

**AGENDA
REGULAR DRAINAGE MEETING
OCTOBER 24, 2018**

1. Open Meeting
2. Approve Agenda
3. Approve Minutes
October 17, 2018 Regular Drainage Meeting

Documents:

[10_17_2018 - DRAINAGE MINUTES.PDF](#)

4. Approve Claims For Payment
Pay Date of Friday, October 26, 2018

Documents:

[PAYABLES-DRAINAGE PUBLICATION.PDF](#)

5. Discuss, With Possible Action, Repair Summary For Utility Permit #2018-4

Documents:

[2018-4 HEART OF IOWA UTILITY PERMIT REPAIR SUMMARY.PDF](#)

6. Approve Utility Permit #2018-11 With Century Link

Documents:

[2018-11 CENTURYLINK UTILITY PERMIT PLANS.PDF](#)
[2018-11 CENTURYLINK UTILITY PERMIT.PDF](#)

7. Approve Utility Permit #2018-12 With South Front Networks

Documents:

[2018-12 SOUTH FRONT NETWORKS UTILITY PERMIT.PDF](#)
[2018-12 SOUTH FRONT NETWORKS UTILITY PERMIT PLANS.PDF](#)

8. Other Business
9. Adjourn Meeting

REGULAR DRAINAGE MEETING

10/17/2018 - Minutes

1. Open Meeting
Hardin County Board of Supervisors Chairman, BJ Hoffman, opened the meeting. Also present were Supervisors, Lance Granzow and Renee McClellan; Ed Drake and Dave Nelson with Radcliffe Telephone Company; Dan Olsen and Randy Wikert with Finley Engineering; Lee Gallentine and James Sweeney with Clapsaddle-Garber Associates (CGA); Drainage Clerk, Tina Schlemme.
2. Approve Agenda
McClellan moved, Granzow seconded to approve the agenda as presented. All ayes. Motion carried.
3. Approve Minutes
Granzow moved, McClellan seconded to approve the minutes of the October 10, 2018 regular drainage meeting. All ayes. Motion carried.
4. Discuss, With Possible Action, Utility Permits With Radcliffe Telephone Co
Much discussion was had regarding the outstanding utility permit with Radcliffe Telephone Company. Drake explained that a portion of the project plans submitted were a part of a previously submitted utility permit with secondary roads before the drainage utility permit application process began. It was clarified that the solid lines on the plans were already installed and the dashed lines were proposed installation for this permit. It was stated that the fiber optic line would be installed at 30"-32" and it appears the tile (from intakes) is approximately 8 feet deep. Radcliffe Telephone would more than likely be asking for a variance to bury their cable above the tile. Drake, Olsen, Wikert and Nelson agreed to work with CGA on compliance moving forward. Schlemme is to send all GPS points from previous Buckeye drainage projects to Drake to assist in locating the tile. Drake agreed he would try to submit suggestions to modify the existing permit for better clarification. Granzow moved, McClellan seconded to suspend the cease and desist order for Radcliffe Telephone Company for them to work with CGA on installation. All ayes. Motion carried.
5. DD 52 - Approve Legal Petition To Be Filed With Piel Manufacturing
No action was taken as the petition has not been received yet from the attorney for approval.
6. DD 25 - Discuss, With Possible Action, Updates On Project

Gallentine stated he has not received all the necessary documentation as requested from Farm Tile Pro. No action necessary.

Schlemme added that Drainage Attorney, Mike Richards, had updated that the railroad is working with him and they should have an agreement to proceed with the project by next week.
7. DD 25 Lat 3 - Approve Work Order Request #226
Granzow moved, Hoffman seconded to approve Work Order Request #226 for a blowout reported in the SW1/4 of 22-86-22 near the last repair in the apple orchard. CGA is to investigate and report back. All ayes. Motion carried.
8. DD 55-3 Laterals 9, 9A And 9C - Acknowledge Receipt Of Completion Report And Set Completion Hearing Date
McClellan moved, Granzow seconded to acknowledge receipt of the Completion Report on Repairs to Laterals 9, 9A and 9C dated October 15, 2018 and to set the hearing date as Wednesday, December 12, 2018 at 1:00 P.M. in the lower level conference room. All ayes. Motion carried.
9. Other Business
DD H-H 3-110 - Schlemme stated the Randy Silvest had stopped in and was upset with a letter he received from Hamilton County. He would like drainage facilities installed to his property line rather than needing to install 1/2 mile of tile through a neighbor's land to obtain an outlet. This tile would be located in Hamilton County. The Trustees agreed for Schlemme to send a letter to Silvest stating the procedures on how to petition for an improvement and cc: Hamilton County on it.
10. Adjourn Meeting
Granzow moved, McClellan seconded to adjourn the meeting. All ayes. Motion carried.



Hardin County

Drainage Claims with Pay Date of 10/26/2018

Description	Vendor	Amount
DD 55-3 LAT 9C PAY ESTIMATE 5	Hands On Excavating LLC.	399.28
DD 124 ENG SVCS 8/27-9/20	Clapsaddle-Garber Assoc	721.35
DD 167 ENG SVCS 9/14-10/12	Clapsaddle-Garber Assoc	964.00
DD 25 LEGAL SERVICES	The Davis Brown Law Firm	560.00
DD 25 ENG SVCS 9/14-10/12	Clapsaddle-Garber Assoc	2,284.70
DD 55-3 LAT 12 LEGAL	The Davis Brown Law Firm	752.50
DD 95 WO 162 CLAIM FOR DMGS 2018 SOYBEANS	Cleveland, James O	1,304.04
DD 55-3 LAT 9 PAY EST 5	Hands On Excavating LLC.	538.60



Drainage Utility Permit Application

Hardin County

5-2-18
Tina will
e-mail us
maps.

Applicant: Jay Duncan

Contact Email: jduncan@heartofiowa.coop

Contact Phone: (641) 486-2211

Utility Type: Communications

Drainage District: Drainage Districts \DD 48

Description of Work: Install fiber optic to house number 20024.

