

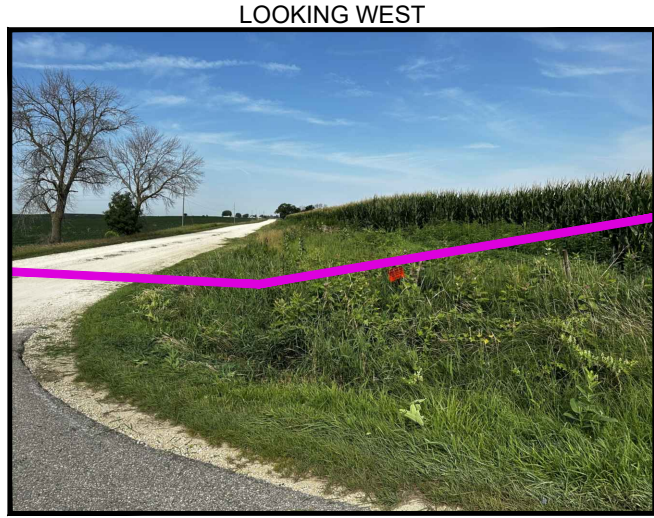
SEE CROSS SECTIONS
DOT 1747+00 TO 1475+50
LABELED FC, FD, FE, AND FF
ON SHEETS 90 AND 91

DELAWARE COUNTY
HONEY CREEK TOWNSHIP
T-90N R-5W

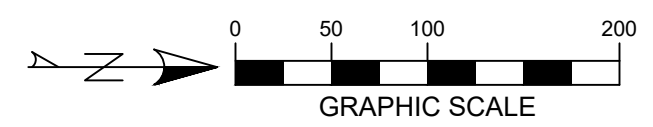
- ① NEW LINK 0106 12 F/A DIRECT BURIED VIA PLOW. CONTRACTOR MAY CONVENIENCE BORE AT COST OF PLOW. 36" MINIMUM BELOW GRADE OR PER CROSS SECTION CALL OUT FOR SPECIFIC DEPTHS.
- ② PULL NEW LINK 0106 12 F/A THROUGH NEW 1 1/4" HDPE CONDUIT VIA BORE. 36" MINIMUM BELOW GRADE OR PER CROSS SECTION CALL OUT FOR SPECIFIC DEPTHS.
- ③ EXISTING ICN LINK 0106-8fA. PROTECT IN PLACE.
- ④ OTHER UTILITY PROVIDERS IN AREA. STAY 36" CLEAR FROM ALL EXISTING UTILITIES.
- ⑤ INSTALL MARKER POST AT EACH HANDOLE LOCATION, EVERY 1,500', OR ON EITHER SIDE OF ROAD CROSSING AT ROW. SEE PROPOSED LOCATIONS "ICN MKR".



ICN STA. 425+00



ICN STA. 425+25



LISTING OF HANDHOLES				
HANDHOLE	STATION	HANDHOLE	STATION	LENGTH FT
HH6	314+10	HH7	467+37	15327
TOTAL				15327

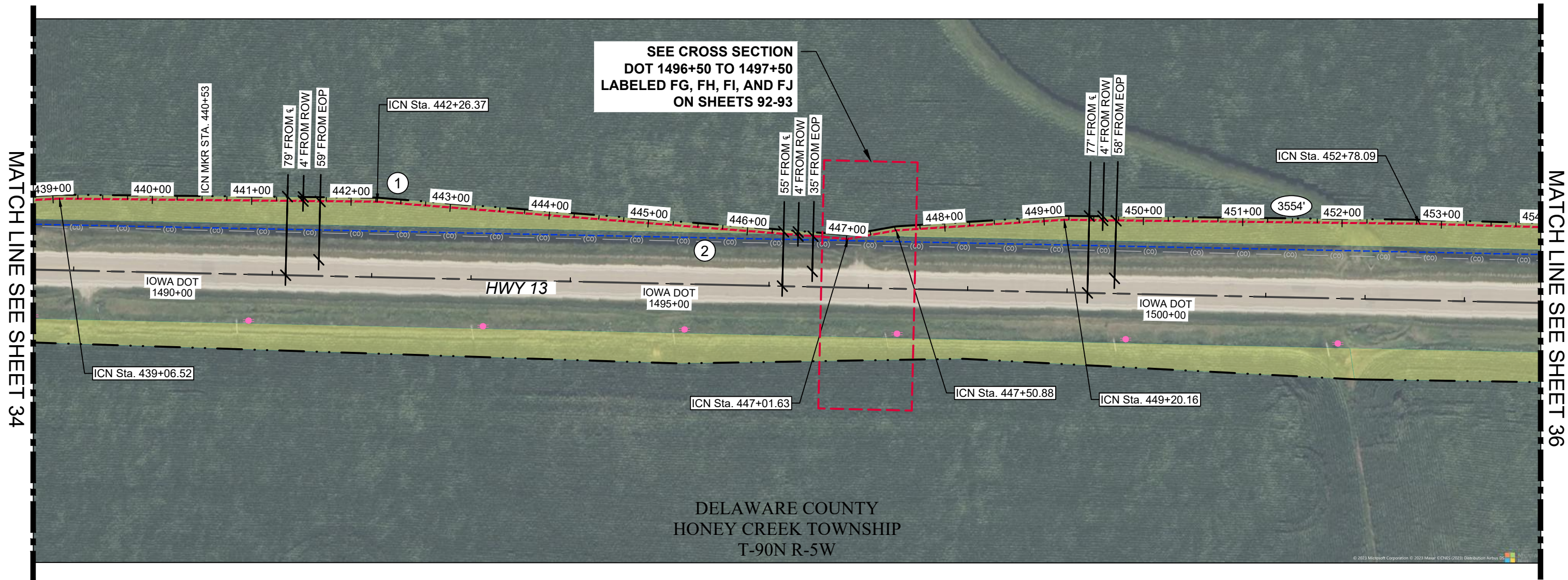
* LENGTH DOES NOT INCLUDE SLACKCOILS



MANCHESTER – DOT HWY 13 RELOCATION
FIBER INSTALLATION

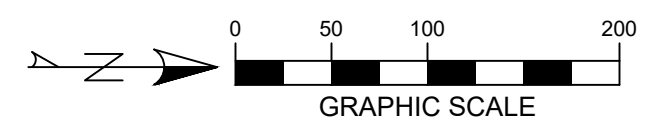
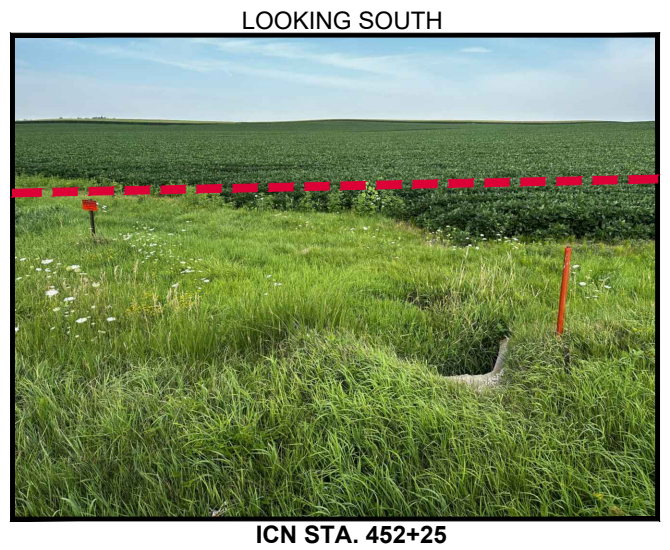
1	FOR 60% REVIEW	09/25/2023
2	FOR 90% REVIEW	10/12/2023
3	FOR PERMIT PLANS	10/24/2023
4		

IOWA COMMUNICATIONS NETWORK
400 EAST 14TH STREET
GRIMES STATE OFFICE BUILDING
DES MOINES, IOWA 50319
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DELAWARE COUNTY
HONEY CREEK TOWNSHIP
T-90N R-5W

- ① NEW LINK 0106 12 F/A DIRECT BURIED VIA PLOW. CONTRACTOR MAY CONVENIENCE BORE AT COST OF PLOW. 36" MINIMUM BELOW GRADE OR PER CROSS SECTION CALL OUT FOR SPECIFIC DEPTHS.
- ② EXISTING ICN LINK 0106. PROTECT IN PLACE.
- ③ OTHER UTILITY PROVIDERS IN AREA. STAY 36" CLEAR FROM ALL EXISTING UTILITIES.
- ④ INSTALL MARKER POST AT EACH HANDOLE LOCATION, EVERY 1,500', OR ON EITHER SIDE OF ROAD CROSSING AT ROW. SEE PROPOSED LOCATIONS "ICN MKR".



LISTING OF HANDHOLES				
HANDHOLE	STATION	HANDHOLE	STATION	LENGTH FT
HH6	314+10	HH7	467+37	15327
TOTAL				15327

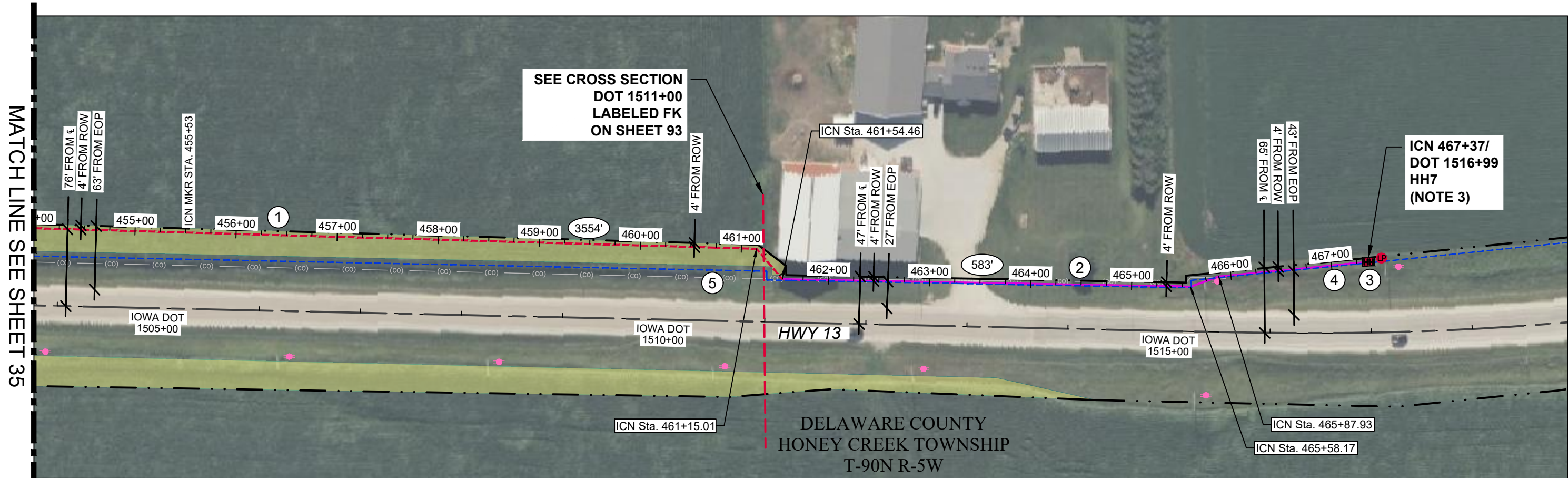
* LENGTH DOES NOT INCLUDE SLACKCOILS



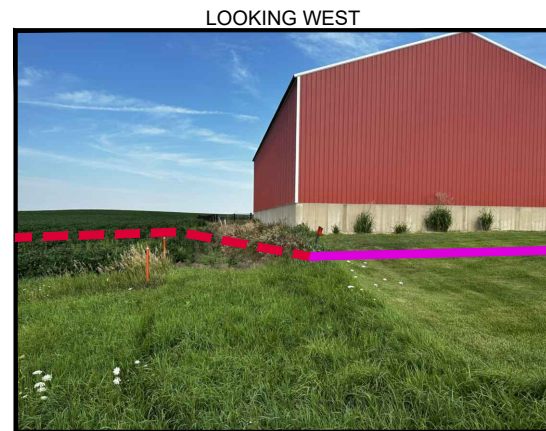
MANCHESTER – DOT HWY 13 RELOCATION
FIBER INSTALLATION

1	FOR 60% REVIEW	09/25/2023
2	FOR 90% REVIEW	10/12/2023
3	FOR PERMIT PLANS	10/24/2023
4		

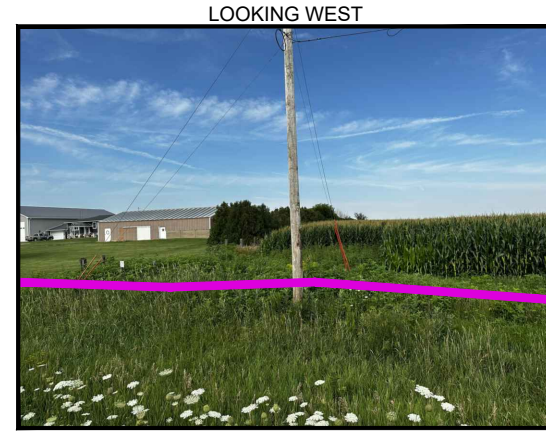
IOWA COMMUNICATIONS NETWORK
400 EAST 14TH STREET
GRIMES STATE OFFICE BUILDING
DES MOINES, IOWA 50319
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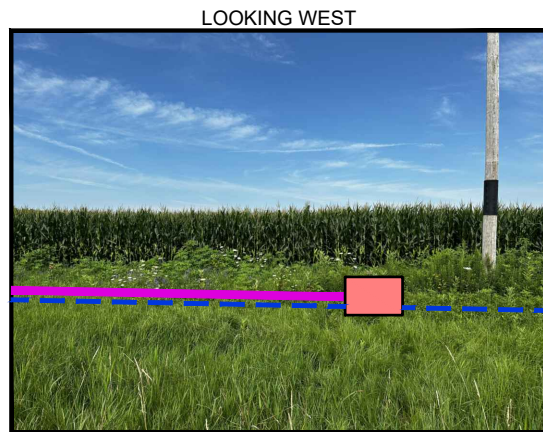
- ① NEW LINK 0106 12 F/A DIRECT BURIED VIA PLOW. CONTRACTOR MAY CONVENIENCE BORE AT COST OF PLOW. 36" MINIMUM BELOW GRADE OR PER CROSS SECTION CALL OUT FOR SPECIFIC DEPTHS.
- ② PULL NEW LINK 0106 12 F/A THROUGH NEW 1 1/4" HDPE CONDUIT VIA BORE. 36" MINIMUM BELOW GRADE OR PER CROSS SECTION CALL OUT FOR SPECIFIC DEPTHS.
- ③ ICN STA. 467+37/ DOT STA. 1516+99 PROPOSED ICN HANDHOLE - HH7 OVER EXISTING ICN DIRECT BURIED CABLE LINK 0106-8fA - PROTECT WITH SPLIT CONDUIT UNDERNEATH NEW HH. NEW LINK 0106 12fA 75' COIL FOR SPLICE LSXXX - TYCO 450A. INSTALL LOCATE PEDESTAL NEXT TO HH AND STUB DUCT FROM BASE OF PEDESTAL TO BOTTOM OF HH.
- ④ EXPOSE 75' OF EXISTING ICN DIRECT BURIED FIBER CABLE LINK 0106-8fA FROM HH5 TO THE SOUTH FOR THE CUTOVER
- ⑤ EXISTING ICN LINK 0106-8fA. PROTECT IN PLACE.
- ⑥ OTHER UTILITY PROVIDERS IN AREA. STAY 36" CLEAR FROM ALL EXISTING UTILITIES.
- ⑦ INSTALL MARKER POST AT EACH HANDOLE LOCATION, EVERY 1,500', OR ON EITHER SIDE OF ROAD CROSSING AT ROW. SEE PROPOSED LOCATIONS "ICN MKR".



