

For Project Location Map
Refer to Sheet No. A.2

No.	DESCRIPTION
A Sheets	Title Sheets
* A.1	Title Sheet
* A.2	Location Map Sheet
B Sheets	Typical Cross Sections and Details
* B.1 - 6	Typical Cross Sections and Details
D Sheets	Mainline Plan and Profile Sheets
* D.1	Plan & Profile Legend & Symbol Information Sheet
* D.2 - 5	SE 14th Street (US 69)
E Sheets	Side Road Plan and Profile Sheets
* E.1	Maury Street
* E.2 - 3	MLK Connector
* E.4 - 6	SE 12th Street
* E.7	Shaw Street
G Sheets	Survey Sheets
G.1	General Notes
G.2	Horizontal Control Tabulation
G.3 - 5	Alignment Data
J Sheets	Traffic Control and Staging Sheets
* J.1	Staging Notes
* J.2	Traffic Control & Staging Legend & Symbol Info. Sheet
* J.3 - 65	Traffic Control & Staging Plan Sheets
* J.66	Traffic Control & Detour Route Details
M Sheets	Storm Sewer Sheets
* M.1	Storm Sewer Legend & Symbol Information Sheet
* M.2 - 5	Storm Sewer Plan and Profile Sheets US 69
* M.6	Storm Sewer Plan and Profile Sheets Maury St.
* M.7	Storm Sewer Plan and Profile Sheets MLK Connector
* M.8	Storm Sewer Plan and Profile Sheets SE 12th St.
N Sheets	Traffic Signal Sheets
* N.1	Traffic Signal General Notes & Legend
* N.2 - 4	14th Street & Maury Street Traffic Signal
* N.5 - 6	14th Street & Maury Street Traffic Signal Tabulations
* N.7 - 8	14th Street & MLK Connector Traffic Signal
* N.9 - 10	14th Street & MLK Connector Traffic Signal Tabulations
* N.11 - 12	Fiber Optic Interconnection
N.13	Fiber Optic Interconnection Tabulations
N.14 - 15	Traffic Signal Details
N.16	Temporary Traffic Signal Notes
N.17	Temporary Traffic Signal Detail
R Sheets	Erosion Control Sheets
* R.1 - 8	Est. Quantities, PPP, General Notes and Tabulations
S Sheets	Sidewalk Sheets
* S.1 - 8	Sidewalk Plan Sheets
W Sheets	Mainline Cross Sections
* W.1	Cross Sections Legend & Symbol Information Sheet
* W.2 - 32	Mainline Cross Sections
X Sheets	Side Road Cross Sections
* X.1 - 4	Side Road Cross Sections
* X.5 - 11	Side Road Cross Sections
* X.12 - 14	Side Road Cross Sections
	* Color Plan Sheets

PLANS OF PROPOSED IMPROVEMENT ON THE
PRIMARY ROAD SYSTEM
POLK COUNTY
PCC Pavement Widening
Des Moines River to 500 ft N of Maury Ave in Des Moines

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

Value Engineering Saves. Refer to Article 1105.14 of the Specifications.



REVISIONS

TOTAL

178

PROJECT IDENTIFICATION NUMBER

17-77-069-010

PROJECT NUMBER

NHSN-069-4(110)--2R-77

R.O.W. PROJECT NUMBER

DMWW U3 First Plan Review Comments Sent 1/28/25.
For questions or comments please contact the following:

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GENERAL DMWW REVIEW NOTES:

Is Iowa DOT going to require DMWW to relocate outside of SE 14th St and any side roads?

8" Cast Iron Water Main appears to be shallower than normal 5.5' bury depth along SE 14th St according to main break measurements.

Show all existing curb stops on the plan set that survey is able to locate. Provide typical notes to protect and adjust to final grade (if needed).

Two gate valves in 1200'± of water main. 1 at Maury St., 1 at Harriett St. Proposed 8" gate valve shown on Sheet M.3 in conjunction with hydrant replacement.

There will be required adjustments to existing water services. If water service line must be altered, new service must be installed from main. We do not allow couplings in water services. Curb stops and valves must be adjusted to final grade.

Feeder mains are not shown on the drawings and must be added. Protective language to protect feeder mains will be required. Potholing will be required around critical areas, such as conflicts with proposed storm sewer, pavement removals, changes in grade, etc. Please provide plan and profile review sheets with the alignment set on the existing 48" feeder main after locates and potholes are performed. Prestressed concrete cylinder pipe (PCCP) is highly sensitive to additional dead and live loads (i.e. depth of cover, construction traffic, disturbance, etc.)

Please ensure that all DMWW water feeder and distribution main is located within the right-of-way (ROW) limits with enough space for future maintenance (minimum of 5 ft. from ROW lines, greater than 10 feet preferred). If not, we must be located within a permanent easement with specific language.

Please be mindful of any utility conflicts with proposed subdrain and any traffic signal and light pole foundations.

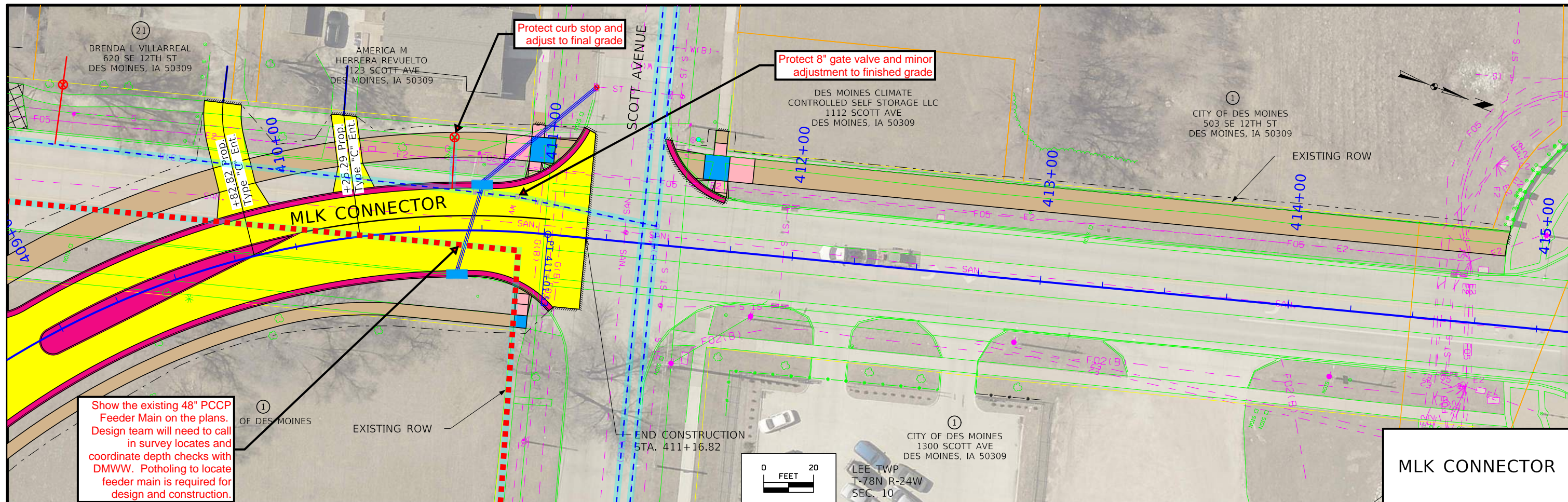
DESIGN DATA URBAN

2018	AADT	34,300	V.P.D.
20XX	AADT	X	V.P.D.
2050	AADT	37,700	V.P.D.
20XX	DHV	X	V.P.H.
	TRUCKS	4	%
	Total		
	Design ESALs	--	

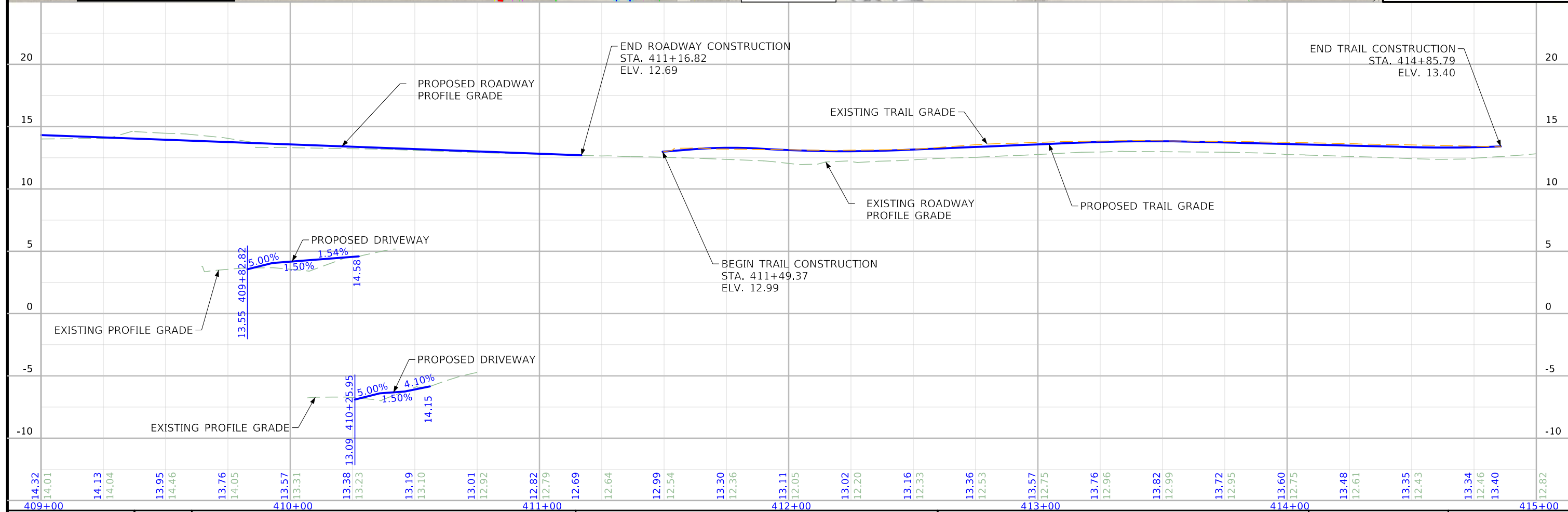
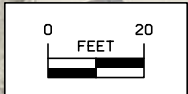
PRELIMINARY PLANS

Subject to change by final design.

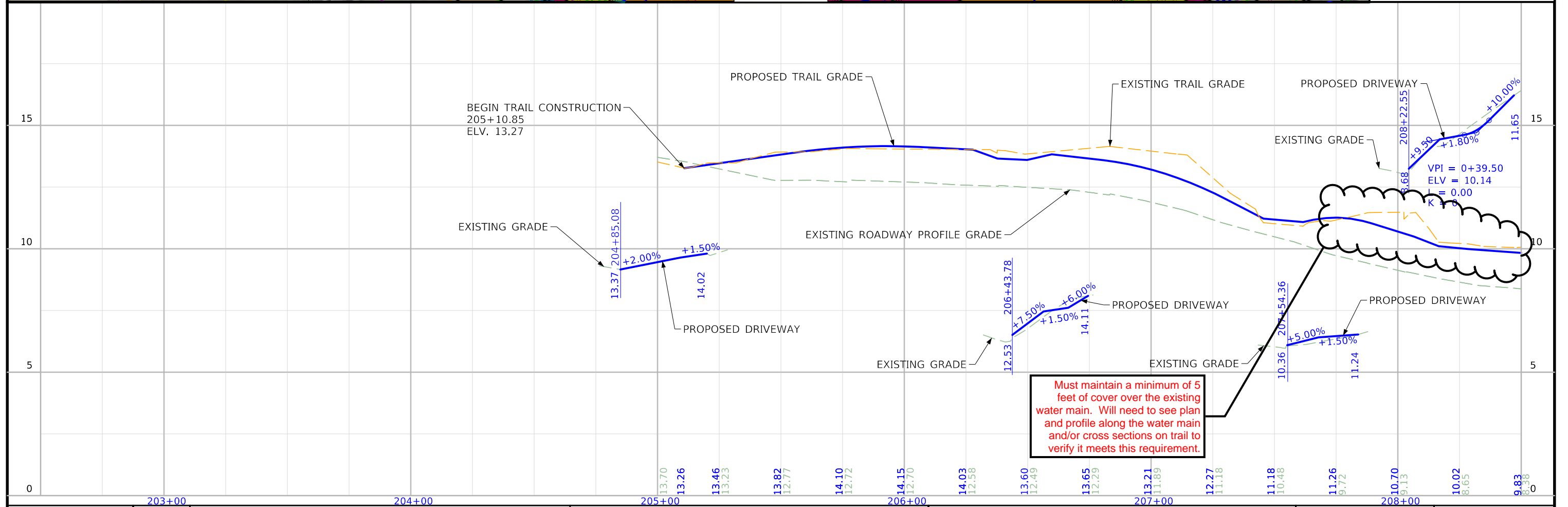
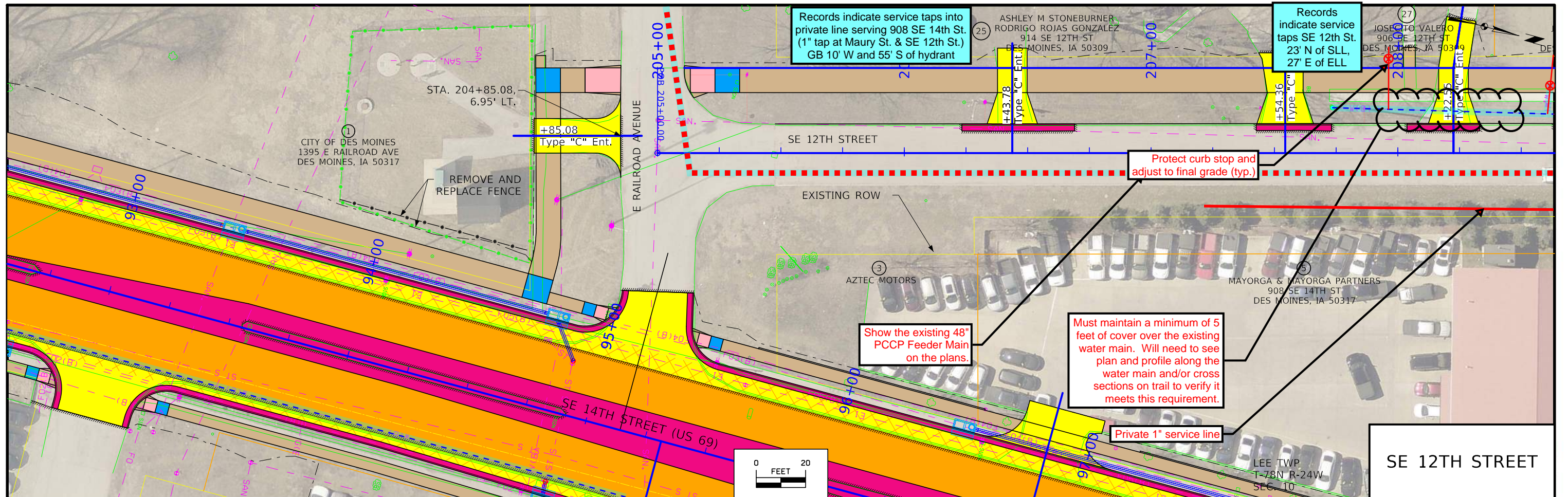
D5 PLAN - Date: 07-19-24



