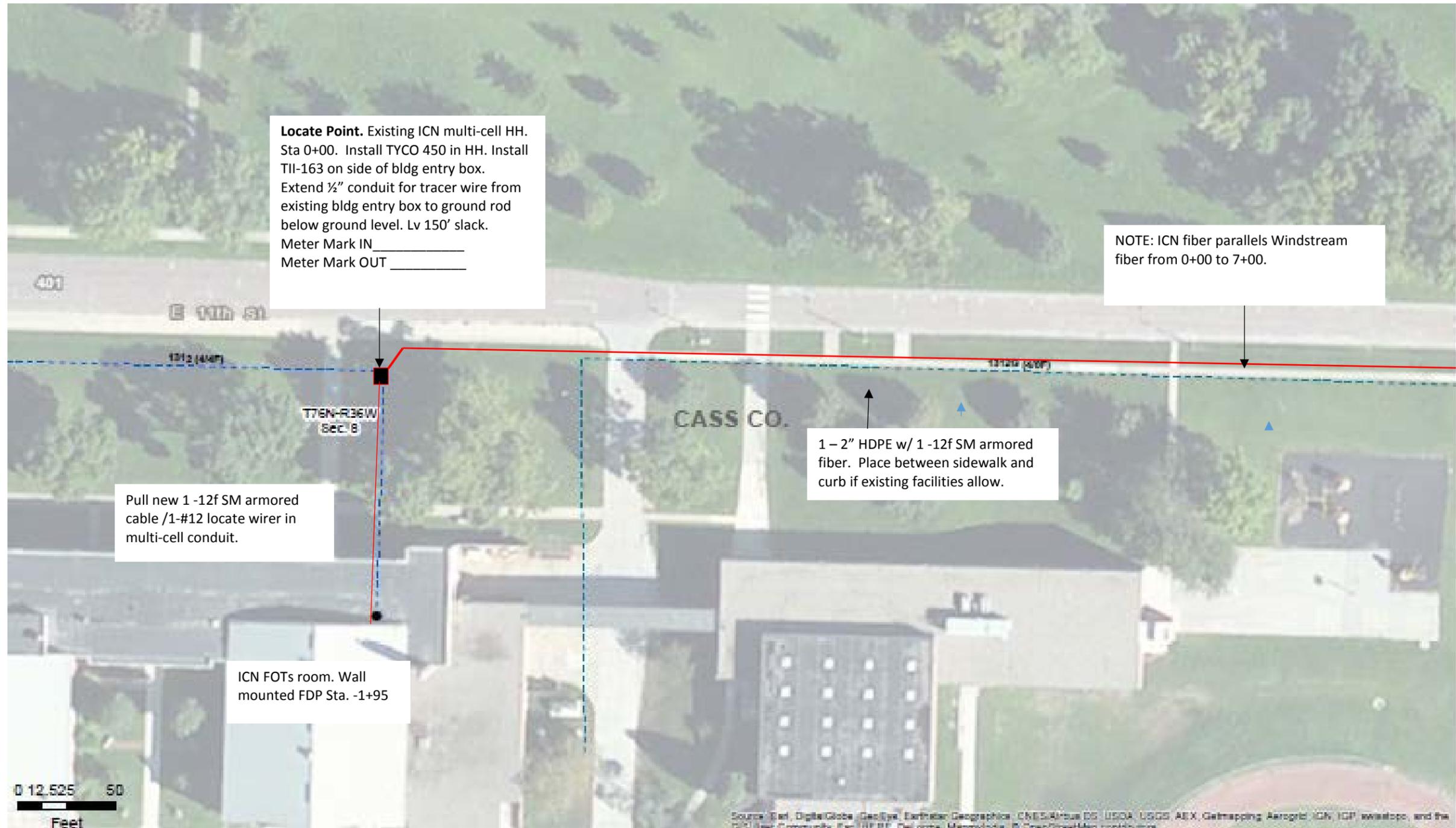


## Route Overview

1	Initial Drawing	05-04-16	5	
2			6	
3			7	
4			8	
				Template 10-2-15
				Page 1 of 14



1	Initial Drawing	05-04-16	5	
2			6	
3			7	
4			8	
				Template 10-2-15
				Page 2 of 14



1	Initial Drawing	05-04-16	5	
2			6	
3			7	
4			8	
				Template 10-2-15
SIZE: 11 x 17				Page 3 of 14



New ICN HH 24x36x30  
 11+08. 1- 12f SM armored w/ 150' slack.  
 Meter Mark IN \_\_\_\_\_  
 Meter mark OUT \_\_\_\_\_

ICN 2" HDPE w/ 1- 12f SM Armored.




**IOWA COMMUNICATIONS NETWORK**  
 STATE OFFICE BUILDING 400  
 EAST 14TH STREET  
 DES MOINES, IOWA 50319  
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**Project Name: Cass County Memorial Hospital**  
**Address: 1510 E. 10<sup>th</sup> Street- Atlantic, IA**  
**OSP number: 15160105**

