



Form B10025 (03-16)

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

FOR DEPARTMENT USE ONLY

Permit Number 77U-2022-212	Highway Number US 69	County Polk
DOT Project Number IH 5X-69-4(68)--34-77	Expiration/Completion Date 12-21-23	

APPLICANT (INDIVIDUAL OR COMPANY)

First Name Brandon	Middle Initial	Last Name Boyd	Phone Number 973-362-6629	Ext.
Company Name Metronet			Phone Number	Ext.
Street Address 2040 Hull Ave.	City/Town Des Moines		State IA	ZIP Code 50313
e-Mail Address brandon.boyd@metronet.com	Secondary e-Mail Address permitting@newcomtech.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:

Two 1.25" HDPE Conduits & aerial build with a single 432 count and single 48 count fiber optic cable running north along the east side of US Highway 69 (NE 14th Street) starting near the corner of NE Broadway Ave and US Highway 69 entering DOT ROW at STA 325+05; MP 89.022 crossing under I-35 East/West bound then continuing north along US Highway 69 then cross US Highway 69 to the west side of the US Highway 69 branch off running east to cross US Highway 69 then continue north along the west side of US Highway 69 branch off running east to cross US Highway 69 then continue north along US Highway 69 to a power pole entering DOT ROW at STA 501+70; MP 92.525. Please see attached map for details.

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 24/13/14/11/2/35, Twp. 24W **79N/80N**, Range 79N/80N **24W** on Highway No. 69 generally located 9.10 (miles) North (direction) from Polk County Line (city, county line, or other landmark). Work proposed is more specifically located as being from 89.022 (Milepost #) and 325+05 (Highway Station) to 92.525 (Milepost #) and 501+70 (Highway Station) on the Both/Crossing 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/stdpline_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: _____

FOR DEPARTMENT USE ONLY

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

METRONET IS REQUIRED TO PROVIDE US WITH AN AS-BUILT(AS CONSTRUCTED) DESIGN SHEETS**WITHIN 90 DAYS OF INSTALLATION COMPLETION.****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) Jessica Brewbaker-Hills	Agent/Owner (Signature) <i>J. Brewbaker-Hills</i>	Title Permit Coordinator
Name of Owner (Print or Type) Metronet	Date 12/02/2022	
e-Mail Address permitting@newcomtech.com		

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>Aaron Petram</i>	Title <i>County Engineer</i>	Date <i>12/02/22</i>
Type or Print Name <i>Aaron Petram</i>	Authorized Official for the County of <i>Polk</i>	
e-Mail Address <i>aaron.petram@polkcountyiowa.gov</i>		

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: *TNU-2022-212*

Authorized Highway District Representative Jeffrey Cunningham	Signature <i>Jeffrey Cunningham</i>	Date <i>12-21-22</i>
e-Mail Address jeffrey.cunningham@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) Larry Letze	Phone Number 515-265-1614		
Street Address 1530 NE 53rd Ave	City/Town Des Moines	State IA	ZIP Code 50313
e-Mail Address larry.letze@iowadot.us			

Permit Number: _____



District One
Des Moines Area Engineer's Office
2300 SE 17th Street Grimes, IA 50111

December 21, 2022

Permit 77U-2022-212

Metronet
Attn: Brandon Boyd
2040 Hull Avenue
Des Moines, IA 50313

Enclosed is a copy of approved permit number 77U-2022-212 Application and Agreement for use of Highway Right of Way for Installation of 2-1.25" HDPE conduits & aerial build with a single 432ct and a single 48ct fiber optic cable at stations 325+05 to 501+70 on US 69.

Please note the stipulations and changes that we may have made since the permit was submitted.

A copy of this permit must be at the work site at all times while work is in progress.

If you have any
questions, please feel free to call.

Sincerely,

Jeffrey Cunningham

Jeffrey Cunningham
Access\Utility Specialist

Attachments

JC/jc.

Cc: Tami Bailiff, IDOT 800 Lincoln Way Ames IA, 50010
Larry Letze, IDOT 1530 NE 53rd Ave Des Moines IA 50313
Aaron Putnam, Polk County 5885 NW 14th Street Des Moines IA 50313
File

Special Requirements:

All Material or equipment shall be kept 10 feet off the Right of Way during non-working hours.

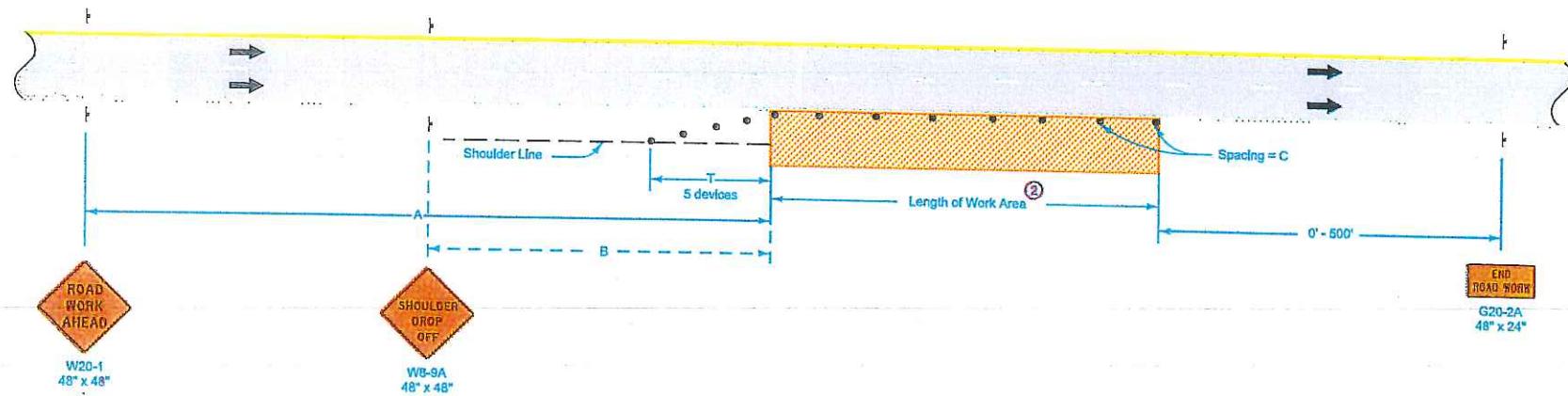
No hole shall remain open within the Right of Way during non-working hours.

Right of Way shall be restored immediately upon completion of project.

No parking on shoulders.

No digging into side slopes of any road or highway shall be allowed.

Proper traffic control shall be used at all times.



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 [1107.08.12](#) 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

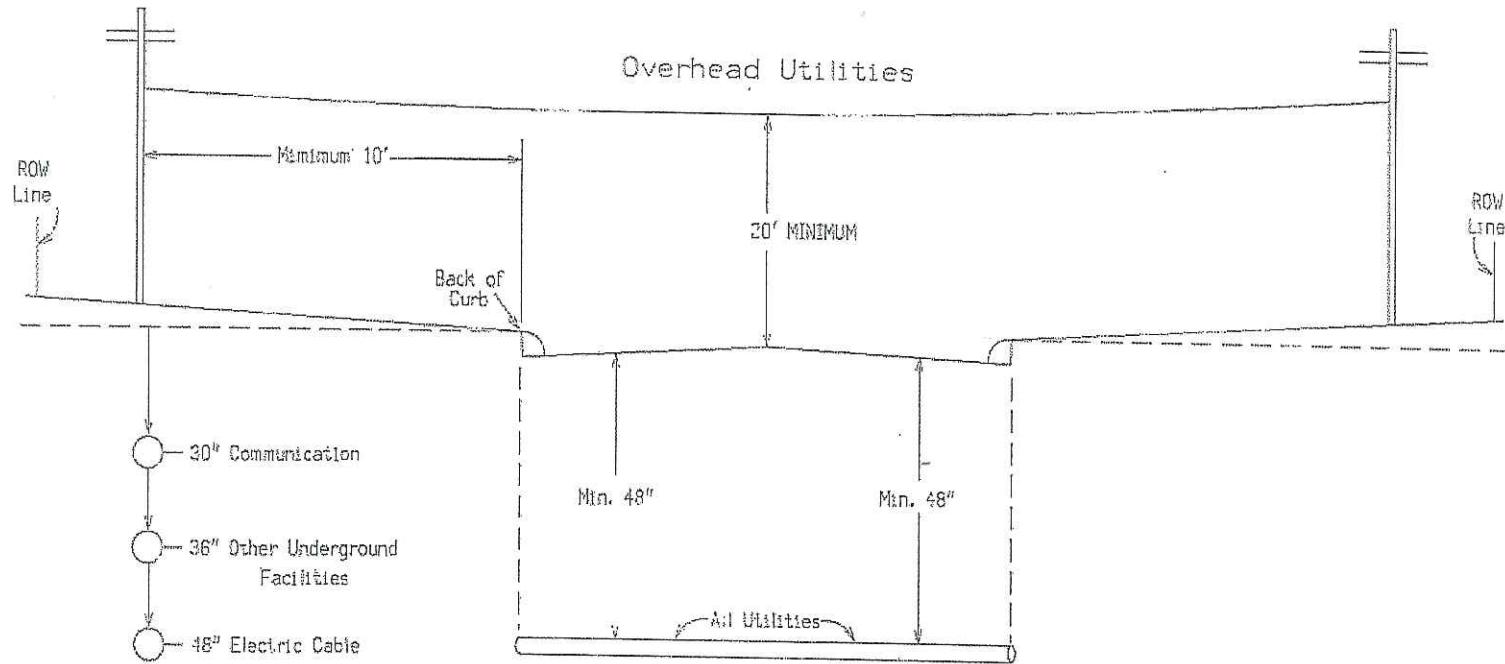
IOWA DOT		REVISION B 04-21-15
STANDARD ROAD PLAN		
TC-402		
SHEET 1 of 1		
REVISONS: Modified general notes, changed title and replaced the DOT logo in the title block with the new version.		
<i>Brian J. Smith</i> APPROVED BY DESIGN METHODS ENGINEER		
WORK WITHIN 15 FT OF TRAVELED WAY		

LEGEND

- ↑ Traffic Sign
- 42" Channelizer
- Work Area
- ← Direction of Traffic

SPEED LIMIT (mph)	A	B	C ②	T
40 or less	500'	250'	40'	100'
45 - 50	700'	350'	80' ①	200'
55 - 60	1500'	500'	100' ①	200'
65 - 70	1500'	500'	100' ①	230'

Minimum Policy Requirements
Urban Section
Non - Freeway Highway



Notes:

Utilities shall be located between back of curb and the highway row.
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).

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.



NewCom
Technologies

PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

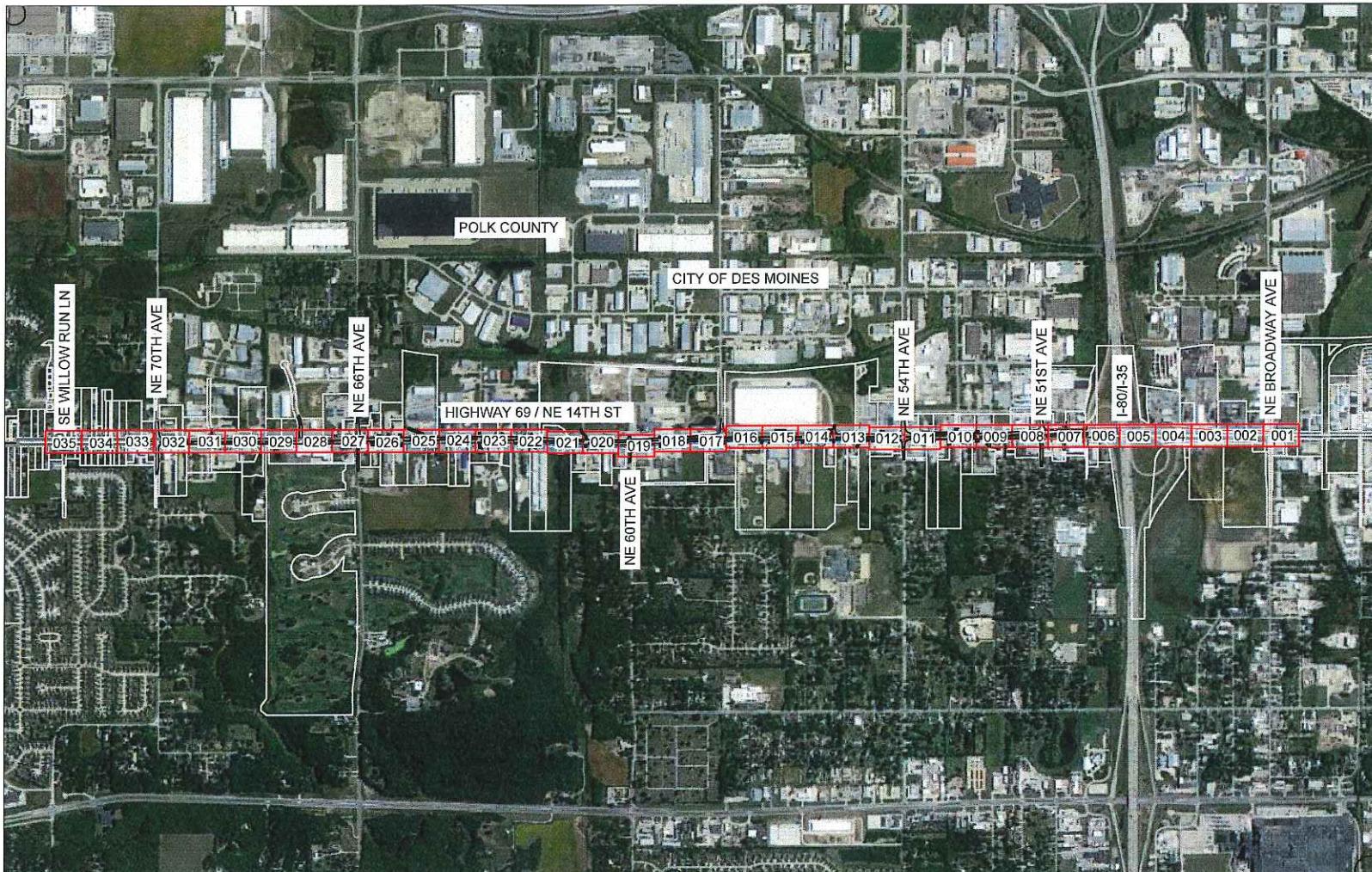
CLARIFICATION NO. QUANTITY

METRONET

HWY 69 - 14TH ST - DOT

PROJECT LOCATION MAP

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SHEET	TITLE
A	COVER
B	GENERAL NOTES AND CONTACTS
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02	PROJECT PLAN VIEW - GRID 002
03	PROJECT PLAN VIEW - GRID 003
04	PROJECT PLAN VIEW - GRID 004
05	PROJECT PLAN VIEW - GRID 005
05A	I-35/I-80 CROSSING DETAIL
06	PROJECT PLAN VIEW - GRID 006
07	PROJECT PLAN VIEW - GRID 007
08	PROJECT PLAN VIEW - GRID 008
08A	NE 51ST AVE CROSSING DETAIL
09	PROJECT PLAN VIEW - GRID 009
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18	PROJECT PLAN VIEW - GRID 018
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31	PROJECT PLAN VIEW - GRID 031
31A	NE 69TH PL CROSSING DETAIL
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34	PROJECT PLAN VIEW - GRID 034
35	PROJECT PLAN VIEW - GRID 035



METRONET

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE
HIGHWAY 69/14TH ST - DOT

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: A BALES

REVISIONS

DATE	DESCRIPTION	INITIAL
11-30-22	FOR PERMIT	AJB

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT,
THIS DRAWING IS THE PROPERTY OF METRONET.
THE PROPERTY OF METRONET, BOTH BEING ISSUED IN STRICT
CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR
USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN
PERMISSION.

SCALE

HORIZONTAL: NON-STANDARD

VERTICAL: NON-STANDARD

MP _____ TO MP _____

SHEET A OF 035

FILE:

ALL PROPOSED WORK UNDER THIS CONTRACT SHALL BE DONE IN ACCORDANCE WITH THE ENSUING NON-INCUSIVE CONDITIONS:

SCOPE OF WORK:

- CONSTRUCTION OF ALL ASSOCIATED ACCESSORIES FOR CONDUIT INSTALLATION. SEE PLAN SHEETS FOR SUMMARY OF PROPOSED IMPROVEMENTS.

ESTIMATE OF MATERIALS: SEE COVER SHEET.

 - THE CONTRACTOR SHALL PROVIDE ALL COMPONENTS NECESSARY TO COMPLETE THE DESCRIBED WORK UNDER THIS CONTRACT INCLUDING MATERIAL, LABOR, EQUIPMENT, INSTALLATION, RESTORATION, JOB SITE DELIVERY COSTS, AND UTILITY RELOCATION CHARGES IF NECESSARY.
 - CHANGE-ORDER REQUESTS MUST BE PRESENTED IN WRITING TO THE OWNER'S REPRESENTATIVE AND APPROVED PRIOR TO PROCEEDING WITH THE REQUESTED CHANGE. DOCUMENTATION CONCERNING ANY AND ALL CHANGE ORDERS WILL BE TREATED AS LEGAL DOCUMENTS AND ARE TO BE FILED WITH THE OWNER'S REPRESENTATIVE FOR FUTURE REFERENCE.
 - THE ENGINEER WILL NOT BE RESPONSIBLE OR LIABLE FOR ERRORS OR NEGIGENT ACTS OF OMISSIONS OF ANY CONTRACTOR, SUBCONTRACTOR, OR ANY OF THE CONTRACTORS' OR SUBCONTRACTORS' EMPLOYEES OR AGENTS OR ANY OTHER PERSONS (EXCLUDING ENGINEER'S OWN EMPLOYEES) AT THE CONSTRUCTION SITE OR OTHERWISE PERFORMING ANY OF THE PROJECT WORK. CONTRACTORS, SUBCONTRACTORS, AND ENGINEERS WILL BE RESPONSIBLE FOR THEIR OWN SAFETY PROGRAM. NEITHER THE PROFESSIONAL ACTION OF THE ENGINEER, NOR THE PRESENCE OF THE ENGINEER OR HIS OR HER EMPLOYEES AND SUBCONSULTANTS AT THE CONSTRUCTION SITE SHALL RELIEVE ANY CONTRACTOR OF HIS OR HER OBLIGATIONS, DUTIES, AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES, OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING, OR COORDINATING ALL PORTIONS OF THE CONSTRUCTION WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THE ENGINEER AND HIS OR HER PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH ANY HEALTH OR SAFETY PRECAUTIONS.

GENERAL NOTES:

1. WORK WILL NOT BE STARTED PRIOR TO PERMIT ACQUISITION. ANY INFORMATION REQUIRED BY STATE, DOT, AND/OR LOCAL MUNICIPALITY SHALL BE PROVIDED BY THE CONTRACTOR TO SECURE ALL PERMITS.
 2. COPIES OF THE PLANS WILL BE SENT TO STATE, DOT, AND/OR LOCAL MUNICIPALITY FOR COMMENTS AND EVALUATION. ANY UTILITY CONFLICTS SHALL BE RESOLVED PRIOR TO OBTAINING PERMITS.
 3. EXISTING RIGHT-OF-WAY SHALL BE VERIFIED TO ENSURE THAT NO WORK WILL TAKE PLACE WITHIN PRIVATE PROPERTY. ALL WORK WITHIN PRIVATE PROPERTY MUST BE FORMALLY APPROVED BY THE LAND OWNER.
 4. THESE DRAWINGS SHALL NOT BE SCALED AND SHALL BE TAKEN FOR GENERAL INFORMATION ONLY. THE SCALE SHOWN ON THE SHEETS IS FOR THE ORIGINAL DOCUMENT SIZE ONLY.
 5. AGENCIES HAVING JURISDICTION OVER PROPOSED WORK SHALL GOVERN THE REQUIREMENTS OF THE CONTRACTOR AND ALL WORK SHALL BE COORDINATED WITH OTHER PROJECTS IN THE AREA PRIOR TO AND DURING THE PROPOSED INSTALLATION.
 6. CONTRACTOR SHALL COORDINATE PROPOSED WORK WITH ALL PRIVATE AND PUBLIC UTILITIES AS WELL AS STATE AND CITY AGENCIES.
 7. CONTRACTOR SHALL OBTAIN ALL NECESSARY EXCAVATION PERMITS.

SAFETY:

- ALL NECESSARY SAFETY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT UTILITIES, WORKERS, PEDESTRIANS, AND VEHICULAR TRAFFIC. PROTECTION SUCH AS TEMPORARY FENCES AND BARRICADES SHALL BE PROVIDED BY THE CONTRACTOR TO PROTECT THE PUBLIC AND PROPERTY DURING ALL PHASES OF CONSTRUCTION.
 - UNFINISHED SURFACE AND OPEN TRENCH LOCATIONS SHALL BE PROTECTED BY DEVICES SUCH AS SIGNAGE, WARNING LIGHTS, TEMPORARY BARRICADES, STEEL PLATES, AND OTHER PROTECTIVE EQUIPMENT 24 HOURS A DAY UNTIL SURFACE IS RESTORED.
 - ENTRANCES TO BUILDINGS, CROSSWALKS, AND GARAGES ARE TO BE MAINTAINED BY THE CONTRACTOR WITH THE USE OF ADA APPROVED RAMPS WHERE NECESSARY. THE GENERAL PUBLIC SHALL BE DIVERTED AWAY FROM THE CONSTRUCTION WORK AREA USING PASSAGeways WHERE NECESSARY, INSTALLED AND DESIGNED BY THE CONTRACTOR.

MATERIALS:

1. ALL INSTALLED MATERIALS WITHIN THE PROJECT AREA SHALL BE IN CONFORMANCE WITH STANDARD RECOMMENDATIONS OF THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) AND THE NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION. IF INSTALLATION TERMINATES INSIDE OF A BUILDING THEN BUILDING OWNER SPECIFICATIONS NEED TO BE CONSIDERED.
 2. CONSTRUCTION MATERIALS ARE TO BE STORED IN AN ORGANIZED MANNER AS TO NOT DISRUPT PEDESTRIANS, OTHER WORKERS, OR CONTRACTORS WORKING UNDER DIFFERENT PERMITS.

EXISTING UTILITIES:

1. THE CONTRACTOR SHALL CONTACT THE LOCAL MUNICIPALITY AT LEAST 2 WORKING DAYS PRIOR TO

ONSTRUCTION TO PROVIDE THE NAME AND NUMBER OF THE PROJECT SUPERINTENDENT IN CASE OF A
WATER EMERGENCY.

- EXISTING CONDITIONS, UTILITIES, AND STRUCTURES SHOWN IN THE PLAN SET ARE BASED ON UTILITY ATLASES AND DRAWINGS BY THE UTILITY COMPANIES AND ARE ASSUMED TO BE CORRECT AND ACCURATE. A SURVEY SHALL BE PERFORMED BY THE CONTRACTOR TO FIELD VERIFY ALL EXISTING CONDITIONS AND STRUCTURES IN THE WORK AREA PRIOR TO THE START OF ANY WORK.

TEST HOLES SHALL BE PERFORMED BY THE CONTRACTOR TO VERIFY THE EXACT LOCATION AND DEPTH OF EXISTING UTILITIES WHERE NECESSARY. ALL TEST HOLES SHALL BE CLEARLY MARKED AND PROPERLY GUARDED FOR THE PROTECTION OF BOTH CONTRACTOR AND PUBLIC. TEST HOLES ARE NOT TO BE LEFT UNATTENDED UNLESS COVERED BY STEEL PLATE APPROVED BY LOCAL GOVERNING BODY OR TEMPORARILY FILLED PRIOR TO FINAL RESTORATION METHOD. NOTE THAT FINAL RESTORATION METHOD OF TEST HOLES IN EXISTING CONCRETE MUST CONFORM TO LOCAL STANDARDS.

OVERHEAD OBSTRUCTION LOCATIONS SHALL ALSO BE VERIFIED PRIOR TO WORK COMMENCING.

811 (OR LOCAL LOCATE EQUIVALENT) SHALL BE CONTACTED BY THE CONTRACTOR 72 BUSINESS HOURS IN ADVANCE OF CONSTRUCTION TO MARK OUT EXISTING UTILITIES NEAR THE PROPOSED EXCAVATION. LOCATIONS OF EXISTING UTILITIES SHOWN IN THE DRAWINGS ARE APPROXIMATE AND MAY NOT ACCURATELY REPRESENT THE EXISTING FIELD CONDITIONS.

ALL EXISTING UTILITIES SHALL BE LOCATED AND MARKED PRIOR TO ANY CONSTRUCTION TAKING PLACE.

EXCAVATION WORK NEAR EXISTING UTILITIES AND STRUCTURES SHALL BE DONE BY HAND.

ALL MAJOR DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE PLAN SET SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEERING CONTRACTOR BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.

AS INSTALLATION PROGRESSES, THE CONTRACTOR SHALL PREPARE RED-LINE DRAWINGS THAT SHOW THE LOCATION AND ELEVATION OF THE PROPOSED INSTALLATION AND ALL EXISTING UTILITIES ENCOUNTERED. UPON COMPLETING THE WORK, THESE RED-LINES SHALL BE SENT TO THE ENGINEERING CONTRACTOR.

WORK.

- EQUIPMENT AND MATERIALS CANNOT BE STORED IN THE PUBLIC ROADWAY UNLESS WRITTEN PERMISSION IS OBTAINED FROM THE CITY, STATE, OR GOVERNING BODY WHERE WORK IS TO BE PERFORMED.

ALL EXCAVATIONS SHALL BE THOROUGHLY INSPECTED BY THE CONTRACTOR PRIOR TO PLACING PROPOSED UTILITIES. ALL EXISTING AND NEWLY INSTALLED UTILITIES SHALL BE INSPECTED PRIOR TO SHORING OR BACKFILLING THE EXCAVATED AREA.

THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING AND REVIEWING ANY SHORING SYSTEMS BEFORE CONSTRUCTION.

THE CONTRACTOR IS TO ASSUME THAT ALL EXISTING CABLES ARE ENERGIZED AND SHALL BE SUPPORTED IN A WAY THAT NO PART OF THE CABLE IS STRESSED.

THE ENGINEERING CONTRACTOR SHALL BE NOTIFIED WHEN NEWLY INSTALLED DUCT PACKAGE DEPTH BELOW THE SURFACE IS GREATER THAN THAT SHOWN IN THE PROFILE DRAWING AND CONSTRUCTION CONTRACTOR SHALL RECORD SUCH ON RED LINE DRAWINGS.

THE ENGINEERING CONTRACTOR SHALL BE NOTIFIED WHEN THE CONTRACTOR IS UNABLE TO OBTAIN THE NECESSARY VERTICAL OR HORIZONTAL CLEARANCE FROM EXISTING UTILITIES, SO THAT THE APPROPRIATE OWNER'S REPRESENTATIVE CAN BE NOTIFIED AND A VARIANCE CAN BE REQUESTED.

RESTORATION:

- CONTRACTOR TO OBTAIN ALL PERMITS AND PAY ALL FEES FOR RESTORATION.

CONTRACTOR SHALL BE RESPONSIBLE FOR CONFORMING TO ANY AND ALL RESTORATION AND CONSTRUCTION STANDARDS SET FOR BY LOCAL GOVERNING BODIES.

CONTRACTOR SHALL BREAK OUT PAVEMENT, SIDEWALK, DRIVEWAY, PARKWAY, CURB AND GUTTER, AND RESTORE TO LASTING CONDITION. CONTRACTOR TO MATCH EXISTING PAVEMENT JOINTS AND COLOR, TEXTURE, AND FINISH OF SIDEWALKS, CURB, AND GUTTER.

ROADWAYS AFFECTED BY THE EXCAVATION SHALL BE RESTORED BASED ON LOCAL GOVERNING AGENCY'S SPECIFICATIONS FOR "REGULATIONS FOR OPENINGS, CONSTRUCTION AND REPAIR IN THE ROADWAY." REPLACEMENT OF EXCAVATED SURFACE AND SURROUNDING AREA SHALL BE DETERMINED BY THE CONTRACTOR, LOCAL GOVERNING AGENCY, OR PRIVATE PROPERTY OWNER.

RESTORATION OF THE AREA AROUND THE PROPOSED INSTALLATION INCLUDES BUT IS NOT LIMITED TO: CONCRETE, BLACK DIRT, SOD, SHRUBS, TREES, BACKFILL, ASPHALT PRIMER, STREET CONCRETE BASE, HOT ROLLED ASPHALT, DRIVEWAY, SIDEWALK, CURB AND GUTTER, ADA RAMPS, AND REINSTALLATION OF SIGNS, TRAFFIC SIGNALS, MAILBOXES, METERS, CITY LIGHTS, TRAFFIC SIGNAL BOXES, BENCHES, CANOPIES, AND PLANTERS.

A PERMIT SHALL BE OBTAINED BY THE CONTRACTOR TO PAVE THE STREET AND/OR SIDEWALK IN THE CONTRACTOR'S NAME. PAVING SHALL BE COMPLETED BY THE CONTRACTOR WITHIN 15 WORKING DAYS OF THE EXCAVATION BACKFILL UNLESS OTHERWISE ARRANGED WITH THE GOVERNING AGENCY IN ADVANCE.

ALL DAMAGED UTILITIES AND STRUCTURES ARE TO BE RESTORED BY THE CONTRACTOR TO THE SATISFACTION OF THE CORRESPONDING OWNER'S REPRESENTATIVE.

PROJECT INFORMATION

SITE NAME: HWY 69 - 14TH ST - DOT

SITE ADDRESS: VARIES

COUNTY: POLK
LATITUDE: VARIES
LONGITUDE: VARIES

PROJECT DESCRIPTION:

1. INSTALLATION OF 2 - 1.25" HDPE CONDUITS AND AERIAL BUILD WITH 432 CT AND 48 CT FIBER OPTIC CABLE ALONG HIGHWAY 69 / NE 14TH ST FROM NE BROADWAY AVE TO NE 72ND AVE.

CONTACTS

POLK COUNTY: 5885 NE 14TH ST
DES MOINES, IA 50313
CONTACT: AARON PUTNAM
OFFICE: (515) 286-3705
EMAIL: publicworks@polkcountyiowa.gov

CITY OF URBANDALE: 3600 86TH STREET
URBANDALE, IA 50322
CONTACT: David McKay, P.E.
OFFICE: (515) 278-3950
EMAIL: engpw@urbandale.org

IOWA DOT DISTRICT 1: 2300 SE 17TH STREET
GRIMES, IOWA 50111
CONTACT: SEAN PASSICK
OFFICE: (515) 986-5476
CELL: (515) 988-1325
EMAIL: sean.passick@iowadot.us

IOWA DOT DISTRICT 1: 2300 SE 17TH STREET
GRIMES, IOWA 50111
CONTACT: JEFF CUNNINGHAM
OFFICE: (515) 986-5461
EMAIL: jeffrey.cunningham@iowadot.us

METRONET: CONTACT: PHIL DAVIS
CELL: (785) 969-2704
EMAIL: phil.davis@metronet.com

NEWCOM TECHNOLOGIES: 6000 GRAND AVENUE
DES MOINES, IOWA 50312
CONTACT: DERRIK HILLS
OFFICE: (515) 633-1524
EMAIL: dhills@newcomtech.com

PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

METRONET
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
HIGHWAY 69 / 14TH ST - DOT
DOT

DATE: 07-19-2022

ENGINEER: NEWCOM TECH

DRAWN BY: A BALES

REVISIONS

DATE	DESCRIPTION	INITIAL
07-19-22	PLANS	AJB

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT,
THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE
PROPERTY OF METRONET, BOTH BEING ISSUED IN STRICT
CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR
USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN
PERMISSION.

