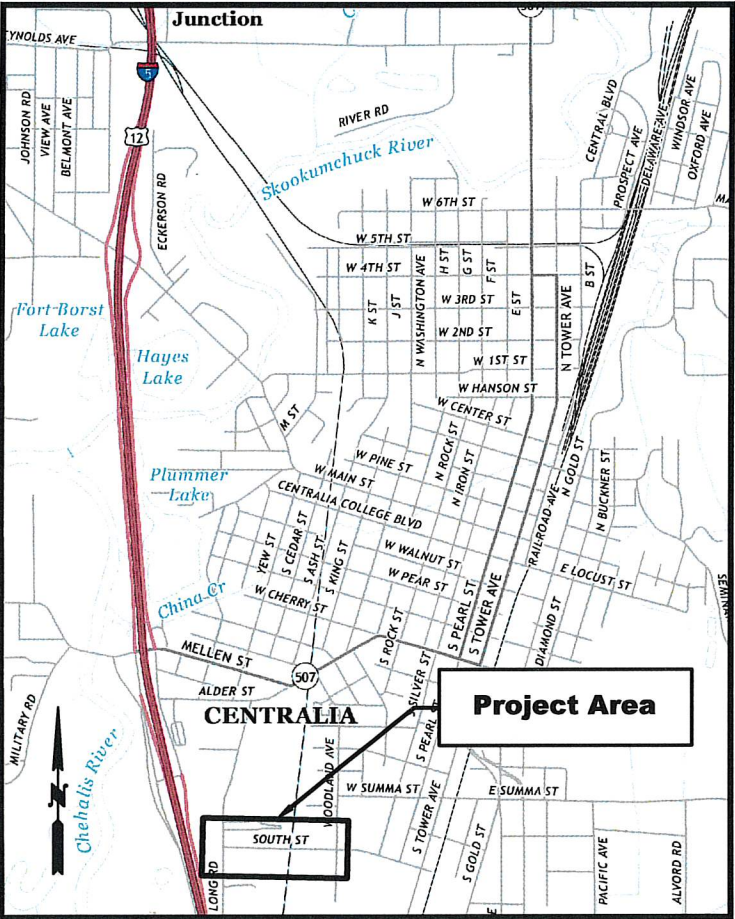


CITY OF CENTRALIA
S YEW ST AND SOUTH ST IMPROVEMENTS
PW 2025-07

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



VICINITY MAP

GENERAL				WATER DETAILS							
G01 COVER SHEET				WD01 GENERAL NOTES				SD02 OUTSIDE PAVEMENT RESTORATION 4-02			
				WD02 HYDRANT DETAIL 2-12				ASPHALT RESTORATION 4-03			
				VALVE BOX DETAIL 2-09				SD03 ROAD SECTION FUNCTIONALLY CLASSIFIED COLLECTOR 4-08			
DEMOLITION				WD03 TYPICAL METER DETAIL 2-01				MODIFIED ROAD SECTION LOCAL ACCESS WITH SWALE			
DM01	STA 1+00 TO 3+75	S YEW ST	PLAN	3/4" METER DETAIL 2-02				SD04 MODIFIED ROAD SECTION LOCAL ACCESS			
DM02	STA 3+75 TO 6+50	S YEW ST	PLAN	WD04 THRUST BLOCKING DETAIL 2-10				SD05 DRIVEWAY TYPE 1			
DM03	STA 100+00 TO 102+75	SOUTH ST	PLAN	THRUST LOAD DETAIL 2-18				DRIVEWAY TYPE 2			
DM04	STA 102+75 TO 105+50	SOUTH ST	PLAN					SD06 SIDEWALK 5-01			
DM05	STA 105+50 TO 108+25	SOUTH ST	PLAN					CURB AND GUTTER 5-02			
DM06	STA 108+25 TO 111+00	SOUTH ST	PLAN	LIGHTING				SD07 SIGN INSTALLATION			
DM07	STA 111+00 TO 113+75	SOUTH ST	PLAN	LT01	STA 1+00 TO 3+75	YEW ST	PLAN	SURVEY MONUMENT 4-04			
DM08	STA 113+75 TO 116+00	SOUTH ST	PLAN	LT02	STA 3+75 TO 6+50	YEW ST	PLAN	SD08 RAILROAD MARKINGS			
DM09	STA 116+00 TO 117+50	SOUTH ST	PLAN	LT03	STA 100+00 TO 102+75	SOUTH ST	PLAN	SD09 CROSSWALK MARKINGS			
DM10	WOODLAND STORM POND		PLAN	LT04	STA 102+75 TO 105+50	SOUTH ST	PLAN	SKIP WITH RPM			
DM11	STA 200+00 TO 202+75	WOODLAND AVE	PLAN	LT05	STA 105+50 TO 108+25	SOUTH ST	PLAN	SD10 TYPE 1 MAILBOX			
DM12	STA 202+75 TO 205+50	WOODLAND AVE	PLAN	LT06	STA 108+25 TO 111+00	SOUTH ST	PLAN	TYPE 2 MAILBOX			
DM13	STA 205+50 TO 208+25	WOODLAND AVE	PLAN	LT07	STA 111+00 TO 113+75	SOUTH ST	PLAN				
DM14	STA 208+25 TO 211+00	WOODLAND AVE	PLAN	LT08	STA 113+75 TO 116+00	SOUTH ST	PLAN				
				LT09	STA 204+00 TO 206+75	WOODLAND AVE	PLAN				
				LT10	STA 206+75 TO 209+50	WOODLAND AVE	PLAN				
GRADING AND DRAINAGE				LIGHTING DETAILS				SEWER			
GD01	STA 1+00 TO 3+75	S YEW ST	PLAN AND PROFILE	LD01 GENERAL NOTES				G-001 COVER			
GD02	STA 3+75 TO 6+50	S YEW ST	PLAN AND PROFILE	LD02 STREET LIGHT FOUNDATION DETAIL 7-01				G-002 GENERAL NOTES AND LEGEND			
GD03	STA 100+00 TO 102+75	SOUTH ST	PLAN AND PROFILE	STREET LIGHT POLE DETAIL DETAIL 7-03				G-003 SURVEY CONTROL AND KEYMAP			
GD04	STA 102+75 TO 105+50	SOUTH ST	PLAN AND PROFILE					G-004 CIVIL ABBREVIATIONS AND NOTES			
GD05	STA 105+50 TO 108+25	SOUTH ST	PLAN AND PROFILE					G-005 CIVIL LEGEND			
GD06	STA 108+25 TO 111+00	SOUTH ST	PLAN AND PROFILE					G-006 CIVIL DETAILS - 1			
GD07	STA 111+00 TO 113+75	SOUTH ST	PLAN AND PROFILE					G-007 CIVIL DETAILS - 2			
GD08	STA 113+75 TO 116+00	SOUTH ST	PLAN AND PROFILE					G-008 CIVIL DETAILS - 3			
GD09	STA 116+00 TO 117+50	SOUTH ST	PLAN AND PROFILE					C-201 GRAVITY LINE STA 1+00 TO 3+50			
GD10	STA 200+00 TO 202+75	WOODLAND AVE	PLAN AND PROFILE					PLAN AND PROFILE			
GD10	STA 202+75 TO 205+00	WOODLAND AVE	PLAN AND PROFILE					C-202 GRAVITY LINE STA 3+50 TO 8+00			
								PLAN AND PROFILE			
								C-203 GRAVITY LINE STA 8+00 TO 12+00			
								PLAN AND PROFILE			
								C-204 GRAVITY LINE STA 12+00 TO 16+00			
								PLAN AND PROFILE			
								C-205 GRAVITY LINE STA 16+00 TO END			
								PLAN AND PROFILE			
								C-206 TRENCHLESS CROSSING AND MONITORING PLAN			
								C-207 TRENCHLESS CROSSING NOTES AND DETAILS			
STORM DETAILS								PRIMARY POWER			
DD01	GENERAL NOTES							E1001 COVER			
	TYPE-1 CATCH BASIN OUTSIDE PAVEMENT DETAIL 9-02							E1002A PROJECT OVERVIEW WEST OF RAILROAD			
DD02	TYPE-1 CATCH BASIN IN PAVEMENT DETAIL 9-01							E1002B PROJECT OVERVIEW EAST OF RAILROAD			
	INLET PROTECTION DETAIL 9-06							E1003 CABLE DIAGRAM			
DD03	SWALE DETAIL 9-13							E1004 CONDUIT DIAGRAM			
	GRASS SEED DETAIL 9-12							E1005 DESIGN TABLES			
DD04	OUTFALL DETAIL							E1006 DETAILED DRAWINGS			
	SPILLWAY OVERFLOW										
WATER				STREET DETAILS							
WT01	STA 0+00 TO 2+75	YEW ST	PLAN	SD01 STREET GENERAL NOTES							
WT02	STA 2+75 TO 5+50	YEW ST	PLAN	SIGN SCHEDULE							
WT03	STA 10+00 TO 12+65	SOUTH ST	PLAN								

SHEET INDEX

EXISTING:			PROPOSED:		
— ROAD CENTER LINE	— D — STORM MAIN	✱ CONIFEROUS TREE	REMOVE EXISTING ASPHALT	REMOVE EXISTING CONCRETE	TYPE 1 CATCH BASIN
— FENCE	— W — WATER MAIN	— SIGN	2" CSTC ROAD SECTION	2" CSTC ROAD SECTION	TYPE 2 CATCH BASIN
— RIGHT OF WAY	— S — SEWER MANHOLE	— SURVEY MONUMENT	16" CSBC FUNCTIONALLY CLASSIFIED	8" CSBC MODIFIED LOCAL ACCESS	— STREET LIGHT
— SS — SEWER MAIN	— D — STORM MANHOLE	— DOWN GUY			— JBOX
— GAS — GAS	— WM — WATER METER	— UTILITY POLE			— THRUST BLOCK
— OH PWR — OVERHEAD POWER	— V — WATER VALVE	— STREET LIGHT CONTROLLER			— WATER METER
— UG PWR — UNDERGROUND POWER	— S — SHRUB/SMALL TREE				— WATER VALVE
— ST LT — STREET LIGHT	— D — DECIDUOUS TREE				

LEGEND

COVER

S YEW ST AND SOUTH ST
IMPROVEMENTS

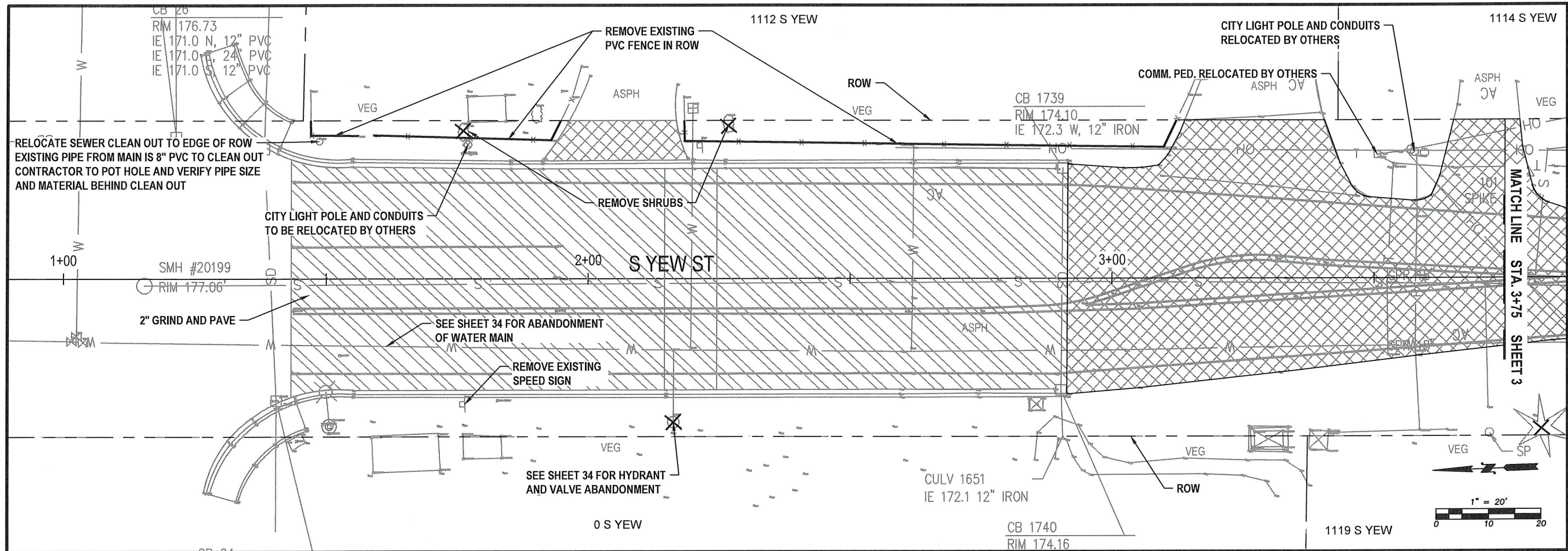
PW 2025-07



DESIGNED BY: P. PAGE
DRAWN BY: J. DEBUSK
SURVEYED BY: J. DEBUSK
CHECKED BY: P. PAGE

May, 2025

G01



YEW ST - DEMOLITION
STA 1+00 TO 3+75
PLAN VIEW

ESTIMATED QUANTITIES (THIS SHEET)	
	2" GRIND AND PAVE 692 SY
	REMOVE ASPHALT 35 CY

NOTES:

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5. CONTRACTOR TO COORDINATE ACCESS TO PROPERTIES DURING CONSTRUCTION. NOTIFY ADJACENT PROPERTY OWNERS A MINIMUM OF 48 HOURS PRIOR TO ACCESS IMPACTS.
6. FENCES, BLOCKS AND ANY OTHER LANDSCAPE MATERIALS IN THE RIGHT OF WAY REQUIRED TO BE REMOVED TO COMPLETE THE WORK SHALL BE PLACED NEATLY ON THE ADJACENT PROPERTY. USE CARE WHEN REMOVING. TAKE PICTURES BEFORE/AFTER REMOVAL AND PROVIDE TO THE ENGINEER.
7. PROTECT ALL LANDSCAPE AREAS OUTSIDE OF THE WORK AREA. RESTORE WITH TOPSOIL/SEED UNLESS OTHERWISE NOTED.
8. INSTALL INLET PROTECTION IN EXISTING CATCH BASINS PRIOR TO COMMENCING WORK.
9. THE CONTRACTOR MAY COORDINATE WITH OTHER ADJACENT PROPERTY OWNERS FOR DISPOSAL OF TREES. HOWEVER, THE TREES, LIMBS, AND ALL OTHER DEBRIS SHALL BE REMOVED FROM THE RIGHT OF WAY AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TEMPORARY REGULATORY SIGNAGE ONCE EXISTING SIGNAGE HAS BEEN REMOVED.

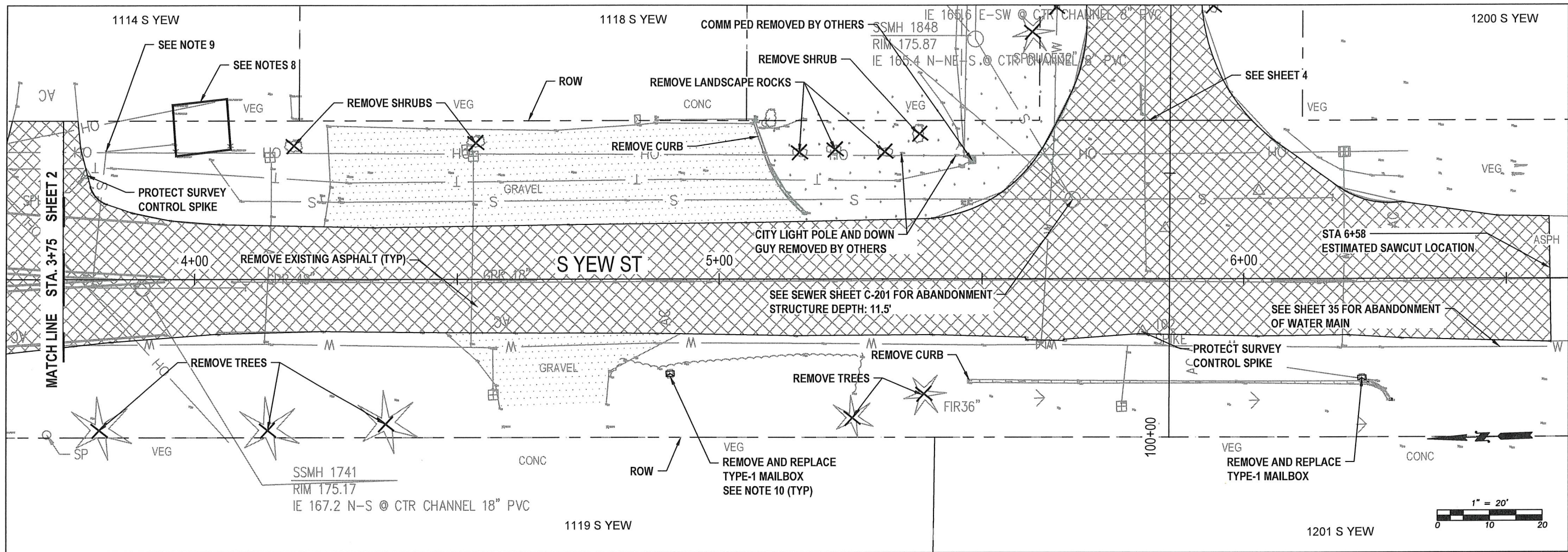
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CITY OF CENTRALIA.COM

YEW ST
DEMOLITION
PLAN VIEW
STA 1+00 TO 3+75

S YEW ST AND SOUTH ST
IMPROVEMENTS
PW 2025-07

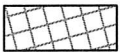
DESIGNED BY: P. PAGE
DRAWN BY: J. DEBUSK
SURVEYED BY: J. DEBUSK
CHECKED BY: P. PAGE
May, 2025

DM01
2 OF 99



YEW ST - DEMOLITION
STA 3+75 TO 6+50
PLAN VIEW

ESTIMATED QUANTITIES (THIS SHEET)



REMOVE ASPHALT
68 CY (S YEW ONLY)

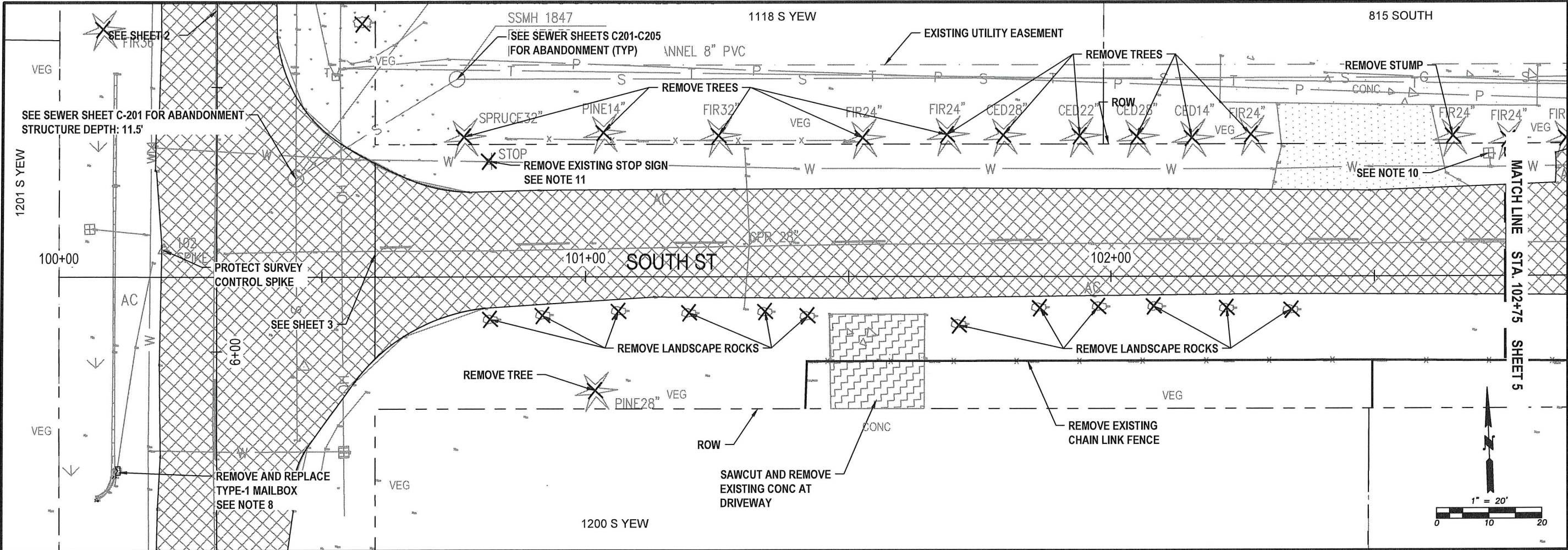
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7. PROTECT ALL LANDSCAPE AREAS OUTSIDE OF THE WORK AREA. RESTORE WITH TOPSOIL/SEED UNLESS OTHERWISE NOTED.
8. AFTER COMPLETION OF NEW SEWER MAIN, ABANDON EXISTING WET WELL MANHOLE PER WSDOT SPEC 7-05.3(2). THE CHAIN LINK FENCING, WET WELL LID, CONTROL PANEL AND PUMP SHALL BE PROTECTED AND RETURNED TO THE WASTEWATER DEPARTMENT. COORDINATE WITH THE CITY INSPECTOR. ALSO SEE SEWER SHEETS C-201 TO C205 FOR SEWER ABANDONMENT.
9. AFTER COMPLETION OF NEW SEWER MAIN, ABANDON WET WELL CONNECTION TO LATERAL BY REMOVING 6" X 4" TEE AND CAP 6" WITH GASKETED CAP. ALSO SEE SEWER SHEETS C-201 TO C205 FOR SEWER ABANDONMENT.
10. NEW TYPE-1 AND TYPE-2 MAILBOXES AND POST PER WSDOT DETAIL SHEET 76. COORDINATE WITH CITY INSPECTOR AND CENTRALIA US POSTAL SERVICE FOR EXACT PLACEMENT.
11. THE CONTRACTOR MAY COORDINATE WITH OTHER ADJACENT PROPERTY OWNERS FOR DISPOSAL OF TREES. HOWEVER, THE TREES, LIMBS, AND ALL OTHER DEBRIS SHALL BE REMOVED FROM THE RIGHT OF WAY AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TEMPORARY REGULATORY SIGNAGE ONCE EXISTING SIGNAGE HAS BEEN REMOVED.



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DRAWN BY: J. DEBUSK
SURVEYED BY: J. DEBUSK
CHECKED BY: P. PAGE
May, 2025

DM02



SOUTH ST - DEMOLITION
STA 100+00 TO 102+75
PLAN VIEW

ESTIMATED QUANTITIES (THIS SHEET)	
	REMOVE CONCRETE 4 CY
	REMOVE ASPHALT 42 CY (SOUTH ST ONLY)

- NOTES:
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 - CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TEMPORARY REGULATORY SIGNAGE ONCE EXISTING SIGNAGE HAS BEEN REMOVED.
 - REPLACE EXISTING 3/4" WATER SERVICE AND SERVICE LINE TO THE CORP. POT HOLE EXISTING TO VERIFY FITTINGS NEEDED. INSTALL AT BACK OF NEW SIDEWALK. SEE SHEET 39 FOR DETAILS.
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CITY OF CENTRALIA
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CITY OF CENTRALIA.COM

SOUTH ST
DEMOLITION
PLAN VIEW

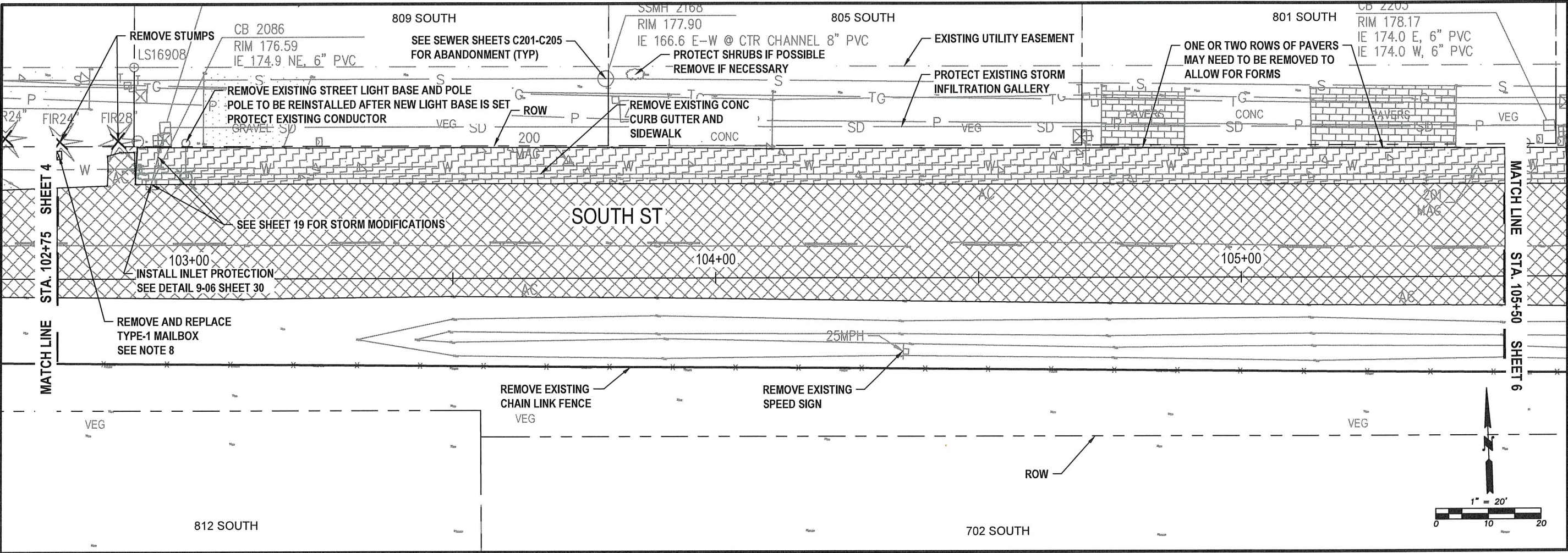
STA 100+00 TO 102+75

S YEW ST AND SOUTH ST
IMPROVEMENTS

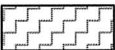

PW 2025-07

DESIGNED BY: P. PAGE
DRAWN BY: J. DEBUSK
SURVEYED BY: J. DEBUSK
CHECKED BY: P. PAGE
May, 2025

DM03
4 OF 99



SOUTH ST - DEMOLITION
STA 102+75 TO 105+50
PLAN VIEW

ESTIMATED QUANTITIES (THIS SHEET)	
	REMOVE CONCRETE 28 CY
	REMOVE ASPHALT 57 CY

NOTES:

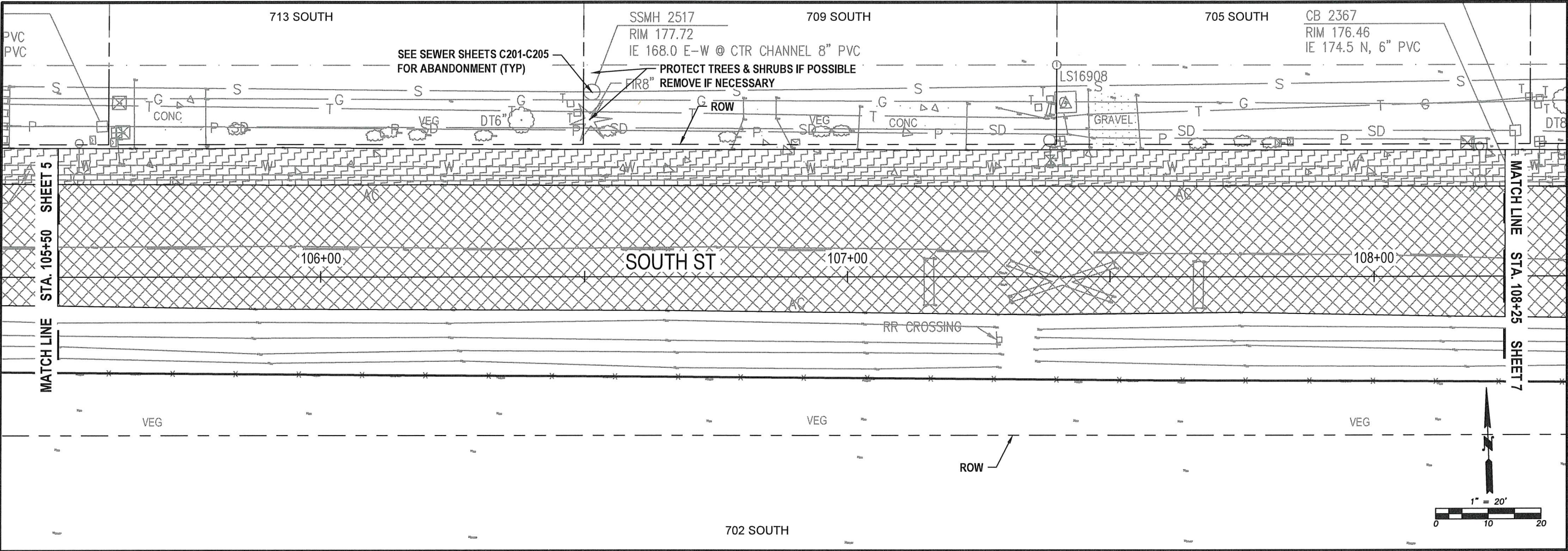
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DM04



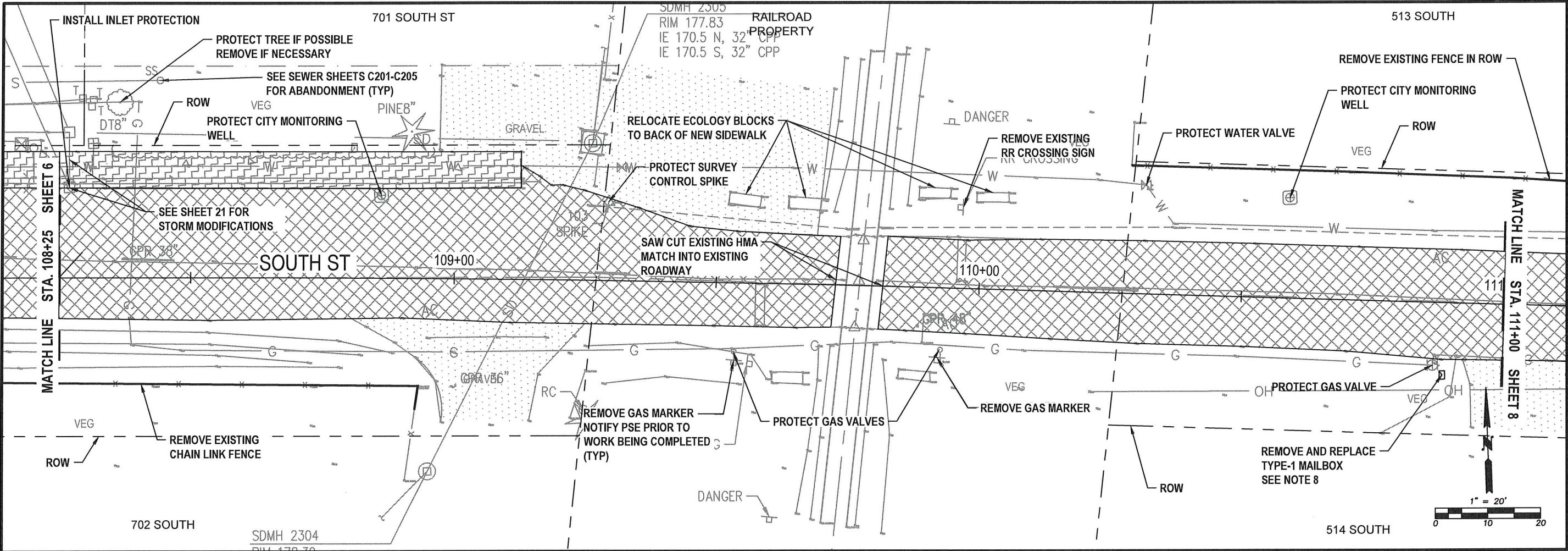
**SOUTH ST - DEMOLITION
STA 105+50 TO 108+25
PLAN VIEW**

ESTIMATED QUANTITIES (THIS SHEET)	
	REMOVE CONCRETE 30 CY
	REMOVE ASPHALT 61 CY

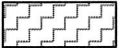

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May, 2025	



SOUTH ST - DEMOLITION
STA 108+25 TO 111+00
PLAN VIEW

ESTIMATED QUANTITIES (THIS SHEET)	
	REMOVE CONCRETE 10 CY
	REMOVE ASPHALT 54 CY

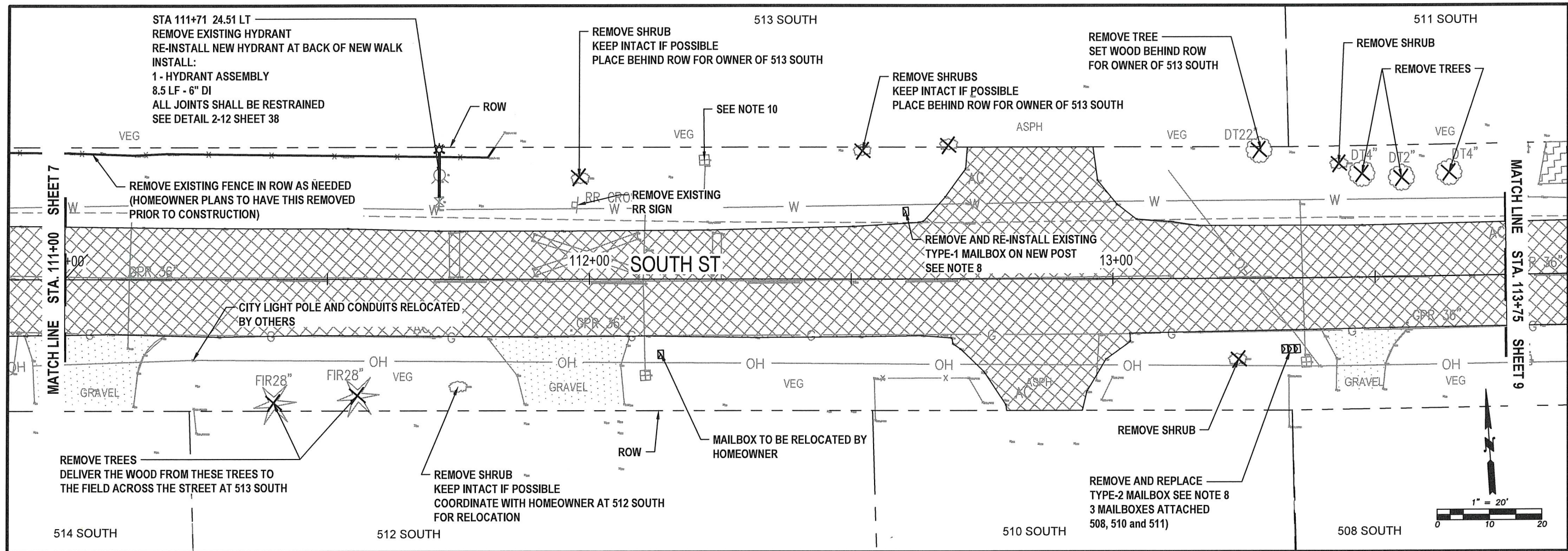
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DM06



SOUTH ST - DEMOLITION
STA 111+00 TO 113+75
PLAN VIEW

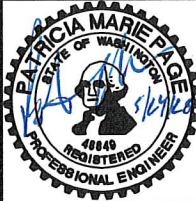
ESTIMATED QUANTITIES (THIS SHEET)



REMOVE ASPHALT
60 CY

NOTES:

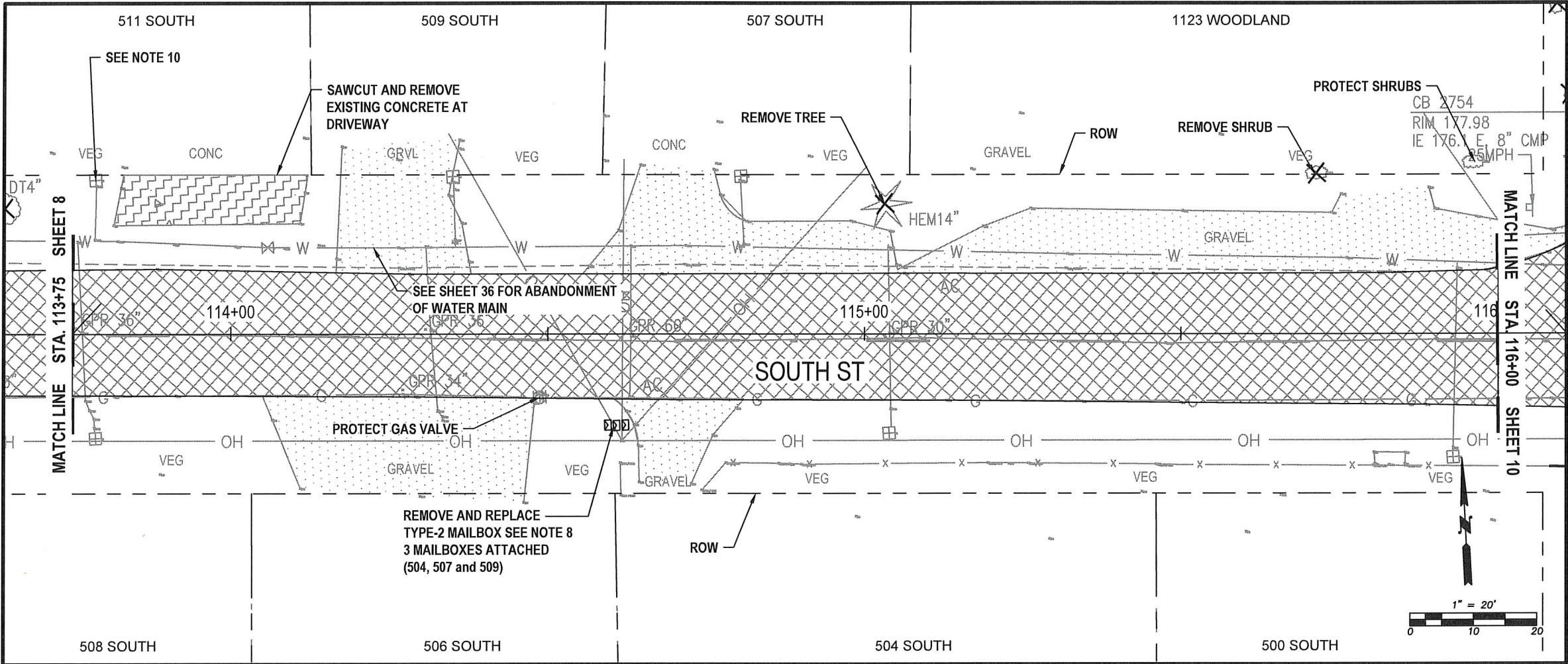
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5. CONTRACTOR TO COORDINATE ACCESS TO PROPERTIES DURING CONSTRUCTION. NOTIFY ADJACENT PROPERTY OWNERS A MINIMUM OF 48 HOURS PRIOR TO ACCESS IMPACTS.
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8. NEW TYPE-1 AND TYPE-2 MAILBOXES AND POST PER WSDOT DETAIL SHEET 76. COORDINATE WITH CITY INSPECTOR AND CENTRALIA US POSTAL SERVICE FOR EXACT PLACEMENT.
9. THE CONTRACTOR MAY COORDINATE WITH OTHER ADJACENT PROPERTY OWNERS FOR DISPOSAL OF TREES. HOWEVER, THE TREES, LIMBS, AND ALL OTHER DEBRIS SHALL BE REMOVED FROM THE RIGHT OF WAY AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
10. REPLACE EXISTING 3/4" WATER SERVICE AND SERVICE LINE TO THE CORP. POT HOLE EXISTING TO VERIFY FITTINGS NEEDED. INSTALL AT BACK OF NEW SIDEWALK. SEE SHEET 39 FOR DETAILS.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TEMPORARY REGULATORY SIGNAGE ONCE EXISTING SIGNAGE HAS BEEN REMOVED.



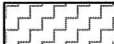

DESIGNED BY:	P. PAGE
DRAWN BY:	J. DEBUSK
SURVEYED BY:	J. DEBUSK
CHECKED BY:	P. PAGE

May, 2025

DM07



SOUTH ST - DEMOLITION
STA 113+75 TO 116+00
PLAN VIEW

ESTIMATED QUANTITIES (THIS SHEET)	
	REMOVE CONCRETE 4 CY
	REMOVE ASPHALT 42 CY

NOTES:

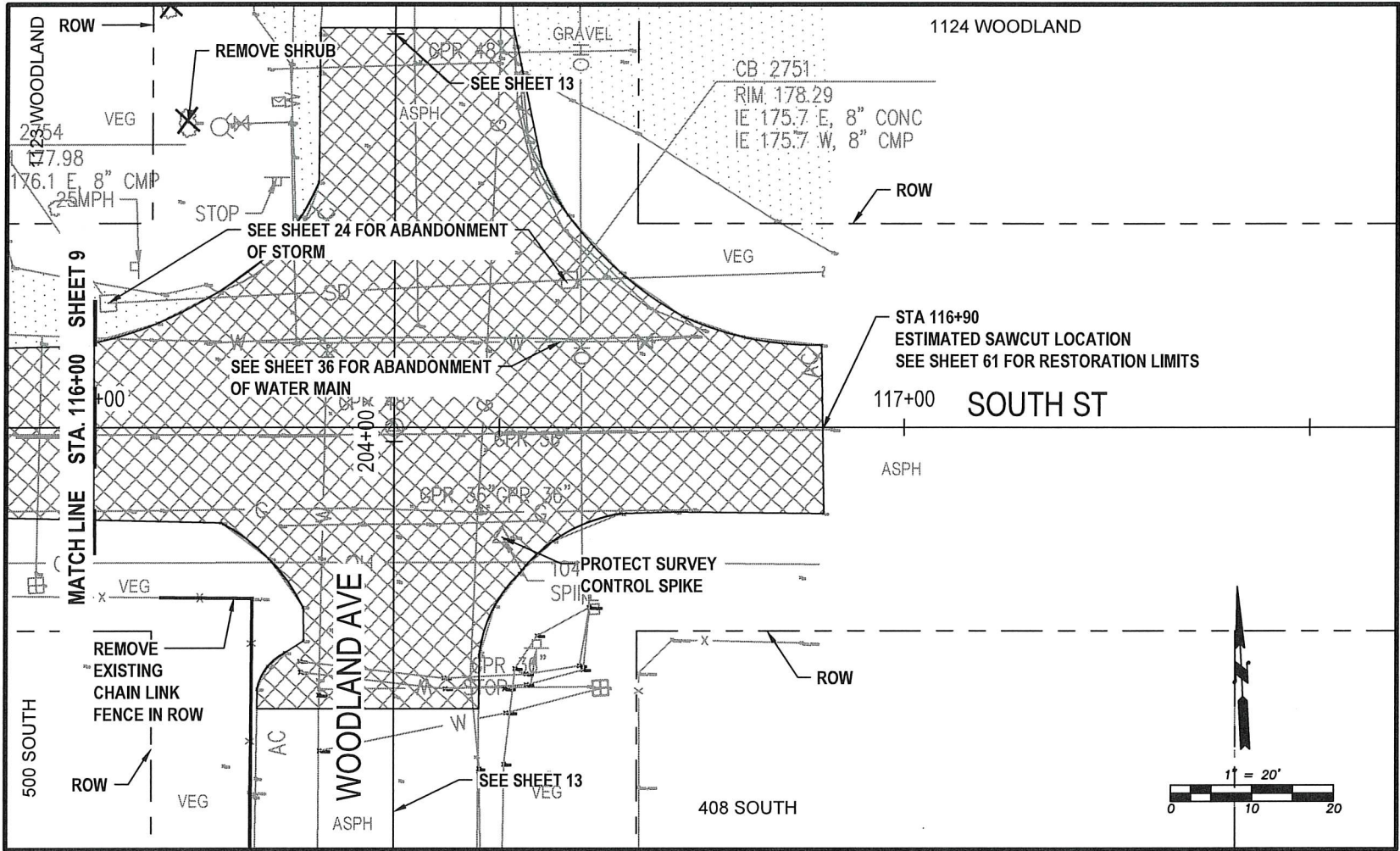
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DESIGNED BY:	P. PAGE
DRAWN BY:	J. DEBUSK
SURVEYED BY:	J. DEBUSK
CHECKED BY:	P. PAGE

May, 2025

DM08



SOUT ST - DEMOLITION
STA 116+00 TO 117+50
PLAN VIEW

ESTIMATED QUANTITIES (THIS SHEET)



REMOVE ASPHALT
38 CY

NOTES:

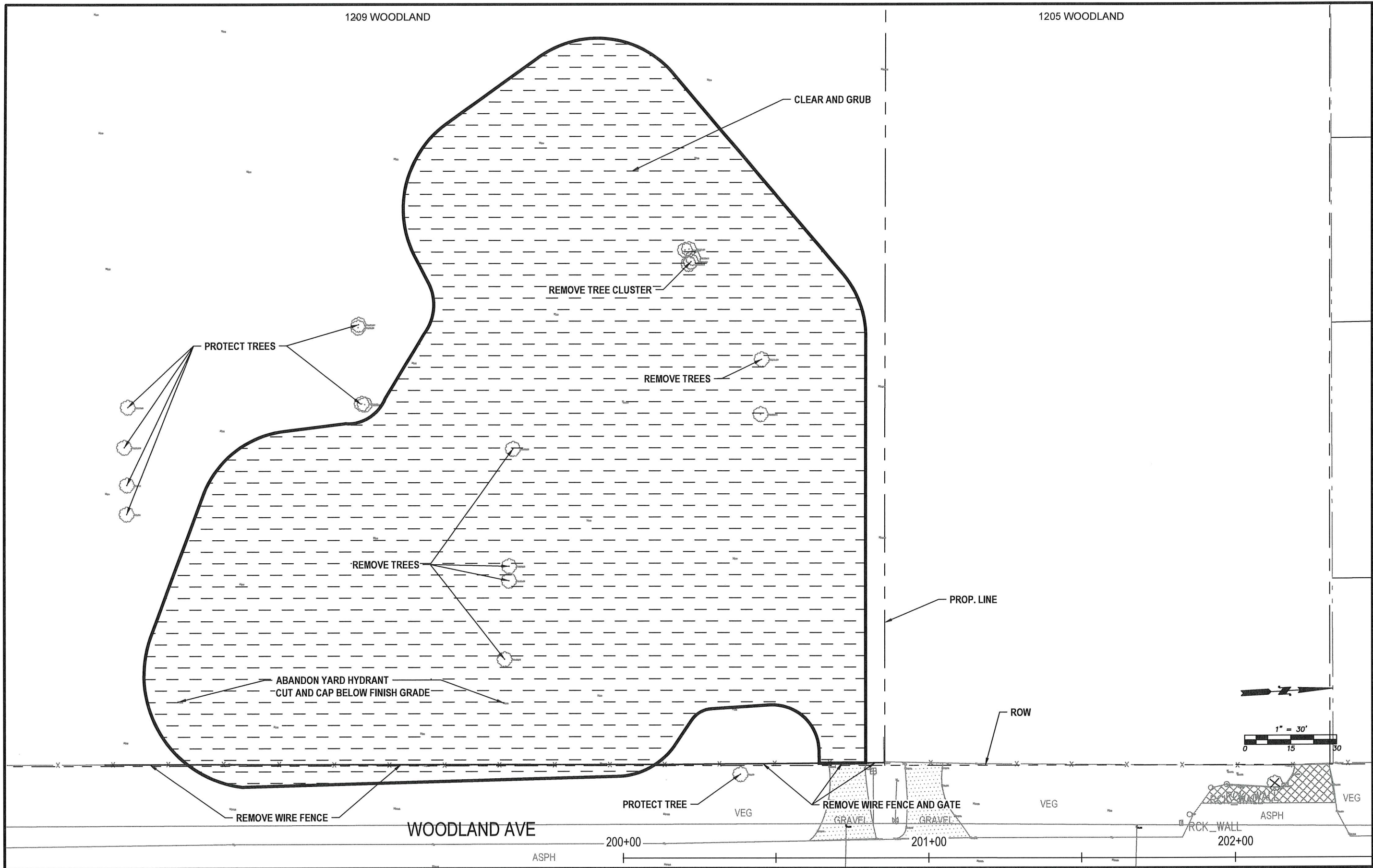
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May, 2025

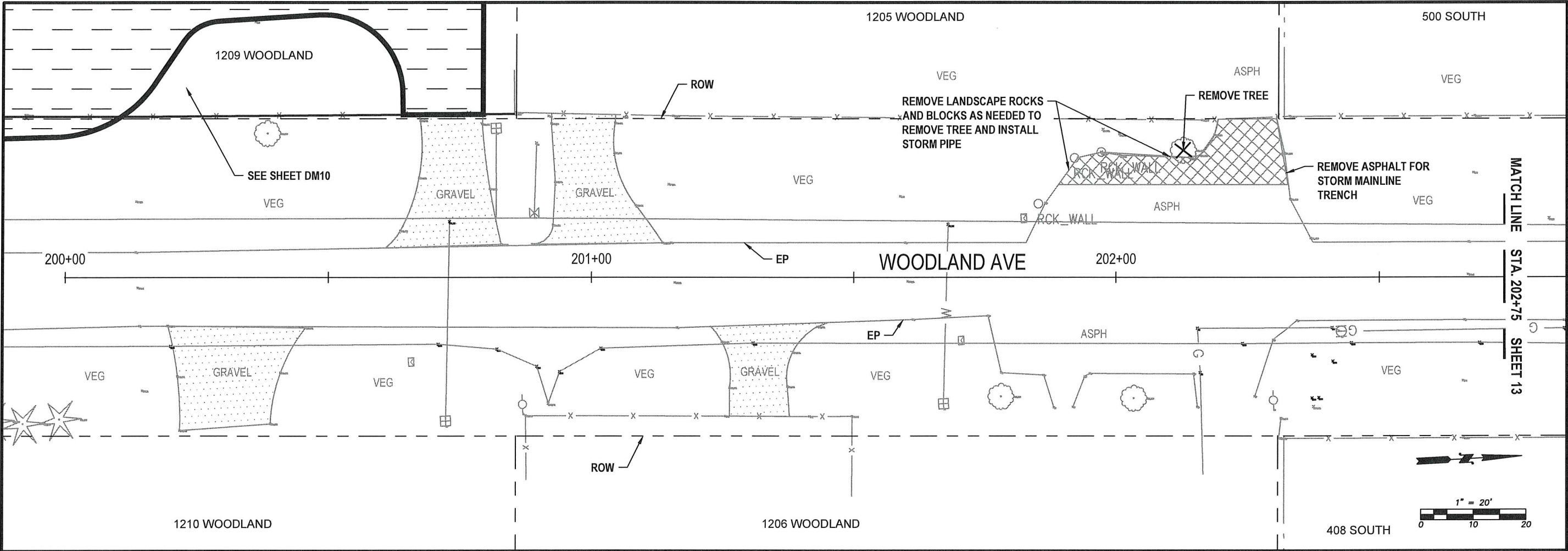
DM09



WOODLAND AVE - DEMOLITION
PLAN VIEW

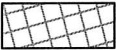


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DRAWN BY: J. DEBUSK
SURVEYED BY: J. DEBUSK
CHECKED BY: P. PAGE
May, 2025



WOODLAND AVE - DEMOLITION
STA 200+00 TO 202+75
PLAN VIEW

ESTIMATED QUANTITIES (THIS SHEET)

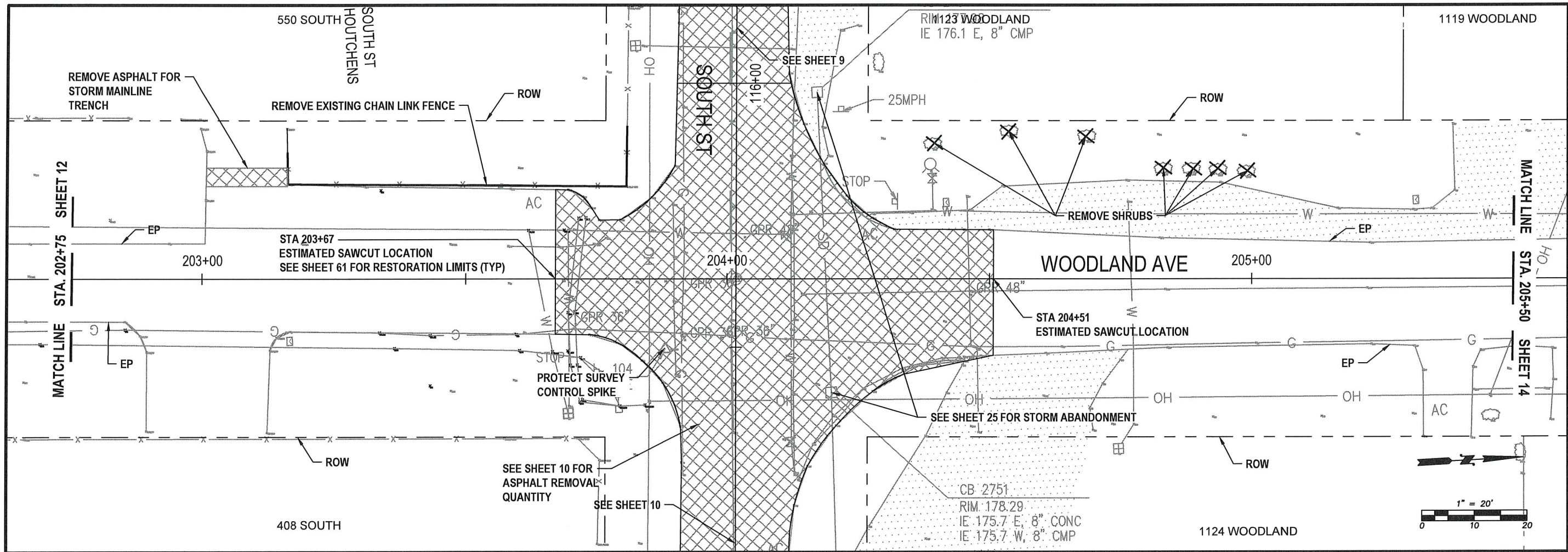


REMOVE ASPHALT
3 CY

NOTES:

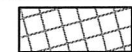
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WOODLAND AVE - DEMOLITION
STA 202+75 TO 205+50
PLAN VIEW

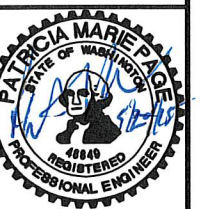
ESTIMATED QUANTITIES (THIS SHEET)



REMOVE ASPHALT
1 CY

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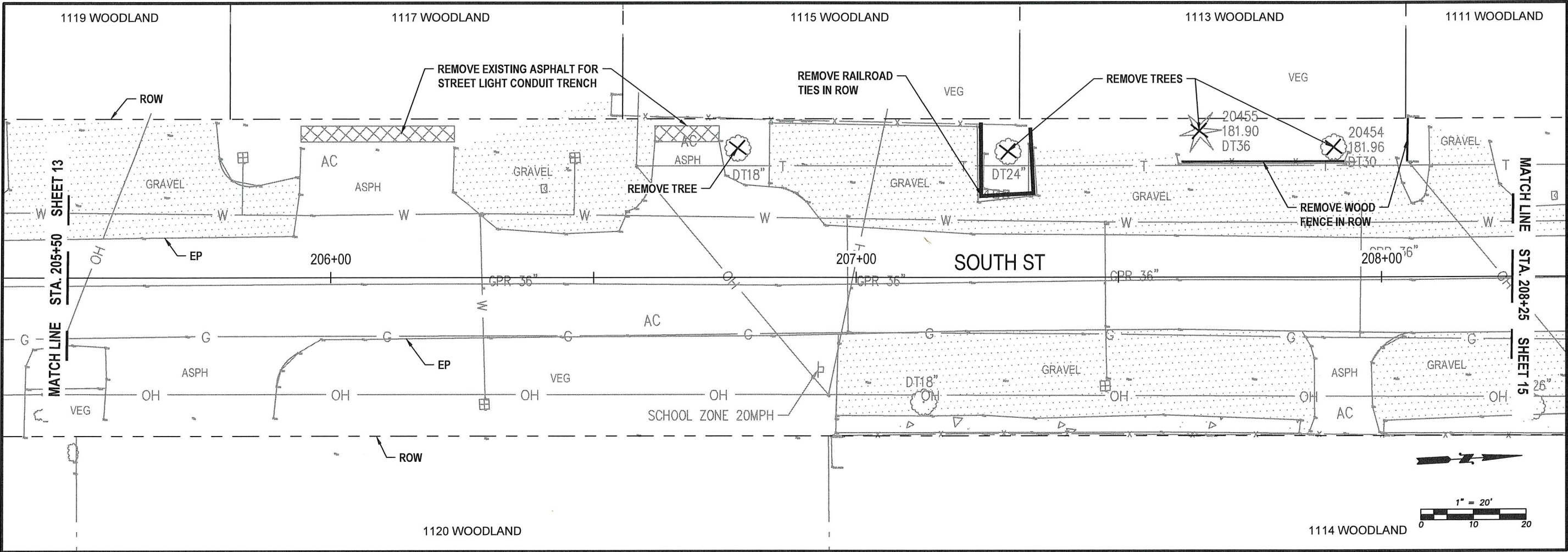


DESIGNED BY: P. PAGE
DRAWN BY: J. DEBUSK
SURVEYED BY: J. DEBUSK
CHECKED BY: P. PAGE

May, 2025

DM12

13 OF 99



WOODLAND AVE - DEMOLITION
STA 205+50 TO 208+25
PLAN VIEW

ESTIMATED QUANTITIES (THIS SHEET)



REMOVE ASPHALT
2 CY

NOTES:

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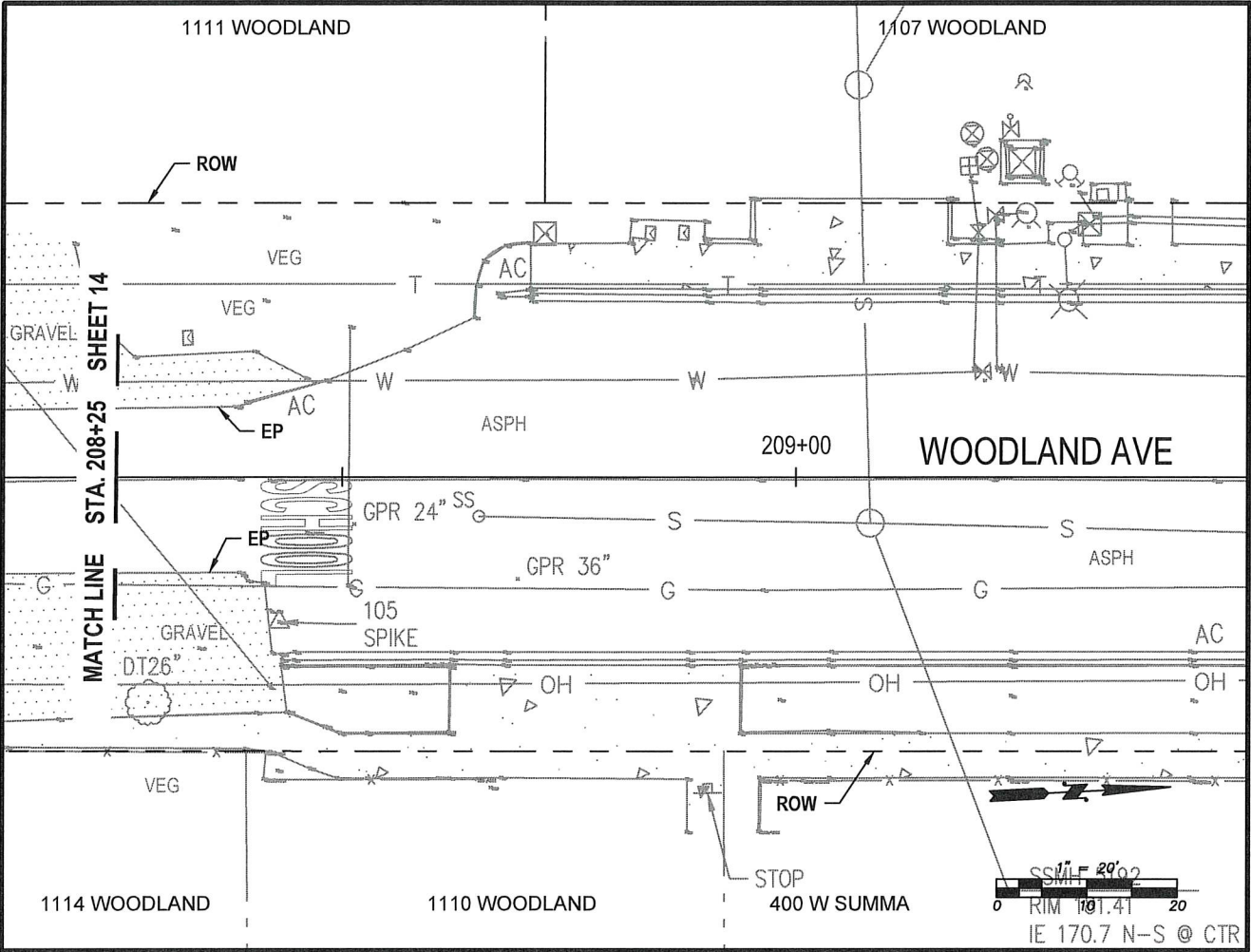


DESIGNED BY: P. PAGE
DRAWN BY: J. DEBUSK
SURVEYED BY: J. DEBUSK
CHECKED BY: P. PAGE

May, 2025

DM13

14 OF 99



WOODLAND AVE - DEMOLITION
STA 208+25 TO 209+50
PLAN VIEW

NOTES:

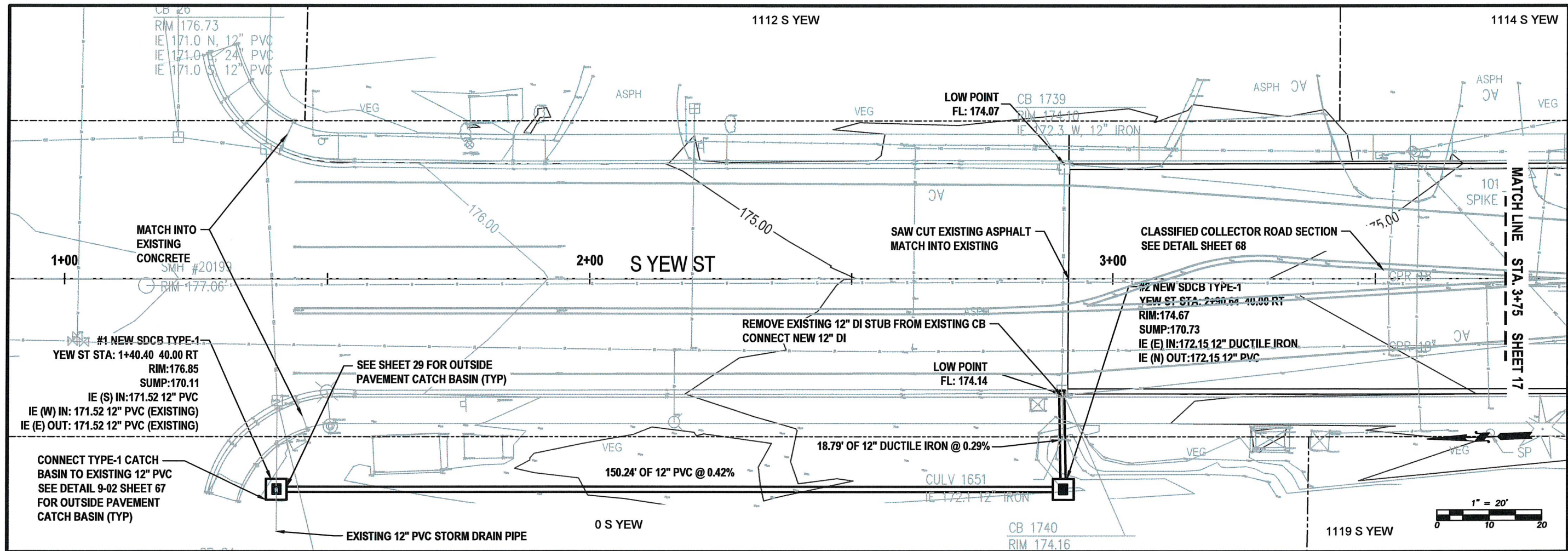
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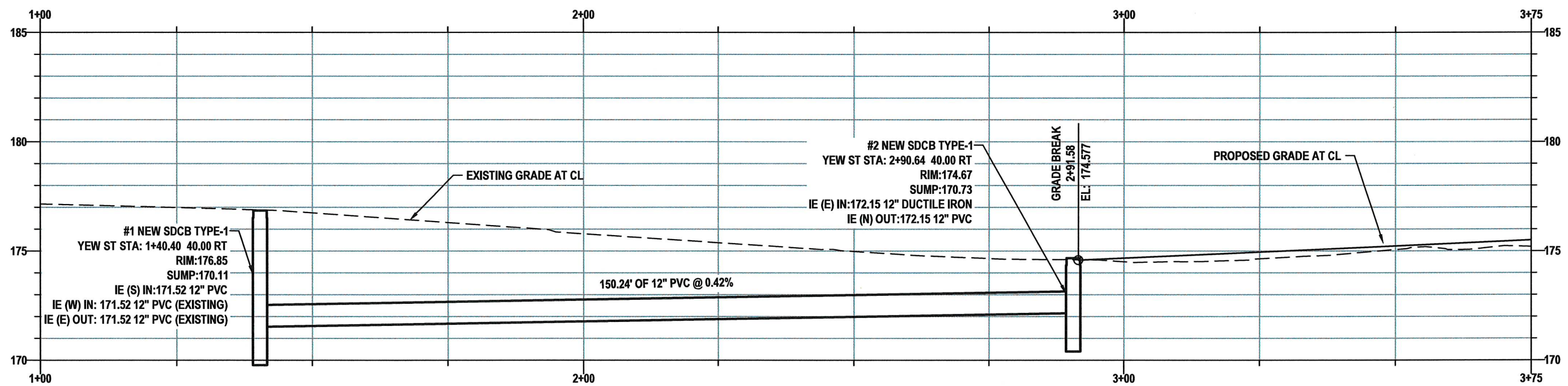
DESIGNED BY: P. PAGE
DRAWN BY: J. DEBUSK
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CHECKED BY: P. PAGE

May, 2025

DM14



YEW ST - GRADING AND DRAINAGE
STA 1+00 TO 3+75
PLAN VIEW



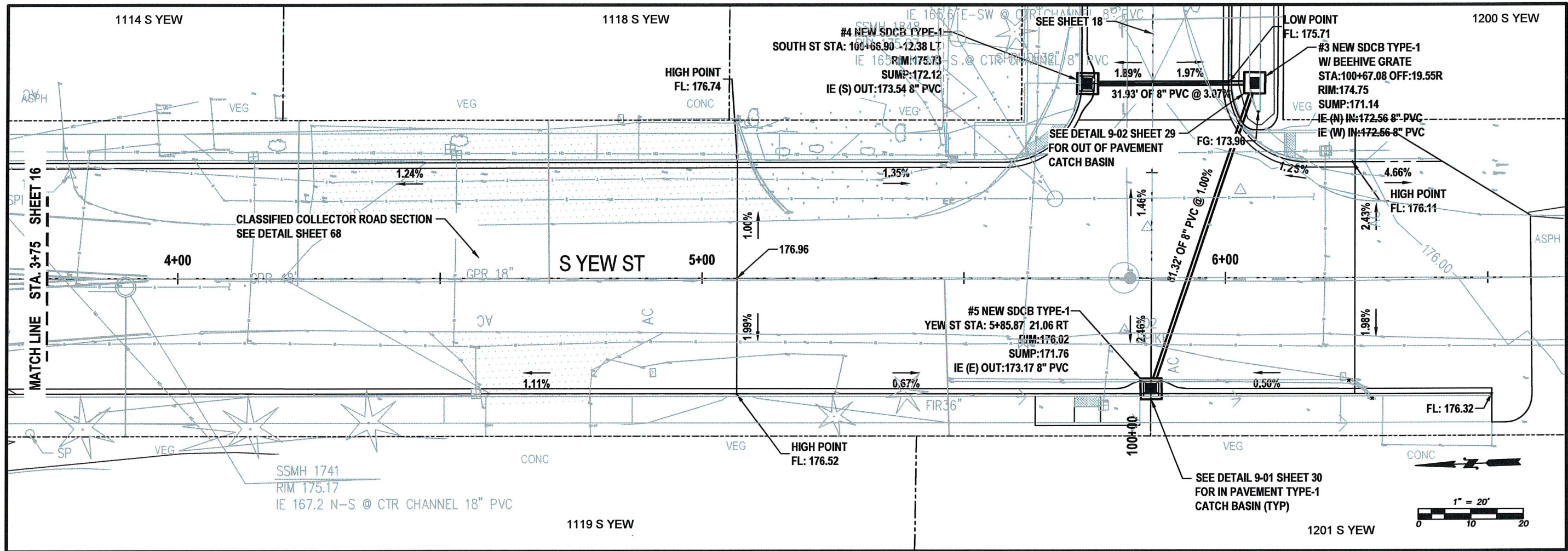
YEW ST - PROFILE VIEW



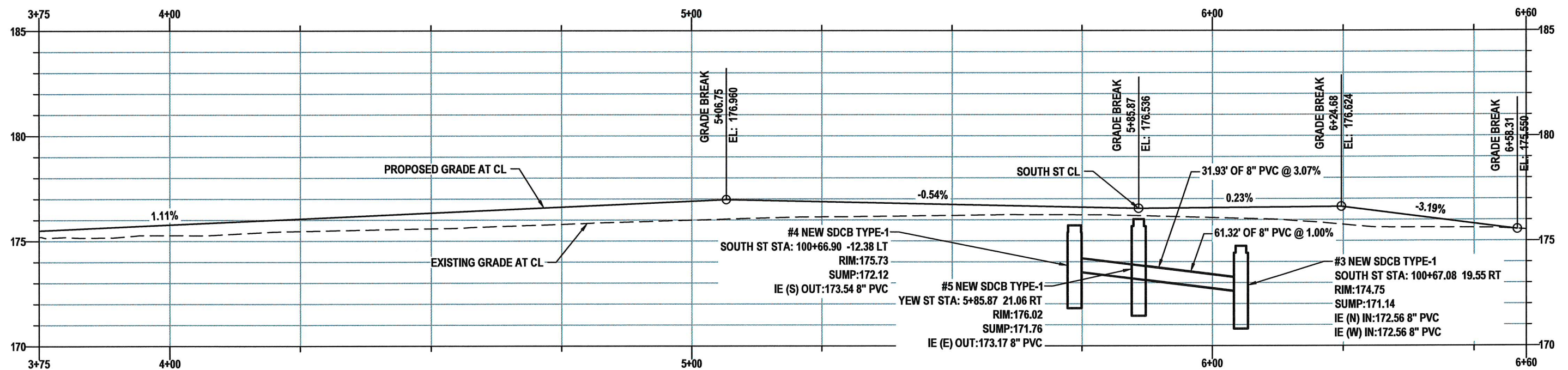
DESIGNED BY: P. PAGE
 DRAWN BY: J. DEBUSK
 SURVEYED BY: J. DEBUSK
 CHECKED BY: P. PAGE

May, 2025

GD01



YEW ST - GRADING AND DRAINAGE
STA 3+75 TO 6+50
PLAN VIEW



YEW ST - PROFILE VIEW

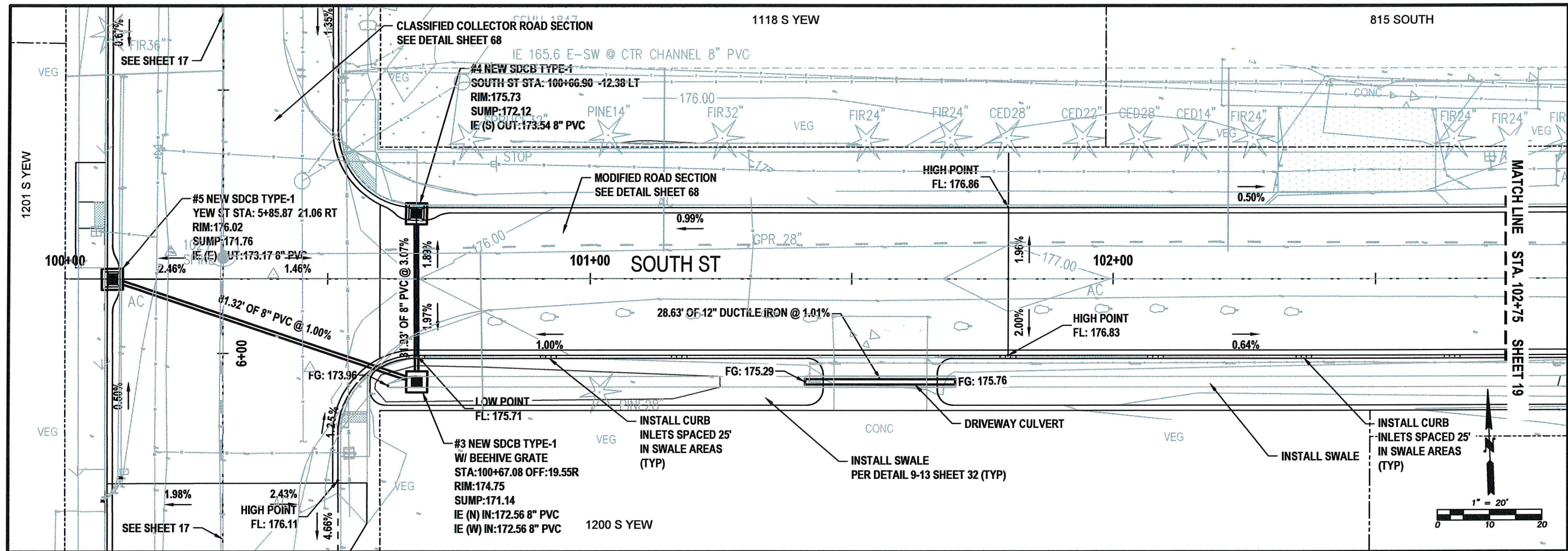


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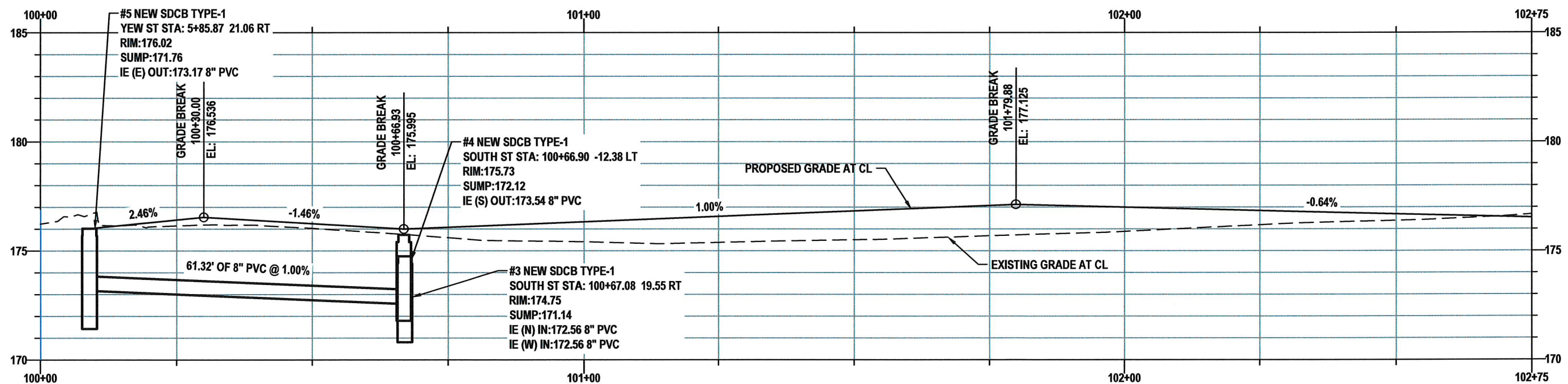
May, 2025

GD02

17 OF 99



SOUTH ST - GRADING AND DRAINAGE
STA 100+00 TO 102+75
PLAN VIEW



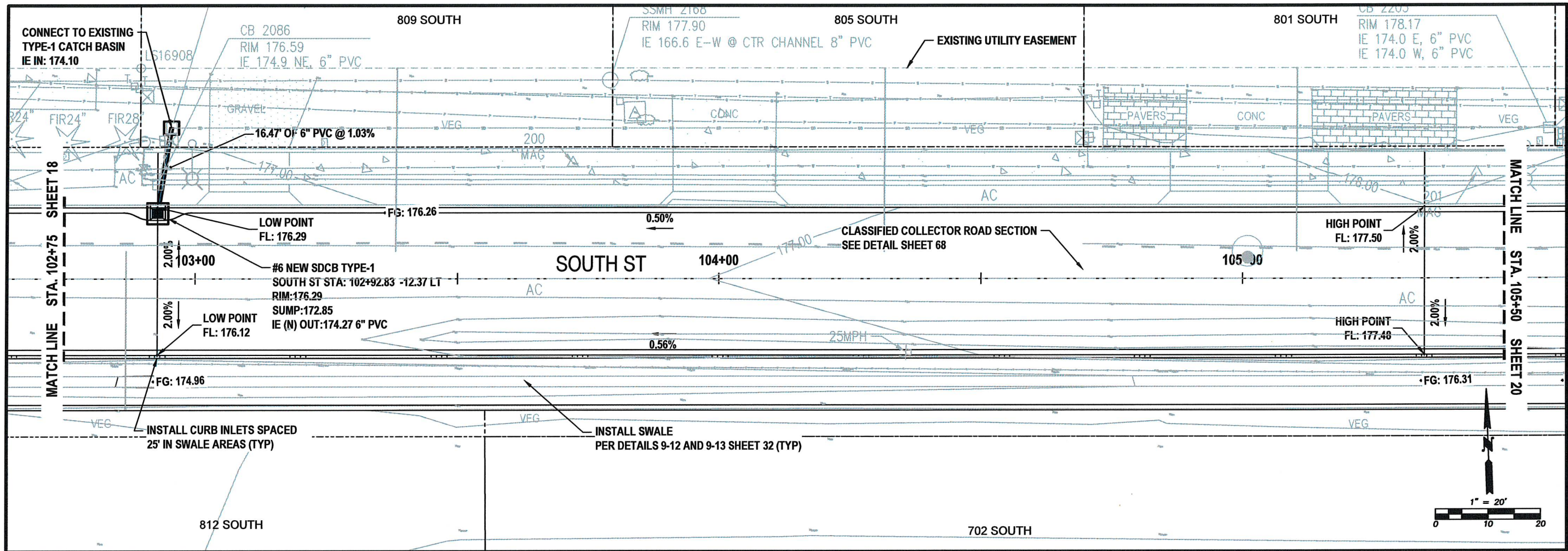
SOUTH ST - PROFILE VIEW



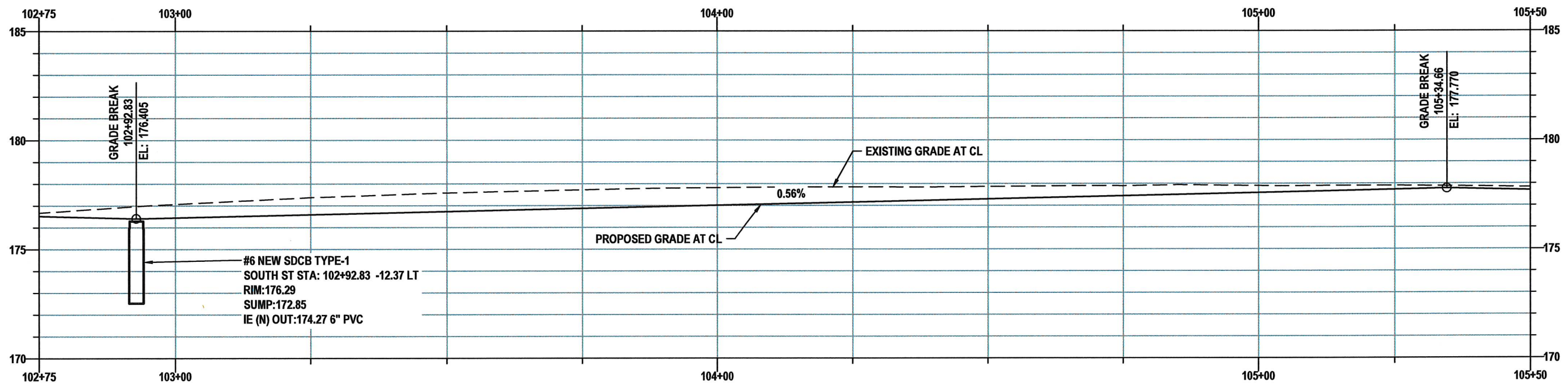
DESIGNED BY: P. PAGE
 DRAWN BY: J. DEBUSK
 SURVEYED BY: J. DEBUSK
 CHECKED BY: P. PAGE

May, 2025

GD03



SOUTH ST - GRADING AND DRAINAGE
STA 102+75 TO 105+50
PLAN VIEW



SOUTH ST - PROFILE VIEW

CITY OF CENTRALIA
PUBLIC WORKS
ENGINEERING DEPT.
 1100 N. TOWER AVE
 CENTRALIA, WA 98531
 P: 360.330.7512 F: 360.330.7516
 CITY OF CENTRALIA.COM

SOUTH ST
GRADING AND DRAINAGE
PLAN VIEW
STA 102+75 TO 105+50

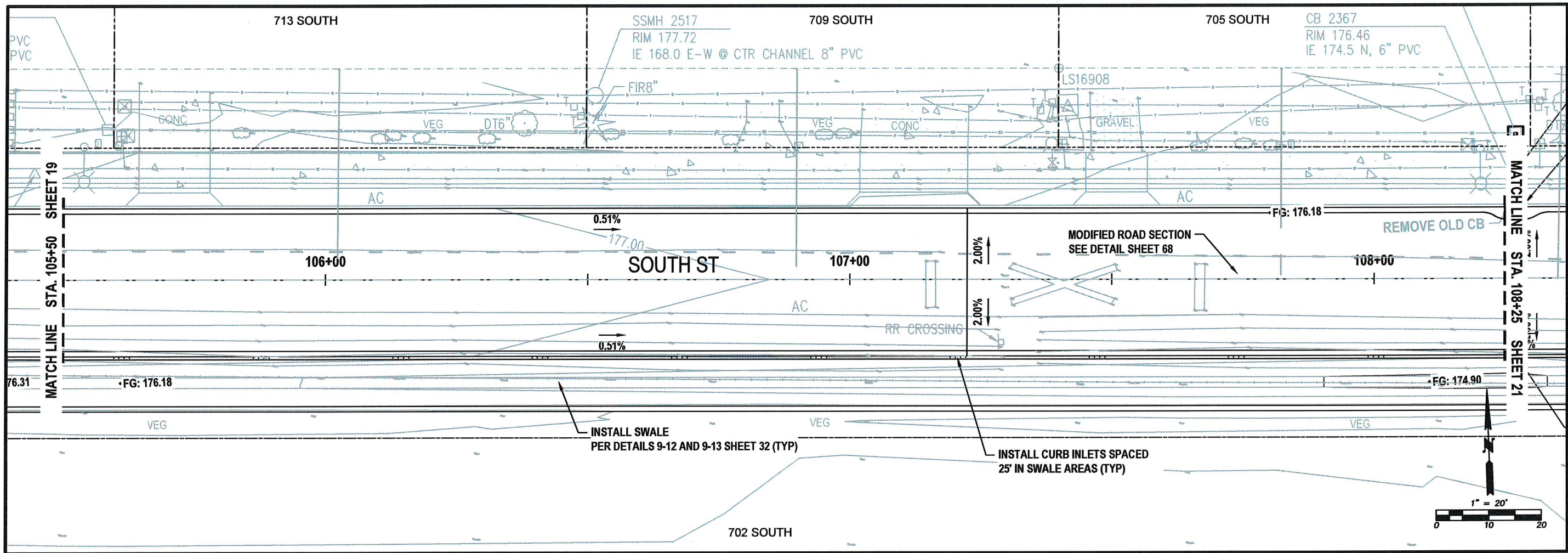
S YEW ST AND SOUTH ST
IMPROVEMENTS
PW 2025-07



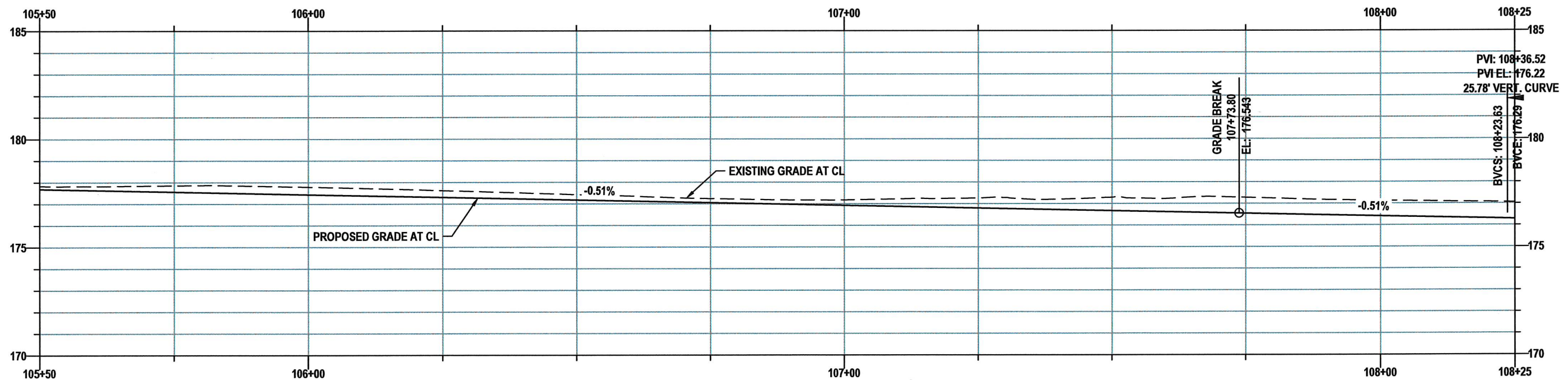
DESIGNED BY: P. PAGE
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 CHECKED BY: P. PAGE

May, 2025

GD04



SOUTH ST - GRADING AND DRAINAGE
STA 105+50 TO 108+25
PLAN VIEW



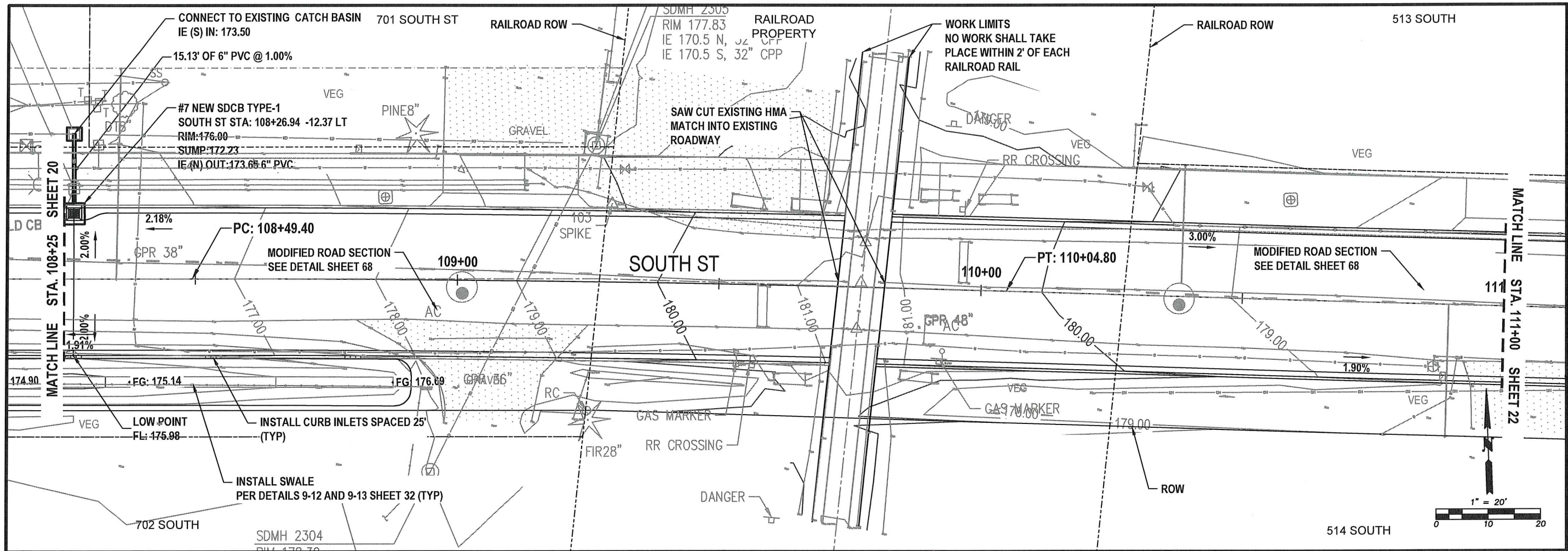
SOUTH ST - PROFILE VIEW



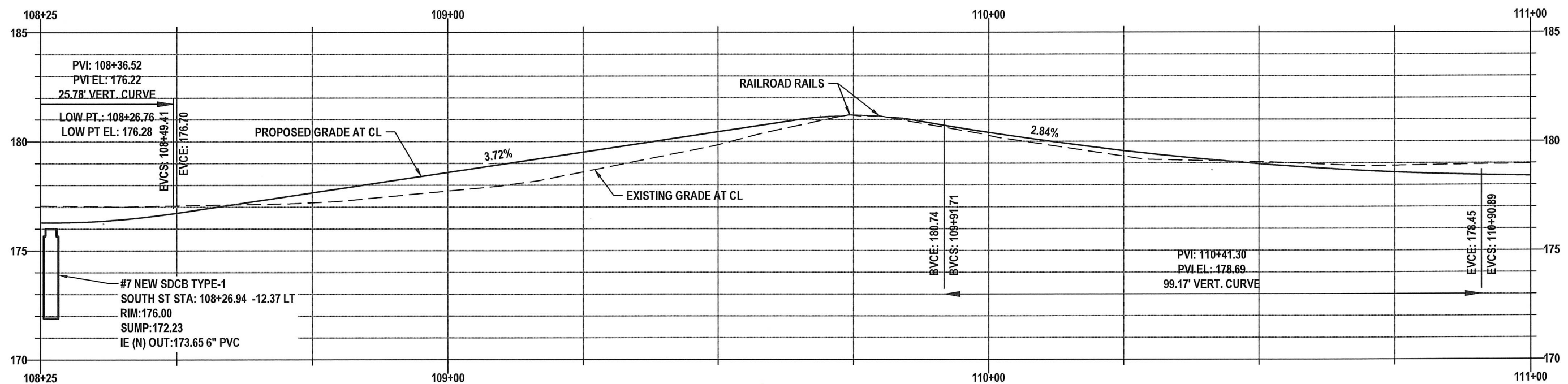
DESIGNED BY: P. PAGE
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 CHECKED BY: P. PAGE

May, 2025

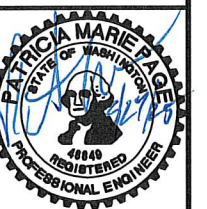
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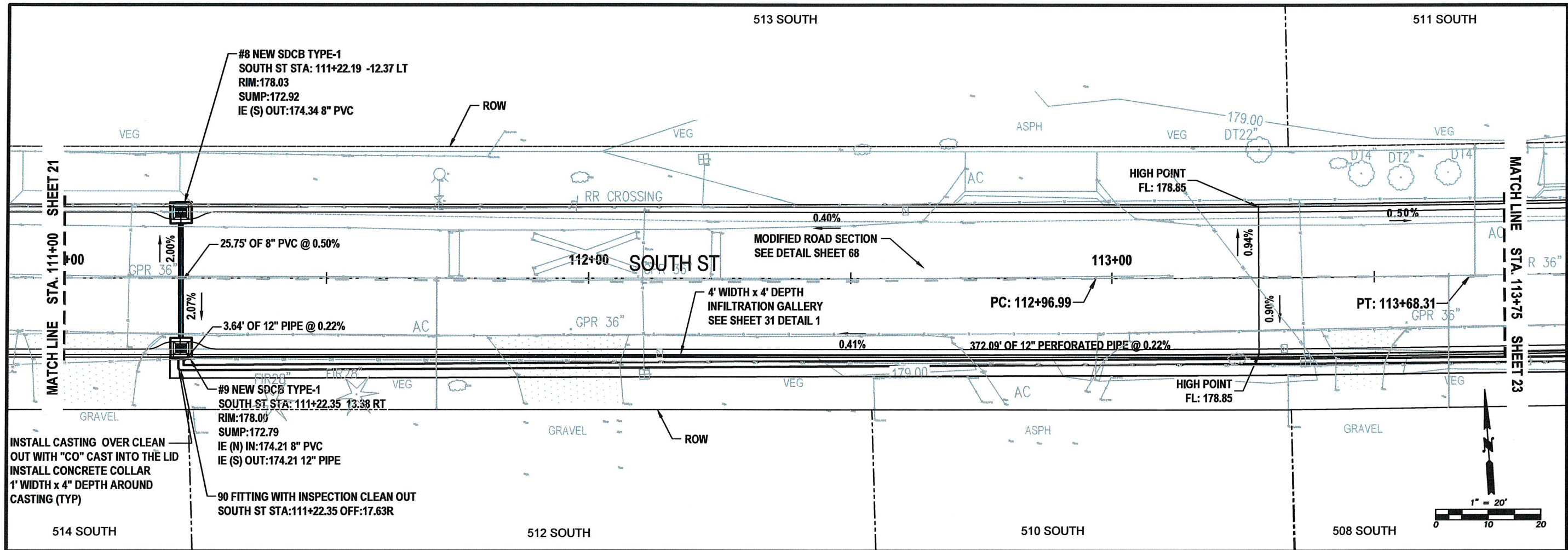
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STA 108+25 TO 111+00
PLAN VIEW



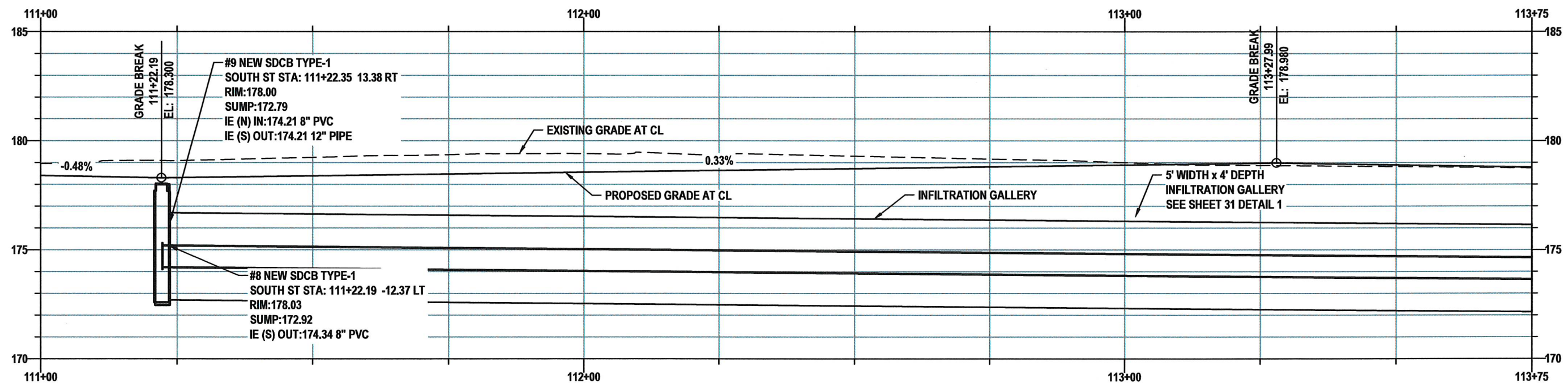
SOUTH ST - PROFILE VIEW



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 SURVEYED BY: J. DEBUSK
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 May, 2025



SOUTH ST - GRADING AND DRAINAGE
STA 111+00 TO 113+75
PLAN VIEW



SOUTH ST - PROFILE VIEW



DESIGNED BY: P. PAGE

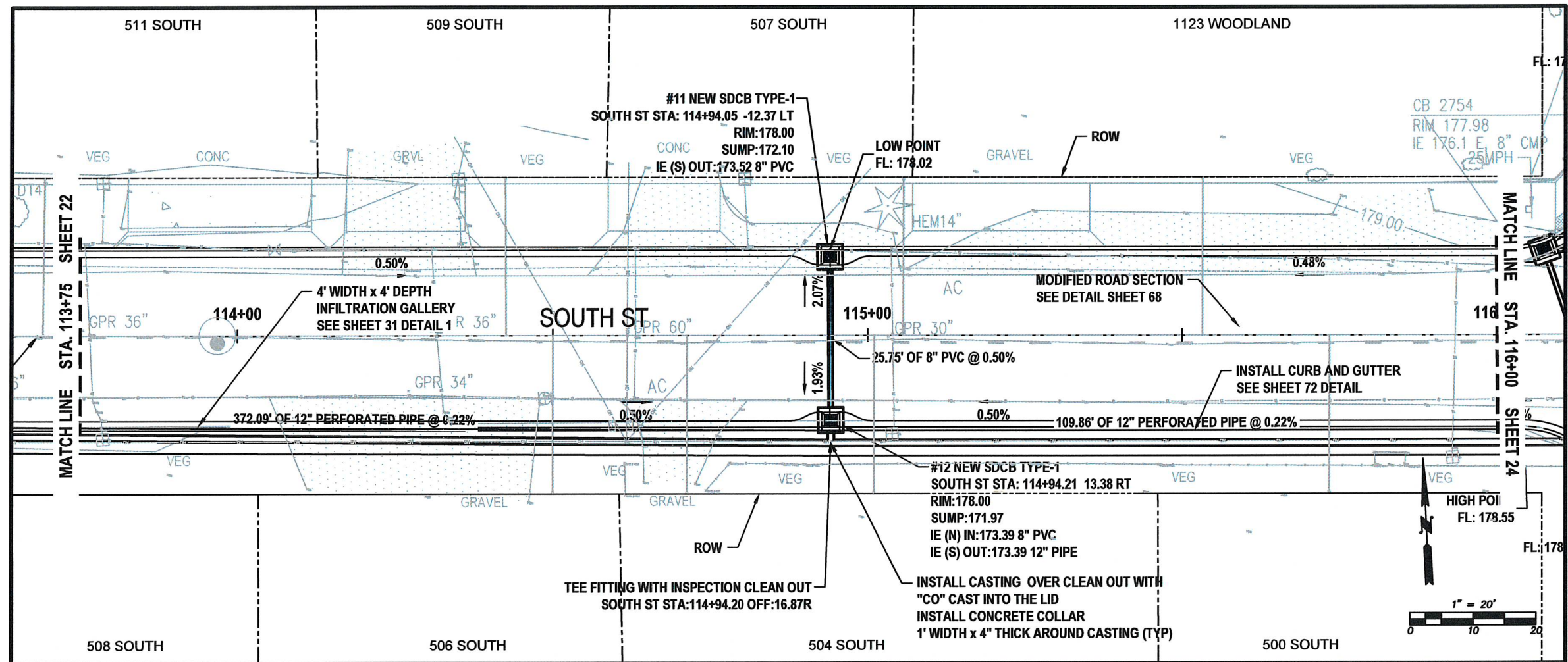
DRAWN BY: J. DEBUSK

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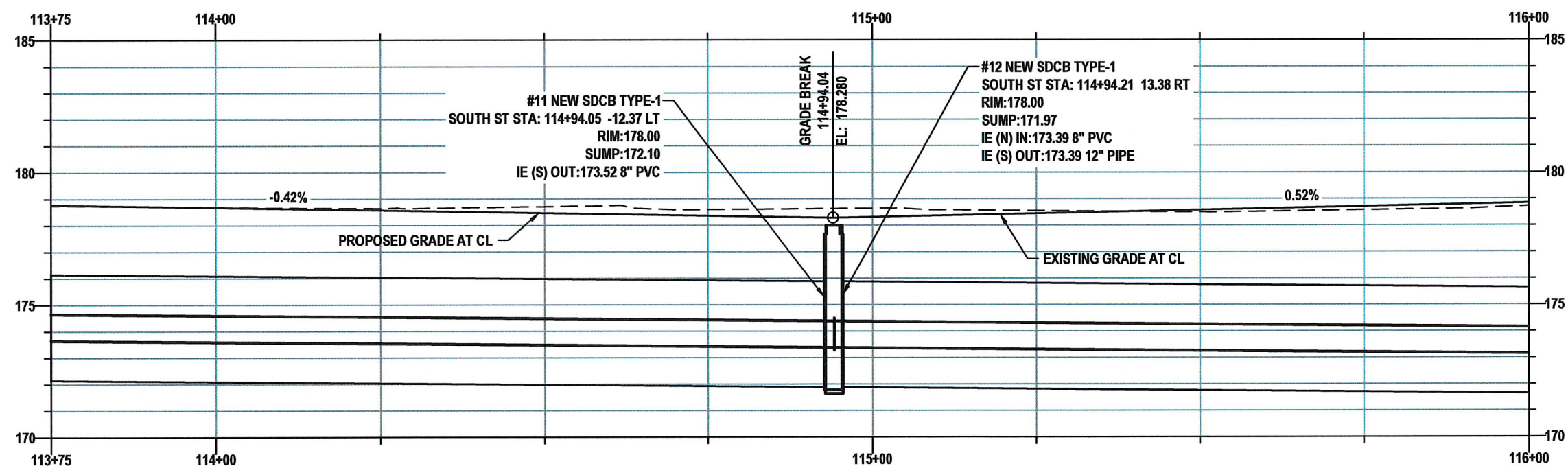
CHECKED BY: P. PAGE

May, 2025

GD07



SOUTH ST - GRADING AND DRAINAGE
STA 113+75 TO 116+00
PLAN VIEW



SOUTH ST - PROFILE VIEW

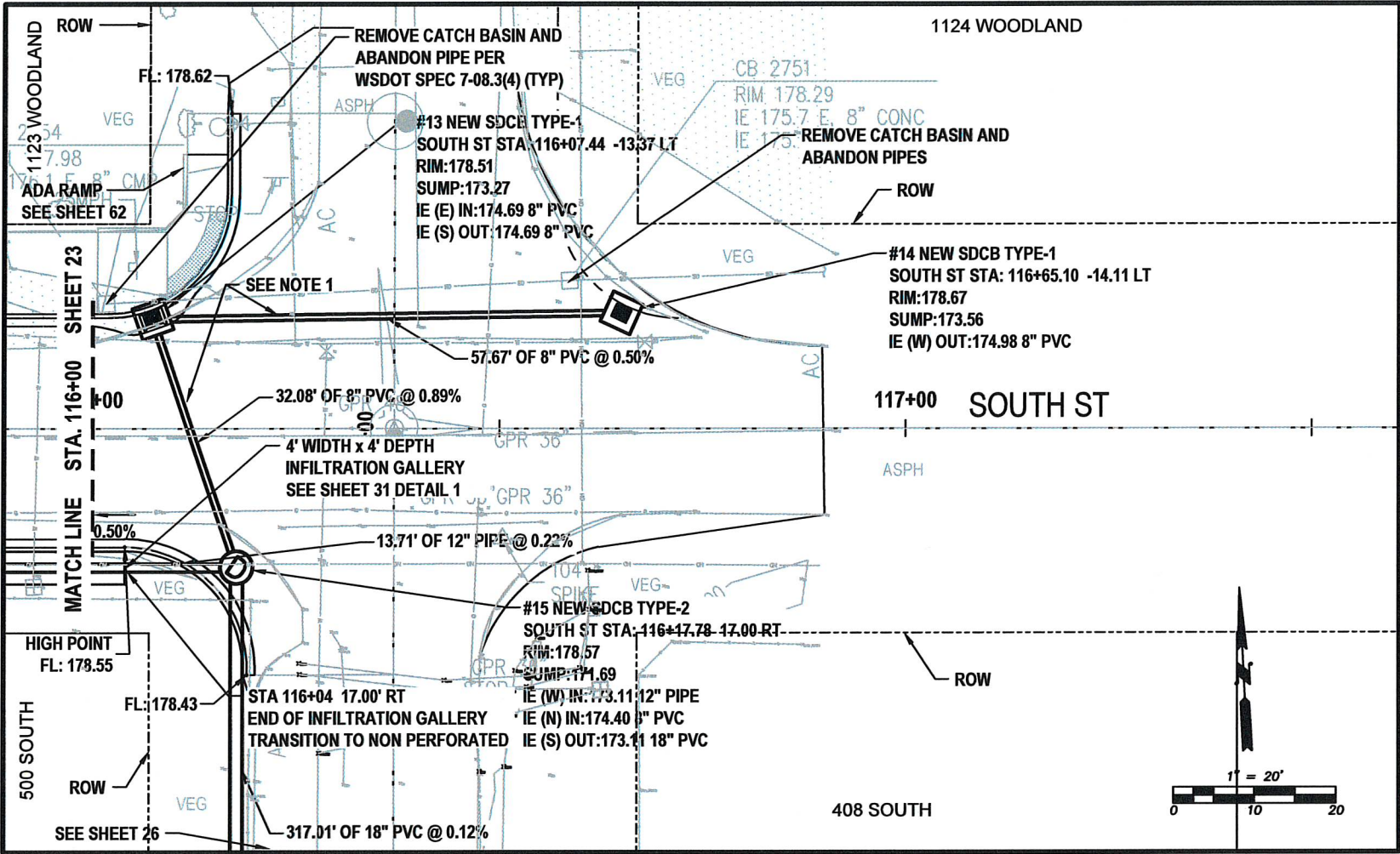
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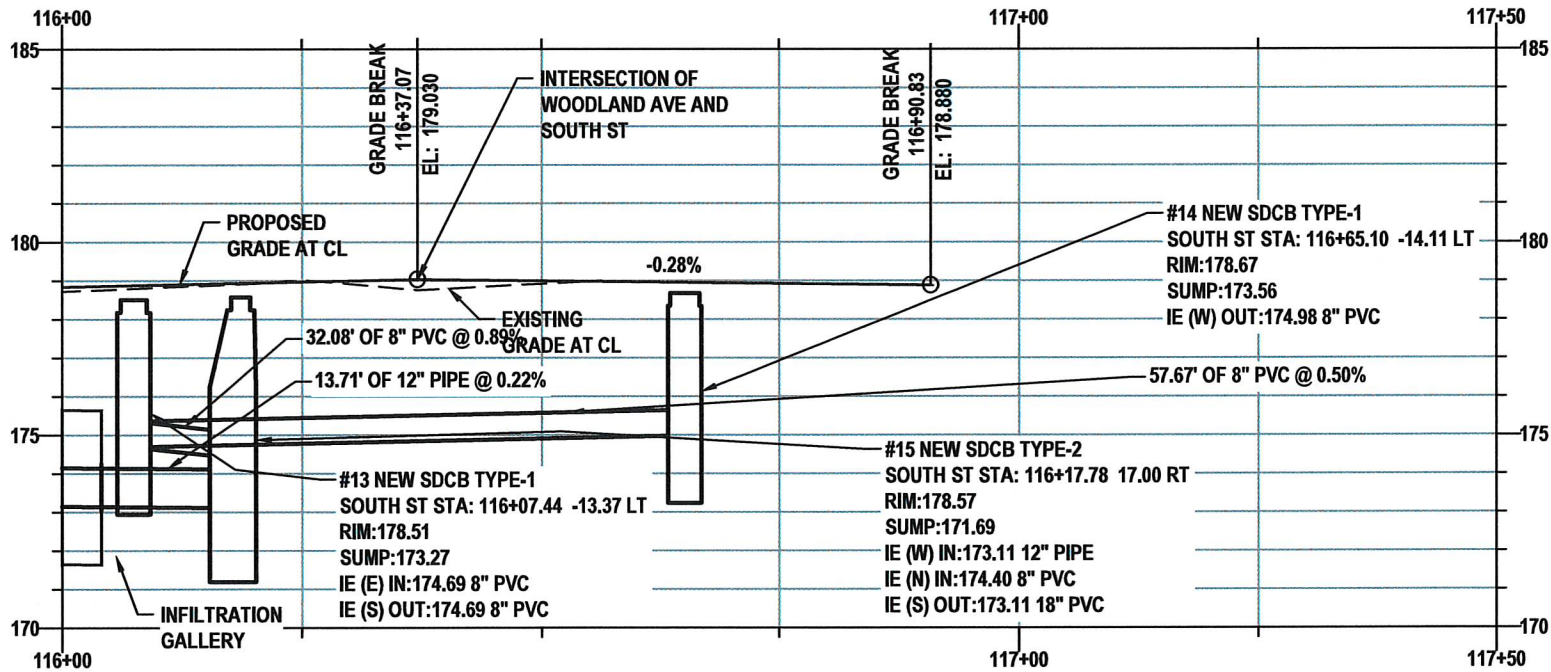
DESIGNED BY: P. PAGE
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 CHECKED BY: P. PAGE

May, 2025

GD08



SOUTH ST - GRADING AND DRAINAGE
STA 116+00 TO 117+50
PLAN VIEW



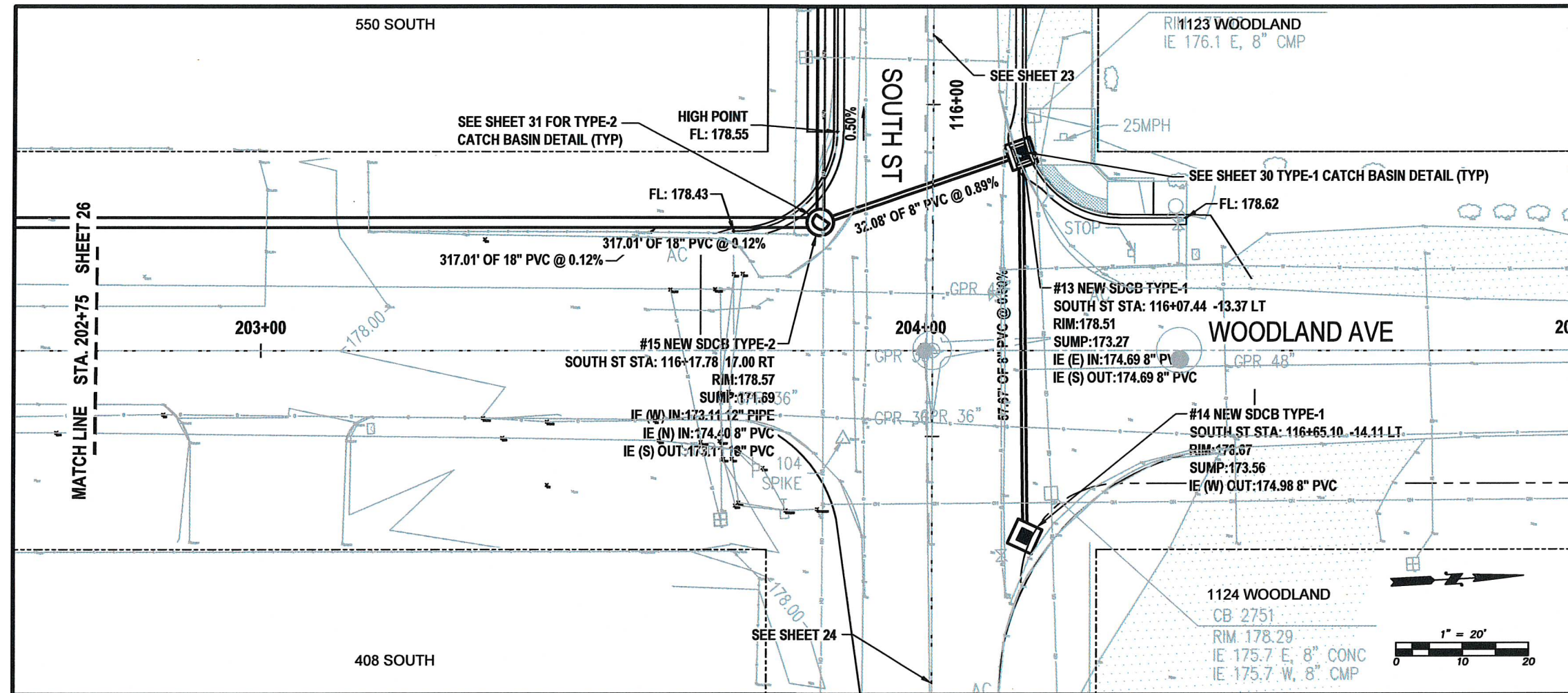
SOUTH ST - PROFILE VIEW

NOTES:
1. AT THIS LOCATION THE NEW STORM PIPE IS AT THE SAME ELEVATION AS THE EXISTING WATER MAIN. THE NEW STORM PIPES SHOULD BE INSTALLED AFTER THE NEW WATER MAIN IS IN SERVICE.

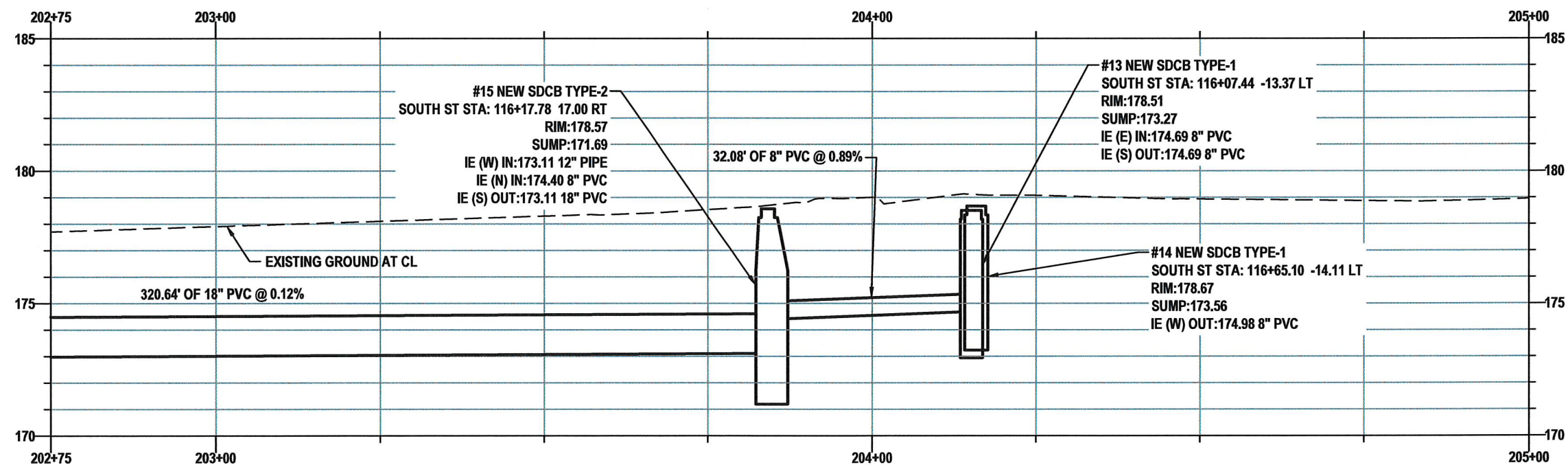


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May, 2025



WOODLAND AVE - GRADING AND DRAINAGE
STA 202+75 TO 205+00
PLAN VIEW



WOODLAND AVE - PROFILE VIEW

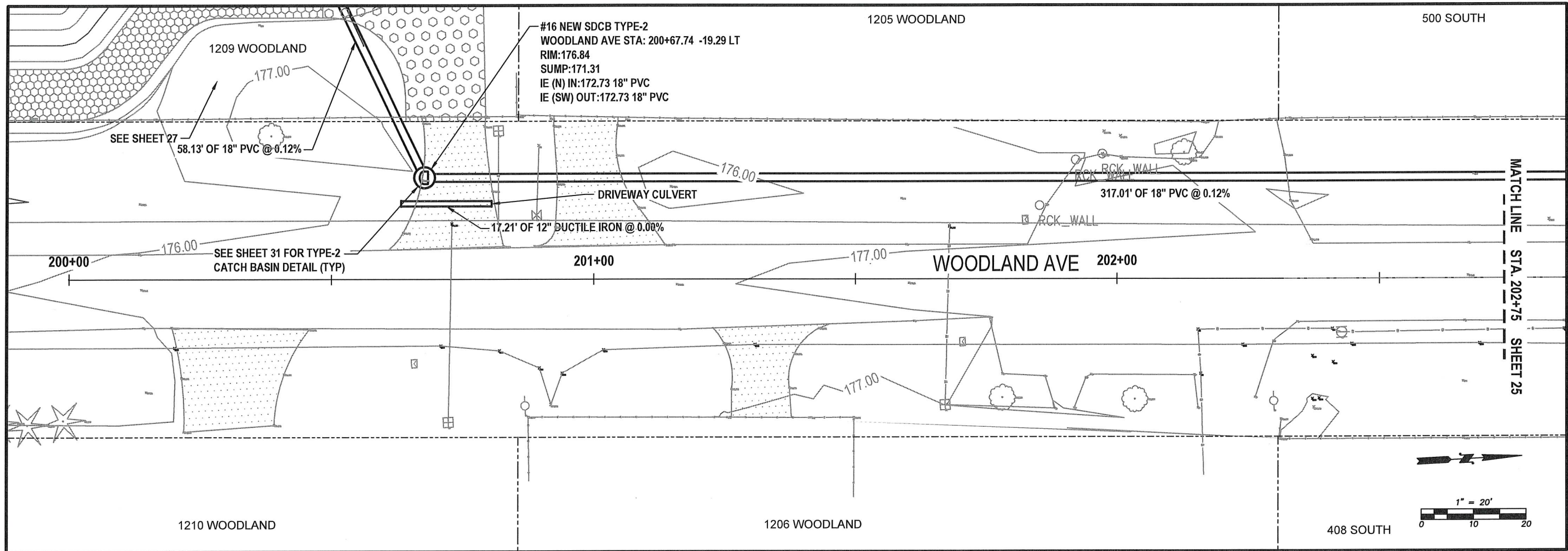


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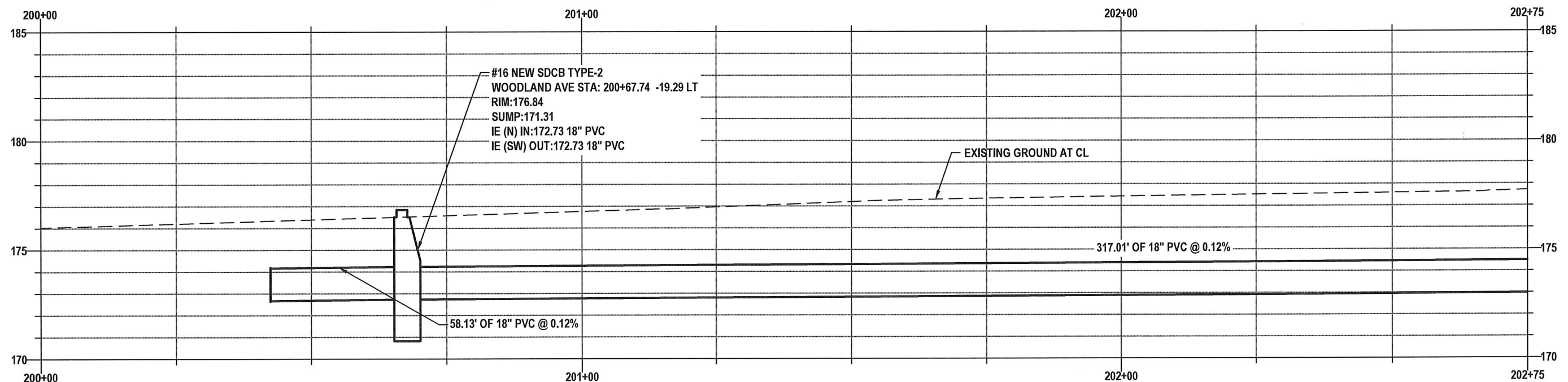
May, 2025

GD10

25 OF 99



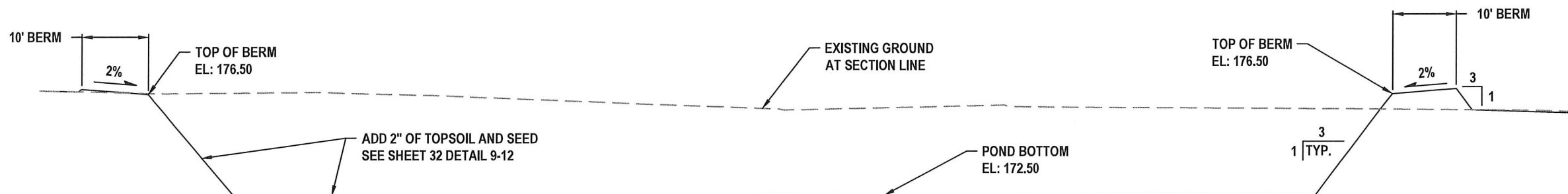
WOODLAND AVE - GRADING AND DRAINAGE
STA 200+00 TO 202+75
PLAN VIEW



WOODLAND AVE - PROFILE VIEW

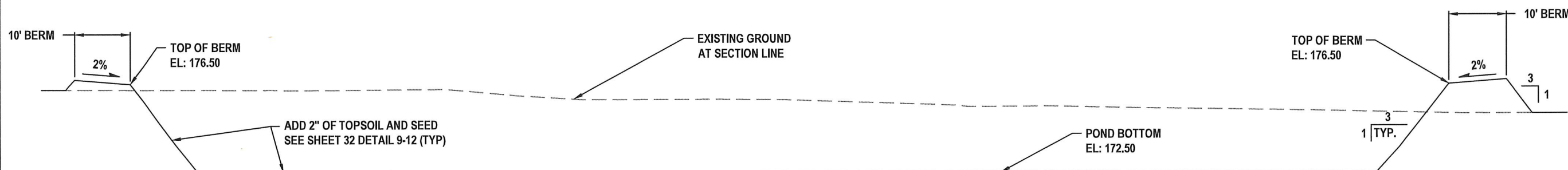


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WOODLAND STORM POND - SECTION A
PROFILE VIEW

VERT. SCALE: 1" = 20' HORIZ. SCALE: 1" = 5'



WOODLAND STORM POND - SECTION B
PROFILE VIEW

VERT. SCALE: 1" = 20' HORIZ. SCALE: 1" = 5'



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GD13

28 OF 99

STORM DRAINAGE INSTALLATION
GENERAL NOTES

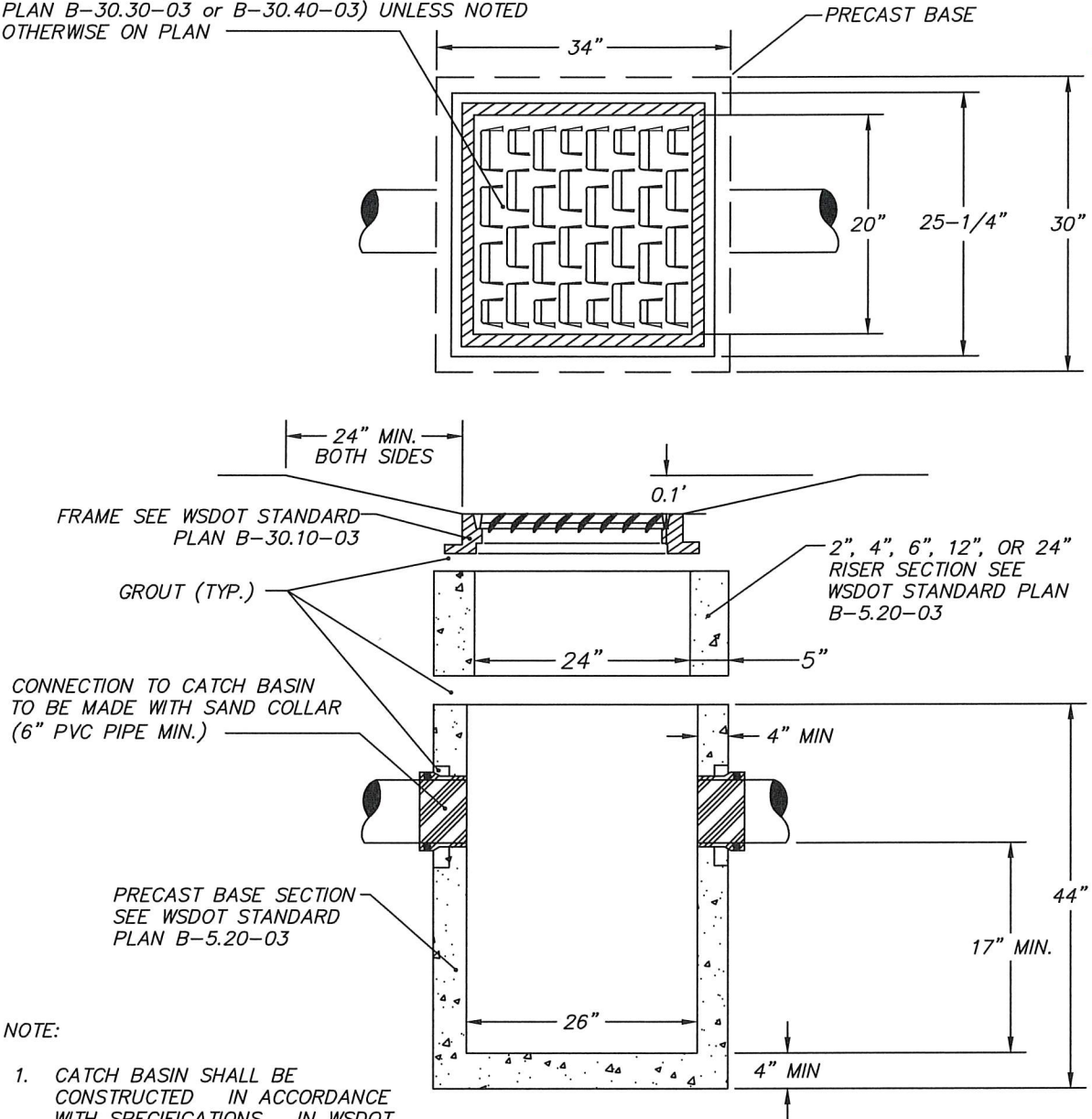
1. All workmanship and materials shall be in accordance with City of Centralia Standards and the most current copy of the WSDOT/APWA Standard Specifications for Road, Bridge and Municipal Construction.
2. Temporary erosion/pollution measures shall be required for the duration of the project.
3. The contractor must comply with all permits and other requirements of the City of Centralia or other governing authority or agency.
4. A preconstruction meeting shall be held with the City of Centralia prior to the start of staking.
5. All storm sewer mains, appurtenances and retention/detention areas shall be staked for grade and alignment by an engineering or surveying firm capable of performing such work. All vertical control shall be established using the 1988 USGS Datum. Staking shall be inspected by the City prior to the start of construction and shall be maintained throughout construction.
6. Storm drain pipe shall meet the following requirements (use only those which apply):
 - A. Plain concrete pipe conforming to AASHTO M 86, Class 2.
 - B. reinforced concrete pipe conforming to AASHTO M 170.
 - C. PVC pipe conforming to ASTM D 3034 SDR 35, ASTM F 794 or ASTM F 679. Type 1 with joints and gaskets conforming to ASTM 3212 and ASTM F 477.
 - D. Ductile iron pipe conforming to AWWA C 151, thickness class as shown on plans.
7. Special structures, oil/water separators and outlet controls shall be installed per plans and manufacturers recommendations.
8. Provide traffic control plan(s) as required in accordance with MUTCD.
9. Call the Underground Location Center at 1-800-424-5555 a minimum of 48 hours prior to any excavation.
10. Where connections require "field verifications", connection points will be exposed by the contractor and fittings field verified 48 hours prior to starting construction.
11. All Storm lines will be high-velocity cleaned and pressure tested in accordance with Division 7 of the WSDOT Standard Specifications prior to paving in conformance with the above-referenced specifications. (See Note 1). Hydrant flushing of lines is not an acceptable cleaning method.
12. Testing of the Storm main will include Television inspection of the main at the contractor's expense. Immediately prior to tv inspection enough water will be run down the line to flush it clean. Acceptance of the line will be made after tv inspection tape has been reviewed and approved by the inspector. A water test of all manholes is also required. Testing will take place after all underground utilities are installed and compaction of the roadway subgrade is completed.

