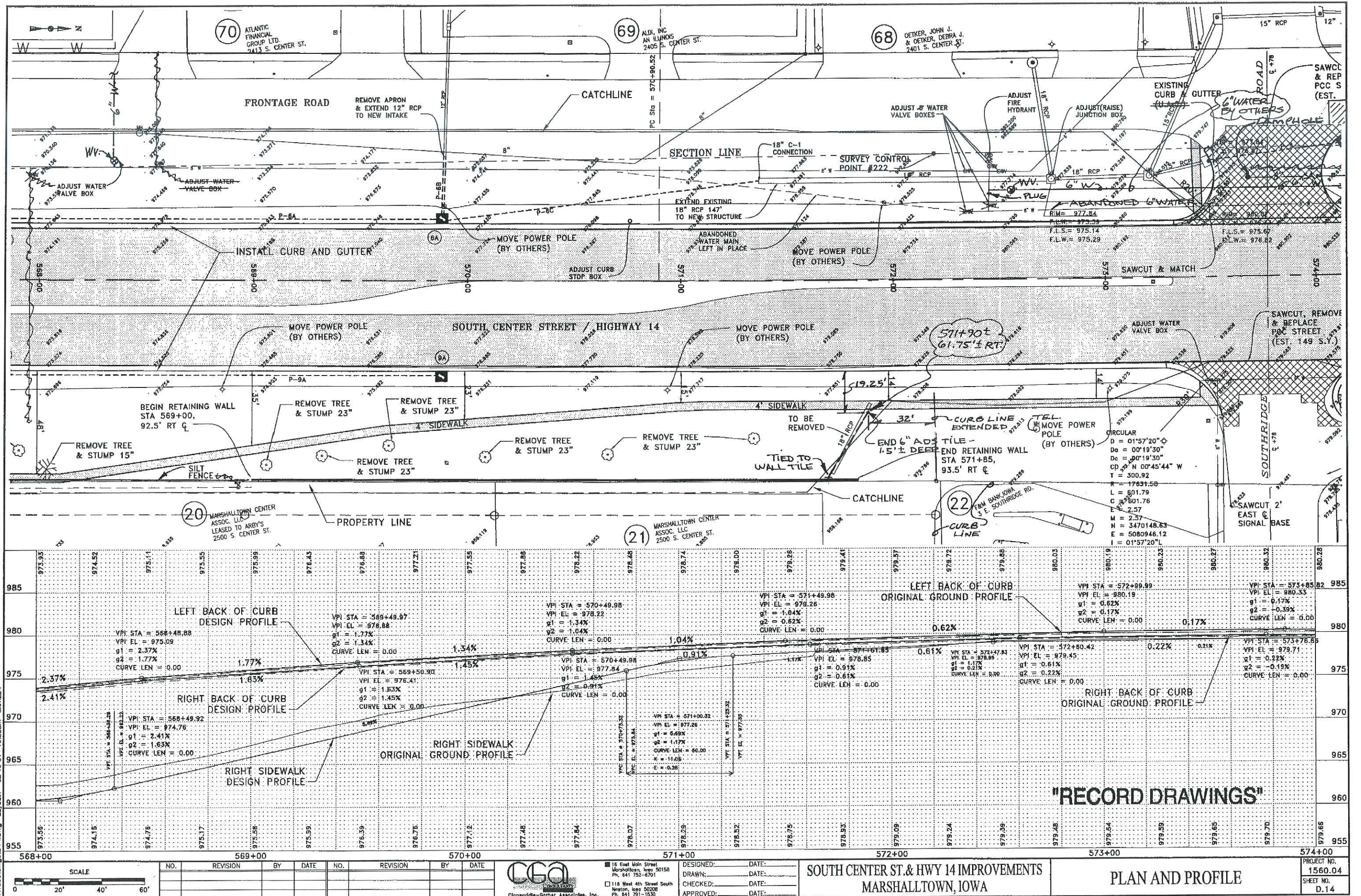




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SCALE

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APPROVED: _____ **DATE:** _____

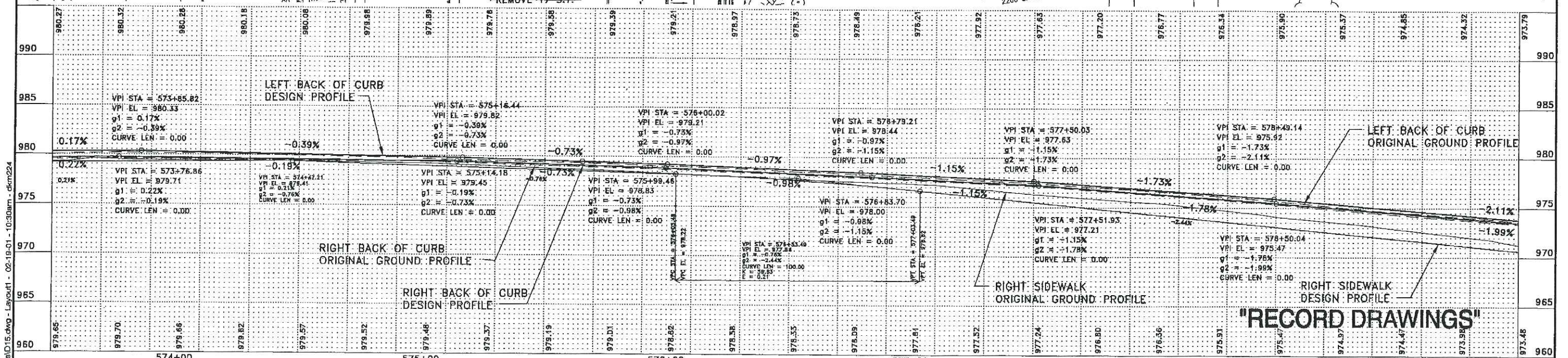
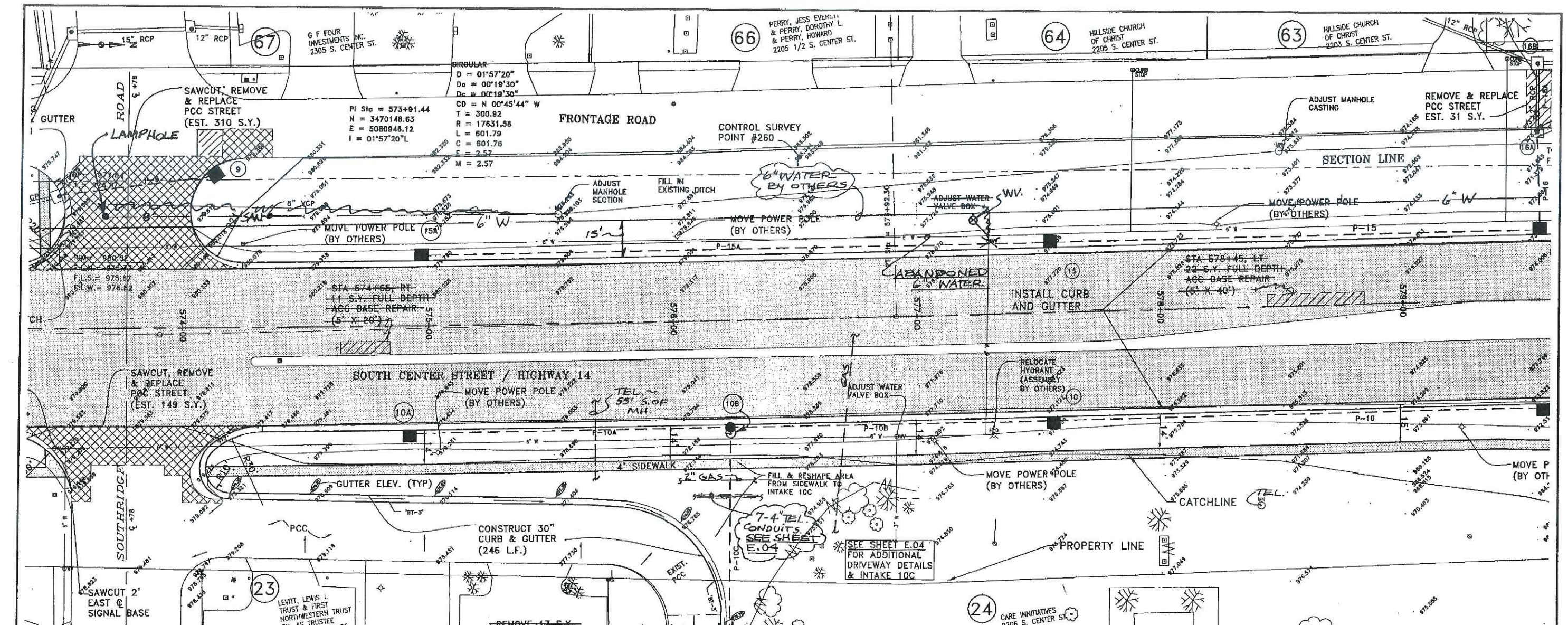
SOUTH CENTER ST. & HWY 14 IMPROVEMENTS

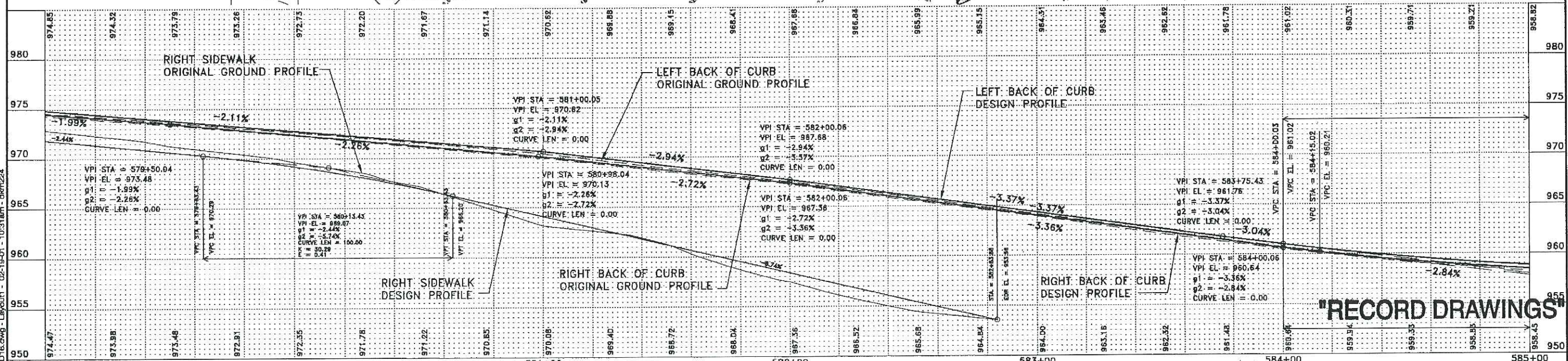
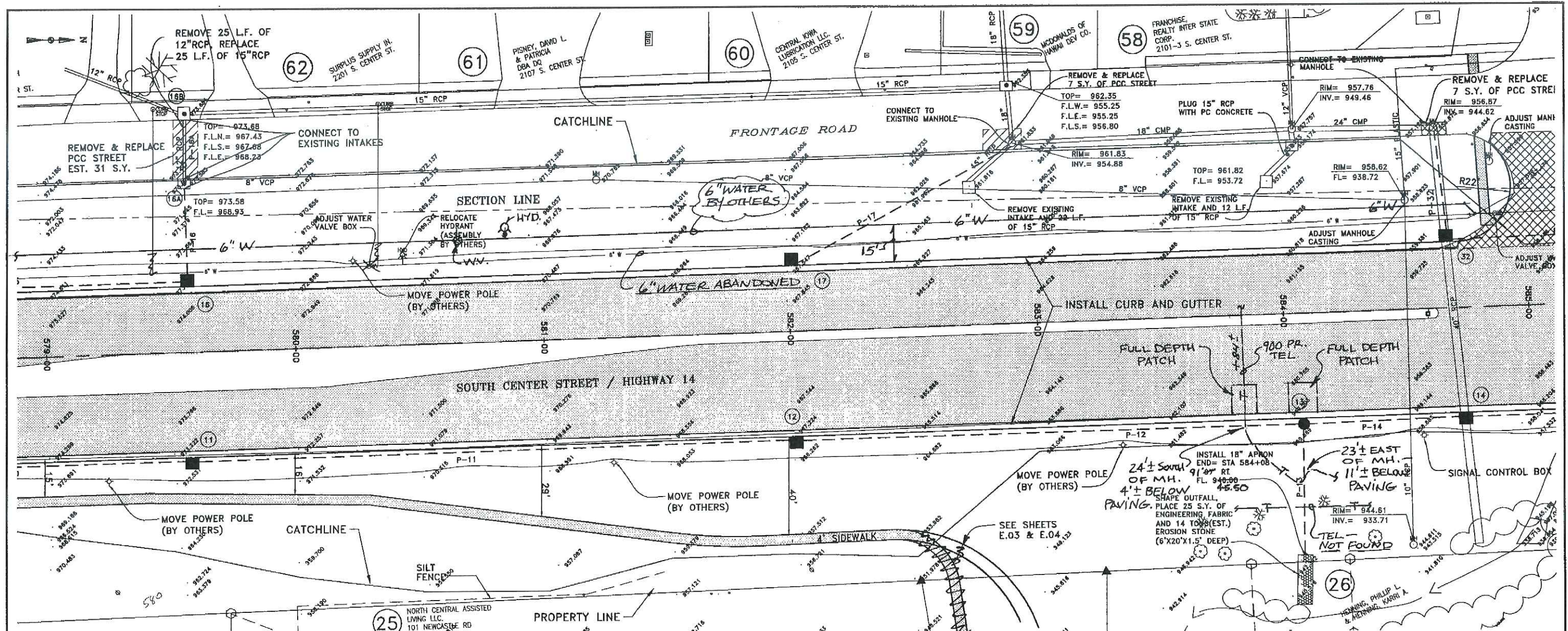
MARSHALLTOWN, IOWA