SCALE

HORIZONTAL:

VERTICAL:

MP _____ TO MP _____

SHEET _____ C _____ OF _____ 010

FILE:

PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 02+38 (See Sheet 002 of 035)

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: M GIBSON

REVISIONS

DATE DESCRIPTION INITIAL

11-22-22 FOR PERMIT MJG

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT,
THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE
PROPERTY OF METRONET, BOTH BEING ISSUED IN STRICT
CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR
USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN
PERMISSION.

SCALE

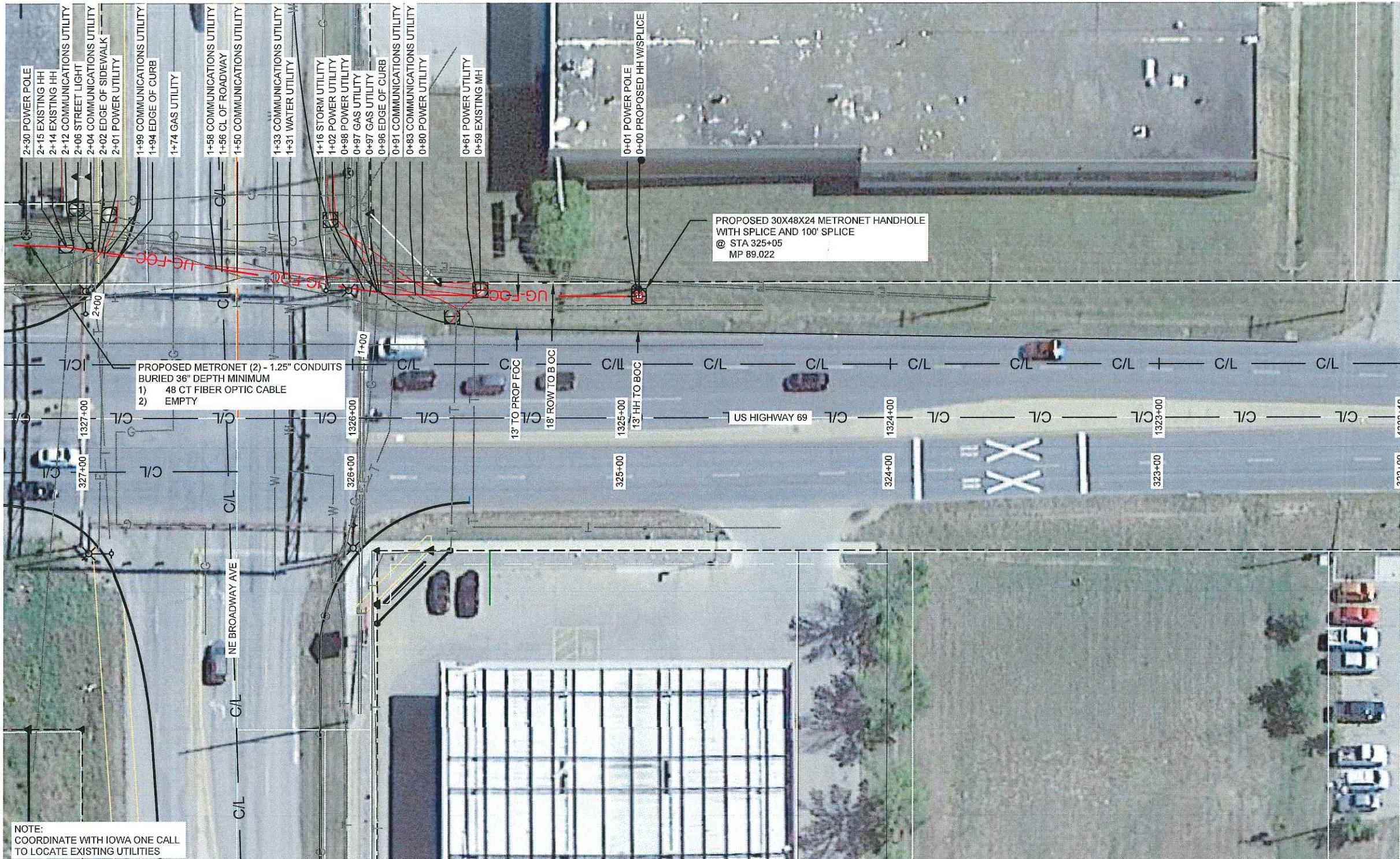
HORIZONTAL: 1:40

VERTICAL: 1:40

MP _____ TO MP _____

SHEET 001 OF 035

FILE: HWY 69 - 14TH ST - DOT



MATCHLINE SURVEY STA. 002+00 (SEE SHEET BEGIN OF 035)

METRONET

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

HIGHWAY 69 / 14TH ST - DOT

PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 12+79 (See Sheet 004 of 035)

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: M GIBSON

REVISIONS

DATE DESCRIPTION INITIAL

11-22-22 FOR PERMIT MJG

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT,
THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE
PROPERTY OF METRONET, BOTH BEING ISSUED IN STRICT
CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR
USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN
PERMISSION.

SCALE

HORIZONTAL: 1:40

VERTICAL: 1:40

MP _____ TO MP _____

SHEET 003 OF 035

FILE: HWY 69 - 14TH ST - DOT



METRONET		
OUTSIDE PLANT CONSTRUCTION		
TITLE: FIBER OPTIC CABLE ROUTE		
HIGHWAY 69 / 14TH ST - DOT DOT		



PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 17+99 (See Sheet 004 of 035)

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE
HIGHWAY 69 / 14TH ST - DOT

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: M GIBSON

REVISIONS

DATE	DESCRIPTION	INITIAL
11-22-22	FOR PERMIT	MJG

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT,
THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE
PROPERTY OF METRONET, BOTH BEING ISSUED IN STRICT
CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR
USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN
PERMISSION.

SCALE

HORIZONTAL: 1:40

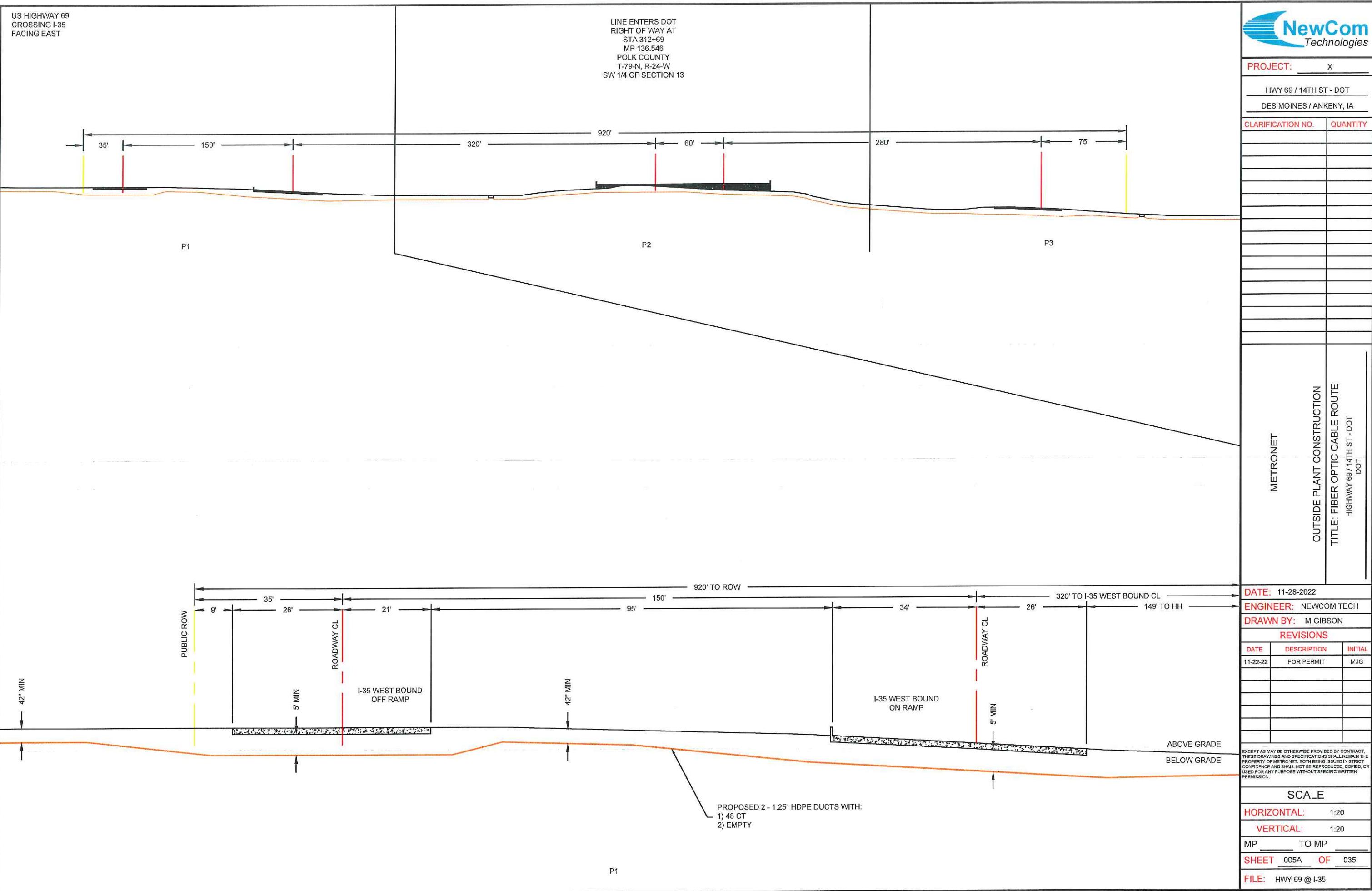
VERTICAL: 1:40

MP _____ TO MP _____

SHEET 005 OF 035

FILE: HWY 69 - 14TH ST - DOT





US HIGHWAY 69
CROSSING I-35
FACING EAST

LINE ENTERS DOT
RIGHT OF WAY AT
STA 312+69
MP 136.546
POLK COUNTY
T-79-N, R-24-W
SW 1/4 OF SECTION 13



PROJECT: _____ X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

SPECIFICATION NO. **QUANTITY**

METRONET

OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
HIGHWAY 68 / 14TH ST - DOT
DOT

DATE: 11-28-2022

ENGINEER: NEWCOM TECH

DRAWN BY: M GIBSON

REVISIONS

REVISIONS		
DATE	DESCRIPTION	INITIAL

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT,
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PROPERTY OF METRONET. BOTH BEING ISSUED IN STRICT
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PERMISSION.

SCALE

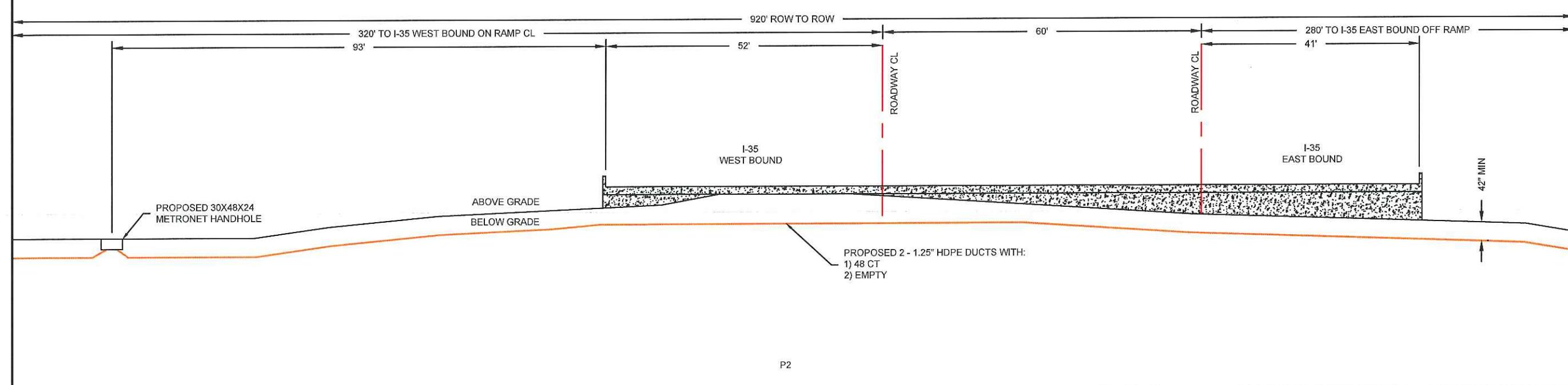
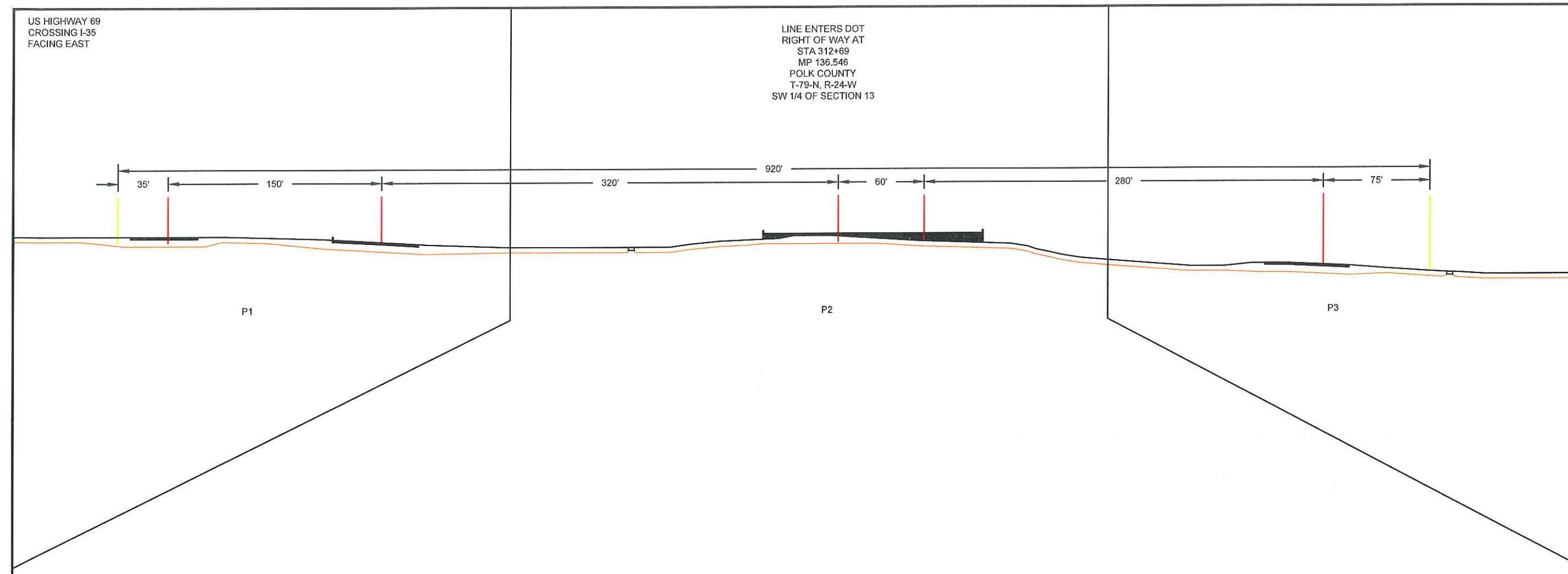
HORIZONTAL 1-82

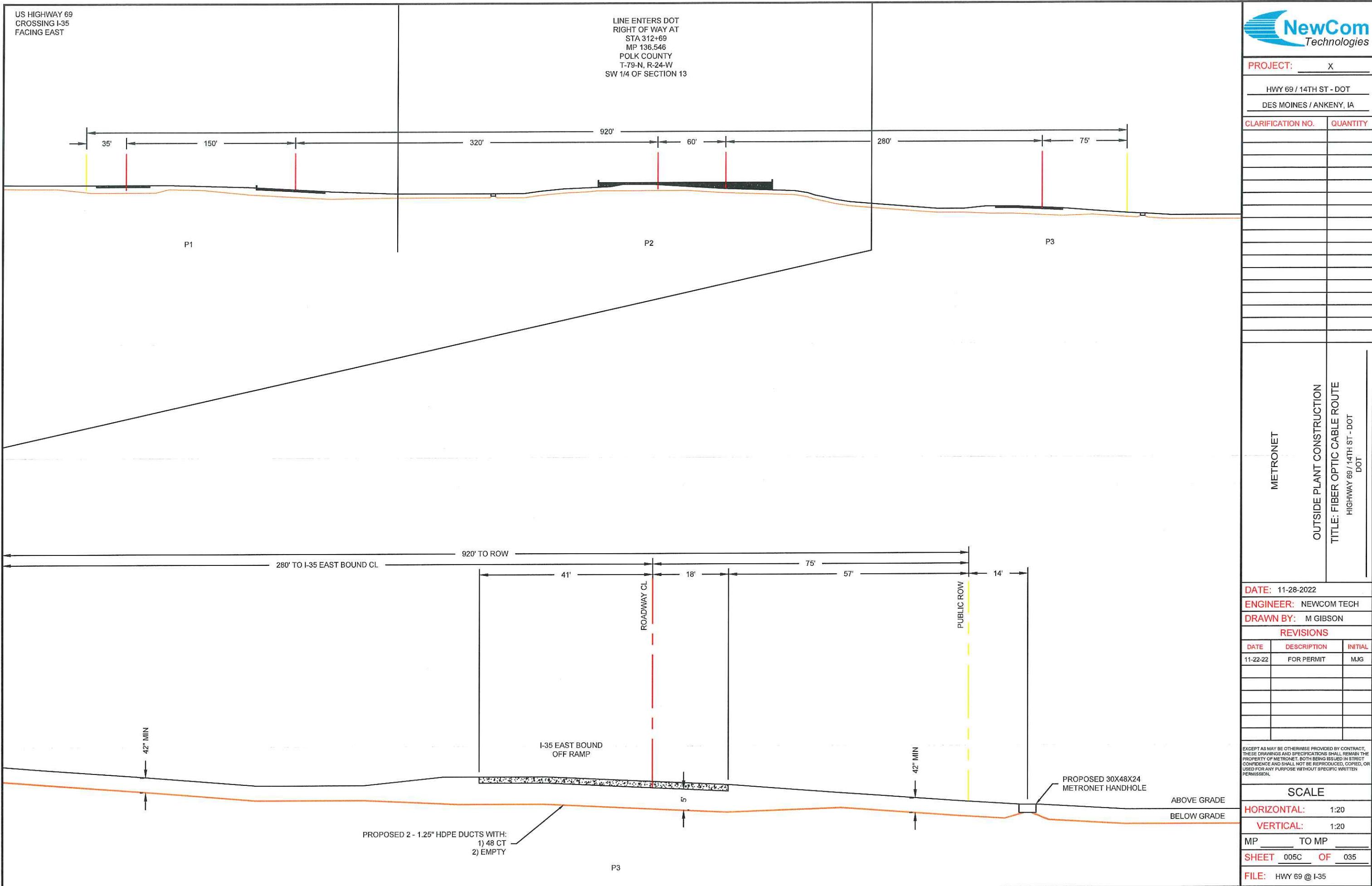
HORIZONTAL:

VERTICAL. 1:20

MP _____ TO MP _____

SHEET 005B OF 035





PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 28+40 (See Sheet 007 of 035)

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: M GIBSON

REVISIONS

DATE	DESCRIPTION	INITIAL
11-22-22	FOR PERMIT	MJG

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT,
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PROPERTY OF METRONET, BOTH BEING ISSUED IN STRICT
CONFIDENCE, AND SHALL NOT BE REPRODUCED, COPIED, OR
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PERMISSION.

SCALE

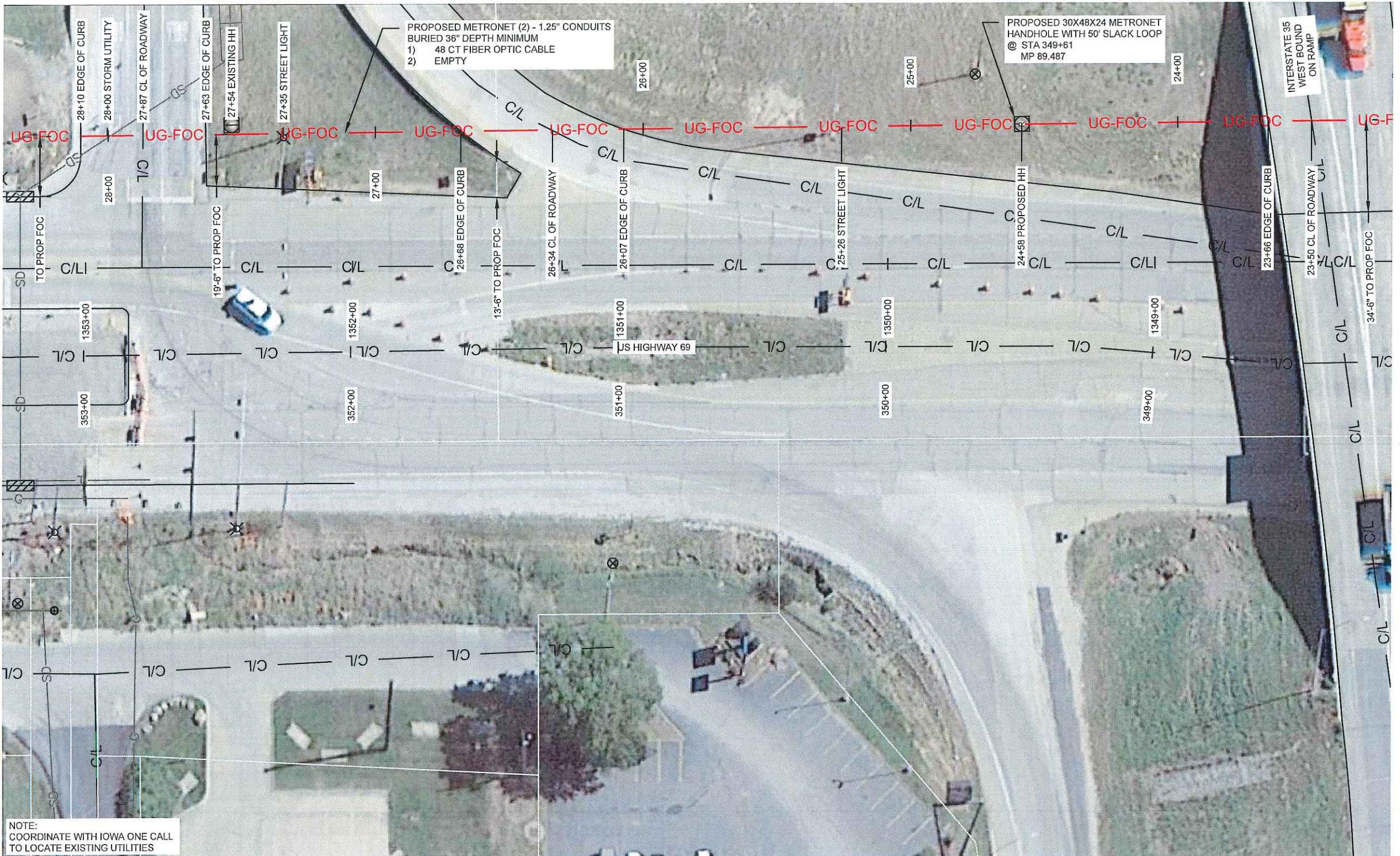
HORIZONTAL: 1:40

VERTICAL: 1:40

MP _____ TO MP _____

SHEET 006 OF 035

FILE: HWY 69 - 14TH ST - DOT



PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 33+60 (See Sheet 008 of 035)

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: M GIBSON

REVISIONS

DATE DESCRIPTION INITIAL

11-22-22 FOR PERMIT MJG

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT,
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PERMISSION.

SCALE

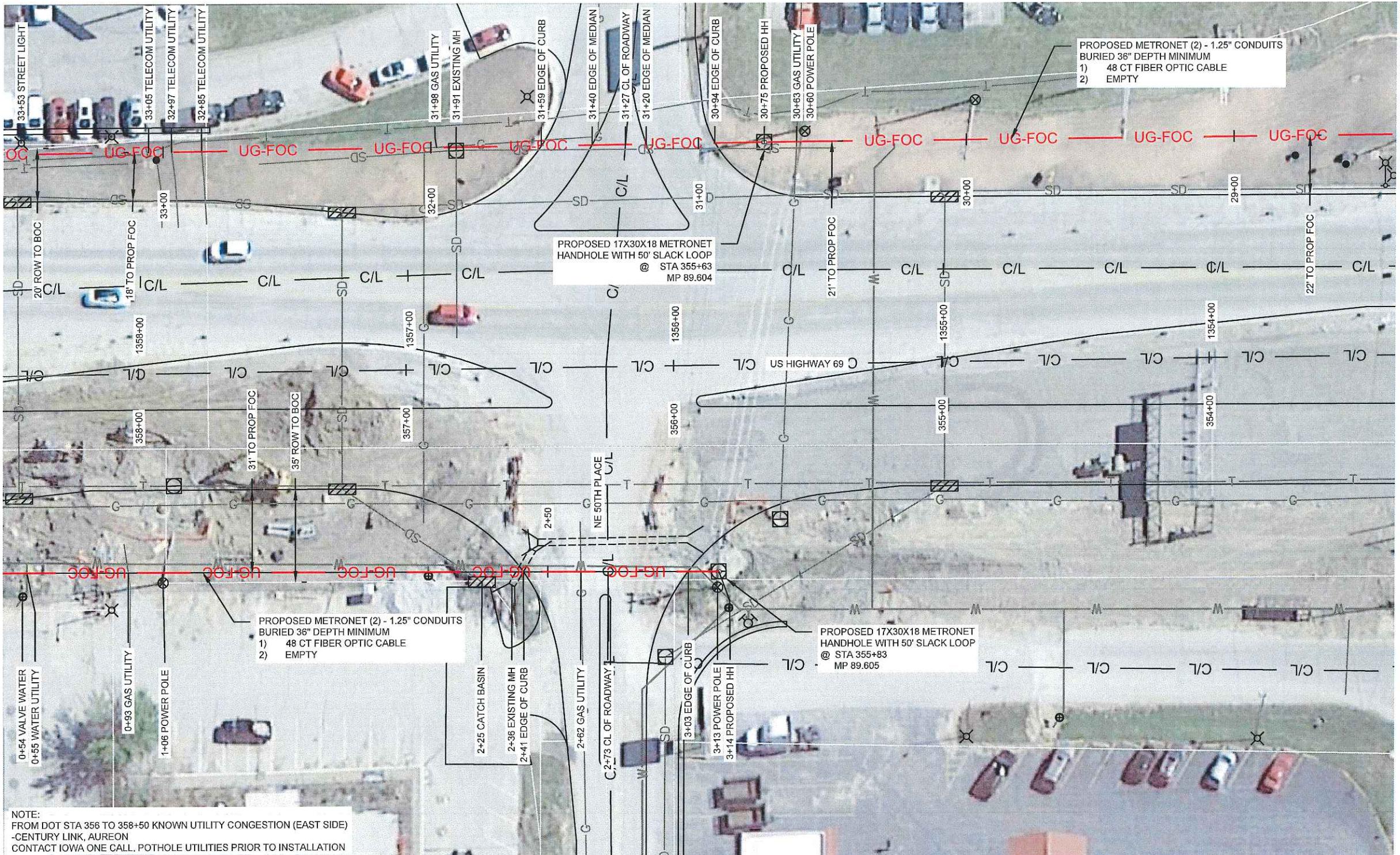
HORIZONTAL: 1:40

VERTICAL: 1:40

MP _____ TO MP _____

SHEET 007 OF 035

FILE: HWY 69 - 14TH ST - DOT



Matchline Survey Sta. 28+40 (See Sheet 006 of 035)

METRONET
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
HIGHWAY 69 / 14TH ST - DOT



PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY,

ANSWERING YOUR QUESTIONS

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ROUTE

INSTRUCTION
CABLE R
ST - DOT

METRON
ANT CO
OPTIC CO
Y 69 / 14TH
DOT

INSIDE PLATE: FIBER
HIGHWA

OUR
TITLE

DATE: 11-10-2022

ENGINEER: NEWCOM TECH
DRAWN BY: M GIBSON
REVISIONS

DATE	DESCRIPTION	INITIAL
11-22-22	FOR PERMIT	MJG

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT,
THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE
PROPERTY OF [REDACTED]

THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE PROPERTY OF METRONET, BOTH BEING ISSUED IN STRICT CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN PERMISSION.

SCALE
HORIZONTAL: 1:40

VERTICAL: 1:40
MP _____ TO MP _____
SHEET 008 **OF** 035

FILE: HWY 69 - 14TH ST - DOT

Matchline Survey Sta. 40+25 (See Sheet 009 of 035)

NOTE:
AT INTERSECTION OF NE 51ST AVE KNOWN UTILITY CONGESTION
-CENTURY LINK, GAS, WATER (2 MAINS), STORM SEWER
CONTACT IOWA ONE CALL - POTHOLE UTILITIES PRIOR TO INSTALLATION

US HIGHWAY 69 CROSSING
FACING NORTH

LINE ENTERS DOT
RIGHT OF WAY AT
STA 358+90
MP 89.663
POLK COUNTY
T-79-N, R-24-W
NW 1/4 OF SECTION 13
NE 1/4 OF SECTION 14



PROJECT:

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

METRONET
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
HIGHWAY 69 / 14TH ST - DOT

DATE: 11-29-2022

ENGINEER: NEWCOM TECH

DRAWN BY: M GIBSON

REVISIONS

DATE	DESCRIPTION	INITIAL
11-29-22	FOR PERMIT	MJG

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT
THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE
PROPERTY OF METRONET, BOTH BEING ISSUED IN STRICT
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PERMISSION.

SCALE

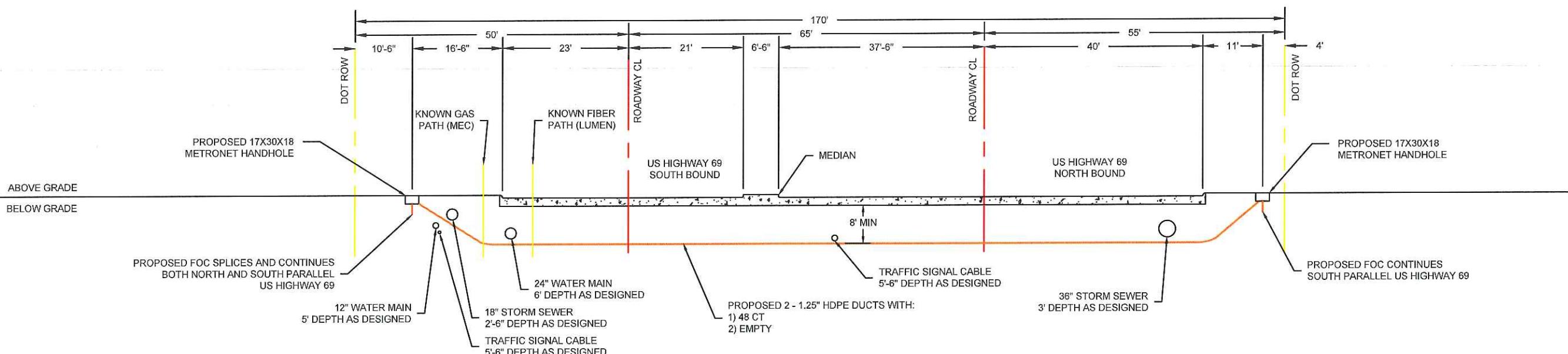
HORIZONTAL: 1:40

VERTICAL: 1:40

MP _____ TO MP _____

SHEET 008A OF 035

FILE: HWY 69 @ NE 51st Ave



NOTE:
UTILITIES SHOWN ON PROFILE ARE SHOWN AT DESIGNED LOCATIONS AS PROVIDED BY
SNYDER AND ASSOCIATES. SHOWN UTILITIES AND OTHER UTILITIES NOT SHOWN ON
PROFILE TO BE LOCATED BY IOWA ONE CALL AND POTHoled TO DETERMINE LOCATION.

PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 45+45 (See Sheet 010 of 035)

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: A BALES

REVISIONS

DATE DESCRIPTION INITIAL

11-30-22 FOR PERMIT AJB

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT,
THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE
PROPERTY OF METRONET, BOTH BEING ISSUED IN STRICT
CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED,
OR USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN
PERMISSION.

SCALE

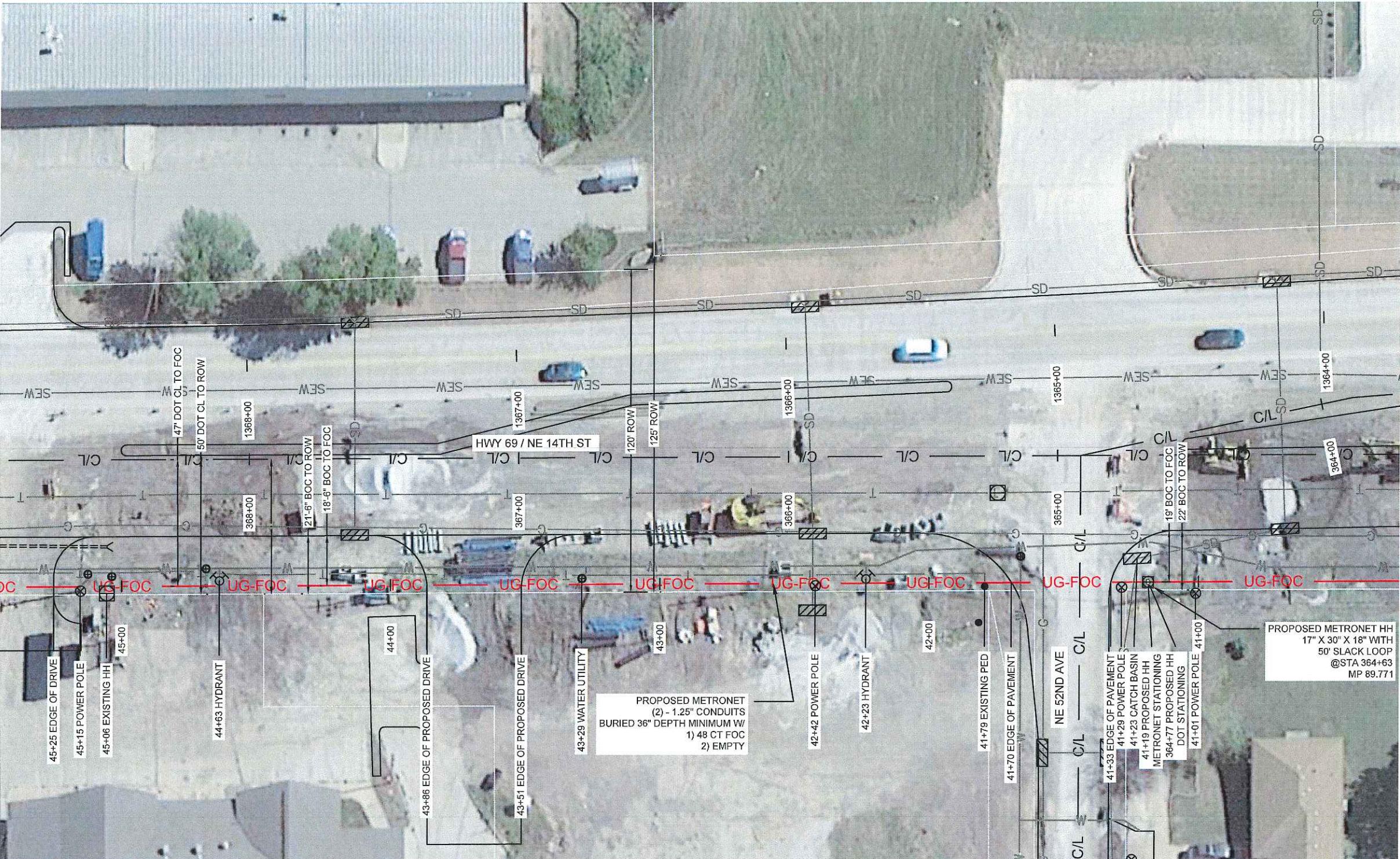
HORIZONTAL: 1:40

VERTICAL: 1:40

MP TO MP

SHEET 009 OF 035

FILE: HWY 69 - 14TH ST - DOT



OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE
HIGHWAY 69 / 14TH ST - DOT
DOT

Matchline Survey Sta. 40+25 (See Sheet 008 of 035)

PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 50+65 (See Sheet 011 of 035)

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: A BALES

REVISIONS

DATE DESCRIPTION INITIAL

11-30-22 FOR PERMIT AJB

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT,
THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE
PROPERTY OF METRONET, BOTH BEING ISSUED IN STRICT
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PERMISSION.

SCALE

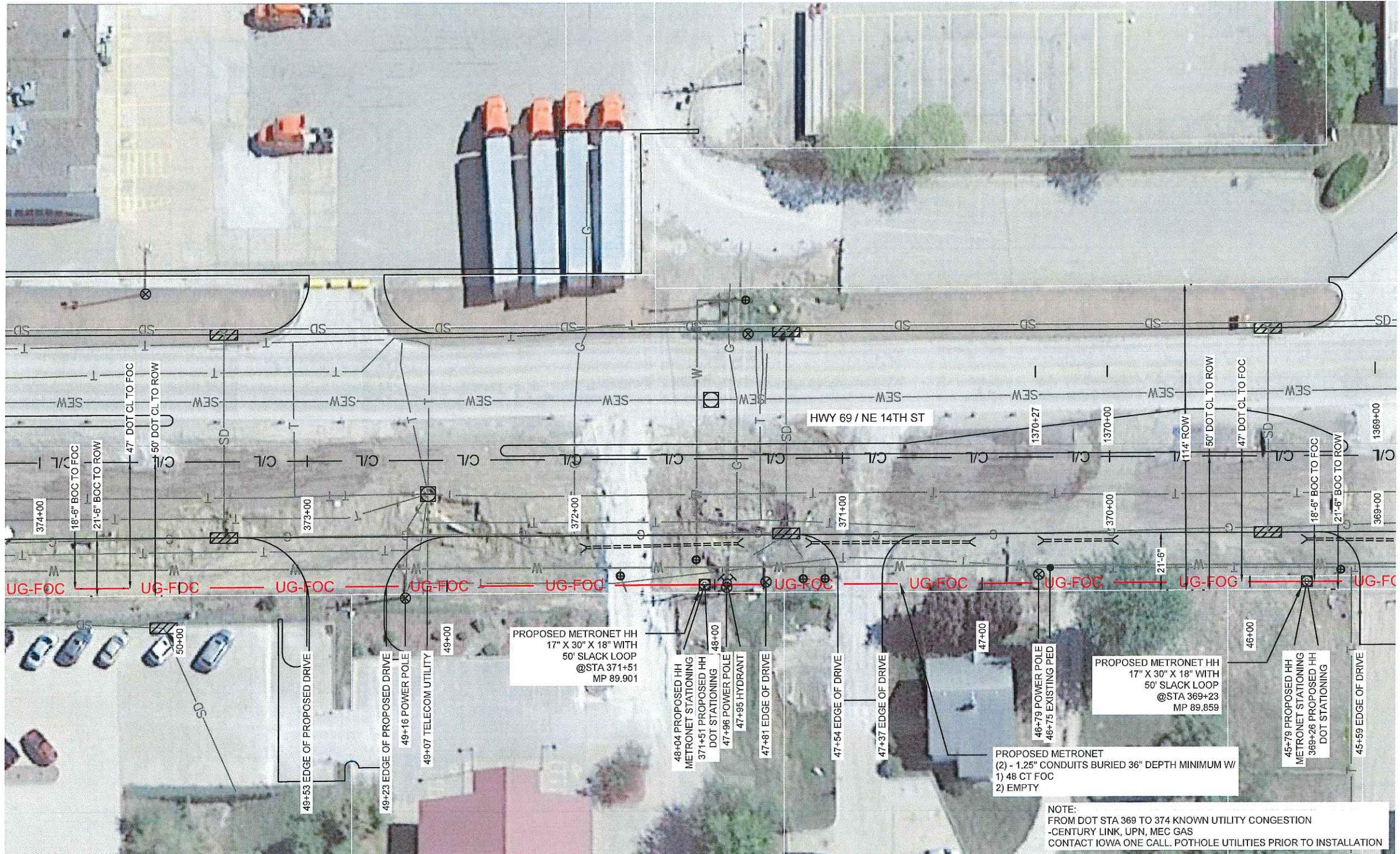
HORIZONTAL: 1:40

VERTICAL: 1:40

MP _____ TO MP _____

SHEET 010 OF 035

FILE: HWY 69 - 14TH ST - DOT





PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

—

-ICATION NO. QUANTITY

**TITLE: FIBER OPTIC CABLE ROUTE
HIGHWAY 69 / 14TH ST - DOT**

HIGHWAY 69 / 14TH ST - DOT
DOT

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: A BALES

REVISIONS

DATE	DESCRIPTION	INITIAL
1-30-22	FOR PERMIT	AJB

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PROPERTY OF METRONET. BOTH BEING ISSUED IN STRICT
CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR
USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN
PERMISSION.

SCALE

HORIZONTAL: 1:40

VERTICAL : 1:40

MP TO MP

SHEET 011 OF 035

卷之三

PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 67+19 (See Sheet 014 of 035)

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: A BALES

REVISIONS

DATE DESCRIPTION INITIAL

11-30-22 FOR PERMIT AJB

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT,
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PROPERTY OF METRONET, BOTH BEING ISSUED IN STRICT
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SCALE

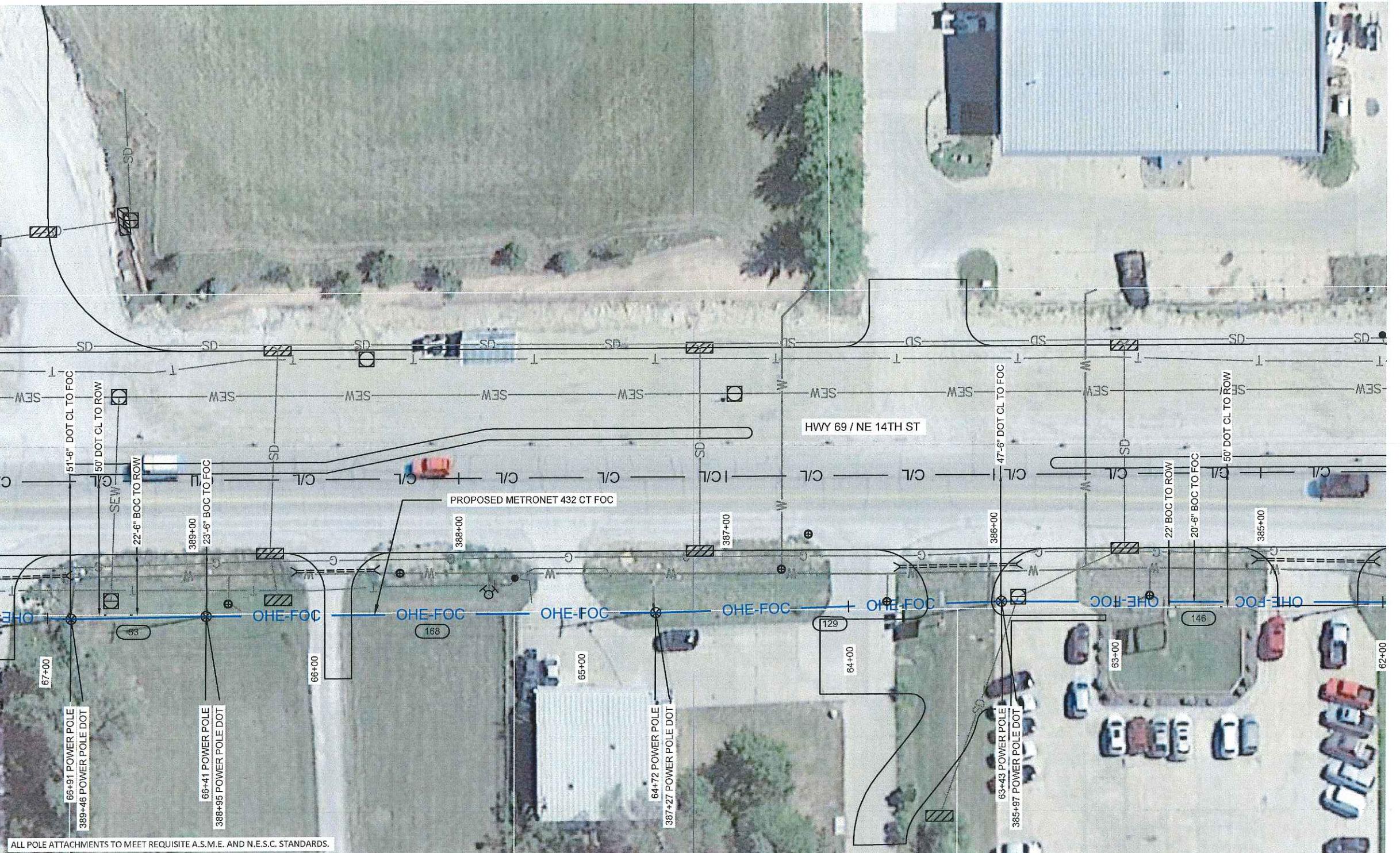
HORIZONTAL: 1:40

VERTICAL: 1:40

MP TO MP

SHEET 013 OF 035

FILE: HWY 69 - 14TH ST - DOT



ALL POLE ATTACHMENTS TO MEET REQUISITE A.S.M.E. AND N.E.S.C. STANDARDS.

Matchline Survey Sta. 67+19 (See Sheet 012 of 035)

METRONET

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

HIGHWAY 69 / 14TH ST - DOT

DOT

PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Machine Survey Sta. 67+19 Sheet 013 of 035

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE
HIGHWAY 69 / 14TH ST - DOT
DOT

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: A BALES

REVISIONS

DATE	DESCRIPTION	INITIAL
11-30-22	FOR PERMIT	AJB

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT,
THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE
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PERMISSION.

SCALE

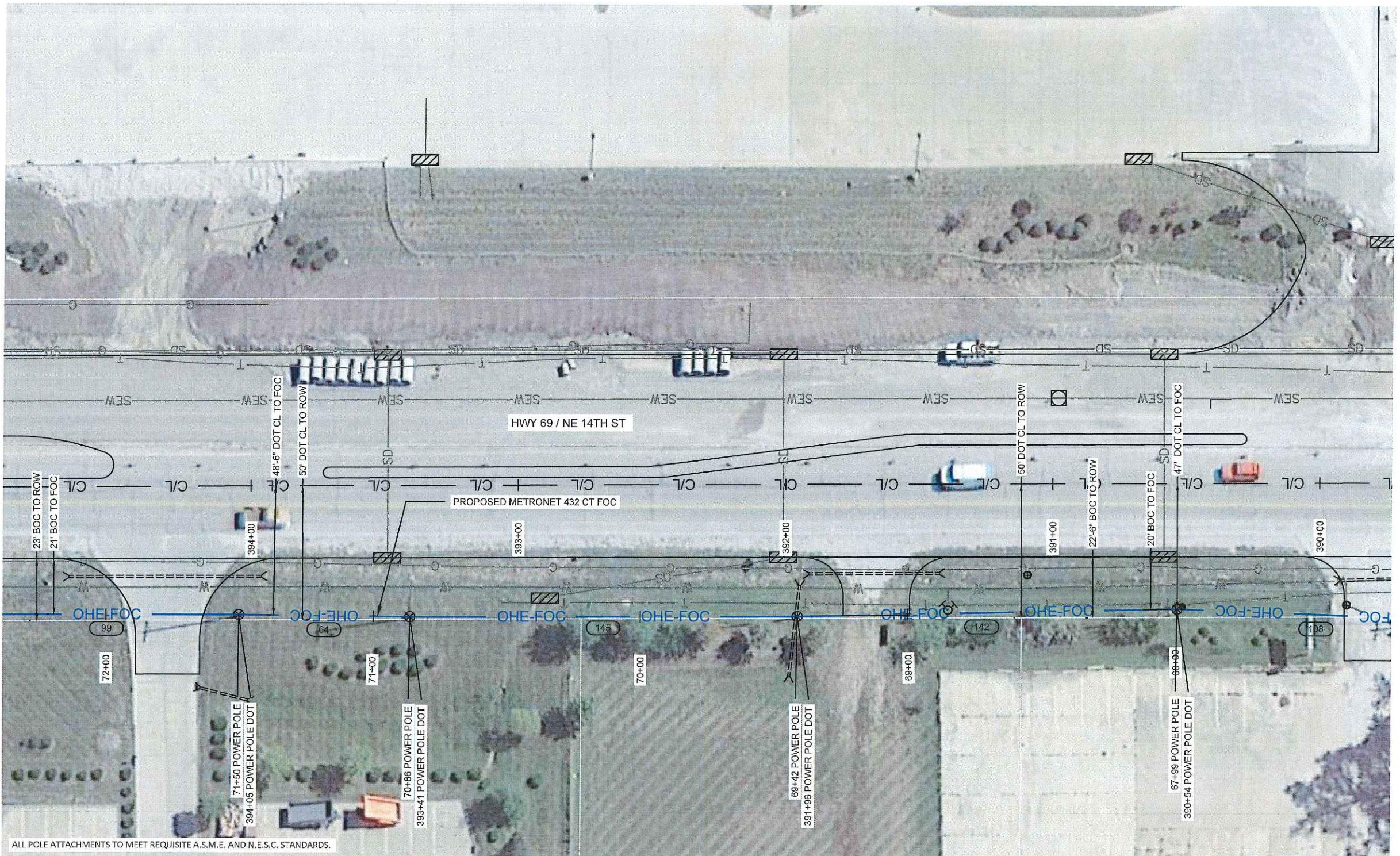
HORIZONTAL: 1:40

VERTICAL: 1:40

MP _____ TO MP _____

SHEET 014 OF 035

FILE: HWY 69 - 14TH ST - DOT



PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 77+59 (See Sheet 016 of 035)

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: A BALES

REVISIONS

DATE DESCRIPTION INITIAL

11-30-22 FOR PERMIT AJB

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT,
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PROPERTY OF METRONET, BOTH BEING ISSUED IN STRICT
CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR
USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN
PERMISSION.

SCALE

HORIZONTAL: 1:40

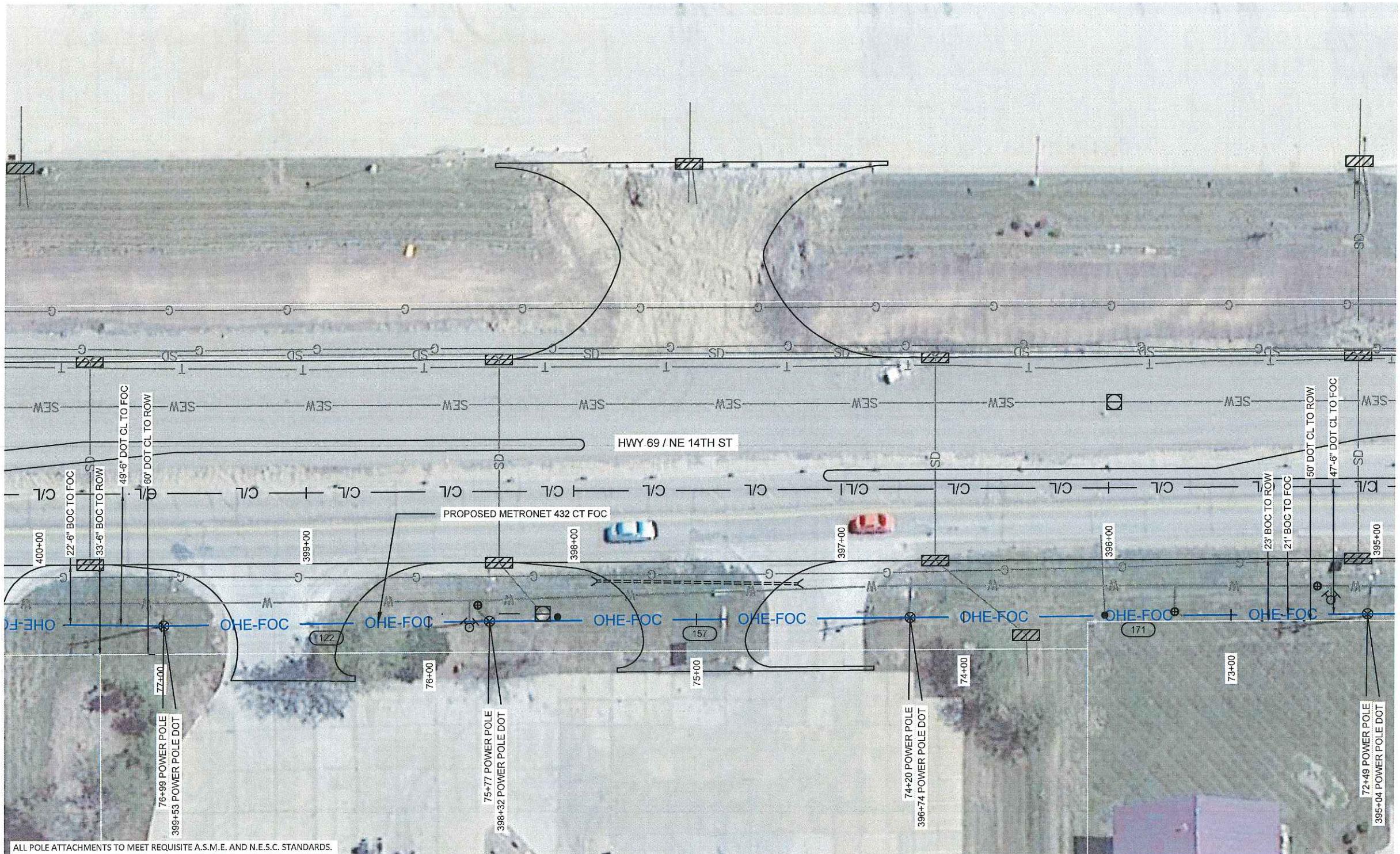
VERTICAL: 1:40

MP TO MP

SHEET 015 OF 035

FILE: HWY 69 - 14TH ST - DOT

Metric Survey Sta. 72+39 (See Sheet 014 of 035)
 OUTSIDE PLANT CONSTRUCTION
 TITLE: FIBER OPTIC CABLE ROUTE
 HIGHWAY 69 / 14TH ST - DOT



PROJECT: X

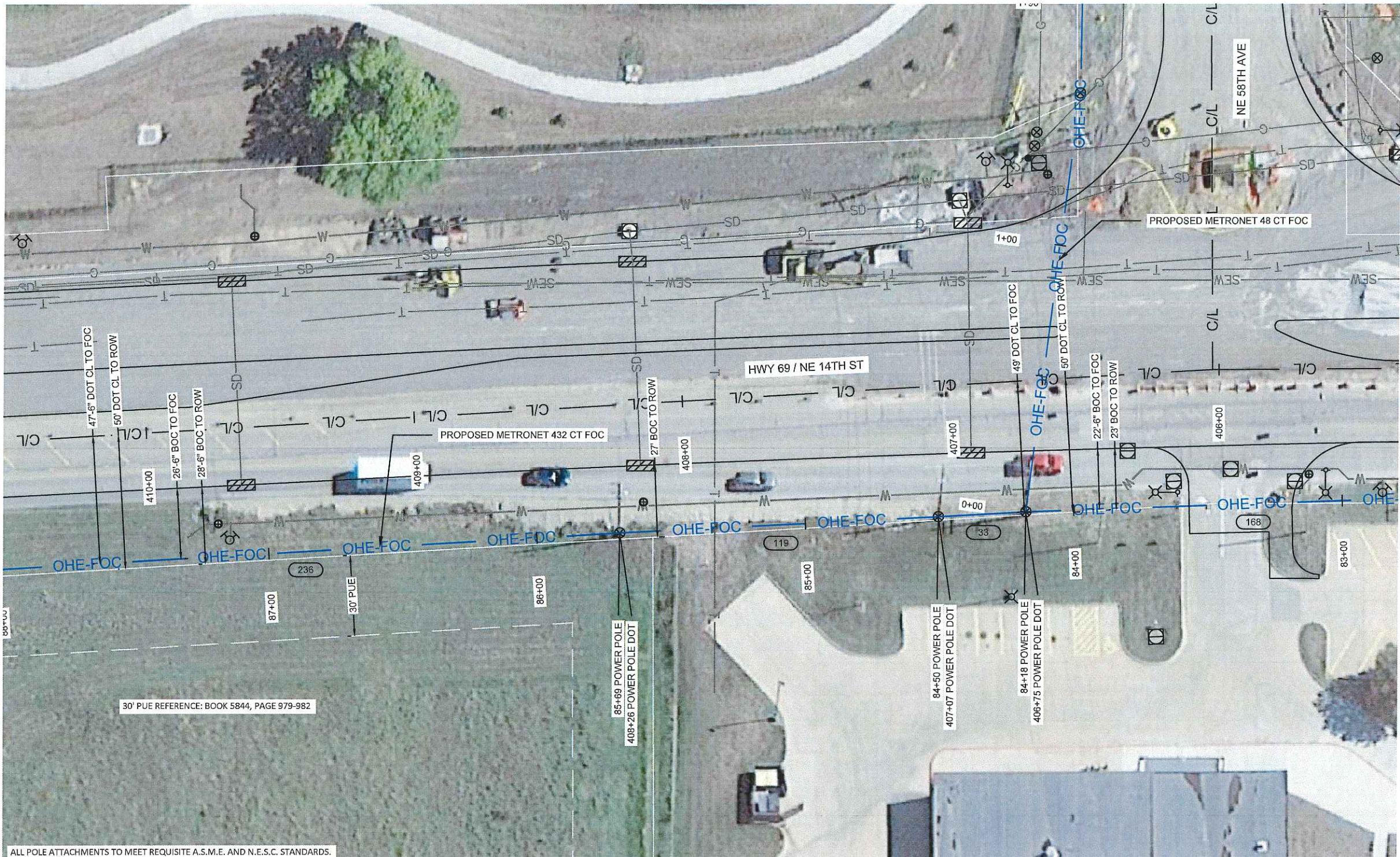
HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY



Matchline Survey Sta. 1+90 (See Sheet END of 035)



CROSSING OF NE 14TH ST / US HWY 69
AT NE 58TH AVE
POLK COUNTY IOWA
FACING NORTH

LINE CROSSES DOT
RIGHT OF WAY AT
MP 90.569
STA 406+66
POLK COUNTY
T-79-N, R-24-W
NW 1/4 OF SECTION 11 &
T-79N, R-24-W
NE 1/4 OF SECTION 12

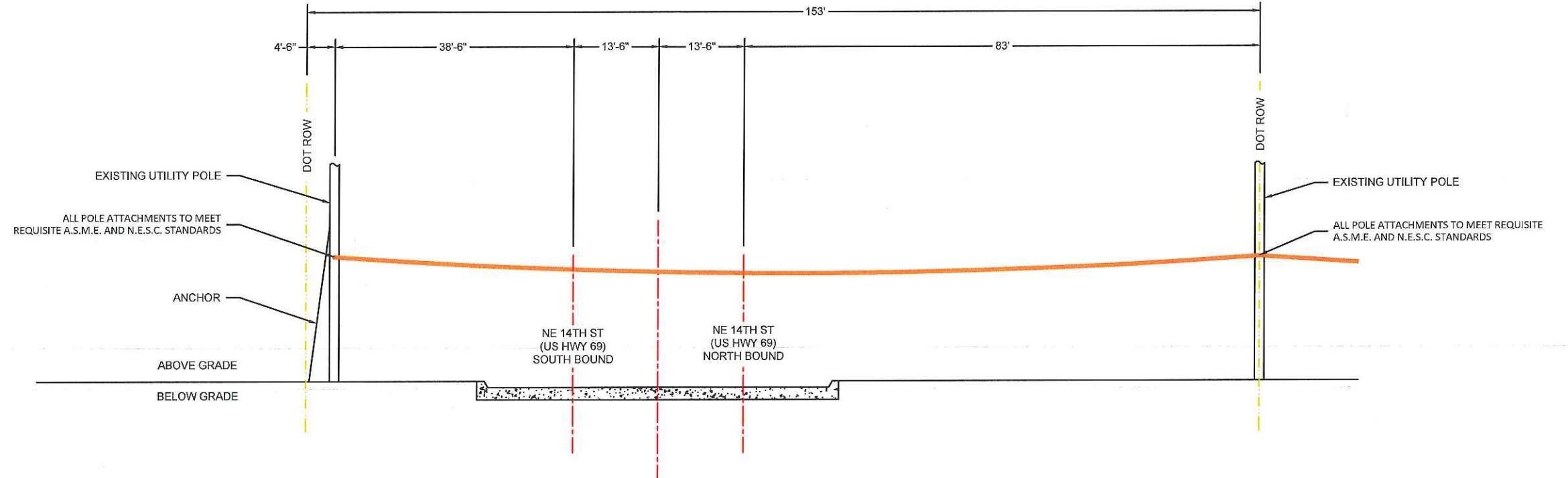


PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY



SEE SHEET 17

EXCEPT AS MAY BE OTHERWISE PROVIDED BY CONTRACT,
THESE DRAWINGS AND SPECIFICATIONS SHALL REMAIN THE
PROPERTY OF THE CONTRACTOR AND SHALL NOT BE
CONFIDENTIAL AND SHALL NOT BE REPRODUCED, COPIED, OR
USED FOR ANY PURPOSE WITHOUT SPECIFIC WRITTEN
PERMISSION.