1	Initial Drawing	05-04-16	5	
2			6	
3			7	
4			8	
				Template 10-2-15
SIZE: 11 x 17				Page 4 of 14

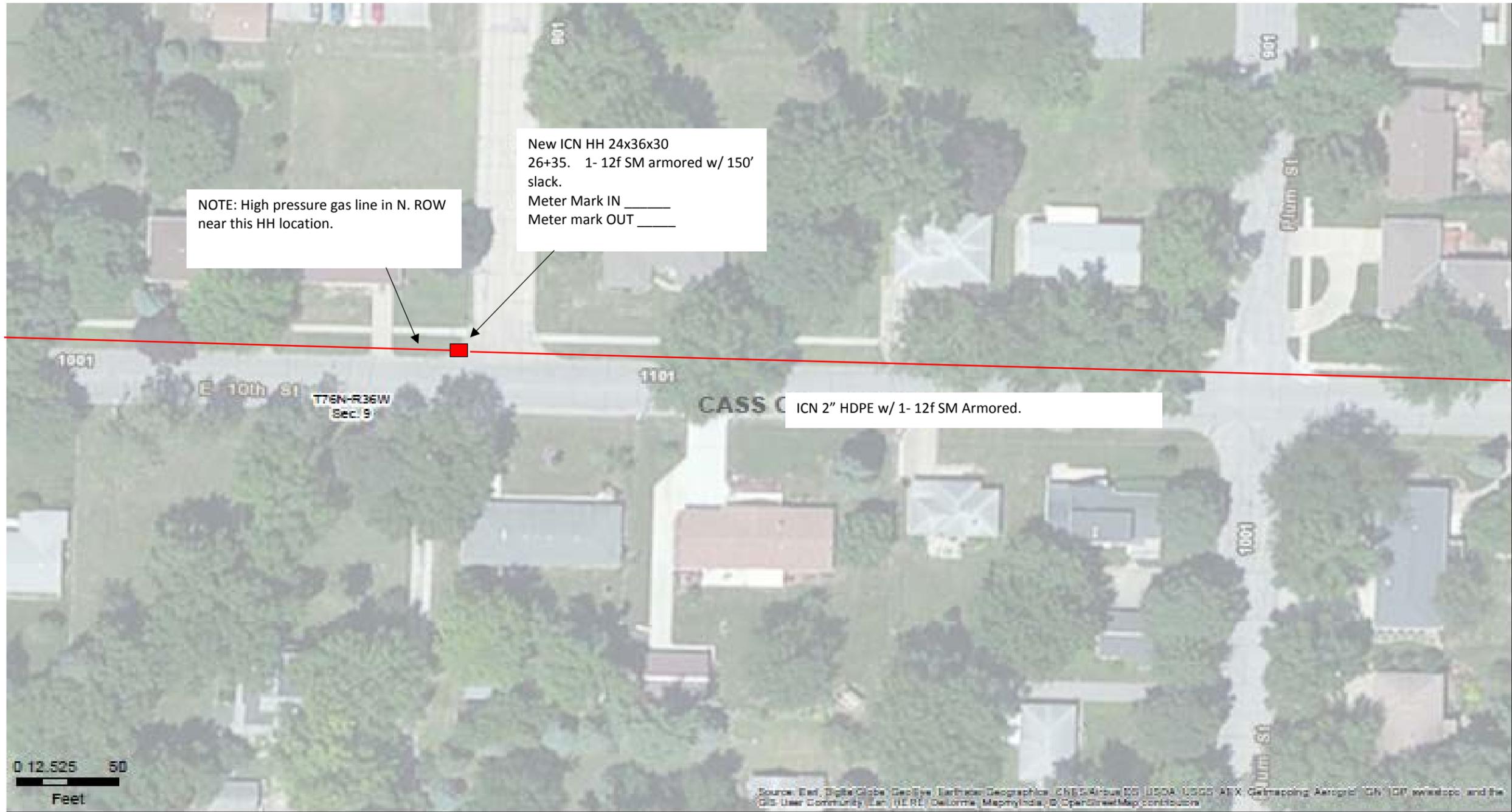



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2			6	
3			7	
4			8	
				Template 10-2-15
SIZE: 11 x 17				Page 5 of 14



NOTE: High pressure gas line in N. ROW near this HH location.

New ICN HH 24x36x30  
 26+35. 1- 12f SM armored w/ 150' slack.  
 Meter Mark IN \_\_\_\_\_  
 Meter mark OUT \_\_\_\_\_

ICN 2" HDPE w/ 1- 12f SM Armored.



0 12.525 50  
 Feet

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus/IGP, USDA, USGS, AeroGRID, IGN, IGP, swisstopo, and the GIS User Community, Lin (HERE), DeLorme, MapmyIndia, © OpenStreetMap contributors



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2			6		
3			7		
4			8		
					Template 10-2-15
SIZE: 11 x 17					Page 6 of 14