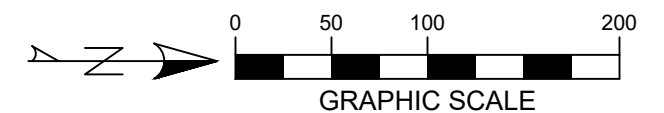
LOOKING WEST
ICN STA. 461+25



LOOKING WEST
ICN STA. 466+00



LOOKING WEST
HH5 - ICN STA. 467+33



LISTING OF HANDHOLES				
HANDHOLE	STATION	HANDHOLE	STATION	LENGTH FT
HH6	314+10	HH7	467+37	15327
TOTAL				15327

* LENGTH DOES NOT INCLUDE SLACKCOILS



MANCHESTER - DOT HWY 13 RELOCATION
FIBER INSTALLATION

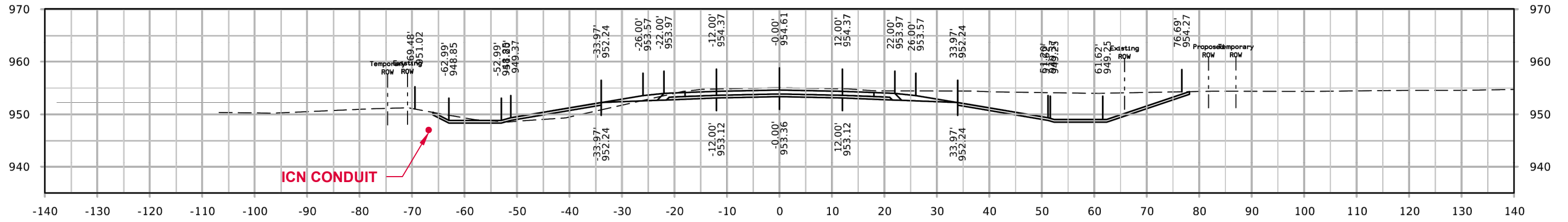
1	FOR 60% REVIEW	09/25/2023
2	FOR 90% REVIEW	10/12/2023
3	FOR PERMIT PLANS	10/24/2023
4		

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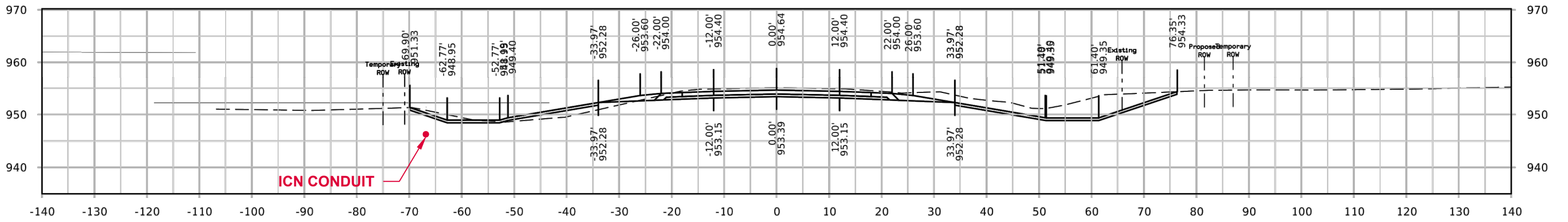
CROSS SECTION

NOTES:

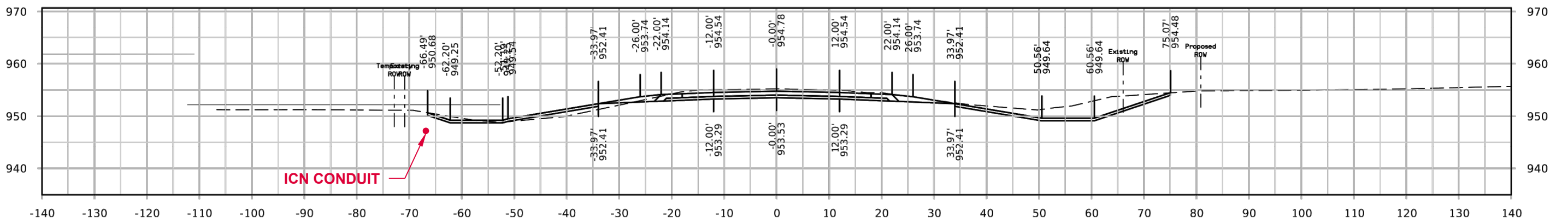
1. ICN TO BE 36" OR MORE BELOW EXISTING GRADE OR NEW GRADE AT DITCH CUTS
2. STATIONING ON CROSS SECTIONS IS IOWA DOT STATIONING



STA. 1059+16.98
CROSS SECTION C

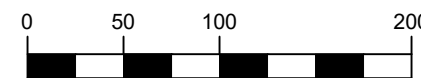


STA. 1059+00.00
CROSS SECTION B



STA. 1058+50.00
CROSS SECTION A

* CONDUIT NOT TO SCALE



GRAPHIC SCALE



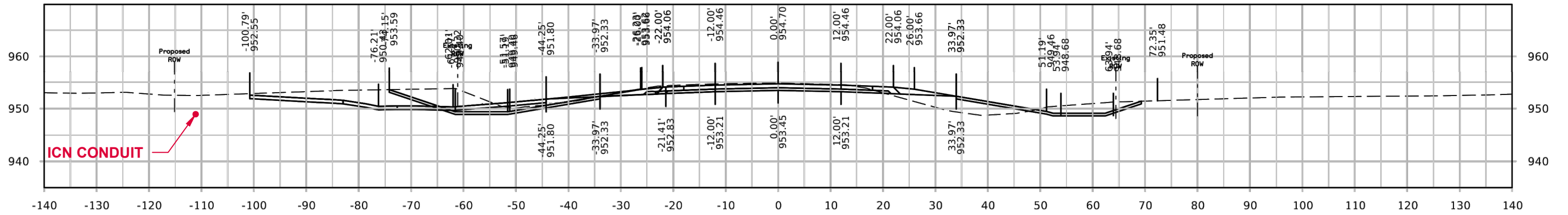
MANCHESTER — DOT HWY 13 RELOCATION		
FIBER INSTALLATION		
1	FOR 60% REVIEW	09/25/2023
2	FOR 90% REVIEW	10/12/2023
3	FOR PERMIT PLANS	10/24/2023
4		

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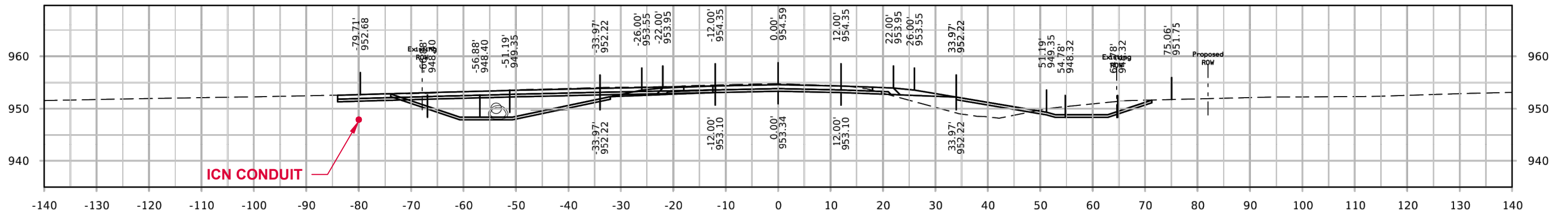
CROSS SECTION

NOTES:

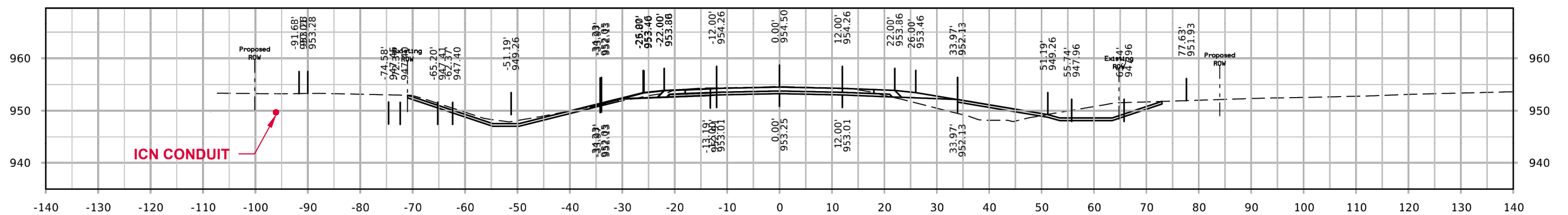
1. ICN TO BE 36" OR MORE BELOW EXISTING GRADE OR NEW GRADE AT DITCH CUTS
2. STATIONING ON CROSS SECTIONS IS IOWA DOT STATIONING



STA. 1063+00.00
CROSS SECTION F

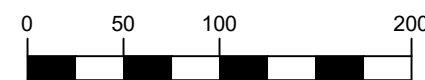


STA. 1062+50.00
CROSS SECTION E



STA. 1062+00.00
CROSS SECTION D

* CONDUIT NOT TO SCALE



GRAPHIC SCALE

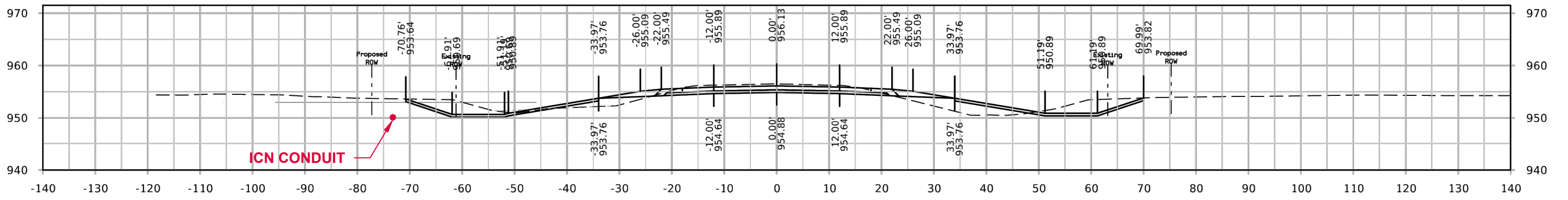
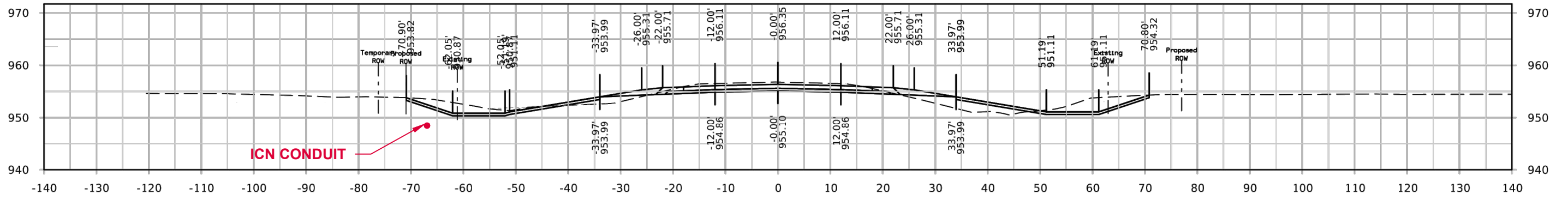
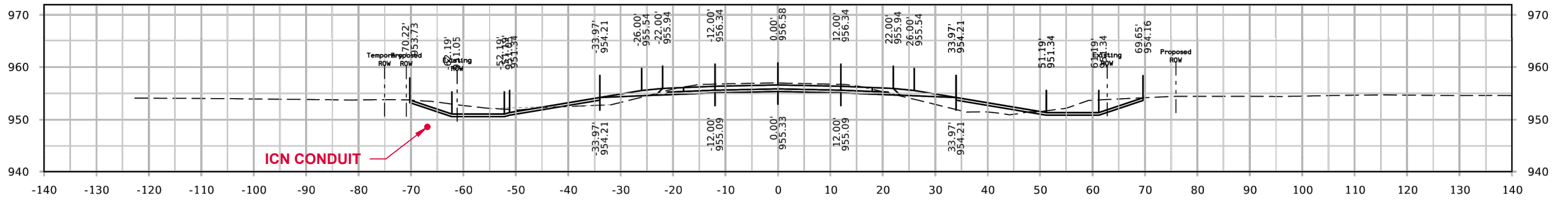