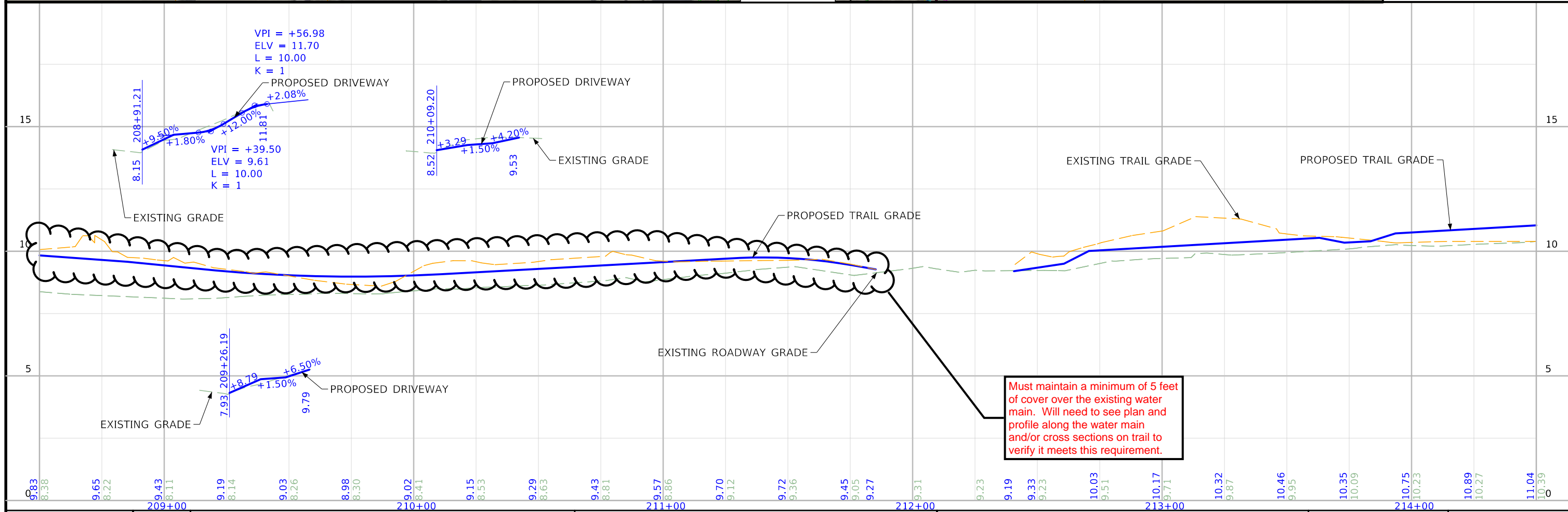
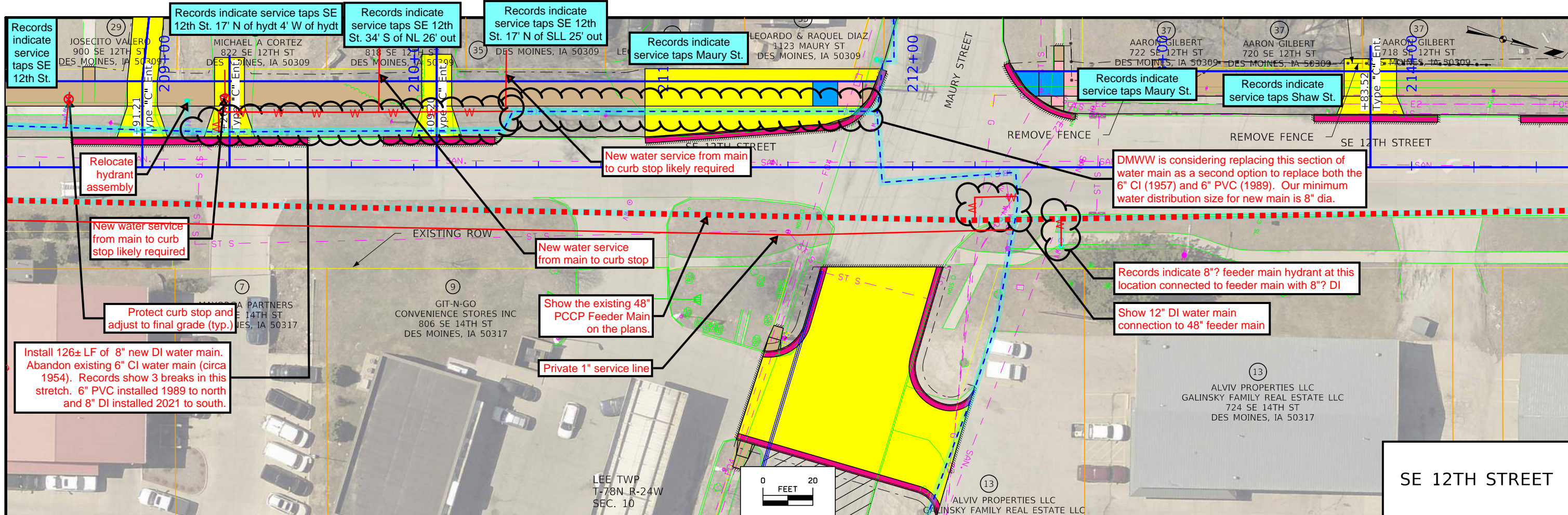
Show the existing 48" PCCP Feeder Main on the plans. Design team will need to call in survey locates and coordinate depth checks with DMWW. Potholing to locate feeder main is required for design and construction.

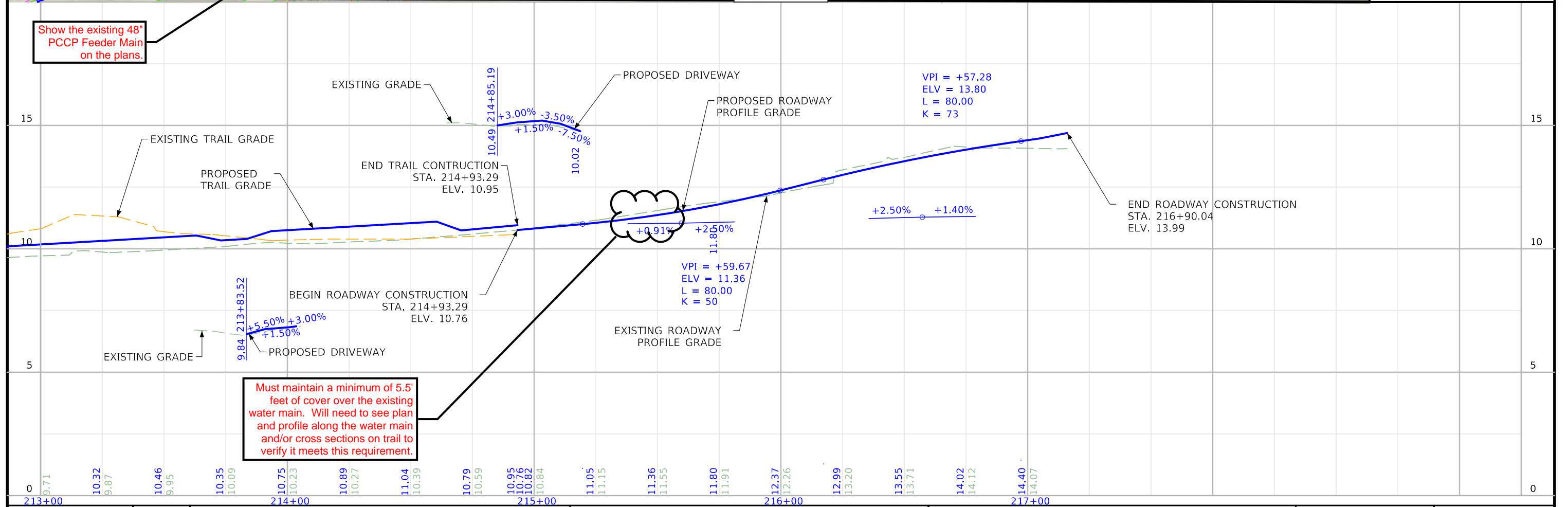
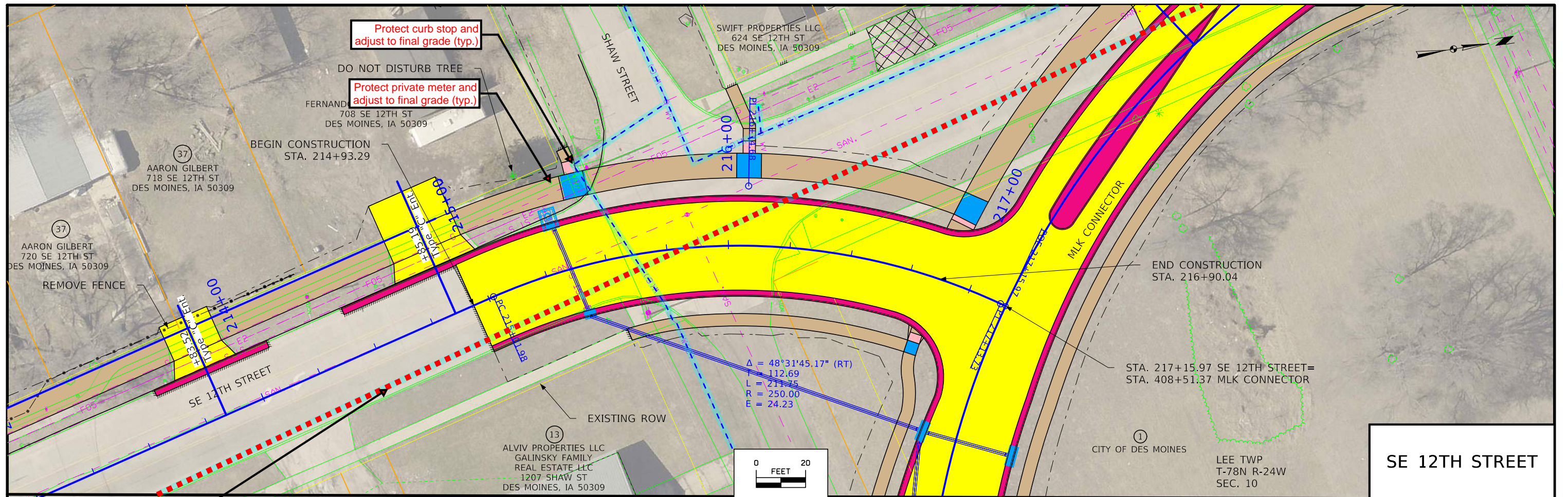