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

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

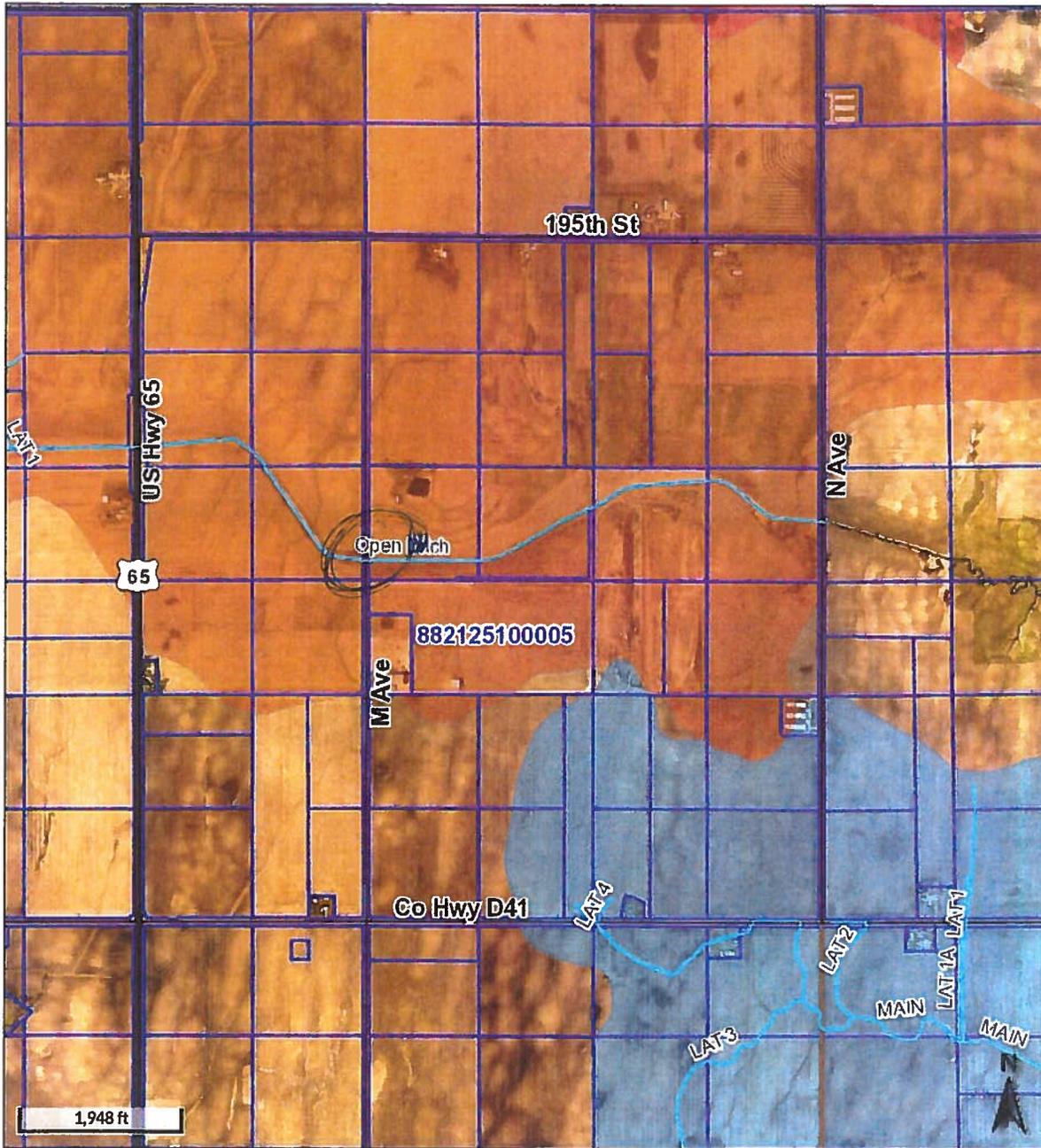
FILED
OCT 17 2018
HARDIN COUNTY AUDITOR

For Office Use Only

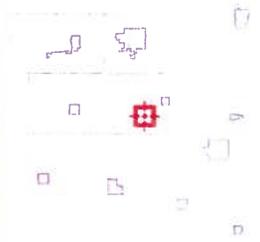
Application Approval:

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

APPROVED PERMIT # _____ **2018-4** _____



Overview



Legend

- Corporate Limits
- Political Township
- Roads**
 - County Road
 - Federal Highway
 - Local Road
 - State Highway
 - Town Road
- Parcels
- Drainage Tiles
- Drainage Districts**
- <all other values>
- Big Four
- D.D. No. 1
- D.D. No. 10
- D.D. No. 100
- D.D. No. 101
- D.D. No. 102
- D.D. No. 103
- D.D. No. 106
- D.D. No. 108
- D.D. No. 109
- D.D. No. 111
- D.D. No. 110
- D.D. No. 111
- D.D. No. 113
- D.D. No. 114 Ex. of ;
- D.D. No. 116
- D.D. No. 118-232
- D.D. No. 119
- D.D. No. 12
- D.D. No. 120
- D.D. No. 121
- D.D. No. 122
- D.D. No. 123
- D.D. No. 124
- D.D. No. 125
- D.D. No. 127

Drainage District:

#48

Investigation Summary:

- Utility company (Heart of Iowa Communications Cooperative) requested to pass fiberoptic cable under the Main Open Ditch of Drainage District #48. Said crossing took place on the east side of M Avenue, located in the NW¼ Section 25, Township 88 North, Range 21 West.
- The contractor completing said work located the path and depth of the cable boring in the vicinity of the Main Open Ditch, with depths ranging from 6.5 feet to 16 feet.
- Shot existing flowline of Main Open Ditch. When compared to the utility locates, utility is 11-½ feet +/- below the existing flowline.
- The depth of silt in said Main Open Ditch was not determined from historical records. However, should a cleanout occur, the 11-½ feet depth indicates that the cable should be well below the original design flowline.

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

None recorded. All work was completed by contractor under Heart of Iowa Communications Cooperative's employ and CGA was not on-site while work was being completed.

Additional Actions Recommended:

No signage was installed by utility company since utility was installed in road ditch and under road surface. Either they need signage installed or said requirement waived by the District Trustees



CONSTRUCTION ENGINEERING
OBSERVATION REPORT

DATE: 10/12/2018

PROJECT NUMBER:

6486.2 PERMIT # 2018-4

DAYS OF WEEK:

S M T W T F S

COUNTY, ROUTE, ROAD:

EAST DITCH @ BRIDGE ON
MAVENUE BETWEEN 195TH ST
& HWY D-41 (4.1784 NORTH OF
HWY D-41)

SHEET NO.

1 OF

LOCATION:

DD 48 HEART OF IOWA FIBER OPTIC
CABLE CROSSING OPEN DITCH

LOWER 30'S TO MID 40'S
CLOUDY, LIGHT WIND

JOB# 6486 DD48

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

11:15 A.M. LEFT ACKLEY AFTER LOADING EQUIPMENT, DOWNLOADING JOB
FILE TO DATA COLLECTOR AND GETTING JOB INFORMATION.

11:45 A.M. ARRIVED ON JOB SITE & SET GPS BASE ON HARDIN COUNTY
GPS MONUMENT # 8043 ON EAST SIDE OF NAVE 0.5' NORTH OF 195TH ST

1:50 P.M. SET 3/4" Ø X 2.0' IRON REBAR 0.2" ± DEEP (GPS # 300)
IN SW CORNER 1ST
FIELD DRIVE ON WEST SIDE OF MAVE NORTH OF RTWMA BUILDING OR

3324.5' ± NORTH OF HWY D-41, 2.5' ± NORTH & 1.8' ± EAST OF END WFP.

2:00 P.M. MOVED GPS BASE FROM HC GPS MON TO GPS # 300.

2:20 P.M. GPS BASE WAS SET UP ON GPS # 300 3/4" Ø IRON REBAR ON

2:25 P.M. CHECK BACK INTO HC GPS MONUMENT # 8043 WITH BOTH
HORIZONTAL AND VERTICAL CHECKING GOOD.