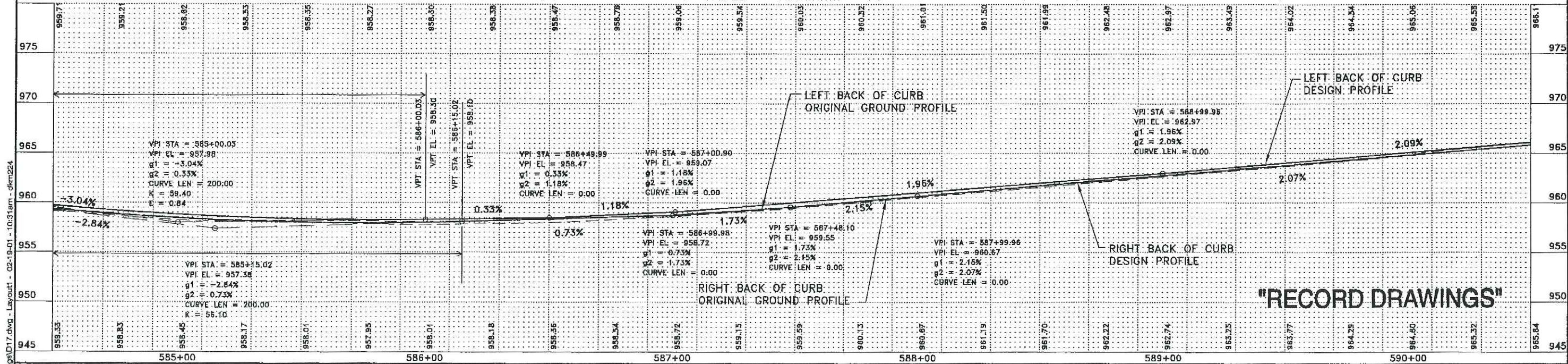
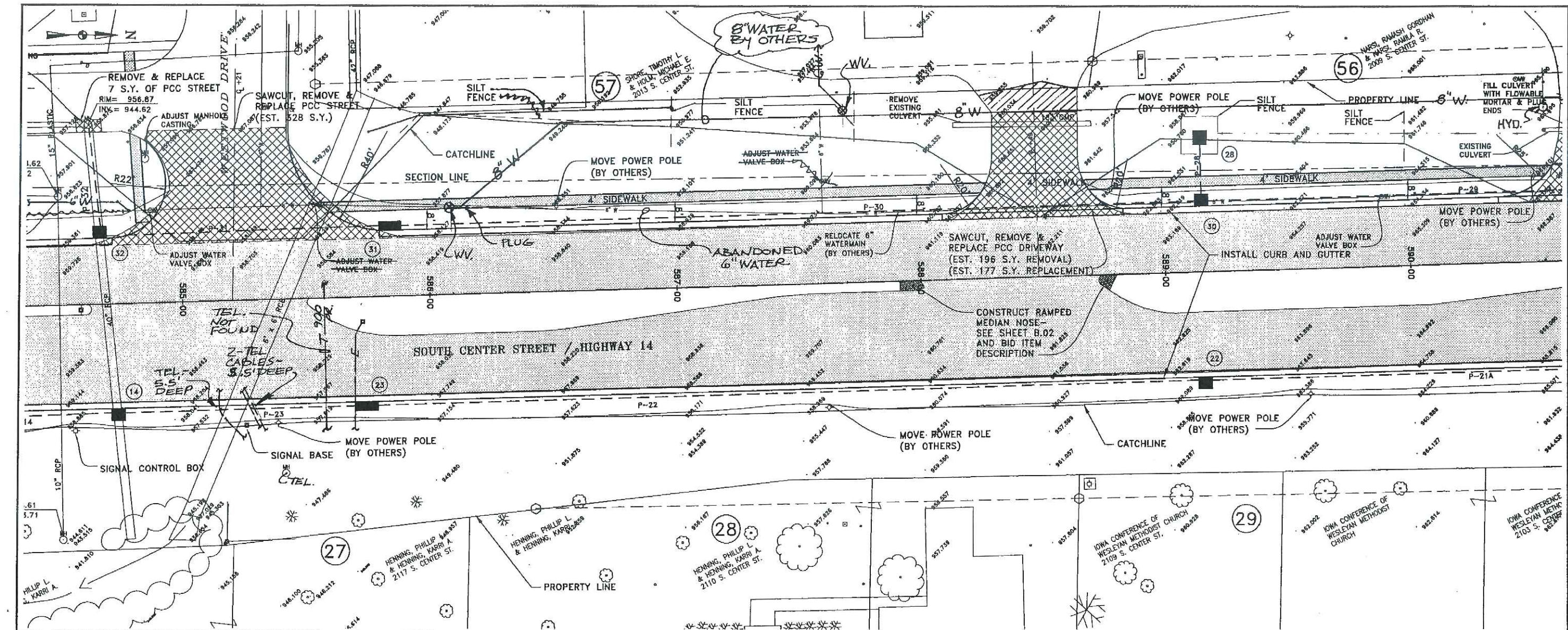
PLAN AND PROFILE

PROJECT NO. 1560.04

SHEET NO. D.14







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SCALE

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CCG

Clippard-Garber Associates, Inc.

16 East Main Street
Marshalltown, Iowa 50158
Ph. 641 752-8701

116 West 4th Street South
Hawley, Iowa 50228
Ph. 641 791-1530

DESIGNED: _____ DATE: _____

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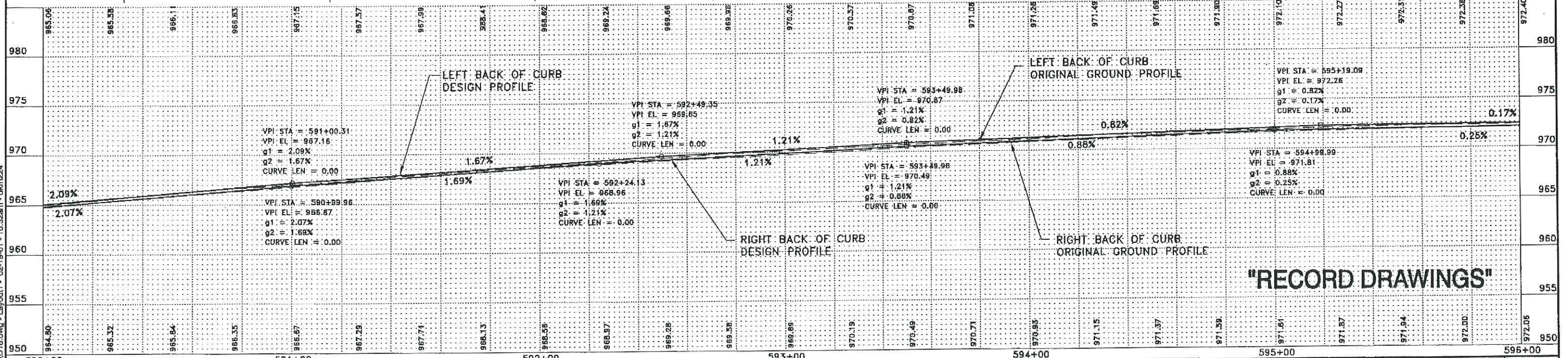
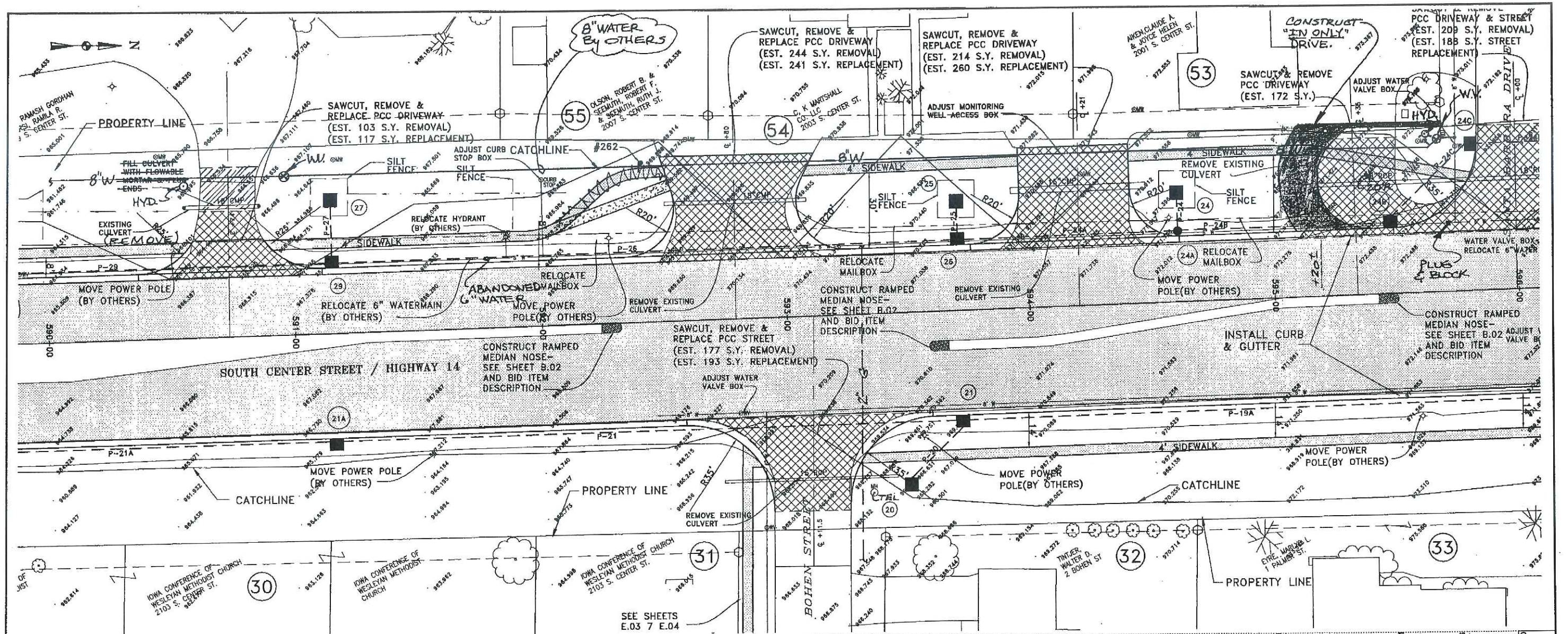
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MARSHALLTOWN, IOWA

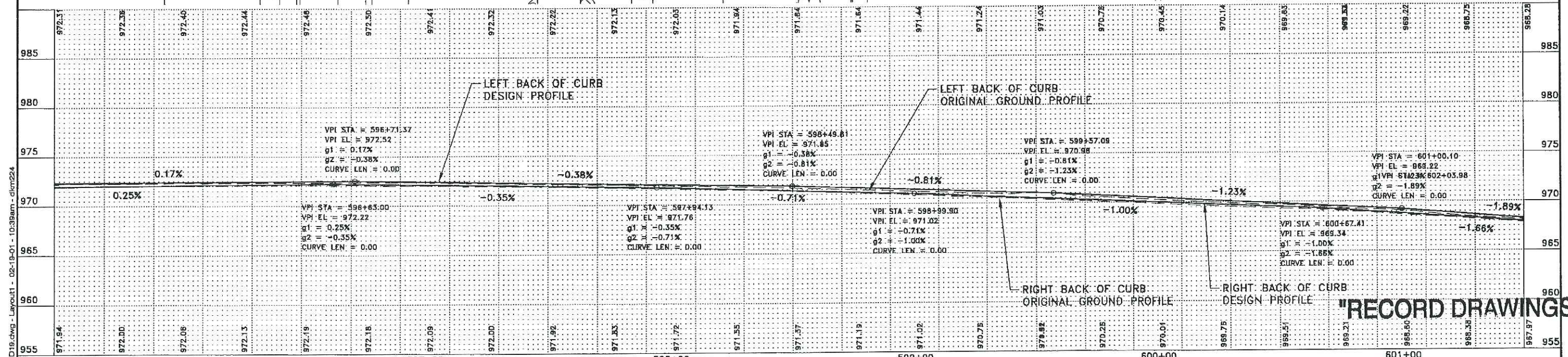
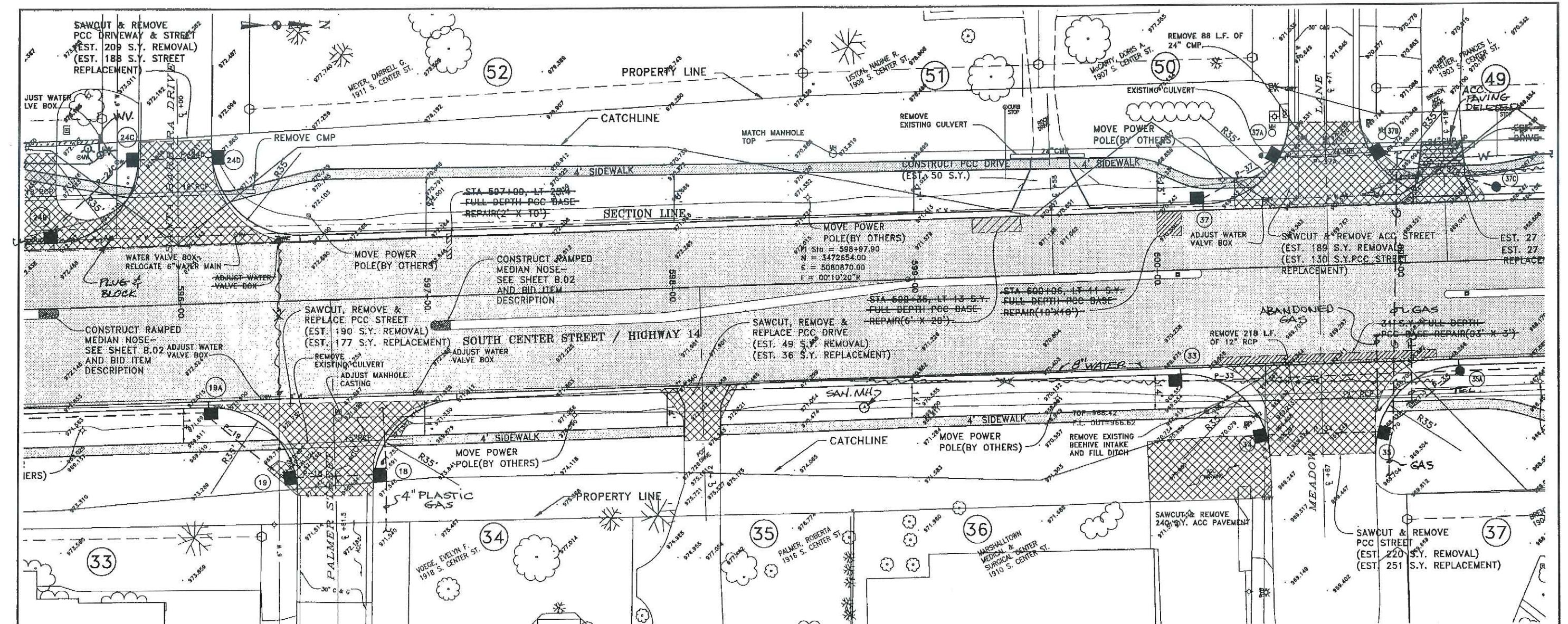
PLAN AND PROFILE

