IOWA COMMUNICATIONS NETWORK

CONSTRUCTION DRAWINGS FOR: FIBER INSTALLATION ALONG 4TH AVENUE NE IN SIOUX CENTER FOR CONNECTIONS TO AEA BUILDING AND DORDT COLLEGE. (SIOUX COUNTY)

PROJECT OVERVIEW:

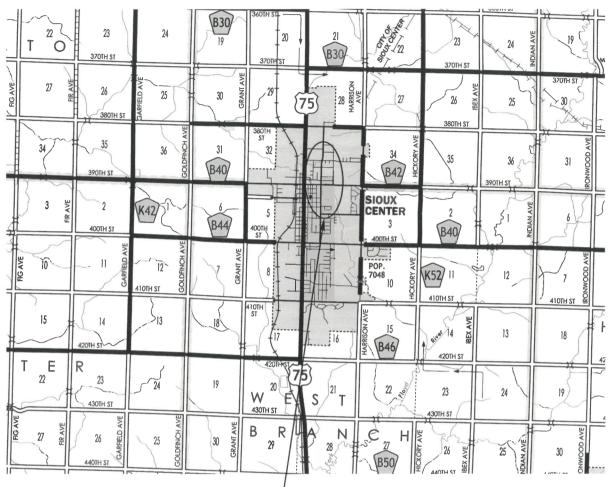
NEW INSTALLATION OF ARMORED 12-STRAND OSP FIBER CABLE THROUGH NEW 2" HDPE CONDUIT ALONG 4TH AVENUE NE IN SIOUX CENTER, IOWA. NEW CONDUIT WILL RUN FROM EXISTING DORDT COLLEGE HANDHOLE AT 5TH STREET NE TO AN EXISTING AEA BUILDING HANDHOLE NORTH OF 12TH STREET NE. APPROXIMATELY 3924' OF NEW DUCT AND FOUR NEW 24X36X36 HANDHOLES WILL BE REQUIRED TO CONNECT THE EXISTING BUILDING HANDHOLES. THE HDPE CONDUIT SHALL BE NO LESS THAN 42 INCHES DEEP IN ALL AREAS. A 12-STRAND ARMORED CABLE WILL BE PULLED IN FROM THE AEA BUILDING TO THE NEW HANDHOLE AT THE CORNER OF 4TH AVENUE NE AND 5TH STREET NE. AT THIS HANDHOLE A SPLICE CLOSURE AND ISO-LEVER LOCATE STATION WILL BE INSTALLED AND A 12-STRAND DIELECTRIC INDOOR/OUTDOOR CABLE WILL BE PULLED INTO THE DORDT COLLEGE RIBBENS CENTER BUILDING. RESTORE RIGHT-OF-WAY AND REMOVE ANY DEBRIS FROM THE CONSTRUCTION AREA.

	SHEET INDEX
1	TITLE PAGE (THIS SHEET)
2	MATERIALS
3-8	CONSTRUCTION DRAWING
9-12	BUILDING ENTRANCE DETAILS
	ICN TYPICAL DETAILS FOR:
ATTACHMENTS	
	-BUILDING ENTRANCE

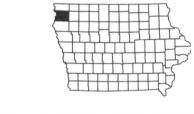
	CONTACTS*								
COMPANY	TYPE	NAME	PHONE	EMAIL					
Iowa Communications Network (ICN)	OSP Engineer	Tim Flickinger	515-725-4699	timothy.flickinger@iowa.gov					
Iowa Communications Network (ICN)	ICN Materials	Paul Damge	515-725-4749	paul.damge@iowa.gov					
City of Sioux Center	City Permit	Josh Dorhout	712-722-0761	joshd@siouxcenter.org					
Dordt College	Building Connection	Arlan Nederhoff	712-722-6015	arlan.nederhoff@dordt.edu					

^{*}THIS CONTACT LIST IS NOT ALL-INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR REQUESTING LOCATES OF ALL UTILITIES.

PROJECT LOCATION



PROJECT LOCATION



ICN





		COLLEGE CENTER I		COMPLEX	CONNECTION
lsm	1	PRELIMINA	RY	04-22-19	IOWA COMMU
	_				400 = 44

1 PRELIMINARY 04-22-19 IOWA COMMUNICATIONS NETWORK
2 FINAL 05-03-19 GRIMES STATE OFFICE BUILDING DES MOINES, IOWA 50319
4 ICN © 2019, COPY WITH PERMISSION

SCALE: NONE SIZE: 11 × 17 TITLE PAGE PAGE 1 0F 12

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OSP PROJECT LOG # 84190105

LINK NAME: 0410

1-800-292-8989

Iowa Communications Network

Date: 04/29/19

IOWA COMMUNICATIONS NELWORK	Dat	. C .	04/29/19
Project Name: Sioux Center, Dordt College Ribbens Complex			
Project Number: 84190105			
ICN Provided Material List (Warehouse C	Contact Paul Damge 515.725.4749)	
ltem	ICN Part Number	Qty	Notes
FIBER CABLE			
12 strand Armored SM fiber		5400	
12 strand Indoor/Outdoor OFNR Dielectric SM fiber		850	
HANDHOLES AND LIDS			
Bulk 24"x36"x36" with lid Tier 22	BULKU2436360061001	4	
Bulk Puck ICN Logo Black	ACC7734-125	3	
Bulk Puck ICN Logo Orange	ACC7334OR-125	1	Locate point only
LOCATE FACILITIES			
LOCATE STATIONS	EN6405 OD		
IsoLever (Rhino Marker Isolation Lever only, no post)	EM9125-OR	1	Mount in handhole
ISO Lever Locate Box (pre-fabricated unit)	ISOLOCBOX	1	
0.001///0.000			
GROUNDING STATES OF THE PROPERTY OF THE PROPER	044000		
Erico 1/2" x 6' Ground Rod (Graybar)	611360	2	
Burndy 1/2" Ground Rod Clamp (Anixter)	GRC12	2	
WIRE			
12 AMG Copperhead 30 MIL Insulated Orange Copper Clad Steel Tracer Wire***	1230NH\$1000	602	
MARKERS FLAGS DECALS	+		
ICN Snap Around Vulcan 4"X4" 15Mil Coiled Pvc (ICN-4X4-Sa)	1502345 (ICN-4x4-SA)	12	
1014 Original Amodital VIII of the Local Land Contract Lan	1002040 (1011-424-02)	12	
TERMINATION ITEMS: FDP, BULKHEADS, TRAYS, & RELATED			†
Closet Connector Housing (CCH), 1 rack unit, holds 2 CCH cassettes	CCH-01U	1	
Wall-Mountable Connector Housing (WCH), Holds 2 CCH connector panels	WCH-02P	1	
CCH Pigtailed Splice Cassette, 12 F, SC UPC Duplex, SM, SF PRE-ASSEMBLED	CCH-CS12-59-P00RE	1	
CCH Pigtailed Splice Cassette, 6 F, SC UPC Simplex, SM PRE-ASSEMBLED	CCH-CS06-3C-P00RE	1	
COTT I Igualies opince casselle, of , So of a Simplex of the Machine Page 1	6011-0000-30-1 bone	- '	
Leviton storage ring 24-inch	48900-OFR	2	
SPLICING MATERIALS			
SPLICE CLOSURES			
450BS FOSC450-BS-6-NT-0-B0V	F34112-000	1	
SPLICE TRAYS			
A TRAY 12 FOSC-ACC-A-TRAY-12 TRAY WITH 12 FUSION SPLICE HOLDER	497817-000	1	BS case
BONDING & TRACING HARDWARE			
FOSC Closure Sealing Kit FAK-MULDRP-45-4P/CBL-ATT	1F6818-000	1	
3M Scotchlok Shield Bond Connector 4460-D	4460-D	1	