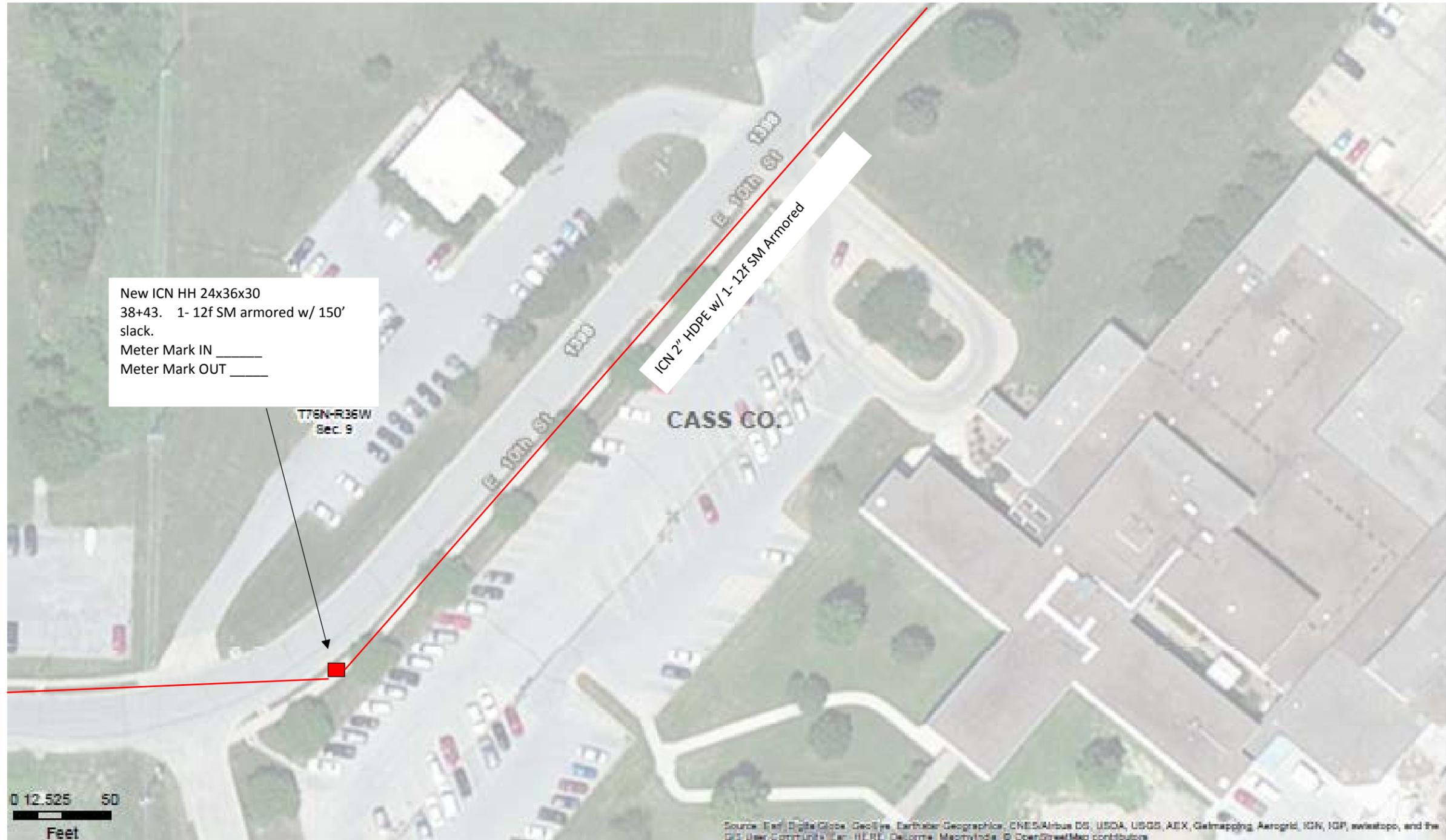



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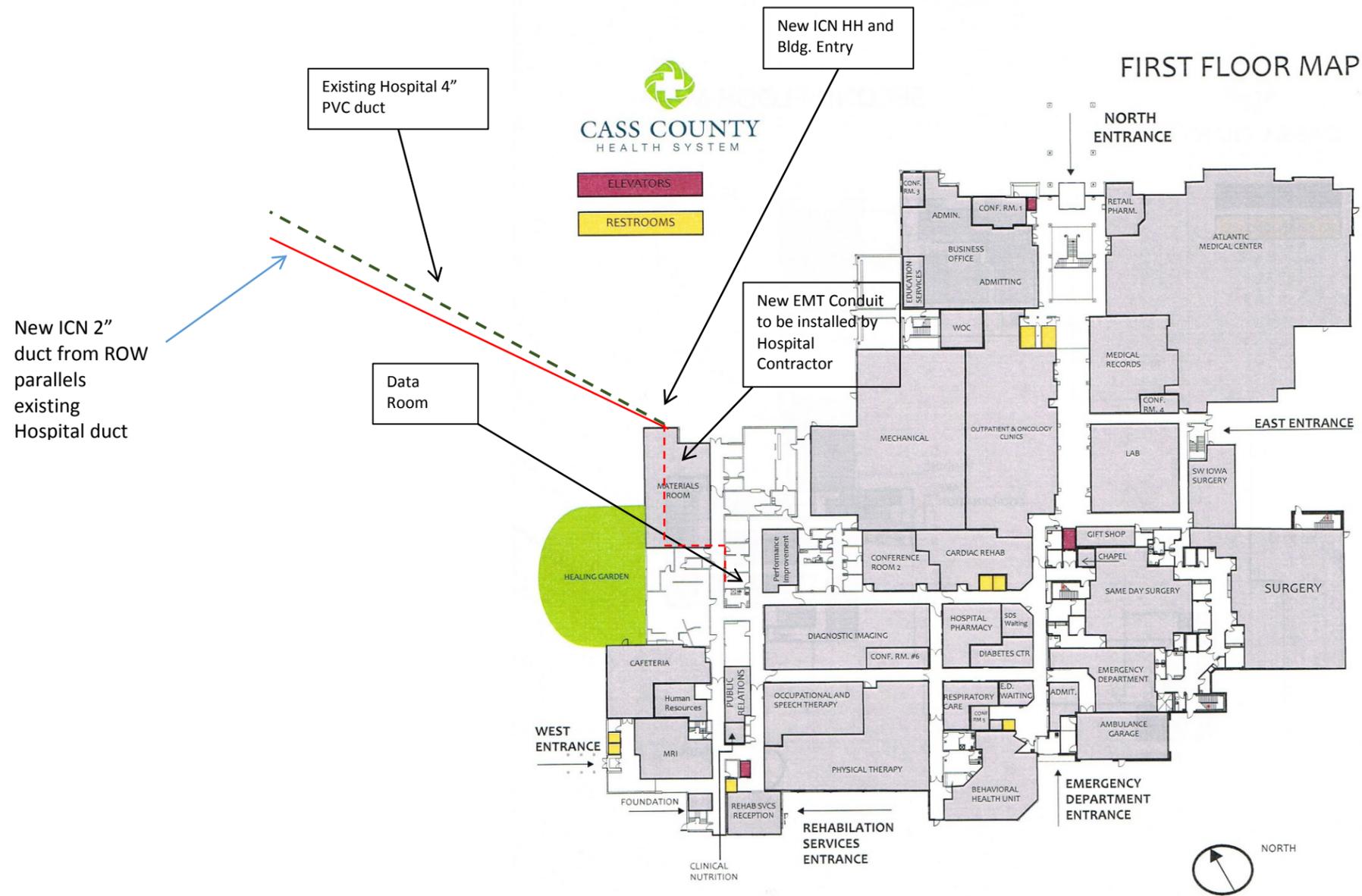
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3			7	
4			8	
				Template 10-2-15
SIZE: 11 x 17				Page 7 of 14



1	Initial Drawing	05-04-16	5	
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3			7	
4			8	
				Template 10-2-15
				Page 8 of 14