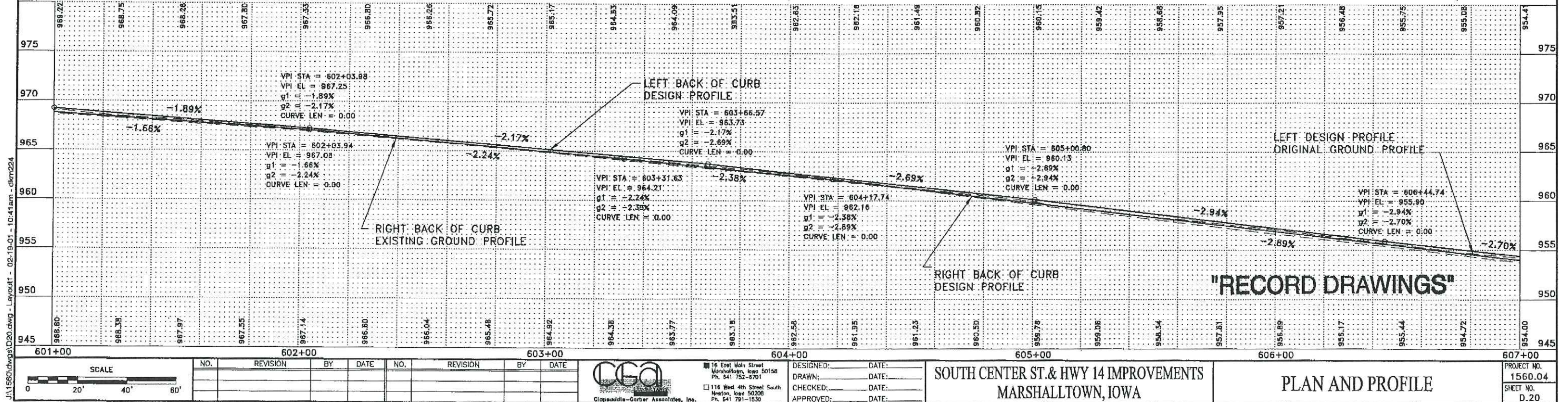
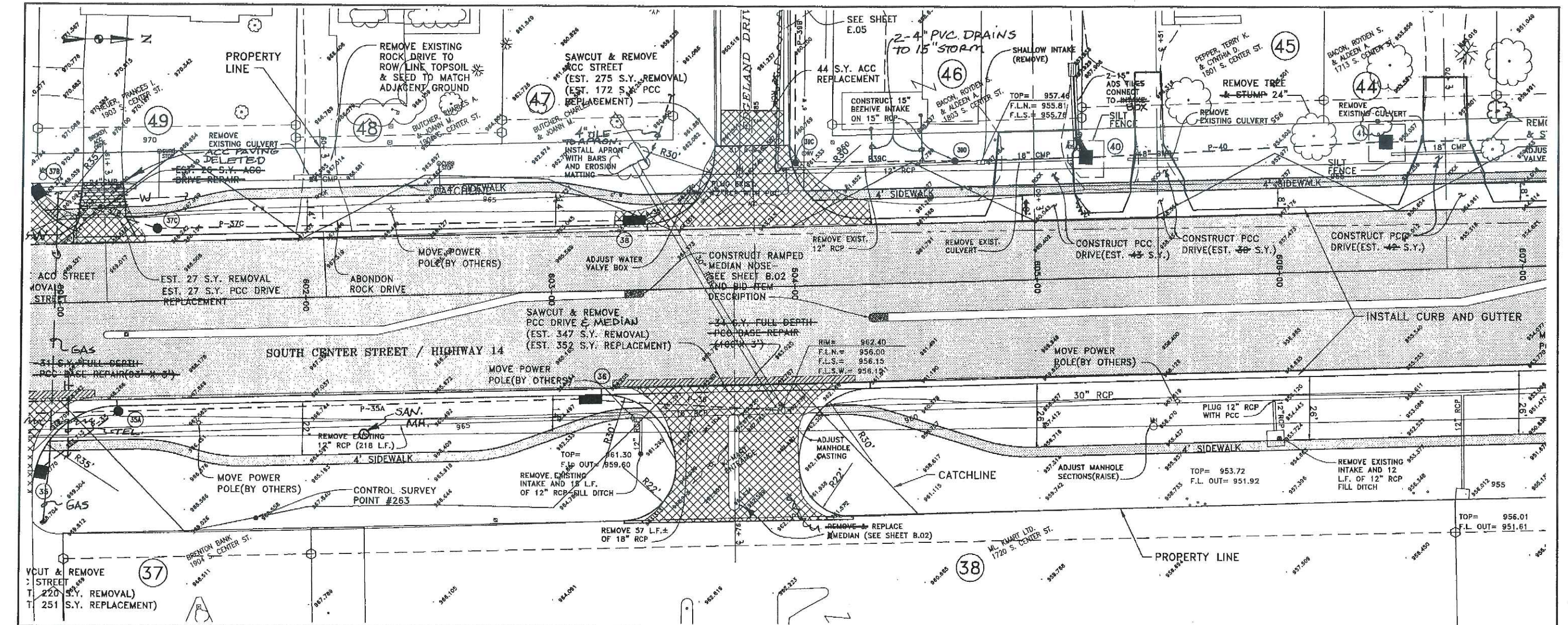
PROJECT NO.
1560.04

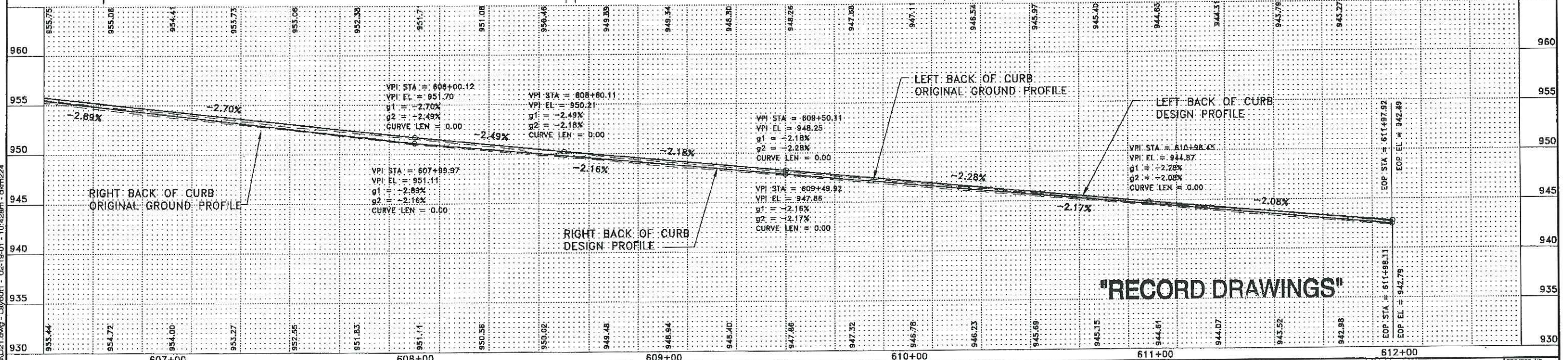
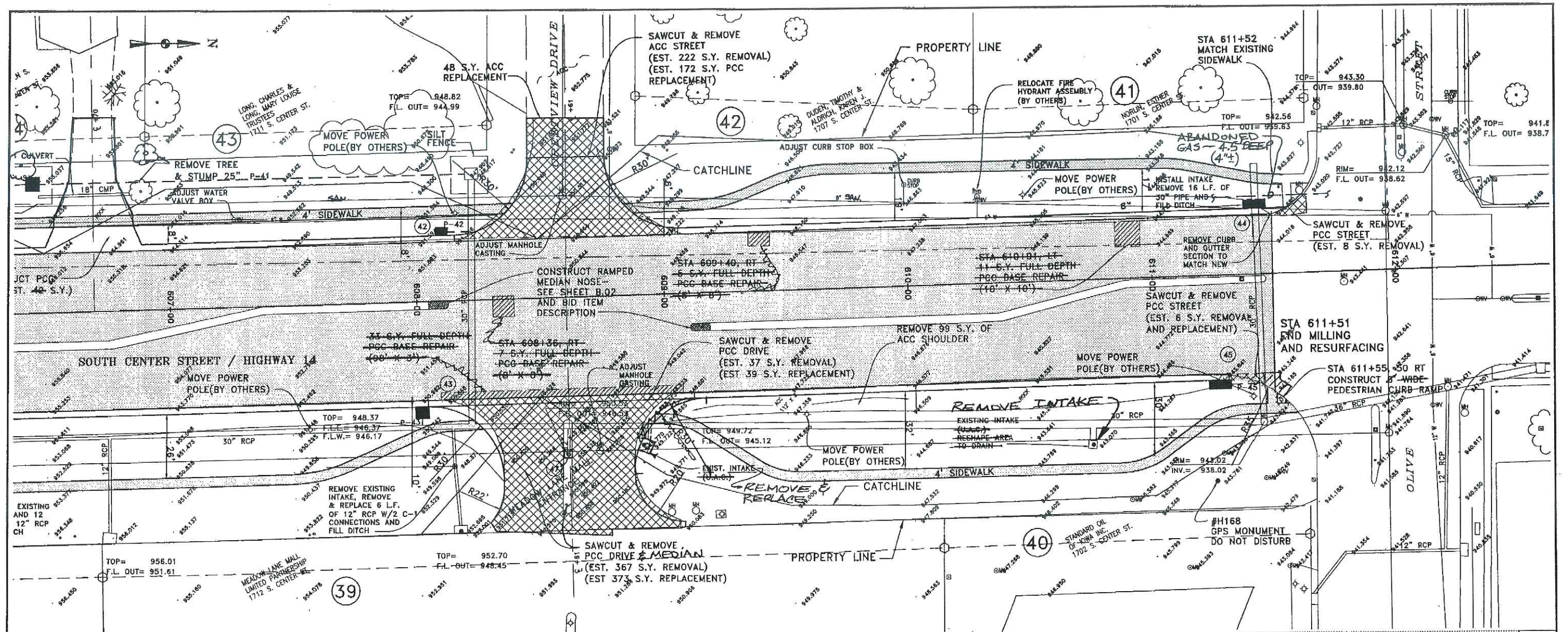
SHEET NO.
D.17



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CCA Clayton-Corbin Associates, Inc.												☒ 16 East Main Street Marshalltown, Iowa 50158 Ph. 641 762-6701 ☐ 116 West 4th Street South Newton, Iowa 50208 Ph. 641 791-1530												DESIGNED: _____ DATE: _____				DRAWN: _____ DATE: _____				CHECKED: _____ DATE: _____				APPROVED: _____ DATE: _____			
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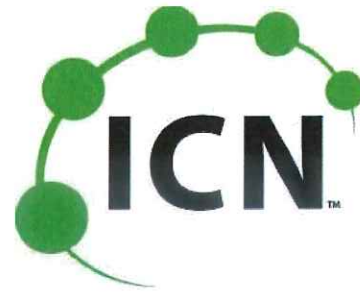
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 APPROVED: _____ DATE: _____

SOUTH CENTER ST. & HWY 14 IMPROVEMENTS
MARSHALLTOWN, IOWA

PLAN AND PROFILE

PROJECT NO. 1560.04
 SHEET NO. D.21



MARSHALLTOWN, IOWA IOWA COMMUNICATIONS NETWORK MARSHALLTOWN POLICE & FIRE STATION PHASE 2

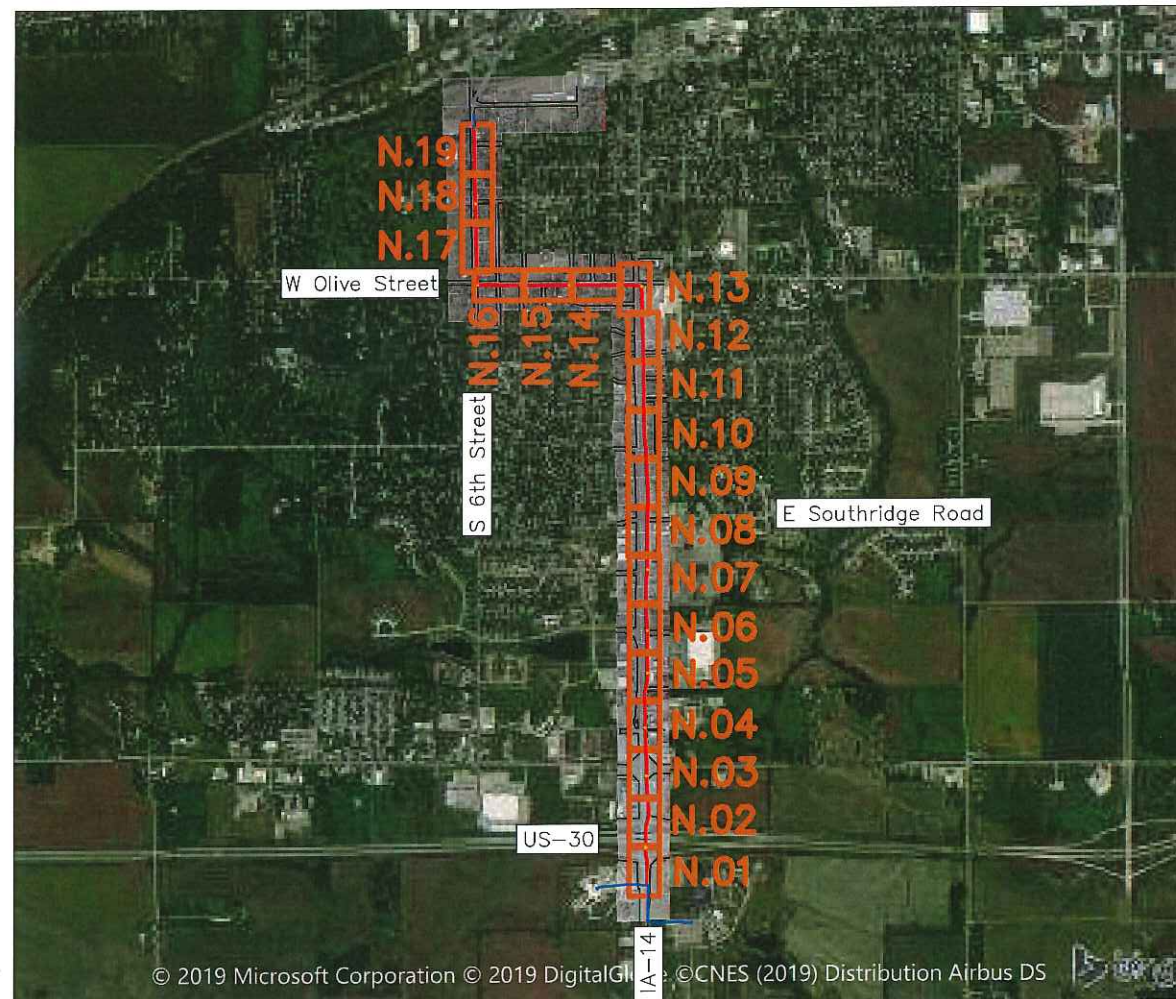
PROJECT COORDINATION CONTACTS				
NAME	AGENCY	PHONE	EMAIL	
TIM FLICKINGER	ICN	515-725-4699	TIMOTHY.FLICKINGER@IOWA.GOV	
BRAD BATEMAN	CITY OF MARSHALLTOWN	641-754-5734	BBATEMAN@MARSHALLTOWN-IA.GOV	
DEANNA SMYTH-PETERS	IOWA DOT	515-986-5460	DEANNA.SMYTH-PETERS@IOWADOT.US	



PRIOR TO CONSTRUCTION:

CALL 811 FOR LOCATION OF UNDERGROUND TELEPHONE,
ELECTRIC, GAS MAINS, CABLE TELEVISION AND OTHER UTILITIES.