NOTE ON HDPE CONDUIT AND SPLICES:

- 1. HDPE SHALL BE ORANGE SMOOTH WALL SDR 13.5
- 2. DUCT SPLICES SHALL BE MADE OF THE FOLLOWING (IN ORDER OF PREFERENCE.)
 - -CRIMP ON
 - -CLAMP ON / BOLT ON (SPLIT COUPLINGS)
 - -PUSH ON

3. ALL SPLICES SHALL BE AIR AND WATER TIGHT

- 4. DUCT SPLICES SHALL BE OF A TYPE MADE SPECIFICALLY FOR JOINING HDPE CONDUIT
- 5. ALL DUCT SPLICES SHALL BE MADE IN SUCH MANNER AS TO ALLOW CONTINUOUS PULLING OF CABLE THROUGH DUCT.

ANY EXCEPTIONS MUST BE AGREED UPON IN WRITING PRIOR TO CONSTRUCTION:



DORDT	COLLEGE	RIBBENS	COMPLEX	CONNECTION
SIOUX	CENTER IC	AWC		

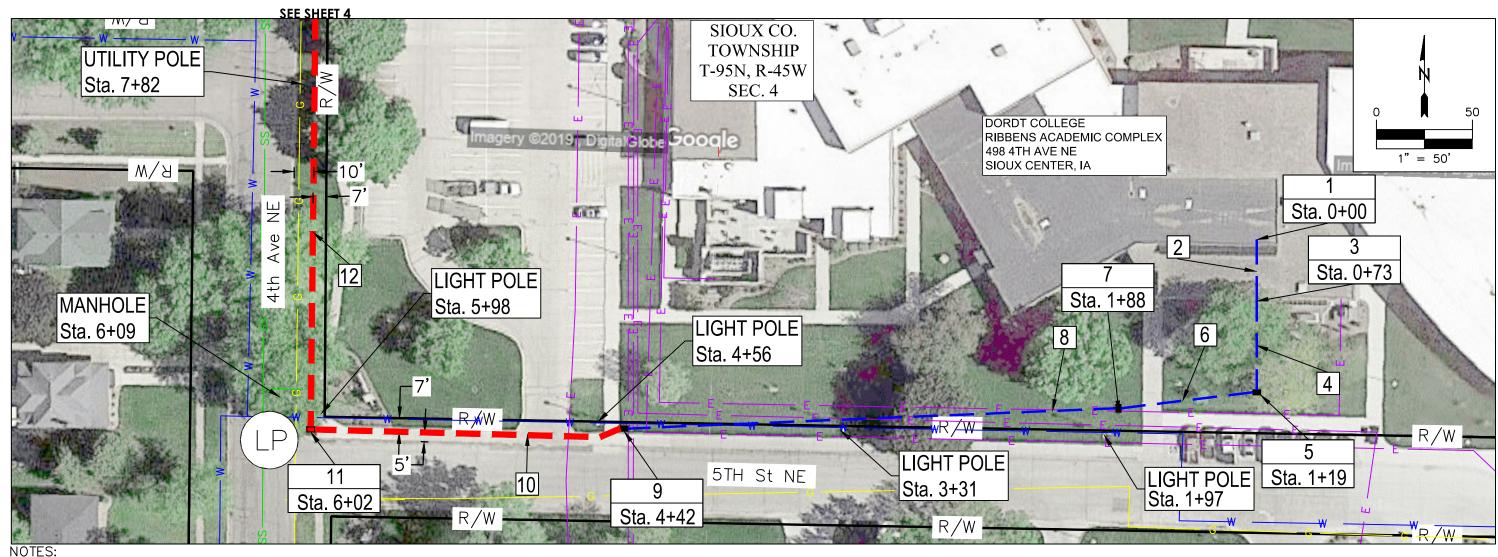
IOWA COMMUNICATIONS NETWORK 400 EAST 14TH STREET GRIMES STATE OFFICE BUILDING DES MOINES, IOWA 50319 ICN © 2019, COPY WITH PERMISSION

PRELIMINARY 3 FINAL SCALE: NONE

04-22-19

05-03-19

ICN



- 1. IT ROOM SEE DETAILS ON SHEET 9-10
- 2. 73' FROM STA. 0+00 TO STA. 0+73 EXISTING 4" DORDT COLLEGE CONDUIT LINK 0410 - 12 F/D INDOOR/OUTDOOR #12 TRACER WIRE
- 3. STA. 0+73 EXISTING DORDT COLLEGE JUNCTION BOX 50' COIL OF 12 F/D INDOOR/OUTDOOR
- 4. 46' FROM STA. 0+73 TO STA. 1+19 EXISTING 4" DORDT COLLEGE CONDUIT LINK 0410 - 12 F/D INDOOR/OUTDOOR #12 TRACER WIRE
- 5. ŠTA. 1+19
 - EXISTING DORDT COLLEGE HANDHOLE (30"X48"X36") LEAVE 1 LOOP OF CABLE FOR SLACK
- 6. 69' FROM STA. 1+19 TO STA. 1+88 EXISTING 4" DORDT COLLEGE CONDUIT LINK 0410 - 12 F/D INDOOR/OUTDOOR #12 TRACER WIRE
- 7. ŠTA. 1+88 EXISTING DORDT COLLEGE HANDHOLE (30"X48"X36") LEAVE 1 LOOP OF CABLE FOR SLACK

- 8. 254' FROM STA. 1+88 TO STA. 4+42 EXISTING 4" DORDT COLLEGE CONDUIT (CONTRACTOR TO VERIFY CONDUIT SEGMENT BEFORE INSTALLING FIBER) LINK 0410 - 12 F/D INDOOR/OUTDOOR #12 TRACER WIRE
- 9. STA. 4+42 EXISTING DORDT COLLEGE HANDHOLE (30"X48"X36") LEAVE 1 LOOP OF CABLE FOR SLACK
- 10. 160' FROM STA. 4+42 TO STA. 6+02 2" CONDUIT (BORED) LINK 0410 - 12 F/D INDOOR/OUTDOOR #12 TRACER WIRE
- 11. STA. 6+02 INSTALL HANDHOLE, 24" X 36" X 36", 4' NORTH OF BOC AND 8' EAST OF BOC ISO-LEVER LOCATE STATION MS410-A - TYCO 450BS SPLICE CLOSURE

75' COIL OF 12 F/D INDOOR/OUTDOOR 75' COIL OF 12 F/A

12. 1012' FROM STA. 6+02 TO STA. 16+14 2" CONDUIT (BORED) LINK 0410 - 12 F/A

LEGEND **EXISTING DUCT** PROPOSED ICN DUCT RIGHT-OF-WAY EXISTING HANDHOLE PROPOSED ICN HANDHOLE EXISTING WATER EXISTING STORM SEWER ----- SS -EXISTING ELECTRIC EXISTING GAS

GENERAL NOTES:

1. DUCT TO BE INSTALLED MINIMUM 48" DEPTH EXCEPT WHERE NOTED

CONSTRUCTION DOCUMENT

DOF	RDT COLLI	T.C.N.				
SIO	SIOUX CENTER IOWA					
1	PRELI	MINARY	04-22-19	IOWA COMMUNICATI	ONS NETWORK	
2	FINAL		05-03-19	400 EAST 14TH S		
3				GRIMES STATE OFFIC DES MOINES, IOW		
4				ICN © 2019, COPY WITH		
SCALE: 1" = 50' SIZE: 11 x 17		CONSTRUCTION		PAGE 3 OF 12		

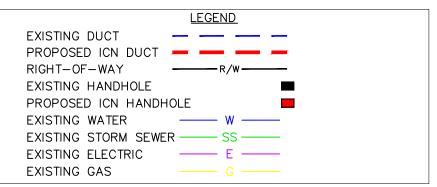
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OSP PROJECT LOG #: 84190105

LINK NAME: 0410



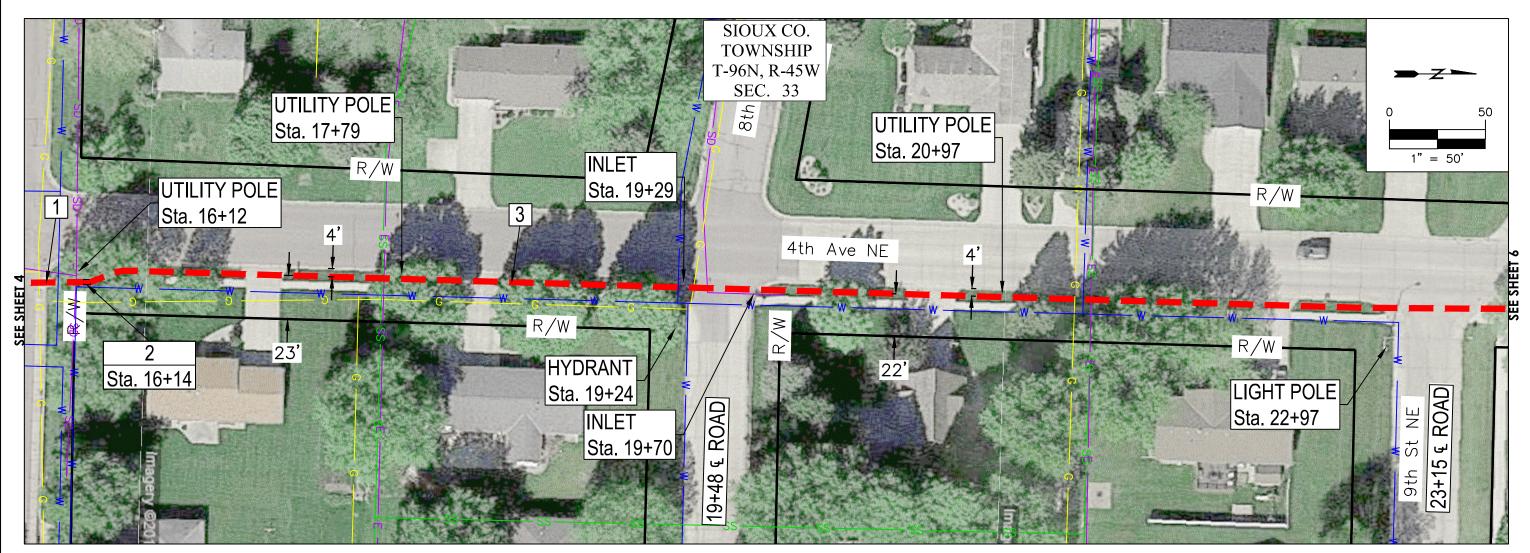
1. 2" HDPE, LINK 0410 - 12 F/A



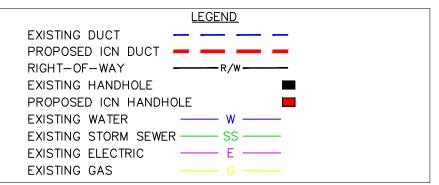
GENERAL NOTES:

1. DUCT TO BE INSTALLED MINIMUM 48" DEPTH EXCEPT WHERE NOTED

		RDT COLLI UX CENTE		CONNECTION	ICN		
	1	PREL	MINARY	04-22-19	IOWA COMMUNICATI	ONS NETWORK	
	2	FINAL		05-03-19	400 EAST 14TH STREET		
	3				GRIMES STATE OFFIC DES MOINES, IOW		
	4				ICN © 2019, COPY WITH		
٦	SCAL	ALE: 1" = 50' SIZE: 11 x 17		CONSTRUCTION		PAGE 4 OF 12	



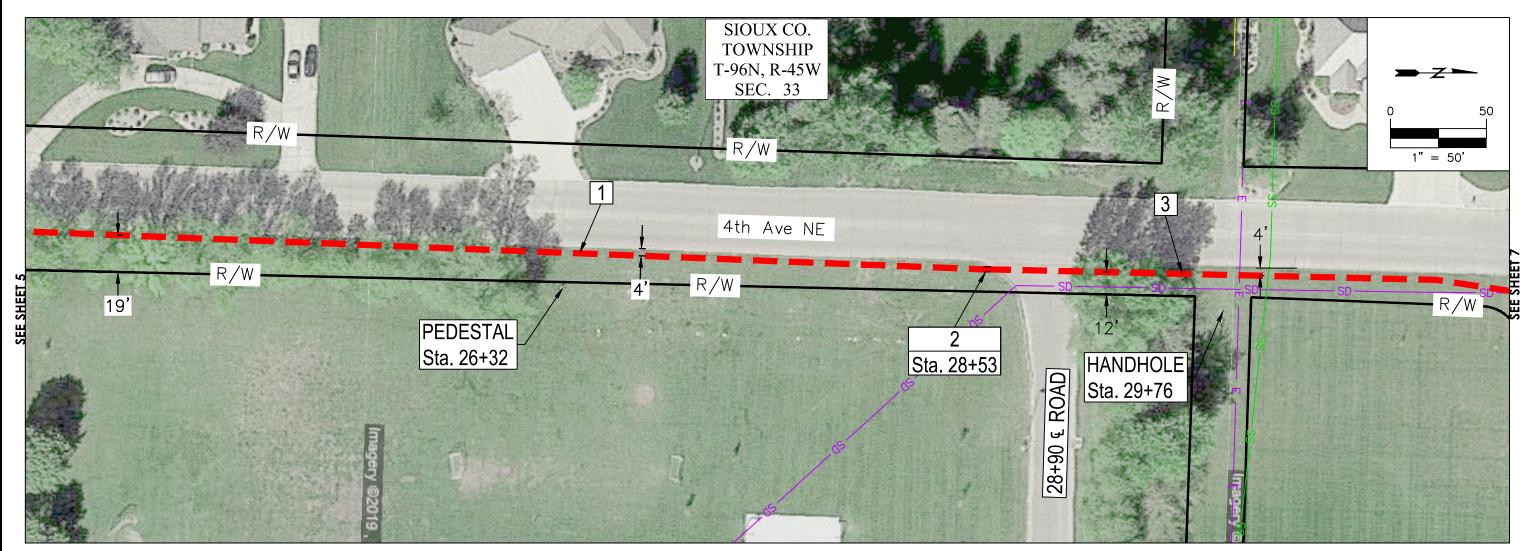
- 1. 2" HDPE, LINK 0410 12 F/A
- 2. STA. 16+14
 INSTALL HANDHOLE, 24" X 36" X 36"
 20' NORTH OF BOC AND 12' EAST OF BOC
 150' COIL OF 12 F/A
- 3. 1239' FROM STA. 16+14 TO STA. 28+53 2" CONDUIT (BORED) LINK 0410 - 12 F/A