2:30 P.M. CHECKED GPS # 4 CUT X IN SW CORNER BRIDGE ABUTMENT
WITH GOOD HORIZONTAL POSITION WITH VERTICAL POSITION SHOWING C=0.07

2:35 P.M. SHOT FIBER OPTIC LINE FOR HEART OF IOWA @ DD # 48
OPEN DITCH CROSSING. (SEE SKETCH FOR DETAILS ON SHEET 3.)

3:24 P.M. PICTURE # 1866 SEE PICTURE FOR DETAILS

3:26 P.M. PICTURE # 1868 SEE PICTURE FOR DETAILS.

3:27 P.M. PICTURE # 1869 & # 1870 SEE PICTURE FOR DETAILS.

3:28 P.M. PICTURE # 1871 SEE PICTURE FOR DETAILS.

3:29 P.M. PICTURE # 1872 & # 1874 SEE PICTURE FOR DETAILS.

3:30 P.M. PICTURE # 1875 SEE PICTURE FOR DETAILS.

3:37 P.M. PICTURE # 1877 SEE PICTURE FOR DETAILS.

3:45 P.M. TORE DOWN GPS BASE AND LEFT SITE.

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

Observer's Signature:

Jens Penning

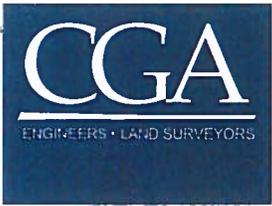
Date Prepared:

10/12/2018

Reviewed by:

Engineer

Date Reviewed



Clapsaddle-Garber Associates, Inc.

16 East Main Street, Marshalltown, Iowa 50158, ph 641-752-6701
 1523 South Bell Avenue, Suite 101, Ames, Iowa 50010, ph 515-232-1784
 5106 Nordic Drive, Cedar Falls, Iowa 50613, ph 319-266-0258
 739 Park Avenue, Ackley, Iowa 50601, ph 641-847-3273
 511 Bank Street, Webster City, Iowa 50595, ph 515-832-1876
 103 East State Street, Suite 430, Mason City, Iowa 50402, ph 641-423-1451
 800-542-7981, www.cgaconsultants.com

LOWER 30'S TO MID 40'S
 CLOUDY, LIGHT WIND JOB # 64962 PERMIT #2018-4

PN D.P. 10/12/2018
 Computed By _____ Date _____
 Checked By _____ Date _____
 Subject _____

HEART OF IOWA FIBER OPTIC CABLE CROSS OPEN DITCH # DD 43

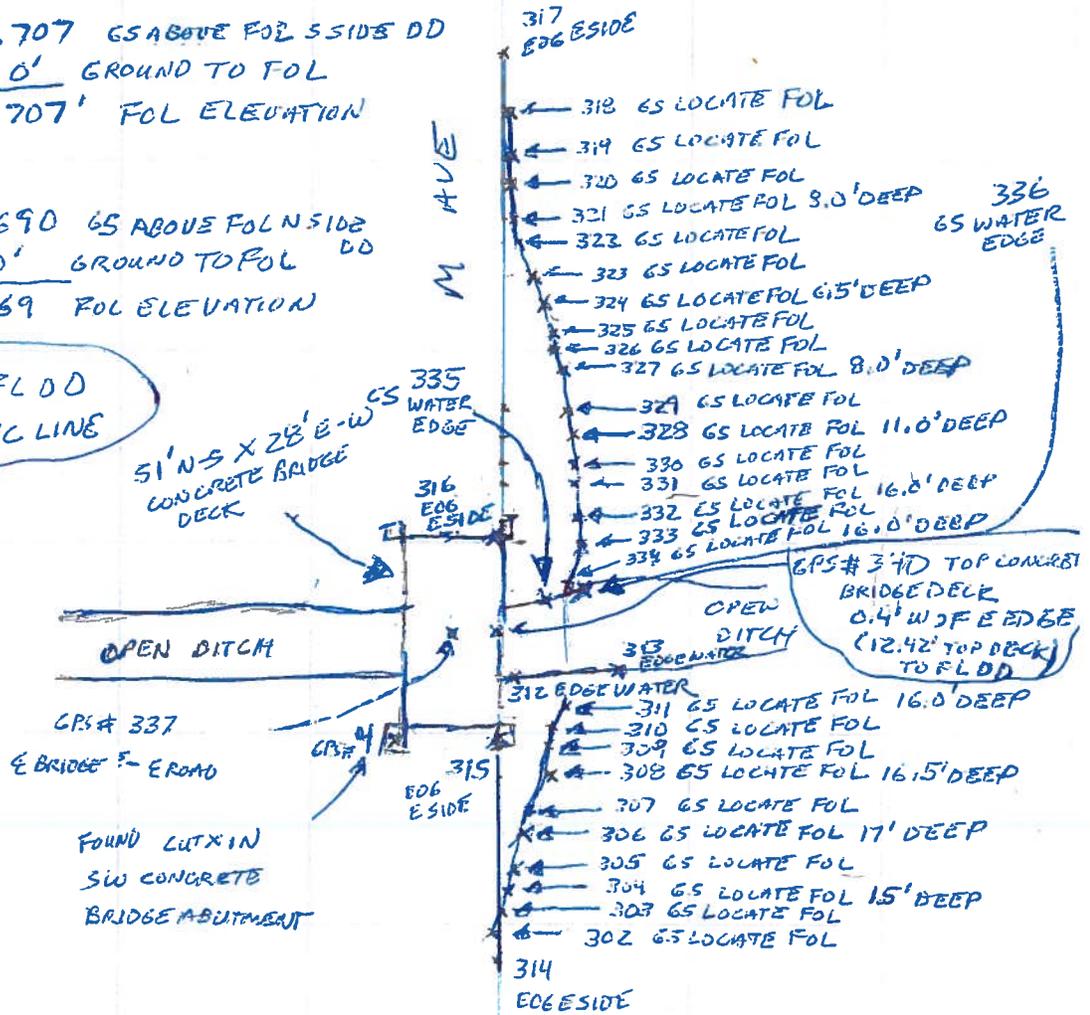


GPS # 340 1095.60 TOP CONCRETE BRIDGE DECK
 -12.42 TOP DECK TO FL DD
 1083.18 FL DD

GPS # 311 1087.707 GS ABOVE FOL S SIDE DD
 -16.0' GROUND TO FOL
 1071.707' FOL ELEVATION

GPS # 334 1087.690 GS ABOVE FOL N SIDE DD
 -16.0' GROUND TO FOL
 1071.69 FOL ELEVATION

11.47' FROM FL DD TO FIBER OPTIC LINE



PICT# 1866 IS LOOKING NORTH ON M AVENUE TOWARDS BRIDGE
OVER DD#48 OPEN DITCH SHOWING LOCATES OF HEART OF TOWN
FIBER OPTIC CROSSING DD IN EAST DITCH



