



**APPLICATION AND AGREEMENT FOR USE OF
HIGHWAY RIGHT-OF-WAY FOR UTILITIES ACCOMMODATION**

FOR DEPARTMENT USE ONLY

Permit Number 86U-2022-008	Highway Number 8	County Tama
DOT Project Number Iowa822A(3)		Expiration/Completion Date 07/19/23

APPLICANT (INDIVIDUAL OR COMPANY)

First Name Shelly	Middle Initial	Last Name Franzenburg	Phone Number 319-476-7800	Ext.
Company Name Farmers Cooperative Telephone Company			Phone Number 319-476-7800	Ext.
Street Address 332 Main St		City/Town Dysart	State IA	ZIP Code 52224
e-Mail Address shelly@dc-comm.net		Secondary e-Mail Address charles.g@swickcc.com		

INSTALLATION TO BE ACCOMMODATED

Approval is hereby requested to enter within the state highway right-of-way for the accommodation of a utility installation as detailed on the attachments and further described as follows.

The installation shall consist of
Placement of up to 2-1.25" HDPE duct by means of directional boring or plowing. Occupied by either 48ct, 24ct, or drop fiber optic cable. We enter into the ROW at STA167+36, 60' CL RT and milepost 3.627 where we will travel east at 30" minimum depth paralleling ROW to STA175+15 56' CL RT where we enter an existing structure before continuing east for approximately 3.453 miles. We will cross HWY 8 at 4' minimum depth at 5 different locations with all station, milepost, and centerline information on submitted plan sheets. We will be exiting ROW at STA 350+53, 58' CL LT and milepost 7.080. Any existing underground utilities that are identified after an Iowa One Call request is processed that are conflicting with the route will be potholed for location and depth and the new route will maintain a clearance from the existing utility. Traffic control will follow standard road plan TC-202.

and shall be located as shown on the detailed plan attached hereto. (See current Iowa Department of Transportation Utility Accommodation Policy for submittal of detailed plan requirements. See Section 115.8 (3). <http://www.iowadot.gov/traffic/pdfs/UtilityPolicy.pdf>)

WORK SITE LOCATION

The proposed work as described above is located in Section 7, Twp. 85N, Range 13W on Highway No. 8 generally located 0 (miles) West (direction) from 2878 HWY 8 (city, county line, or other landmark). Work proposed is more specifically located as being from 3.627 (Milepost #) and 167+36 (Highway Station) to 7.080 (Milepost #) and 350+53 (Highway Station) on the North And South side of highway.

Disclosure Statement: The information furnished on this form will be used by the Department of Transportation to determine approval or denial of the application. Failure to provide all pertinent information will result in denial of the application. Information furnished is public information and copies may be provided to the public upon request.

The utility company, corporation, applicant, permit holder or licensee, (hereinafter referred to as the Permit applicant) agrees with the Iowa Department of Transportation (hereafter referred to as the Department) that the following stipulations and those special requirements as listed on this document shall govern under this permit after it is approved by the Department.

A. General

1. The installation shall meet the requirements of local municipal, county, state, and federal franchise rules and regulations, regulations and directives of the Iowa State Commerce Commission; the Iowa Department of Natural Resources, all rules and regulations of the Department and any other laws or regulations applicable.
2. The Permit Holder shall be fully responsible for any future adjustments of the facilities within the established highway right-of-way caused by highway construction or maintenance operations.
3. As per Section 115.8(8) of the Utility Accommodation Policy, As-Built plans are due within 90 days after completion of construction, the utility owner shall submit to the district representative an as-built plan.
4. The work described in this permit shall be completed as proposed in compliance with the stipulations and special requirements within one year from the date Department approval is received for said request. Failure on the part of the Permit Holder to abide by the stipulations or in constructing the work described as stipulated and within the time frame stated shall render this agreement and request null and void. The Permit Holder also agrees to save the State of Iowa and the Department harmless of any damages or losses that may be sustained by any person, or persons, on account of the conditions and requirements of this agreement.
5. Non-compliance with any of the terms of the Department's policy, permit, or agreement, may be considered cause for shut-down of construction operations, revocation of the permit, or withholding of relocation reimbursement and/or withholding of future application approvals until compliance is confirmed. The cost of any work deemed necessary to be performed by the State in removal of non-complying construction will be assessed against the Permit Holder.

B. Construction and Maintenance

1. The location, construction and maintenance of the utility installation covered by this application shall be in accordance with the current Department's Utility Accommodation Policy. <http://www.iowadot.gov/traffic/pdfs/UtilityPolicy.pdf>
2. Before beginning any work in the highway right-of-way, it is the responsibility of the Permit Holder to obtain an easement from the drainage district if necessary. The Department assumes no responsibility for advising the Permit Holder of each location of a drainage district crossing. It is the Permit Holder's responsibility to locate these crossings and obtain any necessary easements or permission from the drainage district. See Code of Iowa, Chapter 468 for additional information.
3. A copy of the approved permit shall be available on the job site at all times for examination by Department personnel.
4. Operations in the construction and maintenance of this utility installation shall be carried on in such a manner as to cause minimum interference to or distraction of traffic on said highway.
5. Traffic protection shall minimally be in accordance with Part VI of the current Manual on Uniform Traffic Control Devices for Streets and Highways. The applicant shall be responsible for correctly using traffic control devices including signs, warning lights, and channelizing devices as needed while work is in progress or the clear zone is impacted. Flagging operations are the responsibility of the applicant. The Department's TC XXX Series Standards are the preferred traffic control specification plans. http://www.iowadot.gov/design/stdplne_tc.htm
6. The applicant shall seed and mulch all disturbed areas within the highway right-of-way and shall be responsible for the vegetative cover until it becomes well established. Any surfaced areas such as driveways or shoulders and sodded waterways and plantings which are disturbed shall be restored to their original condition. Any damage to any other underground facilities during installation shall be repaired at the permit holder's expense.
7. All personnel in the highway right-of-way shall wear ANSI 107 Class 2 apparel at all times when exposed to traffic or construction equipment.
8. As per Policy Section 115.4(9) parking or storage in the clear zone is prohibited. When not in actual use, vehicles, equipment and materials shall not be parked or stored within the clear zone or median.
9. Unless specifically noted in Special Requirements section, all work performed within the right-of-way shall be restricted to 30 minutes after sunrise to 30 minutes before sunset.
10. Pedestals shall be placed within 12 inches of the right-of-way line.
11. All above and below ground appurtenances (pedestals, hydrants, drains, accesses, etc.) shall be marked with high visibility posts and signs. The minimum height requirement for the signs shall be 5 foot. Urban Roadway Sections may be exempted with department approval.

C. Liability

1. To the extent allowable by law, the Permit Holder agrees to indemnify, defend, and hold the Department harmless from any action or liability arising out of the design, construction, maintenance, placement of traffic control devices, inspection, or use of the Permit Holder's facilities. This agreement to indemnify, defend, and hold harmless applies to all aspects of the Department's application review and approval process, plan and construction reviews, and funding participation.
2. The Permit Holder shall indemnify and save harmless the State of Iowa, its agencies and employees, from any and all causes of action, suits at law or in equity, for losses, damages, claims or demands, and from any and all liability and expense of whatsoever nature, arising out of or in connection with the Permit Holder's use or occupancy of the public highway.
3. The State of Iowa and the Department assume no responsibility for damages to the Permit Holder's property occasioned by any construction or maintenance operations on said highway if the facilities are not located in accordance with this permit.
4. The State of Iowa, its agencies or employees, will be liable for expense incurred by the Permit Holder in its use and occupancy of the highway right-of-way only when negligence of the State, its agencies or employees, is the sole proximate cause of such expense. Whether in contract, tort or otherwise, the liability of the State, its agencies and employees, is limited to the reasonable, direct expense to repair damaged utilities, and in no event will such liability extend to loss of profits or business, indirect, special, consequential or incidental damages.