MANCHESTER — DOT HWY 13 RELOCATION FIBER INSTALLATION			<p>IOWA COMMUNICATIONS NETWORK 400 EAST 14TH STREET GRIMES STATE OFFICE BUILDING DES MOINES, IOWA 50319 ICN © 2021, COPY WITH PERMISSION</p>
1	FOR 60% REVIEW	09/25/2023	
2	FOR 90% REVIEW	10/12/2023	
3	FOR PERMIT PLANS	10/24/2023	

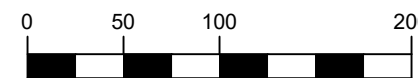
CROSS SECTION

NOTES:

1. ICN TO BE 36" OR MORE BELOW EXISTING GRADE OR NEW GRADE AT DITCH CUTS
2. STATIONING ON CROSS SECTIONS IS IOWA DOT STATIONING



* CONDUIT NOT TO SCALE



GRAPHIC SCALE



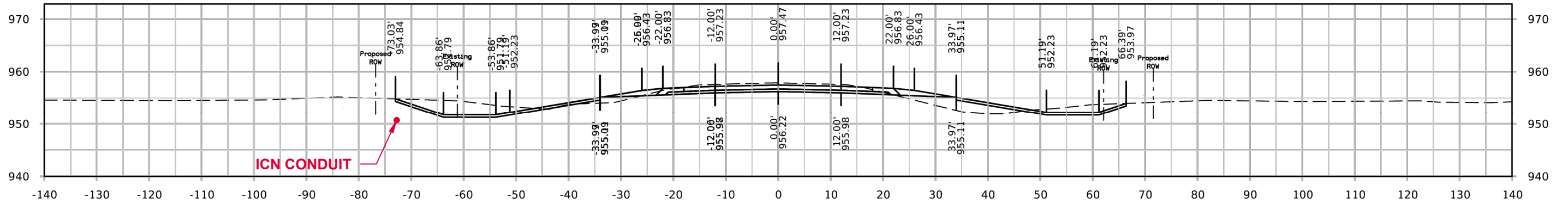
MANCHESTER — DOT HWY 13 RELOCATION		
FIBER INSTALLATION		
1	FOR 60% REVIEW	09/25/2023
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4		

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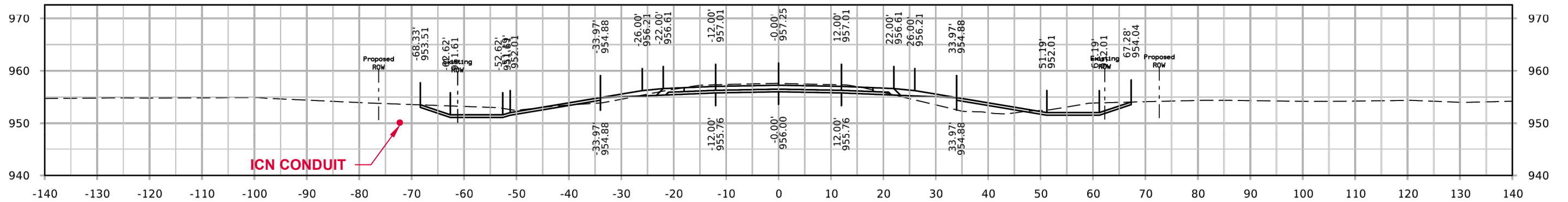
CROSS SECTION

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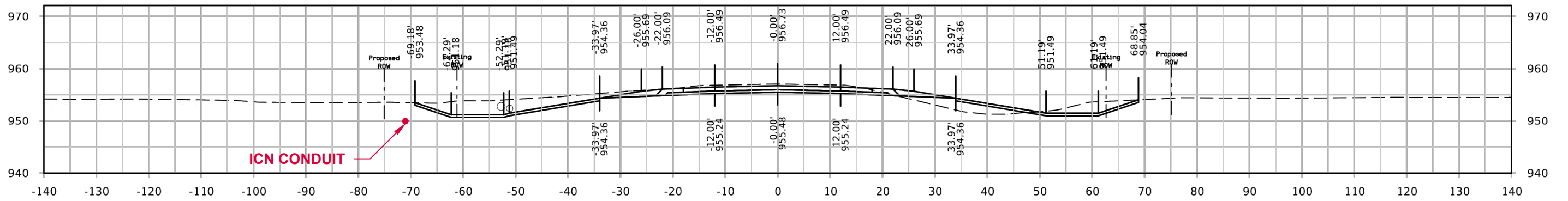
1. ICN TO BE 36" OR MORE BELOW EXISTING GRADE OR NEW GRADE AT DITCH CUTS
2. STATIONING ON CROSS SECTIONS IS IOWA DOT STATIONING



STA. 1069+50.00
CROSS SECTION L

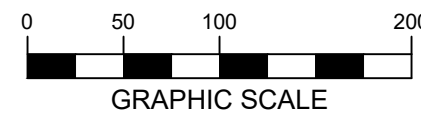


STA. 1069+00.00
CROSS SECTION K



STA. 1067+84.15
CROSS SECTION J

* CONDUIT NOT TO SCALE



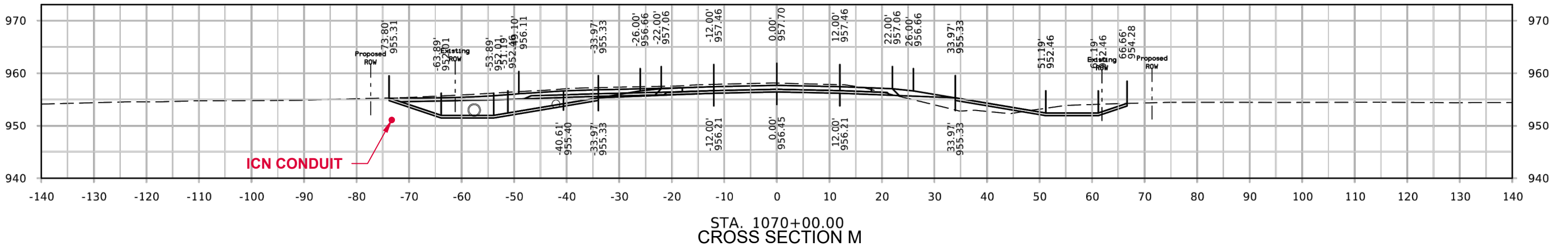
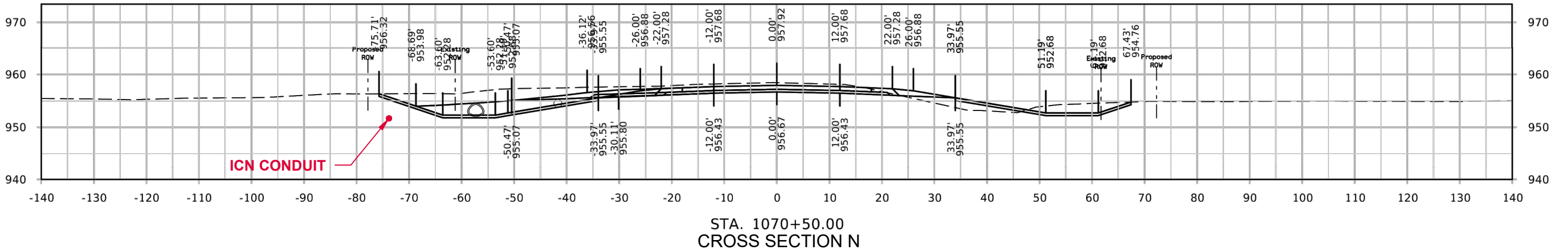
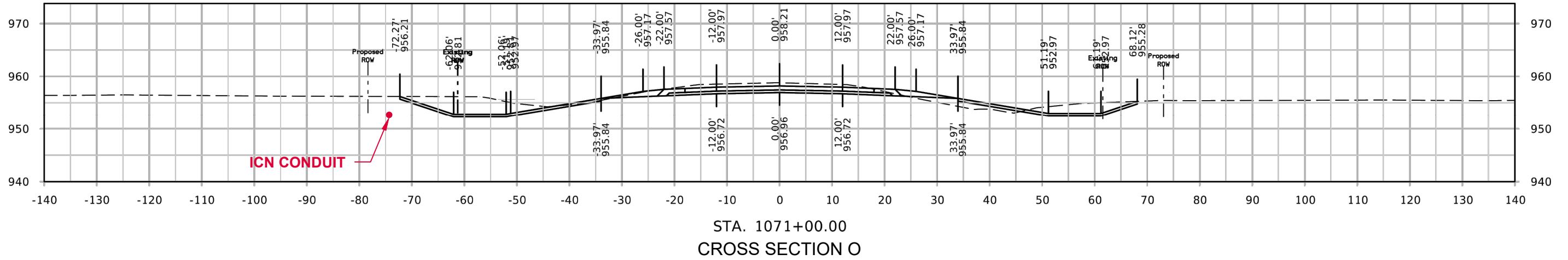
MANCHESTER – DOT HWY 13 RELOCATION		
FIBER INSTALLATION		
1	FOR 60% REVIEW	09/25/2023
2	FOR 90% REVIEW	10/12/2023
3	FOR PERMIT PLANS	10/24/2023
4		

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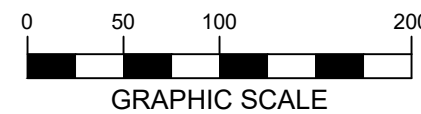
CROSS SECTION

NOTES:

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* CONDUIT NOT TO SCALE



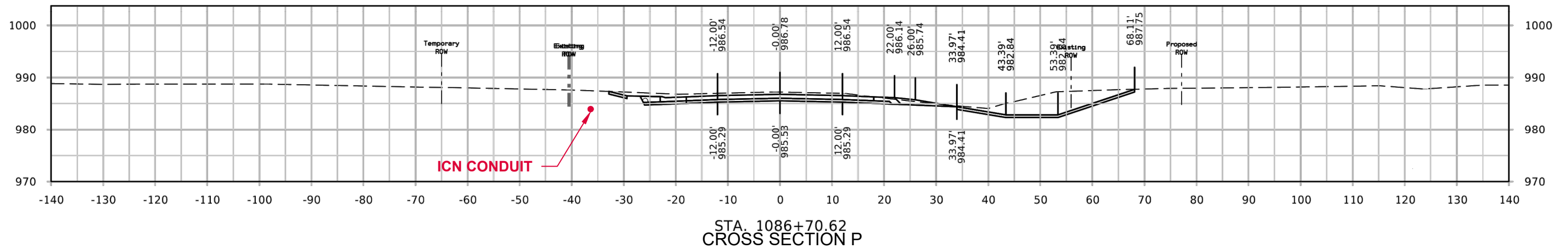
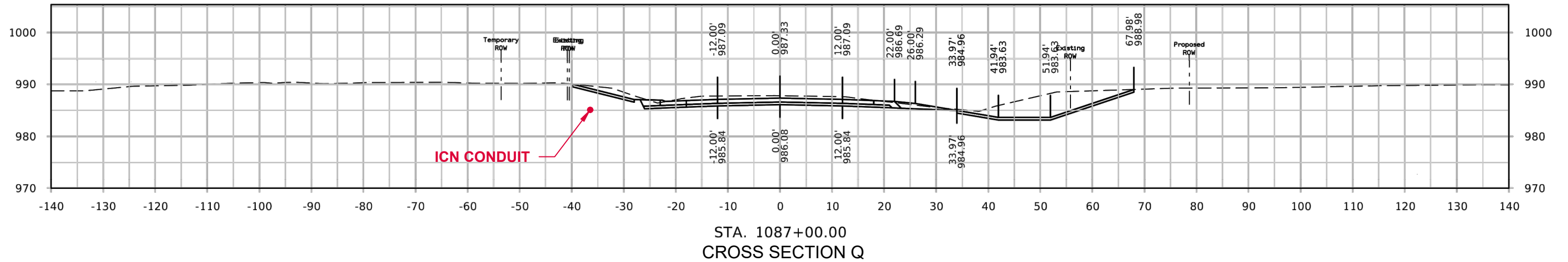
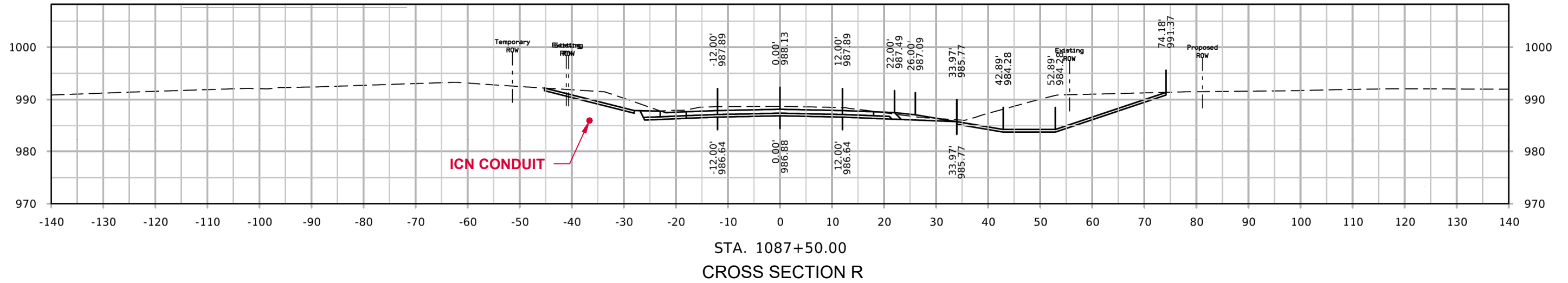
MANCHESTER – DOT HWY 13 RELOCATION		
FIBER INSTALLATION		
1	FOR 60% REVIEW	09/25/2023
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IOWA COMMUNICATIONS NETWORK
400 EAST 14TH STREET
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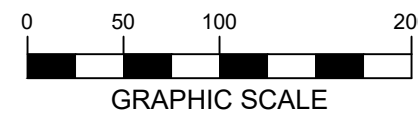
CROSS SECTION

