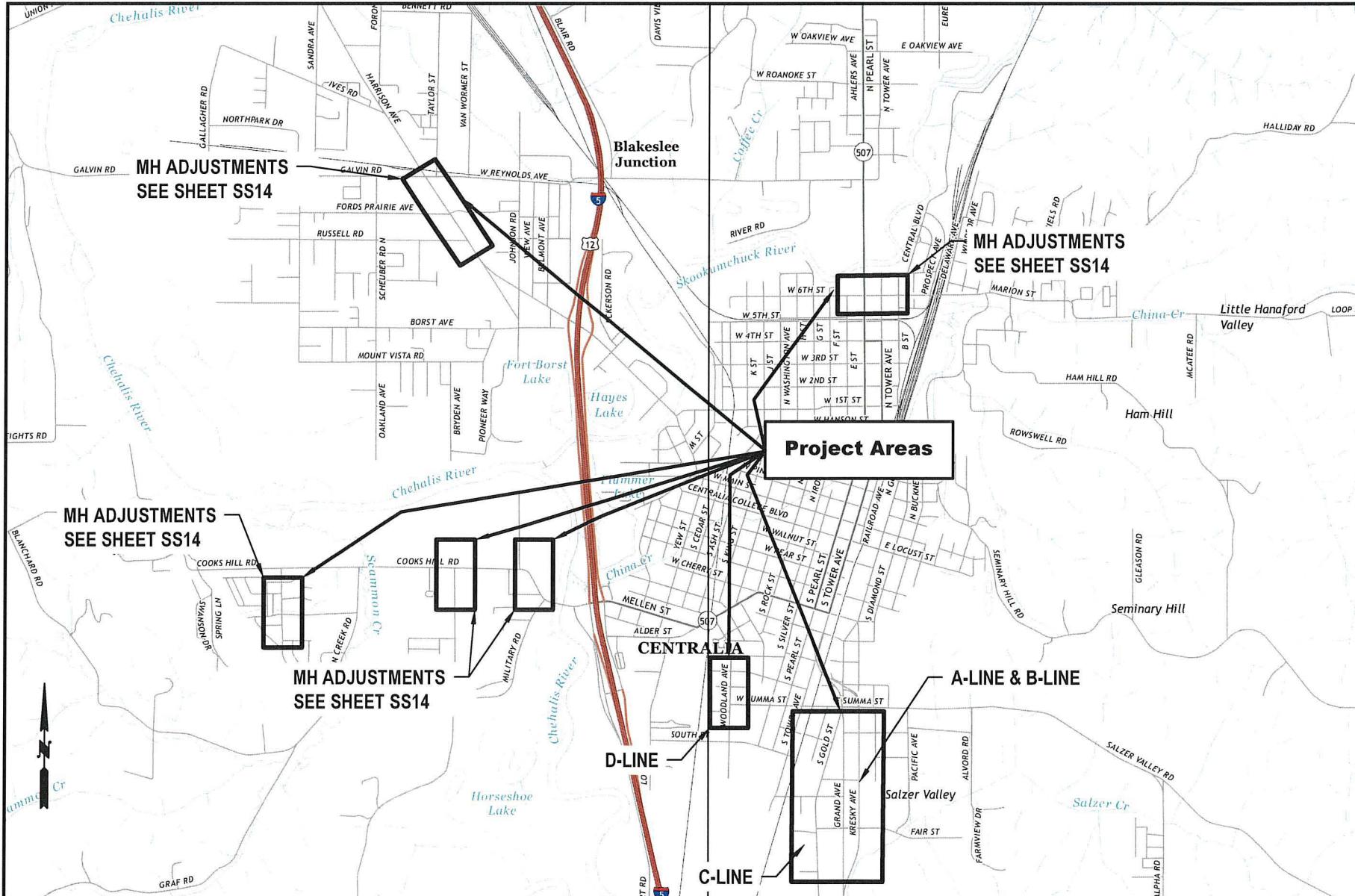


CITY OF CENTRALIA

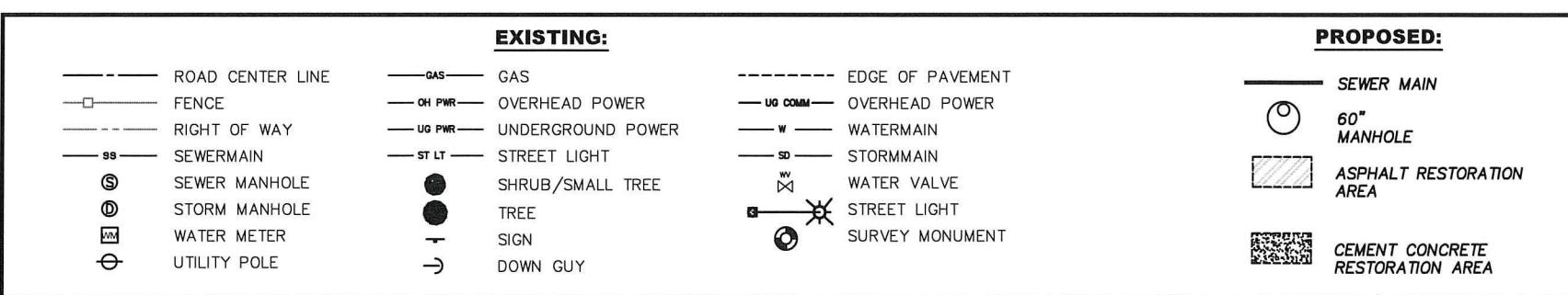
2025 Sanitary Sewer Pipe Bursting and CIPP Main Replacement

PW 2025-04

"CALL UNDERGROUND LOCATE 2 BUSINESS DAYS BEFORE YOU DIG AT 811"



VICINITY MAP



LEGEND

GENERAL

- G01 COVER SHEET
- G02 PROJECT & STREET GENERAL NOTES
- G03 SANITARY SEWER GENERAL NOTES

SANITARY SEWER

- SS01 A LINE - PIPE BURSTING - STA 0+00 TO 2+00
- SS02 A LINE - PIPE BURSTING - STA 2+00 TO 4+50
- SS03 A LINE - PIPE BURSTING - STA 4+50 TO 7+00
- SS04 A LINE - PIPE BURSTING / CIPP LINING - STA 7+00 TO 8+47
- SS05 B LINE - PIPE BURSTING / CIPP LINING - STA 0+00 TO 2+50
- SS06 B LINE - PIPE BURSTING / CIPP LINING - STA 2+50 TO 4+50
- SS07 B LINE - PIPE BURSTING - STA 4+50 TO 7+00
- SS08 B LINE - PIPE BURSTING / CIPP LINING - STA 7+00 TO 9+78
- SS09 C LINE - PIPE BURSTING - STA 0+00 TO 2+00
- SS10 C LINE - PIPE BURSTING - STA 2+00 TO 4+50
- SS11 C LINE - PIPE BURSTING - STA 4+50 TO 7+00
- SS12 C LINE - PIPE BURSTING / OPEN CUT - STA 7+00 TO 8+34
- SS13 D LINE - CIPP LINING - STA 0+00 TO 2+50
- SS14 MANHOLE CASTING ADJUSTMENTS

SEWER DETAILS

- SD01 SANITARY SEWER DETAILS - LATERAL & MANHOLE
- SD02 SANITARY SEWER DETAILS - COLLAR & CLEANOUT
- SD03 SANITARY SEWER DETAILS - INSERT PIT

RESTORATION

- R01 ADA AND SIDEWALK RESTORATION

RESTORATION DETAILS

- RD01 RESTORATION DETAILS - TRENCH RESTORATION
- RD02 RESTORATION DETAILS - SIDEWALK & CURB GUTTER
- RD03 RESTORATION DETAILS - DRIVEWAYS
- RD04 RESTORATION DETAILS - ADA RAMP

SHEET INDEX



DESIGNED BY: P. PAGE

DRAWN BY: C. TORSTVET

SURVEYED BY: C. TORSTVET

CHECKED BY: P. PAGE

April, 2025

G01

1 OF 25

**PIPE BURSTING PROJECT
GENERAL NOTES**

1. All construction and materials shall be in accordance with the requirements specified in the Contract Specifications. Contractor shall determine best locations for insertion and receiving pits. Locations are not pre-determined.
2. Locations of existing laterals shown is based off of best information available. The contractor is required to pot hole to verify lateral locations at the sewer main and right-of-way/easement prior to pipe bursting. Install temporary plugs while bursting if necessary and tie in to new main.
3. Contractor to verify manhole IEs prior to ordering manholes. Outfall to be lower than inlet(s) and maintain fall through the structure & pipe connections. See special provisions for Manhole rehab information
4. Lateral connections to new main shall be made by Electrofusion tee/wye or another pre-approved method. Laterals must be replaced perpendicular to the mainline and from mainline to property line. Install a cleanout at the property line/easement and reconnect to existing pipe using strong-back ferncos. Existing side sewer pipe material and size will vary. Use IPS to PVC couplers at fusion tees.
5. Connections to new manholes shall be made by Kor-N-Seal boot or approved equal and finished with quick setting non-shrink grout with antimicrobial additive.
6. Other existing utilities shown in the plan sheets are for reference only and are not exact. Contractor shall call one-call locate service to determine where other utilities are prior to work. Contractor shall adjust pulling and insertion pit locations if necessary to avoid existing utilities.
7. The contractor shall remove and reinstall the existing fencing at lateral connection and bursting pit locations as needed. Contact resident prior to removal.
8. The contractor shall remove and replant shrubs at lateral connection and bursting pit locations as needed. Replace any vegetation that is damaged and not salvageable.
9. All Manholes and Cleanout locations are per GPS coordinates. Aerial background is approximate for visual reference only.
10. All restoration shown are approximate limits for quantity and visual reference. Restoration limits will be determined in the field prior to sawcutting for insertion and receiving pits.
11. If asphalt and/or concrete alley approaches/driveways are damaged during construction, Contractor shall replace full width of approach.
12. Reconnect existing sewer laterals to sewer main a minimum of 2' separation between the laterals and 6' minimum separation from the manhole.

DETAIL
N.T.S.

PRGN
G02

**STREET CONSTRUCTION
GENERAL NOTES**

1. All workmanship and materials shall be in accordance with City of Centralia standards and the most current edition of the WSDOT/APWA Standard Specifications for Road, Bridge and Municipal Construction.
2. The contractor shall be responsible for all traffic control in accordance with MUTCD. Prior to disruption of any traffic, traffic control plans shall be prepared and submitted to the City for approval. No work shall commence until all approved traffic control is in place.
3. All street grades, sidewalk grades, and any other vertical and/or horizontal alignment shall be staked by an engineering or surveying firm capable of such work. All vertical control shall be established using the 1988 USGS Datum.
4. Where new asphalt joins existing, the existing asphalt shall be cut to a neat vertical edge and tacked with Asphalt Emulsion Type CSS-1 in accordance with the Standard Specifications. The new asphalt shall be feathered back over existing to provide for a seal at the saw cut location and the joint sealed with grade AR-4000W paving asphalt.
5. Compaction requirements of trench restoration, subgrade and pavement shall be in accordance with the current edition of the W.S.D.O.T. Standard Specifications.
6. Form and subgrade inspection by the City is required before pouring concrete. Twenty-four hours notice is required for form inspection.
7. Testing and sampling frequencies shall be as described in the Centralia Design and Development Guidelines.
8. The City provides for the manufacture and installation of street name and regulatory signs at the contractor's/developer's expense. Signs shall be requested at the time construction begins.
9. The contractor shall obtain a right-of-way permit from the Engineering Department prior to doing any construction in the right-of-way.
10. All temporary patches will require application of cold mix asphalt. Cold mix will be maintained daily or as required by the City Engineer to assure a smooth driving surface.
11. Temp steel plates shall be pinned in roadway section with temp transition ramp. Appropriate signage to be installed per MUTCD standards for trench crossings.
12. All patches will be permanently paved within 2 weeks of first opening the trench.

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
CITY ENGINEER	06-2017	STREET CONSTRUCTION GENERAL NOTES	1 OF 1
2022 Standard Drawings			

DETAIL
N.T.S.

RDGN
G02



DESIGNED BY: P. PAGE

DRAWN BY: C. TORSTVET

SURVEYED BY: C. TORSTVET

CHECKED BY: P. PAGE

April, 2025

G02

2 OF 25

**SANITARY SEWER MAIN INSTALLATION
GENERAL NOTES**

1. A pre-construction conference must be held with the City prior to start of construction.
2. Underground utilities shown are for the convenience of the contractor only. It is the contractors responsibility to use the "one-call" telephone (1-800-424-5555) 48 hours before construction is started.
3. All materials and construction shall be in accordance with the current edition of the WSDOT standard specifications for roads, bridges and municipal construction and City of Centralia standards.
4. Erosion control measures shall be taken during construction to prevent siltation of existing and proposed facilities.
5. Pipe for sanitary sewer shall conform to Section 7-17.2 of the current standard specifications for road, bridge and municipal construction published jointly by WSDOT and the State Chapter of APWA and be one of the following:
 - a. Ductile iron pipe shall conform to Section 9-05.13 and ANSI A21.51 or AWWA C151 and shall be cement mortar lined. Minimum thickness shall be class 51.
 - b. Polyvinyl chloride (PVC) pipe shall conform with the provisions of WSDOT Section 9-05.12. 8"-15" ASTM D 3034, SDR 35 / 18"-24" ASTM F 679
6. The end of laterals shall be marked with a 2x4 wooden stake four feet long (minimum) buried in the ground a depth of three (3) feet (minimum).
7. All laterals shall be laid at 2% minimum except where noted. 6" pipe to property line laterals must be provided to all appropriate properties.
8. All laterals shall be connected to mains with a manufactured wye or fusion tee tap unless otherwise approved by the City Engineer. Lines 12-inch or larger and high flow lines may use tee connections with prior approval.
9. Layout and construction staking will be done by a design engineer or a licensed land surveyor. All vertical control shall be established using the 1988 USGS Datum.
10. All new manholes shall be sixty inches (60") in diameter, Type 1 manholes unless otherwise specified by the City. See standard detail 3-02.
11. Low pressure air test is required on all new sanitary sewer lines (including laterals). Testing shall be per APWA specifications and witnessed by the City.
12. A vacuum test is required on all new manholes and altered manholes.
13. Schedule all tests with the City and allow two (2) working days advance notice.
14. A copy of the T.V. inspection video of the sewer main shall be provided to the City along with the inspection report prior to final acceptance.
15. As-built drawings shall be submitted to the City prior to final acceptance.
16. All necessary easements must be recorded before final acceptance.
17. The contractor is to notify the City two (2) working days prior to the start of construction. All materials must be submitted and approved prior to use.
18. A manhole and clean-out assembly detail shall be submitted prior to construction for the City's approval.
19. On all main extensions, a lateral shall be installed from the main to the right-of-way for all existing residences and for all possible future building lots along the main extension. The actual locations shall be approved by the City of Centralia and adjacent property owners prior to construction.

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
CITY ENGINEER	06-2023	SEWER MAIN INSTALLATION GENERAL NOTES	1 OF 2
2022 Standard Drawings			

DETAIL
N.T.S.

GEN
SD03

**SIDE SEWER REGULATIONS (Ord. 2051)
GENERAL NOTES**

1. Any work including installation, replacement and repair, on the sanitary side sewer requires an inspection permit. This must be obtained – in advance of the work – from the City utilities building at 1100 N Tower Ave.
2. Inspection permit fees:

• *Single-family dwelling:	\$ 50.00
• *Multiple-family dwelling:	\$ 75.00
• *Commercial/Industrial:	\$ 100.00
• Alteration, repair and abandonment of existing lateral	\$ 50.00
• *I & I Rehabilitation: No charge—must be approved by Public Works	
• *After hours or holiday Inspections:	\$ 100.00
• *Re-inspection:	\$ 50.00
• Grinder pump connection permit	\$ 100.00
• Grinder pumps commercial or industrial connection	\$ 150.00
3. For inspection, call the Public Works Office at (360) 330-7512. Inspections will be made 8:00 A.M. – Noon and 1:00 P.M. – 3:00 P.M.
4. "Side Sewer" means that part of the horizontal piping of a drainage system which extends from the end of the building drain and which receives the discharge of the building drain and conveys it to a public sewer, private sewer, individual sewage disposal system or other point of disposal.
5. All costs and expenses incident to the installation and connection, operation and maintenance and replacement of the side sewer shall be borne by the owner.
6. Pipes acceptable for side sewers: polyvinyl chloride(PVC) ASTM D 3034, SDR 35; cast iron soil pipe, federal spec. WWP-401; ductile iron, ANSI A 2151, thickness class 51. Not acceptable for side sewer: black ABS pipe, glued joint pipes, glued fittings.
7. Side sewer for single family dwelling shall be no less than 4" diameter from dwelling to property line and 6" from property line to public sewer. All multiple family, commercial and industrial side sewer lines shall be no less than 6" diameter between main and building. Each building must have a separate side sewer.
8. No 90 degree bends allowed.
9. A cleanout is required within 36" of all buildings and at intervals of not more than 100 feet. Cleanouts shall be extended to within 18" of surface and capped except where surface is paved: in paved area, cleanouts shall be extended flush with surface and plugged with an acceptable threaded metal plug. Laterals shall be straight lines between cleanouts.
10. Backwater valves--- The Uniform Plumbing Code requires backwater valves on building sewers where the finished floor is below the rim of the upstream manhole. Backwater valves, if they are installed, must be located within the building footprint upstream of the cleanout. The city is not responsible for their installation, maintenance, or operation.
11. Lines shall be laid on uniform slope not less than 1/4" per foot for 4" pipe and 1/8" per foot for 6" pipe. Pipe shall be bedded in and covered with suitable fine material. Alignment of both vertical and horizontal shall be straight and true.
12. Minimum cover for side sewers shall be 18" on private property.
13. Side sewer shall be water or air tested for their entire length. Inspection of the test must be witnessed by a Public Works employee before backfill(see#3). (See paragraph 15.10.240. ordinance 2051 for details.)
14. Contractor shall provide 24 hours notice when requesting inspection.