EFFECTIVE AUGUST 20, 2014

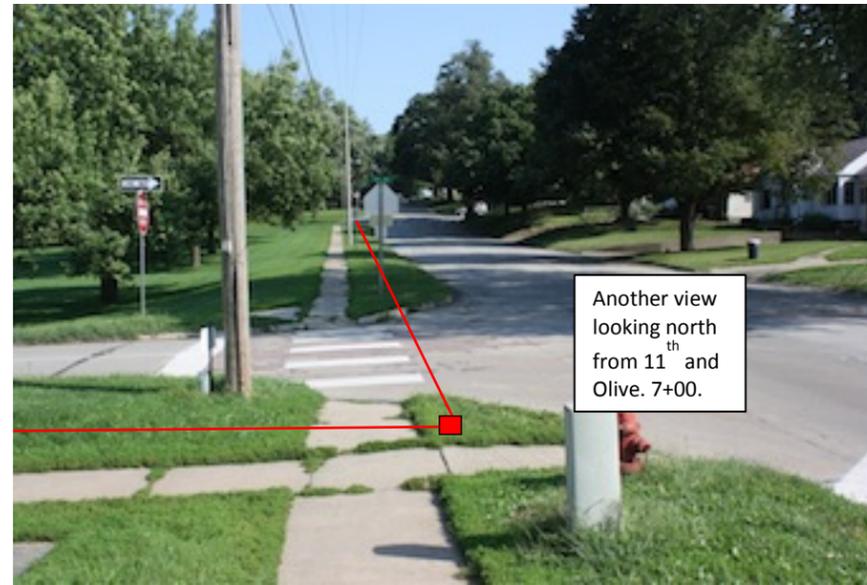
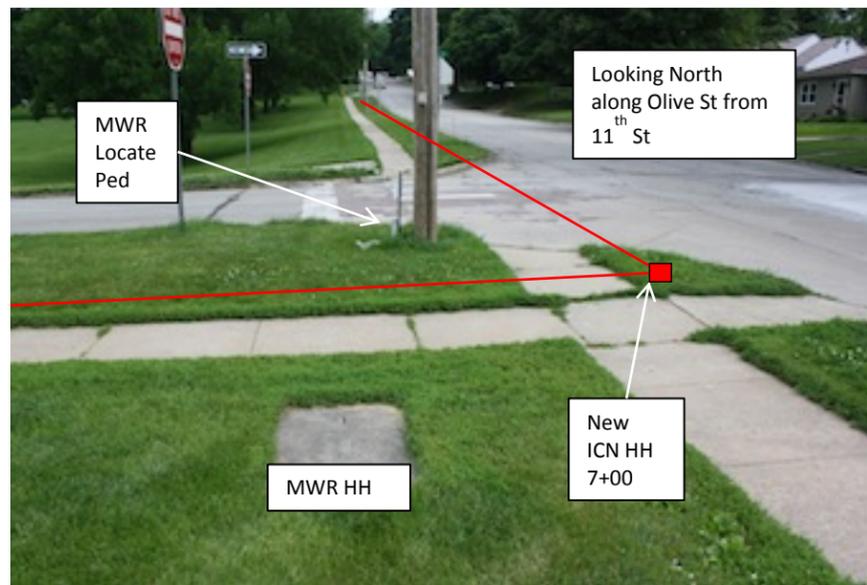
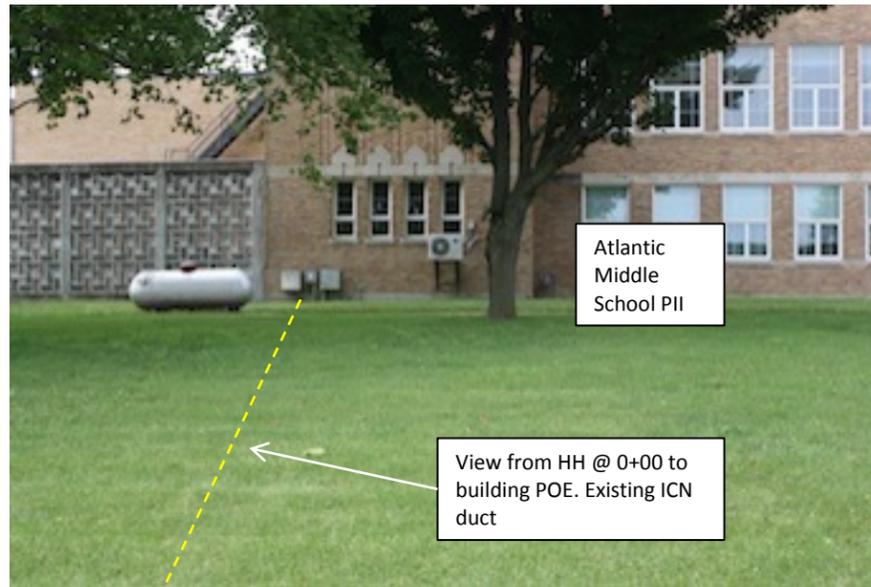