LOOKING DOWN ON EAST EDGE BRIDGE DECK
PICTURE # 1868 SHOWING GPS# 340 TOP OF CONCRETE BRIDGE DECK
0.4' WEST OF EAST EDGE OF BRIDGE DECK TO MEASURE DOWN TO FL
OF DRAINAGE DITCH

PICTURE #1869 IS LOOKING NORTH IN EAST DITCH SHOWING LOCATION OF HEART OF IOWA FIBER OPTIC CROSSING



PICTURE #1870 IS LOOKING NW TOWARDS BRIDGE SHOWING HEART OF IOWA FIBER OPTIC CABLE CROSSING DD#48 OPEN DITCH

PICTURE #1871 IS LOOKING NORTH SHOWING LOCATION OF HEAD
OF IOWA FIBER OPTIC CABLE LOCATES FROM NORTH IN EAST
DITCH OF MAVENUE UP TO OPEN DITCH CROSSING



PICTURE # 1872 IS LOOKING SOUTH SHOWING HEAD OF IOWA
LOCATES FOR FIBER OPTIC CABLE GOING INTO EAST DITCH OF
MAVENUE TO CROSS DD#48 OPEN DITCH

PICTURE #1874 IS LOOKING SW TOWARDS BRIDGE SHOWING HEART OF IOWA FIBER OPTIC CABLE CROSSING DD#48 OPEN DITCH.



N



N

PICTURE #1875 IS LOOKING SOUTH IN EAST DITCH OF M AVENUE SHOWING HEART OF IOWA FIBER OPTIC CABLE LOCATES FROM SOUTH UP TO DD#48 OPEN DITCH

PICTURE # 1877 IS LOOKING SOUTH SHOWING HEART OF IOWA
FIBER OPTIC TILE LOCATES IN EAST DITCH OF MAVENUE
THROUGH DD#48 OPEN DITCH



↓ N



JAY DUNCAN
Outside Plant Manager

jduncan@heartofiowa.coop

(641)486-2211

DD 48

Permit # 2018-4



M Avenue

0'8"

0'6"

0'12"

0'16.5"

0'18"

0'11"

0'5"

0'18"

0'16"

0'12"

0'8"

open trench



JOB# 6486.2

HEART OF IOWA

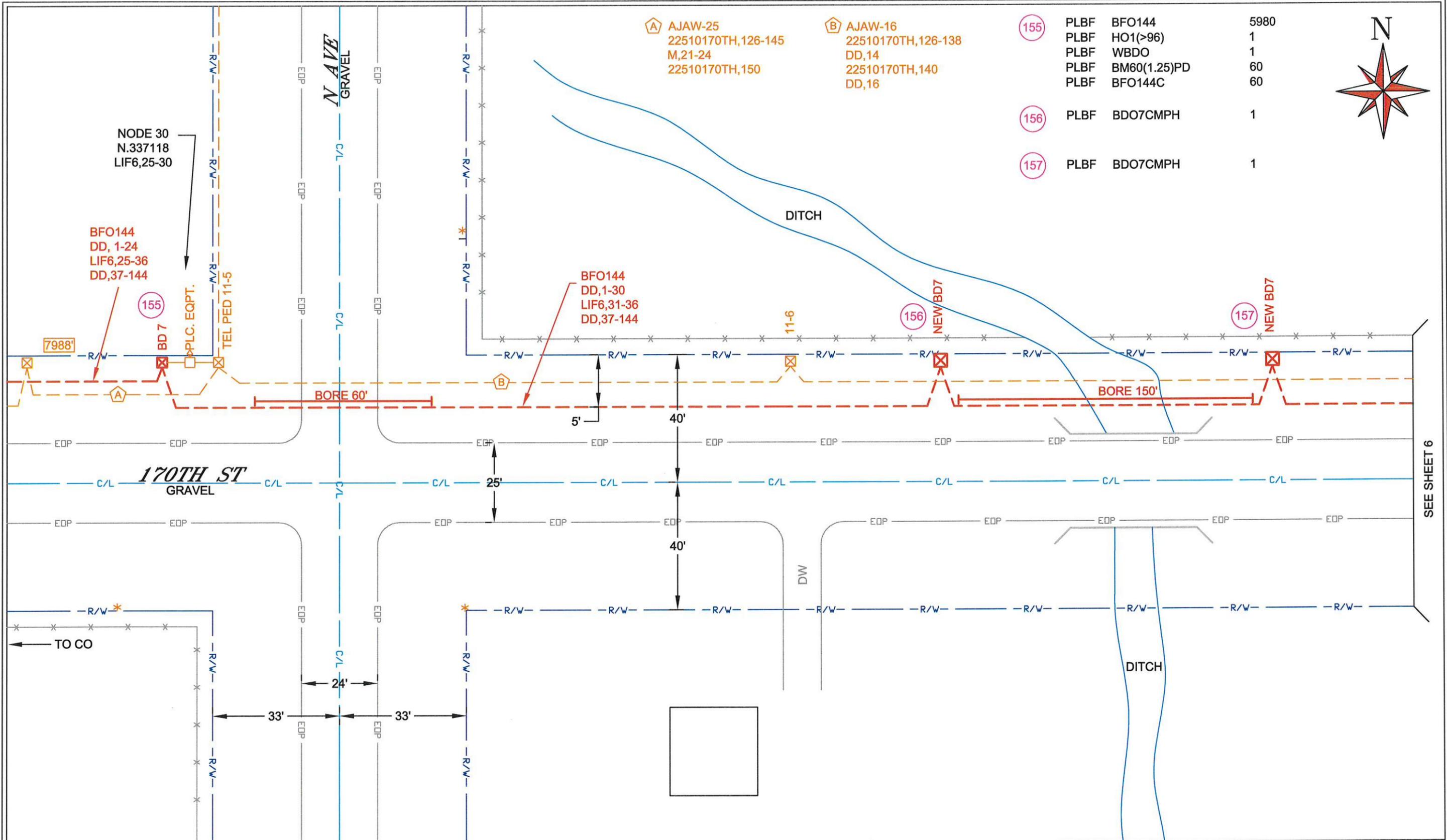
FIBER OPTIC CABLE CROSS

OPEN DITCH DD#48

(PERMIT # 2018-4)

