

AGENDA
REGULAR DRAINAGE MEETING
Wednesday, February 17, 2021 9:30 AM

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

**To access the meeting call: 1-(312)-626-6799, when prompted enter meeting
ID code: 820 7567 2007**

You can also access the meeting online at:

<https://us02web.zoom.us/j/82075672007>

1. Open Meeting
2. Approve Agenda
3. Approve Minutes

Documents:

[DD 55-3 LAT 9 - DRAINAGE MINUTES - 01_27_21.PDF](#)
[02_03_21 - DRAINAGE MINUTES.PDF](#)
[02-10-21 - DRAINAGE MINUTES.PDF](#)

4. DD 56 WO 3 - Discuss W Possible Action - Available Dates For Bid Letting
5. DD 128 Lats 1 & 3 WO 2020-12 - Discuss W Possible Action - Tile Condition Update

Documents:

[2020-12 DD 128 ONLY - UTILITY CROSSING SUMMARY 12_09_20.PDF](#)
[DD128 GEHRKE TILE MAP 02-02-21.PDF](#)

6. Discuss W Possible Action - Drainage Assessment Project
7. Other Business
8. Adjourn Meeting

**DD 55-3 Lat 9 DRAINAGE MEETING
WEDNESDAY, JANUARY 27, 2021 11:00 AM**

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

1/27/2021 - Minutes

1. Open Meeting

Hardin County Drainage Chairperson BJ Hoffman opened the meeting. Also present were Trustee Renee McClellan; Trustee Lance Granzow; Taylor Roll, County Engineer; Landowner Scott Thompson; Lee Gallentine of Clapsaddle-Garber Associates (CGA); Mike Richards, The Davis Brown Law Group; Michael Pearce, Network Specialist; and Denise Smith, Drainage Clerk.

2. Approve Agenda

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

3. Introductions/Attendance

Introductions were made and attendance verified.

4. Enter Closed Session With Attorney To Discuss Work Order 251 / Pond Issues

Motion by McClellan to enter into Closed Session With Attorney To Discuss Work Order 251 / Pond Issues As allowed under Code of Iowa Section 21.5(1)(C). Second by Granzow.

Roll Call Vote: McClellan: Aye, Granzow: Aye, Hoffman: Aye

All ayes. Motion carried.

Present for the closed session portion of the meeting were: Trustee Hoffman; Trustee McClellan; Trustee Granzow; Taylor Roll; Lee Gallentine; Michael Richards; Michael Pearce; Denise Smith. Meeting entered Closed Session at 11:02 AM.

5. Exit Closed Session

Motion by Granzow to come out of closed session. Second by McClellan. All ayes. Motion carried. Return to open session at 11:18 AM.

6. Comments/Discussion

Scott Thompson joined the meeting and introductions were made. Hoffman asked if Thompson was aware that he was here because of Work Order 251 and the pond that was built. The Drainage District Trustees were concerned because when we talked about this before, we acknowledged that it needed to be an engineered project, Hoffman asked if Thompson understood that at the time. Thompson stated he has not done any work with the pond, that was what we discussed before with the new tile project, so much water was coming through that there is already an existing basin there. Thompson did not know if the Trustees were aware of that, it was covered by trees, with the increased water flow coming out of the new tile project it was eroding the hell out of it, so Thompson had bowled that out a little bit and impeded no water, we actually increased the holding and flow because before when we got a heavy rain it would back it up across the road, because it couldn't handle it, now we don't have that problem. Thompson stated the pond that he was talking about would be back further and Thompson has not had time to go much further on that, as his business is exploding and spends every minute doing that instead of at his home.

Hoffman asked what kind of work Thompson did on the pond area we do see on the screen. Thompson stated we did a bowling out, basically what we did the sides were straight up and down or undercut, we took it back, we tried doing a 3 to 1 but on the north side it ended up being a 2 to 1 just because the grade of land, it is not as big as what it looks there. Thompson stated the basin before was as wide as from me to the wall and it was deep enough that it was chest high on Thompson swimming in there, it wasn't just a trickle creek going through there, what Thompson calls a creek, you call an open ditch, we caught bluegill and sunfish in there, it held fish year round except for 2012 when it was a big drought year when it dried up pretty much just like this year. Thompson stated that is what we did, bowl that out and made it a little deeper, we did not, get into the road ditch or the fore-slope of that road, Thompson did call the Engineer's office to have someone come out and look at it, Thompson believed we discussed that in one of our meetings once, that we need to get Secondary Roads to see how far we could go and they sent out Karns, and he said you can't go past this point, because that would interfere with roads,

and we did exactly that and didn't go any further. Thompson stated he has pictures to show that the ditch as it flows in is intact, all of the work that we did was on what we will call the back-slope of the ditch where the back-slope would be, but there is no real back-slope there.

Hoffman asked if the work of the bowling out was done utilizing Thompson's own equipment. Thompson stated yes, we had a rainy day and we had an excavator free, this was after Thompson met with Karns, at least 6 months before that, it was just one of those things, yes we can do that and we took out some trees, that were going to fall in anyway, they would have fallen in this year for sure. Hoffman asked if the other project that we previously discussed, no dirt has been turned, if we zoom out on the screen, is not that area. Thompson stated what our tentative plan was that this is just basically a sediment basin, so we get a ton of runoff from Bunte's land, this spring it filled back up with dirt from Bunte's before we made an attempt to restore the weed/grassway there, and we dug that back out but we did plan on having this and a little part of the open ditch and part of a pond that is eggplant shaped. Thompson has measurements, elevations and stuff we sent into CBA in Ames, but Thompson has not had time to even think about doing that because we have been running so hard. Thompson stated he can ere on the side of making money than spending money, that is what I do, Thompson has a whole lifetime to do that if it ever gets approved.

Hoffman asked if Thompson received the other letters that Davis Brown Law had sent. Thompson stated he received this one, dated December 2nd, talking about unlawful obstruction of the flow. Thompson stated he was confused by this because he has obstructed zero flow, he has actually helped it and when it is silted in, Thompson actually dug that out and helped that. Thompson stated he knew there were concerns with the drop off of the road into that basin, and there is markers there. Thompson stated he never touched anything on the fore-slope, that is all original grade, there are markers there, there always has been, the snowplow keeps breaking them off. Thompson stated there are about 6 of them sitting in the middle of that basin, they have the big yellow and black striped ones, about 50' apart, the snowplow has snapped them all off and they are down in there, and there is one left of the new ones they put up. Thompson can grab a picture of that, the grader usually takes them out every other year when he is blading, Thompson can understand why he does that. Thompson stated he thought when he did the basin, but could be wrong on this, Thompson remembers you guys talking about that basin, if Secondary Roads can sign off on it to where it is not going to interfere with their road and it is just that little basin increasing the holding, then that is not a big deal. Thompson stated he called the Engineer's Office, and a lady called him back two hours later, and said this is Mr. Karns' phone number, get a hold of him, he will be the one that comes out, and he is coincidentally Thompson's neighbor to the north. Karns told Thompson not to go past this point and we staked it, and we didn't go past that point, and you can tell, Thompson has a couple pictures but it is hard to tell with the snow, you can tell original grade and then there is what we did.