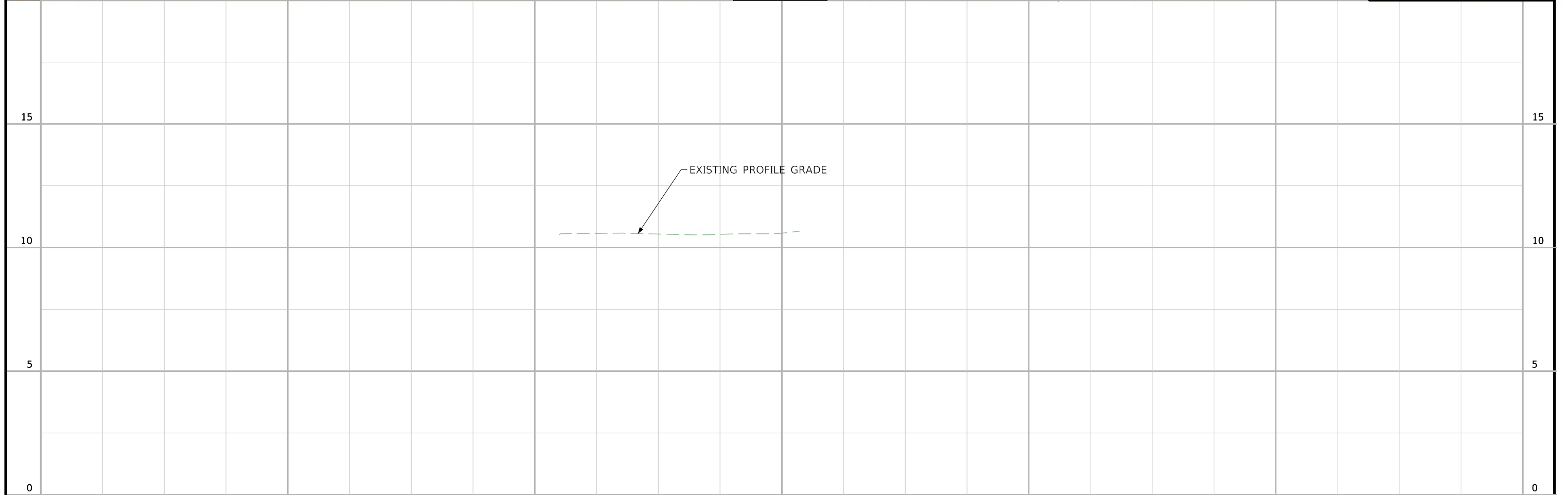
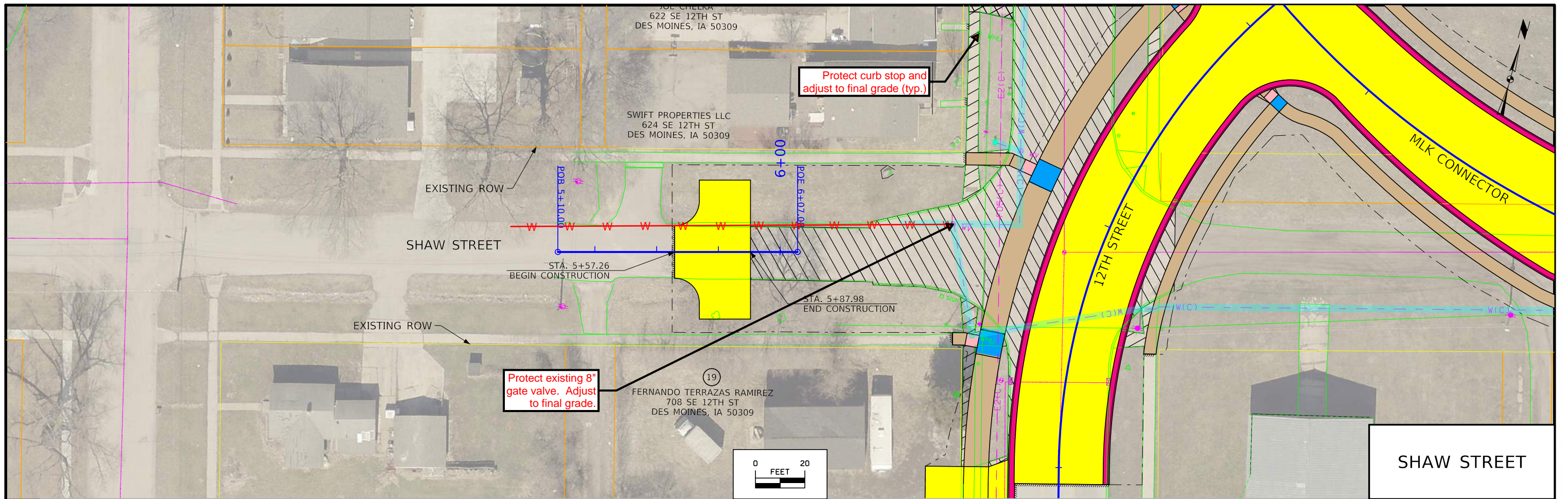
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FILE NO.	ENGLISH	DESIGN TEAM Iowa DOT / HR Green	POLK COUNTY	PROJECT NUMBER NHSN-069-4(110)--2R-77	SHEET NUMBER E.4
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SURVEY SYMBOLS

- Interstate Highway Symbol
- U.S. Highway Symbol
- Iowa Highway Symbol
- County Road Highway Symbol
- Evergreen Tree
- Deciduous Tree
- Fruit Tree
- Shrub (Bushes)
- Timber
- Hedge
- Stump
- Swamp
- Rock Outcrop
- Broken Concrete
- Revetment (Rip Rap)
- Cemetery
- Grave
- Cave
- Sink Hole
- Board Fence
- Chain Link or Security Fence
- Wire Fence
- Terrace
- Earth Dam or Dike (Existing)
- Tile Outlet
- Edge of Water
- Existing Drainage
- Right of Way Rail or Lot Corner
- Concrete Monument
- Well
- Windmill
- Beehive Intake
- Existing Intake
- Existing Utility Access (Manhole)
- Fire Hydrant
- Water Hydrant (Rural)
- Septic Tank
- Cistern
- L.P. Gas Tank (No Footing)
- Underground Storage Tank
- Latrine
- Satellite TV Dish
- Water Hook Up
- Radio Tower
- Tower Anchor
- Guardrail (Beam or Cable)
- Guard Post (one or two)
- Guard Post (over two)
- Filler Pipe
- Gas Valve
- Water Valve
- Speed Limit Sign
- Mile Marker Post
- Sign
- Traffic Signal Control Box
- Rail Road Signal Control Box
- Telephone Switch Box
- Electric Box

UTILITY LEGEND

- F0 United Private Networks
- F02 Mediacom
- F03 Lumen
- F04 Aureon
- F05 Iowa Communications Network
- E1 MidAmerican Energy
- E2 City of Des Moines Traffic Signal
- G MidAmerican Energy
- W Des Moines Water Works
- ST S City of Des Moines
- SAN. City of Des Moines

PLAN VIEW COLOR LEGEND OF STORM SEWER SHEETS

LINEWORK		Design Color No.	
Gray, Dark	(112)		Existing Topographic Features, Utilities, and Labels
Blue	(1)		Proposed Storm Sewer Details, Alignment, Stationing, Tic Marks, and Alignment Annotation
SHADING		Design Color No.	
Gray, Light	(48)		Proposed Pavement Shading

PROFILE VIEW COLOR LEGEND OF STORM SEWER SHEETS

LINEWORK		Design Color No.	
Gray, Dark	(112)		Existing Ground Line Profile and Existing Utilities Information
Blue	(1)		Proposed Pipes and Intakes

PLAN VIEW LINE STYLE LEGEND OF STORM SEWER SHEETS

- Plug and Abandon Existing Pipe or Structure
- Removal of Existing Pipe or Structure
- Previously Constructed Pipe or Structure
- Direction of Pipe Flow

PROFILE VIEW LINE STYLE LEGEND OF STORM SEWER SHEETS

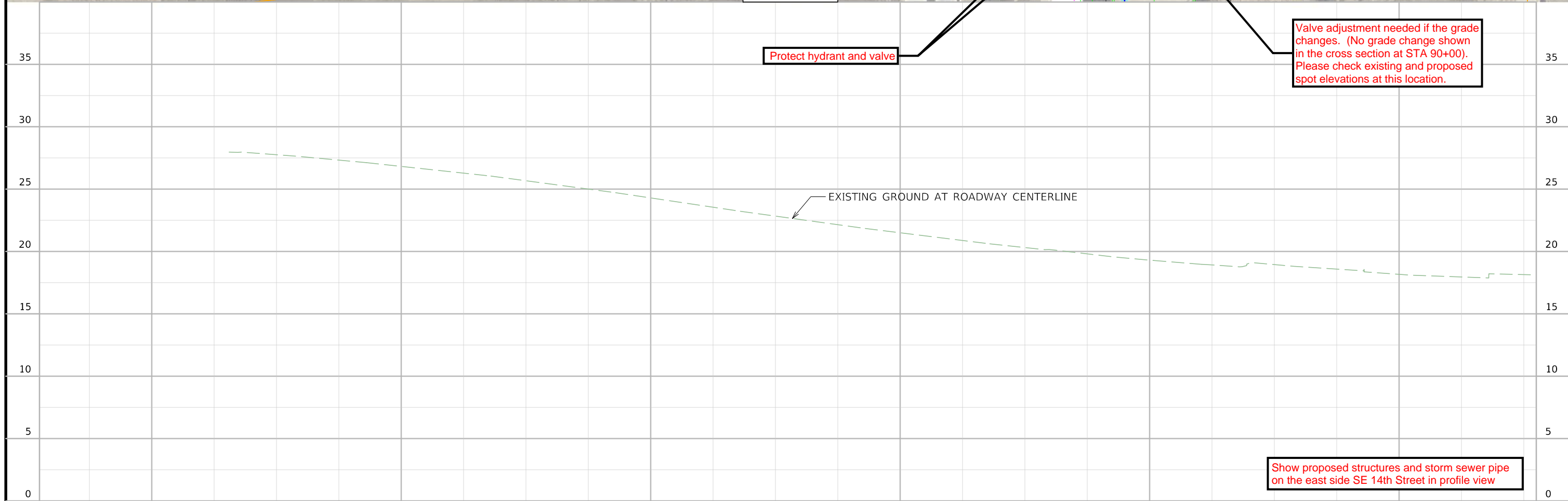
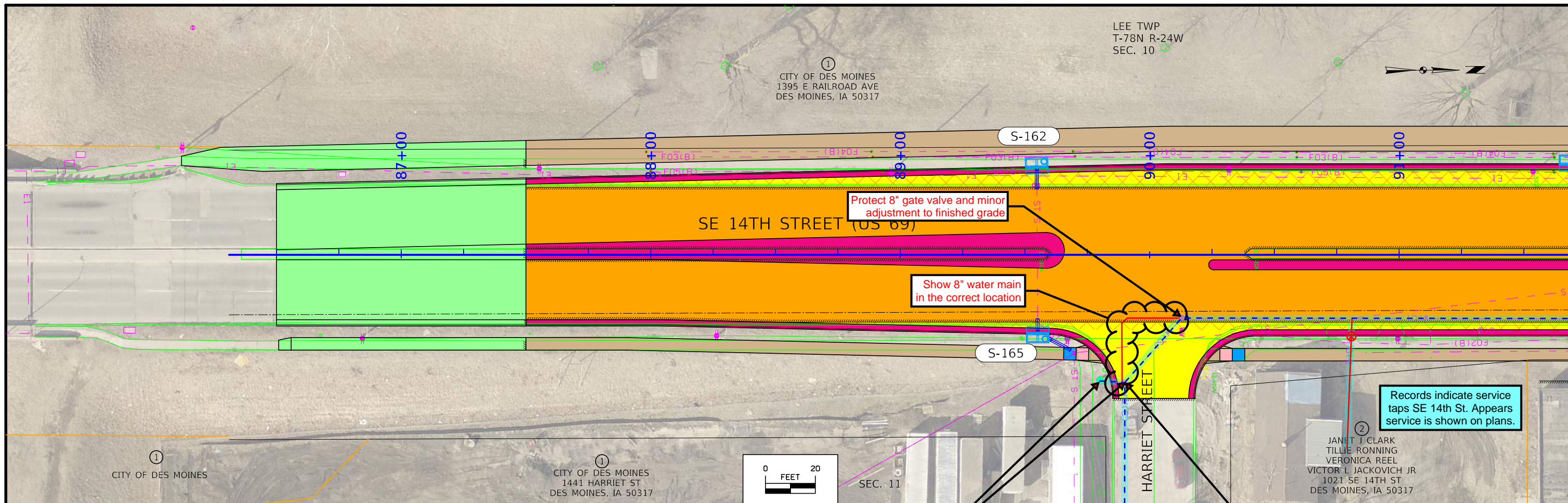
- Existing Ground
- Proposed Ground
- Previously Constructed Pipe or Structure
- Proposed Pipe or Structure