D. Notification

1. The Permit Holder is responsible for contacting **Iowa One-Call (1-800-292-8989)** and request the location of all underground utilities forty-eight (48) hours before excavation. Before beginning work in the highway right-of-way, the Permit Holder shall also contact any other known utility located in the area of the proposed work.
2. The Permit Holder agrees to give the Department forty-eight (48) hour notice of its intention to start construction or to perform routine maintenance on the highway right-of-way. Said notice shall be made to the local DOT contact person whose name is shown on Page 3.
3. **511 Notification**-In accordance with Iowa Code section 321.348, cities and utilities **may not obstruct or close** primary highways or primary highway extensions (State highways within city limits) **without prior consent of the Iowa DOT**, except in emergency situations. Before setting up a lane closure or a vertical/horizontal restriction of any kind on a primary highway, call your local Iowa DOT Maintenance garage and call the Traffic Management Center per attached documents. Except in emergency situations, a 10 day advance notice is required. <http://www.iowadot.gov/traffic/utility/pdfs/511UtilityNotification.pdf>

E. Buy America

Buy America applies to relocations of utility facilities that must move due to highway projects under certain specific conditions that include reimbursable locations and relocations due to interstate projects. Please contact the Department's District Engineering Operation Technician (EOT) for more information on Buy America requirements or visit the following link: <http://www.iowadot.gov/traffic/utility/utility.html>

Permit Number: _____

Special Requirements - in addition to the stipulations above, the following special requirements shall apply to this permit:

Applicant Signature and Agreement

The undersigned have read the stipulations of this permit agreement as stated, as well as attachments which may be included, and by signing this application agree to abide by all stipulations and to complete the work as proposed in compliance with the stipulations and attachments within one year from the date Department approval is granted for said request. Failure on the part of the applicant to abide by the stipulations or to construct the work desired as stipulated and within the time frame stated shall render this agreement and request null and void. The undersigned also agrees to save harmless the State of Iowa and the Iowa Department of Transportation from any damage or losses that may be sustained by any person or persons on account of the conditions and requirements of this agreement.

Name of Agent (Print or Type) Charles Gillaspie	Agent/Owner (Signature) <i>Charles Gillaspie</i>	Title Manager
Name of Owner (Print or Type) Farmers Cooperative Telephone Company	Date 7/11/2022	
e-Mail Address shelly@dc-comm.net		

CITY ACTION (IF PROPOSED WORK IS WITHIN AN INCORPORATED CITY, CITY ACTION IS REQUIRED)

"The undersigned city joins in the grants embodied in the above permit executed by the Iowa Department of Transportation on condition that all of the covenants and undertakings therein running to the Iowa Department of Transportation shall inure to the benefit of the undersigned city and recommends action on said permit application as noted below by the delegated city official".

Recommend Approval Do Not Recommend Approval None Required

Handwritten Signature	Title	Date
Type or Print Name	Authorized Official for the City of	
e-Mail Address		

COUNTY ACTION (IF PROPOSED WORK CROSSES COUNTY RIGHT-OF-WAY, COUNTY ACTION IS REQUIRED)

"The undersigned county joins in the grants embodied in the above permit executed by the Iowa Department of Transportation on condition that all of the covenants and undertakings therein running to the Iowa Department of Transportation shall inure to the benefit of the undersigned county and recommends action on said permit application as noted below by the delegated county official".

Recommend Approval Do Not Recommend Approval None Required

Handwritten Signature <i>William Faircloth</i>	Title Vice Chair - Tama Board	Date 7/11/22
Type or Print Name William Faircloth	Authorized Official for the County of Tama	
e-Mail Address b-grandpa@yahoo.com		

FEDERAL HIGHWAY ADMINISTRATION ACTION (WHEN REQUIRED)

Recommend Approval Do Not Recommend Approval None Required

Authorized FHWA Representative Signature	Date
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DEPARTMENT OF TRANSPORTATION FINAL ACTION

Application Approved Application Denied Permit Number: 86U-2022-008

Authorized Highway District Representative Deanna Smyth-Peters	Signature <i>Deanna Smyth-Peters</i>	Date 07/19/22
e-Mail Address deanna.smyth-peters@iowadot.us		

Notice of Intention to commence activities on the highway rights-of-way shall be submitted by the applicant a minimum of 48 hours prior to actually commencing the activities as herein granted by this approved application. Notice is to be given to the following Iowa Department of Transportation representative. Except in emergencies a 10 day advance notice is required for lane restrictions of any kind:

Local DOT Contact Person (Type or Print Name) Brandon Lafrenz	Phone Number 641-484-2402		
Street Address 3277 L. Ave	City/Town Tama	State IA	ZIP Code 52339
e-Mail Address Brandon.Lafrenz@iowadot.us			

Permit Number: _____

Site Plan & Attachments Checklist for IDOT Utilities Accommodation Permit

- Plans showing IADOT Highway Centerline, Highway Number, DOT Stationing and Milepost are required.
- Visible orientation (North Arrow) and identifying landmarks are required.
- Clearly identify Right Of Way (ROW) line with horizontal distance from highway centerline shown, including all breakpoints and changes in the ROW distances.
- Provide Iowa One Call design request information. (Minimally, the list of utilities)
- List all of the existing utilities in the installation area. Describe how your installation will address existing utilities that are in conflict, and show all observable existing features, such as power poles, pedestals, markers, handholes, trees, etc.
- Show all Construction features/Bore Pits with the running line and horizontal distance from roadway edge or centerline. (showing Clear Zone compliance) <http://www.iowadot.gov/traffic/pdfs/UtilityPolicy.pdf>
- Show the start/stop stationing and depths or elevations for all bores, longitudinal and transverse.
- Show the start/stop stationing and depths or elevations for all plowing locations.
- Show casing start/stop locations, lengths, diameter, and material if casings are used.
- Show all facilities that are to be installed on the site plan.
This includes pedestals, wire, conduit, poles, guy anchors, junction boxes, handholes and manholes.
ALL MUST BE REFERENCED BY DOT Stationing and distance from centerline.
- Show where installation starts and stops, leaves ROW, stops at existing pedestal, pole, etc.
Use IADOT stationing and distance from centerline of the start and stops.
- Identify any physical focal points, posts, pedestals, shutoffs, overflow valves, hydrants, etc.
- Describe any other work to accomplish installation before, during and/or after installation, including:
removal of brush/trees, removal of underbuild, construction of access, fence removal, fence replacement, etc.
- Identify unusual issues to be pointed out on the site plan.
CLARITY IS THE KEY, we can't assume you will do it if it is not shown in the plan.

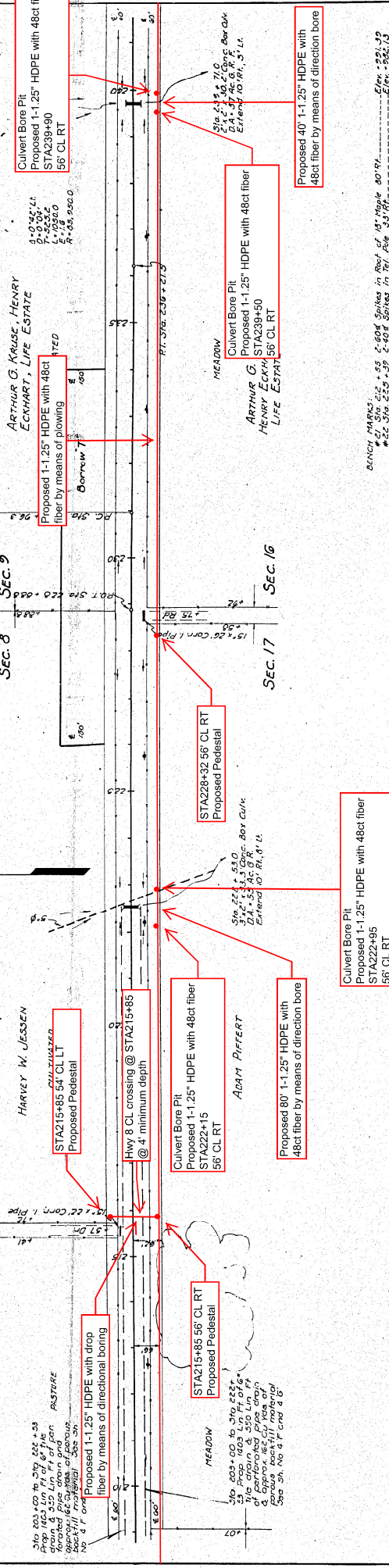
Attachments

- Proper Traffic Control Standards (IADOT TCxxx Series Standard plans preferred)
Available at - http://www.iowadot.gov/design/stdplne_to.htm
- Required Height / Depth Typical (Supplied by the Department)
- Tile Repair Guide (Rural Locations) (Supplied by the Department)
- Special Seeding Requirements and Erosion Control (Supplied by the Department)
- 511 Lane Restriction Requirements (If lane restriction is anticipated) (Supplied by the Department)
- If paper applications are submitted, at least 2 sets of site plans (11 x 17 preferred) and 1 original of the permit application with all original signatures (Scanned and emailed copies are accepted)