Any questions regarding the above regulations may be directed to the Public Works Office (360) 330-7512

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
CITY ENGINEER	06-2023	SEWER MAIN INSTALLATION GENERAL NOTES	2 OF 2
2022 Standard Drawings			

**SANITARY SEWER
GENERAL NOTES**
2025 SANITARY SEWER
PIPE BURSTING AND CIPP
MAIN REPLACEMENT



DESIGNED BY: P. PAGE

DRAWN BY: C. TORSTVET

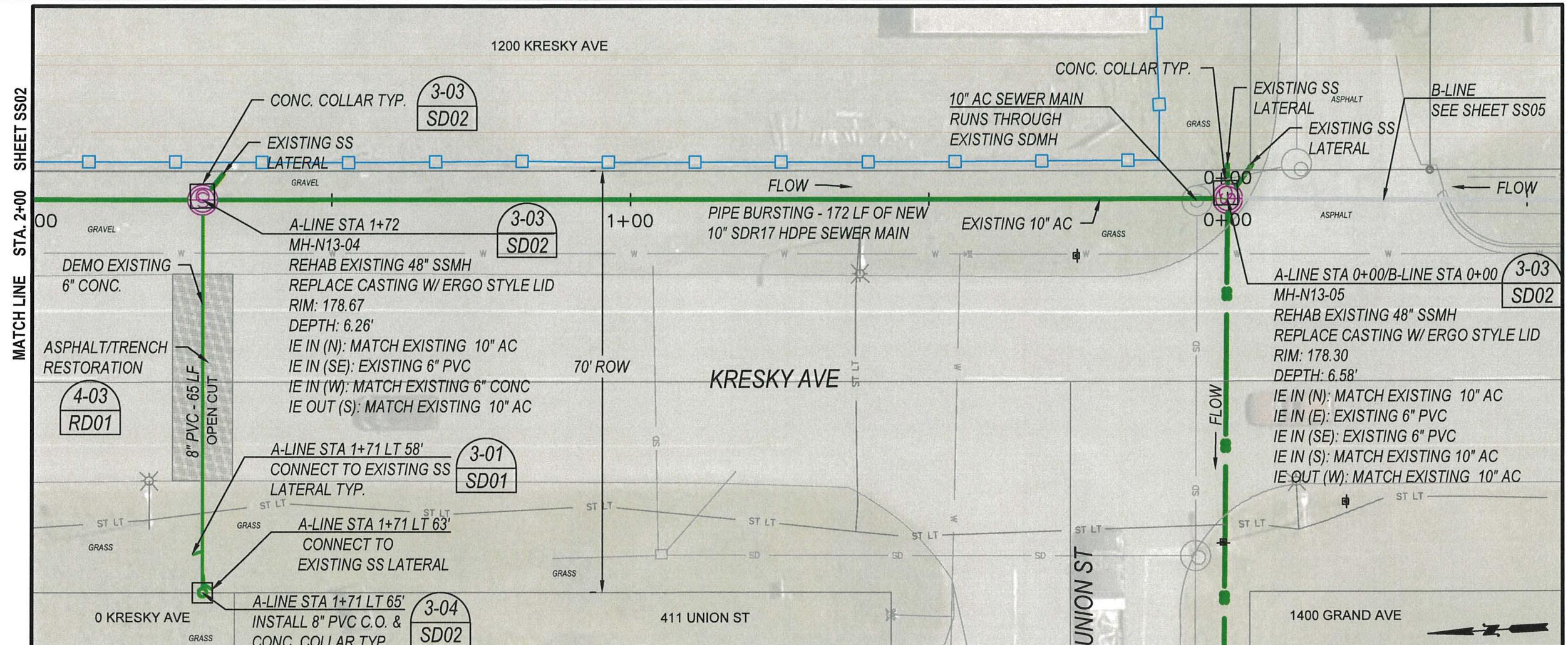
SURVEYED BY: C. TORSTVET

CHECKED BY: P. PAGE

April, 2025

G03

3 OF 25



A-LINE - PIPE BURSTING

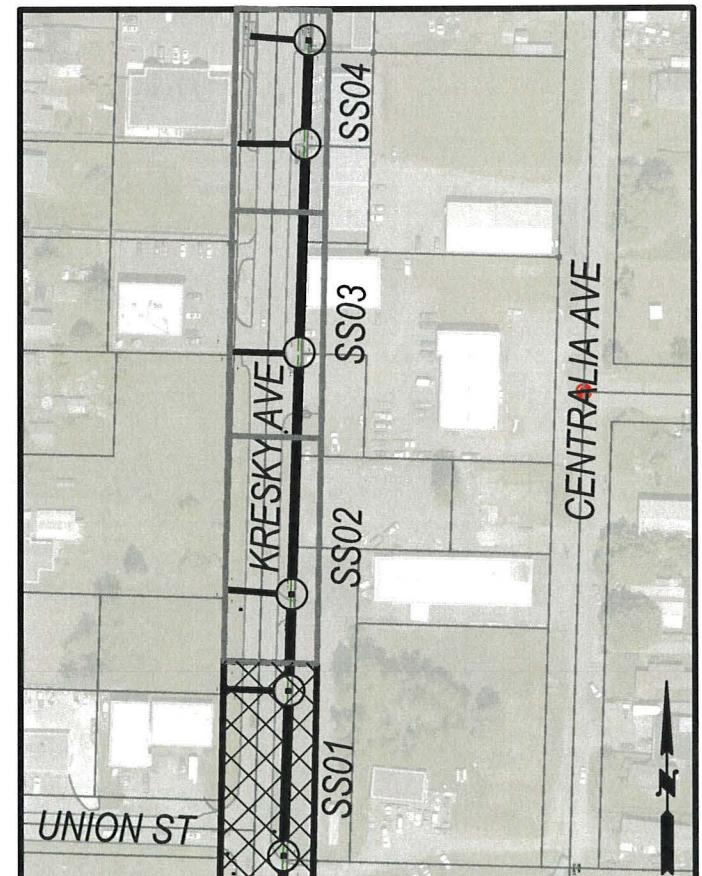
0+00 TO 2+00

PLAN VIEW
1" = 20'

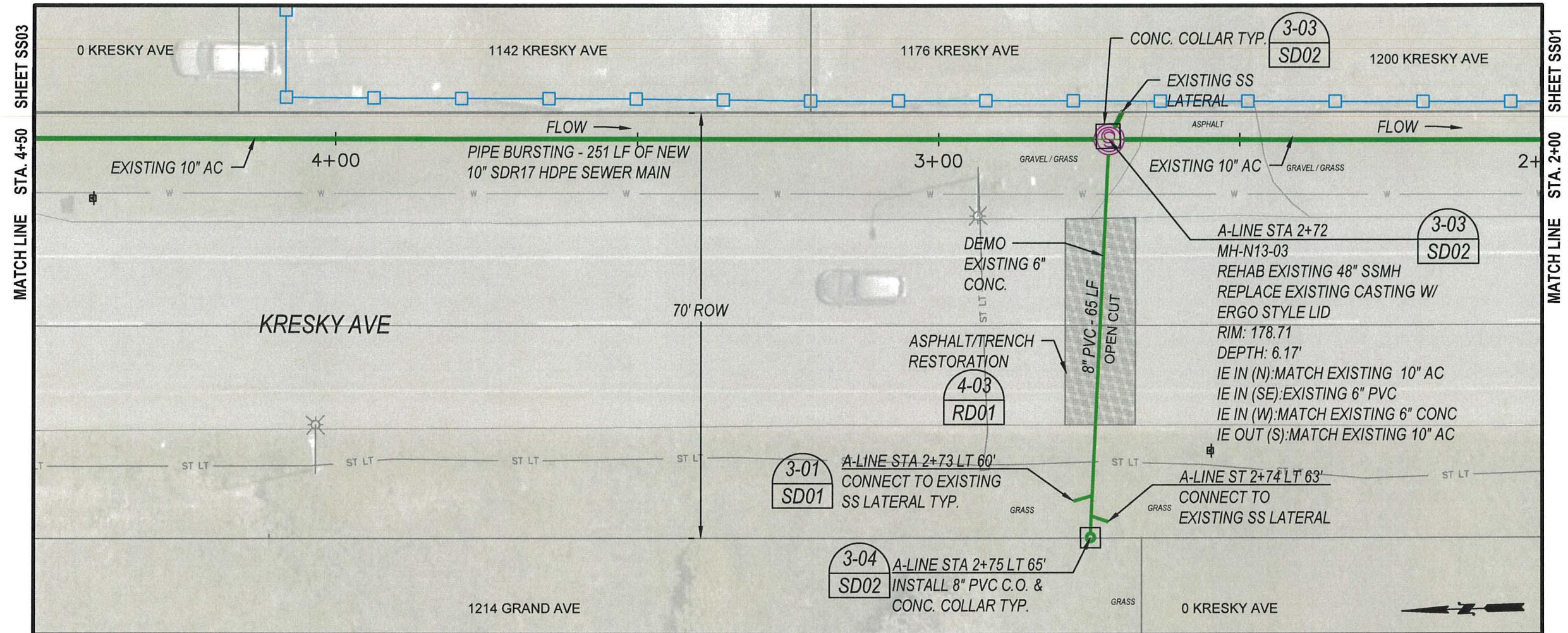
Notes:

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3. Roadway shall remain open to traffic at all times. Submit traffic control plan for review a minimum of 5 working days in advance of work beginning.
4. Protect all existing structures during construction. Contractor to coordinate access to properties during construction. Notify adjacent property owners a minimum of 48 hours prior to access impacts.
5. Fences, blocks and any other landscape materials in the right of way required to be removed to complete work shall be placed neatly on the adjacent property. Use care when removing. Take pictures before/after removal and provide to the engineer.
6. Protect all landscape areas outside of the working area. Restore with topsoil/seed unless otherwise noted.
7. By-pass pumping may be required during pipe bursting activity. By-pass assembly is to be carefully inspected by the contractor to assure no leakage.
8. Service to all active laterals is to remain active at all times during construction work. Mainline shall be in service by the end of the day.



A-LINE SHEET MAP



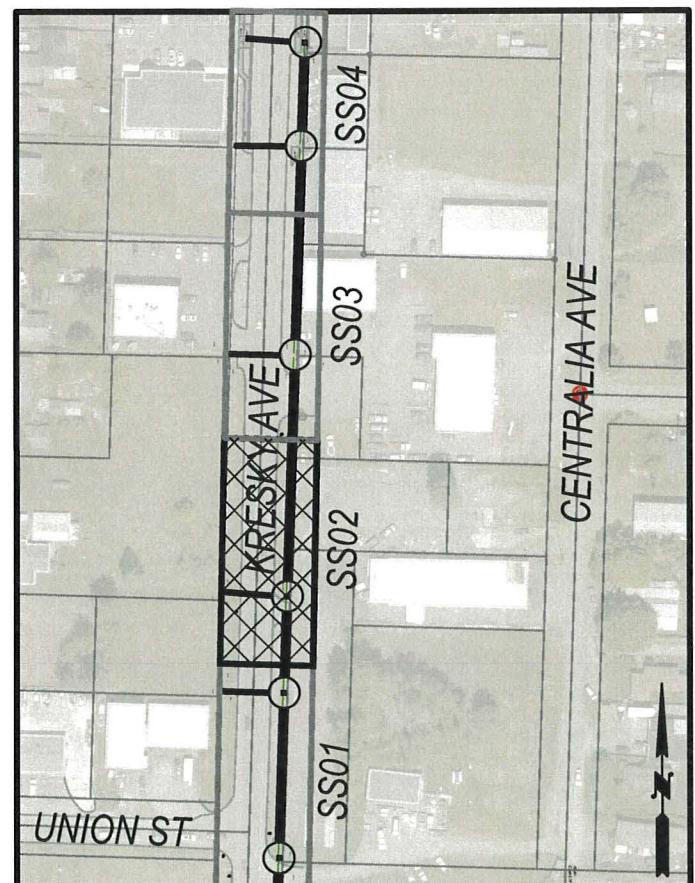
A-LINE - PIPE BURSTING

2+00 TO 4+50

PLAN VIEW
1" = 20'
0 10 20

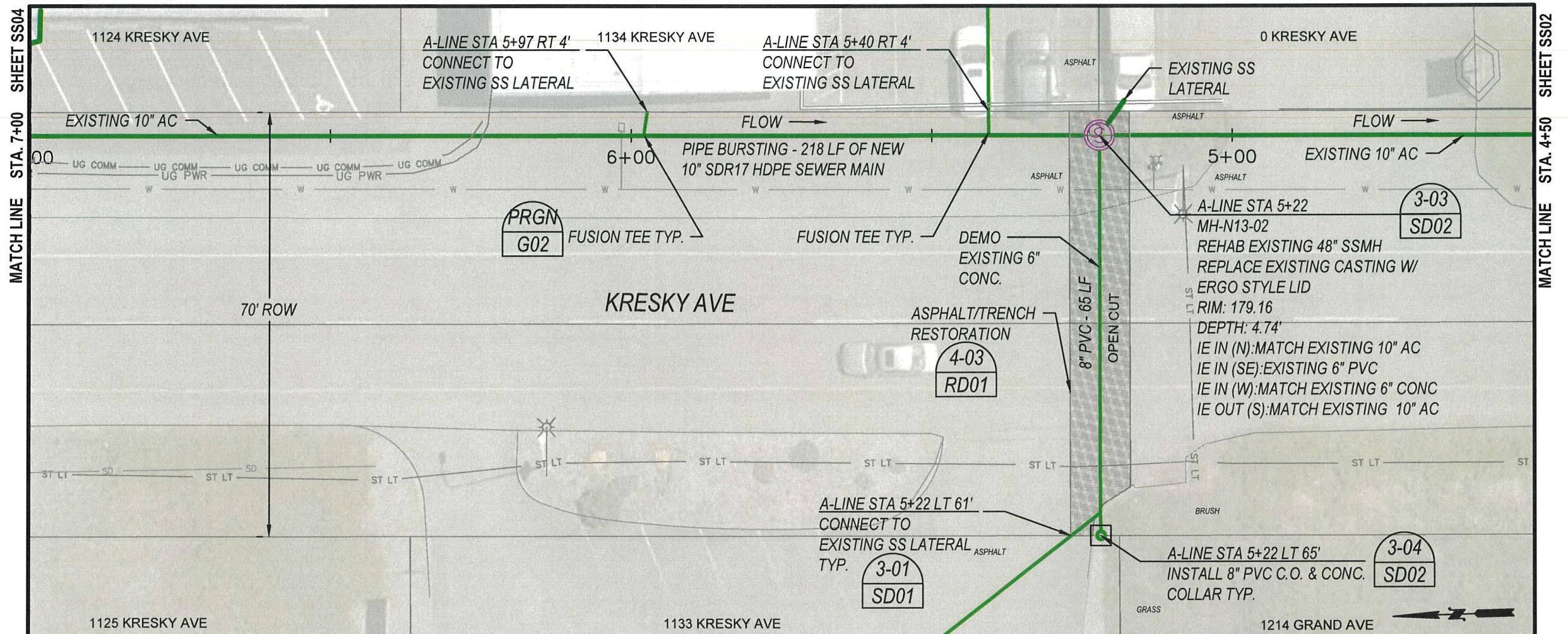
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A-LINE SHEET MAP





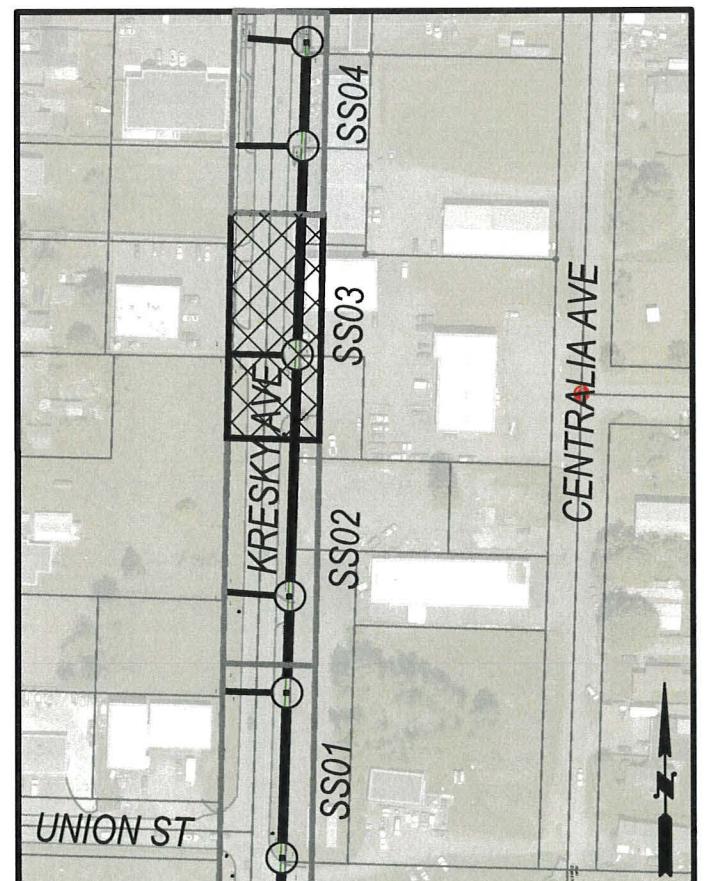
A-LINE - PIPE BURSTING

4+50 TO 7+00

PLAN VIEW

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A-LINE SHEET MAP



DESIGNED BY: P. PAGE

DRAWN BY C. TORSTVET

SURVEYED BY: C. TORSTVET

CHECKED BY: B. PAGE

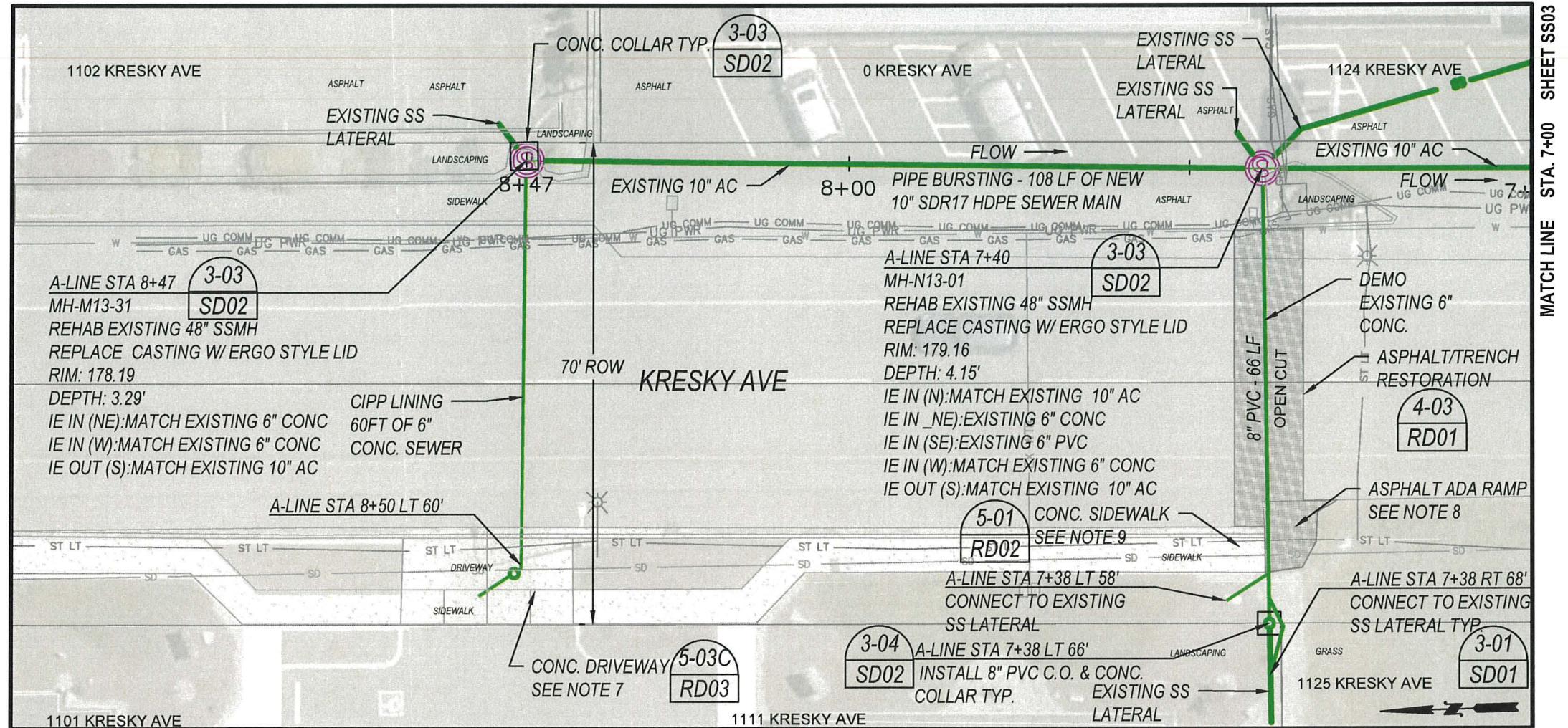
April 2025

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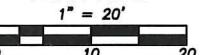
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A-LINE - PIPE BURSTING/CIPP LINING