RIGHT-OF-WAY LEGEND

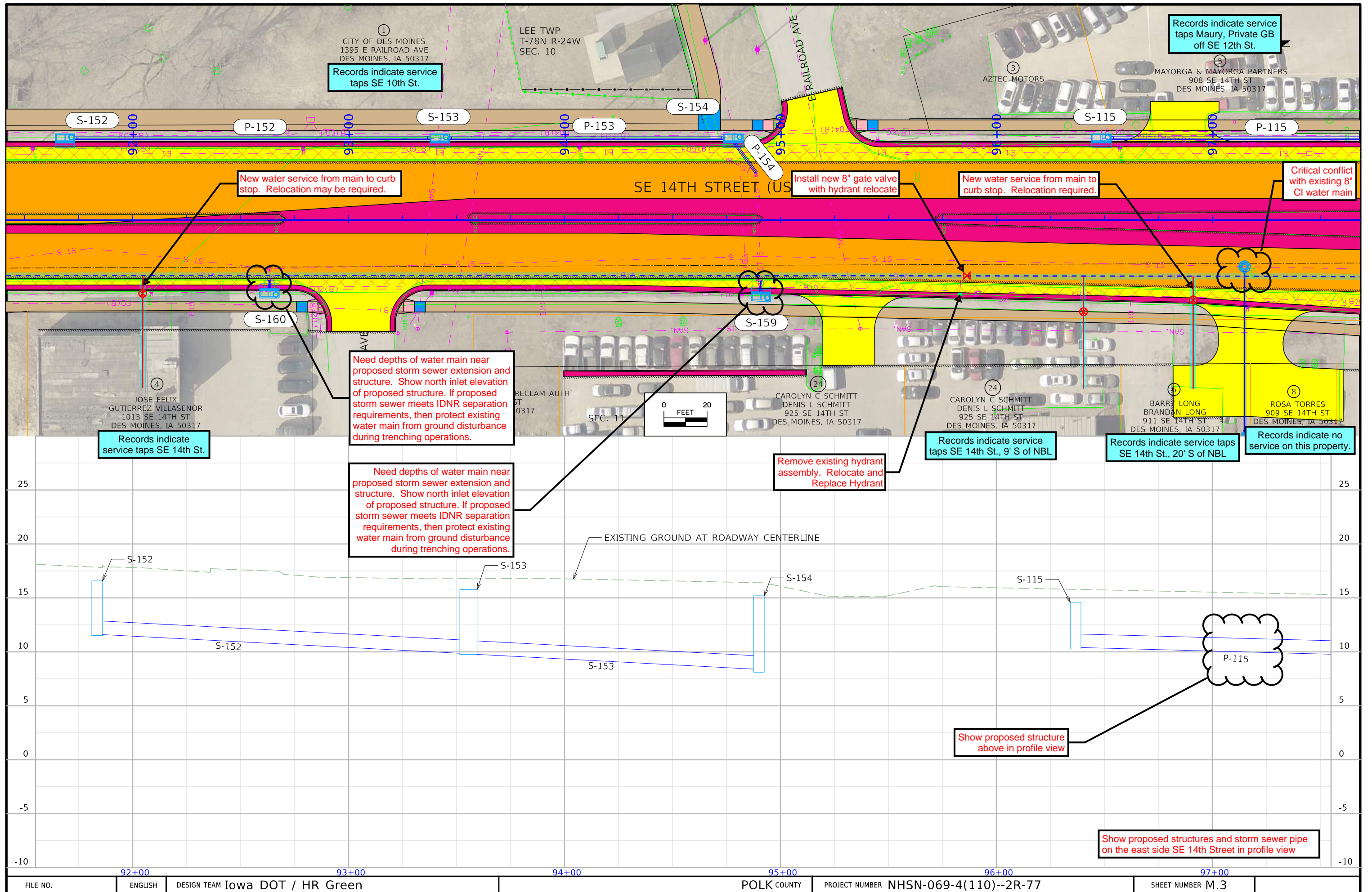
- Survey Line
- Section Corner
- Ground Line Intercept
- Saw Cut
- Guardrail
- Clearing & Grubbing Area
- Pavement Removal
- Proposed Right-of-Way
- Existing and Proposed Right-of-Way
- Easement and Existing Right-of-Way
- Borrow
- Easement (Temporary)
- Easement
- Excess
- Access Control

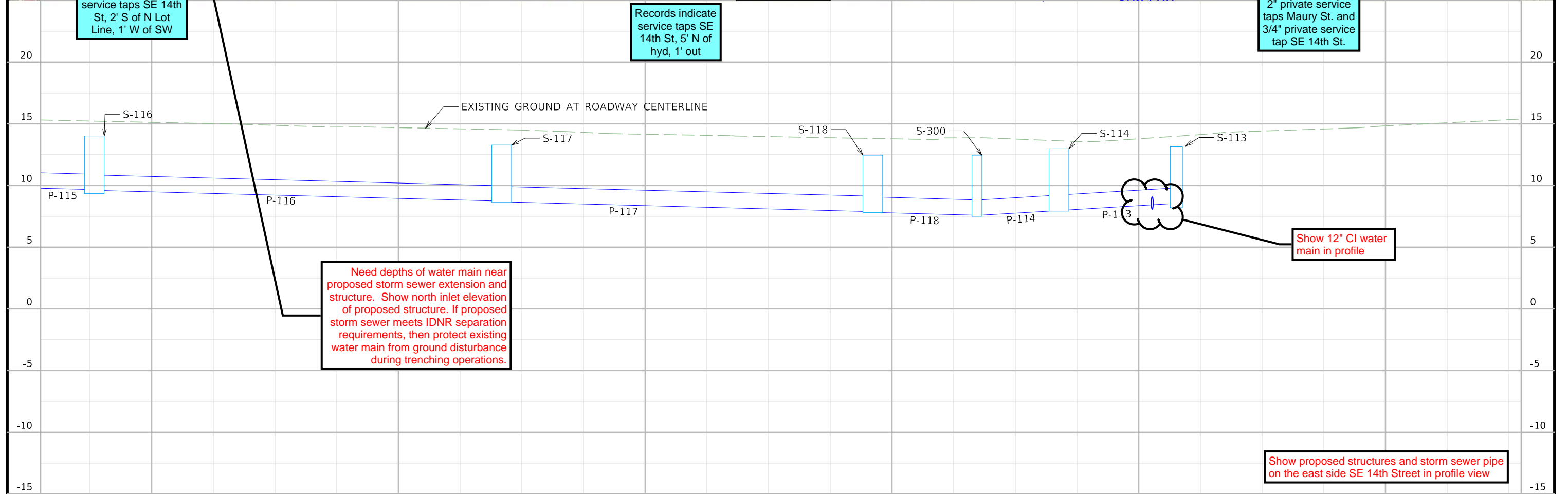
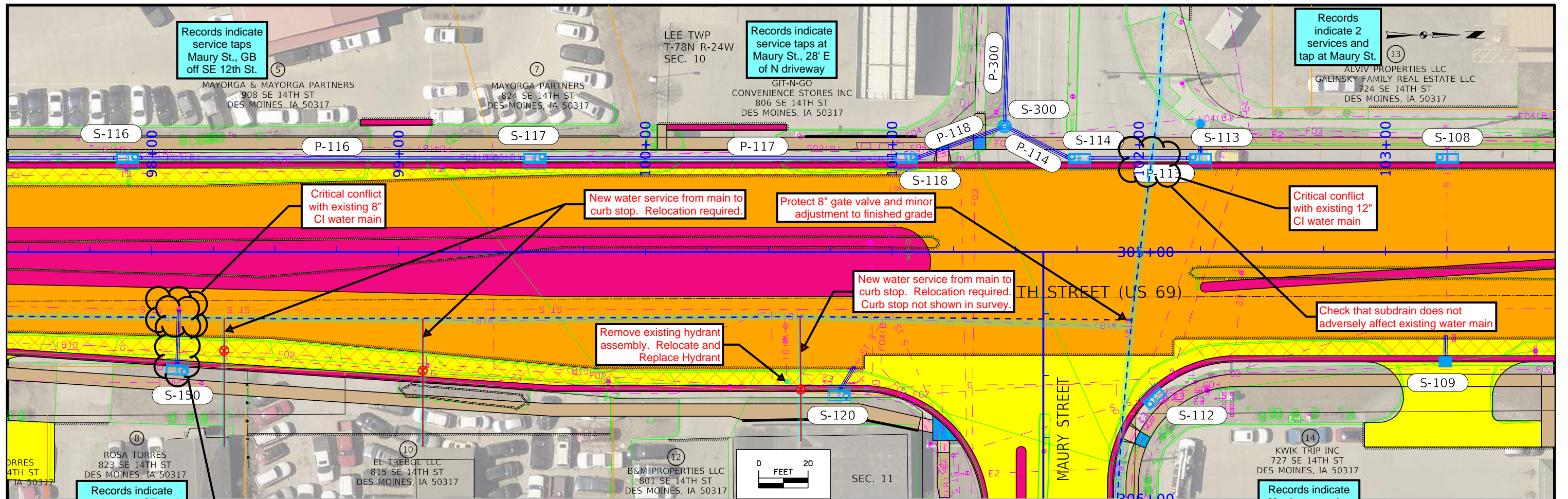
STORM SEWER LEGEND AND SYMBOL INFORMATION SHEET

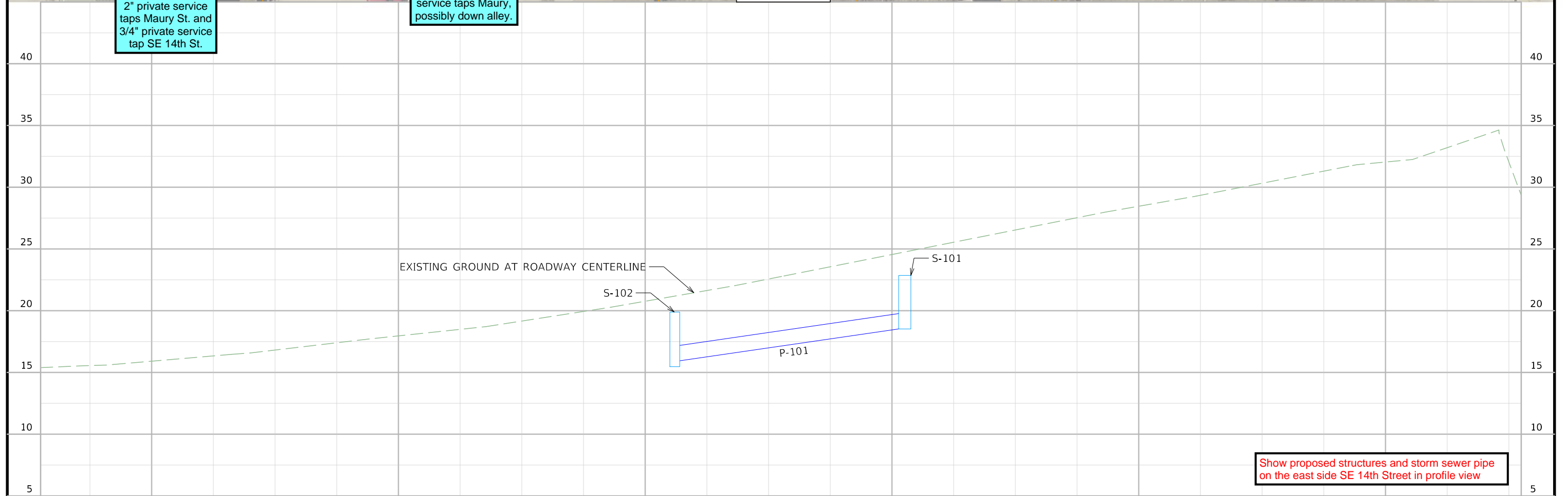
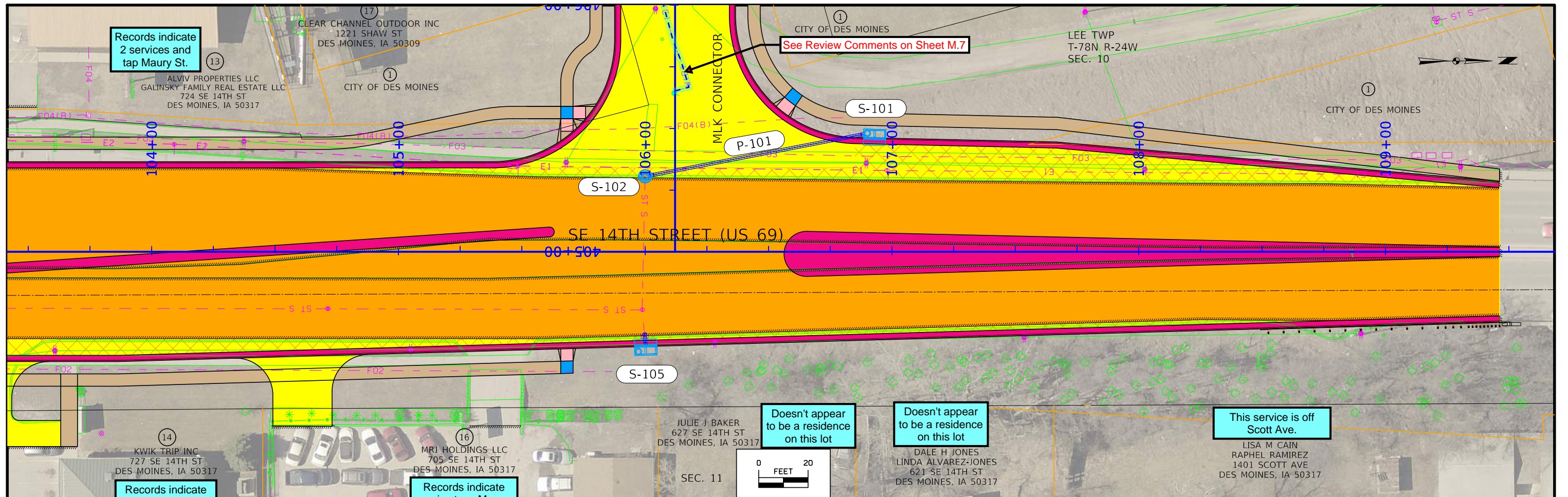
(COVERS SHEET SERIES M)