ALL ITEMS MUST BE LEGIBLE FOR REVIEW AND FOR RESCANNING PURPOSES

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	IOWA	822 A (0)	2021	12	59

FISCAL YEAR	PROJ. NO.	SHEET NO.	TOTAL SHEETS
2021	822 A (0)	12	59



STATION	VERT. CURVE DATA	GRADES	VERT. CURVE DATA	GRADES	STATION
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DES. NO.	137	138	139	140	141	142	143	144	145
STATE	IA	IA	IA	IA	IA	IA	IA	IA	IA
FISCAL YEAR	2022	2022	2022	2022	2022	2022	2022	2022	2022
PROJ. NO.	022 A (1)	022 A (1)	022 A (1)	022 A (1)	022 A (1)	022 A (1)	022 A (1)	022 A (1)	022 A (1)
SHEET NO.	12	13	14	15	16	17	18	19	20

CLARK TWP
T. 65N R. 13W

EQUITABLE LIFE INS. CO. OF IOWA
HENRY FEHR

V AVE.
SEC. 9
SEC. 10

Proposed Pedestal
STA283+15
56' CL RT
SEC. 10

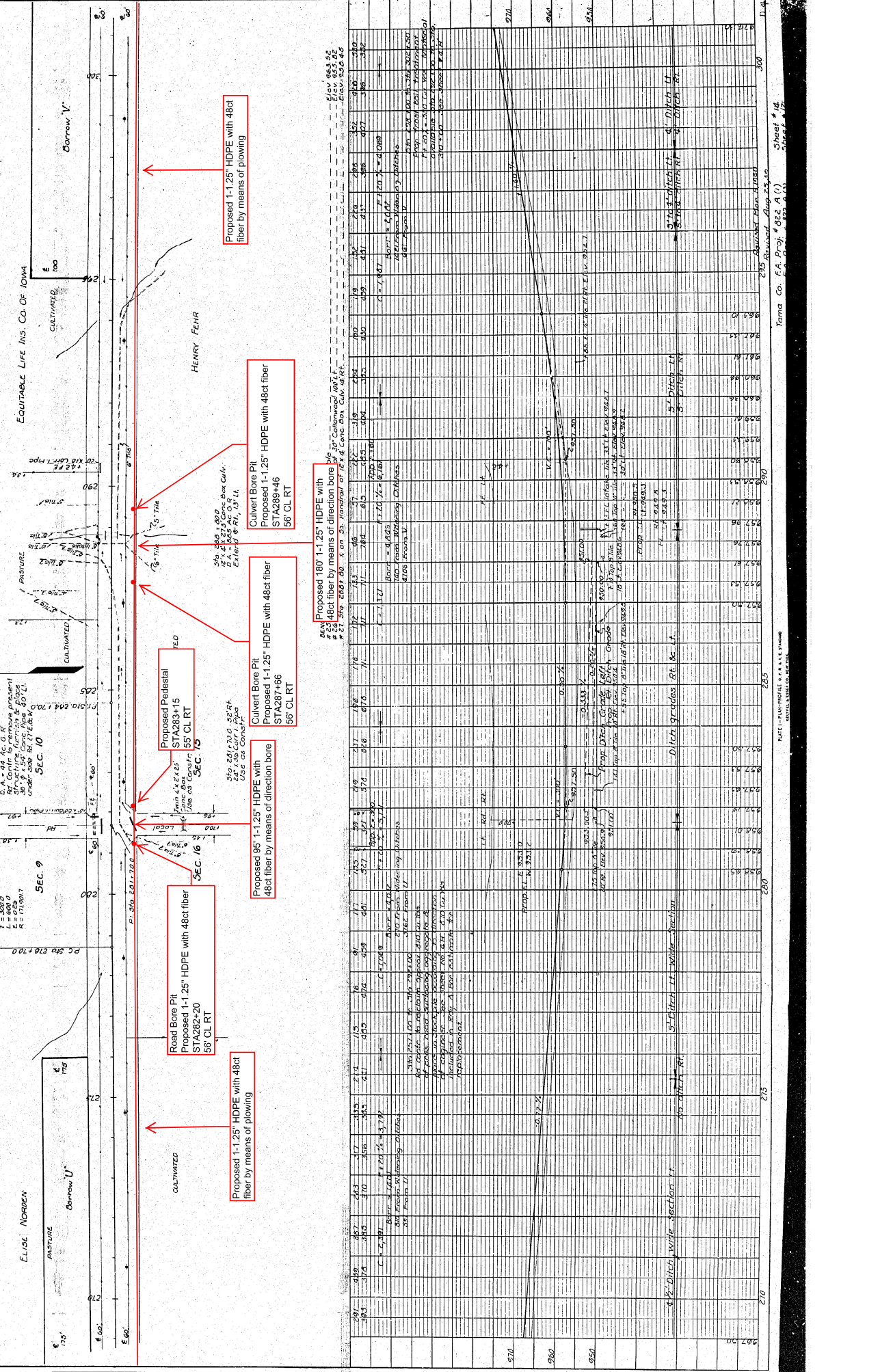
Proposed 95' 1-1.25" HDPE with 48ct fiber by means of direction bore
STA287+66
56' CL RT
SEC. 10

Proposed 180' 1-1.25" HDPE with 48ct fiber by means of direction bore
STA289+46
56' CL RT
SEC. 10

Proposed 1-1.25" HDPE with 48ct fiber by means of plowing

Proposed 1-1.25" HDPE with 48ct fiber by means of plowing

Proposed 1-1.25" HDPE with 48ct fiber by means of plowing



STATION	ELEVATION	REMARKS
270	950.00	6" Ditch, wide section
275	950.00	5" Ditch, wide section
280	950.00	5" Ditch, wide section
285	950.00	5" Ditch, wide section
290	950.00	5" Ditch, wide section
295	950.00	5" Ditch, wide section
300	950.00	5" Ditch, wide section

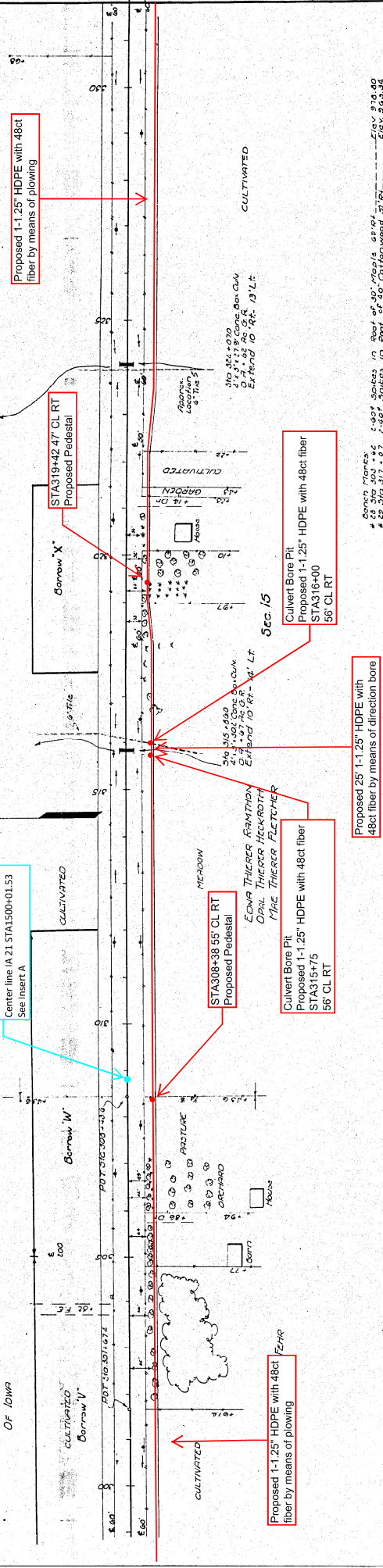
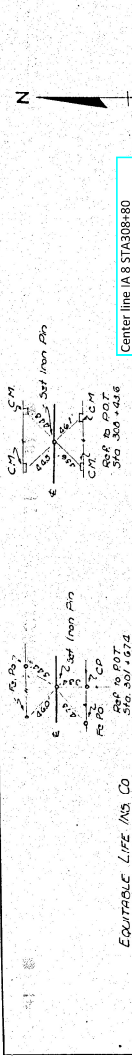
DATE: PLAN PROFILE: S.A.P.L.L.E. DRAWING: 10/15/2022
SHEET # 14 OF 20
TAMA CO. P.A. PROJ. # 022 A (1)
270 275 280 285 290 295 300

FD. PROJ. NO.	STATE PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
100	100	2022	15	59

FIS. PROJ. NO.	STATE PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5	100	2022	15	59

CLARK TWP
T.85 N. R. 13 W.
SEC. 10

DIS-MND'S SURFACING



Station	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940
Elevation	920.00	921.00	922.00	923.00	924.00	925.00	926.00	927.00	928.00	929.00	930.00	931.00	932.00	933.00	934.00	935.00	936.00	937.00	938.00	939.00	940.00