6486 DD48 10-12-2018 DP

4,3612153.256,4988347.454,1095.431,CUT X FND SWABUT
14,3612172.714,4988332.672,1082.729,FL
300,3611328.734,4988331.460,1128.168,CPT 34 IR
301,3611326.222,4988329.655,1128.479,END WFP FROM S
302,3612103.400,4988373.873,1094.081,FOL HOI LOCATE MARK
303,3612109.309,4988375.488,1094.350,FOL HOI LOCATE MARK
304,3612112.911,4988376.611,1093.700,FOL HOI LOCATE MARK 15' DEEP
305,3612118.769,4988377.128,1093.546,FOL HOI LOCATE MARK
306,3612128.237,4988380.542,1092.004,FOL HOI LOCATE MARK 17' DEEP
307,3612133.520,4988383.257,1090.699,FOL HOI LOCATE MARK
308,3612144.581,4988385.128,1089.691,FOL HOI LOCATE MARK 16.5' DEEP
309,3612151.264,4988386.547,1089.514,FOL HOI LOCATE MARK
310,3612157.231,4988387.963,1089.098,FOL HOI LOCATE MARK
311,3612161.991,4988389.927,1087.707,FOL HOI LOCATE MARK 16.0' DEEP
312,3612171.248,4988379.108,1086.091,WATER EDGE
313,3612172.177,4988405.790,1085.733,WATER EDGE
314,3612096.277,4988374.829,1093.943,EOG
315,3612153.575,4988375.004,1095.612,EOG
316,3612207.449,4988374.118,1095.512,EOG
317,3612334.540,4988374.525,1092.954,EOG
318,3612319.307,4988375.112,1093.079,FOL HOI LOCATE MARK
319,3612307.170,4988375.478,1093.178,FOL HOI LOCATE MARK
320,3612299.851,4988376.698,1093.309,FOL HOI LOCATE MARK
321,3612291.977,4988378.280,1091.902,FOL HOI LOCATE MARK 8.0' DEEP
322,3612284.481,4988379.234,1091.620,FOL HOI LOCATE MARK
323,3612276.787,4988382.356,1089.472,FOL HOI LOCATE MARK
324,3612269.330,4988385.396,1088.590,FOL HOI LOCATE MARK 6.5' DEEP
325,3612264.282,4988386.511,1088.620,FOL HOI LOCATE MARK
326,3612258.175,4988388.234,1088.617,FOL HOI LOCATE MARK
327,3612252.350,4988390.575,1088.489,FOL HOI LOCATE MARK 8.0' DEEP
328,3612233.838,4988393.431,1088.660,FOL HOI LOCATE MARK 11' DEEP
329,3612241.146,4988392.276,1088.854,FOL HOI LOCATE MARK
330,3612227.280,4988393.294,1088.677,FOL HOI LOCATE MARK
331,3612221.796,4988393.912,1088.759,FOL HOI LOCATE MARK
332,3612213.125,4988394.873,1089.186,FOL HOI LOCATE MARK 16.0' DEEP
333,3612206.625,4988394.786,1089.058,FOL HOI LOCATE MARK
334,3612193.983,4988393.832,1087.690,FOL HOI LOCATE MARK 16.0' DEEP
335,3612188.893,4988388.471,1085.606,WATER EDGE
336,3612192.650,4988396.451,1085.856,WATER EDGE
337,3612182.418,4988362.389,1095.627,CL ROAD - CL BRIDGE
340,3612181.282,4988376.024,1095.598,TOP CONC BRIDGE DECK 0.4' W OF E EDGE (12.42'
TO FL)
8043,3618478.920,4993657.660,1142.710,ALUMDISK USGS
8043_GNSS,3618478.920,4993657.660,1142.710,Autonomous Setup



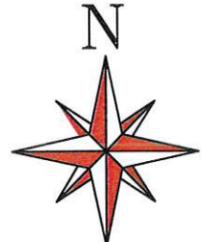
Ⓐ AJAW-25
22510170TH,126-145
M,21-24
22510170TH,150