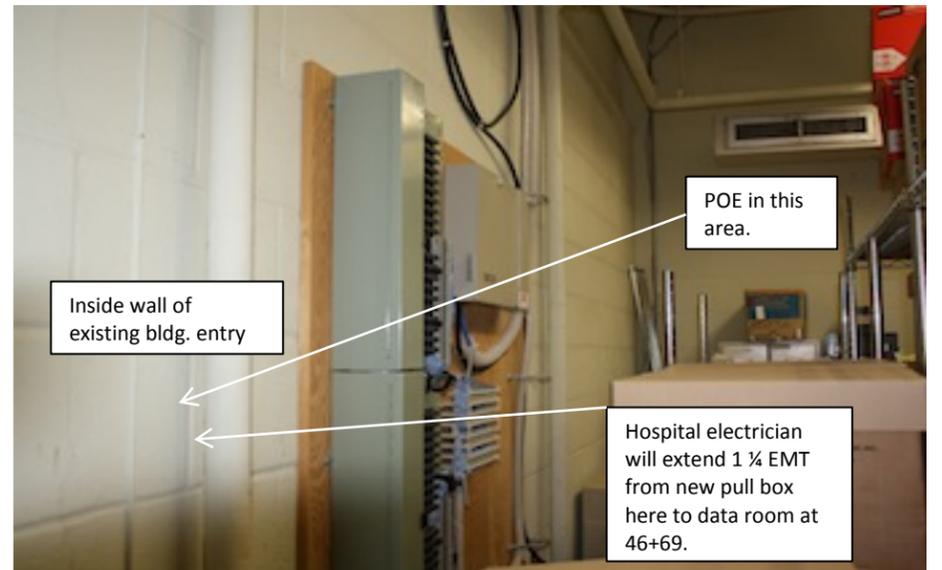
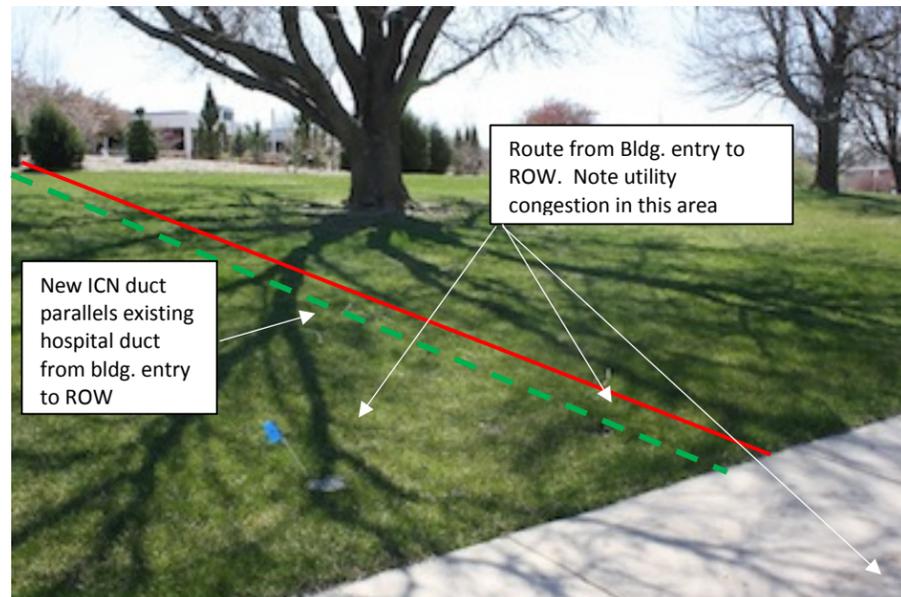
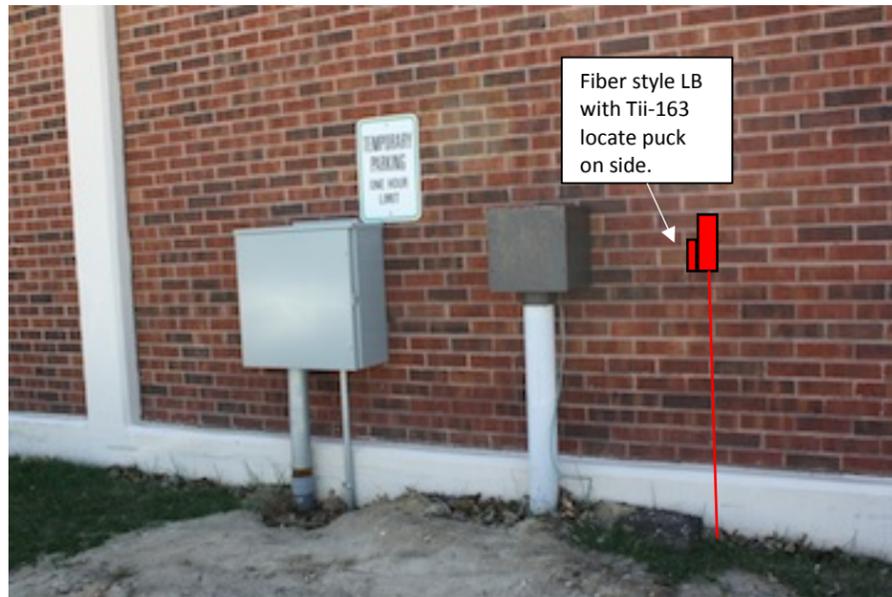
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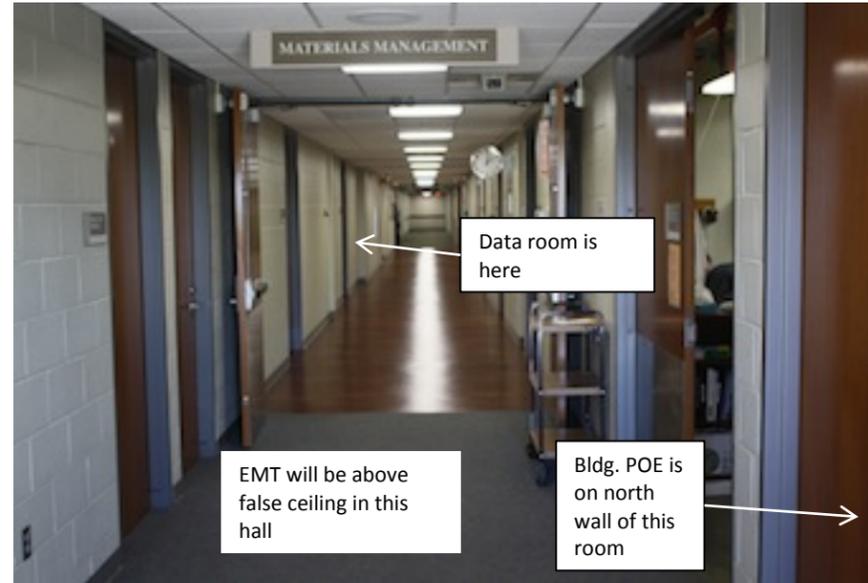
**Project Name: Cass County Memorial Hospital**  
**Address: 1510 E. 10<sup>th</sup> Street- Atlantic, IA**  
**OSP number: 15160105**

