fl
130,3616110.969,5023992.810,1059.102,fl
131,3616195.054,5024047.085,1060.002,fl
132,3613417.714,5022362.151,1062.143,n headwall rcb
133,3613446.718,5022414.624,1058.447,gs
134,3613456.845,5022398.463,1057.858,gs
135,3613464.293,5022387.091,1056.148,tb
136,3613466.576,5022382.874,1054.239,toe
137,3613467.998,5022380.798,1053.886,fl
138,3613469.517,5022377.887,1054.110,toe
139,3613470.582,5022375.908,1056.542,tb
140,3613474.621,5022370.255,1057.624,gs
141,3613479.706,5022362.306,1058.431,gs
142,3613500.287,5022330.042,1058.502,gs
143,3613583.767,5022385.259,1058.421,gs
144,3613573.179,5022404.493,1057.745,gs
145,3613570.168,5022410.259,1057.412,gs
146,3613565.634,5022418.794,1057.420,tb

147,3613562.293,5022424.172,1055.761,gs
148,3613560.531,5022427.504,1054.220,toe
149,3613559.524,5022428.933,1054.628,gs fl
150,3613558.500,5022431.059,1054.179,toe
151,3613556.946,5022433.619,1056.284,gs
152,3613550.195,5022445.720,1058.561,tb
153,3613535.431,5022472.857,1060.483,gs
154,3613622.592,5022521.775,1060.263,gs
155,3613632.358,5022502.569,1059.153,gs
156,3613637.461,5022492.232,1059.006,tb
157,3613641.868,5022484.221,1057.154,gs
158,3613644.945,5022477.741,1055.392,toe
159,3613646.738,5022474.690,1055.506,gs cl
160,3613647.842,5022472.456,1055.101,toe
161,3613649.444,5022468.489,1057.203,gs
162,3613653.120,5022461.933,1058.272,tb
163,3613659.750,5022449.392,1057.807,gs
164,3613668.047,5022432.646,1057.979,gs
165,3613755.990,5022480.381,1058.251,gs
166,3613737.866,5022509.078,1058.237,tb
167,3613733.131,5022516.091,1057.035,gs
168,3613730.847,5022519.628,1054.975,toe
169,3613730.333,5022520.533,1054.679,gs cl
170,3613729.727,5022520.963,1055.046,toe
171,3613729.342,5022522.030,1055.745,gs
172,3613727.338,5022525.380,1056.298,gs
173,3613724.567,5022529.538,1058.611,tb
174,3613719.001,5022538.385,1058.617,gs
175,3613702.156,5022564.796,1060.370,gs
176,3613789.341,5022613.707,1059.554,gs
177,3613805.844,5022585.197,1058.923,gs
178,3613806.682,5022583.438,1059.354,tb
179,3613810.915,5022576.092,1058.355,gs
180,3613813.572,5022571.412,1055.495,toe
181,3613815.224,5022568.442,1055.148,gs cl
182,3613816.208,5022567.518,1054.703,toe
183,3613818.162,5022563.359,1056.843,gs
184,3613823.212,5022555.068,1058.520,tb
185,3613831.414,5022540.427,1058.550,gs
186,3613839.375,5022527.053,1058.639,gs
187,3613927.194,5022574.891,1059.060,gs
188,3613915.149,5022594.402,1058.822,gs
189,3613909.717,5022602.863,1058.970,tb
190,3613907.144,5022606.836,1058.132,gs
191,3613904.218,5022611.549,1056.741,gs
192,3613903.077,5022613.341,1055.159,toe
193,3613901.480,5022616.020,1055.641,gs cl
194,3613899.627,5022618.907,1055.523,toe
195,3613898.106,5022621.823,1056.886,gs

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196,3613892.274,5022631.821,1059.093,tb
197,3613888.496,5022637.044,1058.328,gs
198,3613874.333,5022659.762,1059.490,gs
199,3613962.021,5022707.987,1060.092,gs
200,3613973.951,5022684.556,1058.271,gs
201,3613976.387,5022679.846,1058.509,gs
202,3613977.248,5022678.327,1059.056,tb
203,3613981.148,5022670.422,1057.625,gs
204,3613983.178,5022666.460,1055.832,toe
205,3613984.138,5022663.825,1055.616,gs cl
206,3613986.130,5022660.431,1055.436,toe
207,3613987.355,5022657.111,1057.543,gs
208,3613991.987,5022647.685,1059.308,tb
209,3613995.568,5022641.853,1059.005,gs
210,3614007.539,5022618.813,1059.503,gs
211,3614094.368,5022668.662,1059.921,gs
212,3614076.955,5022695.246,1059.930,tb
213,3614071.891,5022703.945,1058.064,gs
214,3614069.716,5022706.984,1055.983,toe
215,3614068.346,5022709.132,1055.829,gs cl
216,3614067.234,5022710.921,1055.301,toe
217,3614065.177,5022714.041,1056.606,gs
218,3614062.405,5022718.516,1058.238,gs
219,3614056.641,5022726.801,1059.344,tb
220,3614055.576,5022728.536,1058.666,gs
221,3614039.913,5022752.677,1059.992,gs
222,3614124.338,5022806.509,1059.470,gs
223,3614134.260,5022789.610,1059.029,gs
224,3614140.430,5022778.681,1059.447,tb
225,3614144.752,5022770.918,1058.370,GS
226,3614146.814,5022767.408,1057.387,gs
227,3614148.513,5022764.793,1056.116,toe
228,3614150.191,5022762.374,1056.149,gs cl
229,3614151.477,5022759.418,1056.047,toe
230,3614153.012,5022755.845,1058.086,gs
231,3614161.297,5022742.410,1060.303,tb
232,3614174.511,5022719.965,1060.452,gs
233,3614261.181,5022770.018,1060.976,gs
234,3614247.616,5022792.747,1060.585,tb
235,3614239.513,5022806.908,1058.881,gs
236,3614235.809,5022812.345,1057.774,gs
237,3614234.830,5022814.786,1055.407,toe
238,3614233.250,5022818.015,1056.505,gs cl
239,3614231.769,5022820.157,1055.582,toe
240,3614229.457,5022823.589,1057.360,gs
241,3614227.505,5022826.668,1058.833,tb
242,3614221.642,5022836.547,1059.109,gs
243,3614209.727,5022855.892,1059.438,gs
244,3614292.616,5022911.935,1060.136,gs

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245,3614304.733,5022895.535,1059.570,gs
246,3614309.090,5022889.730,1059.682,tb
247,3614314.490,5022882.686,1058.806,gs
248,3614317.830,5022878.200,1055.656,toe
249,3614319.200,5022876.024,1056.485,gs cl
250,3614320.327,5022874.223,1056.157,toe
251,3614322.340,5022870.871,1057.512,gs
252,3614340.063,5022847.844,1061.279,tb
253,3614352.190,5022831.428,1061.531,gs
254,3614436.858,5022884.785,1062.200,gs
255,3614424.567,5022901.918,1061.626,tb
256,3614413.327,5022917.061,1059.279,gs
257,3614407.794,5022925.562,1057.999,gs
258,3614406.420,5022926.944,1056.077,toe
259,3614404.618,5022929.327,1057.148,gs cl
260,3614403.683,5022931.087,1057.083,toe
261,3614400.226,5022936.670,1058.476,gs
262,3614397.245,5022941.238,1059.976,gs
263,3614390.880,5022947.339,1060.706,tb
264,3614377.798,5022965.790,1060.975,gs
265,3614460.009,5023022.989,1061.449,gs
266,3614470.041,5023008.993,1060.998,gs
267,3614473.644,5023004.385,1061.263,tb
268,3614480.015,5022994.683,1060.303,gs
269,3614484.158,5022989.920,1058.364,gs
270,3614487.724,5022985.116,1057.554,gs
271,3614489.238,5022983.053,1056.187,toe
272,3614489.883,5022980.299,1056.285,gs cl
273,3614491.199,5022976.672,1057.271,toe
274,3614496.712,5022971.100,1059.672,gs
275,3614506.698,5022957.238,1062.426,tb
276,3614518.076,5022941.268,1063.159,gs
277,3614793.137,5017453.571,1128.882,IRS CPT 3/4X2
278,3614755.640,5017503.159,1130.143,SMN
279,3614777.412,5017543.471,1127.177,IRF 5/8
280,3614486.383,5017534.165,1116.600,FL CMP3.5
281,3614486.584,5017535.769,1117.325,INTK BEEHIVE
282,3614485.144,5017542.985,1117.754,GS
283,3614489.231,5017549.972,1117.028,GS
284,3614500.882,5017550.380,1118.968,FNL
285,3614492.791,5017537.387,1119.079,UGFO
286,3614512.071,5017537.903,1118.918,UGFO
287,3614447.966,5017538.181,1118.710,UGFO
288,3614459.648,5017549.426,1119.268,UGFO
289,3614456.756,5017549.895,1119.370,FNL
290,3614484.327,5017555.147,1116.887,GS INTK
291,3614485.966,5017562.384,1120.967,GS TOP TERRACE
292,3614509.894,5017561.105,1120.524,GS TOP TERRACE
293,3614536.302,5017558.794,1120.205,GS TOP TERRACE