Hoffman asked on Thompson's proposed project, who did you send your elevations to. Thompson stated he believed it was CBA in Ames, Thompson worked with a girl named Heather down there, that was like maybe last spring, because Thompson's surveyor came out and just shot elevations, the existing grades so Heather could develop a plan, and Thompson has not followed up at all, she could have it done, she could not, Thompson hasn't paid them any money and they haven't sent him a bill. Thompson stated as far as he is concerned he will not be doing anything with that pond at least for the next two years because he will be expanding his business in eastern Iowa and will basically live over there for the next two years, so he has no time to fight with that, and you will be disappointed you won't get to see me for two years. Thompson stated the pond thing is on the back burner, if it happens when Thompson is seventy years old, cool, if it doesn't happen, Thompson will be fine with that, and will work things out, if he has free time in the winter and has a backhoe free he will do some clearing and grubbing, but next winter he will strip black, but finding a home for that much spoils is going to be difficult.

Hoffman stated let's go back to the little pond by the side of the road, how much material do you think you removed when you were doing your contouring. Thompson said it is hard to say, it is still sitting there, probably somewhere between 150 to 200 yards, probably 200 yards, it wasn't a whole lot. Hoffman asked if McClellan had any comments, she did not think so. Granzow stated if any obstruction happens there would you be willing to take care of it. Thompson stated yes, and knows from a previous meetings that Thompson is not allowed to obstruct anything, when we dug that basin, there is no damming, we dug down and out, another rain event or two a couple of the big maples would have gone in, they were barely holding on as it was. Hoffman asked if Gallentine had a comment, Gallentine stated he recommends checking the meeting minutes, what Gallentine remembers being said was you are not allowed to obstruct or modify the district facility and would defer to the meeting minutes.

Richards asked if Thompson had photographs of what he did, Granzow asked if Thompson had before and after photos. Thompson stated he would have to find his before photos, all he has with him is after photos of he what he took today, Thompson's excavation guy has some and he couldn't get them to Thompson in time for today but Thompson has video of that basin from a couple springs ago, when it was flowing through there pretty good, it is pretty impressive when the snow melt comes down that waterway, it sounds like a waterfall. Thompson stated he could get photos, he should brought Al Urhammer with him, as he drives by it every day and can tell you exactly what it has been for how long. Roll stated if you go to the 2016 imagery you can see the overhead view of it.

Thompson stated it doesn't show the original basin real well, it is as wide as this room, when we were fishing, you had to give the pole a little flip, it wasn't just dangling out there, it is deep enough in the original one that is it chest deep on Thompson.

Hoffman stated he thinks one of the most imperative things is if we need to return anything back to the original condition after looking at those things, Hoffman asked would Thompson be agreeable to pay for those associated costs if deemed necessary. Thompson stated he would be open for discussion, in his view Thompson thinks he actually helped it, he knows he helped it because he lives there and sees it every day, any time you can increase water capacity you are doing some good. Thompson stated he did not narrow it, or put in any bends or stop logs, there is a tremendous amount of water that comes out of that new tile project, it drains it fast and hard. Hoffman stated his other suggestion would be to involve a landowners meeting and let the other people that are responsible for the classification's assessment and engage them as well, that might be a critical thing. Thompson stated he spoke with some of his neighbor's and Bunte owns the field to the west, or may be tenant, he is the only one that Thompson has not spoken with about what her is doing, all of his other neighbors are fine with it and are for it. Granzow asked when Thompson refers to neighbors, is he talking about neighbors of the district or just the surrounding area, the district belongs to many acres as neighbors. Thompson stated he has talked to 80% of the landowners in that lateral, Thompson doesn't talk with Bunte much, and has not spoken with Mark Brinkmeyer who owns a large chunk. Thompson stated he believes he has spoken with the bulk of the rest of them, and may have spoken with Randy Dubberke last year, in general they are in favor of what Thompson wants to do, and if it will cost them money then of course no one is in favor of what he wants to do.

Thompson stated he did not do this maliciously and distinctly remembers us talking about that basin, and saying if you can get Secondary Roads to say if it will not affect the road how we did it, or how we planned on doing it that will be just fine. Thompson stated that is why he called Secondary roads and they sent out a representative, if Thompson wanted to do something sneaky, he would not have called half the County and alerted them.

Hoffman asked if Thompson's business was on the Drainage Clerk's list of in-county contractors. Smith stated no it was not. Hoffman stated another remedy is if you do want to do these things, and we have had other people in other areas say we would be more than willing to pay it rather than spread it out over the district's classification, going forward, getting on our contractor list so you could be a responsible contractor, that is a legal term, that requires insurance and some other things. Thompson stated he had insurance, which should be sufficient. Granzow stated we have a lot of people that have the equipment but don't carry the insurance, and we can't allow them to work on district facilities. Hoffman stated if they do it is on their own property. Thompson stated we do a lot of industrial and large commercial work, but those bond prices and insurance are getting way up there in costs. Thompson's world view is that he would never ask his neighbors to pay for anything on his property that he messed up, if Thompson messed it up, his world view is that he is the one paying for it, he would not expect anyone to foot that bill but himself. Hoffman stated we have even had cases of late, where landowners have instructed contractors to do things that have ended up being an impedance or hinderance to the rest, and one gentleman just submitted a \$3,035 check for taking responsibility, so Hoffman appreciates someone with Thompson's moral turpitude to take responsibility, and 8% of society wouldn't do that today. Thompson stated the Trustees do not know him very well, Thompson is a boy scout leader and youth sports coach and what model would this set for his kids if he sets an example for other but does not follow it himself, that is not how Thompson does things. Thompson stated it is his land, if it messes something up, Thompson is responsible for it, as an example it would be no different than if he ruined a road doing something, it would be Thompson's responsibility if he did that. Thompson's view on that basin from his perspective and how he has seen that ditch operate, that is a major plus for what is happening there.

McClellan asked, looking at this image, it looks like the ravine is in the ditch/road right of way, and asked if that was how Roll viewed it. Roll stated those pictures are never perfect and it may be in the angle, McClellan stated in the 2020 image, is the way it is now. Thompson stated that image is probably in the high water, it does flow good and in the spring time it will back it up into the other field, this snowfall we are having will back it up into the other field, it won't be long, maybe like 12 hours and it will be gone, it fluctuates a lot. Thompson does not know if any of the Trustees have been out there, but it is not that far off that gravel shoulder that that culvert stops, and it is kind of an open vee where it empties out. McClellan stated she was out there a year or two ago, and looked at the waterway at Bunte's that Gehrke did the work, Granzow stated it would have been a year ago, McClellan stated they drove her around out there and she did notice how deep that ravine was, but did not pay much attention to this side. Thompson stated last spring we dug probably 50 yards out of that basin this last spring when that whole waterway washed down into that basin. McClellan stated it wasn't seeded there for a while, Thompson stated they didn't put matting down, they just threw some seed down and it is all foxtail.

Gallentine asked after Thompson did this flattening of the basin as you call it or widening out, did Thompson seed that at all, because when CGA was out there, there was no seed down at all, it was just bare raw banks. Thompson stated we threw down some native and it didn't stick, Thompson's end goal was to armor that with some kind of revetment or concrete chunks, because that north wall is a 2 to 1 grade, so that is not going to hold

seed worth a crap. Gallentine stated that was our concern when viewing it, and understands Thompson may have gotten some silt from Bunte but if something is not done with that raw excavation that Thompson has done, and the dirt that is piled up and is just sitting there, it is just going to wash into the open ditch too. Thompson stated yes there is a grass buffer in between the stock piles, that whole open ditch is eroding pretty good anyway, all the banks are undercut and flopping in there, it is Thompson's intention to stabilize it. Gallentine asked okay we were out there in spring of 2019, Gallentine understands that Thompson has been busy and we have had Covid-19 and all of that, but it has been a year and a half, is it has not been stabilized yet when will it be stabilized. Thompson stated it has been pretty stable this spring, it had a lot of weed growth on it, which Thompson knows is not a permanent cover, Thompson is hoping to hydroseed some native or brome in there this spring, because it is so wet you are not going to get equipment down in there, and get something established then, Thompson's whole business is based on turf and erosion control so it is not a good look for him to have bunch of erosion control on his property that we did.