SCALE

HORIZONTAL: 1:10

VERTICAL: 1:10

MP _____ TO MP _____

SHEET 017A OF 035

FILE: HWY 69 - 14TH ST - DOT

METRONET

OUTSIDE PLANT CONSTRUCTION
HIGHWAY 69 / 14TH ST - DOT
DOT

TITLE: FIBER OPTIC CABLE ROUTE

DATE: 11-30-2022

ENGINEER: NEWCOM TECH

DRAWN BY: A BALES

REVISIONS

DATE	DESCRIPTION	INITIAL
11-30-22	FOR PERMIT	AJB



PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 93+20 (See Sheet 019 of 035)

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: A BALES

REVISIONS

DATE	DESCRIPTION	INITIAL
11-30-22	FOR PERMIT	AJB

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SCALE

HORIZONTAL: 1:40

VERTICAL: 1:40

MP _____ TO MP _____

SHEET 018 OF 035

FILE: HWY 69 - 14TH ST - DOT

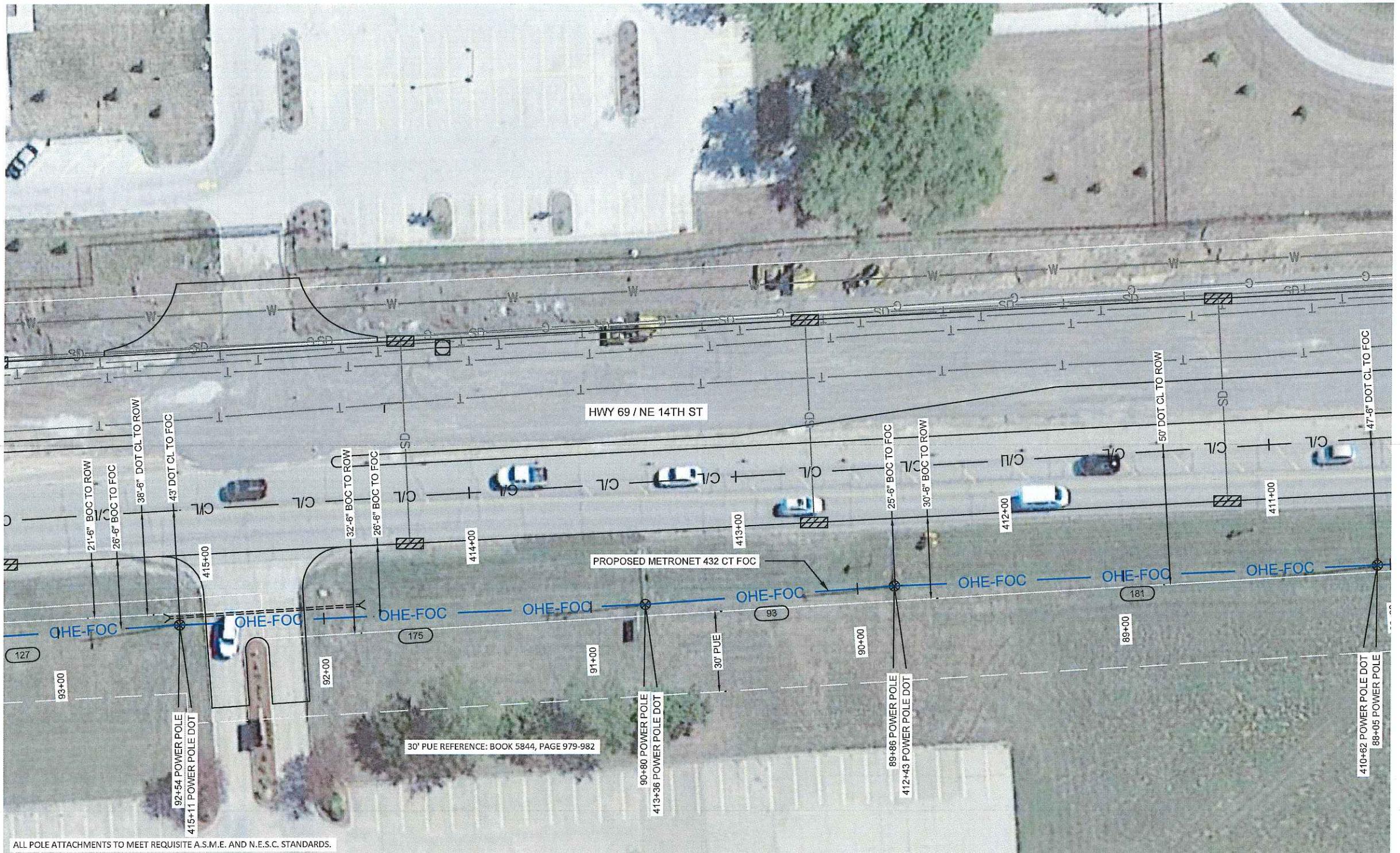
MATCHLINE SURVEY STA. 88+80 (SEE SHEET 017 OF 035)

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

HIGHWAY 69 / 14TH ST - DOT

METRONET



PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 105+64 (See Sheet 021 of 035)

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: A BALES

REVISIONS

DATE	DESCRIPTION	INITIAL
11-30-22	FOR PERMIT	AJB

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PERMISSION.

SCALE

HORIZONTAL: 1:40

VERTICAL: 1:40

MP _____ TO MP _____

SHEET 020 OF 035

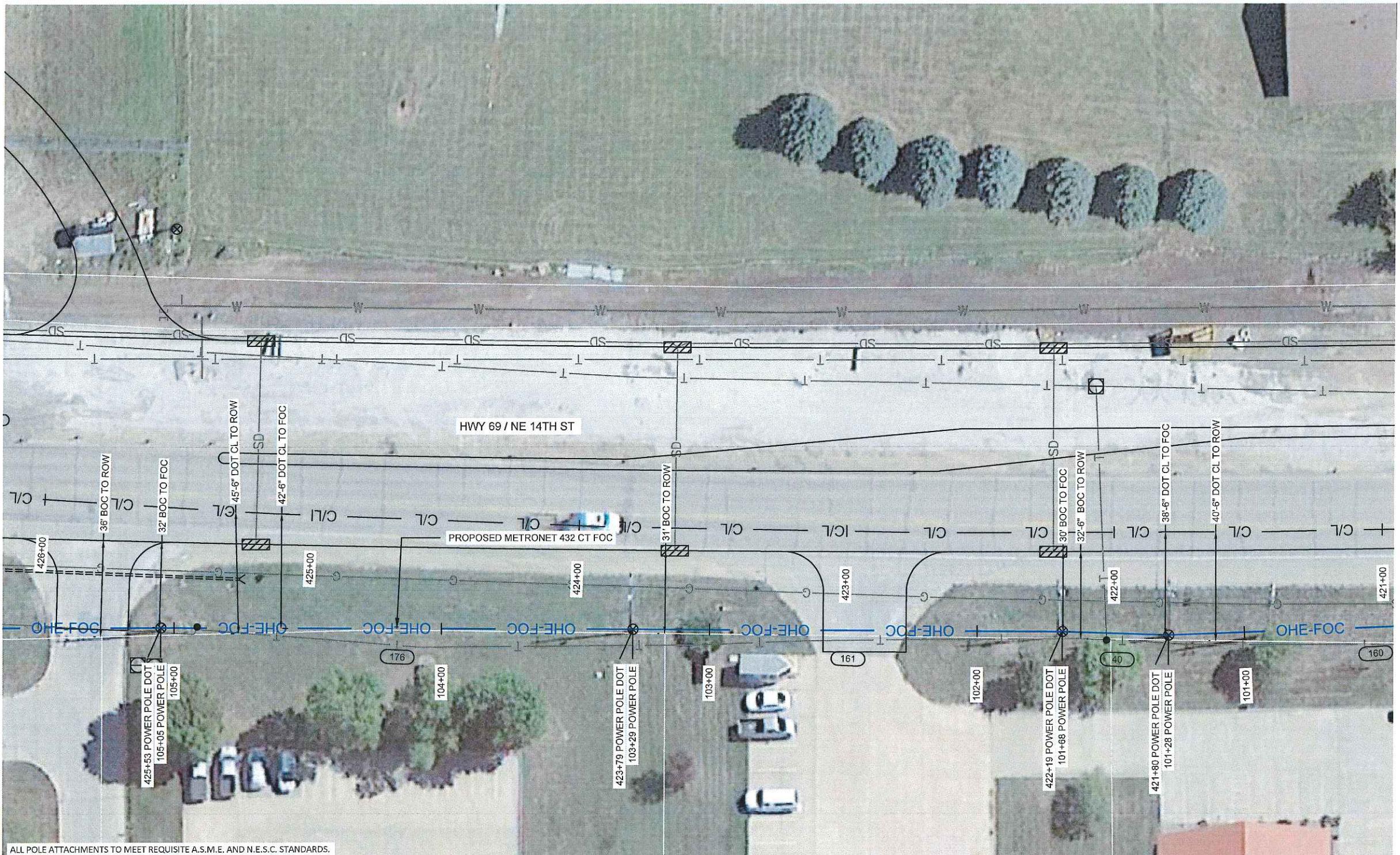
FILE: HWY 69 - 14TH ST - DOT

MATCHLINE SURVEY STA 100+44 (SEE SHEET 019 OF 035)

TITLE: FIBER OPTIC CABLE ROUTE
HIGHWAY 69 / 14TH ST - DOT

OUTSIDE PLANT CONSTRUCTION

METRONET



PROJECT:

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 116-07 (See Sheet 023 of 035)

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: A BALES

REVISIONS

DATE DESCRIPTION INITIAL

11-30-22 FOR PERMIT AJB

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PERMISSION.

SCALE

HORIZONTAL: 1:40

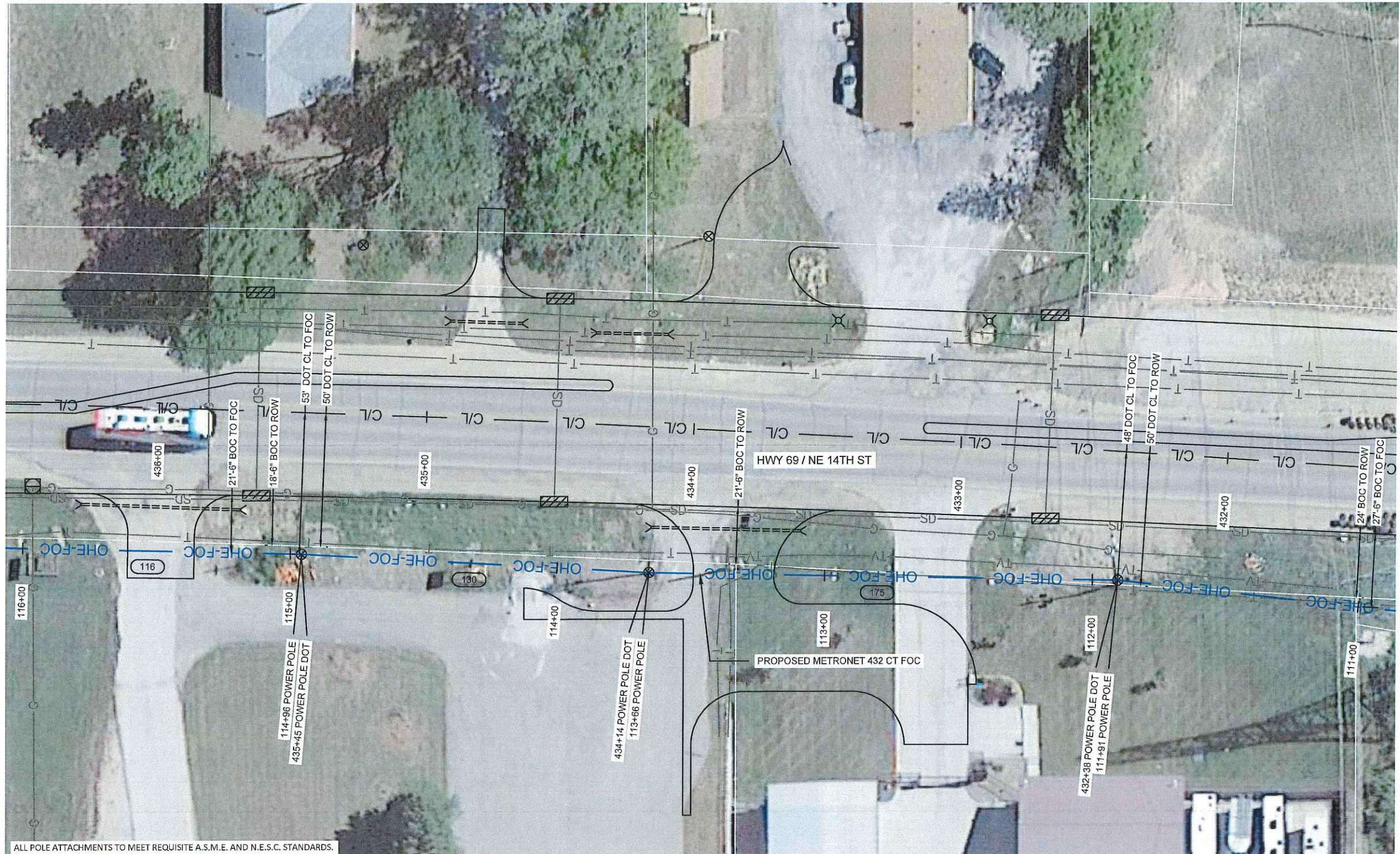
VERTICAL: 1:40

MP TO MP

SHEET 022 OF 035

FILE: HWY 69 - 14TH ST - DOT

MATCHLINE SURVEY STA. 116-086 (SEE SHEET 021 OF 035)
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
HIGHWAY 69 / 14TH ST - DOT
DOT



PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Metchine Survey Sta 121+27 (See Sheet 033 of 035)

OUTSIDE PLANT CONSTRUCTION

HIGHWAY 69 / 14TH ST - DOT

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: A BALES

REVISIONS

DATE	DESCRIPTION	INITIAL
11-30-22	FOR PERMIT	AJB

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PERMISSION.

SCALE

HORIZONTAL: 1:40

VERTICAL: 1:40

MP TO MP

SHEET 024 OF 035

FILE: HWY 69 - 14TH ST - DOT



Matchline Survey Sta. 126+47 (See Sheet 025 of 035)

PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 131+67 (See Sheet 026 of 035)

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: A BALES

REVISIONS

DATE DESCRIPTION INITIAL

11-30-22 FOR PERMIT AJB

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 CONFIDENCE AND SHALL NOT BE REPRODUCED, COPIED, OR
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SCALE

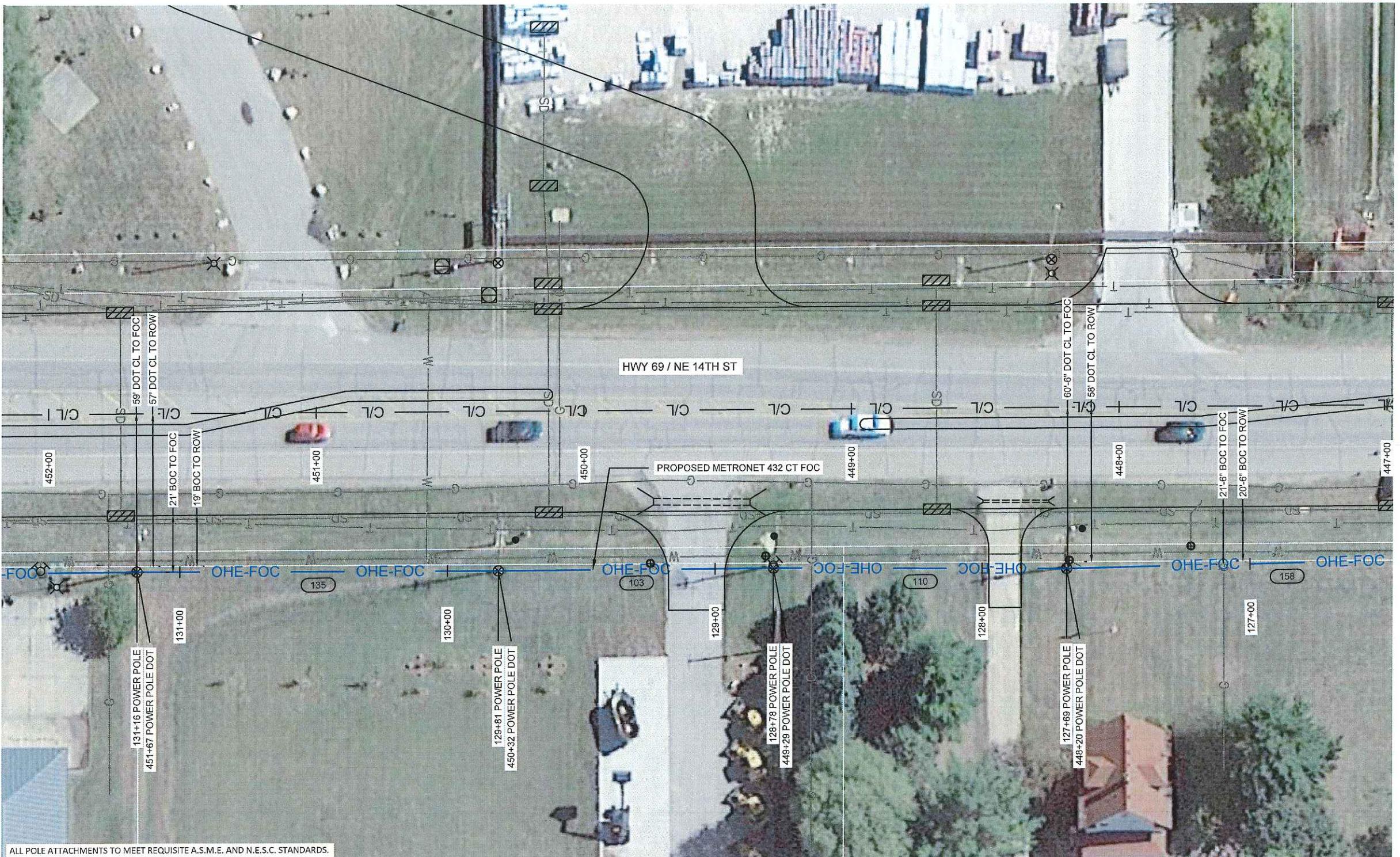
HORIZONTAL: 1:40

VERTICAL: 1:40

MP _____ TO MP _____

SHEET 025 OF 035

FILE: HWY 69 - 14TH ST - DOT



OUTSIDE PLANT CONSTRUCTION
 TITLE: FIBER OPTIC CABLE ROUTE
 HIGHWAY 69 / 14TH ST - DOT

PROJECT: HWY 69 / 14TH ST - DOT X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. _____ QUANTITY _____

Matchline Survey Sta. 137+12 (See Sheet 027 of 035)

 OUTSIDE PLANT CONSTRUCTION
 TITLE: FIBER OPTIC CABLE ROUTE
 HIGHWAY 69 / 14TH ST - DOT
 DOT

METRONET

OUTSIDE PLANT CONSTRUCTION

 DATE: 11-10-2022
 ENGINEER: NEWCOM TECH
 DRAWN BY: A BALES

REVISIONS

 DATE DESCRIPTION INITIAL
 11-30-22 FOR PERMIT AJB

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SCALE

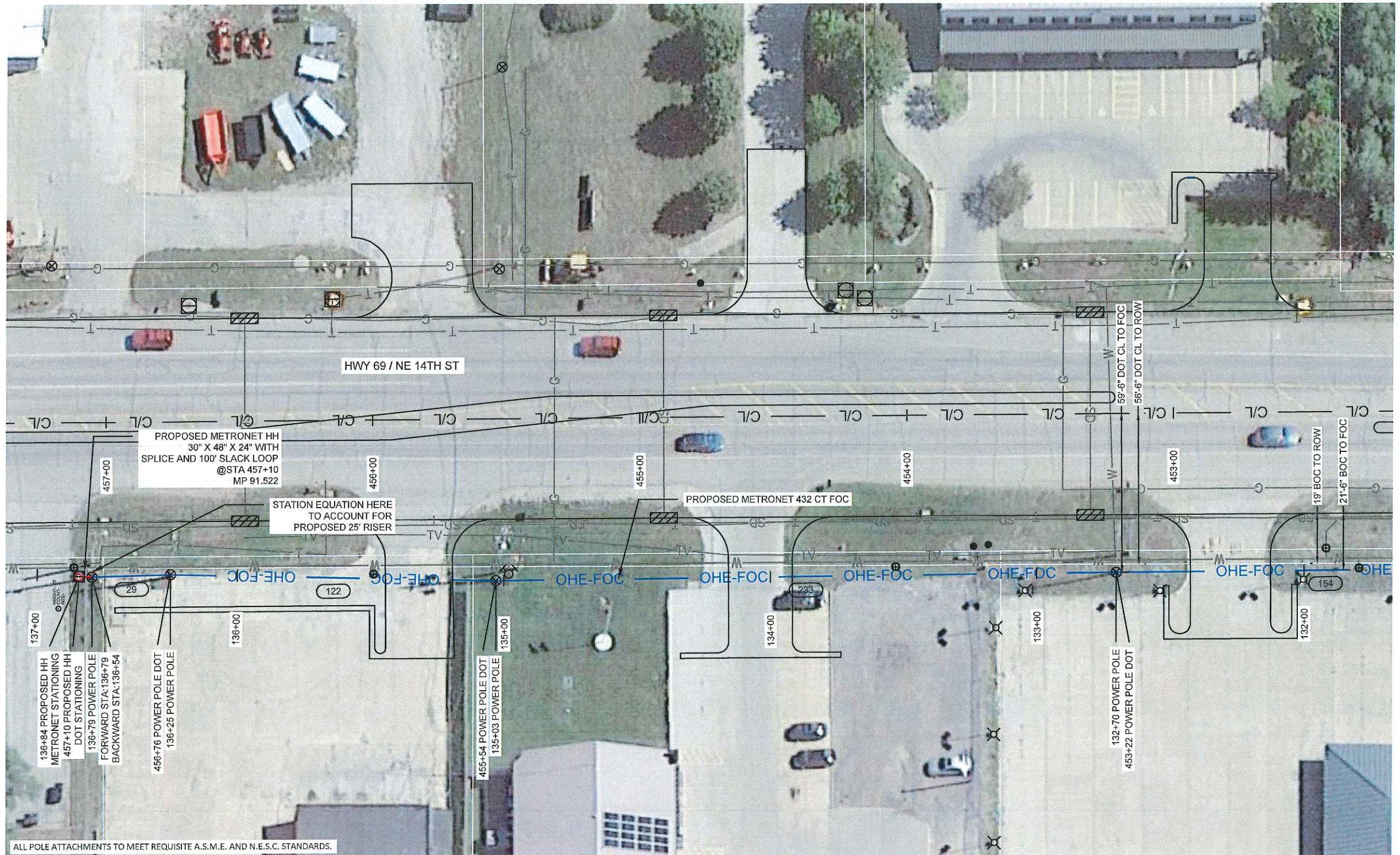
HORIZONTAL: 1:40

VERTICAL: 1:40

MP _____ TO MP _____

SHEET 026 OF 035

FILE: HWY 69 - 14TH ST - DOT



PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 154+59 (See Sheet 030 of 035)

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: B ABRAHAMSON

REVISIONS

DATE DESCRIPTION INITIAL

11-10-22 FOR PERMIT AJB

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SCALE

HORIZONTAL: 1:40

VERTICAL: 1:40

MP TO MP

SHEET 029 OF 035

FILE: HWY 69 - 14TH ST - DOT



METRONET

OUTSIDE PLANT CONSTRUCTION

TITLE: FIBER OPTIC CABLE ROUTE

HIGHWAY 69 / 14TH ST - DOT



PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 159+79 (See Sheet 031 of 035)

Matchline Survey Sta. 159+59 (See Sheet 029 of 035)

OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
HIGHWAY 69 / 14TH ST - DOT
DOT

METRONET

ROW

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: B ABRAHAMSON

REVISIONS

DATE	DESCRIPTION	INITIAL
11-10-22	FOR PERMIT	AJB

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PERMISSION.

SCALE

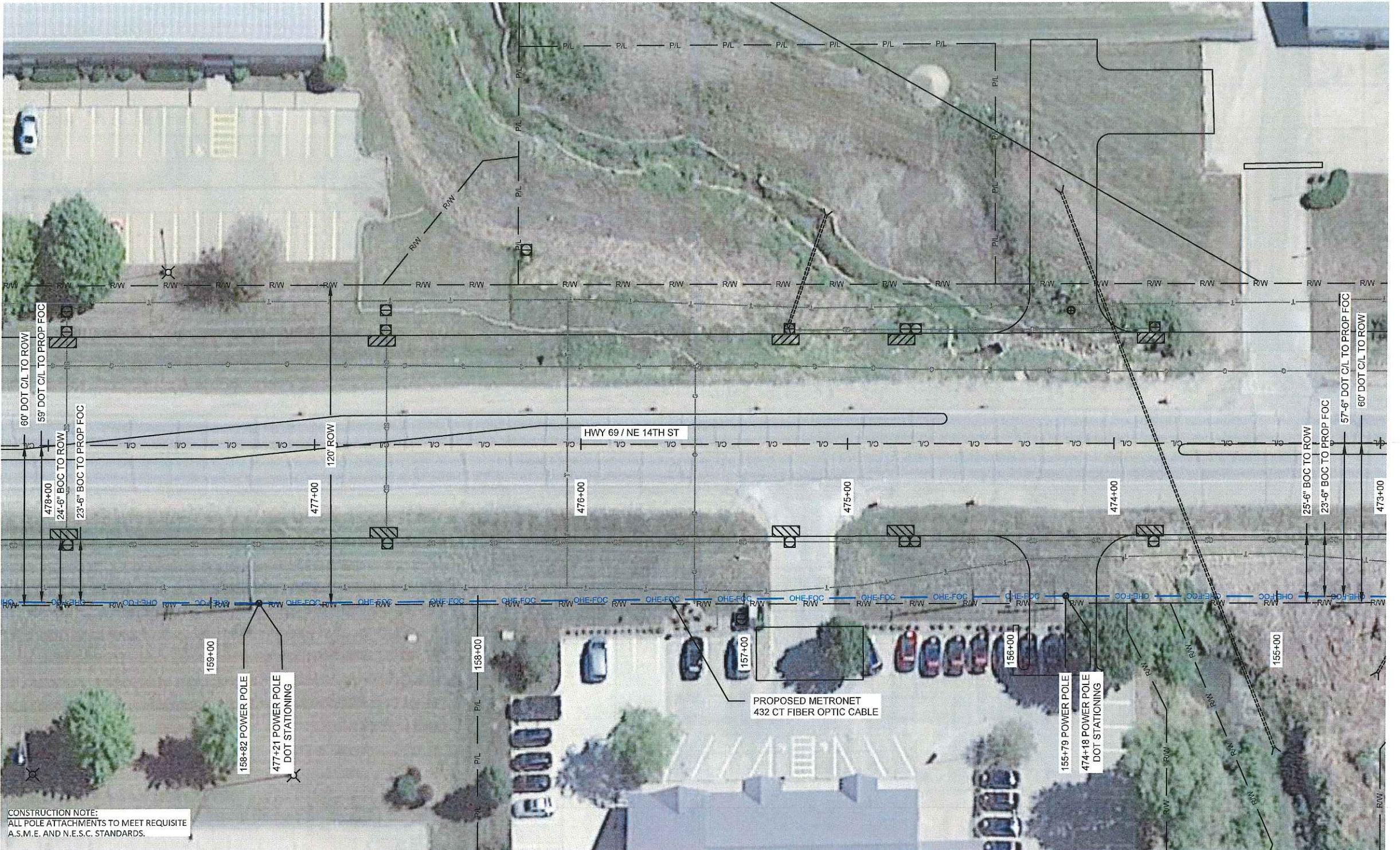
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VERTICAL: 1:40

MP TO MP

SHEET 030 OF 035

FILE: HWY 69 - 14TH ST - DOT



PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 164+99 (See Sheet 032 of 035)
 Matchline Survey Sta. 159+79 (See Sheet 030 of 035)

METRONET OUTSIDE PLANT CONSTRUCTION TITLE: FIBER OPTIC CABLE ROUTE
 HIGHWAY 69 / 14TH ST - DOT

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: B ABRAHAMSON

REVISIONS

DATE	DESCRIPTION	INITIAL
11-10-22	FOR PERMIT	AJB

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SCALE

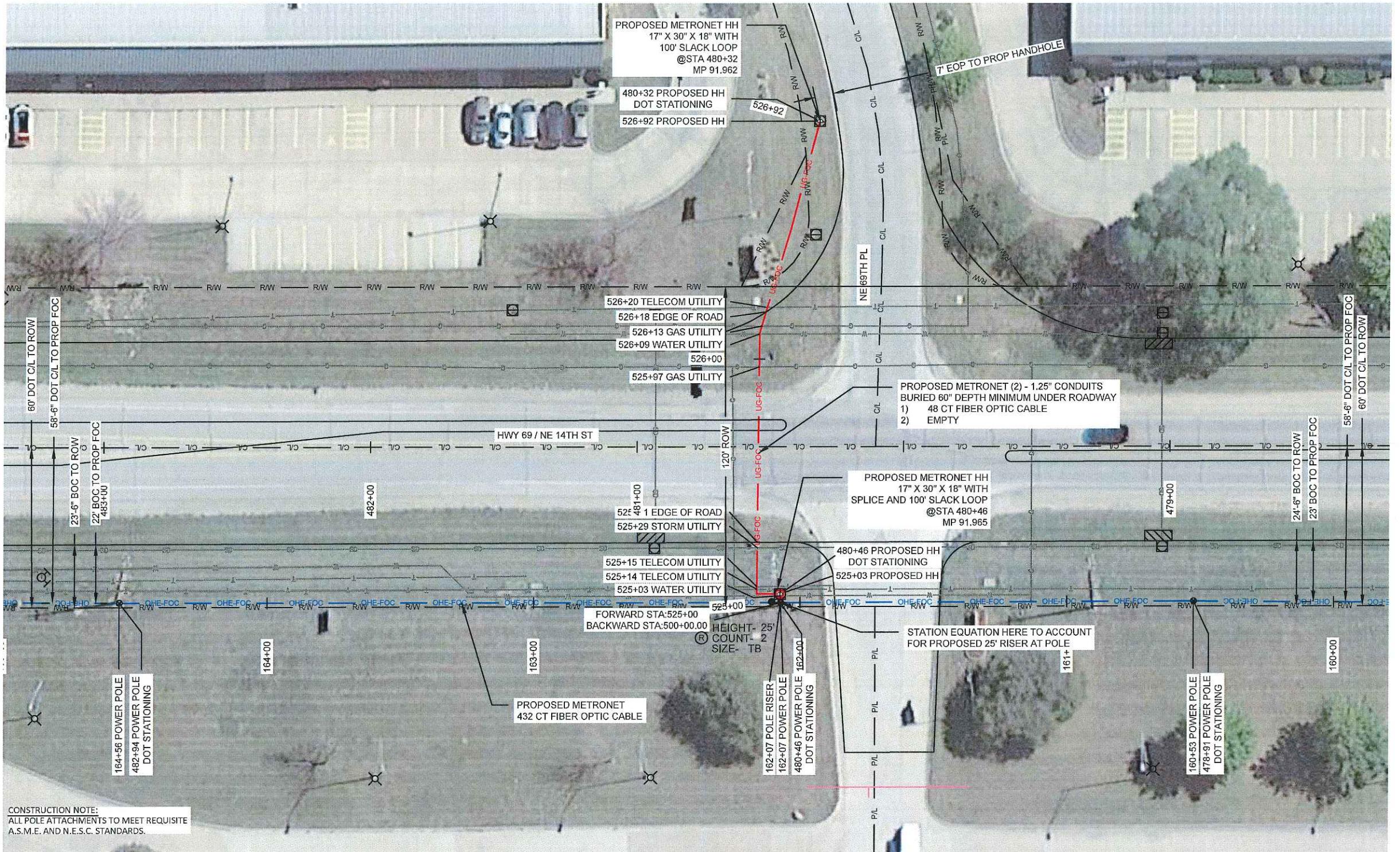
HORIZONTAL: 1:40

VERTICAL: 1:40

MP _____ TO MP _____

SHEET 031 OF 035

FILE: HWY 69 - 14TH ST - DOT



CROSSING OF NE 14TH ST / US HWY 69
AT NE 69TH PL
POLK COUNTY IOWA
FACING NORTH

LINE CROSSES DOT
RIGHT OF WAY AT
MP 92.012
STA 480+54
POLK COUNTY
T-79-N, R-24-W
NE 1/4 OF SECTION 2 &
T-79N, R-24-W
NW 1/4 OF SECTION 1



PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

 </p

PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

CROSSING OF NE 14TH ST / US HWY 69
AT NE 70TH AVE
POLK COUNTY IOWA
FACING NORTH

LINE CROSSES DOT
RIGHT OF WAY AT
MP 93.909
STA 488+36
POLK COUNTY
T-80-N, R-24-W
SE 1/4 OF SECTION 35 &
T-80-N, R-24-W
SW 1/4 OF SECTION 36



PROJECT:

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

METRONET
OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
HIGHWAY 69 / 14TH ST - DOT

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: A BALES

REVISIONS

DATE	DESCRIPTION	INITIAL
11-30-22	FOR PERMIT	AJB

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SCALE

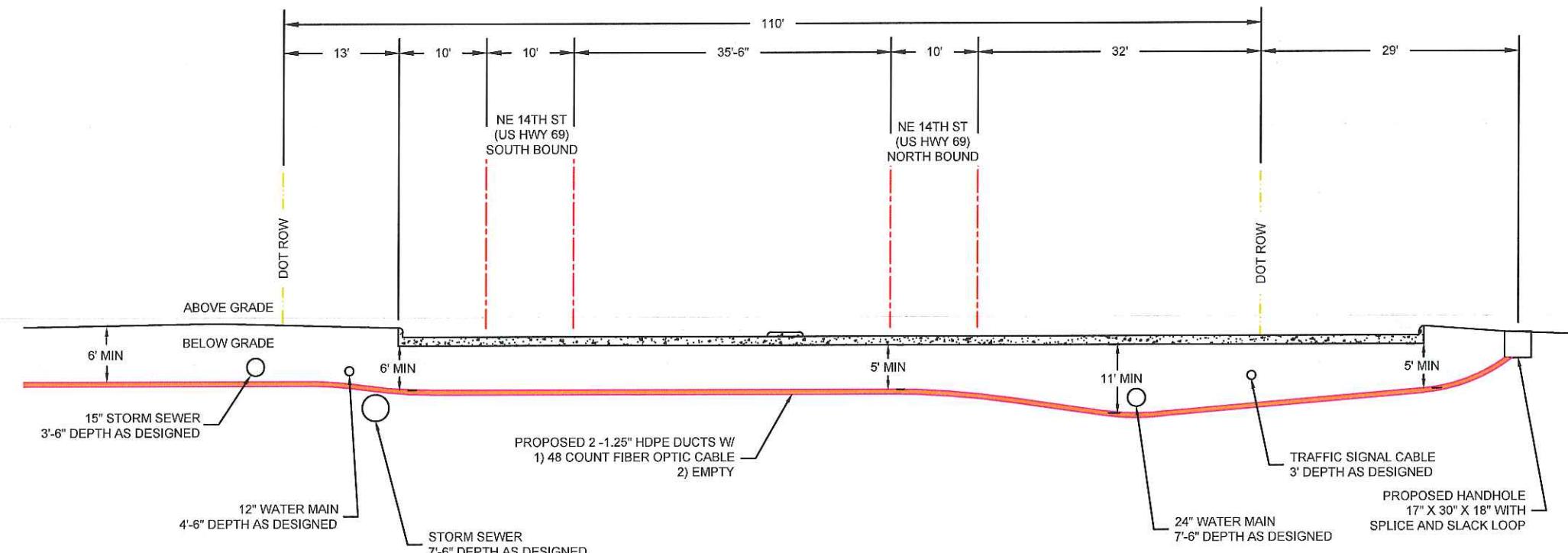
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VERTICAL: 1:16

MP _____ TO MP _____

SHEET 32A OF 035

FILE: HWY 69 - 14TH ST - DOT



PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 177+30 (See Sheet 034 of 035)

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: B ABRAHAMSON

REVISIONS

DATE	DESCRIPTION	INITIAL
11-10-22	FOR PERMIT	AJB

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SCALE

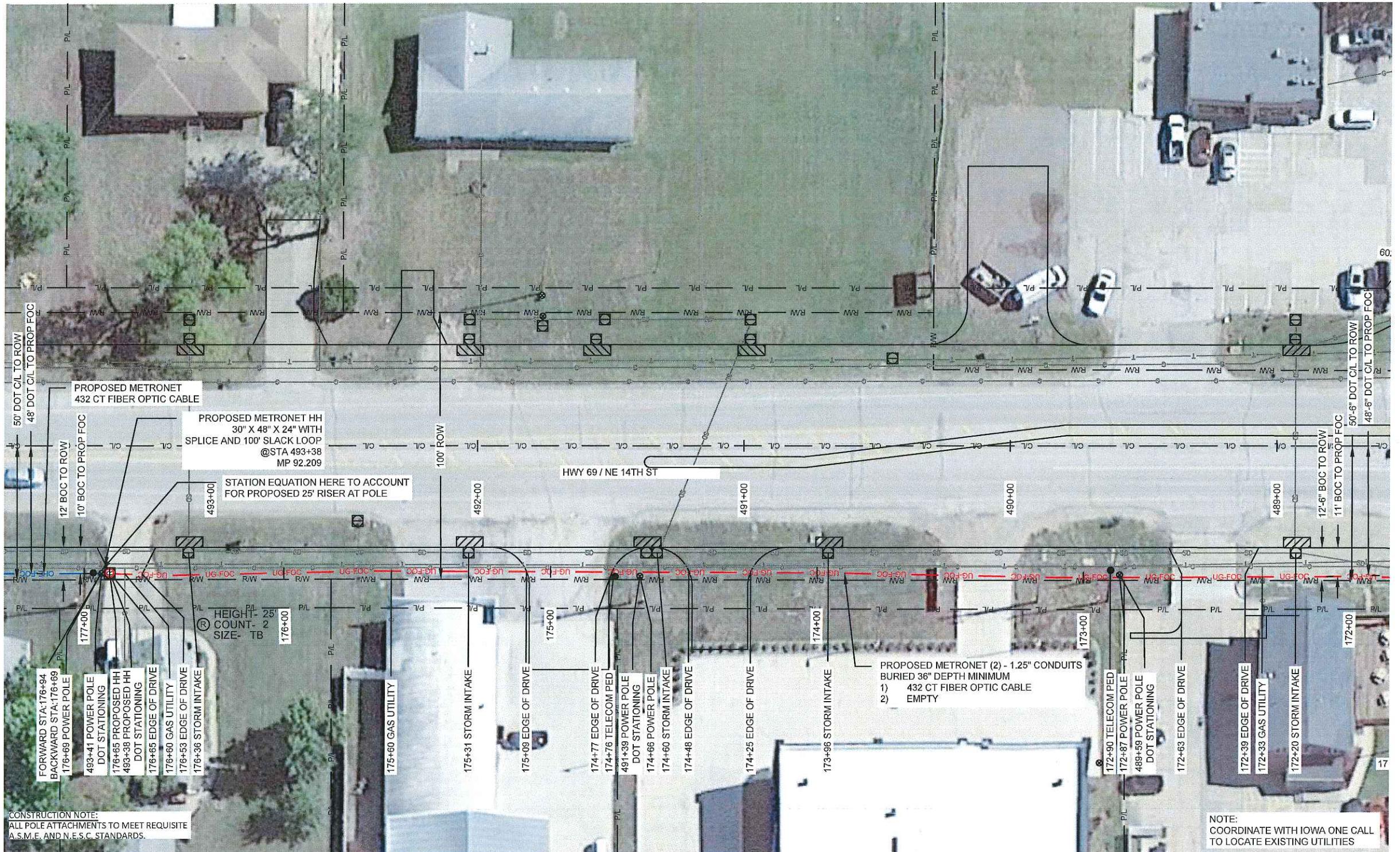
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VERTICAL: 1:40

MP _____ TO MP _____

SHEET 033 OF 035

FILE: HWY 69 - 14TH ST - DOT



Matchline Survey Sta. 177+85 (See Sheet 032 of 035)

TITLE: OUTSIDE PLANT CONSTRUCTION

HIGHWAY 69 / 14TH ST - DOT

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: B ABRAHAMSON

REVISIONS

DATE	DESCRIPTION	INITIAL
11-10-22	FOR PERMIT	AJB

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SCALE

HORIZONTAL: 1:40

VERTICAL: 1:40

MP _____ TO MP _____

SHEET 033 OF 035

FILE: HWY 69 - 14TH ST - DOT

PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

 CLARIFICATION NO. QUANTITY

Matchline Survey Sta. 182+50 (See Sheet 035 of 035)

DATE: 11-10-2022

ENGINEER: NEWCOM TECH

DRAWN BY: B ABRAHAMSON

REVISIONS

DATE DESCRIPTION INITIAL

11-10-22 FOR PERMIT AJB

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SCALE

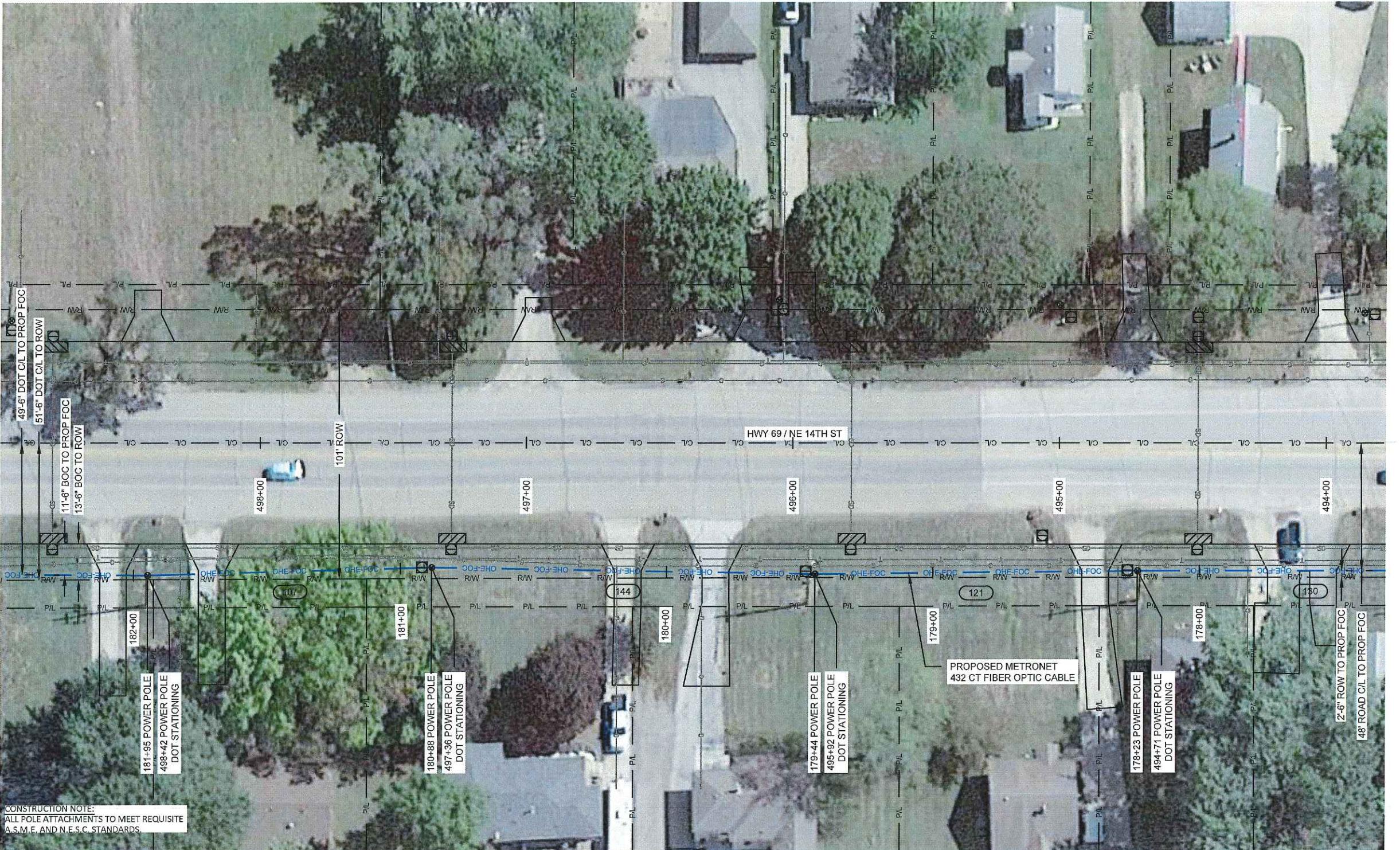
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MP _____ TO MP _____

SHEET 034 OF 035

FILE: HWY 69 - 14TH ST - DOT



PROJECT: X

HWY 69 / 14TH ST - DOT

DES MOINES / ANKENY, IA

CLARIFICATION NO. QUANTITY

Machine Survey Sta. 122+50 Sheet 034 of 035

OUTSIDE PLANT CONSTRUCTION
TITLE: FIBER OPTIC CABLE ROUTE
HIGHWAY 69 / 14TH ST - DOT

METRONET

DATE: 11-10-2022
ENGINEER: NEWCOM TECH
DRAWN BY: B ABRAHAMSON

REVISIONS

DATE	DESCRIPTION	INITIAL
11-10-22	FOR PERMIT	AJB

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SCALE

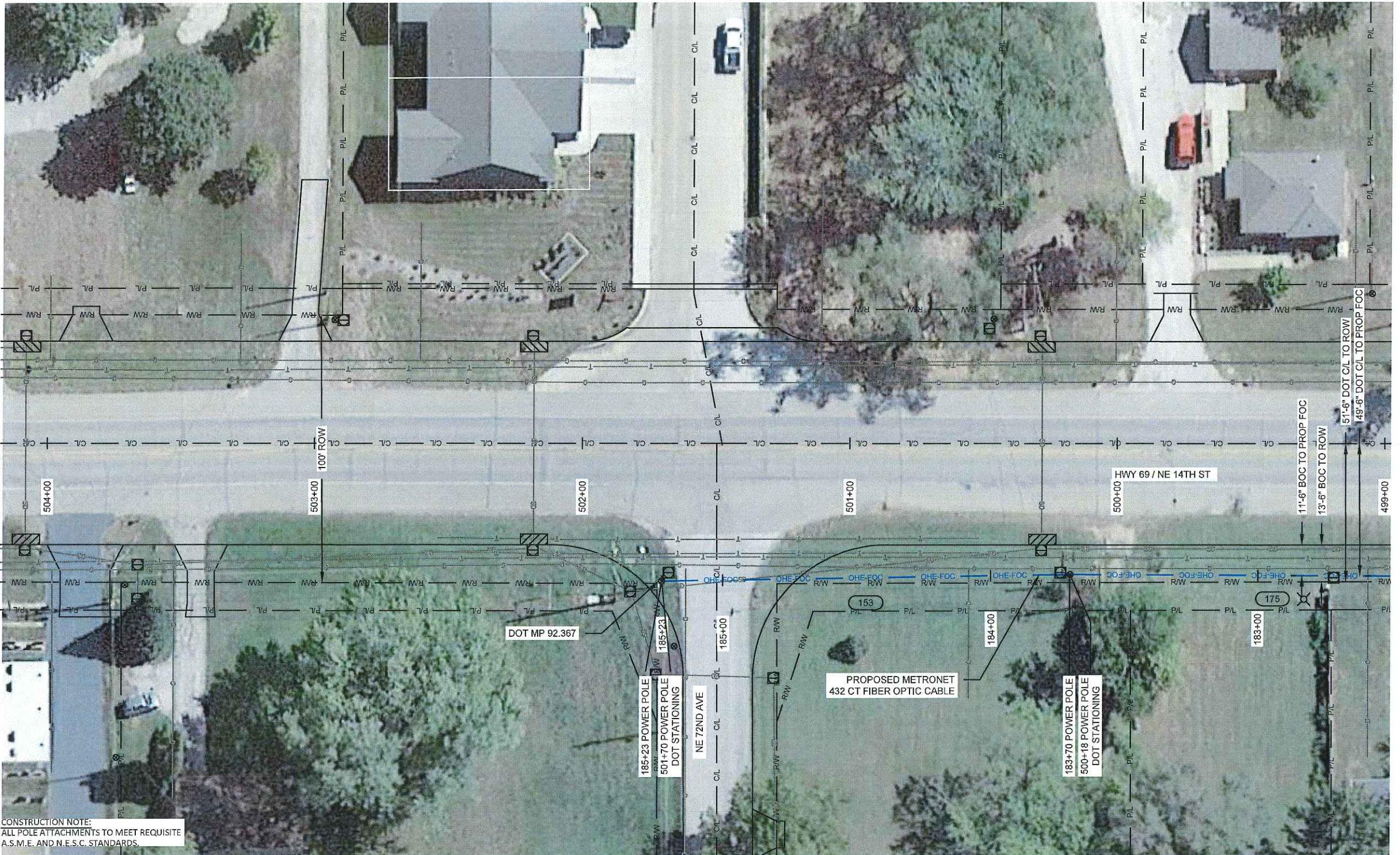
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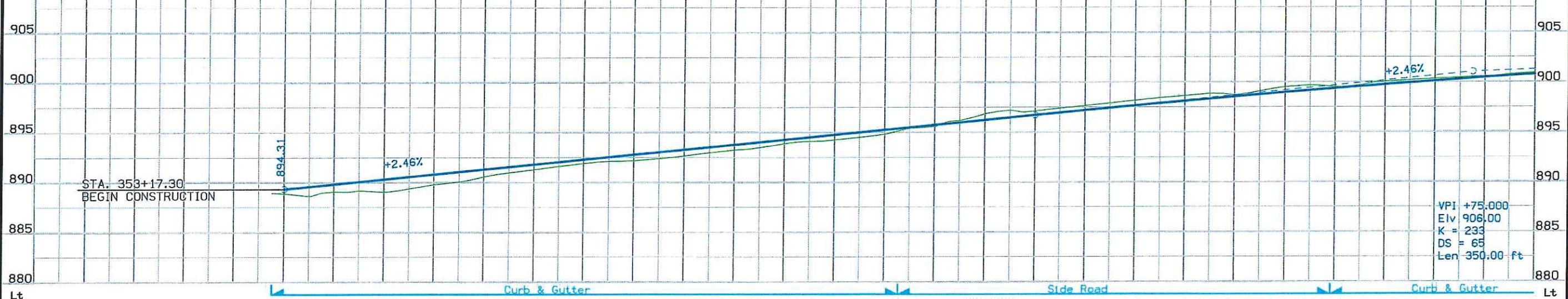
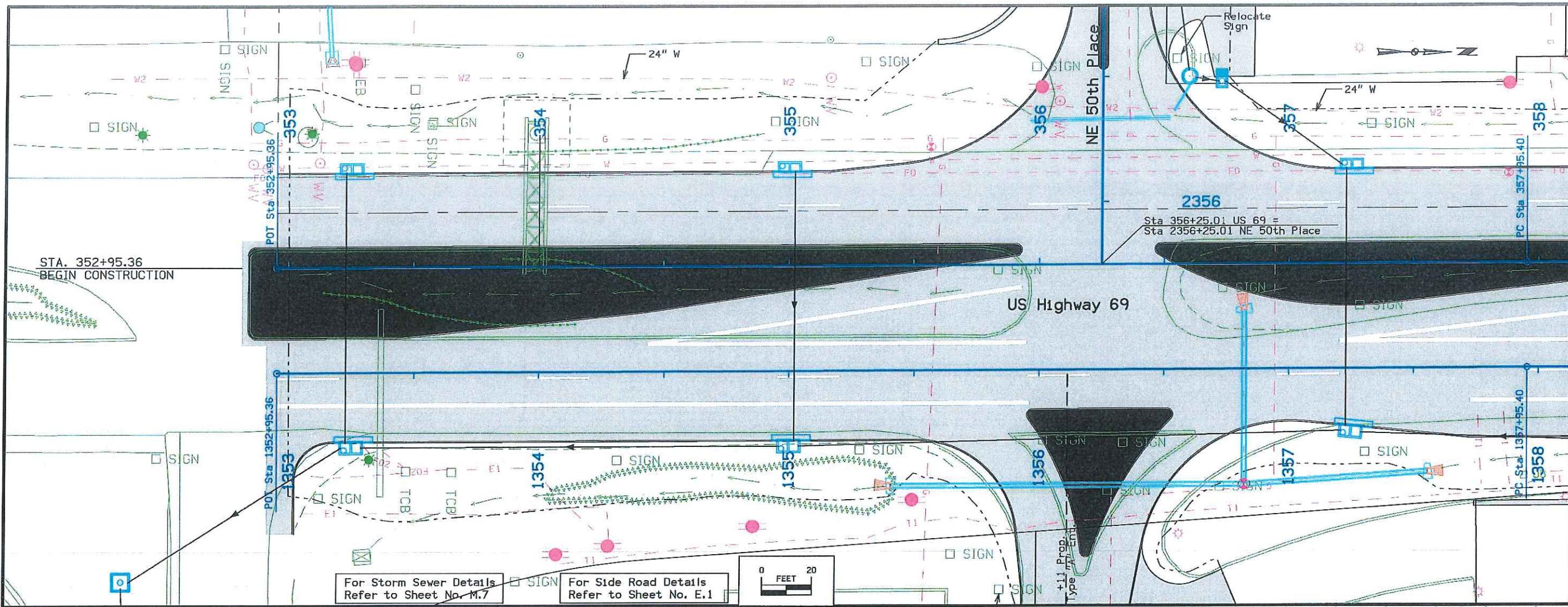
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MP _____ TO MP _____

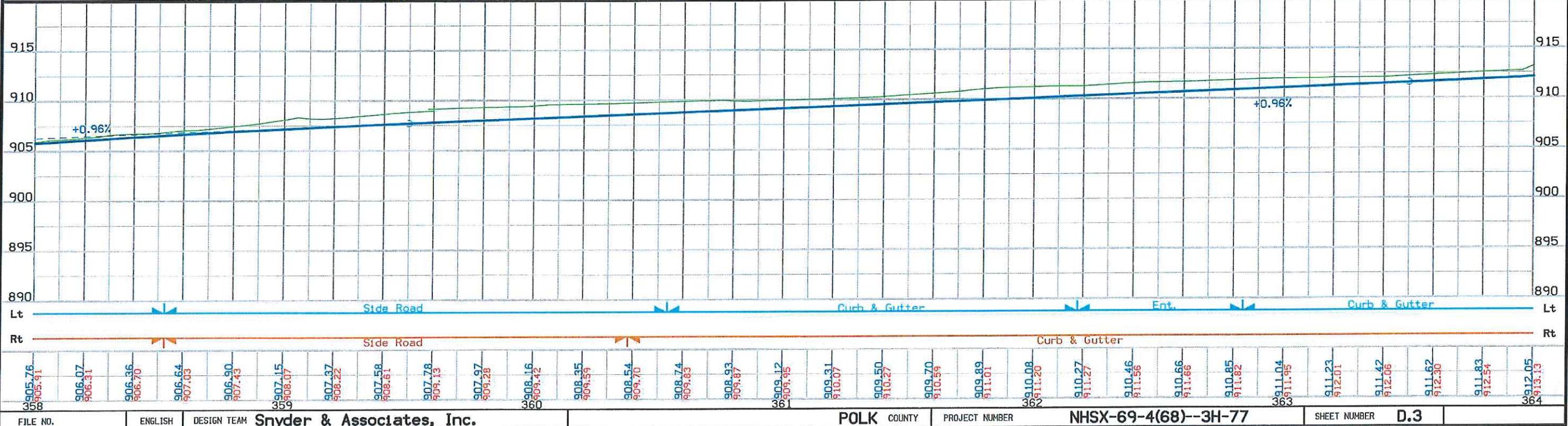
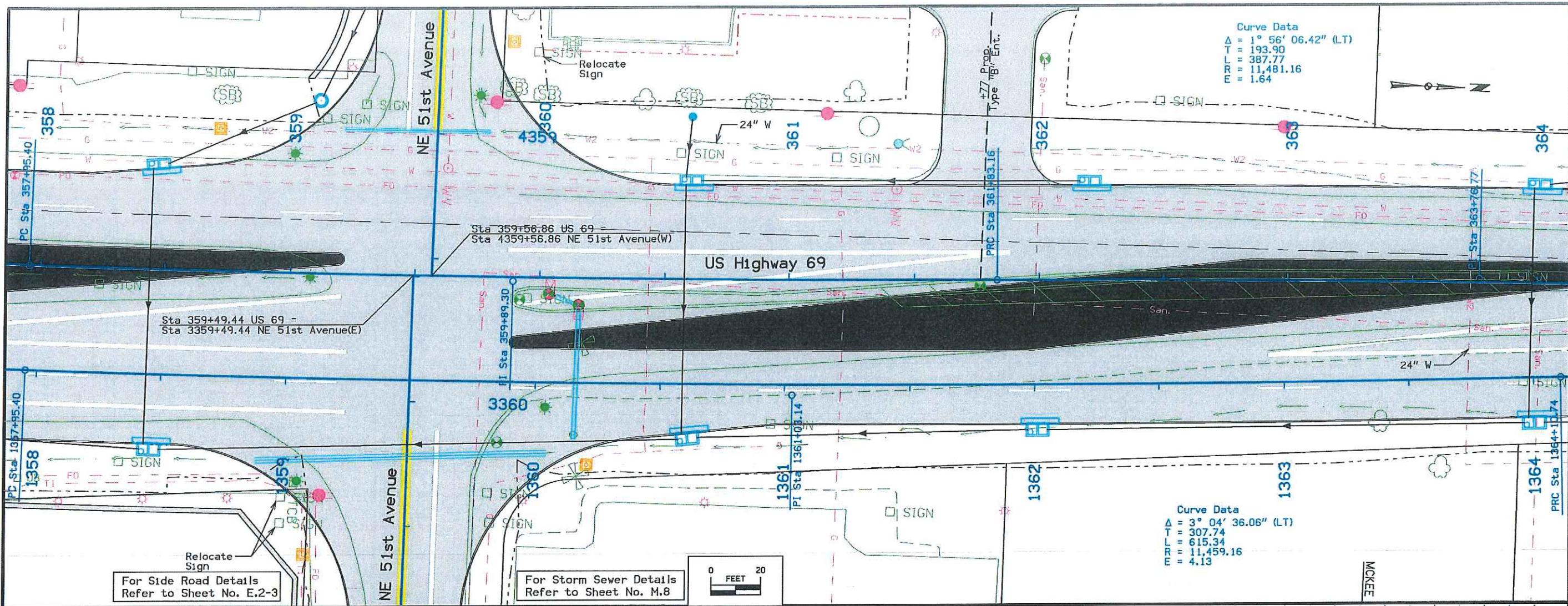
SHEET 035 OF 035

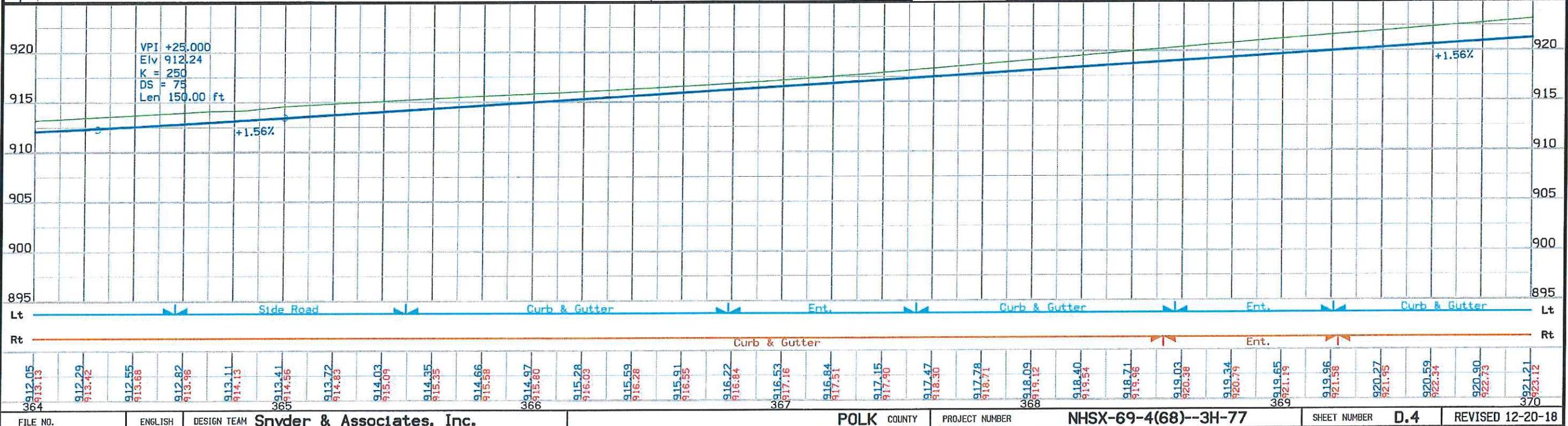
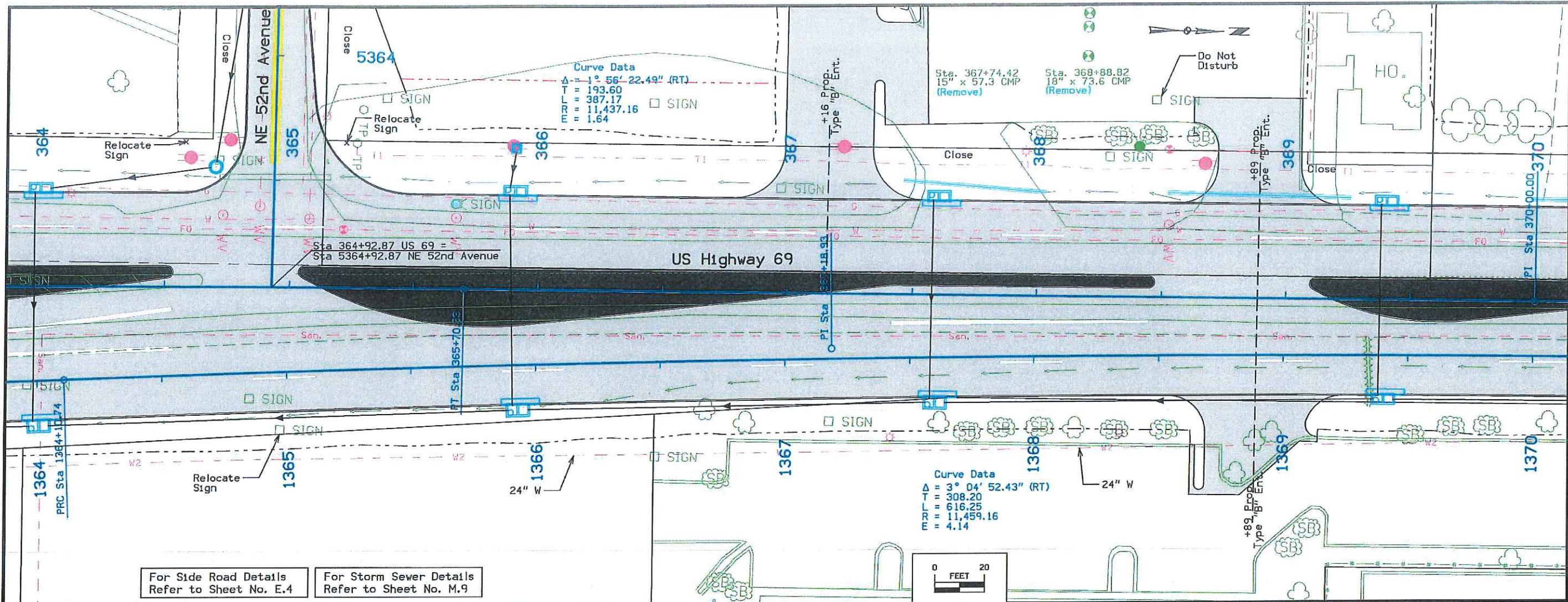
FILE: HWY 69 - 14TH ST - DOT