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294,3614462.082,5017560.072,1121.028,GS TOP TERRACE
295,3614426.463,5017557.598,1120.043,GS TOP TERRACE
296,3614520.249,5017575.670,1116.570,GS FL
297,3614533.640,5017617.599,1115.886,GS FL
298,3614543.294,5017646.644,1115.541,GS FL
299,3614580.462,5017675.850,1115.068,GS FL
300,3614612.508,5017727.884,1114.068,GS FL SUCKHOLE
301,3614628.569,5017767.884,1113.968,GS FL
302,3614640.280,5017794.549,1113.792,GS FL ROCK PILE
303,3614641.234,5017842.018,1112.817,GS FL
304,3614642.396,5017910.589,1112.408,GS FL
305,3614602.790,5017982.276,1111.999,GS FL
306,3614557.938,5018047.642,1110.957,GS FL
307,3614504.449,5018110.170,1109.727,GS FL
308,3614492.817,5018162.958,1109.117,GS INTK
309,3614497.599,5018098.934,1109.880,GS
310,3614506.553,5018039.945,1111.156,GS
311,3614517.509,5017941.838,1113.255,GS
312,3614517.570,5017855.638,1115.551,GS
313,3614509.646,5017783.273,1118.531,GS
314,3614494.193,5017717.020,1118.264,GS
315,3614477.850,5017644.339,1117.487,GS
316,3614469.510,5017600.140,1117.120,GS
317,3614484.836,5018385.593,1105.146,GS SUCK HOLE
318,3614475.159,5018419.634,1104.775,GS SUCK HOLE
319,3614234.627,5018801.265,1096.455,OUTLET AREA DD128
320,3614234.717,5018798.718,1095.082,OUTLET 5"CLAY
321,3614236.953,5018799.160,1095.722,OUTLET 6"CLAY
322,3613705.040,5019316.964,1085.078,GS INTKE STEEL
323,3613867.625,5019183.632,1088.217,GS FL
324,3613878.602,5019066.952,1088.414,GS FL
325,3613967.430,5018895.964,1088.501,GS FL
326,3614220.187,5018811.932,1095.639,CMP 15"TOP
327,3614236.184,5018795.561,1096.045,CMP 15"TOP
328,3614248.007,5018783.000,1096.608,CMP 15"TOP
329,3614240.855,5018775.910,1095.827, TOP 5"CLAY
330,3614249.648,5018780.584,1096.897, TOP 6"CLAY
331,3614604.344,5017736.928,1112.157, TOP 6"CONC MAIN
332,3614606.204,5017734.003,1112.860, TOP 6"CONC LAT
333,3614476.244,5018420.001,1102.297, TOP 6"CONC
334,3614476.904,5018417.629,1102.362, TOP 6"CLAY
335,3614245.529,5018833.767,1102.355,CPT 1/2IRS
336,3614437.206,5018503.348,1100.680,CMP TOP 8"
337,3614437.421,5018501.016,1104.109,GS
338,3614441.511,5018530.021,1103.543,FL SWALE
339,3614462.549,5018476.922,1104.027,FL SWALE
340,3614450.011,5018498.877,1103.816,FL SWALE
341,3613340.690,5018791.043,1099.057,963 6
342,3613345.487,5018785.269,1101.922,915 -3'4"

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343,3612491.169,5018802.418,1109.219,915 -4'5"
344,3612464.931,5018802.463,1109.758,915 -4'3"
345,3612424.884,5018803.747,1110.342,915 -4'9"
346,3612386.732,5018804.023,1111.124,915 -5'2"
347,3612386.706,5018804.210,1111.156,915 -5'2"
348,3612340.266,5018804.309,1111.990,915 -4'6"
349,3612279.979,5018804.328,1113.284,915 -4'2"
350,3614220.014,5018811.967,1095.417,cmp 15" top 1.23' to fl
351,3614213.305,5018811.852,1093.724,toe
352,3614216.867,5018809.509,1094.039,toe
353,3614220.698,5018808.924,1094.278,toe
354,3614221.229,5018811.862,1093.924,toe
355,3614221.468,5018816.374,1093.934,toe
356,3614220.324,5018823.641,1094.283,toe
357,3614213.736,5018825.482,1094.044,toe
358,3614208.588,5018814.750,1093.675,toe
359,3614210.258,5018817.890,1093.374,fl ditch
360,3614216.948,5018814.257,1093.291,fl ditch
361,3614215.560,5018814.870,1093.560,fl ditch
362,3614218.096,5018813.634,1093.721,fl ditch
363,3614219.924,5018812.120,1093.524,fl ditch
364,3614209.900,5018802.186,1097.828,gs boulders/dirt
365,3614198.048,5018791.226,1100.862,TB
366,3614175.333,5018770.209,1102.698,gs grass
367,3614167.586,5018757.459,1104.905,gs grass
368,3614161.371,5018748.735,1105.311,shed e side
368_REF1,3614160.939,5018749.637,1105.151,Ref. Pt.
368_REF2,3614162.296,5018749.115,1104.872,Ref. Pt.
369,3614220.970,5018813.416,1093.879,fl ditch
370,3614223.085,5018814.961,1094.157,toe
371,3614224.420,5018816.904,1095.637,gs boulders/dirt
372,3614228.000,5018818.739,1096.310,gs boulders
373,3614233.702,5018821.342,1099.053,gs boulders
374,3614243.132,5018833.163,1101.554,tb
375,3614246.162,5018835.781,1102.236,gs grass/field
376,3614265.142,5018851.528,1102.680,gs field
377,3614302.253,5018877.566,1104.371,gs field
378,3614330.610,5018832.122,1104.358,gs field
379,3614292.704,5018801.730,1102.522,gs field
380,3614255.590,5018772.849,1101.286,gs field
381,3614249.291,5018770.613,1101.332,gs grass/field
382,3614224.746,5018746.015,1101.885,gs grass
383,3614202.845,5018734.767,1104.703,gs grass
384,3614193.417,5018727.133,1105.093,gs grass
385,3614190.939,5018727.463,1104.979,gs grass
386,3614189.947,5018727.596,1105.173,shed n side
387,3612510.895,5018803.999,1108.937,915 -4'10"
388,3612590.727,5018809.455,1109.278,915 -4'9"
389,3612666.330,5018805.331,1107.725,915 -6'2"

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390,3614192.178,5018744.539,1104.869,shed ne cor
390_REF1,3614192.380,5018745.518,1104.897,Ref. Pt.
390_REF2,3614193.175,5018744.468,1104.841,Ref. Pt.
391,3614199.801,5018751.307,1104.465,gs grass
392,3614213.868,5018760.874,1102.454,gs grass
393,3614221.382,5018781.294,1100.979,gs
394,3614220.864,5018797.864,1098.687,gs
395,3614224.861,5018803.931,1098.074,gs
396,3614229.342,5018796.410,1099.432,gs
397,3614227.619,5018806.769,1098.071,gs
398,3614230.982,5018805.919,1098.012,gs
399,3614233.740,5018807.543,1099.111,gs
400,3614233.124,5018812.658,1099.092,gs
401,3614229.172,5018812.645,1097.645,gs
402,3614225.088,5018808.717,1096.414,gs
403,3614223.968,5018809.308,1095.007,gs
404,3614221.748,5018806.335,1095.551,gs
405,3614220.464,5018808.103,1095.053,gs
406,3614243.983,5018814.285,1101.414,tb
407,3614250.215,5018813.824,1101.815,gs grass/field
408,3614251.908,5018792.021,1101.396,gs grass/field
409,3614254.376,5018780.175,1101.182,gs grass/field
410,3614252.419,5018776.561,1100.234,gs
411,3614247.377,5018784.832,1099.280,gs
412,3614242.594,5018794.341,1099.001,gs
413,3614237.899,5018798.182,1098.503,gs
414,3614245.585,5018801.264,1101.164,gs
415,3614247.601,5018788.822,1101.393,gs
416,3614252.943,5018781.032,1101.169,gs
417,3614253.550,5018775.188,1101.136,gs
418,3614247.096,5018773.354,1101.326,gs
419,3614240.492,5018771.574,1100.358,gs
420,3614235.321,5018769.850,1101.546,gs
421,3614240.562,5018767.875,1101.375,gs
422,3614237.385,5018787.277,1100.497,gs
423,3614243.598,5018782.977,1100.264,gs
424,3614244.140,5018781.716,1099.585,gs
425,3614245.209,5018778.198,1100.746,gs
426,3614244.097,5018840.280,1101.823,sfp
427,3614235.150,5018848.834,1101.073,sfp
428,3614211.326,5018862.179,1100.060,sfp
429,3614184.937,5018873.383,1100.127,sfp
430,3614151.920,5018881.641,1100.161,sfp
431,3614122.307,5018881.494,1099.334,sfp
432,3614219.460,5018852.545,1099.652,conc broken se cor
433,3614216.516,5018847.195,1098.386,conc broken sw cor
434,3614228.667,5018833.855,1098.640,conc broken ww cor
435,3614238.279,5018838.148,1100.537,conc broken ne cor
436,3614227.695,5018845.076,1100.006,shrub

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437,3614192.851,5018859.949,1098.101,trd 6
438,3614192.297,5018859.522,1098.101,trd 6
439,3614202.387,5018821.495,1093.433,toe
440,3614203.856,5018822.673,1093.286,fl ditch
441,3614149.342,5018814.331,1100.444,gs dead tree pile
442,3614172.525,5018797.355,1101.338,gs dead tree pile
443,3614196.579,5018785.507,1101.347,gs dead tree pile
444,3614205.529,5018791.776,1100.061,gs dead tree pile
445,3614194.832,5018813.762,1097.337,gs dead tree pile
446,3614185.844,5018829.195,1095.087,gs dead tree pile
447,3614165.016,5018829.127,1097.560,gs dead tree pile
448,3614177.953,5018825.939,1099.185,trd 10"
448_REF1,3614177.365,5018823.509,1099.326,Ref. Pt.
448_REF2,3614175.509,5018825.412,1099.044,Ref. Pt.
449,3614201.381,5018819.366,1095.346,gs
450,3614205.320,5018825.113,1093.686,toe
451,3614205.495,5018826.900,1095.448,gs
452,3614209.038,5018826.794,1095.487,gs
453,3614209.846,5018824.968,1093.607,toe
454,3614219.184,5018836.516,1096.886,gs
455,3614224.600,5018854.973,1100.443,tb
456,3614238.588,5018844.648,1101.108,tb
457,3614241.490,5018848.025,1101.755,gs grass/field
458,3614219.570,5018862.248,1100.759,gs grass/field
459,3614191.861,5018839.415,1095.203,gs
460,3614190.770,5018837.907,1093.103, toe
461,3614189.382,5018835.486,1093.208,toe
462,3614188.402,5018833.235,1094.976,gs
463,3614185.528,5018828.480,1095.192,gs
464,3614175.493,5018838.337,1093.776,gs
465,3614175.554,5018838.939,1092.798,toe
466,3614176.587,5018840.990,1092.657,toe
467,3614177.970,5018844.141,1095.062,gs
468,3614185.314,5018857.109,1096.395,gs
469,3614188.136,5018863.754,1097.966,gs
470,3614191.802,5018867.824,1099.628,tb
471,3614194.740,5018873.613,1100.393,gs grass/field
472,3614175.919,5018840.174,1093.018,fl ditch
473,3614211.571,5018901.999,1102.366,gs field
474,3614236.388,5018933.422,1104.626,gs field
475,3614171.209,5018833.734,1095.554,gs grass
476,3614158.169,5018819.218,1100.231,tb
477,3614151.759,5018806.719,1101.146,gs grass
478,3614132.682,5018781.962,1102.194,gs grass
479,3614123.038,5018771.819,1103.722,gs grass
480,3614110.060,5018760.309,1104.932,gs grass
481,3614108.147,5018755.799,1104.889,shed e side
481_REF1,3614107.107,5018758.613,1104.794,Ref. Pt.
481_REF2,3614109.840,5018758.276,1104.985,Ref. Pt.