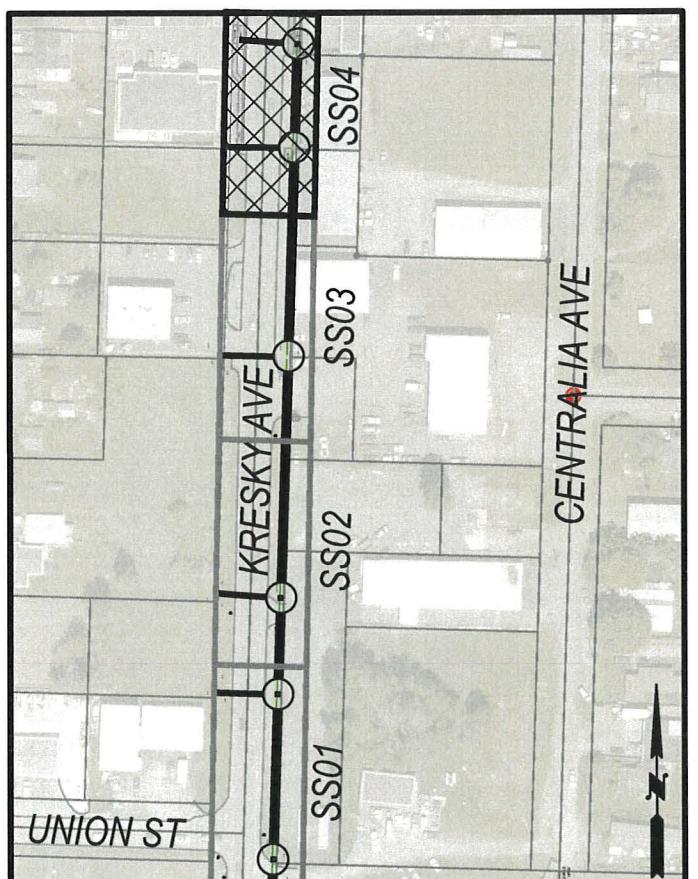
7+00 TO 8+47

PLAN VIEW



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6. Protect all landscape areas outside of the working area. Restore with topsoil/seed unless otherwise noted.
7. Private 6" cleanout is located under newly poured driveway and sidewalk. Do not disturb if possible. If sidewalk and or approach must be disturbed, it must be replaced and will be covered under minor change.
8. Existing asphalt ADA Ramp to be replaced per ADA standards.
9. If existing curb, gutter or sidewalk must be disturbed, it is to be replaced to the nearest joint. Payment will be made under minor change if needed.
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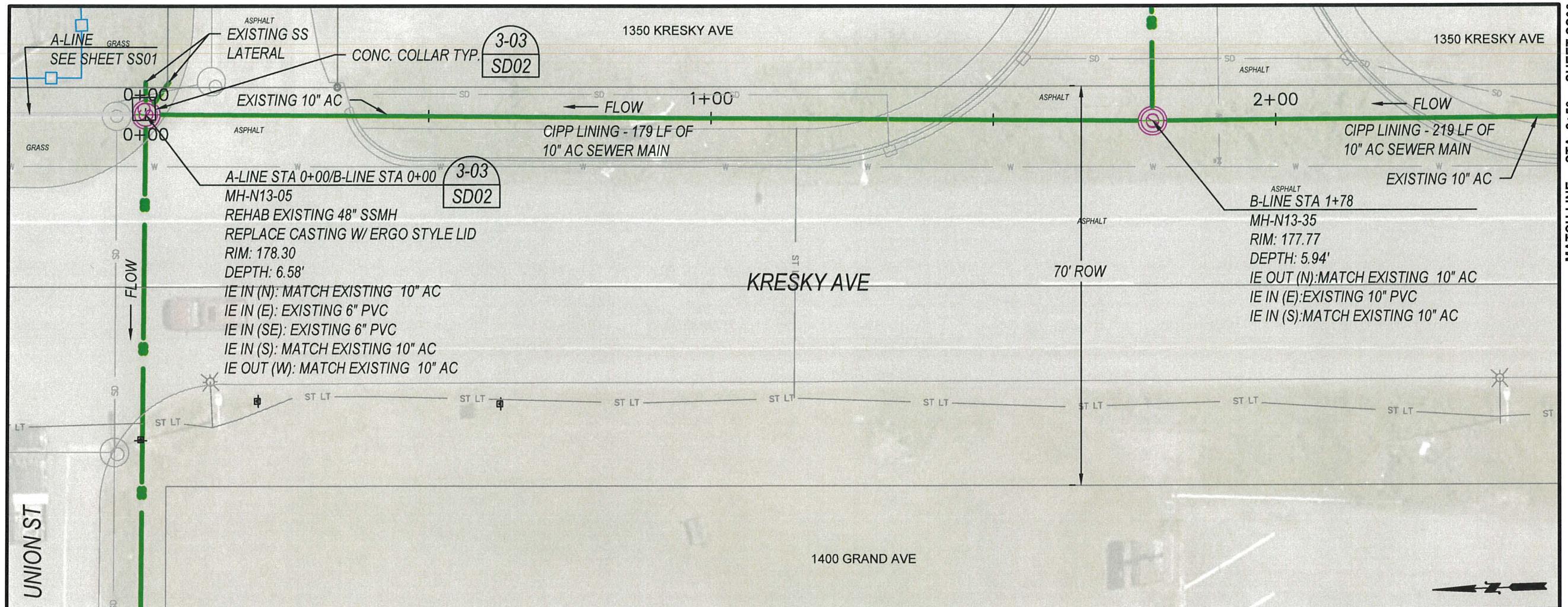


A-LINE SHEET MAP

SS04
7 OF 25

**CITY OF CENTRALIA
PUBLIC WORKS
ENGINEERING DEPT.**

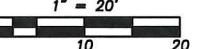
1100 N. TOWER AVE
CENTRALIA, WA 98531
P: 360.330.7512 F: 360.330.7516
CITYOFCENTRALIA.COM



B-LINE - PIPE BURSTING/CIPP LINING

0+00 TO 2+50

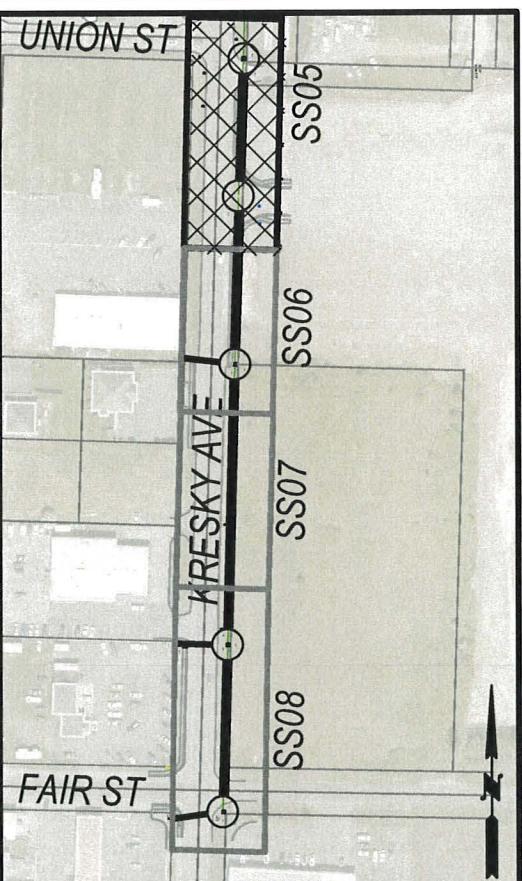
PLAN VIEW



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B-LINE SHEET MAP



DESIGNED BY: P. PAGE

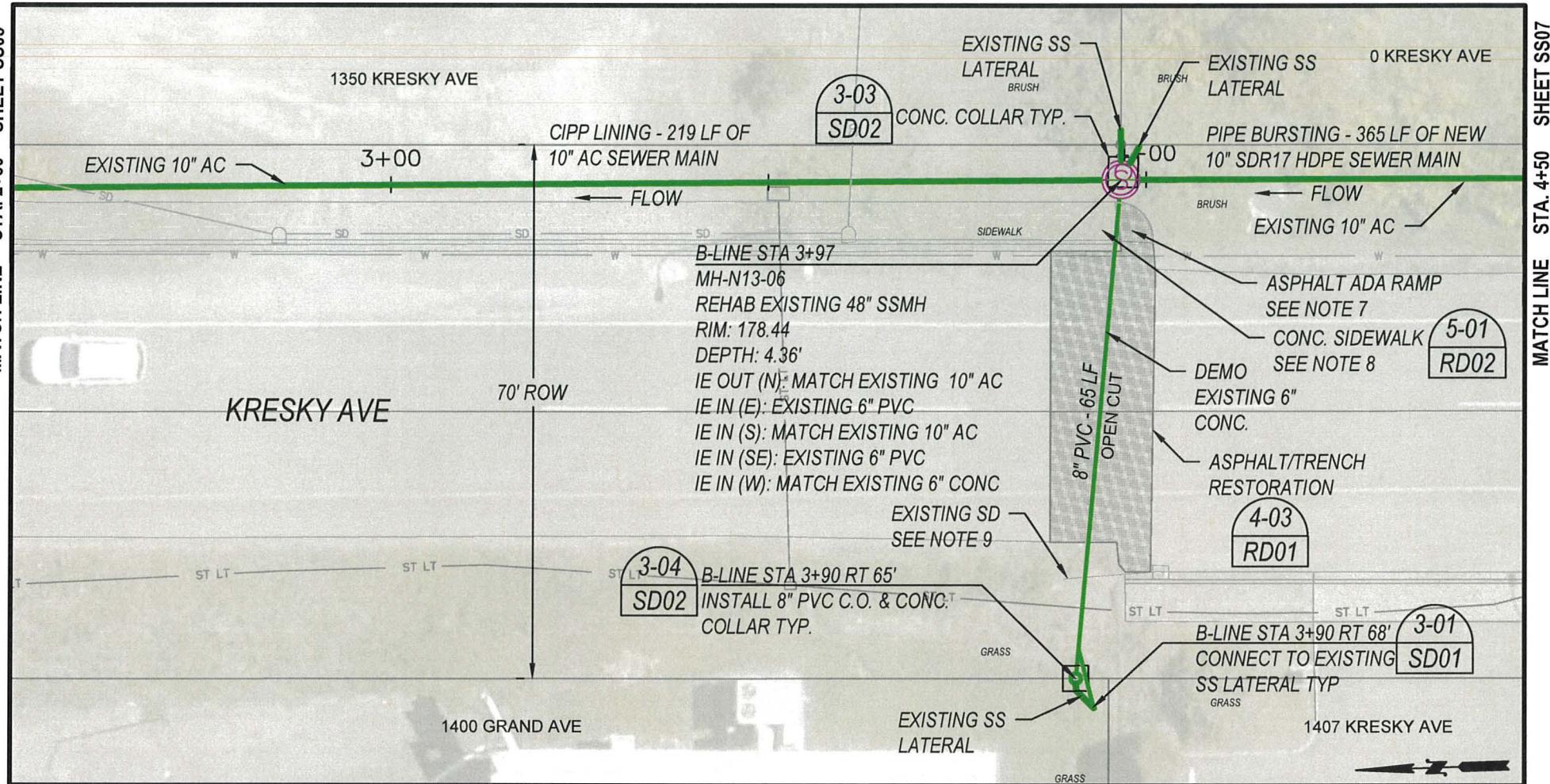
DRAWN BY: C. TORSTVET

SURVEYED BY: C. TORSTVET

CHECKED BY: P. PAGE

April, 2025

8 OF 25

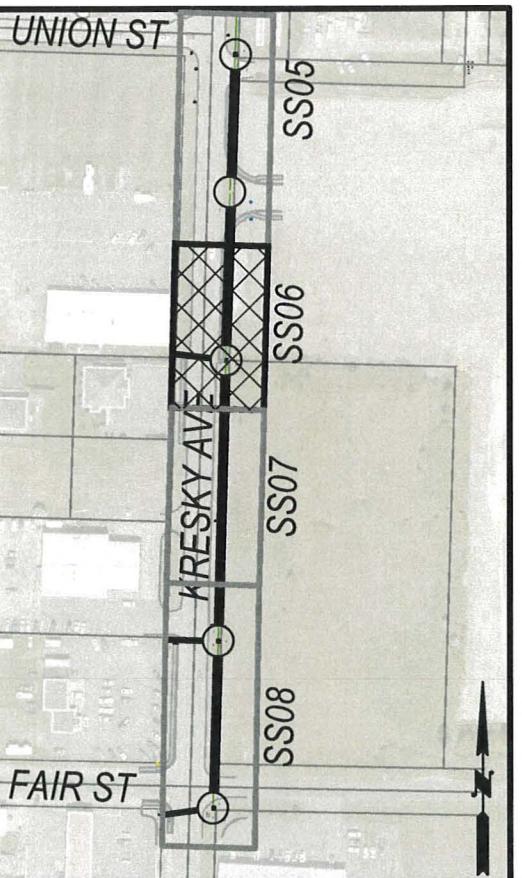
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6. Protect all landscape areas outside of the working area. Restore with topsoil/seed unless otherwise noted.
7. Existing asphalt ADA Ramp to be replaced per ADA standards.
8. If existing curb, gutter or sidewalk must be disturbed, it is to be replaced to the nearest joint. Payment will be made under minor change if needed.
9. Existing storm drain outfall to storm swale to be replaced if disturbed during construction.
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B-LINE - PIPE BURSTING/CIPP LINING