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
CITY ENGINEER	08/2017	STORM DRAINAGE INSTALLATION GENERAL NOTES	1 of 1
2022 Standard Drawings			

STORM DRAINAGE INSTALLATION GENERAL NOTES
DETAIL

GEN
29

25 1/4" X 29 1/4" METAL GRATE (WSDOT STANDARD
PLAN B-30.30-03 or B-30.40-03) UNLESS NOTED
OTHERWISE ON PLAN



NOTE:

1. CATCH BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS IN WSDOT STANDARD PLAN B-5.20-03
2. THE MAXIMUM DEPTH FROM FINISHED GRADE TO THE LOWEST PIPE INVERT SHALL BE 5'. A TYPE 2 CATCH BASIN IS REQUIRED WHERE DEPTH IS GREATER THAN 5'. SEE STANDARD DETAIL 9-03.

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	03/2024	CATCH BASIN TYPE 1 OUTSIDE PAVEMENT AREA	9-02
2022 Standard Drawings			

CATCH BASIN TYPE-1 OUTSIDE PAVEMENT AREA
DETAIL

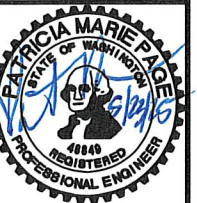
9-02
29

CITY OF CENTRALIA
PUBLIC WORKS
ENGINEERING DEPT.
1100 N. TOWER AVE
CENTRALIA, WA 98531
P: 360.330.7512 F: 360.330.7516
CITY OF CENTRALIA.COM

DRAINAGE DETAILS

S YEW ST AND SOUTH ST
IMPROVEMENTS

PW 2025-07

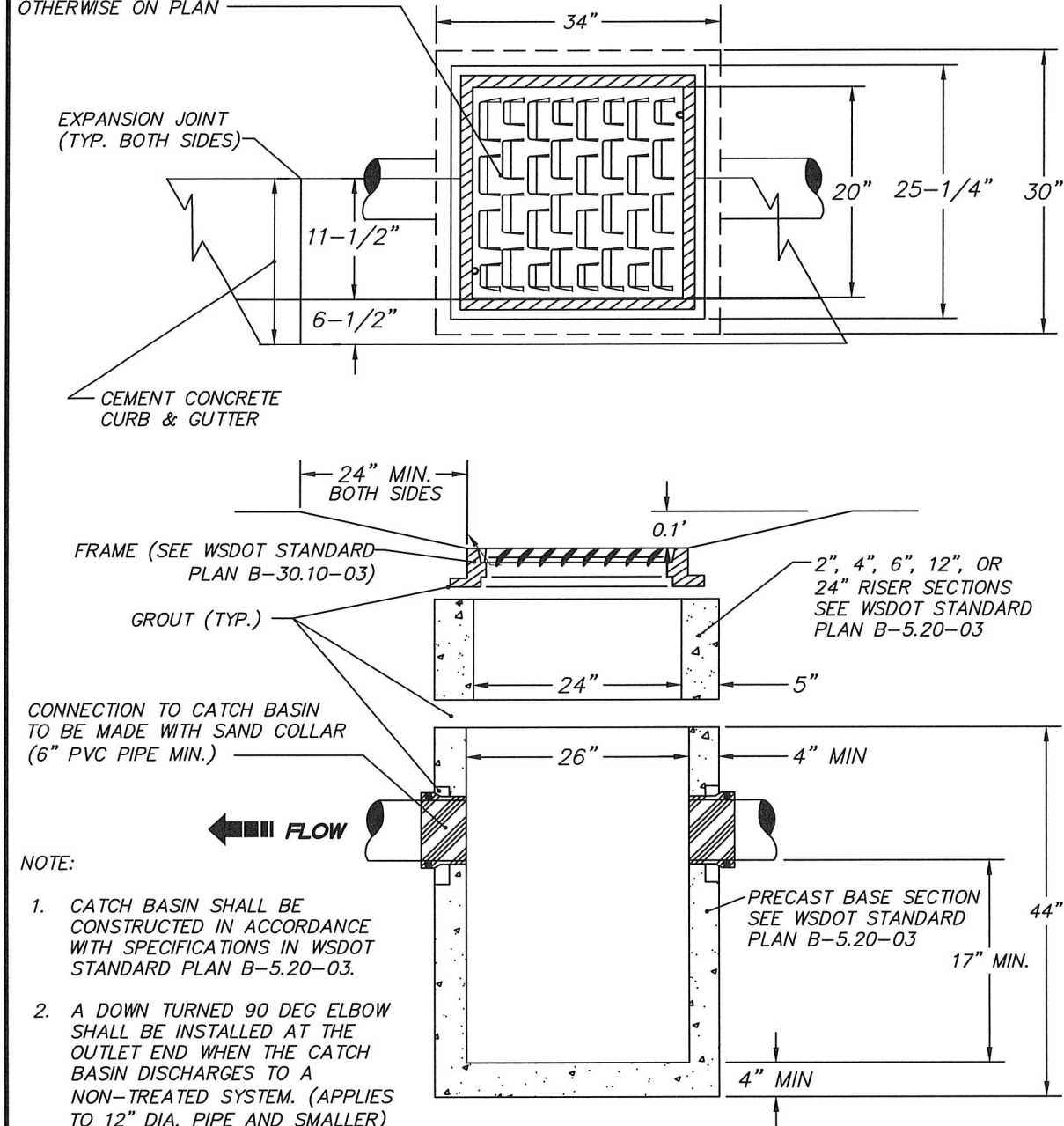


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DD01

29 OF 99

25 1/4" X 29 1/4" METAL GRATE (WSDOT STANDARD PLAN B-30.30-03 OR B-30.40-03) UNLESS NOTED OTHERWISE ON PLAN



NOTE:

- CATCH BASIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH SPECIFICATIONS IN WSDOT STANDARD PLAN B-5.20-03.
- A DOWN TURNED 90 DEG ELBOW SHALL BE INSTALLED AT THE OUTLET END WHEN THE CATCH BASIN DISCHARGES TO A NON-TREATED SYSTEM. (APPLIES TO 12" DIA. PIPE AND SMALLER)
- THE MAXIMUM DEPTH FROM FINISHED GRADE TO THE LOWEST PIPE INVERT SHALL BE 5'. A TYPE 2 CATCH BASIN IS REQUIRED WHERE DEPTH IS GREATER THAN 5'. SEE STANDARD DETAIL 9-03.

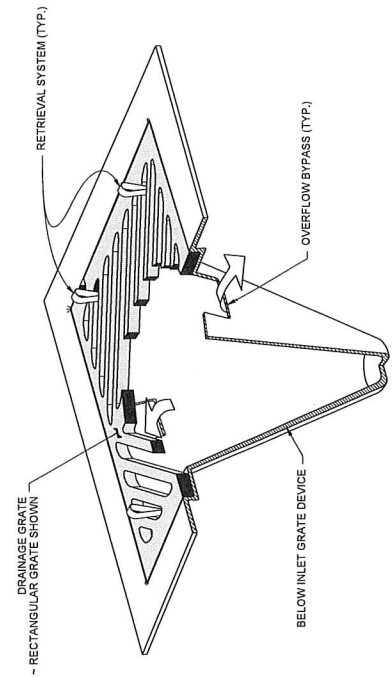
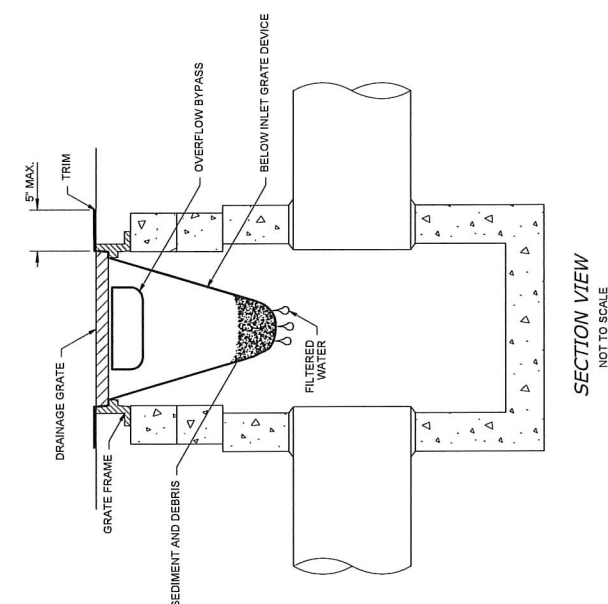
APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	11/2020	CATCH BASIN TYPE 1 IN PAVEMENT AREA	9-01
2022 Standard Drawings			

CATCH BASIN TYPE-1 IN PAVEMENT AREA
DETAIL

9-01
30

NOTES:

- Size the Below Inlet Grate Device (BIGD) for the storm water structure it will service.
- The BIGD shall have a built-in high-flow relief system (overflow bypass).
- The retrieval system must allow removal of the BIGD without spilling the collected material.
- Perform maintenance in accordance with Standard Specification 8-01.3(15).



ISOMETRIC VIEW

SECTION VIEW
NOT TO SCALE

APPROVED BY	REVISED DATE	CITY OF CENTRALIA
CITY ENGINEER	06/2017	STORM DRAIN INLET PROTECTION
2022 Standard Drawings		

STD. PLAN NO.
9-06

INLET PROTECTION
DETAIL

9-06
30

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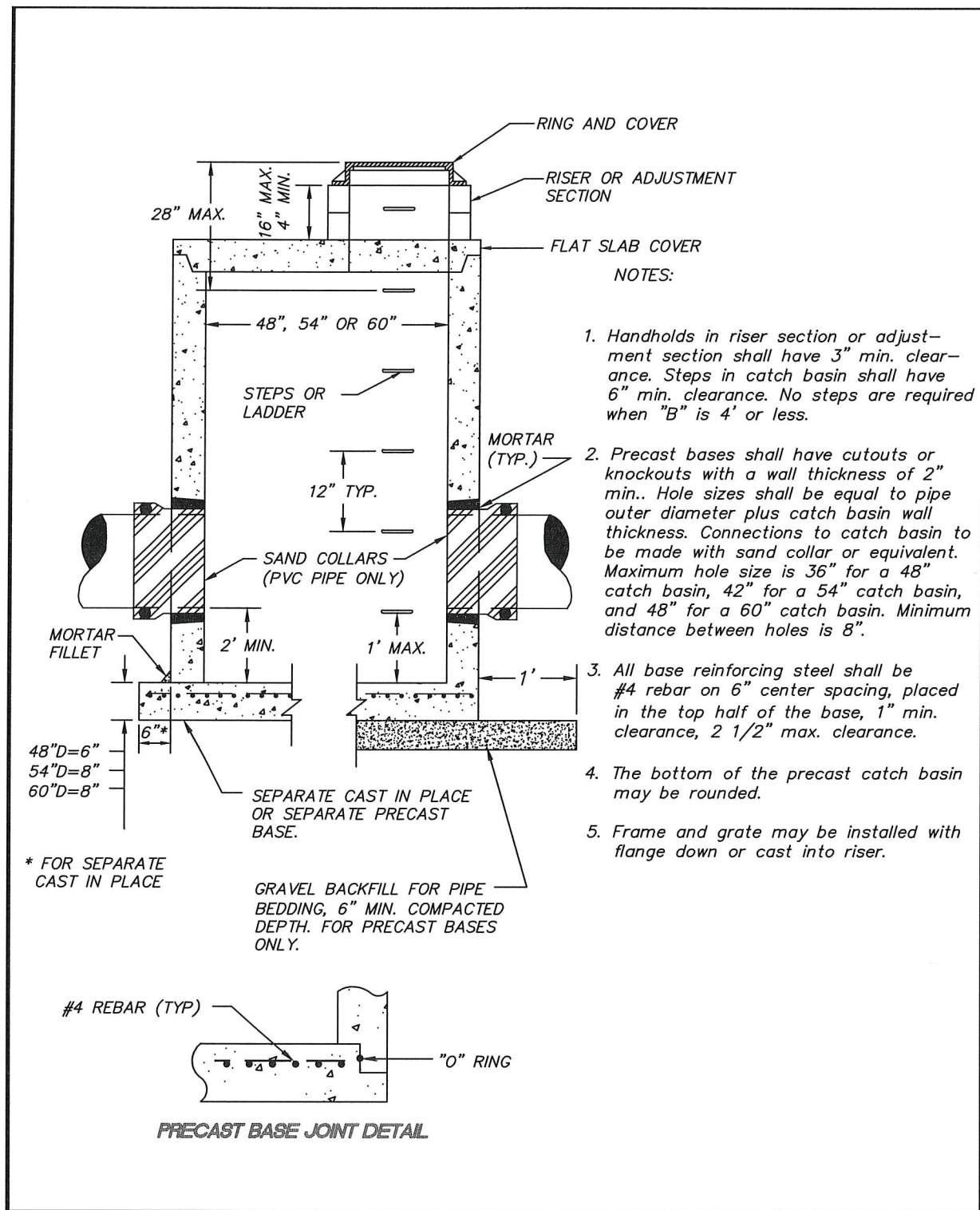
DRAINAGE DETAILS

S YEW ST AND SOUTH ST
IMPROVEMENTS
PW 2025-07

PATRICIA MARIE PAGE
STATE OF WASHINGTON
49840
REGISTERED
PROFESSIONAL ENGINEER

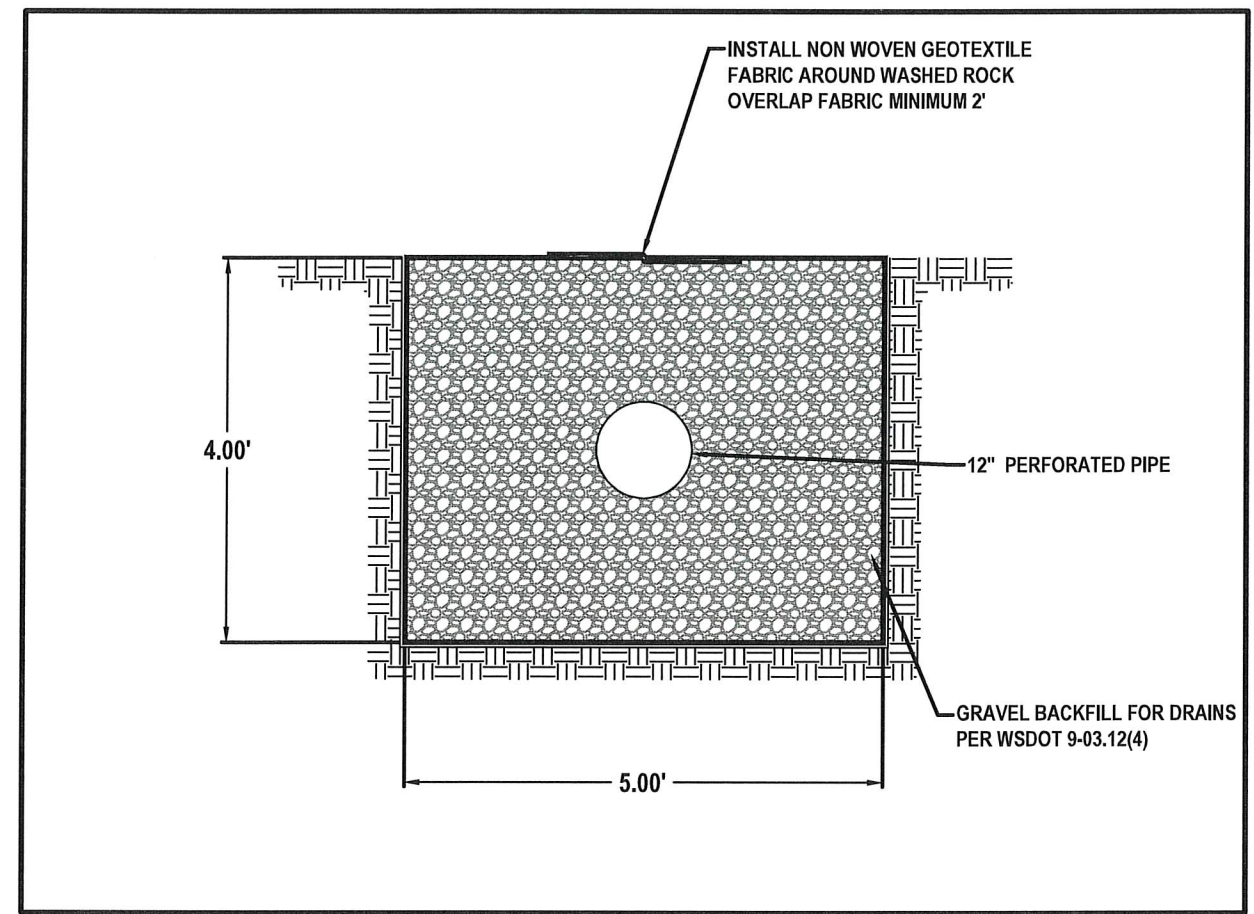
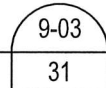
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DD02
30 OF 99

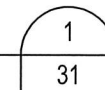


APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	11/2020	CATCH BASIN TYPE 2	9-03
2022 Standard Drawings			

CATCH BASIN TYPE-2
DETAIL



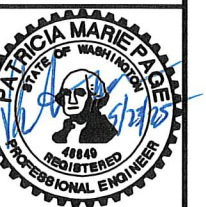
INFILTRATION GALLERY
DETAIL



STORM DETAILS

S YEW ST AND SOUTH ST
IMPROVEMENTS

PW 2025-07



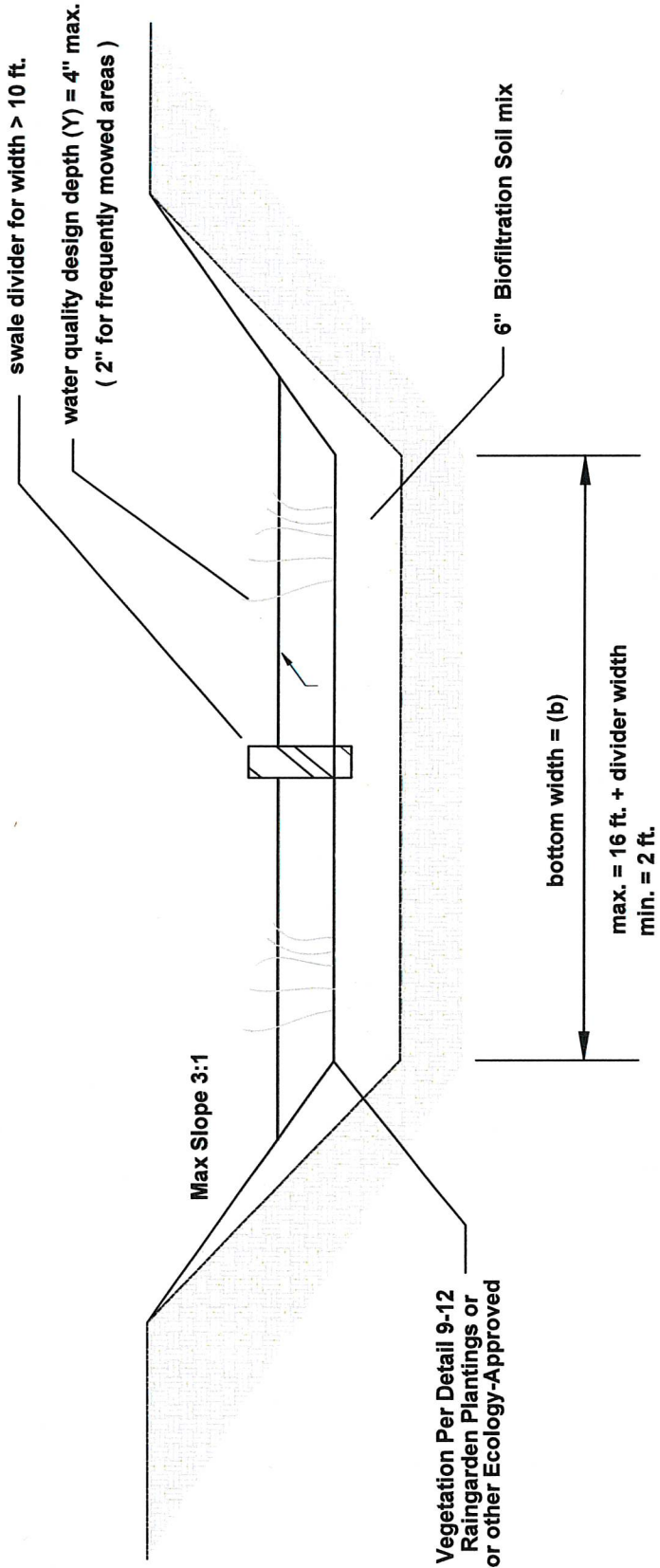
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DD03

31 OF 99

Biofiltration Swale



BIOFILTRATION SWALE
DETAIL

9-01
32

		CITY OF CENTRALIA		REVISED DATE		
		BIOFILTRATION SWALE		06/2022		
					CITY ENGINEER	
				2022 Standard Drawings		
STD. PLAN NO.						
9-13						

Biofiltration Swale and Stormwater Pond
Approved Grasses

Grass Seed Mixes Suitable for Pond and Swale Treatment Areas			
Mix 1		Mix 2	
75–80 percent	tall or meadow fescue	60–70 percent	tall fescue
10–15 percent	seaside/colonial bentgrass	10–15 percent	seaside/colonial bentgrass
5–10 percent	Redtop	10–15 percent	meadow foxtail
	tall or meadow fescue	6–10 percent	alsike clover
		1–5 percent	marshfield big trefoil
		1–6 percent	Redtop

Note: all percentages are by weight. * based on Briargreen, Inc.

Groundcovers and Grasses Suitable for the Upper Side Slopes of Ponds and Swales	
Groundcovers	
kinnikinnick*	Arctostaphylos uva-usri
St. John’s–wort	Hypericum perforatum
Epimedium	Epimedium gradiflorum
creeping forget–me–not	Omphalodes verna
--	Euonymus lanceolata
yellow–root	Xanthorhiza simplissima
--	Genista
white lawn clover	Trifolium repens
white sweet clover*	Melilotus alba
-----	Rubus calycinoides
strawberry*	Fragaria chiloensis
broadleaf lupine*	Lupinus latifolius
Grasses (drought-tolerant, minimum mowing)	
dwarf tall fescues	Festuca spp. (e.g., Many Mustang, Silverado
hard fescue	Festuca ovina duriuscula (e.g., Reliant, Aurora)
tufted fescue	Festuca amethystine
buffalo grass	Buchloe dactyloides
red fescue*	Festuca rubra
tall fescue grass*	Festuca arundinacea
blue oatgrass	Helictotrichon sempervirens

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
	06/2017	APPROVED GRASSES FOR	9-12
CITY ENGINEER		BIOFILTRATION SWALE and	
		STORMWATER POND	
2022 Standard Drawings			

APPROVED GRASSES
DETAIL

9-06
32

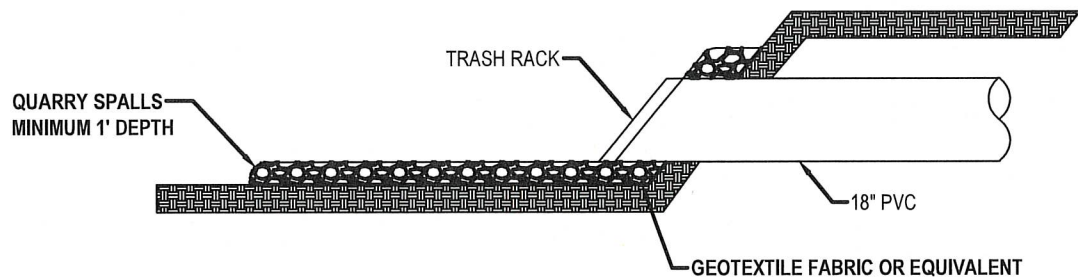
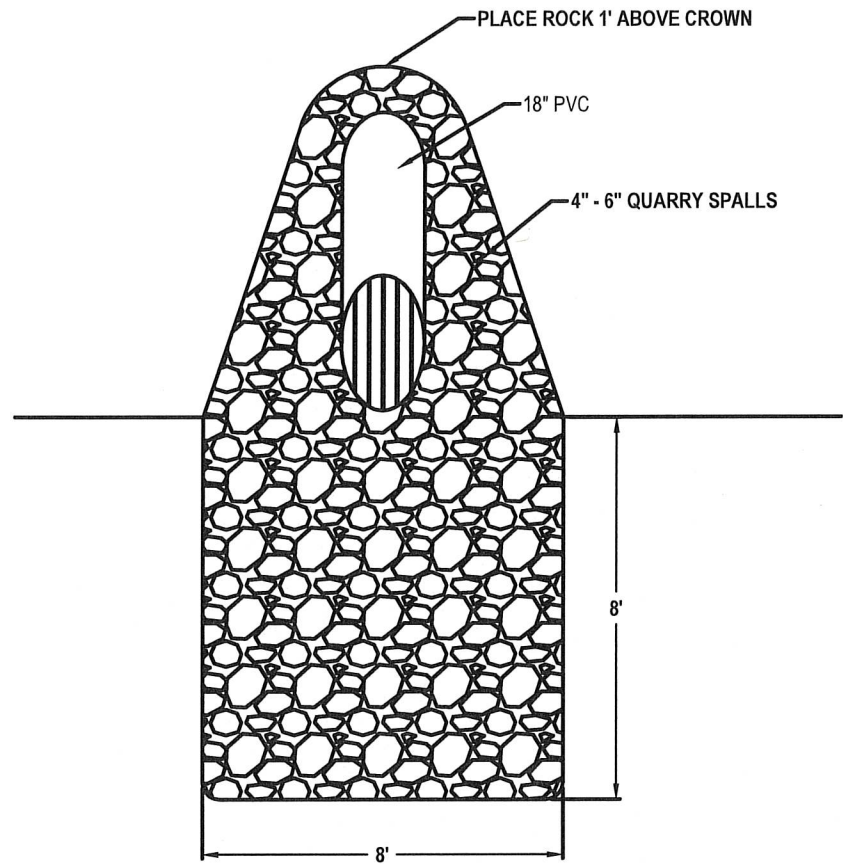
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DRAINAGE DETAILS

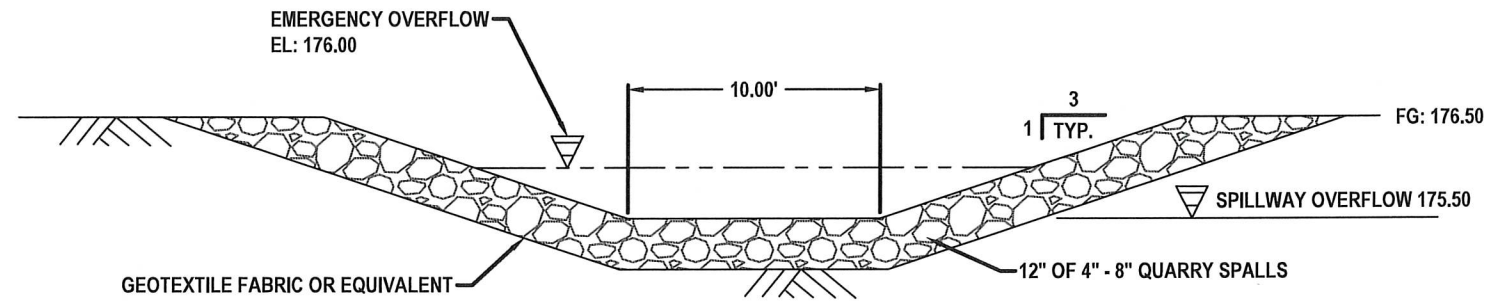
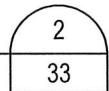
S YEW ST AND SOUTH ST
IMPROVEMENTS
PW 2025-07



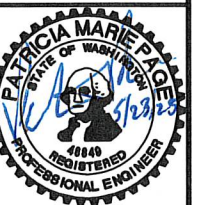
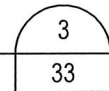
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May, 2025



STORM PIPE OUTFALL
DETAIL



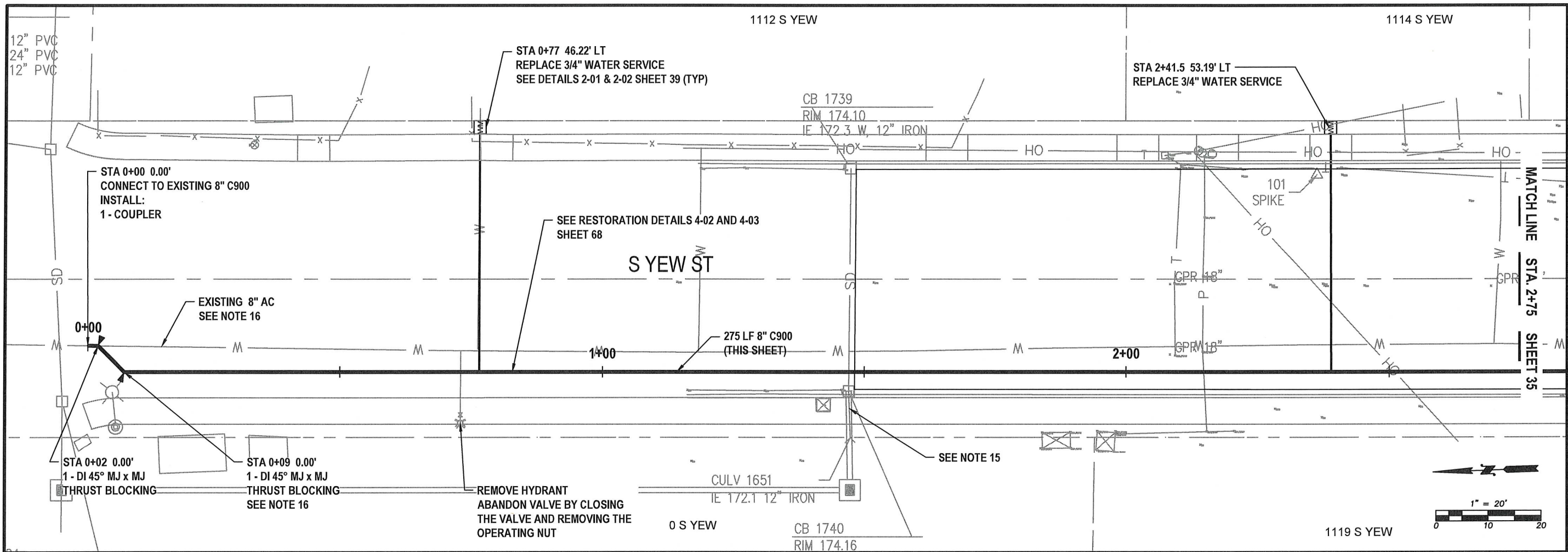
STORM POND SPILLWAY OVERFLOW
DETAIL



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DD05



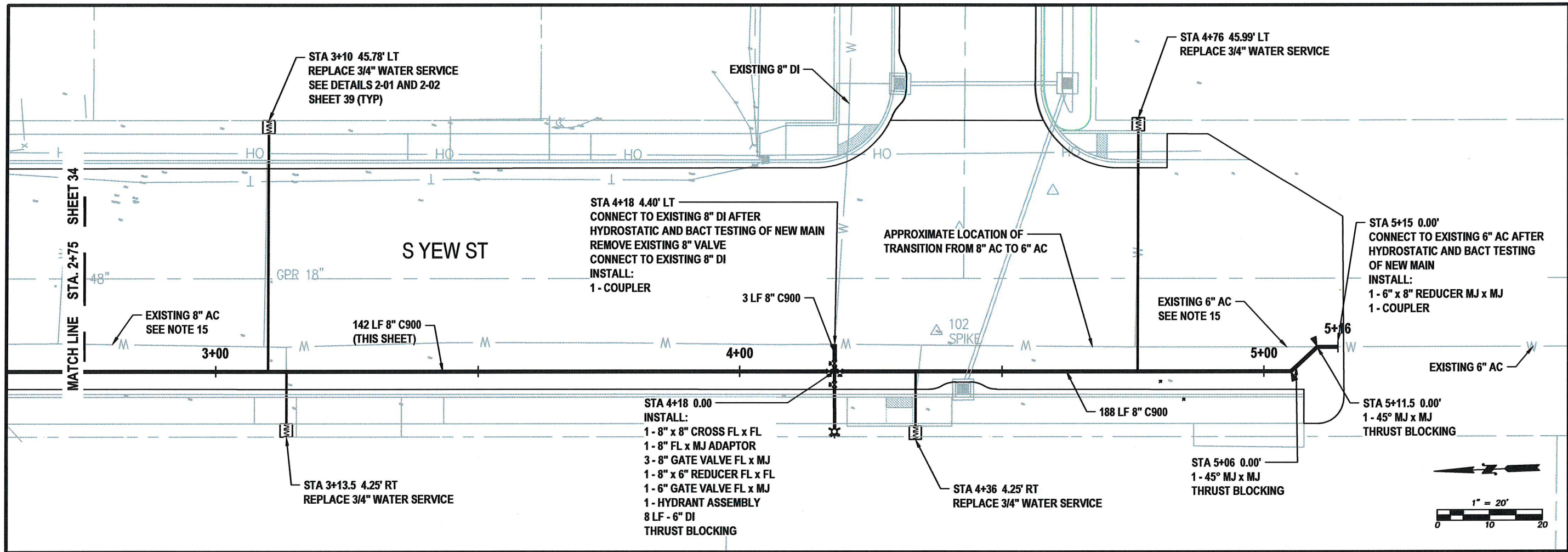
YEW ST - WATER MAIN
STA 0+00 TO 2+75
PLAN VIEW

NOTES:

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONTRACT SPECIFICATIONS AND THESE PLANS.
2. EXISTING UTILITIES SHOWN ON THIS PLAN SHEET ARE FOR REFERENCE ONLY AND ARE NOT EXACT. CONTRACTOR SHALL CALL ONE-CALL LOCATE SERVICE TO DETERMINE LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL FIELD VERIFY UTILITY CROSSINGS AND CONNECTION POINTS BY POT HOLING PRIOR TO CONSTRUCTION. ANY CONFLICTS FOUND WILL BE ADDRESSED BY THE CITY OF CENTRALIA ENGINEERING DEPT. STAFF.
3. ALL EXISTING UTILITIES ARE TO REMAIN IN SERVICE AT ALL TIMES OTHER THAN PLANNED SHUTDOWNS.
4. ALL FITTINGS SHALL BE MEGA-LUG OR APPROVED EQUAL.
5. CONNECTIONS TO EXISTING WATER MAINS SHALL BE MADE WITH APPROVED COUPLER.
6. CONTRACTOR SHALL VERIFY EXISTING PRIVATE SERVICE LINE SIZE AND MATERIAL AND SHALL SUPPLY ALL MATERIALS NEEDED TO RECONNECT TO THE PRIVATE SIDE OF THE NEW METER.
7. RESTORATION IN PAVED AREAS SHALL BE PER DETAIL 4-03 SEE SHEET 68
8. CUSTOMERS SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO ANY SHUTDOWN.
9. ROADWAY MUST REMAIN OPEN TO LOCAL TRAFFIC BUT CAN BE CLOSED TO THROUGHTRAFFIC FOR DURATION OF THE PROJECT. SUBMIT TRAFFIC CONTROL PLAN FOR REVIEW A MINIMUM OF 5 WORKING DAYS IN ADVANCE OF WORK BEGINNING.
10. PROTECT ALL EXISTING STRUCTURES DURING CONSTRUCTION.
11. CONTRACTOR TO COORDINATE ACCESS TO PROPERTIES DURING CONSTRUCTION. NOTIFY ADJACENT PROPERTY OWNERS A MINIMUM OF 48 HOURS PRIOR TO ACCESS IMPACTS.
12. FENCES, BLOCKS AND ANY OTHER LANDSCAPE MATERIALS IN THE RIGHT OF WAY REQUIRED TO BE REMOVED TO COMPLETE THE WORK SHALL BE PLACED NEATLY ON THE ADJACENT PROPERTY. USE CARE WHEN REMOVING. TAKE PICTURES BEFORE/AFTER REMOVAL AND PROVIDE TO THE ENGINEER.
13. PROTECT ALL LANDSCAPE AREAS OUTSIDE OF THE WORK AREA. RESTORE WITH TOPSOIL/SEED UNLESS OTHERWISE NOTED.
14. RESTORATION OUTSIDE PAVED AREAS IN THE RIGHT OF WAY SHALL BE PER DETAIL 4-02 SEE SHEET 67.
15. ADJUST NEW WATER MAIN DEPTH AS NEEDED TO PASS UNDER EXISTING STORM WITH 18" OF SEPARATION. COMPLETE ADJUSTMENT BY USE OF EITHER DEFLECTION AND/OR FITTINGS
16. WATER MAIN WILL REMAIN IN SERVICE DURING CONSTRUCTION OF NEW MAIN. AFTER NEW WATER MAIN IS TESTED AND IN SERVICE, ABANDON AC WATER MAIN IN PLACE BY PLUGGING PER WSDOT SPEC 7-08.3(4)
17. A PLANNED SHUTDOWN WILL BE REQUIRED TO MAKE CONNECTIONS TO EXISTING WATER MAINS. COORDINATE WITH CITY INSPECTOR AND WATER DEPARTMENT TO IDENTIFY AFFECTED CUSTOMERS FOR NOTIFICATION.



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YEW ST - WATER MAIN
STA 2+75 TO 5+50
PLAN VIEW

NOTES:

1. ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS SPECIFIED IN THE CONTRACT SPECIFICATIONS AND THESE PLANS.
2. EXISTING UTILITIES SHOWN ON THIS PLAN SHEET ARE FOR REFERENCE ONLY AND ARE NOT EXACT. CONTRACTOR SHALL CALL ONE-CALL LOCATE SERVICE TO DETERMINE LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL FIELD VERIFY UTILITY CROSSINGS AND CONNECTION POINTS BY POT HOLING PRIOR TO CONSTRUCTION. ANY CONFLICTS FOUND WILL BE ADDRESSED BY THE CITY OF CENTRALIA ENGINEERING DEPT. STAFF.
3. ALL EXISTING UTILITIES ARE TO REMAIN IN SERVICE AT ALL TIMES OTHER THAN PLANNED SHUTDOWNS.
4. ALL FITTINGS SHALL BE MEGA-LUG OR APPROVED EQUAL.
5. CONNECTIONS TO EXISTING WATER MAINS SHALL BE MADE WITH APPROVED COUPLER.
6. CONTRACTOR SHALL VERIFY EXISTING PRIVATE SERVICE LINE SIZE AND MATERIAL AND SHALL SUPPLY ALL MATERIALS NEEDED TO RECONNECT TO THE PRIVATE SIDE OF THE NEW METER.
7. RESTORATION IN PAVED AREAS SHALL BE PER DETAIL 4-03 SEE SHEET 68
8. CUSTOMERS SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO ANY SHUTDOWN.
9. ROADWAY MUST REMAIN OPEN TO LOCAL TRAFFIC BUT CAN BE CLOSED TO THROUGHTRAFFIC FOR DURATION OF THE PROJECT. SUBMIT TRAFFIC CONTROL PLAN FOR REVIEW A MINIMUM OF 5 WORKING DAYS IN ADVANCE OF WORK BEGINNING.
10. PROTECT ALL EXISTING STRUCTURES DURING CONSTRUCTION.
11. CONTRACTOR TO COORDINATE ACCESS TO PROPERTIES DURING CONSTRUCTION. NOTIFY ADJACENT PROPERTY OWNERS A MINIMUM OF 48 HOURS PRIOR TO ACCESS IMPACTS.
12. FENCES, BLOCKS AND ANY OTHER LANDSCAPE MATERIALS IN THE RIGHT OF WAY REQUIRED TO BE REMOVED TO COMPLETE THE WORK SHALL BE PLACED NEATLY ON THE ADJACENT PROPERTY. USE CARE WHEN REMOVING. TAKE PICTURES BEFORE/AFTER REMOVAL AND PROVIDE TO THE ENGINEER.
13. PROTECT ALL LANDSCAPE AREAS OUTSIDE OF THE WORK AREA. RESTORE WITH TOPSOIL/SEED UNLESS OTHERWISE NOTED.
14. RESTORATION OUTSIDE PAVED AREAS IN THE RIGHT OF WAY SHALL BE PER DETAIL 4-02 SEE SHEET 67.
15. WATER MAIN WILL REMAIN IN SERVICE DURING CONSTRUCTION OF NEW MAIN. AFTER NEW WATER MAIN IS TESTED AND IN SERVICE, ABANDON AC WATER MAIN IN PLACE BY PLUGGING PER WSDOT SPEC 7-08.3(4)
16. A PLANNED SHUTDOWN WILL BE REQUIRED TO MAKE CONNECTIONS TO EXISTING WATER MAINS. COORDINATE WITH CITY INSPECTOR AND WATER DEPARTMENT TO IDENTIFY AFFECTED CUSTOMERS FOR NOTIFICATION.



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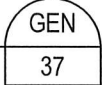
WT02

WATER MAIN INSTALLATION
GENERAL NOTES

1. All workmanship and material shall be in accordance with the City of Centralia standards and the most current copy of the State of Washington Specifications for Road, Bridge and Municipal Construction, Washington Department of Health regulations and American Water Works Association standards.
2. All water lines 12" and larger shall be made of ductile iron, thickness class 52 and a rated working pressure of 350 PSI conforming to AWWA C151. All pipe shall be cement mortar lined per AWWA C104 with push on joints conforming to AWWA C111. Water lines under 12" diameter may be P.V.C. C-900 DR14.
3. Fittings shall be class 250 cement mortar lined ductile iron with mechanical joint or ANSI flanges. All bolted fittings shall be dressed with an Anti-Seize product for protection. All ductile iron fitting connection(s) shall be completed by the use of mega-lugs. When connecting to an existing inline water main, all connections will be made using a Ductile Iron (DI) sleeve, with mega-lugs, or Romac Alpha coupling except when connecting to a AC main where a Hymax coupler (or equal) will be used. All fittings will use 304A or better stainless steel, Corten Steel, or Xylan coated (Blue Bolts) bolts
4. Gate valves shall be resilient wedge, NRS (Non-Rising Stem) with O-ring seals. Valve ends shall be mechanical joint or ANSI flanges. Valves shall conform to AWWA (latest) 509 std. Valves shall be Mueller, M & H, Clow, Waterous, Kennedy or American AVK. Existing valves shall be operated by City employees only.
5. All NIBCO Gate Valves must have brass handles.
6. A valve stem riser shall be installed on all valves where the depth from finish grade to the top of the valve exceeds 1.5'.
7. Fire hydrants shall be 3-port M & H Reliant Style 129, Mueller Centurion, 5 1/4" with steamer port thread of 498. The distance between operating nut and break away flange shall be 32 inches in vertical measurement. All hydrant shoes shall be epoxy coated. Each hydrant shall be provided with a Storz coupler on the steamer port. All hydrants shall be bagged until system is approved.
8. Brass wedges shall be installed in all ductile iron joints for continuity, two (2) per section of pipe. P.V.C. pipe, C.T.S. HDPE sch. 200 psi pipe shall be installed with a toning (tracer) wire. Toning wire shall be UL listed, type UF, solid core, 12 gauge insulated copper and shall be taped to the top of the pipe to prevent movement during backfilling. The wire shall be laid loosely enough to prevent stretching and damage. The wire shall be brought up and tied off at valve body or meter setting.
9. The contractor shall maintain a min. cover of 30 inches and a max. cover of 36 inches over the pipe at all times.
10. All water mains shall be staked for grade and alignment by the design engineer or a licensed land surveyor. All vertical control shall be established using the 1988 USGS Datum.
11. All new water mains shall be filled and chlorinated for a minimum of 24 hrs prior to flushing. Contractor shall coordinate with the City to have lines filled and flushed.
12. Bacteria sampling of potable water lines shall be performed by the City prior to hydrostatic pressure testing. Contractor shall provide an approved sampling bottle from the Lewis County Health Dept., 360 NW North St, Chehalis, WA 98532
13. All pipe and appurtenances shall be hydrostatically tested at 225 PSI (min.) for 15 minutes and witnessed by the City. Fire line testing behind the metering vault shall be coordinated with Riverside Fire authority.
14. Service lines of 3/4" and 1" shall be type "K" copper or copper tubing size (C.T.S.) Blue HDPE Polyethylene, 200 psi pipe. Galvanized fittings shall not be used in construction of service lines.
Note: In soil sensitive areas, service lines may be constructed of HDPE-cl200psi. Toning (tracer) wire is required when using HDPE pipe water mains/services. Services larger than 1" may be Blue HDPE or brass.
15. For any water main tap to existing City mains where the contractor encounters a coupling or existing assemblies, the contractor shall provide a minimum of 18" of clearance from coupling or assemblies to edge of tapping sleeve and the tapping process shall be witnessed by the City with 2 days prior notice.

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
CITY ENGINEER	08/2024	WATER MAIN INSTALLATION GENERAL NOTES	1 OF 2
2022 Standard Drawings			

WATER GENERAL NOTES
DETAIL



WATER MAIN INSTALLATION
GENERAL NOTES

16. Where the water line crosses a sanitary sewer, the water line shall be above the sewer line whenever possible, with a separation of at least 18 inches between the invert of the water line and the crown of the sewer pipe. If this criteria can not be achieved the sewer pipe shall be cased within ductile iron pipe for a distance of 10 feet either side of the water line.
17. All "LONG SIDE SERVICES" shall be cased in 160 psi pipe.
18. Water services noted as "long side" shall require a schedule 160 PVC pipe as a casing to cross the R.O.W.

3/4" service - casing dia. 1.5" 1.5" service - casing dia. 3"
1" service - casing dia. 2" 2" service - casing dia. 3"
19. ALL ASBESTOS PIPE WORKMANSHIP MUST FOLLOW THE GUIDE LINES SET FORTH BY THESE AGENCIES:
Southwest Washington Air Pollution Control Authority (SWAPCA) and Labor and Industries (L&I).
20. Call the Underground Location Center at 1-800-424-5555 or 811 at least 48 hours before any excavation.

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
CITY ENGINEER	08/2024	WATER MAIN INSTALLATION GENERAL NOTES	2 OF 2
2022 Standard Drawings			

CITY OF CENTRALIA
PUBLIC WORKS
ENGINEERING DEPT.
1100 N. TOWER AVE
CENTRALIA, WA 98531
P: 360.330.7512 F: 360.330.7516
CITY OF CENTRALIA.COM

WATER DETAILS

S YEW ST AND SOUTH ST
IMPROVEMENTS
PW 2025-07

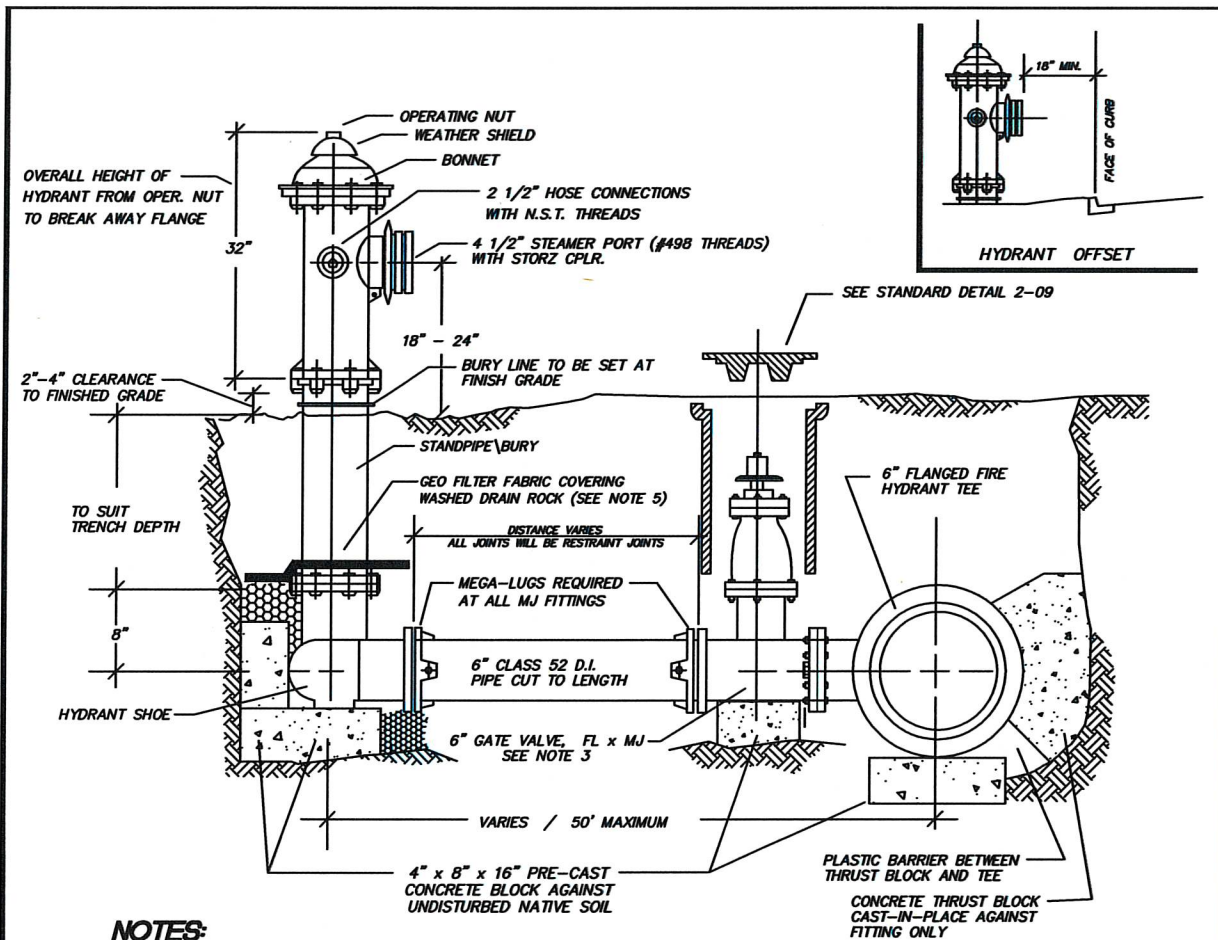


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May, 2025

WD01

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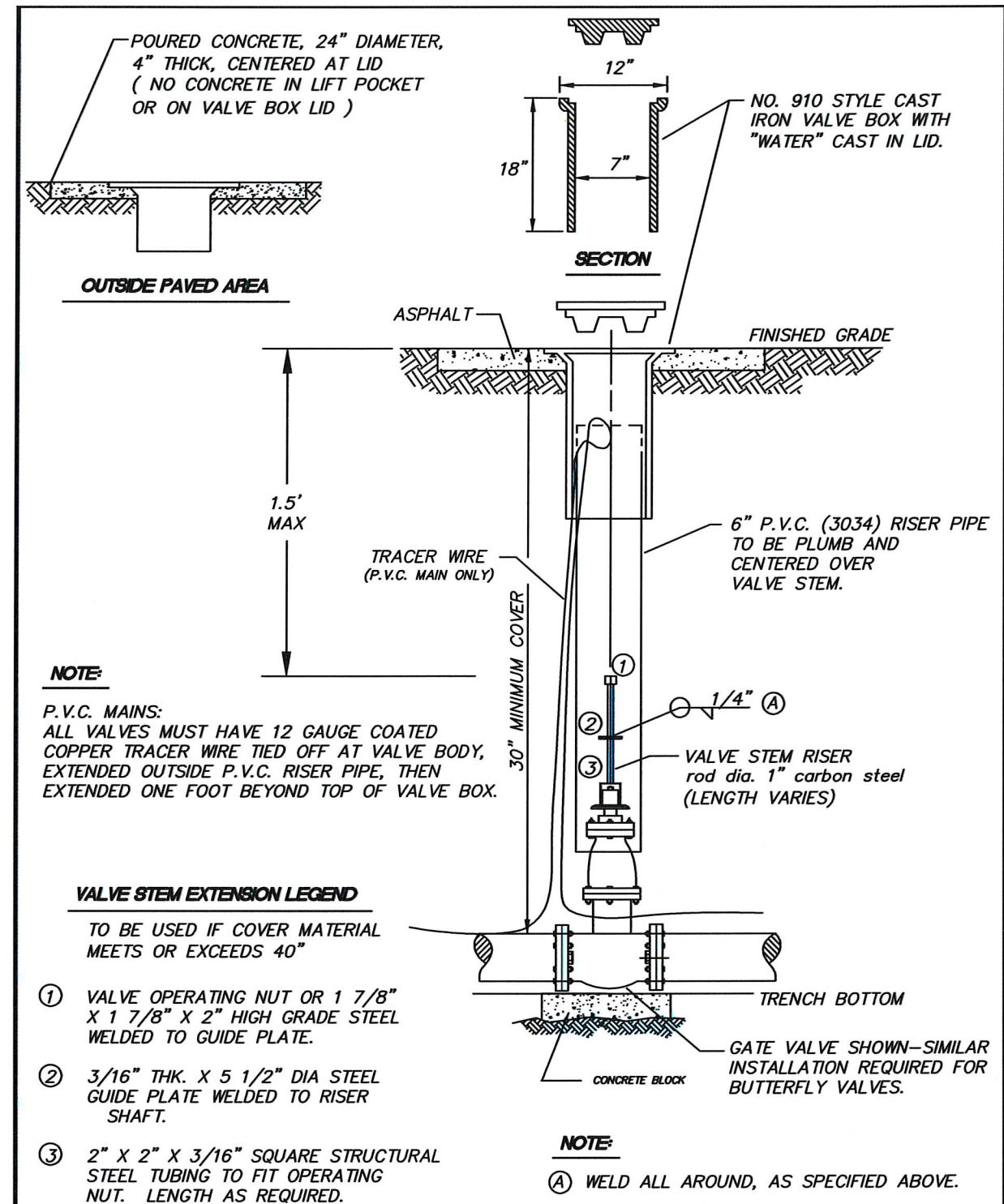
NOTES:

- HYDRANTS SHALL BE LOCATED WITH A MINIMUM FIVE FOOT RADIUS UNOBSTRUCTED WORKING AREA PROVIDED, AND IN NO CASE SHALL BE LOCATED IN SIDEWALK.
- HYDRANT SHALL BE WATEROUS CLASSIC PACER WB67-250, DRESSER M&H RELIANT STYLE 129 OR MUELLER CENTURION CHECK VERTICAL DISTANCE BETWEEN OPERATING NUT AND BREAK AWAY FLANGE (31-32 inches).
- HYDRANTS SHALL BE PAINTED SUNBURST YELLOW - HIGH GRADE ENAMEL, AFTER INSTALLATION
- HYDRANTS SHALL HAVE A MINIMUM BURY OF 30 INCHES
- GATE VALVES SHALL BE RESILIENT WEDGE NRS WITH O-RING SEALS. VALVE ENDS SHALL BE MECHANICAL JOINT BY ANSI FLANGES. VALVES SHALL CONFORM TO AWWA C515.
- FILTER FABRIC MATERIAL SHALL BE USED IN CONJUNCTION WITH THE USE OF DRAIN ROCK. THE APPLICATION OF THE FILTER FABRIC MATERIAL SHALL MINIMIZE THE IMPACT OF THE NATIVE SOIL IN THE FUNCTION OF THE DRAIN ROCK.
- ALL MECHANICAL BOLTS TO FITTINGS SHALL HAVE ANTI-SEIZE COMPOUND APPLIED TO THE BOLTS
- POURED IN PLACE CONCRETE BLOCKING, BLOCK SIZE - (2 FT. WIDE, 2 FT. DEEP, AND 2 FT. MIN. LENGTH TO UNDISTURBED NATIVE SOIL - NOTE LENGTH IS A VARIABLE DEPENDING UPON DISTANCE TO UNDISTURBED NATIVE SOIL.
- ALL HYDRANTS SHALL HAVE EPOXY COATED SHOE.
- 4" x 8" x 16" PRE-CAST CONCRETE BLOCKS REQUIRED AT EACH TEE, VALVE AND UNDER/BEHIND HYDRANT SHOE.
- SEE HYDRANT PAD DETAIL FOR DITCH CROSSINGS AND EMBANKMENT APPLICATIONS

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	01/2024	FIRE HYDRANT DETAIL	2-12
2022 Standard Drawings			

FIRE HYDRANT
DETAIL

2-12
38



NOTE:

P.V.C. MAINS:
ALL VALVES MUST HAVE 12 GAUGE COATED COPPER TRACER WIRE TIED OFF AT VALVE BODY, EXTENDED OUTSIDE P.V.C. RISER PIPE, THEN EXTENDED ONE FOOT BEYOND TOP OF VALVE BOX.

VALVE STEM EXTENSION LEGEND

TO BE USED IF COVER MATERIAL MEETS OR EXCEEDS 40"

- VALVE OPERATING NUT OR 1 7/8" X 1 7/8" X 2" HIGH GRADE STEEL WELDED TO GUIDE PLATE.
- 3/16" THK. X 5 1/2" DIA STEEL GUIDE PLATE WELDED TO RISER SHAFT.
- 2" X 2" X 3/16" SQUARE STRUCTURAL STEEL TUBING TO FIT OPERATING NUT. LENGTH AS REQUIRED.

NOTE:

Ⓐ WELD ALL AROUND, AS SPECIFIED ABOVE.

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	02/2020	STANDARD VALVE BOX	2-09
2022 Standard Drawings			

STANDARD VALVE BOX
DETAIL

2-09
38

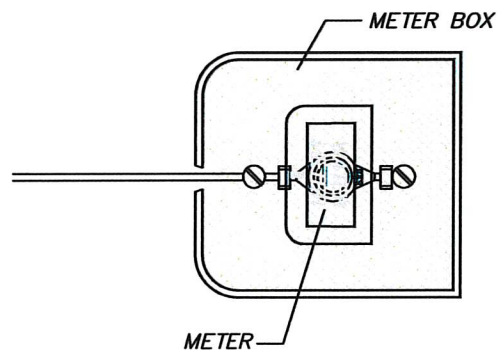


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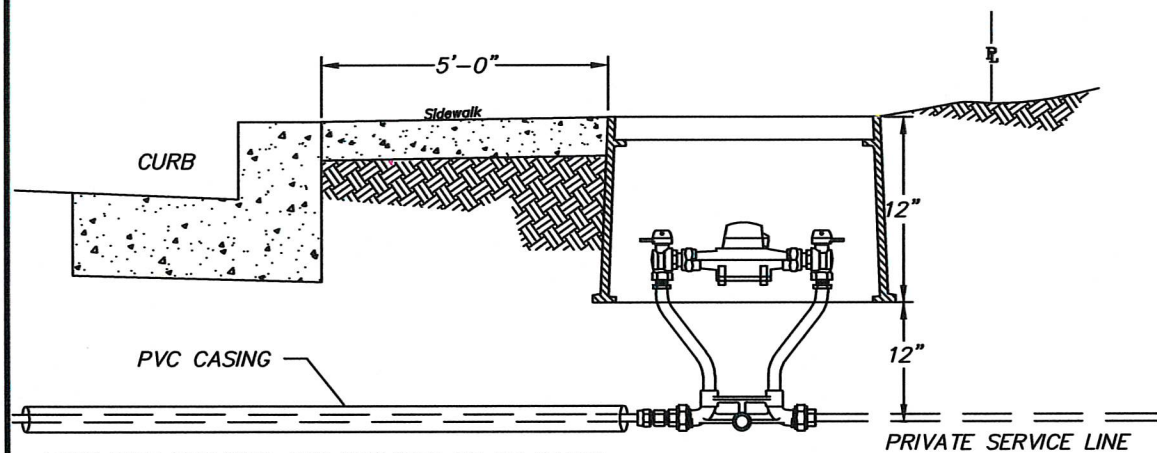
May, 2025

WD02

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METER BOX - TYPE - Carson Heavy Wall as shown on the detail for specific meter size
DUCTILE IRON COVER w/ FLIP READER LIDS, as shown on details
All appurtenances placed inside meter box shall be centered to
operate valves and read the meter.