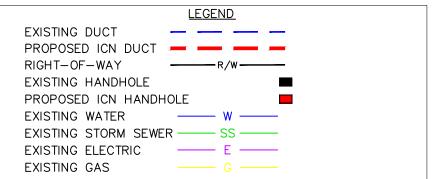
GENERAL NOTES:

1. DUCT TO BE INSTALLED MINIMUM 48" DEPTH EXCEPT WHERE NOTED

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1	PREL	MINARY	04-22-19	IOWA COMMUNICATI	ONS NETWORK
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4				ICN © 2019, COPY WITH	
SCAL	ALE: 1" = 50' SIZE: 11 x 17		CONSTRUCTION		PAGE 5 OF 12



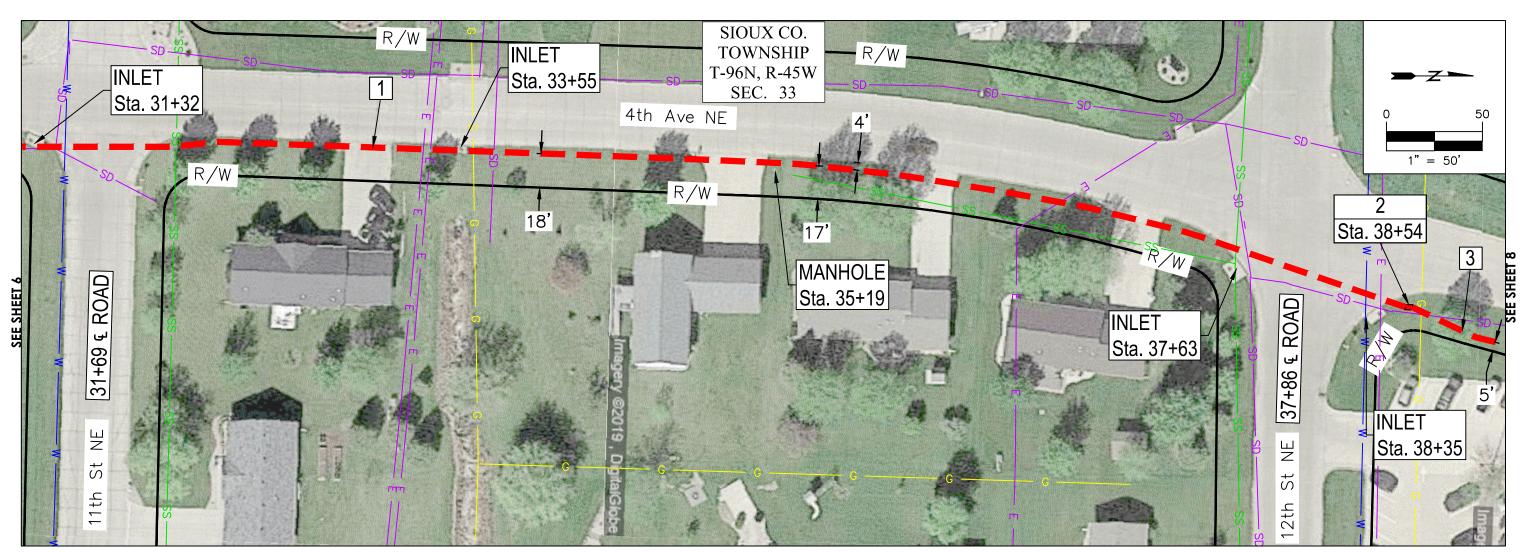
- 1. 2" HDPE, LINK 0410 12 F/A
- 2. STA. 28+53
 INSTALL HANDHOLE, 24" X 36" X 36"
 6' SOUTH OF BOC AND 4' EAST OF BOC
 150' COIL OF 12 F/A
- 3. 1001' FROM STA. 28+53 TO STA. 38+54 2" CONDUIT (BORED) LINK 0410 - 12 F/A



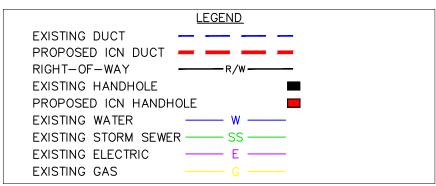
GENERAL NOTES:

1. DUCT TO BE INSTALLED MINIMUM 48" DEPTH EXCEPT WHERE NOTED

		RDT COLLEGE RIBBEI UX CENTER IOWA	NS COMPLEX	CONNECTION
	1	PRELIMINARY	04-22-19	IOWA COMMUNICATIONS NETWORK
	2	FINAL	05-03-19	400 EAST 14TH STREET
	3			GRIMES STATE OFFICE BUILDING DES MOINES, IOWA 50319
	4			ICN © 2019, COPY WITH PERMISSION
1	SCAL	: 1" = 50' SIZE: 11 x 17	CONSTRUCTION	PAGE 6 OF 12



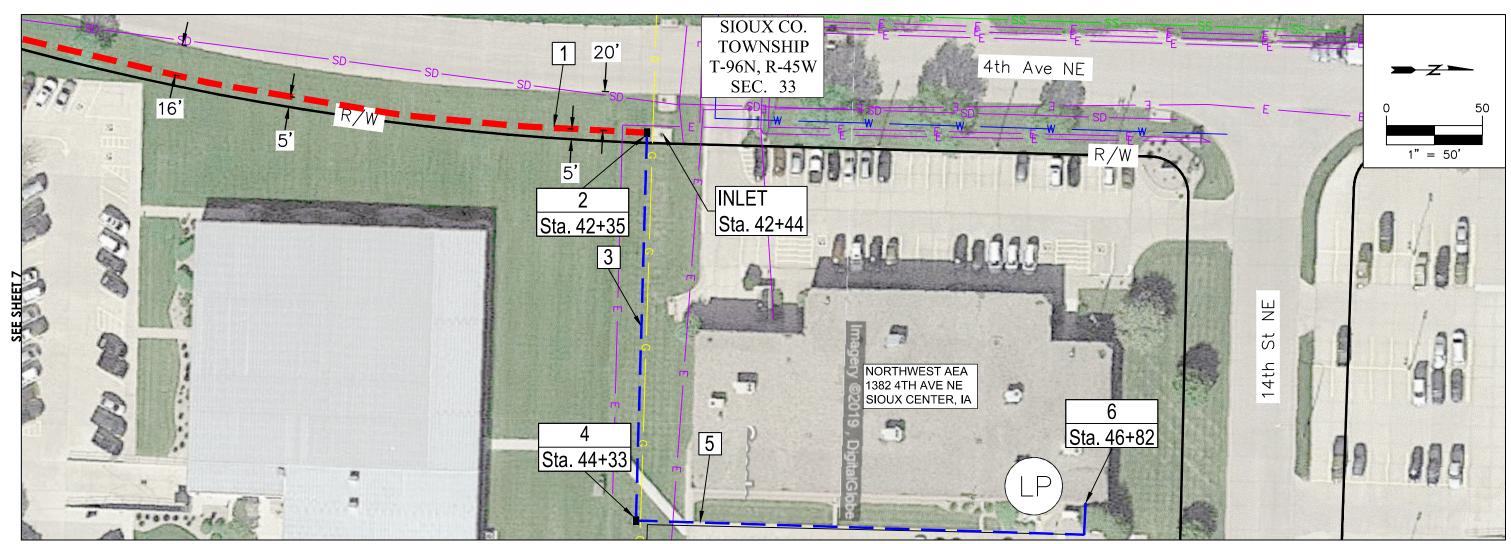
- 1. 2" HDPE, LINK 0410 12 F/A
- 2. STA. 38+54
 INSTALL HANDHOLE, 24" X 36" X 36"
 15' NORTH OF BOC AND 6' EAST OF BOC
 150' COIL OF 12 F/A
- 3. 672' FROM STA. 38+54 TO STA. 42+35 2" CONDUIT (BORED) LINK 0410 - 12 F/A