1	Initial Drawing	05-04-16	5	
2			6	
3			7	
4			8	
				Template 10-2-15
SIZE: 11 x 17				Page 11 of 14





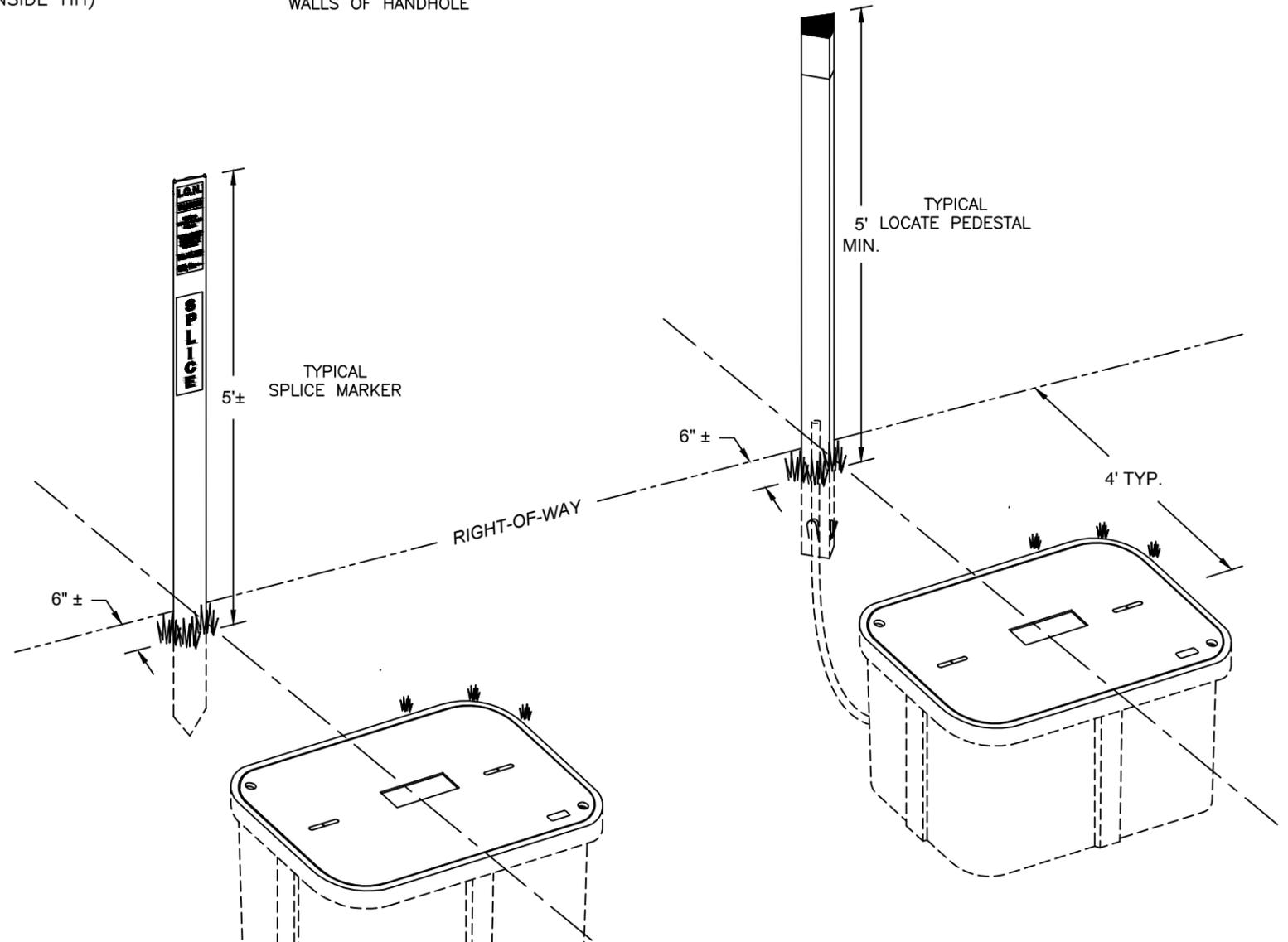
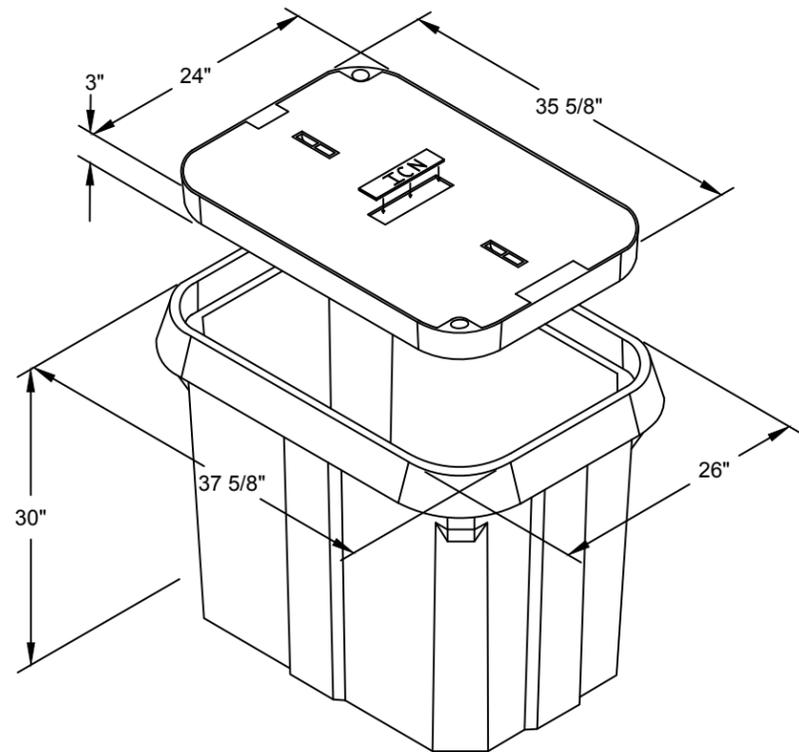
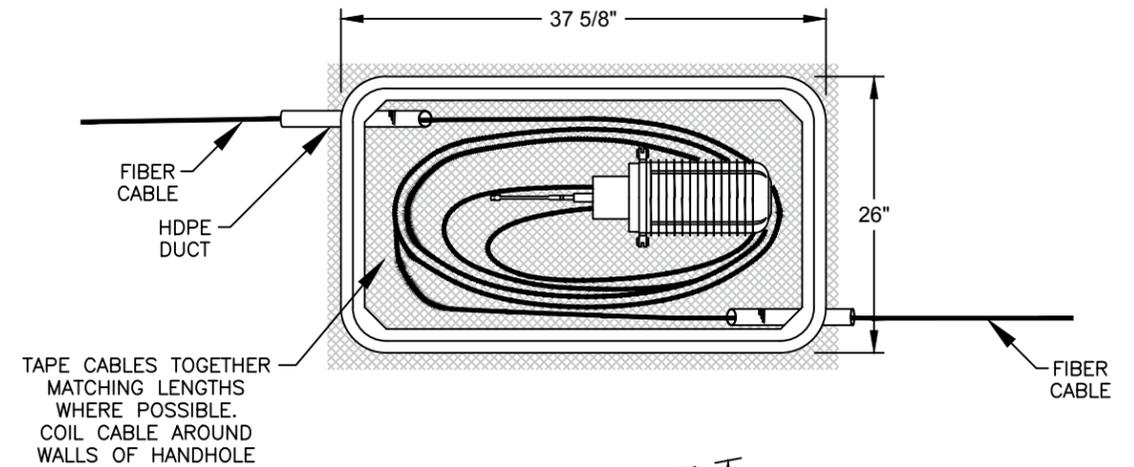
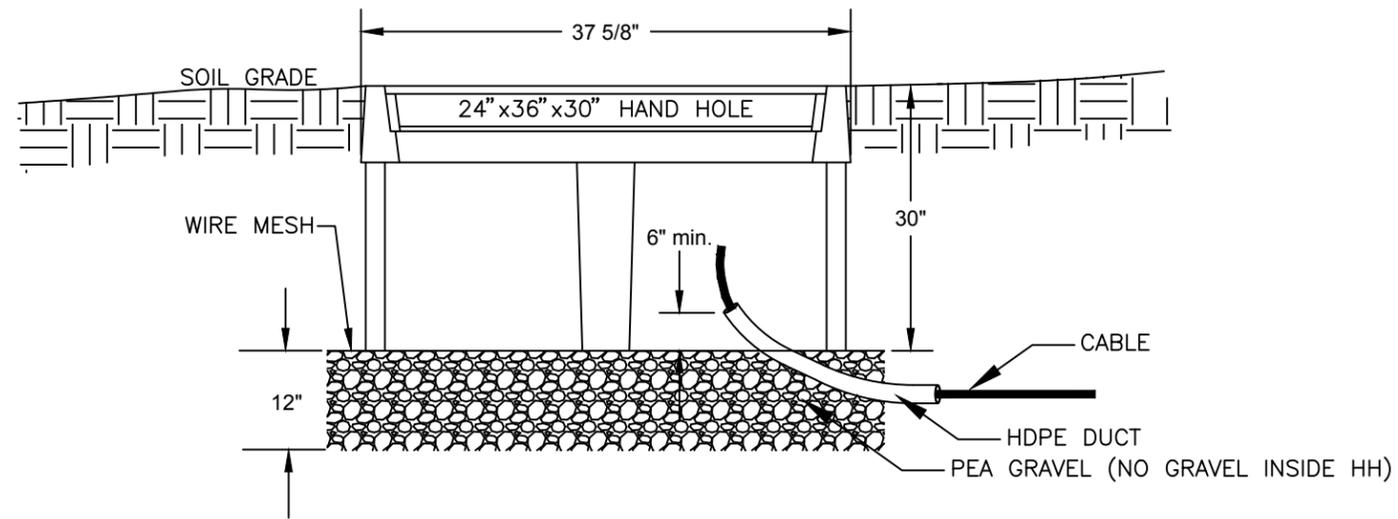
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		<b>Address: 1510 E. 10<sup>th</sup> Street- Atlantic, IA</b>		2				6			
		<b>OSP number: 15160105</b>		3					7		
				4					8		Template 10-2-15
			SIZE: 11 x 17							Page 13 of 14	