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482,3614098.175,5018791.630,1101.480,gs pile branches & stalks
483,3614118.746,5018794.728,1101.270,gs pile branches & stalks
484,3614126.087,5018804.493,1100.493,gs pile branches & stalks
485,3614120.059,5018809.808,1099.867,gs pile branches & stalks
486,3614105.250,5018809.618,1099.736,gs pile branches & stalks
487,3614094.496,5018805.716,1099.992,gs pile branches & stalks
488,3614078.656,5018818.897,1095.527,gs tree area
489,3614104.021,5018836.731,1094.134,gs tree area
490,3614112.849,5018849.981,1092.468,gs tree area
491,3614155.895,5018839.631,1094.987,gs tree area
492,3614154.219,5018832.280,1095.570,gs tree area
493,3614136.229,5018823.100,1098.695,gs tree area
494,3614101.506,5018810.744,1099.113,gs tree area
495,3614046.947,5018848.852,1093.362,gs tree area
496,3614058.668,5018840.907,1093.523,gs tree area
497,3614090.546,5018852.808,1093.709,gs tree area
498,3614149.694,5018865.151,1094.959,gs tree area
499,3614152.435,5018878.655,1099.947,gs tree area
500,3614118.000,5018879.233,1099.166,gs tree area
501,3614071.385,5018865.856,1097.398,gs tree area
502,3614045.967,5018865.054,1096.145,gs tree area
503,3614043.289,5018872.698,1096.516,sfp
504,3614063.659,5018871.770,1097.331,sfp
505,3614084.601,5018873.050,1098.188,sfp
506,3614160.743,5018854.060,1095.008,wfp 10"
507,3614159.149,5018850.325,1094.466,wfp 10"
508,3614156.777,5018849.112,1093.990,wfp 10"
509,3614161.614,5018847.305,1094.020,wfp 6"
510,3614160.310,5018842.165,1093.128,wfp 12"
511,3614161.289,5018842.185,1094.808,wood plank se cor 3" wide
512,3614160.874,5018839.867,1094.751,wood plank s side 3" wide
513,3614160.096,5018836.330,1095.069,wfp 12" nside
514,3614154.979,5018840.130,1094.623,wfp 8" nside
515,3614161.719,5018834.666,1095.371,trd 3"
516,3614163.059,5018837.556,1094.999,gs boulder pile
517,3614163.448,5018831.803,1096.108,gs boulder pile
518,3614155.907,5018831.270,1096.036,gs boulder pile
519,3614155.419,5018837.094,1094.741,gs boulder pile
520,3614167.302,5018842.788,1094.209,gs
521,3614167.931,5018843.473,1092.595,toe / fl
522,3614168.695,5018845.006,1092.963,fl ditch
523,3614169.392,5018846.392,1093.147,toe
524,3614169.610,5018848.280,1094.935,gs
525,3614162.676,5018848.113,1094.066,gs
526,3614161.760,5018846.503,1092.920,toe
527,3614160.595,5018844.481,1092.202,fl ditch
528,3614160.793,5018840.870,1092.402,toe
529,3614160.593,5018839.934,1094.583,gs
530,3614163.478,5018863.481,1094.792,gs

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531,3614164.728,5018870.158,1097.263,gs
532,3614166.137,5018875.712,1099.904,tb
533,3614157.340,5018835.868,1094.928,gs
534,3614156.637,5018828.967,1096.604,gs
535,3614148.425,5018822.065,1099.244,tb
536,3614128.094,5018844.143,1094.148,gs
537,3614128.587,5018846.530,1092.991,toe
538,3614129.081,5018849.097,1092.779,fl ditch
539,3614129.766,5018851.646,1093.128,toe
540,3614130.084,5018853.312,1093.883,gs
541,3614131.692,5018838.397,1094.688,gs
542,3614129.765,5018832.793,1096.673,gs
543,3614131.315,5018822.087,1098.735,tb
544,3614129.454,5018809.615,1100.141,gs
545,3614128.345,5018868.189,1094.865,gs
546,3614126.323,5018878.308,1099.350,tb
547,3614127.878,5018884.895,1099.827,gs grass/field
548,3614128.468,5018911.619,1101.938,gs field
549,3614131.051,5018959.855,1105.321,gs field
550,3614093.482,5018969.602,1104.469,gs field
551,3614086.066,5018929.663,1101.464,gs field
552,3614080.169,5018889.827,1099.073,gs field
553,3614077.517,5018878.049,1098.439,gs field/grass
554,3614080.671,5018862.515,1097.538,tb
555,3614079.677,5018842.651,1092.682,boulder top 2.5'od
556,3614085.707,5018843.612,1092.732,gs
557,3614085.520,5018844.314,1091.186,toe
558,3614084.312,5018845.821,1090.947,fl ditch
559,3614084.604,5018847.815,1091.308,toe
560,3614081.963,5018847.829,1093.005,GS
561,3614081.804,5018824.055,1093.759,GS
562,3614077.839,5018806.512,1099.597,tb
563,3614076.146,5018792.794,1101.290,gs
564,3614070.899,5018764.293,1104.667,gs
565,3614067.082,5018747.445,1104.889,gs
566,3614071.529,5018747.886,1104.910,shed s side
566_REF1,3614068.556,5018747.487,1104.938,Ref. Pt.
566_REF2,3614069.078,5018749.615,1104.883,Ref. Pt.
567,3614073.022,5018760.289,1105.005,shed se cor
567_REF1,3614073.327,5018761.241,1105.084,Ref. Pt.
567_REF2,3614072.038,5018760.469,1104.926,Ref. Pt.
568,3614067.444,5018828.862,1092.943,gs
569,3614066.546,5018830.059,1090.713,toe
570,3614066.395,5018831.291,1090.830,fl ditch
571,3614065.636,5018832.450,1090.854,toe
572,3614064.798,5018834.617,1093.196,tb
573,3614052.099,5018831.484,1091.516,top 1.5' od boulder
574,3614041.473,5018832.306,1092.645,gs
575,3614041.598,5018833.465,1090.263,toe

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576,3614041.852,5018834.174,1090.021,fl ditch
577,3614042.169,5018835.252,1090.391,toe
578,3614042.012,5018837.019,1092.990,gs
579,3614031.002,5018841.631,1092.229,gs
580,3614030.064,5018841.014,1090.280,toe
581,3614027.315,5018839.447,1090.379,toe
582,3614026.546,5018838.908,1092.570,gs
583,3614031.741,5018837.261,1090.260,fl ditch
584,3614028.768,5018840.357,1090.205,fl ditch
585,3614028.727,5018843.031,1090.025,fl ditch
586,3614032.948,5018834.373,1092.245,gs
587,3614034.632,5018834.251,1090.680,gs
588,3614037.757,5018833.244,1092.402,gs
589,3614035.858,5018832.338,1091.897,gs
590,3614039.991,5018828.796,1092.310,gs
591,3614038.213,5018831.219,1092.701,gs
592,3614040.451,5018829.919,1092.638,gs
593,3614039.192,5018825.254,1093.562,gs
594,3614034.486,5018828.390,1093.245,gs
595,3614027.440,5018828.870,1093.311,gs
596,3614035.314,5018807.579,1100.061,tb
597,3614032.245,5018794.630,1100.881,gs
598,3614025.935,5018780.831,1101.966,edge drive
599,3614018.919,5018739.550,1102.615,gs drive
600,3614036.266,5018856.846,1093.142,gs
601,3614042.091,5018856.909,1093.584,gs broken conc
602,3614043.575,5018861.950,1095.085,gs broken conc
603,3614038.683,5018863.357,1095.085,gs broken conc
604,3614034.201,5018859.232,1093.090,gs broken conc
605,3614040.756,5018869.332,1096.398,tb
606,3614040.939,5018883.877,1097.124,gs grass/field
607,3614047.891,5018922.716,1099.181,gs field
608,3614054.026,5018966.729,1101.694,gs field
609,3613952.770,5018900.610,1092.293,sfp
610,3613957.240,5018908.310,1090.936,sfp
611,3613967.709,5018916.819,1091.345,sfp
612,3613981.799,5018924.494,1095.281,sfp
613,3614009.817,5018895.997,1096.335,sfp
614,3614035.090,5018868.421,1095.745,gs tree area
615,3614014.518,5018881.363,1095.198,gs tree area
616,3613987.501,5018909.082,1094.613,gs tree area
617,3613982.130,5018906.100,1092.855,gs tree area
618,3614008.854,5018873.431,1093.469,gs tree area
619,3614028.412,5018862.150,1092.985,gs tree area
620,3614036.741,5018813.137,1099.192,rr tie pile
621,3614022.156,5018812.730,1099.209,rr tie pile
622,3614010.174,5018808.351,1100.281,rr tie pile
623,3614011.452,5018804.684,1100.514,rr tie pile
624,3614020.569,5018802.669,1100.563,rr tie pile