EXISTING UNDERGROUND AND OVERHEAD UTILITIES AND DRAINAGE
STRUCTURES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION
AND THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED
APPROXIMATE ONLY. IT IS THE RESPONSIBILITY OF THE INDIVIDUAL
CONTRACTORS TO EXACTLY LOCATE AND PROTECT EACH EXISTING
UTILITY BEFORE AND DURING ACTUAL CONSTRUCTION.



SHT. NO.	SHEET INDEX
A SHEETS	TITLE SHEETS
A.01	TITLE PAGE
A.02	LEGEND AND SYMBOL INFORMATION SHEET
C SHEETS	QUANTITIES AND GENERAL INFORMATION
C.01	ESTIMATE OF QUANTITIES AND LISTING OF WORK
C.02	GENERAL NOTES
C.03	UTILITY CONTACTS
N SHEETS	FIBER PLANS
N.01 - N.19	FIBER DESIGN
ATTACHMENTS	ICN TYPICAL DETAILS FOR: - HANDHOLES - MANUFACTURES HANDHOLE INSTALLATION INSTRUCTION - TRI-WIEW DETAIL

PERMITS REQUIRED	
SHT. NO.	PERMIT
N.01 - N.19	City of Marshalltown
N.01 - N.13	Iowa DOT Utility Accommodation - Hwy 14
N.01 - N.02	Iowa DOT Utility Accommodation - Hwy 30

	I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.	
	Signature Gregory T. Seib	Date
	Printed or Typed Name	
	License Number	
My license renewal date is December 31, 2020		
Pages or sheets covered by this seal: A.01-A.02, C.01-C.03, N.01-N.19		

1	PRELIMINARY	04-02-19		
2	FINAL	04-12-19		

LEGEND AND SYMBOLS

SPLICE-W/LOC. STATION	
SPLICE-NO LOC. STATION	
FIBER CHANGE (BID & CONST. ISSUE)	
CASING PIPE (PVC OR STEEL)	
(GALV. IRON PIPE) G.I.P.	
RIGHT-OF-WAY LINE(phantom linetype)	
CENTER LINE(center linetype)	
FENCE LINE	
PROPERTY LINE	
EDGE OF GRAVEL	
EDGE OF PAVEMENT	
EDGE OF CONCRETE	
CITY, COUNTY OR STATE BOUNDARY	
SECTION LINE	
TEMP. EASEMENT	
BACK OF CURB	
CONCRETE SIDEWALK	
GAS LINE	
STORM SEWER	
SANITARY SEWER	
TELEPHONE LINE	
WATER LINE	
UNDERGROUND ELECTRIC	
SUBSURFACE DRAIN TILE	
OVERHEAD ELEC.	

ROUTE MARKERS	
POLE	
POLE W/ANCHOR	
TILE INTAKE	
MILE POST MARKER	
CULVERT	
BRIDGE	
TREE & VEGETATION	
STREET SIGN	
FIRE HYDRANT	
STREET LIGHT	
MANHOLES	
REMOVE & REPLACE	
FLOW LINE	
CUT & REPLACE	
DITCH LINE	
UTILITY PEDESTAL	
WATER METER	
GAS METER	
GAS MARKER	
TELEPHONE MARKER	
R/W MARKER	
DRAIN	
RAILROAD SIGNAL/SIGN	
GROUND	
GROUND ROD	
MAILBOX	

EXISTING	PROPOSED	DESCRIPTIONS
		ICN Bored Conduit
		Existing Conduit
		ICN Handhole
		Misc. Existing Handhole
		Locate Point
		Utility Pole
		Riser

ABBREVIATIONS	
ICN	Iowa Communications Network
NEC	National Electric Code
TCP	Traffic Control Plan
ROW	Right of Way
HH	Handhole
DOT	Department of Transportation
NTS	Not to Scale
EOP	Edge of Pavement
BOC	Back of Curb

NOTE: THE PLAN LOCATIONS OF UNDERGROUND AND AERIAL UTILITIES, WHEN SHOWN, ARE APPROXIMATE ONLY. IN ADDITION, A PORTION OF UTILITY INFORMATION MAY NOT HAVE BEEN PROVIDED. ALL UTILITIES SHALL BE LOCATED AND MARKED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTRACTING UTILITIES AND LOCATOR SERVICES AND SCHEDULING THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL ALSO CONTACT ANY AND ALL UTILITIES AND LOCAL GOVERNMENT AGENCIES NOT PARTICIPATING IN LOCATION SERVICES.

LEGEND AND SYMBOL INFORMATION SHEET

ESTIMATE OF QUANTITIES				
Item No.	Item	Unit	Planned Total	As-Built Total
1	TRAFFIC CONTROL	LS	1	
2	MOBILIZATION	LS	1	
3	INSTALL HANDHOLE, 24" x 36" x 36"	EACH	13	
4	2" CONDUIT, BORED	LINEAR FT	14,820	
5	48 SM ARMORED FIBER (TOTAL)	LINEAR FT	16,920	
-	48 SM ARMORED FIBER (RUNNING LINE)	LINEAR FT	14,820	
-	48 SM ARMORED FIBER (COIL)	LINEAR FT	2,100	
6	ICN WARNING MARKERS*	EACH	4	
7	TYCO 450B SPLICE CLOSURE	EACH	1	
8	TRI-VIEW LOCATE STATION	EACH	1	

* NOTE: TWO ICN WARNING MARKERS ARE SHOWN ON PLANS AND TWO OTHER LOCATIONS ARE TBD. COORDINATE WITH ICN.

LISTING OF CONDUIT & FIBER WORK					
Conduit Run	Location		Length	2" Conduit, Bored	48 SM Armored Fiber, Underground
	From	To			
1A	HH 1-1E	HH 1-2	599	599	599
1B	HH 1-2	HH 3-1	1158	1158	1158
3A	HH 3-1	HH 4-1	772	772	772
4A	HH 4-1	HH 5-1	877	877	877
5A	HH 5-1	HH6-1	688	688	688
6A	HH 6-1	HH 7-1	981	981	981
7A	HH 7-1	HH 8-1	745	745	745
8A	HH 8-1	HH 10-1	1235	1235	1235
10A	HH 10-1	HH 12-1	1448	1448	1448
12A	HH 12-1	HH 13-1	1124	1124	1124
13A	HH 13-1	HH 15-1	1158	1158	1158
15A	HH 15-1	HH 16-1	1491	1491	1491
16A	HH 16-1	HH 18-1	1311	1311	1311
18A	HH 18-1	HH 19-1E	1233	1233	1233
Totals			14820		14820

*NOTE: This table shows approximate lengths in conduit only and does not include any coils or slack for fiber cables, tracer wire, pull rope, etc. Contractor shall verify necessary quantities including coils.

LISTING OF HANDHOLE WORK				
Handhole Label	Handhole Type	Route	Station	48 SM Armored Fiber Coil
HH 1-1E	EXISTING	S.Center Street	0+00	75
HH 1-2	24" x 36" x 36"	S.Center Street	5+99	150
HH 3-1	24" x 36" x 36"	S.Center Street	17+57	150
HH 4-1	24" x 36" x 36"	S.Center Street	25+29	150
HH 5-1	24" x 36" x 36"	S.Center Street	34+06	150
HH 6-1	24" x 36" x 36"	S.Center Street	40+94	150
HH 7-1	24" x 36" x 36"	S.Center Street	50+75	150
HH 8-1	24" x 36" x 36"	S.Center Street	58+20	150
HH 10-1	24" x 36" x 36"	S.Center Street	70+55	150
HH 12-1	24" x 36" x 36"	S.Center Street	85+03	150
HH 13-1	24" x 36" x 36"	S.Center Street	96+27	150
HH 15-1	24" x 36" x 36"	E. Olive Street	107+85	150
HH 16-1	24" x 36" x 36"	E. Olive Street	122+76	150
HH 18-1	24" x 36" x 36"	S. 6th Street	135+87	150
HH 19-1E	EXISTING	S. 6th Street	148+20	75
Totals				2100

ESTIMATE OF QUANTITIES AND LISTING OF WORK

GENERAL NOTES

MISC.

- 1. AERIAL PHOTOGRAPHY SHOWN ON PLANS IS FOR REFERENCE ONLY AND MAY NOT MATCH EXISTING CONDITIONS.
- 2. ALL EXISTING IOWA COMMUNICATIONS NETWORK FIBER SHALL BE KEPT IN OPERATION. CONTRACTOR SHALL MAINTAIN AND PROTECT ALL EXISTING COMMUNICATION CABLES DURING CONSTRUCTION UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- 3. THE RIGHT-OF-WAY, WHERE SHOWN ON PLANS, IS APPROXIMATE ONLY. RIGHT-OF-WAY SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION.

UTILITIES

- 4. THE PLAN LOCATIONS OF UNDERGROUND AND AERIAL UTILITIES, WHEN SHOWN, ARE APPROXIMATE ONLY. IN ADDITION, A PORTION OF UTILITY INFORMATION MAY NOT HAVE BEEN PROVIDED. ALL UTILITIES SHALL BE LOCATED AND MARKED PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING UTILITIES AND LOCATOR SERVICES AND SCHEDULING THE LOCATION OF UNDERGROUND UTILITIES. THE CONTRACTOR SHALL ALSO CONTACT ANY AND ALL UTILITIES AND LOCAL GOVERNMENT AGENCIES NOT PARTICIPATING IN LOCATION SERVICES.
- 5. THE CONTRACTOR SHALL NOT DISTURB ANY EXISTING UTILITIES EXCEPT AS SPECIFICALLY DEFINED WITHIN THE SCOPE OF WORK FOR THIS CONTRACT. WHERE WORK AFFECTS OR IS AFFECTED BY THE EXISTING UTILITIES, THE WORK SHALL BE COORDINATED WITH THE UTILITY COMPANY AND/OR OWNER. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH IOWA COMMUNICATIONS NETWORK.
- 6. UTILITY COMPANIES WHOSE FACILITIES ARE SHOWN ON THE PLANS OR KNOWN TO BE WITHIN THE CONSTRUCTION LIMITS SHALL BE NOTIFIED BY THE CONTRACTOR OF THE STARTING CONSTRUCTION DATE.

CONDUIT

- 7. THE CONTRACTOR SHALL BORE ALL CROSSINGS BENEATH ROADWAYS, STREETS, OTHER PAVED SURFACES, RAILROAD, WATER WAYS, OR OTHER STRUCTURE. DEPTH OF ALL BORES SHALL BE A MINIMUM OF 48 INCHES UNLESS OTHERWISE SPECIFIED IN PLANS. IF UNABLE TO TO MAINTAIN 48" DEPTH, CONTACT ICN FOR INSTRUCTIONS. DOCUMENT DEPTH AND DEVIATION ON CONTRACTOR REDLINES.
- 8. ALL CONDUIT SHALL BE 2 INCH HDPE CONDUIT.
- 9. ENTER ALL HANDHOLES, BOTH NEW AND EXISTING FROM THE BOTTOM.
- 10. THE MINIMUM BENDING RADIUS OF HDPE CONDUIT SHALL BE THE CONDUIT MANUFACTURER'S RECOMMENDATIONS FOR MINIMUM BENDING RADIUS.
- 11. PLUG CONDUITS IMMEDIATELY AFTER INSTALLATION WITH DUCT SEAL OR EXPANSION FOAM.

CONSTRUCTION

- 12. ANY AND ALL IMPROVEMENTS SUCH AS ASPHALT OR CONCRETE PAVEMENTS, CURBS, GUTTERS, WALKS, DRAINAGE DITCHES, CULVERTS, DRAIN TILES, EMBANKMENTS, SHRUBS, TREES, GRASS, SOD, ETC., IF DAMAGED, SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITIONS (OR BETTER) AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE IOWA COMMUNICATIONS NETWORK.
- 13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR ANY EXISTING CONDUIT, CONDUCTORS, OR OTHER FACILITIES DAMAGED DURING CONSTRUCTION. ALL EXISTING INFRASTRUCTURE REMOVED OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED IN KIND BY THE CONTRACTOR, WITH NO ADDITIONAL COMPENSATION.
- 14. MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF ALL APPLICABLE SECTIONS INCLUDING BUT NOT LIMITED TO ARTICLES 2523 AND 2525, OF THE "IOWA DEPARTMENT OF TRANSPORTATION ENGLISH STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, SERIES 2015" PLUS CURRENT SUPPLEMENT SPECIFICATIONS AND SPECIAL PROVISIONS.
- 15. THE CONTRACTOR SHALL NOT DISTURB DESIRABLE GRASS AREAS AND DESIRABLE TREES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR WILL NOT BE PERMITTED TO PARK OR SERVICE VEHICLES AND EQUIPMENT OR USE THESE AREAS FOR STORAGE OF MATERIALS. STORAGE, PARKING AND SERVICE AREA(S) WILL BE SUBJECT TO THE APPROVAL OF THE RESIDENT CONSTRUCTION ENGINEER.

GENERAL NOTES

CONSTRUCTION (CONTINUED)

- 16. THE TOP SIX (6) INCHES OF THE DISTURBED AREAS SHALL BE FREE OF ROCK AND DEBRIS AND SHALL BE FOR THE ESTABLISHMENT OF VEGETATION, SUBJECT TO THE APPROVAL OF THE ENGINEER.
- 17. THE CONTRACTOR IS EXPECTED TO HAVE MATERIALS, EQUIPMENT, AND LABOR AVAILABLE ON A DAILY BASIS TO INSTALL AND MAINTAIN EROSION CONTROL FEATURES ON THE PROJECT. THIS MAY INVOLVE SEEDING, SILT FENCE, ROCK DITCH CHECKS, SILT BASINS, OR SILT DIKES.
- 18. NO OPEN HOLES OR MOUNDS OF DIRT SHALL BE LEFT UNPROTECTED DURING NON-WORKING HOURS.