2+50 TO 4+50

PLAN VIEW
1' - 20'
0 10 20

**B-LINE SHEET MAP**

2025 SANITARY SEWER
PIPE BURSTING AND CIPP
MAIN REPLACEMENT

PW 2025-04



DESIGNED BY: P. PAGE

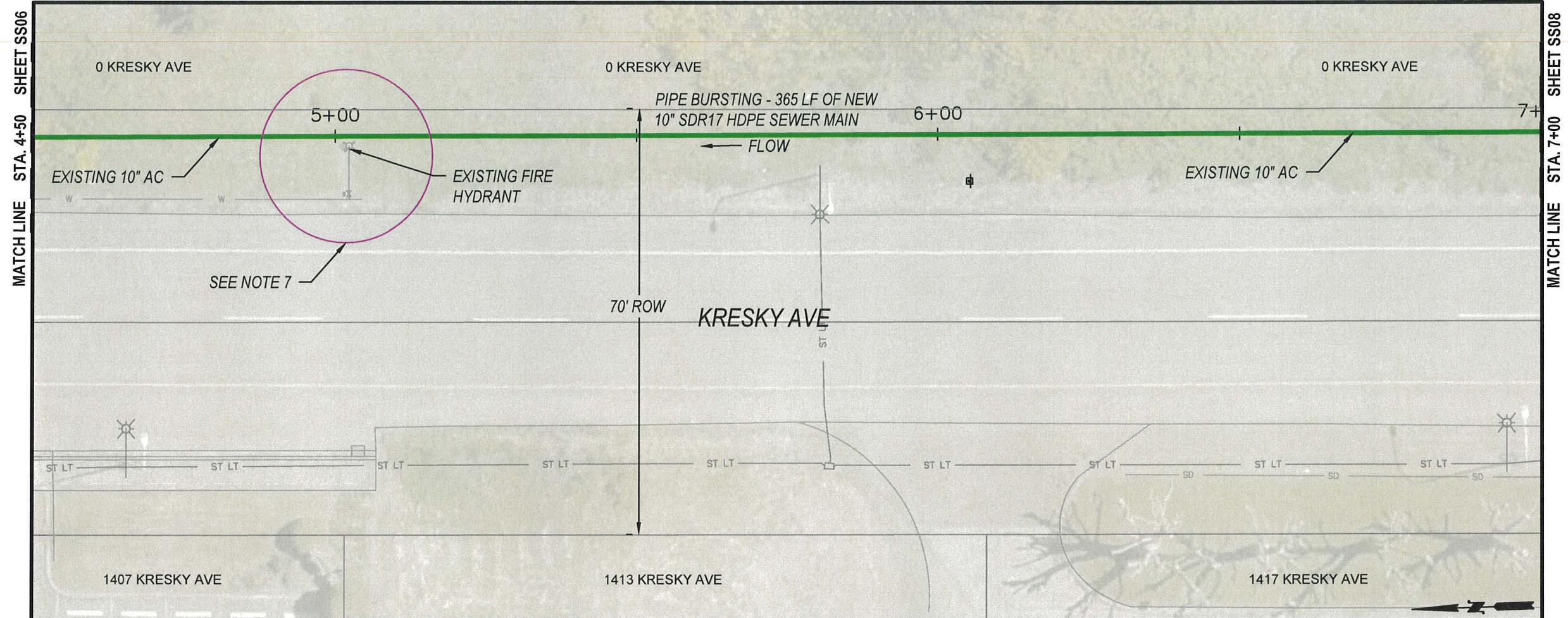
DRAWN BY: C. TORSTVET

SURVEYED BY: C. TORSTVET

CHECKED BY: P. PAGE

April, 2025

SS06**9 OF 25**



B-LINE - PIPE BURSTING

4+50 TO 7+00

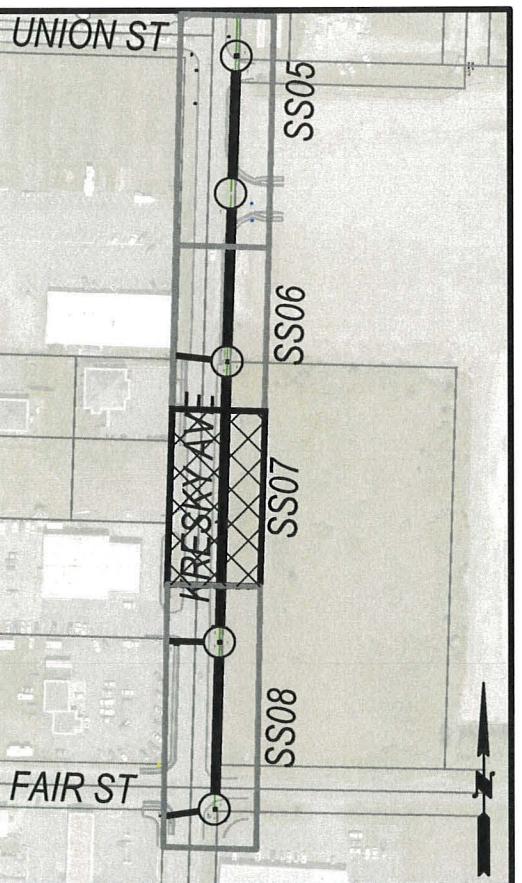
PLAN VIEW

1" = 20'

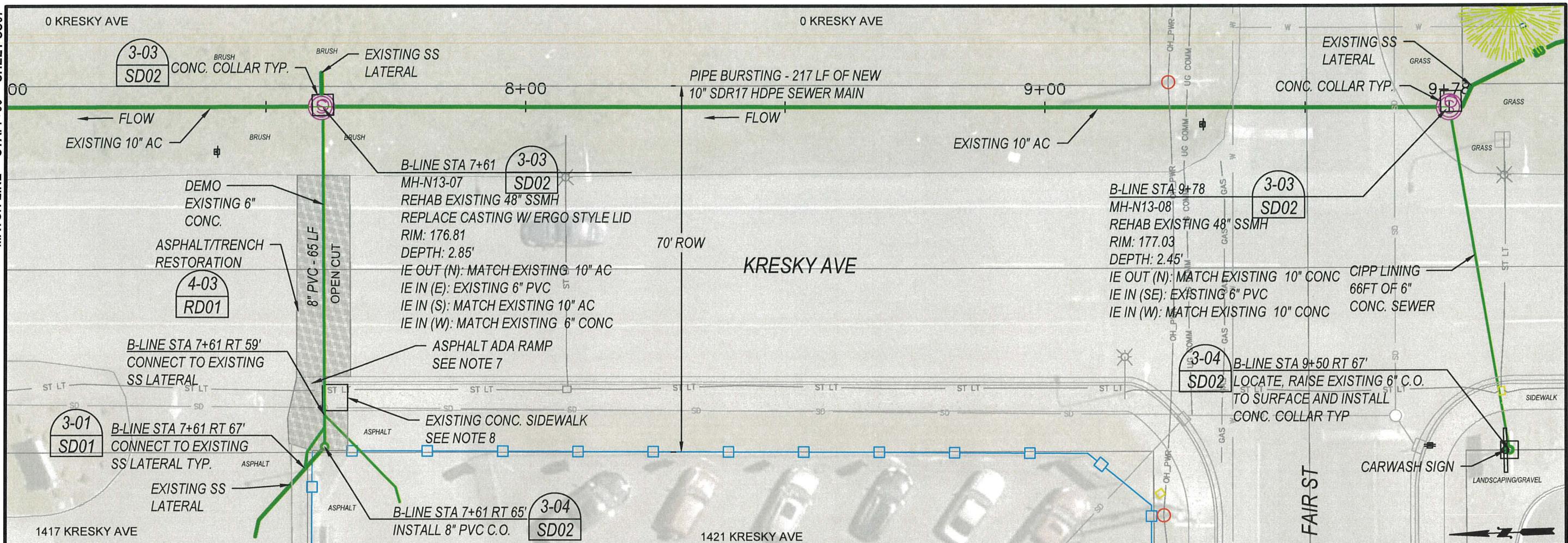
0 10 20

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3. Roadway shall remain open to traffic at all times. Submit traffic control plan for review a minimum of 5 working days in advance of work beginning.
4. Protect all existing structures during construction. Contractor to coordinate access to properties during construction. Notify adjacent property owners a minimum of 48 hours prior to access impacts.
5. Fences, blocks and any other landscape materials in the right of way required to be removed to complete work shall be placed neatly on the adjacent property. Use care when removing. Take pictures before/after removal and provide to the engineer.
6. Protect all landscape areas outside of the working area. Restore with topsoil/seed unless otherwise noted.
7. Potential separation conflict with existing fire hydrant and proposed burst. Existing sewer main may need to be exposed prior to bursting to ensure no damage to the hydrant or water system.
8. By-pass pumping may be required during pipe bursting activity. By-pass assembly is to be carefully inspected by the contractor to assure no leakage.
9. Service to all active laterals is to remain active at all times during construction work. Mainline shall be in service by the end of the day.



B-LINE SHEET MAP



B-LINE - PIPE BURSTING/CIPP LINING

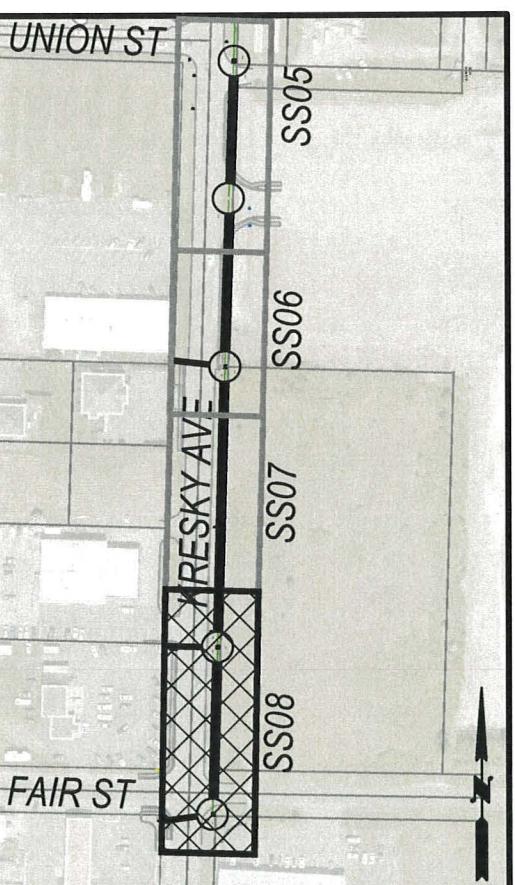
7+00 TO 9+78

PLAN VIEW
1" = 20'

Notes:

Notes:

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6. Protect all landscape areas outside of the working area. Restore with topsoil/seed unless otherwise noted.
7. Existing asphalt ADA Ramp to be replaced per ADA standards.
8. If existing curb, gutter or sidewalk must be disturbed, it is to be replaced to the nearest joint. Payment will be made under minor change if needed.
9. By-pass pumping may be required during pipe bursting activity. By-pass assembly is to be carefully inspected by the contractor to assure no leakage.
10. Service to all active laterals is to remain active at all times during construction work. Mainline shall be in service by the end of the day.



B-LINE SHEET MAP



DESIGNED BY: P. PAGE

DRAWN BY: C. TORST

SURVEYED BY: C. TORSTENSON

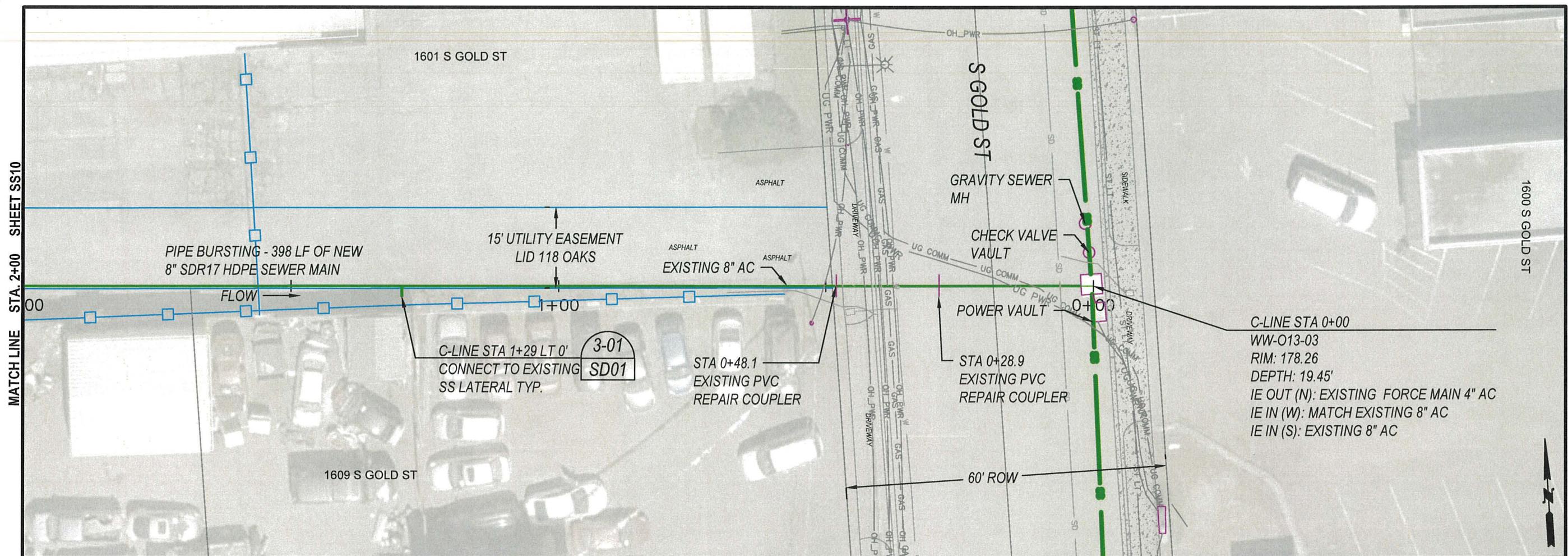
CHECKED BY: B. PAGE

April 2025

April, 2020

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11.25



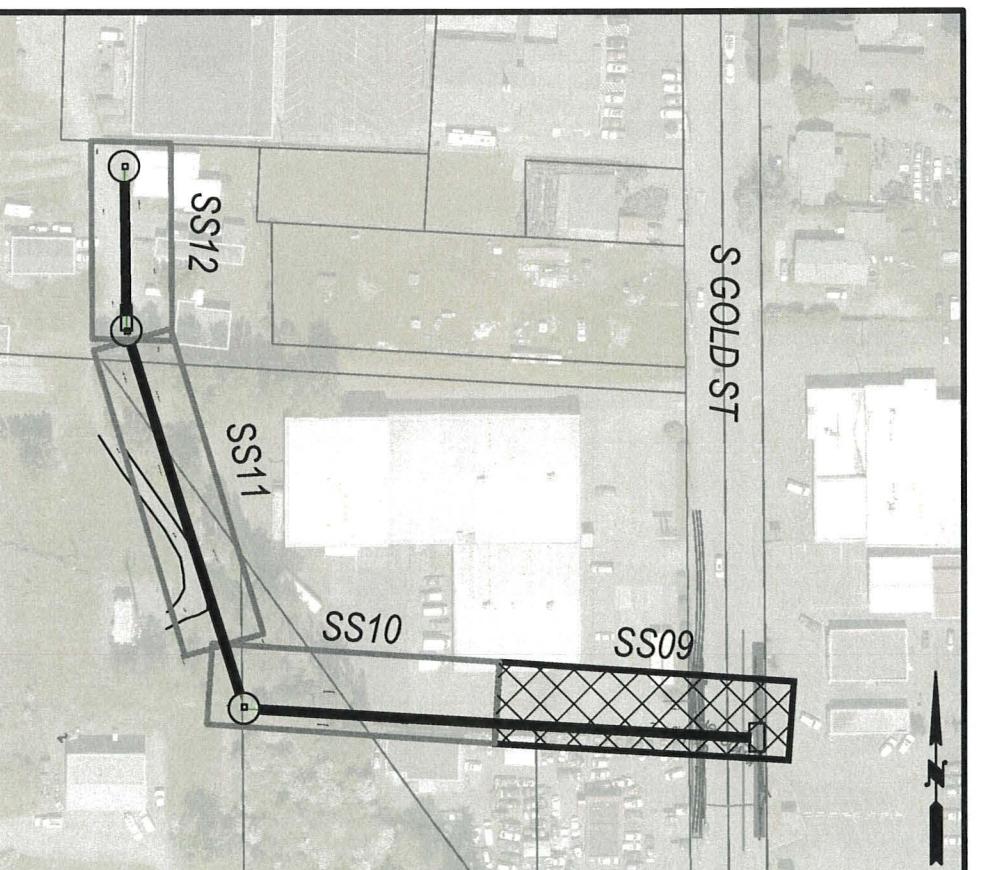
C-LINE - PIPE BURSTING

0+00 TO 2+00

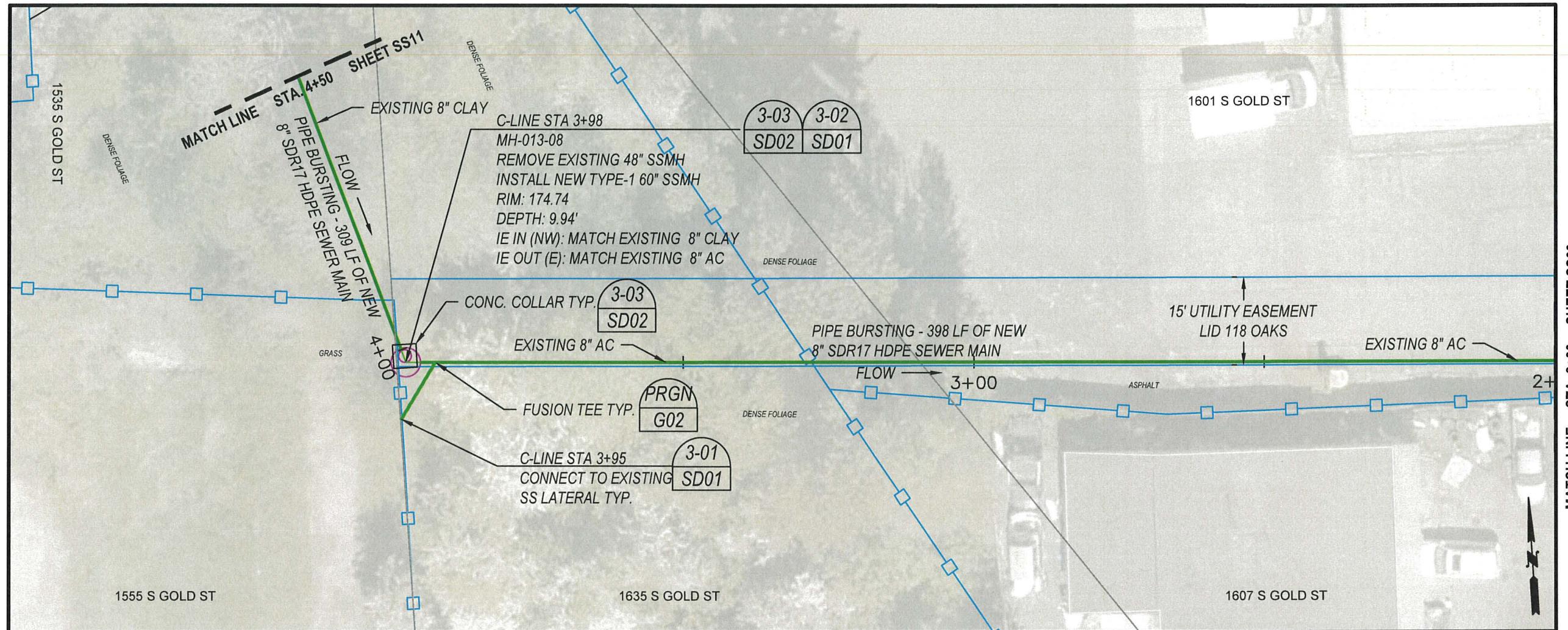
PLAN VIEW
1" = 20'

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7. Existing asphalt ADA Ramp to be replaced per ADA standards.
8. If existing curb, gutter or sidewalk must be disturbed, it is to be replaced to the nearest joint
9. Any work within WW-O13-03 will need to be coordinated with the City of Centralia at minimum 5 business days in advance.
10. Pull pit for connection into WW-O13-03 will not be allowed. Pipe bursting is to be done pneumatically from within WW-O13-03.
11. Connection is to be made with HDPE sand collar and patched with approved grout.
12. WW-O13-03 is coated with epoxy, any damage to the coated surface will be repaired with Ravens 405.
13. Connections to the mainline will be made by fusion tee. See sheet G02 Pipe Bursting General Notes.
14. By-pass pumping may be required during pipe bursting activity. By-pass assembly is to be carefully inspected by the contractor to assure no leakage.
15. Service to all active laterals is to remain active at all times during construction work. Mainline shall be in service by the end of the day.