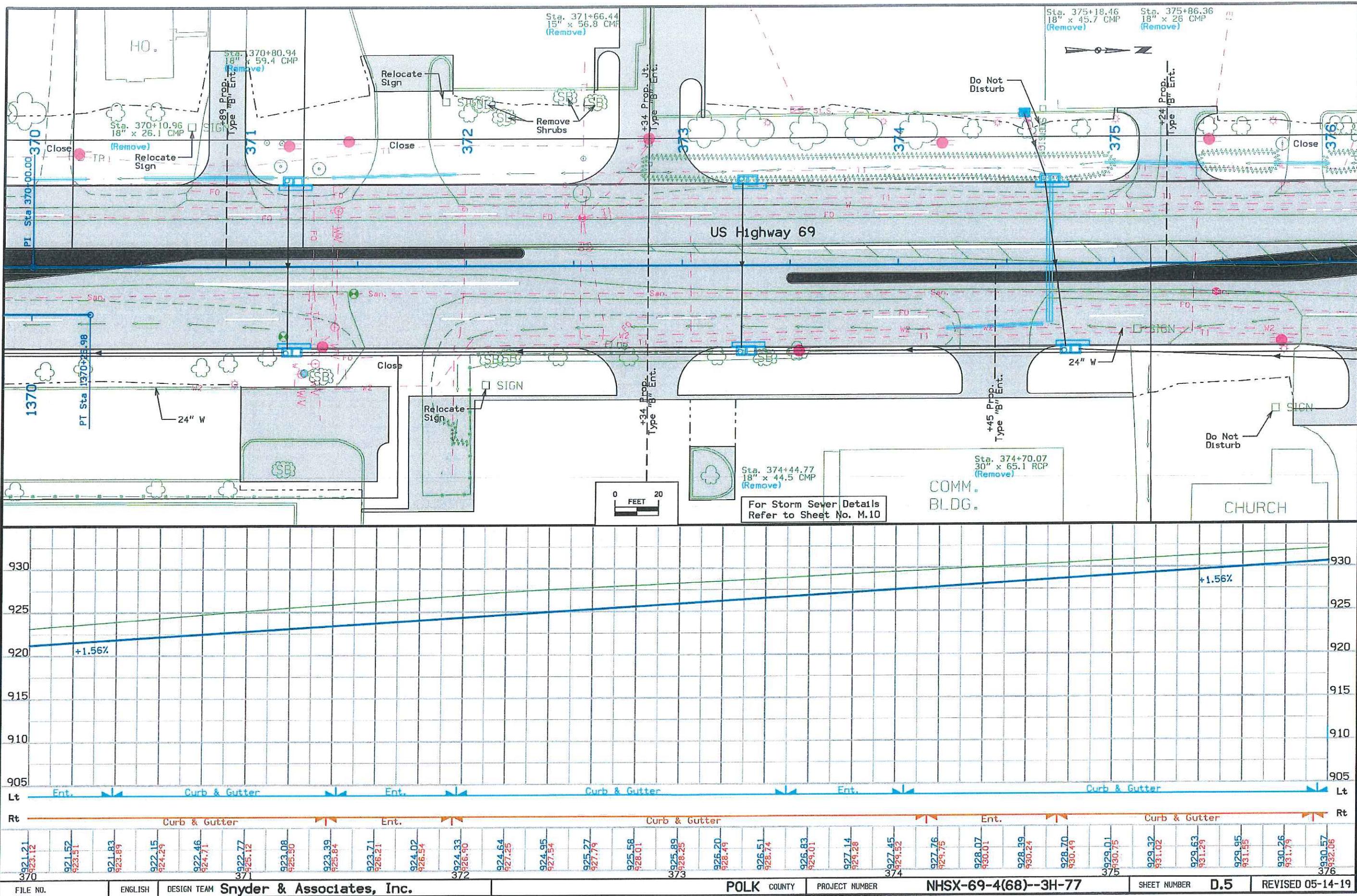


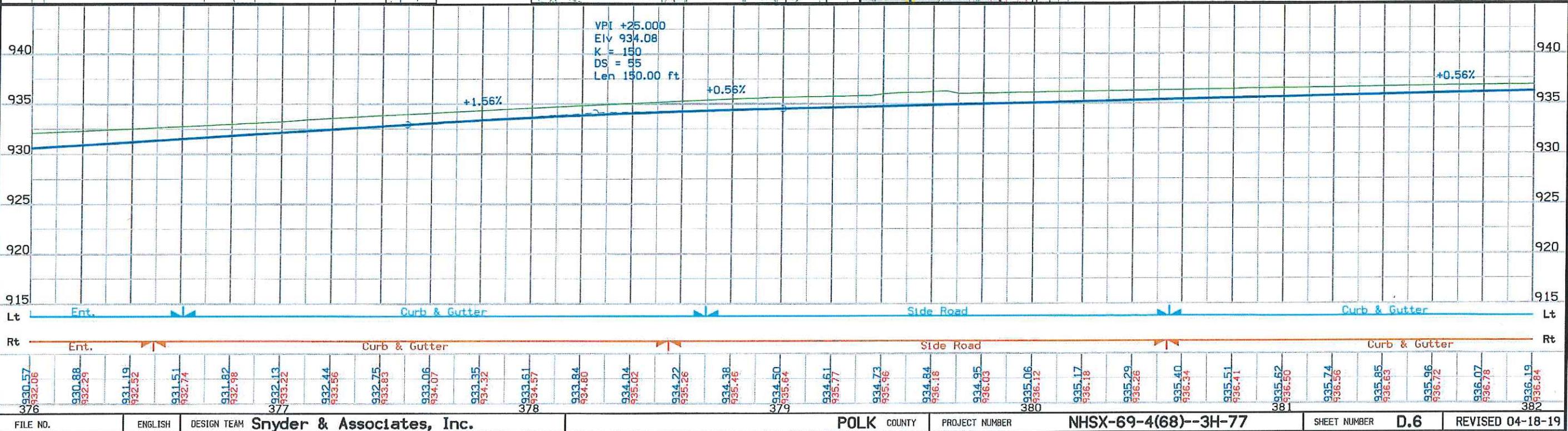
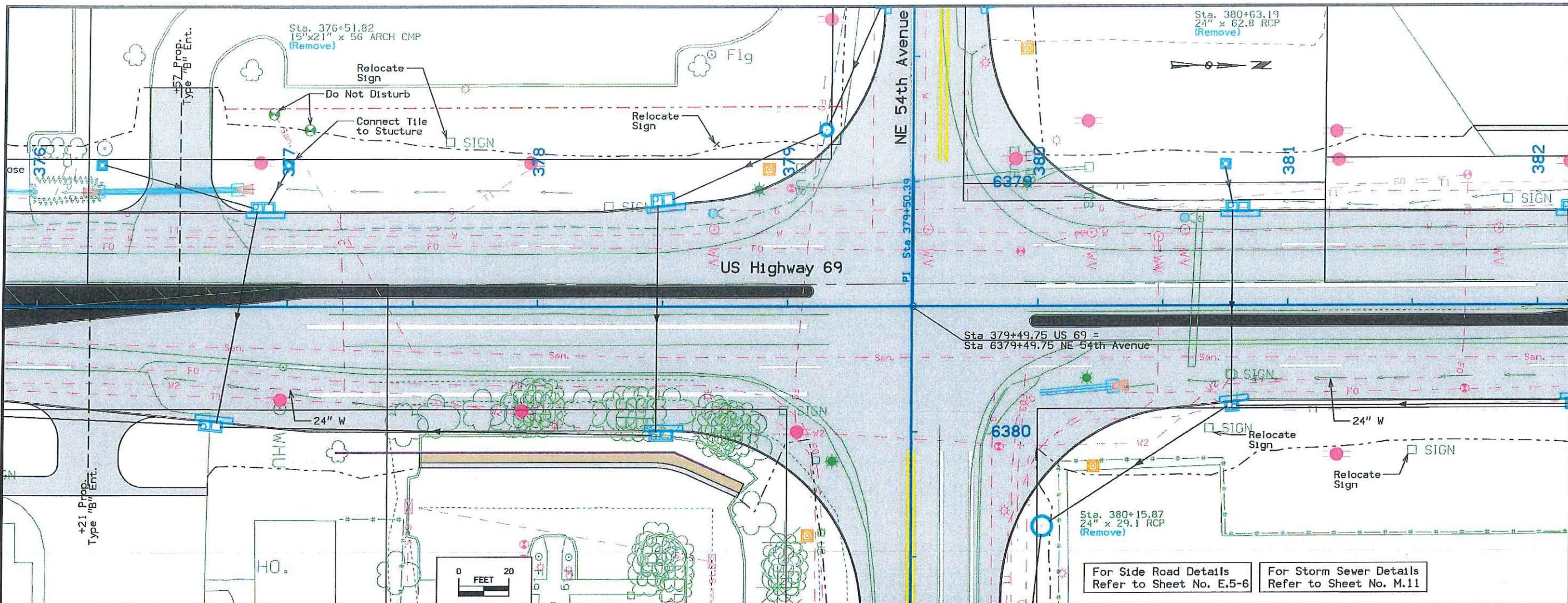
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893.85		
894.80		
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895.30		
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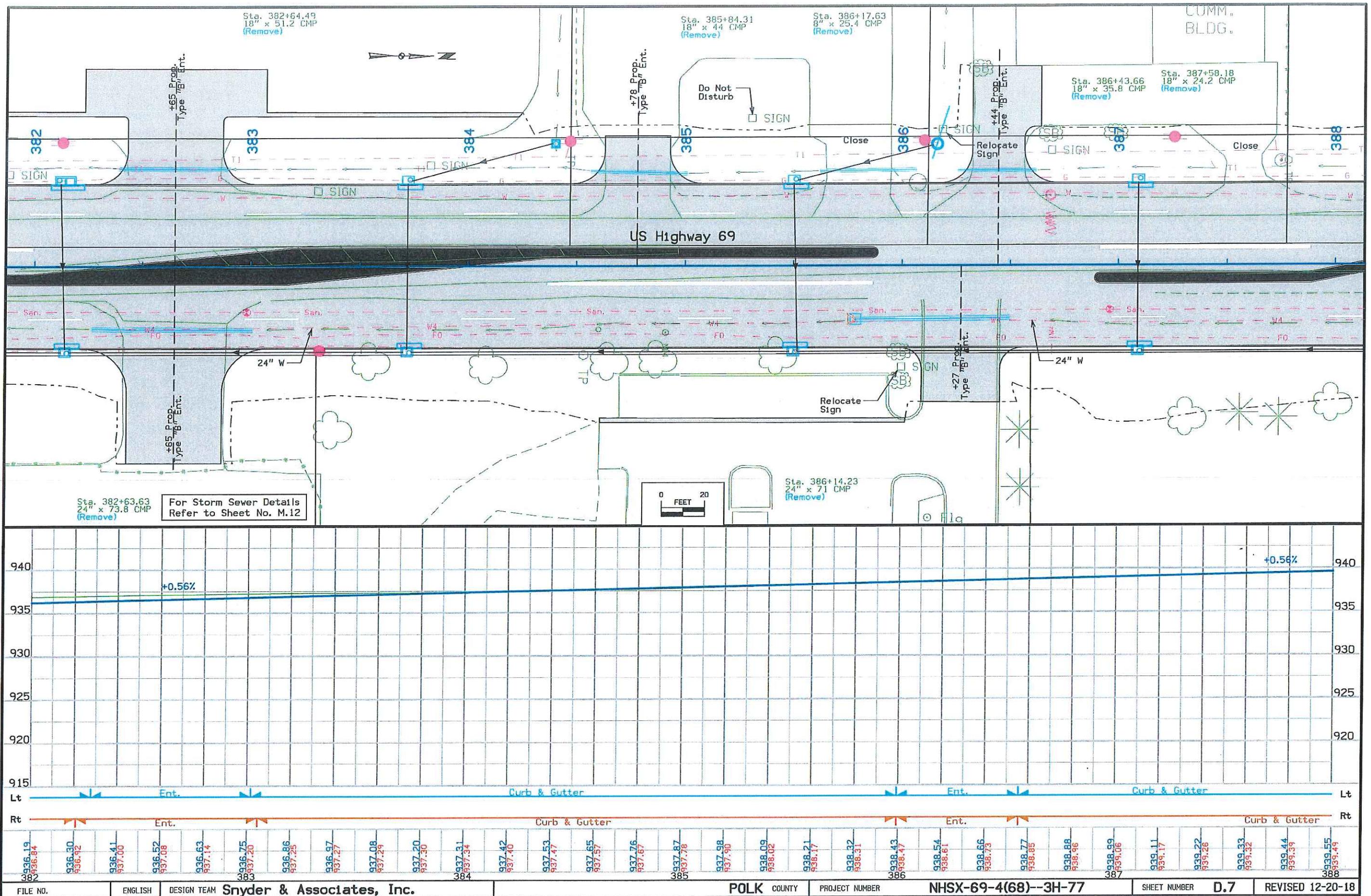


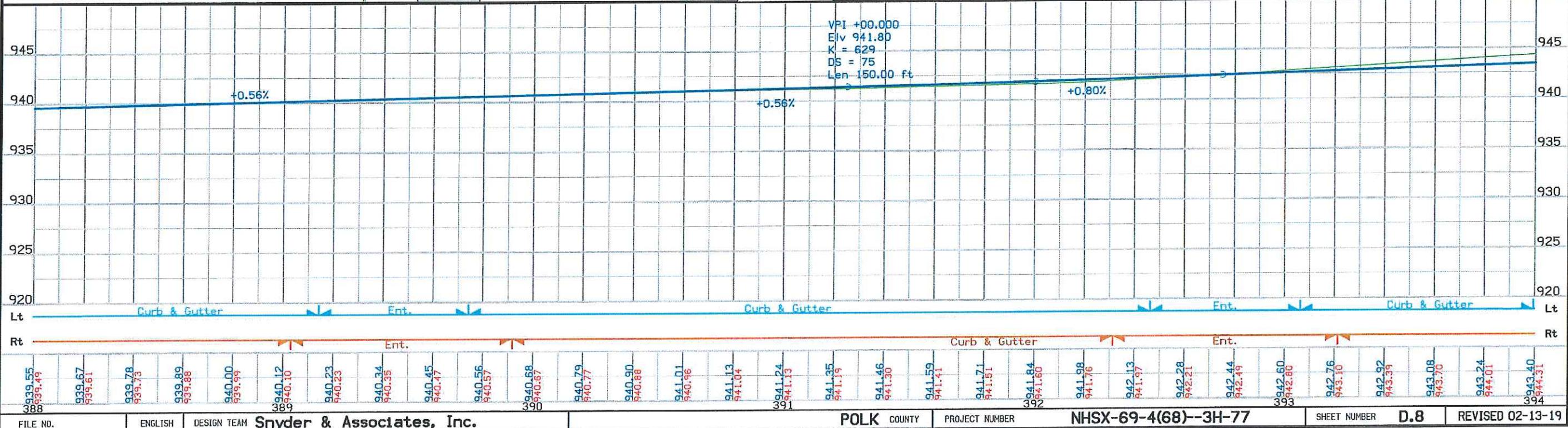
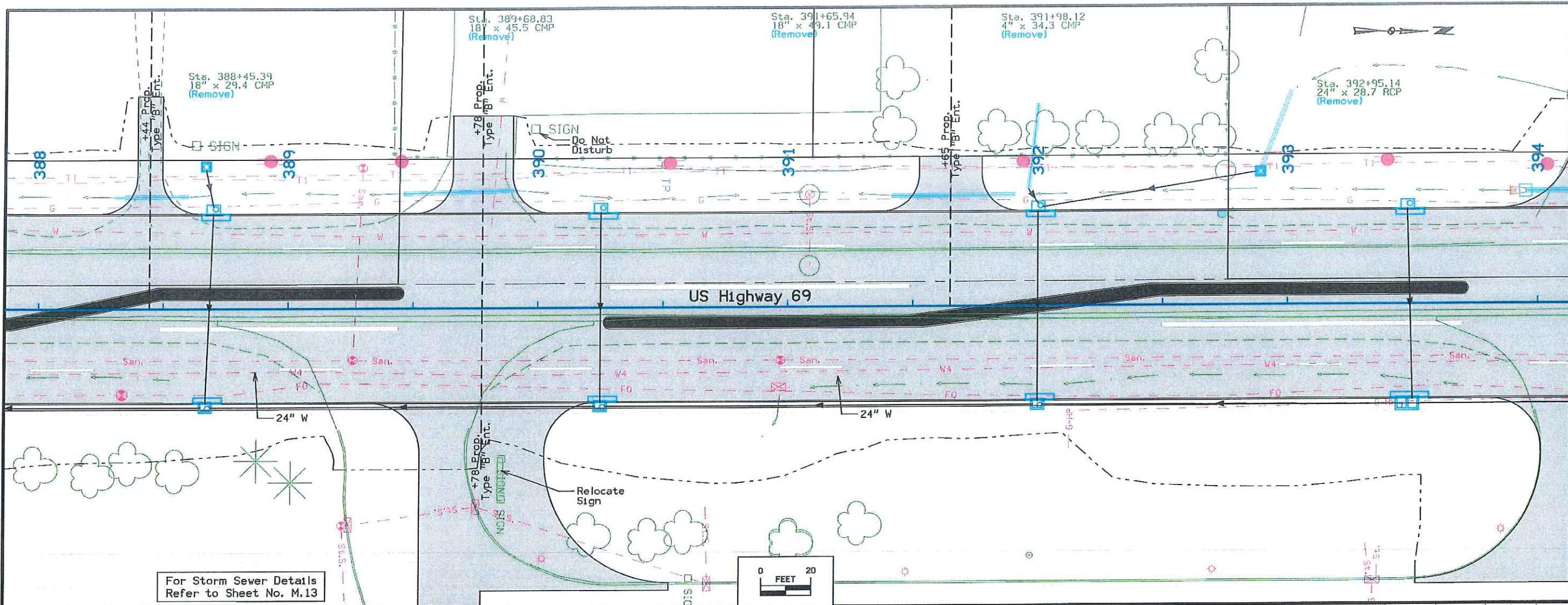


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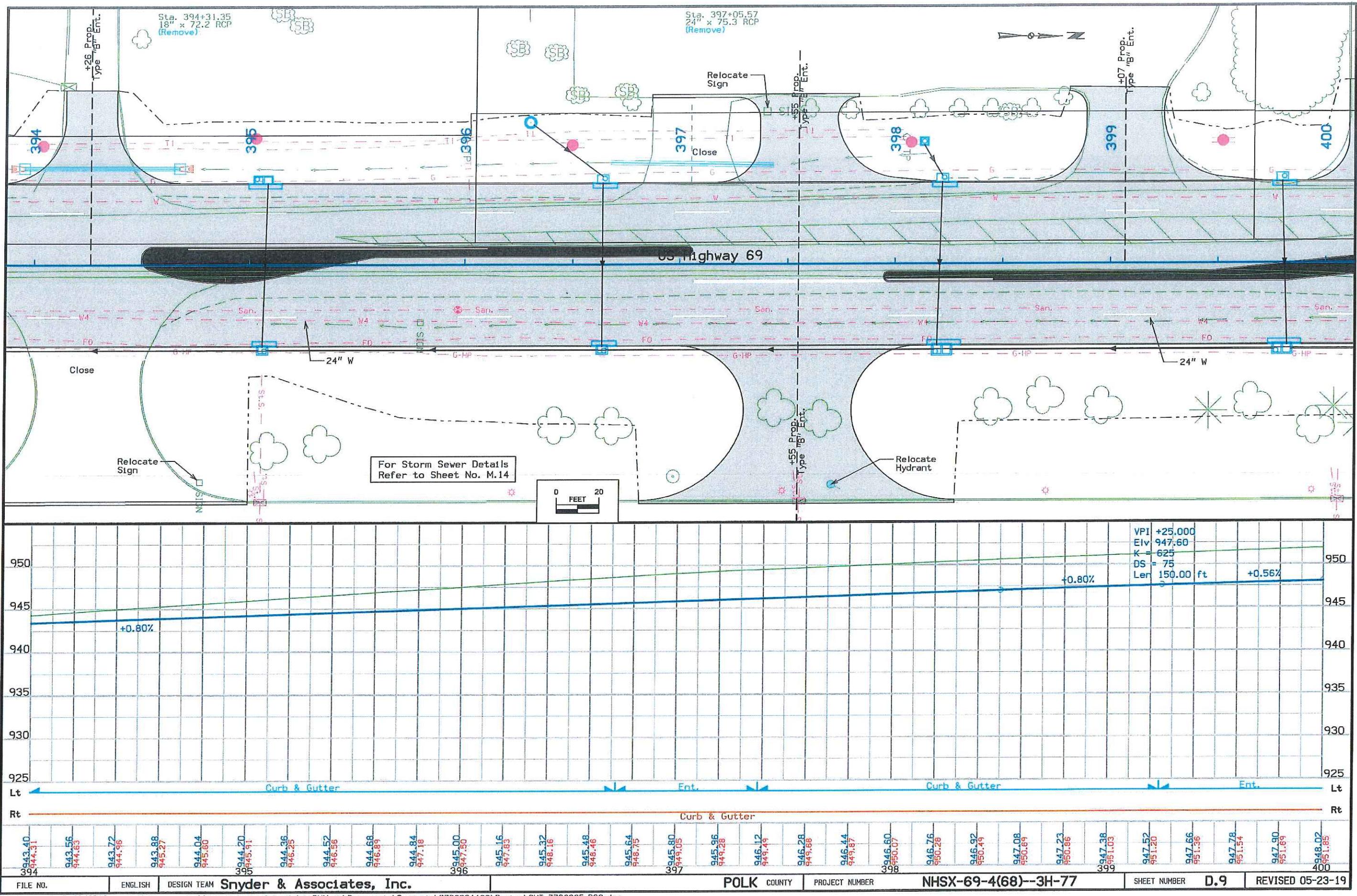


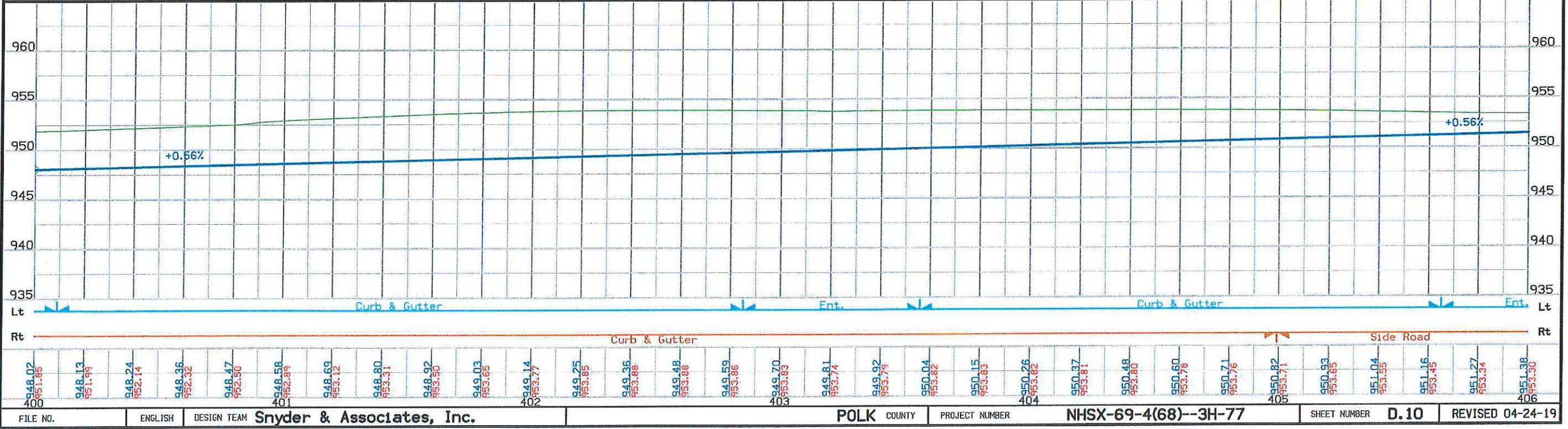
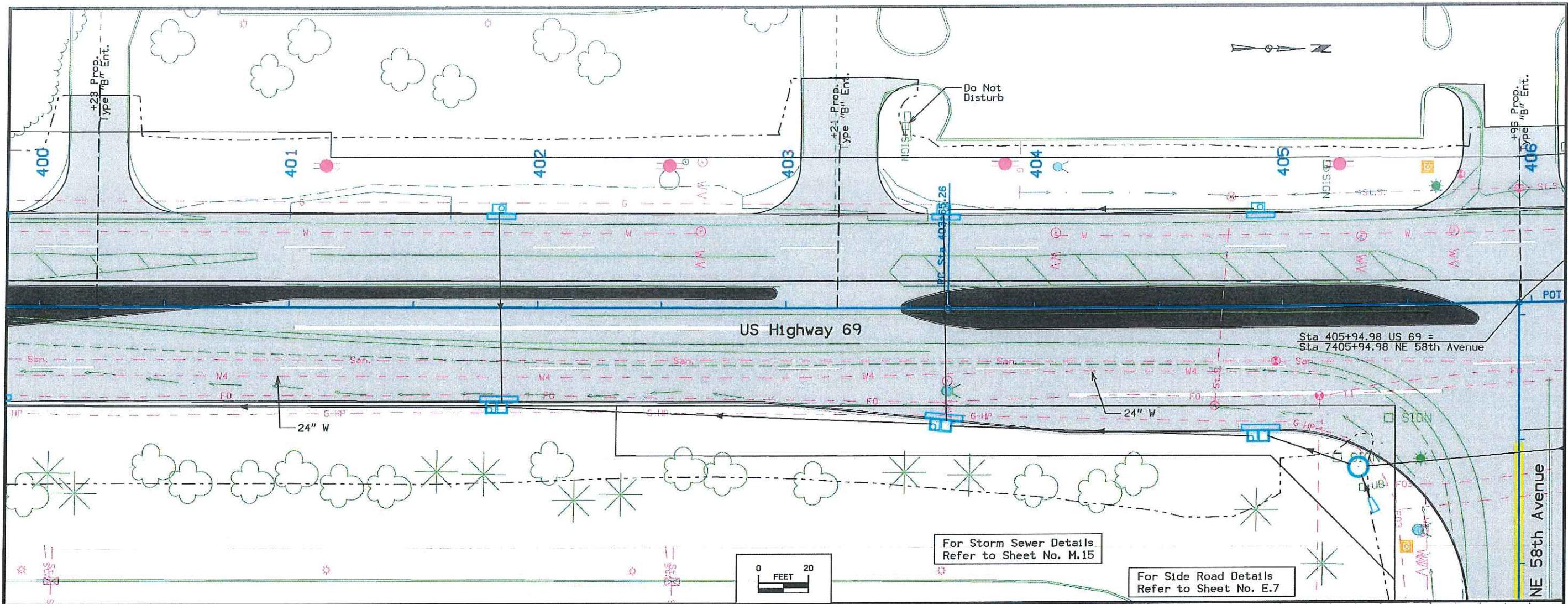


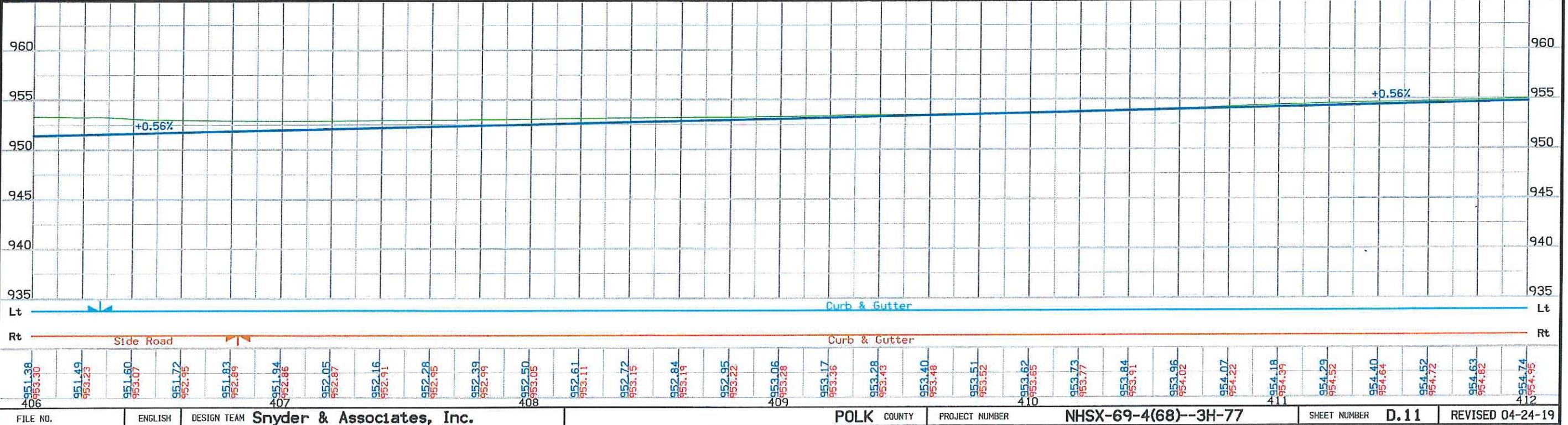
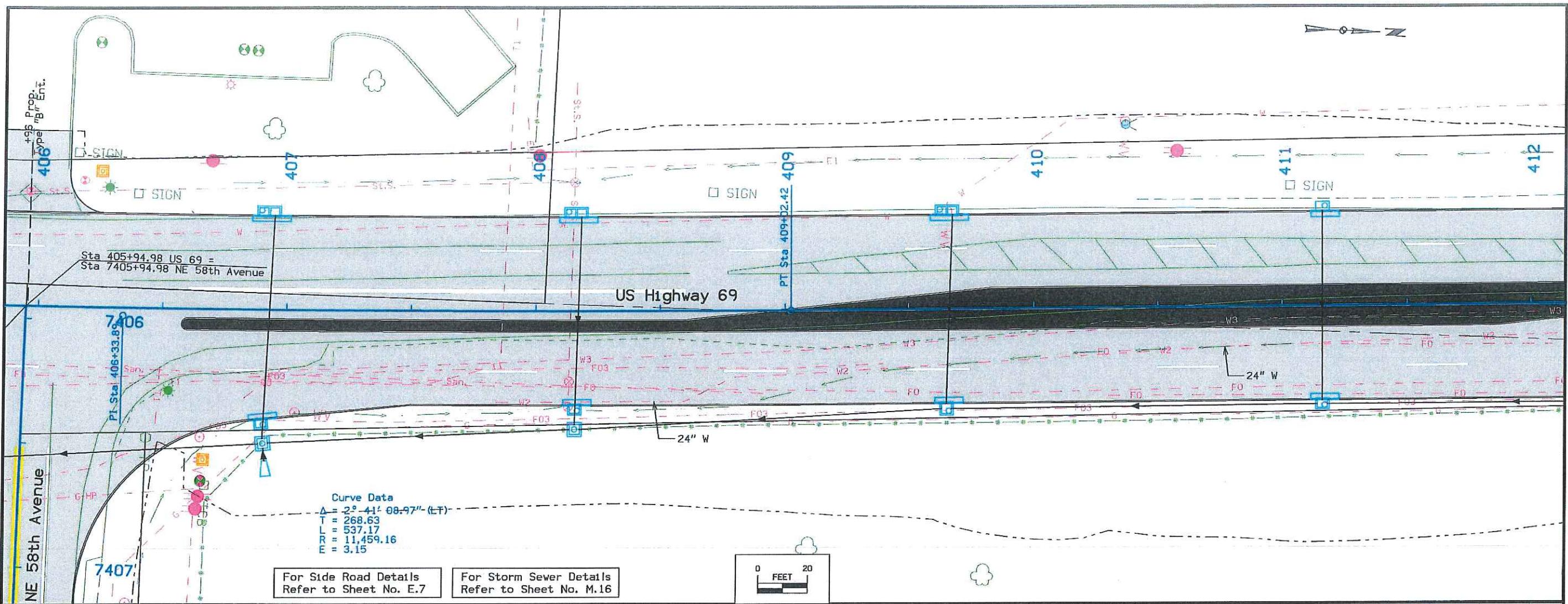


