

NOTES

1. ALL ROADS, PAVED DRIVEWAYS AND SIDEWALKS WILL BE BORED.
2. DISTANCES SHOWN ARE APPROXIMATE ONLY.
3. CONTRACTOR WILL FIELD VERIFY CONDITIONS AND MATERIALS NEEDED PRIOR TO CONSTRUCTION.
4. CONTRACTOR TO CONTACT IOWA ONE CALL TO VERIFY LOCATION AND DEPTHS OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR WILL MAINTAIN ACCEPTABLE DEPTH ABOVE OR BELOW CITY UTILITIES CROSSED.
5. ALL TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). CONTRACTOR TO OBTAIN ALL APPLICABLE PERMITS INCLUDING BUT NOT LIMITED TO CLOSURE PERMITS. ALL PERMITS SHALL BE OBTAINED PRIOR TO CONSTRUCTION.
6. THERE ARE NO LANE CLOSURES OR TRAFFIC DISRUPTIONS ANTICIPATED WITH THIS PROJECT.

UTILITY WARNING

ANY UTILITIES SHOWN HAVE BEEN LOCATED FROM MAPS AND RECORDS OBTAINED BY THIS SURVEYOR. THE SURVEYOR MAKES NO GUARANTEE THAT THE UTILITIES SHOWN COMPRISE ALL THE UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UTILITIES SHOWN ARE IN THE EXACT LOCATION SHOWN.

PROPOSED:

- 2" ORANGE CONDUIT=7114 L.F.
- 4 NEW HANDHOLES



LEGEND

TELEPHONE PEDESTAL		SIGN	
WATER VALVE		POWER POLE	
FIRE HYDRANT		TELEVISION PEDESTAL	
TELEPHONE LINE		SANITARY SEWER MANHOLE	
CABLE TELEVISION LINE		STORM SEWER MANHOLE	
FIBER OPTICS LINE		ROUND STORM SEWER INTAKE	
WATERMAIN		STORM SEWER INTAKE	
STORM SEWER		UNDERGROUND CONDUIT	
SANITARY SEWER		HANDHOLE	
GAS LINE		FIBER OPTIC VAULT	
ELECTRIC LINE		FIBER OPTIC MANHOLE	
OVERHEAD ELECTRIC LINE			

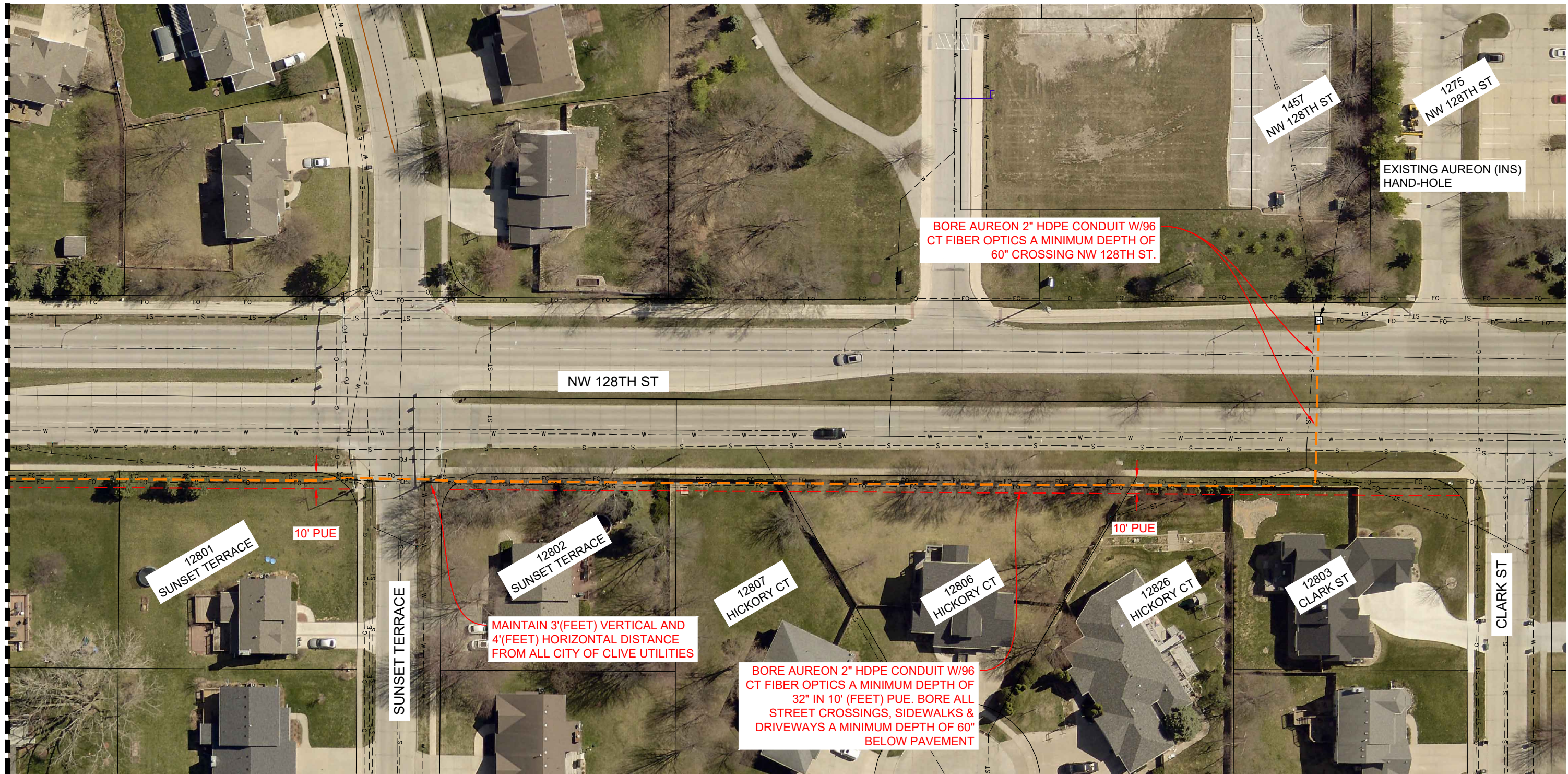
ESTIMATED PLOWING	ESTIMATED BORES	BACKHOE WORK	TRENCHING	MISC.	NOTES

AUREON
PROJECT NO. 2208.549
CLIVE, IOWA Sheet 1 of 18

#	REVISION	DATE	NAME	SCALE:
1		8/17/22		

SCALE: 0' 125' 250' 500'

DATE: 8/9/2022



SEE: SHEET 3

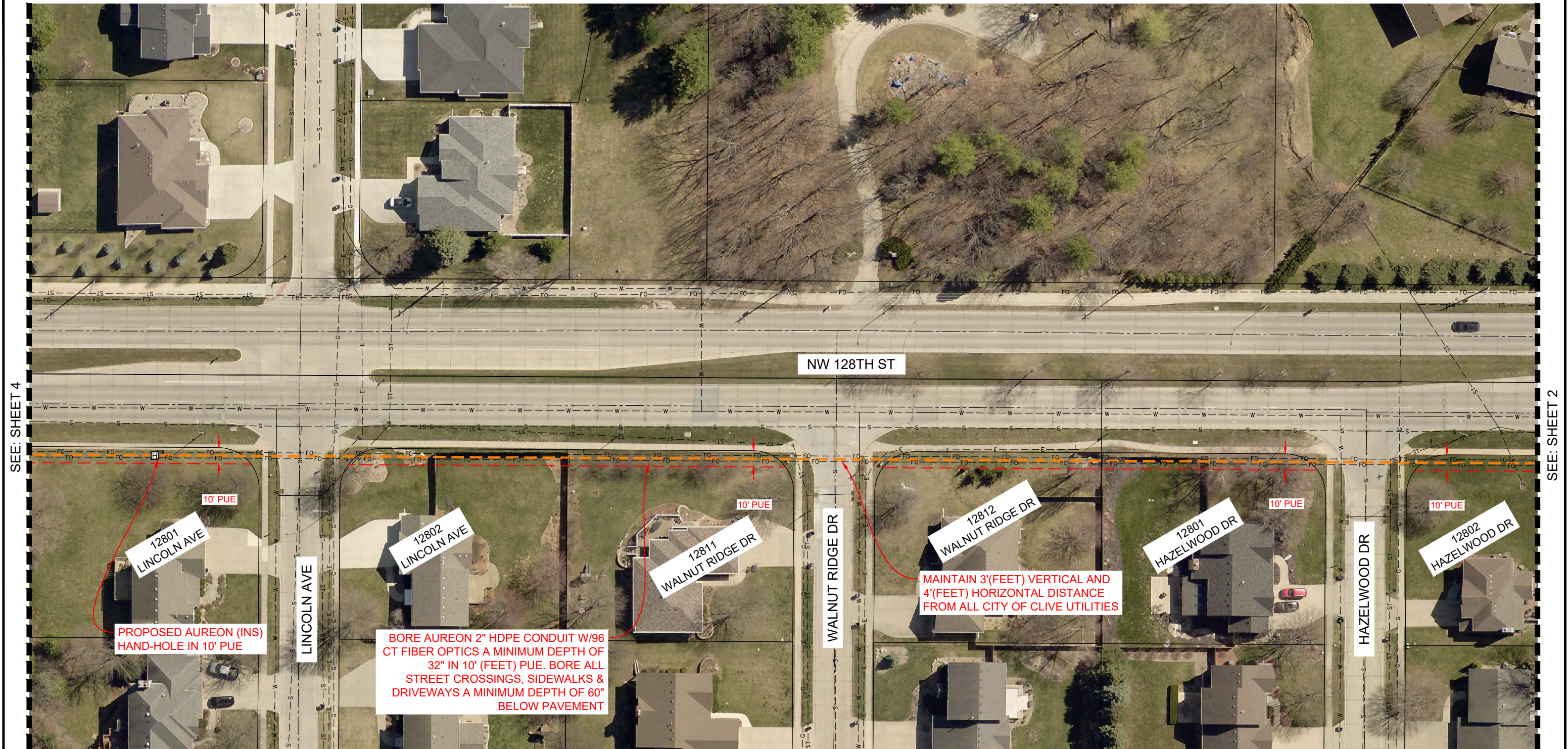
ESTIMATED PLOWING	ESTIMATED BORES	BACKHOE WORK	TRENCHING	MISC.	NOTES

AUREON
 PROJECT NO. 2208.549
 CLIVE, IOWA Sheet 2 of 18

#	REVISION	DATE	NAME	SCALE:
1		8/17/22		

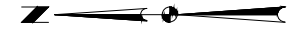
SCALE: 0' 15' 30' 60'