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625,3614027.444,5018803.863,1100.496,rr tie pile
626,3614037.333,5018808.204,1100.022,rr tie pile
627,3614025.824,5018850.011,1092.335,gs
628,3614027.259,5018850.006,1090.350,toe
629,3614028.367,5018850.402,1090.137,fl ditch
630,3614029.951,5018850.593,1090.193,toe
631,3614030.734,5018851.128,1092.427,gs
632,3614025.090,5018859.111,1092.024,gs
633,3614024.617,5018858.535,1090.154,toe
634,3614024.277,5018857.083,1090.095,fl ditch
635,3614022.190,5018855.186,1090.859,toe
636,3614021.695,5018853.555,1092.749,gs
637,3614016.695,5018855.299,1092.349,gs
638,3614016.852,5018856.792,1090.162,toe
639,3614016.741,5018857.812,1090.069,fl ditch
640,3614015.169,5018859.128,1090.230,toe
641,3614013.912,5018860.562,1092.581,gs
642,3614006.527,5018856.829,1091.981,gs
643,3614006.463,5018855.834,1089.891,toe
644,3614006.028,5018854.438,1090.013,fl ditch
645,3614005.603,5018852.539,1090.196,toe
646,3614005.526,5018850.644,1092.450,gs
647,3614007.939,5018854.518,1090.062,fl ditch
648,3614010.247,5018853.043,1091.738,gs
649,3614009.245,5018852.538,1090.370,gs
650,3614008.458,5018851.977,1090.393,gs
651,3614007.021,5018850.505,1092.233,gs
652,3614009.403,5018848.781,1092.145,gs
653,3614010.598,5018849.130,1090.836,gs
654,3614012.471,5018849.888,1092.591,gs
655,3614012.356,5018844.647,1092.568,gs
656,3614014.243,5018844.494,1092.591,gs
657,3614014.333,5018846.399,1092.555,gs
658,3614013.429,5018845.597,1091.711,gs
659,3614026.595,5018829.131,1093.354,gs
660,3614013.034,5018830.247,1094.013,gs
661,3613999.066,5018838.849,1093.929,gs
662,3614004.067,5018830.675,1094.791,gs
663,3614004.414,5018829.176,1094.497,gs
664,3614004.741,5018827.677,1095.454,gs
665,3613995.764,5018831.993,1096.859,trd 4" s side
666,3613991.628,5018833.506,1098.512,trd 16"od cluster
666_REF1,3613988.265,5018831.341,1098.814,Ref. Pt.
666_REF2,3613988.294,5018835.717,1098.210,Ref. Pt.
667,3613984.467,5018836.904,1097.663,junk area
668,3613980.252,5018836.462,1097.653,junk area
669,3613980.630,5018841.627,1096.364,junk area
670,3613983.667,5018841.293,1096.207,junk area
671,3613981.849,5018842.398,1096.634,trd 12" od cluster

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672,3613966.849,5018812.994,1100.092, burn pile area
673,3613974.626,5018810.386,1100.275, burn pile area
674,3613983.589,5018821.128,1099.594, burn pile area
675,3613968.038,5018824.314,1099.522, burn pile area
676,3613963.251,5018812.680,1100.125, edge drive
677,3613988.647,5018799.069,1100.255, edge drive
678,3613992.356,5018817.512,1099.488, trd 6"
679,3613996.075,5018819.319,1098.353, trd 12" stump
680,3614008.781,5018821.591,1096.263, gs
681,3614008.291,5018820.052,1097.333, gs
682,3614007.762,5018817.313,1097.717, gs
683,3614007.021,5018815.427,1098.861, tb
684,3614005.947,5018811.284,1099.904, gs
685,3613997.405,5018810.289,1100.046, gs
686,3613995.189,5018809.984,1099.665, gs
687,3613993.493,5018811.143,1099.852, gs
688,3613994.171,5018813.451,1099.114, gs
689,3613995.095,5018813.475,1098.097, gs
690,3613996.738,5018813.260,1097.907, gs
691,3613997.742,5018813.226,1099.586, gs
692,3613998.792,5018814.538,1099.176, tb
693,3613997.223,5018816.069,1096.765, tb
694,3613996.710,5018814.641,1097.280, gs
695,3613996.063,5018814.744,1097.162, gs
696,3613996.270,5018816.321,1096.660, toe
697,3613993.371,5018815.426,1096.782, toe
698,3613993.196,5018812.792,1099.380, tb
699,3613989.571,5018812.173,1099.682, tb
700,3613988.552,5018817.181,1099.528, tb
701,3613995.540,5018819.977,1098.383, tb
702,3613999.213,5018820.803,1097.553, gs
703,3613999.135,5018822.395,1097.497, gs
704,3613994.158,5018821.076,1098.239, gs
705,3613989.346,5018820.676,1099.062, gs
706,3613991.231,5018827.510,1098.298, tb
707,3613992.500,5018826.864,1096.927, gs
708,3613996.841,5018826.993,1095.677, gs
709,3613990.417,5018814.407,1097.228, rcp 5" top 0.46' to fl
710,3613990.694,5018814.604,1096.575, fl
711,3613990.875,5018814.176,1096.801, toe
712,3613990.164,5018814.799,1096.804, toe
713,3613989.751,5018814.425,1097.484, gs
714,3613990.300,5018813.838,1097.457, gs
715,3613994.444,5018816.328,1096.572, fl
716,3613994.235,5018816.897,1096.946, toe
717,3613994.640,5018815.965,1096.785, toe
718,3613996.931,5018817.337,1097.110, cmp 6" top 0.52' to fl
719,3613996.232,5018816.976,1096.493, fl
720,3613997.316,5018818.486,1096.595, toe

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721,3613998.061,5018816.874,1096.709,toe
722,3614000.081,5018819.156,1096.345,fl
723,3614000.979,5018818.593,1096.634,gs
724,3613999.541,5018819.482,1096.486,gs
725,3614001.257,5018821.689,1097.602,gs
726,3614000.468,5018821.844,1096.287,fl
727,3613999.206,5018822.147,1097.664,gs
728,3614001.712,5018824.947,1095.801,gs
729,3614001.507,5018826.607,1095.198,gs
730,3614001.308,5018828.666,1095.367,gs
731,3613999.403,5018835.058,1094.844,gs
732,3613984.106,5018835.410,1098.275,TB
733,3613993.813,5018847.376,1092.903,gs
734,3614002.449,5018840.717,1093.607,gs
735,3614000.195,5018834.566,1094.900,gs
736,3613996.896,5018827.885,1095.815,gs
737,3613990.669,5018828.137,1098.393,tb
738,3614010.772,5018827.967,1094.541,gs
739,3614011.032,5018830.025,1093.951,gs
740,3614006.934,5018831.877,1093.991,gs
741,3614006.005,5018832.739,1094.726,gs
742,3614024.307,5018830.364,1093.439,gs
743,3614101.979,5018847.355,1093.832,gs
744,3614102.161,5018849.895,1091.692,toe
745,3614102.090,5018851.776,1091.487,fl ditch
746,3613983.742,5018865.580,1091.247,gs
747,3613983.735,5018866.532,1089.682,toe
748,3613984.055,5018867.636,1089.774,fl ditch
749,3613984.462,5018868.851,1089.355,toe
750,3613985.424,5018871.503,1092.427,GS
751,3613988.491,5018888.489,1092.397,GS
752,3613994.466,5018907.372,1095.850,tb
753,3613997.955,5018912.399,1095.946,gs grass/field
754,3614009.859,5018955.188,1098.327,gs field
755,3614019.858,5018994.937,1100.906,gs field
756,3613984.937,5018862.438,1091.677,fmisc metalgate
757,3613982.298,5018853.890,1092.805,gs
758,3613972.795,5018837.385,1099.083,tb
759,3613977.774,5018843.206,1095.987,gs
760,3613975.256,5018829.573,1098.984,fmisc metal gate e&s
761,3613959.502,5018829.215,1099.260,fmisc metal gate n & fnb s
762,3613973.419,5018823.193,1099.568,gs
763,3613969.627,5018809.369,1100.167,edge drive
764,3613961.938,5018790.034,1100.304,edge drive
765,3613956.056,5018769.898,1101.178,gs grass
766,3614104.197,5018854.087,1091.737,toe
767,3614105.547,5018855.653,1093.319,gs
768,3613967.687,5018860.620,1093.437,gs
769,3613974.541,5018852.658,1093.843,gs

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770,3613975.776,5018846.256,1096.119,gs
771,3613971.460,5018840.739,1098.087,gs
772,3613967.030,5018846.928,1094.994,gs
773,3613963.769,5018848.641,1094.742,gs
774,3613962.107,5018845.434,1094.997,gs
775,3613963.949,5018843.739,1097.435,gs
776,3613960.930,5018846.288,1097.465,gs
777,3613959.239,5018840.374,1098.563,tb
778,3613970.802,5018837.807,1099.032,tb
779,3613954.057,5018855.652,1098.072,tb
780,3613961.965,5018858.535,1095.769,gs
781,3613949.875,5018866.162,1096.859,gs tree area
782,3613955.044,5018867.672,1096.151,gs tree area
783,3613955.255,5018883.921,1093.416,gs tree area
784,3613943.465,5018918.517,1093.015,gs tree area
785,3613933.394,5018936.997,1090.776,gs tree area
786,3613911.585,5018959.685,1091.337,gs tree area
787,3613868.565,5019044.401,1090.625,gs tree area
788,3613852.211,5019050.863,1094.423,gs tree area /fnmisc metal gate
789,3613853.535,5019034.918,1095.821,gs tree area fnmisc metal gate
790,3613859.675,5019020.731,1095.425,gs tree area fnmisc metal gate
791,3613876.239,5018964.256,1097.343,gs tree area fnmisc metal gate
792,3613890.580,5018957.893,1096.361,gs tree area fnmisc metal gate
793,3613920.841,5018922.983,1095.778,gs tree area fnmisc metal gate
794,3613943.475,5018881.684,1096.302,fnmisc metal gate end
795,3613968.993,5018880.986,1091.290,gs
796,3613969.551,5018881.159,1089.544,toe
797,3613970.724,5018881.659,1089.393,fl ditch
798,3613971.632,5018882.941,1089.078,toe
799,3613972.801,5018883.778,1091.411,gs
800,3613954.816,5018919.481,1090.689,gs
801,3613956.106,5018919.825,1088.691,toe
802,3613957.007,5018920.019,1088.697,fl ditch
803,3613958.906,5018920.300,1089.189,toe
804,3613959.584,5018920.451,1090.594,gs
805,3613970.374,5018923.566,1091.916,gs
806,3613973.958,5018925.266,1093.934,gs
807,3613979.742,5018928.472,1095.541,tb
808,3613983.523,5018930.978,1095.797,gs grass/field
809,3614018.643,5018952.037,1098.646,gs field
810,3614051.270,5018963.602,1101.398,gs field
811,3613959.659,5018927.288,1090.587,gs
812,3613959.002,5018927.191,1088.595,toe
813,3613958.148,5018927.019,1088.373,fl ditch
814,3613956.868,5018926.895,1088.744,toe
815,3613956.245,5018926.937,1090.771,gs
816,3613948.854,5018918.881,1091.063,gs
817,3613948.932,5018899.867,1093.310,fnb rem to east
818,3613962.952,5018888.027,1091.435,gs rock boulders