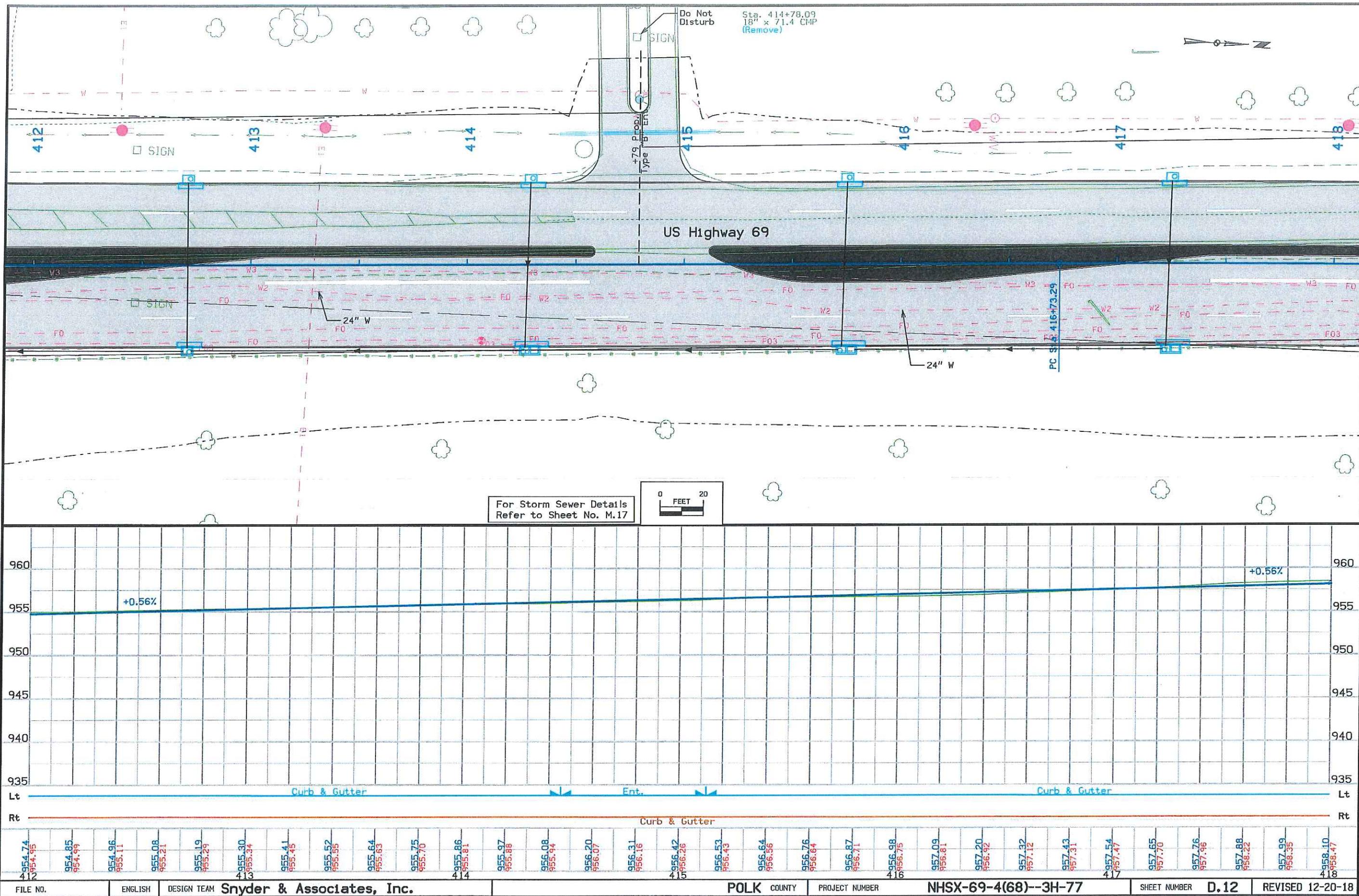


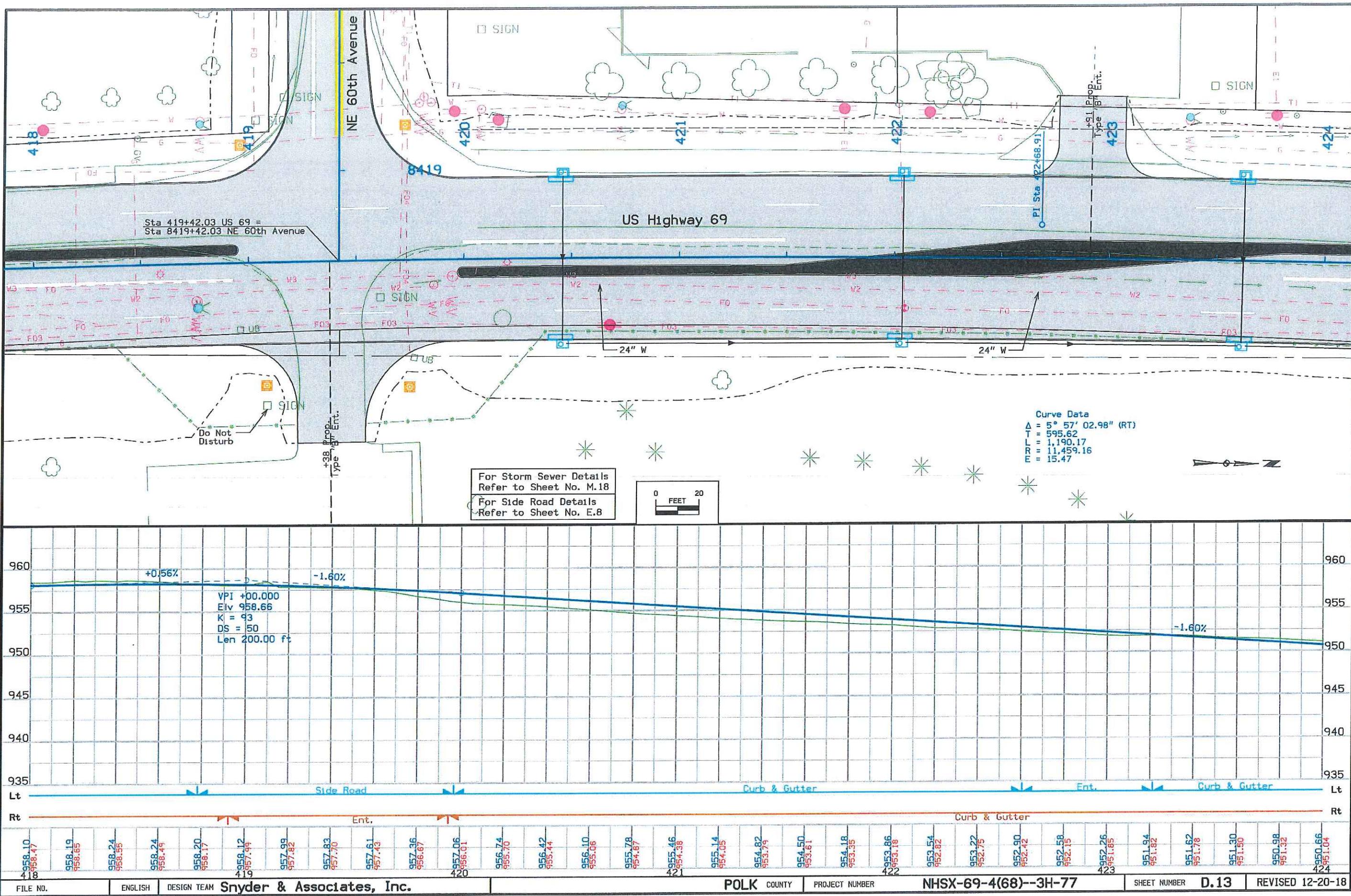
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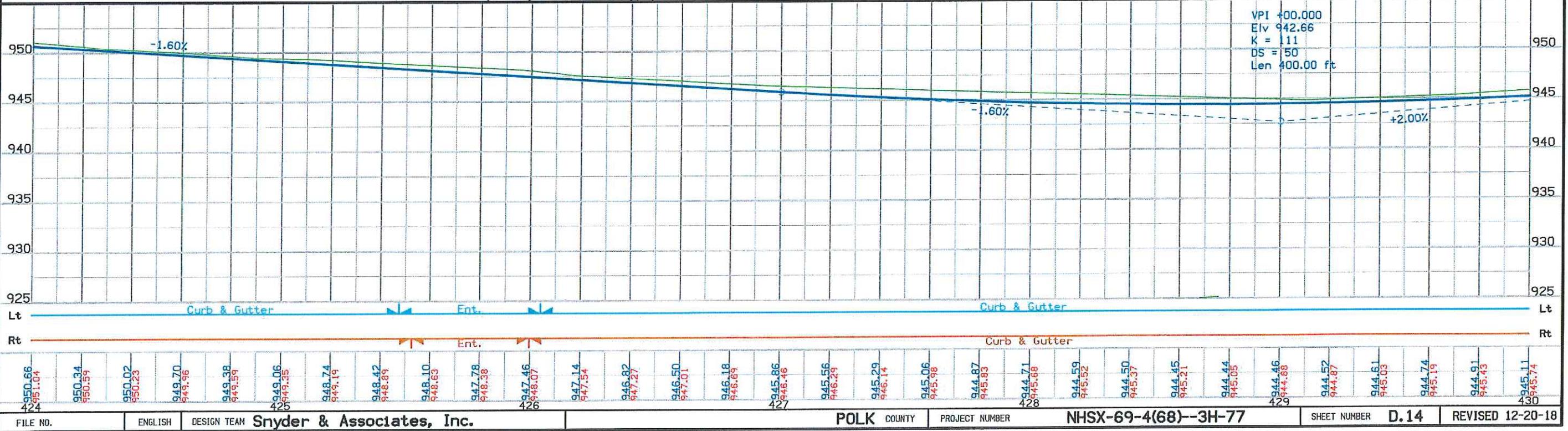
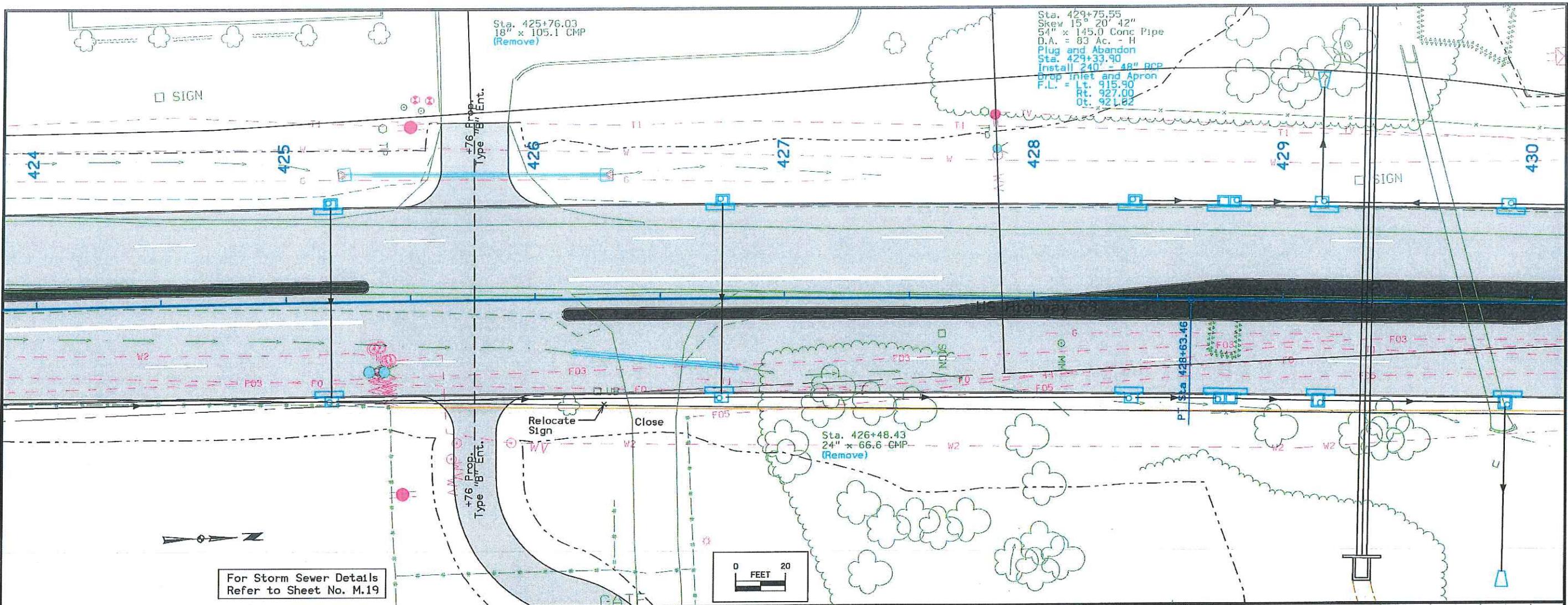


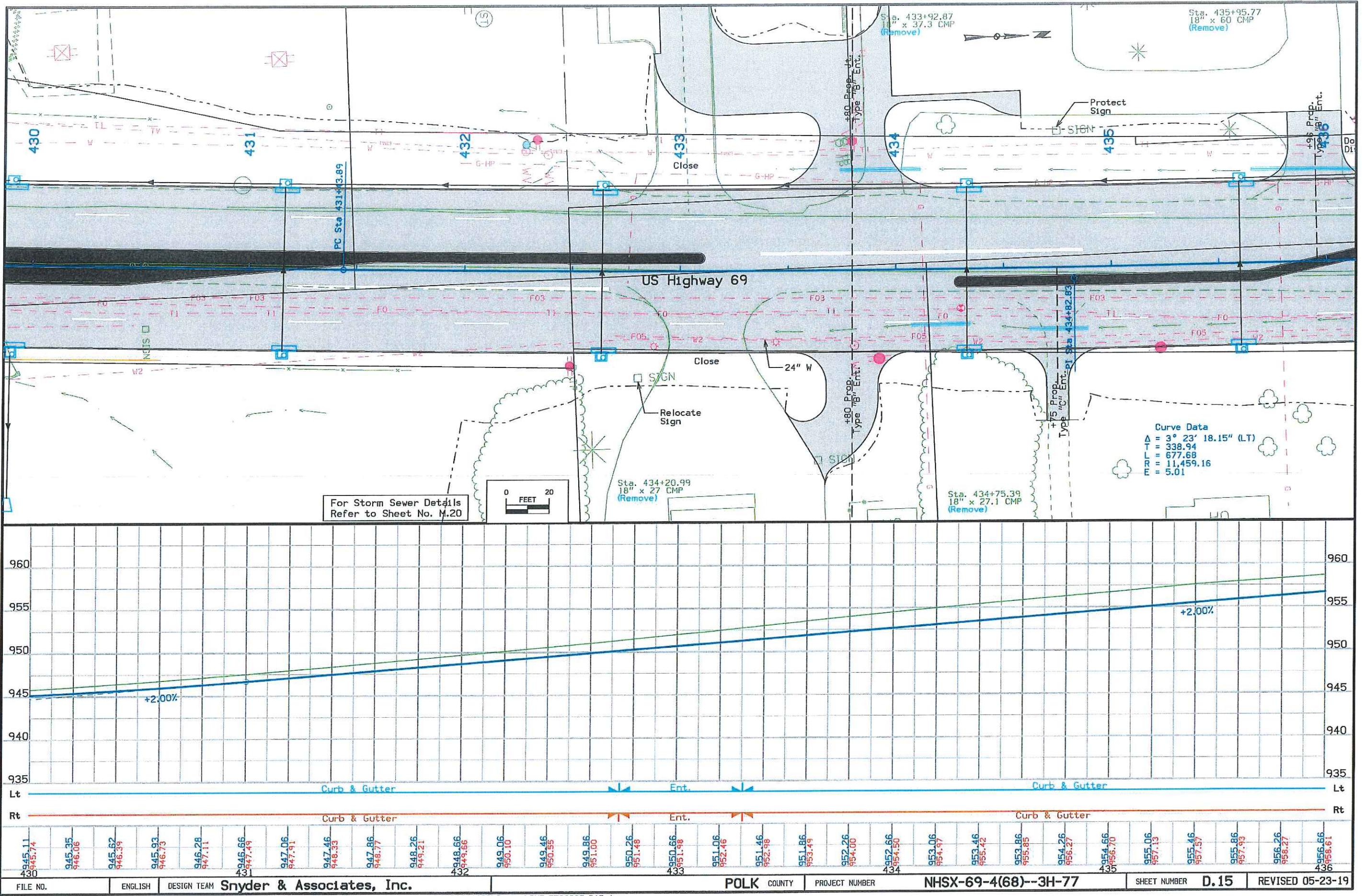


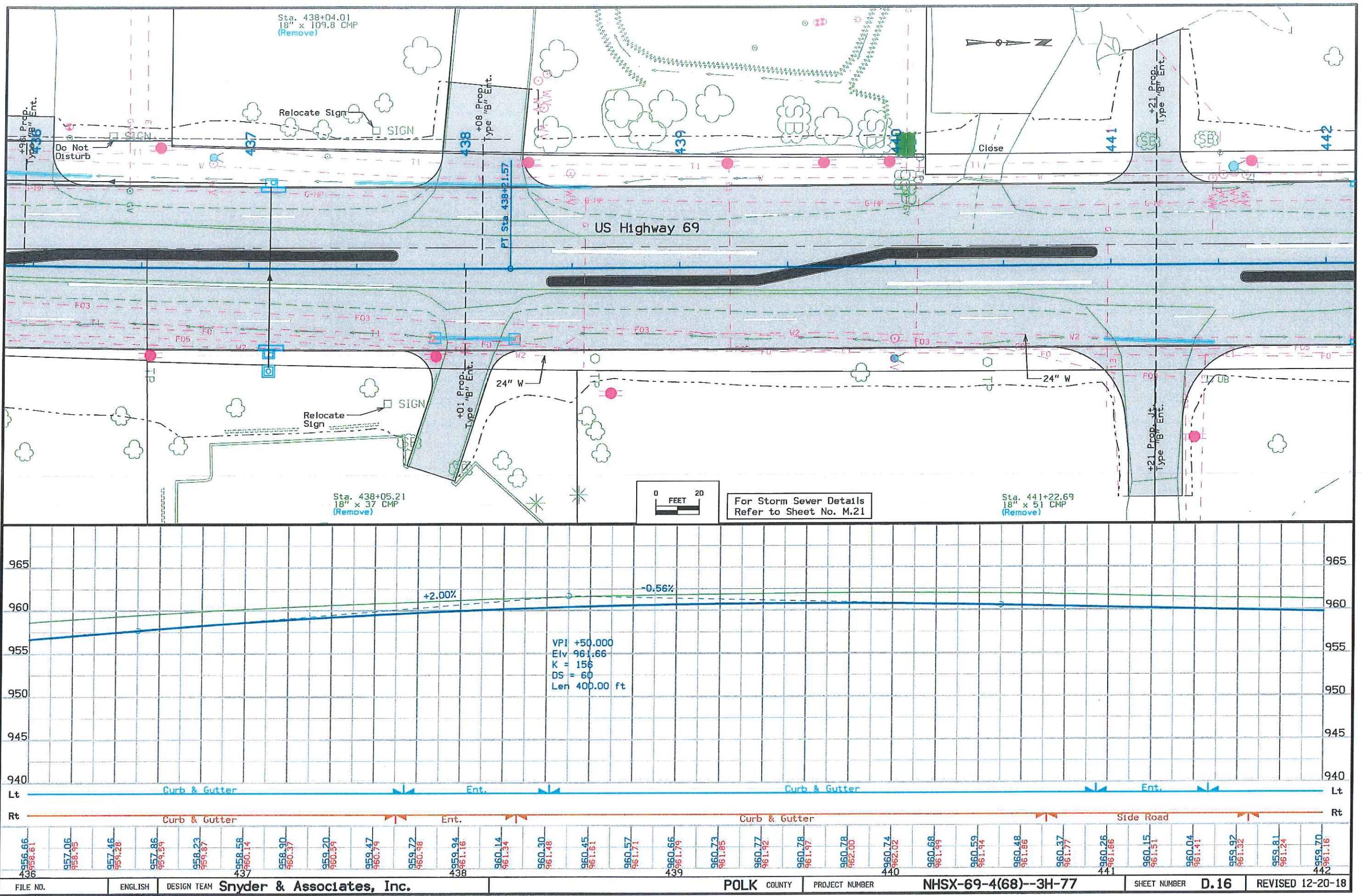


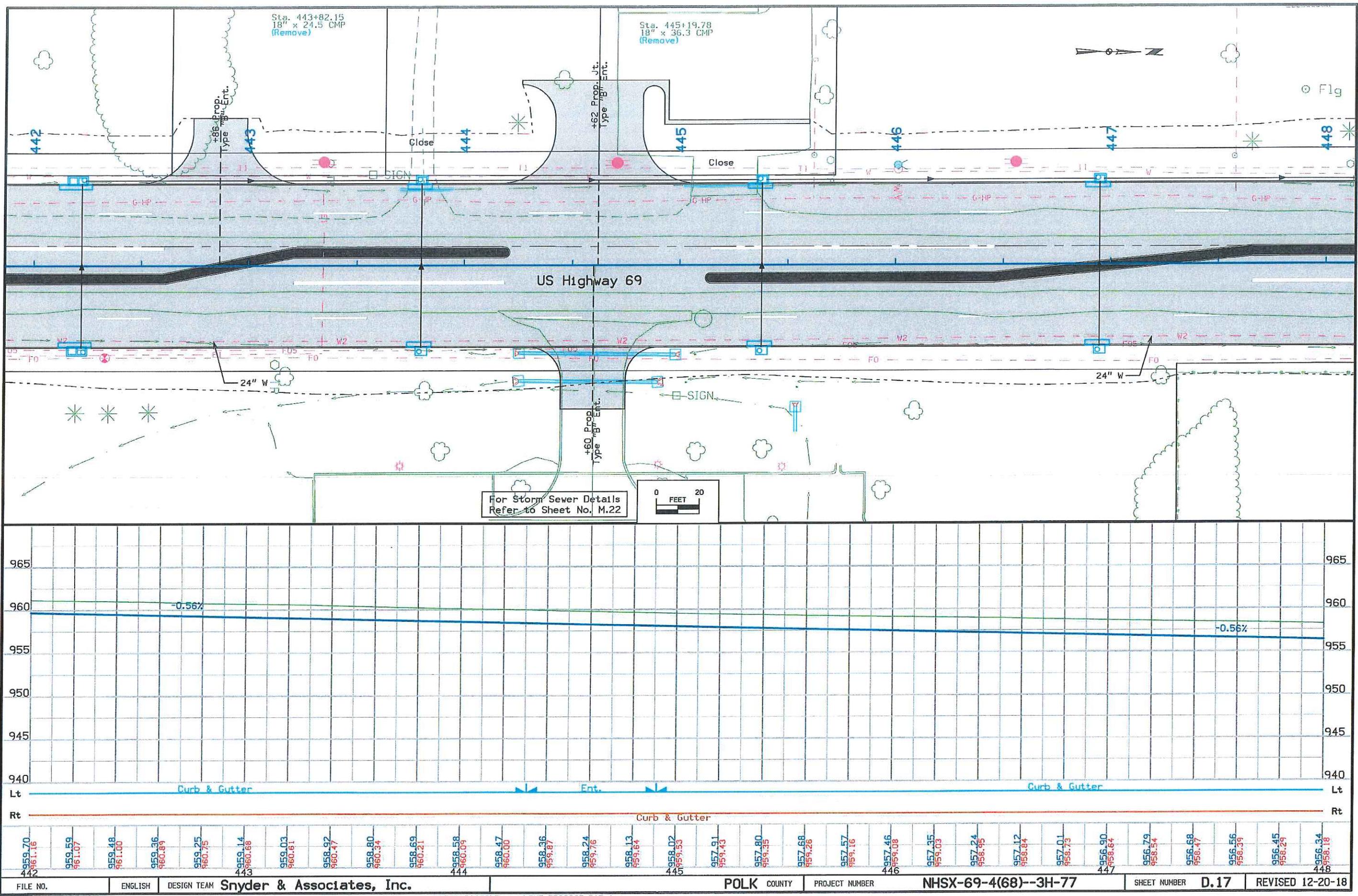


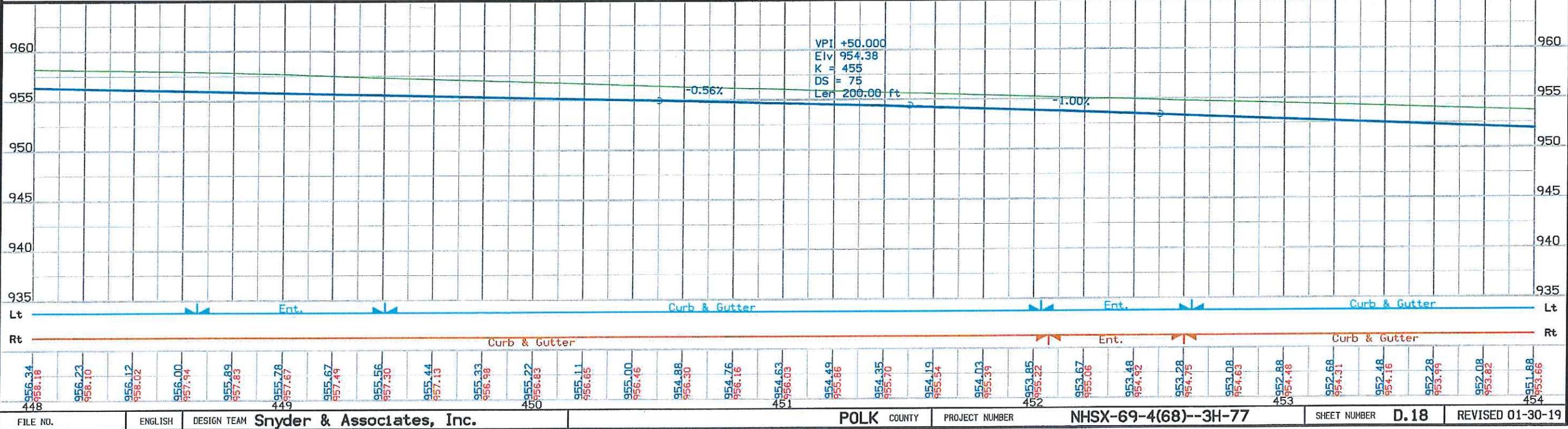
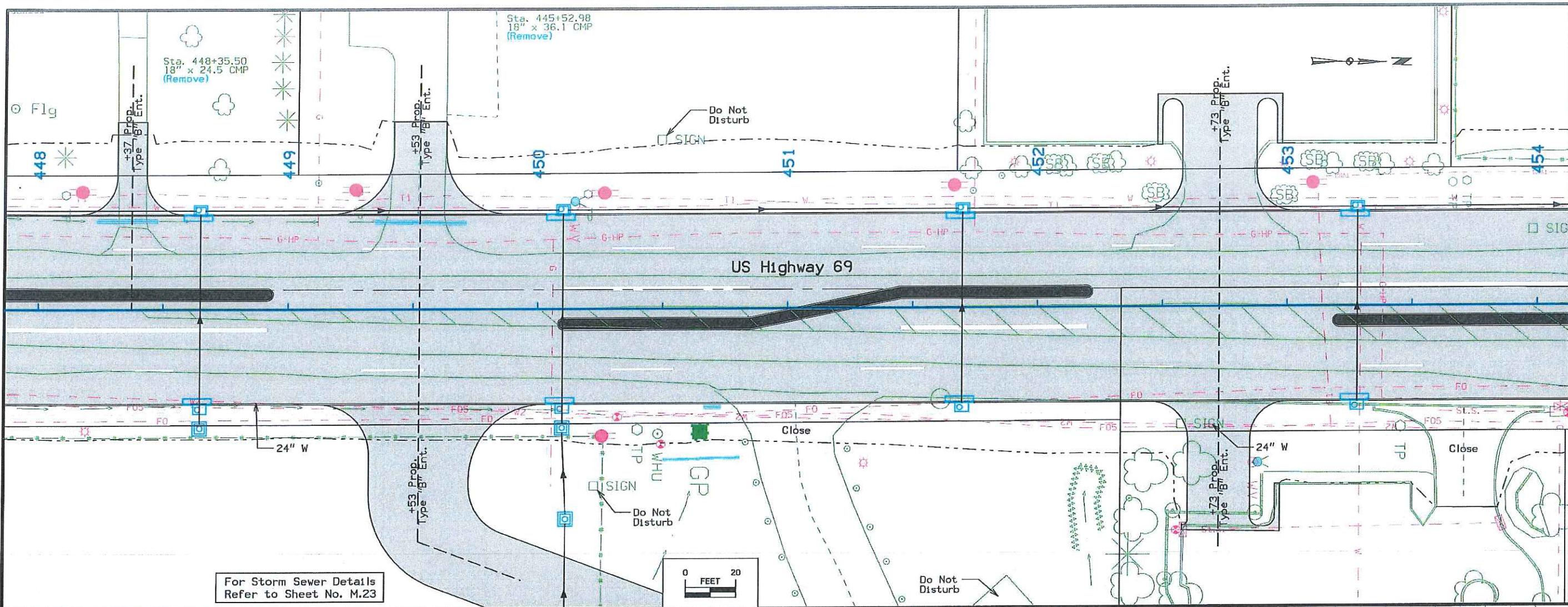