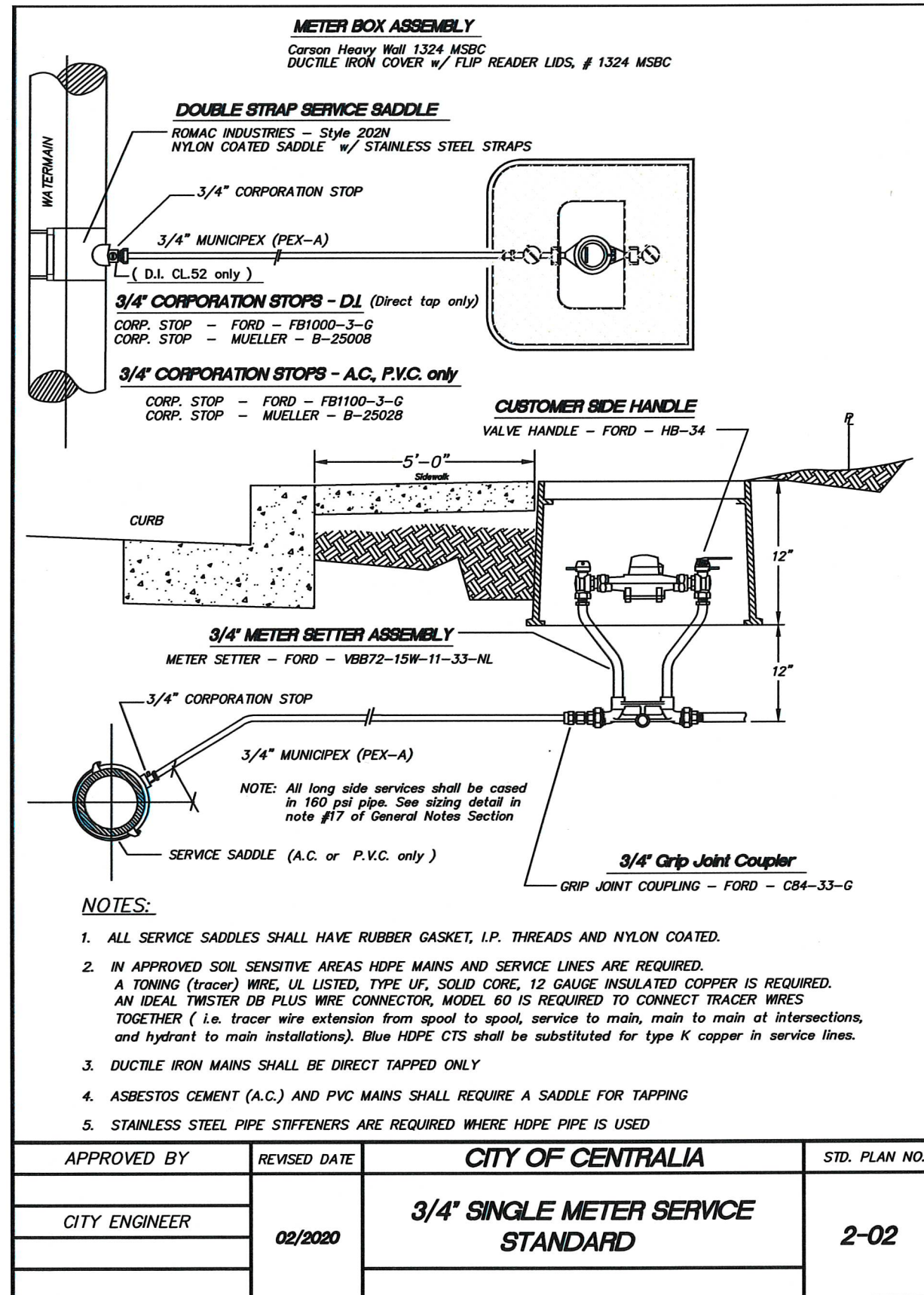


LONG SIDE SERVICES ARE REQUIRED TO BE CASED
SEE DETAILS ON WATER MAIN INSTALLATION GENERAL NOTES SECTION

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	04/2019	TYPICAL METER PLACEMENT	2-01
2022 Standard Drawings			

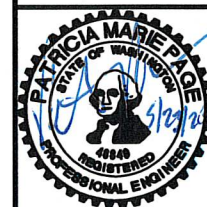
TYPICAL METER PLACEMENT
DETAIL

2-01
39



3/4" SINGLE METER
DETAIL

2-02
39

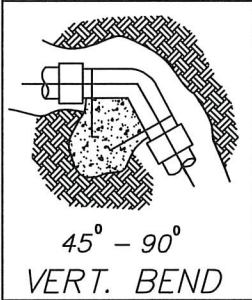
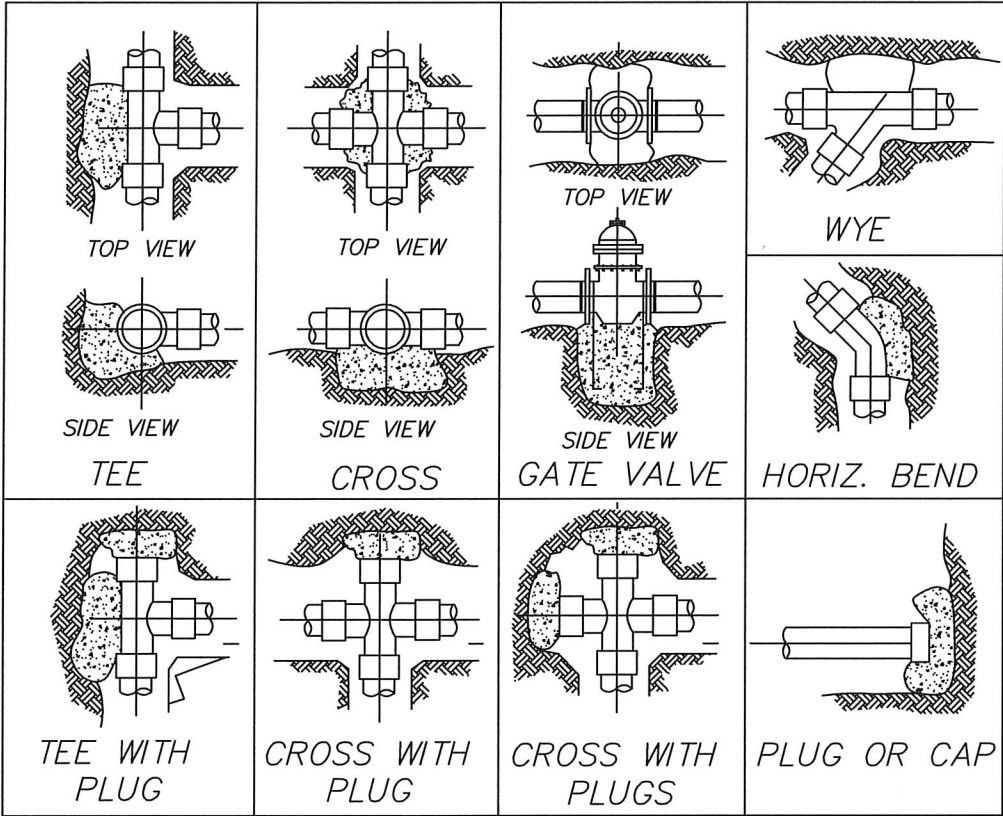


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WD03

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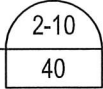


NOTES:

1. CONCRETE THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
2. PLASTIC BARRIER (12 MIL.), SHALL BE PLACED BETWEEN ALL THRUST BLOCKS & FITTINGS
3. ANCHOR REBAR SHALL BE #8 ON 12" DIA. AND LESS WITH 30" EMBEDMENT, #8 ON 16"-24" DIAMETER WITH 36" EMBEDMENT.
4. ALL FITTINGS TO BE MJ-MEGA LUG RETAINER GLANDS
5. PLUGS TO BE MINIMUM OF 5' FROM TEE, WYE OR CROSS ON VALVE
6. ALL MECHANICAL BOLTS TO FITTINGS SHALL HAVE ANTI-SEIZE COMPOUND APPLIED TO THE BOLTS
7. NO CONCRETE WILL COME IN CONTACT WITH ANY MECHANICAL JOINTS

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	06/2017	STANDARD BLOCKING DETAIL	2-10
2022 Standard Drawings			

STANDARD BLOCKING
DETAIL



THRUST LOADS

THRUST AT FITTINGS IN POUNDS AT 200 POUNDS PER SQUARE INCH OF WATER PRESSURE					
PIPE DIAMETER	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND	DEAD END OR TEE
4"	3,600	2,000	1,000	500	2,600
6"	8,000	4,400	2,300	1,200	5,700
8"	14,300	7,700	4,000	2,000	10,100
10"	22,300	12,100	6,200	3,100	15,800
12"	32,000	17,400	8,900	4,500	22,700
14"	43,600	23,600	12,100	6,100	30,800
16"	57,000	30,800	15,700	7,900	40,300

NOTES:

1. BLOCKING SHALL BE CEMENT CONCRETE CLASS "B" POURED IN PLACE AGAINST UNDISTURBED EARTH. FITTING SHALL BE ISOLATED FROM CONCRETE THRUST BLOCK WITH PLASTIC OR SIMILAR MATERIAL.
2. TO DETERMINE THE BEARING AREA OF THE THRUST BLOCK IN SQUARE FEET (S.F.):
EXAMPLE: 12" - 90 DEG. BEND IN SAND AND GRAVEL
32,000 LBS : 3000 LB/S.F. = 10.7 S.F. OF AREA
3. AREAS MUST BE ADJUSTED FOR OTHER PIPE SIZE, PRESSURES AND SOIL CONDITIONS.
4. BLOCKING SHALL BE ADEQUATE TO WITHSTAND FULL TEST PRESSURE AS WELL AS TO CONTINUOUSLY WITHSTAND OPERATING PRESSURE UNDER ALL CONDITIONS OF SERVICE.
5. BLOCKING FOR PIPES LESS THAN 4" DIA. WILL USE 4" PIPE VALUES.

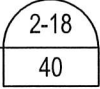
SAFE SOIL BEARING LOADS

FOR HORIZONTAL THRUSTS WHEN THE DEPTH OF COVER OVER THE PIPE EXCEEDS 2 FEET

SOIL	POUNDS PER SQUARE FOOT
MUCK,PEAT	0
SOFT CLAY	1,000
SAND	2,000
SAND & GRAVEL	3,000
SAND & GRAVEL CEMENTED WITH CLAY	4,000
HARD SHALE	10,000

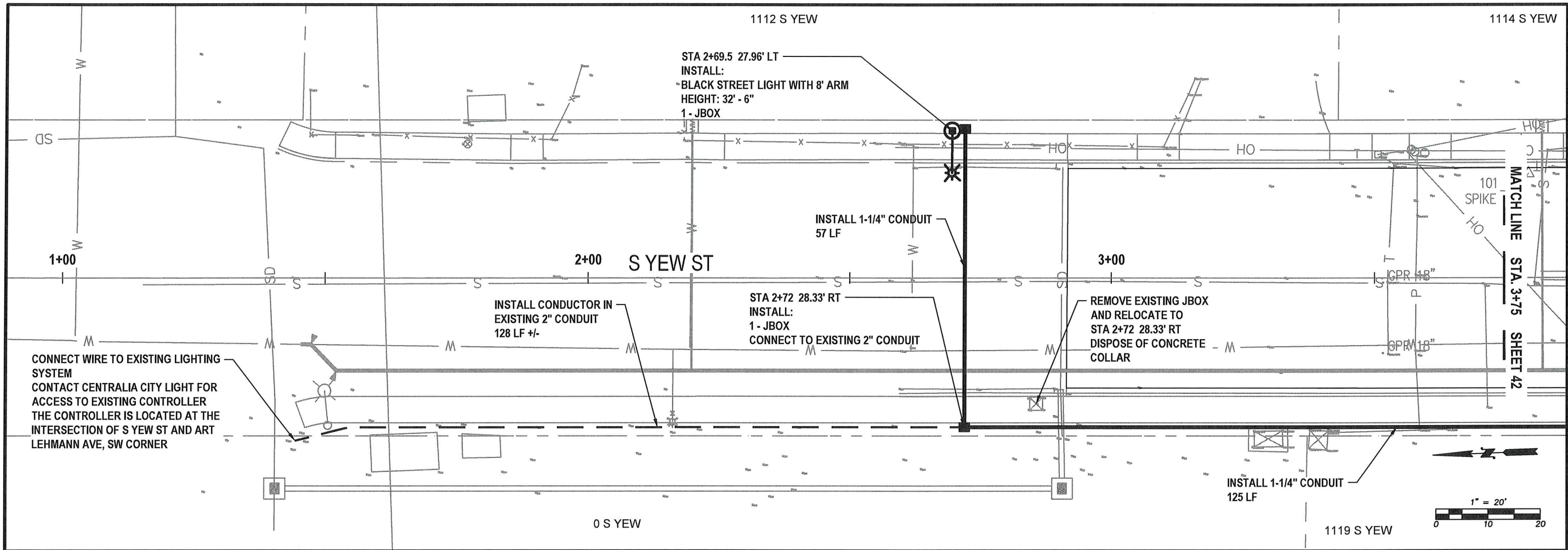
APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	06/2017	THRUST LOADS	2-18
2022 Standard Drawings			

THRUST LOADS
DETAIL



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May, 2025



YEW ST - LIGHTING
STA 1+00 TO 3+75
PLAN VIEW

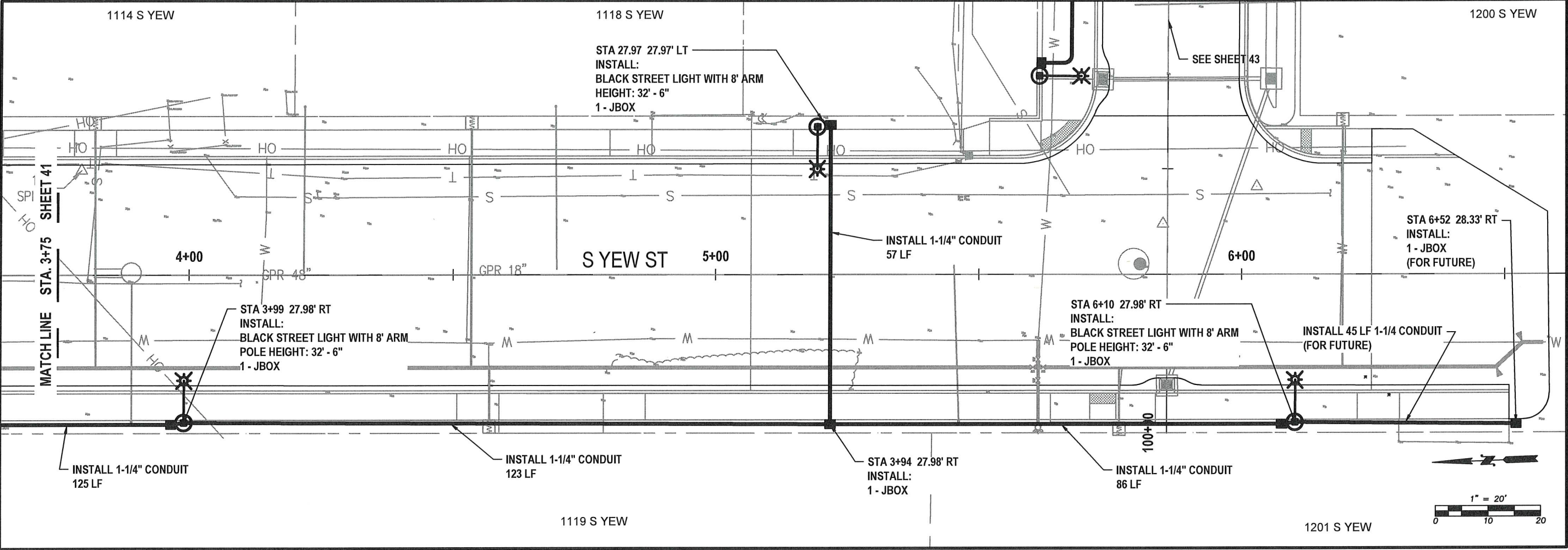
NOTES:

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3. ALL EXISTING UTILITIES ARE TO REMAIN IN SERVICE AT ALL TIMES OTHER THAN PLANNED SHUTDOWNS.
4. CONTRACTOR SHALL VERIFY EXISTING PRIVATE SERVICE LINE SIZE AND MATERIAL AND SHALL SUPPLY ALL MATERIALS NEEDED TO RECONNECT TO THE PRIVATE SIDE OF THE NEW METER.
5. RESTORATION IN PAVED AREAS SHALL BE PER DETAIL 4-03 SEE SHEET 68
6. ROADWAY MUST REMAIN OPEN TO LOCAL TRAFFIC BUT CAN BE CLOSED TO THROUGHTRAFFIC FOR DURATION OF THE PROJECT. SUBMIT TRAFFIC CONTROL PLAN FOR REVIEW A MINIMUM OF 5 WORKING DAYS IN ADVANCE OF WORK BEGINNING.
7. PROTECT ALL EXISTING STRUCTURES DURING CONSTRUCTION.
8. CONTRACTOR TO COORDINATE ACCESS TO PROPERTIES DURING CONSTRUCTION. NOTIFY ADJACENT PROPERTY OWNERS A MINIMUM OF 48 HOURS PRIOR TO ACCESS IMPACTS.
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10. PROTECT ALL LANDSCAPE AREAS OUTSIDE OF THE WORK AREA. RESTORE WITH TOPSOIL/SEED UNLESS OTHERWISE NOTED.
11. RESTORATION OUTSIDE PAVED AREAS IN THE RIGHT OF WAY SHALL BE PER DETAIL 4-02 SEE SHEET 67.
12. THE CONTRACTOR WILL BE RESPONSIBLE FOR INSTALLING THE LIGHT POLE FOUNDATIONS, LIGHT POLES, J-BOXES, CONDUIT AND CONDUCTOR NECESSARY FOR THE NEW STREET LIGHTING SYSTEM TO FUNCTION
13. THE CONTRACTOR WILL COORDINATE WITH CENTRALIA CITY LIGHT WHEN THE LIGHTING SYSTEM IS COMPLETE FOR CONNECTION TO EXISTING SYSTEM OR CONTROLLER.
14. SEE SHEETS 51 AND 52 FOR LIGHTING REQUIREMENTS.



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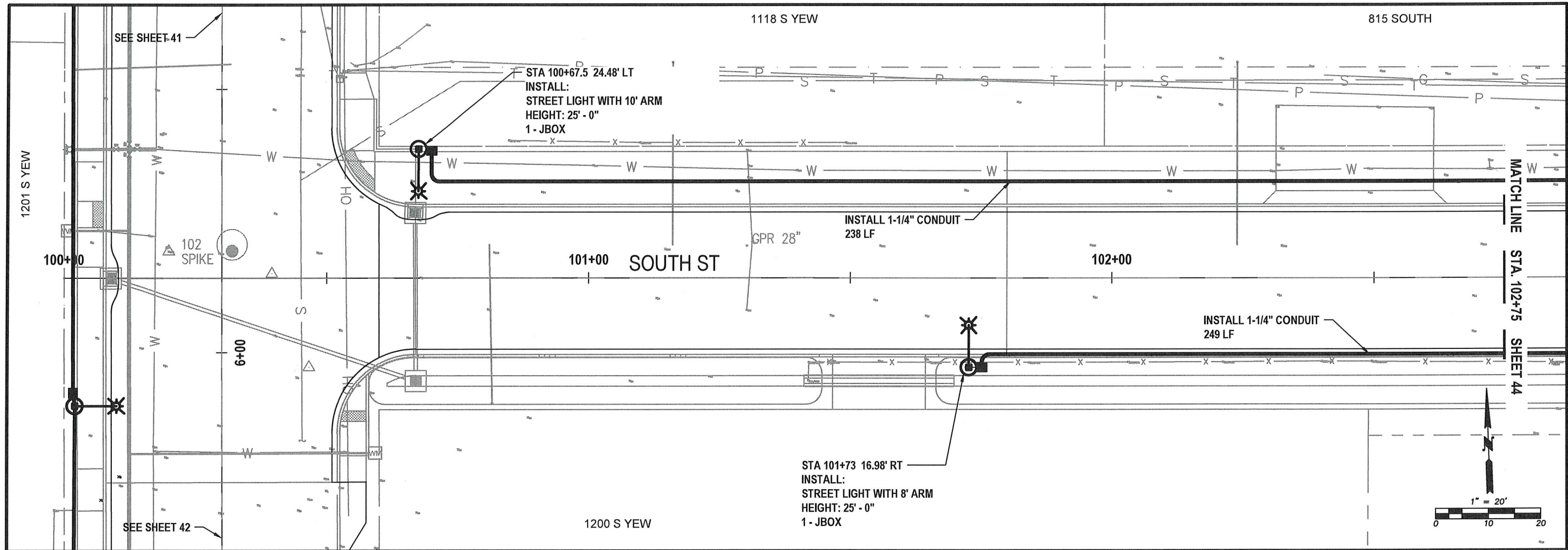


YEW ST - LIGHTING
STA 3+75 TO 6+50
PLAN VIEW

- NOTES:
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 13. THE CONTRACTOR WILL COORDINATE WITH CENTRALIA CITY LIGHT WHEN THE LIGHTING SYSTEM IS COMPLETE FOR CONNECTION TO EXISTING SYSTEM OR CONTROLLER.
 14. SEE SHEETS 51 AND 52 FOR LIGHTING REQUIREMENTS.



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SOUTH ST - LIGHTING
STA 100+00 TO 102+75
PLAN VIEW

NOTES:

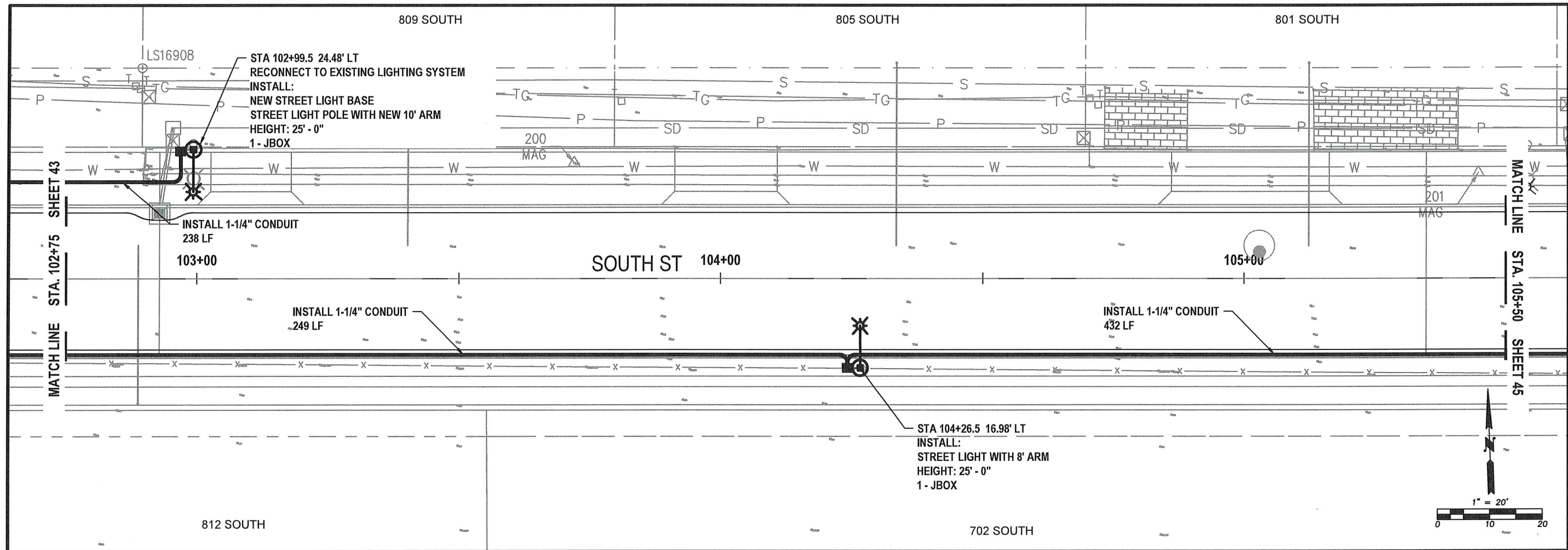
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14. SEE SHEETS 51 AND 52 FOR LIGHTING REQUIREMENTS.



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May, 2025

LT03



SOUTH ST - LIGHTING
STA 102+75 TO 105+50
PLAN VIEW

NOTES:

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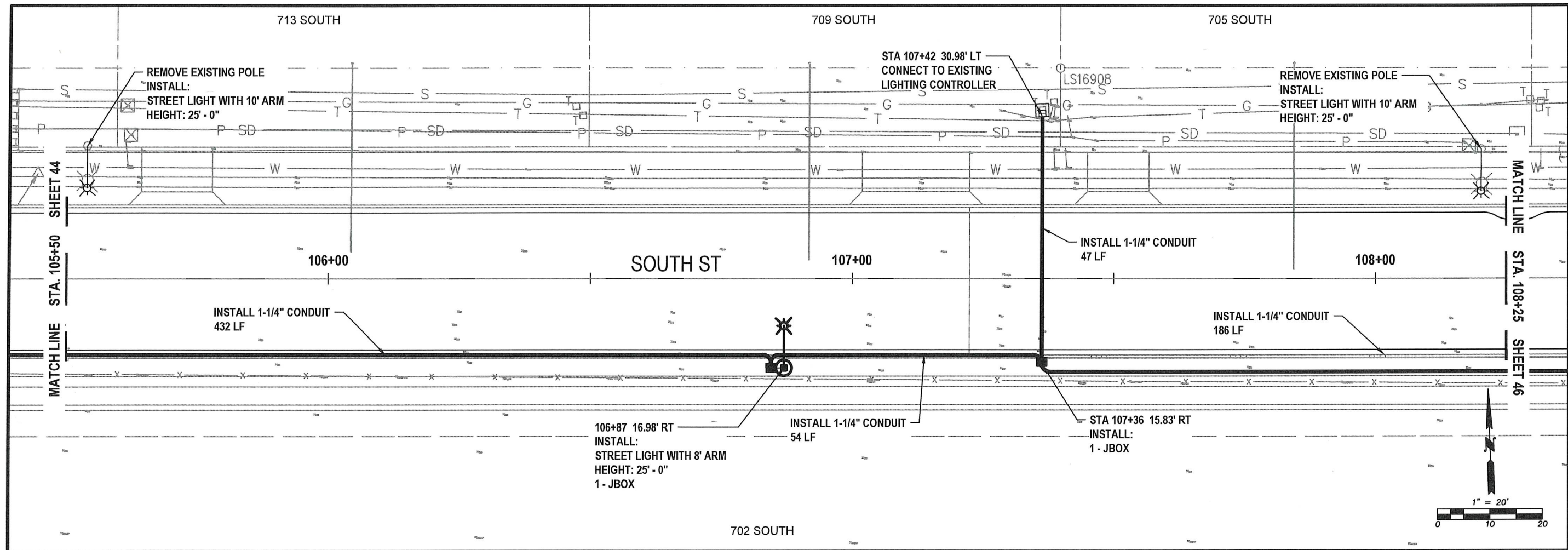
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LT04

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SOUTH ST - LIGHTING STA 105+50 TO 108+25 PLAN VIEW

NOTES:

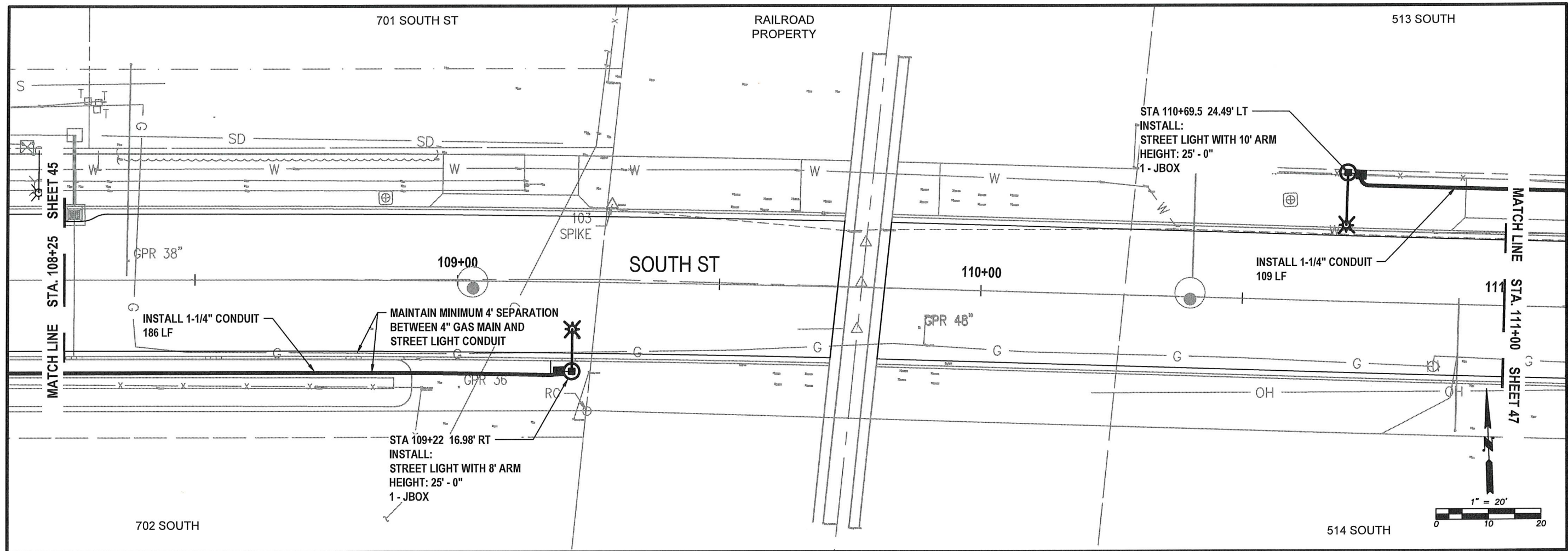
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- SEE SHEETS 51 AND 52 FOR LIGHTING REQUIREMENTS.



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DRAWN BY: J. DEBUSK
SURVEYED BY: J. DEBUSK
CHECKED BY: P. PAGE

May, 2025

LT05



SOUTH ST - LIGHTING **STA 108+25 TO 111+00** **PLAN VIEW**

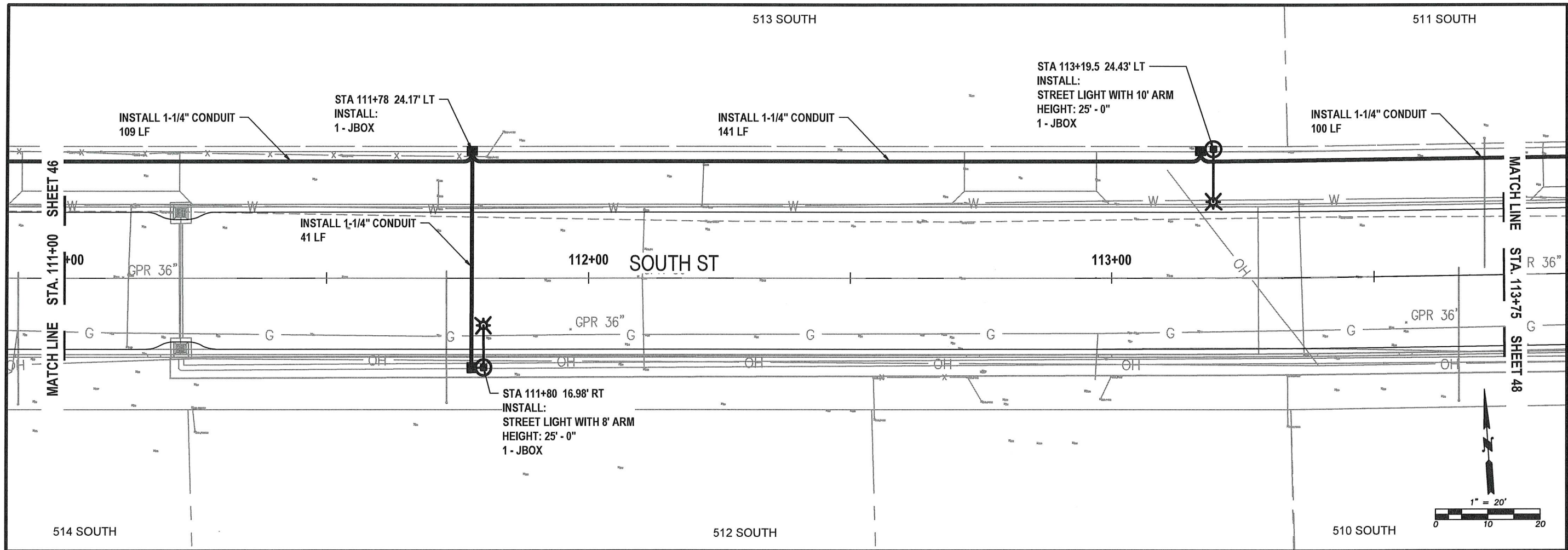
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LT06



SOUTH ST - LIGHTING
STA 111+00 TO 113+75
PLAN VIEW

NOTES:

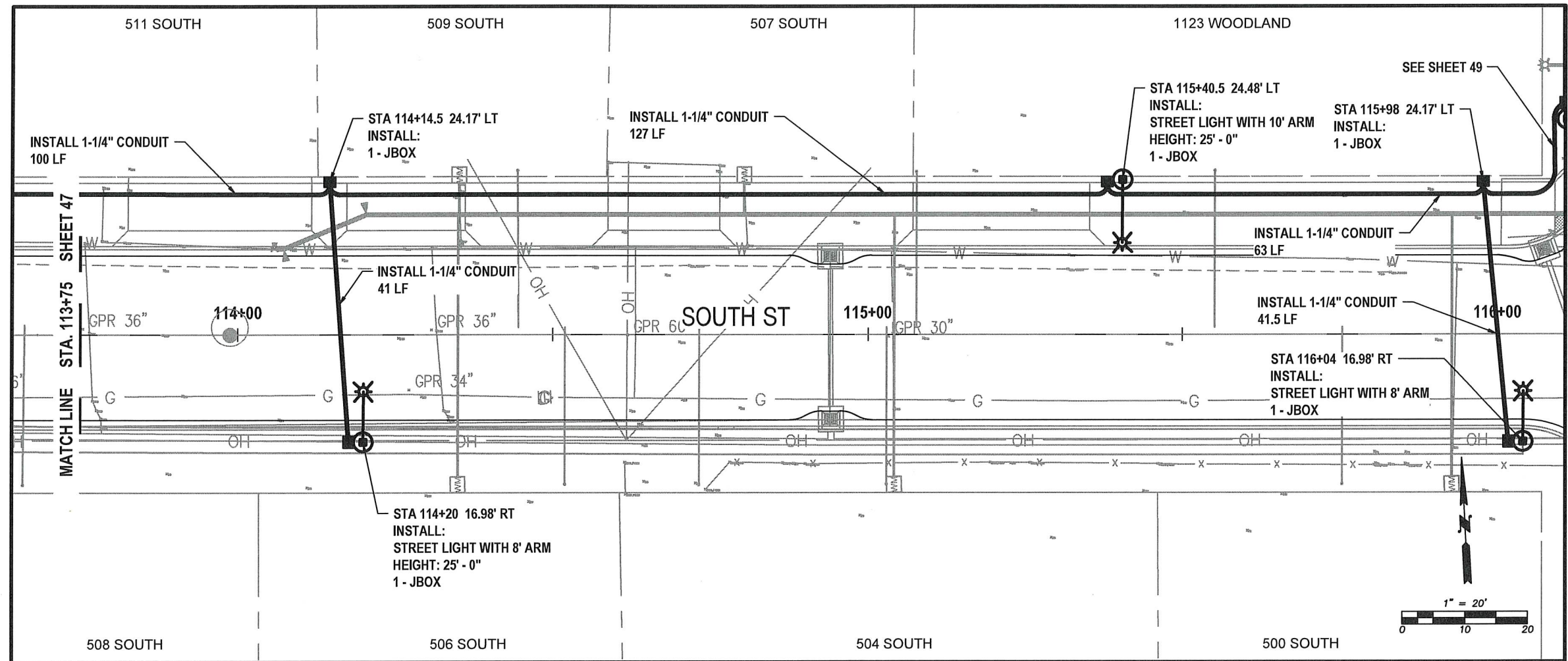
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May, 2025

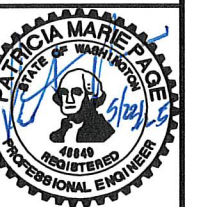
LT07



SOUTH ST - LIGHTING
STA 113+75 TO 116+00
PLAN VIEW

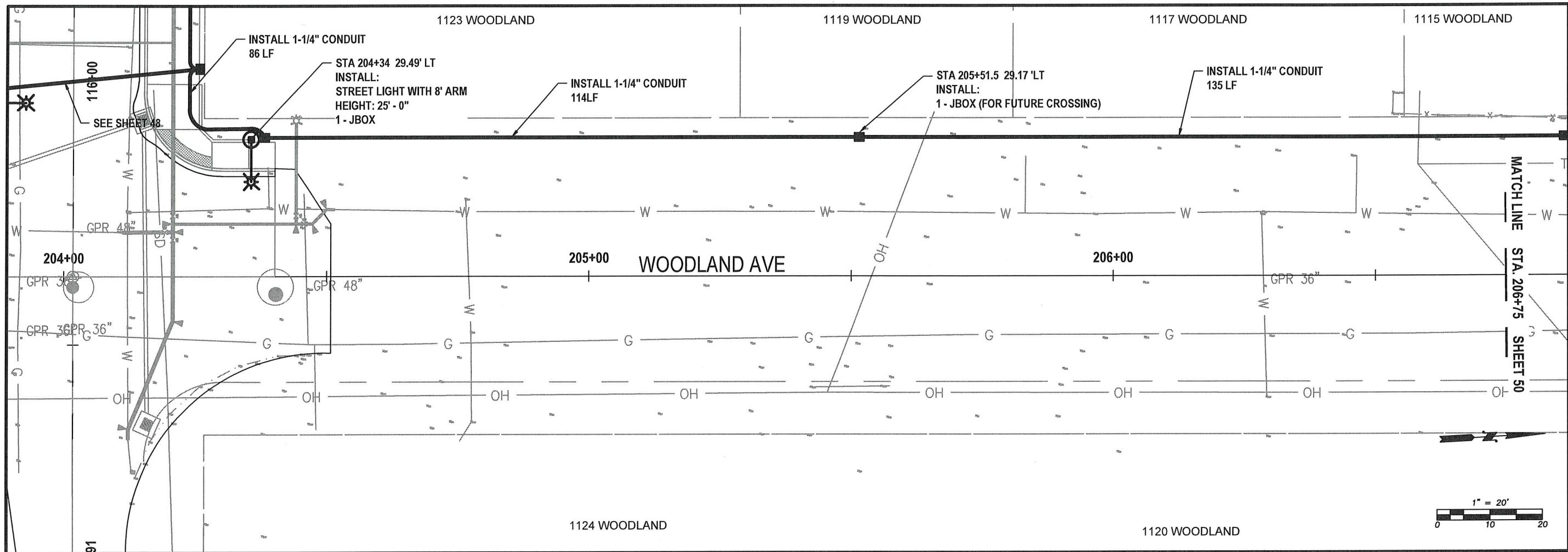
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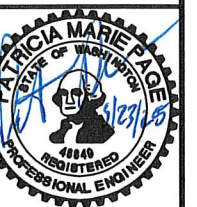
LT08



WOODLAND AVE - LIGHTING
STA 204+00 TO 206+75
PLAN VIEW

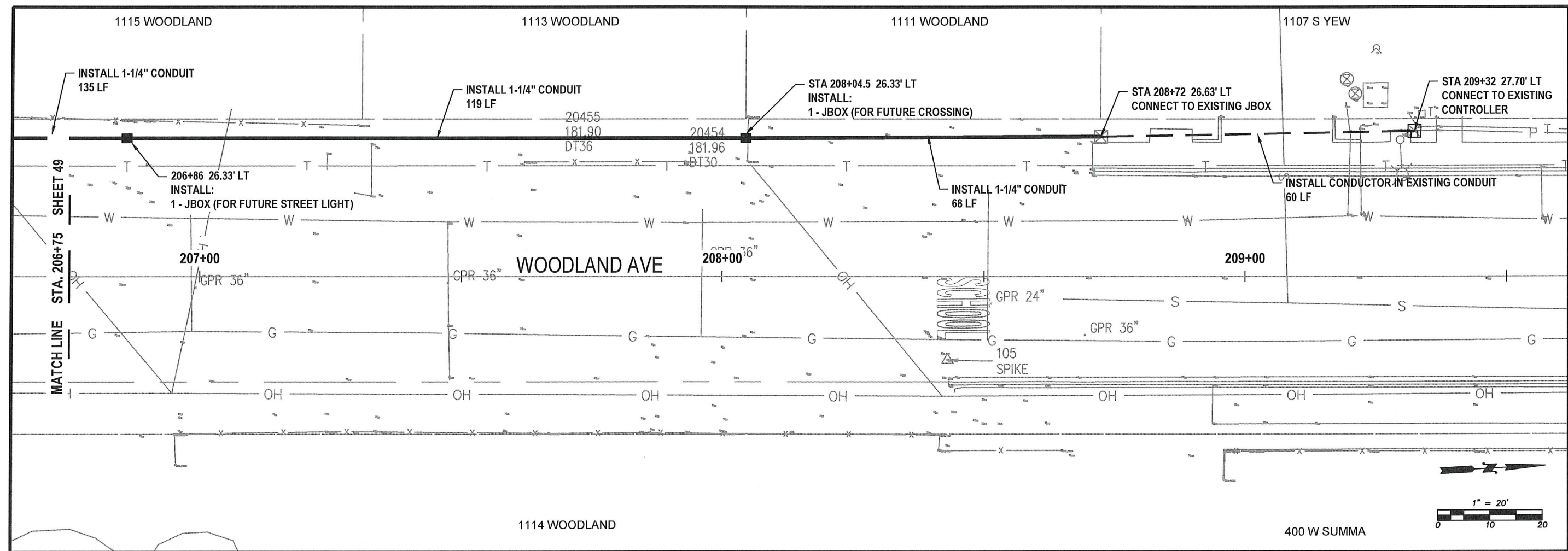
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LT09



WOODLAND AVE - LIGHTING STA 206+75 TO 209+50 PLAN VIEW

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LT10

50 OF 99

STREET LIGHT CONSTRUCTION
GENERAL NOTES

1. All workmanship, materials and testing shall be in accordance with WSDOT/APWA, NEC and City of Centralia Design and Development Guidelines and Centralia Street light Construction guidelines unless otherwise specified below. In cases of conflict the most stringent guideline shall apply.
2. A right-of-way permit, electrical permits and inspections are required for all street lighting installations within the City of Centralia. The contractor is responsible for obtaining said permits prior to any type of actual construction. The right-of-way permit is available at the Engineering Department, 1100 N Tower Ave, Centralia. An application for the electrical permit can be obtained from Centralia City Light, 1100 N Tower Ave, Centralia.
3. A clearly marked service disconnect shall be provided for every lighting circuit. The location and installation of the disconnect shall conform to National Electric Code (NEC) and City of Centralia Standards. The photo cell window shall face north unless otherwise directed by the City. The service disconnect shall not be mounted on the luminaire pole. The service disconnect shall be of a type equal to a Myers MEUG16-31 (100 AMP) or Milbank CP3B11110A22SL1 service, 120/240 VAC, 1φ 3W, Caltrans Type 3B with conductors, photo electric cell and test switch. Place one spare 1½" conduit stub-out in service base 1 foot beyond concrete for future expansion. All service disconnects shall be used to their fullest capabilities (i.e. maximum number of luminaires per circuit). See Centralia Standard drawing 7-02.
4. All lighting wire shall be copper with a minimum size of #8 UF. All wire shall be suitable for wet locations. All wire shall be installed in schedule 40 PVC conduit with a minimum diameter of 1½". A bushing or bell-end shall be used at the end of a conduit that terminate at a junction box or luminaire pole. Conductor identification shall be an integral part of installation of the conductors throughout the system (i.e. color-coded wire). Equipment grounding conductor shall be #8 UF copper. All splices or taps shall be made by approved methods utilizing epoxy kits rated at 600 volts (i.e. 3-M 82-A2). All splices shall be made with pressure type connectors. Wire nuts will not be allowed. Direct burial wire will not be allowed. All other installation shall conform to NEC, WSDOT/APWA and MUTCD standards.
5. Each luminaire pole shall have an in-line, fused, watertight electrical disconnect located at the base of the pole. The hand-hole shall be facing away from oncoming traffic. Additional conductor Length shall be left inside the pole at the handhole, pull box, or junction box, equal to a loop having a diameter of 18 inches. Load side of in-line fuse to luminaire head shall be cable and pole mounted and placed within the above mentioned 18 inch loop by approved means. The CREE XSPLG LUMINAIRE (Order No. XSPLG D HT 2ME 18L 40K7 UL SV X4) must be used in all installations.
6. Approved pull boxes or junction boxes shall be installed when conduit runs are more than 200 feet. In addition, a pull box or junction box shall be located within 10 feet of each luminaire pole and at every road crossing. Boxes shall be clearly and indelibly marked as lighting boxes by the legend "Lighting" or "L.T.". See WSDOT standard plan J-40.10-04 Type 1 and Centralia Standard Drawing 7-01.
7. All street light poles shall be spaced at 125 foot intervals and staggered. Any variation from the 125 ft. spacing to accommodate a specific installation must be approved by the City Engineer. All poles shall be HAPCO 25' Round Tapered Aluminum Pole with 8' Singe Davit Arm. In existing developed areas, the City may approve/require use of other poles to maintain consistency within the developed area.
8. Mounting heights, arm length, power source, luminaire, and bolt patterns shall be as follows:
- Mounting height: 25' 0" (To top back of sidewalk)
Arm length: 8'
Power source: 240 VAC, 1φ 3 wire
Luminaire type: The CREE XSPLG Luminaire (See Centralia Standard drawing 7-01)
Bolt pattern: 4 Bolt, 10"-11" Diameter Bolt Circle

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
	06/2020	STREET LIGHT CONSTRUCTION GENERAL NOTES	1 of 2
CITY ENGINEER			
2022 Standard Drawings			

STREET LIGHT GENERAL NOTES
DETAIL



STREET LIGHT CONSTRUCTION
GENERAL NOTES

9. Cement concrete bases are shown in Centralia Standard Drawing 7-01. Conduit shall extend between 3 and 6 inches above the concrete base.
10. Refer to Centralia Standard Drawings 7-01, 7-02, and 7-03 for typical street light installation layout.
11. Any modification to approved plans made by the licensed engineer and so stamped, shall be reviewed and approved by the City prior to installation.
12. For connection to a pole mounted transformer the following must be provided: 35' of wire from the base of the pole, three sections of schedule 80 conduit and three standoff brackets.
13. Street light foundations will be formed with 36" Dia. Sonotube.

* NOTE: When ordering from Lexington, specify that the order is for the City of Centralia.

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
	06/2020	STREET LIGHT CONSTRUCTION GENERAL NOTES	2 of 2
CITY ENGINEER			
2022 Standard Drawings			

STREET LIGHT GENERAL NOTES
DETAIL



CITY OF CENTRALIA
PUBLIC WORKS
ENGINEERING DEPT.
1100 N. TOWER AVE
CENTRALIA, WA 98531
P: 360.330.7512 F: 360.330.7516
CITY OF CENTRALIA.COM

LIGHTING DETAILS

S YEW ST AND SOUTH ST
IMPROVEMENTS

PW 2025-07

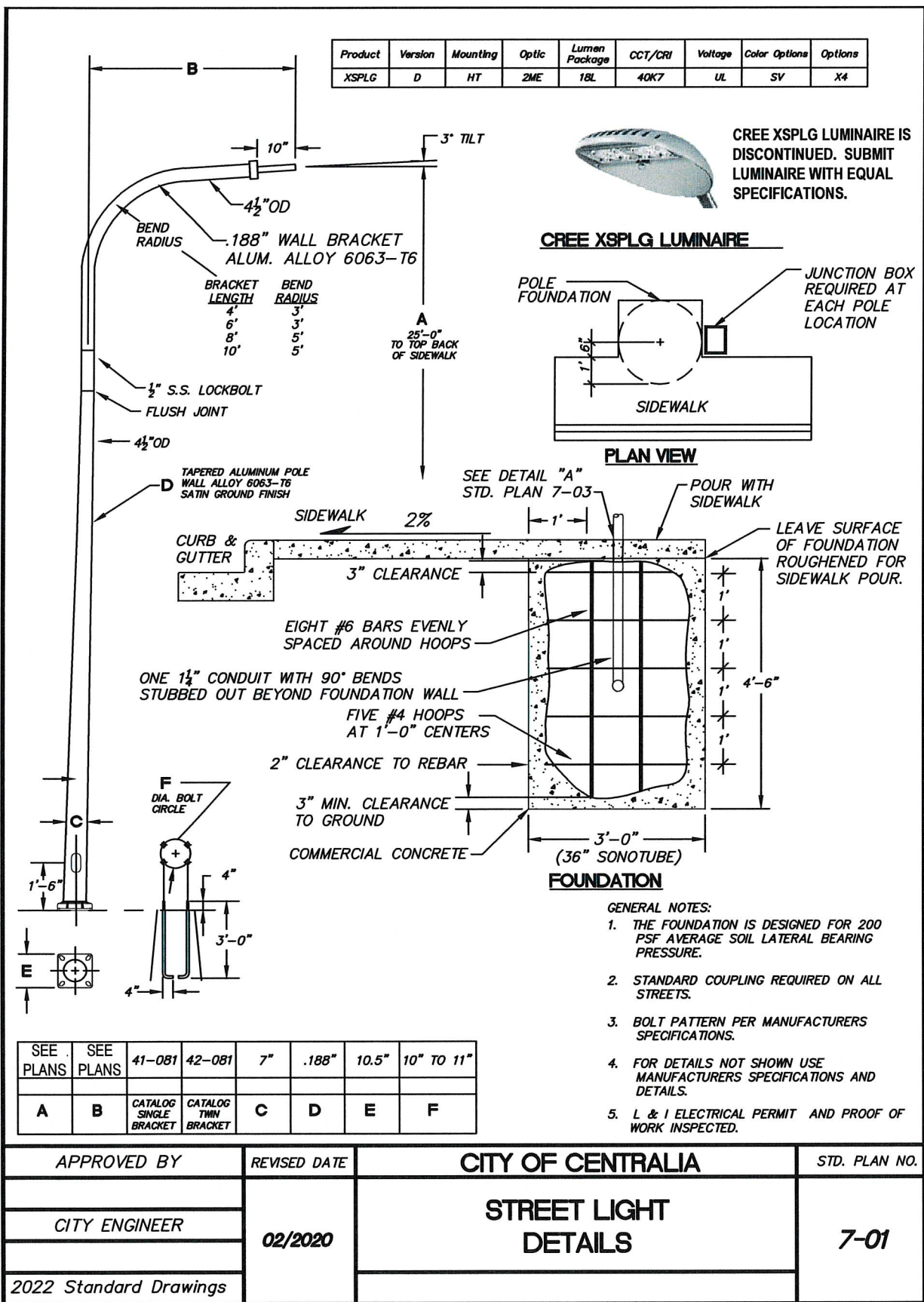


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May, 2025

LD01

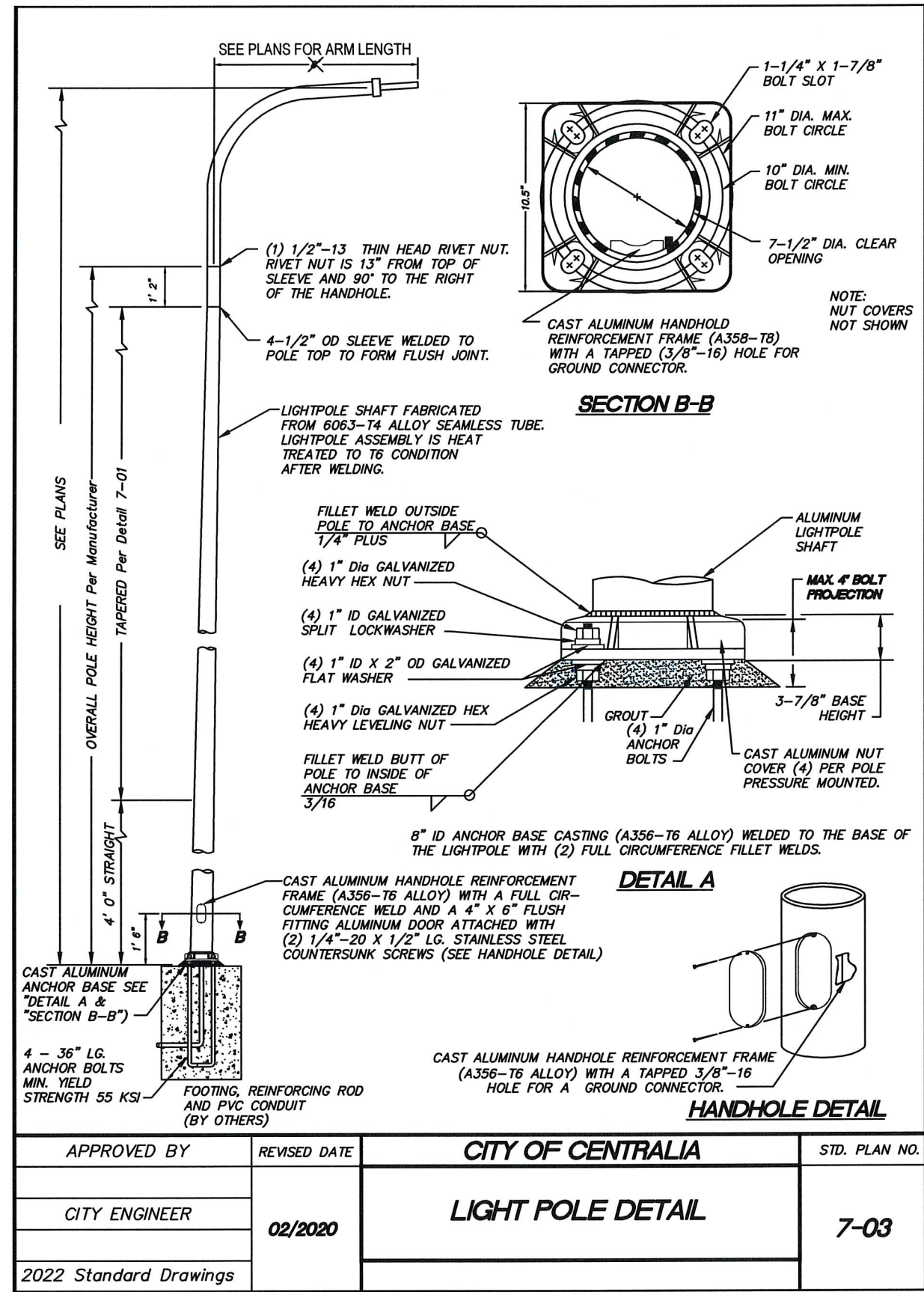
51 OF 99



STREET LIGHT
DETAIL

7-01

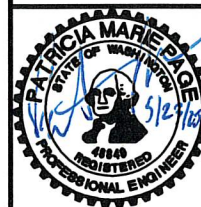
52



LIGHT POLE
DETAIL

7-03

52

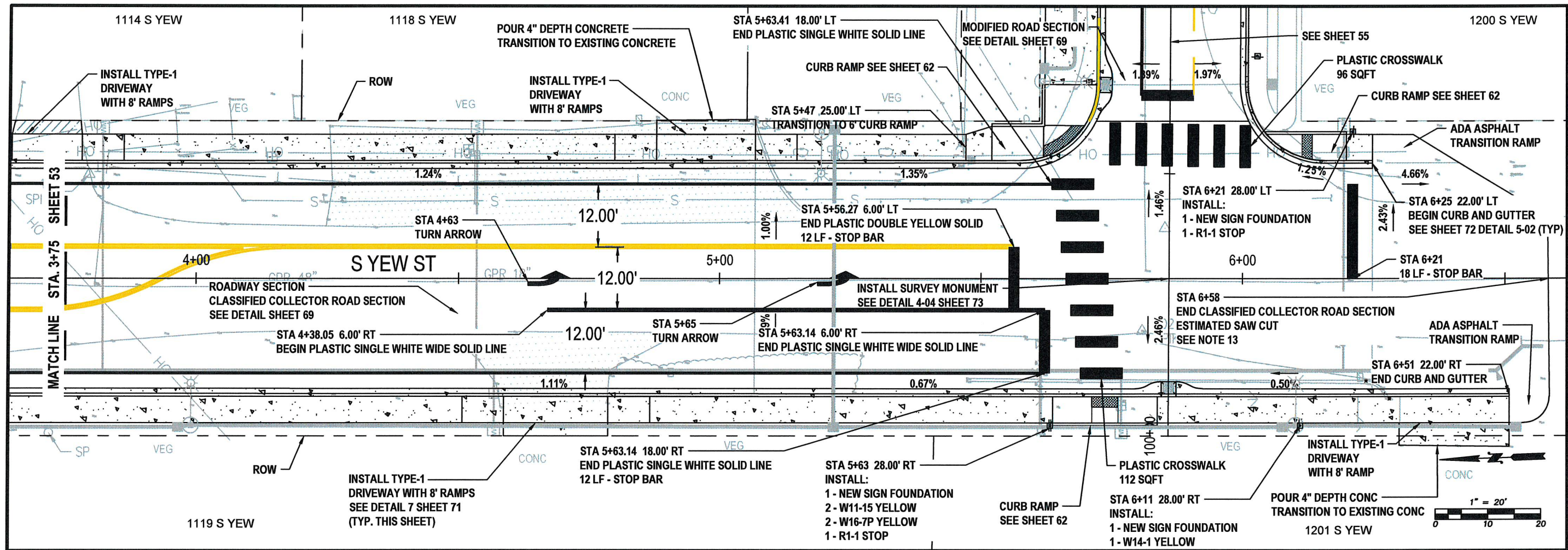


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LD02

52 OF 99



YEW ST - PAVING, STRIPING AND SIGNAGE STA 3+75 TO 6+50 PLAN VIEW

NOTES:

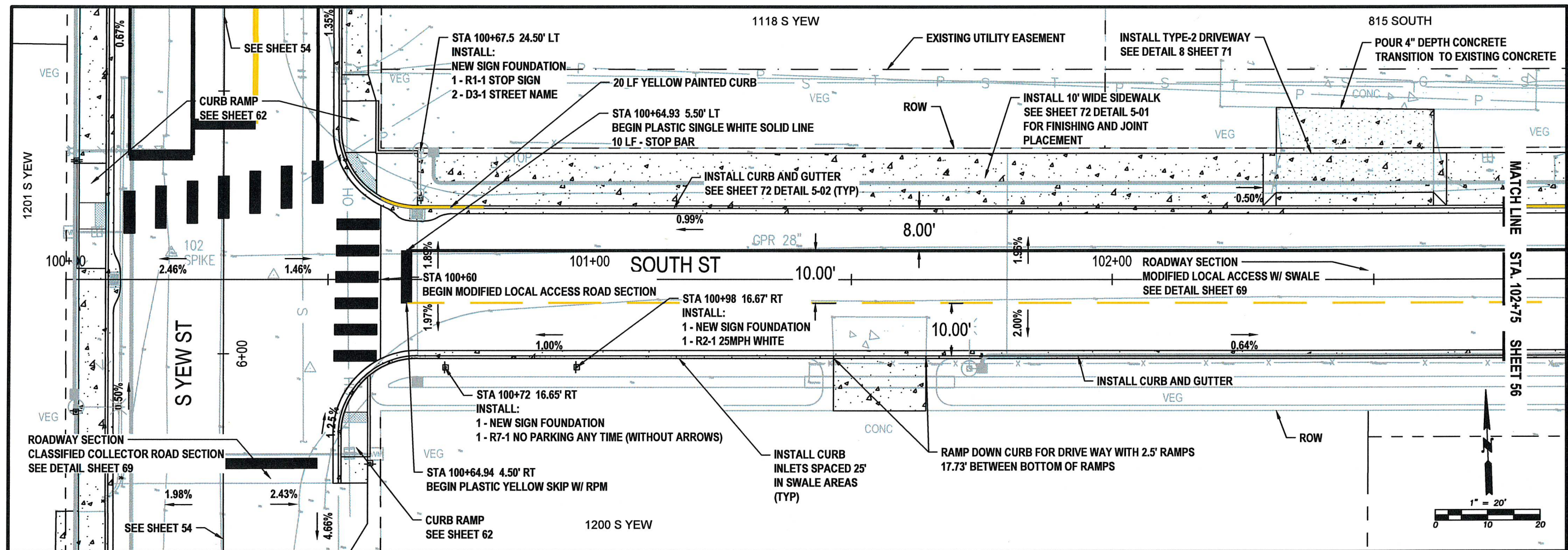
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- RESTORE EXISTING GRAVEL DRIVEWAYS BEHIND ROW TO MATCH NEW IMPROVEMENTS WITH 5/8" MINUS AS NEEDED.
- COMPACTION TESTING WILL BE COMPLETED ON ALL TRENCHES, BASE COURSE AND HMA. THIRD PARTY TESTING WILL BE SCHEDULED BY THE CITY INSPECTOR. COORDINATE WITH THE CITY INSPECTOR A MINIMUM OF 1 BUSINESS DAY PRIOR TO NEEDING TESTING.
- PAVEMENT SHALL BE SAWCUT PRIOR TO PAVING IF REQUIRED TO PROVIDE A CLEAN, STRAIGHT EDGE.
- CSS-1 TACK SHALL BE APPLIED TO EDGES OF EXISTING SURFACES EXCEPT CONCRETE GUTTER.
- SEE DETAIL 4-03 SHEET 68 FOR TRENCH RESTORATION IN ASPHALT AREAS.
- EXACT LIMITS OF RESTORATION WILL BE DETERMINED IN THE FIELD BY CITY INSPECTOR.
- INSTALL 5/8" - SHOULDER ROCK 2' WIDE x 3" DEPTH COMPACTED AT THE EDGES OF ALL NEW HMA WHERE IT IS NOT SUPPORTED BY CONCRETE OR EXISTING ASPHALT.