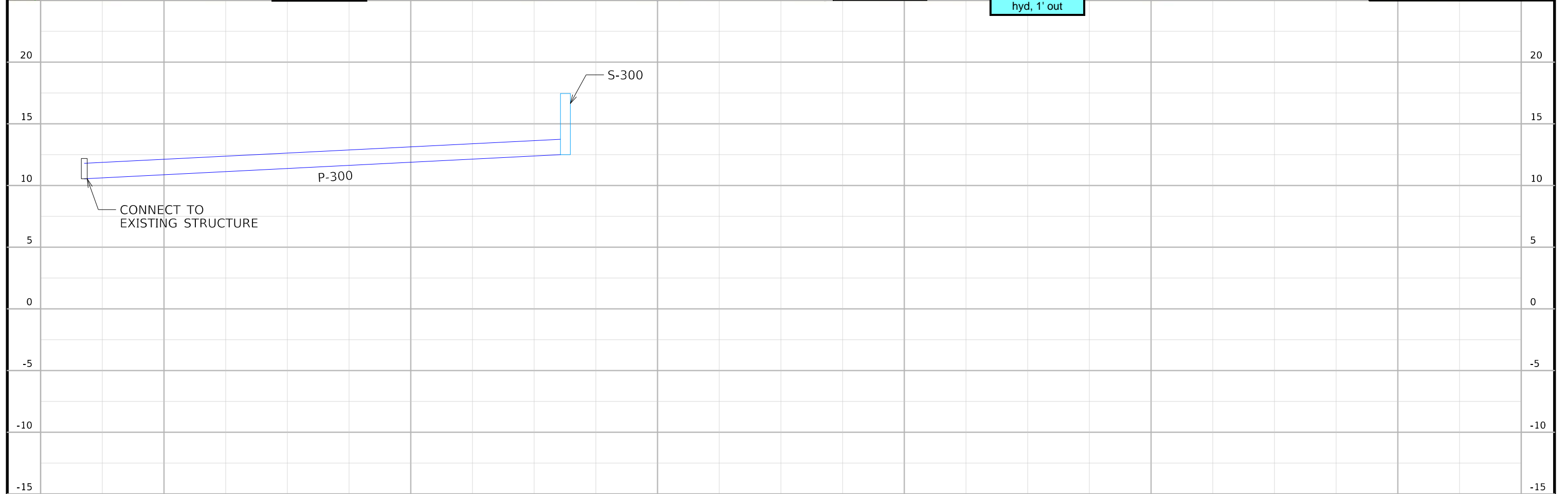
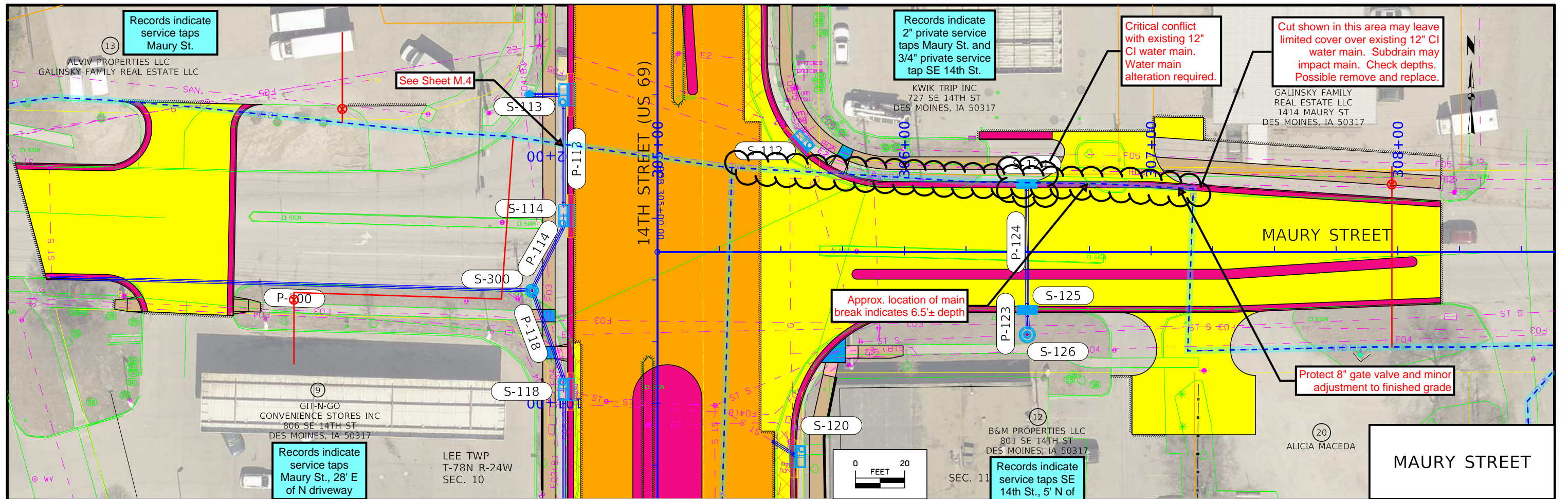
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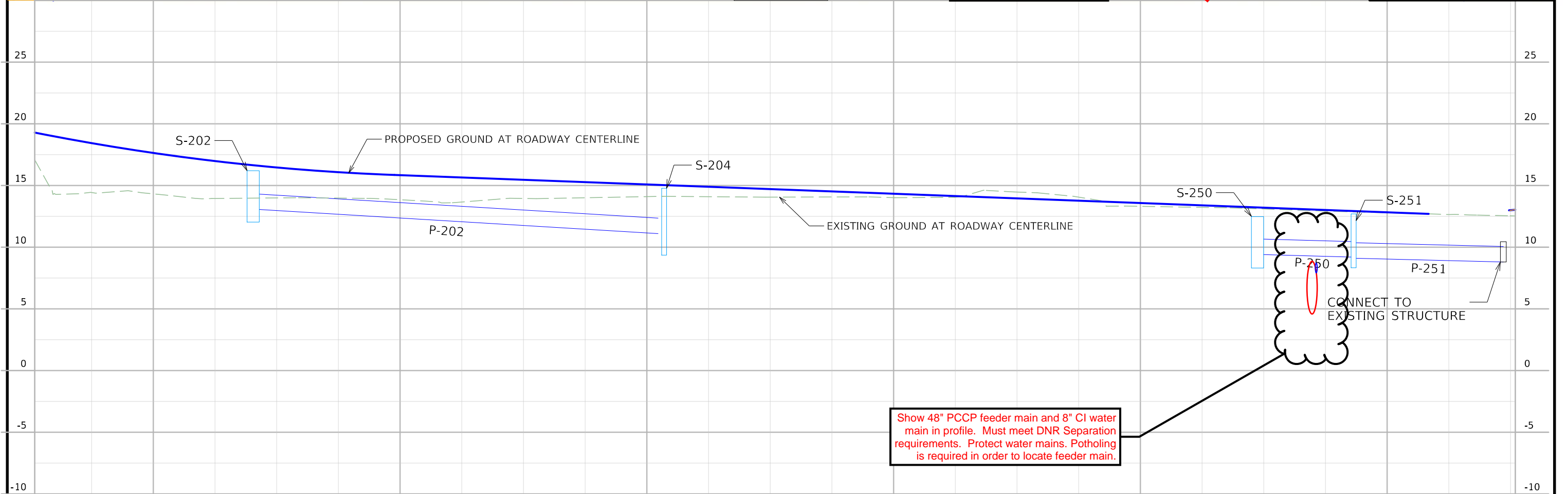
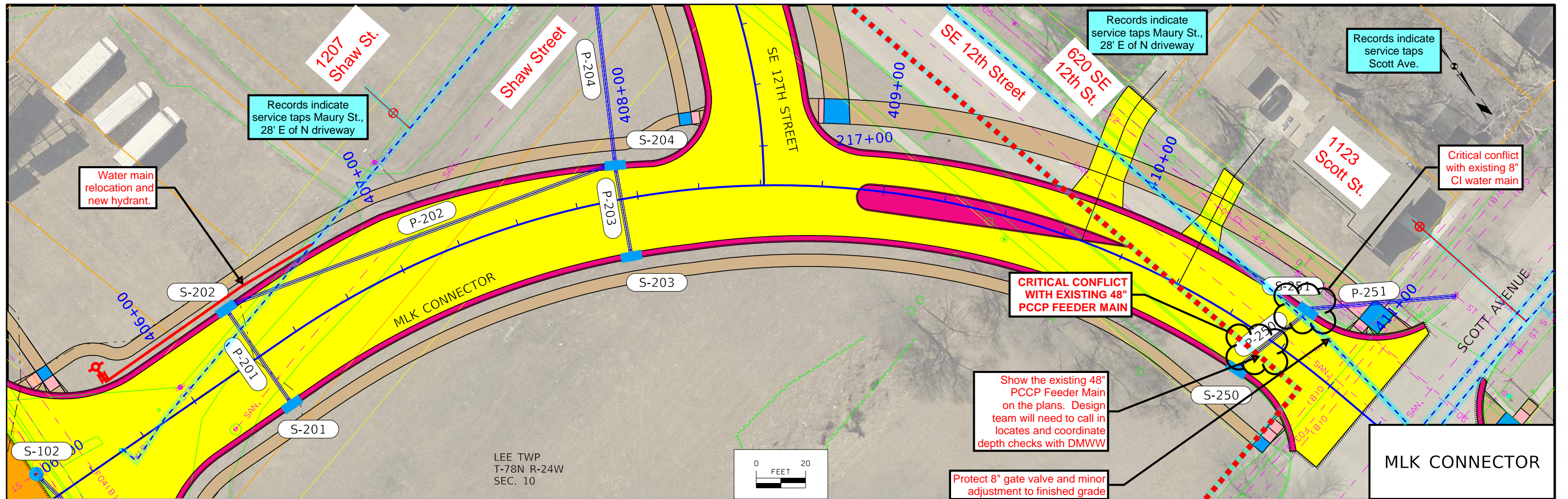


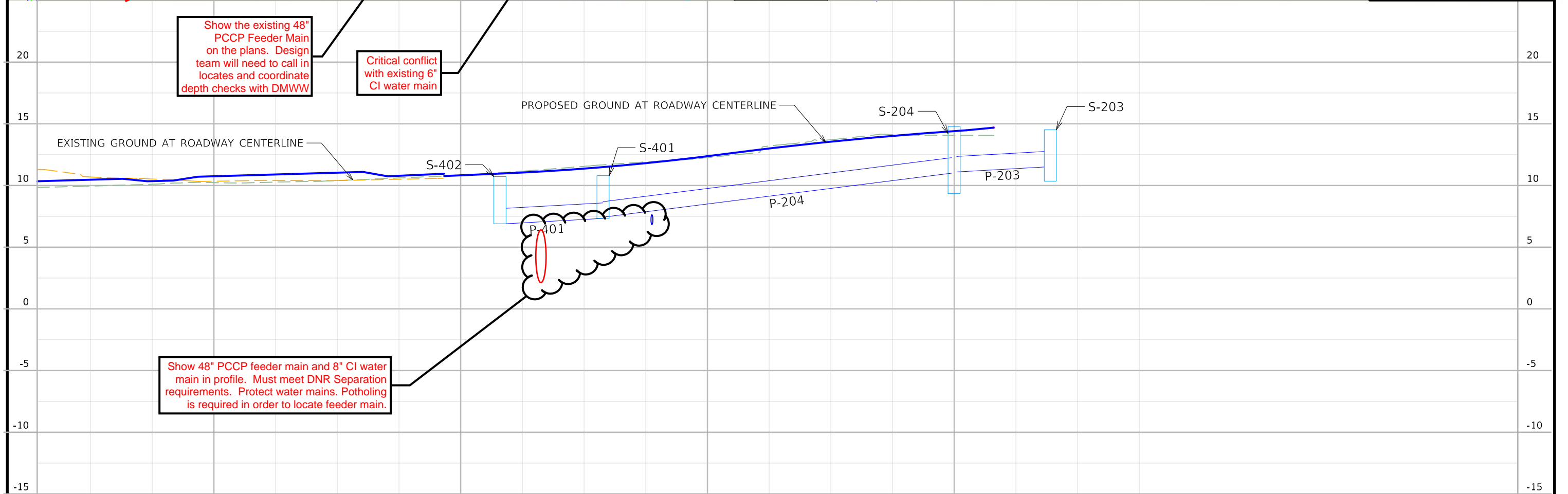
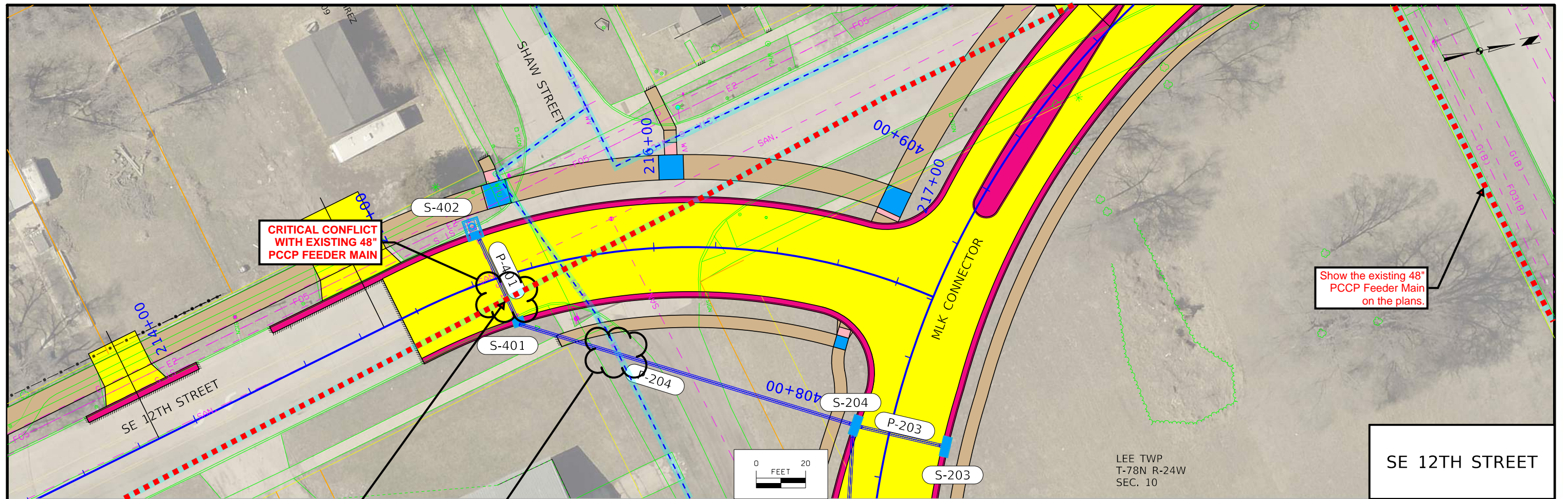