FIBER

- 19. CONTRACTOR SHALL PLACE TAGS ON ALL FIBER OPTIC CABLE IDENTIFYING THE OWNER AND DIRECTION OF THE CABLE AT EACH TERMINATION POINT AND IN EVERY HANDHOLE AND SPLICE VAULT. TAGS SHALL CLEARLY IDENTIFY WHERE EACH INDIVIDUAL CABLE RUN ORIGINATED AND WHERE IT ENDS (HANDHOLE TO HANDHOLE, HANDHOLE TO CABINET, HANDHOLE TO BUILDING, ETC.) FOR FIBER INSTALLATIONS WITH JOINT DEPARTMENT OF TRANSPORTATION/OTHER AGENCY (OR ENTITY) USE WHERE THE FIBER WILL BE OWNED BY THE OTHER AGENCY (OR ENTITY), INSTALL TYPICAL IDENTIFIERS AND/OR MARKINGS FOR THAT FIBER. COORDINATE FINAL MARKER LOCATIONS WITH ICN.
- 20. IN THE EVENT IT IS SUSPECTED THAT CABLE DAMAGE HAS OCCURRED PRIOR TO FINAL ACCEPTANCE, CONTRACTOR SHALL PERFORM OTDR TESTING OF ALL FIBER STRANDS WITHIN SEVENTY TWO (72) HOURS AFTER NOTIFICATION AND SUBMIT A COPY OF THE OTDR TEST TO THE ENGINEER UPON COMPLETION.
- 21. CONTRACTOR SHALL REPLACE OR REPAIR, AS DIRECTED BY THE ENGINEER, ANY DAMAGE OCCURRING BEFORE FINAL ACCEPTANCE AT NO ADDITIONAL COST TO THE IOWA COMMUNICATIONS NETWORK. THE CONTRACTOR WILL NOT BE GRANTED AN EXTENSION OF TIME FOR DELAYS CAUSED BY REPLACING OR REPAIRING THE INSTALLED CABLE.
- 22. CONTRACTOR SHALL REPAIR OR REPLACE ANY DEFECT IN THE INSTALLED CABLE AT NO ADDITIONAL COST TO THE IOWA COMMUNICATIONS NETWORK. CONSIDER A DEFECT TO BE ANY CONDITION RESULTING IN A NEGATIVE OR ADVERSE EFFECT ON CURRENT OR FUTURE OPERATIONS OF THE COMPLETED FIBER OPTIC COMMUNICATION SYSTEM AS DETERMINED BY THE ENGINEER.
- 23. ANY EXISTING WIRING THAT IS DAMAGED DURING FIBER OPTIC CABLE INSTALLTION SHALL BE REPLACED OR REPAIRED, AS DIRECTED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE IOWA COMMUNICATIONS NETWORK.
- 24. CONTRACTOR SHALL INSTALL WARNING TAPE OVER ALL PLOWED CONDUIT AND DIRECT BURIED FIBER CABLES.
- 25. THERE SHALL BE 4 MARKERS PLACED. MARKERS WILL BE PLACED IN COORDINATION WITH ICN. ICN WILL WORK WITH THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF THE MARKERS. MARKERS SHALL NOT BE PLACED WITHOUT COORDINATION WITH ICN.
- 26. A COPY OF THIS CONSTRUCTION PLAN AND THE SCOPE OF WORK SHALL BE ON SITE AND AVAILABLE TO THOSE ACTUALLY PERFORMING THE INSTALLATION AT ALL TIMES WORK IS UNDERWAY. FAILURE TO OBSERVE THIS REQUIREMENT MAY RESULT IN WORK BEING STOPPED UNTIL THE DOCUMENTS ARE AVAILABLE.

ICN STANDARDS:

CONTRACTOR SHALL ADHERE TO ICN STANDARD INSTALLATION DRAWING TYPICALS, PROJECT DETAILS, AND STANDARDS WITHIN THE SCOPE OF WORK BID DOCUMENT.

LOCATE FACILITIES

(THE CONDUIT/CABLE INSTALLATION CONTRACTOR IS RESPONSIBLE FOR PLACEMENT OF ALL LOCATE FACILITIES AND WIRES IN PREPARATION FOR THE SPLICING CONTRACTOR)

- 1. THE METALLIC SHIELD OF THE ARMORED CABLE SHALL BE USED AS THE LOCATE WIRE.

GENERAL NOTES



IOWA COMMUNICATIONS NETWORK

GRIMES STATE OFFICE BUILDING
400 EAST 14TH STREET
DES MOINES, IOWA 50319
ICN © 2018, COPY WITH PERMISSION

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

MARSHALLTOWN PD & FIRE PHASE 2
MARSHALLTOWN IOWA
OSP LOG# 64190305

SHEET C.02

SCALE: NONE

SIZE: 11 x 17

F:\2016\0501-1000\016-0760\40-Design\Microstation\016-0760_Marshalltown PD & Fire Ph 2\Base\Marchalltown_Design.dwg

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2	FINAL	04-12-19			

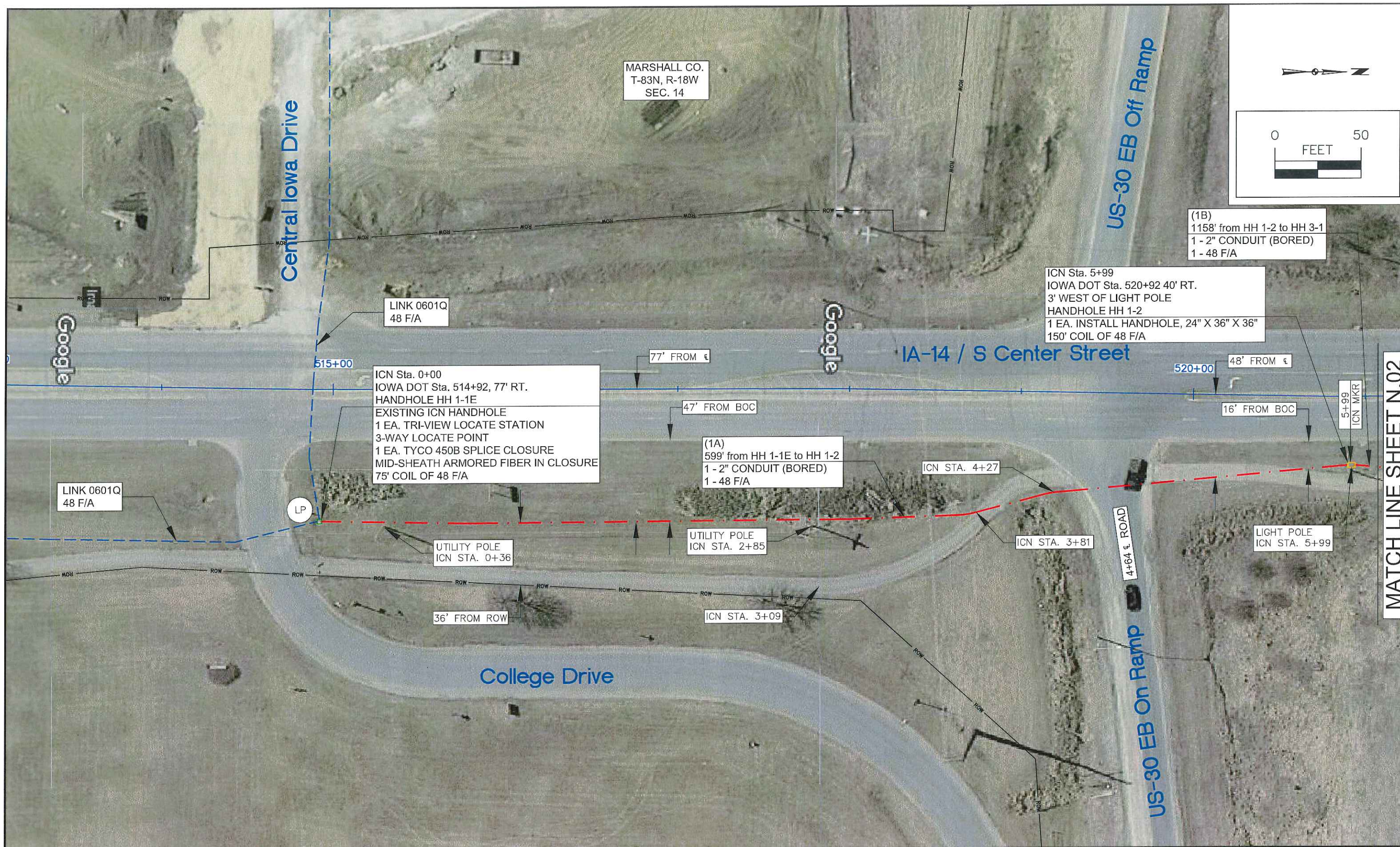
UTILITY CONTACTS				
Company	Name	Street	City, State, Zip	Phone
CITY OF MARSHALLTOWN	Brad Bateman	205 E. STATE ST.	MARSHALLTOWN, IA 50158	641-754-5734
ALLIANT ENERGY	PATRICIA SCHMITT	1911 E. ANSON ST.	MARSHALLTOWN, IA 50158	319-786-4239
CITY OF MARSHALLTOWN PUBLIC WORKS	JUSTIN NICKEL	36 N. CENTER STREET	MARSHALLTOWN, IA 50158	641-754-5734

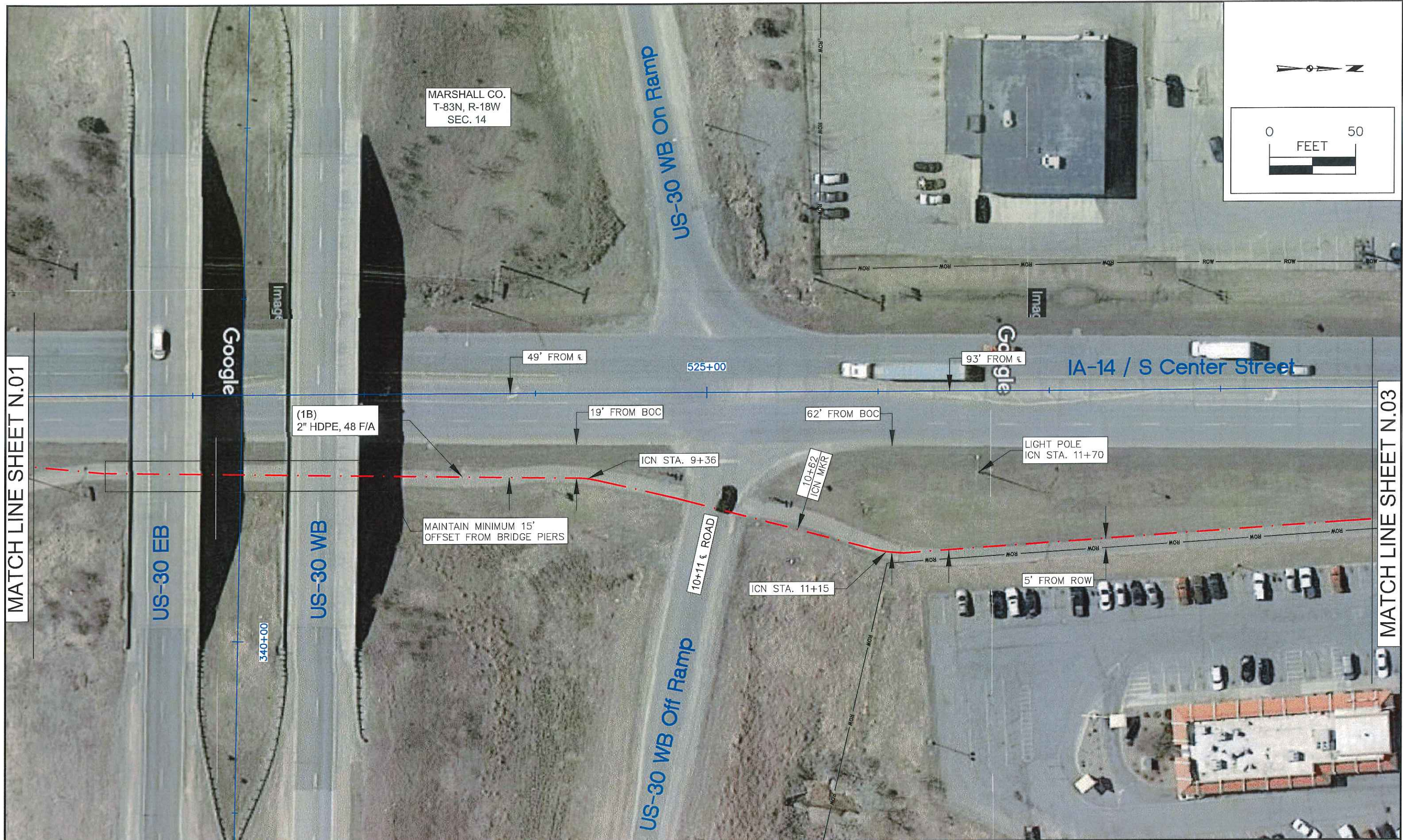
PERMIT CONTACTS						
Entity	Permit Notes	Contact Name	Street	City, State, Zip	Phone	Email Address
CITY OF MARSHALLTOWN	CITY OF MARSHALLTOWN DOES NOT REQUIRE A PERMIT. REQUESTED 90% PLANS SENT TO THE CITY FOR ROUTE REVIEW	BRAD BATEMAN	205 E. STATE ST.	MARSHALLTOWN, IA 50158	641-754-5734	bbateman@marshalltown-ia.gov
IOWA DOT		DEANNA SMYTH-PETERS	2300 S.E. 17TH ST.	GRIMES, IA 50111	515-986-5460	deanna.smyth-peters@iowadot.us

NOTE 1: THIS LIST IS NOT ALL-INCLUSIVE. CONTRACTOR IS RESPONSIBLE TO REQUEST LOCATES OF ALL UTILITIES, AND COORDINATE IF NEEDED, PRIOR TO COMMENCING WORK. 72 HOUR ADVANCE NOTICE IS REQUIRED TO NOTIFY ALL UTILITY COMPANIES.

NOTE 2: EXISTING UTILITY CONFLICTS: ANY CHANGES TO THE PLANNED RUNNING LINE REQUIRE PRE-APPROVAL BY THE ICN AND ROW AUTHORITY HAVING JURISDICTION. THE PLAN FOR PARALLEL UTILITIES WOULD BE TO ADJUST THE RUNNING LINE BY AN APPROPRIATE OFFSET (APPROXIMATELY 2') OR CHANGE DEPTH OF THE INSTALLATION DEPENDING ON ROW AVAILABILITY.