NOTES:

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* CONDUIT NOT TO SCALE

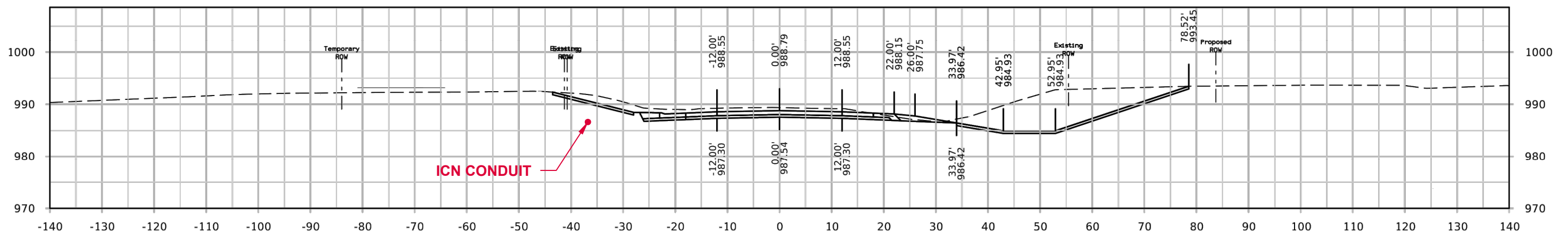
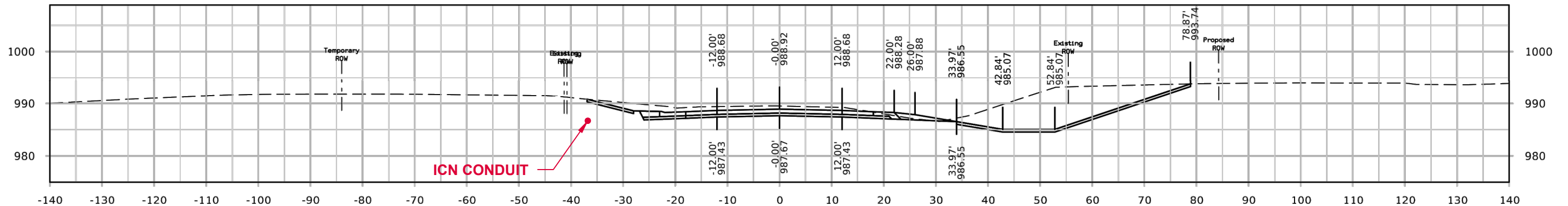
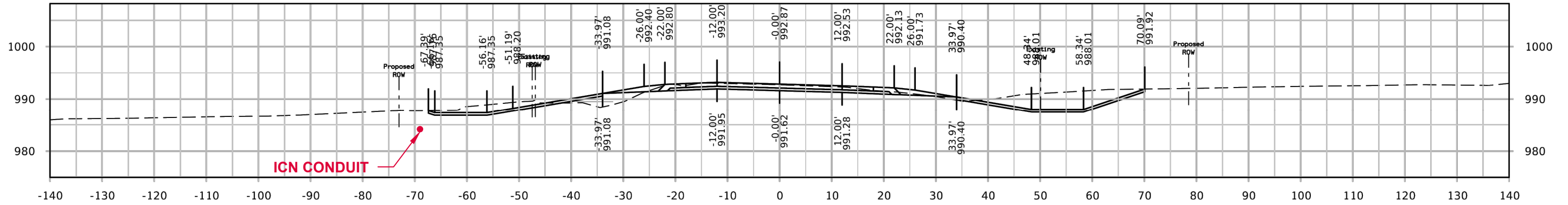


MANCHESTER – DOT HWY 13 RELOCATION FIBER INSTALLATION			 IOWA COMMUNICATIONS NETWORK 400 EAST 14TH STREET GRIMES STATE OFFICE BUILDING DES MOINES, IOWA 50319 ICN © 2021, COPY WITH PERMISSION
1	FOR 60% REVIEW	09/25/2023	
2	FOR 90% REVIEW	10/12/2023	
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4			

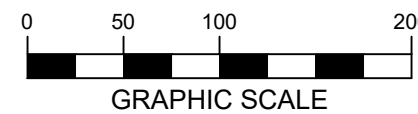
CROSS SECTION

NOTES:

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* CONDUIT NOT TO SCALE



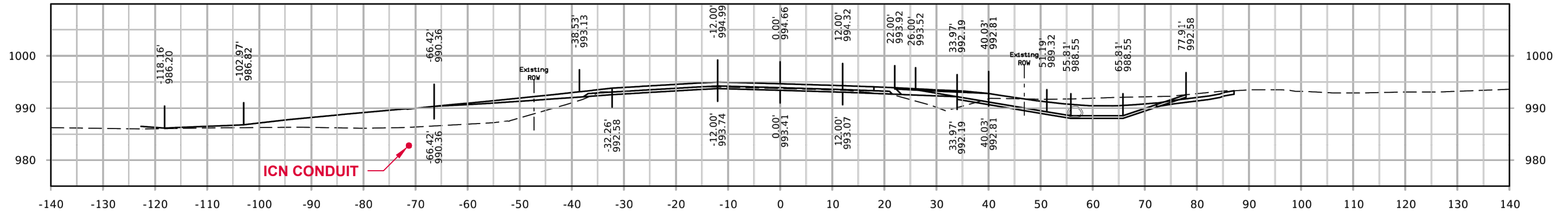
MANCHESTER — DOT HWY 13 RELOCATION		
FIBER INSTALLATION		
1	FOR 60% REVIEW	09/25/2023
2	FOR 90% REVIEW	10/12/2023
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IOWA COMMUNICATIONS NETWORK
400 EAST 14TH STREET
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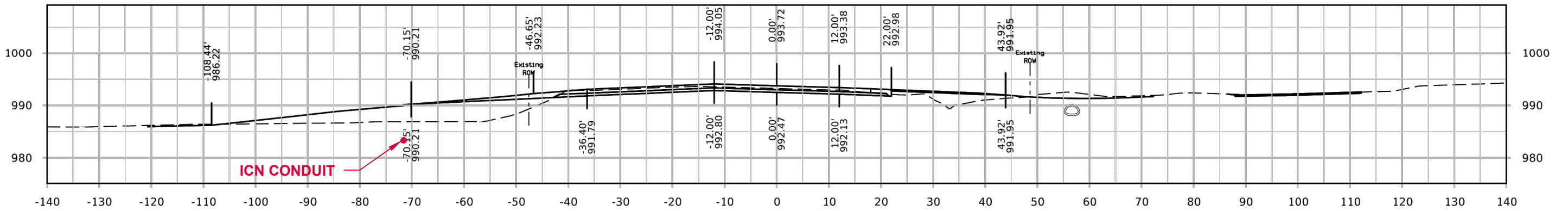
CROSS SECTION

NOTES:

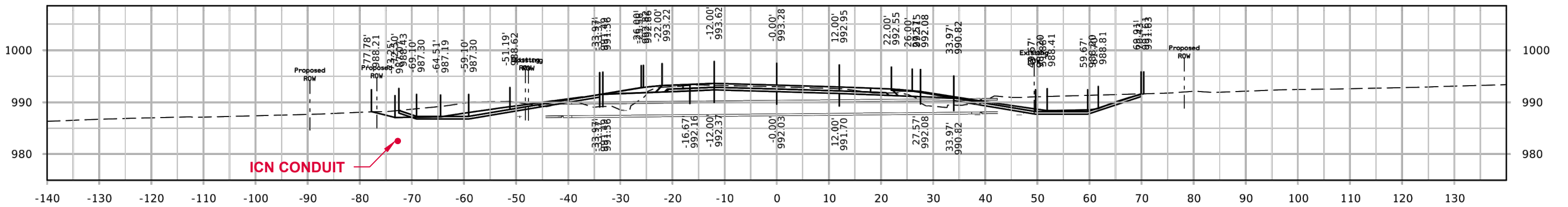
1. ICN TO BE 36" OR MORE BELOW EXISTING GRADE OR NEW GRADE AT DITCH CUTS
2. STATIONING ON CROSS SECTIONS IS IOWA DOT STATIONING



STA. 1099+50.00
CROSS SECTION X

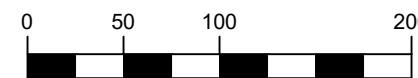


STA. 1099+00.00
CROSS SECTION W



STA. 1098+75.00
CROSS SECTION V

* CONDUIT NOT TO SCALE



GRAPHIC SCALE

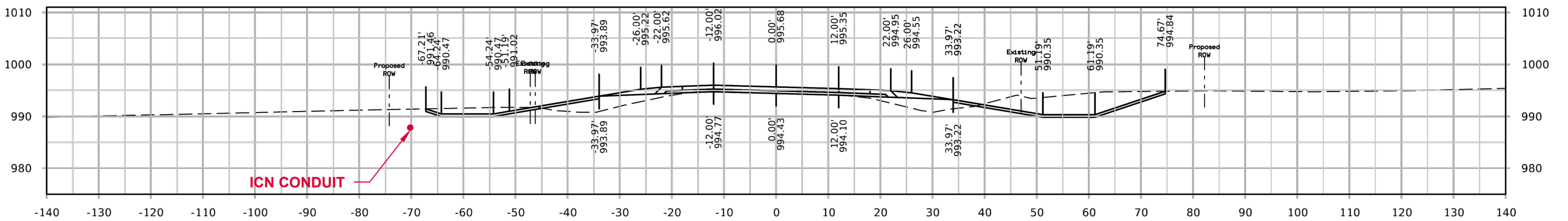
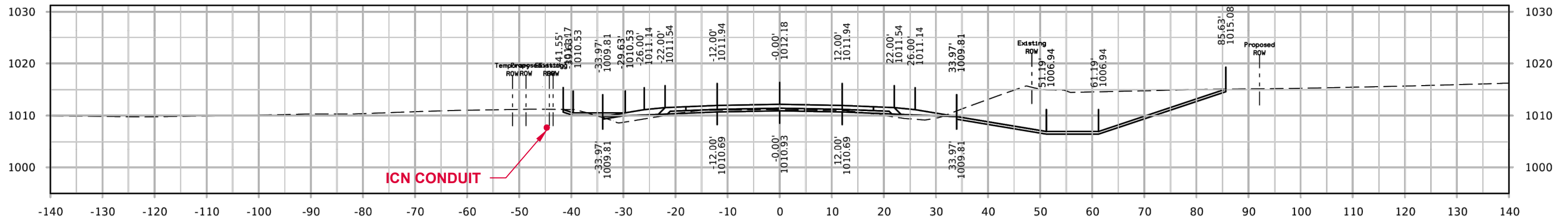
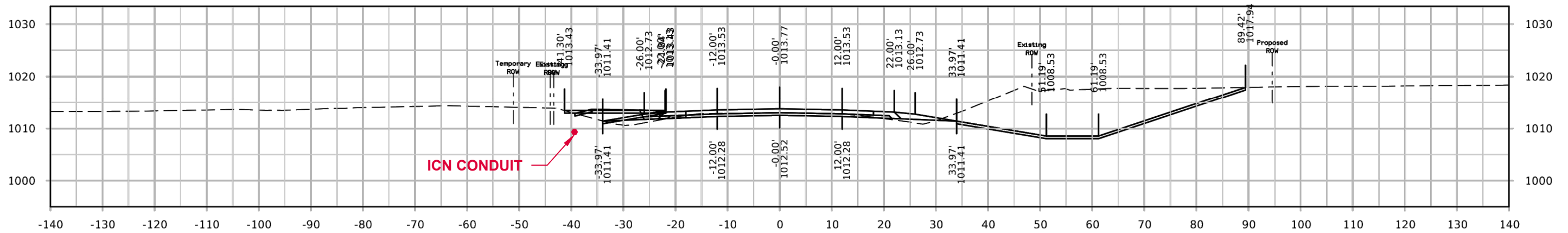


MANCHESTER – DOT HWY 13 RELOCATION			
FIBER INSTALLATION			
1	FOR 60% REVIEW	09/25/2023	IOWA COMMUNICATIONS NETWORK 400 EAST 14TH STREET GRIMES STATE OFFICE BUILDING DES MOINES, IOWA 50319 ICN © 2021, COPY WITH PERMISSION
2	FOR 90% REVIEW	10/12/2023	
3	FOR PERMIT PLANS	10/24/2023	
4			

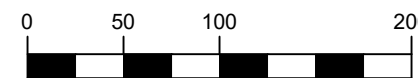
CROSS SECTION

NOTES:

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2. STATIONING ON CROSS SECTIONS IS IOWA DOT STATIONING



* CONDUIT NOT TO SCALE



GRAPHIC SCALE



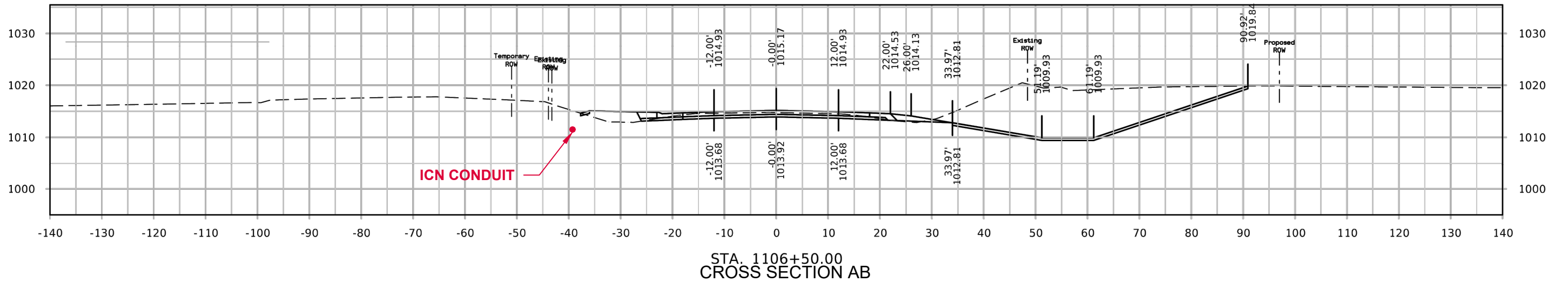
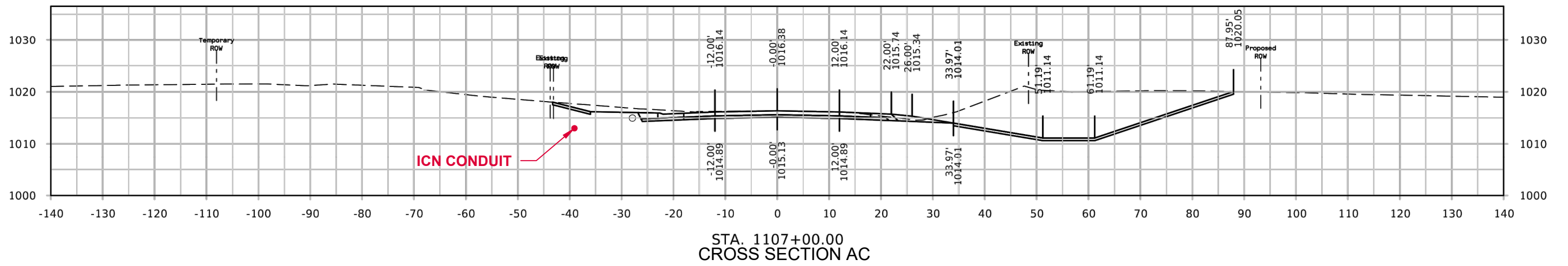
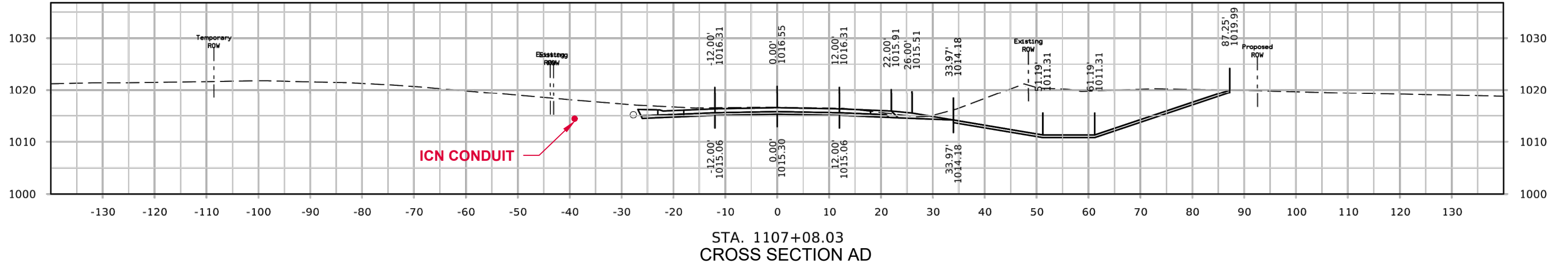
MANCHESTER — DOT HWY 13 RELOCATION		
FIBER INSTALLATION		
1	FOR 60% REVIEW	09/25/2023
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400 EAST 14TH STREET
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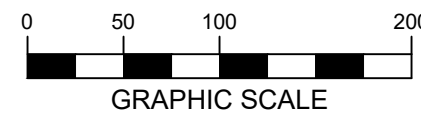
CROSS SECTION

NOTES:

1. ICN TO BE 36" OR MORE BELOW EXISTING GRADE OR NEW GRADE AT DITCH CUTS
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* CONDUIT NOT TO SCALE

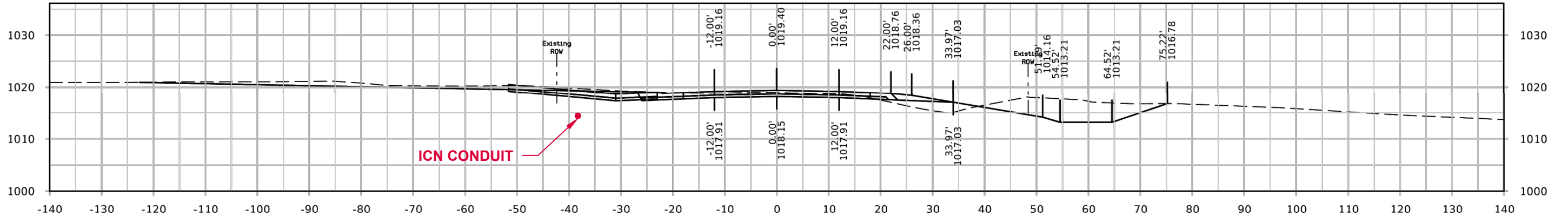


MANCHESTER — DOT HWY 13 RELOCATION			
FIBER INSTALLATION			
1	FOR 60% REVIEW	09/25/2023	IOWA COMMUNICATIONS NETWORK 400 EAST 14TH STREET GRIMES STATE OFFICE BUILDING DES MOINES, IOWA 50319 ICN © 2021, COPY WITH PERMISSION
2	FOR 90% REVIEW	10/12/2023	
3	FOR PERMIT PLANS	10/24/2023	
4			

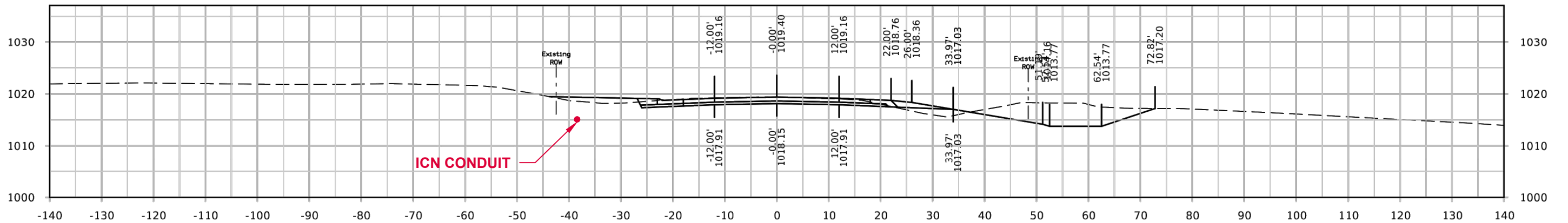
CROSS SECTION

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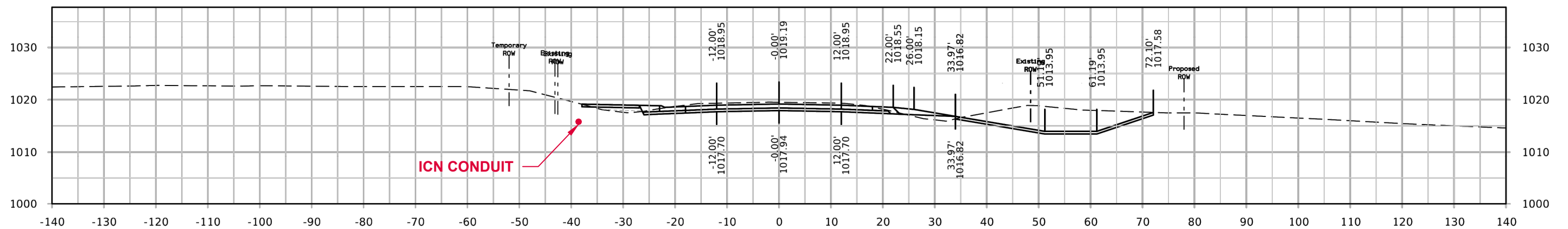
1. ICN TO BE 36" OR MORE BELOW EXISTING GRADE OR NEW GRADE AT DITCH CUTS
2. STATIONING ON CROSS SECTIONS IS IOWA DOT STATIONING



STA. 1110+00.00
CROSS SECTION AG

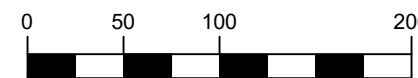


STA. 1109+50.00
CROSS SECTION AF



STA. 1109+00.00
CROSS SECTION AE

* CONDUIT NOT TO SCALE



GRAPHIC SCALE



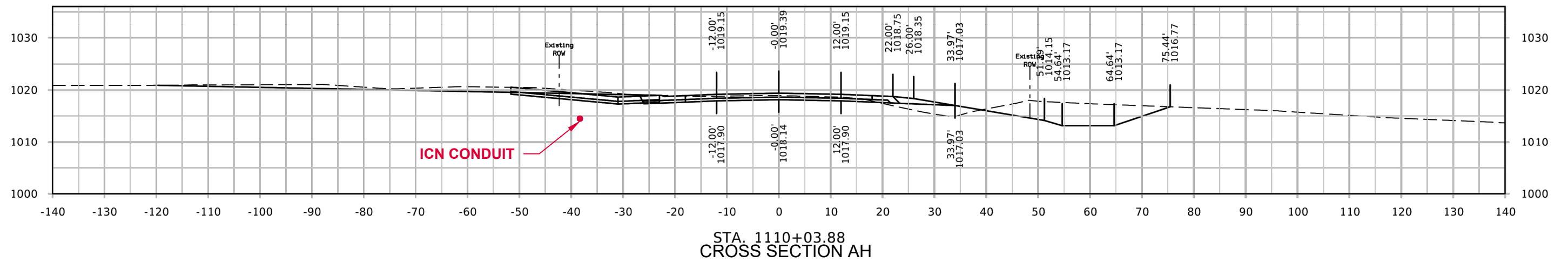
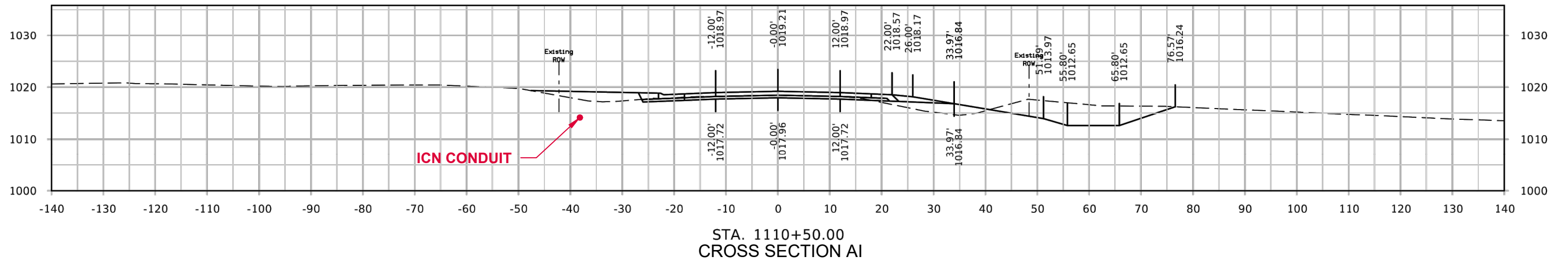
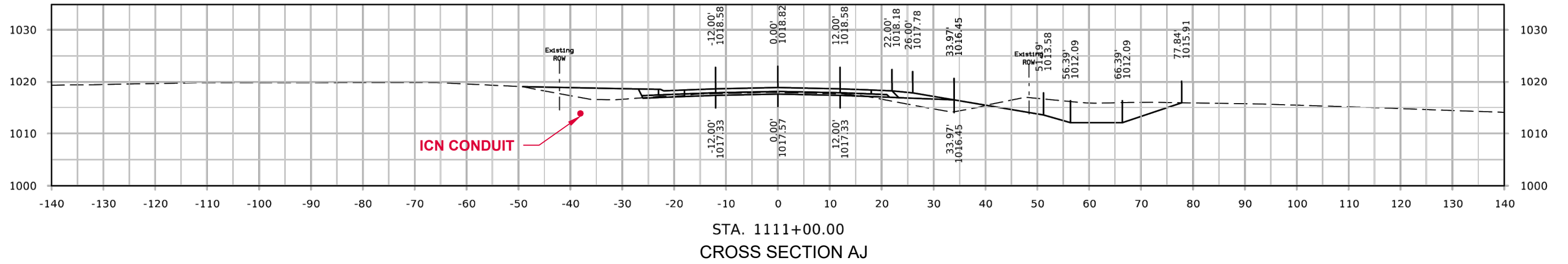
MANCHESTER – DOT HWY 13 RELOCATION		
FIBER INSTALLATION		
1	FOR 60% REVIEW	09/25/2023
2	FOR 90% REVIEW	10/12/2023
3	FOR PERMIT PLANS	10/24/2023
4		

IOWA COMMUNICATIONS NETWORK
400 EAST 14TH STREET
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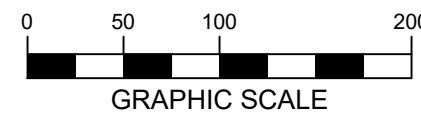
CROSS SECTION

NOTES:

1. ICN TO BE 36" OR MORE BELOW EXISTING GRADE OR NEW GRADE AT DITCH CUTS
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* CONDUIT NOT TO SCALE