Ⓑ AJAW-16
22510170TH,126-138
DD,14
22510170TH,140
DD,16

155 PLBF BFO144 5980
PLBF HO1(>96) 1
PLBF WBDO 1
PLBF BM60(1.25)PD 60
PLBF BFO144C 60

156 PLBF BDO7CMPH 1

157 PLBF BDO7CMPH 1

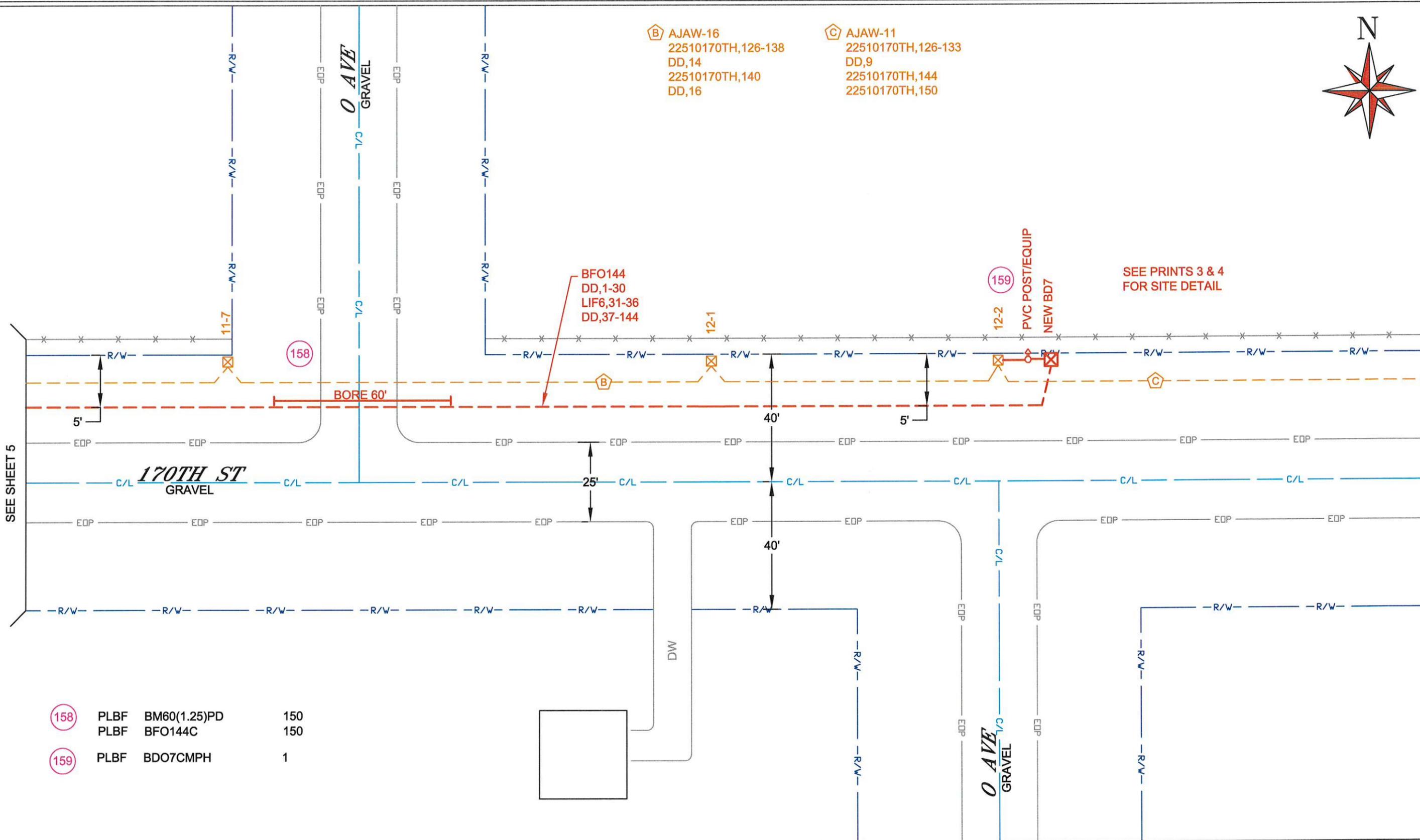


Project Description: IA - IWFL - PL - IWDLIACO-2018 FTTM CAF2		Engineering Contact	Name: SEAN HOSTETTER Phone Number: 515-263-7224	 CONFIDENTIAL - Disclose and Distribute Solely to CTL Employees Having a Need to Know
Project# N.244527	WC CLLI: IWFLIACO	Contract Engineer	Name: Company: KILLION COMMUNICATIONS (800) 301-6672	
Community Name: IOWA FALLS, IA		Construction Coordinator	Name: MATT PORTER Phone Number: 319-291-9899	Sheet 92 of 93
Exchange Key:	Remote Switch Exchange Key:	Print Date: 10/16/2018		



B AJAW-16
 22510170TH,126-138
 DD,14
 22510170TH,140
 DD,16

C AJAW-11
 22510170TH,126-133
 DD,9
 22510170TH,144
 22510170TH,150



- 158 PLBF BM60(1.25)PD 150
 PLBF BFO144C 150
- 159 PLBF BDO7CMPH 1

Project Description: IA - IWFL - PL - IWDLIACO-2018 FTTM CAF2		Engineering Contact Name: SEAN HOSTETTER Phone Number: 515-263-7224	 CONFIDENTIAL - Disclose and Distribute Solely to CTL Employees Having a Need to Know
Project# N.244527	WC CLLI: IWFLIACO	Contract Engineer Name: Company: KILLION COMMUNICATIONS (800) 301-6672	
Community Name: IOWA FALLS, IA		Construction Coordinator Name: MATT PORTER Phone Number: 319-291-9899	Sheet 93 of 93
Exchange Key:	Remote Switch Exchange Key:	Print Date: 10/16/2018	



HARDIN COUNTY

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

HARDIN COUNTY DRAINAGE DISTRICT UTILITY PERMIT APPLICATION

Applicant: Centurylink
Company Name

210 S 3rd St
Address

Ames Iowa 50010
City State Zip

Applicant Contact: Sean Hostetter (515) 322-0135
Name Phone

sean.hostetter@centurylink.com
Email

Utility Type: Communications

Drainage District(s) Crossed: D.D. # 3

Facilities Crossed (specific tile, open ditch): Lat 1, Lat 2, Main + Open ditch

Description of Work: Placing fiber optic cable in Row of 170th St
from O Ave to N Ave in the north Row
170th St
(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.

Nick Kulkin
Applicant Signature

10/18/18
Date

Submit Form and Location Plan To:

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

For Office Use Only

Application Approval:

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

Date: _____

APPROVED PERMIT #: _____



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

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

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



11. The construction and maintenance of Applicants installation shall be carried on in such a manner as to not interfere with or interrupt the function of said Drainage District facilities without the express written consent of the Drainage District Representative. In the event it becomes necessary to temporarily stop the flow of water, the following shall be completed by the Applicant:
 - a. If the crossing involves a tile line, the replacement of tile with approved materials, in the manner approved by the Drainage Districts designated representative, shall be performed as rapidly as possible. If the approved method of repair is impossible and the volume of water flowing in the tile is sufficient to create the possibility of crop loss or property damage, the Contractor will be permitted to temporarily block the tile line to prevent the flow of this tile water into the pipeline, or tile line ditch. In the event this tile line is so temporarily blocked, the Contractor will be expected to provide sufficient pumping equipment to pump the impounded tile water across the construction ditch to the undisturbed tile line. Such temporary blockages of said Drainage District tile lines will be removed 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.



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.



HARDIN COUNTY

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

HARDIN COUNTY DRAINAGE DISTRICT UTILITY PERMIT APPLICATION

Applicant: South Front Networks
Company Name

320 E Liberty St
Address

Mankato MN 56001
City State Zip

Applicant Contact: Jay Hanke (612) 204 - 0000
Name Phone

jayhanke@southfront.io
Email

Utility Type: Fiber Optic

Drainage District(s) Crossed: JDD F-H1, DD 120 Ex5, DD 98 + DD 99

Facilities Crossed (specific tile, open ditch): _____

Description of Work: poring a fiber optic cable 3'-5' off back of
(Location plan of proposed utility must be attached.) ROW along Hwy 65 south side. Bore all tiles
5' below tile lines. Encase bores with 1.25"
inner duct.