DATE: 8/9/2022



SEE: SHEET 4

SEE: SHEET 2



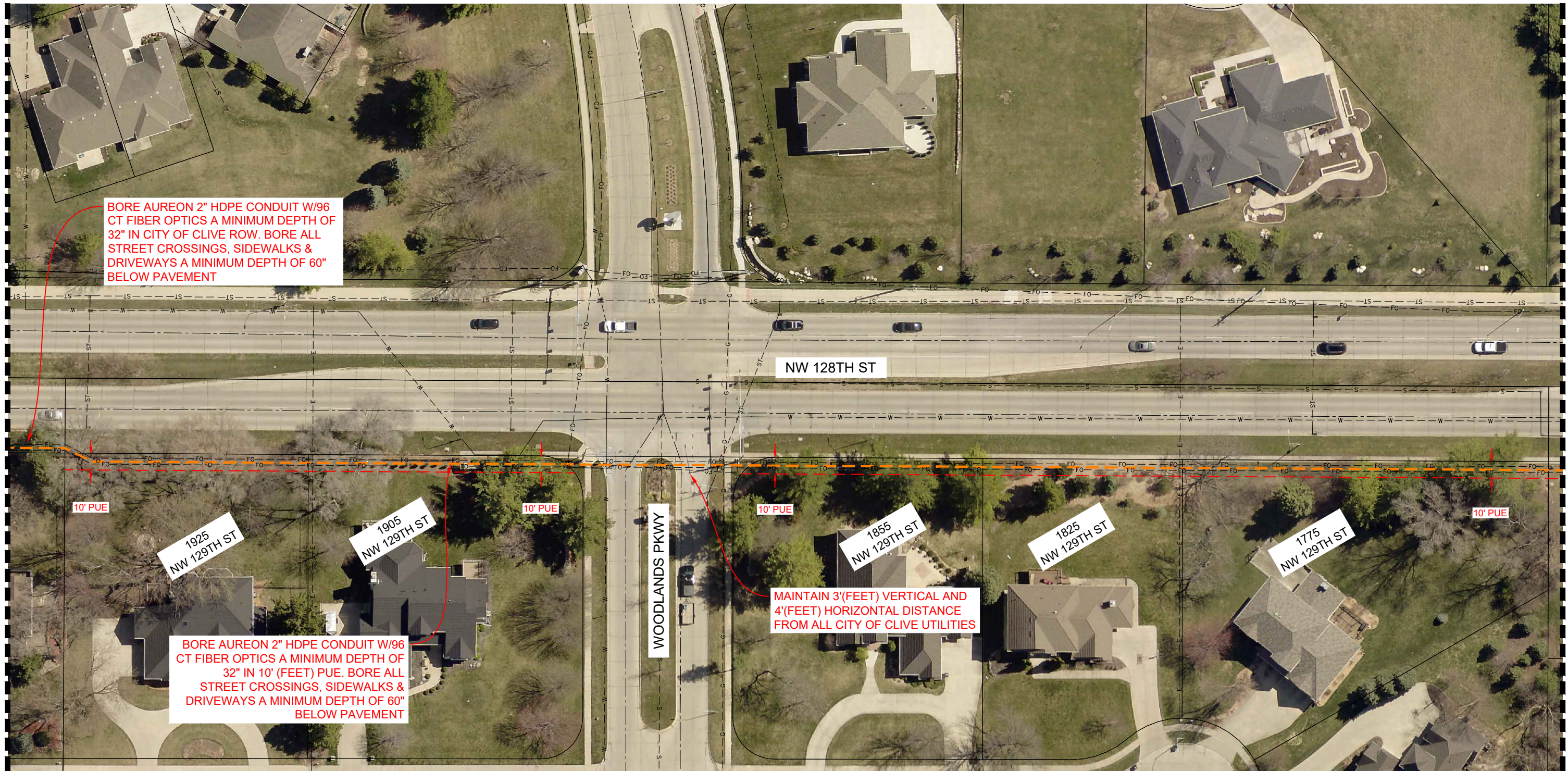
ESTIMATED PLOWING	ESTIMATED BORES	BACKHOE WORK	TRENCHING	MISC.	NOTES

AUREON
 PROJECT NO. 2208.549
 CLIVE, IOWA Sheet 3 of 18

#	REVISION	DATE	NAME	SCALE:
1		8/17/22		

SCALE: 0' 15' 30' 60'

DATE: 8/9/2022



SEE: SHEET 5

SEE: SHEET 3

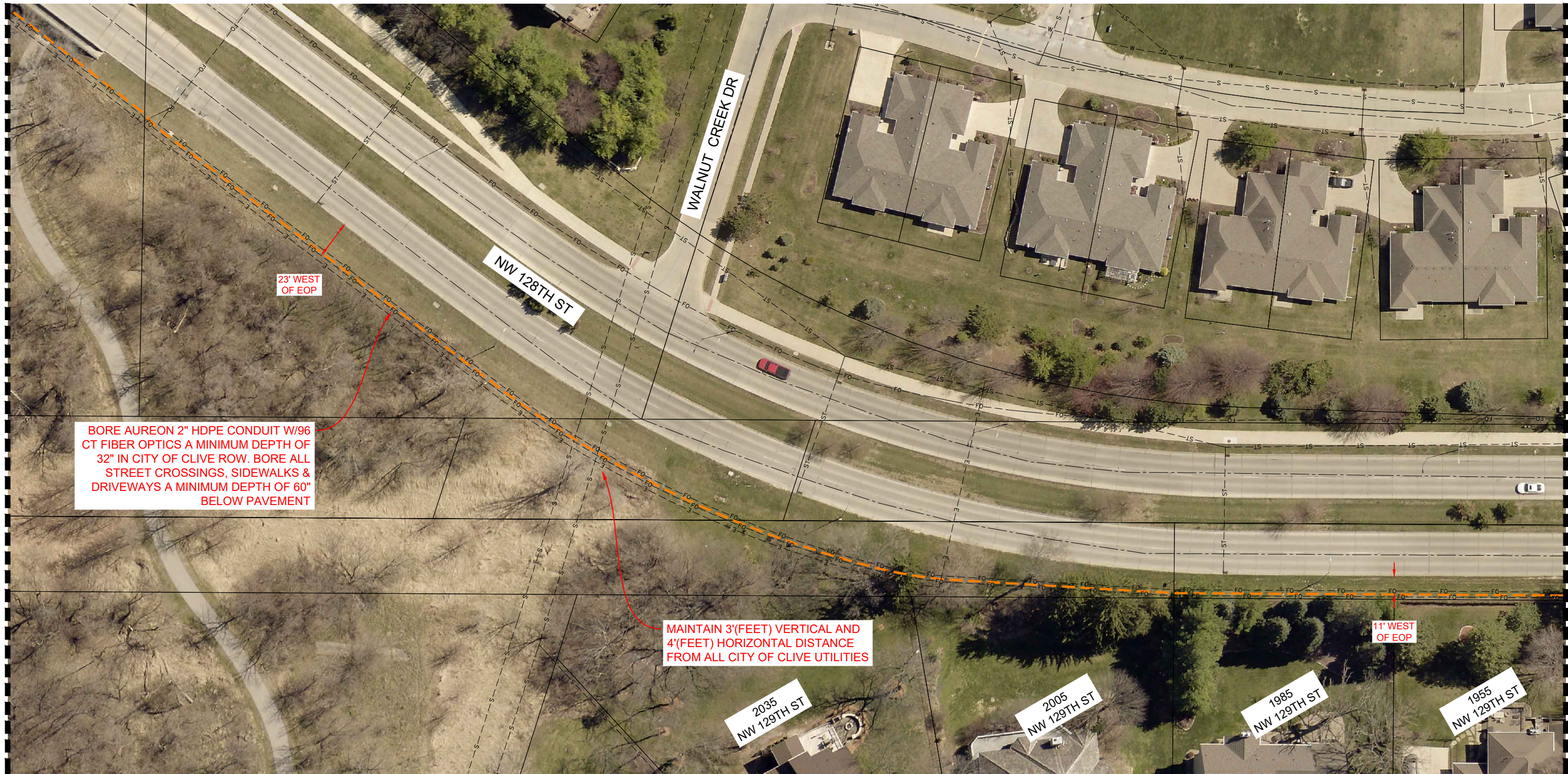
ESTIMATED PLOWING	ESTIMATED BORES	BACKHOE WORK	TRENCHING	MISC.	NOTES

AUREON
 PROJECT NO. 2208.549
 CLIVE, IOWA Sheet 4 of 18

#	REVISION	DATE	NAME	SCALE:
1		8/17/22		

SCALE: 0' 15' 30' 60'