Gallentine stated he is not trying to be personal, but as an engineer when he sees something that has sat for a year and half with no real progress on it, you can understand my skepticism on it that it is going to be done. Thompson stated he understood Gallentine's skepticism on it, he had some leftover big blue stem we threw down in there and Thompson just thinks it all washed out. Gallentine stated as far as the open channel, if that is sloughing in Thompson is welcome to talk to the Trustees or the Clerk who are all here today if you want the district to come in and do something about that since it is a district facility. Thompson stated if he could just get the ok for him to do it himself and pull those banks back a little bit, with his septic being back in there, Thompson likes to be very selective what goes back in there. Gallentine understands that and asked Thompson to be aware that the district facility was there long before Thompson's septic was there. Thompson understands and thinks the first mapping of that open ditch was from 1947, Gallentine stated no it was probably 1909 or 1915, somewhere in there. Thompson stated he didn't see it on any of the maps, it started showing up in the maps in the mid-40's was what Thompson's research showed, but the district may have better maps than what Thompson found. Gallentine stated he was going off the original district map, Thompson stated it has been there for a very long time and is not arguing that. Thompson has every intention of stabilizing that and his intention is to put in some native seed, but it might just be brome because of the water flow. Granzow stated would it be fair to ask that you give us a timeline on that, he knows what Thompson hopes to do, but we need to know what you will actually do. Thompson stated as soon as it gets thawed to where Thompson can hydroseed it, he can just spray it from the road. Granzow asked if that can be done by June. Thompson stated it could be March, Granzow stated he is ok with giving June because we can't know what the weather will do. Hoffman stated if we could ask you to make sure you have it done by June. Thompson stated he can hydroseed it from the road and go from there, the past two years, Thompson had a lot of things planned to do at his place and it did not work out that way.

Hoffman asked if Gallentine had any other comments. Gallentine stated his biggest concern was siltation downstream and with those banks being that steep and not stabilized, it will happen more and more, the only other thing Gallentine would add is that it needs to be pretty clear today whether landowners are allowed to modify district facilities without permission or not. Gallentine stated just to be clear the County Engineer is not the Drainage Engineer. Granzow stated we should go back to the minutes to see what was said there, Granzow recalls something about talking to the County Engineer when it came to the roads but Granzow does not recall this part of saying it okay to do all that as long as the County Engineer says it is fine, let's go back to the minutes and see what they say. Granzow is concerned about the siltation because that is what we are watching for, and if it is going to create a siltation problem down there, maybe there is something we can do to stabilize that to make sure it doesn't happen and Granzow thinks that is what Thompson's intent would be as well. Thompson stated he wants to keep it shaped and not harm anything downstream, Thompson wants to get it back to where it was pre-construction project status and we were catching bluegills and sunfish in there, that would be nice to get it back in there someday. Granzow stated what he was asking that anytime something like this happens is to make sure you have approval from the Trustees, whether we are the Trustees or it is another Trustees, you thought you did. Thompson stated one thing he learned from this is he does this in business but not his personal life, Thompson should have gotten it in writing stating it, and that is a flaw on his end, but he did not think it was any big deal, Thompson was modifying it technically yes but Thompson wasn't narrowing it.

Gallentine interjected the big problem is your definition of an improvement may be different than your neighbor's and it may be different than the Board of Supervisors, it may be different than your future neighbor, that is why it is great to get that stuff ahead of time, consensus and agreement, then everyone is covered. Thompson understands Gallentine's point fully. McClellan states we have a process we have always worked with as far as someone coming in and asking if something can be done, whatever work needs to be done, the landowners come to us, we have the drainage engineer go out and look at it and we have our list of contractors that we know are insured people, it isn't landowners that we rely on to do their own work, we want it to be a licensed and insured contractor. Thompson stated part of his problem is when there is talk of the drainage districts, a lot of it addresses tile, but not an open ditch, Thompson sees that as not a residential setting but it is his residence, he sees that as not different than planting a garden down there, for himself as an acreage owner that is how he viewed it, and Thompson has read more drainage law these past months than he ever wants to read again, hundreds of pages, basically he

knows he is in a bad position because he has to take whatever water is uphill and keep it flowing through his property, until he buys all the land surrounding him. Gallentine stated he knows it is your residence, but think of it this way, the drainage district has a right to be there, they have acquired that right over a hundred years ago, it is no different than if Black Hills Energy had a cross country pipeline that went through your building site, there are certain restrictions, you couldn't build a house over that pipeline, because that right was given away by somebody prior to you, this is the same thing, one of those rights was gone when you bought it. Thompson stated that is another thing, he and his fellow acreage owners always get confused on why when we buy these acreages, not just Thompson's but everyone around him, it is not disclosed we are in a drainage district. McClellan stated we the Trustees agree with you. Thompson stated he and his neighbors were like we didn't even know, what is an assessment. Hoffman stated you may not even know until you receive your first assessment. Gallentine stated that lies with the title companies and the attorneys. McClellan provided an example of someone who bought a farm by Garden City, after buying it he found that there was an open ditch planned to cut through his farm, so Thompson is right we agree. Granzow stated the realtor did not disclose it when it was known. Smith stated Iowa law does not require the realtor or the landowner to disclose that a property lies with a drainage district.

Thompson stated that that is not the Trustees issue, that is just how this law was written a hundred years ago, and wishes that would change because it is not a deceitful thing but as an acreage owner no one has any idea that they are in a drainage district, Thompson did not know. Granzow stated none of that is disclosed, and even family farms that have held land forever over a hundred years, and now the bills have come up they have no idea they were in a drainage district, because their Grandfather never talked about it.

Thompson stated the neighbor's grand-daughter manages the farms to the south of Thompson, and had no idea they were in a drainage district and she grew up there, he was 97 when he died and his Dad lived to be 100, no one ever said anything, they either just took care of it or whatever. Thompson stated nothing he did, he did out of malice, he thought doing that basin he had full permission to do that. Thompson stated he will get it stabilized and go from there. Granzow stated we will go back through the minutes and see what was said there, Granzow stated that is fair to Thompson and to the Trustees. Thompson did not go back that far in the minutes, Thompson went back to June of last year, Granzow stated it would have been farther back than that, Thompson stated more like two years ago. Smith stated that predates her time as Clerk and would have to review the minutes. McClellan stated something that was mentioned that needs to be addressed now is how to move forward is if the banks will be falling in along the district ditch, that isn't something that we can have you go out and do yourself. Thompson stated he would get permission, probably have someone from Gallentine's office and show them, Thompson would never send a bill like that to his neighbors for something like that. Gallentine stated what McClellan is getting at is if it is doing it on your property it is probably doing it on your neighbor's properties downstream and it may be a bigger issue. Smith stated if that is the case perhaps a landowner meeting should happen so that all the other landowners are aware as well. McClellan stated that would probably need to happen if this is a larger issue. Granzow stated we would need to investigate the depth of the open ditch, whether it needs to be cleaned out, if trees need to be removed, and that takes any request from any landowner in the district. Thompson stated that is a step he cringes on because Granzow's connect onto his and his whole thing is wooded and is nice for wildlife. Granzow stated but that is the responsibility of the drainage district. Hoffman that if Thompson wanted to take and do work within your property for the district and send us a bill for zero dollars, having the insurance and everything would be something we could talk about next week, we could allow you to present your insurance and put you on our approved contractor list, if that is something that you and your friends and neighbors in the district want to do us a solid and bill us for nothing and you have insurance. Granzow stated he has done that already, done work for us. Thompson stated it wasn't official work, that was just trying to find a county tile. Smith stated she would need a current copy of Thompson's Certificate of insurance and a list of Thompson's rates for time, labor and equipment.

