Iowa Communciations Network OSP Post-Construction Punch List

Project Name:
OSP Log # and/or RFS #:
Requested by: Augspurger
Request Date:
Completed by:
Completion Date:
Contractor:
Contractor Contact/#

PROJECT LOCATION

County: Adair
Township/Range/Section:
City or Nearest City:
Distance to City:
Street/Highway or Address:
Nearest Cross Street:

Installation / Items	Acceptable Y/N or NA	Locations of Issue (use station #)	Comment: (provide labeled pictures of any issues)
Bore Pits, Trenches, and Excavations:			
Backfilled:			
Soil restored:			
Sufficiently Tamped (no settling):			
Equipment damage to lawn restored:			
Conduit installed at proper depths:			
Concrete resotred:			
Located within ROW:			
Warning Markers Placed (5' height in DOT ROW):			
Trash & Debris Removed:			
Handhole Installation:			
Handholes set level to grade:			
If buried; depth:			
Crushed rock base for handholes:			
Wire mesh on top of rock:			
Conduits: Minimum of 6" above rock:			
Conduits plugged:			
Pull rope in conduit:			
Locate wire conduit plugged:			
Cables properly coiled (not protruding into lid):			
Backfilled and Compacted:			
Sufficiently Tamped (no settling):			
Marker/TriView set with 5' height in DOT ROW:			
ICN placard installed in lid			
ICN cable tags on cable.			

Installation / Items	Acceptable Y/N or NA	Locations of Issue (use station #)	Comment: (provide labeled pictures of any issues)
Cable Installation:			
Coils/Meter marks verified against redlines.			
Any cable damage:			
Bend radius' maintained:			
ICN cable tags on cable.			
Slack loops installed per SOW.			
Locate Facilities:			
TriView ☐ SIP ☐ Hideout ☐ Tii ☐ Other ☐			
Ground rod installed in Handhole:			
#6 Bare Copper bonded to rod with Ground Clamp:			
#10 or #12 Tracer Wire bonded **within** splice enclosure:			
All wires bonded at pedestal:			
Directions Labeled:			
Cable(s) locate appropriately:			
Locate materials per ICN standards.			
Building Entrance/Terminations: (if two sites note location)			
Exterior Conduit secured:			
Penetrations Sealed:			
Locate pedestal installed if required:			
Armored cable: #10 ground extended to ground bar:			
#10 grounded properly (lug):			
Fiber Panel: Installed level:			
Bulk Head Installed.			
Panel Labeled			
Fibers Spliced and Stored Properly			
Cable Routed Correctly (on outside of ladder rack)			

Comments:

INSTALLATION INSTRUCTION

CHANNELL

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)**

Figure 1

Figure 2

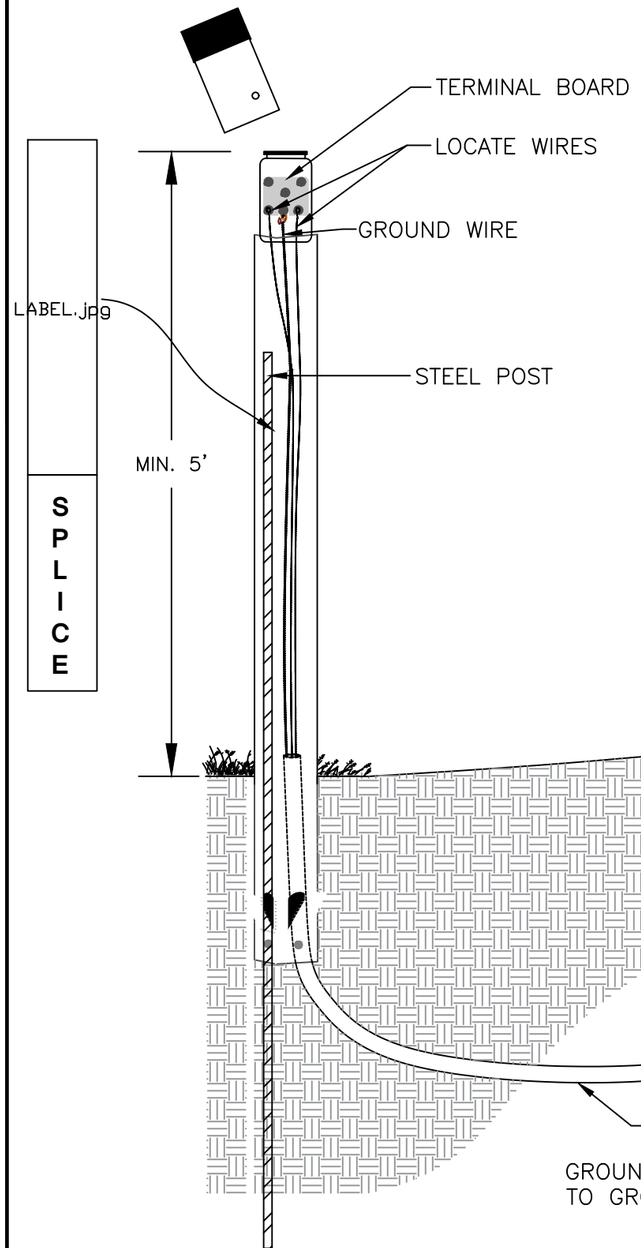
Figure 3

Figure 4

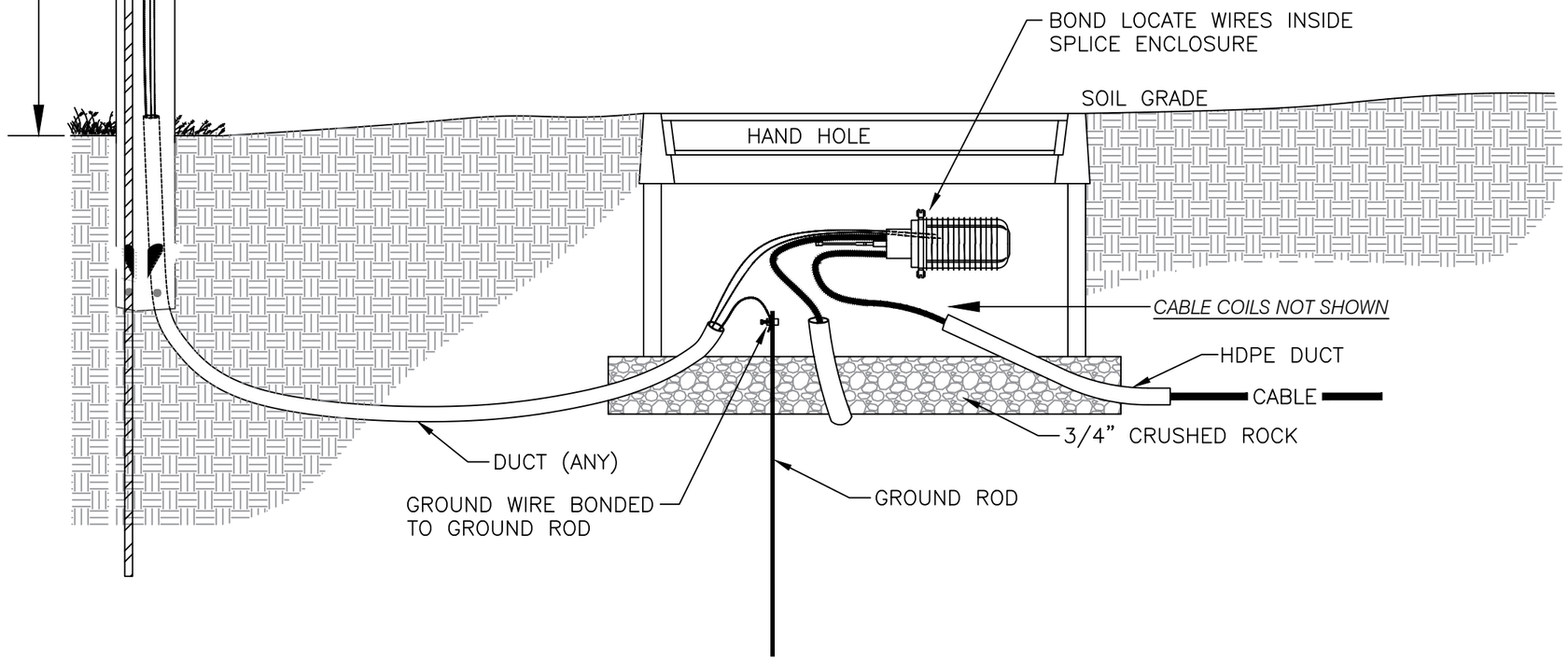
Figure 5

Figure 6

TYPICAL INSTALLATION OF TRI-VIEW LOCATE PEDESTAL



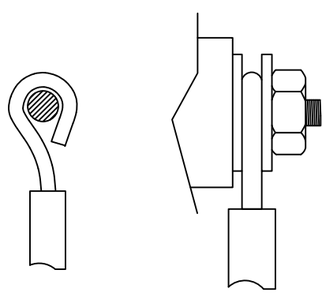
NOTES:
-LOCATE (TRACER) WIRE: #10 or #12 AWG SOLID COPPER WIRE
-GROUND WIRE: #6 OR #8 AWG SOLID BARE COPPER WIRE
-ONE LOCATE WIRE PER FIBER CABLE AT SPLICE ENCLOSURE
-LOCATE WIRE(S) TO BE BONDED INSIDE SPLICE ENCLOSURE WITH 3M SCOTCHLOK SHIELD BONDING KIT
-LOCATE WIRE(S) TO BE ROUTED OUTSIDE OF SPLICE ENCLOSURE WITH FOSC CLOSURE SEALING KIT
-LOCATE WIRE(S) TO BE ROUTED VIA DUCT TO LOCATE PEDESTAL AND TERMINATED AT TERMINAL BOARD
-GROUND LOCATE PEDESTAL TO GROUND ROD WITH SOLID BARE COPPER WIRE AND GROUND CLAMP
-SECURE LOCATE PEDESTAL BY PLACING OVER STEEL POST
-SET PEDESTAL AT OR NEAR RIGHT-OF-WAY, IF POSSIBLE
-MINIMUM HEIGHT OF INSTALLED PEDESTAL MUST BE 5 FEET