DATE: 10/10/2022 10:00 AM

PROJECT: CLARK TWP T.85 N. R. 13 W. SEC. 10

DESIGNER: [Name]

CHECKER: [Name]

DATE: 10/10/2022 10:00 AM

PROJECT: CLARK TWP T.85 N. R. 13 W. SEC. 10

DESIGNER: [Name]

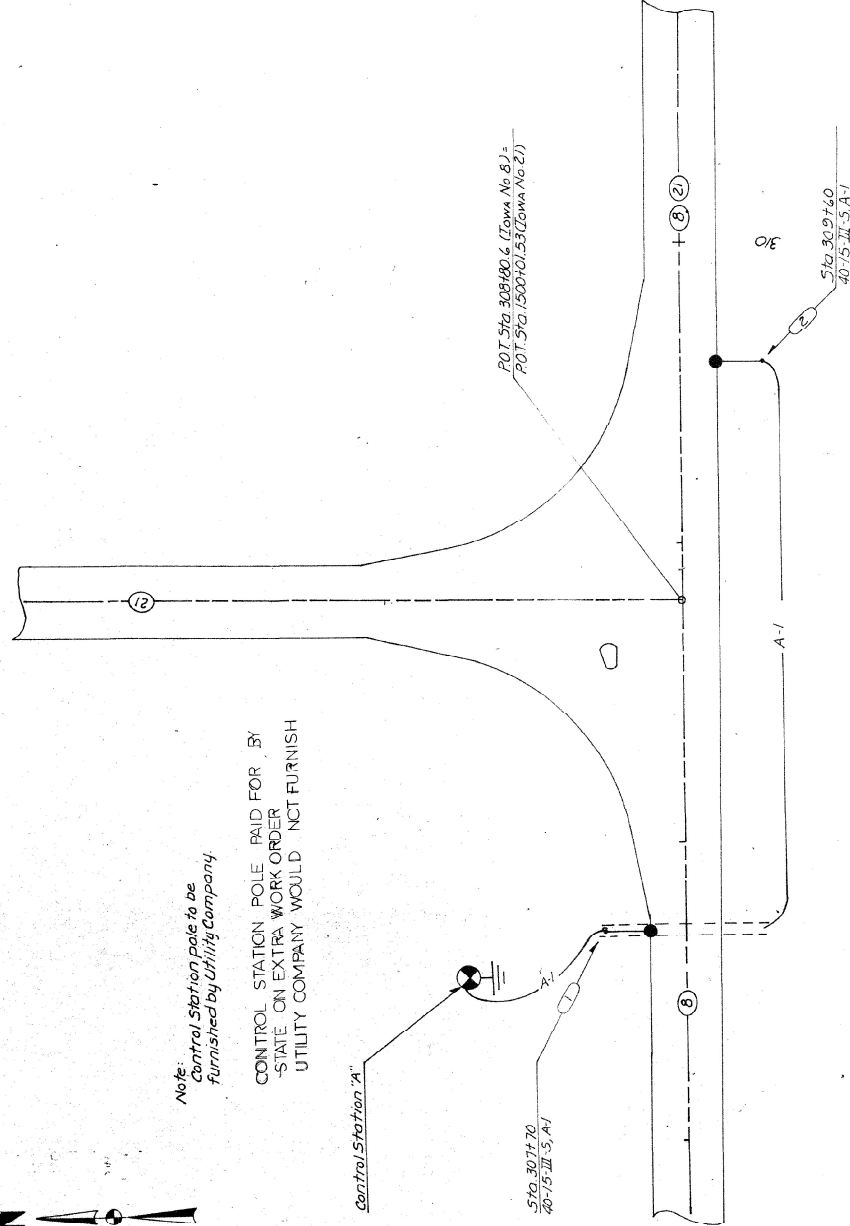
CHECKER: [Name]

INSERT A



Note: Control Station pole to be furnished by Utility Company.

CONTROL STATION POLE PAID FOR BY STATE ON EXTRA WORK ORDER UTILITY COMPANY WOULD NOT FURNISH

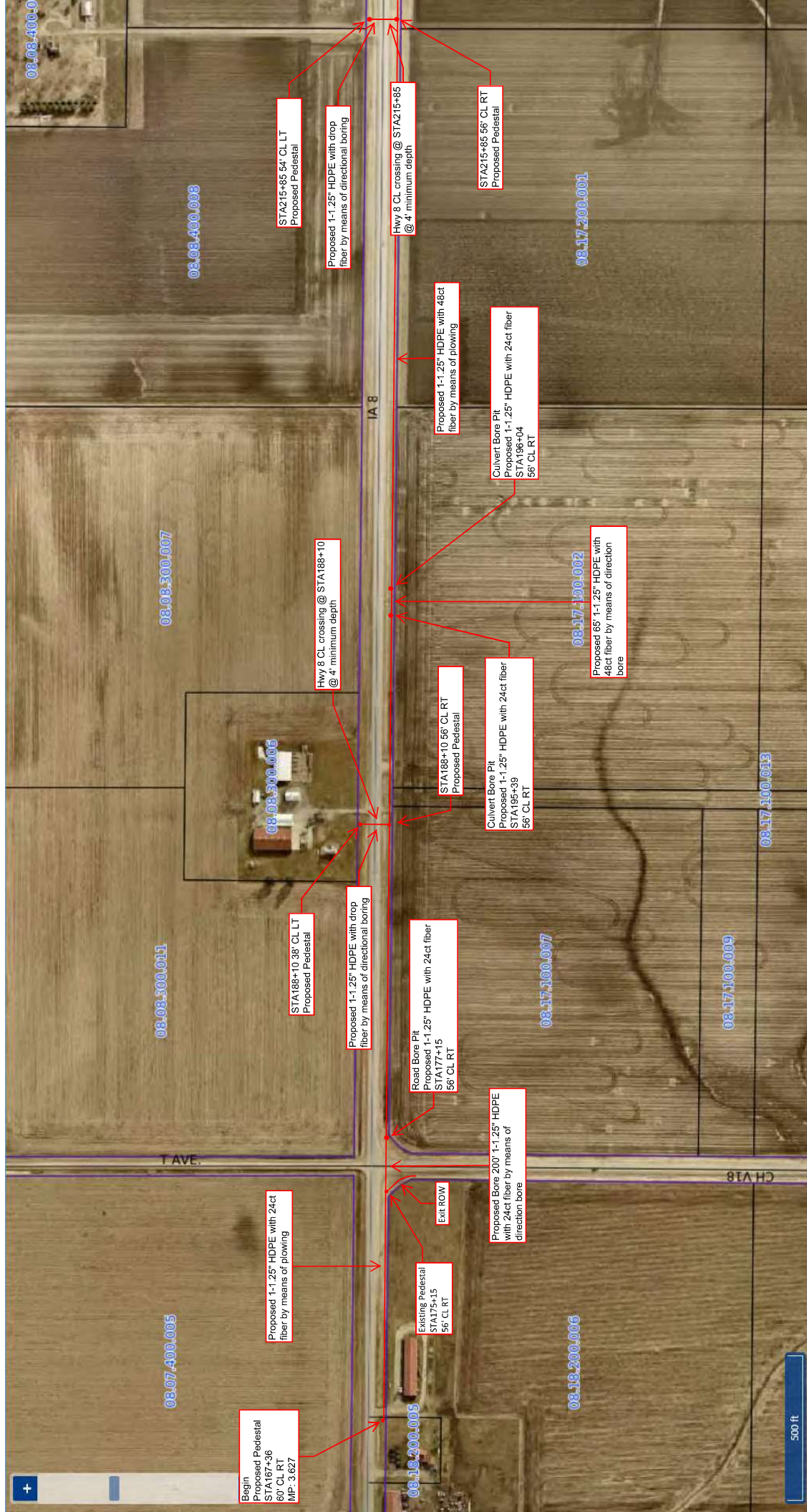


POT. STA. 30840.6 (Iowa No. 8)
POT. STA. 150070.55 (Iowa No. 21)