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

Applicant Signature _____

Date _____

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

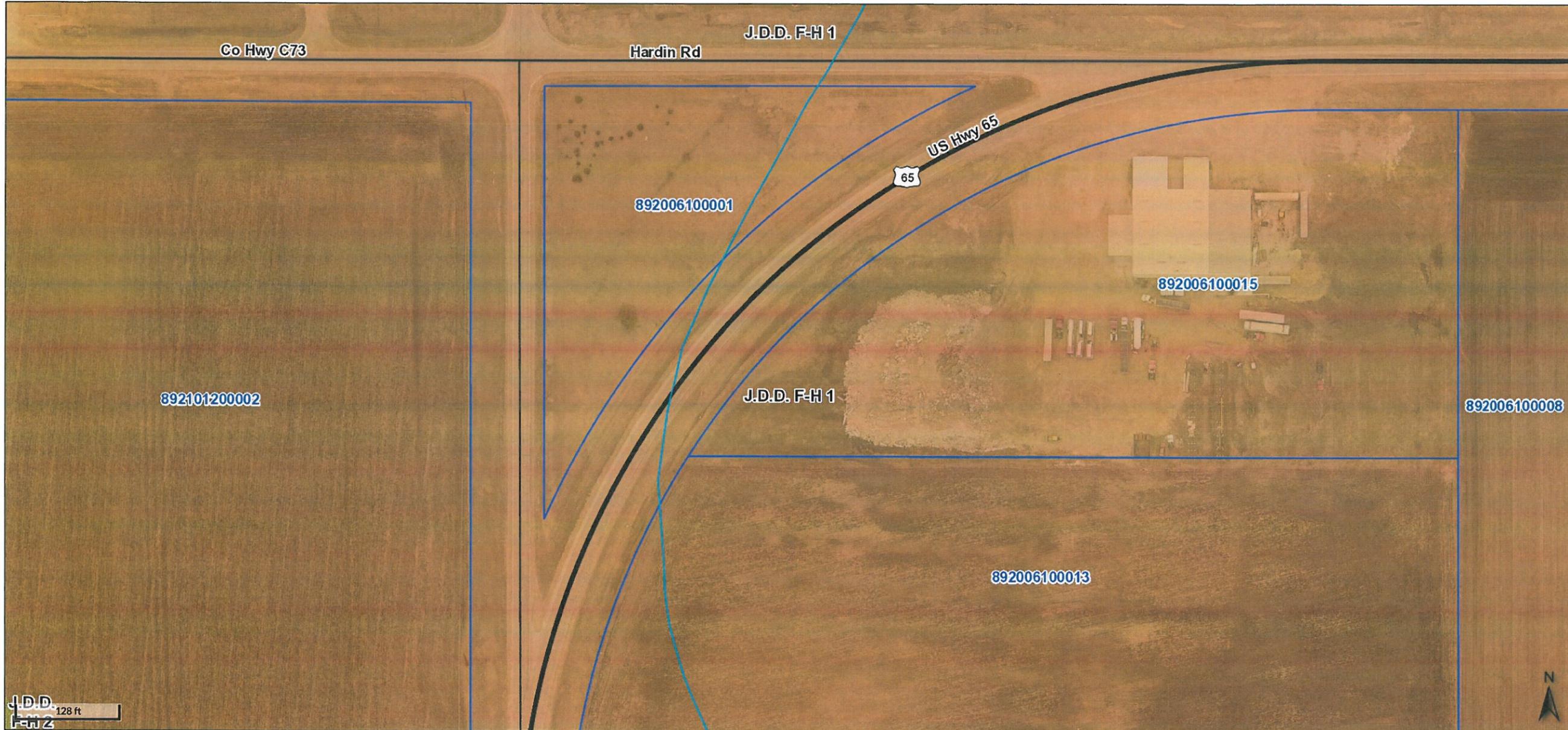
For Office Use Only

Application Approval:

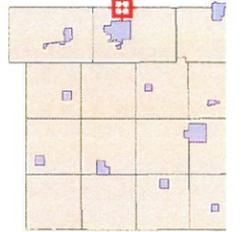
By: _____
Board of Supervisor Chairman, Acting as Drainage District Trustee

Date: _____

APPROVED PERMIT #: _____

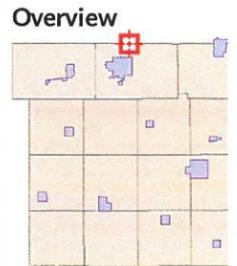
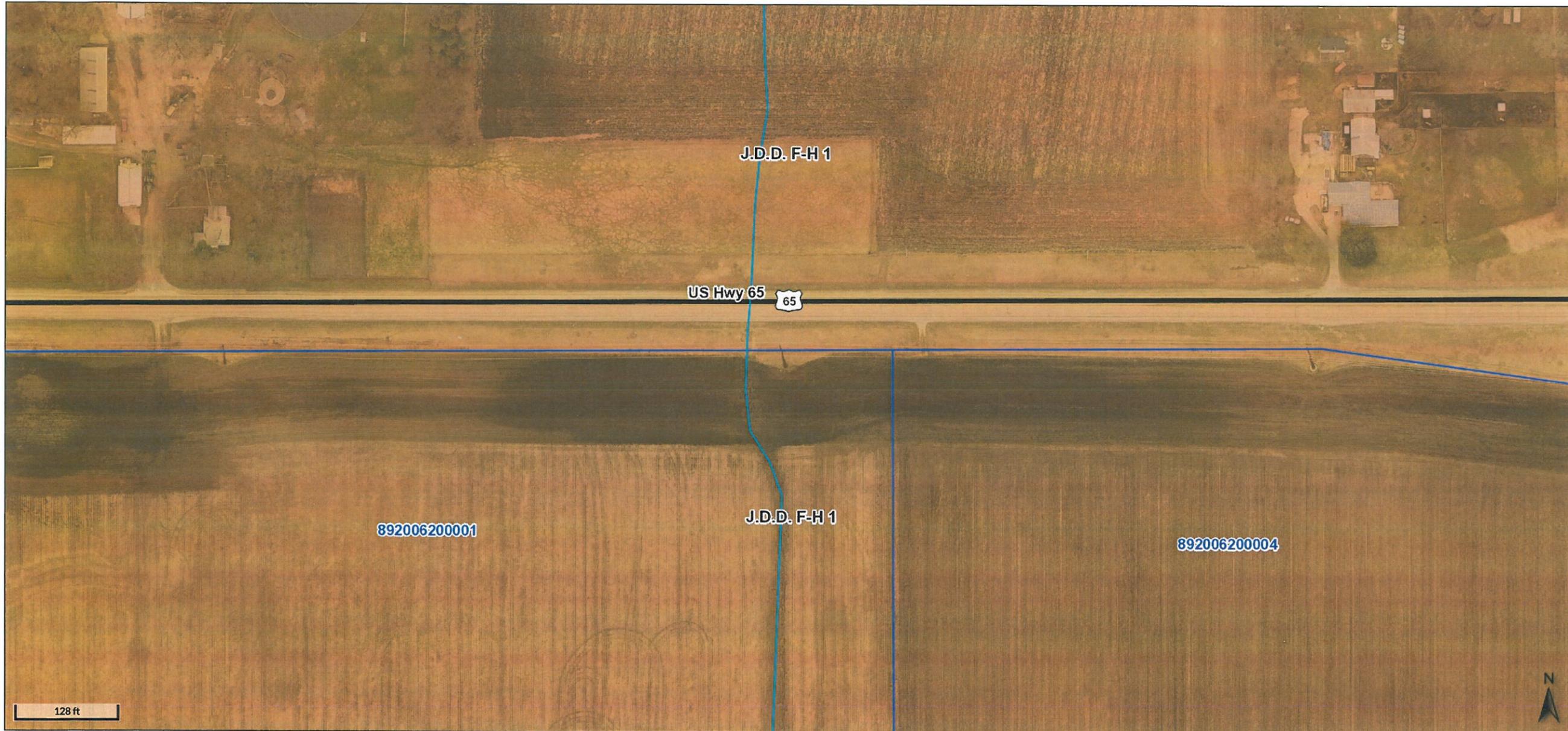