Gallentine stated he would add that this system works based on work orders that are reported to the Drainage Clerk, it is not a matter of "oh I want to fix this" and went out and fixed it, and send in a bill for nothing, it is not that kind of system. Hoffman stated the process is that in some of this districts that people may not be aware of, they don't know if this is the first time any work has been done in this district for 100 years, so they involve starting the process by calling the Drainage Clerk and saying I think I have a problem, the Clerk will inform the Trustees and create a work order and we delegate our Drainage Engineer to investigate and there is some GPS involved and some records that create a new paper trail, so it is important for the Clerk, our Drainage Engineer and the three Trustees, as we create a new history going forward. Thompson stated he understands all that. McClellan stated if there is

landowner above you or below you that is having an issue because of something you have done, that is why it needs to go through us first so we know if something needs to be done. Smith stated that record keeping portion is so important, you touched on the history of the district, without a history of repair we can't look at what other problems have occurred within the district and decide on a larger scale repair or larger scope of work without those records.

Hoffman asked if Richards had anything to add before we wrap up. Richards stated he had a question after reviewing his notes, Thompson indicated he had submitted some plans to CBA in Ames at some point in time, is that right. Thompson stated yes he sent them, Heather was the girl he was working with and would have to review his notes for her email, what Thompson sent her was elevations so she could start making a plan, we shot the whole bottom and whole lay, we basically shot the whole topography basically of where we are thinking about working and sent them off to her so she could develop something. Thompson has not heard anything from her since he sent that off, but he has also not done any follow up. Richards asked that Thompson was in agreement here today that you are not going to do anything more to the land than what it currently is without making sure that all parties involved are informed as to what is going to go forward. Thompson stated yes. Richards does not have any other questions. Hoffman thanked Richards. Hoffman asked if Granzow had anything else. Granzow stated he would just bring up that like the Radcliffe pond, we have had complaints on that one and it didn't even touch the tile, there are people that are concerned with their districts. Thompson stated the thing about this chunk of land is our water table is so high that he does not need a tile to fill that thing up, you dig down two feet and you are hitting water.

Hoffman's suggestion would be adding this to next week's agenda, he thinks we can send Thompson findings and a plan for remediation in a timely manner and keep moving forward. Hoffman asked Roll if he had anything to add, Roll stated if Thompson needed any concrete to let him know, we have plenty right there in Hubbard. Thompson stated he has his own big pile, Hoffman asked if Thompson needed concrete, Thompson stated he has some, but knows the pile at their shed is quite large. Roll stated that goes for Gallentine also that if he should need any concrete to let Roll know. Thompson stated he might take Roll up on that if his vegetation doesn't stick, we will do a hard armament of the banks and call it good. Hoffman asked if McClellan had anything to add. McClellan did not. Hoffman asked the same of Gallentine. Gallentine stated he would add that he caught most of the motion there, but to just let CGA know what else they need to do on this project. Smith asked if Thompson could provide her with his contact information to communicate the agenda to him. Thompson would provide that to Smith.

Hoffman asked if Richards had anything else, Richards stated he did not. Hoffman stated at this point he would ask for adjournment.

7. Possible Action

8. Other Business

9. Adjourn Meeting

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

REGULAR DRAINAGE MEETING
Wednesday, February 3, 2021 9:30 AM

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

2/3/2021 - Minutes

1. Open Meeting

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

2. Approve Agenda

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

3. Approve Minutes

Motion by Granzow to approve the minutes of Regular Drainage Meeting dated 01-20-21. Second by McClellan. All ayes. Motion carried.

4. Approve Claims For Payment

Motion by McClellan to approve the claims for payment with pay date of Friday, February 5, 2021. Second by Granzow. All ayes. Motion Carried.

DD 41 Portion of Pay Est # 6 - \$2866.93 Hands On Excavating LLC. \$2,866.93
DD 77 Portion of Pay Est. #6 - \$4,743.58 Hands On Excavating LLC. \$4,743.58
DD 123 Portion of Pay Est. # 6 - \$2117.08 Hands On Excavating LLC. \$2,117.08
DD 143 Portion of Pay Est # 6 - \$2324.59 Hands On Excavating LLC. \$2,324.59
DD Big 4 Portion of Pay Est #6 - \$3,213.85 Hands On Excavating LLC. \$3,213.85

In additional discussion on the claims, Smith stated the only DD not included on Pay Estimate # 6 is DD 128 which we are waiting on completion. Hoffman stated he spoke with Handsaker this morning and was glad to see we are moving forward on that, Hoffman asked if Gallentine had anything to add. Gallentine stated he is glad to get that wrapped up to and is looking forward to getting Dean Bright's part done as well.

5. DD 55-3 Lat 9 - WO 251 - Discuss W Possible Action - Update On Minutes Review

Smith stated the Trustees had asked for a review of the minutes on this and to have Gallentine check and see where Heather Thomas was at on the discussion with Thompson regarding the pond. Smith will let Gallentine cover Heather Thomas's update that Gallentine had check on with her about what Thompson had to say about the pond design. Gallentine stated Thompson stated he had spoken with Heather out of Ames with CBA Engineering and it made Gallentine a little bit curious, so Gallentine emailed Heather Thomas and CGA's Ames office to make sure we were not working on a pond that Gallentine was not aware of. Gallentine stated Heather Thomas stated she had been contacted back in 2017 about working on the pond, Heather Thomas did visit the site and after talking with Thompson briefly on what his desires and thoughts were on the pond, Heather Thomas declined the project, so just to be clear, we have talked to him once, but Heather Thomas about working on it, but we are not working on it and never have been. Smith stated she did a quick review on the minutes of that as well, dating back to 2017, and that is where Thompson references that he would have a rough draft of his plans to present at a landowner meeting, and at that landowner meeting it sounds like the Trustees had mentioned they would like to see blueprints from the professional engineer and create a detailed agreement. Smith stated Thompson agreed to develop a site plan for further review by engineers which apparently has not happened. In March of 2017, there was some talk about circulating a petition to abandon the district, and in April of 2017, he referenced that he should receive a permit from the Army Corps of Engineers around a September time frame, Smith is not quite entirely sure what that permit was for, it doesn't go into much detail, and then we jump ahead. McClellan asked if we did get that permit from Thompson. Smith stated no, we got no permit from Thompson from the Army Corps of Engineers and no engineering plan is what Smith's review of the documents show.