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May, 2025

PV02



SOUTH ST - PAVING, STRIPING AND SIGNAGE **STA 100+00 TO 102+75** **PLAN VIEW**

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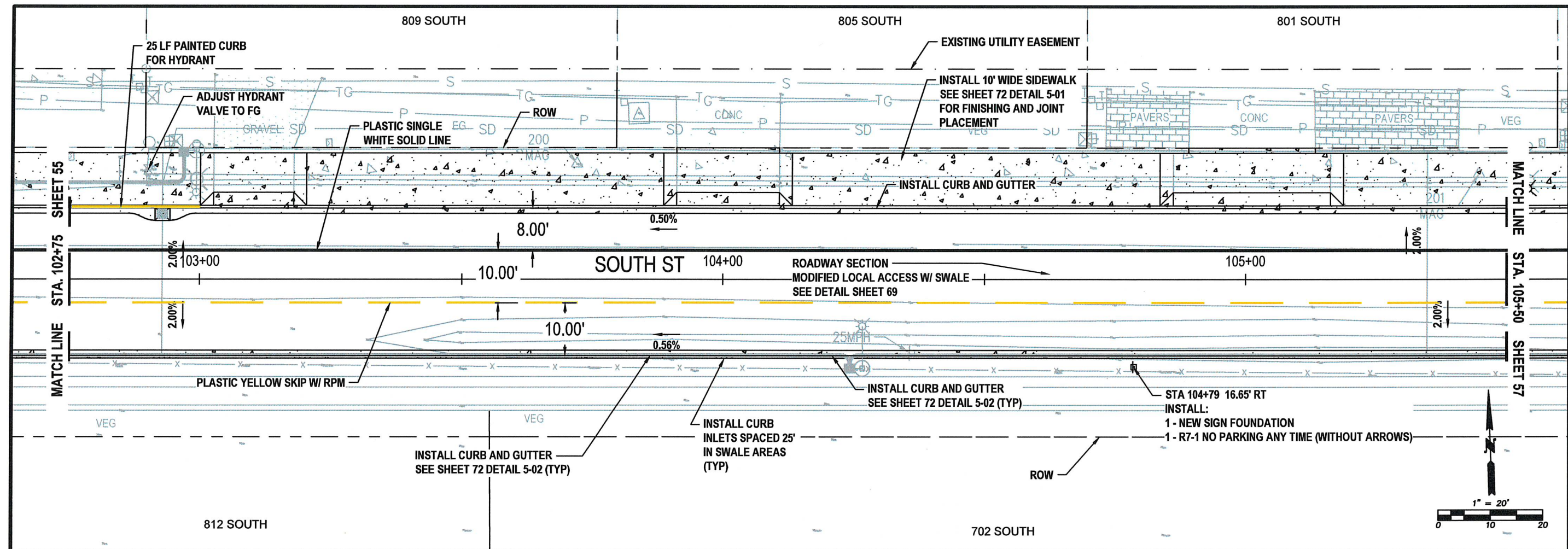


DESIGNED BY: P. PAGE
 DRAWN BY: J. DEBUSK
 SURVEYED BY: J. DEBUSK
 CHECKED BY: P. PAGE

May, 2025

PV03

55 OF 99



SOUTH ST - PAVING, STRIPING AND SIGNAGE **STA 102+75 TO 105+50** **PLAN VIEW**

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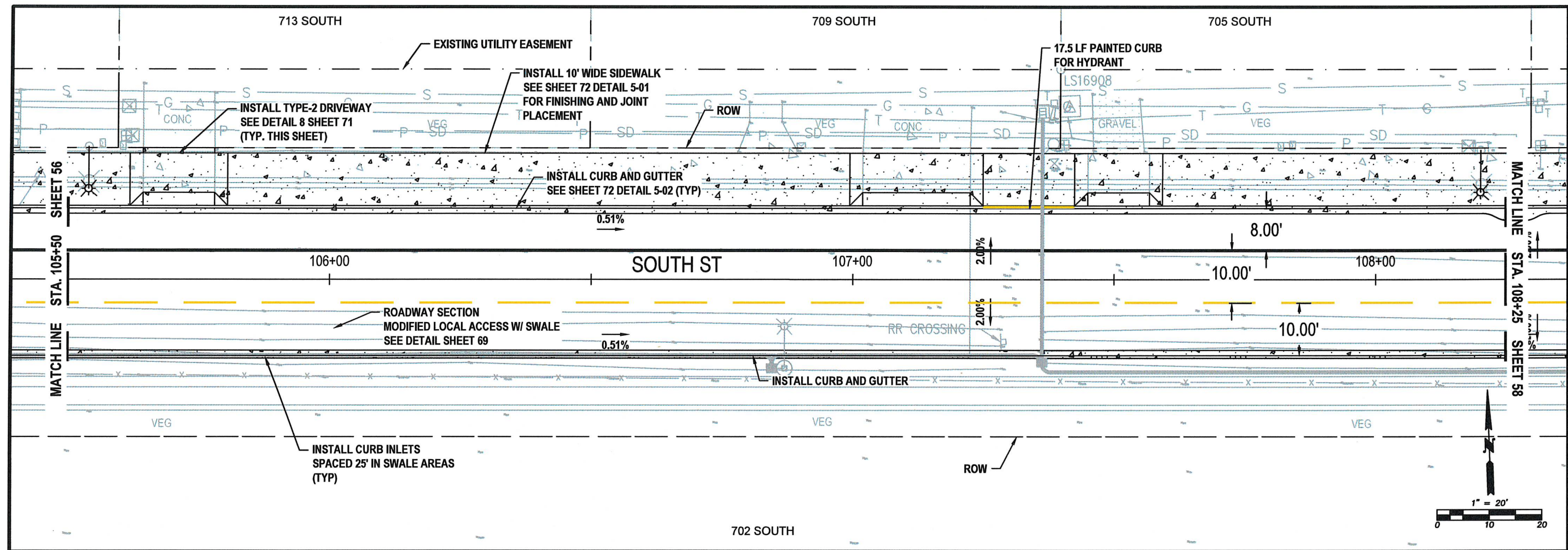


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 CHECKED BY: P. PAGE

May, 2025

PV04

56 OF 99



SOUTH ST - PAVING, STRIPING AND SIGNAGE
STA 105+50 TO 108+25
PLAN VIEW

NOTES:

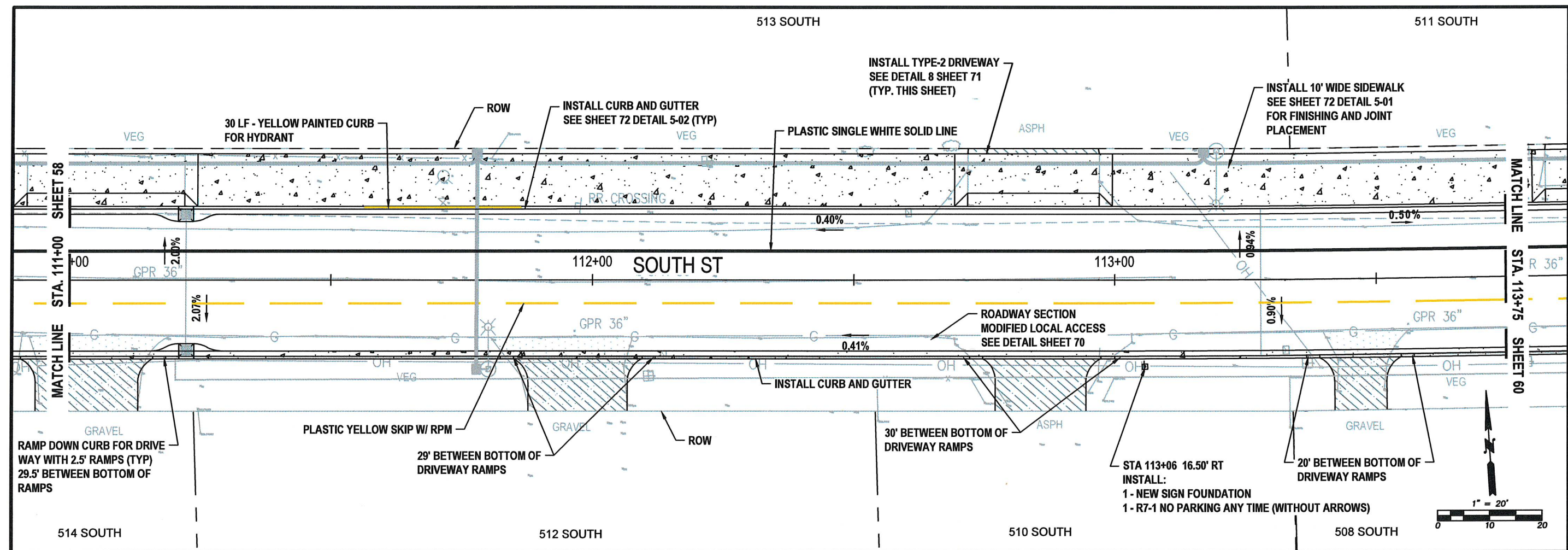
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May, 2025

PV05



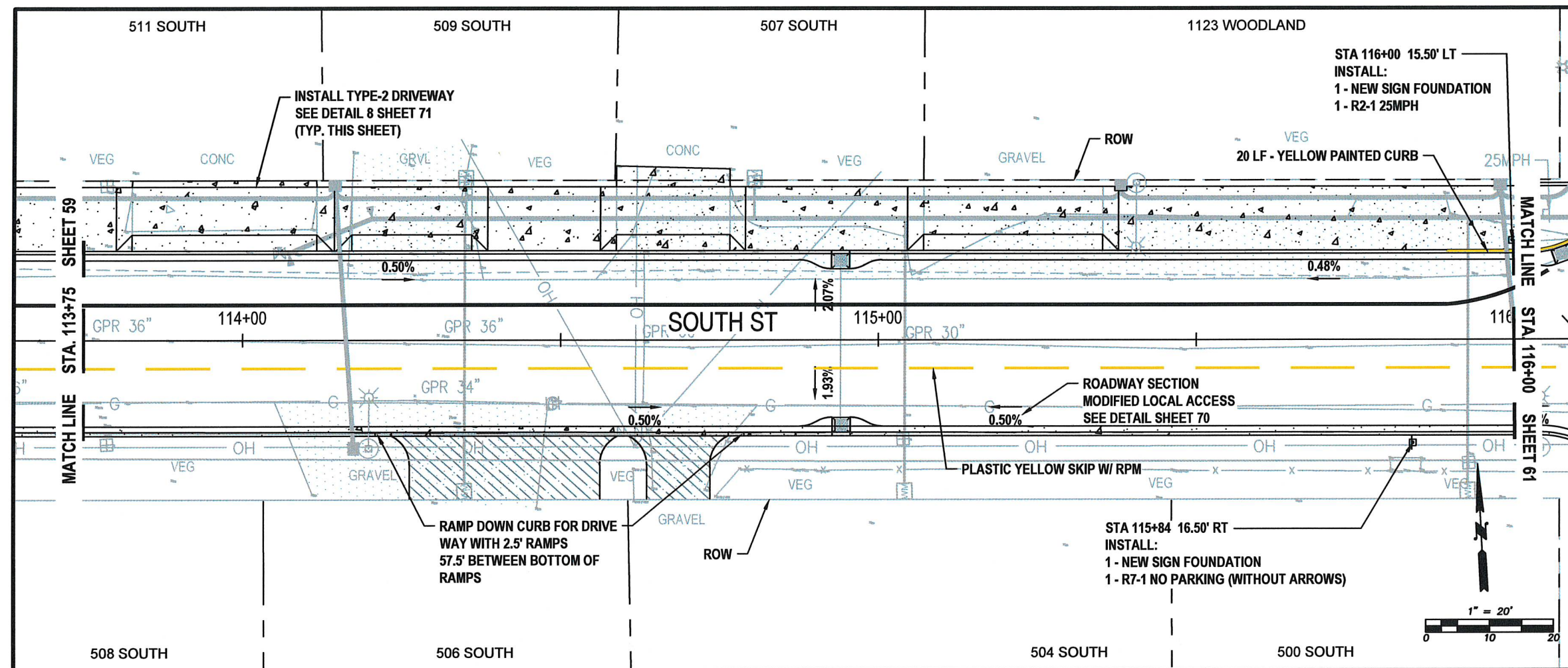
SOUTH ST - PAVING, STRIPING & SIGNAGE **STA 111+00 TO 113+75** **PLAN VIEW**

NOTES:

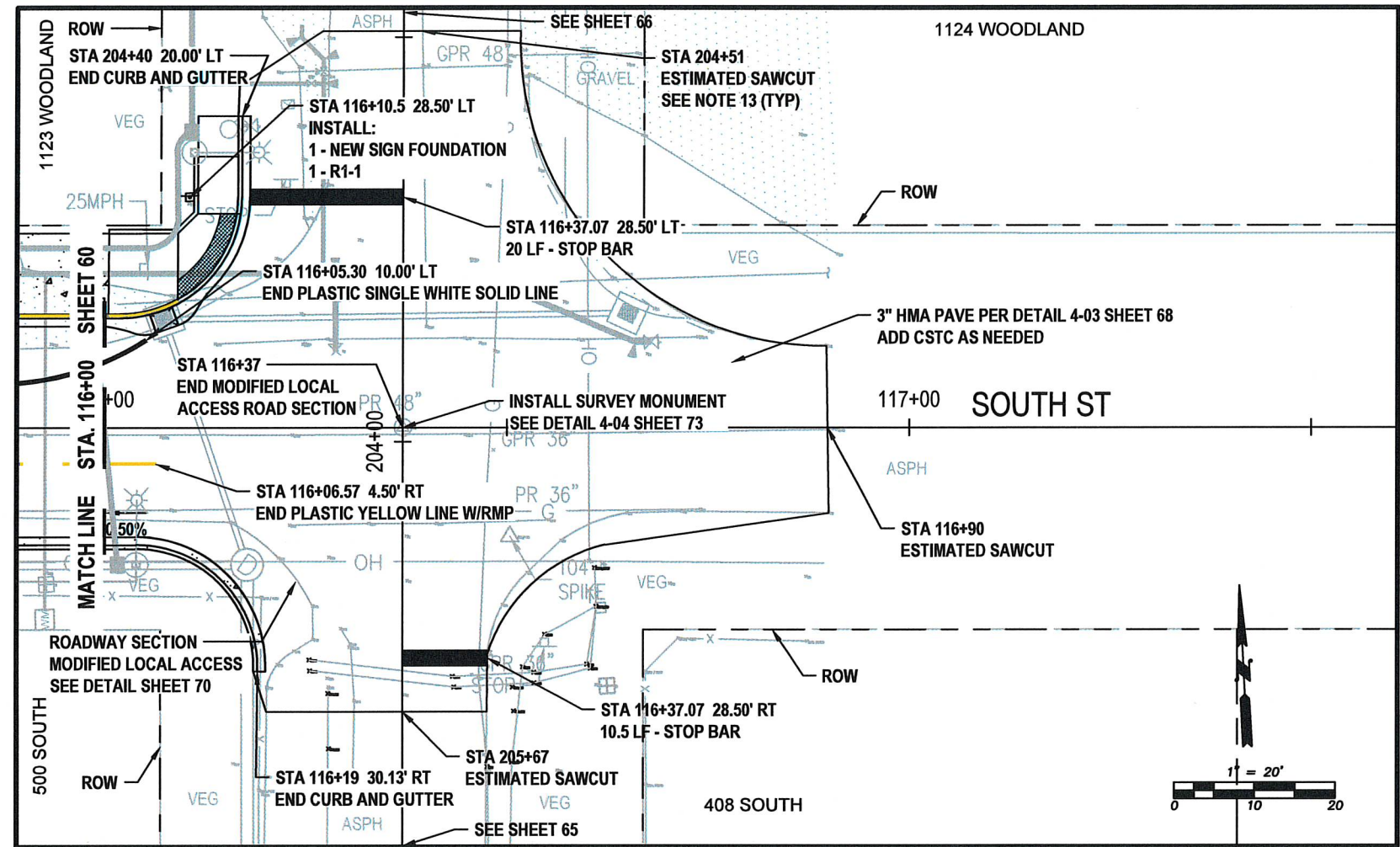
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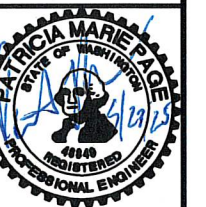
60 OF 99



SOUTH ST - PAVING, STRIPING AND SIGNAGE
STA 116+00 TO 117+50
PLAN VIEW

NOTES:

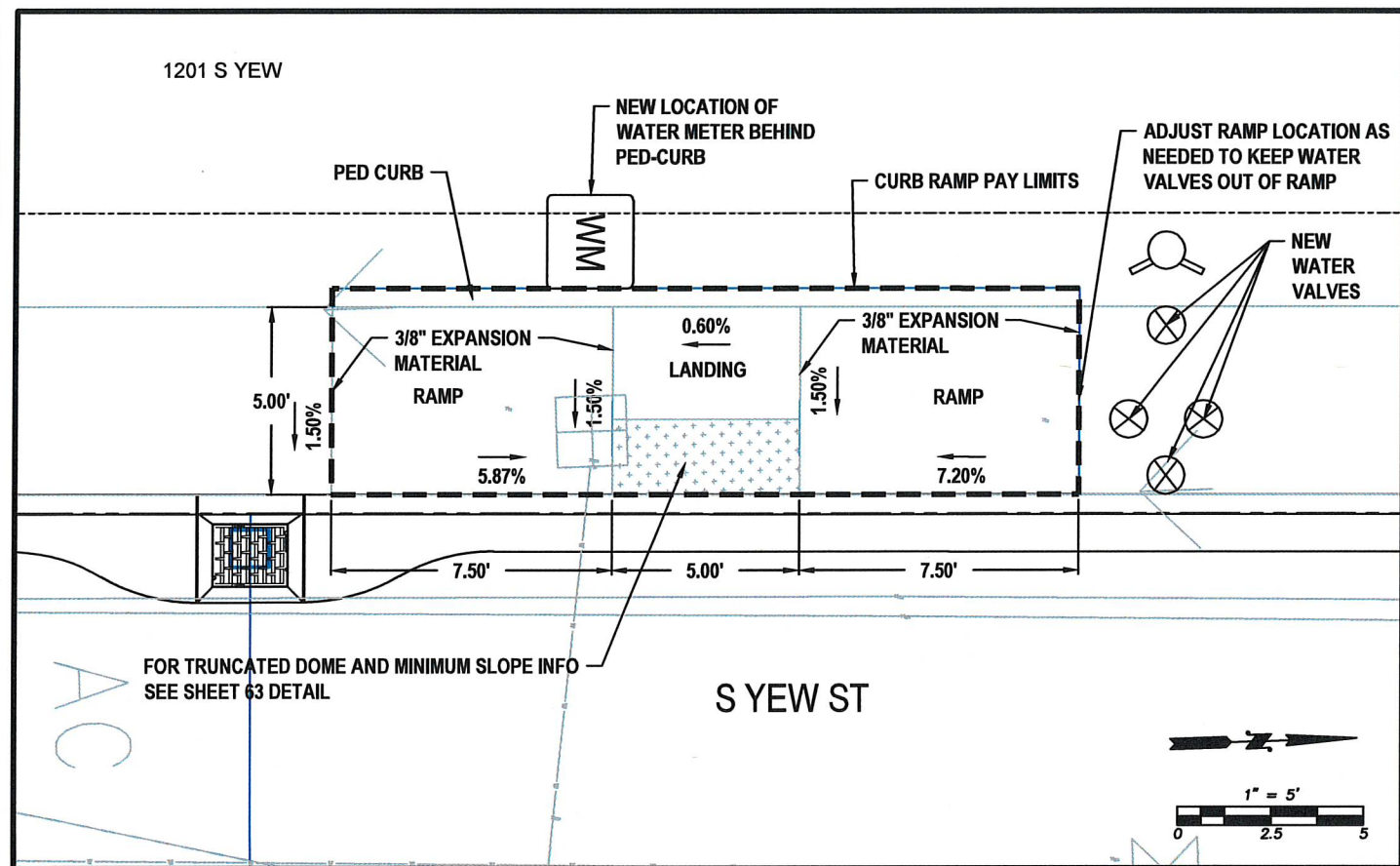
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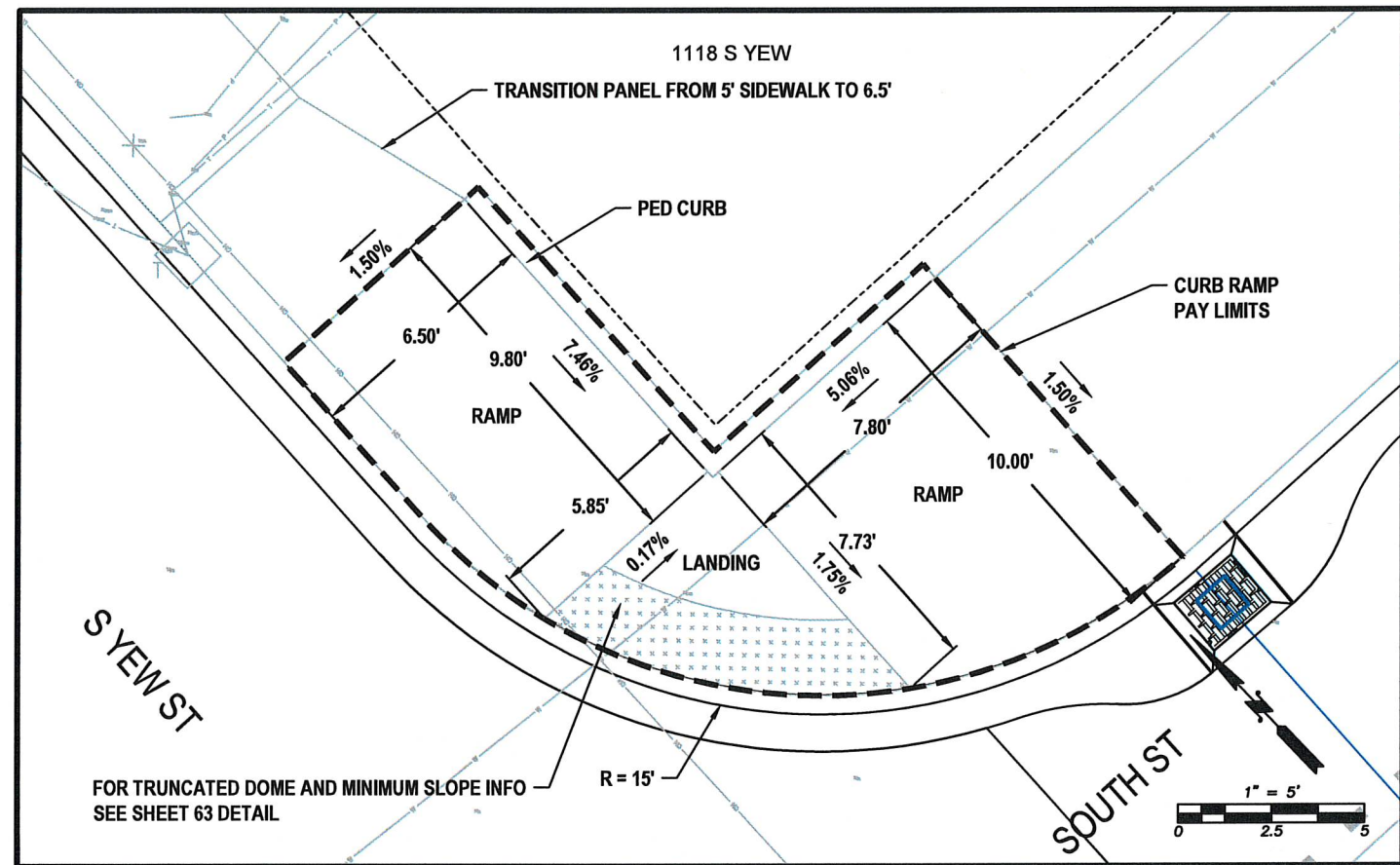
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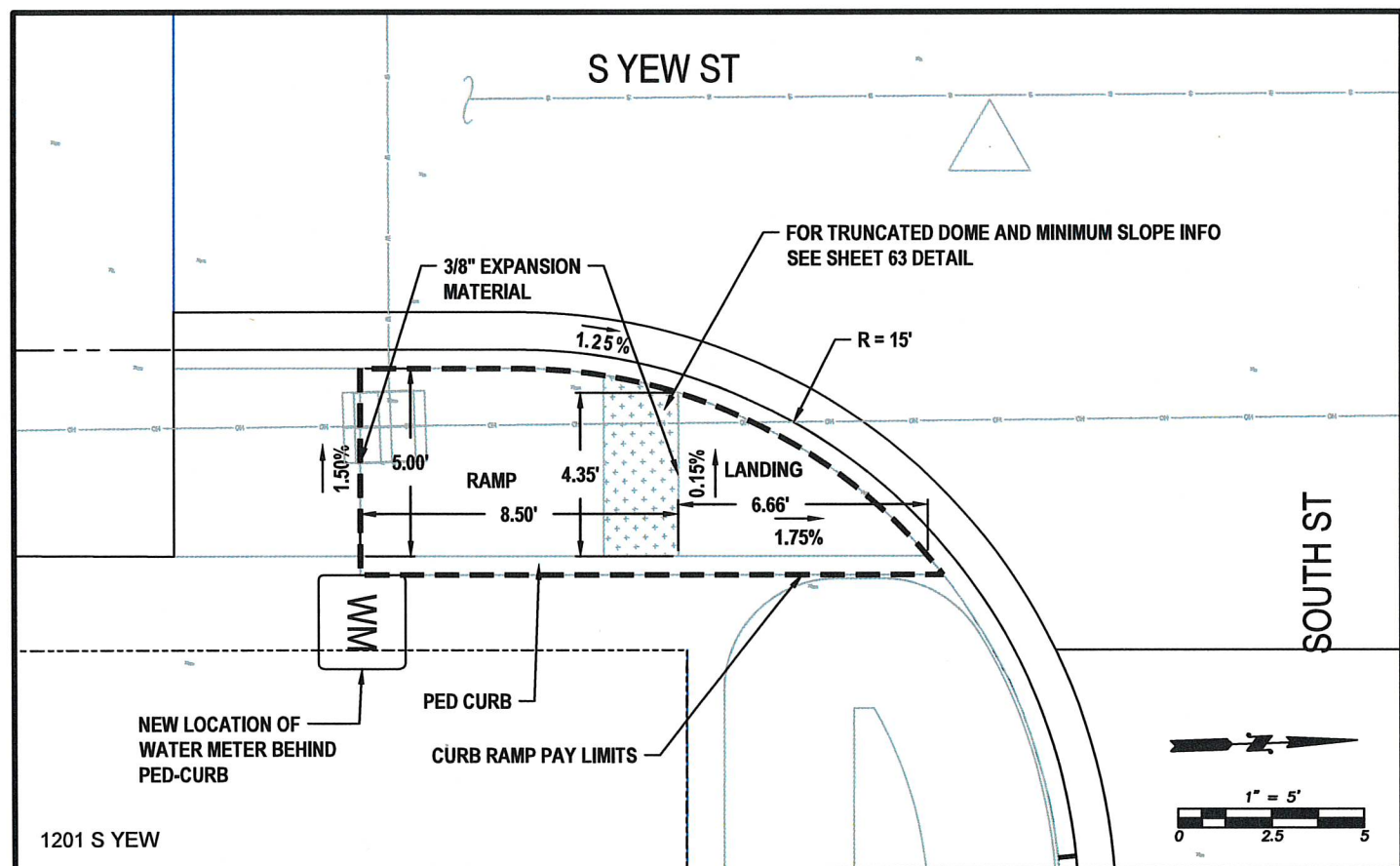
PV09



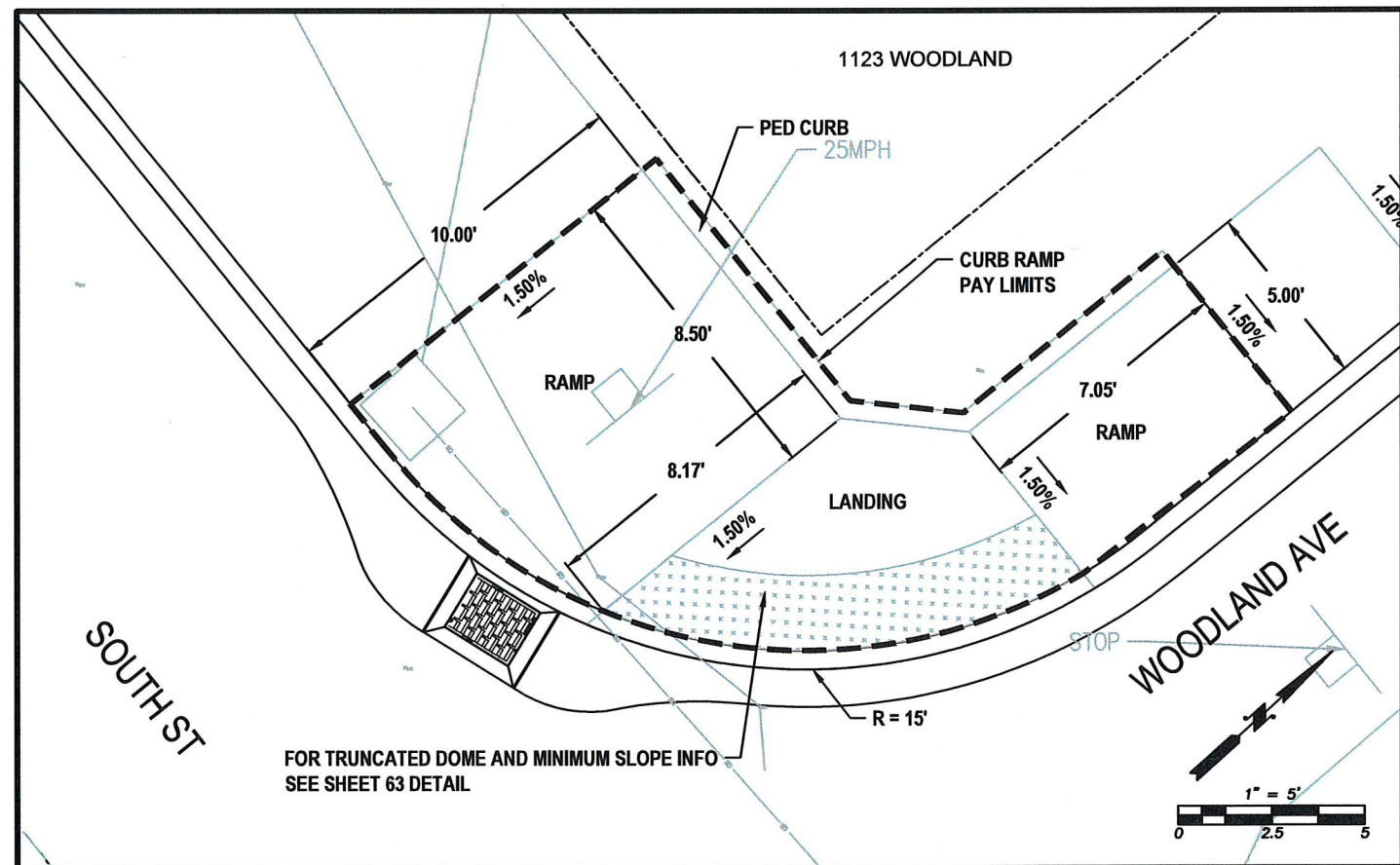
S YEW CURB RAMP - WEST SIDE



S YEW CURB RAMP - NORTH EAST CORNER



S YEW CURB RAMP - SOUTH EAST CORNER



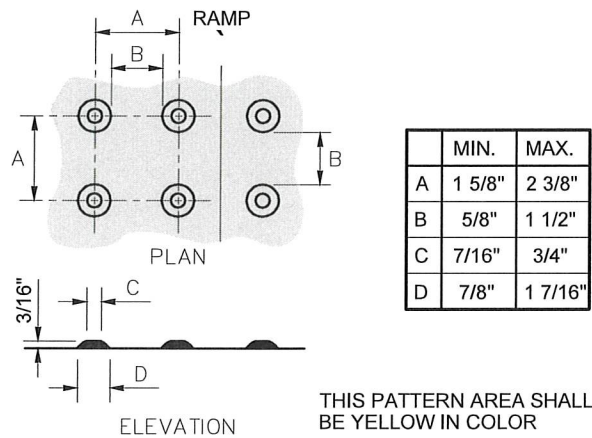
WOODLAND CURB RAMP - NORTH WEST CORNER



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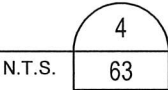
CURB RAMP NOTES

- 1. Ramp slopes shall not be steeper than 12H:1V.
- 2. The bottom of the ramp shall have a level area (not in excess of 2% in any direction), 4' x 4'.



DETECTABLE WARNING PATTERN DETAIL

ADA SLOPE AND TRUNCATED DOME
DETAIL



ADA DETAIL

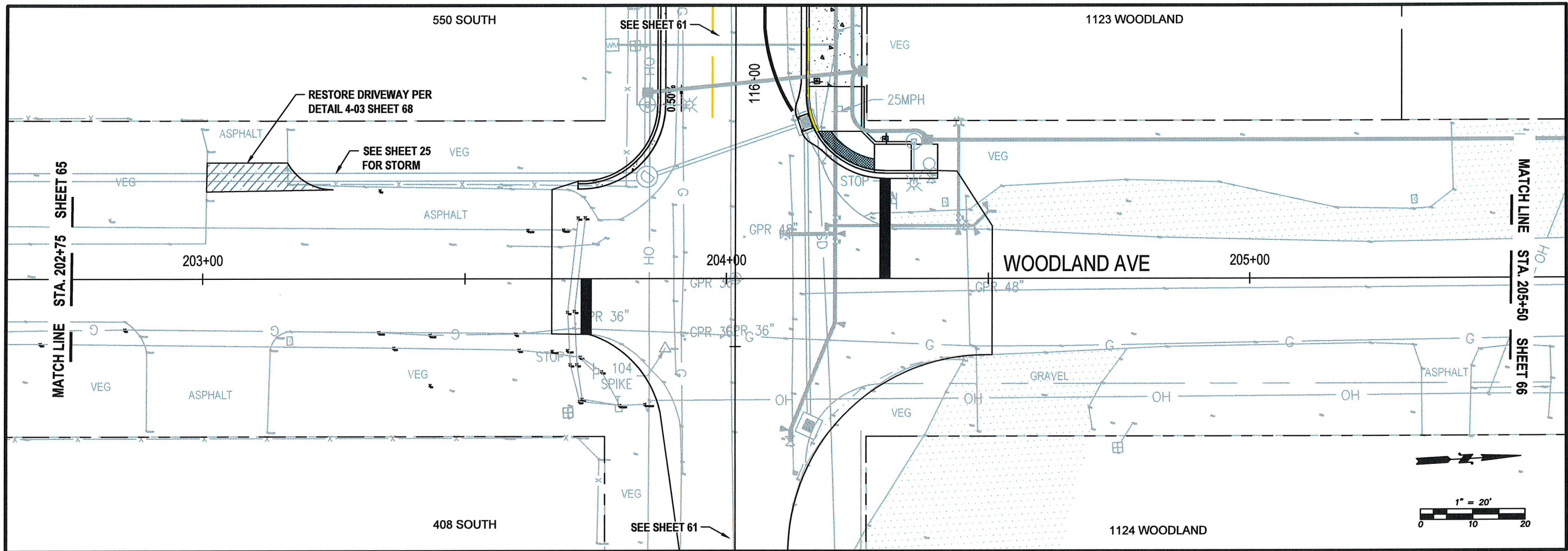
S YEW ST AND SOUTH ST
IMPROVEMENTS
PW 2025-07



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CHECKED BY: P. PAGE

May, 2025

PV11



WOODLAND AVE - PAVING, STRIPING AND SIGNAGE
STA 202+75 TO 205+50
PLAN VIEW

NOTES:

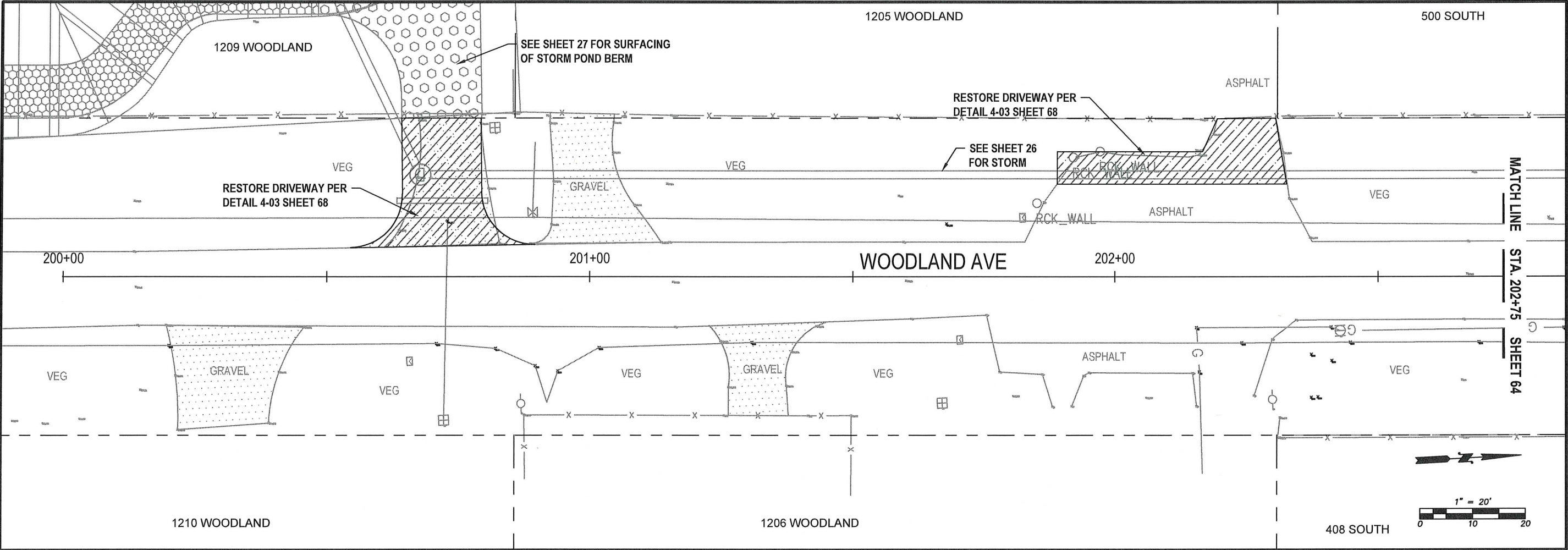
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May, 2025

PV12



WOODLAND AVE - PAVING, STRIPING AND SIGNAGE
STA 200+00 TO 2+75
PLAN VIEW

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CITY OF CENTRALIA
PUBLIC WORKS
ENGINEERING DEPT.
1100 N. TOWER AVE
CENTRALIA, WA 98531
P: 360.330.7512, F: 360.330.7516
CITY OF CENTRALIA.COM

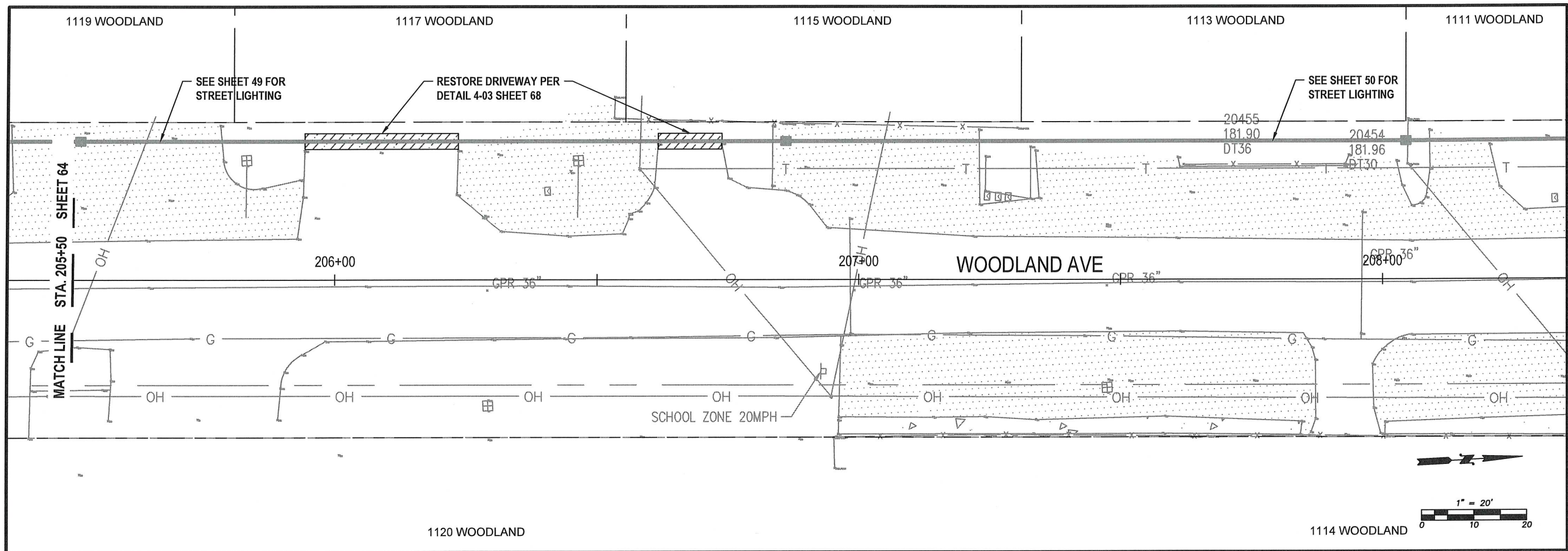
WOODLAND AVE
PAVING, STRIPING AND SIGNAGE
PLAN VIEW
STA 200+00 TO 2+75

S YEW ST AND SOUTH ST
IMPROVEMENTS
PW 2025-07



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SURVEYED BY: J. DEBUSK
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May, 2025

PV13
65 OF 99



WOODLAND AVE - PAVING, STRIPING AND SIGNAGE
STA 205+50 TO 208+25
PLAN VIEW

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May, 2025

PV14

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			

STREET CONSTRUCTION GENERAL NOTES
DETAIL

9-01
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LOCATION (APPROX.)	SIGN	SIZE	COLOR	STREET NAME	NOTES
YEW STA 1+74 28.00' RT	R2-1	24x30	WB		SPEED LIMIT 25 MPH
YEW STA 5+63 28.00' RT	W11-15	30x30	Y/B		BIKE/PED (2 SIGNS)
	W16-7P	24x12	Y/B		ARROW (2 SIGNS)
	R1-1	30x30	R/W		STOP
YEW STA 6+11 28.00' RT	W14-1	30x30	Y/B		DEAD END
YEW STA 6+21 28.00' LT	R1-1	30x30	R/W		STOP
SOUTH STA 100+67.5 15.50' LT	R1-1	30x30	R/W		STOP
	D3-1	8xVARIABLE	G	S YEW ST	STREET NAME
	D3-1	8xVARIABLE	G	SOUTH ST	STREET NAME
SOUTH STA 100+72 16.65' RT	R7-1	12x30	R/W		NO PARKING ANY TIME (WITHOUT ARROWS)
SOUTH STA 100+98 16.67' RT	R2-1	24x30	WB		SPEED LIMIT 25 MPH
SOUTH STA 104+79 16.65' RT	R7-1	12x30	R/W		NO PARKING ANY TIME (WITHOUT ARROWS)
SOUTH STA 108+60 16.65' RT	R7-1	12x30	R/W		NO PARKING ANY TIME (WITHOUT ARROWS)
SOUTH STA 108+92 16.50' RT	W10-1	36 DIA	Y/B		CROSSING GRADE ADVANCE WARNING
SOUTH STA 109+57 16.50' RT	R15-1	48x9	WB		GRADE CROSSING (CROSSBUCK)
	R1-2	30x30x30	R/W		YIELD
SOUTH STA 109+96 15.50' LT	R15-1	48x9	WB		GRADE CROSSING (CROSSBUCK)
	R1-2	30x30x30	R/W		YIELD
SOUTH STA 110+28 16.68' RT	R7-1	12x30	R/W		NO PARKING ANY TIME (WITHOUT ARROWS)
SOUTH STA 110+45 15.50' LT	W10-1	36 DIA	Y/B		CROSSING GRADE ADVANCE WARNING
SOUTH STA 113+06 16.50' RT	R7-1	12x30	R/W		NO PARKING ANY TIME (WITHOUT ARROWS)
SOUTH STA 115+84 16.50' RT	R7-1	12x30	R/W		NO PARKING ANY TIME (WITHOUT ARROWS)
SOUTH STA 116+00 15.50' LT	R2-1	24x30	WB		SPEED LIMIT 25 MPH
SOUTH STA 116+10.5 28.50' LT	R1-1	30x30	R/W		STOP

SIGN SCHEDULE

CITY OF CENTRALIA
PUBLIC WORKS
ENGINEERING DEPT.
1100 N. TOWER AVE
CENTRALIA, WA 98531
P: 360.330.7512 F: 360.330.7516
CITY OF CENTRALIA.COM

STREET DETAILS

S YEW ST AND SOUTH ST
IMPROVEMENTS
PW 2025-07



DESIGNED BY: P. PAGE
DRAWN BY: J. DEBUSK
SURVEYED BY: J. DEBUSK
CHECKED BY: P. PAGE
May, 2025

SD01
67 OF 99

NOTES:

1. ALL MATERIALS, WORKMANSHIP, AND INSTALLATION SHALL BE IN CONFORMANCE WITH WSDOT SPECIFICATIONS AND CITY OF CENTRALIA STANDARDS.
2. ALL MATERIALS EXCEPT BEDDING MATERIAL SHALL BE COMPACTED IN 6" MAX. LIFTS TO 95% DENSITY.
3. ALL ROADWAY TRENCH CROSSINGS SHALL REQUIRE CDF AS TRENCH BACKFILL EXCEPT FOR UTILITIES DEEPER THAN 5 FEET, 2 FOOT MIN. DEPTH IF > 3 FOOT BURY.
4. BEDDING MATERIAL SHALL CONFORM TO SECTION 9-03.12(3) OF WSDOT SPECIFICATIONS COMPACTED TO 95% OF MAX. DENSITY PER ASTM D1557.
5. KEEP TRENCH BOTTOM COMPACTED WITH UNIFORM GRADE. A BELL JOINT SHALL BE REQUIRED AT EACH JOINT FOR PROPER SUPPORT. NO TEMPORARY SUPPORTS, I.E. BLOCKS, WILL BE ALLOWED TO SUPPORT THE PIPE. TRENCH BOTTOM SHALL BE TO GRADE PRIOR TO PIPE INSTALLATION.
6. COLD MIX WILL BE REQUIRED FOR TEMPORARY PATCHES OR ROAD CROSSINGS.

STD. PLAN NO.

4-02

7. ALL TRENCH BACKFILL AND BEDDING MATERIAL SHALL BE IMPORT, EXCEPT WHERE CDF IS REQUIRED (See Note 3). SUBMIT ALL MATERIALS FOR CITY REVIEW PRIOR TO CONSTRUCTION. (No Native material will be allowed without approval from City Engineer)

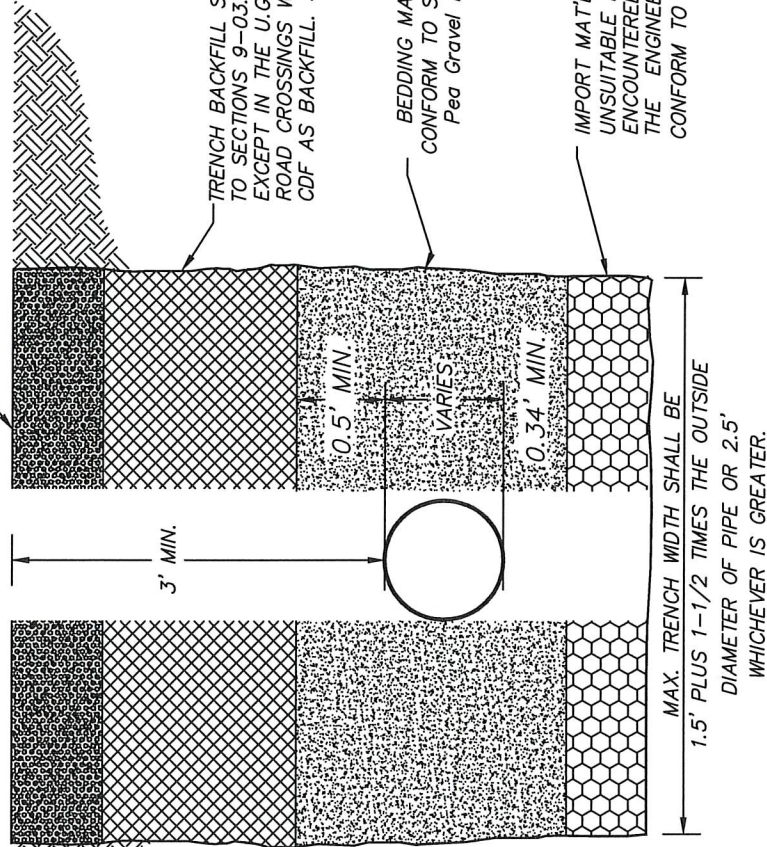
CITY OF CENTRALIA

TRENCH RESTORATION
OUTSIDE PAVED AREA

03-2025

CITY ENGINEER

0.17' C.S.T.C. OR TOPSOIL
AS NOTED ON PLANS



Road Crossings

Longitudinal Trenches and Utility
Trench Crossings over 5' Deep

SURFACE RESTORATION: HALF STREET TO STRIPED CENTERLINE (MIN) OR TO FOGLINE IF UTILITY IS ALONG NON-IMPROVED SHOULDER.

SURFACE RESTORATION: 10' WIDE SAW CUT X FULL LANE WIDTH OR CENTERLINE AS DETERMINED BY CITY ENGINEERING DEPT

CLASS 1/2" PG64-22 HMA 0.25' MIN. COMPACTED DEPTH OR EXISTING DEPTH WHICHEVER IS GREATER. (TACK EDGES AND CDF SURFACE)

NOTES:

1. ALL MATERIALS, WORKMANSHIP, AND INSTALLATION SHALL BE IN CONFORMANCE WITH WSDOT SPECIFICATIONS AND CITY OF CENTRALIA STANDARDS.
2. ALL MATERIALS EXCEPT BEDDING MATERIAL SHALL BE COMPACTED IN 6" MAX. LIFTS TO 95% DENSITY.
3. ALL ROADWAY TRENCH CROSSINGS SHALL REQUIRE CDF AS TRENCH BACKFILL EXCEPT FOR UTILITIES DEEPER THAN 5 FEET, 2 FOOT MIN. DEPTH IF > 3 FOOT BURY.
4. BEDDING MATERIAL SHALL CONFORM TO SECTION 9-03.12(3) OF WSDOT SPECIFICATIONS COMPACTED TO 95% OF MAX. DENSITY PER ASTM D1557.
5. KEEP TRENCH BOTTOM COMPACTED WITH UNIFORM GRADE. A BELL JOINT SHALL BE REQUIRED AT EACH JOINT FOR PROPER SUPPORT. NO TEMPORARY SUPPORTS, I.E. BLOCKS, WILL BE ALLOWED TO SUPPORT THE PIPE. TRENCH BOTTOM SHALL BE TO GRADE PRIOR TO PIPE INSTALLATION.
6. COLD MIX WILL BE REQUIRED FOR TEMPORARY PATCHES OR ROAD CROSSINGS.

STD. PLAN NO.

4-03

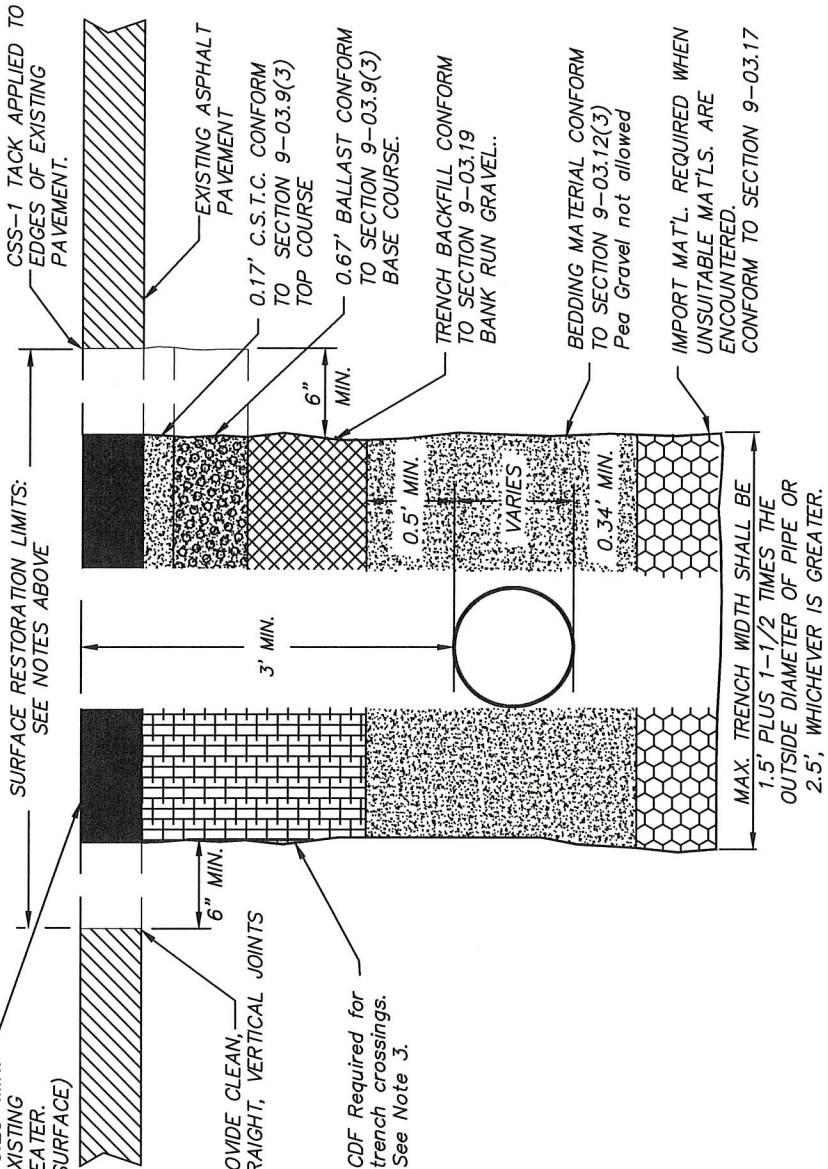
7. ALL TRENCH BACKFILL AND BEDDING MATERIAL SHALL BE IMPORT, EXCEPT WHERE CDF IS REQUIRED (See Note 3). SUBMIT ALL MATERIALS FOR CITY REVIEW PRIOR TO CONSTRUCTION. (No Native material will be allowed without approval from City Engineer)

CITY OF CENTRALIA

TRENCH RESTORATION
ASPHALT PAVEMENT

03/2025

CITY ENGINEER



DESIGNED BY: P. PAGE
DRAWN BY: J. DEBUSK
SURVEYED BY: J. DEBUSK
CHECKED BY: P. PAGE

May, 2025

SD02

68 OF 99

STREET DETAILS

S YEW ST AND SOUTH ST
IMPROVEMENTS

PW 2025-07

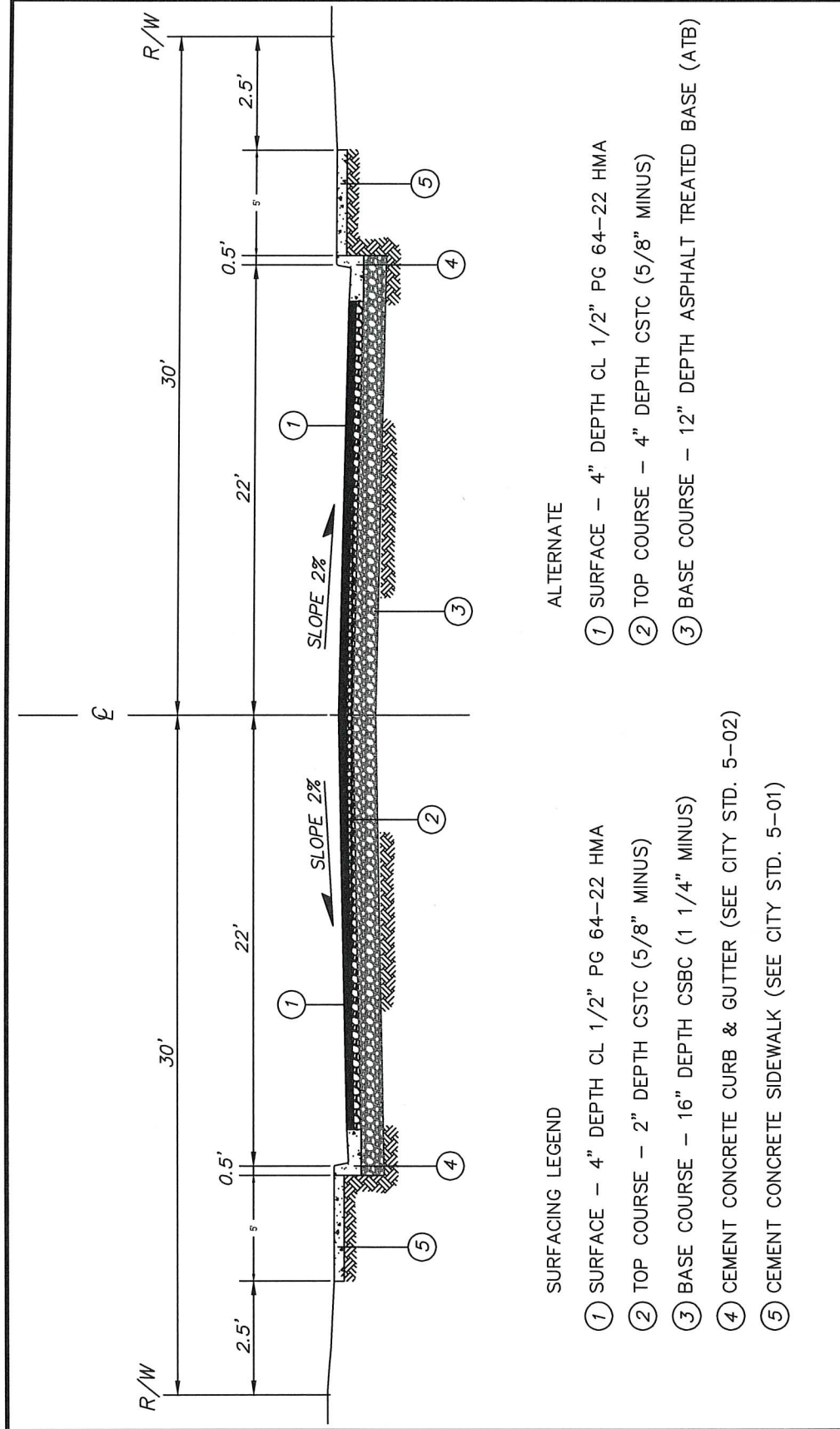
CITY OF CENTRALIA

PUBLIC WORKS
ENGINEERING DEPT.

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

TYPICAL COLLECTOR ROADWAY SECTION
DETAIL

4-07
69

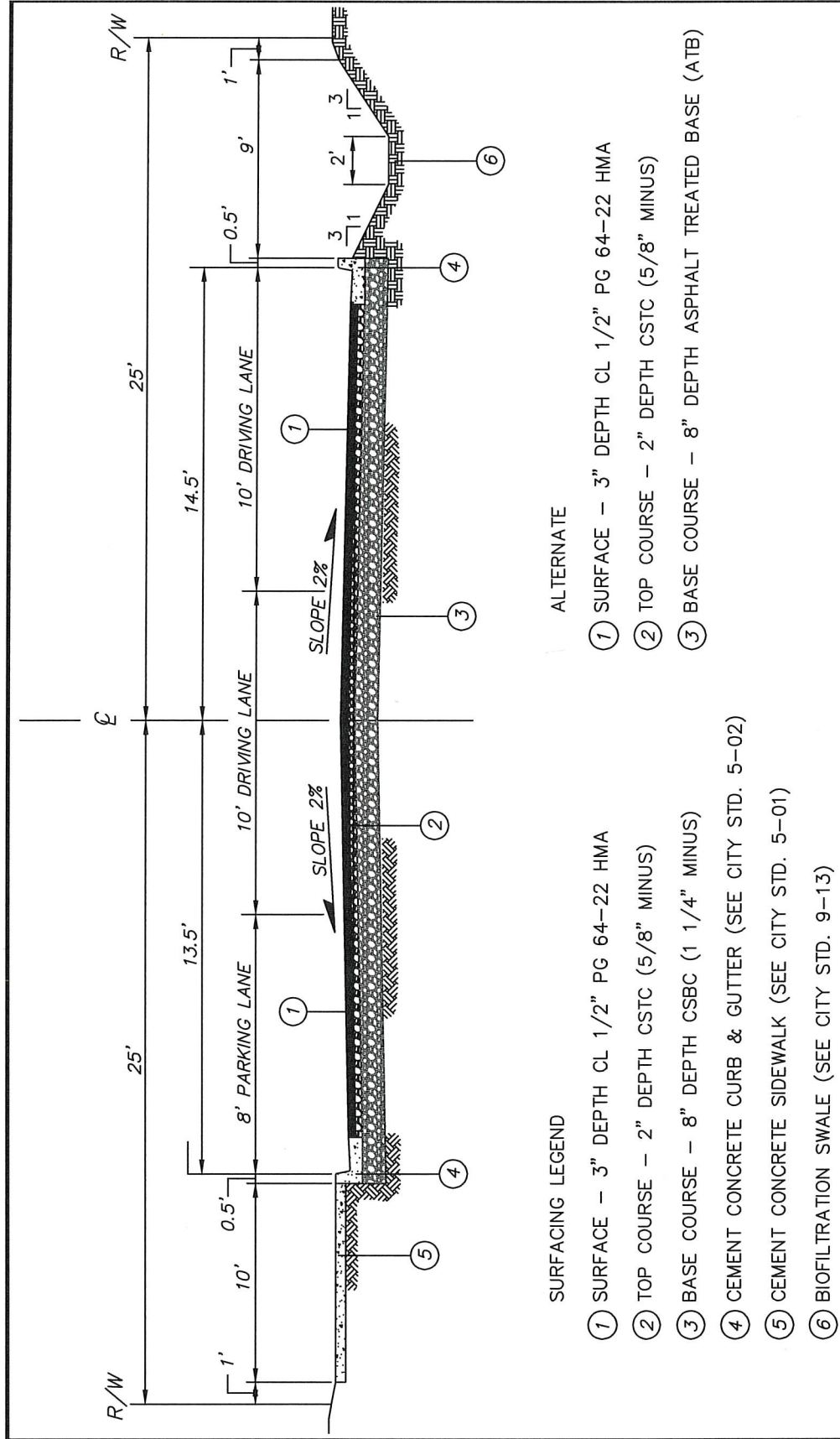


STD. PLAN NO.	CITY OF CENTRALIA	
	APPROVED BY	REVISED DATE
	CITY ENGINEER	07/2023

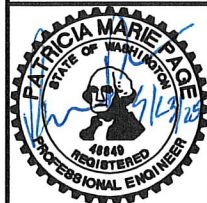
**ROADWAY SECTION
FUNCTIONALLY CLASSIFIED
COLLECTOR STREETS**

MODIFIED LOCAL ACCESS ROADWAY SECTION WITH SWALE
DETAIL

5
69



APPROVED BY	CITY ENGINEER	REVISED DATE	CITY OF CENTRALIA	
			ROADWAY SECTION MODIFIED LOCAL ACCESS WITH SWALE	
			03/2025	



DESIGNED BY: P. PAGE
DRAWN BY: J. DEBUSK
SURVEYED BY: J. DEBUSK
CHECKED BY: P. PAGE

May, 2025

SD03

69 OF 99

STREET DETAILS

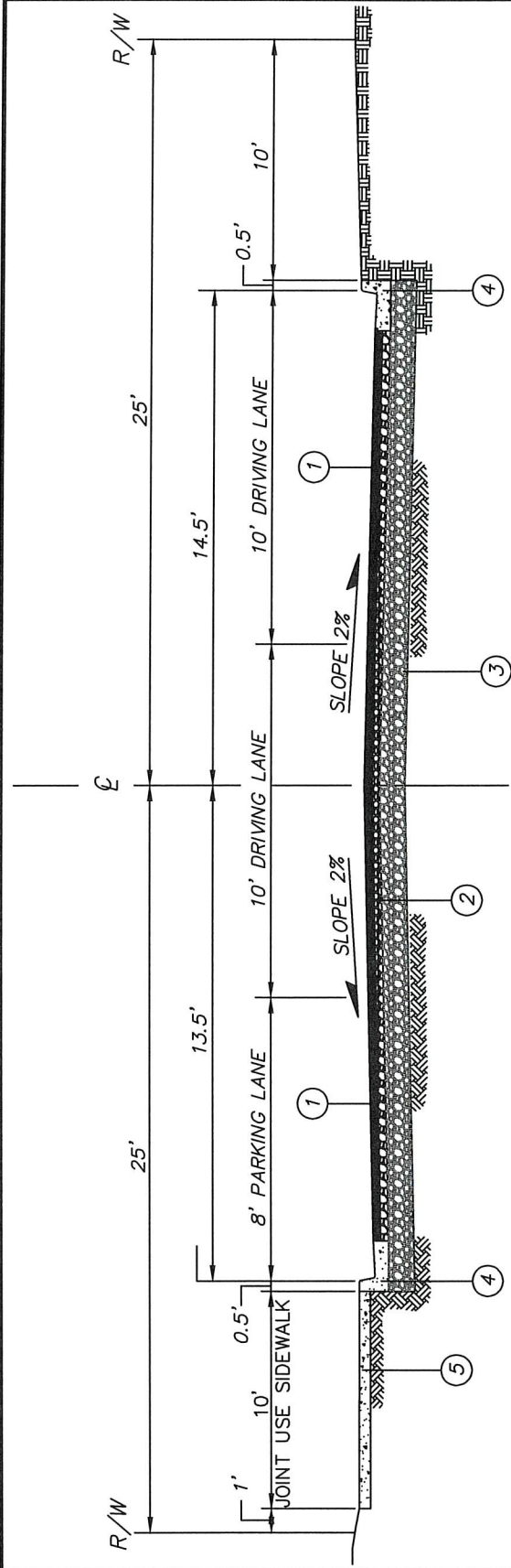
S YEW ST AND SOUTH ST
IMPROVEMENTS

PW 2025-07

CITY OF CENTRALIA
PUBLIC WORKS
ENGINEERING DEPT.
1100 N. TOWER AVE
CENTRALIA, WA 98531
P: 360.330.7512 F: 360.330.7516
CITY OF CENTRALIA.COM

MODIFIED LOCAL ACCESS W/O SWALE
DETAIL

6
70



SURFACING LEGEND

- 1 SURFACE – 3" DEPTH CL 1/2" PG 64–22 HMA
- 2 TOP COURSE – 2" DEPTH CSTC (5/8" MINUS)
- 3 BASE COURSE – 8" DEPTH CSBC (1 1/4" MINUS)
- 4 CEMENT CONCRETE CURB & GUTTER (SEE CITY STD. 5–02)
- 5 CEMENT CONCRETE SIDEWALK (SEE CITY STD. 5–01)

ALTERNATE

- 1 SURFACE – 3" DEPTH CL 1/2" PG 64–22 HMA
- 2 TOP COURSE – 2" DEPTH CSTC (5/8" MINUS)
- 3 BASE COURSE – 8" DEPTH ASPHALT TREATED BASE (ATB)

APPROVED BY	REVISED DATE	CITY OF CENTRALIA
CITY ENGINEER	03/2025	ROADWAY SECTION
		MODIFIED LOCAL ACCESS



DESIGNED BY: P. PAGE
DRAWN BY: J. DEBUSK
SURVEYED BY: J. DEBUSK
CHECKED BY: P. PAGE

May, 2025

SD04

70 OF 99

S YEW ST AND SOUTH ST
IMPROVEMENTS

PW 2025-07

STREET DETAILS

CITY OF CENTRALIA
PUBLIC WORKS
ENGINEERING DEPT.
1100 N. TOWER AVE
CENTRALIA, WA 98531
P: 360.330.7512 F: 360.330.7516
CITY OF CENTRALIA.COM

CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 1


The drawing consists of four main views: Plan View, Section A, Section B, and an Isometric View.