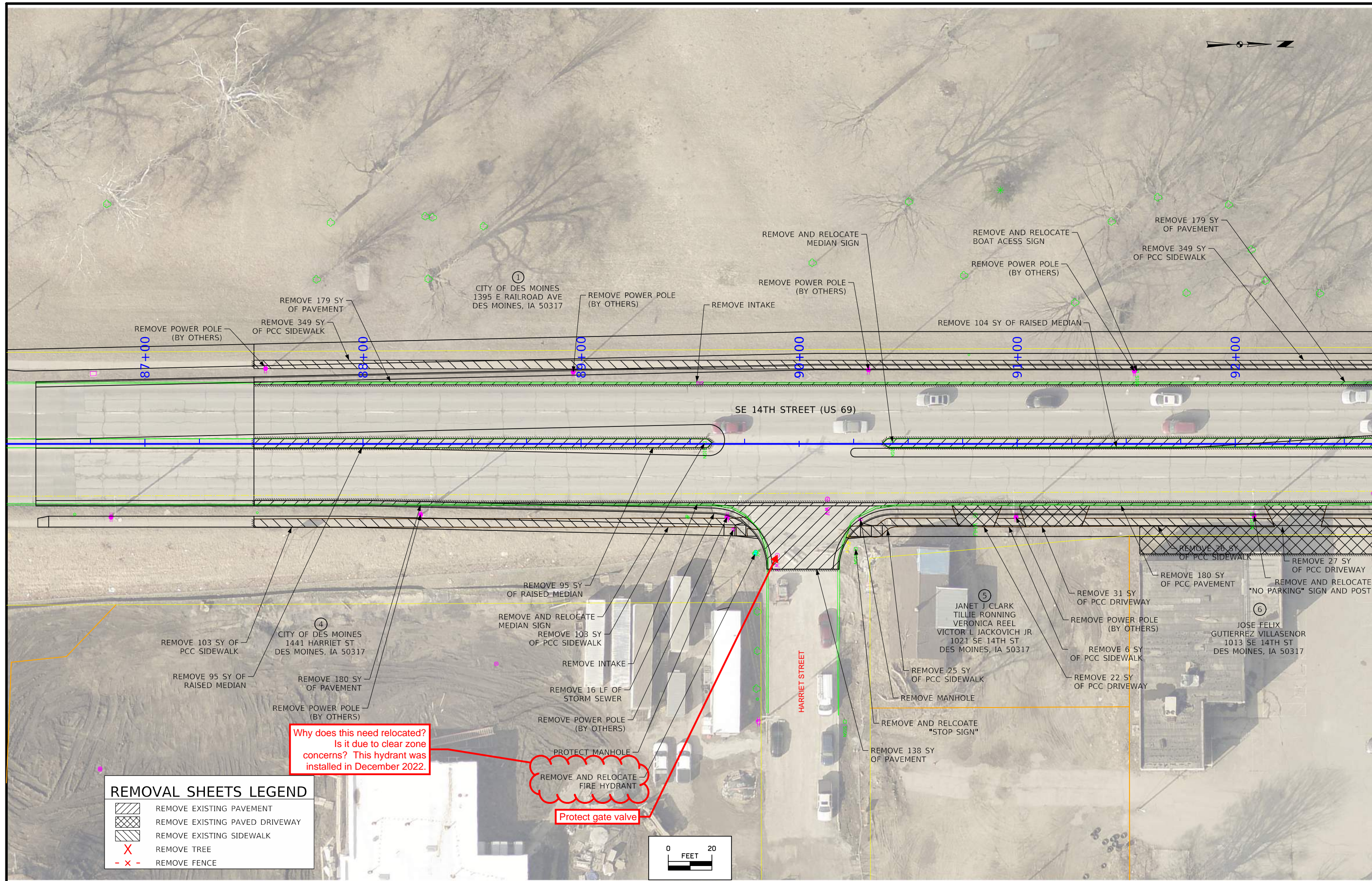
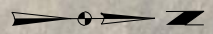
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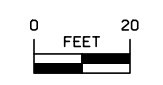


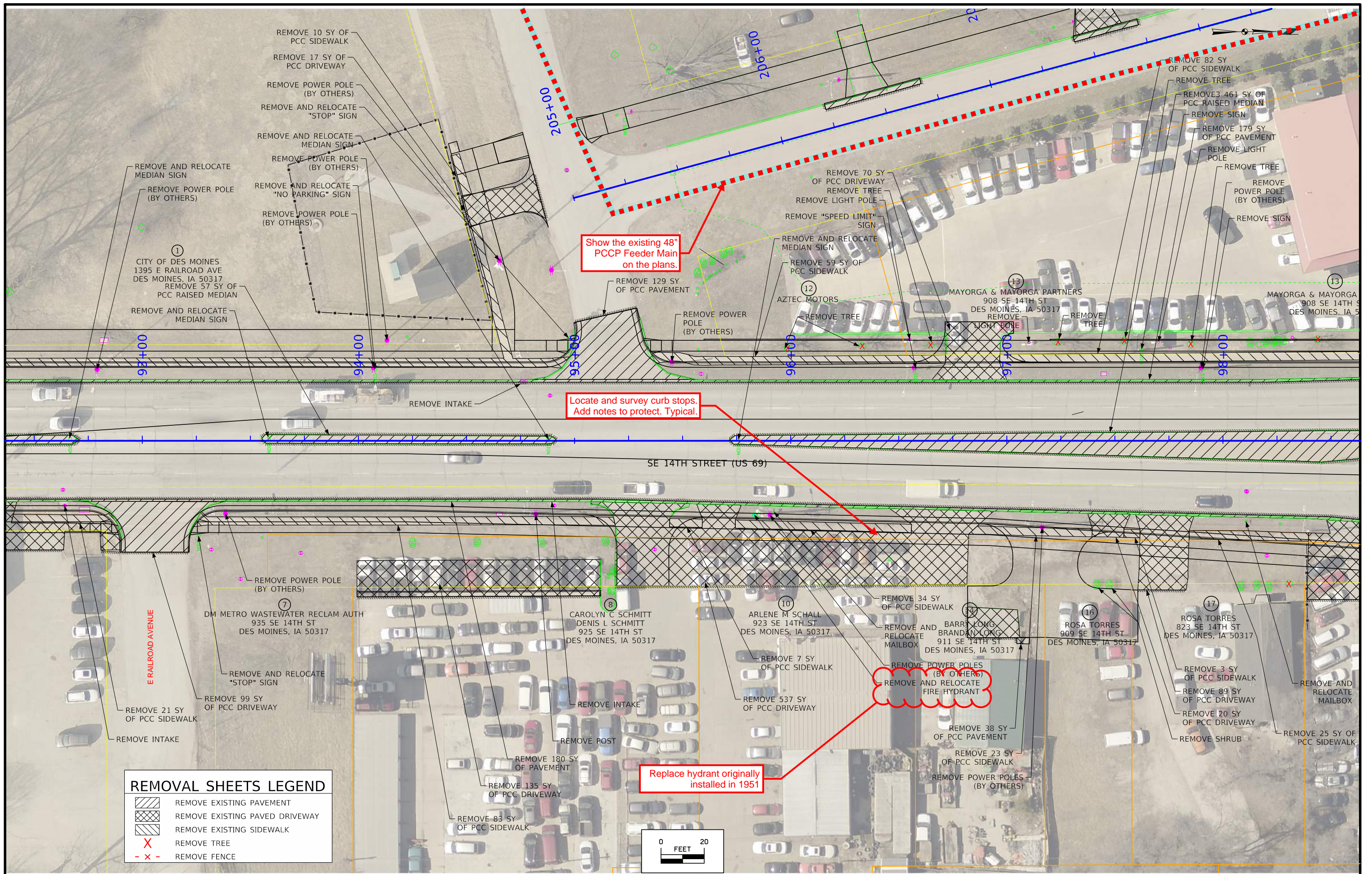
Why does this need relocated?
Is it due to clear zone concerns? This hydrant was installed in December 2022.

Protect gate valve

REMOVAL SHEETS LEGEND

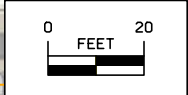
-  REMOVE EXISTING PAVEMENT
-  REMOVE EXISTING PAVED DRIVEWAY
-  REMOVE EXISTING SIDEWALK
-  REMOVE TREE
-  REMOVE FENCE