Granzow stated in the plans he was talking about the rough sketch, everything else, is it that piece right by the road or the pond he suggested that was farther back in his property. Gallentine stated he thought the plans were for where Thompson wanted to be farther back in his acreage, but since he never disclosed anything we didn't know that for sure, we just saw him out there moving dirt and assumed that is where he was wanting his pond at,

Gallentine the only thing that he did by the side of the road was supplemental and above and beyond any pond he may want to build. Smith stated beyond that we have received no engineering, no formal or professionally approved documents, plans or designs on the pond by the side of the road that Thompson built within our drainage waterway. Granzow stated that was his biggest question, are we talking about two different things, which we are now. Smith stated that was correct. Granzow stated so what he currently did, cleaned it out and created the hole that is there, basically creating a place for subsoil to keep going in and we have talked to him about correcting that, but this is not the pond that he originally came out with. Granzow is clear now, and what Thompson needs to do now is what we told him last week. Hoffman stated he thought we were very clear. Granzow stated in a timeline which he agreed to, and from this I would say it is a dead subject now since it is not the same pond and asked for Gallentine's thoughts.

Gallentine stated he thought that was fair, and he didn't realize he had two projects going on but Gallentine wanted to fully disclose that Heather Thomas had talked to him, but we declined the projects so we are not involved at all on the projects on this end. Granzow stated that is still open for him to get us an Engineer's Report for whenever he wants to do that, but what he has done is not, he did a clean out and changed the banks which could cause more erosion, he will do a correction on that, we have directed him to do a correction on that and he is willing to do everything, all we have to do is follow up and make sure it gets done. Gallentine stated he is not sure if we need to set a calendar reminder for someone to go out and do that to see if he has seeded it or not. Granzow stated he thought Thompson was to put a concrete revetment in too wasn't he and we gave him until June. The Trustees agreed with that, Granzow asked Smith to add that to the Drainage Calendar as a reminder. Smith stated she would do that.

McClellan stated Smith had mentioned was some conversation about dissolving the district. Smith stated at one time in 2017, someone had mentioned that Thompson was circulating a petition to dissolve the district, that petition has never surfaced to Smith's knowledge to be presented to the Drainage Clerk or to the Trustees. Granzow stated he was not concerned about it. McClellan stated she was just curious how far that had gone. Gallentine stated the tough thing is this is a lateral of a very large district, Gallentine does not think you can just dissolve a lateral but can't remember, it seems like the Trustees went through that recently on DD 26 Lat 4 where they wanted to do something with just the Lateral and not the whole district. Gallentine stated if a petition gets filed you can deal with it then. McClellan was just going to ask that too, they can abandon the lateral if they want but not leave the whole district, Granzow stated yes. Hoffman stated so really no action at this time, we just reviewed the history and asked if Gallentine had anything to add at this time. Granzow stated he would like to thank Smith and Gallentine for all the input and the minutes review because that really made a big difference, the Trustees concurred.

6. DD 167 WO 260 - Discuss W Possible Action - Repair Summary

Gallentine stated this is a work order we did and referenced the map, west of New Providence where we have two tile that run parallel to each other, very shallow. At the downstream end of it near the outlet, Mr. Bernard had reported it that there was quite a bit of erosion and blowouts, so we finally got a contractor available, Adam Seward. Seward came in and we rerouted the new main tile outlet away from where the original was because there is quite a gully there, we did a spot repair, and removed some trees and brush, it wasn't a huge significant length of new tile, but it was a start and we did put in larger tile that was deeper, so hopefully someday if more needs done, when the budget allows we can keep on replacing farther east of town. Overall, there is not a whole lot of recommended actions, there was some beaver activity downstream of this outlet that Seward took care of while he was out there, we recommend the monitoring for that and trapping as necessary. Gallentine stated the existing spot repairs we did or the spot repair on existing tile, so we did it again, is way shallow, a lot of it has maybe 1' to 1-1/2' of cover on it, we still recommend something being done, and we have been through the landowner meetings and they don't want to spend the money and that is fine, we are just reminding you of that. Gallentine stated we don't think the grass seeding was completed during construction and will probably need finished up in the spring, we recommend the landowner and the contractor be notified of that and recommend the Drainage Clerk follow up.

Motion to acknowledge receipt of DD 167 Work Order 260 Repair Summary. Second by McClellan. All ayes.
Motion carried.

7. DD 56 WO 3 - Discuss W Possible Action - Update On Engineering Documents

Gallentine stated this is where we are splitting the district in half and we had a landowners meeting over at the EOC, and believed Mr. Larson had inquired where we are at, and hadn't seen anything yet as far as bid letting goes, we are working on plans and getting those wrapped up. Gallentine stated the on question he has for the Trustees is: this is the one where we are going outside of the district to connect to the new outlet that will be rather deep, we don't have signed right of way yet, do we go forward with the bid letting as soon as we can even though we don't have right of ways signed yet to try to get some better winter pricing and just put that into the specs so

the contractors are aware, or wait until that right of way is in place. Gallentine stated he believed that a couple of those landowners are out of state landowners, so it may take a while. Granzow stated can we go ahead with the bid letting without that and cancel the whole thing if we do not get an easement. Gallentine stated yes if we write that in the specifications, yes. Granzow stated he thinks that would be the best scenario because if you don't get the easement, Granzow is not about eminent domain. McClellan agreed. Gallentine stated he knows the Trustees are not, so that is why Gallentine just wanted to check on the timing on that, that being said we will get those out hopefully in the next week or so and get bids in the first part of March. Granzow stated it will be under the stipulation that we get easement or right of way. Gallentine stated yes if we don't get right of way the whole thing is canceled.

Hoffman offered Larson the floor. Larson asked if the project would go out for bid in March. Gallentine stated we will put this out for bids here in the next week or two and then we will get the bids back in March. Larson asked if there will be an engineering review cycle before prior to that. Gallentine stated yes, we will give the district these copies of the plans and specs and they will have to approve the formal bid letting date. Larson asked for a bid letting in March what would be the construction window roughly. Gallentine stated he would leave the construction window open to the contractor, but it should be completed by the end of this year. Hoffman asked to avoid crop loss damages and other claims, would this be a fall construction. Gallentine stated if we are going that deep at that length, we will leave it open to the contractor and they may want to build it during the summer. Hoffman asked if Larson was on Smith's list for receiving updates. Larson stated he is not sure, he looks at the meeting agendas, and minutes online, and asked if he would catch them there. Smith stated if Larson would call back after the meeting with his email address, Smith will add him to her update list.

Larson stated we have received final wetland determinations for their property, what does Larson do with that information now. Smith stated to please forward on to the Drainage Clerk. Gallentine stated please send a copy to the Clerk and she will send a copy on to Gallentine that way it is in the district records also. Larson thanked the Trustees. Hoffman thanked Larson for his participation. Granzow asked if Gallentine needed any action on that, Gallentine stated no, just seeking direction more than anything.

8. Discuss W Possible Action - IDDA Membership

Smith stated that she had reached out to John Torbert to let him know that the Trustees have approved our membership in the IDDA and Torbert will prepare a new invoice in the accounting department to send to us. Smith has also included in today's documents on the Smartboard, a draft of a letter that addresses #'s 8 and #9 on the agenda, both IDDA Membership and Drainage Assessment Project. This letter is to the Private Drainage District Trustees, to let them know that we have approved joining the IDDA's membership and mutual protection fund, the letter gives some specifics from the IDDA literature on what those benefits include. Smith provided the Trustees with a copy of the letter with their agenda and emailed a copy to both the Trustees and Gallentine. Smith stated this letter also gives the Private Trustees some kind of background as to why you are seeking membership in the IDDA which would include recent issues with wind turbines, the increase in drainage utility permit applications and issues, and other legal matters pertaining to Iowa Drainage Law and also it kind of covers the potential assessment project we are looking at, it gives them a very brief rundown of what that potential assessment would look like, what it would be used for, for legal and publication costs and a portion of the Drainage Clerk's salary. Smith stated the draft letter also indicates there will be a possible future meeting that would invite all Private Drainage Trustees to come and attend, that the Trustees might discuss IDDA Membership with them and the potential assessment project, and whether the Private Trustees would like to implement those two things within their own districts. Smith wanted the Trustees review on this because Smith feels this letter should come from the Board of Supervisors acting as Drainage Trustees and not necessarily the Clerk, and that is how it is written and drafted. Smith stated if the Trustees want to look it over this week we can bring it back and agenda it next week, and the Trustees can direct Smith to make any changes they would like to see or other information you would like included.