GENERAL NOTES:

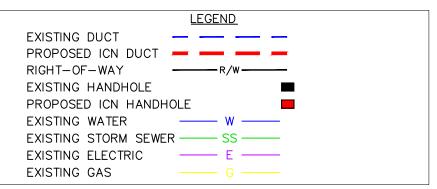
1. DUCT TO BE INSTALLED MINIMUM 48" DEPTH EXCEPT WHERE NOTED

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ı	SIO	ICN.				
ı	1	PRELI	MINARY	04-22-19	IOWA COMMUNICATI	ONS NETWORK
ı	2	FINAL		05-03-19	400 EAST 14TH S	
ı	3				GRIMES STATE OFFIC DES MOINES, IOW	
	4				ICN © 2019, COPY WITH	
٦	SCAL	LE: 1" = 50' SIZE: 11 x 17		CONSTRUCTION		PAGE 7 OF 12



- 1. 2" HDPE, LINK 0410 12 F/A
- 2. STA. 42+35
 EXISTING HANDHOLE 48" ROUND
 LEAVE 1 LOOP OF CABLE FOR SLACK
- 3. 198' FROM STA. 42+35 TO STA. 44+33
 EXISTING INNERDUCT IN 4" AEA BUILDING CONDUIT
 LINK 0410 12 F/A
- 4. STA. 44+33
 EXISTING HANDHOLE 48" ROUND
 LEAVE 1 LOOP OF CABLE FOR SLACK
- 5. 672' FROM STA. 44+33 TO STA. 46+82
 EXISTING INNERDUCT IN 1.25" AEA BUILDING CONDUIT
 LINK 0410 12 F/A

6. EXISTING AEA BUILDING JUNCTION BOX
1 EA. ISO-LEVER LOCATE STATION
#6 GROUND WIRE FROM GROUND BAR TO ISO-LEVER
#10 WIRE FOR TRACER TO BE BONDED TO ARMORED CABLE
SEE DETAILS ON SHEET 11-12

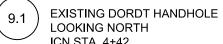


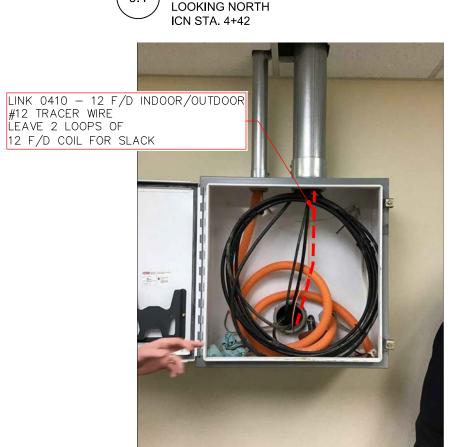
GENERAL NOTES:

- 1. DUCT TO BE INSTALLED MINIMUM 48" DEPTH EXCEPT WHERE NOTED
- 2. SEE PAGES 11-12 AND SXCTAEA4 FOR EXISTING BUILDING ENTRY INFORMATION

	ORDT COLLEGE RIBBENS COMPLEX CONNECTION IOUX CENTER IOWA							
1	PRELI	MINARY	04-22-19	IOWA COMMUNICATI	ONS NETWORK			
2	FINAL		05-03-19	400 EAST 14TH S				
3				GRIMES STATE OFFIC DES MOINES, IOW				
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SCALE: 1" = 50' SIZE: 11 x 17		CONSTRUCTION		PAGE 8 OF 12				







EXISTING DORDT JUNCTION BOX TO HH OUTSIDE SCHOOL WALL ICN STA. 0+73



EXISTING DORDT HANDHOLE LOOKING NORTH ICN STA. 1+88



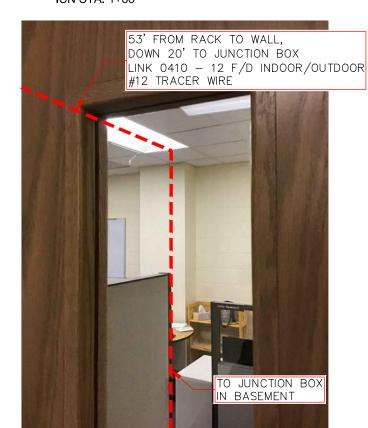
OSP PROJECT LOG #: 84190105

LINK NAME: 0410

EXISTING DORDT HANDHOLE LOOKING NORTH ICN STA. 1+19



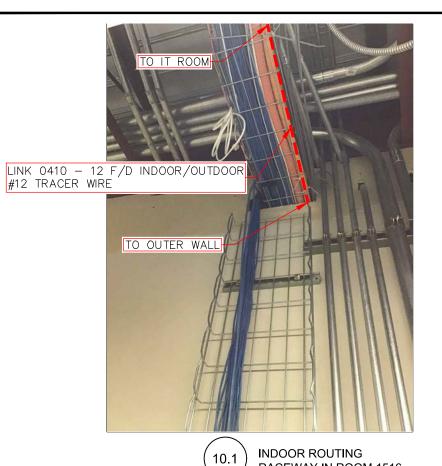
EXISTING DORDT HANDHOLE LOOKING WEST ICN STA. 1+19



INDOOR ROUTING 9.6

DORDT COLLEGE RIBBENS COMPLEX EXTERIOR/INTERIOR

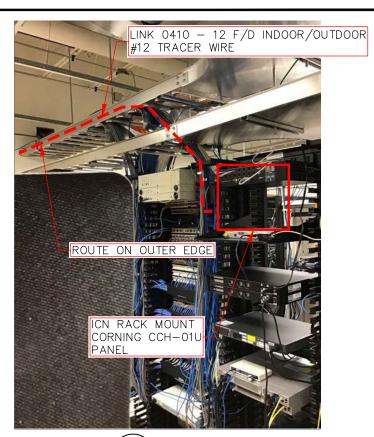
DORDT COLLEGE RIBBENS COMPLEX CONNECTION SIOUX CENTER IOWA							N.
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3				GRIMES STATE OFFIC DES MOINES, IOW			
4				ICN © 2019, COPY WITH		NC	
SCAL	E: 1" = 50'	SIZE: 11 x 17	CONSTRUCTION		PAGE 9	OF	12