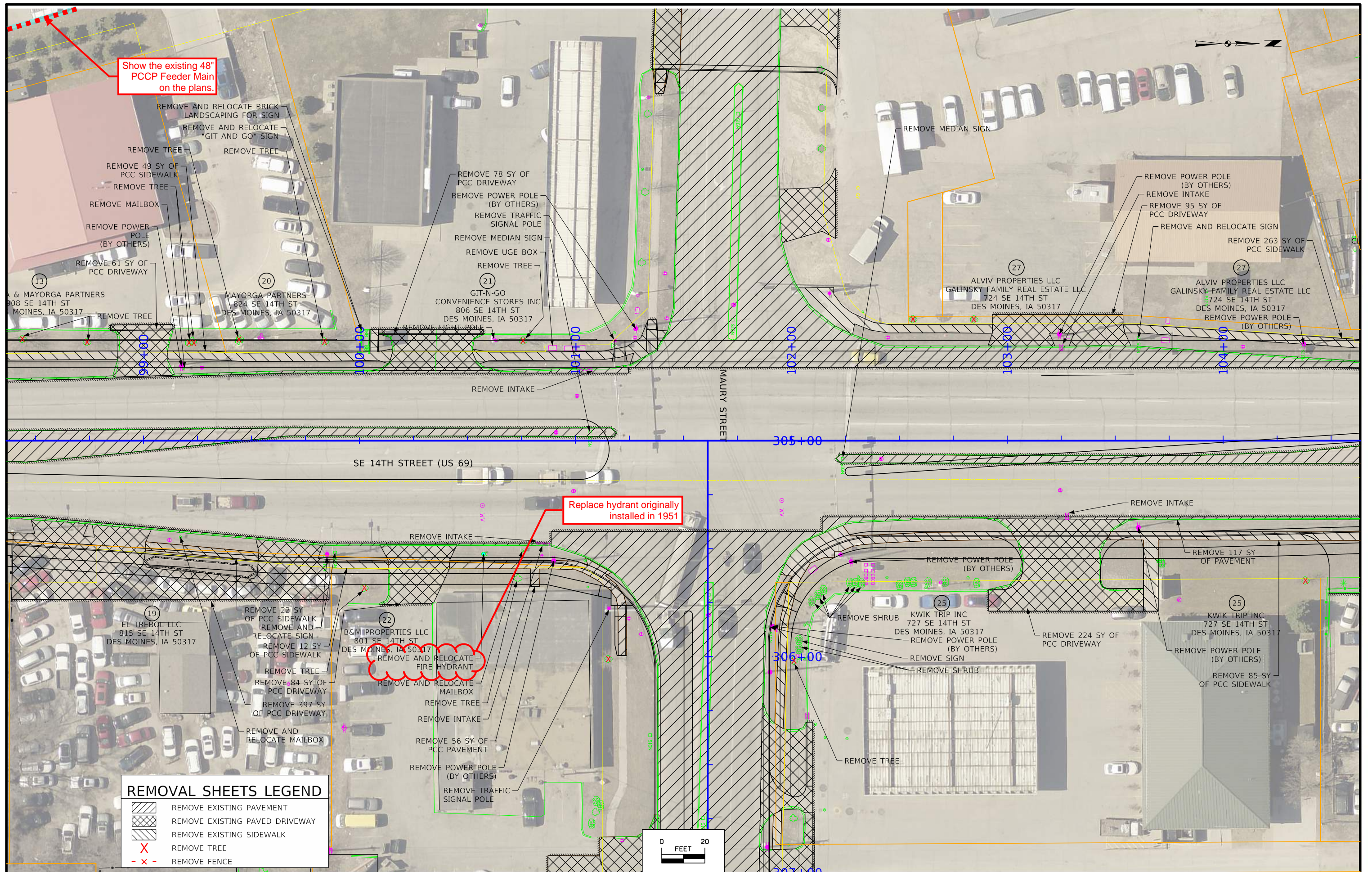


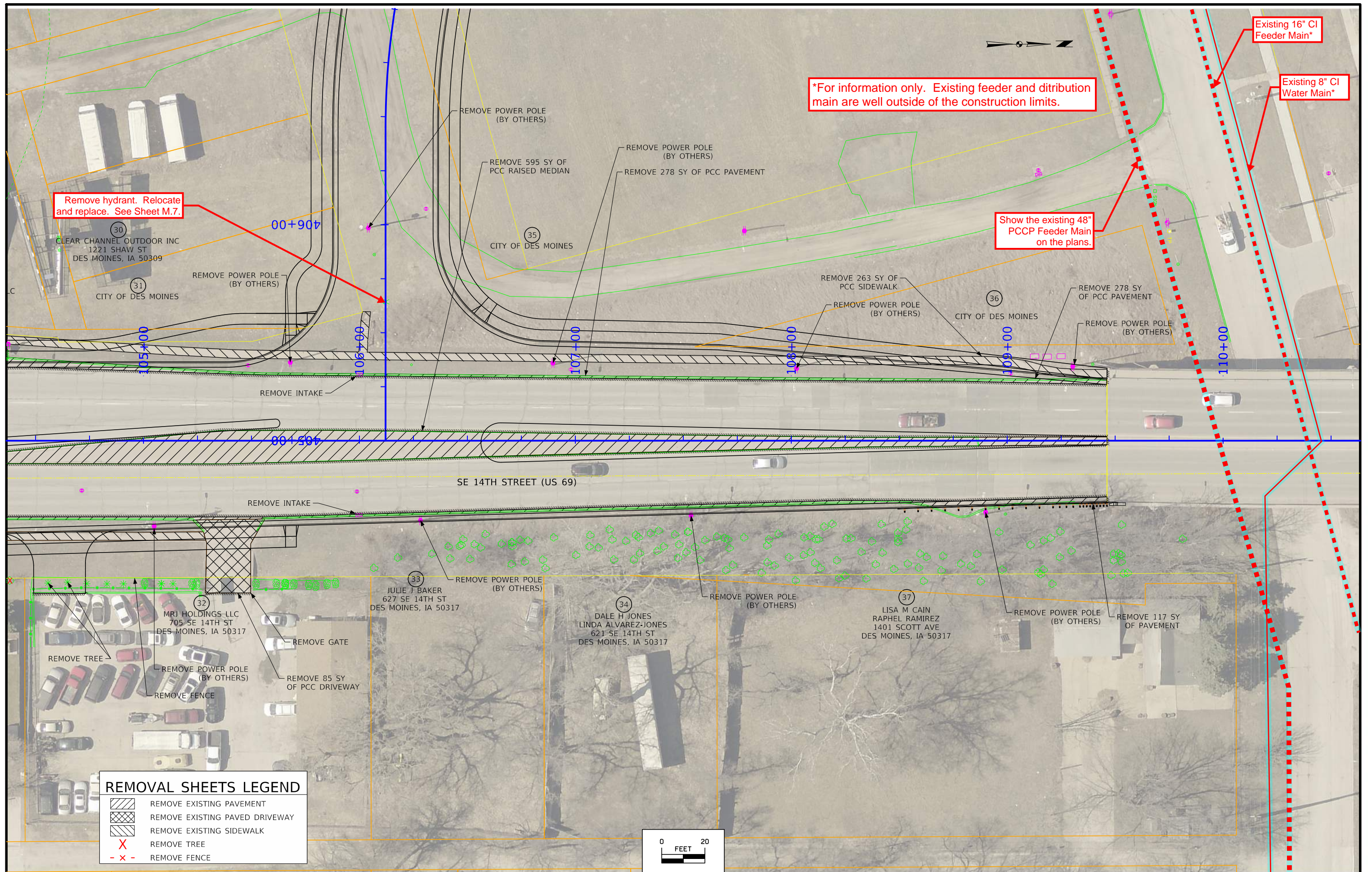


REMOVAL SHEETS LEGEND

	REMOVE EXISTING PAVEMENT
	REMOVE EXISTING PAVED DRIVEWAY
	REMOVE EXISTING SIDEWALK
	REMOVE TREE
	REMOVE FENCE







*For information only. Existing feeder and distribution main are well outside of the construction limits.

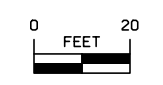
Show the existing 48" PCCP Feeder Main on the plans.

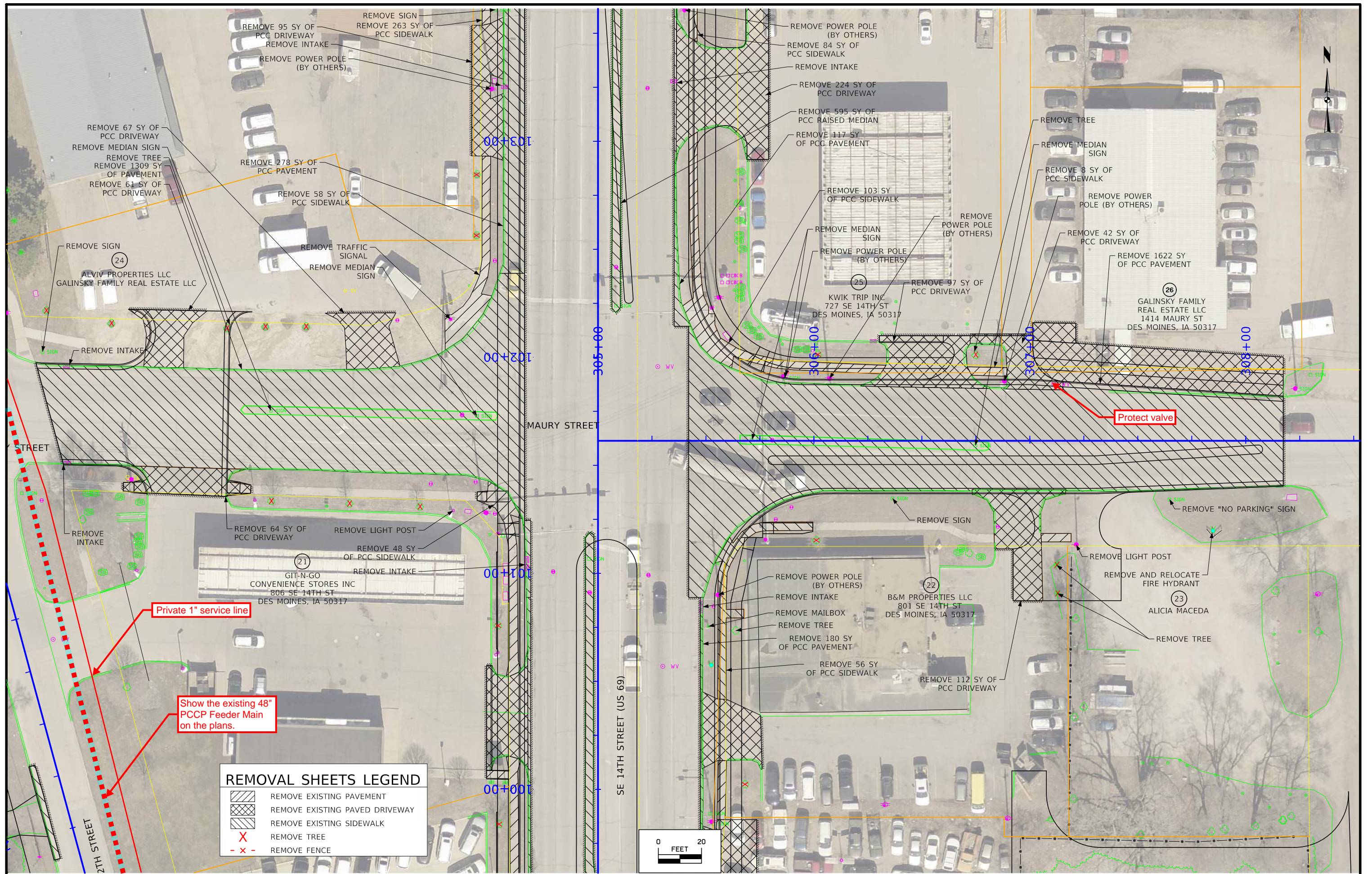
Existing 16" CI Feeder Main*

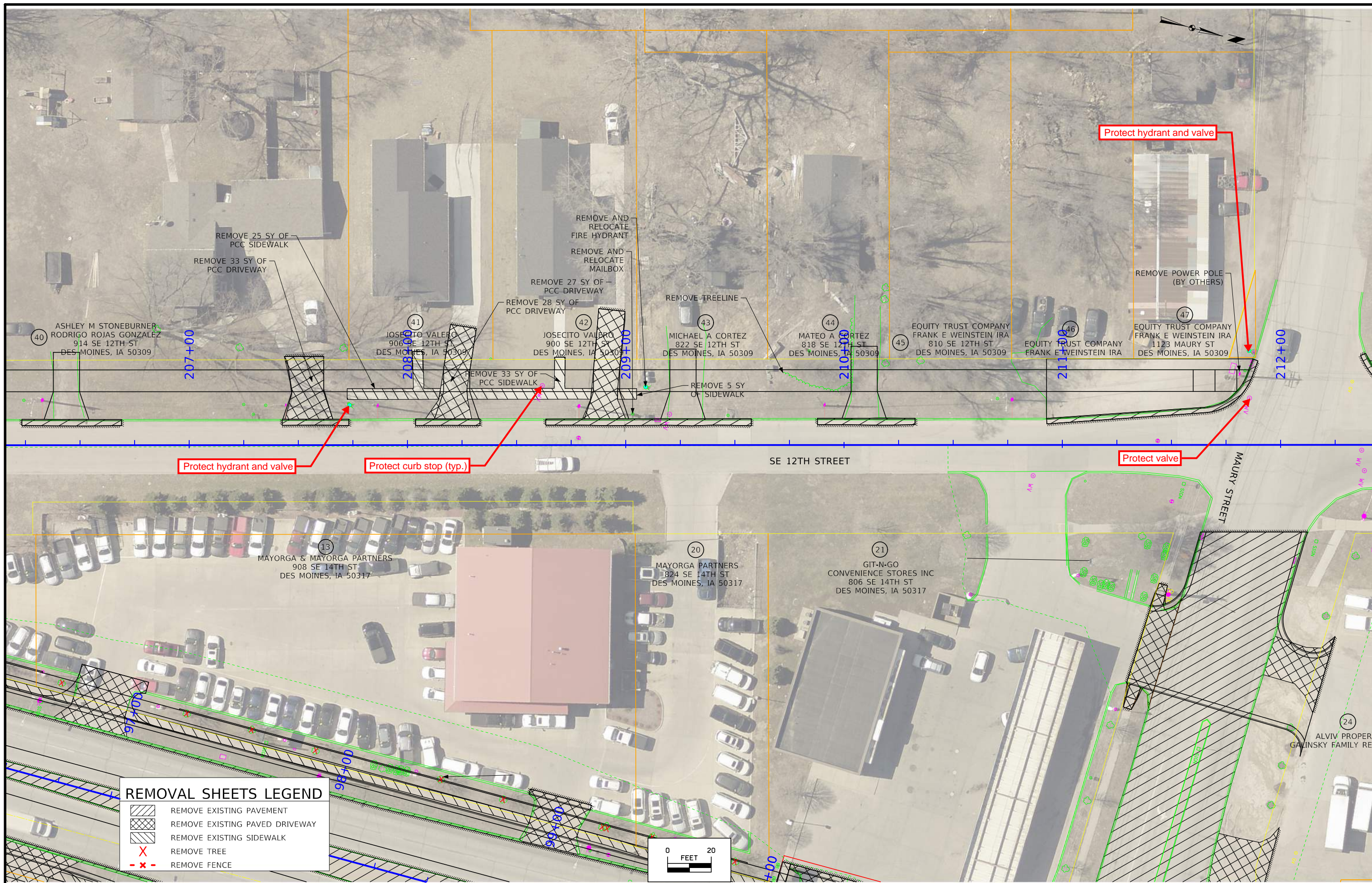
Existing 8" CI Water Main*

Remove hydrant. Relocate and replace. See Sheet M.7.

REMOVAL SHEETS LEGEND	
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	REMOVE EXISTING PAVED DRIVEWAY
	REMOVE EXISTING SIDEWALK
	REMOVE TREE
	REMOVE FENCE

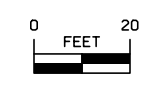


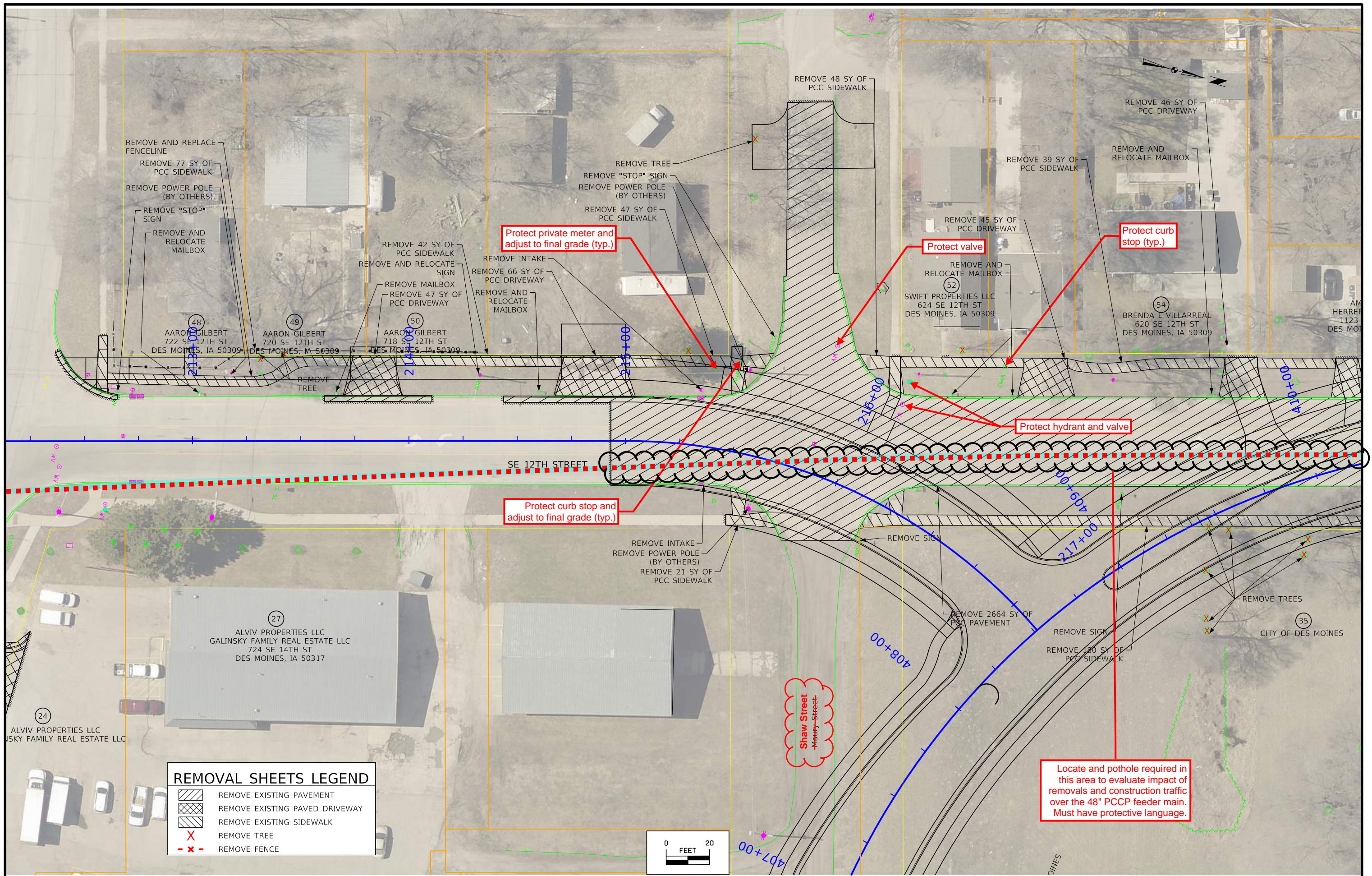




REMOVAL SHEETS LEGEND

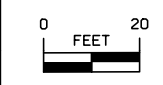
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	REMOVE EXISTING SIDEWALK
	REMOVE TREE
	REMOVE FENCE