Granzow asked would it be fair to say if they don't do the assessments as part of the Clerk's salary that we would assess or bill them regardless, Hoffman stated in a minimum of one hour increments, that is something we can discuss. Hoffman stated he thinks they will go with this, but when we get to that point, they must understand there is a cost to do business. Granzow stated we can do it through their assessments, we can charge to them for her actual costs, this is just a way to make it universal. Granzow stated he did not know if they wanted that in a letter, it sounds like more of a threat, and does not mean it to be. Hoffman stated it may be perceived as that up front, if someone is hesitant, we meet with them and then explain it. Granzow stated one way or another, we will charge you as part of a new system. Smith asked if there were revisions the Trustees would like her to make, what would that look like. Hoffman stated he would need time to look it over and review it. Smith asked if the Trustees would like this on the agenda for next week, the Trustees would like it on the next agenda. Hoffman stated he could go through it today and bring any changes he would like to see to Smith. Smith stated she did not want to speak in

the Trustees voice in this letter in a way the Trustees feel is not appropriate, so that is why she is asking for feedback. Hoffman appreciates that, and it has to come from the Trustees.

9. Discuss W Possible Action - Drainage Assessment Project

Smith stated she will have numbers for the Trustees next week on the \$1,500 assessment versus the \$5 or \$10 per parcel assessment, the Trustees had asked Smith to come up with those numbers as well, and Smith will have those ready for next week.

10. Other Business

Gallentine stated he did get the tile map from Gehrke for the DD 128 Lat 1 & Lat 3 for the farm on the opposite corner from Dean Bright's – Sandy Trampe's farm and it looks like Lateral 1 & 3 are both active and used according to that map. Gallentine would like to re-agenda that to see how the Trustees would like to handle that. Lateral 3 was discovered by the utility company in not good shape, so Gallentine assumes we will probably need to do some investigation to figure out what repairs need to be done, Lateral 1 was never found, but with this tile map it may aid us in giving us a better place to look. Gallentine stated it can be officially on the agenda to discuss next week.

11. Adjourn Meeting

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

REGULAR DRAINAGE MEETING
Wednesday, February 10, 2021 9:30 AM

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

2/10/2021 - Minutes

1. Open Meeting

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

2. Approve Agenda

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

3. Approve Minutes

Motion by Granzow to approve the minutes of Regular Drainage Meeting dated 01/27/2021. Second by McClellan. All ayes. Motion carried.

4. Approve Claims For Payment

Motion by McClellan to approve the claims for payment with pay date of Friday, February 12, 2021. Second by Granzow. All ayes. Motion carried.

DD 146 WO 228 - ENG SVCS 12/26/20 - 1/29/21	Clapsaddle-Garber Assoc	\$ 404.30
DD 9 WO 229 - ENG SVCS 12/26/20 - 01/29/21	Clapsaddle-Garber Assoc	\$1,528.50
DD 20 WO 302 - ENG SVCS 12/26/20 - 01/29/21	Clapsaddle-Garber Assoc	\$ 630.30
DD 25 WO 1 - ENG SVCS 12/26/20 - 01/29/21	Clapsaddle-Garber Assoc	\$ 631.65
DD 42 WO 297 - ENG SVCS 12/26/20 -01/29/21	Clapsaddle-Garber Assoc	\$1,059.50
DD 55-3 WO 251 - ENG SVCS 3/27/20 -1/29/21	Clapsaddle-Garber Assoc	\$ 195.00
DD 56 WO 3 - ENG SVCS 09/25/20 - 01/29/21	Clapsaddle-Garber Assoc	\$1,771.60
DD 143 WO 261 - ENG SVCS 05/30/20 - 01/29/21	Clapsaddle-Garber Assoc	\$ 239.00
DD 143 WO 305 - ENG SVCS 12/26/20 - 01/29/21	Clapsaddle-Garber Assoc	\$ 526.40
DD 167 WO 260 - ENG SVCS 12/26/20 - 02/04/21	Clapsaddle-Garber Assoc	\$1,229.30

5. DD 128 Lats 1 & 3 WO 2020-12 - Discuss W Possible Action - Tile Condition Update

Gallentine stated this is the result of another utility permit. Gallentine referenced a private tile map provided by Gehrke. this is on the Sandy Trampe farm west of Steamboat Rock, the north Lateral right up there by the T intersection, that is Lateral 3, that was found by Heart of Iowa, and they found it to be not in good condition and there was questions as to whether anything was actually hooked to and whether it should be investigated as far as doing some repairs, there is a decent amount of private tile that is connected to that so that is an active district outlet for that farm. Gallentine stated that is Lateral 3 and once you go south to the next tile that is Lateral 1, Heart of Iowa could not find Lateral 1, and the other utility company didn't even bother looking, there was some doubt as to whether Lateral 1 was ever installed or not, but obviously looking at the map there is private tile connected to it there and it discharges to the east so that one is active too. Gallentine stated it would be our recommendation that Lateral 3 the condition be investigated since it is being used and Lateral 1 be found. Gallentine does not think Heart of Iowa should do it because they were shallow enough, they shouldn't have hit it, Gallentine thought the other permit was with Alliant. Smith stated she thought that was correct. Gallentine stated he believed Alliant should go out and find it or get a contractor to go out and find it and verify they didn't hit it because Alliant's installation was in before they even looked for any tile, maybe the Trustees would like to invite Bernie Oleksa of Alliant back in for a meeting and discuss it with him. Granzow asked if it goes farther south and referenced a tile farther south of Lateral 1. Gallentine stated that is but there is no real district tile in that vicinity and Gallentine is not sure what that discharges to, if there is another private one that crosses the road to the east and then it continues farther east or what is there. Gallentine stated the far south one is a private tile and that goes down to DD 78 the south and knows that is where that one goes. McClellan asked if this is in the road ditch that Alliant was working. Gallentine stated yes.

Motion by Granzow to instruct the Drainage Clerk to send a letter to Bernie Oleksa of Alliant stating that there are tile that were found to be hooked to Lateral 1 and we need Alliant to locate Lateral 1 and provide verification that it hasn't been disrupted. Second by McClellan. All ayes. Motion carried.

Smith will make that communication to Oleksa.

Gallentine stated Lateral 3 was the one that Alliant found and Alliant cleared it by 1/2 a foot, and it was in not good shape when Heart of Iowa found it, not due to Alliant just due to its existing condition, Gallentine stated he believed it was left open or temporarily repaired if he recalled correctly, CGA recommends some investigation to see how bad the condition is. Granzow stated he did not think we need Alliant to pay for anything on that lie, we just need to go out and investigate it. Granzow stated when he spoke with Sandy Trampe that was part of what Granzow talked about, it is in bad shape and you will want to now what you have got, and yes she did hook a lot of tile to that. McClellan asked if we need to have that televised. Gallentine stated he would try televising it especially under the road to see what condition it is in and based off that, we can send it to the lottery system.

Motion by McClellan to have DD 128 Lateral 3 televised and based on those findings to send it to the lottery system for repair. Second by Granzow.