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819,3613958.692,5018887.514,1091.845,gs rock boulders
820,3613957.078,5018885.927,1092.501,gs rock boulders
821,3613957.560,5018883.905,1092.833,gs rock boulders
822,3613965.458,5018881.917,1091.597,gs rock boulders
823,3613927.595,5018836.390,1099.761,fnb nw-se
824,3613941.098,5018849.191,1098.905,gs pasture
825,3613920.557,5018827.444,1100.128,gs grass
826,3613897.170,5018822.743,1100.708,eog drive
827,3613896.425,5018809.213,1100.710,eog drive
828,3613934.409,5018802.135,1100.214,eog drive
829,3613888.455,5018845.389,1101.478,fnb nw-se
830,3613870.633,5018849.506,1104.805,fnb nw & elec fence e
831,3613869.368,5018849.174,1104.692,shed nw cor
831_REF1,3613870.215,5018848.641,1104.618,Ref. Pt.
831_REF2,3613869.599,5018848.201,1104.766,Ref. Pt.
832,3613870.022,5018852.629,1105.550,gs
833,3613872.548,5018866.655,1104.224,gs
834,3613872.250,5018886.796,1103.520,gs
835,3613870.097,5018887.635,1104.106,elec fence w&s
836,3613869.402,5018886.263,1104.480,shed ne cor
836_REF1,3613869.268,5018887.254,1104.296,Ref. Pt.
836_REF2,3613870.400,5018886.202,1104.663,Ref. Pt.
837,3613934.402,5018914.542,1095.582,tb
838,3613928.241,5018909.180,1096.302,fmisc metal gate
839,3613895.012,5018896.637,1098.778,gs pasture
840,3613879.374,5018891.216,1101.788,gs pasture
841,3613875.277,5018890.114,1102.413,gs pasture
842,3613862.225,5018889.253,1104.454,gs pasture
843,3613861.728,5018895.209,1103.231,gs pasture
844,3613950.852,5018938.296,1090.969,gs
845,3613951.589,5018938.568,1088.827,toe
846,3613952.589,5018939.255,1088.679,fl ditch
847,3613953.985,5018940.415,1088.889,toe
848,3613954.746,5018940.715,1090.287,gs
849,3613943.171,5018950.650,1090.648,gs
850,3613942.073,5018950.365,1089.008,toe
851,3613941.103,5018949.766,1088.751,fl ditch
852,3613939.340,5018948.655,1089.372,toe
853,3613938.343,5018948.137,1090.984,gs
854,3613926.962,5018961.586,1090.328,gs
855,3613927.520,5018962.323,1088.939,toe
856,3613928.280,5018963.072,1088.797,fl ditch
857,3613929.783,5018964.573,1088.954,toe
858,3613930.375,5018965.339,1090.686,gs
859,3613934.673,5018969.818,1090.704,gs
860,3613940.724,5018974.336,1093.751,tb
861,3613945.223,5018977.703,1094.745,gs grass/field
862,3613978.781,5018998.936,1098.083,gs field
863,3614018.397,5019015.036,1102.237,gs field

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864,3613903.114,5019006.637,1090.391,gs broken conc
865,3613900.991,5019016.361,1090.289,gs broken conc
866,3613902.952,5019016.550,1090.371,gs broken conc
867,3613905.003,5019007.240,1090.359,gs broken conc
868,3613869.961,5019047.513,1090.187,gs
869,3613872.067,5019048.237,1088.917,toe
870,3613873.254,5019048.659,1089.036,fl ditch
871,3613874.834,5019048.978,1089.030,toe
872,3613876.067,5019049.384,1090.479,gs
873,3613880.143,5019050.237,1090.434,gs
874,3613881.868,5019051.091,1089.830,gs
875,3613895.214,5019054.669,1090.171,gs
876,3613903.966,5019055.964,1092.232,gs
877,3613906.868,5019056.664,1093.062,gs field/grass
878,3613943.189,5019058.102,1096.959,gs field
879,3613971.624,5019058.291,1099.554,gs field
880,3613864.750,5019046.035,1091.441,gs
881,3613857.325,5019045.842,1094.163,gs
882,3613849.633,5019045.209,1095.486,tb
883,3613827.036,5019038.847,1100.630,gs pasture
884,3613819.755,5019035.631,1101.467,gs pasture
885,3613801.355,5019030.557,1102.008,gs pasture
886,3613785.597,5019028.276,1102.154,gs pasture
887,3613783.933,5019025.206,1102.282,shed se cor /fmisc metal gate
887_REF1,3613782.936,5019025.118,1102.273,Ref. Pt.
887_REF2,3613783.651,5019026.166,1102.290,Ref. Pt.
888,3613797.215,5019052.938,1099.890,fmisc metal gate
889,3613807.342,5019078.513,1096.394,fmisc metal gate
890,3613817.389,5019090.563,1094.853,fmisc metal gate
891,3613844.775,5019092.911,1092.809,fmisc metal gate
892,3613874.256,5019099.867,1089.981,fmisc metal gate
893,3613803.809,5019027.645,1102.945,gs
894,3613824.465,5019029.233,1101.734,gs
895,3613824.002,5019027.661,1102.040,shed ne cor
895_REF1,3613823.950,5019028.659,1102.020,Ref. Pt.
895_REF2,3613825.000,5019027.718,1102.060,Ref. Pt.
896,3613877.260,5019072.990,1089.776,gs
897,3613877.818,5019073.072,1088.854,toe
898,3613879.949,5019072.867,1088.483,fl ditch
899,3613880.467,5019072.971,1088.210,toe
900,3613881.144,5019073.321,1089.879,gs
901,3613883.378,5019073.357,1089.846,gs
902,3613884.727,5019073.315,1089.605,gs
903,3613875.462,5019082.546,1089.773,gs
904,3613874.479,5019082.943,1088.031,toe
905,3613873.129,5019082.950,1088.064,fl ditch
906,3613871.510,5019083.102,1088.107,toe
907,3613870.887,5019083.523,1089.950,gs
908,3613867.940,5019099.904,1089.604,gs

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909,3613868.994,5019099.985,1088.987,toe
910,3613871.074,5019099.026,1088.738,fl ditch
911,3613872.147,5019098.919,1088.823,toe
912,3613857.895,5019095.943,1090.526,gs
913,3613843.150,5019091.977,1093.190,gs
914,3613814.604,5019086.512,1095.181,gs
915,3613800.616,5019057.842,1099.198,gs
916,3613822.411,5019068.566,1096.610,gs
917,3613838.887,5019063.796,1095.537,gs
918,3613825.962,5019039.825,1100.804,gs
919,3613796.253,5019042.949,1101.166,gs
920,3613783.515,5019045.980,1100.854,gs grass
921,3613786.317,5019093.167,1097.328,gs grass/field
922,3613816.072,5019090.643,1094.912,gs grass/field
923,3613833.682,5019095.102,1093.469,gs grass/field
924,3613846.979,5019121.922,1090.626,gs grass/field
925,3613839.500,5019155.162,1089.435,gs grass/field
926,3613822.167,5019186.138,1088.935,gs grass/field
927,3613802.373,5019203.638,1088.481,gs grass/field
928,3613863.507,5019118.106,1089.688,trd 4"
929,3613863.466,5019113.998,1089.828,trd 6"
930,3613877.813,5019109.243,1089.795,gs
931,3613878.427,5019108.919,1088.509,toe
932,3613879.845,5019107.987,1088.620,fl ditch
933,3613881.280,5019106.840,1088.474,toe
934,3613881.915,5019106.280,1089.690,gs
935,3613899.743,5019117.093,1091.048,trd 20" cluster
936,3613893.409,5019133.484,1089.574,trd 48" cluster
937,3613896.051,5019136.618,1089.792,trd 6"
938,3613890.156,5019155.988,1090.608,trd 12" cluster
939,3613879.041,5019100.457,1089.666,gs
940,3613895.457,5019102.166,1089.606,gs
941,3613902.654,5019103.054,1091.238,gs
942,3613908.416,5019102.936,1093.543,gs grass/field
943,3613949.343,5019103.329,1097.638,gs field
944,3613992.015,5019100.941,1102.854,gs field
945,3613902.444,5019068.304,1091.901,trd 20" cluster
946,3613957.472,5018910.125,1089.635,fl 6" cmp
947,3613957.862,5018909.561,1090.645,gs
948,3613957.261,5018909.378,1090.888,gs
949,3613956.663,5018910.610,1090.849,gs
950,3613957.046,5018911.689,1090.681,gs
951,3613957.870,5018912.730,1089.123,toe
952,3613959.298,5018913.310,1089.136,fl ditch
953,3613906.119,5019132.604,1093.299,gs grass/field
954,3613890.910,5019168.208,1091.131,gs grass/field
955,3613878.636,5019143.881,1089.296,fl ditch
956,3613880.028,5019144.945,1089.097,toe
957,3613879.168,5019144.306,1089.578,gs