DATE: 8/9/2022



SEE: SHEET 6

SEE: SHEET 4

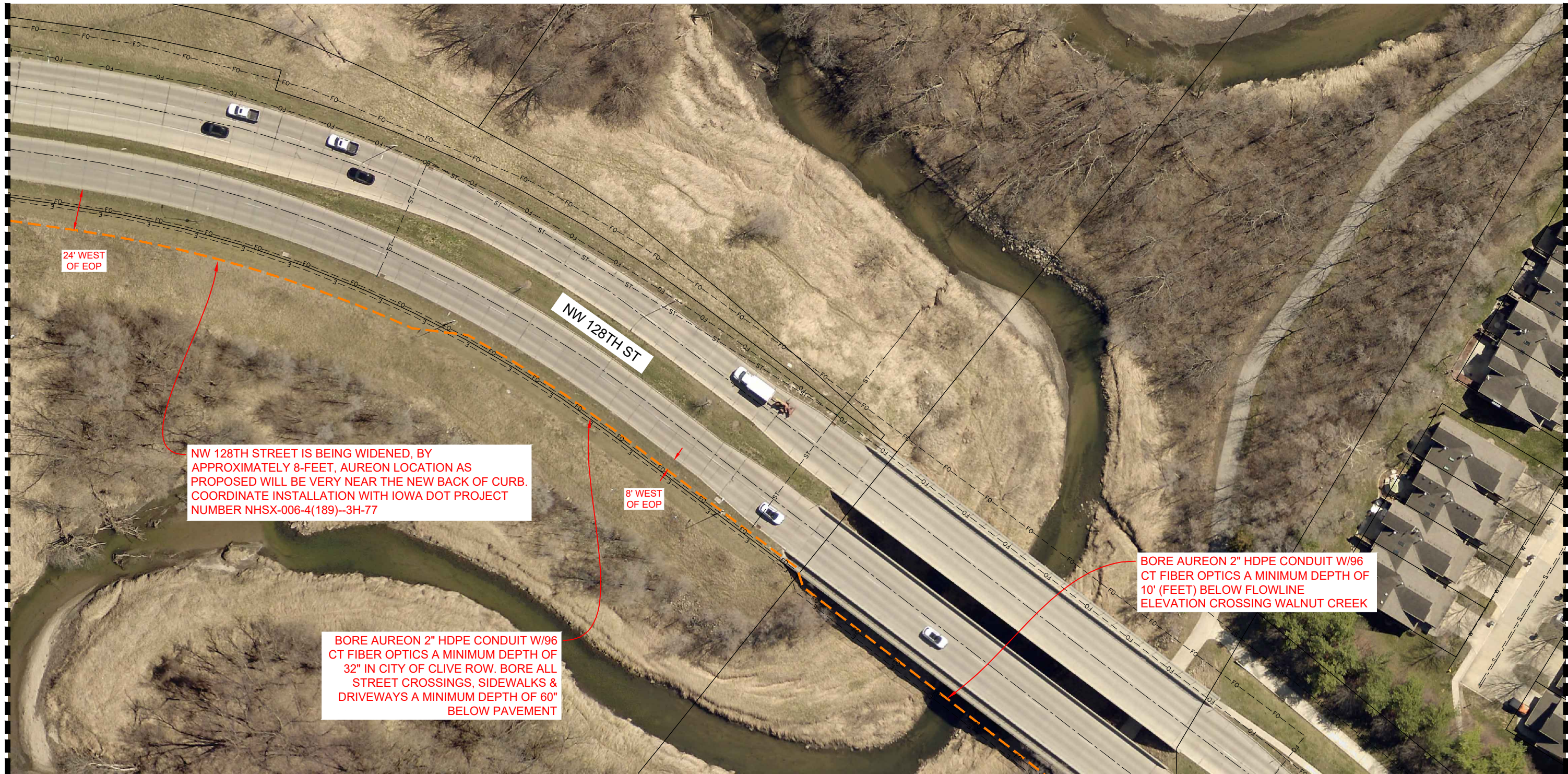
ESTIMATED PLOWING	ESTIMATED BORES	BACKHOE WORK	TRENCHING	MISC.	NOTES

AUREON
 PROJECT NO. 2208.549
 CLIVE, IOWA Sheet 5 of 18

#	REVISION	DATE	NAME	SCALE:
1		8/17/22		

SCALE: 0' 15' 30' 60'

DATE: 8/9/2022



SEE: SHEET 7

SEE: SHEET 5


NW 128TH STREET IS BEING WIDENED, BY APPROXIMATELY 8-FEET, AUREON LOCATION AS PROPOSED WILL BE VERY NEAR THE NEW BACK OF CURB. COORDINATE INSTALLATION WITH IOWA DOT PROJECT NUMBER NHSX-006-4(189)--3H-77

BORE AUREON 2" HDPE CONDUIT W/96 CT FIBER OPTICS A MINIMUM DEPTH OF 32" IN CITY OF CLIVE ROW. BORE ALL STREET CROSSINGS, SIDEWALKS & DRIVEWAYS A MINIMUM DEPTH OF 60" BELOW PAVEMENT

BORE AUREON 2" HDPE CONDUIT W/96 CT FIBER OPTICS A MINIMUM DEPTH OF 10' (FEET) BELOW FLOWLINE ELEVATION CROSSING WALNUT CREEK




ESTIMATED PLOWING	ESTIMATED BORES	BACKHOE WORK	TRENCHING	MISC.	NOTES



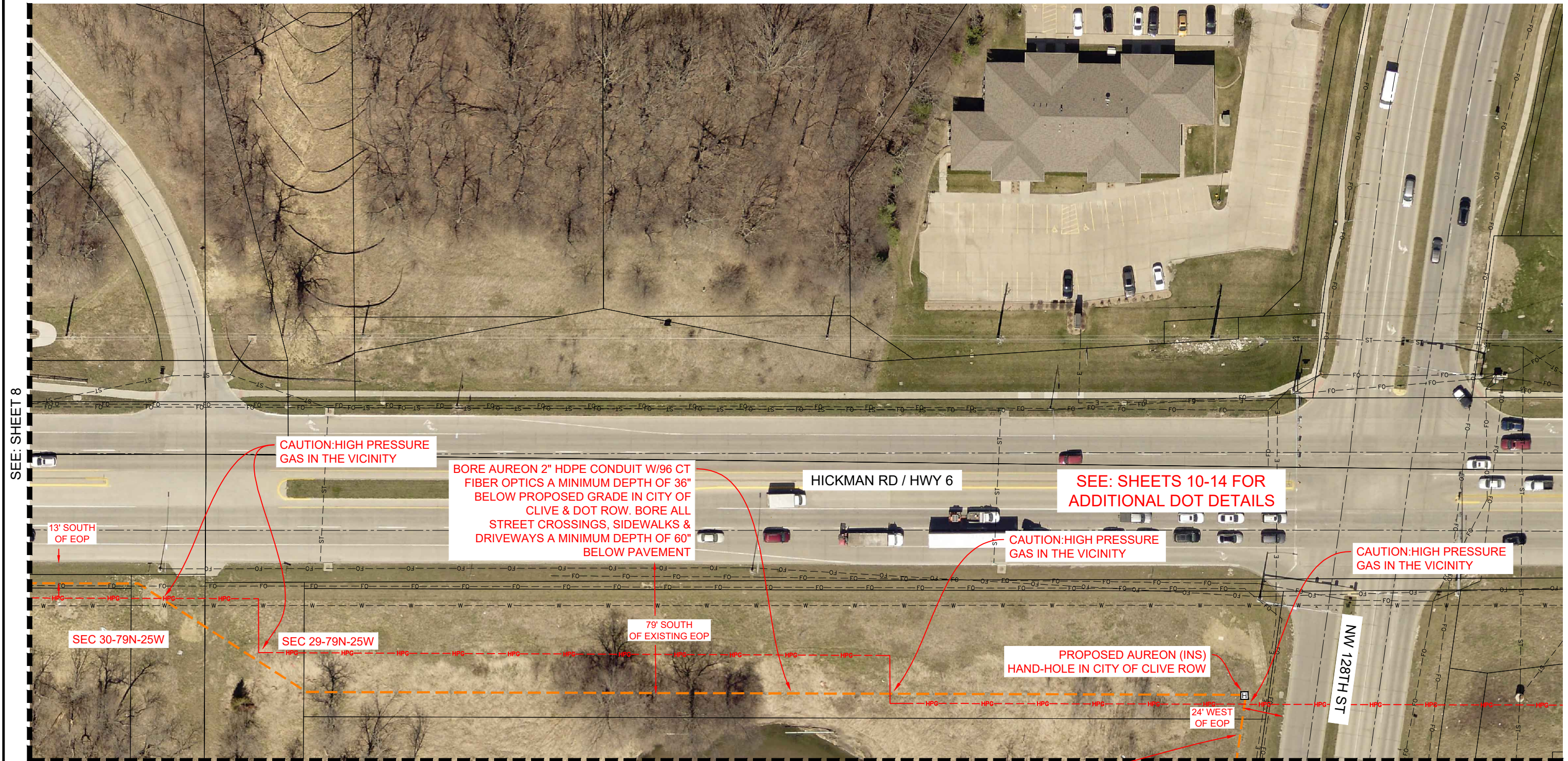
PROJECT NO. 2208.549
CLIVE, IOWA Sheet 6 of 18