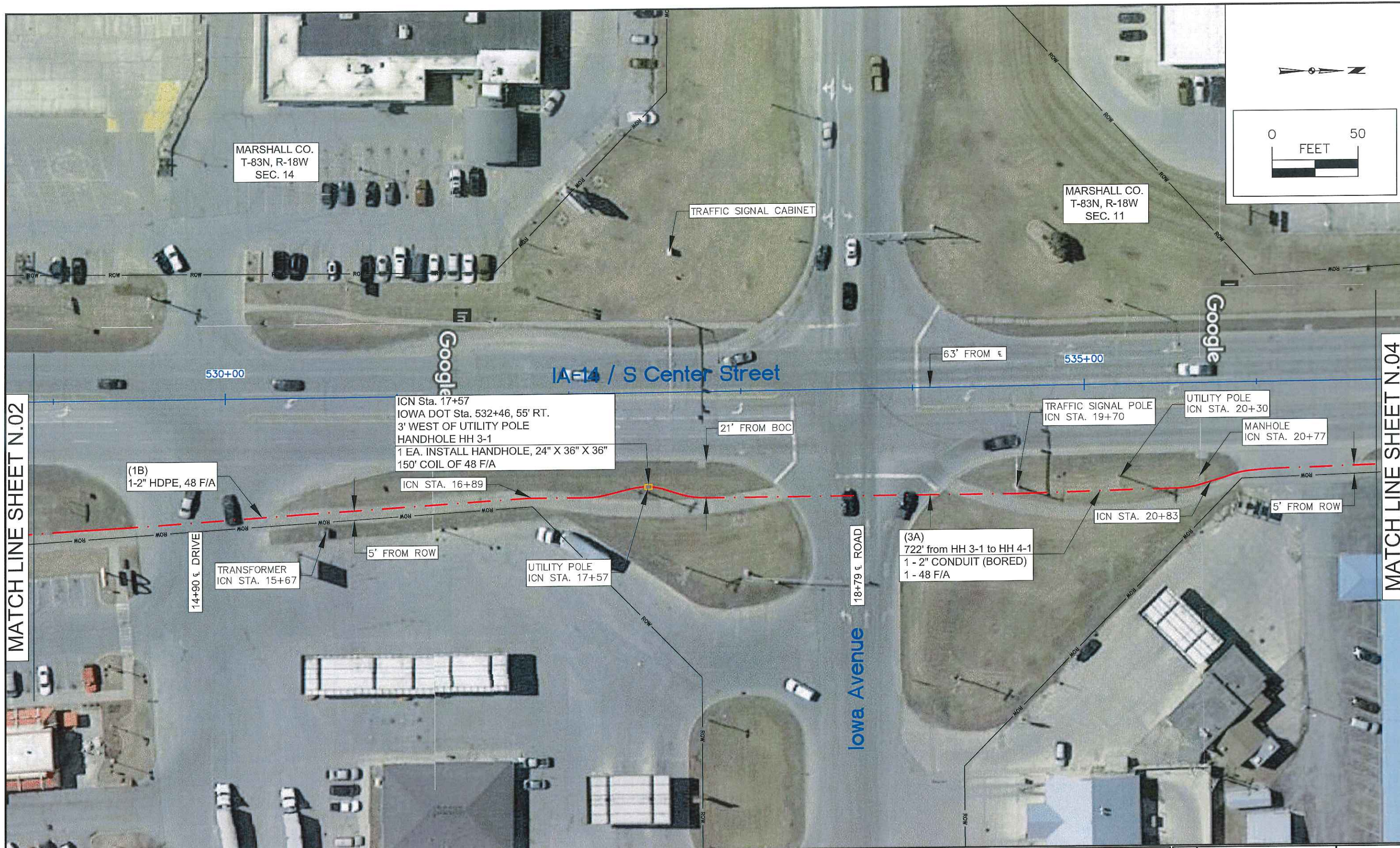
UTILITY CONTACTS



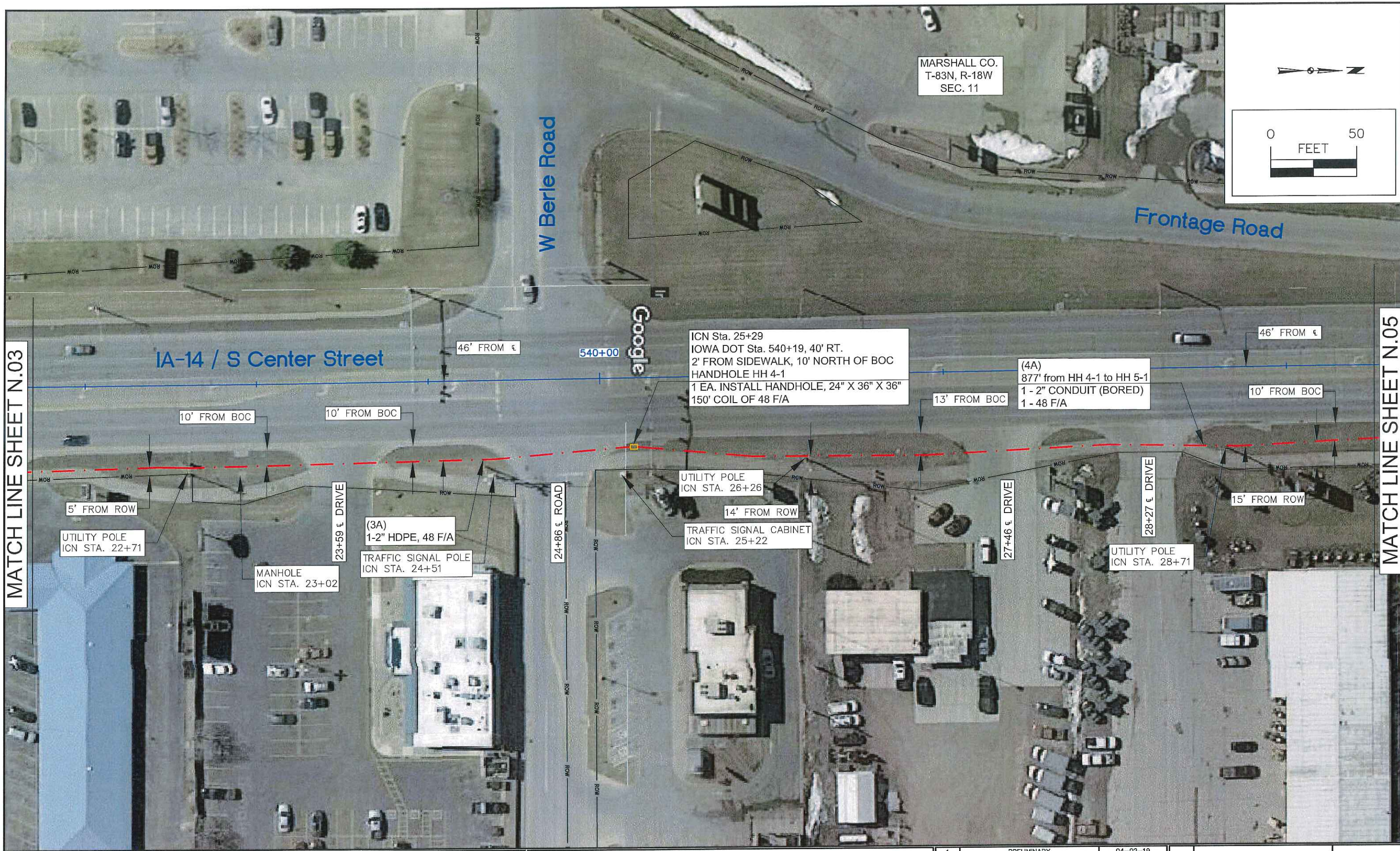


MATCH LINE SHEET N.01

MATCH LINE SHEET N.03

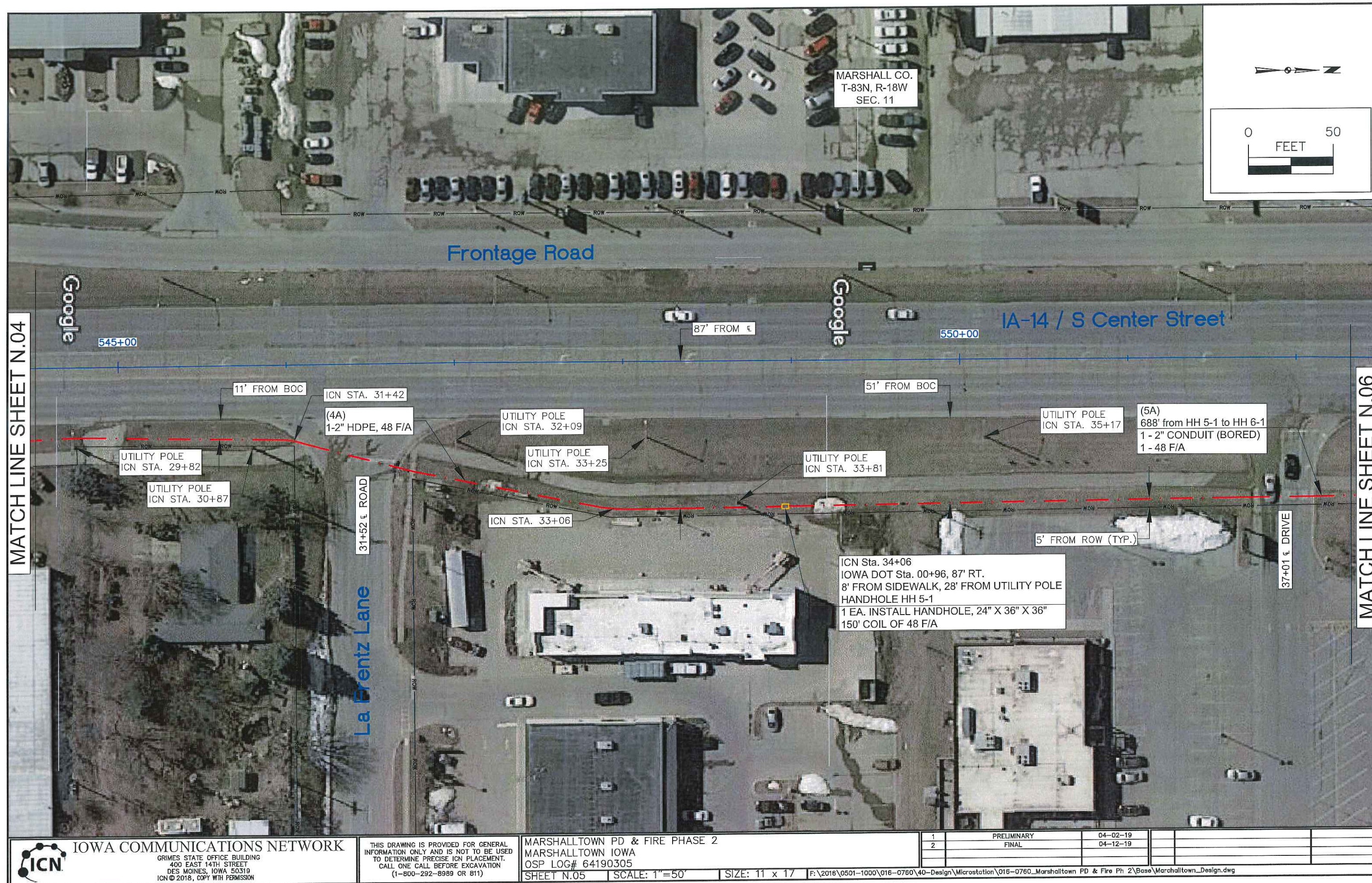


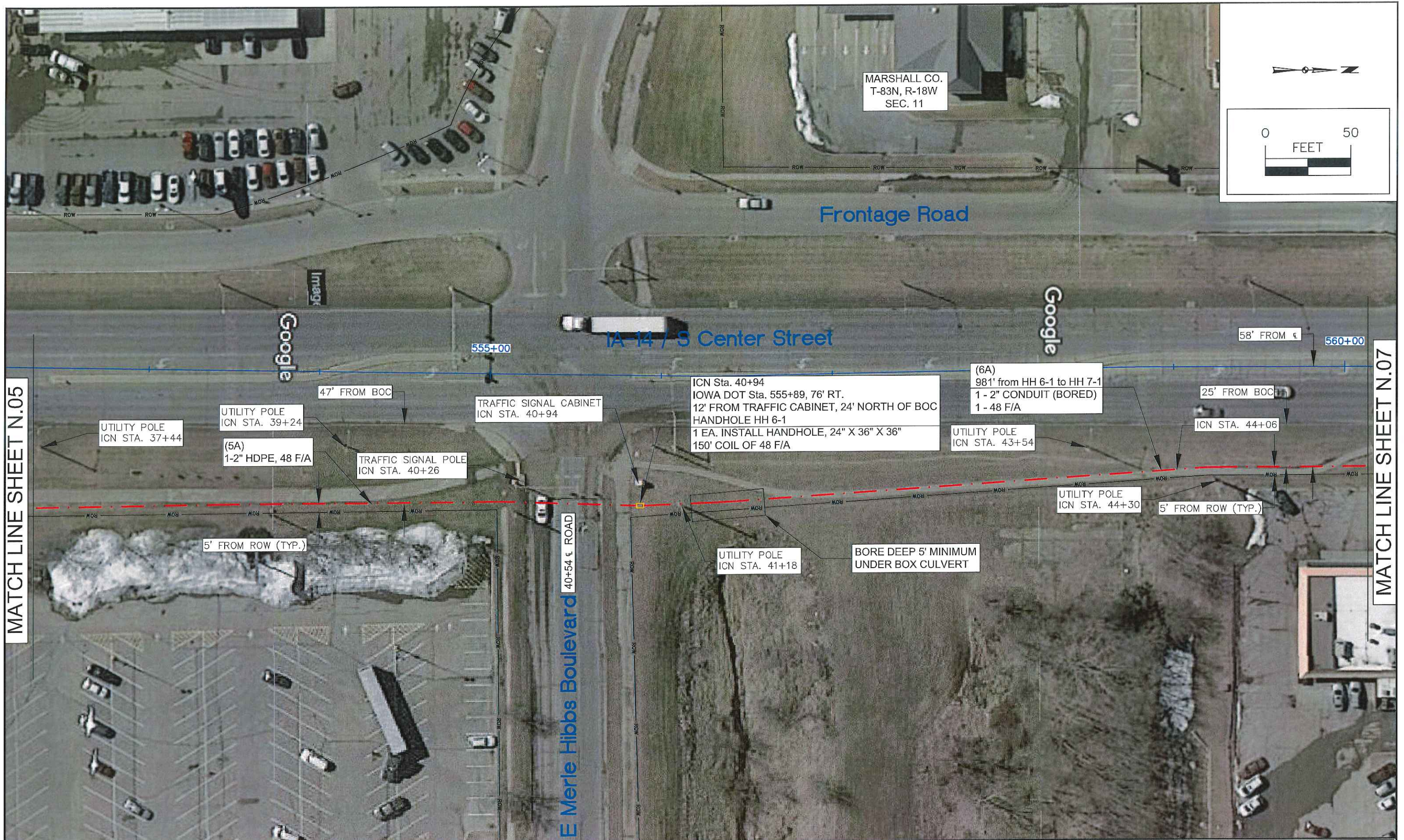
 IOWA COMMUNICATIONS NETWORK GRIMES STATE OFFICE BUILDING 400 EAST 14TH STREET DES MOINES, IOWA 50319 ICN © 2018, COPY WITH PERMISSION	THIS DRAWING IS PROVIDED FOR GENERAL INFORMATION ONLY AND IS NOT TO BE USED TO DETERMINE PRECISE ICN PLACEMENT. CALL ONE CALL BEFORE EXCAVATION (1-800-292-8989 OR 811)	MARSHALLTOWN PD & FIRE PHASE 2 MARSHALLTOWN IOWA OSP LOG# 64190305 SHEET N.03	SCALE: 1"=50'	SIZE: 11 x 17	F:\2016\0501-1000\016-0760\40-Design\Microstation\016-0760_Marshalltown PD & Fire Ph 2\Base\Marshalltown_Design.dwg	1	PRELIMINARY	04-02-19		
						2	FINAL	04-12-19		