HIGHWAY LIGHTING LAYOUT
INTERSECTION OF
WEST JUNCTION OF IOWA NOS. 8 AND 21

PROJECT NUMBER	FN-8-(17)-21-86	STATE	IOWA	FILE DATE	1	SCALE		SHEET	3	TOTAL SHEETS	10
FILE NO. 231											

Tama COUNTY



Begin
Proposed Pedestal
STA167+36
60' CL RT
MF: 3.627

Proposed 1-1.25" HDPE with 24ct
fiber by means of plowing

STA188+10.38' CL LT
Proposed Pedestal

Proposed 1-1.25" HDPE with drop
fiber by means of directional boring

Road Bore Pit
Proposed 1-1.25" HDPE with 24ct fiber
STA177+15
56' CL RT

Proposed Bore 200' 1-1.25" HDPE
with 24ct fiber by means of
direction bore

Existing Pedestal
STA175+15
56' CL RT

Exit ROW

Hwy 8 CL crossing @ STA188+10
@ 4' minimum depth

STA188+10.56' CL RT
Proposed Pedestal

Culvert Bore Pit
Proposed 1-1.25" HDPE with 24ct fiber
STA195+39
56' CL RT

Proposed 65' 1-1.25" HDPE with
48ct fiber by means of direction
bore

Culvert Bore Pit
Proposed 1-1.25" HDPE with 24ct fiber
STA196+04
56' CL RT

Proposed 1-1.25" HDPE with 48ct
fiber by means of plowing

Hwy 8 CL crossing @ STA215+85
@ 4' minimum depth

STA215+85.56' CL RT
Proposed Pedestal

STA215+85.54' CL LT
Proposed Pedestal

Proposed 1-1.25" HDPE with drop
fiber by means of directional boring

08.07.400.005

08.08.500.011

08.08.500.007

08.08.400.003

08.17.100.007

08.16.200.006

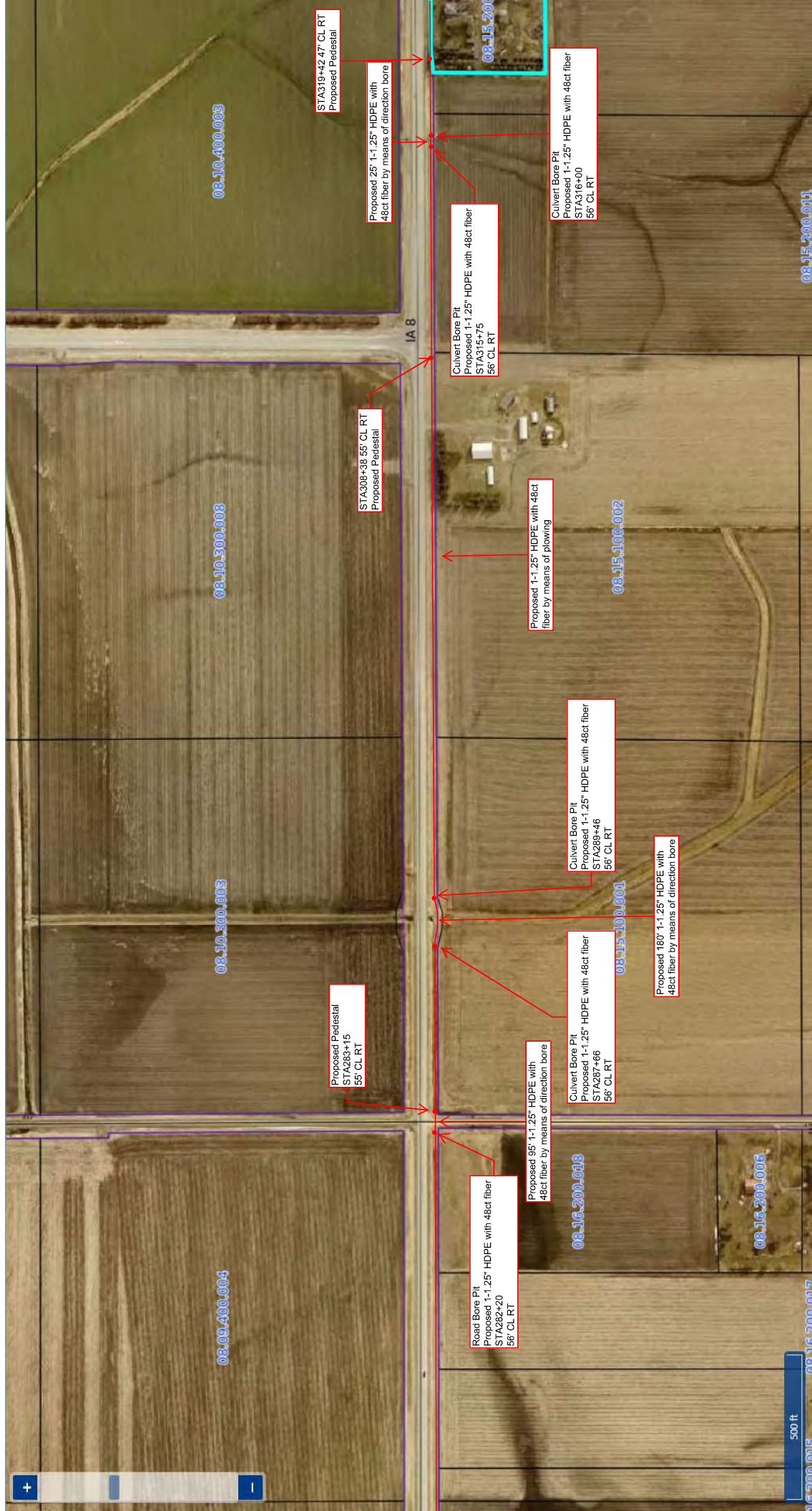
08.17.100.002

08.17.200.001

08.17.100.009

08.17.100.013

500 ft



STA319+42.47 CL RT
Proposed Pedestal

Proposed 25' 1-1.25" HDPE with
48ct fiber by means of direction bore

Culvert Bore Pit
Proposed 1-1.25" HDPE with 48ct fiber
STA316+00
56' CL RT

Culvert Bore Pit
Proposed 1-1.25" HDPE with 48ct fiber
STA316+00
56' CL RT

STA308+38.55 CL RT
Proposed Pedestal

Proposed 1-1.25" HDPE with 48ct
fiber by means of plowing

Culvert Bore Pit
Proposed 1-1.25" HDPE with 48ct fiber
STA289+46
56' CL RT

Proposed Pedestal
STA283+15
55' CL RT

Culvert Bore Pit
Proposed 1-1.25" HDPE with 48ct fiber
STA287+66
56' CL RT

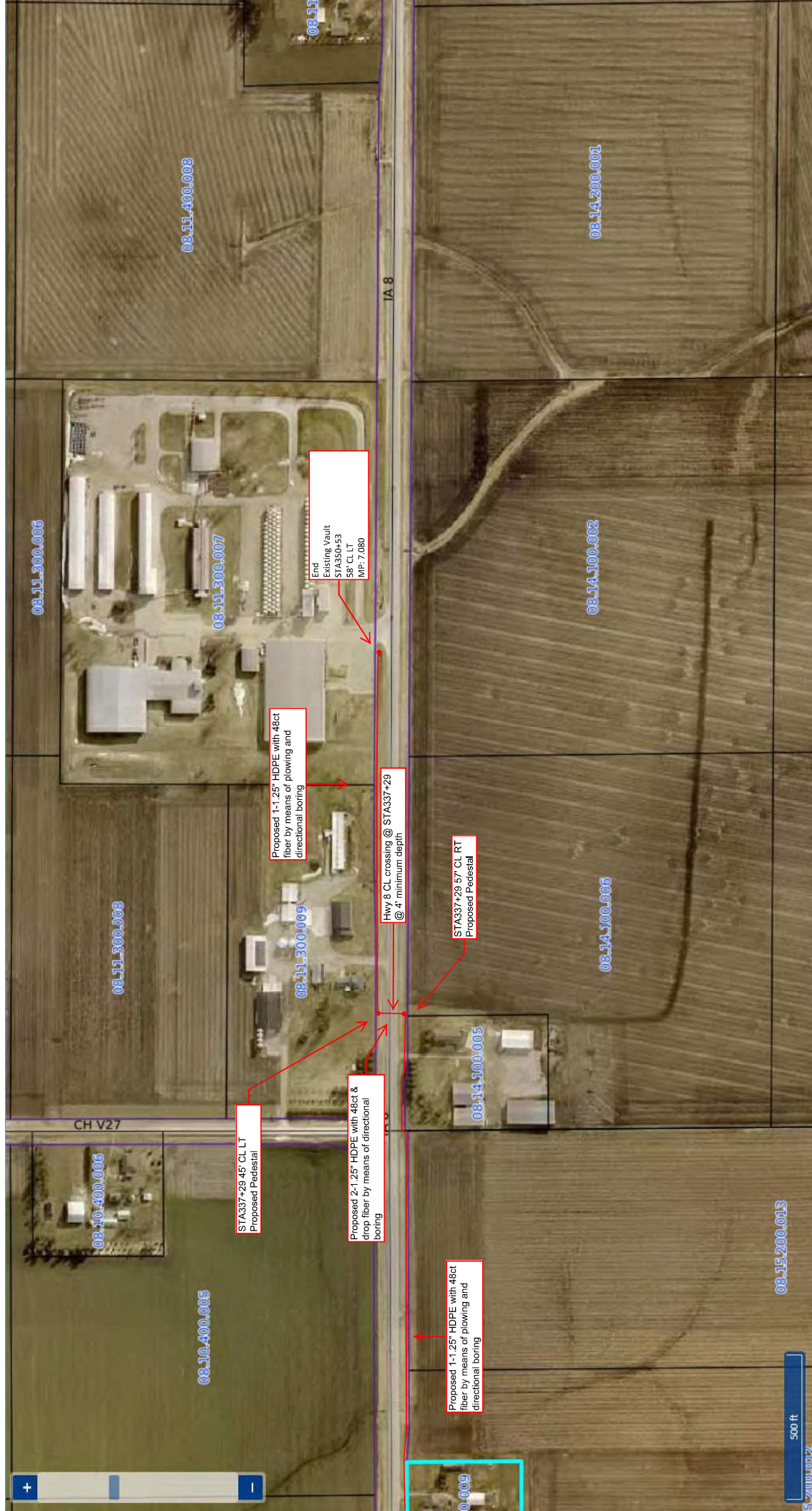
Proposed 180' 1-1.25" HDPE with
48ct fiber by means of direction bore