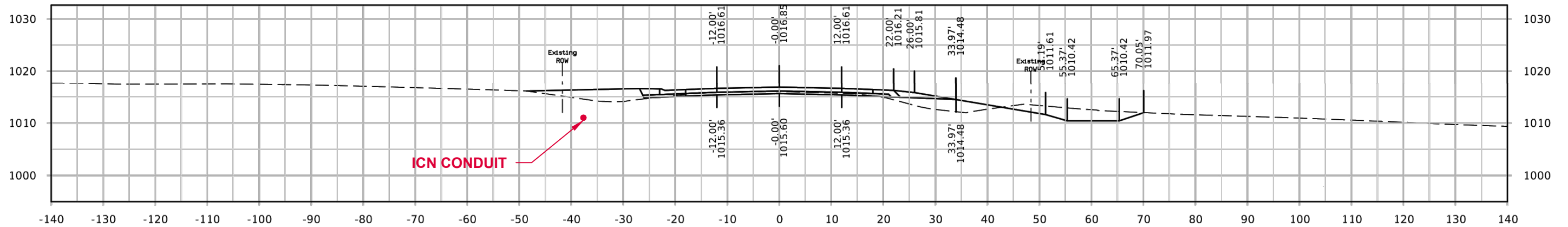
MANCHESTER – DOT HWY 13 RELOCATION		
FIBER INSTALLATION		
1	FOR 60% REVIEW	09/25/2023
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3	FOR PERMIT PLANS	10/24/2023
4		

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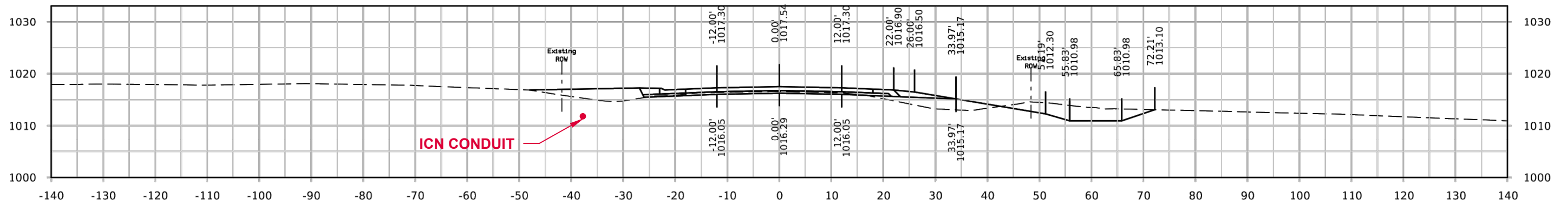
CROSS SECTION

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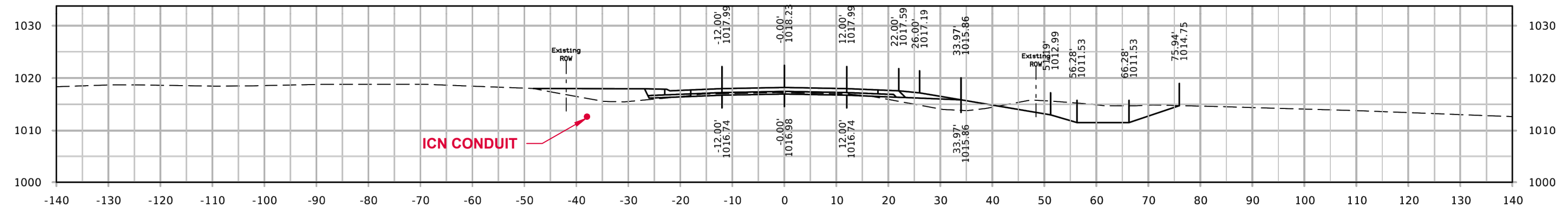
1. ICN TO BE 36" OR MORE BELOW EXISTING GRADE OR NEW GRADE AT DITCH CUTS
2. STATIONING ON CROSS SECTIONS IS IOWA DOT STATIONING



STA. 1112+50.00
CROSS SECTION AM

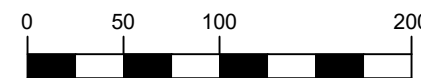


STA. 1112+00.00
CROSS SECTION AL



STA. 1111+50.00
CROSS SECTION AK

* CONDUIT NOT TO SCALE



GRAPHIC SCALE

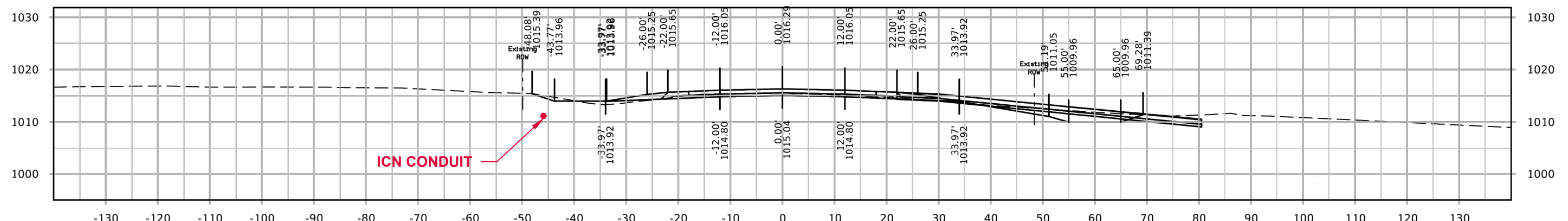
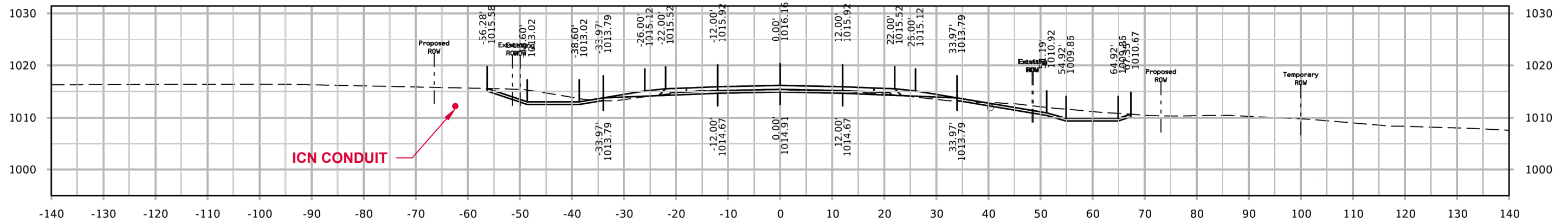
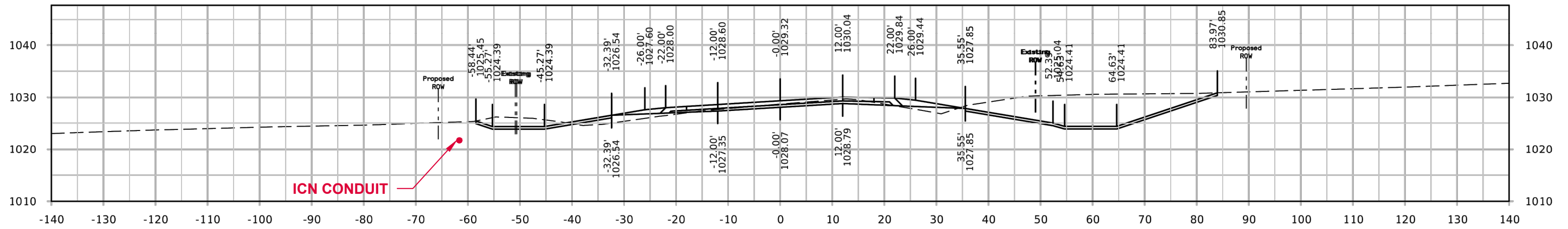


MANCHESTER – DOT HWY 13 RELOCATION FIBER INSTALLATION			<p>IOWA COMMUNICATIONS NETWORK 400 EAST 14TH STREET GRIMES STATE OFFICE BUILDING DES MOINES, IOWA 50319 ICN © 2021, COPY WITH PERMISSION</p>
1	FOR 60% REVIEW	09/25/2023	
2	FOR 90% REVIEW	10/12/2023	
3	FOR PERMIT PLANS	10/24/2023	
4			

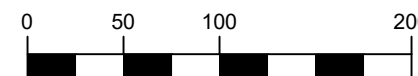
CROSS SECTION

NOTES:

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* CONDUIT NOT TO SCALE



GRAPHIC SCALE



MANCHESTER — DOT HWY 13 RELOCATION
FIBER INSTALLATION

1	FOR 60% REVIEW	09/25/2023
2	FOR 90% REVIEW	10/12/2023
3	FOR PERMIT PLANS	10/24/2023
4		

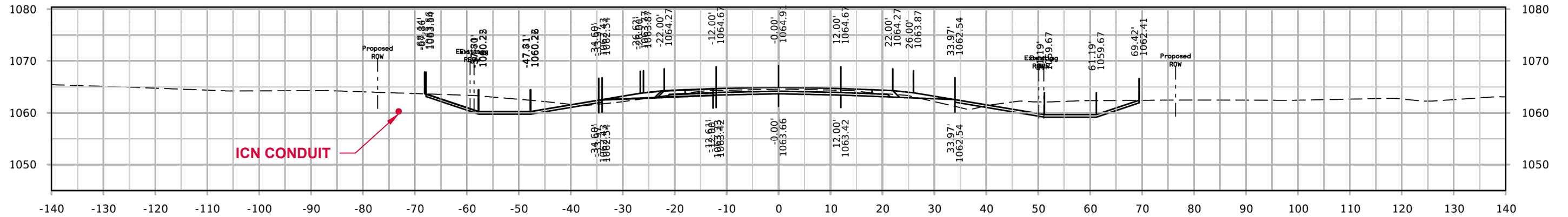
hbK **ICN**

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400 EAST 14TH STREET
GRIMES STATE OFFICE BUILDING
DES MOINES, IOWA 50319
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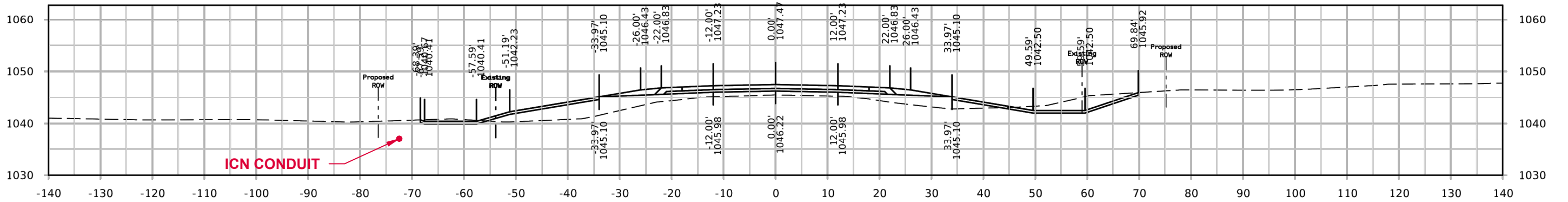
CROSS SECTION

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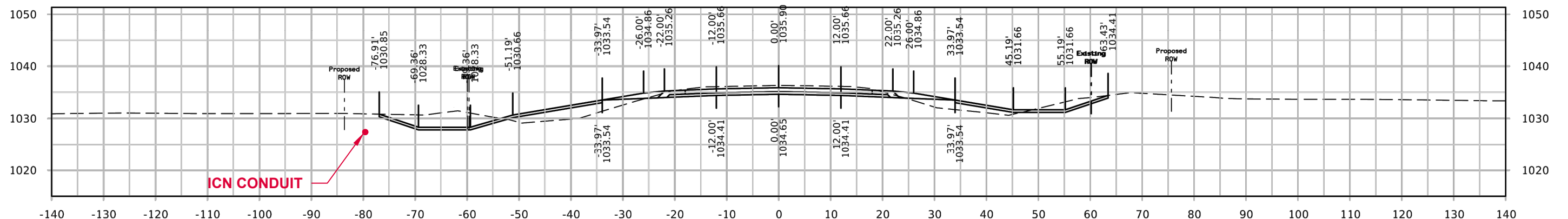
1. ICN TO BE 36" OR MORE BELOW EXISTING GRADE OR NEW GRADE AT DITCH CUTS
2. STATIONING ON CROSS SECTIONS IS IOWA DOT STATIONING