- Plan View:** Shows the top-down layout of the driveway entrance. It features a central section labeled "VARIES: 10' MIN. (SEE CONTRACT)" flanked by two 6'-0" (TYP.) sections. A 3/8" expansion joint is indicated. The driveway is bordered by a "CEMENT CONC. SIDEWALK" and a "CEMENT CONCRETE CURB & GUTTER (SEE NOTE 3)". A "RAMP WITH 12H:1V SLOPE (TYP.)" is shown on the left. Section lines A-A and B-B are marked.
- Section A:** A cross-section view showing the vertical profile. It includes a "RAMP" with a 12H:1V slope, a "CEMENT CONC. PEDESTRIAN CURB (TYP.)", and a "CEMENT CONCRETE SIDEWALK". A 3/8" expansion joint is shown. The driveway width is 6'-0" (TYP.).
- Section B:** A cross-section view showing the transition from the sidewalk to the driveway. It includes a "1/2" R (TYP.)" transition, a "2% MAX." slope, a "FLUSH" surface, and a "DEPRESSED CURB & GUTTER (SEE NOTE 3)". The driveway width is 6'-0".
- Isometric View:** A 3D perspective view showing the "CEMENT CONCRETE SIDEWALK", the "CEMENT CONCRETE CURB & GUTTER (SEE NOTE 3)", the "RAMP WITH 12H:1V SLOPE (TYP.)", and the "DEPRESSED CURB & GUTTER (SEE NOTE 3)". It also indicates to "INSTALL TRANSITION TO EXISTING DRIVEWAY MATCH EXISTING MATERIAL".

TYPE 1 - ISOMETRIC VIEW

NOTES

- When the driveway width exceeds 15 feet, construct a full depth expansion joint with $\frac{3}{8}$ " joint filler along the driveway centerline.
- See Std. Plan 5-01 for sidewalk details.
- Curb and gutter shown. See Standard Plan 5-02 for curb details.
- Avoid placing drainage structures, junction boxes or other obstructions in front of driveway entrances.
- Concrete mix shall be class 4000psi mix.
- Driveway transition to existing driveways shall match existing material.
- Transition ped curbs shall be installed as needed.
- Minimum 4" depth compacted CSTC shall be placed as base prior to concrete placement. (6" min. commercial)



CEMENT CONCRETE DRIVEWAY ENTRANCE TYPE 2

The drawing consists of three main views: a plan view at the top, a cross-section labeled 'SECTION A' in the middle, and an isometric view at the bottom. The plan view shows a driveway entrance between two 10-foot concrete sidewalks. It includes dimensions for a 7-foot-6-inch wide curb and gutter, a 2-foot-6-inch wide depressed curb and gutter, and a 3/8-inch expansion joint. A note indicates the driveway width varies by a minimum of 10 feet. The cross-section 'SECTION A' shows the vertical profile of the curb and gutter, with a 2% maximum slope and a 1/2-inch radius transition. The isometric view shows the driveway entrance from a 3D perspective, highlighting the depressed curb and gutter, the concrete curb and gutter, and the driveway approach slope.

10' CONCRETE SIDEWALK

7' - 6"

2' - 6"

3/8" EXPANSION JOINT (TYP.)

SEE NOTE 1

10' CONCRETE SIDEWALK

CEMENT CONCRETE CURB & GUTTER (SEE NOTE 3)

VARIES: 10' MIN. (SEE CONTRACT)

SECTION A

CEMENT CONCRETE SIDEWALK

VARIES: 10' MIN. (SEE CONTRACT)

2' - 6"

2' - 6"

CEMENT CONCRETE CURB & GUTTER

2' - 6"

SECTION B

1/2" R (TYP.)

7' - 6"

2' - 6"

FLUSH

DEPRESSED CURB & GUTTER (SEE NOTE 3)

2% MAX.

CEMENT CONCRETE SIDEWALK

INSTALL TRANSITION TO EXISTING DRIVEWAY MATCH EXISTING MATERIAL

CEMENT CONCRETE SIDEWALK

DRIVEWAY APPROACH SLOPE VARIES

DEPRESSED CURB & GUTTER (SEE NOTE 3)

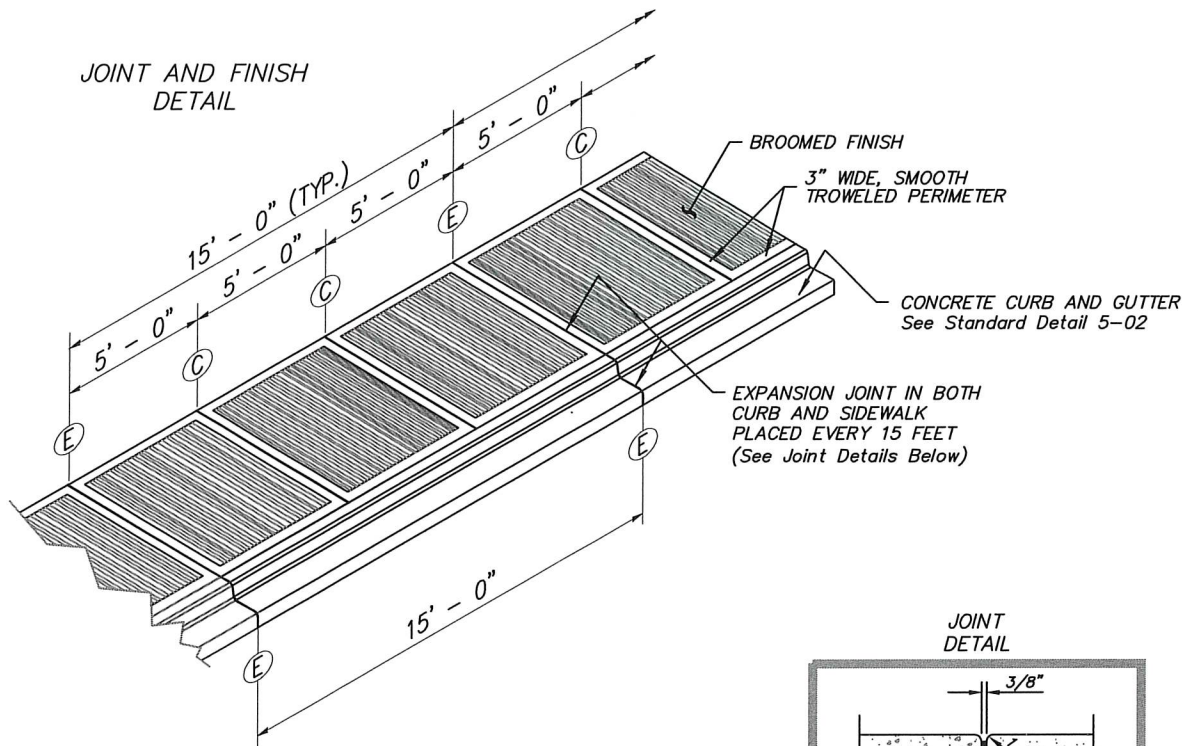
CEMENT CONCRETE CURB & GUTTER (SEE NOTE 3)

TYPE 2 - ISOMETRIC VIEW

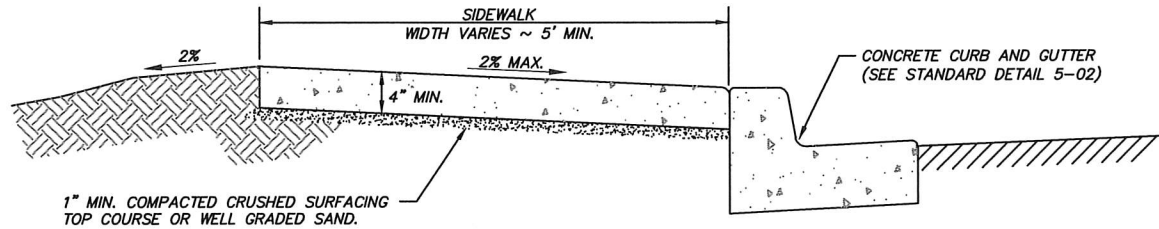
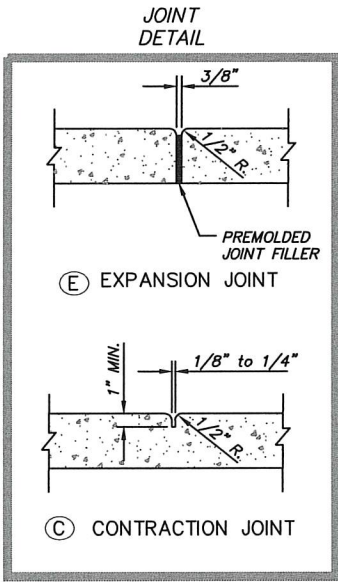
NOTES

1. When the driveway width exceeds 15 feet, construct a full depth expansion joint with $\frac{3}{8}$ " joint filler along the driveway centerline.
2. See Std. Plan 5-01 for sidewalk details.
3. Curb and gutter shown. See Standard Plan 5-02 for curb details.
4. Avoid placing drainage structures, junction boxes or other obstructions in front of driveway entrances.
5. Concrete mix shall be class 4000psi mix.
6. Driveway transition to existing driveways shall match existing material.
7. Transition ped curbs shall be installed as needed.
8. Minimum 4" depth compacted CSTC shall be placed as base prior to concrete placement. (6" min. commercial)

8
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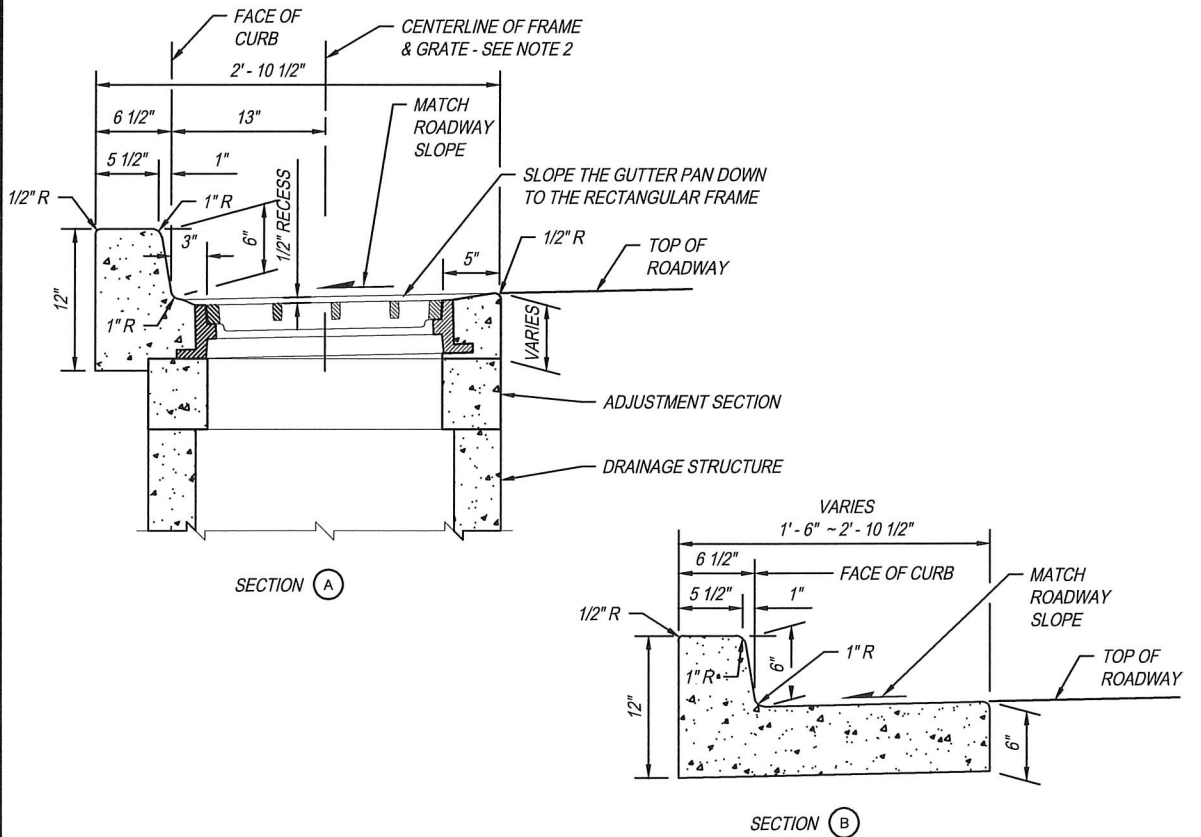
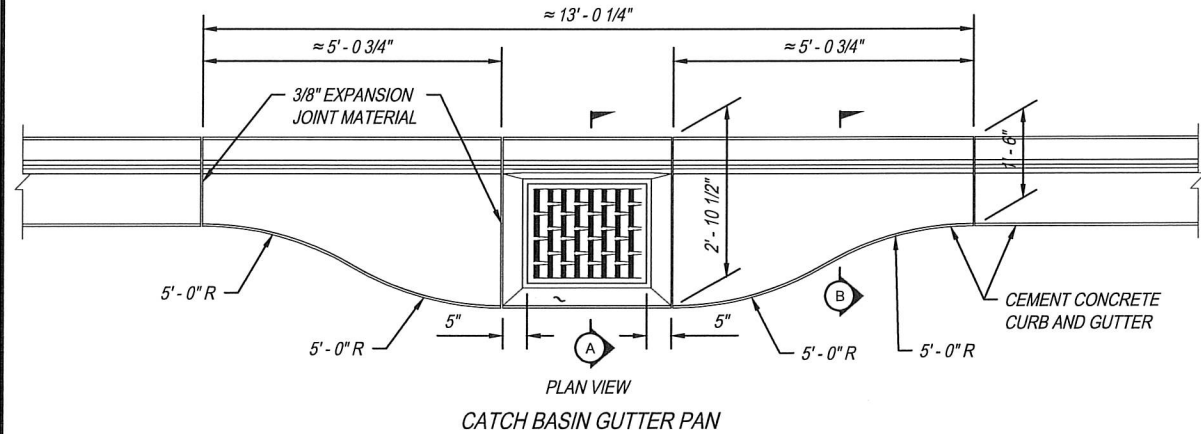
- GENERAL NOTES:
- EXPANSION JOINT MATERIAL TO BE 3/8" THICK PREMOLDED JOINT FILLER FULL THICKNESS OF CONCRETE.
 - FORM AND SUBGRADE INSPECTION REQUIRED BEFORE POURING CONCRETE.
 - SCORE MARKS SHALL BE 1/8" - 1/4" WIDE BY 1" DEEP. FOR SIDEWALKS OVER 8' IN WIDTH, A LONGITUDINAL SCORE MARK SHALL BE MADE ALONG CENTER OF WALK.
 - WESTERN GROOVE FINISH REQUIRED AT SCORE MARKS.
 - EXPANSION JOINTS SHALL BE INSTALLED IN CURB AND GUTTER AND IN SIDEWALK AT PC AND PT AT ALL CURB RETURNS, EXPANSION JOINTS SHALL BE PLACED IN SIDEWALK AT SAME LOCATIONS AS THOSE IN CURB AND GUTTER WHEN SIDEWALK IS ADJACENT TO CURB AND GUTTER, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
 - CONCRETE DRIVEWAYS REQUIRE A MINIMUM DEPTH OF 6". (SEE STANDARD DETAIL 5-03 FOR DRIVEWAYS)



APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	06/2017	SIDEWALK DETAILS	5-01
2022 Standard Drawings			

SIDEWALK
DETAIL

5-01
72



- THE INTENT OF THIS DESIGN IS TO FACILITATE THE COMPACTION OF HOT MIX ASPHALT PAVEMENT ADJACENT TO A DRAINAGE STRUCTURE.
- THE CENTERLINE OF THE DRAINAGE STRUCTURE MAY DIFFER FROM THE CENTERLINE OF THE FRAME AND GRATE.
- EXPANSION JOINT MATERIAL TO BE 3/8" THICK PREMOLDED JOINT FILLER FULL THICKNESS OF CONCRETE. SEE SIDEWALK DETAILS (5-01) FOR EXPANSION JOINT SPACING.
- FORM AND SUBGRADE INSPECTION REQUIRED BEFORE POURING CONCRETE.

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	03/2024	CEMENT CONCRETE CURB and GUTTER	5-02
2022 Standard Drawings			

CURB AND GUTTER
DETAIL

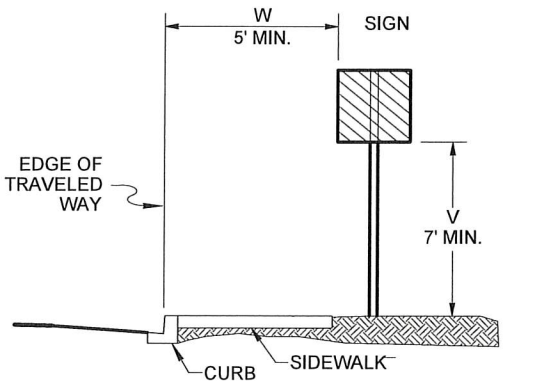
5-02
72



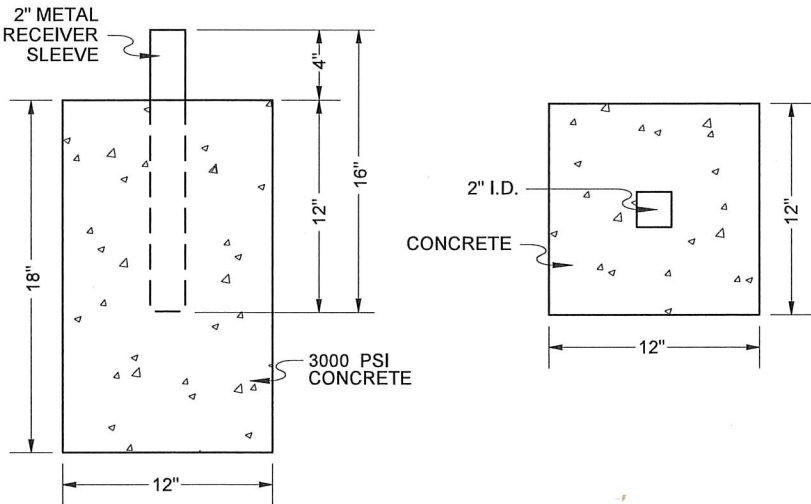
DESIGNED BY: P. PAGE
DRAWN BY: J. DEBUSK
SURVEYED BY: J. DEBUSK
CHECKED BY: P. PAGE

NOTES:

- 1. The minimum vertical distance from the bottom of the sign to the ground shall not be less than 7' for signs located within the Design Clear Zone.
- 2. Sign post shall be placed behind sidewalk wherever possible.
- 3. Where no curb exists, sign posts shall be 10" from edge of travel way or fog line.



SIGN CLEARANCES

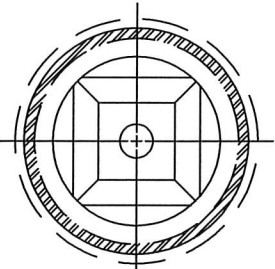


SIGN INSTALLATION IN SIDEWALK SECTION
DETAIL

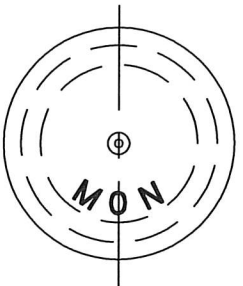
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N.T.S.

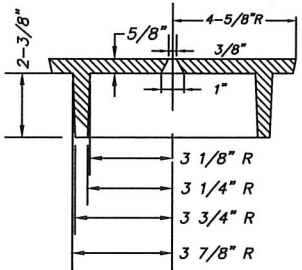
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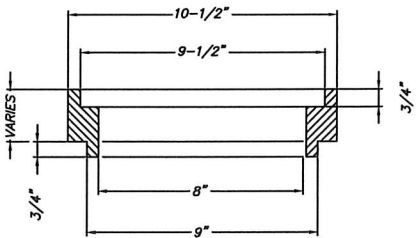
PLAN
COVER REMOVED



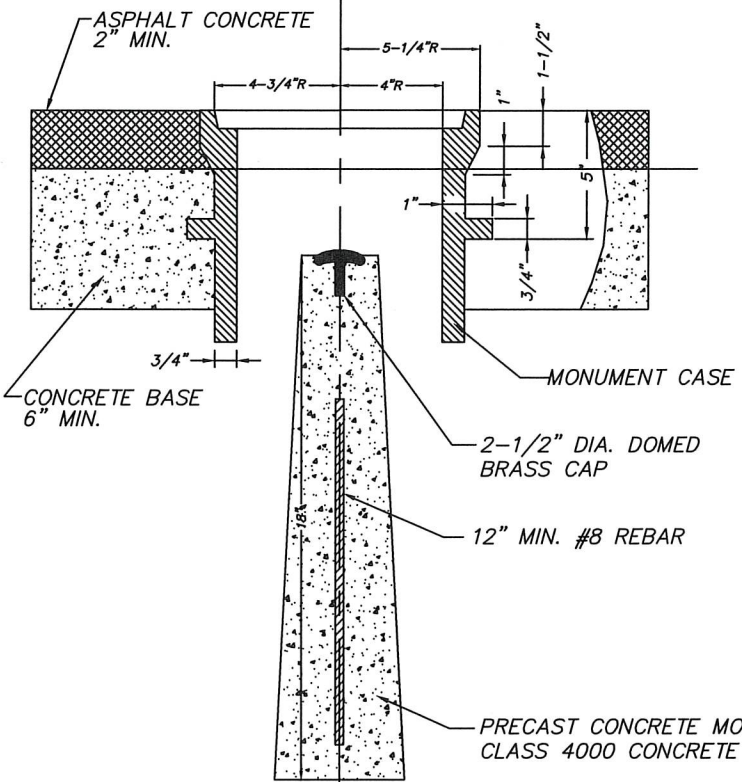
COVER PLAN



COVER SECTION



EXTENSION SECTION



SECTION

NOTES:

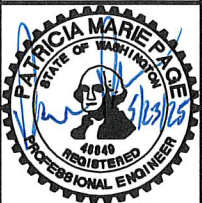
- 1. ALL MONUMENTS SHALL BE PRECAST CONCRETE WITH REBAR AND 2-1/2" BRASS CAP.
- 2. MONUMENT CASE AND RISER SECTION SHALL BE CAST IRON PER ASTM-A48 CLASS 30, WITH BITUMINOUS COATING.
- 3. COVER SHALL BE DUCTILE IRON PER ASTM-A536, GRADE 80-55-06, WITH BITUMINOUS COATING.
- 4. LEGEND ON COVER SHALL BE 1/8" RAISED INTEGRAALLY CAST LETTERS 1" HIGH WITH A MIN. FACE WIDTH OF 3/16".
- 5. MONUMENT POSITION SHALL BE SET BY A PROFESSIONAL LAND SURVEYOR LICENSED BY THE STATE OF WASHINGTON WHOSE CERTIFICATE NUMBER SHALL BE STAMPED ON THE CAMP.

APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	06/2017	SURVEY MONUMENT	4-04
2022 Standard Drawings			

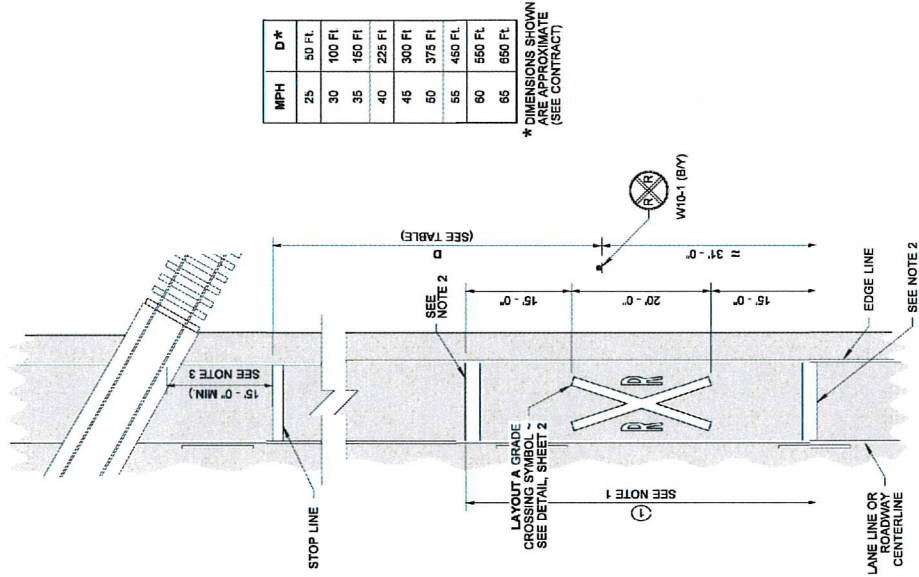
SURVEY MONUMENT
DETAIL

4-04

73



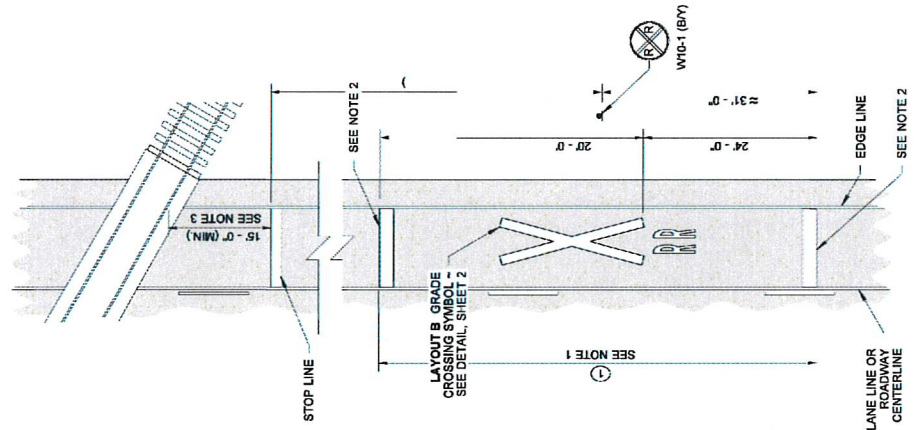
DRAWN BY: FERN LIDDELL



① TOTAL MARKING AREA (PER 12' (FT) WIDE LANE) = 109.75 SQ. FT.

LAYOUT A

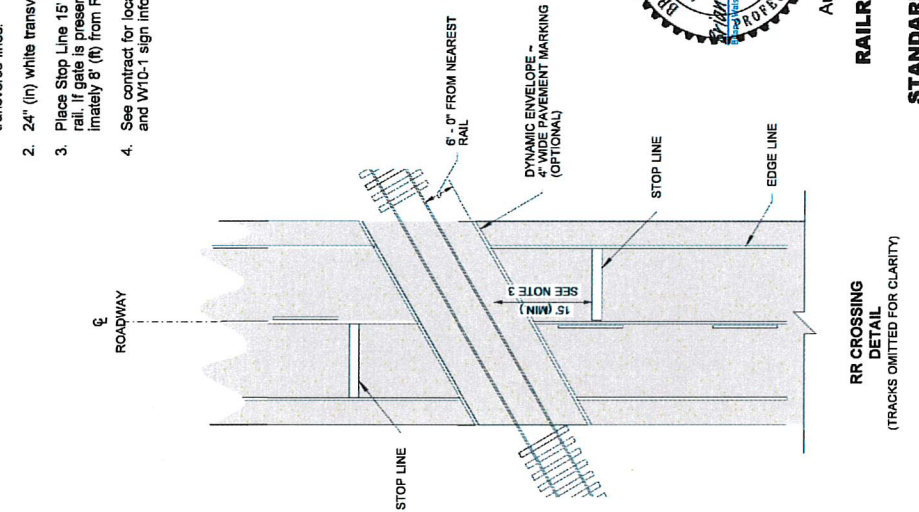
STANDARD SYMBOL



① TOTAL MARKING AREA (PER 12' (FT) WIDE LANE) = 111.50 SQ. FT.

LAYOUT B

(WSDOT PRIMARY ON RURAL ROADWAYS)



RR CROSSING
DETAIL
(TRACKS OMITTED FOR CLARITY)



Aug 1, 2022

RAILROAD CROSSING
LAYOUT

STANDARD PLAN M-11.10-04

SHEET 1 OF 2 SHEETS

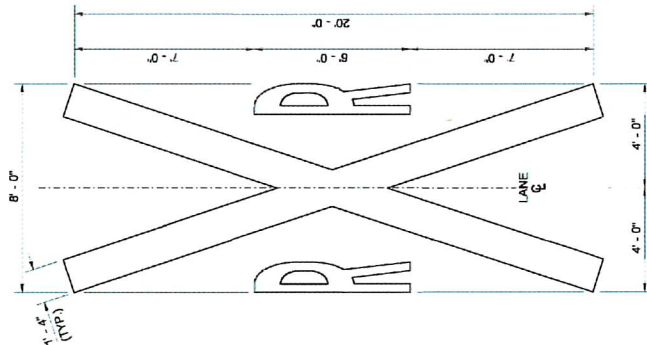
APPROVED FOR PUBLICATION

Aug 2, 2022

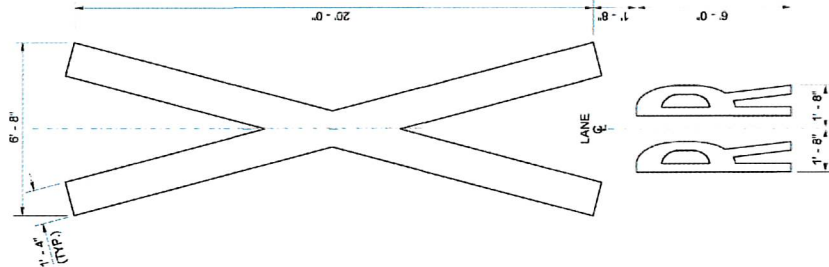
STATE ENGINEER

Washington State Department of Transportation

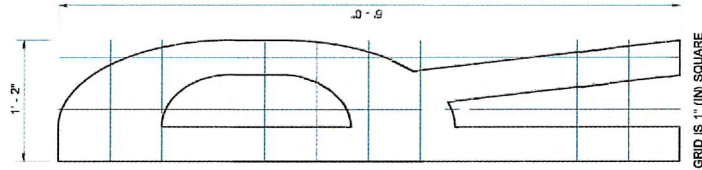
DRAWN BY: FERN LIDDELL



LAYOUT A
GRADE CROSSING SYMBOL
DETAIL



LAYOUT B
GRADE CROSSING SYMBOL
DETAIL



"R" DETAIL



Aug 1, 2022

RAILROAD CROSSING
LAYOUT

STANDARD PLAN M-11.10-04

SHEET 2 OF 2 SHEETS

APPROVED FOR PUBLICATION

Aug 2, 2022

STATE ENGINEER

Washington State Department of Transportation



DESIGNED BY: P. PAGE

DRAWN BY: J. DEBUSK

SURVEYED BY: J. DEBUSK

CHECKED BY: P. PAGE

May, 2025

SD08

74 OF 99

STREET DETAILS

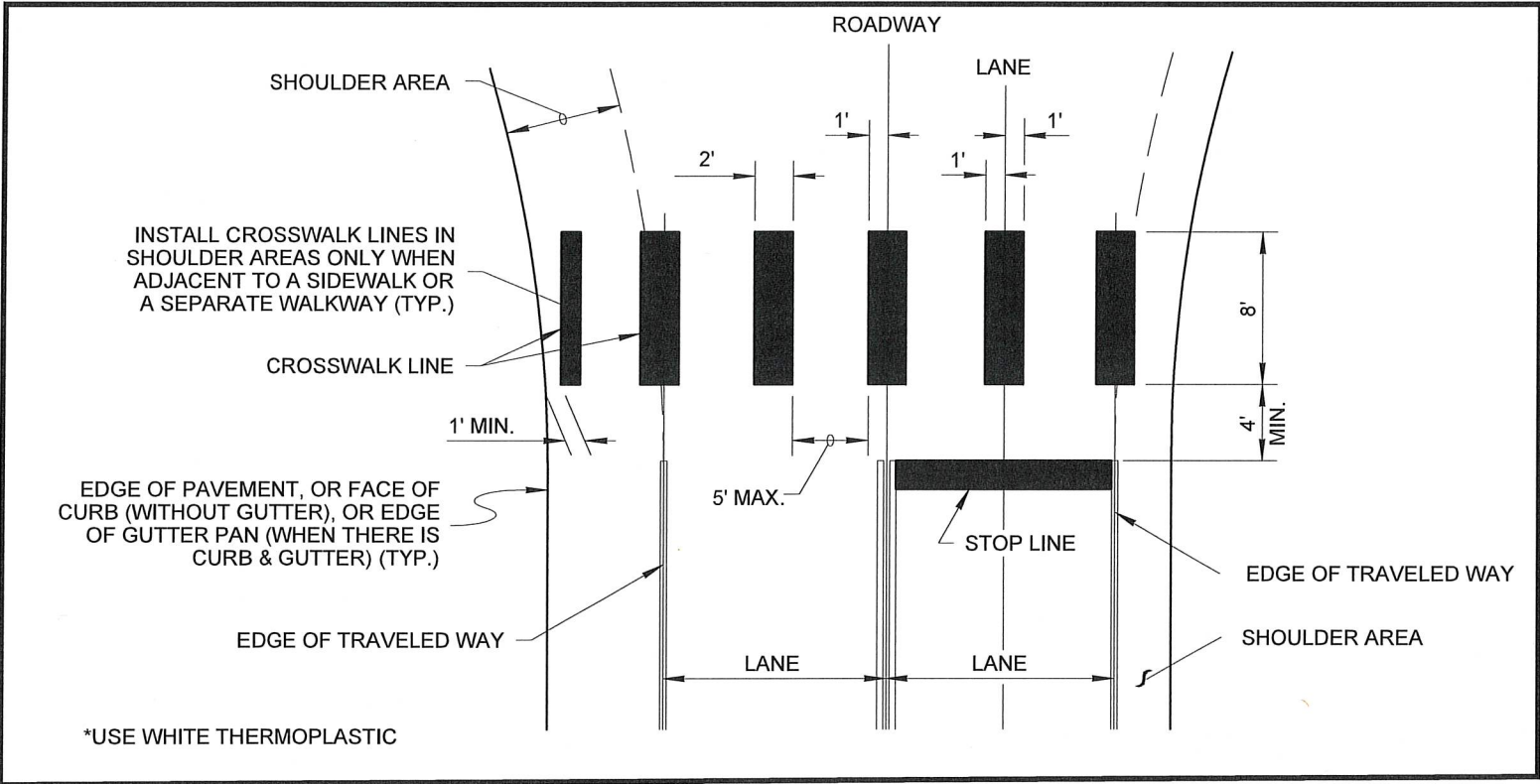
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IMPROVEMENTS

PW 2025-07

CITY OF CENTRALIA

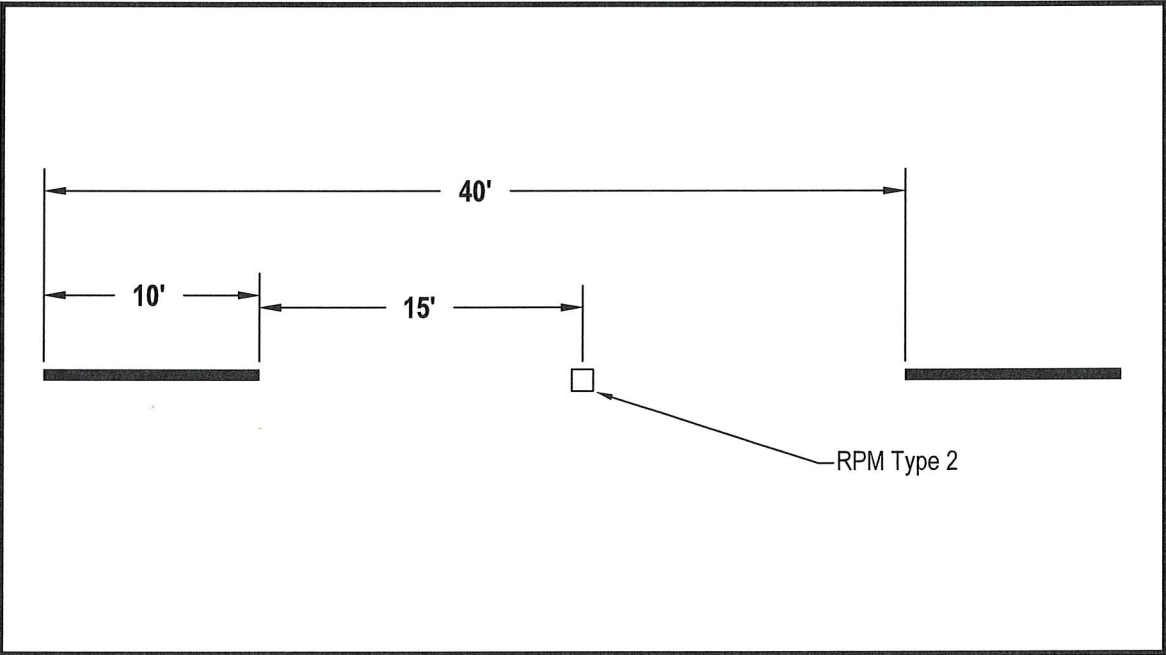
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P: 360.330.7512 F: 360.330.7516
CITY OF CENTRALIA.COM



TYPICAL CROSSWALK & STOP BAR
DETAIL

11
N.T.S.
75



PLASTIC LINE WITH RPMS
DETAIL

12
N.T.S.
75



DESIGNED BY: P. PAGE

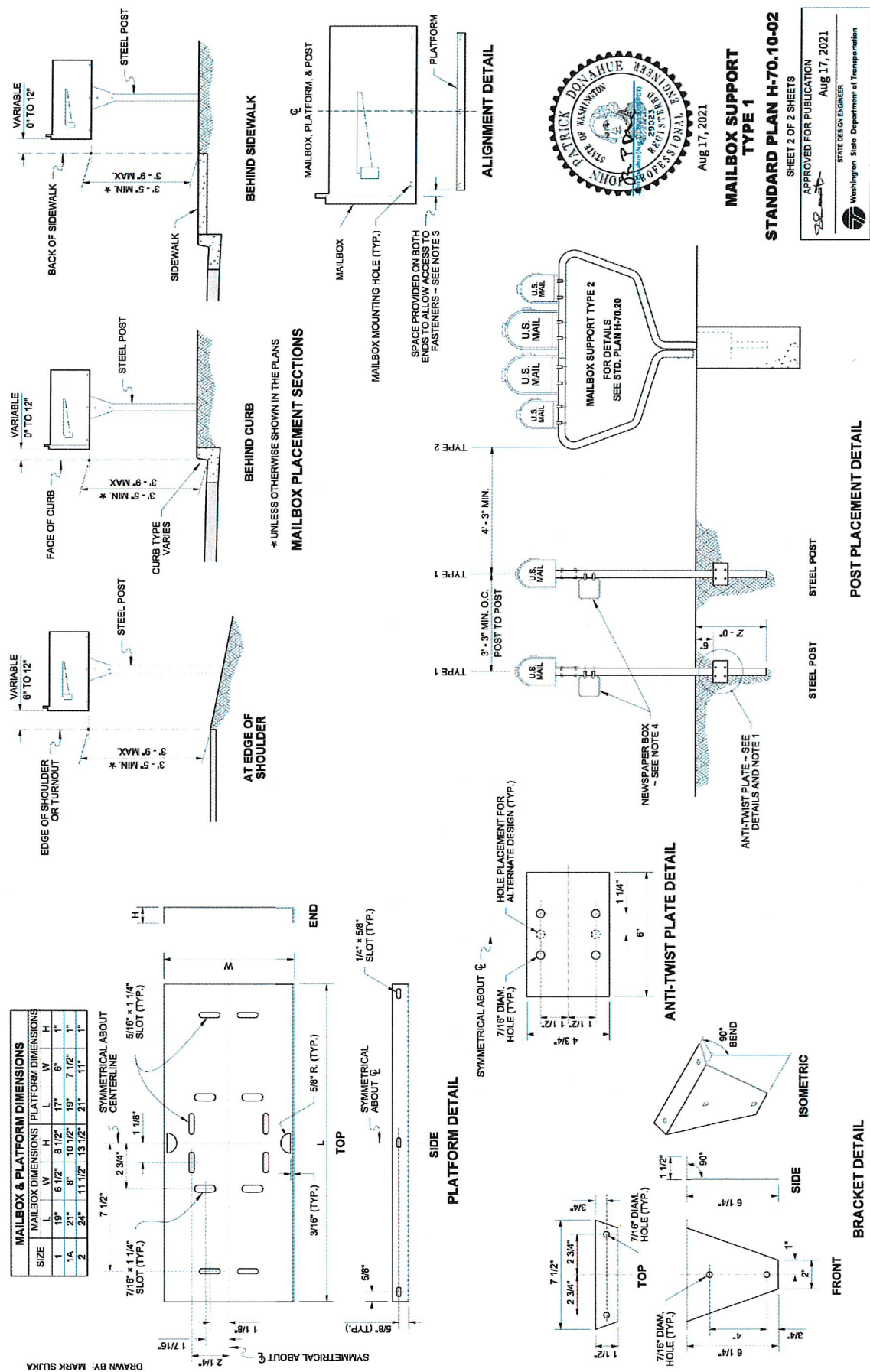
DRAWN BY: J. DEBUSK

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May, 2025

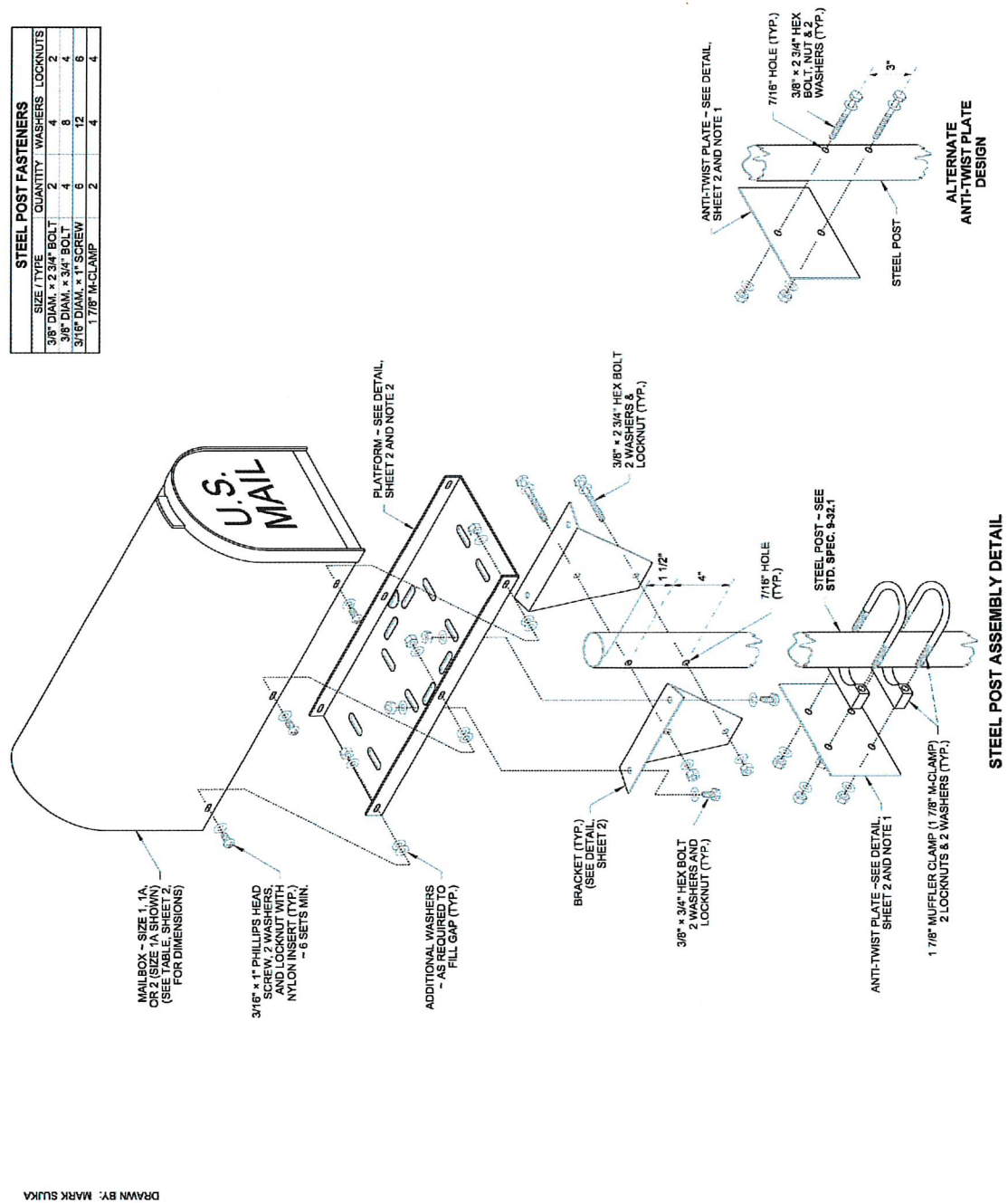
SD09



STEEL POST FASTENERS			
SIZE / TYPE	QUANTITY	WASHERS	LOCKNUTS
3/8" DIAM. x 2 3/4" BOLT	2	4	2
3/8" DIAM. x 3/4" BOLT	4	8	4
3/16" DIAM. x 1" SCREW	6	12	6
1 7/8" M-CLAMP	2	4	4

NOTES

1. The anchoring system shall meet MASH crash test criteria. The anti-twist plate anchoring system shown on this plan is deemed MASH compliant by WSDOT.
2. The V-Wing socket and wedge assembly in a concrete base shown on Std. Plan H-70-20 is also deemed MASH compliant by WSDOT and may be substituted in lieu of the anti-twist plate designs shown.
3. Other MASH compliant anchoring systems manufactured by or recommended by the Type I support manufacturer are allowed to be used in lieu of the anti-twist plate or V-wing socket and wedge assembly.
4. The platform design shown on this plan features slots that accommodate several types of mailbox supports; only those slots necessary for assembling the type being installed are required. An adjustable platform may be used in lieu of this design, but it must fit the bracket design shown on this plan. Brackets are required for all single-post installations. Field drilling may be necessary.
5. Center the mailbox on the platform to ensure space for the mailbox door to open and to allow space for installing the fasteners (see ALIGNMENT DETAIL, Sheet 2). Spacing of mailbox mounting holes varies among manufacturers.
6. Attachment of the mailbox to the platform may require drilling additional holes through the mailbox to fit the platform.
7. Attach a newspaper box to a steel post with two 1/8" (in) Muffler Clamps spaced 4" (in) apart. Field drill 7/16" (in) holes in the newspaper box to fit. Newspaper boxes must not extend beyond the front of the mailbox when the mailbox door is closed.
8. A Type 2 Support (Standard Plan H-70-20) is required when 2 or more mailboxes are to be installed on one support.



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**MAILBOX SUPPORT
TYPE 1**


 STATE DESIGN ENGINEER
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 SHEET 1 OF 2 SHEETS

SD10

76 OF 99

DESIGNED BY: P. PAGE

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SURVEYED BY: J. DEBUSK

CHECKED BY: P. PAGE

May, 2025



S YEW ST AND SOUTH ST IMPROVEMENTS

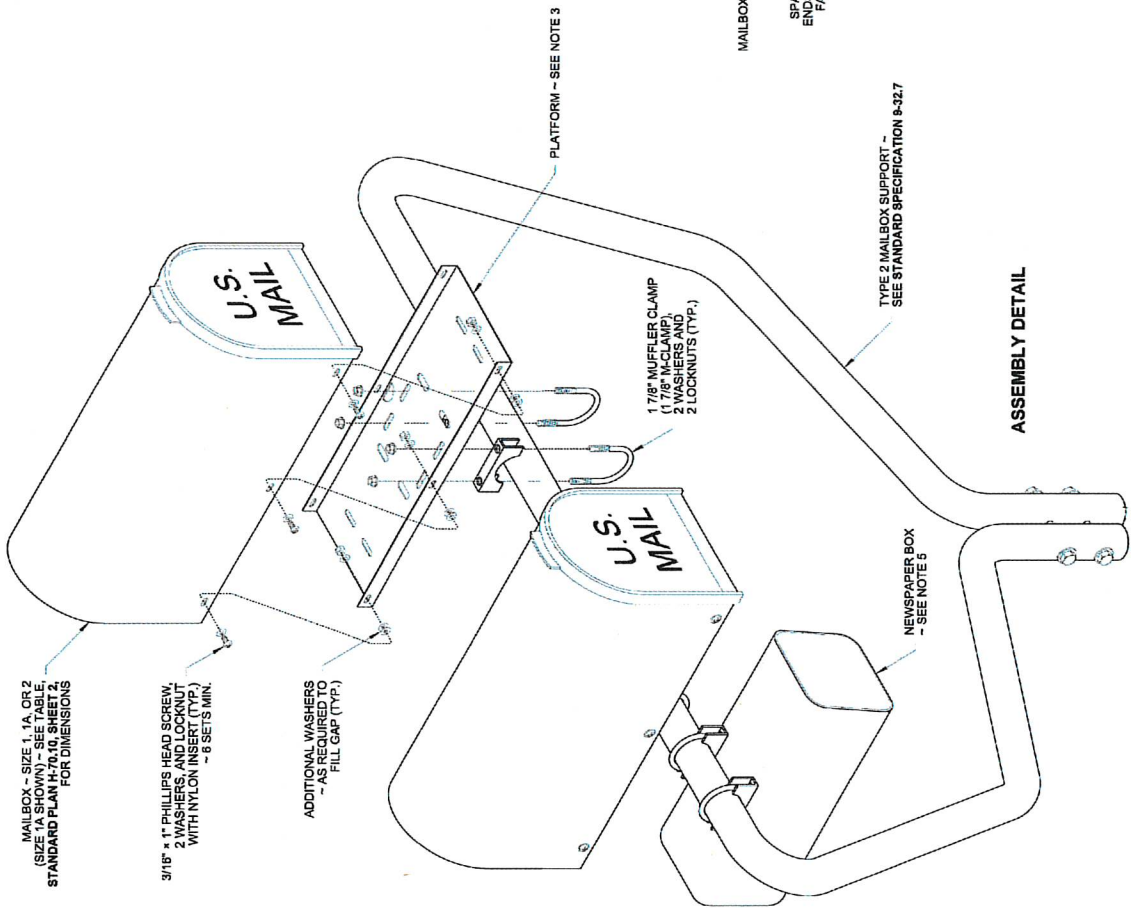
PW 2025-07

STREET DETAILS

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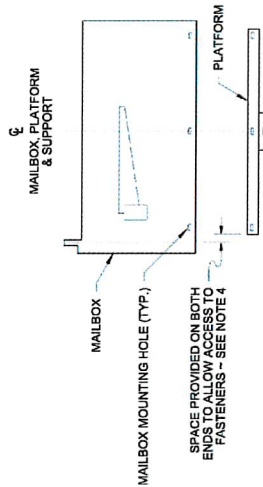
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CITY OF CENTRALIA.COM

DRAWN BY: MARK SUJKA



NOTES

- The anchoring system shall meet MASH crash test criteria. The V-wing socket and wedge assembly installed in a concrete base as detailed in this plan is deemed MASH compliant by VSDOT. Other MASH compliant anchoring systems manufactured by or recommended by the Type 2 support manufacturer are allowed to be used in lieu of the V-wing socket and wedge assembly.
- A maximum of five mailboxes may be installed on a Type 2 Support. The combined weight of the empty mailboxes shall not exceed 30 Lbs. If different sized mailboxes are used on a Type 2 support, the center position mailboxes must either be the same size as the edge position mailboxes or larger than the edge position mailboxes.
- The Platform design shown in this plan is detailed in the PLATFORM DETAIL, Standard Plan H-70.10, Sheet 2. The design features slots that accommodate several types of mailbox supports; only those slots necessary for assembling the type being installed are required. An adjustable platform may be used in lieu of this platform design. Adjustable platforms must fit the 1 7/8\" (in) M-Clamp.
- Center the mailbox on the platform to ensure space for the mailbox door to open and to allow space for installing the fasteners (see ALIGNMENT DETAIL). Spacing of mailbox mounting holes varies among manufacturers. Attachment of the mailbox to the platform may require drilling additional holes through the mailbox to fit the platform.
- Attach a newspaper box to a Type 2 Support with two 1 7/8\" (in) Muffler Clamps spaced 4\" (in) apart. Field drill 7/16\" (in) holes in the newspaper box to fit Newspaper boxes must not extend beyond the front of the mailbox when the mailbox door is closed.