In additional discussion on the motion, Granzow asked when you go to televise, what side will you start from the east side or the west side. Gallentine stated he would start from the west because we know where it is, that should minimize the time digging, where as Gallentine does not know what kind of angle it takes under the road.

All ayes. Motion carried.

6. Discuss W Possible Action - IRUA Drainage Utility Permits

Smith stated she had reached out to the IRUA because we had talked with in the past last September, and they stated then that they would get those utility locates completed and wrapped up by the end of the year and they had not completed them. Smith stated she received an email back from Matt Mahler at the IRUA who said he will circle back with the Districts when the frost is out of the ground in the spring. Smith did bring up the issue of the check we are still holding from the IRUA to CGA that check is now expired again, this will be the second time, and Smith asked Mahler what his thoughts were on that, and Mahler stated either the Drainage District can continue to hold the check until the permit work is accepted and cash it and then remit payment to CGA or IRUA can cancel the check and then simply issue a new check directly to CGA for the amount when the permits are accepted. Smith stated they are comfortable with either scenario, looking back through the minutes it looks like we were hoping to see some completion on those punch list items and locates before that check was transacted whether it be through us to CGA or to CGA directly. Smith's thoughts on that were to sit on it a little bit longer and see if we get any action on getting those locates done. Smith just wanted to let the Trustees know we had an update and we are not letting it lie dormant forever, and we keep after them to make sure they are still communicating their progress.

Gallentine stated with the IRUA per IRUA's email, they are under the assumption that after they go out and locate things and CGA goes out and shoots them, that the district Trustees are paying for CGA to go shoot them, IRUA is not. Smith stated she thinks the assumption was that once this check if it were to be cashed that is an acceptance of what they have done and the IRUA is calling it good at that point. Gallentine stated that check is for services already rendered and does not cover anything additional that needs to be done. Smith stated that was correct. Granzow stated Mahler may want that sent to him, so that they are aware of that and we are clear. Gallentine stated he just needs clarity, once they go out and locate stuff and we go out and shoot it who are we to invoice. Granzow stated that would be the IRUA, that was part of the permit. Gallentine stated it was part of the permit but if you read IRUA's email they are under the assumption the district is paying for that part and they are not. Granzow stated he thinks that needs clarified to the IRUA, that this is still part of the permitting process to finish their work. McClellan stated they planned on doing it at the time. Granzow stated they had the choice to start with so why should we have to pay for it again, Granzow believes it is their expense, the Trustees concurred on this. Granzow stated why even have them go out, we will just do it. Gallentine stated in the IRUA's email it stated that CGA's fee for this work will then be invoiced to the Drainage Clerk.

Granzow stated he felt we better notify the IRUA of that. Smith stated she had not replied to this email yet, simply because she wanted direction from the Trustees. Gallentine could not remember how we left it with the IRUA, and wanted to make sure before we get into this we don't end up with the same thing we had with them before "that's not what I agreed to"., Granzow stated if we are going to foot the bill to go out and do it, why even involve them at all, we would just submit a claim against them for not doing it. McClellan stated this is something they are supposed to be doing as they do the construction, Granzow stated as they agreed to. McClellan stated if they are not doing it and we have to do it then it will be charged to them. Gallentine stated it is kind of the same story the whole way with those guys, they just do what they want and ignore the agreement. McClellan stated they ignore what we say too as they can't follow instructions. Smith stated she can communicate this to the IRUA and let them know that this will not be a conclusion of fees from CGA and that any future fees incurred from the locates will be billed to the IRUA and paid by the district. Granzow stated as stated in their permits. McClellan asked if part of this was because when they were doing their locates their information was not accurate. Granzow stated they turned in information after the fact that was not accurate, a piece of concrete and a piece of plastic are pretty obvious the

difference between the two. McClellan stated they can't give the appropriate information, they are paying CGA to do it for us. Granzow stated as permitted to do the work, Granzow stated it would be appropriate to attach a copy of their signed permit to the communication. Smith stated she can attach that to the email, McClellan stated with permit requirements highlighted, Granzow stated and their signature.

7. Discuss W Possible Action - Drainage Assessment Project

Smith stated she was still working on numbers for the Trustees and had hoped to have them ready today, for a \$5 and a \$10 per parcel assessment or a \$1,500 possible assessment. Smith will have those complete and ready for the Trustees next week. Smith did not know if the Trustees have had a chance to review the draft of the letter to the Private Trustees yet, Smith spoke with the Treasurer and she has not had a chance to look over the letter and drafts of notices yet. Smith stated she will keep this on the agenda for next week and just wanted to give the Trustees a brief update.

8. Other Business

DD 56 - Gallentine stated we will have plans and specifications for DD 56 ready for you next week so we can go ahead and get the bid letting date set next week.

Smith stated she had been trying to keep in contact with Casey Huff of Midland Power on their Drainage Utility Permits as well, they have 10 open permits, and Smith has reached out to Huff for an update, who will reach out to Barry who is Midland's construction supervisor and see what the status of the permit locates are. Smith has not heard anything back so she will touch base with Huff again. Smith is trying to keep on top of the permits, so they don't drift off and we are still working on those.

9. Adjourn Meeting

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



Drainage Utility Permit Application Hardin County

Applicant: Heart of Iowa Communication Coop - Jay Duncan

Contact Email: jduncan@heartofiowa.coop

Contact Phone: (641) 486-2211

Utility Type: N/A - Utility Permits Only

Drainage District: DDs\DD ~~44~~ (51069)

Description of Work: DDs ~~44, 62, 1, 128, 78, 63, 8, 93 & 94~~ - Heart of Iowa - Install fiber optic cable in rural areas of Eldora & Steamboat Rock. Will work with CGA on facility crossings.

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

Applicant Signature

Date

Submit Form and Location Plan To: Hardin County Auditor's Office
Attn: Drainage Clerk
1215 Edgington Ave, Suite 1
Eldora, IA 50627
Phone (641) 939-8111
Fax (641) 939-8245
drainage@hardincountyia.gov

For Office Use Only

Application Approval:

By:  Date: 6-7-2020
Board of Supervisor Chairman, Acting as Drainage District Trustee

APPROVED PERMIT # 2020-12

- Application in TCM
- GIS Annotation
- Approval Emailed



HARDIN COUNTY

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

HARDIN COUNTY DRAINAGE DISTRICT UTILITY PERMIT APPLICATION

Applicant: Heart of Iowa Communications Cooperative
 Company Name
PO Box 130
 Address
 Union IA 50258-0130
 City State Zip
 Applicant Contact: Jay Duncan (641) 486 - 2211
 Name Phone
jduncan@heartofiowa.coop
 Email

Utility Type: Fiber Optic

Drainage District(s) Crossed: ~~44, 62, 1, 128, 78, 63, 8, 93 & 94~~

Facilities Crossed (specific tile, open ditch): tile and open ditch

Description of Work: Install fiber optic cable in rural areas of Eldora and Steamboat Rock. Will work with CGA on
facility crossings.
 (Location plan of proposed utility must be attached.)

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

[Signature]
Applicant Signature

6/10/2020
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: [Signature] Date: 6-7-2020
Board of Supervisor Chairman, Acting as Drainage District Trustee
 APPROVED PERMIT #: _____



HARDIN COUNTY

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

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

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

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.