#	REVISION	DATE	NAME	SCALE:
1		8/17/22		



SCALE: 0' 15' 30' 60'

DATE: 8/9/2022



SEE: SHEET 8

SEE: SHEET 6

NW 128TH STREET IS BEING WIDENED, BY APPROXIMATELY 8-FEET, AUREON LOCATION AS PROPOSED WILL BE VERY NEAR THE NEW BACK OF CURB. COORDINATE INSTALLATION WITH IOWA DOT PROJECT NUMBER NHSX-006-4(189)-3H-77

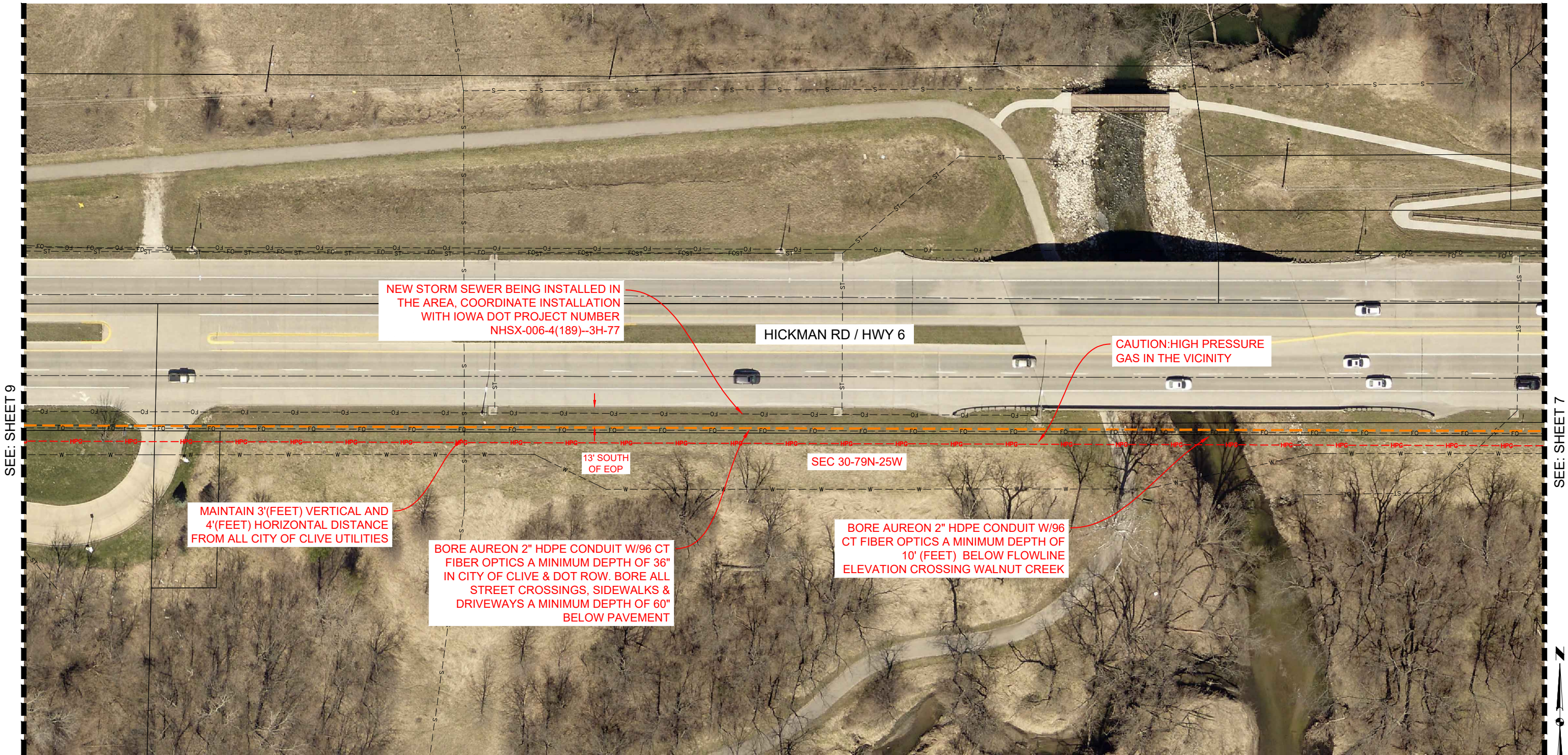
ESTIMATED PLOWING	ESTIMATED BORES	BACKHOE WORK	TRENCHING	MISC.	NOTES

AUREON
 PROJECT NO. 2208.549
 CLIVE, IOWA Sheet 7 of 18

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SEE: SHEET 9

SEE: SHEET 7

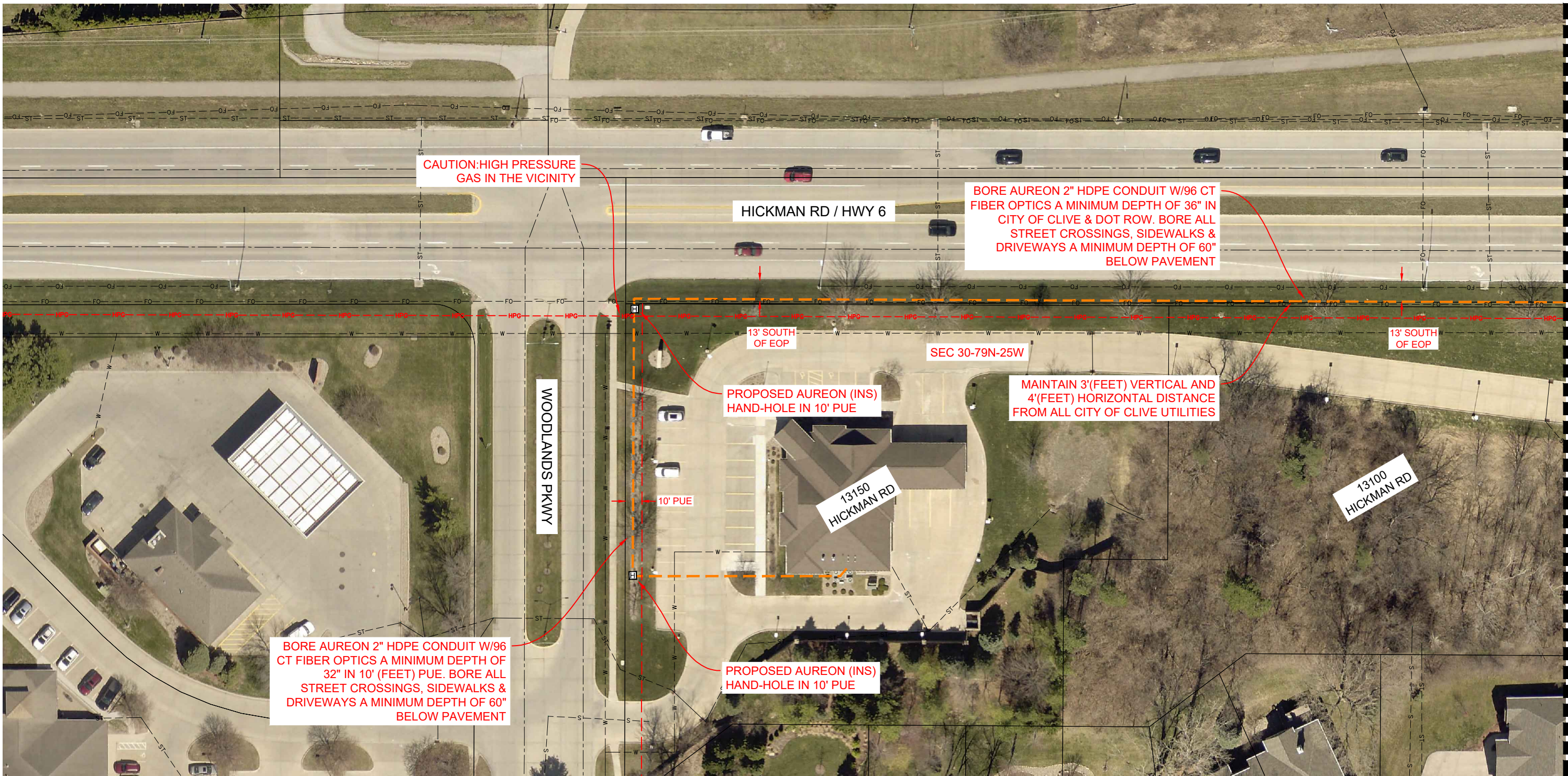
ESTIMATED PLOWING	ESTIMATED BORES	BACKHOE WORK	TRENCHING	MISC.	NOTES

AUREON
 PROJECT NO. 2208.549
 CLIVE, IOWA Sheet 8 of 18

#	REVISION	DATE	NAME	SCALE:
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SEE: SHEET 8

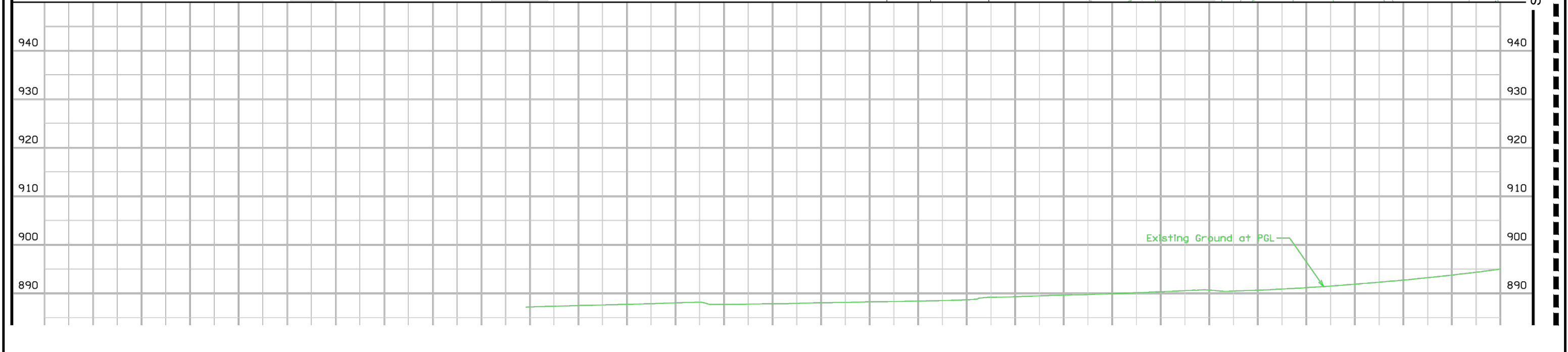
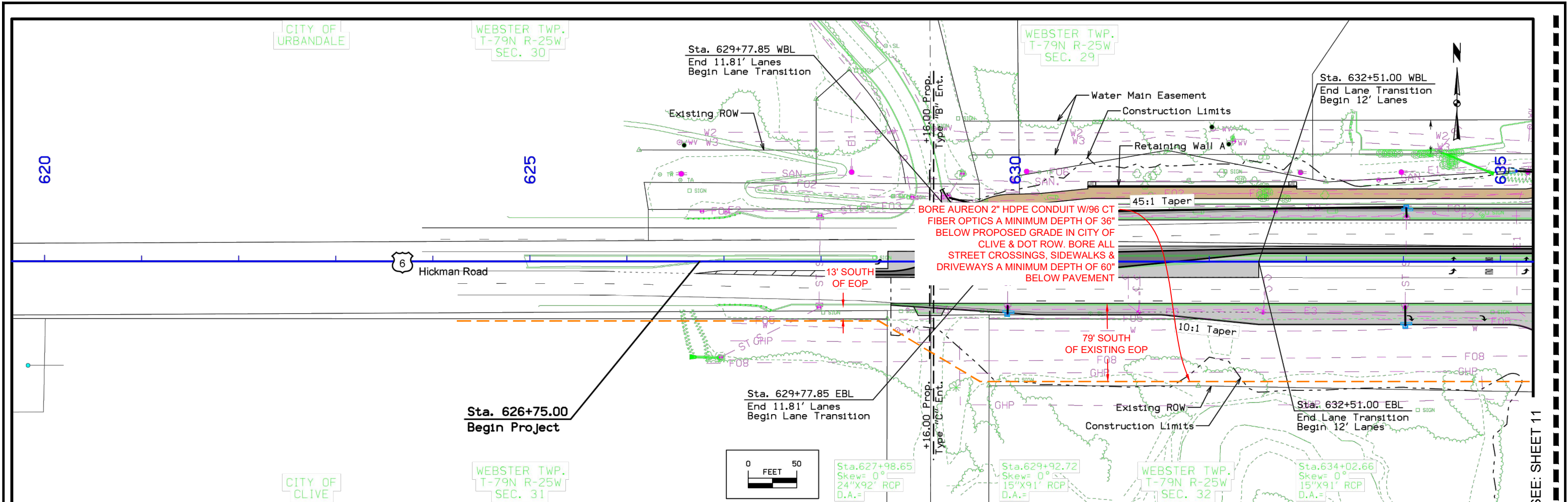
ESTIMATED PLOWING	ESTIMATED BORES	BACKHOE WORK	TRENCHING	MISC.	NOTES

AUREONTM
 PROJECT NO. 2208.549
 CLIVE, IOWA Sheet 9 of 18