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958,3613856.477,5019134.360,1089.308,gs
959,3613845.357,5019132.280,1090.165,gs grass/field
960,3613806.738,5019123.751,1093.721,gs field
961,3613784.592,5019119.362,1095.564,gs field
962,3613889.842,5019146.951,1089.371,toe
963,3613895.657,5019151.835,1091.949,gs grass/field
964,3613940.848,5019161.237,1096.110,gs field
965,3613979.783,5019166.644,1100.753,gs field
966,3613977.015,5019211.416,1098.853,gs field
967,3613973.641,5019230.973,1097.552,gs field
968,3613965.887,5019254.229,1097.721,gs field
969,3613919.833,5019243.823,1093.282,gs field
970,3613927.169,5019225.405,1093.448,gs field
971,3613934.257,5019202.425,1094.703,gs field
972,3613887.577,5019188.361,1090.887,gs field
973,3613875.486,5019209.862,1090.035,gs field
974,3613842.355,5019244.973,1089.140,gs field
975,3613837.957,5019233.030,1088.568,gs grass/field
976,3613870.393,5019197.404,1089.713,gs grass/field
977,3613872.805,5019196.197,1089.844,gs grass/field
978,3613868.486,5019194.031,1088.729,gs
979,3613864.886,5019191.119,1088.581,gs
980,3613864.095,5019190.951,1088.036,toe
981,3613863.037,5019190.348,1087.961,fl ditch
982,3613862.815,5019189.775,1087.915,toe
983,3613860.162,5019188.918,1088.466,toe
984,3613859.053,5019188.212,1088.810,gs
985,3613840.843,5019176.724,1088.272,gs
986,3613837.750,5019174.885,1088.839,gs
987,3613828.036,5019174.807,1089.059,gs grass/field
988,3613788.840,5019162.179,1091.782,gs field
989,3613767.494,5019154.703,1093.346,gs field
990,3613815.623,5019214.726,1087.756,trd 10"
991,3613838.140,5019204.956,1087.782,trd4"
992,3613826.960,5019201.988,1088.057,trd6"
993,3613826.581,5019196.907,1088.423,trd 8"
994,3613845.394,5019194.054,1088.473,trd 6"
995,3613849.717,5019187.115,1088.777,trd 8"
996,3613855.649,5019180.468,1088.966,trd 8"
997,3613855.237,5019181.267,1088.889,trd 6"
998,3613857.046,5019179.716,1088.867,trd 6"
999,3613861.588,5019179.462,1088.941,trd 6"
1000,3613945.789,5019309.474,1098.569,gs field
1001,3613906.553,5019284.169,1094.066,gs field
1002,3613866.447,5019258.499,1090.551,gs field
1003,3613833.788,5019236.167,1088.450,gs field/grass
1004,3613831.006,5019234.765,1088.578,gs
1005,3613824.681,5019231.878,1087.990,gs
1006,3613823.536,5019231.398,1087.633,toe

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1007,3613821.280,5019230.186,1087.439,fl ditch
1008,3613814.065,5019223.097,1087.498,toe
1009,3613802.844,5019215.930,1087.707,gs
1010,3613797.003,5019211.865,1088.314,gs
1011,3613795.146,5019209.646,1088.550,gs grass/field
1012,3613756.545,5019187.521,1091.666,gs field
1013,3613701.864,5019196.270,1093.412,gs field
1014,3613733.023,5019227.333,1089.592,gs field
1015,3613748.788,5019243.158,1088.159,gs field/grass
1016,3613759.480,5019255.729,1086.976,gs
1017,3613760.018,5019256.290,1086.481,toe
1018,3613761.452,5019258.051,1086.300,fl ditch
1019,3613762.858,5019260.256,1086.619,toe
1020,3613763.444,5019261.169,1087.009,gs
1021,3613768.394,5019267.079,1087.095,gs
1022,3613780.237,5019280.335,1087.991,gs grass/field
1023,3613783.096,5019280.359,1088.060,gs field
1024,3613816.659,5019311.100,1090.903,gs field
1025,3613863.579,5019356.692,1094.538,gs field
1026,3613728.289,5019280.811,1086.056,fl ditch
1027,3613726.062,5019275.864,1086.440,toe
1028,3613721.364,5019271.044,1086.977,gs
1029,3613719.916,5019269.738,1087.650,gs
1030,3613715.668,5019265.151,1087.768,gs field
1031,3613695.310,5019222.198,1090.639,gs field
1032,3613677.501,5019184.689,1094.895,gs field
1033,3613726.892,5019295.615,1086.458,gs
1034,3613731.576,5019301.106,1087.360,gs
1035,3613736.425,5019308.174,1088.227,gs
1036,3613739.663,5019313.604,1087.545,gs grass/field
1037,3613764.811,5019351.134,1090.654,gs field
1038,3613787.995,5019395.963,1094.161,gs field
1039,3613797.217,5019412.848,1095.590,gs field
1040,3613728.261,5019437.048,1091.786,gs field
1041,3613708.703,5019391.386,1088.489,gs field
1042,3613691.867,5019348.042,1086.062,gs field
1043,3613689.983,5019343.839,1085.474,gs grass/field
1044,3613688.994,5019341.675,1085.654,gs
1045,3613688.401,5019340.053,1086.324,gs
1046,3613686.320,5019337.226,1086.425,gs
1047,3613669.413,5019310.309,1084.373,fl ditch
1048,3613666.175,5019306.114,1084.737,gs
1049,3613665.385,5019304.497,1085.091,gs
1050,3613659.650,5019295.328,1086.130,gs field
1051,3613627.288,5019203.469,1091.186,gs field
1052,3613716.144,5019331.865,1086.736,gs grass/field
1053,3613714.768,5019328.660,1087.103,gs
1054,3613712.713,5019325.139,1088.209,gs
1055,3613714.415,5019324.090,1087.802,gs

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1056,3613712.190,5019319.457,1086.371,gs
1057,3613707.011,5019314.884,1085.705,gs
1058,3613706.909,5019314.634,1085.127,toe
1059,3613706.025,5019313.939,1084.556,fl ditch
1060,3613704.755,5019313.117,1084.822,toe
1061,3613703.757,5019312.769,1085.911,gs
1062,3613699.002,5019305.595,1086.124,gs
1063,3613698.512,5019303.188,1086.793,gs
1064,3613695.561,5019298.327,1087.682,gs
1065,3613694.563,5019295.117,1087.947,gs
1066,3613687.124,5019281.249,1086.831,gs
1067,3613680.381,5019287.822,1086.566,gs
1068,3613689.172,5019298.392,1087.039,gs
1069,3613685.339,5019298.124,1085.884,gs
1070,3613679.754,5019298.512,1085.589,gs
1071,3613680.773,5019304.006,1085.481,gs
1072,3613688.380,5019306.399,1086.242,gs
1073,3613690.554,5019308.004,1087.791,gs
1074,3613694.272,5019309.228,1086.967,gs
1075,3613699.377,5019308.062,1086.488,gs
1076,3613698.418,5019306.270,1086.022,gs
1077,3613695.300,5019307.137,1085.957,gs boulders
1078,3613694.555,5019305.252,1086.344,gs boulders
1079,3613695.904,5019301.420,1086.928,gs boulders
1080,3613690.608,5019300.287,1086.229,gs boulders
1081,3613690.255,5019303.101,1086.823,gs boulders
1082,3613689.177,5019305.891,1086.623,gs boulders
1083,3613681.888,5019301.763,1085.799,gs boulders
1084,3613682.052,5019299.559,1085.596,gs boulders
1085,3613687.180,5019311.702,1085.544,gs
1086,3613690.274,5019312.633,1087.558,gs
1087,3613694.953,5019314.138,1087.184,gs
1088,3613698.251,5019315.231,1086.056,gs
1089,3613700.592,5019322.608,1086.151,gs
1090,3613695.760,5019328.640,1088.534,gs
1091,3613693.860,5019331.395,1088.206,gs
1092,3613686.564,5019334.281,1086.287,gs
1093,3613688.838,5019340.612,1086.238,gs
1094,3613690.126,5019342.057,1085.510,gs
1095,3613698.322,5019338.895,1085.969,gs
1096,3613698.339,5019334.883,1087.143,gs
1097,3613698.273,5019331.522,1088.124,gs
1098,3613704.962,5019320.334,1085.790,gs
1099,3613705.496,5019322.488,1086.621,gs
1100,3613707.282,5019326.684,1087.599,gs
1101,3613708.228,5019328.542,1088.019,gs
1102,3613710.782,5019333.028,1086.667,gs
1103,3613703.952,5019333.832,1087.117,gs boulders
1104,3613702.533,5019336.658,1088.196,gs boulders

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1105,3613705.326,5019336.654,1086.372,gs boulders
1106,3613706.410,5019339.849,1086.622,gs boulders
1107,3613703.677,5019339.079,1087.475,gs boulders
1108,3613702.685,5019339.129,1087.531,gs boulders
1109,3613701.824,5019340.949,1086.205,gs boulders
1110,3613699.230,5019338.455,1086.038,gs boulders
1111,3613699.674,5019335.066,1087.028,gs boulders
1112,3613700.876,5019335.337,1087.776,gs boulders
1113,3613727.987,5019319.175,1087.450,gs
1114,3613726.300,5019316.424,1088.293,gs
1115,3613717.765,5019313.124,1086.498,gs
1116,3613712.958,5019302.175,1086.117,gs
1117,3613712.244,5019301.760,1085.389,toe
1118,3613711.736,5019301.135,1085.307,fl ditch
1119,3613710.992,5019300.762,1085.553,toe
1120,3613710.336,5019299.859,1086.081,gs
1121,3613706.980,5019296.404,1086.336,gs
1122,3613701.384,5019288.526,1087.776,gs
1123,3613695.720,5019277.759,1087.483,gs
1124,3613702.527,5019314.607,1085.833,gs
1125,3613703.061,5019314.661,1085.186,toe
1126,3613704.336,5019315.380,1082.585,fl ditch
1127,3613705.212,5019316.868,1084.875,toe
1128,3613705.299,5019316.327,1083.188,fl dtch
1129,3613706.329,5019314.791,1084.773,toe
1130,3613705.954,5019315.059,1084.034,fl ditch
1131,3613704.640,5019313.486,1084.635,toe
1132,3613705.077,5019314.537,1082.857,fl ditch
1133,3613719.788,5019285.721,1085.932,fl ditch
1134,3613724.677,5019292.172,1086.274,fl ditch
1135,3613714.030,5019297.767,1085.382,fl ditch
1136,3613714.799,5019298.627,1085.671,toe
1137,3613712.829,5019297.223,1085.667,toe
1138,3613711.570,5019297.024,1086.209,gs
1139,3613714.830,5019300.137,1086.310,gs
1140,3613728.411,5019289.922,1086.341,trd 6"
1141,3613751.136,5019289.747,1087.940,trd 6"
1142,3613754.188,5019270.740,1086.920,trd 6"
1143,3613913.535,5018956.688,1091.189,gs
1144,3613911.621,5018956.192,1091.878,gs end fnb rem from west
1145,3613903.994,5018946.265,1095.784,TB
1146,3613899.271,5018954.809,1096.137,top 2.0' boulder
1147,3613899.050,5018947.261,1096.383,fmisc metal gate
1148,3613877.320,5018934.790,1098.621,gs pasture
1149,3613865.153,5018927.741,1100.548,gs pasture
1150,3613837.537,5018916.972,1102.637,se cor horse shed
1151,3613834.596,5018931.972,1101.319,gs
1152,3613848.058,5018917.625,1102.299,gs
1153,3613854.351,5018917.333,1101.646,shed ne cor horse