MATCH LINE SHEET N.03

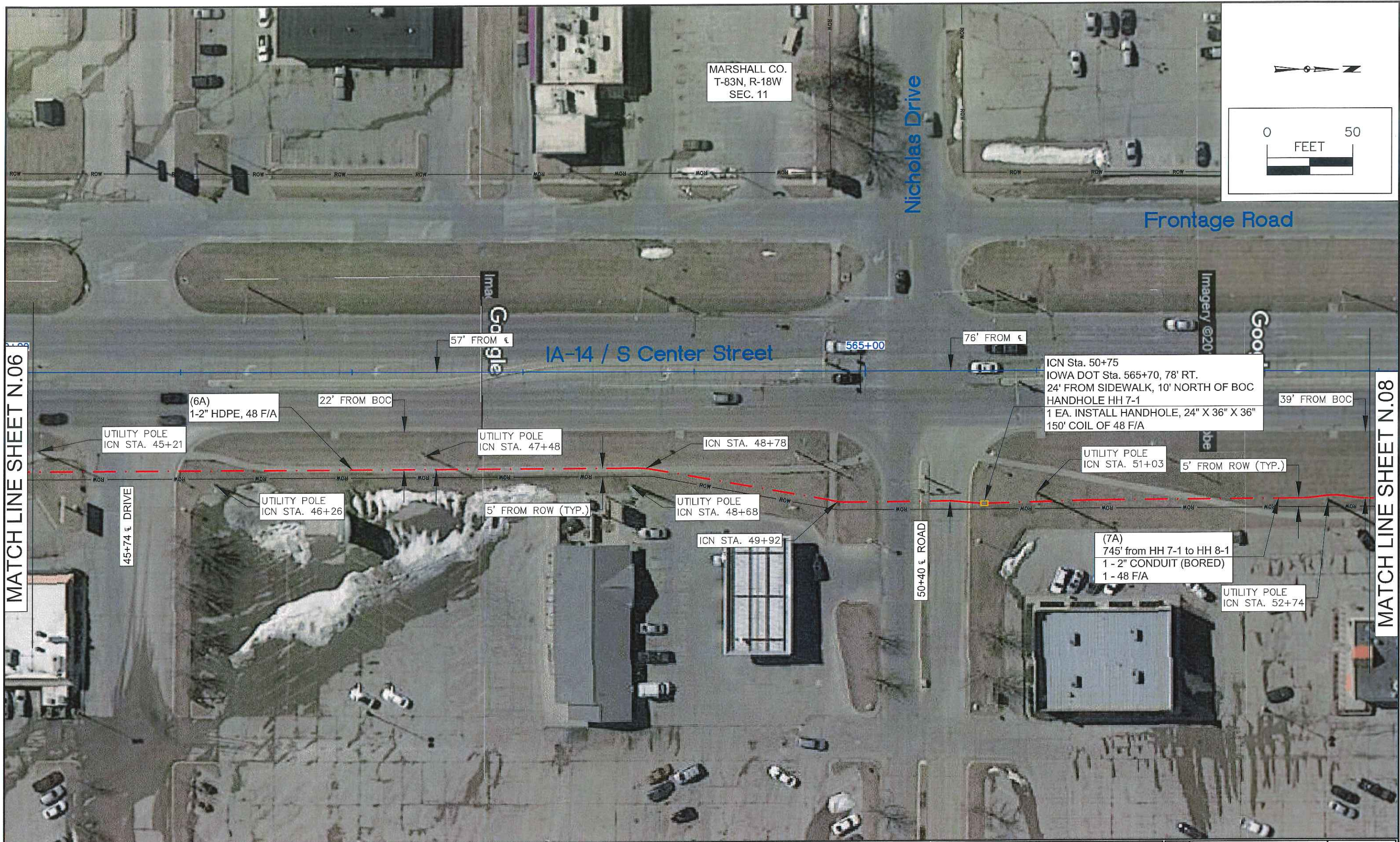
MATCH LINE SHEET N.05

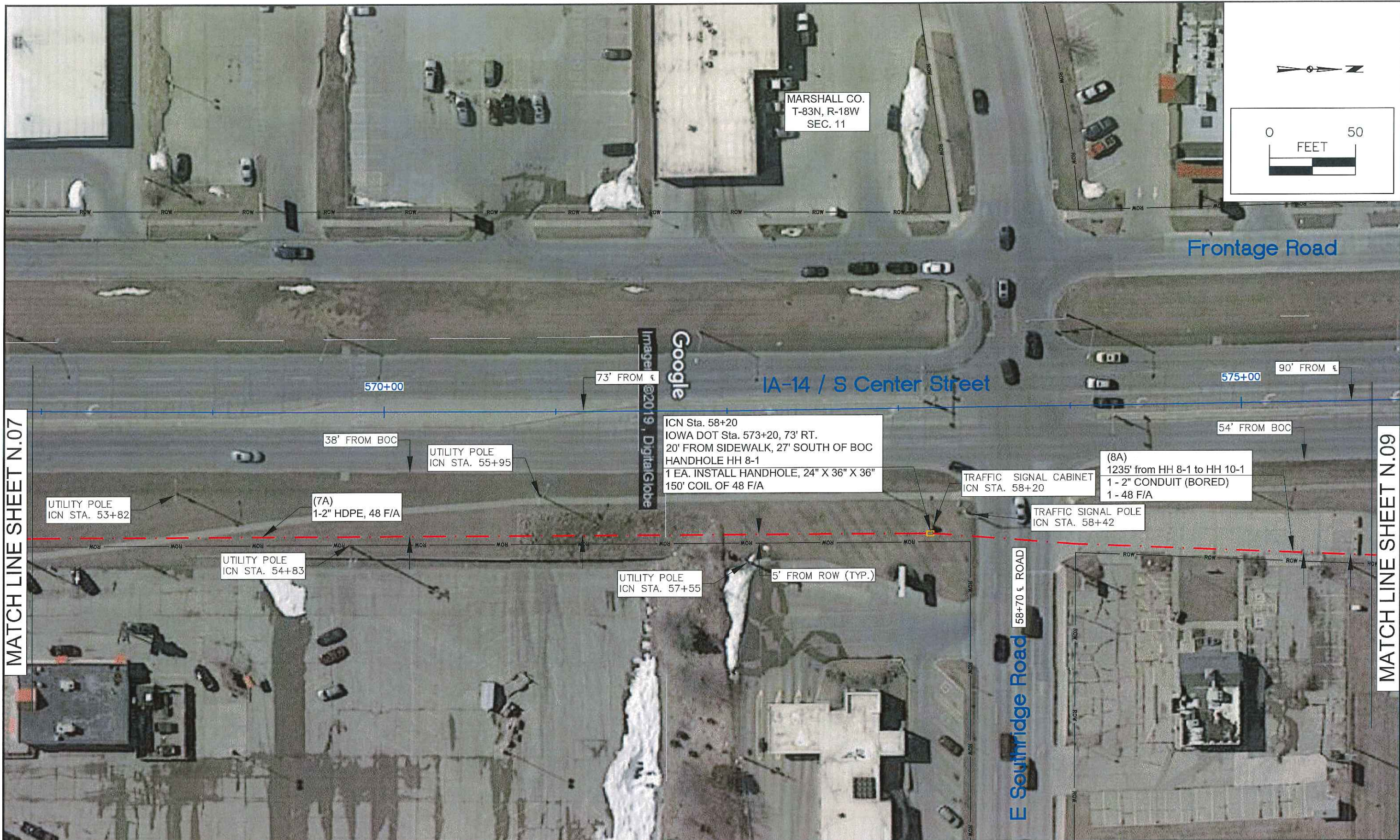




MATCH LINE SHEET N.05

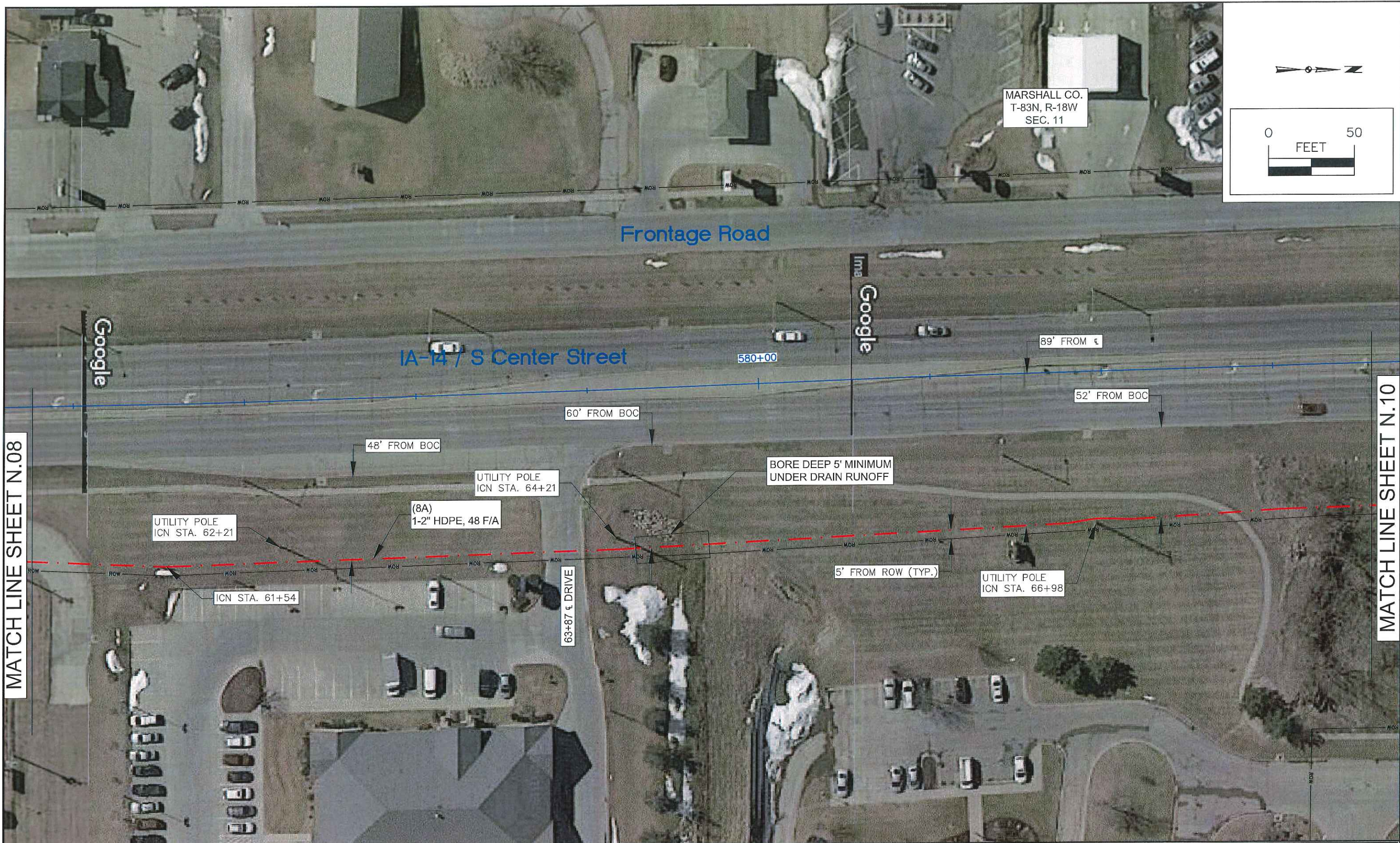
MATCH LINE SHEET N.07





MATCH LINE SHEET N.07

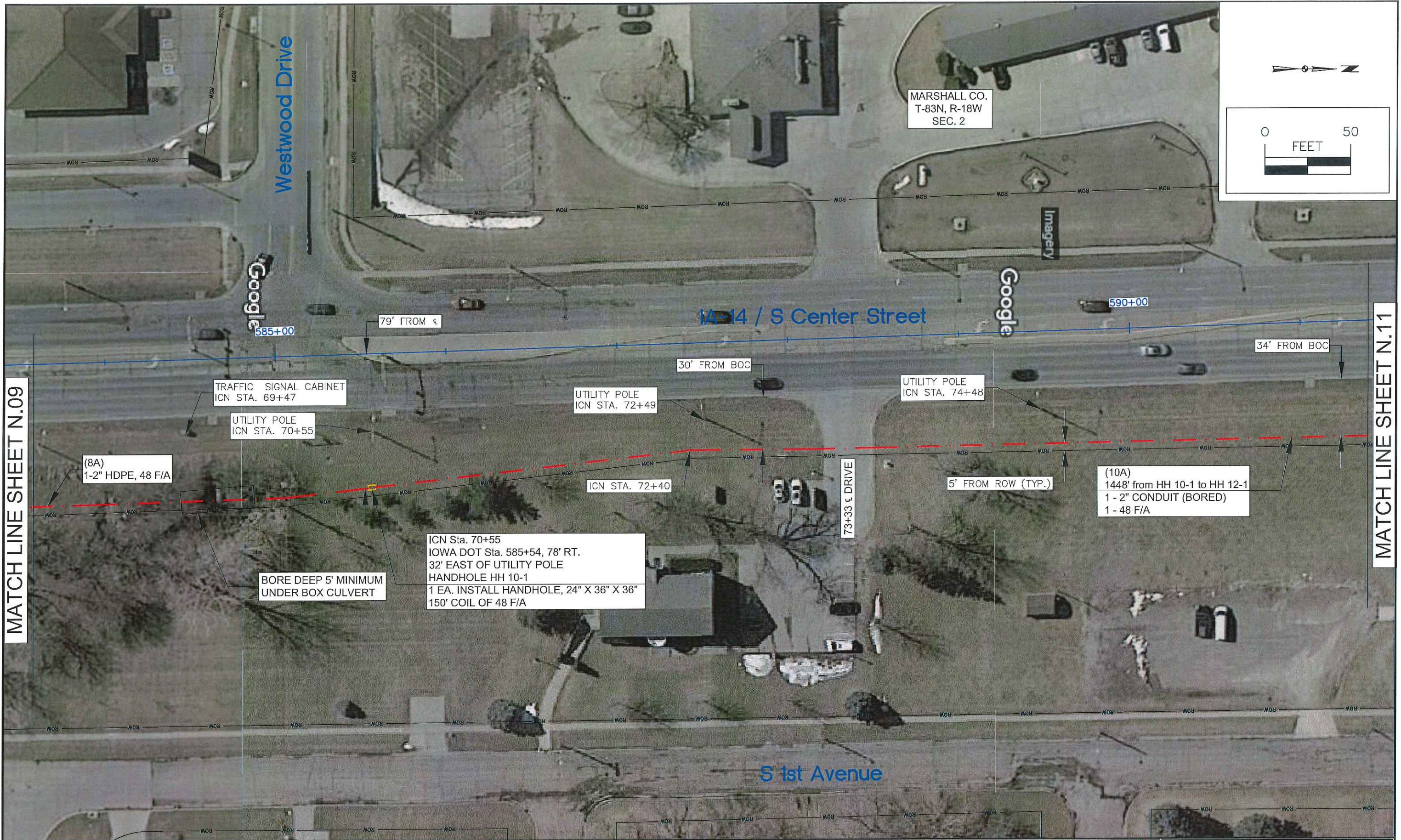
MATCH LINE SHEET N.09



MATCH LINE SHEET N.08

MATCH LINE SHEET N.10

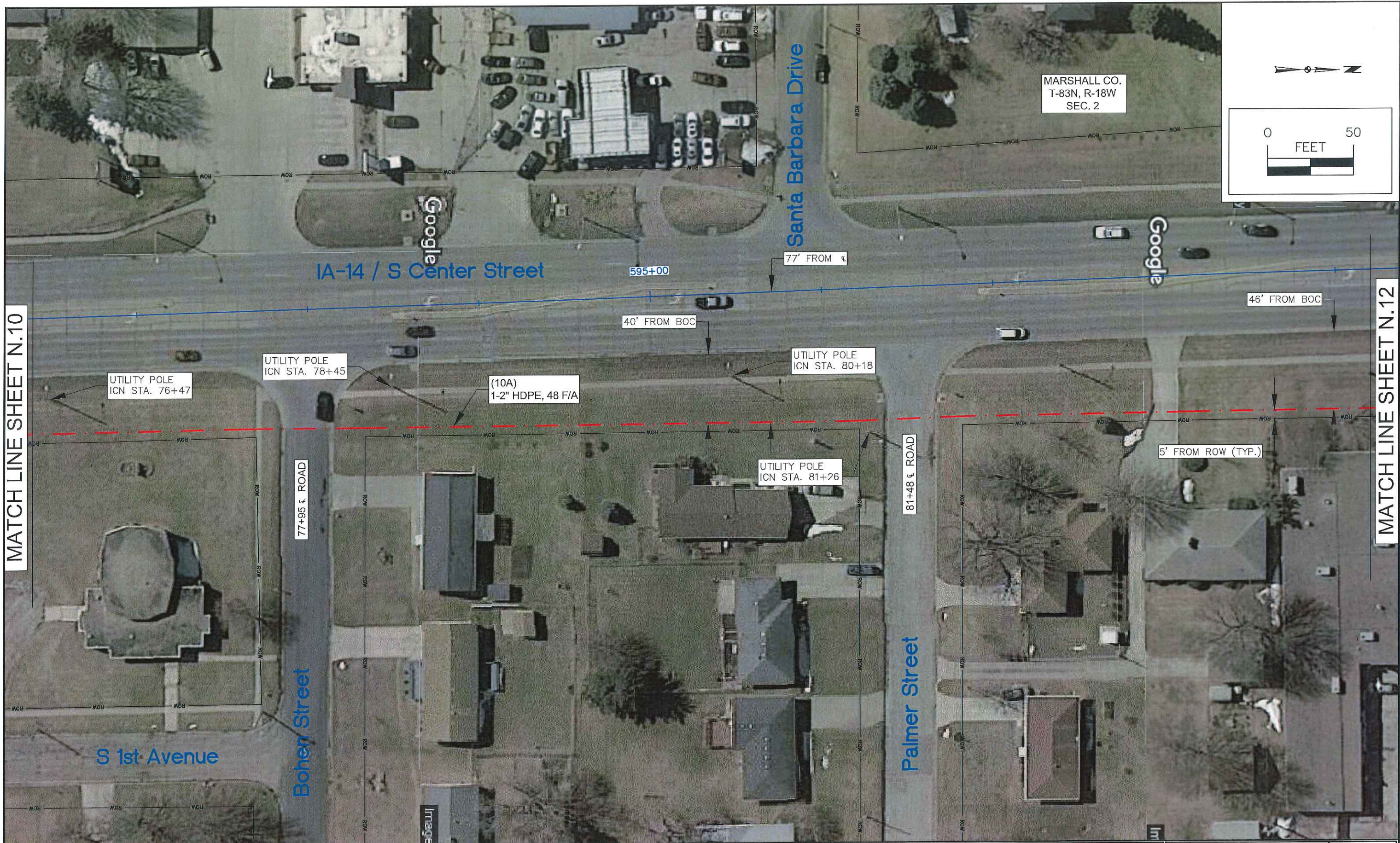
S



MATCH LINE SHEET N.09

MATCH LINE SHEET N.11

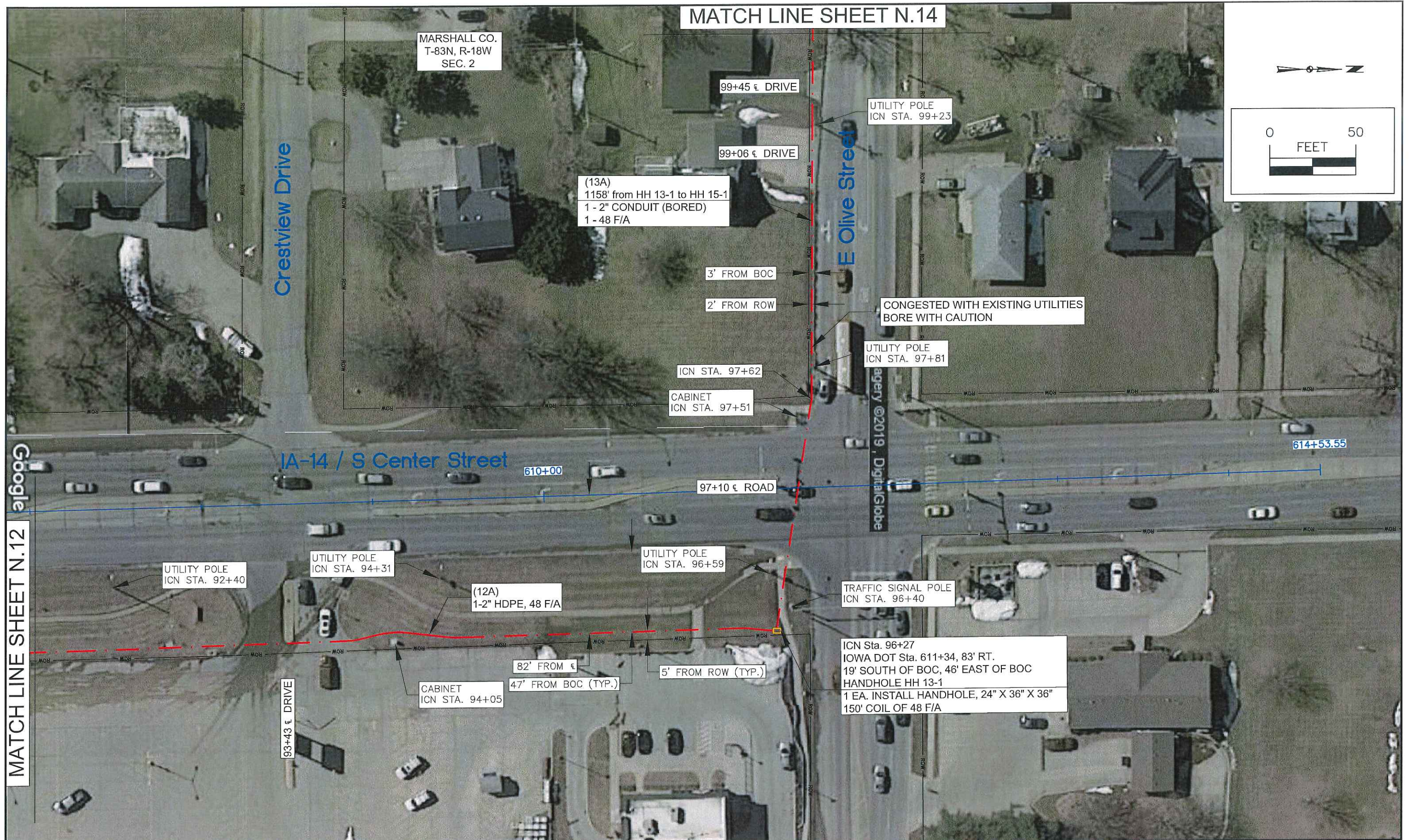
1	PRELIMINARY	04-02-19		
2	FINAL	04-12-19		



MATCH LINE SHEET N.10

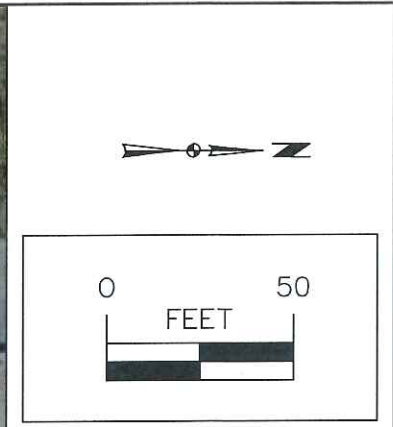
MATCH LINE SHEET N.12

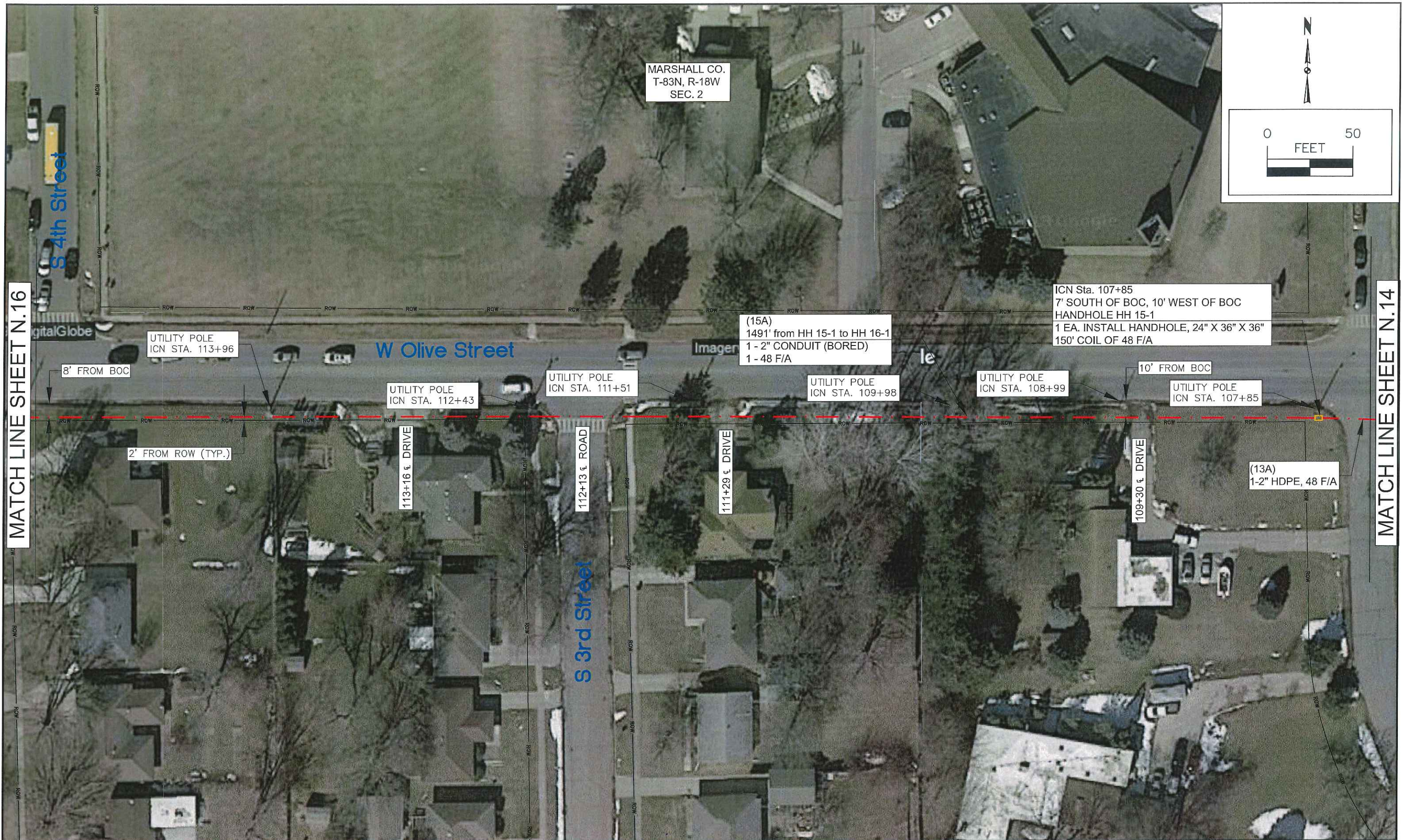
1	PRELIMINARY	04-02-19		
2	FINAL	04-12-19		



MATCH LINE SHEET N.12