TRACER WIRE TERMINATION DETAIL

Termination of the locate wire at either a pedestal, puck, or in a splice case shall be made in the following fashion:

Strip off a minimum of ¾" 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 diameter of the flat washer matches reasonably close to the eyelet diameter.



IOWA COMMUNICATIONS NETWORK
GRIMES STATE OFFICE BUILDING
400 EAST 14TH STREET
DES MOINES, IOWA 50319

THIS DRAWING IS PROVIDED FOR GENERAL INFORMATION ONLY AND IS NOT TO BE USED TO DETERMINE PRECISE ICN PLACEMENT. CALL ONE CALL BEFORE EXCAVATION (1-800-292-8989 OR 811)

CONSTRUCTION DETAIL
LOCATE PEDESTAL TYPICAL
TRI-VIEW W/ISO LEVER

TYPICAL LOCATE PEDESTAL | SCALE: NONE | SIZE: 11 x 17

1	FOR CONSTRUCTION	11-3-14	5	REVISION	5-19-17
2	UPDATE	3-13-15	6		
3	REVISION	8-21-15	7		
4	REVISION	9-4-15	8		

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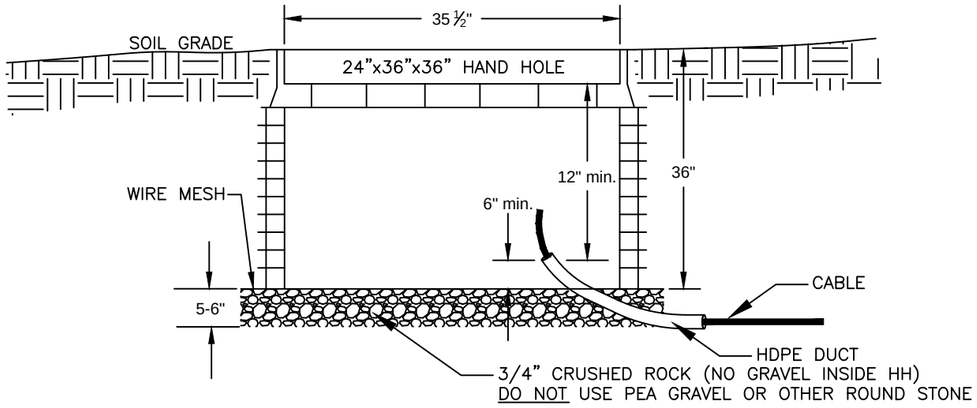
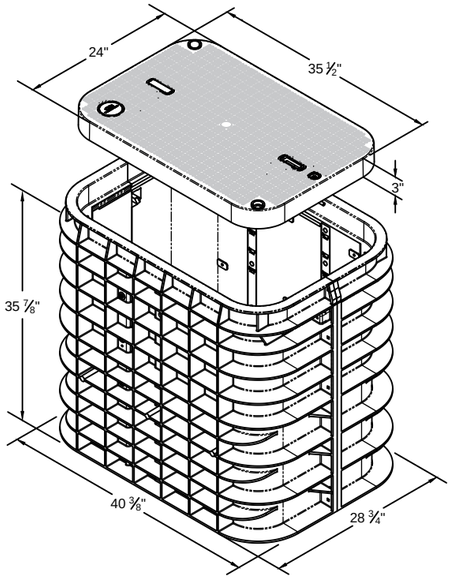
HANDHOLE PLACEMENT TYPICAL