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		<b>Address: 1510 E. 10<sup>th</sup> Street- Atlantic, IA</b>		2			6		
		<b>OSP number: 15160105</b>		3			7		
				4			8		
				SIZE: 11 x 17				Template 10-2-15 Page 14 of 14	

# HANDHOLE PLACEMENT TYPICAL

24" X 36" X 30" NEW BASIS HAND HOLE



IOWA COMMUNICATIONS NETWORK

GRIMES STATE OFFICE BUILDING  
400 EAST 14TH STREET  
DES MOINES, IOWA 50319  
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CONSTRUCTION DETAIL  
HANDHOLE TYPICAL - NEW BASIS PC243630SN20  
24" x 36" x 30"

TYPICAL HANDHOLE

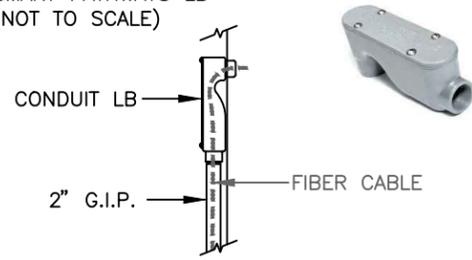
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SIZE: 11 x 17

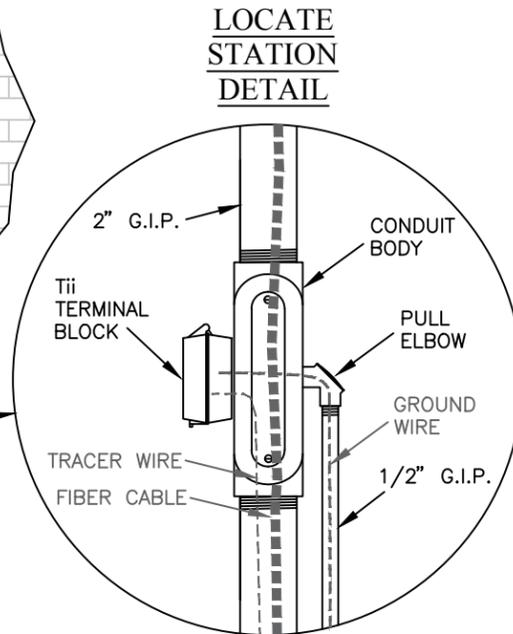
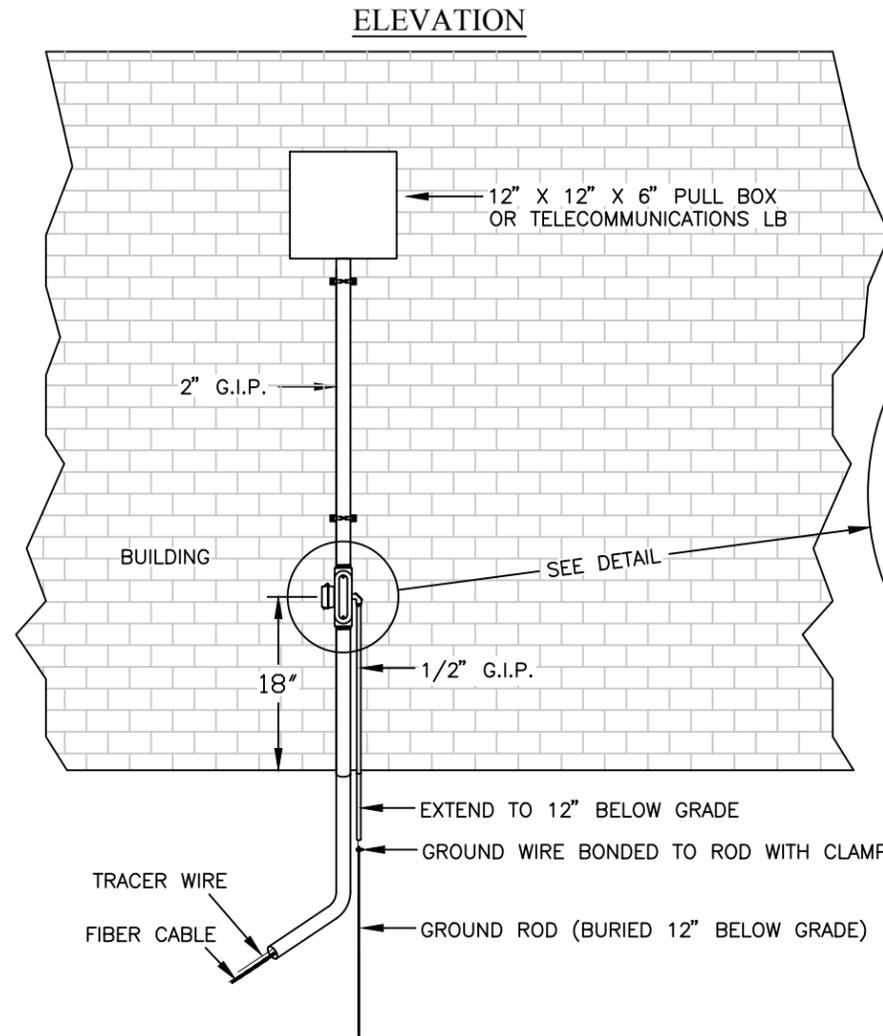
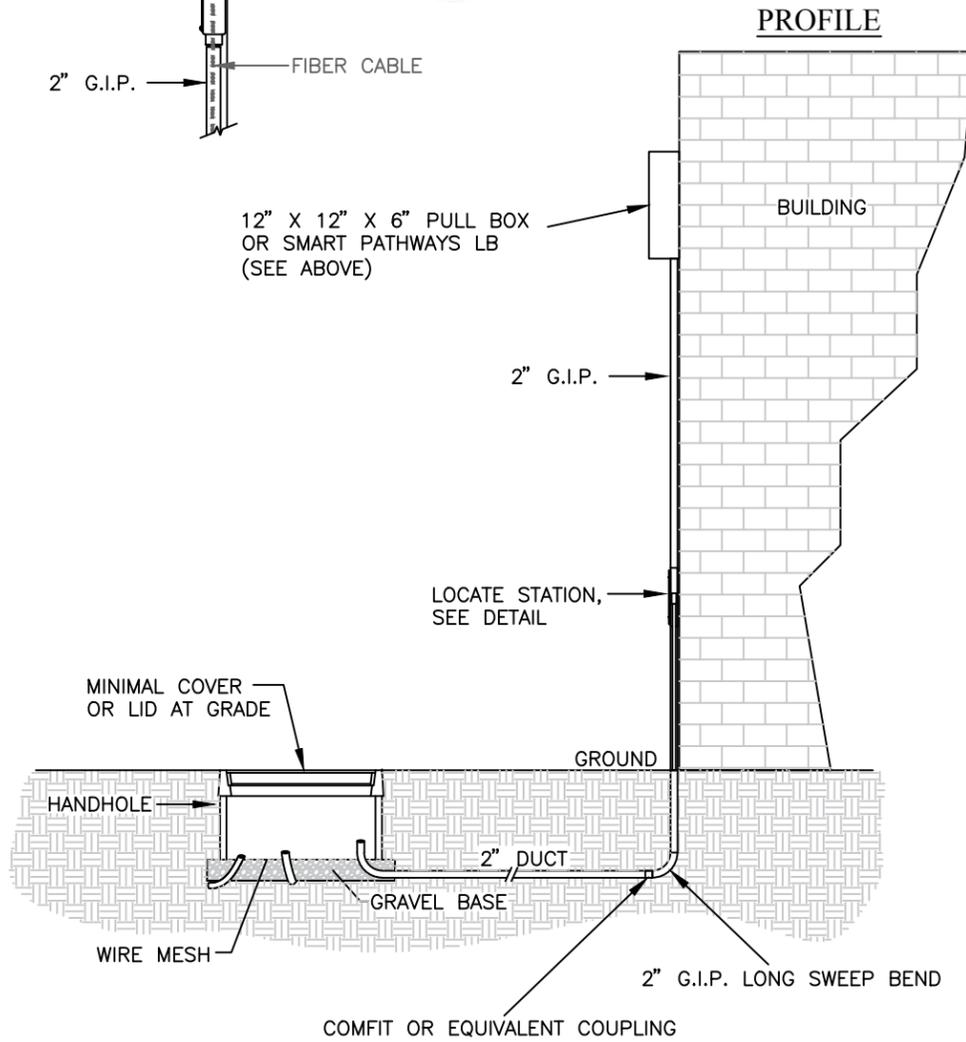