#	REVISION	DATE	NAME	SCALE:
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SCALE: 0' 15' 30' 60'

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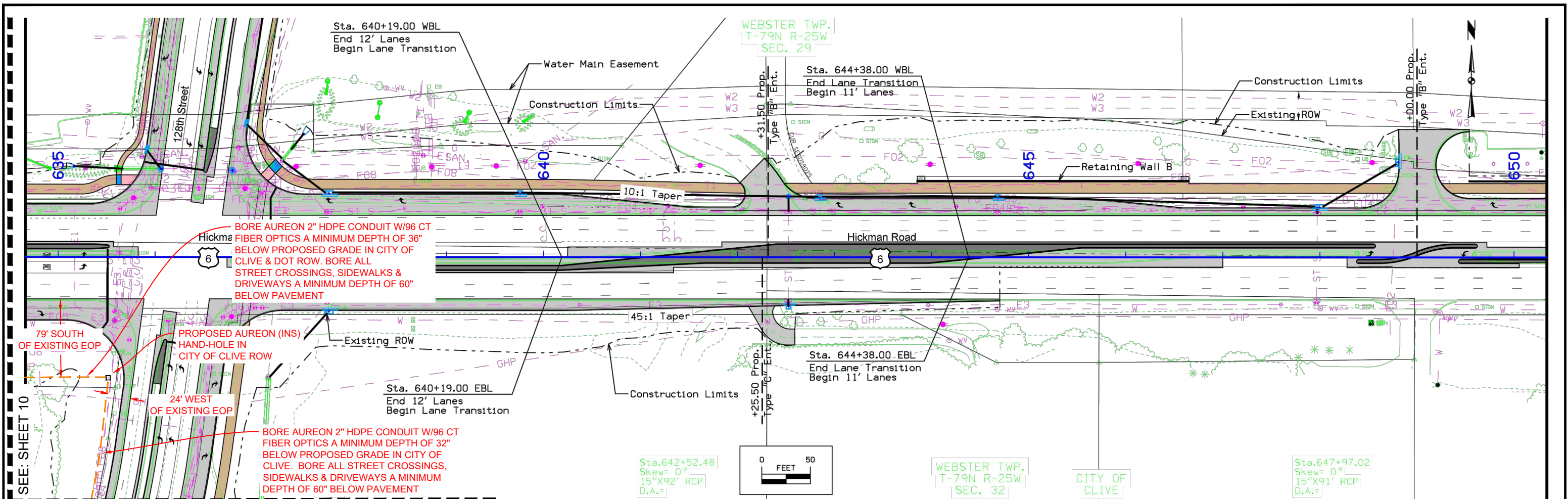
ESTIMATED PLOWING	ESTIMATED BORES	BACKHOE WORK	TRENCHING	MISC.	NOTES

AUREON
PROJECT NO. 2208.549
CLIVE, IOWA Sheet 10 of 18

#	REVISION	DATE	NAME	SCALE:
1		8/17/22		

DATE: 8/9/2022

SEE SHEET 11



BORE AUREON 2" HDPE CONDUIT W/96 CT FIBER OPTICS A MINIMUM DEPTH OF 36" BELOW PROPOSED GRADE IN CITY OF CLIVE & DOT ROW. BORE ALL STREET CROSSINGS, SIDEWALKS & DRIVEWAYS A MINIMUM DEPTH OF 60" BELOW PAVEMENT

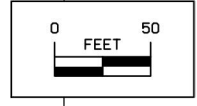
PROPOSED AUREON (INS) HAND-HOLE IN CITY OF CLIVE ROW
24' WEST OF EXISTING EOP

BORE AUREON 2" HDPE CONDUIT W/96 CT FIBER OPTICS A MINIMUM DEPTH OF 32" BELOW PROPOSED GRADE IN CITY OF CLIVE. BORE ALL STREET CROSSINGS, SIDEWALKS & DRIVEWAYS A MINIMUM DEPTH OF 60" BELOW PAVEMENT

SEE: SHEET 10

SEE: SHEET 12

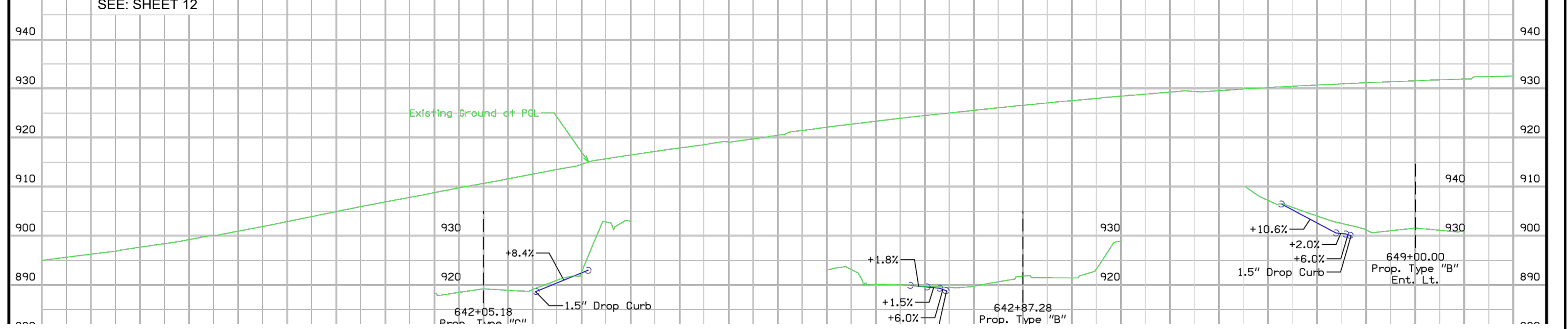
Sta. 642+52.48
Skew= 0°
15"X92' RCP
D.A.=