C-LINE SHEET MAP



C-LINE - PIPE BURSTING

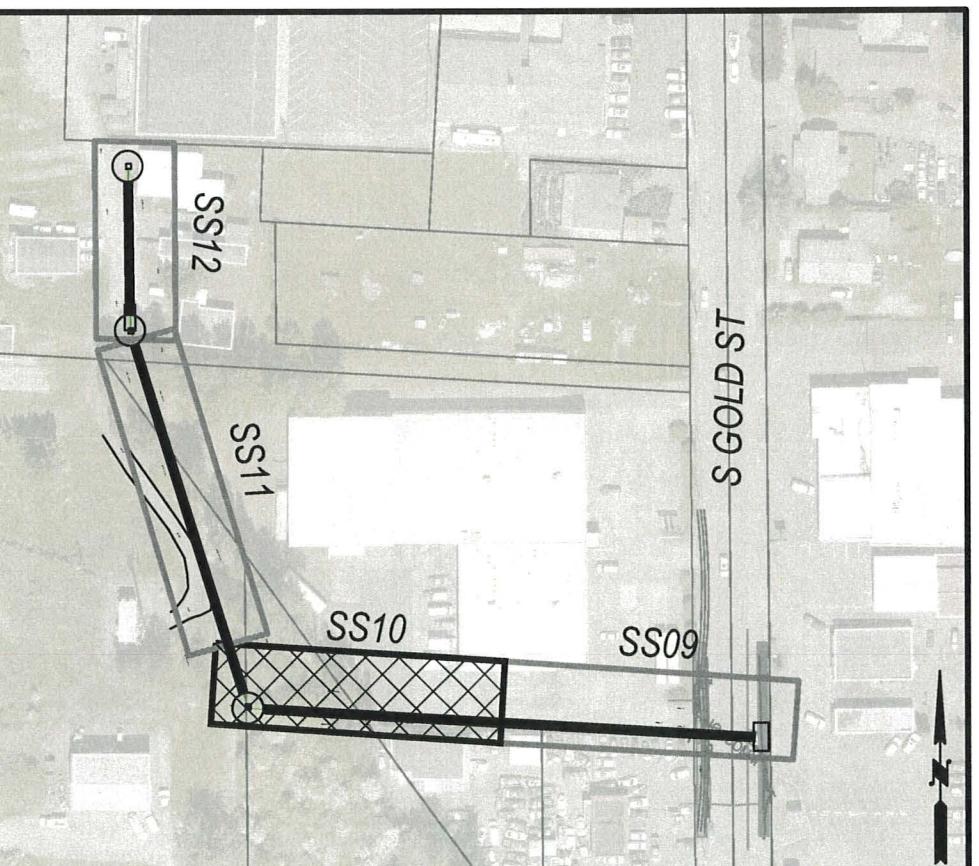
2+00 TO 4+50

PLAN VIEW

1" = 20'
0 10 20

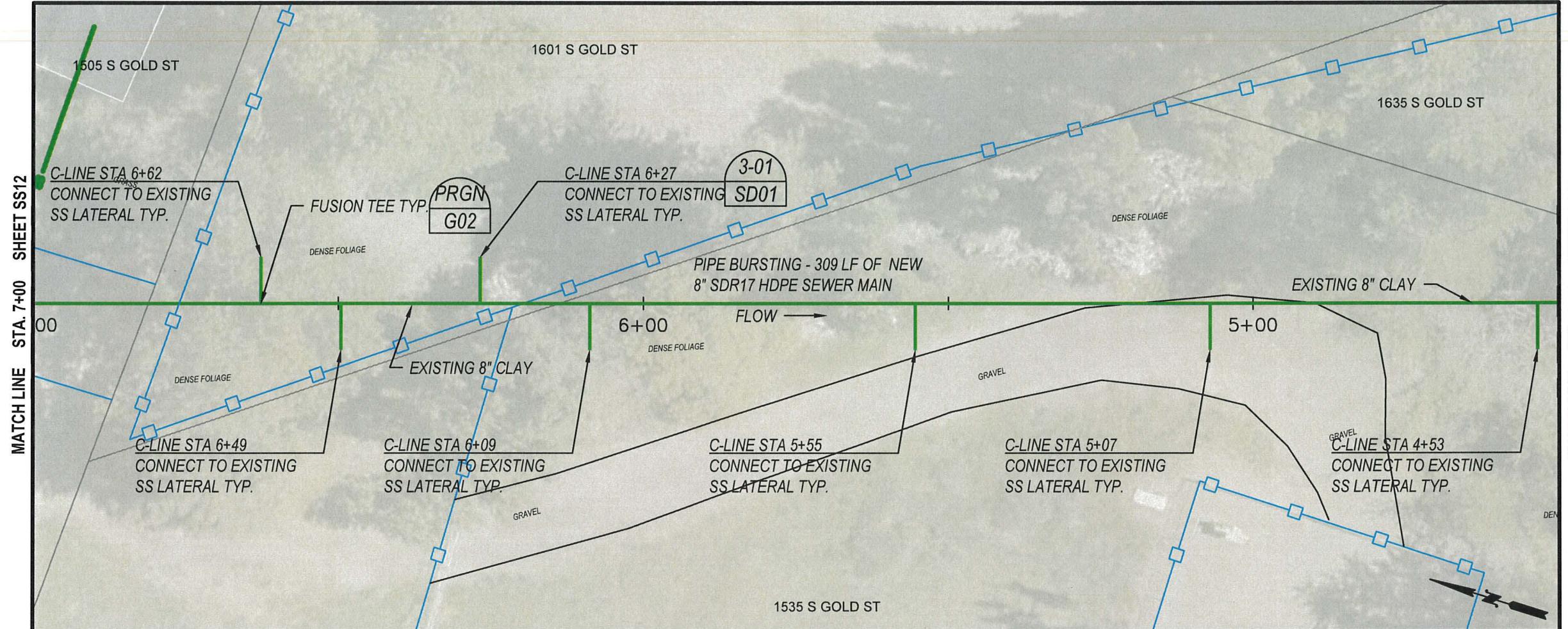
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6. Protect all landscape areas outside of the working area. Restore with topsoil/seed unless otherwise noted.
7. C-line STA 3+00 to 7+00 runs through a heavily forested area. Removal of trees may be necessary and will be paid under minor change.
8. Connections to the mainline will be made by fusion tee. See sheet G02 Pipe Bursting General Notes.
9. By-pass pumping may be required during pipe bursting activity. By-pass assembly is to be carefully inspected by the contractor to assure no leakage.
10. Service to all active laterals is to remain active at all times during construction work. Mainline shall be in service by the end of the day.
11. Pot hole and verify existing pipe IE's prior to ordering new 60" manholes.



C-LINE SHEET MAP

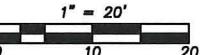




C-LINE - PIPE BURSTING

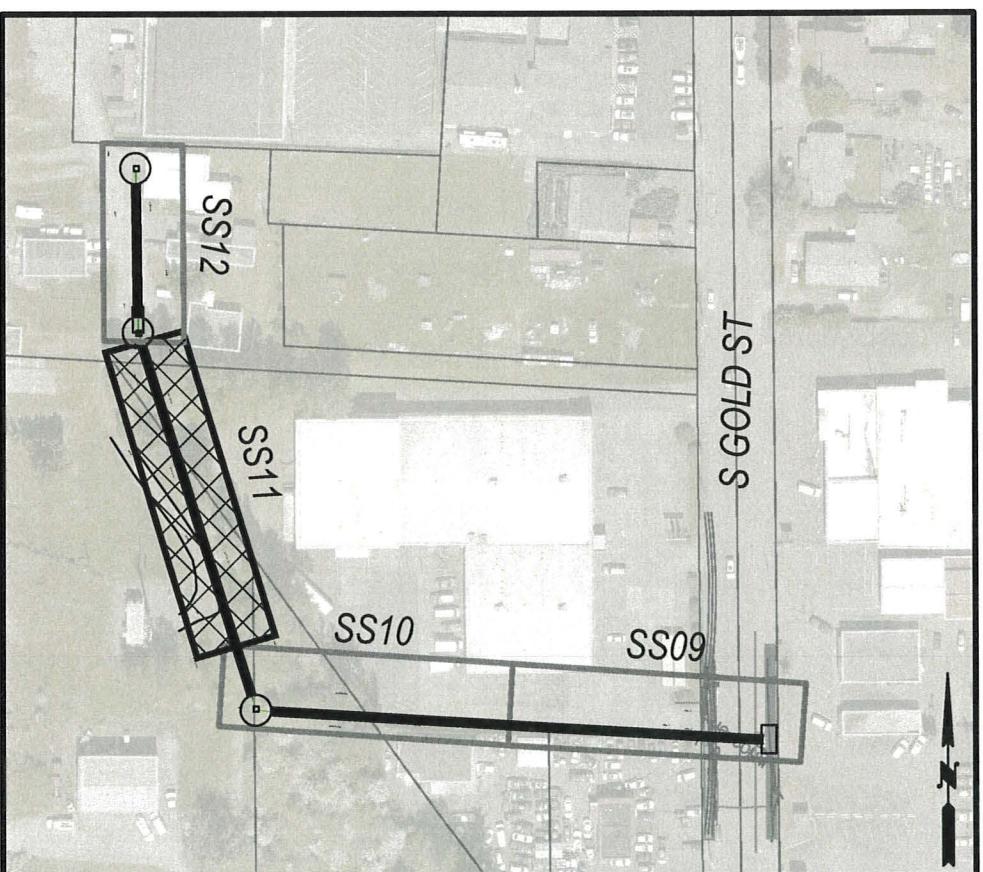
4+50 TO 7+00

PLAN VIEW



Notes:

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7. C-line STA 3+00 to 7+00 runs through a heavily forested area. Removal of trees may be necessary and will be paid under minor change.
8. Connections to the mainline will be made by fusion tee. See sheet G02 Pipe Bursting General Notes
9. By-pass pumping may be required during pipe bursting activity. By-pass assembly is to be carefully inspected by the contractor to assure no leakage.
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11. Pot hole and verify existing pipe IE's prior to ordering new 60" manholes.



C-LINE SHEET MAP



DESIGNED BY: P. PAGE

DRAWN BY: C. TORSTVEI

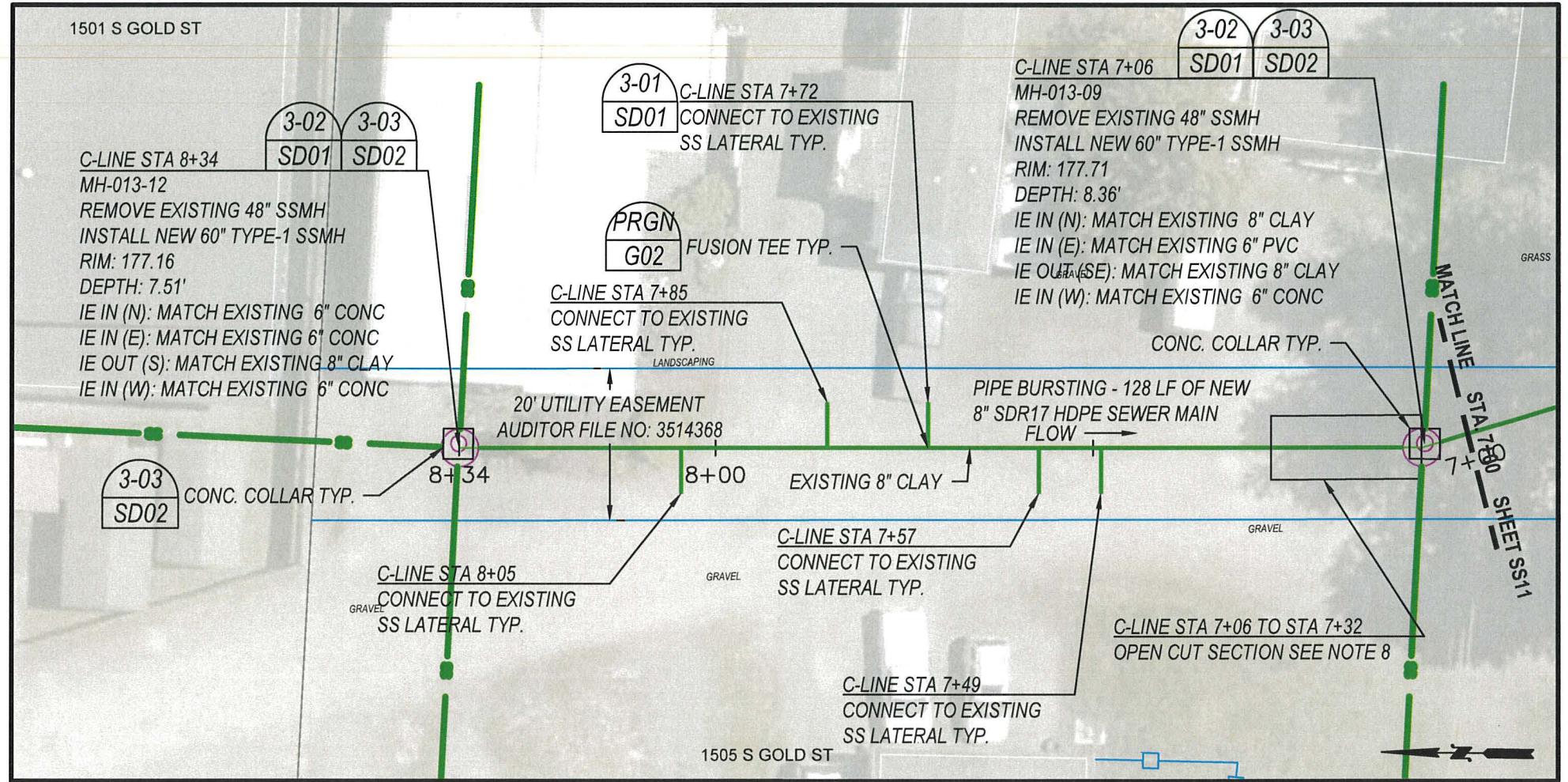
SURVEYED BY: C. TORSTVEI

CHECKED BY: P. PAGE

April, 2025

SS11

14 OF 25



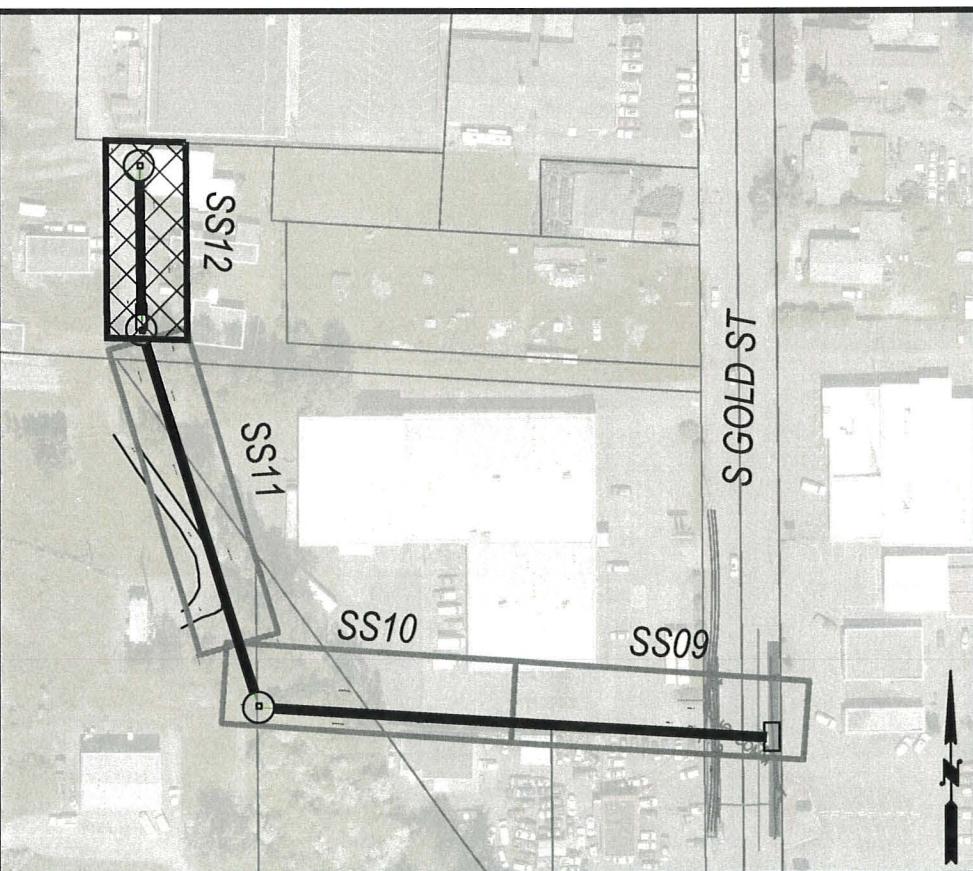
C-LINE - PIPE BURSTING/OPEN CUT

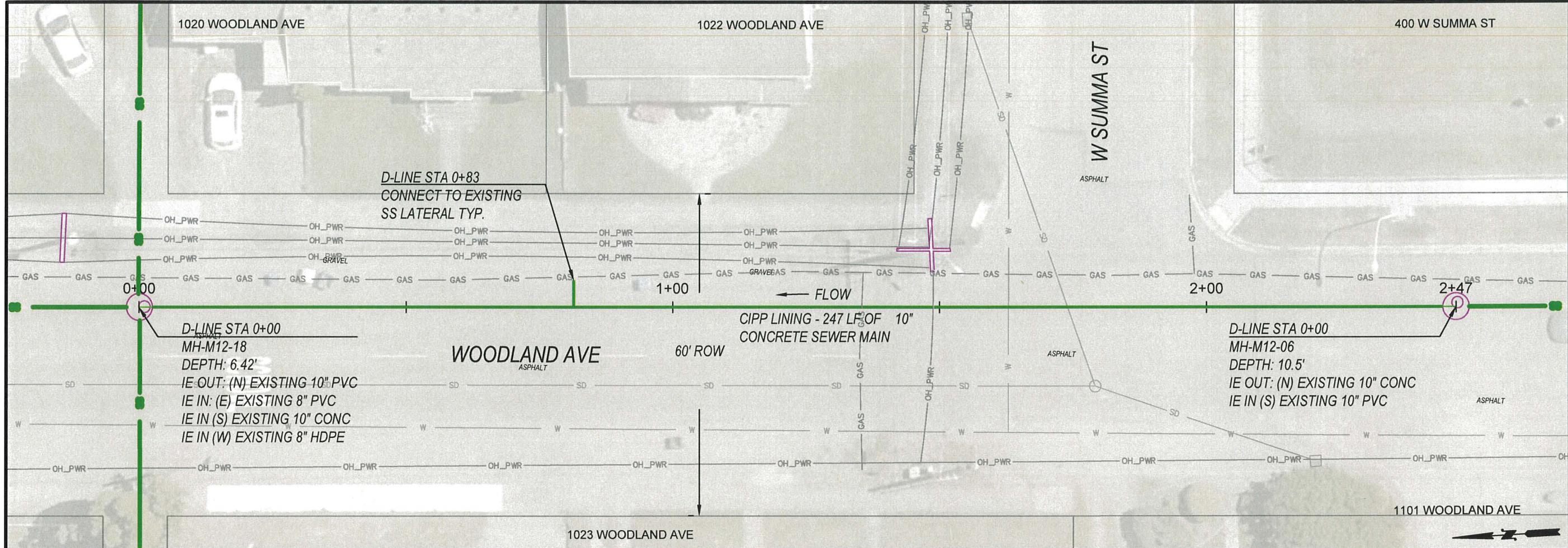
7+00 TO 8+34

PLAN VIEW
1" = 20'
0 10 20

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6. Protect all landscape areas outside of the working area. Restore with topsoil/seed unless otherwise noted.
7. Connections to the mainline will be made by fusion tee. See sheet G02 Pipe Bursting General Notes.
8. Severe sag in existing 8" clay STA 7+06 to STA 7+32. Open cut section of pipe to correct sag prior to pipe bursting.
9. By-pass pumping may be required during pipe bursting activity. By-pass assembly is to be carefully inspected by the contractor to assure no leakage.
10. Service to all active laterals is to remain active at all times during construction work. Mainline shall be in service by the end of the day.
11. Pot hole and verify existing pipe IE's prior to ordering new 60" manholes.