STA. 1182+00.00
CROSS SECTION AS

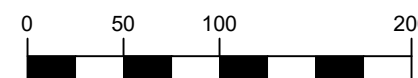


STA. 1166+50.00
CROSS SECTION AR



STA. 1149+50.00
CROSS SECTION AQ

* CONDUIT NOT TO SCALE



GRAPHIC SCALE



MANCHESTER – DOT HWY 13 RELOCATION
FIBER INSTALLATION

1	FOR 60% REVIEW	09/25/2023
2	FOR 90% REVIEW	10/12/2023
3	FOR PERMIT PLANS	10/24/2023
4		

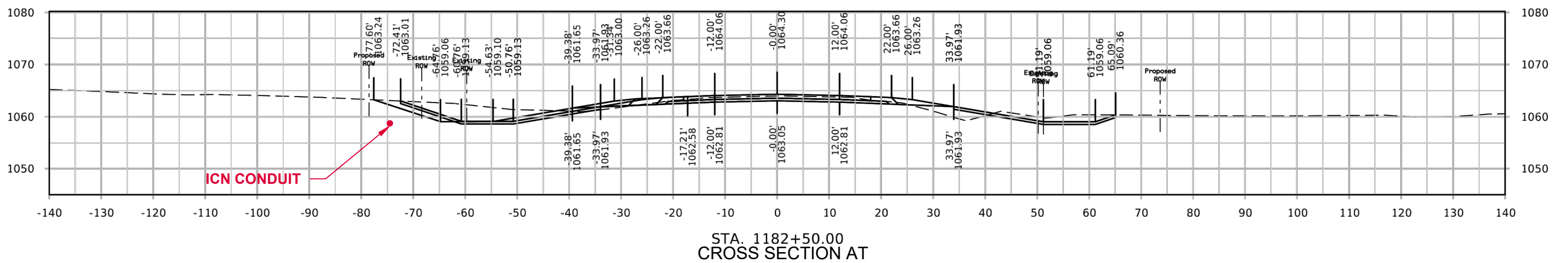
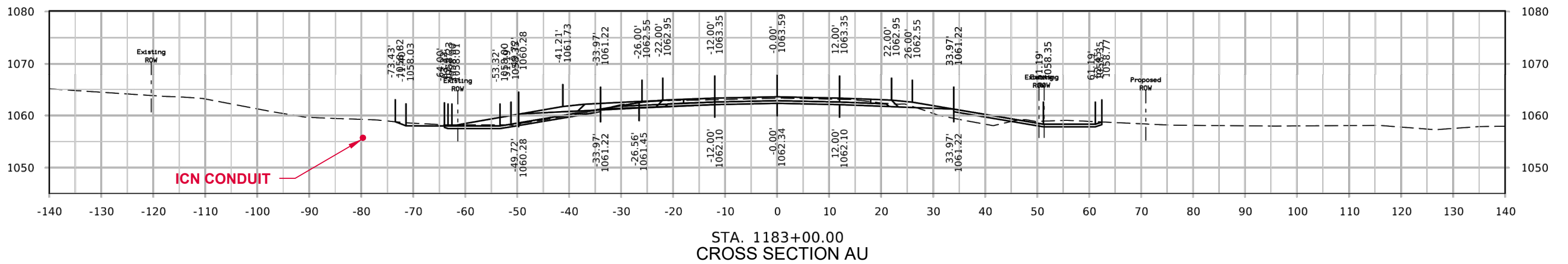
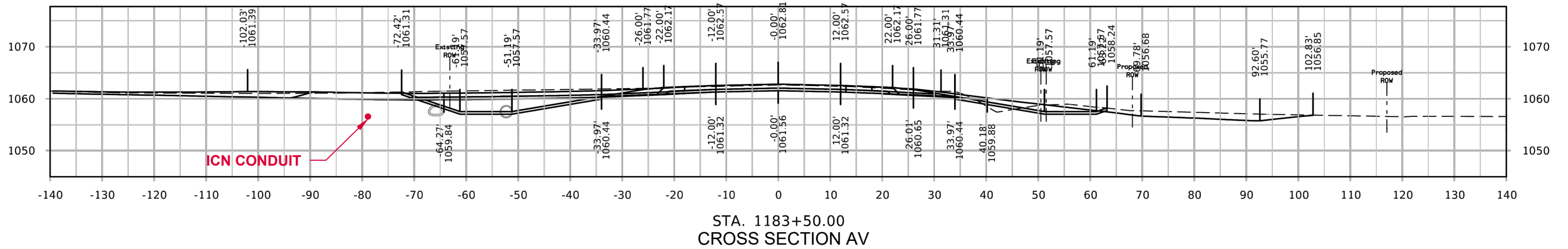
hbk **ICN**

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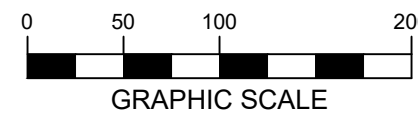
CROSS SECTION

NOTES:

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* CONDUIT NOT TO SCALE

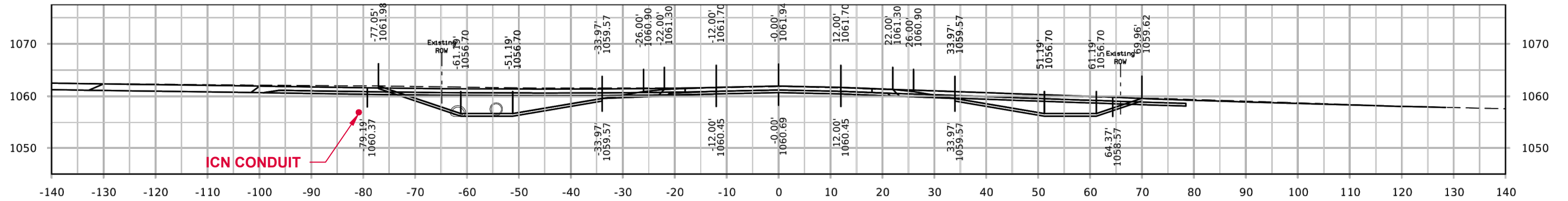
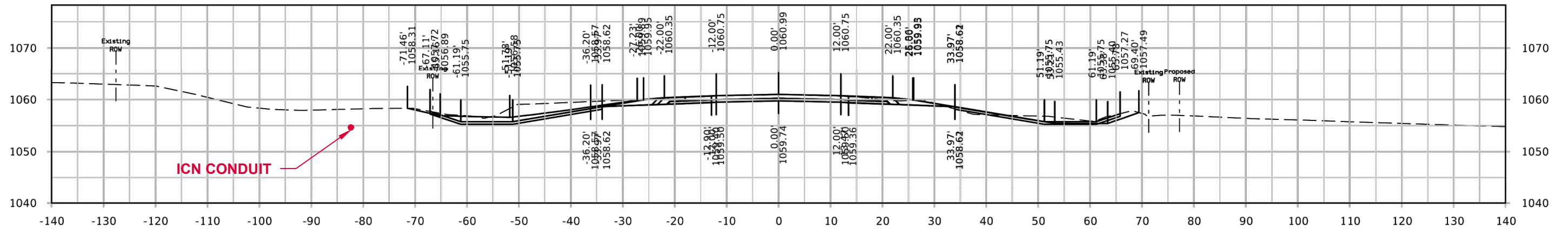
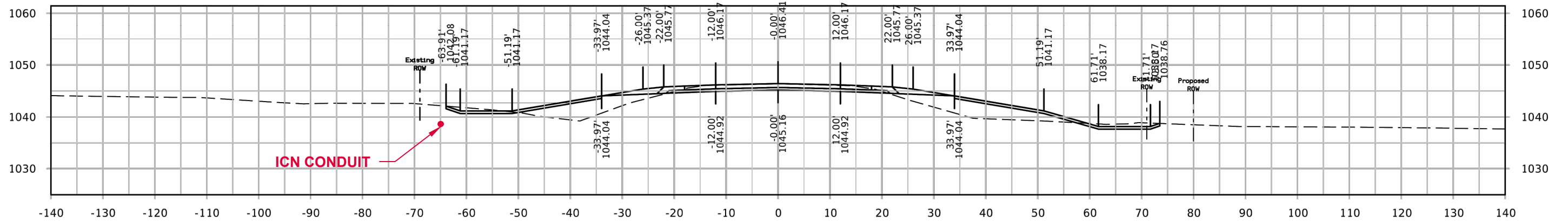


MANCHESTER – DOT HWY 13 RELOCATION FIBER INSTALLATION			 IOWA COMMUNICATIONS NETWORK 400 EAST 14TH STREET GRIMES STATE OFFICE BUILDING DES MOINES, IOWA 50319 ICN © 2021, COPY WITH PERMISSION
1	FOR 60% REVIEW	09/25/2023	
2	FOR 90% REVIEW	10/12/2023	
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4			

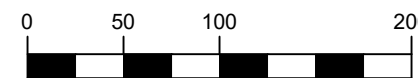
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GRAPHIC SCALE

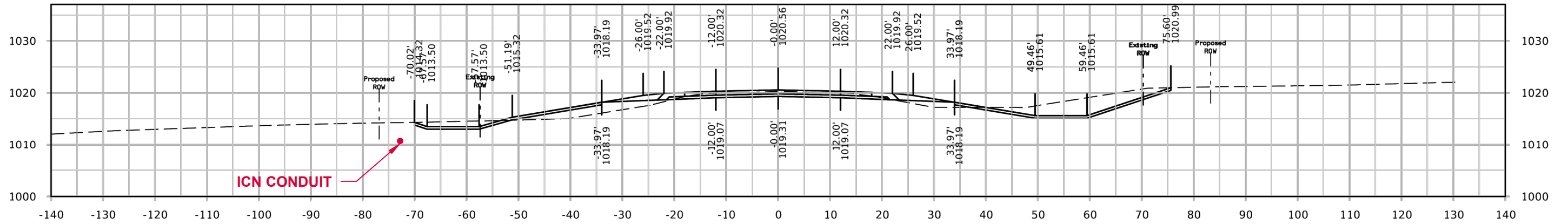


MANCHESTER — DOT HWY 13 RELOCATION			
FIBER INSTALLATION			
1	FOR 60% REVIEW	09/25/2023	IOWA COMMUNICATIONS NETWORK 400 EAST 14TH STREET GRIMES STATE OFFICE BUILDING DES MOINES, IOWA 50319 ICN © 2021, COPY WITH PERMISSION
2	FOR 90% REVIEW	10/12/2023	
3	FOR PERMIT PLANS	10/24/2023	
4			

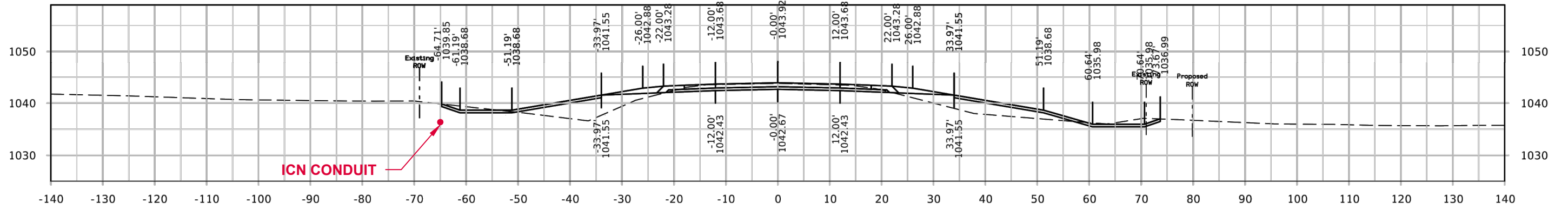
CROSS SECTION

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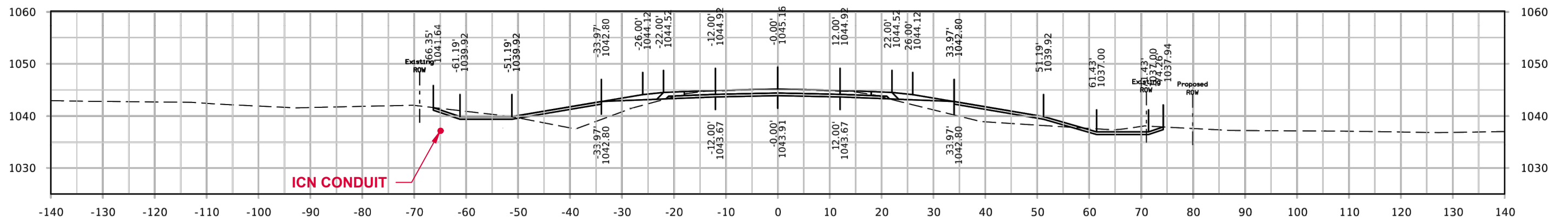
1. ICN TO BE 36" OR MORE BELOW EXISTING GRADE OR NEW GRADE AT DITCH CUTS
2. STATIONING ON CROSS SECTIONS IS IOWA DOT STATIONING



STA. 1205+50.00
CROSS SECTION BB

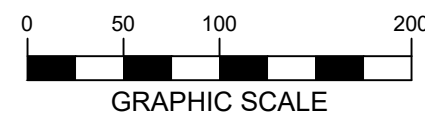


STA. 1191+50.00
CROSS SECTION BA



STA. 1191+00.00
CROSS SECTION AZ

* CONDUIT NOT TO SCALE



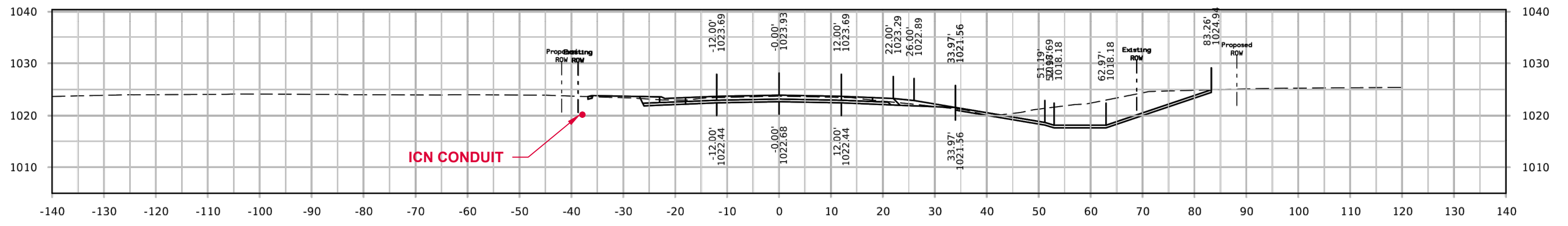
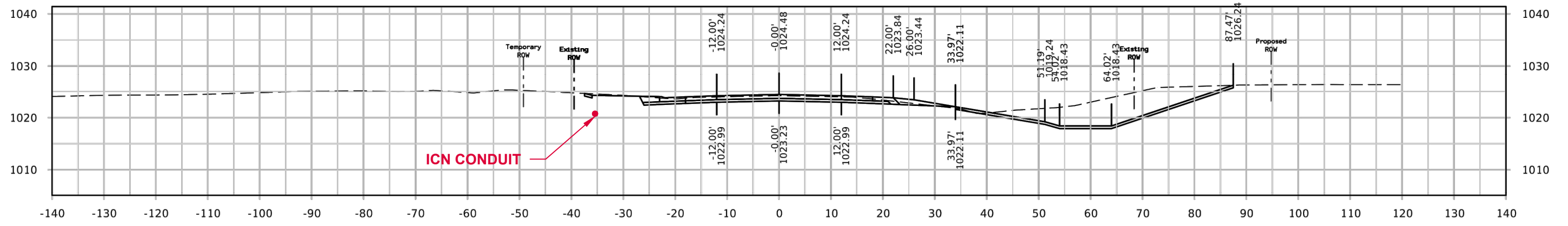
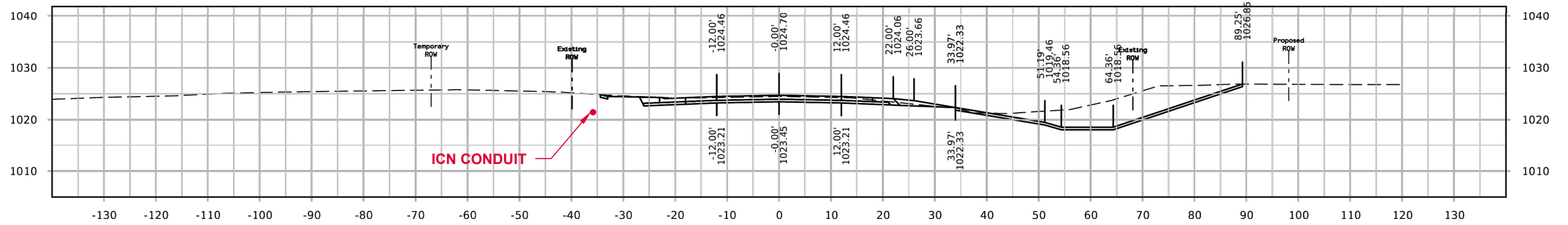
MANCHESTER – DOT HWY 13 RELOCATION		
FIBER INSTALLATION		
1	FOR 60% REVIEW	09/25/2023
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4		