WEBSTER TWP.
T-79N R-25W
SEC. 32

CITY OF CLIVE

Sta. 647+97.02
Skew= 0°
15"X91' RCP
D.A.=

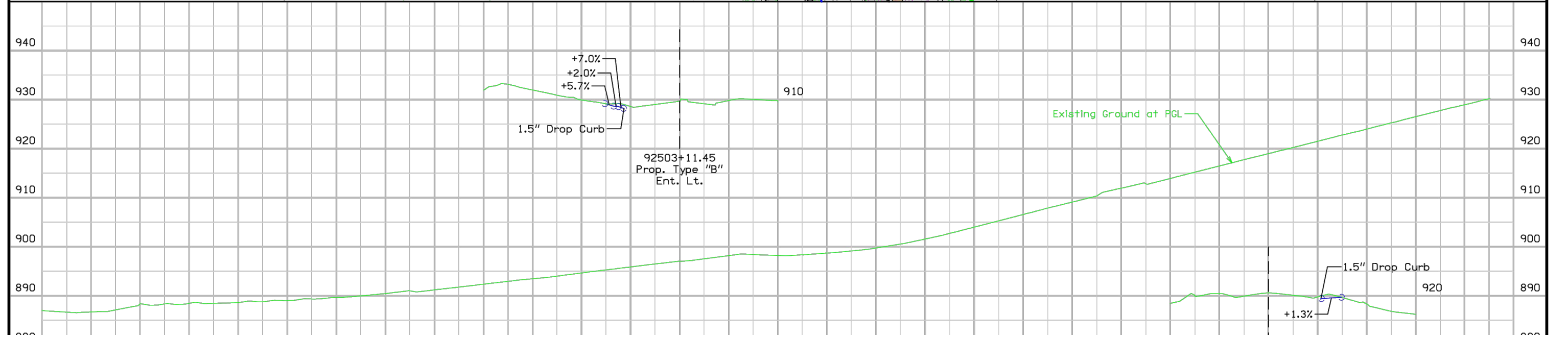
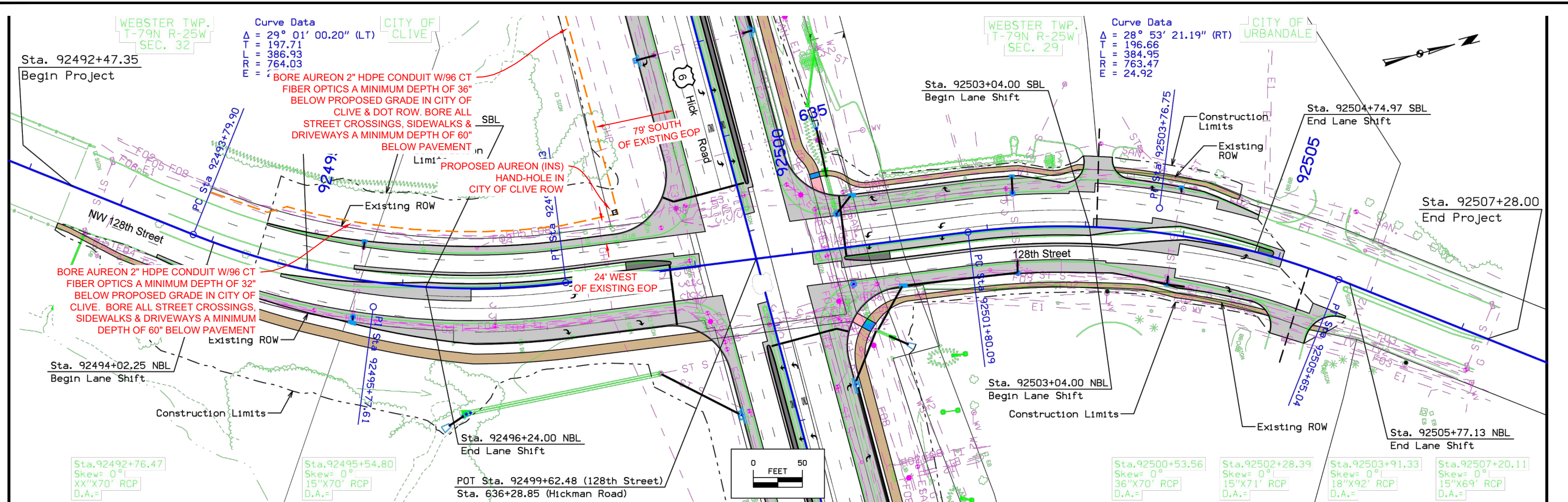


ESTIMATED PLOWING	ESTIMATED BORES	BACKHOE WORK	TRENCHING	MISC.	NOTES

AUREONTM
PROJECT NO. 2208.549
CLIVE, IOWA Sheet 11 of 18

#	REVISION	DATE	NAME	SCALE:
1		8/17/22		

DATE: 8/9/2022

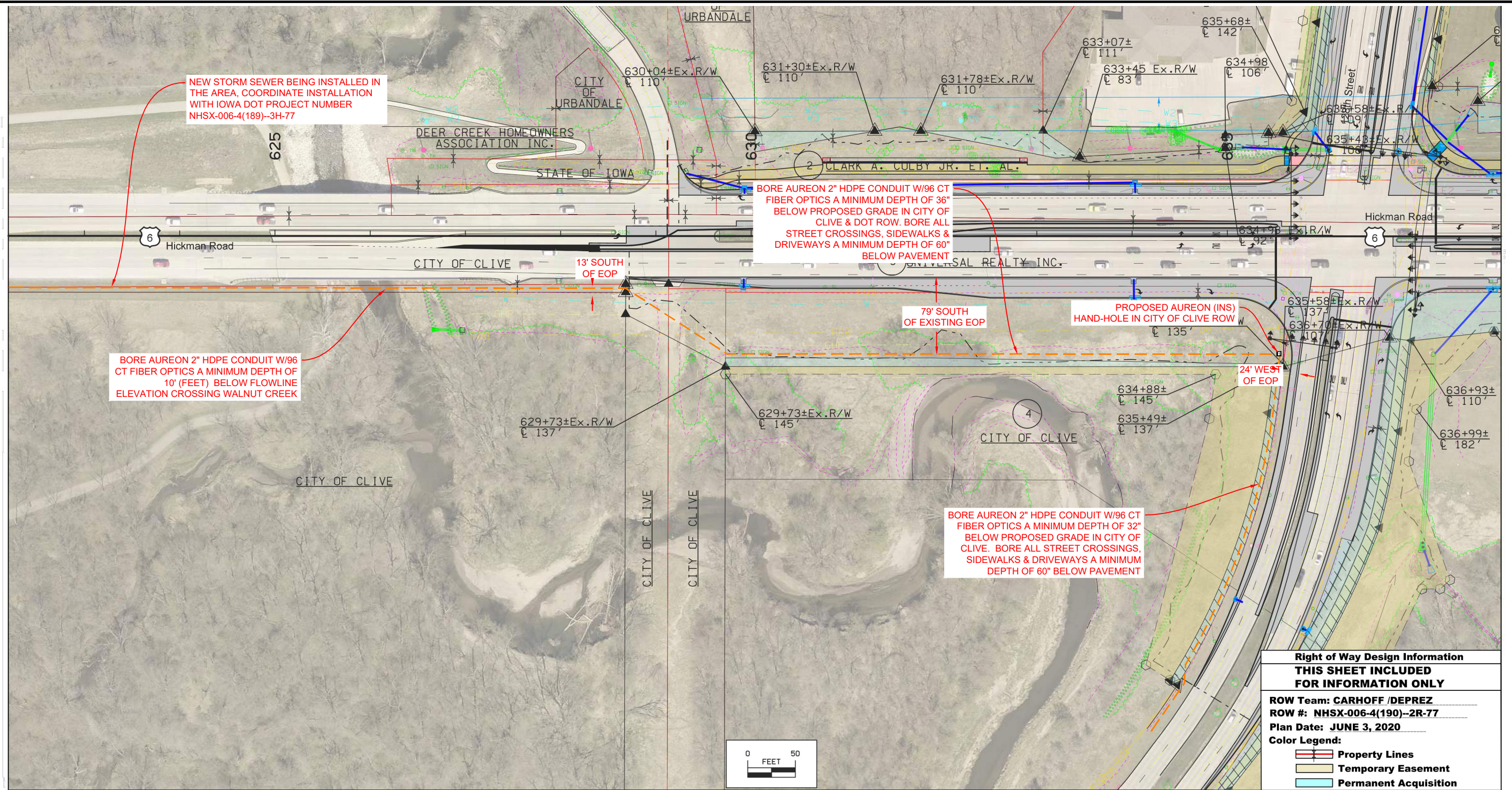


ESTIMATED PLOWING	ESTIMATED BORES	BACKHOE WORK	TRENCHING	MISC.	NOTES

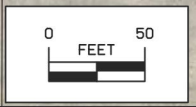
AUREON
PROJECT NO. 2208.549
CLIVE, IOWA Sheet 12 of 18