D-LINE - CIPP LINING

0+00 TO 2+50

PLAN VIEW

A scale bar consisting of a horizontal line with tick marks. The text "1' = 20'" is written above the bar. The bar is divided into 20 equal segments, with major tick marks at the start, end, and every 5 segments. The first segment is double the width of the others.

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DESIGNED BY: B. PAGE

DRAWN BY: C. TORSTVET

SURVEYED BY: C. TORSTVET

CHECKED BY: P. PAGE

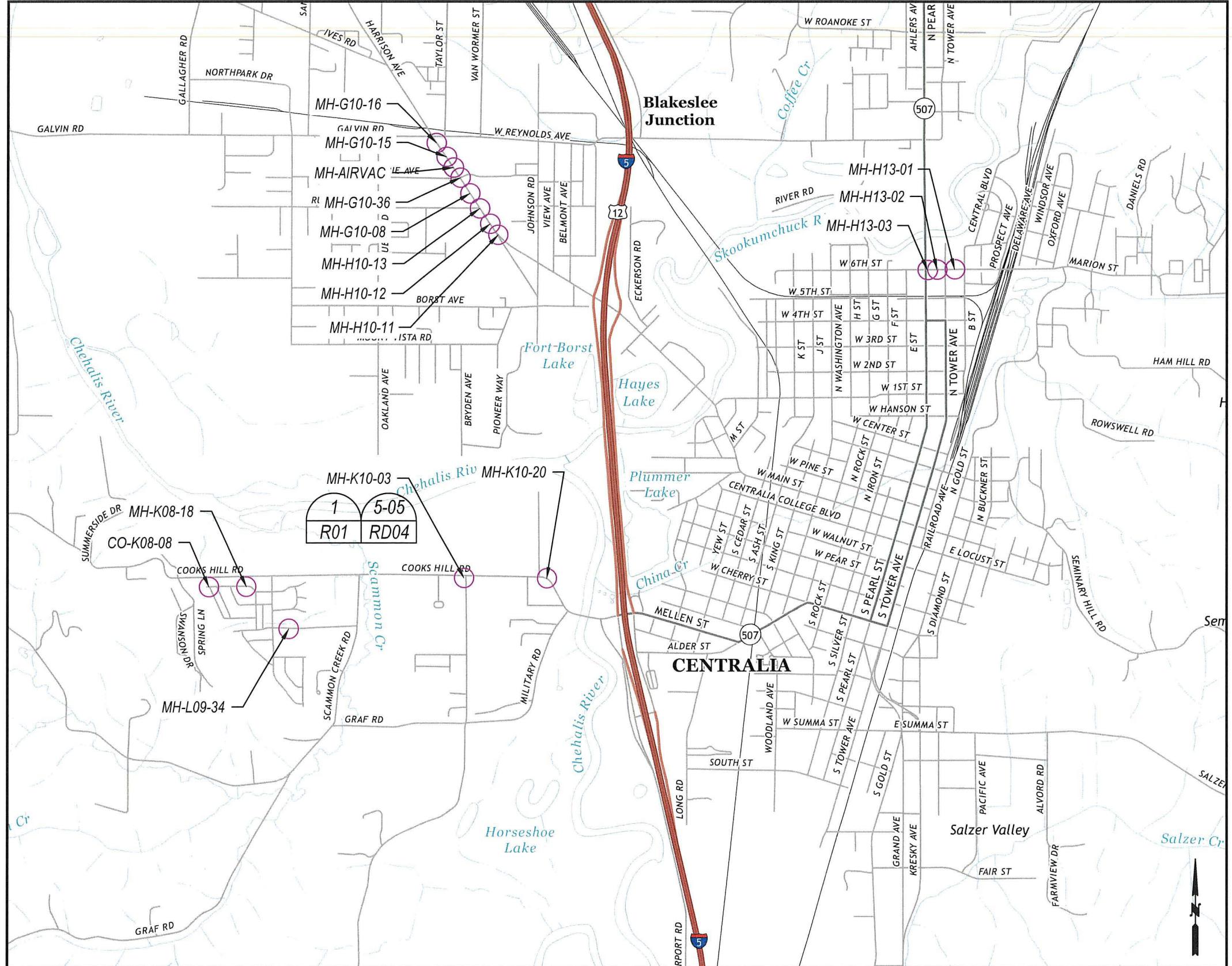
April, 2025

10 of 10

ss13

6616

16 OF 25



MANHOLE CASTING ADJUSTMENTS

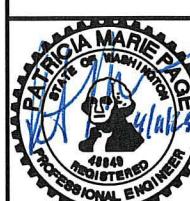
Plan View

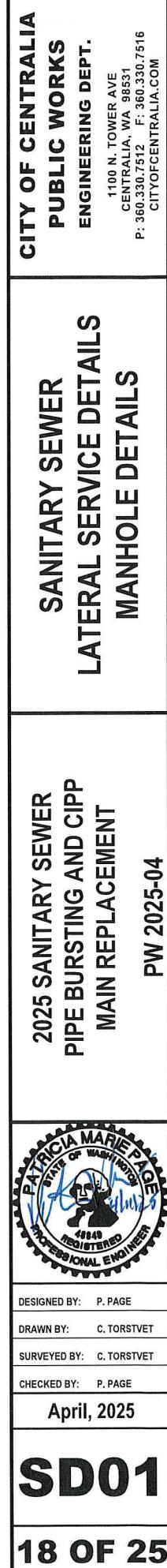
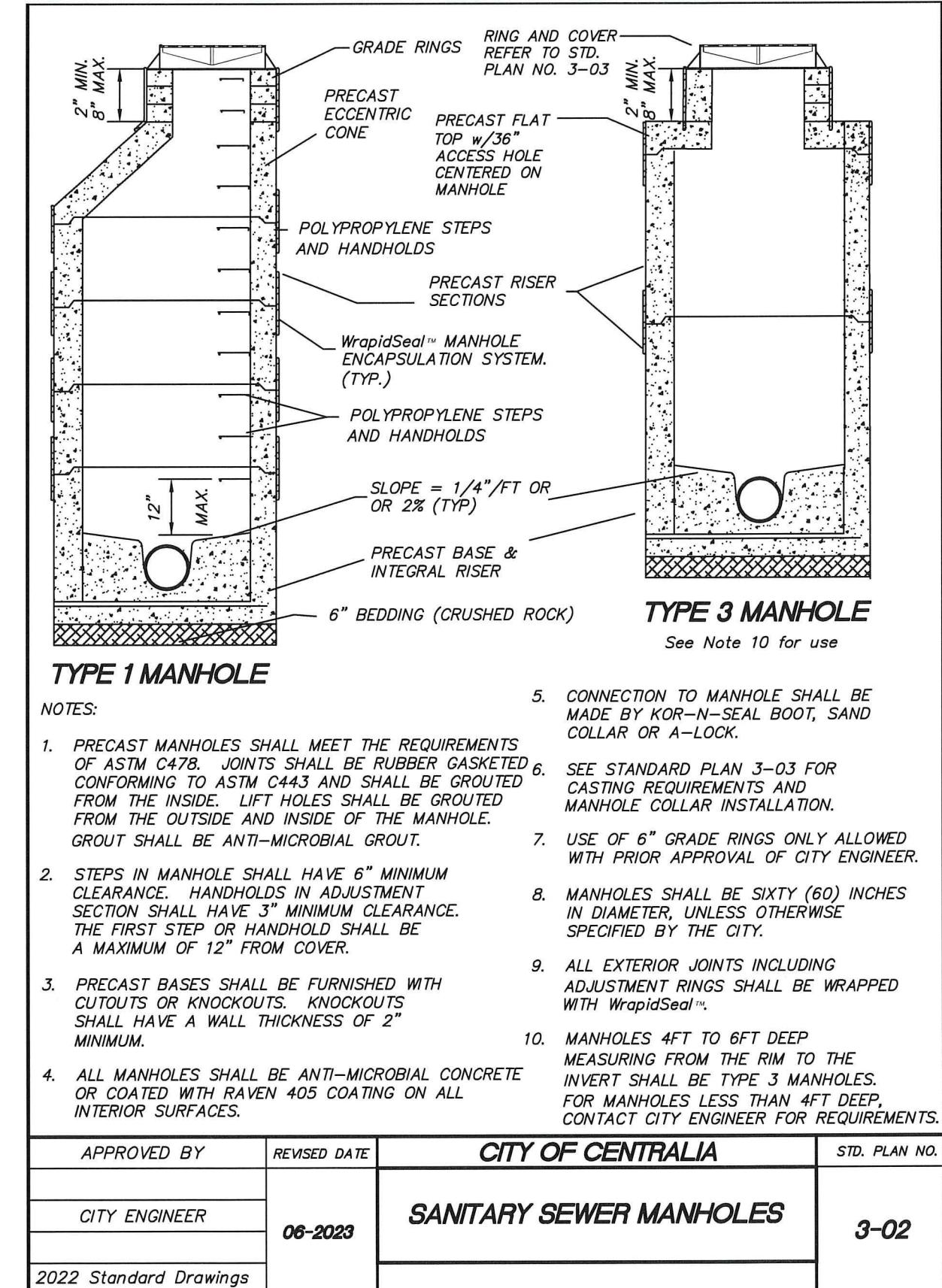
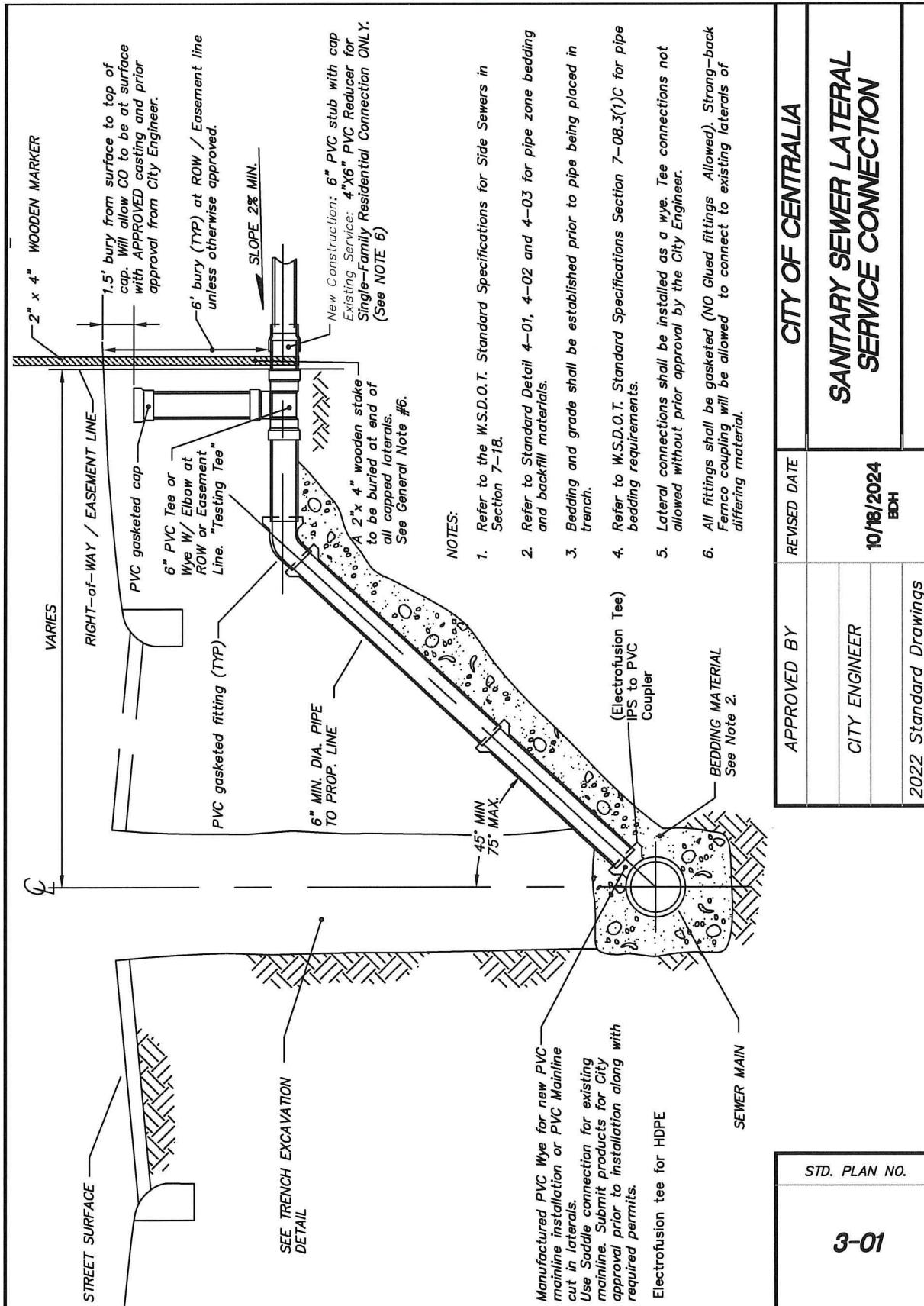
MANHOLE NOTES

SSMH #	DESCRIPTION
MH-K10-20	REMOVE AND REPLACE EXISTING CASTING, TRAFFIC MAY BE A CONCERN
MH-K10-03	BURIED UNDER ADA RAMP LOCATE, ADJUST CASTING TO GRADE AND RE-INSTALL ADA RAMP
CO-K08-08	C.O. IS BROKEN AND BURIED. LOCATE, REPAIR AND SET TO GRADE
MH-K08-18	BURIED, ADJUST CASTING TO GRADE
MH-L09-34	BURIED, ADJUST CASTING TO GRADE
MH-G10-16	ASPHALT COLLAR BROKEN, DIG OUT 18", CDF AND REPAVE
MH-G10-15	ASPHALT COLLAR BROKEN, DIG OUT 18", CDF AND REPAVE
MH-G10-36	ASPHALT COLLAR BROKEN, DIG OUT 18", CDF AND REPAVE
MH-G10-08	ASPHALT COLLAR BROKEN, DIG OUT 18", CDF AND REPAVE
MH-H10-13	ASPHALT COLLAR BROKEN, DIG OUT 18", CDF AND REPAVE
MH-H10-12	ASPHALT COLLAR BROKEN, DIG OUT 18", CDF AND REPAVE
MH-H10-11	ASPHALT COLLAR BROKEN, DIG OUT 18", CDF AND REPAVE
MH-K10-03	ASPHALT COLLAR BROKEN, DIG OUT 18", CDF AND REPAVE
MH-K10-20	ASPHALT COLLAR BROKEN, DIG OUT 18", CDF AND REPAVE
CO-K08-08	ASPHALT COLLAR BROKEN, DIG OUT 18", CDF AND REPAVE
MH-G10-08	ASPHALT COLLAR BROKEN, DIG OUT 18", CDF AND REPAVE
MH-H10-13	ASPHALT COLLAR BROKEN, DIG OUT 18", CDF AND REPAVE
MH-H10-12	ASPHALT COLLAR BROKEN, DIG OUT 18", CDF AND REPAVE
MH-H10-11	ASPHALT COLLAR BROKEN, DIG OUT 18", CDF AND REPAVE
MH-H13-03	REMOVE AND REPLACE EXISTING CASTING
MH-H13-02	REMOVE AND REPLACE EXISTING CASTING
MH-H13-01	REMOVE AND REPLACE EXISTING CASTING

Notes:

1. See sheet SD02 detail 3-03 for manhole casting replacement and collar repair
2. See sheet SD02 detail 3-04 for cleanout replacement
3. Adjust settled manhole castings to finished grade as needed.
4. Inspection of each location is required prior to re-construction.