Proposed 95' 1-1.25" HDPE with
48ct fiber by means of direction bore

Road Bore Pit
Proposed 1-1.25" HDPE with 48ct fiber
STA282+20
56' CL RT



500 ft



+ -

500 ft

08.11.300.006

08.11.400.008

08.11.300.007

08.11.300.008

08.11.300.009

08.14.100.002

08.14.100.006

08.14.100.005

08.14.200.001

08.15.200.013

CH V27

IA 8

STA337+29 45' CL LT
Proposed Pedestal

Proposed 2-1.25" HDPE with 48ct &
drop fiber by means of directional
boring

Proposed 1-1.25" HDPE with 48ct
fiber by means of plowing and
directional boring

End
Existing Vault
STA350+53
58' CL LT
MP: 7.080

Hwy 8 CL crossing @ STA337+29
@ 4' minimum depth

STA337+29 57' CL RT
Proposed Pedestal

Proposed 1-1.25" HDPE with 48ct
fiber by means of plowing and
directional boring

08.009

Special Requirements to Permit

1. All material or equipment shall be kept off the Right of Way during non-working hours.
2. Right of Way shall be restored at the end of each working day.
3. No open holes or dirt piles shall be left on Right of Way during non –working hours.
4. No parking on shoulders.
5. Final seeding and restoration of Right of Way shall be done.
6. No digging into the side slopes of any road or highway shall be allowed.
7. Proper traffic control must be used at all times.

115.16(8) *Occupancy fee.* The utility owner shall pay to the department an annual fee for longitudinal occupancy of the freeway right-of-way. The initial fee is due before any construction work commences within the right-of-way.

a. Unless otherwise specified, the annual fee shall be as follows:

(1) When a multiduct system is required by the department: flat fee of \$14,500 per cable installation or \$7,250 per mile of cable, whichever is greater. These fees shall increase 3 percent per year after the base year of 2004.

(2) All other installations: flat fee of \$12,000 per cable installation or \$2,500 per mile of cable, whichever is greater. These fees shall increase 3 percent per year after the base year of 2004.

b. When the department requires the installation of a multiduct system, the department may enter into an agreement with the lead company for a discounted fee payment schedule to be in effect until the company has recovered all or an agreed upon portion of its cost of installing the system. Subsequent occupants of the multiduct system shall pay the full annual fee.

c. The department may negotiate an annual fee for occupancy dedicated solely to state government use.

115.16(9) *Performance bond.* The utility owner shall file a performance bond with the department prior to commencing work within the freeway right-of-way.

a. The bond shall be in the amount of \$100,000 per permit and shall guarantee prompt restoration of any damage caused during the installation of the utility facility.

b. The bond shall be in force for the duration of the construction. The department shall have the right to file a claim against the bond for two years thereafter.

115.16(10) *Insurance.*

a. The utility owner shall maintain the following insurance for bodily injury, death and property damage arising out of or in connection with the construction, maintenance and operation of the facility:

(1) General public liability insurance with limits of not less than \$500,000 for injury to or death of a single person, or not less than \$1,000,000 for any one accident, and not less than \$250,000 per accident for property damage.

(2) Comprehensive automobile liability insurance with limits of not less than \$500,000 for injury to or death of a single person, or not less than \$1,000,000 for any one accident, and not less than \$250,000 per accident for property damage.

(3) Excess liability coverage with limits of not less than \$5,000,000.

(4) Statutory workers' compensation coverage.

b. This insurance shall be in effect before the utility owner commences any work within the freeway right-of-way.

c. Coverage may be provided by blanket policies of insurance covering other property or risks.

d. The department shall be named as an additional insured party in the general public liability and excess liability insurance policies.

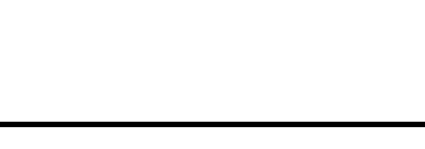
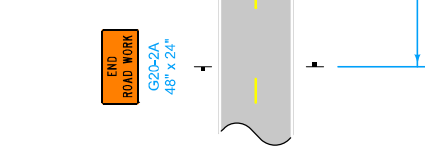
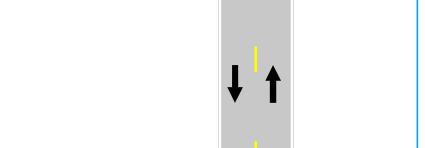
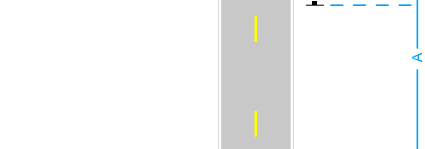
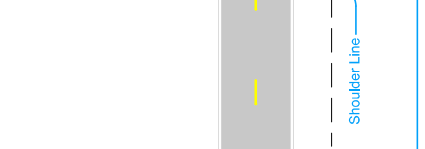
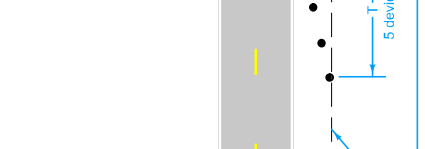
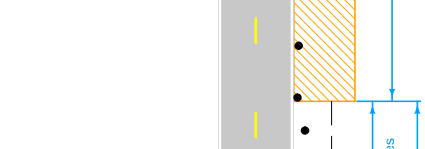
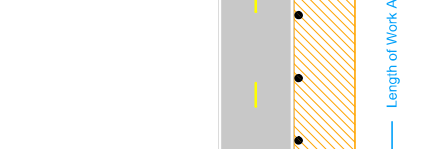
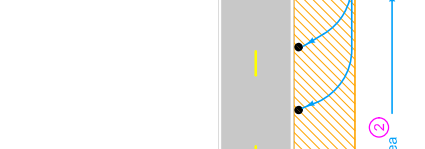
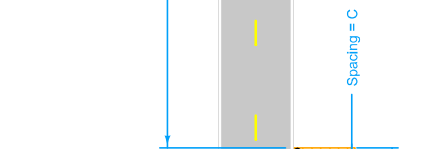
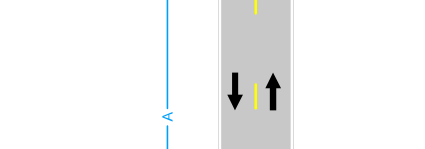
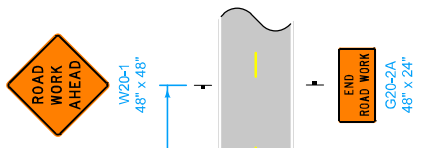
115.16(11) *Future adjustment.*

a. As a condition of the permit, the utility owner shall agree to waive all future rights to be reimbursed for adjustment costs incurred should maintenance or construction of the freeway system require adjustment of the utility facility.

b. Should adjustment of the utility facility be required, the department makes no assurance nor assumes any liability to the utility owner that the facility will again be allowed to occupy the freeway right-of-way.

115.16(12) *Term of permit.* The term of the permit shall not exceed 20 years. When the permit expires, the department may extend it in writing or renegotiate its terms.

115.16(13) *Utilities for highway facilities.* Longitudinal occupancy of utility facilities that service highway-related facilities are permissible upon such terms and conditions as the department may determine.



When a pavement edge drop-off exists, install a SHOULDER DROP-OFF sign.