ALIGNMENT DETAIL
SEE NOTE 4

MAILBOX SUPPORT
TYPE 2

STANDARD PLAN H-70.20-02

SHEET 1 OF 2 SHEETS

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Washington State Department of Transportation



Aug 17, 2021

ALIGNMENT DETAIL
SEE NOTE 4

MAILBOX SUPPORT
TYPE 2

STANDARD PLAN H-70.20-02

SHEET 1 OF 2 SHEETS

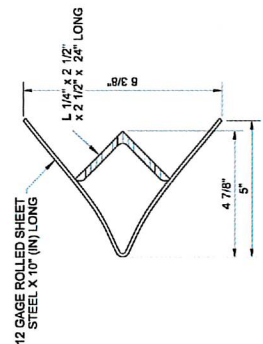
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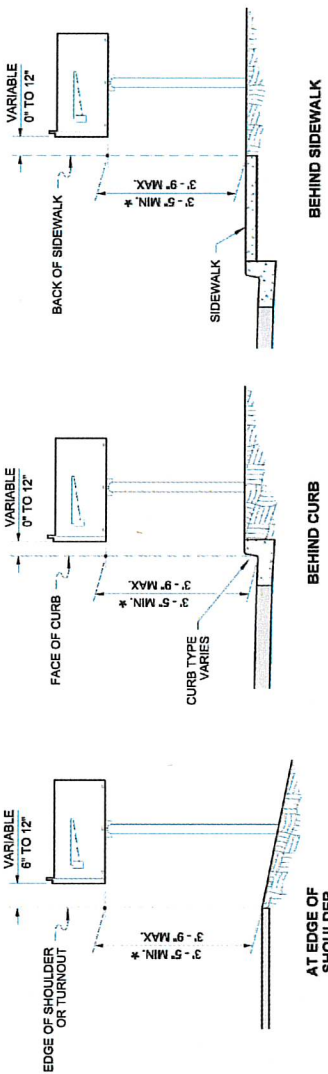
Aug 17, 2021



TOP
V-WING SOCKET DETAIL

DRAWN BY: MARK SUJKA

MAILBOX PLACEMENT SECTIONS
* UNLESS OTHERWISE SHOWN IN THE PLANS

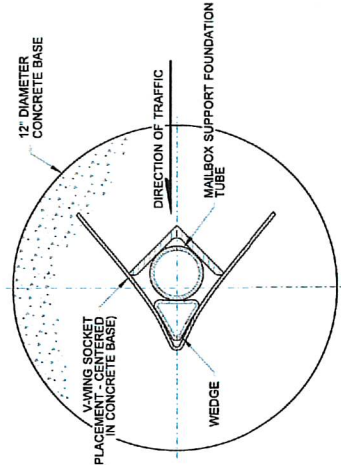


AT EDGE OF
SHOULDER

BEHIND CURB

BEHIND SIDEWALK

WEDGE DETAIL



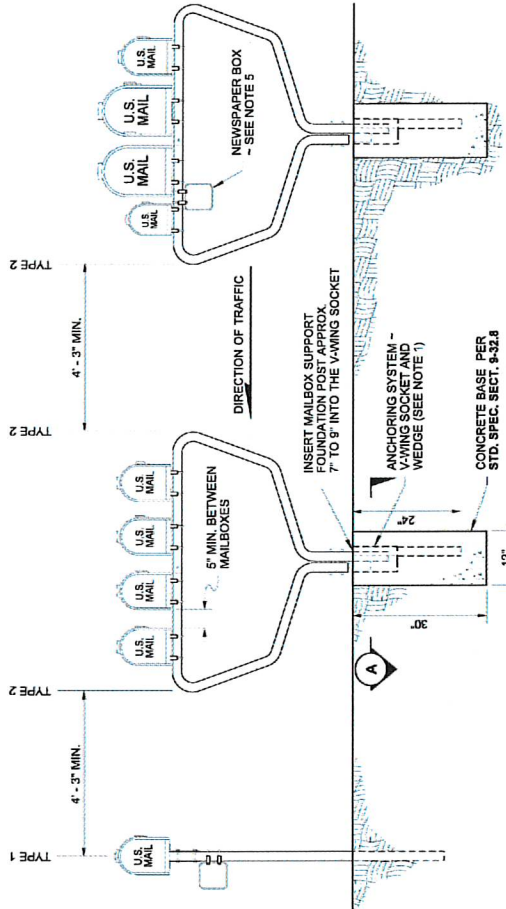
SECTION A

V-WING SOCKET AND
WEDGE ASSEMBLY DETAIL
(PLACEMENT - TOP OF ASSEMBLY
FLUSH WITH CONCRETE BASE SURFACE)

MAILBOX SUPPORT TYPE 1
FOR DETAILS
SEE STANDARD PLAN H-70.10

MAILBOX SUPPORTS TYPE 2

SPACING DETAIL



Aug 17, 2021

MAILBOX SUPPORT
TYPE 2

STANDARD PLAN H-70.20-02

SHEET 2 OF 2 SHEETS

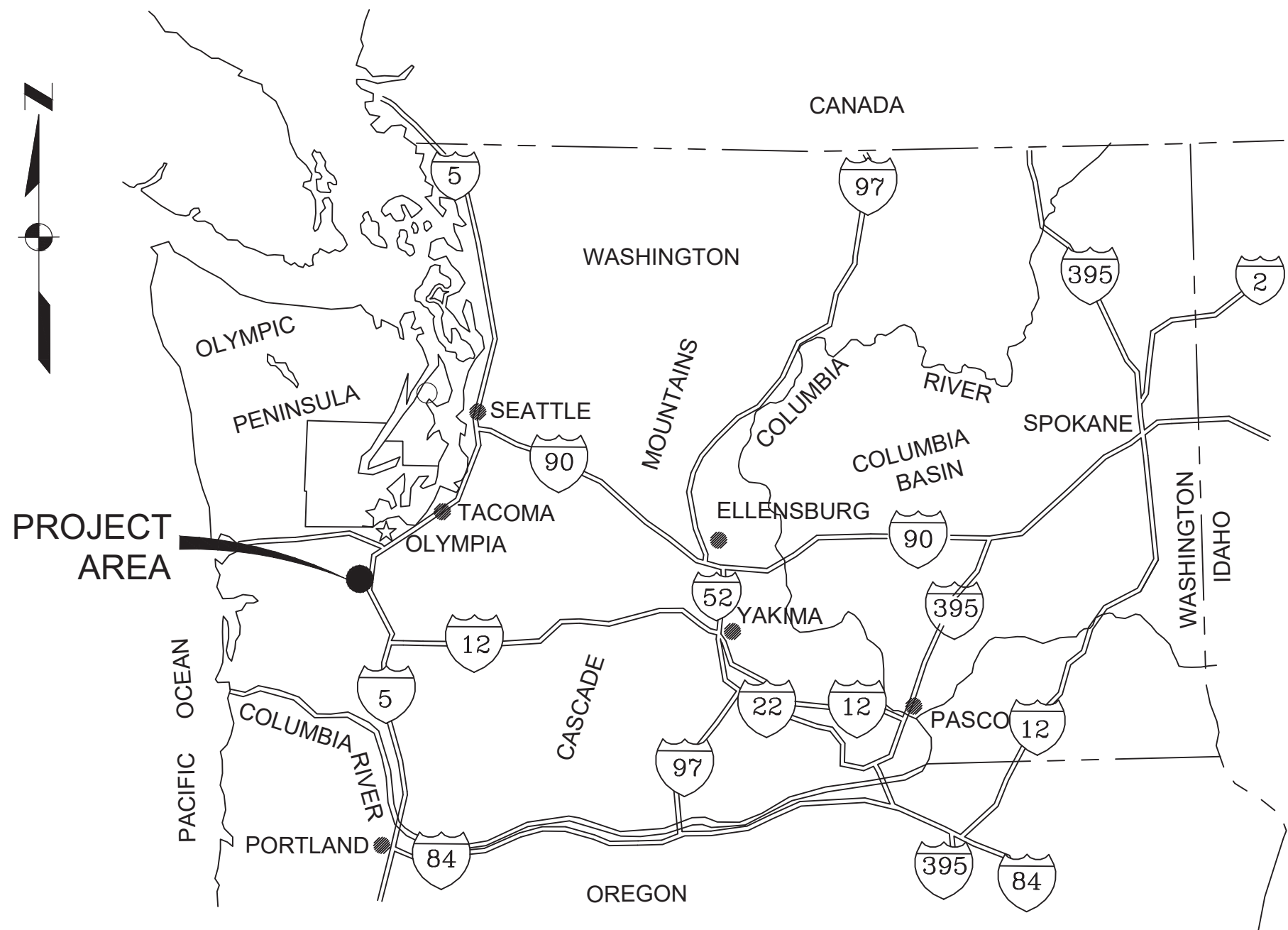
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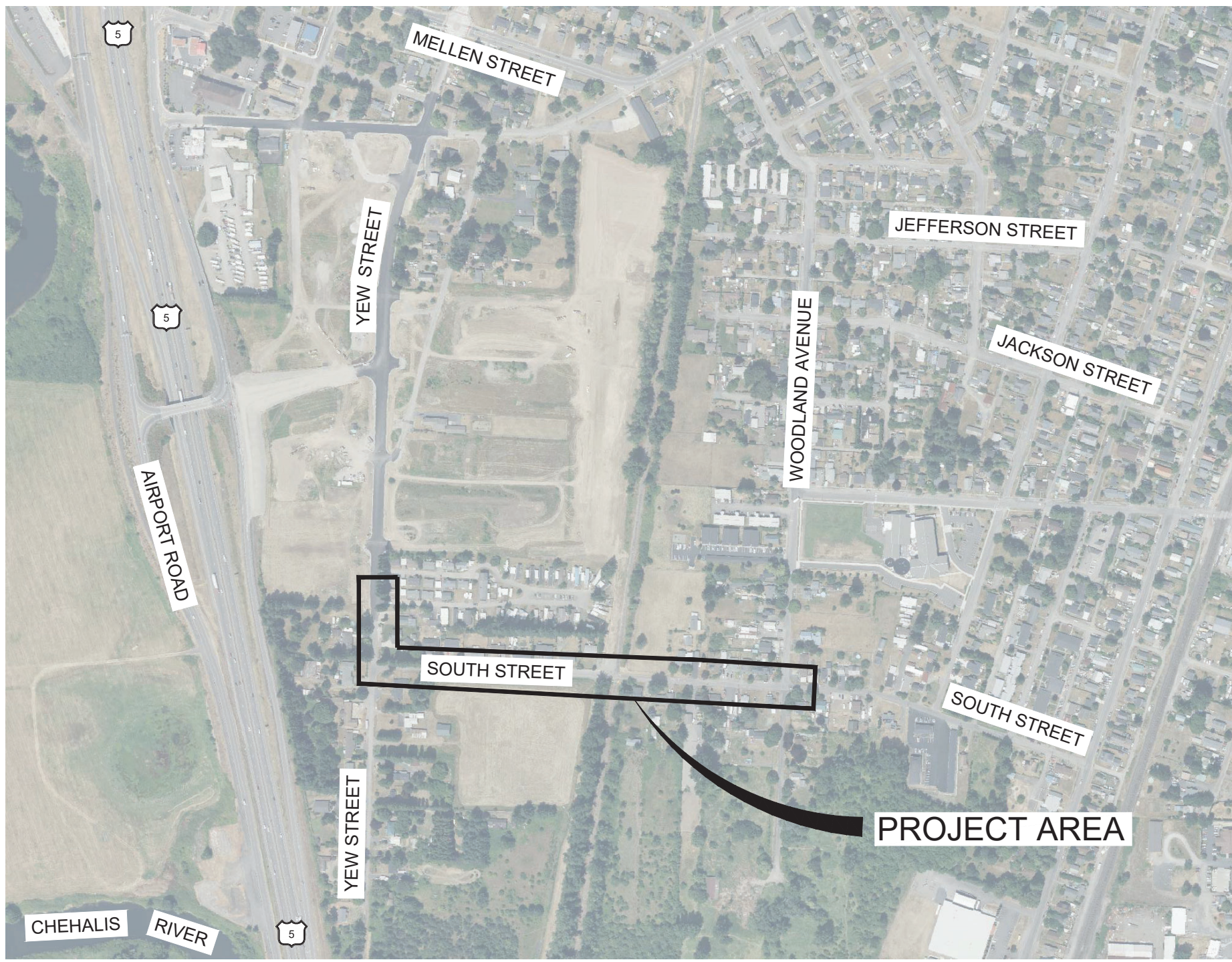
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VICINITY MAP
SCALE: NTS

CITY OF CENTRALIA CENTRALIA, WASHINGTON

S. YEW STREET AND SOUTH STREET GRAVITY SEWER UPGRADE



LOCATION MAP
SCALE: NTS

DRAWING INDEX

SHT #	DWG #	SHEET TITLE
GENERAL		
1	G-001	COVER, LOCATION & VICINITY MAPS, AND DRAWING INDEX
2	G-002	GENERAL NOTES AND LEGEND
3	G-003	OVERALL SITE PLAN, SURVEY CONTROL AND KEYMAP
SANITARY SEWER		
4	C-001	CIVIL ABBREVIATIONS AND NOTES
5	C-002	CIVIL LEGEND
6	C-003	CIVIL DETAILS - I
7	C-004	CIVIL DETAILS - II
8	C-005	CIVIL DETAILS - III
9	C-201	PLAN AND PROFILE - GRAVITY LINE STA 1+00 TO STA 3+50
10	C-202	PLAN AND PROFILE - GRAVITY LINE STA 3+50 TO STA 8+00
11	C-203	PLAN AND PROFILE - GRAVITY LINE STA 8+00 TO STA 12+00
12	C-204	PLAN AND PROFILE - GRAVITY LINE STA 12+00 TO STA 16+00
13	C-205	PLAN AND PROFILE - GRAVITY LINE STA 16+00 TO END
14	C-206	TRENCHLESS CROSSING AND MONITORING PLAN
15	C-207	TRENCHLESS CROSSING NOTES AND DETAILS



ISSUED FOR BID					SCALES 0 1" 0 25mm IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.		DESIGNED JM	CITY OF CENTRALIA CENTRALIA, WASHINGTON S. YEW STREET AND SOUTH STREET GRAVITY SEWER UPGRADE	COVER, LOCATION & VICINITY MAPS, AND DRAWING INDEX	SCALE NTS
	ANY PRINTS NOT BEARING THIS STAMP MAY HAVE BEEN PRINTED PRIOR TO ADVERTISING AND CANNOT BE CONSIDERED AS BID DOCUMENTS. USERS OF THIS DOCUMENT IN EDITABLE ELECTRONIC FORMATS ARE CAUTIONED AGAINST USE WITHOUT FIRST DETERMINING WHETHER CHANGES MAY HAVE BEEN MADE SUBSEQUENT TO ITS PREPARATION.						DRAWN CBD			JOB NO 2397004.00
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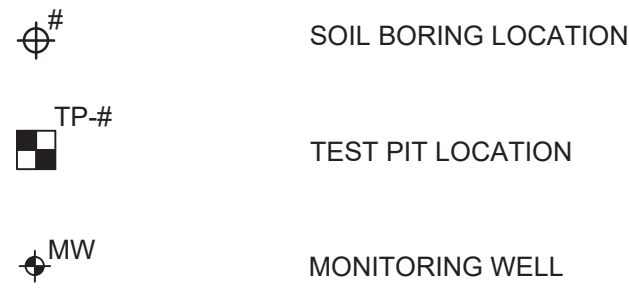
GENERAL NOTES		CALLOUTS AND SHORTHAND SYMBOLS			SYMBOLGY			CROSS-REFERENCING SYMBOLS					
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		<div><div>ISSUED FOR BID</div><div>ANY PRINTS NOT BEARING THIS STAMP MAY HAVE BEEN PRINTED PRIOR TO ADVERTISING AND CANNOT BE CONSIDERED AS BID DOCUMENTS. USERS OF THIS DOCUMENT IN EDITABLE ELECTRONIC FORMATS ARE CAUTIONED AGAINST USE WITHOUT FIRST DETERMINING WHETHER CHANGES MAY HAVE BEEN MADE SUBSEQUENT TO ITS PREPARATION.</div></div>		<div><div>NO</div><div>REVISION</div><div>DATE</div><div>BY</div></div>		<div><div>SCALES</div><div>0 1" 0 25mm</div><div>IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.</div></div>		<div><div><div><div><div>NATHAN WARD</div><div>STATE OF WASHINGTON</div><div><div></div></div><div>Nathan Ward</div><div>54336</div><div>REGISTERED PROFESSIONAL ENGINEER</div></div></div><div>Sealed by: Nathan Ward, License No. 54336, Date: May 19, 2025, Project No. 2397004</div></div></div> <div><div>DESIGNED</div><div>JM</div><div>DRAWN</div><div>CEC</div><div>CHECKED</div><div>NTW</div></div> <div><div>CITY OF CENTRALIA</div><div>CENTRALIA, WASHINGTON</div><div>S. YEW STREET AND SOUTH STREET GRAVITY SEWER UPGRADE</div><div><div>KJ</div><div>Kennedy Jenks</div></div></div>		<div><div>GENERAL NOTES AND LEGEND</div><div>SCALE NTS</div><div>JOB NO 2397004.00</div><div>DATE MAY 2025</div><div>SHEET 2 OF 15</div><div>G-002</div></div>			

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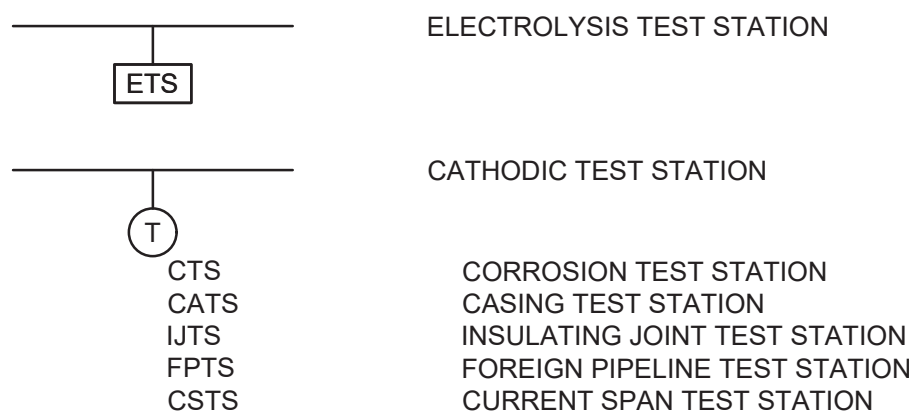
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<div><div><div>'</div><div>"</div><div>#</div><div>%</div><div>&</div><div>@</div><div>++</div><div>⊕</div><div>⊖</div><div>^</div><div>=</div><div>></div><div>Δ</div><div>∠</div><div>°</div><div>AASHTO</div><div>AB</div><div>ABAN(-D)</div><div>ABS</div><div>AC</div><div>ACP</div><div>ADA</div><div>ADDIT</div><div>ADJ</div><div>ADWF</div><div>AF</div><div>AGG</div><div>ALTD</div><div>ALUM</div><div>ANC</div><div>APPROX</div><div>ARCH</div><div>ASCE</div><div>ASPH</div><div>ASSY</div><div>ASTM</div><div>AVE</div><div>AVG</div><div>AWT</div><div>AWWA</div><div>B/W</div><div>BC</div><div>BCR</div><div>BF</div><div>BFP</div><div>BLDG</div><div>BLK</div><div>BM</div><div>BO</div><div>BOC</div><div>BOT</div><div>BVC</div><div>C</div><div>C/C</div><div>CALC(S)</div><div>CATV</div><div>CB</div><div>CATCH BASIN</div><div>CEM</div><div>CFS</div><div>CHAN</div><div>CI</div><div>CIP</div><div>CISP</div><div>CJ</div><div>CLR</div><div>CLSM</div><div>CMC</div><div>CML</div><div>CML&C</div><div>CMP</div><div>CMU</div><div>CNJ</div><div>CNTR</div><div>CO</div><div>COL</div><div>CONC</div><div>CONN</div><div>CONST</div><div>CONT</div><div>CORP</div><div>COTG</div><div>CP</div><div>CPP</div><div>CPLG</div><div>CPVC</div><div>CR</div><div>CTRL</div><div>CTS</div><div>CU FT</div><div>CU YD</div><div>DCA</div><div>DEFL</div><div>DEG</div><div>DEMO</div><div>DEPT</div><div>DI</div><div>DIA</div><div>DIAG</div><div>DIAPHR</div><div>DIM(S)</div><div>DIP</div><div>DISCH</div><div>DISTR</div><div>DL</div><div>DN</div><div>DO</div><div>DR</div><div>DS</div><div>DTL(-S)</div><div>DWG(-S)</div><div>E</div><div>EA</div><div>EC</div><div>ECC</div><div>ECD</div><div>ECR</div><div>EF</div><div>EFFIC</div><div>EFFL</div><div>EG</div><div>EGL</div><div>EL</div><div>EL&C</div><div>ELEC</div><div>ELL</div><div>EMERG</div><div>ENCL</div><div>ENGR</div><div>EP</div><div>EPA</div><div>EQ</div><div>EQPM</div><div>EST</div><div>ETC</div><div>ETS</div><div>EVC</div><div>EW</div><div>EXC</div><div>EXH</div><div>EXIST</div><div>EXP</div><div>EXT</div><div>FAC</div><div>FACIL</div><div>FC</div><div>FCA</div><div>FCO</div><div>FD</div><div>FDR</div><div>FF</div><div>FFE</div><div>FG</div><div>FH</div><div>FIG</div><div>FIN</div><div>FL</div><div>FLEX</div><div>FLG</div><div>FLOC</div><div>FM</div><div>FMS</div><div>FRP</div><div>FS</div><div>FT</div><div>FTG</div><div>FUT</div><div>GA</div><div>GAC</div><div>GAL</div><div>GALV</div><div>GAS</div><div>GB</div><div>GI</div><div>GND</div><div>GPD</div><div>GPH</div><div>GPM</div><div>GPR</div><div>GR</div><div>GRL</div><div>GS</div><div>H</div><div>H2O2</div><div>H2S</div><div>H2SO4</div><div>HB</div><div>HDPE</div><div>HGL</div><div>HH</div><div>HM</div><div>HORZ</div><div>HP</div><div>H-P</div><div>HPT</div><div>HR(S)</div><div>HT</div><div>HVAC</div><div>HWL</div><div>HWY</div><div>HYD</div><div>I&C</div><div>ID</div><div>IE</div><div>IN</div><div>INFL</div><div>INSTR</div><div>INV</div><div>IPS</div><div>IRRG</div><div>ISO</div><div>IX</div><div>JB</div><div>JT</div><div>L</div><div>LAT</div><div>LB(-S)</div><div>LB(-S)/SF</div><div>LF</div><div>LG</div><div>LIP</div><div>LL</div><div>LOC</div><div>LP</div><div>LPG</div><div>LR</div><div>LT</div><div>LTG</div><div>LWL</div><div>MAX</div><div>MCC</div><div>MECH</div><div>MF</div><div>MFR</div><div>MG</div><div>MGD</div><div>MH</div><div>MIL(-S)</div><div>MIN</div><div>MISC</div><div>MJ</div><div>MOD(-S)</div><div>MON</div><div>MPH</div><div>MSE</div><div>MT(-D, -G)</div><div>MTL</div><div>N</div><div>N/A</div><div>NAD</div><div>NAOCL</div><div>NAOH</div><div>NAV</div><div>NE</div><div>NF</div><div>NFC</div><div>NG</div><div>NH3</div><div>NIC</div><div>NO</div><div>NOM</div><div>NORM</div><div>NPT</div><div>NTS</div><div>NW</div><div>NWL</div><div>O3</div><div>OC</div><div>OD</div><div>OF</div><div>OG</div><div>OPNG(-S)</div><div>ORIG</div><div>P</div><div>P/L</div><div>PACP</div><div>PC(-S)</div><div>PCC</div><div>PCCP</div><div>PCO</div><div>PCOTG</div><div>PE</div><div>PERC</div><div>PERF</div><div>PF</div><div>PI</div><div>PM</div><div>POT</div><div>PP</div><div>PR</div><div>PRESS</div><div>PROP</div><div>PROT</div><div>PRV</div><div>PSF</div><div>PSI</div><div>PSL</div><div>PSTA</div><div>PSV</div><div>PT(-S)</div><div>PVC</div><div>PVI</div><div>PVMT</div><div>PVT</div><div>PW</div><div>PWR</div><div>R, RAD</div><div>R/W</div><div>RCCP</div><div>RCP</div><div>RD</div><div>RED</div><div>REG</div><div>REINF</div><div>REQD</div><div>REQT</div><div>RESIL</div><div>RESV</div><div>RM</div><div>RND</div><div>RO</div><div>RPP</div><div>RR</div><div>RT</div><div>RTE</div><div>RTN</div><div>S</div><div>SW</div><div>SCADA</div><div>SCH</div><div>SD</div><div>SDMH</div><div>SE</div><div>SECT</div><div>SGNL</div><div>SHT</div><div>SI</div><div>SIM</div><div>SPC(-S, -D)</div><div>SPEC(-S)</div><div>SQ</div><div>SQ FT</div><div>SQ MI</div><div>SS</div><div>SSMH</div><div>SSWR</div><div>ST</div><div>STA</div><div>STD(-S)</div><div>STL</div><div>STM</div><div>STRC</div><div>SUPP</div><div>SURF</div><div>SW</div><div>SYM</div><div>SYS</div><div>T&B</div><div>T/C</div><div>T/P</div><div>T/S</div><div>T/W</div><div>T-_-P</div><div>T-_-S</div><div>TAN</div><div>TBM</div><div>TDH</div><div>TEL</div><div>TEMP</div><div>THK</div><div>THRU</div><div>TNK</div><div>TOP</div><div>TOPO</div><div>TOT</div><div>TP</div><div>TRTMT</div><div>TYP</div><div>UD</div><div>UF</div><div>UG</div><div>UNKN</div><div>UV</div><div>VAR</div><div>VC</div><div>VCP</div><div>VERT</div><div>VFD</div><div>VIF</div><div>VOL</div><div>VPI</div><div>VT</div><div>VTP</div><div>VTR</div><div>W</div><div>W/</div><div>W/O</div><div>WB</div><div>WCO</div><div>WD</div><div>WMH</div><div>WP</div><div>WS</div><div>WSP</div><div>WSTP</div><div>WT</div><div>WTP</div><div>WTR</div><div>WW</div><div>WWF</div><div>WWW</div><div>WWT</div><div>XFMR</div><div>YD</div><div>YR</div><div>REGULAT(-E, -OR, -ION, -ING)</div><div>REINFOR(-E, -ED, -ING, -EMENT)</div><div>REQUIRED</div><div>REQUIREMENT</div><div>RESILIENT</div><div>RESERVOIR</div><div>ROOM</div><div>ROUND</div><div>REVERSE OSMOSIS</div><div>REDUCED PRESSURE PRINCIPLE</div><div>RAILROAD</div><div>RIGHT TURN</div><div>ROUTE</div><div>RETURN</div><div>SEWER, SOUTH</div><div>SIDEWALK</div><div>SUPERVISORY CONTROL AND DATA ACQUISITION</div><div>SCHEDULE</div><div>STORM DRAIN</div><div>STORM DRAIN MANHOLE</div><div>SOUTHEAST</div><div>SECTION</div><div>SIGNAL</div><div>SHEET</div><div>SIDE INLET</div><div>SIMILAR</div><div>SPACE(-S, -D)</div><div>SPECIFICATION(-S)</div><div>SQUARE</div><div>SQUARE FEET</div><div>SQUARE MILES</div><div>STAINLESS STEEL, SANITARY SEWER</div><div>SANITARY SEWER MANHOLE</div><div>SANITARY SEWER</div><div>STREET</div><div>STATION</div><div>STANDARD(-S)</div><div>STEEL</div><div>STEAM</div><div>STRUCTUR(-E, -AL)</div><div>SUPPORT(-S)</div><div>SURFACE</div><div>SOUTHWEST</div><div>SYMMETRICAL</div><div>SYSTEM</div><div>TOP AND BOTTOM</div><div>TOP OF CONCRETE</div><div>TOP OF PAVEMENT</div><div>TOP OF STEEL</div><div>TOP OF WALL</div><div>TYPE _____ PIPE</div><div>TYPE _____ SUPPORT</div><div>TANGENT(-IAL)</div><div>TEMPORARY BENCHMARK, TUNNEL BORING MACHINE</div><div>TOTAL DYNAMIC HEAD</div><div>TELEPHONE</div><div>TEMPERATURE, TEMPORARY</div><div>THICK(-ENED, -ENER, -NESS)</div><div>THROUGH</div><div>TOP OF PIPE</div><div>TOPOGRAPHY</div><div>TOTAL, TOTALIZE(R)</div><div>TEST PIT</div><div>TREATMENT</div><div>TYPICAL</div><div>UNDERDRAIN</div><div>ULTRAFILTRATION</div><div>UNDERGROUND</div><div>UNKNOWN</div><div>ULTRAVIOLET</div><div>VARIES, VARIABLE</div><div>VERTICAL CURVE</div><div>VITRIFIED CLAY PIPE</div><div>VERTICAL</div><div>VARIABLE FREQUENCY DRIVE (AC)</div><div>VERIFY IN FIELD</div><div>VOLUME</div><div>VERTICAL POINT OF INTERSECTION</div><div>VENT</div><div>VERTICAL TURBINE PUMP</div><div>VENT TO ROOF</div><div>WIDE, WIDTH, WELDED, WEST</div><div>WITH</div><div>WITHOUT</div><div>WATER BAR</div><div>WALL CLEANOUT</div><div>WOOD</div><div>WATER MANHOLE</div><div>WATERPROOF</div><div>WATER SURFACE</div><div>WELDED STEEL PIPE</div><div>WATERSTOP</div><div>WEIGHT</div><div>WATER TREATMENT PLANT</div><div>WATER</div><div>WATER VALVE</div><div>WASTEWATER</div><div>WELDED WIRE FABRIC</div><div>WELDED WIRE MESH</div><div>WASTEWATER TREATMENT PLANT</div><div>TRANSFORMER</div><div>YARD</div><div>YEAR</div></div></div>				<div><div>GENERAL</div><div>1. OBTAIN PERMITS NECESSARY TO COMPLETE FEATURES WITHIN EASEMENTS, DEDICATIONS AND PUBLIC RIGHT-OF-WAY.</div><div>2. COORDINATES ARE PROVIDED AS FOLLOWS UNLESS OTHERWISE NOTED ON DRAWINGS: 2.1. FACE OF WALL 2.2. FACE OF CURB 2.3. CORNER OF EQUIPMENT PADS AND VAULTS</div><div>3. ORIENT SURFACE FEATURES PARALLEL TO CURB/GUTTER OR WALLS UNLESS OTHERWISE NOTED.</div><div>4. PROTECT ALL SURVEY MONUMENTS.</div><div>5. SHOULD THE CONTRACTOR DISCOVER ANY DISCREPANCIES BETWEEN THE CONDITIONS EXISTING IN THE FIELD AND THE INFORMATION SHOWN ON THESE DRAWINGS, CONTRACTOR SHALL NOTIFY THE OWNER PRIOR TO PROCEEDING WITH CONSTRUCTION.</div><div>6. THE CONTRACTOR SHALL MAINTAIN A COPY OF AN APPROVED SET OF PLANS ON THE CONSTRUCTION SITE AT ALL TIMES.</div><div>7. "LIMITS OF EXCAVATION" INDICATES THE MINIMUM MATERIAL REMOVAL REQUIRED DUE TO GEOTECHNICAL RECOMMENDATIONS AND THE NATURE OF THE WORK. TAKE CARE NOT TO EXCAVATE BEYOND THE LIMITS INDICATED IN THE CONTRACT DOCUMENTS.</div><div>GRADING</div><div>1. ADJUST VALVE BOXES, PULL BOXES, VAULTS, AND MAHOLES TO FINISHED GRADES AND SLOPES SHOWN ON CIVIL GRADING DRAWINGS UNLESS OTHERWISE SHOWN OR SPECIFIED. MANHOLES IN OPEN FIELDS SHALL BE SET ONE FOOT ABOVE GRADE. APPROXIMATE RIM ELEVATIONS ARE SHOWN ON DRAWINGS.</div><div>2. GRADES SHOWN ARE TO TOP OF THE FINISHED SURFACE UNLESS OTHERWISE NOTED.</div><div>DEMOLITION</div><div>1. DEMOLITION EXTENTS INDICATED IN DRAWINGS ARE THE MINIMUM REQUIRED TO COMPLETE THE WORK. EXTENTS OF DEMOLITION REFLECTED IN THE CONTRACTOR'S BID SHALL INCORPORATE DEMOLITION MEANS AND METHODS.</div><div>2. PROVIDE COORDINATES OF ABANDONED UTILITIES IN THE RECORD DRAWINGS.</div><div>PIPING</div><div>1. THESE NOTES ARE GENERIC IN NATURE. PROJECT SPECIFIC NOTES ON FOLLOWING DRAWINGS TAKE PRECEDENCE.</div><div>2. THE CONTRACTOR SHALL COMPLY WITH THE STATE DEPARTMENT OF HEALTH SERVICES CRITERIA FOR THE SEPARATION BETWEEN WATER MAINS, NON-POTABLE WATER UTILITIES, AND SEWER. SEE CITY OF CENTRALIA DEVELOPEMENT GUIDELINES AND PROJECT SPECIAL PROVISIONS FOR ADDITIONAL PIPING REQUIREMENTS.</div><div>3. INSTALL STORM AND SEWER PIPELINES WITH A MINIMUM OF 36 INCHES OF COVER, UNLESS OTHERWISE NOTED. WATER MAIN PIPELINES SHALL HAVE A MINIMUM OF 30-INCHES OF COVER AND A MAXIMUM OF 36-INCHES OF COVER.</div><div>4. PRIOR TO SUBMITTAL OF PIPE SHOP DRAWINGS, VERIFY THE INVERT ELEVATIONS, ALIGNMENT, OUTSIDE DIAMETER, LOCATION, AND MATERIAL OF ALL EXISTING PIPELINES TO WHICH NEW PIPELINES WILL BE CONNECTED.</div><div>5. PIPE STATIONING REPRESENTS THE HORIZONTAL PROJECTION OF THE PIPE CENTERLINE BETWEEN MANHOLES, POINTS OF INFLECTION, AND/OR CENTER OF FITTINGS.</div><div>6. LOCATION OF EXISTING UTILITIES ARE APPROXIMATE. CONTRACTOR SHALL EXPOSE EXISTING PIPE(S) OR STRUCTURE(S) TO WHICH NEW PIPE(S) IS/ARE CONNECTING. VERIFY EXACT LOCATION, SIZE, MATERIALS, AND INVERT ELEVATIONS PRIOR TO SUBMITTING PIPE DRAWINGS.</div><div>7. PROTECT EXISTING UTILITIES UNLESS OTHERWISE NOTED.</div><div>8. USE CAUTION WHEN WORKING IN PROXIMITY TO GAS. NOTIFY UTILITY COMPANY WHEN WORKING WITHIN THE VICINITY, AND FOLLOW UTILITY SAFETY GUIDELINES AND OSHA REQUIREMENTS. HAND DIG ALL CONSTRUCTION WITHIN 5 FEET HORIZONTALLY OF ANY GAS MAIN.</div><div>9. USE CAUTION WHEN WORKING IN PROXIMITY TO OVERHEAD ELECTRICAL LINES. FOLLOW ELECTRICAL UTILITY SAFETY GUIDELINES AND OSHA REQUIREMENTS.</div><div>10. CROSSING PIPELINES SHOWN IN PROFILE REPRESENT OUTSIDE DIAMETER UNLESS OTHERWISE NOTED.</div><div>11. ORIENT ECCENTRIC MANHOLE(S) SUCH THAT THE LID IS OUTSIDE OF WHEEL PATH.</div><div>12. COORDINATES LOCATING MANHOLES ARE TO THE CENTER OF THE STRUCTURE.</div><div>13. SIZE OF FITTING SHOWN ON THE DRAWINGS CORRESPONDS TO THE ADJACENT STRAIGHT RUN OF PIPE, UNLESS OTHERWISE NOTED. MATCH TYPE OF JOINT AND FITTING MATERIAL TO ADJACENT STRAIGHT RUN OF PIPE, UNLESS OTHERWISE NOTED.</div><div>14. COORDINATE AND PERFORM CONNECTIONS TO THE WORK OF OTHER CONTRACTORS, IF APPLICABLE.</div></div>			
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NO				CITY OF CENTRALIA CENTRALIA, WASHINGTON S. YEW STREET AND SOUTH STREET GRAVITY SEWER UPGRADE			
REVISION				Kennedy Jenks			
DATE				CIVIL ABBREVIATIONS AND NOTES			
BY				SCALE NTS			
				JOB NO 2397004.00			
				DATE MAY 2025			
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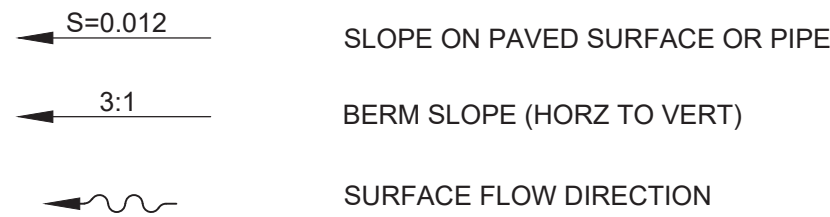
GEOTECHNICAL SYMBOLS



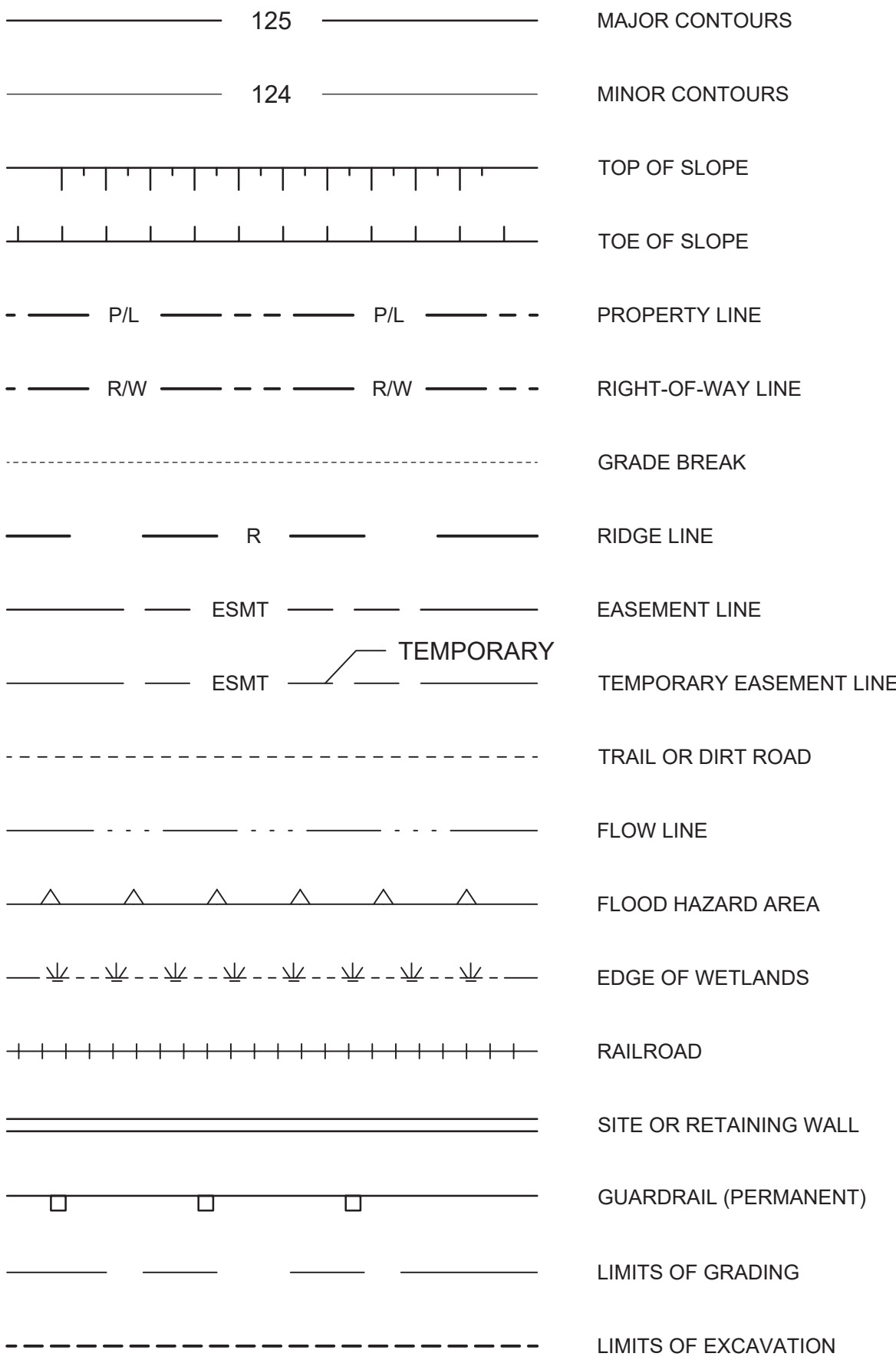
CORROSION CONTROL SYMBOLS



GENERAL CIVIL SYMBOLS



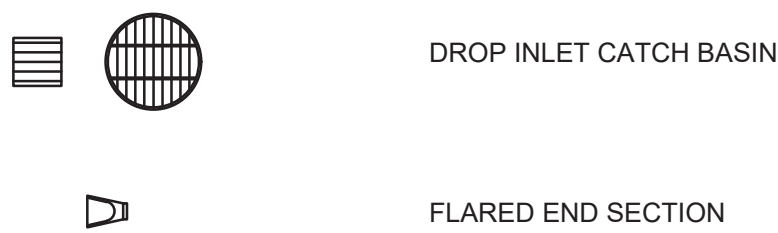
TOPOGRAPHY AND MAPPING SYMBOLS



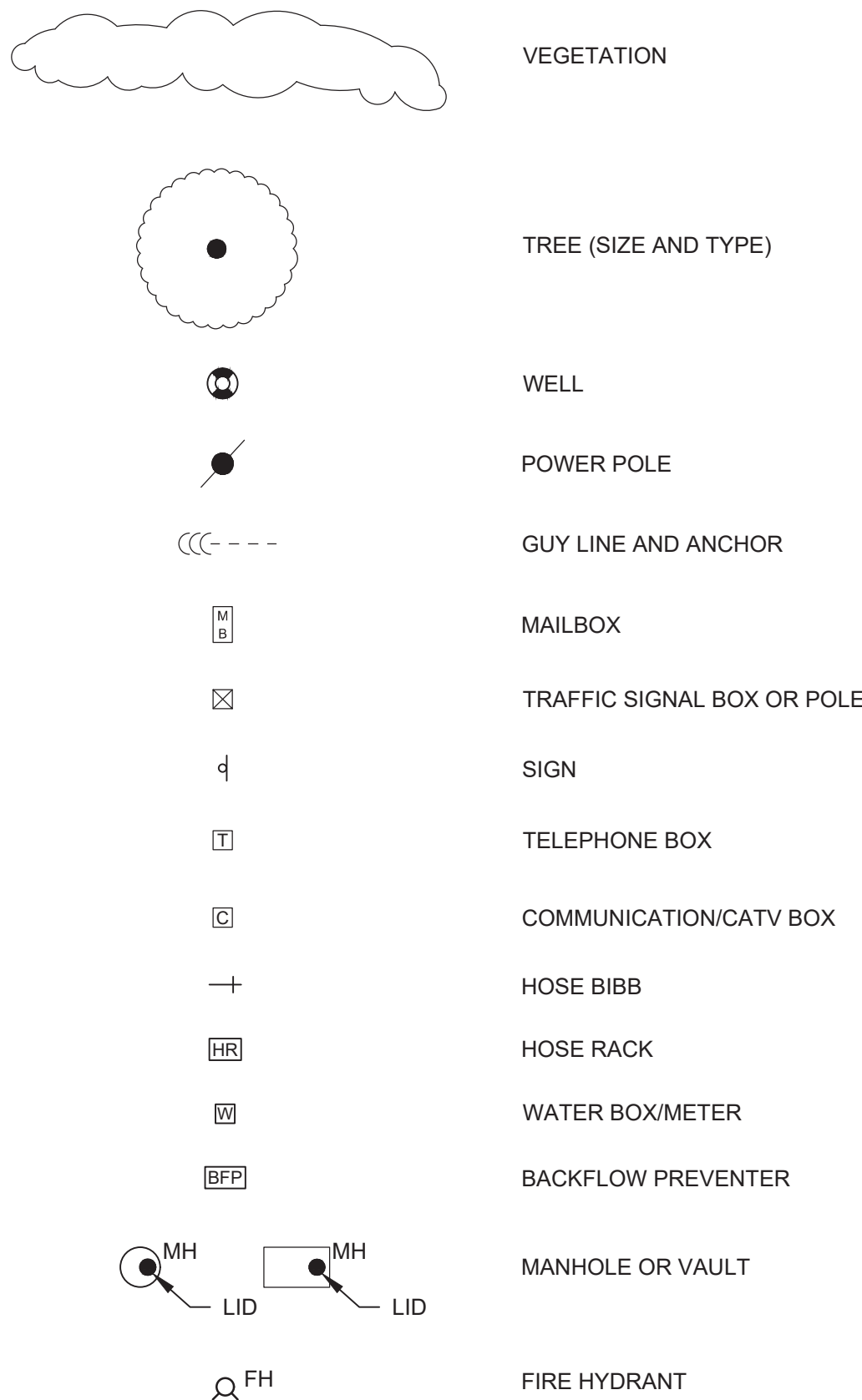
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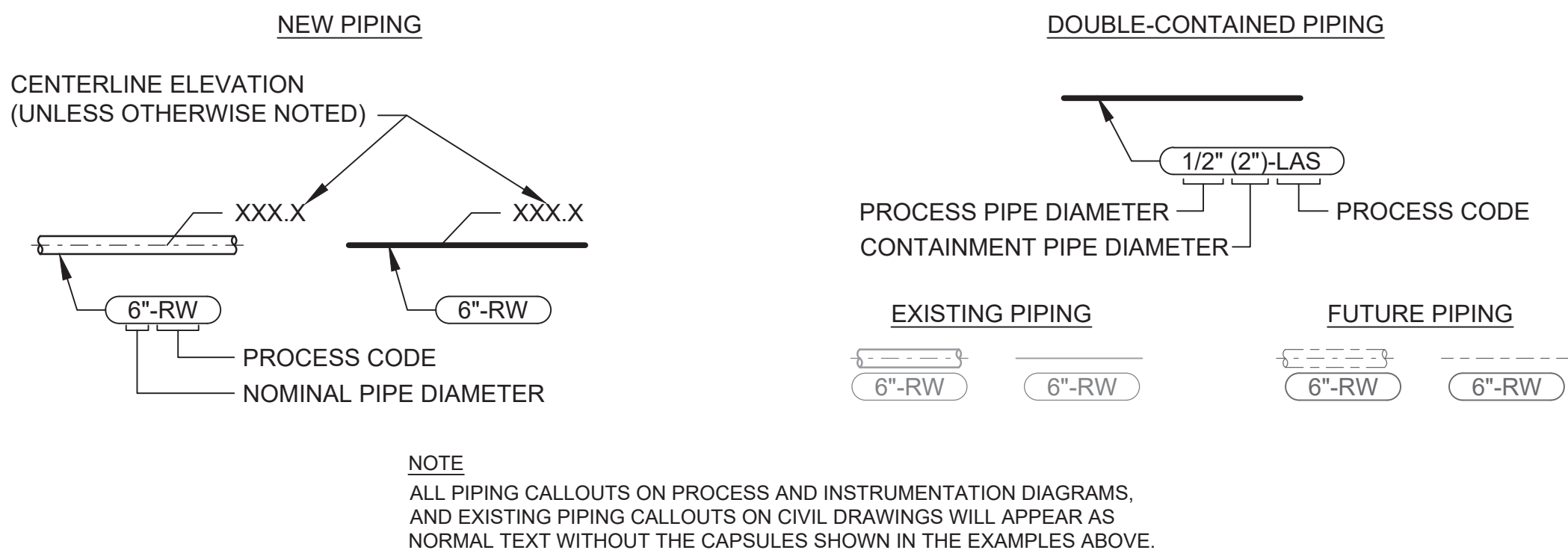
PROPOSED FEATURES



EXISTING FEATURES



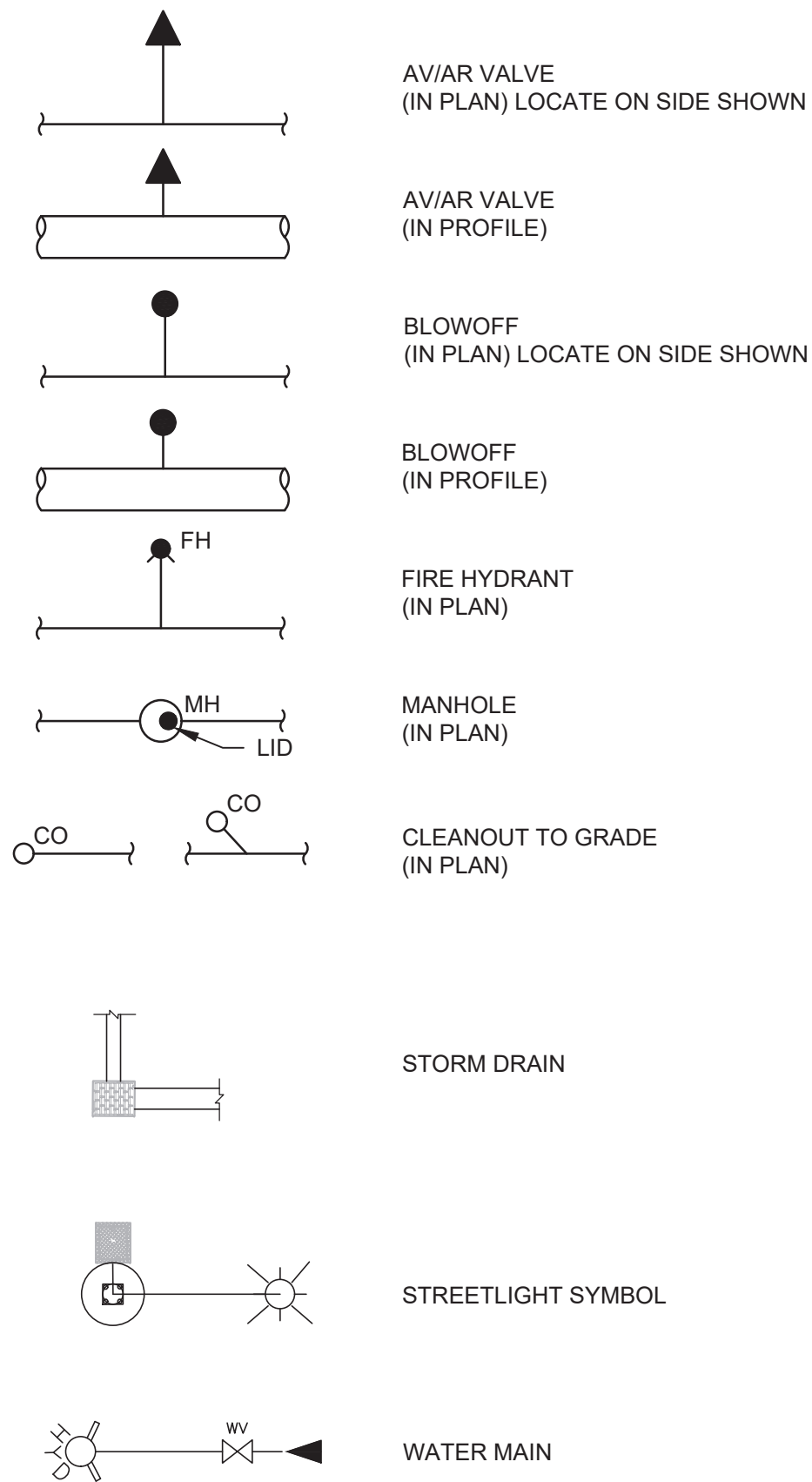
PIPING DESIGNATIONS



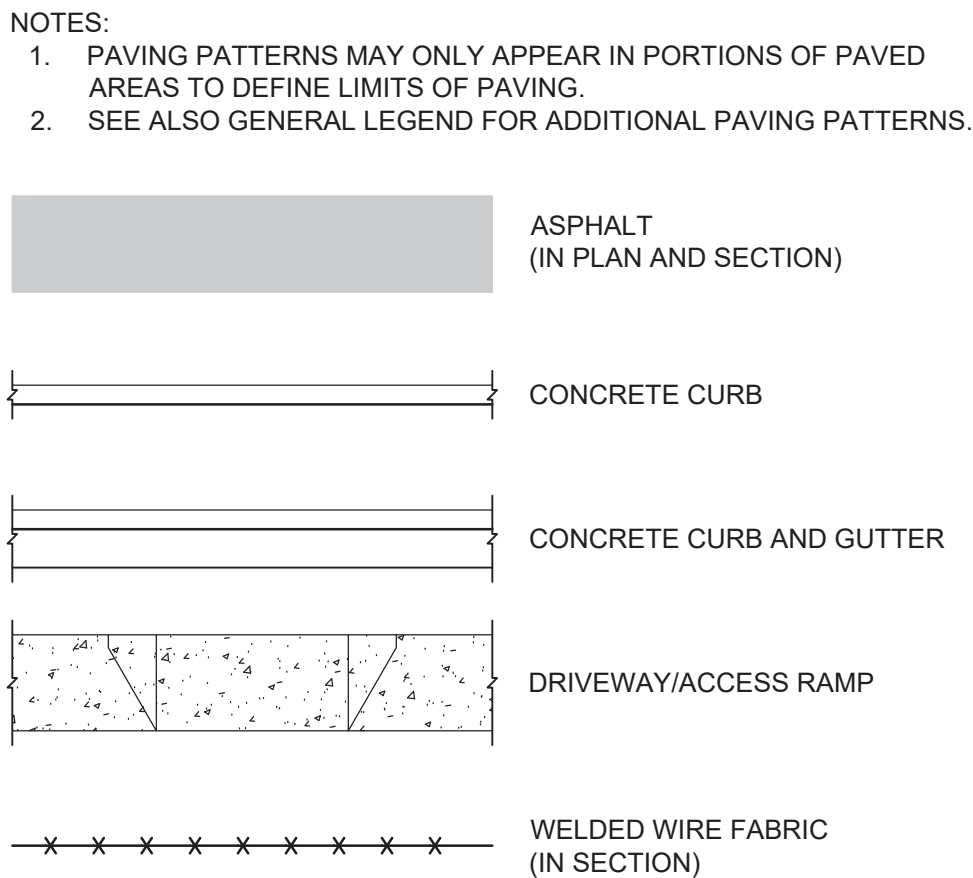
PIPE SCHEDULE

ID	DESCRIPTION	SIZE	SERVICE	MATERIAL	FLOW	FIELD JOINTS
SS	SANITARY SEWAGE	18"	BURIED	PVC	GRAVITY	BELL AND SPIGOT
SS	SANITARY SEWAGE	8"	BURIED	PVC	GRAVITY	BELL AND SPIGOT
PE	CORRUGATED POLYETHYLENE STORM SEWER PIPE	32"	BURIED	POLYETHYLENE	GRAVITY	BELL AND SPIGOT

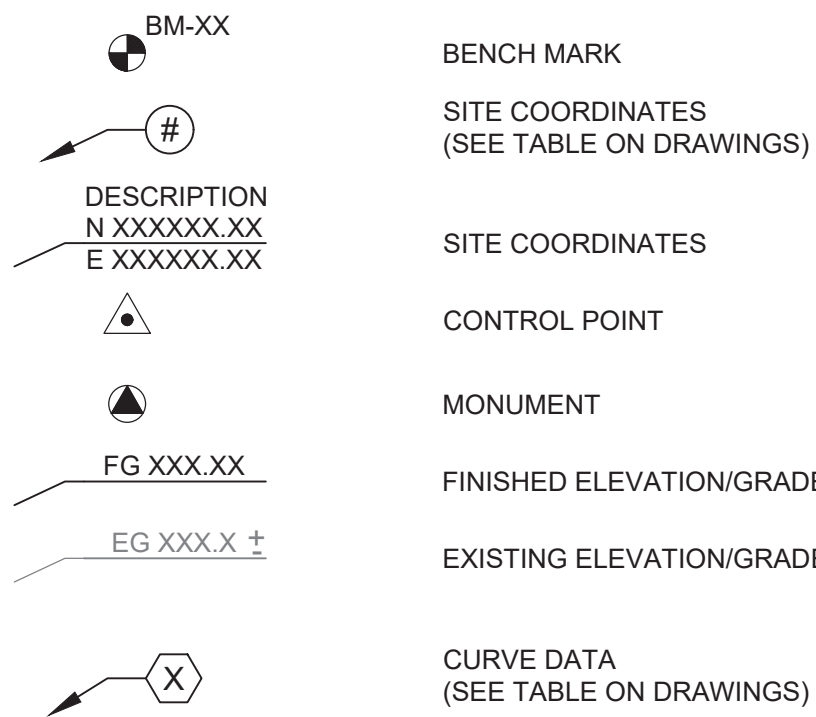
PIPING AND UTILITIES



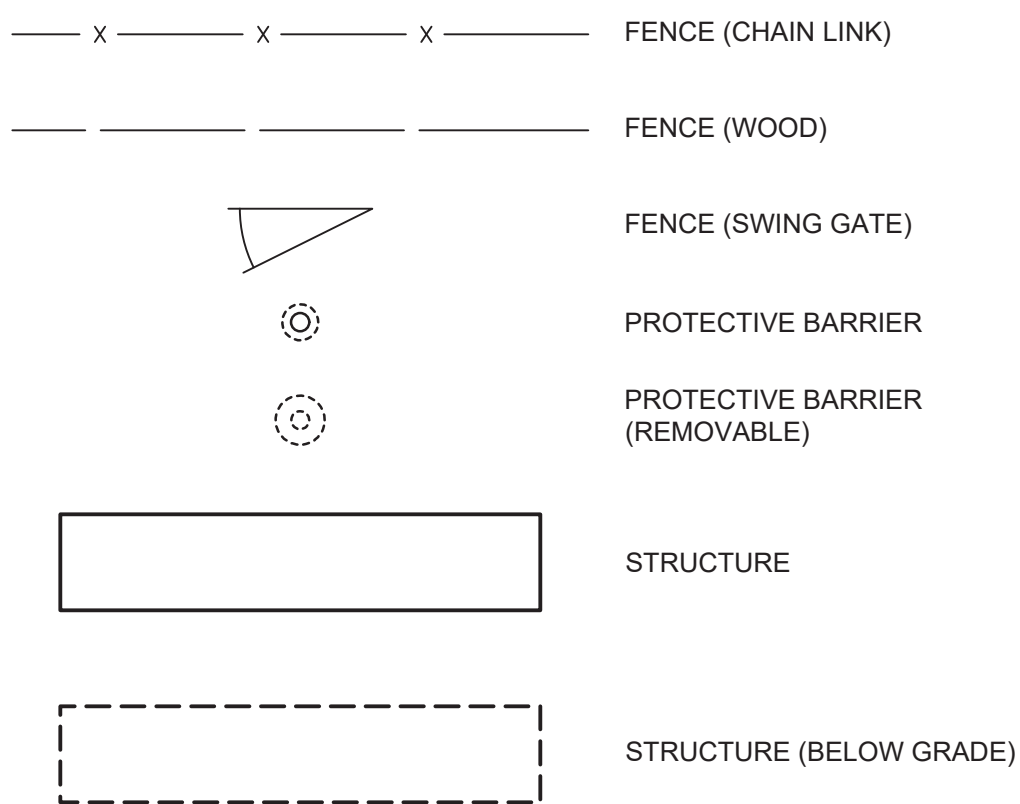
ROADWORK AND PAVING



CONTROL SYMBOLS



STRUCTURES

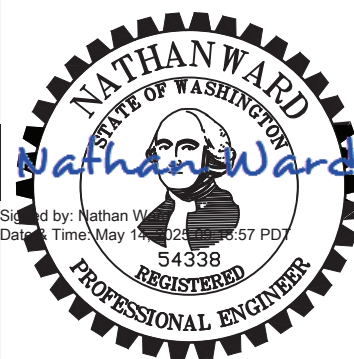


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0 25mm
IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.



DESIGNED
JM
DRAWN
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CITY OF CENTRALIA
CENTRALIA, WASHINGTON
S. YEW STREET AND SOUTH STREET
GRAVITY SEWER UPGRADE

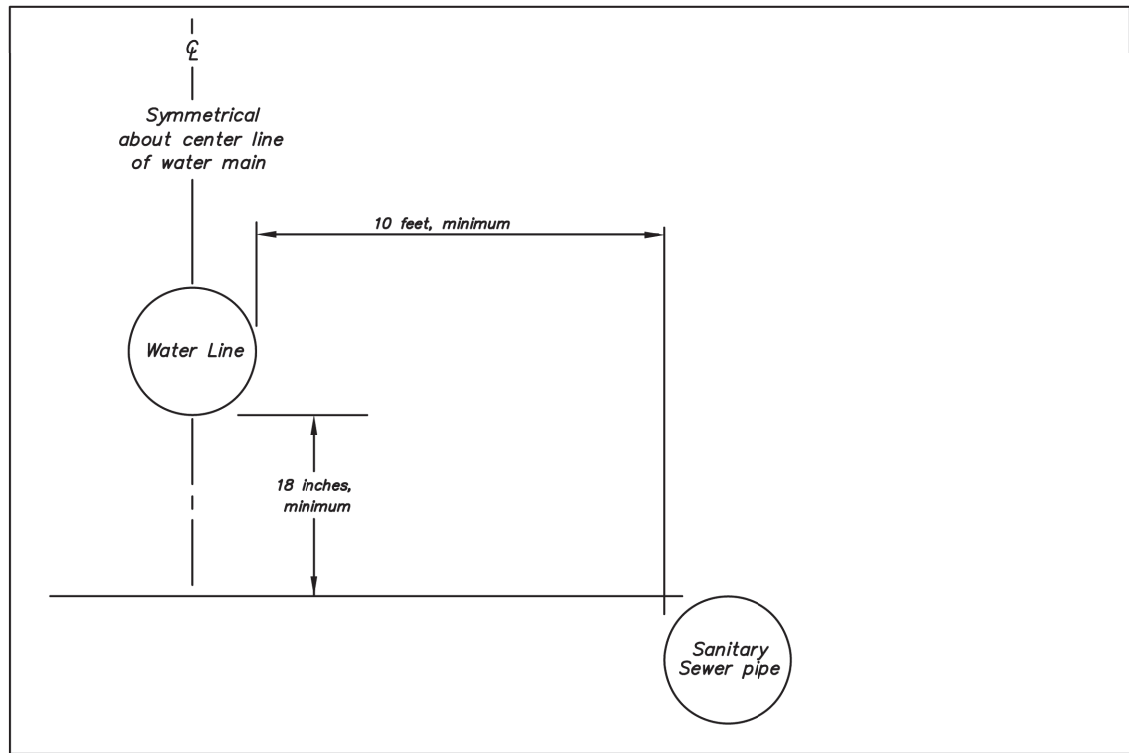
Kennedy Jenks

CIVIL LEGEND

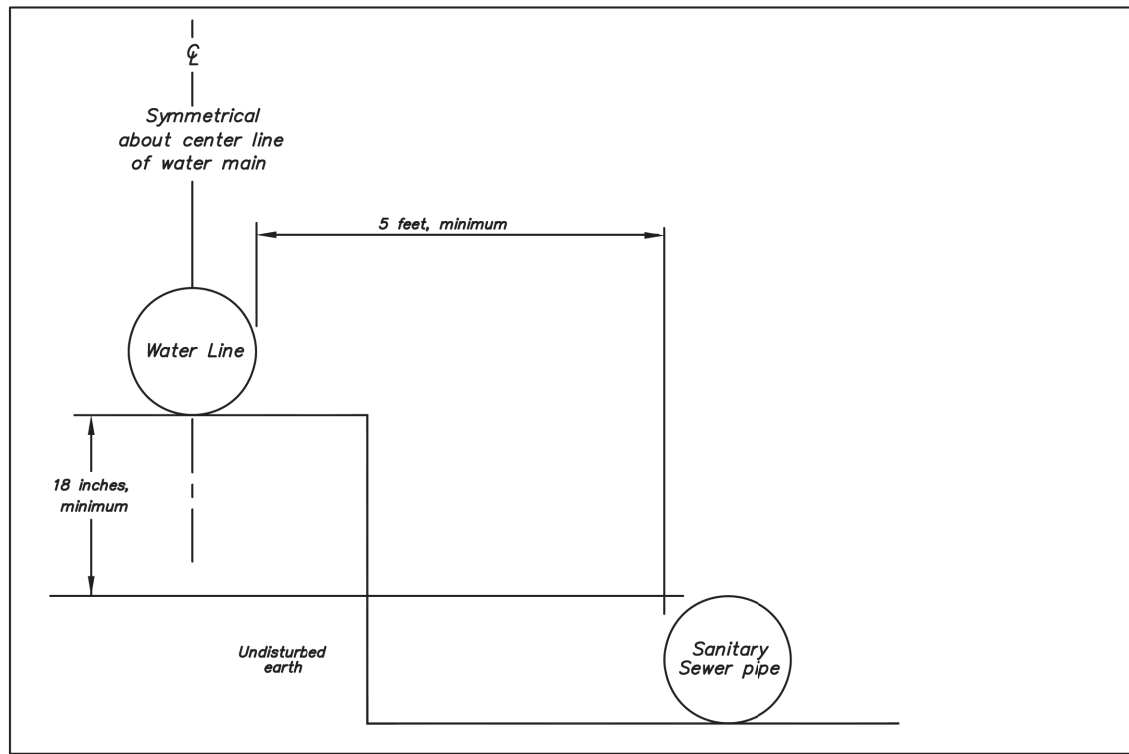
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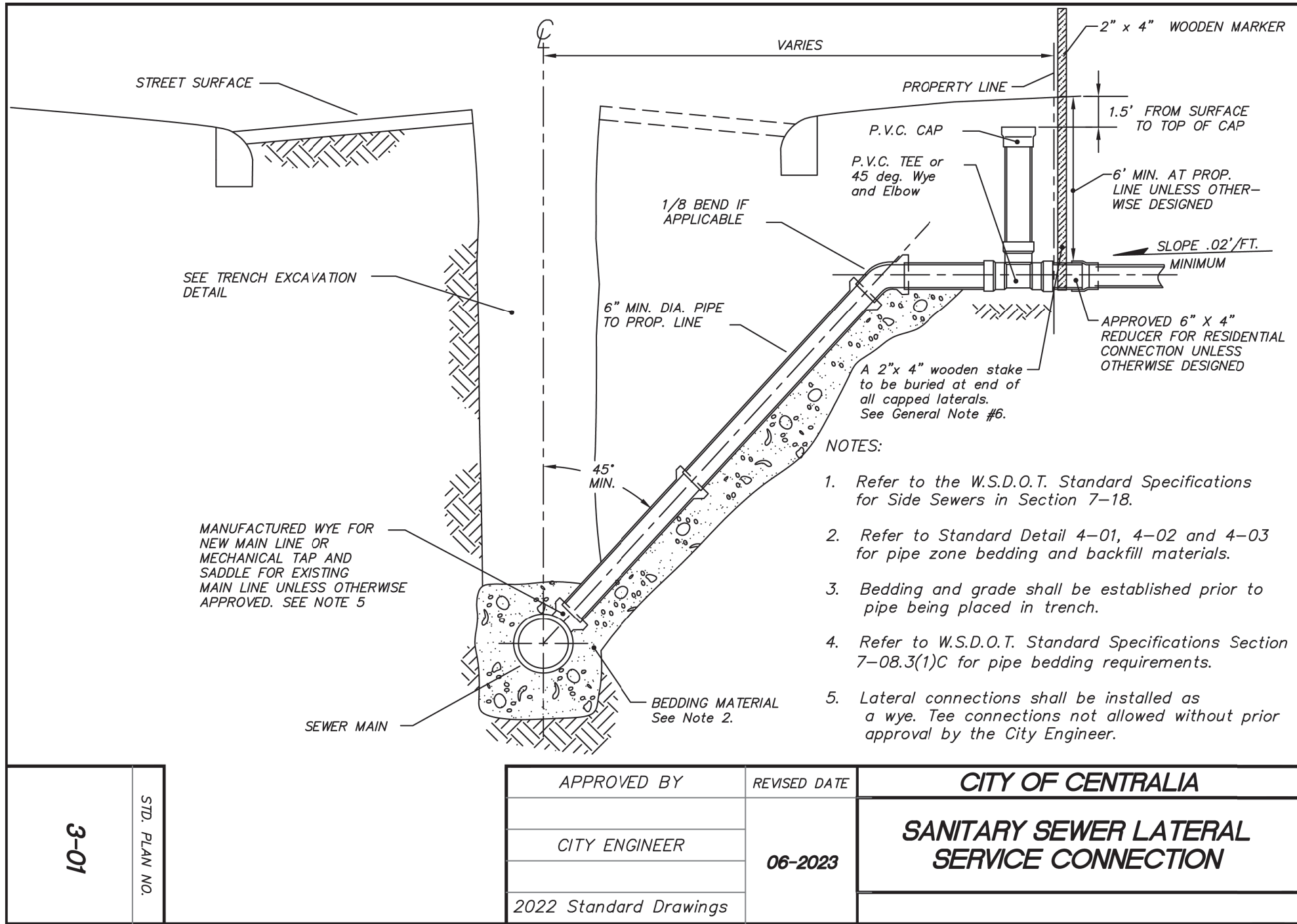
Required Separation Between Water Lines and Sanitary Sewers, Parallel Construction



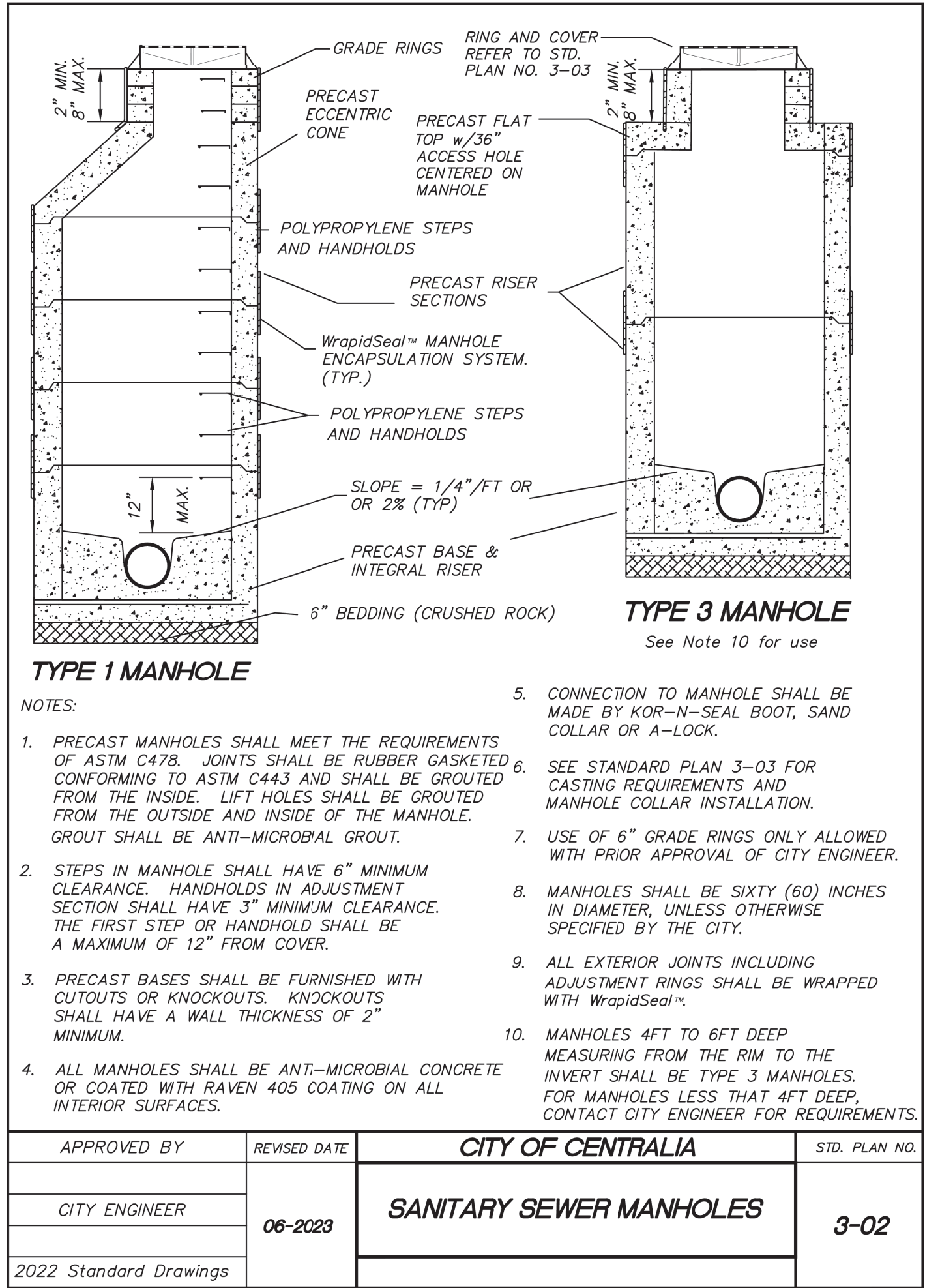
Required Separation Between Water Lines and Sanitary Sewers, Unusual Conditions Parallel Construction



APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	06/2017	WATER AND SEWER SEPARATION DETAIL	2-19
2022 Standard Drawings			



3-01	STD. PLAN NO.	APPROVED BY	REVISED DATE	CITY OF CENTRALIA
		CITY ENGINEER	06-2023	SANITARY SEWER LATERAL SERVICE CONNECTION
		2022 Standard Drawings		



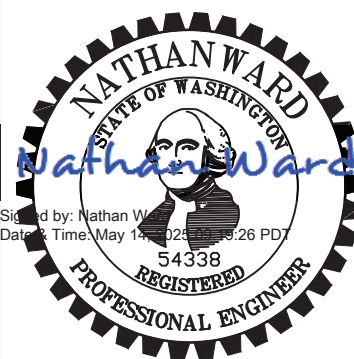
APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	06-2023	SANITARY SEWER MANHOLES	3-02
2022 Standard Drawings			

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NO	REVISION	DATE	BY
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SCALES
 0" = 1"
 0" = 25mm
 IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.