RACEWAY IN ROOM 1516







INDOOR ROUTING 10.3 RACK DETAIL



INDOOR ROUTING RACK DETAIL

DORDT COLLEGE RIBBENS COMPLEX INTERIOR

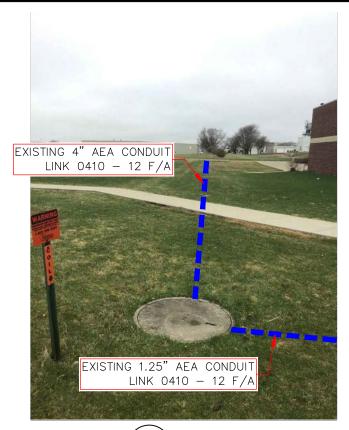
DORDT COLLEGE RIBBENS COMPLEX CONNECTION				ICN		
SIOUX CENTER IOWA				LICK		
1	PRELIMINARY		04-22-19	IOWA COMMUNICATIONS NETWORK		
2	FINAL		05-03-19	400 EAST 14TH STREET		
3					GRIMES STATE OFFICE BUILDING DES MOINES, IOWA 50319 CN © 2019, COPY WITH PERMISSION	
4						
SCALE: 1" = 50' SIZE: 11 x 17		CONSTRUCTION		PAGE 10 OF 12		



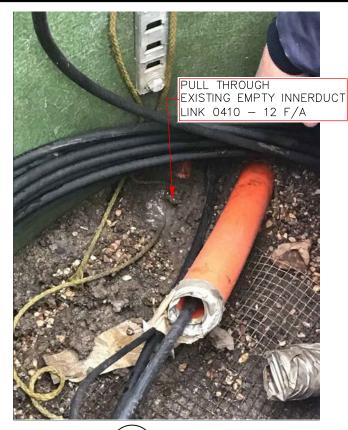




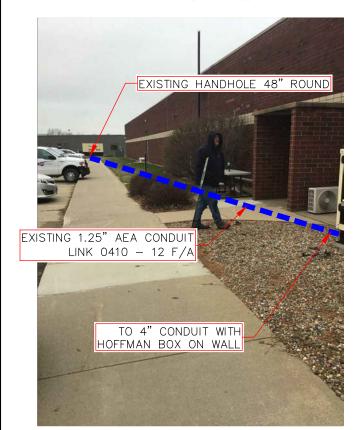
EXISTING HANDHOLE 48" ROUND 11.2 LOOKING EAST STA. 42+35



EXISTING HANDHOLE 48" ROUND 11.3 LOOKING WEST STA. 44+33



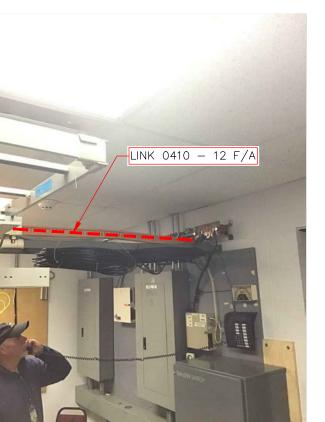
EXISTING HANDHOLE 48" ROUND LOOKING WEST STA. 44+33



EXISTING AEA CONDUIT ROUTE LOOKING SOUTH



EXISTING AEA JUNCTION BOX 11.6 LOOKING WEST STA. 46+82



INDOOR ROUTING 11.7

NORTHWEST IOWA AEA **EXISTING BUILDING ENTRY**

CONSTRUCTION DOCUMENT

DORDT COLLEGE RIBBENS COMPLEX CONNECTION SIOUX CENTER IOWA

PRELIMINARY 04-22-19 2 05-03-19

IOWA COMMUNICATIONS NETWORK
400 EAST 14TH STREET
GRIMES STATE OFFICE BUILDING DES MOINES, IOWA 50319
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OSP PROJECT LOG #: 84190105

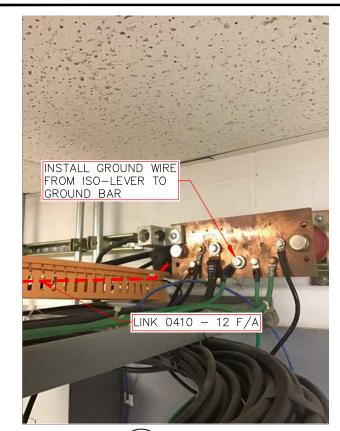
LINK NAME: 0410

SCALE: 1" = 50' SIZE: 11 x 17 CONSTRUCTION

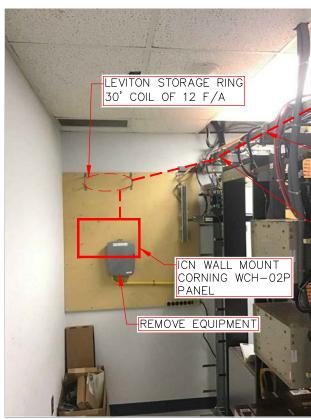
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PAGE 11 OF 12