Overview

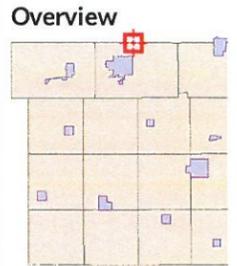
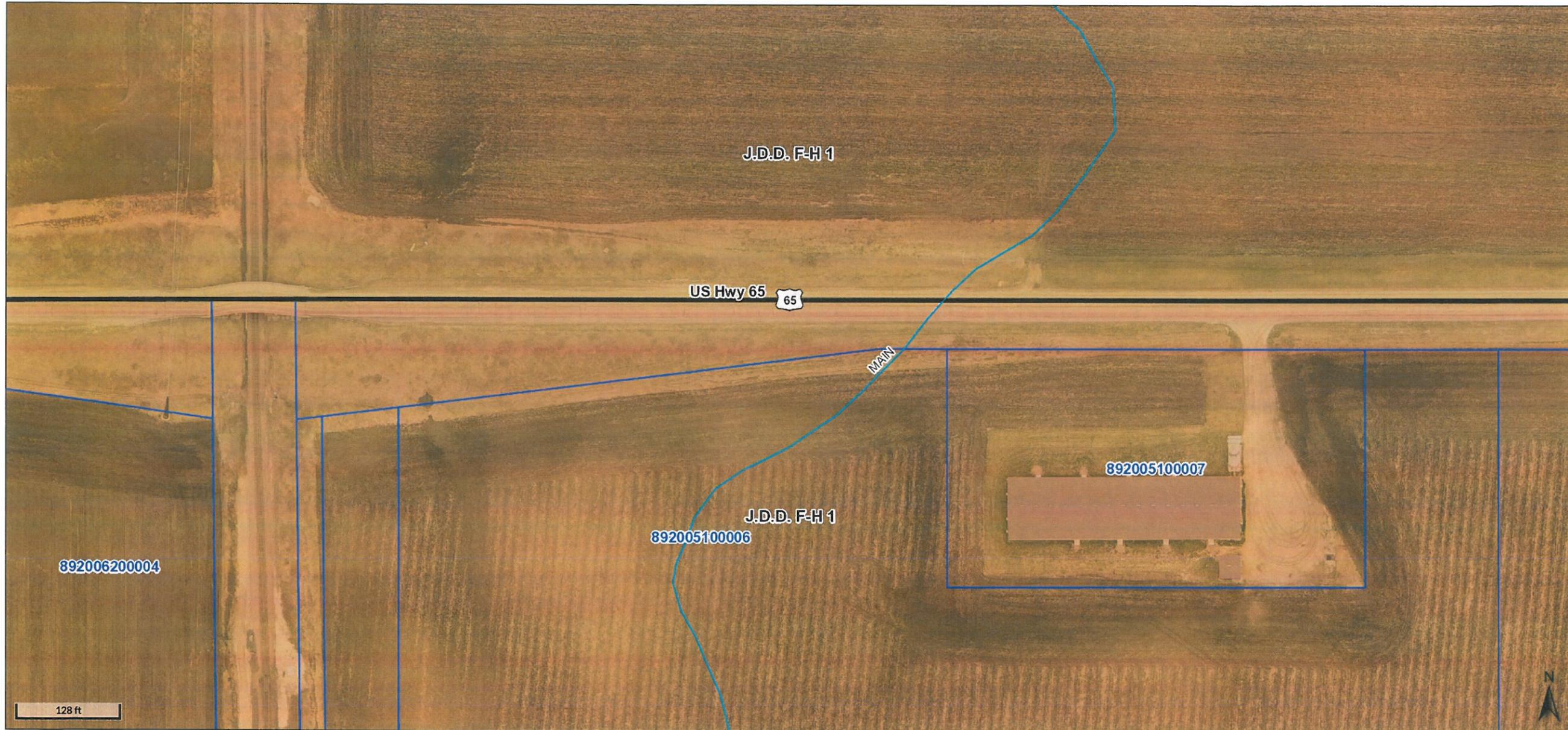


Legend

- Corporate Limits
- Political Township
- Roads**
- County Road
- Federal Highway
- Local Road
- State Highway
- Town Road
- Parcels
- Drainage Tiles
- Drainage Districts**
- <all other values>
- Big Four
- D.D. No. 1
- D.D. No. 10
- D.D. No. 100
- D.D. No. 101
- D.D. No. 102
- D.D. No. 103
- D.D. No. 106
- D.D. No. 108
- D.D. No. 109
- D.D. No. 11
- D.D. No. 110
- D.D. No. 111
- D.D. No. 113
- D.D. No. 114 Ex. of :
- D.D. No. 116
- D.D. No. 118-232
- D.D. No. 119
- D.D. No. 12
- D.D. No. 120
- D.D. No. 121
- D.D. No. 122
- D.D. No. 123
- D.D. No. 124
- D.D. No. 125
- D.D. No. 127



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 - D.D. No. 127



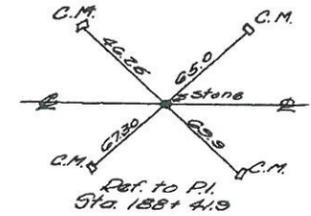
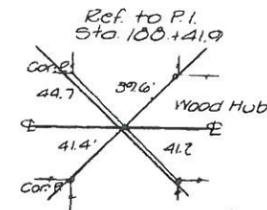
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 - D.D. No. 122
 - D.D. No. 123
 - D.D. No. 124
 - D.D. No. 125
 - D.D. No. 127

FRANKLIN CO.
GRANT TWP
T. 90N. R. 20W.

SEC. 32

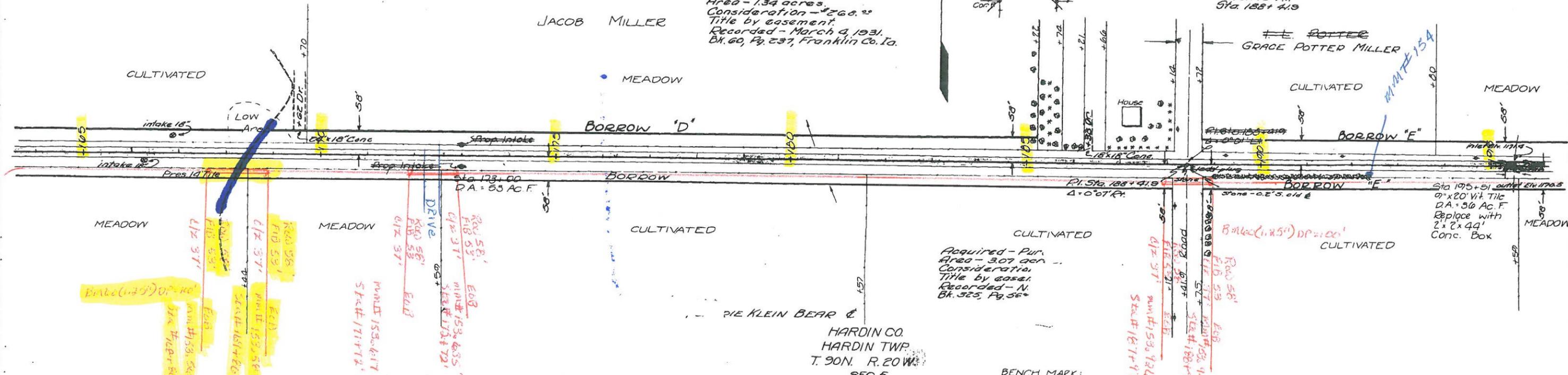
JACOB MILLER

Acquired - Purchase - 5-14-30.
Area - 1.34 acres.
Consideration - \$260.00
Title by basement.
Recorded - March 4, 1931.
Bk. 60, Pg. 237, Franklin Co. Ia.



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
		602		12	70

1930 PAVING



HARDIN CO.
HARDIN TWP
T. 90N. R. 20W.
SEC. 5

BENCH MARK:
#14 Sta. 185+60 R. & Spike in Brass C. 17' N. Hd. conc. curb
E. 1108.13
E. 1175.23