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ELDORA, IA 50627
(641) 939-8108

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 as rapidly as possible and any tile repairs caused by this blockage will be immediately repaired at the Applicants expense.
 - b. If the crossing involves an open ditch that is carrying sufficient flow of water to make it necessary to place a temporary dam across said open ditch, such temporary dams may be constructed only upon approval from the Drainage District designated representative. The maximum elevation of this impounded water shall be determined by the designated Drainage District representative and all excess water must be allowed to flow across the construction ditch through either a closed metal culvert pipe or by pumping. All temporary dam structures are to be removed as soon as the crossing is completed. The construction and removal of these dams shall be in such a manner that the smooth and efficient function of the drainage ditch is not impaired, with all costs and damages borne by Applicant.
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.



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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.



Utility Permit #2020-12

Utility Observation Report

General Information	
Project Name and Number:	Utility Crossing 6935.5
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:	10-21 & 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: 1092.4'
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: 6.7'



Utility Permit #2020-12

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:	Tile was found to be broken in the observation excavation, with the existing Lateral 3 VCP tile 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 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. However, given the boring was conducted only 1-foot below the ditch bottom elevation, it is highly unlikely that it would conflict with said Lateral 1 tile.

The piece of the Lateral 3 tile that was found to be broken prior to the observation excavation, with the VCP material observed in generally poor condition. CGA recommends a repair and possible investigation into the condition of the tile in this area.

CONSTRUCTION ENGINEERING
OBSERVATION REPORT

DATE:

10-29-2020
~~68~~ 10-21-2020

PROJECT NUMBER:

6935.5

COUNTY, ROUTE, ROAD:

B00 #128

LOCATION:

D-35 + S-55

DAYS OF WEEK:

S M T W T F S

SHEET NO.

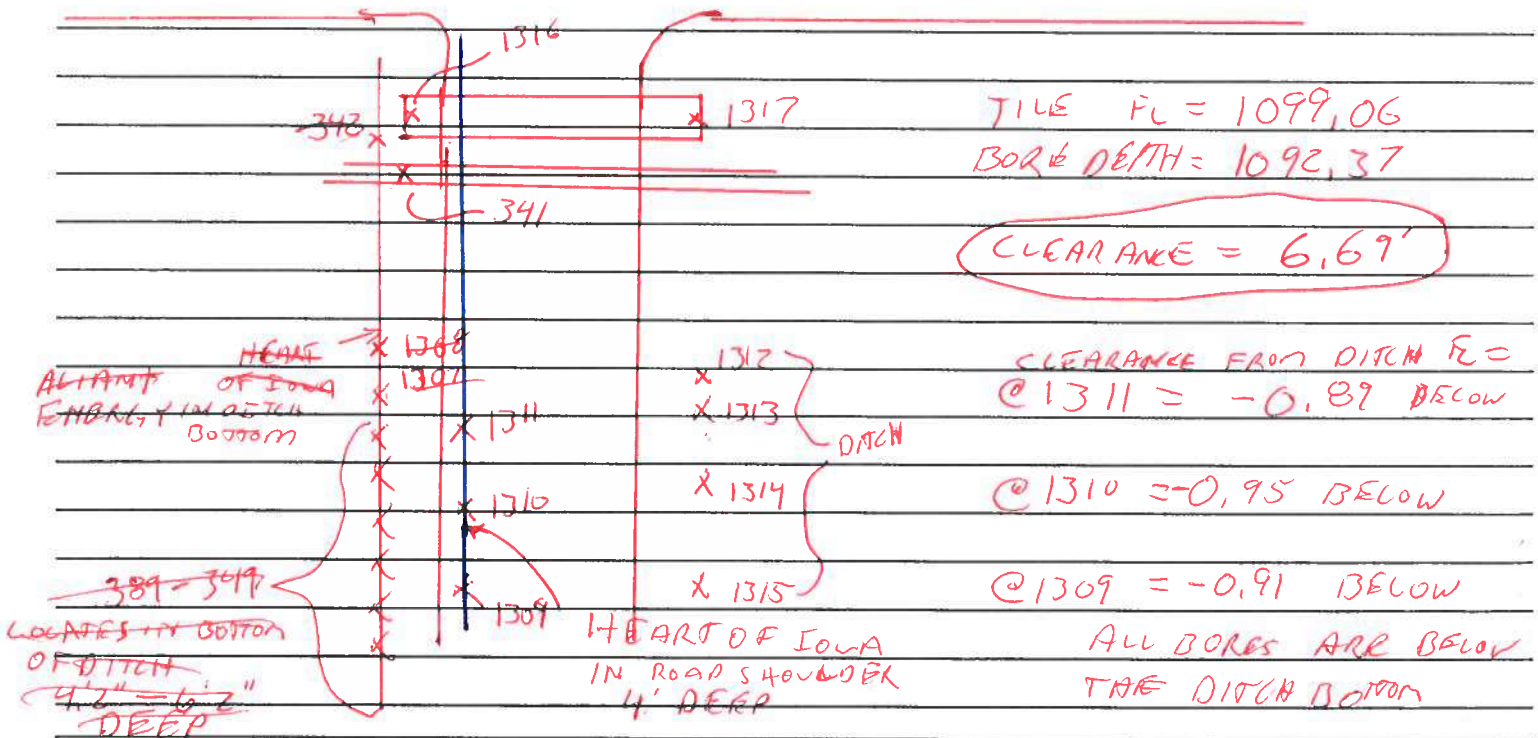
1 OF 1

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

~~FOOK~~ SHO T 2 √3

FOOK SHOT ON TILE (#341) BORE WAS NOT RAN YET.
TILE WAS BROKEN DOWN STREAM END WAS 1/4 FULL + UP
STREAM END WAS 3/4 FULL OF DIRT.

CALLED MARRIN AFTER I SAW NO BORING DEPTHS
HE SAID THAT THE BORE IS 8' BELOW THE CULVERT



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: _____

@341 Looking N.



2020/10/29



2020/10/29

CROSSING @ 1310

DEPTH @ 1310



2020/10/29



2020/10/29

CULVERT @ 1316

GPS #341



upstream @ 341



Downstream @ 341



2020/10/21

Downstream @ 341



2020/10/21

Upstream @ 341



2020/10/21

Downstream @ 341



2020/10/21

GPS #341



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

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

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

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

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
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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
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5009,3614182.008,5019897.406,1092.429,GS
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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
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5023,3614042.337,5019746.105,1100.718,GS
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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

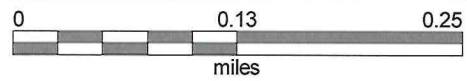
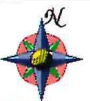
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5030,3613943.591,5020149.260,1102.351,GS
5031,3613940.800,5020070.100,1102.305,GS
5032,3613938.065,5019990.718,1100.481,GS
5033,3613937.403,5019912.996,1100.478,GS
5034,3613937.682,5019834.054,1101.404,GS
5035,3613936.651,5019756.875,1101.061,GS
5036,3613881.337,5019760.681,1098.378,GS
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
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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
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5066,3613984.368,5020031.389,1102.800,GS ROCK+SAND
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5068,3614059.203,5019958.840,1104.287,GS ROCK+SAND
5069,3614061.247,5020004.518,1103.732,GS ROCK+SAND
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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
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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



Sandy Trampe
Jackson 26

- 4 inch existing
- 4 inch muck tile
- 4 inch tile
- 5 inch existing
- 5 inch tile
- 6 inch existing
- 6 inch tile
- 7 inch existing
- 8 inch existing
- 8 inch tile
- 10 inch existing
- 10 inch tile
- 12 inch existing
- 12 inch tile
- existina tile / other