No pavement edge drop-offs greater than pavement depth will be allowed during non-working hours.

Shoulder edge drop-offs shall be mitigated according to Article 1107.08.L2 of the Standard Specifications.

For work lasting less than one hour, refer to TC-1.

① When the length of a pavement edge drop-off is 1000 feet or less, the temporary fillet requirement of Article 1107.08 of the Standard Specifications does not apply. Reduce channelizer spacing to 40 feet.

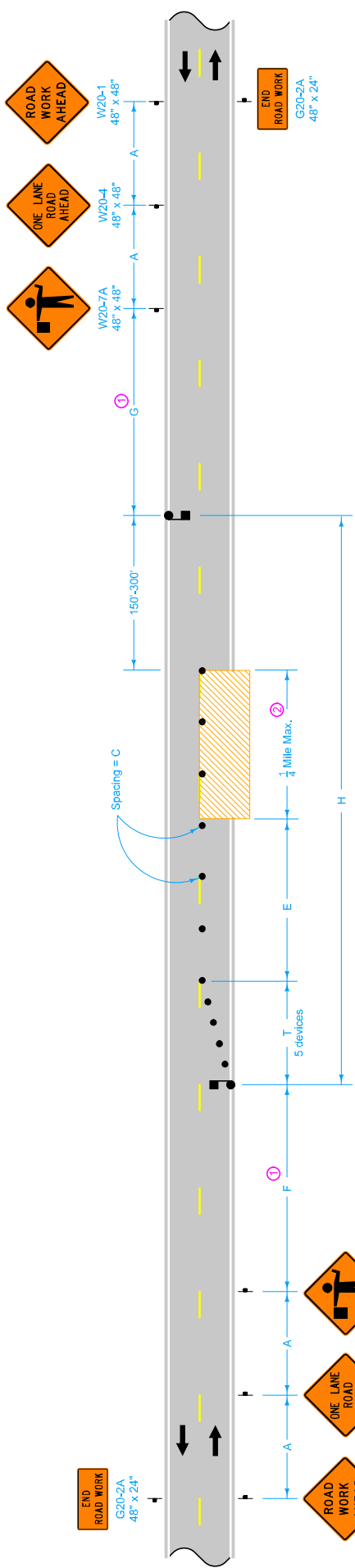
② For work areas less than 200 feet long, use channelizers spaced at 20 foot centers or use a vehicle with an amber revolving light or amber strobe light.

Possible Contract Item:
Traffic Control

	REVISION	8	04-21-15
	TC-202		
STANDARD ROAD PLAN			
REVISIONS: Modified general notes, changed title and replace the DOT logo in the title block with the new version.			
APPROVED BY DESIGNER/METHODS ENGINEER 			
WORK WITHIN 15 FT OF TRAVELED WAY			

LEGEND	
†	Traffic Sign
•	42" Channelizer
	Work Area
	Direction of Traffic

SPEED LIMIT (mph)	A	B	C	T
35 or less	500'	250'	40'	100'
40 - 45	700'	350'	80'	200'
50 or greater	1000'	500'	100'	200'



Possible Contract Items:
 Flaggers
 Traffic Control

 STANDARD ROAD PLAN <small>REVISIONS: New Logo.</small>	<small>REVISION</small> 4 10-15-19
	TC-213 <small>SHEET 1 of 1</small>
	<small>APPROVED BY DESIGN METHODS ENGINEER</small> <i>Alfred N. ...</i>

LANE CLOSURE WITH FLAGGERS

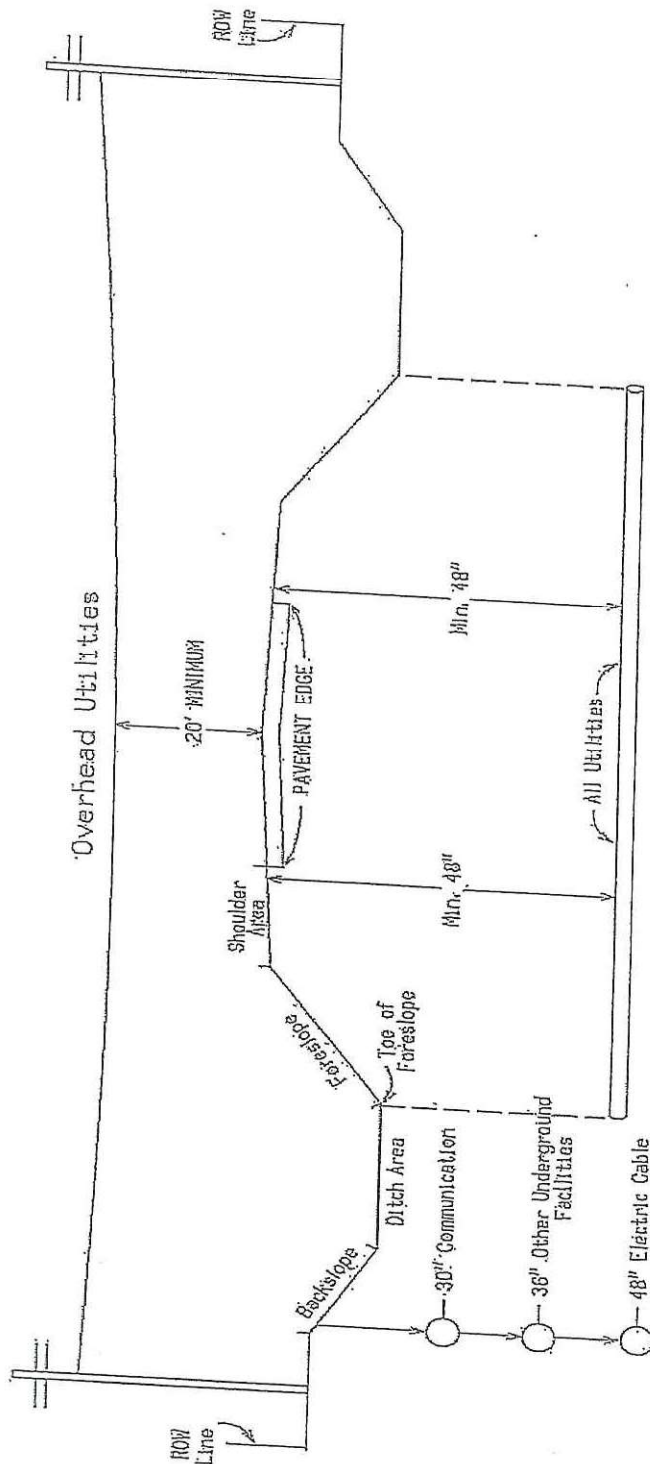
- ① Keep F and G distances as near to minimum values as work permits. However, to allow advancement of the work area without moving signs, F and G distances may be varied within the limits of the table. Maximum movement can be achieved by setting one F or G value at the minimum and the other value at its maximum.
- ② If length of work area exceeds 1/4 mile, use TC-214.

SPEED LIMIT (mph)	A	C	E	F and G Range	F + G Max.	H Max.	T
35 or less	250'	40'	0'-200'	500'-3000'	3500'	2000'	50'
40 - 45	350'	80'	0'-200'	700'-3000'	3700'	2000'	100'
50 or greater	500'	100'	200'-300'	1000'-3000'	4000'	2000'	100'

LEGEND

- Traffic Sign
- Flagger
- 42" Channelizer
- Work Area
- Direction of Traffic

Minimum Policy Requirements Rural Section Non-Freeway Highway



Notes:
 Utilities shall be located between the toe of foreslope and the highway row line.
 Utilities should be located as near to the highway row line as practical.
 See Utility Policy, Section 115.13 for further details.

Acceptable Clear Zone Distances (feet)
(Based on AASHTO Roadside Design Guide, 4th edition)

design speed	design ADT	FORESLOPES			BACKSLOPES		
		6:1 or flatter	Steeper than 6:1, up to and including 4:1	Steeper than 4:1	Steeper than 4:1*	4:1 or flatter, up to 6:1	6:1 or flatter
40 mph or less	ADT < 750	7	7	**	7	7	7
	750 ≤ ADT < 1500	10	12	**	10	10	10
	1500 ≤ ADT < 6000	12	14	**	12	12	12
	ADT ≥ 6000	14	16	**	14	14	14
45 – 50 mph	ADT < 750	10	12	**	8	8	10
	750 ≤ ADT < 1500	14	16	**	10	12	14
	1500 ≤ ADT < 6000	16	20	**	12	14	16
	ADT ≥ 6000	20	24	**	14	18	20
55 mph	ADT < 750	12	14	**	8	10	10
	750 ≤ ADT < 1500	16	20	**	10	14	16
	1500 ≤ ADT < 6000	20	24	**	14	16	20
	ADT ≥ 6000	22	26	**	16	20	22
60 mph	ADT < 750	16	20	**	10	12	14
	750 ≤ ADT < 1500	20	26	**	12	16	20
	1500 ≤ ADT < 6000	26	30	**	14	18	24
	ADT ≥ 6000	30	30	**	20	24	26
65 – 70 mph	ADT < 750	18	20	**	10	14	14
	750 ≤ ADT < 1500	24	28	**	12	18	20
	1500 ≤ ADT < 6000	28	30	**	16	22	26
	ADT ≥ 6000	30	30	**	22	26	28

* Backslopes as steep as 2.5:1 can be considered as part of the clear zone, as long as they are relatively smooth and do not contain any fixed objects. Refer to Section 8A-4 of the Design Manual for information regarding backslopes steeper than 2.5:1.