12.2

INDOOR ROUTING

LINK 0410 - 12 F/A

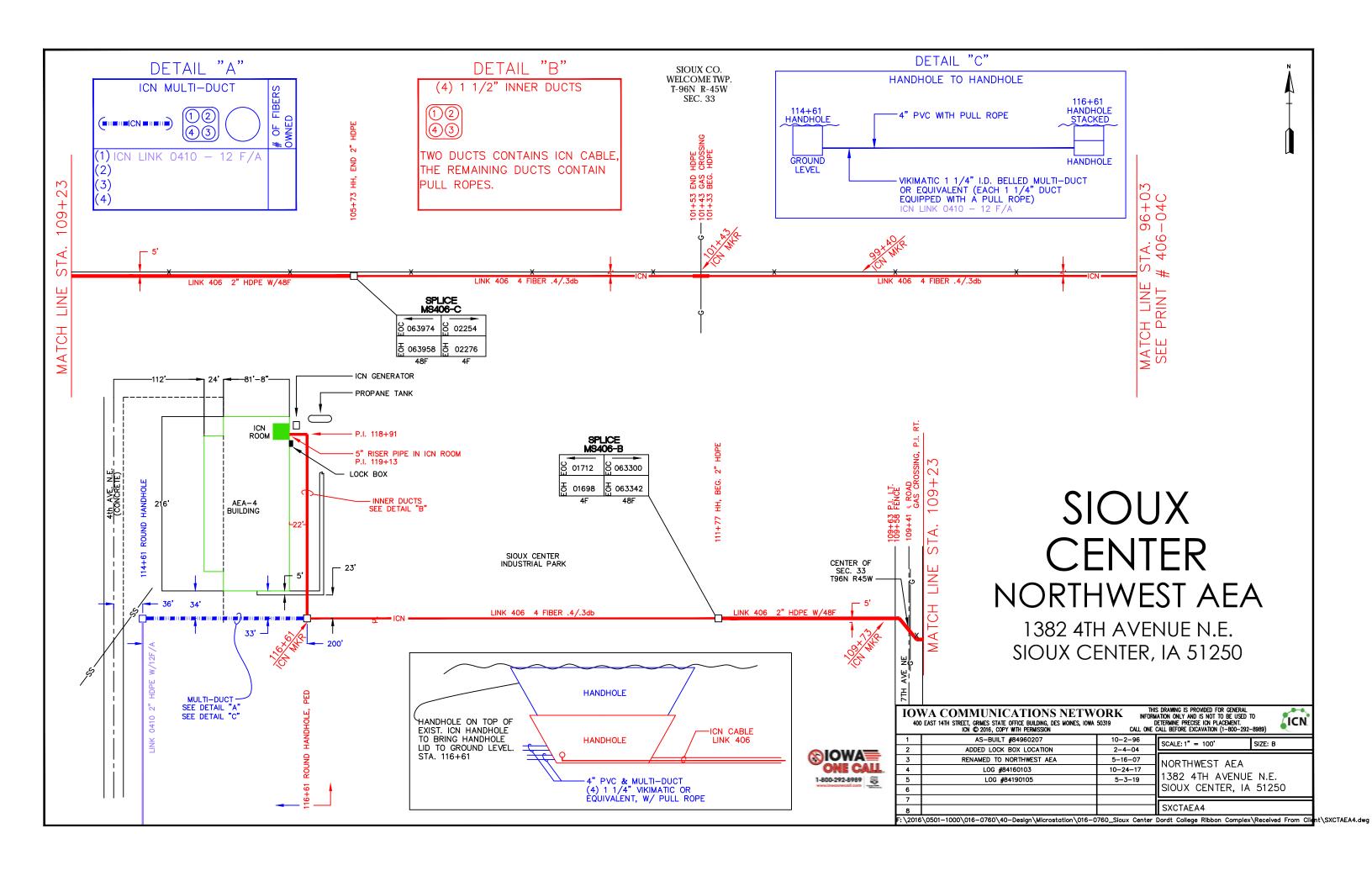
INSTALL TRACER WIRE FROM ARMORED CABLE

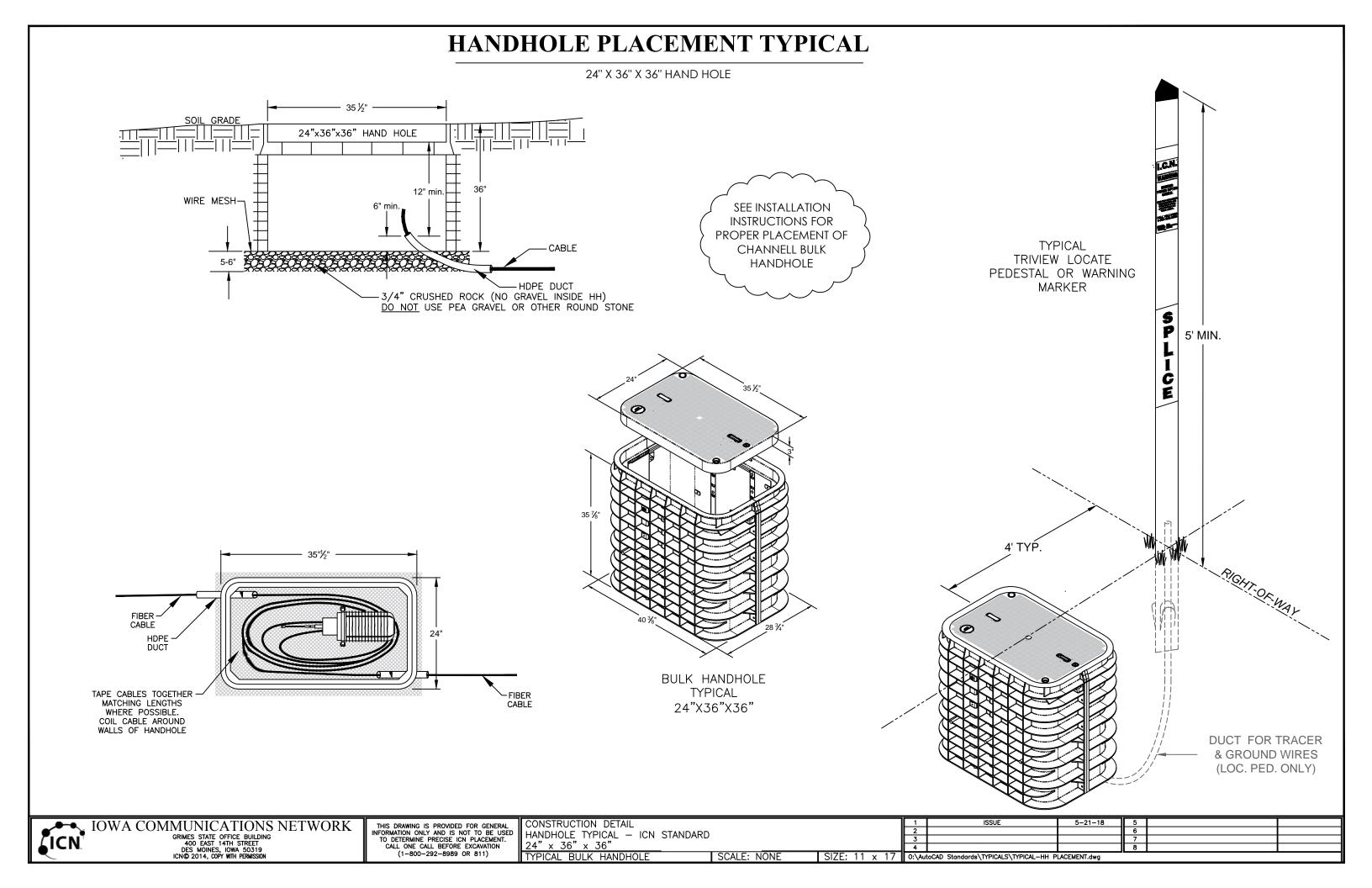
AT FDP LOCATION TO ISO-LEVER

NORTHWEST IOWA AEA **EXISTING BUILDING ENTRY**

CONSTRUCTION DOCUMENT

DORDT COLLEGE RIBBENS COMPLEX CONNECTION ICN. SIOUX CENTER IOWA IOWA COMMUNICATIONS NETWORK
400 EAST 14TH STREET
GRIMES STATE OFFICE BUILDING
DES MOINES, IOWA 50319
ICN © 2019, COPY WITH PERMISSION PRELIMINARY 04-22-19 2 05-03-19 PAGE 12 OF 12 SCALE: 1" = 50' SIZE: 11 x 17 CONSTRUCTION







INSTALLATION INSTRUCTION

Install Channell BULK Vaults

Date: 5/12/15

Installation Considerations

This Installation Instruction provides general information useful for installing the Channell BULK line of below-grade handhole vaults. This guide cannot anticipate all situations that could be encountered in the field and thus represents information applicable to common installation conditions. Please consult local company practice for proper product configuration for each application.

Site Preparation

- 1. Ensure that all local, state, federal, OSHA and company-specific regulations are met prior to beginning and throughout the installation process.
- 2. Plan the excavation approximately 12 to 16 inches in length and width larger than the actual dimensions of the handhole to be installed. (See Figure 1)
- 3. Excavate the hole 6 to 8 inches in depth more than the overall height dimension of the handhole with the cover in place. Tamp the floor of excavated pit using either a hand tamp tool and/or a mechanical tamper. (Remember: if the handhole is to be set in concrete, the polymer ring must be included in this dimension.)
- 4. Place 5 to 6 inches of 3/4" crushed rock over the entire floor. The rock should be free of soil and other organic matter. This important step prevents subsistence of the vault over time, aids in drainage, and provides a solid foundation for the handhole. (See Figure 2)
 - a. As an alternative, a dry mix of cement and crushed rock ina 1:10 ratio may be used to form a higher strength foundation.
 - b. NOTE: Do not use "pea gravel" or other "round stone" for this step.
- 5. a. Place the handhole body into the pit. (See Figure 3)
 - b. Center the handhole body in the excavated pit parallel to the sidewalk and/or curb if applicable.
 - c. Level and adjust the height of the handhole body to grade, as required, by adding more crushed rock.