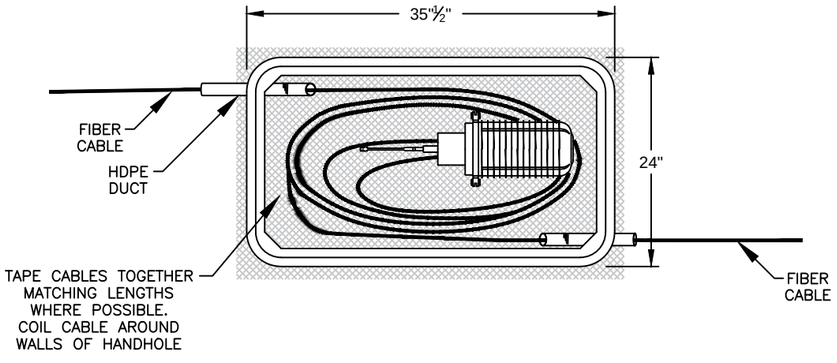
24" X 36" X 36" HAND HOLE



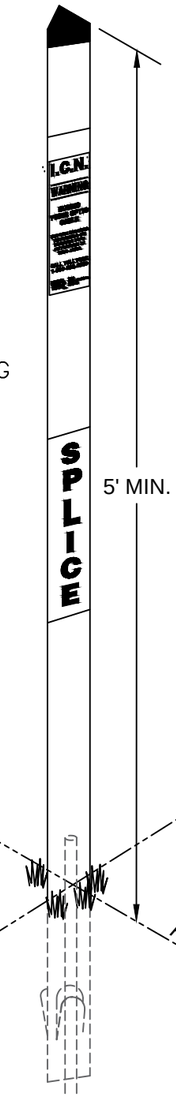
SEE INSTALLATION INSTRUCTIONS FOR PROPER PLACEMENT OF CHANNELL BULK HANDHOLE

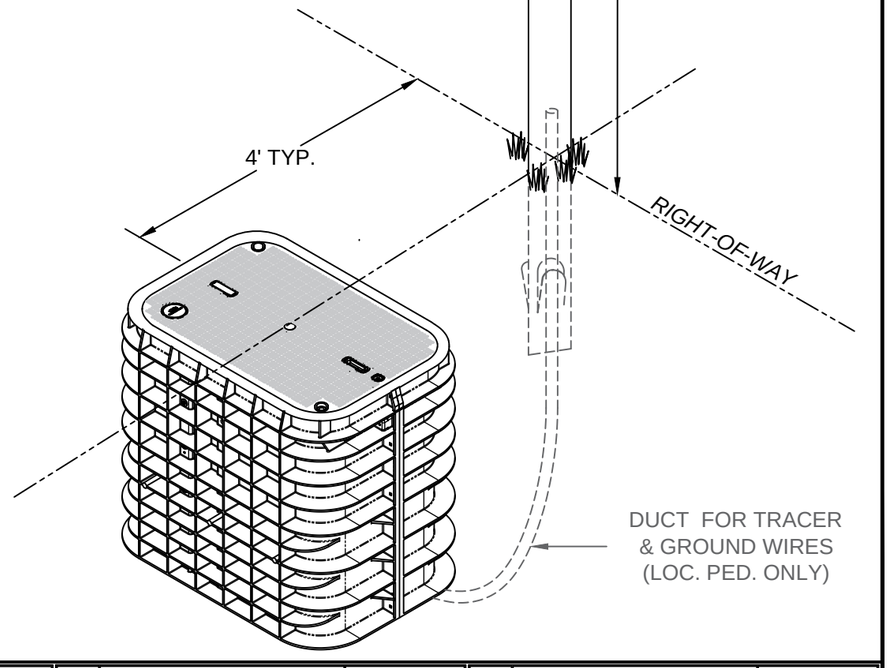


BULK HANDHOLE
TYPICAL
24"X36"X36"



TYPICAL
TRIVIEW LOCATE
PEDESTAL OR WARNING
MARKER





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CONSTRUCTION DETAIL
HANDHOLE TYPICAL – ICN STANDARD
24" x 36" x 36"

TYPICAL BULK HANDHOLE | SCALE: NONE | SIZE: 11 x 17

1	ISSUE	5-21-18	5		
2			6		
3			7		
4			8		

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