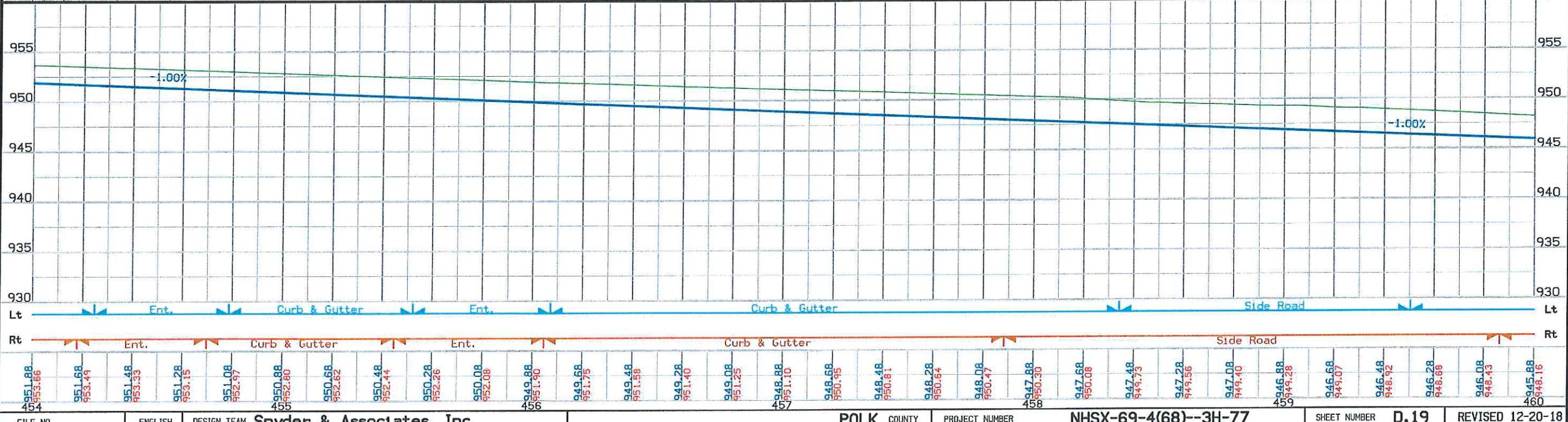
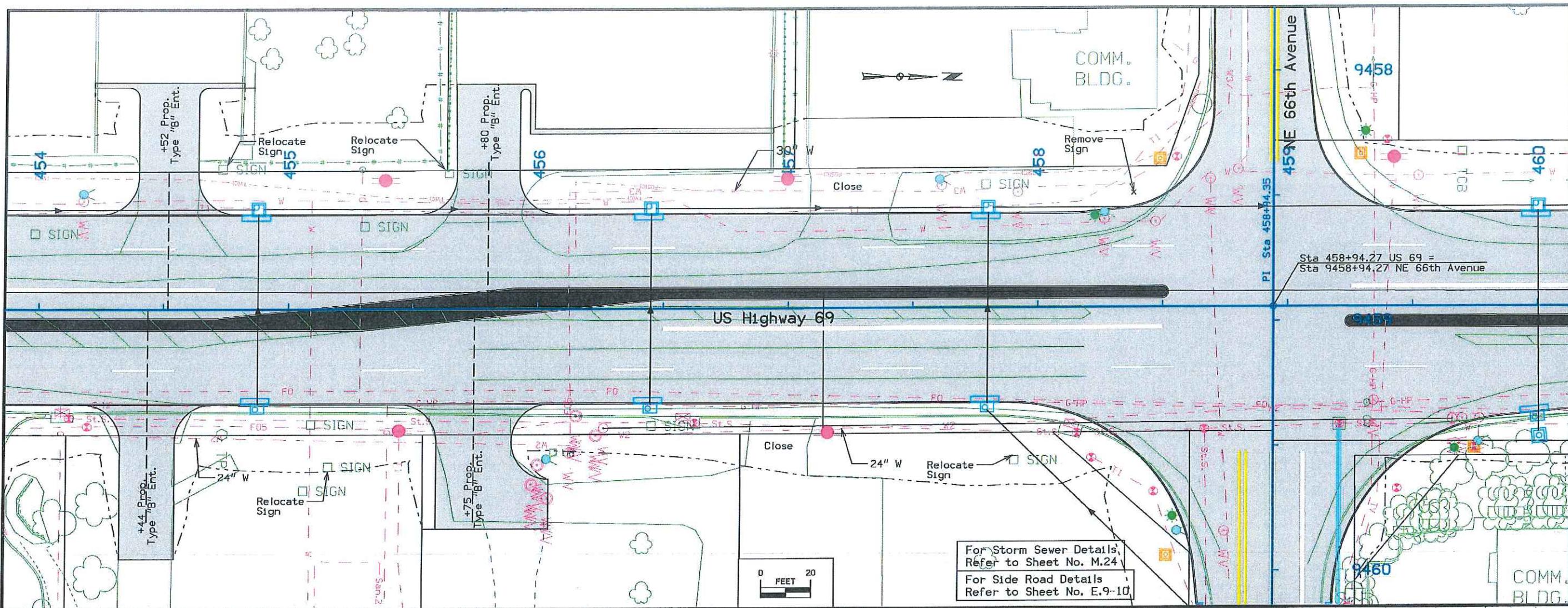


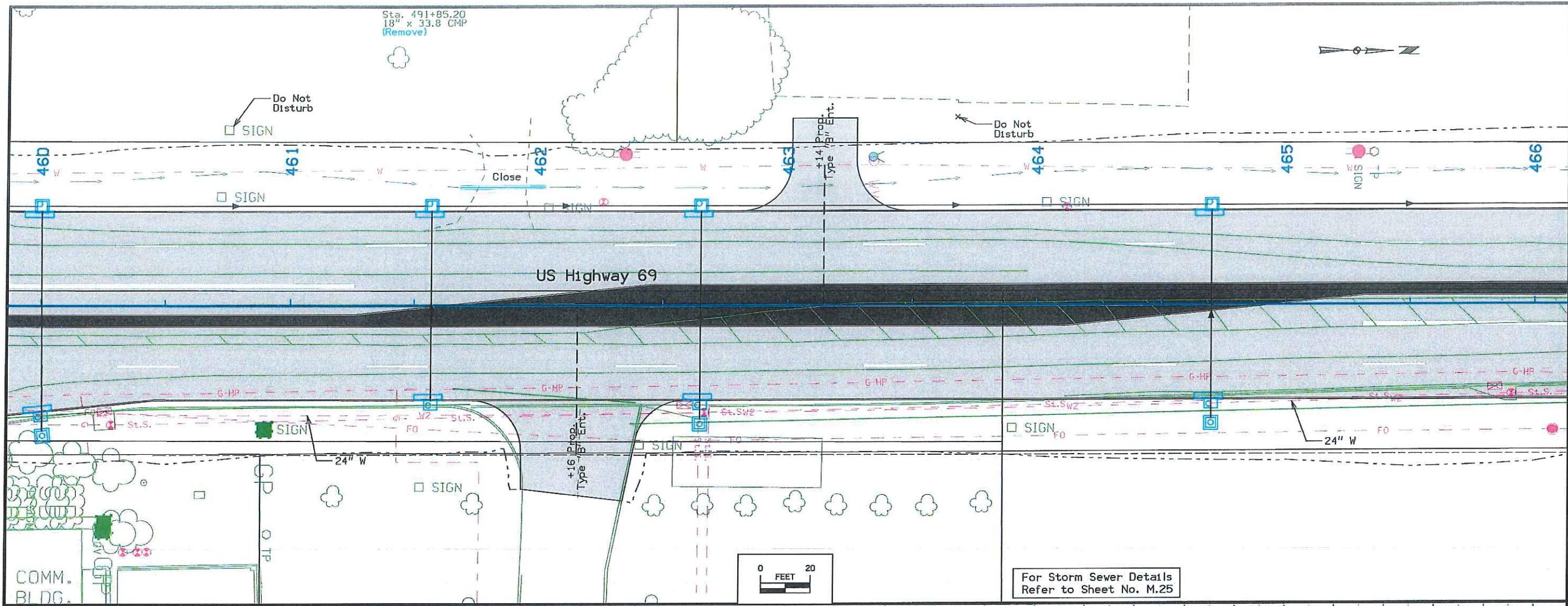




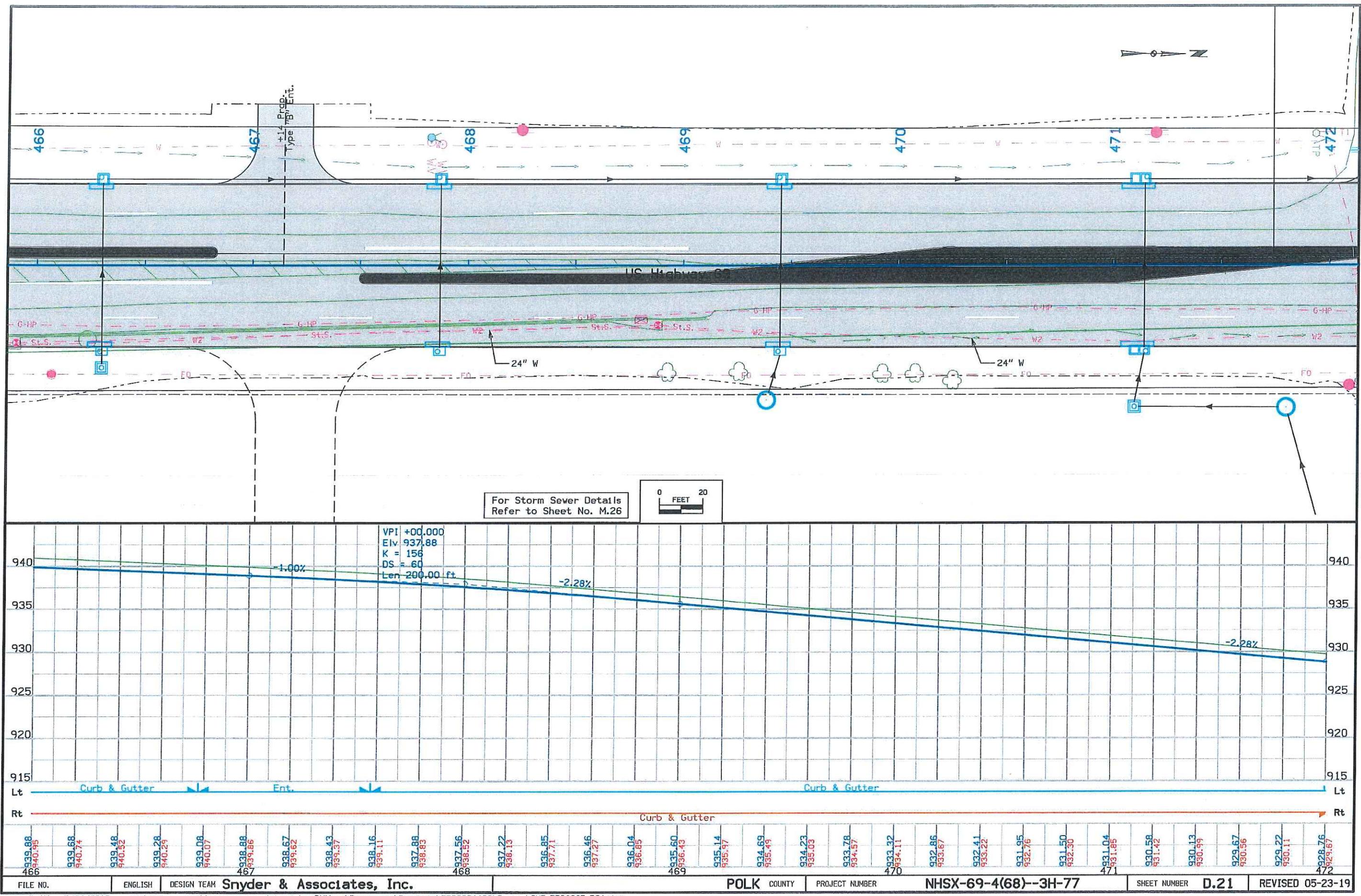




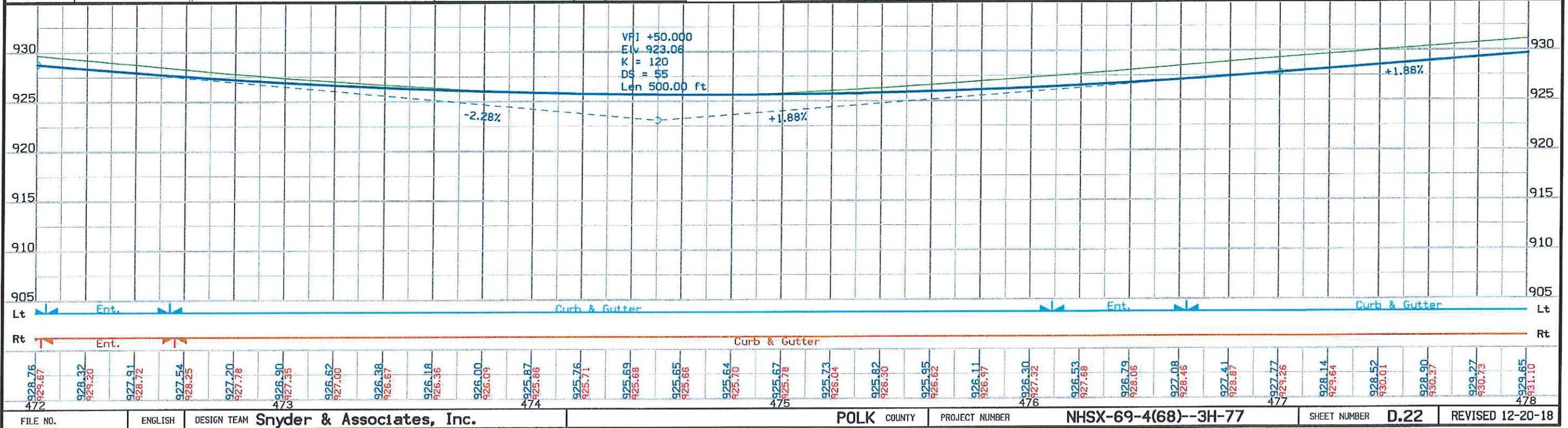
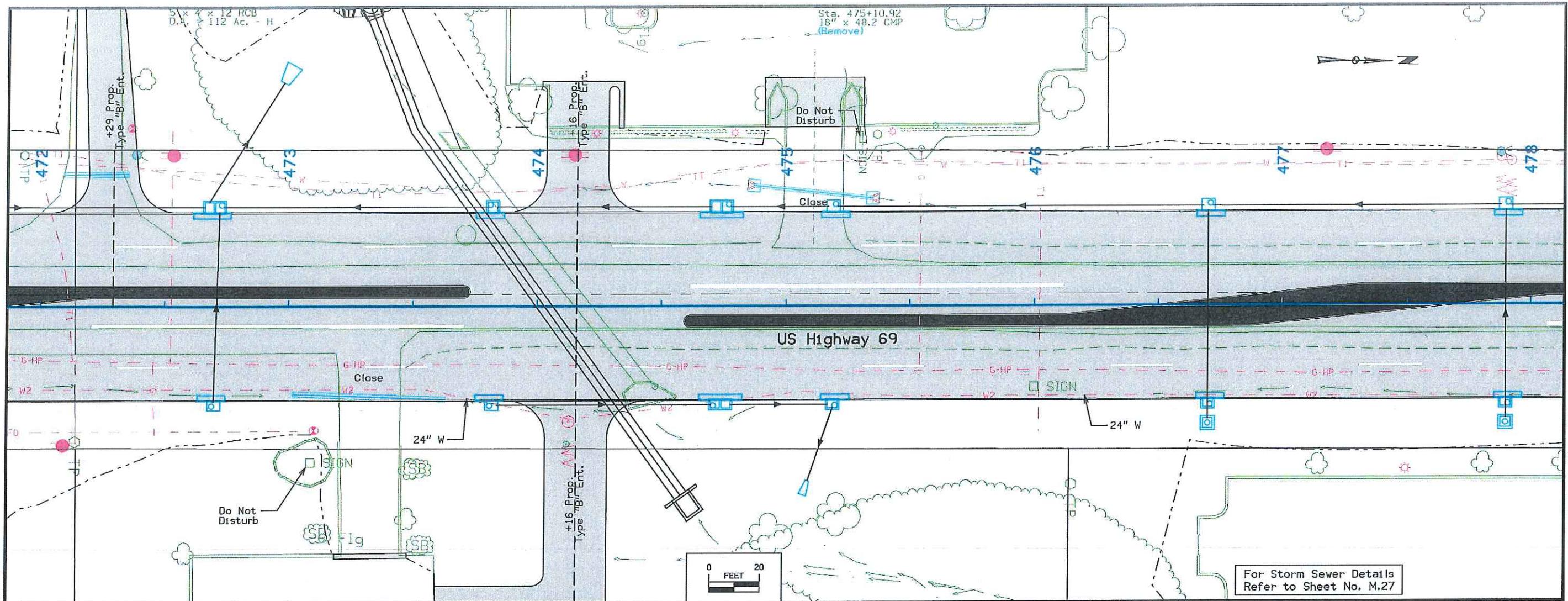




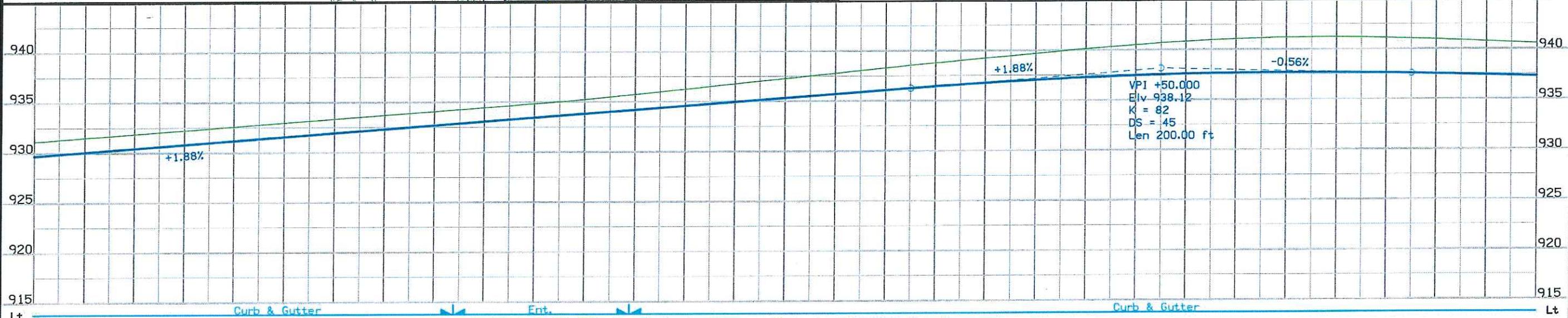
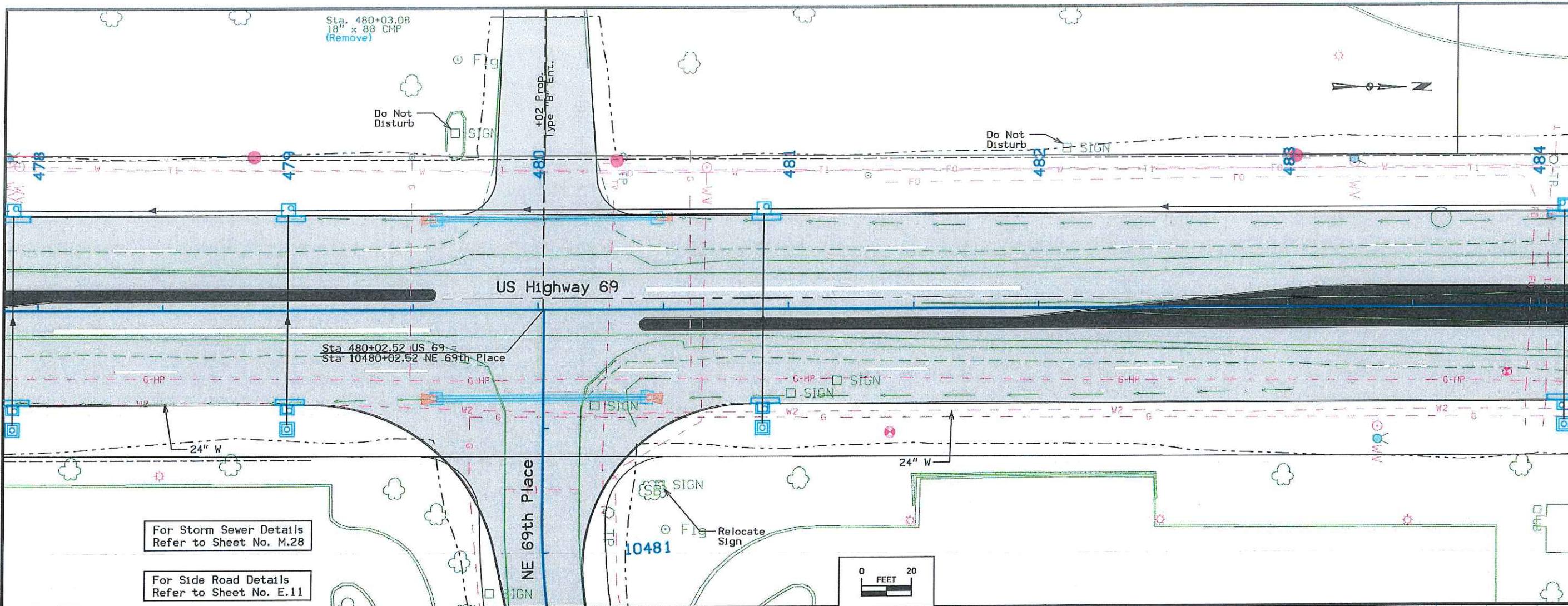
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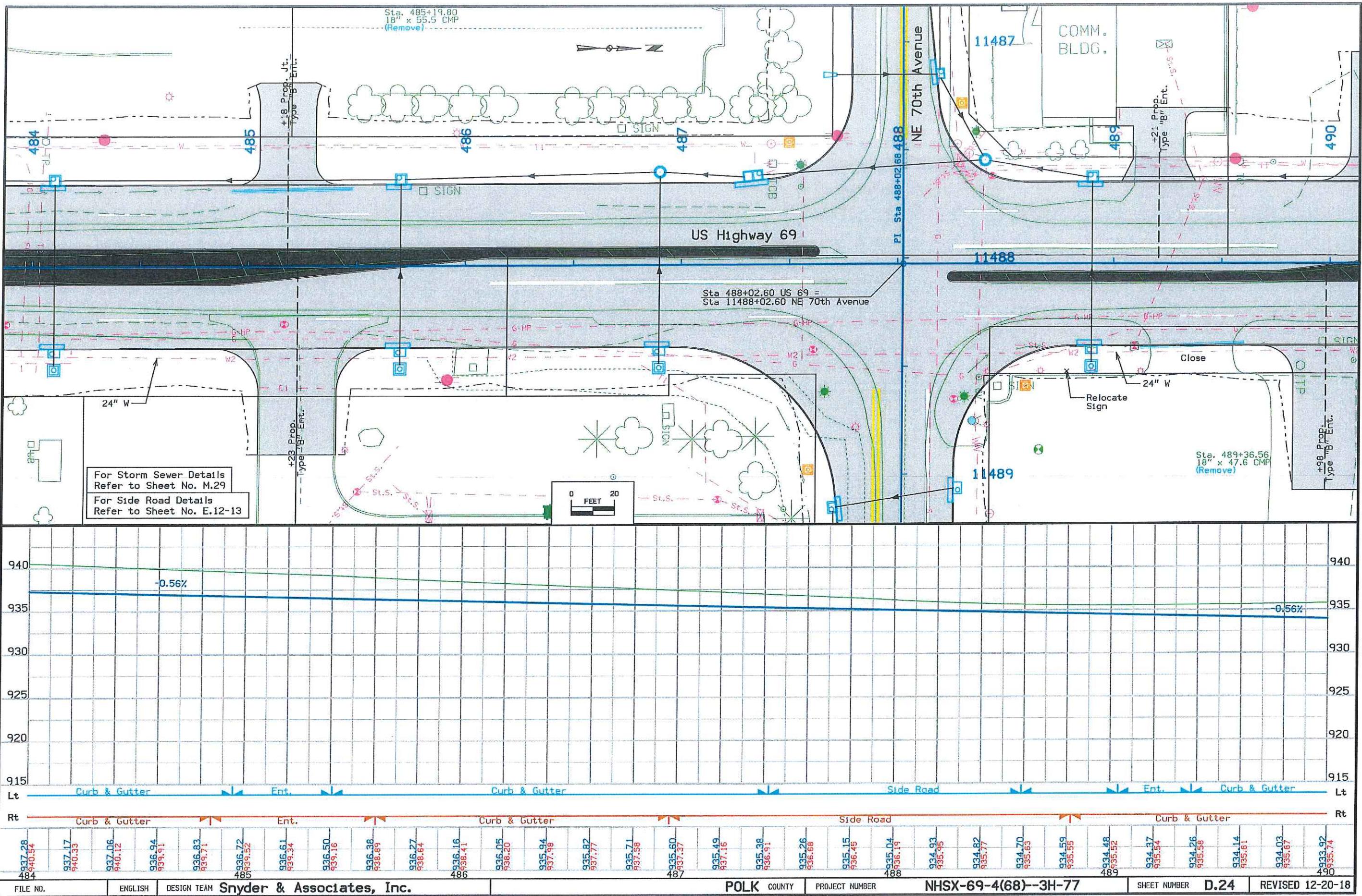
FILE NO. ENGLISH DESIGN TEAM **Snyder & Associates, Inc.** POLK COUNTY PROJECT NUMBER **NHSX-69-4(68)-3H-77** SHEET NUMBER **D.21** REVISED 05-23-19

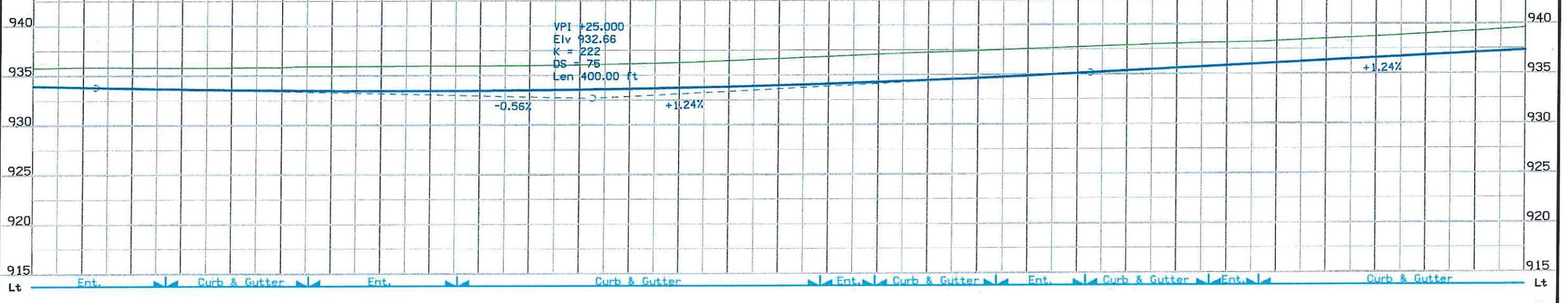
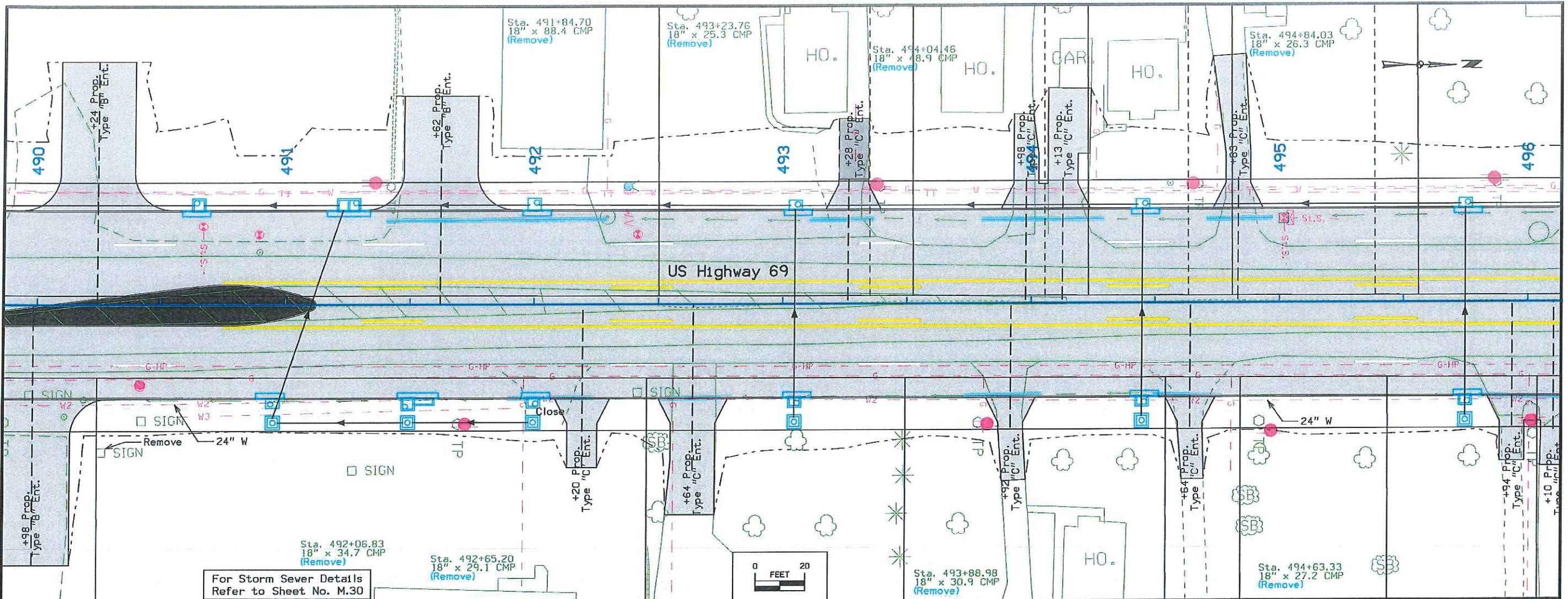


FILE NO. ENGLISH DESIGN TEAM Snyder & Associates, Inc. POLK COUNTY PROJECT NUMBER NHSX-69-4(68)-3H-77 SHEET NUMBER D.22 REVISED 12-20-18



FILE NO.	ENGLISH	DESIGN TEAM	Snyder & Associates, Inc.	POLK COUNTY	PROJECT NUMBER	NHSX-69-4(68)-3H-77	HEET NUMBER	D.23	REVISED 12-20-18
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FILE NO.	ENGLISH	DESIGN TEAM	Snyder & Associates, Inc.	POLK COUNTY	PROJECT NUMBER	NHSX-69-4(68)-3H-77	SHEET NUMBER	D.25	REVISED 12-20-18
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