MATCH LINE SHEET N.14





MATCH LINE SHEET N.16

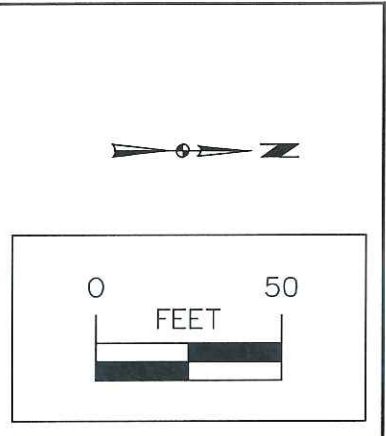
MATCH LINE SHEET N.14

MATCH LINE SHEET N.17



1	PRELIMINARY	04-02-19			
2	FINAL	04-12-19			

MATCH LINE SHEET N.15



MATCH LINE SHEET N.16

MATCH LINE SHEET N.18



IOWA COMMUNICATIONS NETWORK
GRIMES STATE OFFICE BUILDING
400 EAST 14TH STREET
DES MOINES, IOWA 50319
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MARSHALLTOWN PD & FIRE PHASE 2
MARSHALLTOWN IOWA
OSP LOG# 64190305
SHEET N.17 SCALE: 1"=50' SIZE: 11 x 17 F:\2016\0501-1000\016-0760\40-Design\Microstation\016-0760_Marshalltown PD & Fire Ph 2\Base\Marshalltown_Design.dwg

1	PRELIMINARY	04-02-19		
2	FINAL	04-12-19		



1	PRELIMINARY	04-02-19
2	FINAL	04-12-19

MATCH LINE SHEET N.18