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400 EAST 14TH STREET
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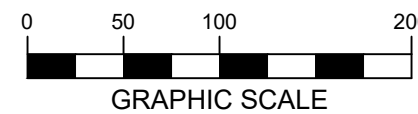
CROSS SECTION

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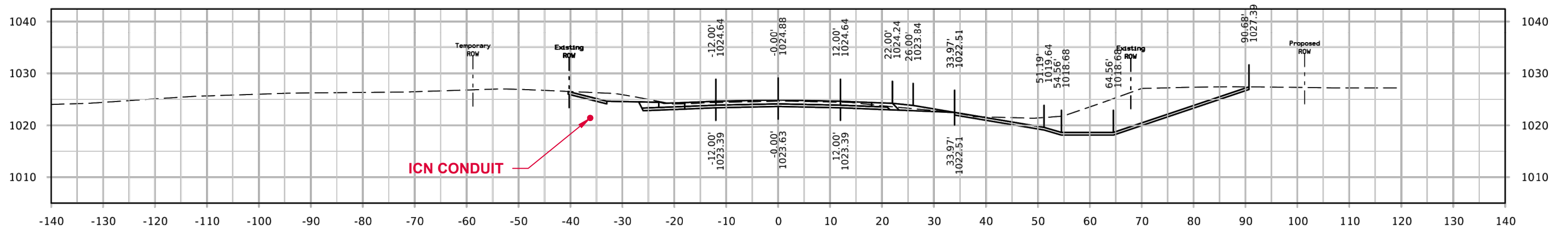
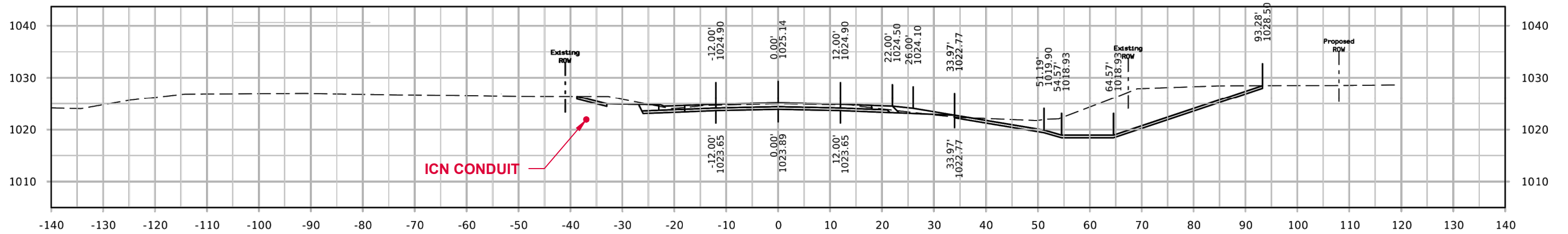
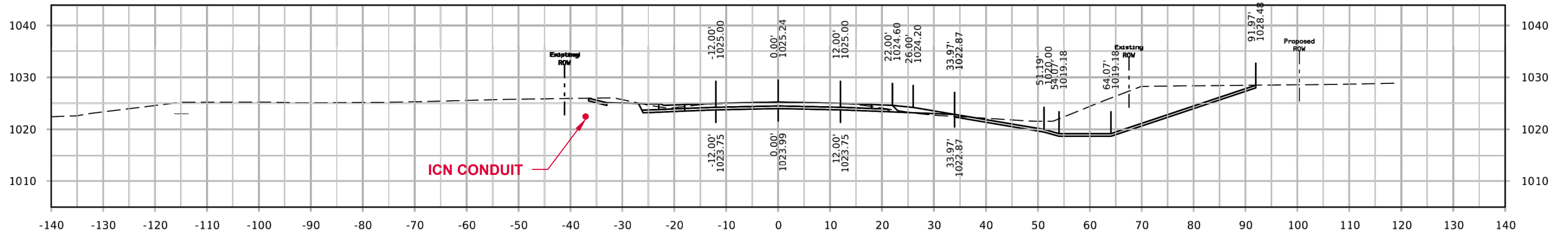
MANCHESTER — DOT HWY 13 RELOCATION		
FIBER INSTALLATION		
1	FOR 60% REVIEW	09/25/2023
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IOWA COMMUNICATIONS NETWORK
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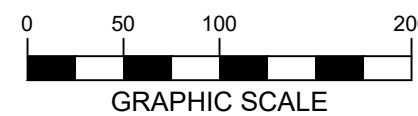
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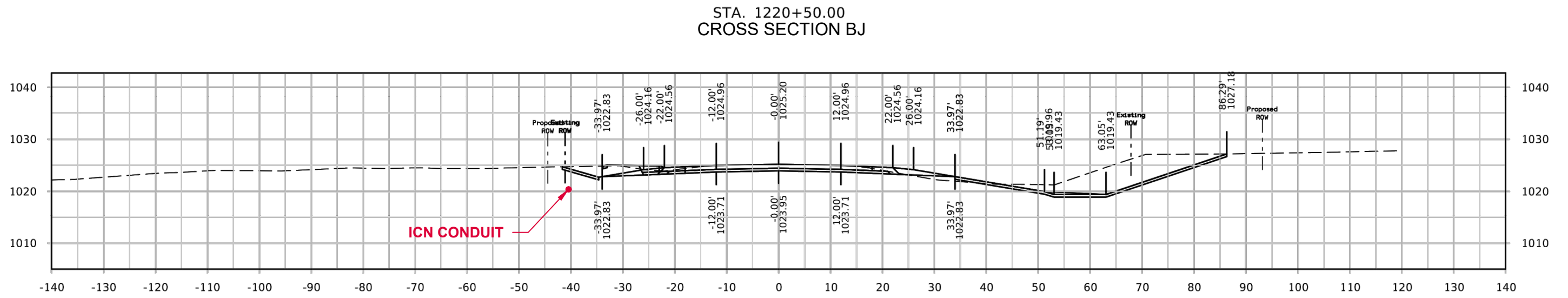
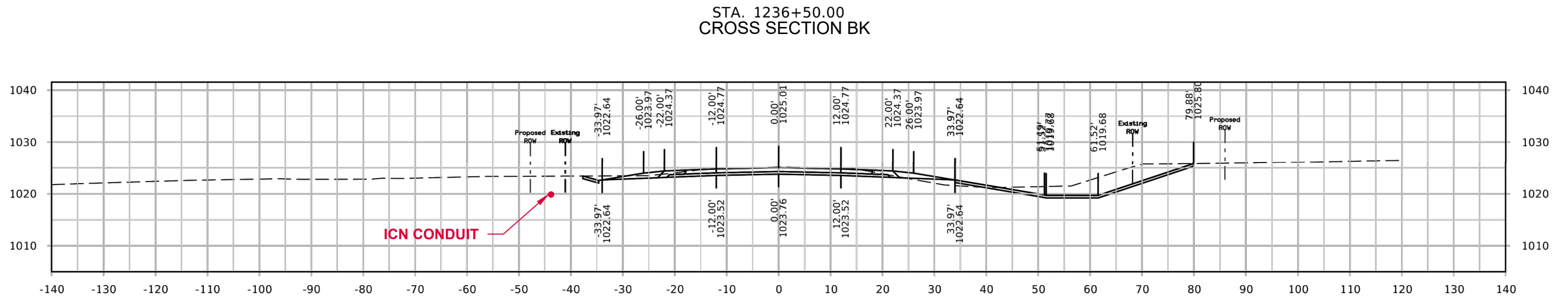
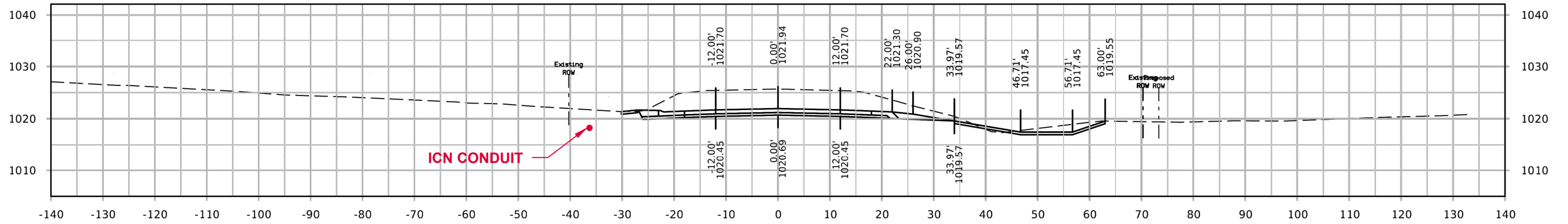
MANCHESTER — DOT HWY 13 RELOCATION		
FIBER INSTALLATION		
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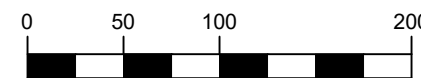
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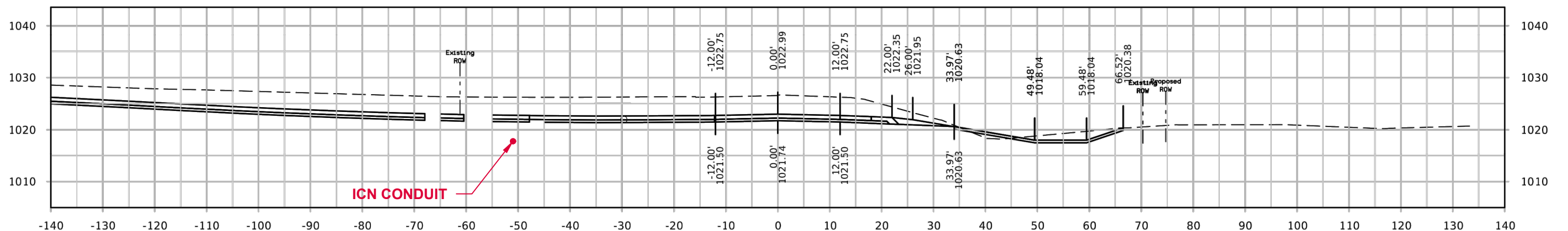
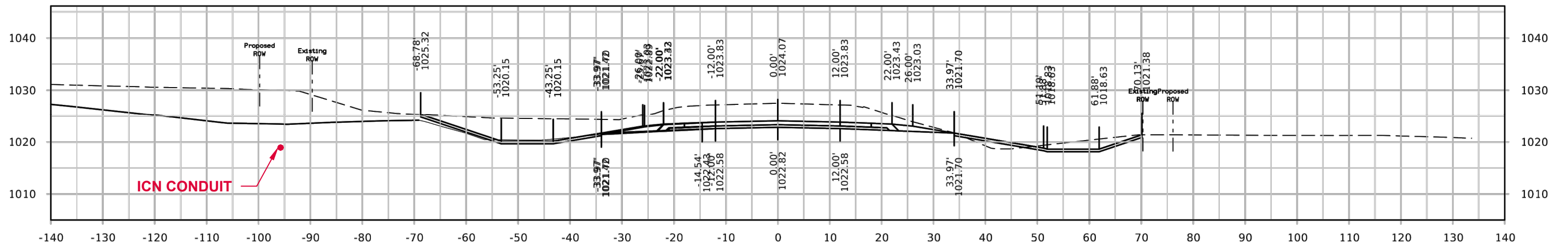
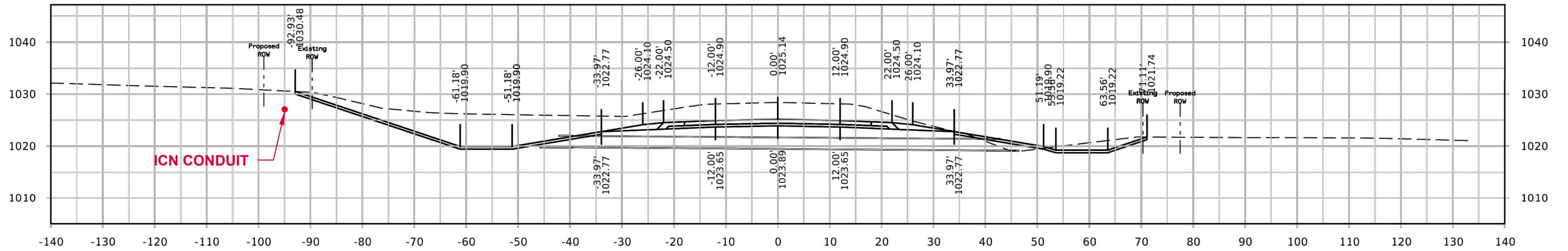
GRAPHIC SCALE



MANCHESTER – DOT HWY 13 RELOCATION		
FIBER INSTALLATION		
1	FOR 60% REVIEW	09/25/2023
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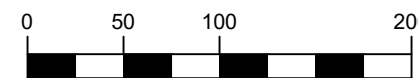
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GRAPHIC SCALE



MANCHESTER — DOT HWY 13 RELOCATION
FIBER INSTALLATION

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