** Since a vehicle traveling on a slope steeper than 4:1 is likely to be diverted to the bottom of the slope, the width of any slope steeper than 4:1 cannot be counted in the clear zone determination. Refer to Section 8A-2 of the Design Manual for information on providing clear recovery areas at the base of steep slopes.

511 Information Required

Before setting up a lane closure or a vertical/horizontal restriction of any kind on a primary highway extension, call your local Iowa DOT maintenance garage to discuss timing and date of the closure/restriction. Once the maintenance garage concurs with the timing and date, call the Iowa DOT Traffic Management Center (TMC) at 515-237-3300. The TMC will put the information in the 511 system, which generates an automatic message to Iowa DOT Motor Carrier Services (MCS) and the District office.

The following information is required to enter a maintenance/construction event into the Iowa DOT 511 system.

Requestor: _____ Contact number: _____

Route(s) affected: _____

Project description: _____

Project begin location (detailed description including cross streets and mile markers): _____

Project end location (detailed description including cross streets and mile markers): _____

County/Countries: _____

24 hour project contact: _____
Name _____ Phone _____

Describe the impact on traffic:

- | | |
|--|--|
| <input type="checkbox"/> Closed | <input type="checkbox"/> Right lane closed |
| <input type="checkbox"/> Closed intermittently | <input type="checkbox"/> Left lane closed |
| <input type="checkbox"/> Intermittent lane closure | <input type="checkbox"/> Center lane closed |
| <input type="checkbox"/> Alternating lane closures | <input type="checkbox"/> Right shoulder closed |
| <input type="checkbox"/> Reduced to one lane | <input type="checkbox"/> Left Shoulder closed |
| <input type="checkbox"/> Reduced to two lanes | <input type="checkbox"/> Exit ramp closed |
| <input type="checkbox"/> Reduced to three lanes | <input type="checkbox"/> Entrance ramp closed |

- Two center lanes are closed
- Left exit ramp closed
- Shoulder closed
- Bridge closed
- Intersecting road closed
- Local road closures in area
- Left lane of exit ramp closed

- Road construction
- Work in the median
- Opposing traffic
- Single lane traffic alternating directions

Additional project information (pilot car, flagger, etc.):

Will there be temporary overhead signals? (15' standard height restriction)

- Yes No

If yes, please provide the location of the temporary overhead signals in the space provided.

Are there any other width or height restrictions:

- Yes No

If yes, please describe:

Additional public website comments:

Project beginning date and time:

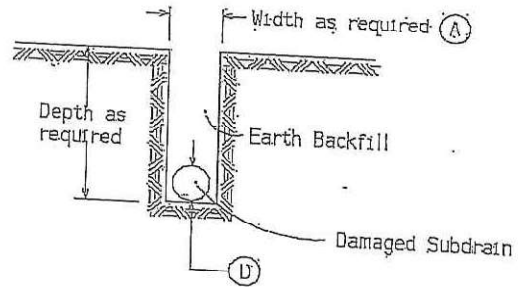
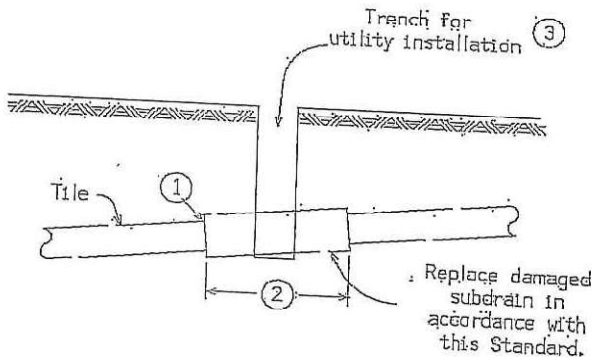
Project ending date and time:

Times of closure

- Continuous Weekdays (Monday – Friday) Nights

Times of closure:

Tile Line Repair Guideline



Note:
Replacement of drainage tile shall be accomplished so as to cause the minimum of disturbance to existing field tile. The repaired drainage tile shall be left in a functional condition with special emphasis placed on maintaining existing flow line elevations.

A = A minimum of 24" shall be excavated outside the normal utility trench wall or such greater width as may be required to expose a minimum of 12" of undamaged drain tile.

REPLACEMENT SCHEDULE - CASE 'A'										
Existing Tile (D)	4	6	8	10	12	15	18	21	24	>24
Proposed Subdrain Size										
Concrete Pipe			12	15	15	18	21	24	30	D+6"
Coated C.M.P.	10	12	15	18	21	24	30	36	36	*

* Replacement sizes provide equivalent capacity based on 6" settlement assuming a 0.20% slope with $n = 0.013$ for concrete pipe and $n = 0.025$ for corrugated pipe (Manning Formula)

NOTES:

Tile lines disturbed within the right-of-way (outside the Roadway Embankment Area *) limits shall be repaired as follows:

May be repaired with schedule 40 PVC pipe of compatible size or in accordance with the replacement schedule case 'A' as listed above. Replacement with schedule 40 PVC pipe shall require using a connecting device of a Femco plain and plain flexible pipe coupling or equal.

Tile lines disturbed within the "Roadway Embankment Area" shall be replaced in accordance with the replacement schedule - case 'A' stated above and as follows:

1 Concrete collar to be placed around joint where existing tile line and corrugated aluminum metal pipe connect.

2 Minimum length of corrugated metal pipe shall be 4 feet. Minimum length of 2 feet on each side of the tile line break location.

3 Trench shall be backfilled with 8 inches loose material, compacted to 6 inches with a minimum of 95% compaction of natural density.

A. Backfill and compact area around drain tile to be completed by hand until new tile is completely covered. Remainder of the trench shall be backfilled by acceptable methods.

B. Area shall require inspection by the Iowa Department of Transportation inspectors or their designated personnel prior to backfilling of trench.

* "Roadway Embankment Area" is defined as the area lying between the foreslopes of a two-lane roadway and from near foreslope to far foreslope of a four-lane roadway.

Erosion Control Detail

Table 2601.03.1 Rural Stabilizing Crop Seeding Rates and Schedule

March 1 through October 31

Oat	60 lbs. per acre (56 kg/ha)
Grain Rye	60 lbs. per acre (56 kg/ha)
Canada wild rye (<i>Elymus Canadensis</i>)	7 lbs. PLS per acre (8 kg/ha)

November 1 through February 28 (29)

Oat	62 lbs. per acre (69 kg/ha)
Grain Rye	62 lbs. per acre (69 kg/ha)
Canada Wild rye (<i>Elymus Canadensis</i>)	7 lbs. PLS per acre (8 kg/ha)

For stabilizing crop only, Canada wild rye (*Elymus Canadensis*) seed will not be required to be certified as Source Identified Class (Yellow Tag) Source G0-Iowa.

Canada wild rye (*Elymus Canadensis*) seed shall be debearded or equal to facilitate application of seed.

Table 2601.03-2: Urban Stabilizing Crop Seeding Rates

Bluegrass, Kentucky	122 lbs. per acre (187 kg/ha)
Ryegrass, Perennial (Fine leaf Variety)	35 lbs. per acre (39 kg/ha)
Fescue Creeping Red	18 lbs. per acre (20 kg/ha)

Table 2601.03-8 Permanent Seed Rates, Rural Areas

Fescue Tall (Fawn)	100 lbs. per acre (112 kg/ha)
Ryegrass, Perennial (Linn)	75 lbs. per acre (84 kg/ha)
Bluegrass, Kentucky	20 lbs. per acre (22 kg/ha)

Permanent Seed Rates, Urban Area

Bluegrass, Kentucky	122 lbs. per acre (187 kg/ha)
Ryegrass, perennial (Fine leaf)	35 lbs. per acre (39 kg/ha)
Fescue, Creeping Red	18 lbs. per acre (20 kg/ha)