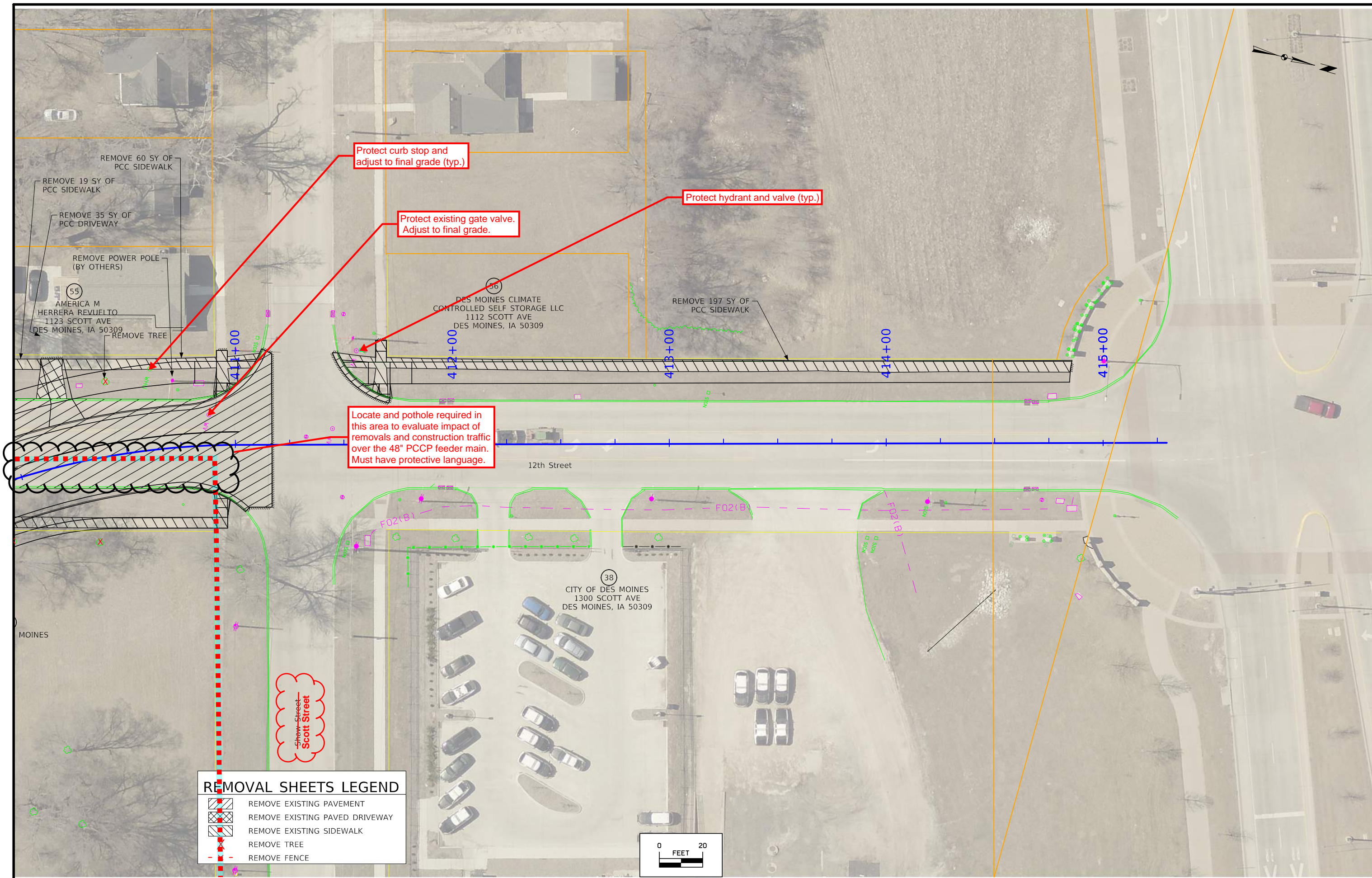




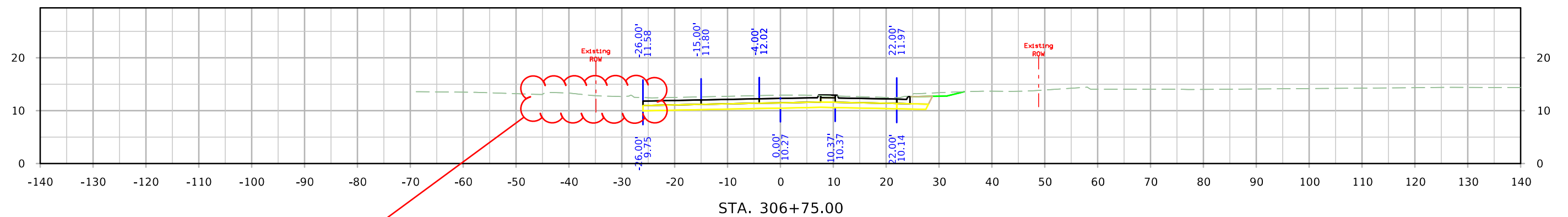
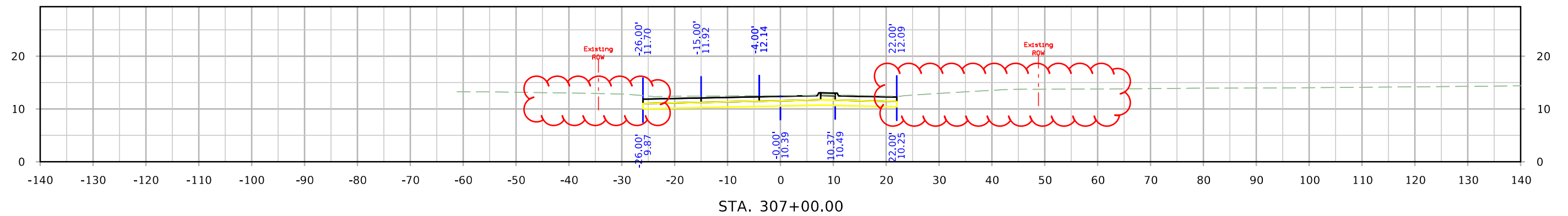
REMOVAL SHEETS LEGEND

	REMOVE EXISTING PAVEMENT
	REMOVE EXISTING PAVED DRIVEWAY
	REMOVE EXISTING SIDEWALK
	REMOVE TREE
	REMOVE FENCE

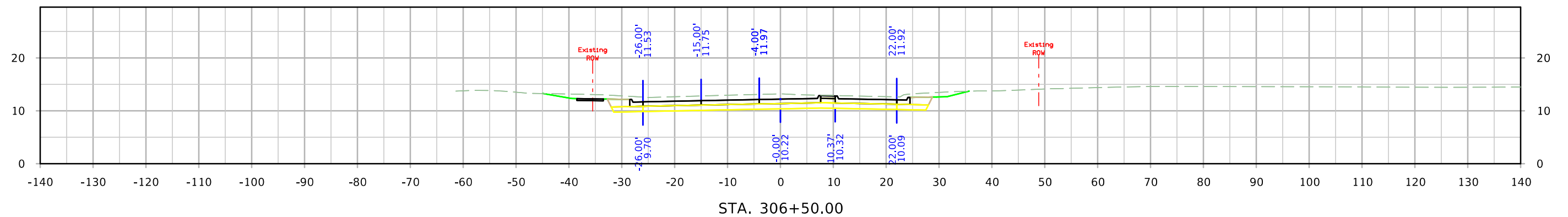




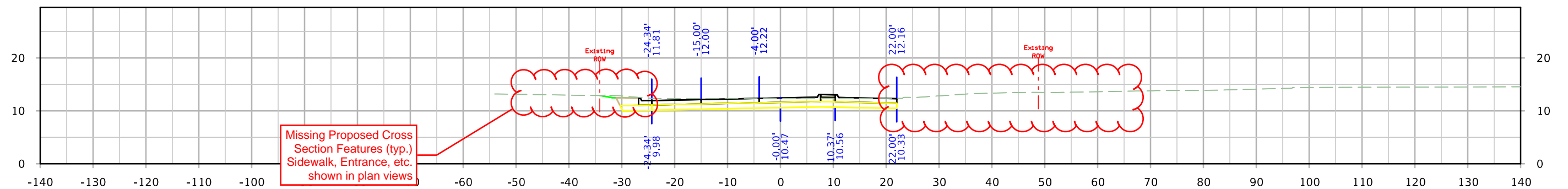
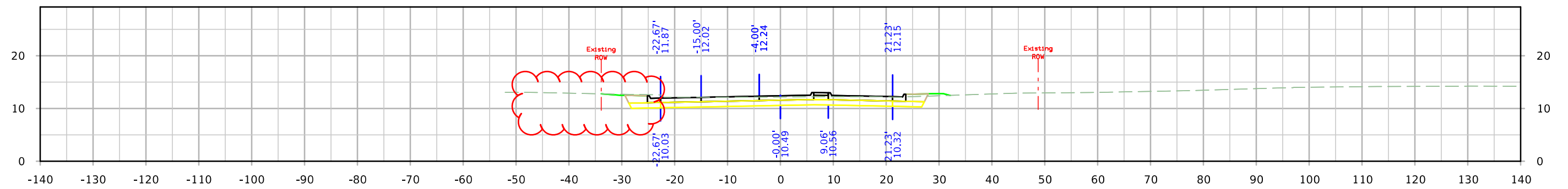
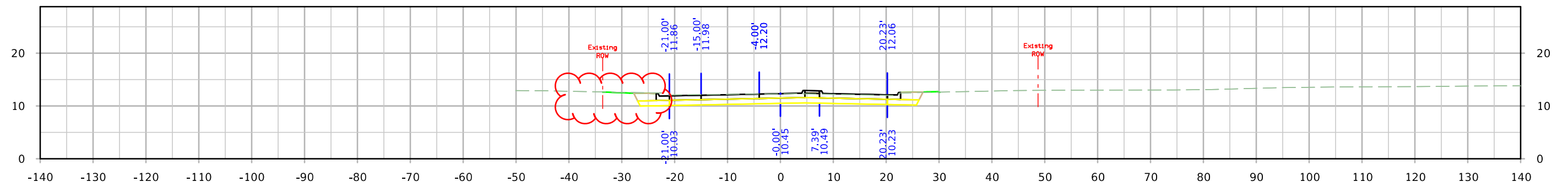
MAURY ST



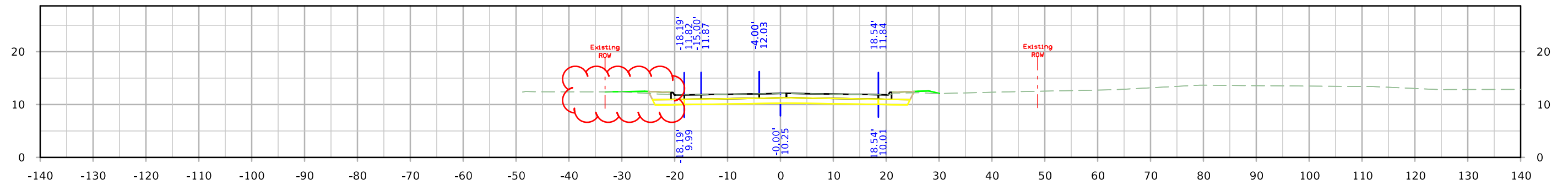
Missing Proposed Cross Section Features (typ.)



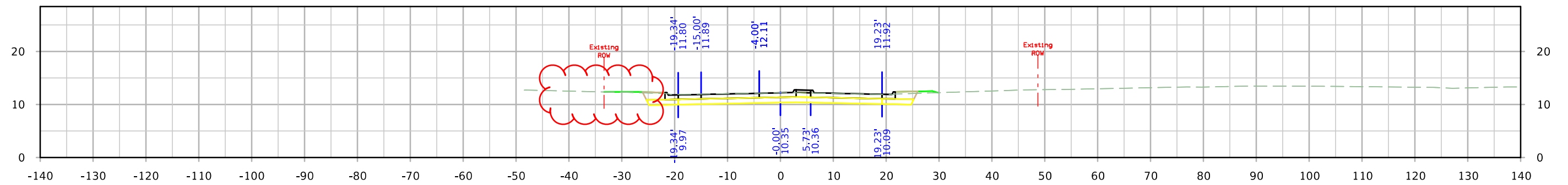
MAURY ST



MAURY ST



STA. 308+17.32



STA. 308+00.00