FOR THE PURPOSE OF THIS ILLUSTRATION, THIS HANDHOLE IS BEING PLACED AT A SITE THAT WILL HAVE A FUTURE SIDEWALK; THEREFORE, THE COMPOSITE RING IS REQUIRED. THE RING IS ONLY REQUIRED AT SITES WHERE THE HANDHOLE IS BEING PLACED IN AND SURROUNDED BY CONCRETE.

- 6. Place the cover on the handhole body to prevent the backfill dirt from entering the inside of the handhole. The cover should be level with the ground. Bolting of the cover is recommend but is not a requirement for this step; however, the cover must always be bolted down prior to departure of the site. (See Figure 4)
- 7. The excess soil removed from the excavated pit shall be used during the backfill of the pit.

 The backfill shall be tamped continuously during the filling process to prevent settling around the sides of the handhole. (See Figure 5)
 - During the filling process of the soil around the handhole, stones that are 3" and larger shall be removed from the soil and not used.
- 8. The final backfill shall be tamped with a slope away from the handhole. All excess backfill material shall be removed from the installation site. (See Figure 6)

Install Channell BULK Vaults

Figure 1





Figure 3





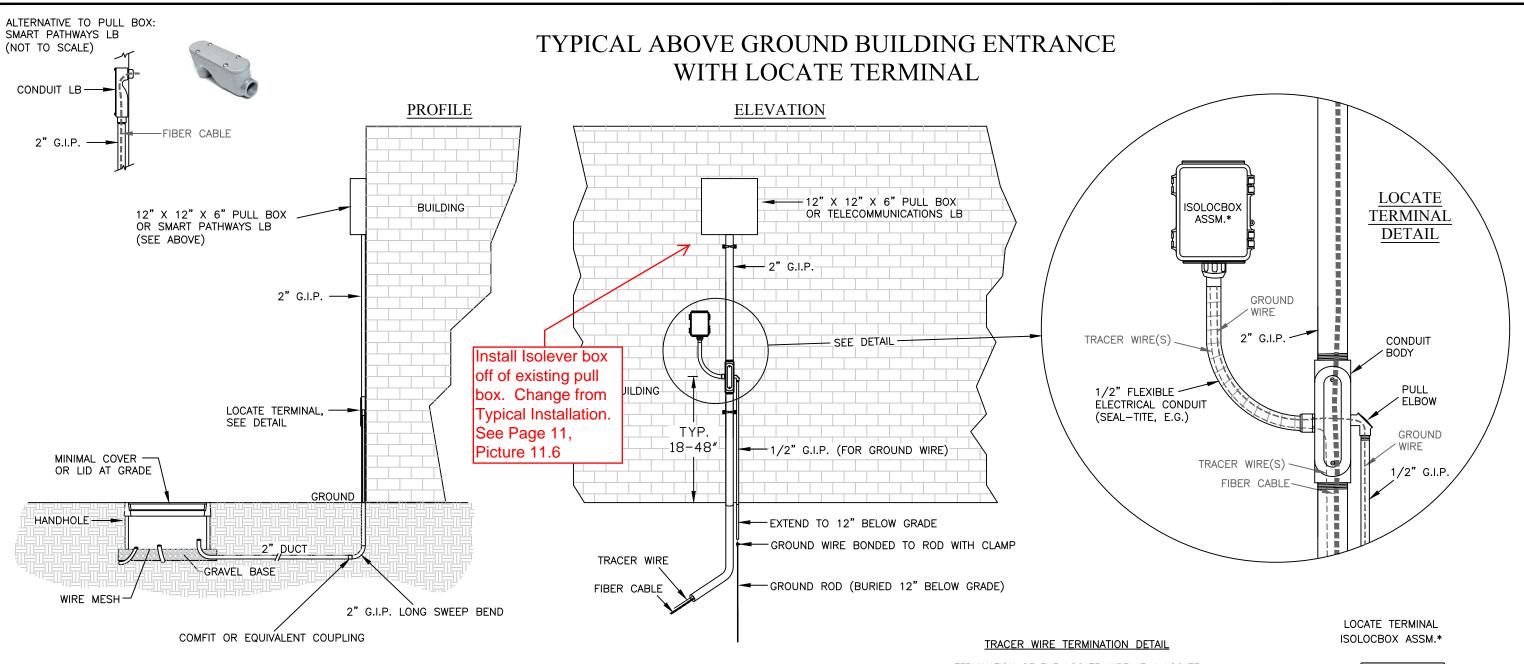


Figure 5



Figure 6



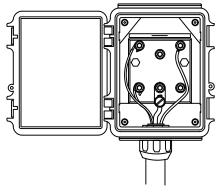


- 1. PLACE 2" G.I.P. WITH SWEEP TOWARDS NEW PULL BOX
- 2. (1) CORE HOLE THROUGH EXTERIOR WALL TO ACCOMMODATE 2" G.I.P.
- 3. PLUG ALL DUCTS WITH JACK MOON OR EQUIVALENT
- 4. BUILDING ENTRANCE SHALL HAVE WATER-TIGHT SEAL
- 5. ANCHOR 2" G.I.P. TO WALL WITH 2-HOLE STRAPS, SPACED NO MORE THAN 5-FEET APART
- 6. ALL COMPONENTS SHALL BE G.I.P. OR DIE CAST ALUMINUM
- 7. EMT AND PLASTIC ARE NOT ALLOWED
- 8. MOUNT LOCATE STATION A MINIMUM OF 18" ABOVE GRADE
- 9. SEAL ANY ACCESS HOLES DRILLED IN THE LOCATE STATION TO ROUTE WIRES WITH SILICONE
- 10. ALL COUPLINGS MUST ALLOW FOR BLOWING OR PULLING WITH NO OBSTRUCTION

TERMINATION OF THE LOCATE WIRE AT A LOCATE PEDESTAL, LOCATE TERMINAL, OR IN A SPLICE CASE SHALL BE MADE IN THE FOLLOWING FASHION:

STRIP OFF A MINIMUM OF 3/4" OF INSULATION. USING A NEEDLE NOSE PLIERS, BEND A WIRE "EYELET" ON THE WIRE END IN A CLOCKWISE MANNER. USE A FLAT WASHER ON BOTH SIDES OF THE WIRE EYELET WHEN CINCHING IT DOWN ON THE STUD. FLAT WASHERS SHALL BE OF APPROPRIATE SIZE SUCH THAT THE HOLE MATCHES THE DIAMETER OF THE STUD AND THE OUTSIDE OF DIAMETER OF THE FLAT WASHER MATCHES REASONBLY CLOSE TO THE EYELET DIAMETER.





*NOTE: ISOLOCBOX ASSEMBLY INCLUDES: BOX, ISOLEVER, PVC STAND-OFF, AND 1-FT OF FLEXIBLE CONDUIT WITH CONNECTORS



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ABOVE GROUND BUILDING ENTRANCE WITH LOCATE TERMINAL

TYPICAL | SCALE: NONE

SIZE: 11 x 17 0:\AutoCAD Standards\TYPICALS\ITYPBLDGENTRABOVE.dwg