#	REVISION	DATE	NAME	SCALE:
1		8/17/22		

DATE: 8/9/2022



Right of Way Design Information				
THIS SHEET INCLUDED FOR INFORMATION ONLY				
ROW Team: CARHOFF /DEPREZ				
ROW #: NHSX-006-4(190)--2R-77				
Plan Date: JUNE 3, 2020				
Color Legend:				
	Property Lines			
	Temporary Easement			
	Permanent Acquisition			



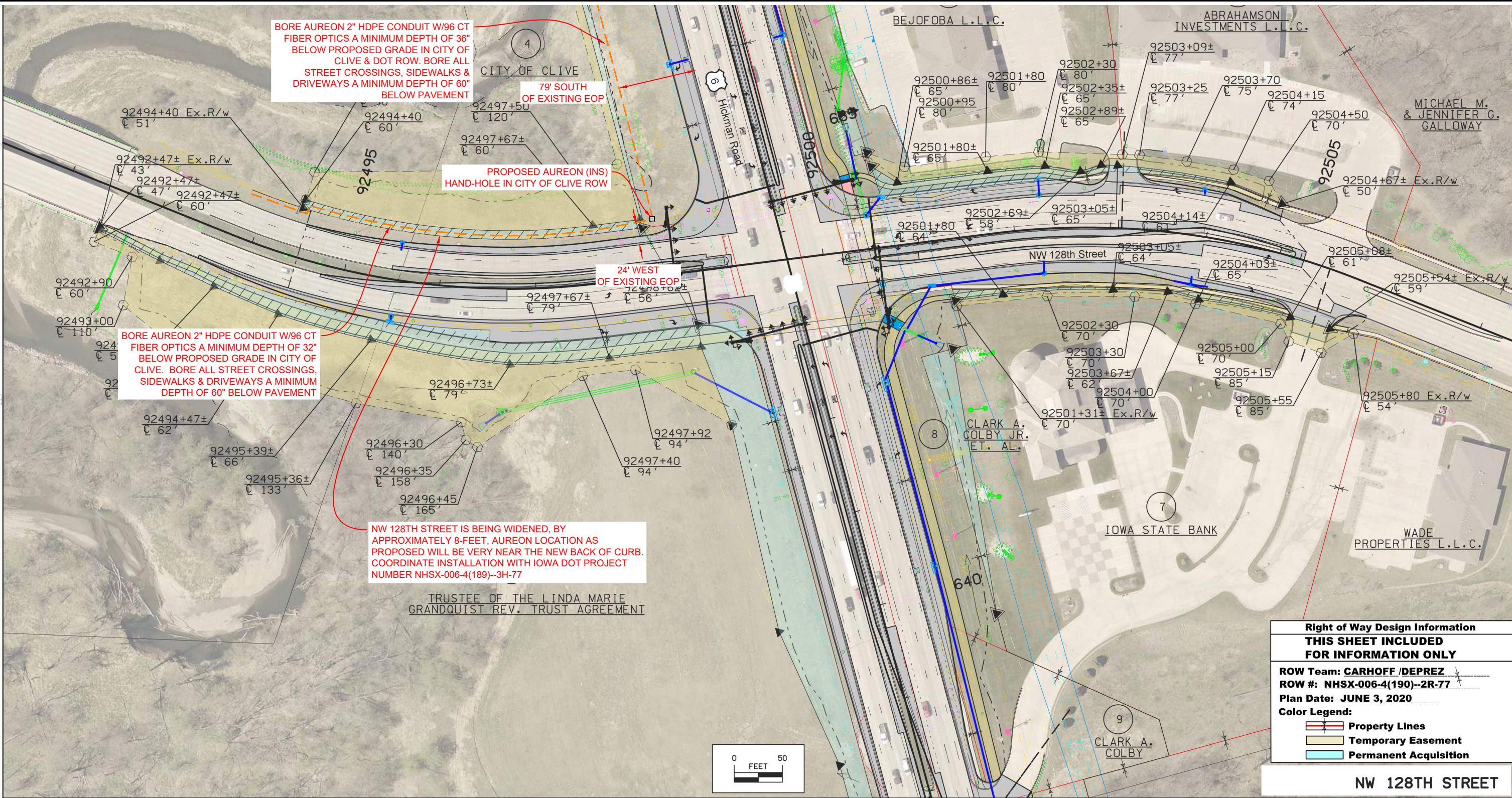
FILE NO.	ENGLISH	DESIGN TEAM	SNYDER & ASSOCIATES, INC.	POLK COUNTY	PROJECT NUMBER	NHSN-006-4(190)--2R-77	SHEET NUMBER	H.1
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ESTIMATED PLOWING	ESTIMATED BORES	BACKHOE WORK	TRENCHING	MISC.	NOTES

AUREON
 PROJECT NO. 2208.549
 CLIVE, IOWA Sheet 13 of 18

#	REVISION	DATE	NAME	SCALE:
1		8/17/22		

DATE: 8/9/2022



Right of Way Design Information
THIS SHEET INCLUDED FOR INFORMATION ONLY

ROW Team: CARHOFF /DEPREZ
 ROW #: NHSX-006-4(190)-2R-77
 Plan Date: JUNE 3, 2020

Color Legend:

- Property Lines
- Temporary Easement
- Permanent Acquisition

NW 128TH STREET

FILE NO.	ENGLISH	DESIGN TEAM	SNYDER & ASSOCIATES, INC.	POLK COUNTY	PROJECT NUMBER	NHSN-006-4(190)--2R-77	SHEET NUMBER	HE.1
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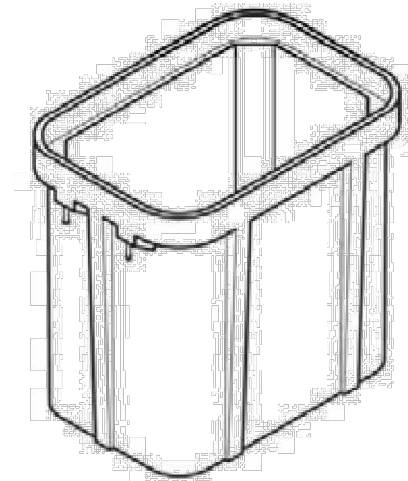
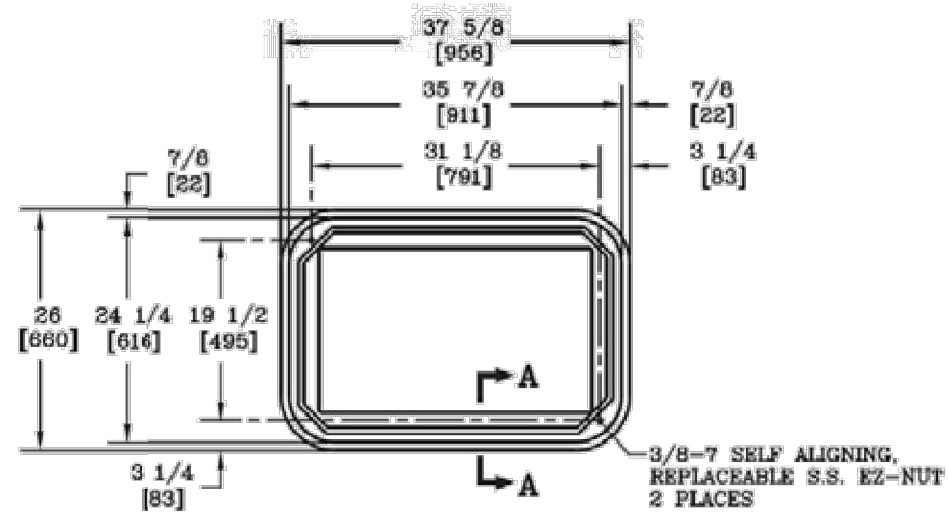
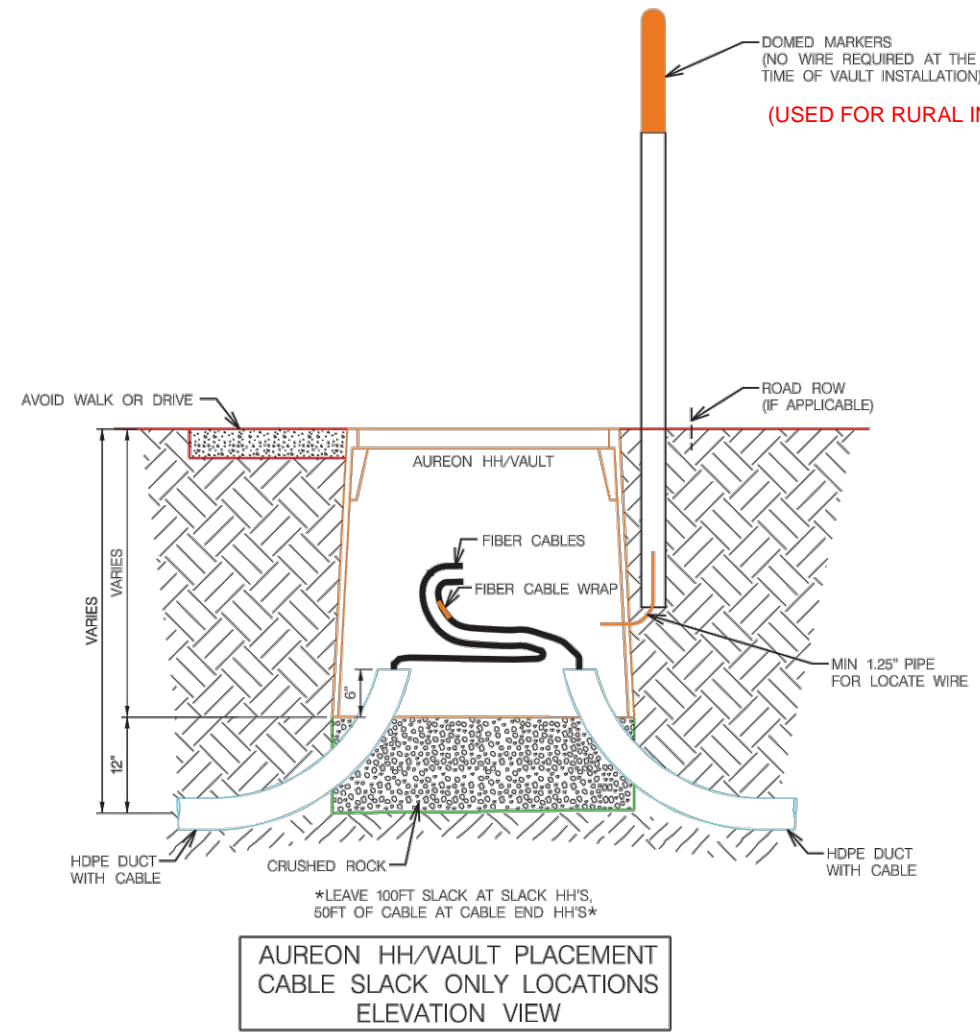
ESTIMATED PLOWING	ESTIMATED BORES	BACKHOE WORK	TRENCHING	MISC.	NOTES