**SANITARY SEWER
MANHOLE COLLAR DETAILS
CLEANOUT DETAILS**

2025 SANITARY SEWER
PIPE BURSTING AND CIPP
MAIN REPLACEMENT

PW 2025-04



DESIGNED BY: P. PAGE

DRAWN BY: C. TORSTVET

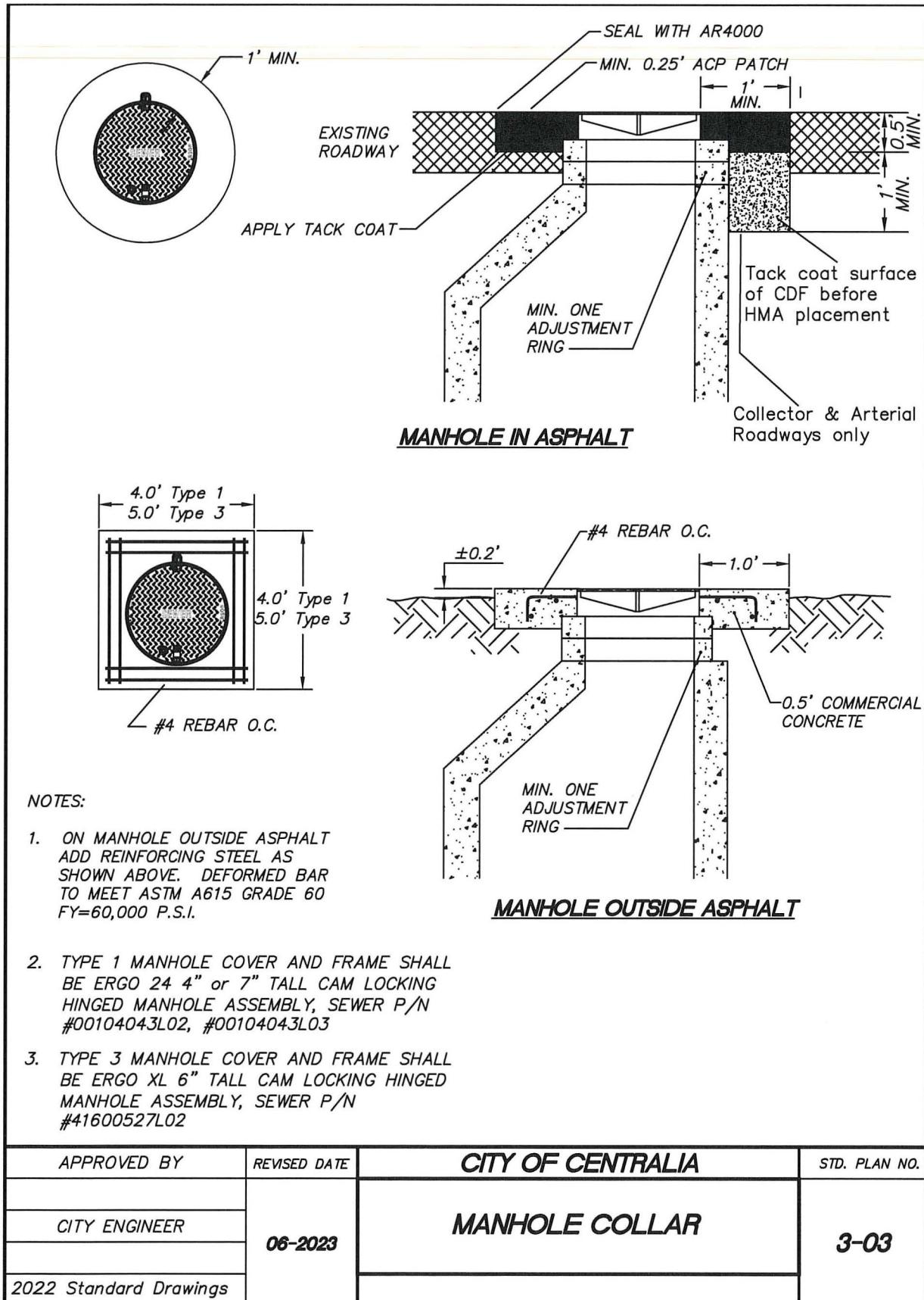
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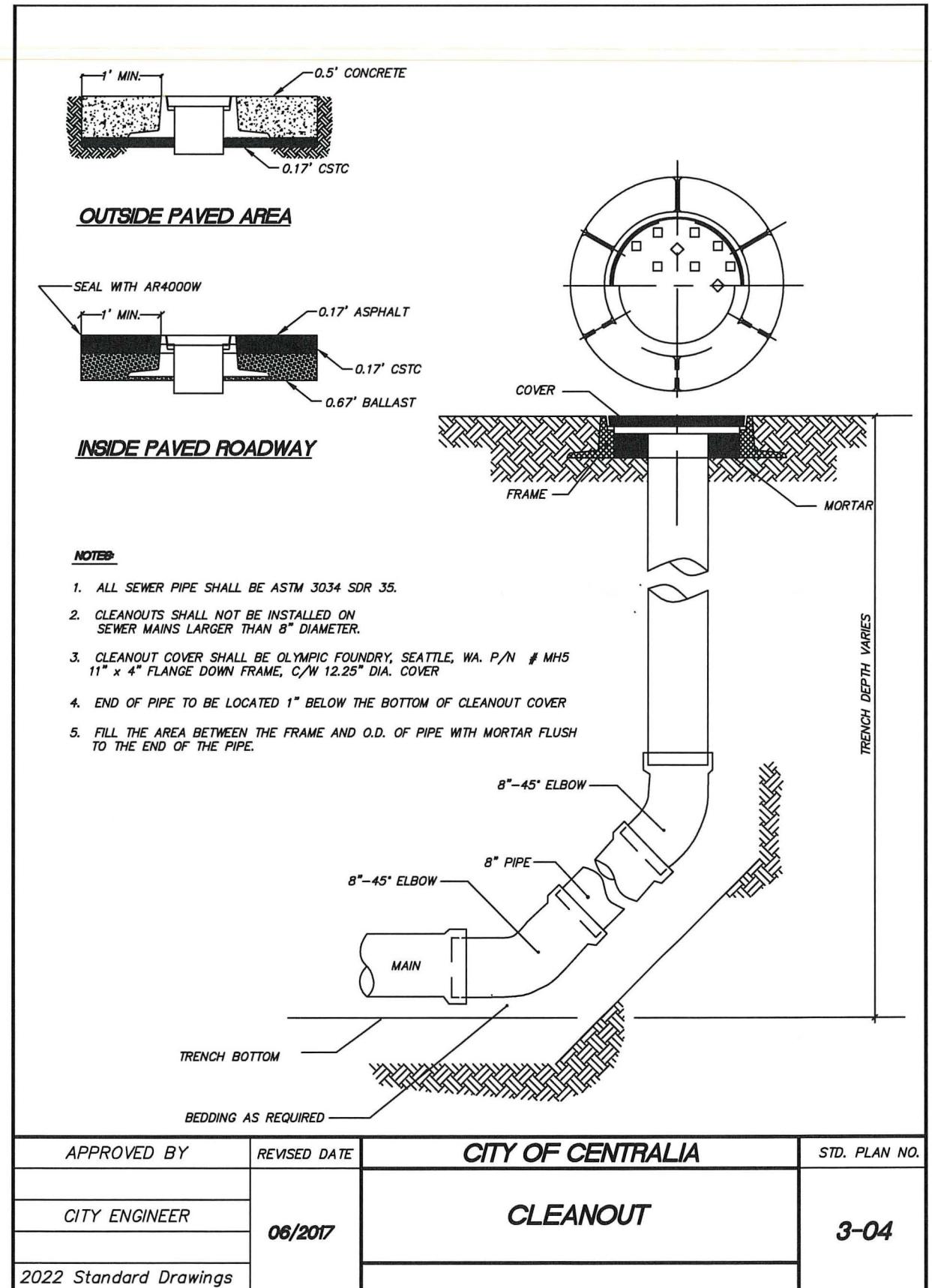
April, 2025

SD02

19 OF 25



DETAIL
N.T.S.
3-03
SD02



DETAIL
N.T.S.
3-04
SD02

19 OF 25

**SANITARY SEWER
TYPICAL
INSERTION PIT DETAILS**

2025 SANITARY SEWER
PIPE BURSTING AND CIPP
MAIN REPLACEMENT

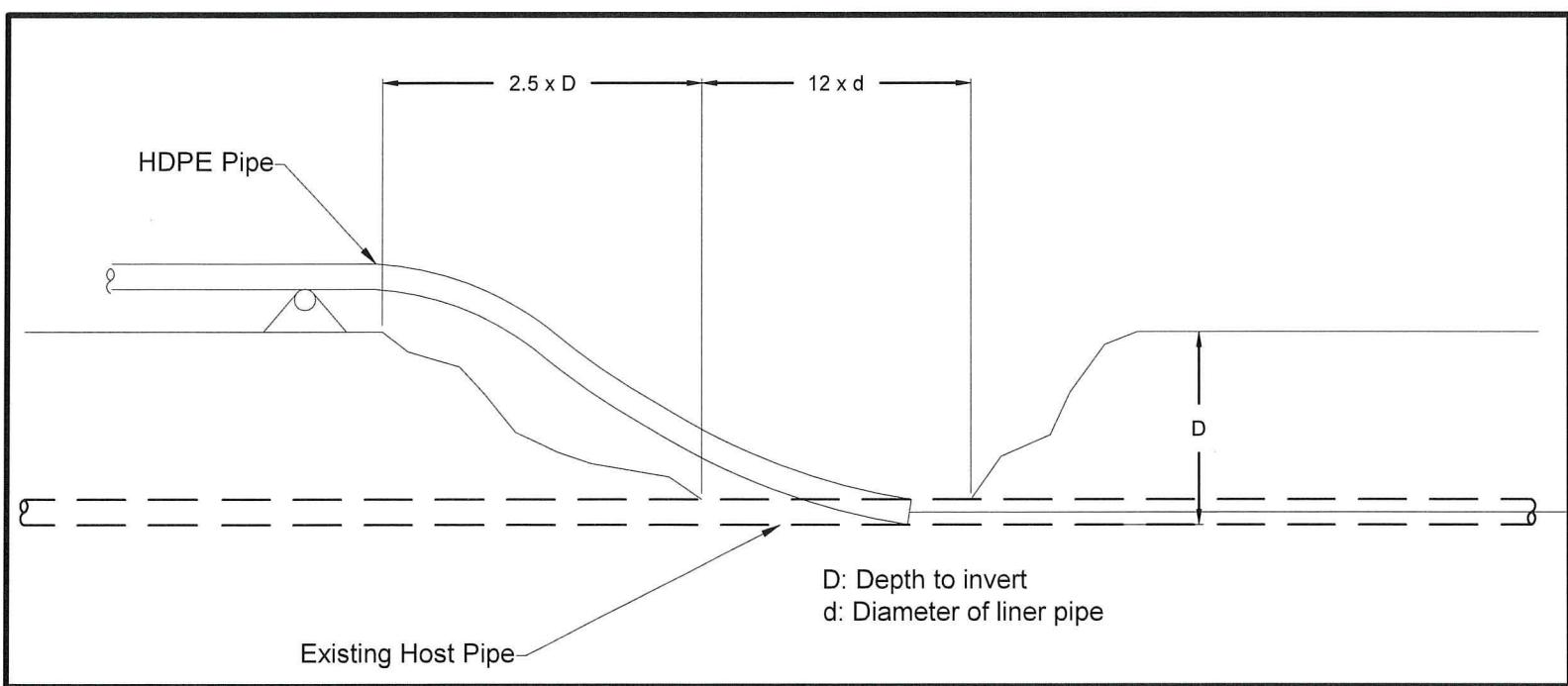
PW 2025-04



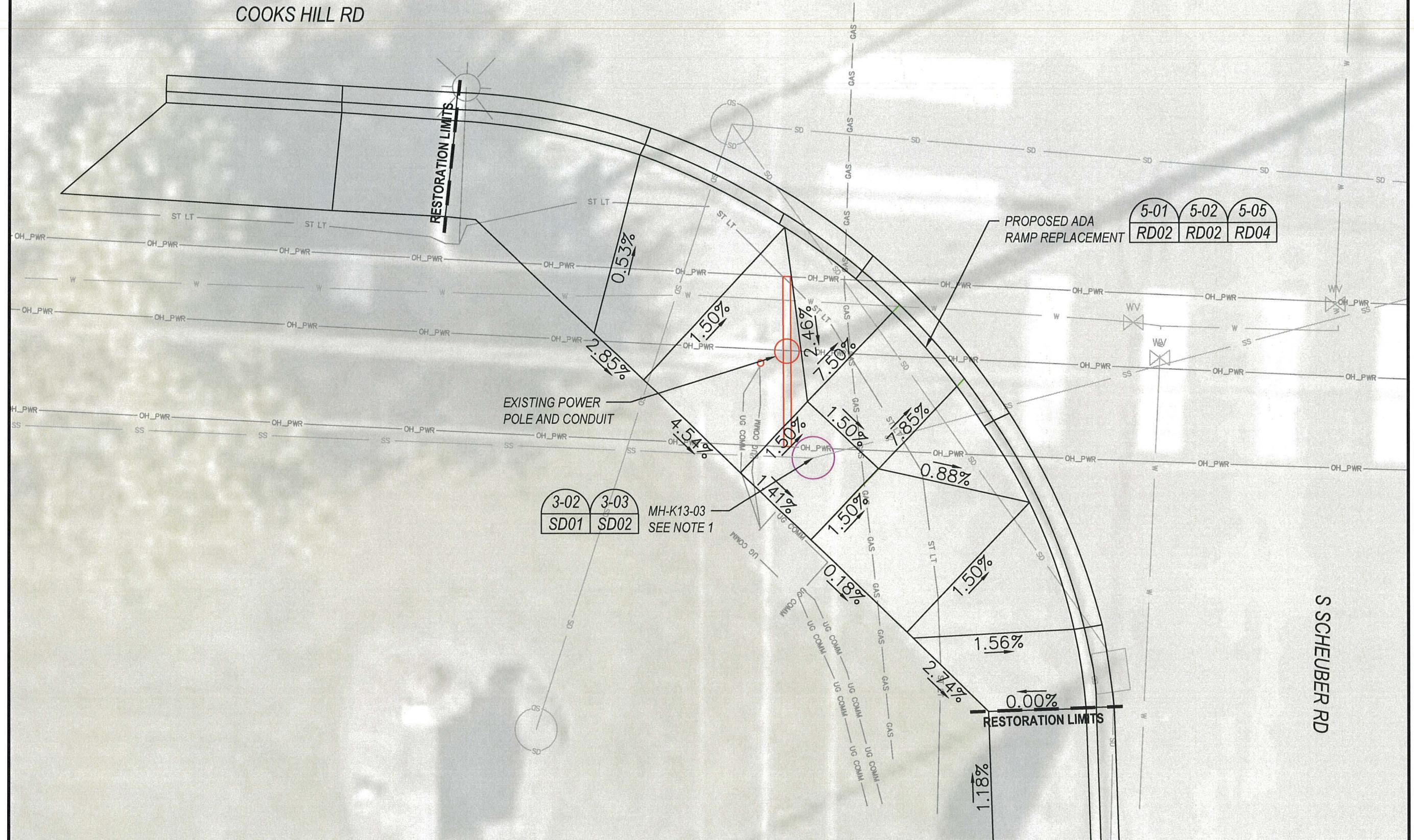
DESIGNED BY: P. PAGE
DRAWN BY: C. TORSTVET
SURVEYED BY: C. TORSTVET
CHECKED BY: P. PAGE
April, 2025

SD03

20 OF 25



COOKS HILL RD



ADA - SW CORNER

Plan View

1
R01

Notes:

1. Orientation of existing MH-K13-03 is unknown. Adjustment to manhole cone may be necessary to avoid conflict with proposed ADA Ramp
2. Maintain 4' Minimum clearance for pedestrian access behind power pole and conduit. Adjust forms as needed.
3. Inspection required before placement.