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1154,3613854.279,5018900.317,1102.845,shed nw cor horse
1155,3613837.026,5018900.801,1103.308,shed sw cor horse
1156,3613838.977,5018893.969,1103.834,gs
1157,3613838.647,5018890.891,1104.172,gs
1158,3613838.606,5018888.429,1104.773,gs
1159,3613830.397,5018967.343,1101.374,wfp 6"
1160,3613835.163,5018953.226,1100.799,gs
1161,3613848.905,5018962.656,1100.112,gs
1162,3613840.129,5018968.722,1100.908,wfp 6"
1163,3613838.869,5018978.184,1100.862,wfp 6"
1164,3613837.364,5018996.583,1100.730,wfp 6"
1165,3613830.001,5019028.345,1100.248,gs
1166,3613831.016,5018998.096,1101.118,gs
1167,3613863.334,5019004.685,1096.232,fmisc metal gate/ tb
1168,3613901.782,5019000.089,1090.163,gs
1169,3613895.998,5019000.221,1090.425,gs
1170,3613894.338,5019000.705,1089.618,toe
1171,3613891.248,5019001.008,1089.178,fl ditch
1172,3613890.562,5019000.268,1089.306,toe
1173,3613890.018,5018998.814,1090.357,gs
1174,3613883.876,5018997.286,1090.730,gs
1175,3613905.447,5019004.522,1090.266,gs
1176,3613912.766,5019007.594,1091.436,gs
1177,3613922.841,5019011.948,1093.634,gs grass/field
1178,3613963.945,5019028.103,1098.008,gs field
1179,3614009.674,5019041.110,1103.078,gs field
1180,3613825.018,5019026.449,1102.307,gs
1181,3613827.335,5018998.862,1102.394,gs
1182,3613825.911,5018997.376,1102.145,shed nw cor
1182_REF1,3613826.379,5018997.554,1102.141,Ref. Pt.
1182_REF2,3613826.190,5018996.960,1102.148,Ref. Pt.
1183,3613704.967,5019315.529,1091.712,top 8" cmp slotted stndpipe 10.17'to fl
1184,3613660.875,5019321.121,1084.329,trd 6"
1185,3613605.803,5019360.254,1083.065,trd 6"
1186,3613676.347,5019442.001,1086.558,gs field
1187,3613655.010,5019387.646,1085.058,gs field
1188,3613643.246,5019360.841,1084.564,gs grass/field
1189,3613640.894,5019354.116,1084.065,gs
1190,3613639.843,5019352.674,1084.383,gs
1191,3613630.264,5019335.512,1083.250,gs
1192,3613629.360,5019334.749,1082.709,fl ditch
1193,3613628.210,5019332.471,1083.329,gs
1194,3613620.496,5019318.604,1084.525,gs grass/field
1195,3613608.576,5019276.909,1087.134,gs field
1196,3613605.527,5019233.631,1088.718,gs field
1197,3613560.828,5019262.493,1089.417,gs field
1198,3613588.013,5019323.648,1085.707,gs field
1199,3613597.749,5019335.339,1083.601,gs grass/field
1200,3613602.841,5019331.811,1083.650,wet area lateral?

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1201,3613603.010,5019347.749,1082.949,gs
1202,3613596.545,5019337.961,1083.185,gs
1203,3613603.459,5019349.369,1082.661,fl ditch
1204,3613605.112,5019350.504,1082.907,GS
1205,3613607.406,5019352.846,1082.857,GS
1206,3613613.015,5019360.122,1083.820,GS
1207,3613618.309,5019366.879,1084.188,GS
1208,3613623.890,5019374.274,1084.296,GS grass/field
1209,3613646.685,5019414.532,1084.637,GS field
1210,3613664.489,5019457.438,1085.286,GS field
1211,3613628.846,5019480.205,1083.251,GS field
1212,3613603.864,5019439.797,1082.444,GS field
1213,3613582.762,5019410.390,1083.348,GS grass/field
1214,3613579.179,5019406.735,1083.925,GS crossing
1215,3613555.223,5019383.078,1084.836,GS crossing/field
1216,3613524.865,5019348.767,1085.752,GS field
1217,3613497.496,5019318.363,1087.870,GS field
1218,3613563.914,5019367.239,1084.634,GS field
1219,3613565.525,5019370.057,1084.251,GS grass/field
1220,3613563.263,5019381.303,1084.527,GS
1221,3613567.985,5019382.063,1082.595,GS
1222,3613572.852,5019380.924,1081.899,fl ditch
1223,3613570.179,5019383.651,1081.430,fl ditch
1224,3613568.289,5019384.669,1081.345,fl ditch
1225,3613578.052,5019386.644,1081.621,fl ditch
1226,3613574.086,5019386.927,1081.378,fl ditch
1227,3613568.173,5019384.905,1082.451,cmp 12" top 1.08' to fl
1228,3613572.499,5019388.263,1082.415,cmp 12" top 1.12' to fl
1229,3613574.628,5019382.877,1081.902,gs
1230,3613571.306,5019385.690,1081.847,gs
1231,3613569.013,5019387.841,1083.511,gs
1232,3613567.963,5019384.938,1082.598,gs
1233,3613572.058,5019388.799,1082.589,gs
1234,3613574.033,5019388.767,1081.470,gs
1235,3613573.773,5019391.412,1083.717,gs
1236,3613583.795,5019396.086,1083.806,gs
1237,3613582.635,5019391.832,1082.635,gs
1238,3613571.198,5019415.241,1083.273,gs
1239,3613564.859,5019417.470,1081.771,gs
1240,3613560.990,5019406.187,1081.461,gs
1241,3613563.340,5019403.602,1082.879,gs
1242,3613558.585,5019398.555,1082.914,gs
1243,3613556.275,5019401.261,1080.982,gs
1244,3613554.801,5019396.454,1082.878,gs
1245,3613552.644,5019396.666,1080.965,gs
1246,3613551.729,5019395.274,1083.275,gs
1247,3613559.126,5019402.855,1081.510,cmp 12" top 0.94' to fl
1248,3613554.549,5019396.736,1081.419,cmp 12" fl
1249,3613553.943,5019397.463,1080.867,fl ditch

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1250,3613558.781,5019402.874,1080.474,fl ditch
1251,3613482.399,5019379.315,1083.665,gs grass/field
1252,3613489.826,5019387.753,1084.069,gs field
1253,3613521.937,5019438.375,1081.796,gs grass/field
1254,3613528.479,5019443.751,1080.795,gs
1255,3613531.967,5019446.322,1080.530,fl ditch
1256,3613535.210,5019448.905,1080.933,gs
1257,3613540.882,5019454.969,1080.829,gs grass/field
1258,3613550.099,5019464.223,1081.203,gs field
1259,3613583.444,5019499.263,1081.399,gs field
1260,3613611.500,5019530.683,1081.368,gs field
1261,3613570.758,5019562.818,1080.722,gs field
1262,3613538.369,5019525.872,1080.942,gs field
1263,3613510.298,5019498.676,1080.429,gs field
1264,3613505.951,5019495.024,1080.386,gs grass/field
1265,3613494.173,5019481.340,1079.890,fl ditch
1266,3613480.466,5019463.259,1082.014,gs
1267,3613509.202,5019448.636,1081.888,gs grass/field
1268,3613493.001,5019456.178,1082.145,gs grass/field
1269,3613485.945,5019453.316,1082.437,gs grass/field
1270,3613483.314,5019418.302,1082.825,gs grass/field
1271,3613479.317,5019418.308,1082.510,fnb start
1272,3613477.404,5019441.276,1082.410,fnb e-w
1273,3613477.058,5019454.341,1082.293,fnb e-w
1274,3613475.652,5019459.067,1081.663,tped
1275,3613475.700,5019463.047,1081.280,sign tele cable n-s
1276,3613475.551,5019452.352,1082.014,sign tele cable e-w
1277,3613475.756,5019465.513,1081.660,fnb end
1278,3613476.398,5019475.423,1081.041,gs
1279,3613475.394,5019483.836,1079.526,gs
1280,3613474.800,5019494.280,1079.756,gs
1281,3613473.367,5019501.571,1080.305,gs
1282,3613471.923,5019530.891,1080.058,gs
1283,3613473.075,5019537.898,1079.454,gs grass/field
1284,3613468.006,5019566.409,1079.115,gs grass/field
1285,3613479.648,5019566.869,1079.870,gs field
1286,3613506.955,5019523.461,1080.555,gs field
1287,3613499.799,5019515.171,1080.404,gs field
1288,3613494.869,5019511.655,1079.702,gs field
1289,3613493.228,5019510.839,1080.003,gs grass/field
1290,3613490.433,5019508.380,1079.967,gs
1291,3613479.915,5019499.480,1080.449,gs
1292,3613468.004,5019465.071,1079.377,toe
1293,3613460.265,5019466.283,1079.613,fl ditch
1294,3613457.849,5019496.484,1078.992,fl ditch
1295,3613461.411,5019496.133,1079.258,gs
1296,3613472.749,5019491.639,1079.677,gs
1297,3613458.809,5019528.258,1078.391,fl ditch
1298,3613461.599,5019528.633,1078.877,gs