PROJECT NO. 2208.549
 CLIVE, IOWA Sheet 14 of 18

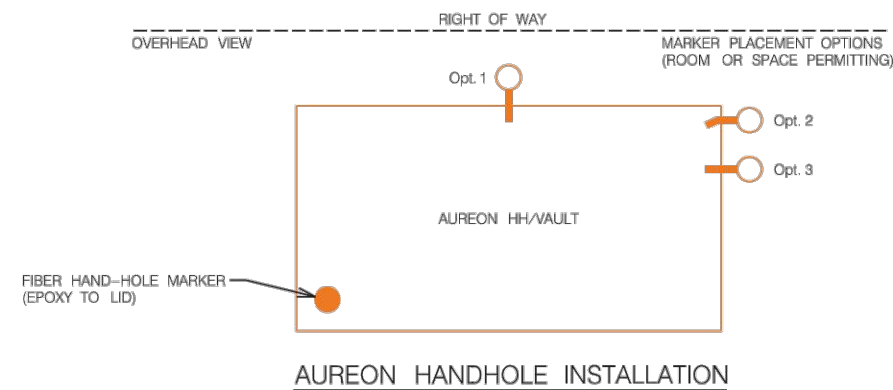
#	REVISION	DATE	NAME	SCALE:
1		8/17/22		

DATE: 8/9/2022

AUREON NETWORK SERVICES HANDHOLE DETAIL



AUREON QUAZITE 24X36X36 DETAIL



ESTIMATED PLOWING	ESTIMATED BORES	BACKHOE WORK	TRENCHING	MISC.	NOTES

AUREONTM
PROJECT NO. _____
Sheet

#	REVISION	DATE	NAME	SCALE:

DATE: _____

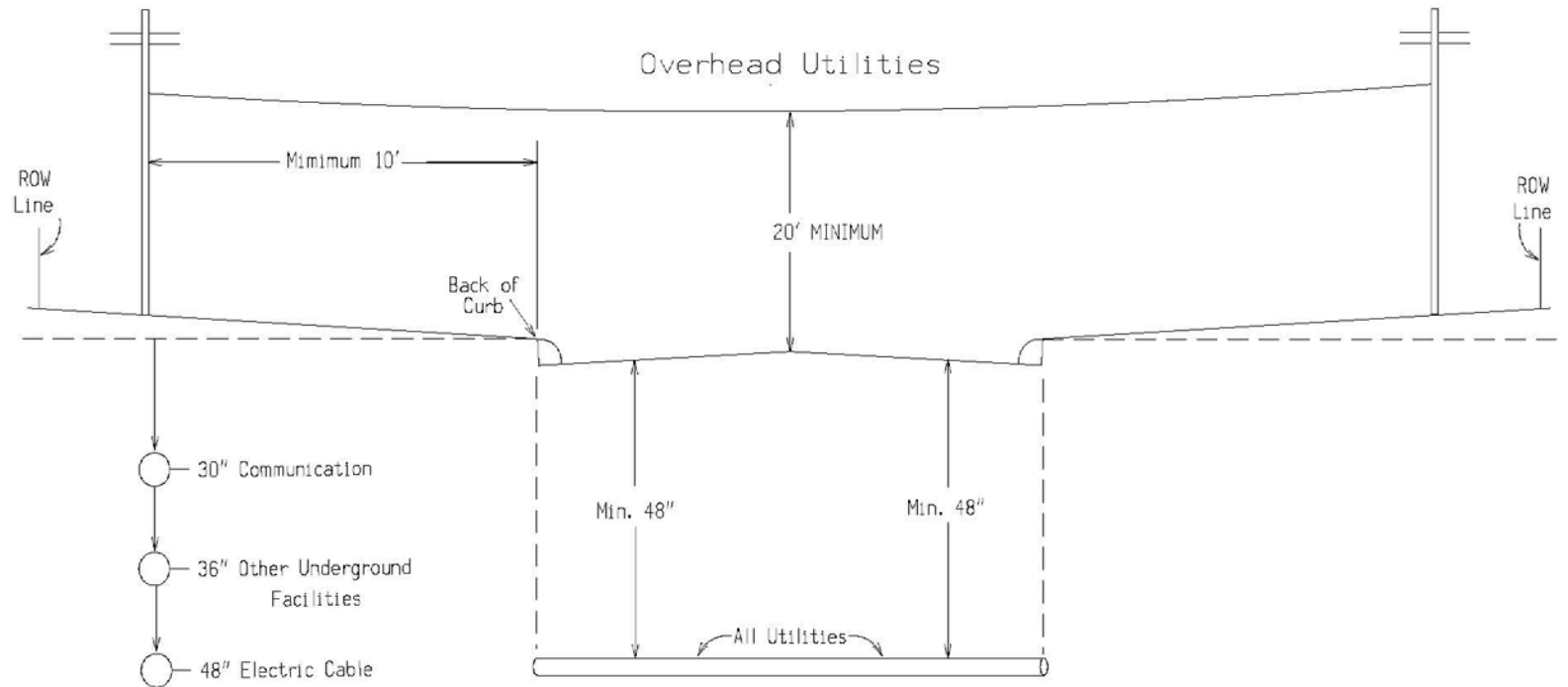
Acceptable Clear-zone Distances (feet).

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.

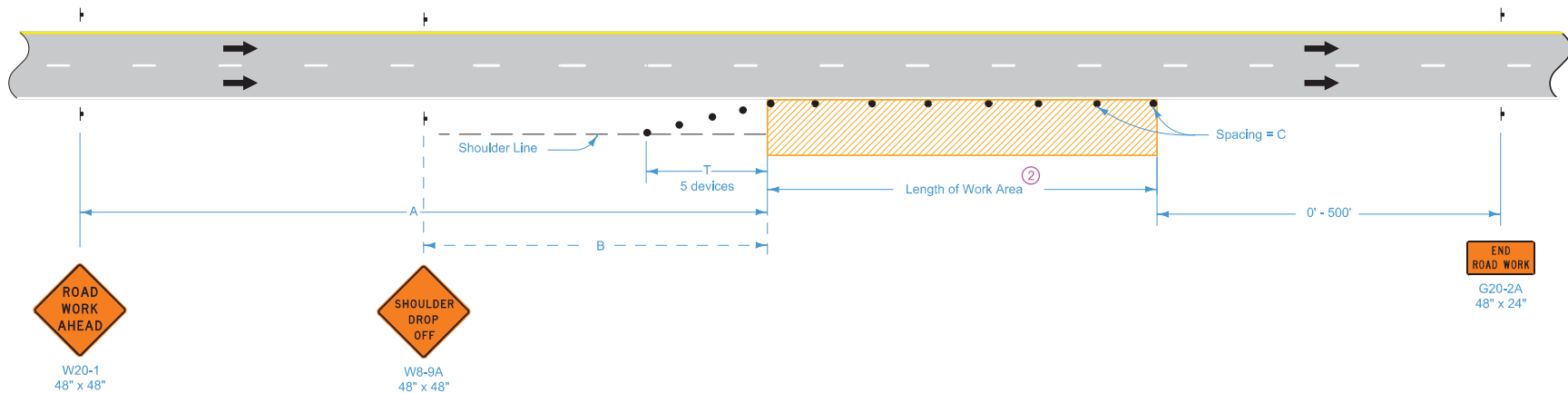
Minimum Policy Requirements Urban Section Non - Freeway Highway



E-9

01/2012

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.



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.L2 of the Standard Specifications.

For work lasting less than one hour, refer to TC-1.

Possible Contract Item:
Traffic Control

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'

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.

 STANDARD ROAD PLAN	REVISION 8 04-21-15
	TC-402
	SHEET 1 of 1
REVISIONS: Modified general notes, changed title and replaced the DOT logo in the title block with the new version.	
 <small>APPROVED BY DESIGN METHODS ENGINEER</small>	
WORK WITHIN 15 FT OF TRAVELED WAY	