**ITY OF CENTRALIA
PUBLIC WORKS
ENGINEERING DEPT.**

1100 N. TOWER AVE
CENTRALIA, WA 98531
P: 360.330.7512 F: 360.330.7516
CITYOFCENTRALIA.COM

ADA AND SIDEWALK RESTORATION

2025 SANITARY SEWER PIPE BURSTING AND CIPP MAIN REPLACEMENT



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SURVEYED BY: C. TORSTVET

CHECKED BY P. PAGE

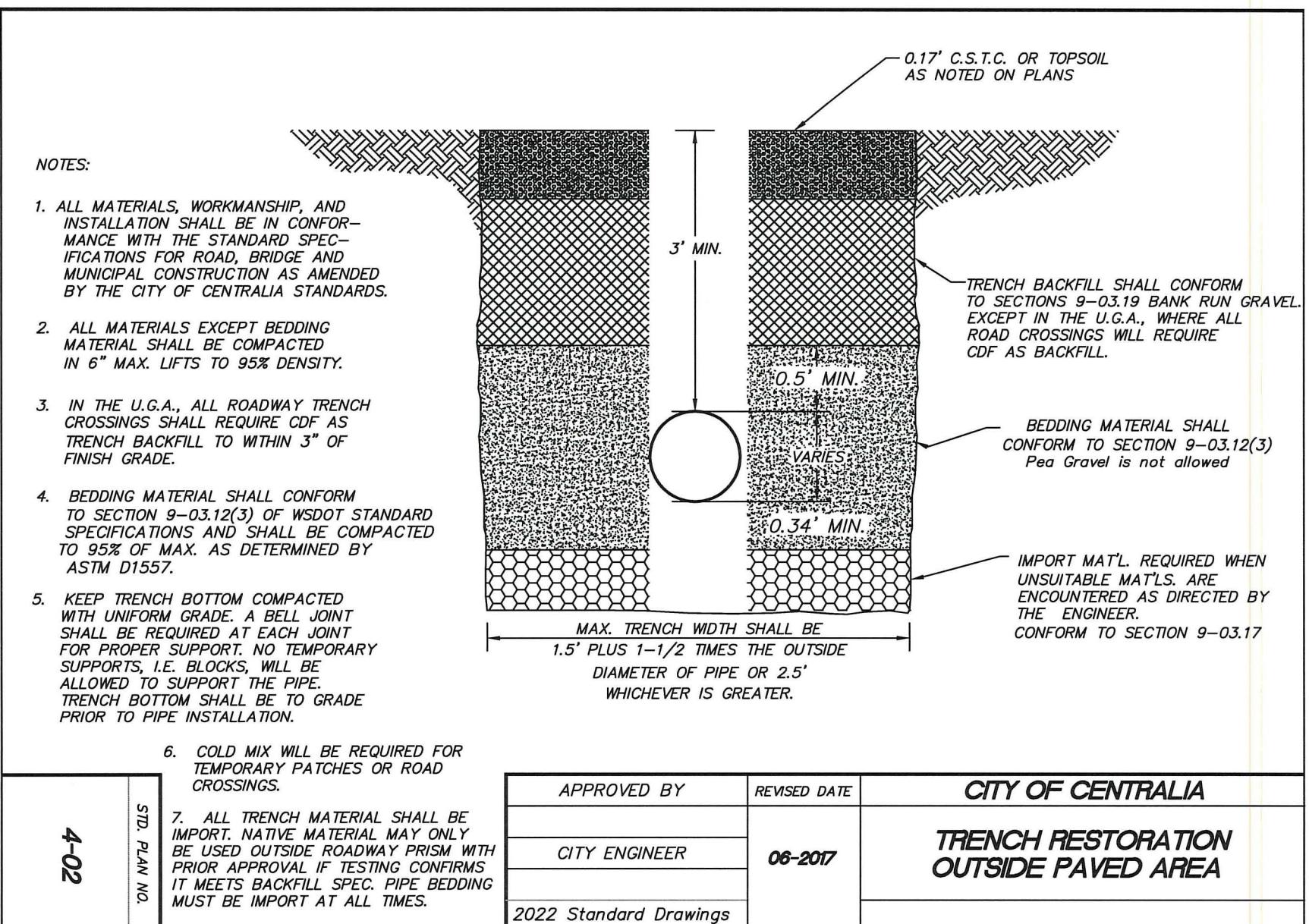
April, 2025

R01

21 OF 25

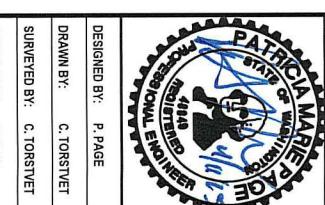
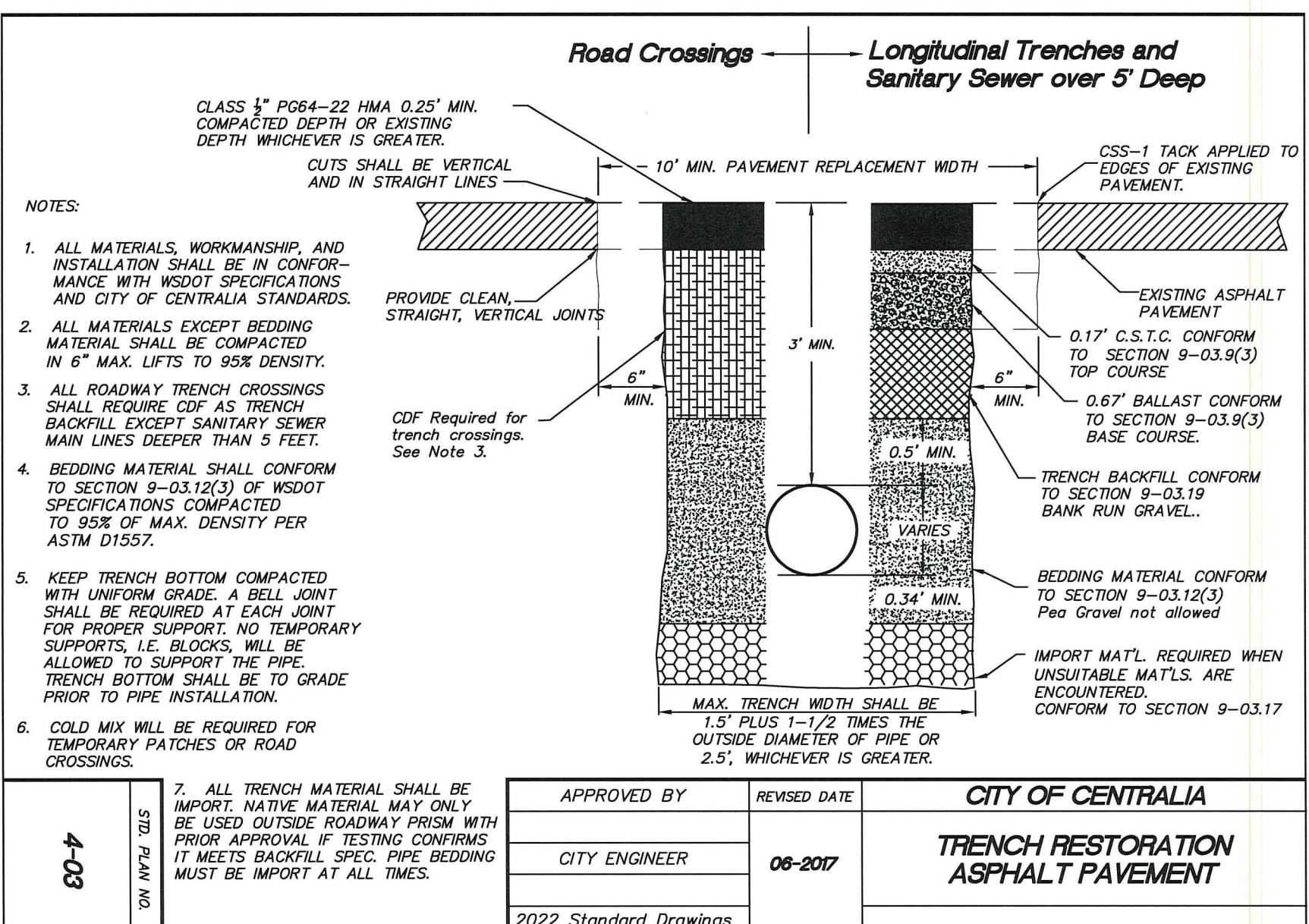
DETAIL
N.T.S.

4-02
RD01



DETAIL
N.T.S.

4-03
RD01



**SIDEWALK & CURB
SIDEWALK DETAIL
CURB AND GUTTER DETAIL**

2025 SANITARY SEWER
PIPE BURSTING AND CIPP
MAIN REPLACEMENT

PW 2025-04



DESIGNED BY: P. PAGE

DRAWN BY: C. TORSTVET

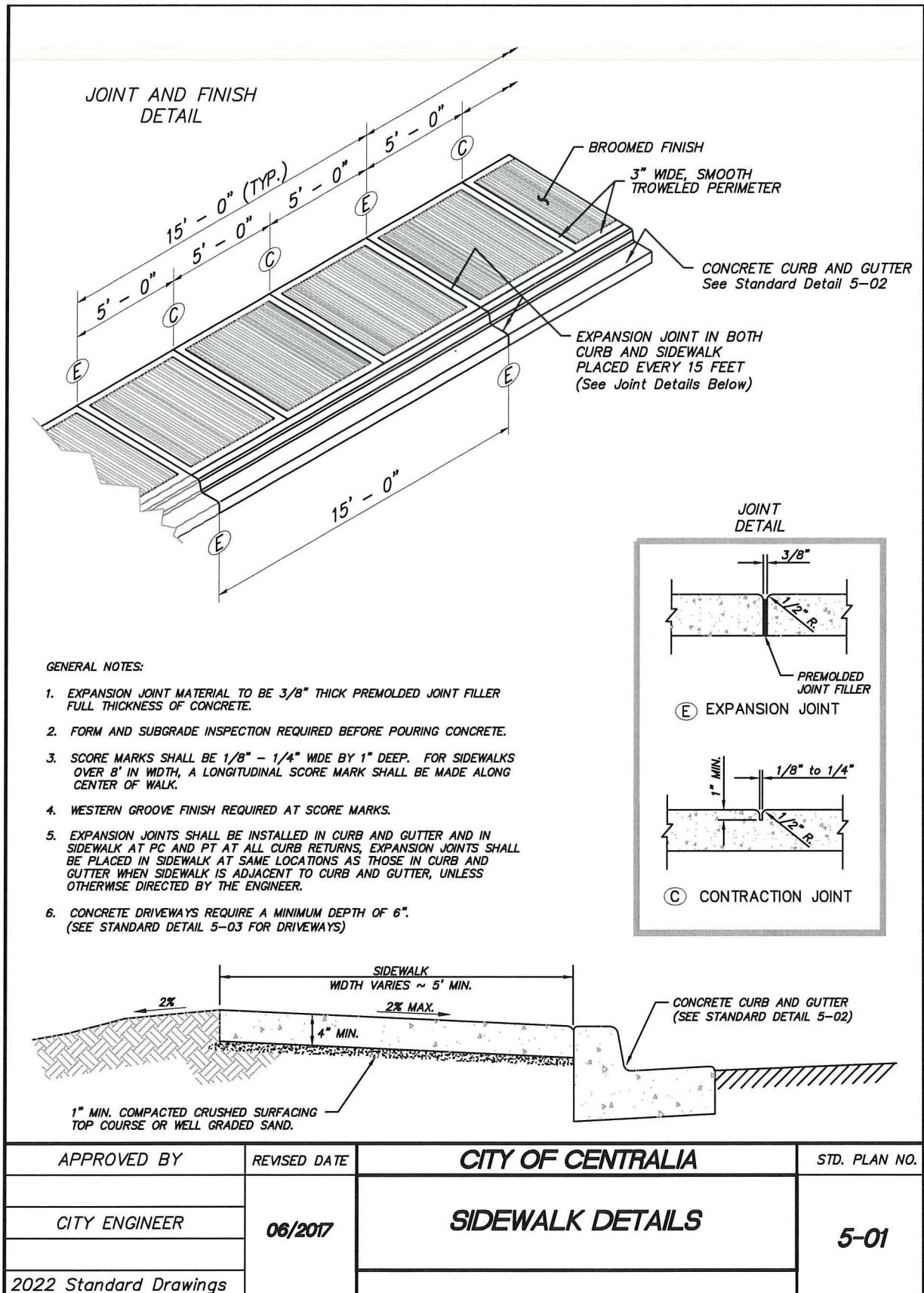
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CHECKED BY: P. PAGE

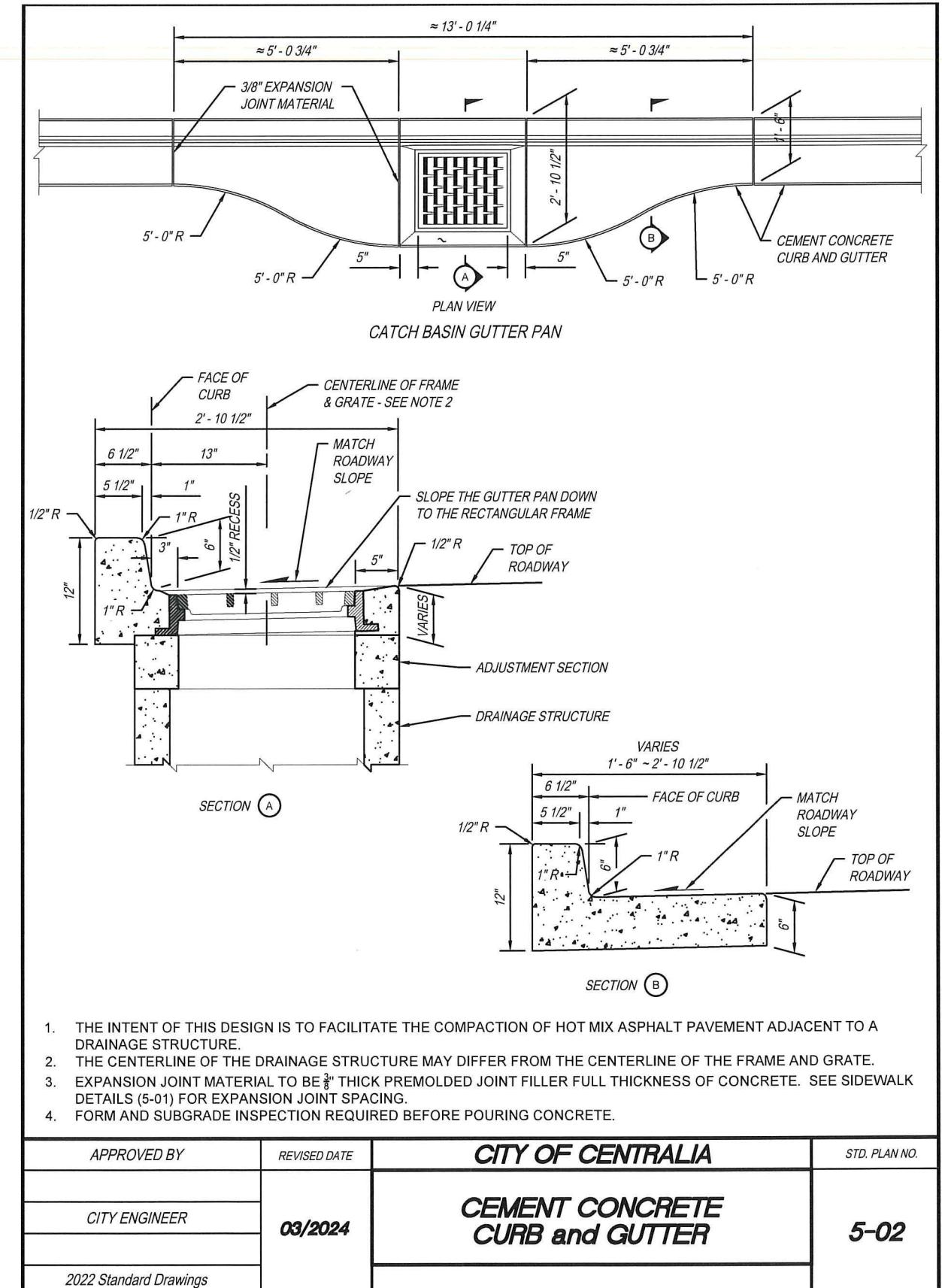
April, 2025

RD02

23 OF 25



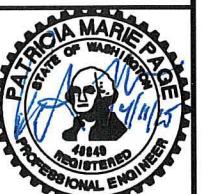
DETAIL
N.T.S.
5-01
RD02



DETAIL
N.T.S.
5-02
RD02

**SIDEWALK & CURB
SIDEWALK RAMP TYPE 1
WITH LAYOUTS**

2025 SANITARY SEWER
PIPE BURSTING AND CIPP
MAIN REPLACEMENT
PW 2025-04



DESIGNED BY: P. PAGE

DRAWN BY: C. TORSTVET

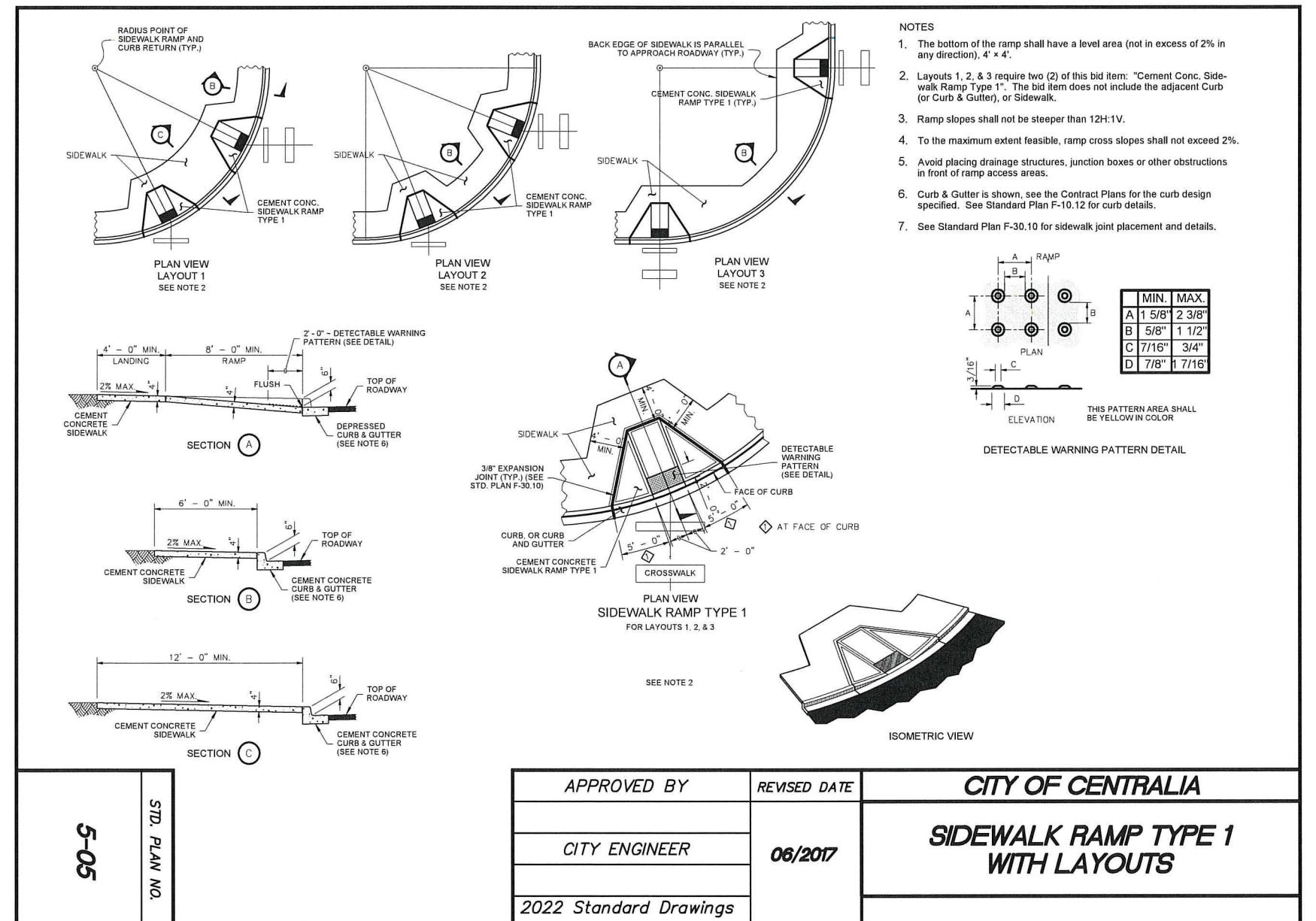
SURVEYED BY: C. TORSTVET

CHECKED BY: P. PAGE

April, 2025

RD04

25 OF 25



DETAIL
N.T.S.
5-05
RD04