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2	REVISION	7-16-14	6
3	REVISION	11-10-14	7
4	REVISION	8-21-15	8

O:\AutoCAD Standards\TYPICALS\TYPICAL-HH PLACEMENT.dwg

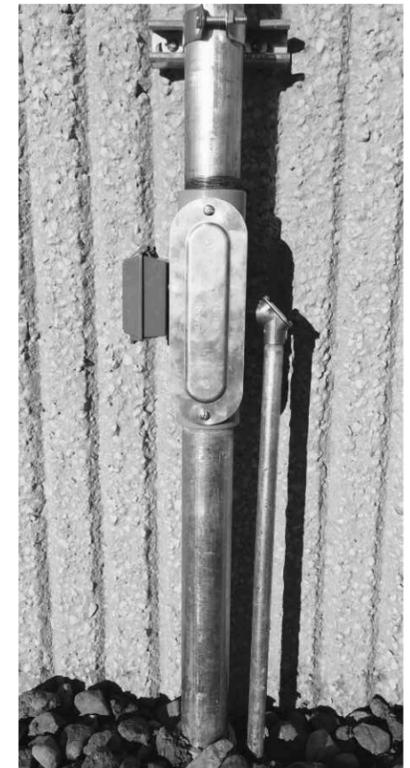
ALTERNATIVE TO PULL BOX:  
SMART PATHWAYS LB  
(NOT TO SCALE)



## TYPICAL ABOVE GROUND BUILDING ENTRANCE WITH LOCATE STATION



### EXAMPLE



#### NOTES:

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

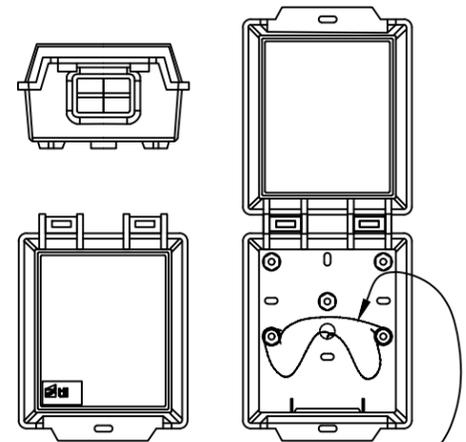
#### TRACER WIRE TERMINATION DETAIL

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 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 REASONABLY CLOSE TO THE EYELET DIAMETER.



#### tii 163-06 TERMINAL BLOCK



BOND ACROSS STUDS

1	DOCUMENT CREATED	11-28-12	5
2	REVISION	12-30-15	6
3			7
4			8