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1299,3613469.930,5019527.856,1079.762,gs
1300,3613451.944,5019526.565,1079.316,toe
1301,3613453.693,5019498.919,1079.271,toe
1302,3613452.945,5019457.063,1079.770,toe
1303,3613531.948,5019422.480,1081.624,gs gass/field
1304,3613526.547,5019415.922,1082.863,gs field
1305,3613545.405,5019391.280,1084.026,gs field
1306,3613547.398,5019396.518,1082.793,gs grass/field
1307,3612764.794,5018801.150,1105.952,915 -5'5"
1308,3612812.220,5018806.143,1106.680,915 -6'2"
1309,3612414.793,5018819.746,1113.654,700 -4'
1310,3612443.454,5018819.382,1113.125,700 -4'
1311,3612473.410,5018818.743,1112.699,700 -4'
1312,3612523.979,5018882.285,1105.783,300 ditch
1313,3612484.796,5018884.515,1106.512,300 ditch
1314,3612440.823,5018881.763,1107.129,300 ditch
1315,3612412.483,5018881.955,1107.802,300 ditch
1316,3613346.475,5018795.561,1100.371,422 36"
1317,3613346.982,5018868.428,1098.227,422 36"
5000,3614261.810,5019730.206,1093.312,GS
5001,3614262.867,5019813.752,1093.046,GS
5002,3614263.452,5019898.063,1092.785,GS
5003,3614263.971,5019983.574,1093.821,GS
5004,3614264.937,5020066.768,1094.528,GS
5005,3614264.297,5020147.224,1094.530,GS
5006,3614183.618,5020144.484,1091.002,GS
5007,3614182.990,5020060.964,1090.873,GS
5008,3614182.412,5019977.330,1091.370,GS
5009,3614182.008,5019897.406,1092.429,GS
5010,3614180.502,5019812.912,1093.462,GS
5011,3614179.442,5019733.819,1094.902,GS
5012,3614109.562,5019737.983,1097.668,GS
5013,3614110.797,5019819.606,1096.620,GS
5014,3614111.328,5019901.060,1098.309,GS
5015,3614112.771,5019980.678,1096.840,GS
5016,3614114.161,5020062.643,1094.420,GS
5017,3614116.567,5020147.352,1092.369,GS
5018,3614051.186,5020145.656,1098.194,GS
5019,3614047.936,5020066.945,1102.791,GS
5020,3614044.422,5019987.808,1104.676,GS
5021,3614043.965,5019909.577,1103.854,GS
5022,3614043.173,5019826.542,1101.541,GS
5023,3614042.337,5019746.105,1100.718,GS
5024,3613994.573,5019746.843,1101.647,GS
5025,3613995.051,5019828.852,1101.989,GS
5026,3613996.155,5019909.847,1103.372,GS
5027,3613996.644,5019991.654,1103.579,GS
5028,3613998.053,5020063.907,1103.129,GS
5029,3613996.883,5020147.085,1101.678,GS

5030,3613943.591,5020149.260,1102.351,GS
5031,3613940.800,5020070.100,1102.305,GS
5032,3613938.065,5019990.718,1100.481,GS
5033,3613937.403,5019912.996,1100.478,GS
5034,3613937.682,5019834.054,1101.404,GS
5035,3613936.651,5019756.875,1101.061,GS
5036,3613881.337,5019760.681,1098.378,GS
5037,3613882.193,5019824.092,1099.388,GS
5038,3613882.846,5019899.195,1096.841,GS
5039,3613883.221,5019955.762,1095.445,GS
5040,3613883.924,5020036.011,1096.703,GS
5041,3613882.797,5020148.043,1099.961,GS
5042,3613813.041,5020148.817,1095.914,GS
5043,3613812.579,5020097.107,1097.924,GS
5044,3613811.834,5020056.288,1098.214,GS
5045,3613811.060,5019985.210,1094.567,GS
5046,3613810.656,5019937.236,1093.609,GS
5047,3613809.675,5019861.816,1094.941,GS
5048,3613809.384,5019781.882,1094.175,GS
5049,3613991.776,5019864.018,1102.340,GS ROCK+SAND
5050,3613965.708,5019908.137,1102.094,GS ROCK+SAND
5051,3613955.033,5019945.627,1102.019,GS ROCK+SAND
5052,3613952.820,5019995.109,1102.170,GS ROCK+SAND
5053,3613936.631,5020050.549,1101.719,GS ROCK+SAND
5054,3613958.160,5020088.700,1103.047,GS ROCK+SAND
5055,3614011.264,5020103.994,1102.604,GS ROCK+SAND
5056,3614047.998,5020115.465,1099.764,GS ROCK+SAND
5057,3614079.114,5020077.947,1098.220,GS ROCK+SAND
5058,3614097.364,5020026.141,1097.658,GS ROCK+SAND
5059,3614105.084,5019966.763,1098.312,GS ROCK+SAND
5060,3614104.189,5019919.046,1099.413,GS ROCK+SAND
5061,3614070.115,5019882.122,1101.986,GS ROCK+SAND
5062,3614021.639,5019877.894,1103.224,GS ROCK+SAND
5063,3614022.456,5019928.090,1104.240,GS ROCK+SAND
5064,3614022.948,5019987.074,1104.599,GS ROCK+SAND
5065,3614024.613,5020045.260,1103.467,GS ROCK+SAND
5066,3613984.368,5020031.389,1102.800,GS ROCK+SAND
5067,3613975.470,5019985.187,1103.155,GS ROCK+SAND
5068,3614059.203,5019958.840,1104.287,GS ROCK+SAND
5069,3614061.247,5020004.518,1103.732,GS ROCK+SAND
5070,3614055.689,5020044.156,1103.064,GS ROCK+SAND
7000,3613579.865,5019462.547,1078.897,top vcp 8
7001,3613674.655,5019350.617,1081.694,top 8 hdp y
7002,3613675.868,5019350.258,1081.759,top 8 hdp y
7003,3613676.022,5019348.805,1081.738,top 8 hdp y
7004,3614250.041,5018779.988,1096.868,top 8 vcp
7005,3613685.580,5019350.430,1082.064,new tile
7006,3613700.679,5019344.314,1085.688,new tile
7007,3613730.028,5019328.550,1086.808,new tile

7008,3613752.394,5019311.642,1088.533,new tile
7009,3613773.964,5019293.030,1088.754,new tile
7010,3613789.407,5019280.881,1088.219,new tile
7011,3613808.847,5019263.438,1088.268,new tile
7012,3613832.970,5019242.188,1088.587,new tile
7013,3613860.565,5019215.479,1089.374,new tile
7014,3613882.569,5019190.212,1090.438,new tile
7015,3613898.726,5019165.625,1091.860,new tile
7016,3613909.531,5019138.780,1093.296,new tile
7017,3613917.201,5019106.245,1093.704,new tile
7018,3613921.141,5019070.009,1095.045,new tile
7019,3613927.213,5019034.050,1094.237,new tile
7020,3613942.174,5018999.362,1095.181,new tile
7021,3613961.557,5018969.339,1095.660,new tile
7022,3613988.417,5018936.550,1096.676,new tile
7023,3614013.864,5018912.466,1096.820,new tile
7024,3614047.433,5018889.832,1097.166,new tile
7025,3614087.517,5018877.092,1095.892,new tile
7026,3614125.690,5018876.057,1097.743,new tile
7027,3614161.525,5018873.285,1097.156,new tile
7028,3614196.316,5018860.867,1098.113,new tile
7029,3614255.910,5018771.108,1096.921,top 8 vcp
7030,3614249.764,5018780.178,1096.828,top 8 vcp
7031,3613676.534,5019346.573,1081.843,new tile p
7032,3613676.679,5019324.836,1083.559,new tile p
7033,3613681.161,5019295.957,1085.048,new tile p
7034,3613689.533,5019271.298,1086.807,new tile p
7035,3613709.441,5019247.063,1088.417,new tile p
7036,3613739.804,5019226.340,1089.385,new tile p
7037,3613774.046,5019209.303,1088.773,new tile p
7038,3613801.344,5019192.523,1088.752,new tile p
7039,3613826.404,5019167.836,1089.278,new tile p
7040,3613842.619,5019139.036,1089.929,new tile p
7041,3613849.116,5019110.349,1090.853,new tile p
7042,3613852.137,5019082.239,1090.487,new tile p
7043,3613854.504,5019052.224,1093.210,new tile p
7044,3613860.490,5019018.711,1094.495,new tile p
7045,3613867.880,5018985.902,1095.593,new tile p
7046,3613879.366,5018956.504,1097.143,new tile p
7047,3613896.399,5018927.148,1097.042,new tile p
7048,3613916.208,5018898.530,1096.250,new tile p
7049,3613932.910,5018876.059,1097.326,new tile p
7050,3613958.478,5018843.829,1096.870,new tile p
7051,3613975.811,5018821.215,1098.978,new tile p
7052,3614215.414,5018849.881,1098.880,new tile
7054,3613898.954,5018863.533,1094.111,new tile 6 p
7055,3613925.589,5018885.676,1093.722,new tile p tee
7056,3614250.075,5018779.967,1096.921,top 8"hdpe
7057,3614229.986,5018836.936,1095.529,top 8"hdpe

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7058,3614241.373,5018820.305,1095.939,top 8"hdpe
7059,3614250.678,5018802.281,1096.271,top 8"hdpe
7060,3614253.030,5018785.078,1096.516,top 8"hdpe
7061,3614252.033,5018777.022,1097.033,top 8"hdpe y
7062,3614216.578,5018848.802,1095.306,top 8"hdpe y
7063,3614224.333,5018829.493,1095.495,top 8"hdpe
7064,3614224.684,5018828.806,1095.282,top 6"hdpe
7065,3614229.193,5018819.740,1095.409,top 6"hdpe
7066,3614230.569,5018816.411,1095.378,top 6"hdpe
7067,3614233.028,5018803.728,1095.543,top 6"hdpe
7068,3614237.005,5018790.298,1095.653,top 6"hdpe
7069,3613983.010,5018807.874,1097.719,top 6"vcp
7070,3613993.671,5018799.214,1097.379,top 6"hdpe
7071,3613975.996,5018820.566,1095.489,top 6"hdpe
7072,3613985.617,5018810.178,1096.722,top 6"tee

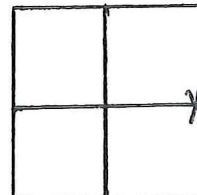
DAILY DRAINAGE REPAIR REPORT
Hamilton County, Iowa

DATE 12-16-20
LANDOWNER Hild/shepherd
REPORTED BY Mark Scott/2nd Rd
DRAINAGE DISTRICT #84 Big four
Harding Co. Control
PHONE _____
TOWNSHIP Williams SEC. NO. 12
MAIN _____ LATERAL/BRANCH 2

DESCRIPTION OF WORK:

Broken tile _____
Tile Size _____
Surface Outlet _____
Intake _____
Repair Bulkhead _____

Engineer Investigation _____
Beaver Dam _____
Spraying/Trees _____



REMARKS: Slough on Road side of ditch

ASSIGNED CONTRACTOR _____
DATE GIVEN TO CONTRACTOR _____

Work order written by Doug Pappert



Emailed Hardin Co. 12-16-20 2:00