DESIGNED	JM
DRAWN	CEC
CHECKED	NTW

CITY OF CENTRALIA
 CENTRALIA, WASHINGTON
 S. YEW STREET AND SOUTH STREET
 GRAVITY SEWER UPGRADE



CIVIL DETAILS - I

SCALE	NTS
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DATE	MAY 2025
SHEET	6 OF 15
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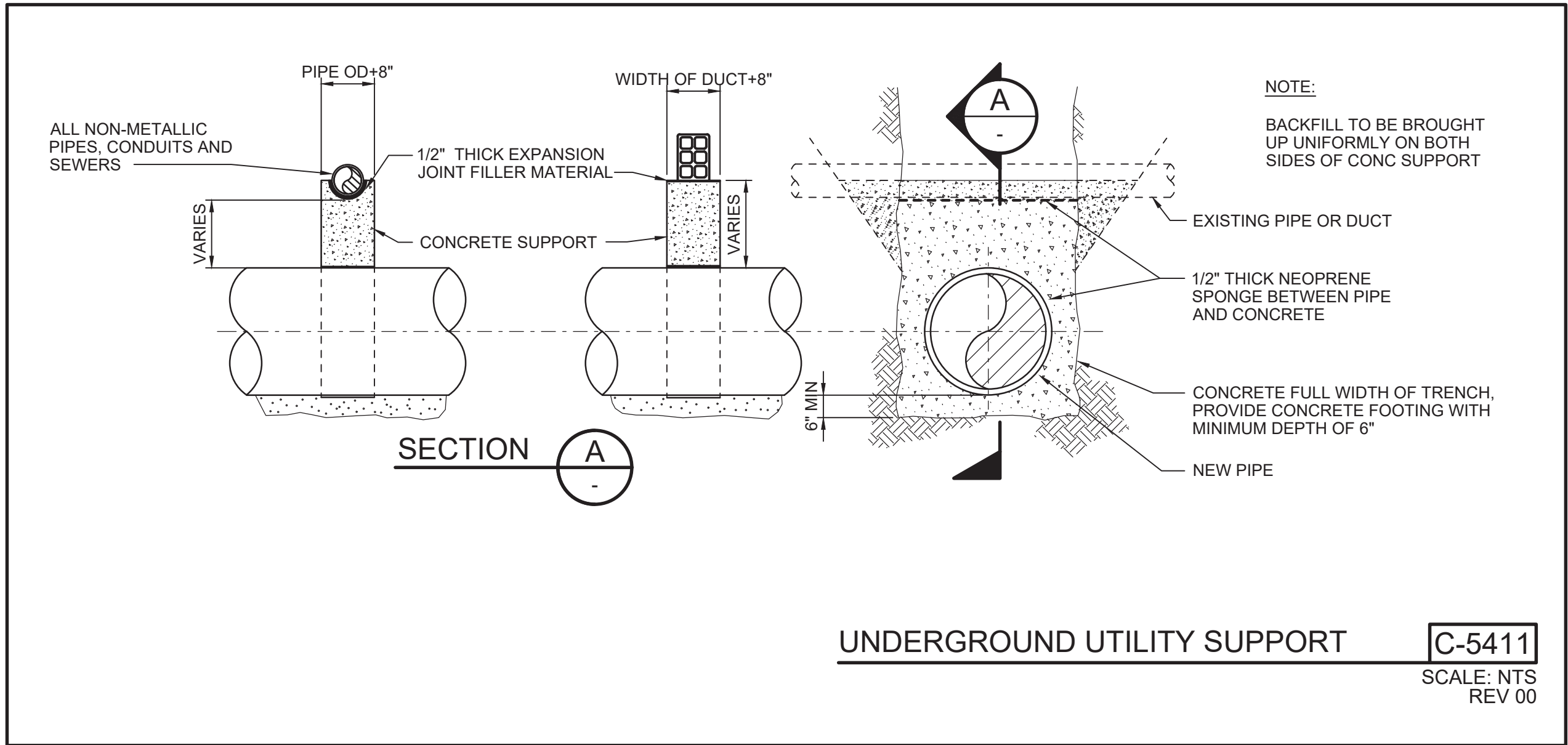
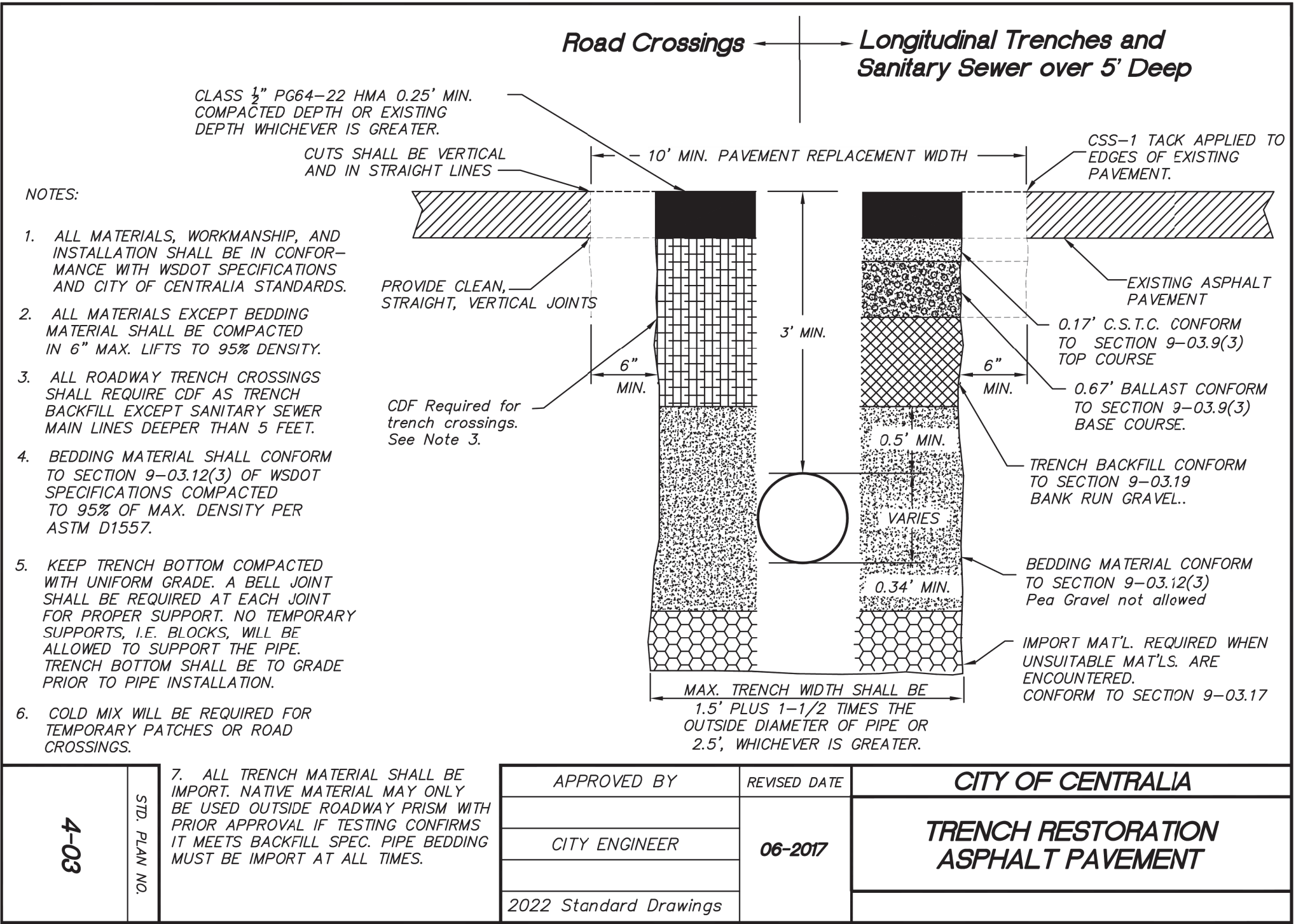
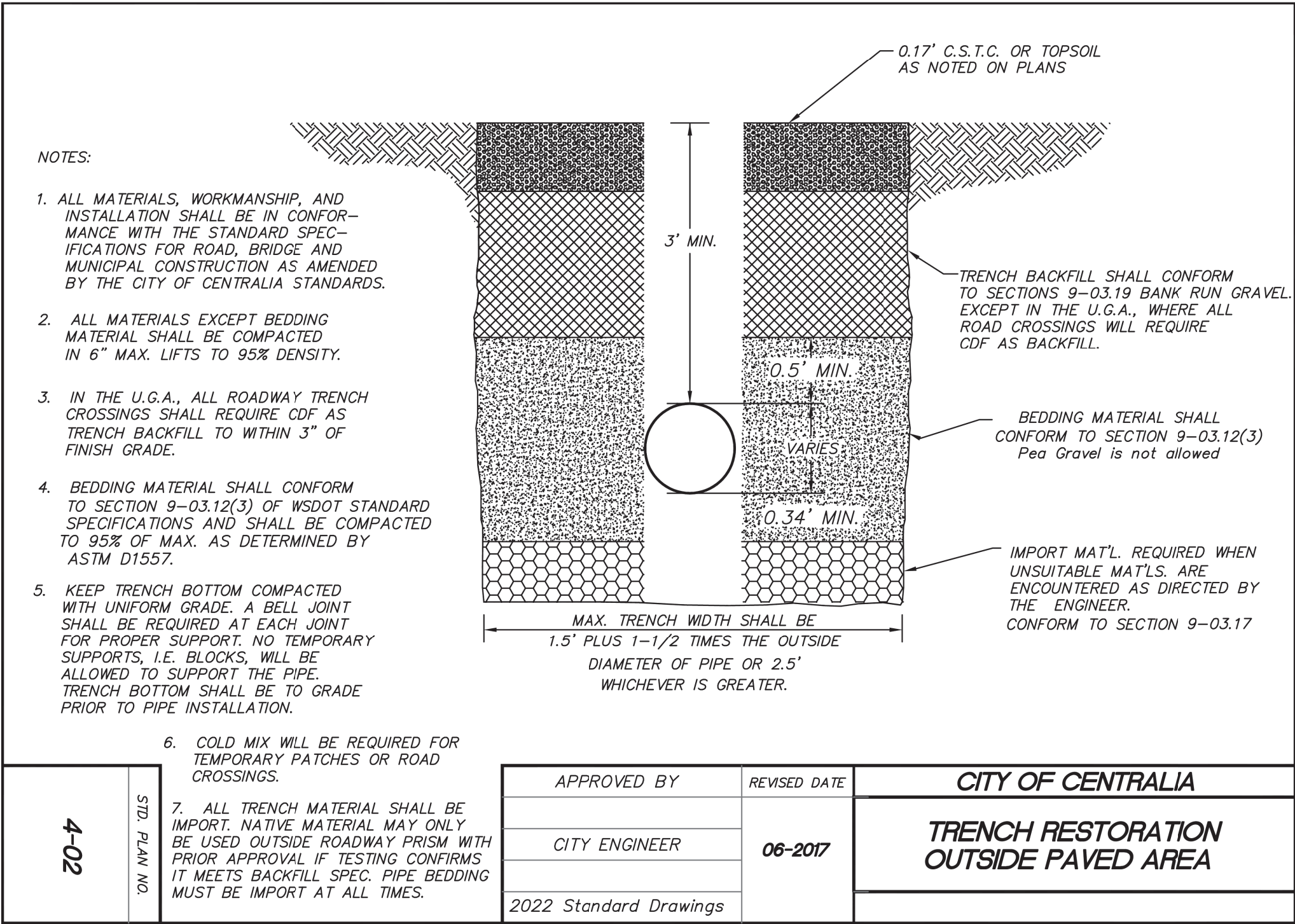
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SANITARY SEWER MAIN INSTALLATION GENERAL NOTES			
<div>1. A pre-construction conference must be held with the City prior to start of construction.</div> <div>2. Underground utilities shown are for the convenience of the contractor only. It is the contractors responsibility to use the "one-call" telephone (1-800-424-5555) 48 hours before construction is started.</div> <div>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.</div> <div>4. Erosion control measures shall be taken during construction to prevent siltation of existing and proposed facilities.</div> <div>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:<div><div>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.</div><div>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</div></div></div> <div>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).</div> <div>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.</div> <div>8. All laterals shall be connected to mains with a manufactured wye or wye saddled tap unless otherwise approved by the City Engineer. Lines 12-inch or larger and high flow lines may use tee connections with prior approval.</div> <div>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.</div> <div>10. All new manholes shall be sixty inches (60") in diameter, Type 1 manholes unless otherwise specified by the City.</div> <div>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.</div> <div>12. A vacuum test is required on all new manholes and altered manholes.</div> <div>13. Schedule all tests with the City and allow two (2) working days advance notice.</div> <div>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.</div> <div>15. As-built drawings shall be submitted to the City prior to final acceptance.</div> <div>16. All necessary easements must be recorded before final acceptance.</div> <div>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.</div> <div>18. A manhole and clean-out assembly detail shall be submitted prior to construction for the City's approval.</div> <div>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.</div>			
APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
CITY ENGINEER	06-2023	SEWER MAIN INSTALLATION GENERAL NOTES	1 OF 2
2022 Standard Drawings			

SIDE SEWER REGULATIONS (Ord. 2051) GENERAL NOTES			
<div>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.</div> <div>2. Inspection permit fees:<div><div>• *Single-family dwelling: \$ 50.00</div><div>• *Multiple-family dwelling: \$ 75.00</div><div>• *Commercial/Industrial: \$ 100.00</div><div>• Alteration, repair and abandonment of existing lateral \$ 50.00</div><div>• *I & I Rehabilitation: No charge—must be approved by Public Works \$ 100.00</div><div>• *After hours or holiday inspections: \$ 50.00</div><div>• *Re-inspection: \$ 50.00</div><div>• Grinder pump connection permit \$ 100.00</div><div>• Grinder pumps commercial or industrial connection \$ 150.00</div></div></div> <div>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.</div> <div>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.</div> <div>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.</div> <div>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. <u>Not</u> acceptable for side sewer: black ABS pipe, glued joint pipes, glued fittings.</div> <div>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.</div> <div>8. <u>No</u> 90 degree bends allowed.</div> <div>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.</div> <div>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.</div> <div>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.</div> <div>12. Minimum cover for side sewers shall be 18" on private property.</div> <div>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.)</div> <div>14. Contractor shall provide 24 hours notice when requesting inspection.</div> <div>Any questions regarding the above regulations may be directed to the Public Works Office (360) 330-7512</div>			
APPROVED BY	REVISED DATE	CITY OF CENTRALIA	
CITY ENGINEER	06-2023	SEWER MAIN INSTALLATION GENERAL NOTES	2 OF 2
2022 Standard Drawings			

<div><div><div><div><div>1' MIN.</div><div>SEAL WITH AR4000</div><div>MIN. 0.25' ACP PATCH</div><div>1' MIN.</div><div>EXISTING ROADWAY</div><div>APPLY TACK COAT</div><div>MIN. ONE ADJUSTMENT RING</div></div><div>MANHOLE IN ASPHALT</div></div></div><div><div><div>4.0' Type 1</div><div>5.0' Type 3</div><div>4.0' Type 1</div><div>5.0' Type 3</div><div>#4 REBAR O.C.</div></div><div>MANHOLE OUTSIDE ASPHALT</div></div></div> <div>NOTES:<div>1. ON MANHOLE OUTSIDE ASPHALT ADD REINFORCING STEEL AS SHOWN ABOVE. DEFORMED BAR TO MEET ASTM A615 GRADE 60 FY=60,000 P.S.I.</div><div>2. TYPE 1 MANHOLE COVER AND FRAME SHALL BE ERGO 24 4" or 7" TALL CAM LOCKING HINGED MANHOLE ASSEMBLY, SEWER P/N #00104043L02, #00104043L03</div><div>3. TYPE 3 MANHOLE COVER AND FRAME SHALL BE ERGO XL 6" TALL CAM LOCKING HINGED MANHOLE ASSEMBLY, SEWER P/N #41600527L02</div></div>			
APPROVED BY	REVISED DATE	CITY OF CENTRALIA	STD. PLAN NO.
CITY ENGINEER	06-2023	MANHOLE COLLAR	3-03
2022 Standard Drawings			

ISSUED FOR BID					<div>SCALES</div> <div><div>0</div><div>1"</div></div> <div><div>0</div><div>25mm</div></div> <div>IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.</div> <div><div><div>NATHAN WARD</div><div>STATE OF WASHINGTON</div><div><div>Sealed by Nathan Ward</div><div>54338</div><div>PROFESSIONAL ENGINEER</div></div></div></div>	DESIGNED	CITY OF CENTRALIA CENTRALIA, WASHINGTON		CIVIL DETAILS - II	SCALE	NTS
						JOB NO				2397004.00	
	ANY PRINTS NOT BEARING THIS STAMP MAY HAVE BEEN PRINTED PRIOR TO ADVERTISING AND CANNOT BE CONSIDERED AS BID DOCUMENTS. USERS OF THIS DOCUMENT IN EDITABLE ELECTRONIC FORMATS ARE CAUTIONED AGAINST USE WITHOUT FIRST DETERMINING WHETHER CHANGES MAY HAVE BEEN MADE SUBSEQUENT TO ITS PREPARATION.						DATE	MAY 2025			
							SHEET	7 OF 15			
								C-004			
	NO	REVISION	DATE	BY		NTW	S. YEW STREET AND SOUTH STREET GRAVITY SEWER UPGRADE		<div>KJ</div> Kennedy Jenks		



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SCALES

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IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.



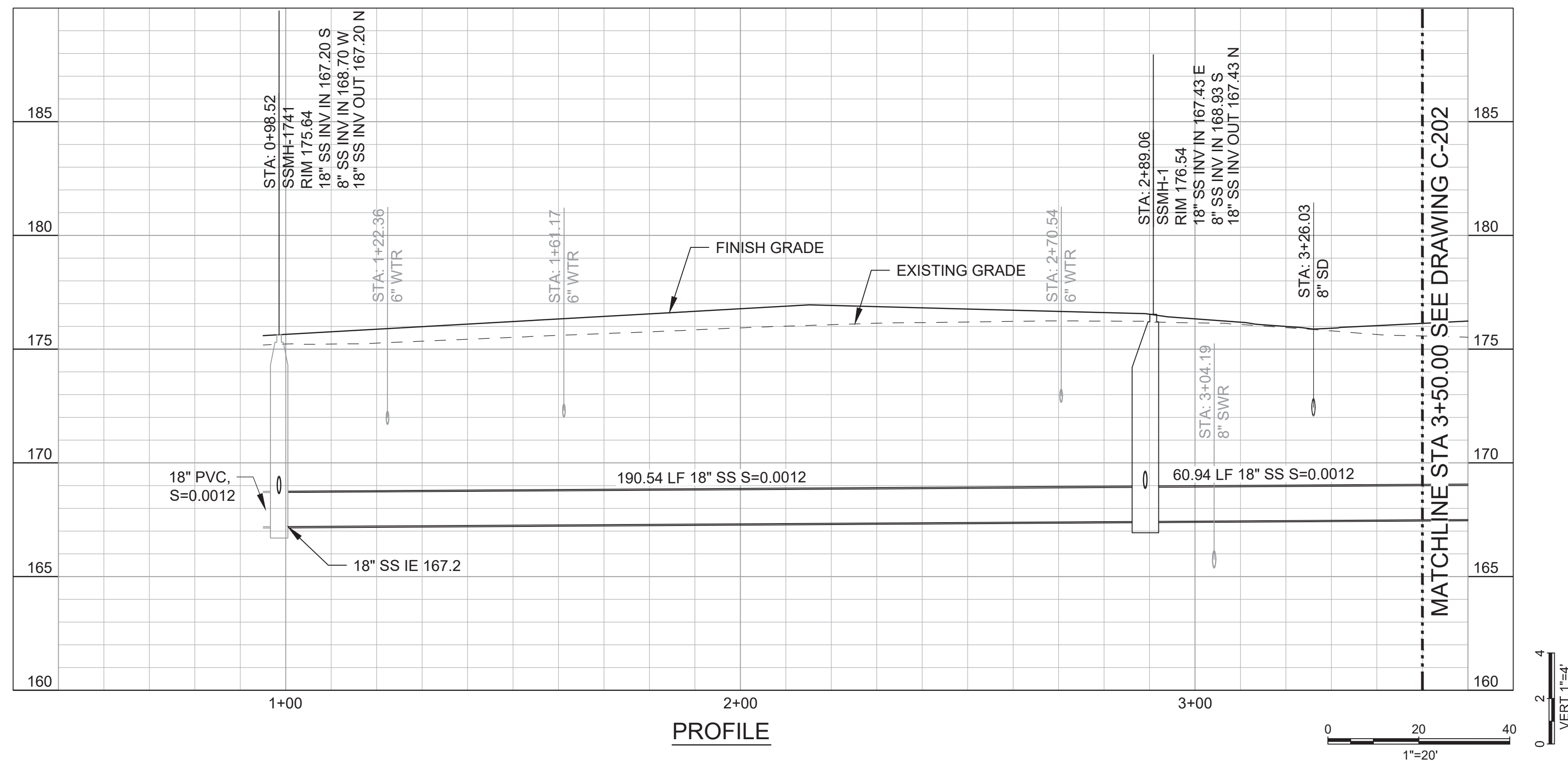
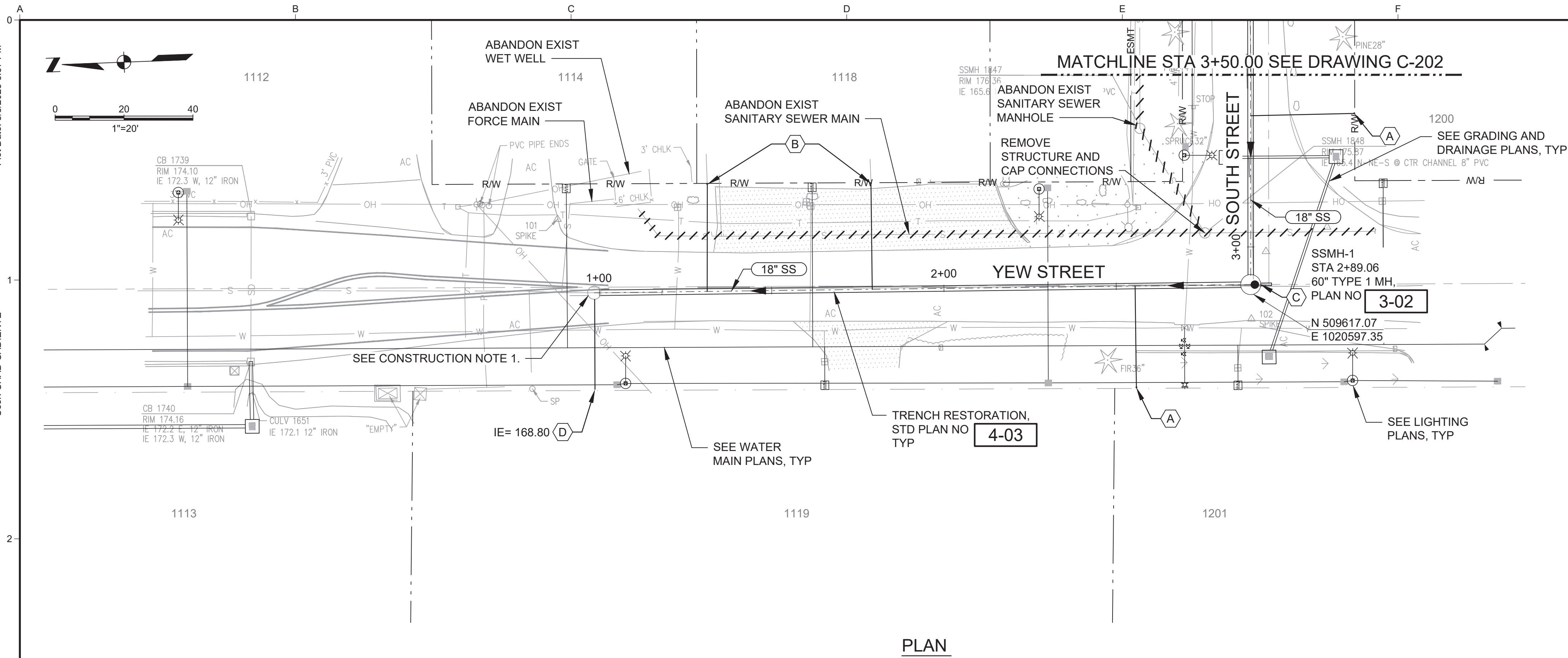
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CITY OF CENTRALIA
CENTRALIA, WASHINGTON
S. YEW STREET AND SOUTH STREET
GRAVITY SEWER UPGRADE




CIVIL DETAILS - III

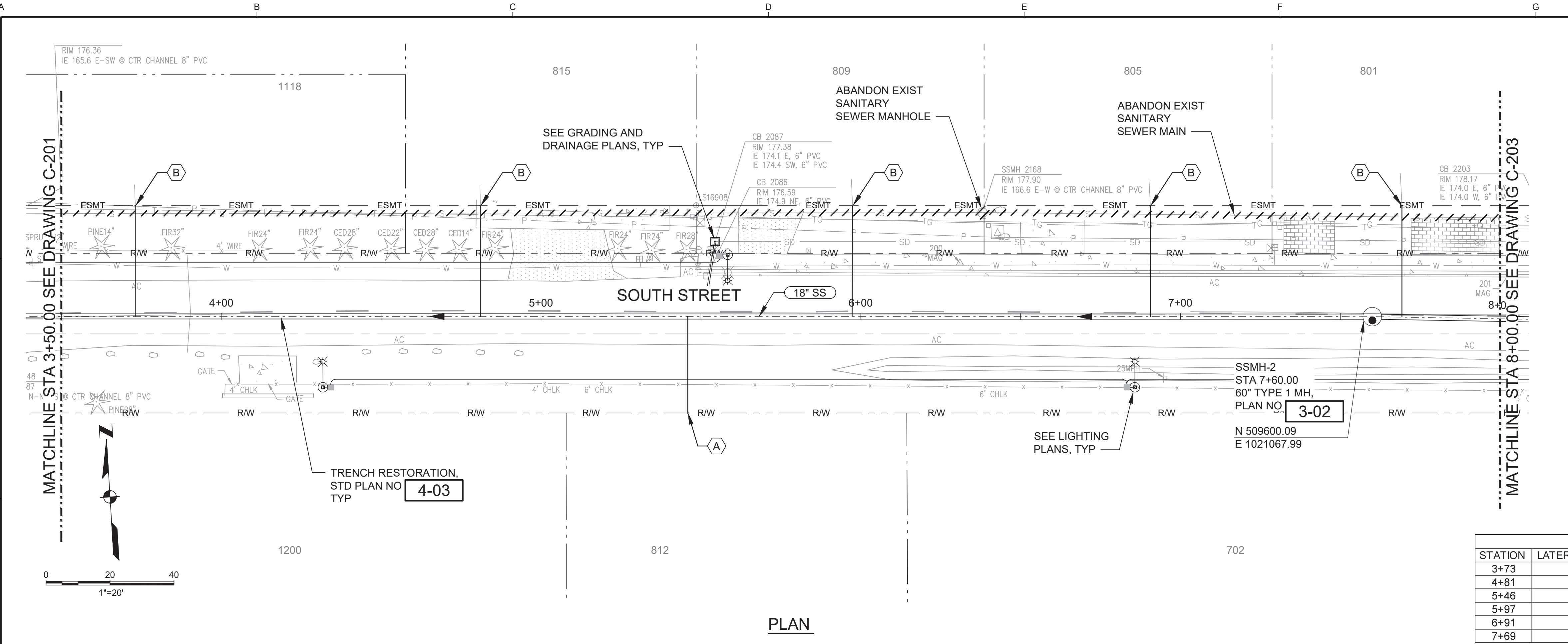
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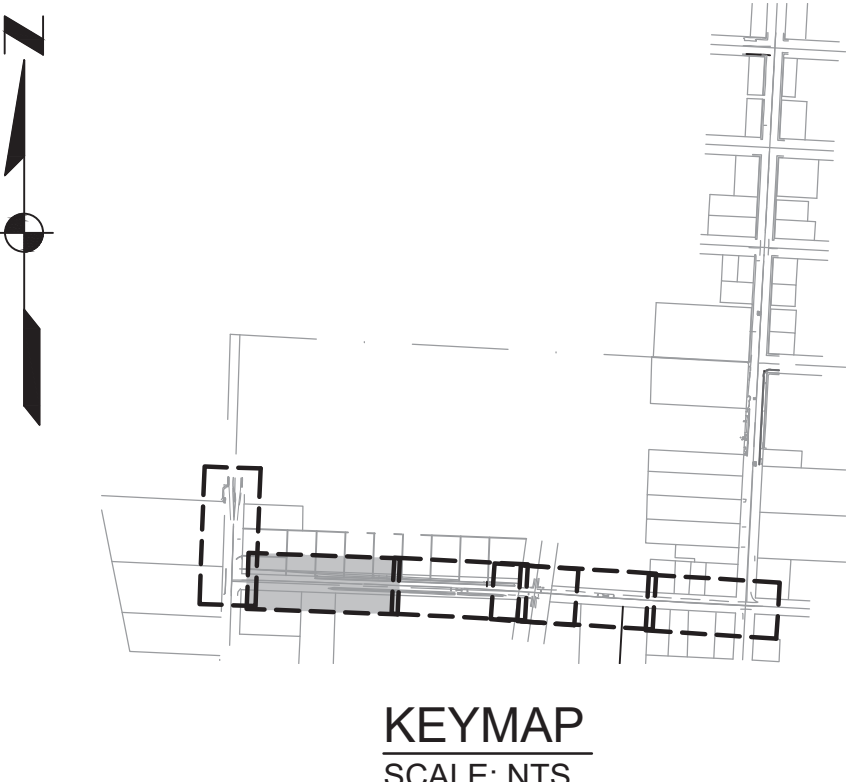
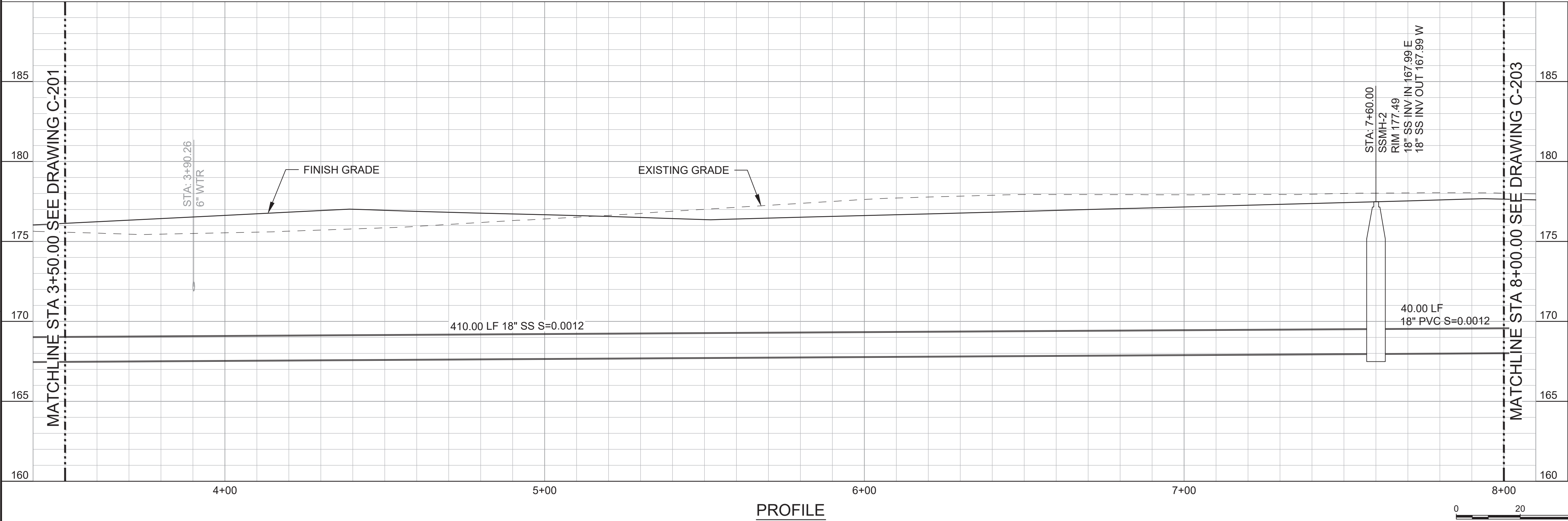
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1+79	31	L	RECONNECT	MATCH EXIST DEPTH
2+55	30	R	NEW	6FT MIN
3+38	30	R	NEW	6FT MIN

ISSUED FOR BID								<div>SCALES</div> <div><div><div></div><div>0</div></div><div><div></div><div>1"</div></div></div> <div><div><div></div><div>0</div></div><div><div></div><div>25mm</div></div></div> <div>IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.</div>		<div><div><div><div>NATHAN WARD</div><div>STATE OF WASHINGTON</div><div></div><div>Nathan Ward</div><div>PROFESSIONAL ENGINEER</div></div></div></div>	DESIGNED JM	CITY OF CENTRALIA CENTRALIA, WASHINGTON S. YEW STREET AND SOUTH STREET GRAVITY SEWER UPGRADE				PLAN AND PROFILE - GRAVITY LINE STA 1+00 TO STA 3+50				SCALE 1" = 20'	
ANY PRINTS NOT BEARING THIS STAMP MAY HAVE BEEN PRINTED PRIOR TO ADVERTISING AND CANNOT BE CONSIDERED AS BID DOCUMENTS. USERS OF THIS DOCUMENT IN EDITABLE ELECTRONIC FORMATS ARE CAUTIONED AGAINST USE WITHOUT FIRST DETERMINING WHETHER CHANGES MAY HAVE BEEN MADE SUBSEQUENT TO ITS PREPARATION.										DRAWN CEC	Kennedy Jenks				JOB NO 2397004.00				DATE MAY 2025		
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LATERAL STATIONS				
STATION	LATERAL LENGTH (FT)	LEFT/RIGHT OF MAIN	CONNECTION TYPE	DEPTH AT R/W
3+73	35	L	RECONNECT	MATCH EXIST DEPTH
4+81	35	L	RECONNECT	MATCH EXIST DEPTH
5+46	30	R	NEW	6FT MIN
5+97	35	L	RECONNECT	MATCH EXIST DEPTH
6+91	35	L	RECONNECT	MATCH EXIST DEPTH
7+69	35	L	RECONNECT	MATCH EXIST DEPTH

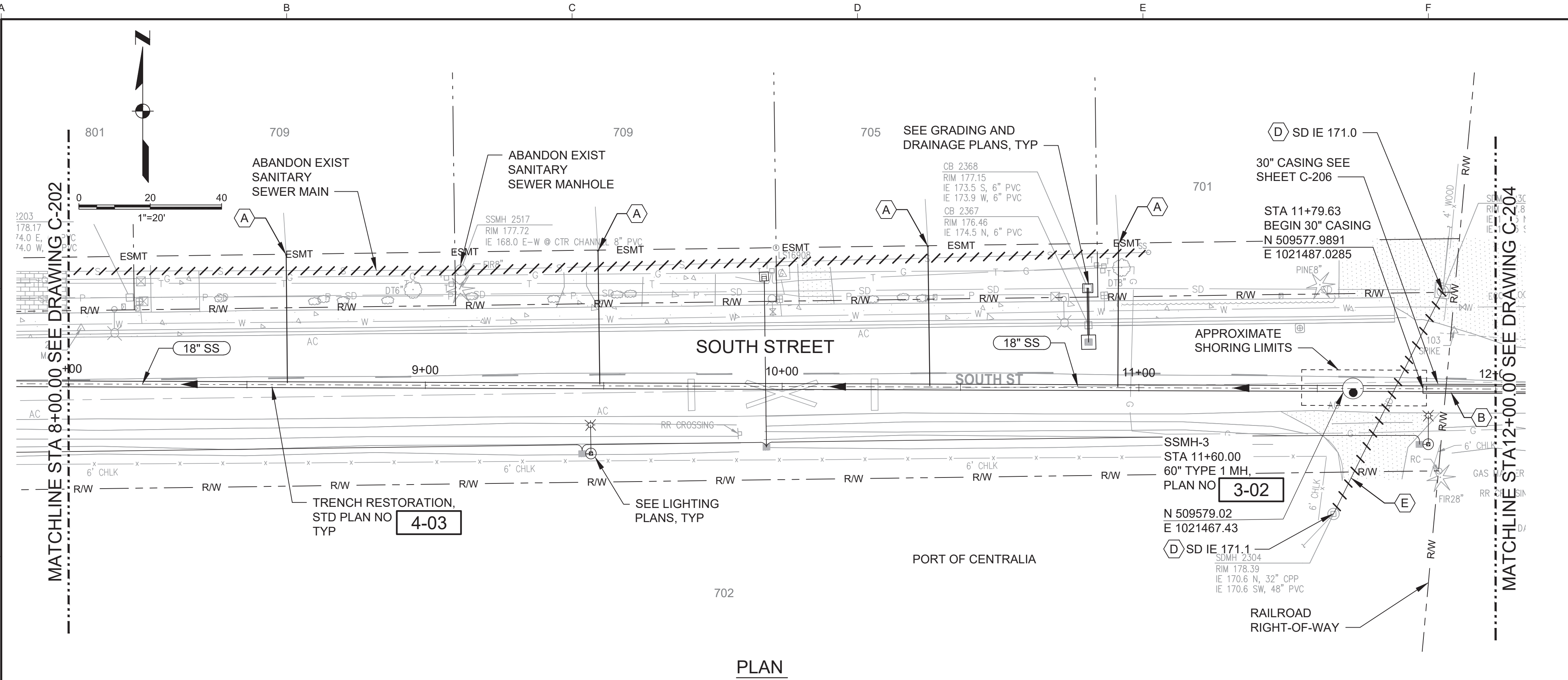


- ### GENERAL SHEET NOTES
- EXISTING UTILITY LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND SHALL BE CONFIRMED PRIOR TO CONSTRUCTION.
 - CONTRACTOR SHALL COORDINATE STAGING AREAS WITH CITY AND PROPERTY OWNERS.
 - TRENCH RESTORATION PER CITY STANDARD DETAIL 4-02. REFER TO PAVING PLANS FOR ROADWAY RESTORATION.
 - COORDINATE WITH PROPERTY OWNER AND THE CITY OF CENTRALIA TO VERIFY LOCATION OF ALL NEW LATERAL INSTALLATIONS PRIOR TO CONSTRUCTION. LATERAL SIZE AND DEPTH UNKNOWN.
 - ABANDON EXISTING SEWER MAIN AFTER ALL SERVICES ARE CONNECTED TO NEW MAIN.
 - SEE GRADING AND DRAINAGE PLANS FOR FINISH GRADE.

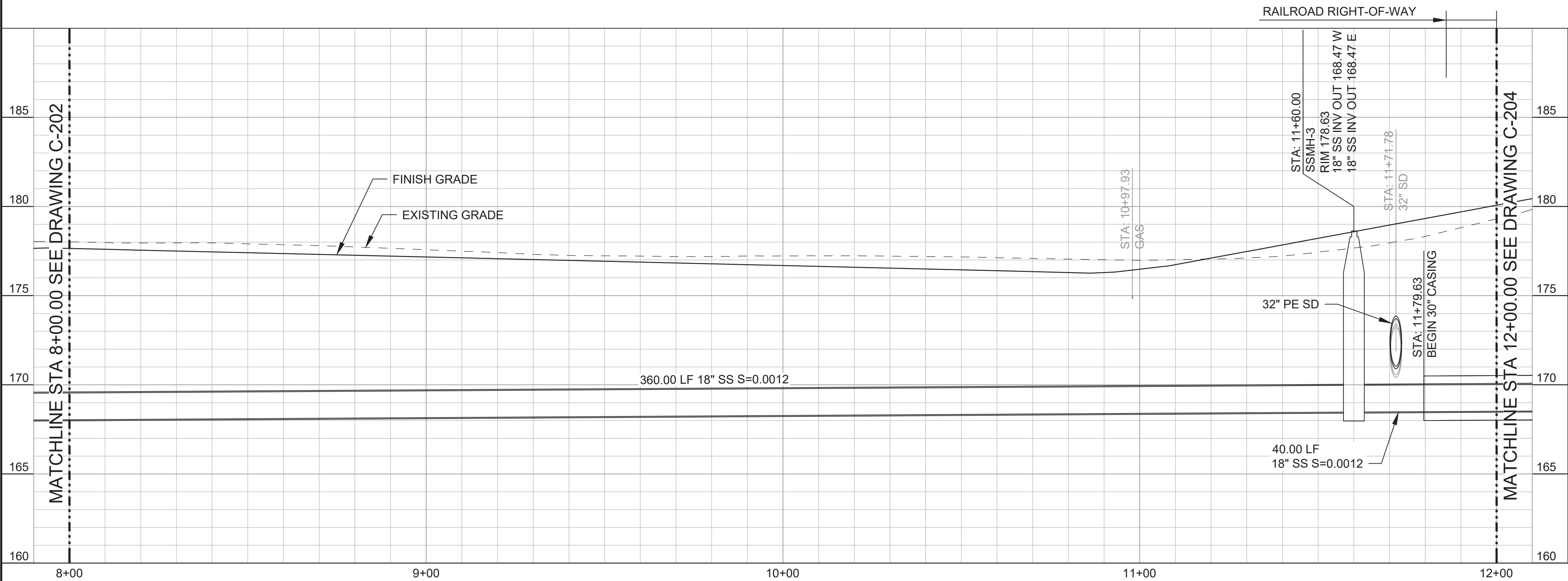
- ### SHEET KEYNOTES
- A. NEW SANITARY SEWER LATERAL AND CLEANOUT AT PROPERTY LINE, STD PLAN NO **3-01** TYP.
- B. RECONNECT EXISTING SANITARY SEWER LATERAL STD PLAN NO **3-01** TYP.

ISSUED FOR BID					SCALES 0 1" 0 25mm IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.		DESIGNED JM	CITY OF CENTRALIA CENTRALIA, WASHINGTON S. YEW STREET AND SOUTH STREET GRAVITY SEWER UPGRADE 	PLAN AND PROFILE - GRAVITY LINE STA 3+50 TO STA 8+00	SCALE 1" = 20'
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PLAN



PROFILE

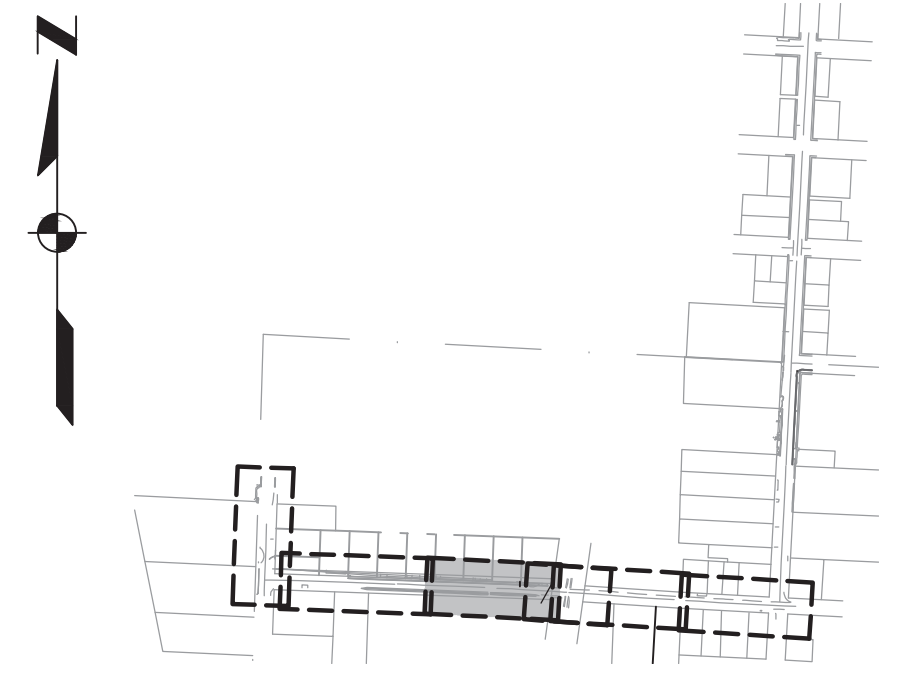
GENERAL SHEET NOTES

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- CONTRACTOR SHALL COORDINATE STAGING AREAS WITH CITY AND PROPERTY OWNERS.
- RESTORE PAVING, BASE MATERIAL, AND PAVEMENT MARKINGS TO ORIGINAL CONDITION AFTER CONSTRUCTION OF PIPELINES AND SITE IMPROVEMENTS ARE COMPLETE.
- IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO TEMPORARILY RELOCATE AND/OR PROVIDE ADEQUATE PROTECTION TO SITE FEATURES WHICH MAY BE AFFECTED BY THE CONSTRUCTION.
- COORDINATE WITH PROPERTY OWNER AND THE CITY OF CENTRALIA TO VERIFY LOCATION OF ALL NEW LATERAL INSTALLATIONS PRIOR TO CONSTRUCTION.
- FOR UTILITY CROSSINGS WITH LESS THAN 12-INCHES CLEARANCE FROM SEWER PIPE, INSTALL UNDERGROUND UTILITY SUPPORT PER DETAIL **C-5411**
- SEE GRADING AND DRAINAGE PLANS FOR FINISH GRADE.

SHEET KEYNOTES

- A. RECONNECT EXISTING SANITARY SEWER LATERAL STD PLAN NO **3-01** TYP.
- B. PROVIDE BELL PROTECTION SYSTEM ON CARRIER PIPE FOR JOINTS WITHIN CASING. EBAA IRON, MEGA-STOP SERIES 5000, OR EQUAL.
- C. CONTRACTOR SHALL VERIFY PIPE SIZE. REMOVE 32" PE STORM DRAIN BETWEEN EXISTING MANHOLES. AFTER INSTALLATION OF GRAVITY SEWER, REPLACE STORM DRAIN WITH 32" CORRUGATED WATERTIGHT PE, N12 BY ADVANCED DRAINAGE SYSTEMS OR APPROVED EQUAL.
- D. CONNECT 32" PE STORM DRAIN MANHOLE. CHIP OUT SPACE FOR PIPE AT INVERT ELEVATION PER PLAN AND GROUT CONNECTION. STRUCTURE HYDROSTATIC TESTING PER WSDOT 7-04.1(1).
- E. TRENCH RESTORATION, STD PLAN NO **4-03** INSIDE PAVED AREA AND PLAN NO **4-02** OUTSIDE PAVED AREA. SEE SURFACING PLAN.

LATERAL STATIONS				
STATION	LATERAL LENGTH (FT)	LEFT/RIGHT OF MAIN	CONNECTION TYPE	DEPTH AT R/W
8+61	36	L	RECONNECT	MATCH EXIST DEPTH
9+49	37	L	RECONNECT	MATCH EXIST DEPTH
10+41	39	L	RECONNECT	MATCH EXIST DEPTH
10+94	40	L	RECONNECT	MATCH EXIST DEPTH



KEYMAP
SCALE: NTS

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SCALES
0 1" = 20'
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IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.



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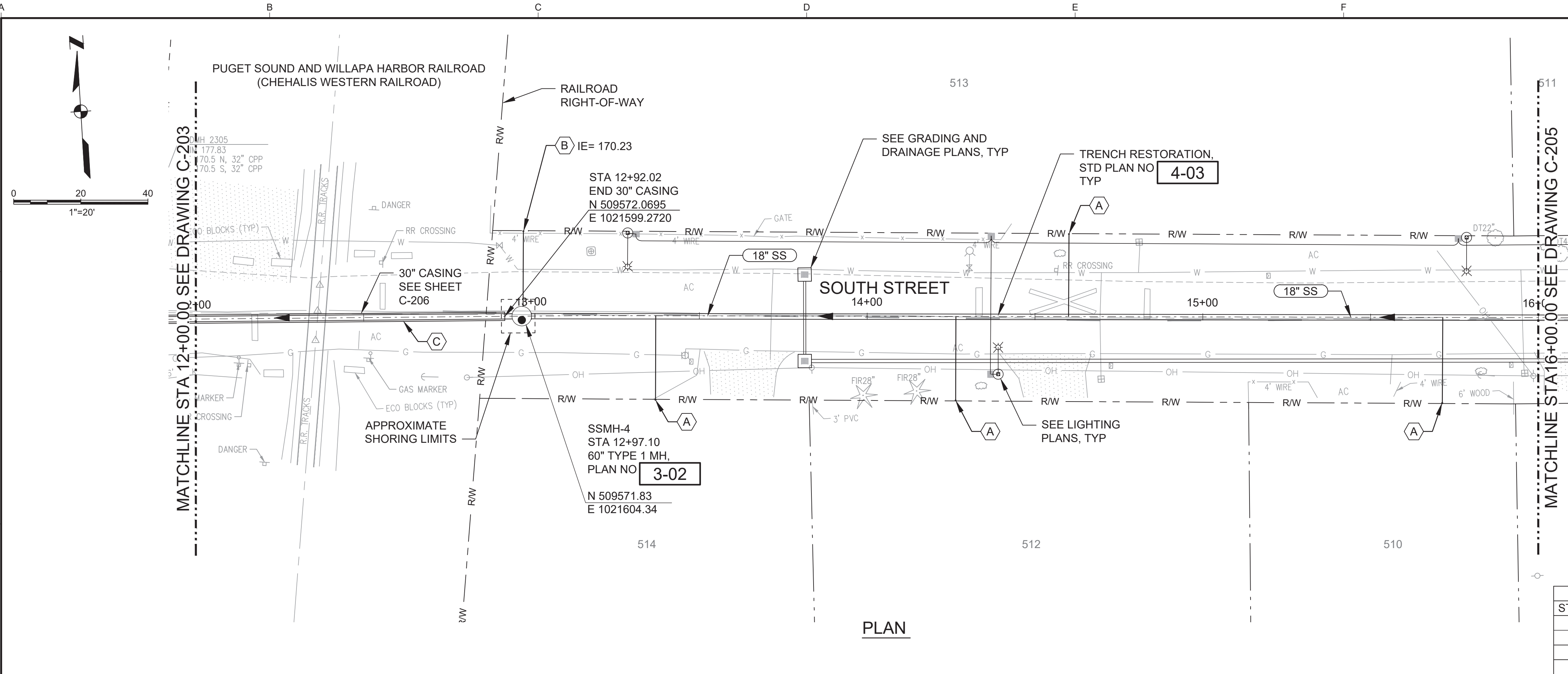
CITY OF CENTRALIA
CENTRALIA, WASHINGTON
S. YEW STREET AND SOUTH STREET
GRAVITY SEWER UPGRADE



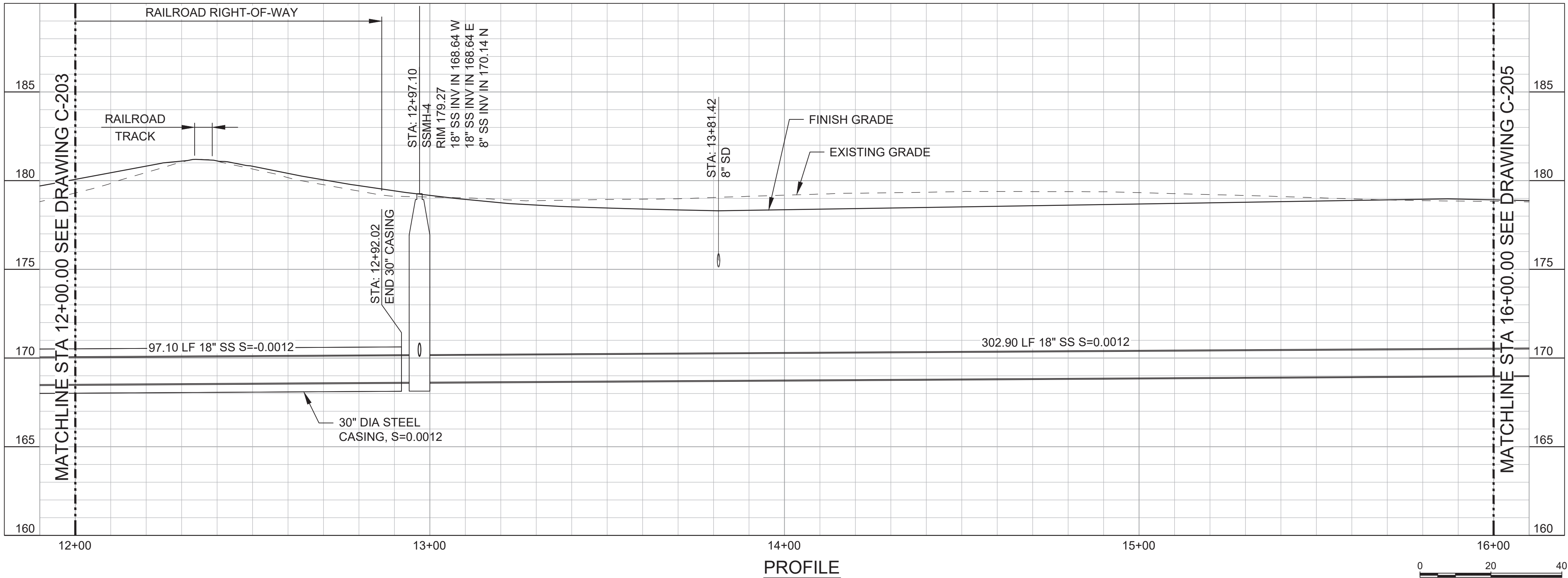
PLAN AND PROFILE - GRAVITY LINE
STA 8+00 TO STA 12+00

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LATERAL STATIONS				
STATION	LATERAL LENGTH (FT)	LEFT/RIGHT OF MAIN	CONNECTION TYPE	DEPTH AT R/W
13+37	25	R	NEW	6FT MIN
14+26	25	R	NEW	6FT MIN
14+60	25	L	NEW	6FT MIN
15+72	25	R	NEW	6FT MIN



GENERAL SHEET NOTES

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- RESTORE PAVING, BASE MATERIAL, AND PAVEMENT MARKINGS TO ORIGINAL CONDITION AFTER CONSTRUCTION OF PIPELINES AND SITE IMPROVEMENTS ARE COMPLETE.
- COORDINATE WITH PROPERTY OWNER AND THE CITY OF CENTRALIA TO VERIFY LOCATION OF ALL NEW LATERAL INSTALLATIONS PRIOR TO CONSTRUCTION. LATERAL SIZE AND DEPTH UNKNOWN.
- SEE GRADING AND DRAINAGE PLANS FOR FINISH GRADE.

SHEET KEYNOTES

- A. NEW SANITARY SEWER LATERAL AND CLEANOUT AT PROPERTY LINE, STD PLAN NO **3-01** TYP.
- B. 8" SANITARY SEWER MAIN CAPPED AT PROPERTY LINE.
- C. PROVIDE BELL PROTECTION SYSTEM ON CARRIER PIPE FOR JOINTS WITHIN CASING. EBAA IRON, MEGA-STOP SERIES 5000, OR EQUAL.



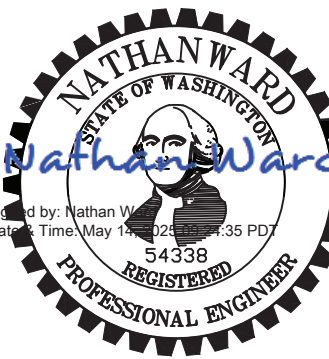
KEYMAP
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SCALES
0 1"
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IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.



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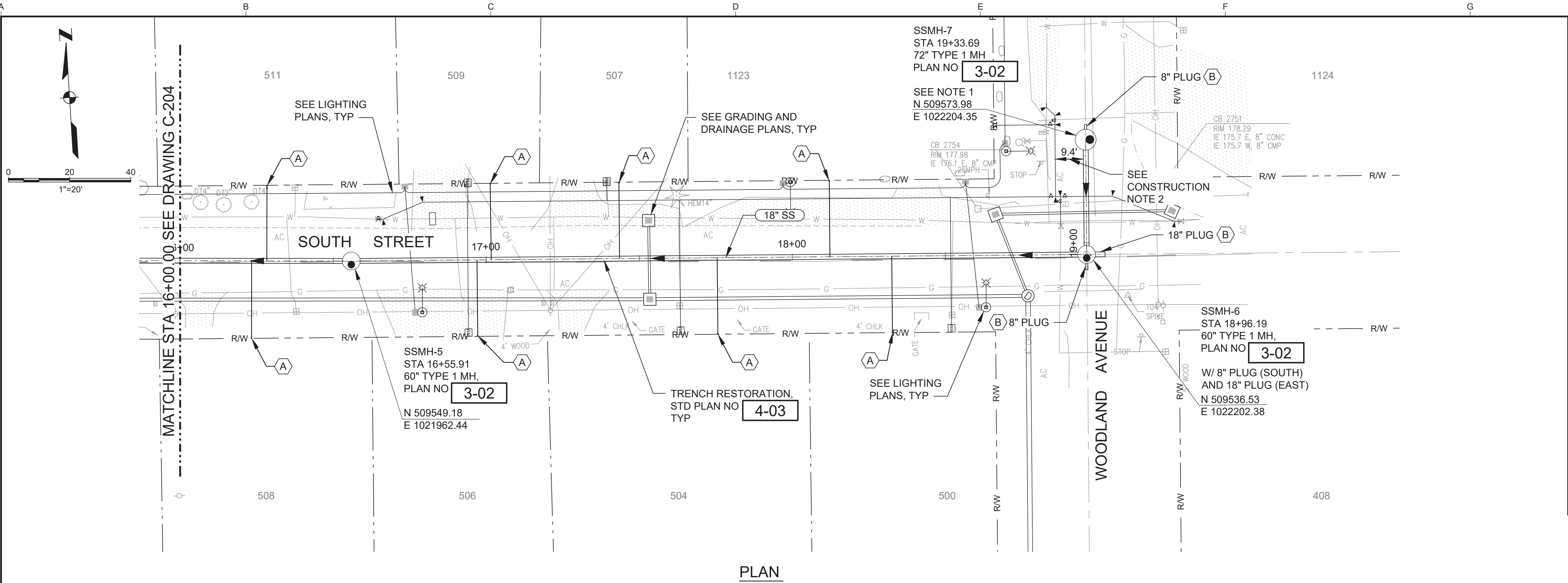
CITY OF CENTRALIA
CENTRALIA, WASHINGTON
S. YEW STREET AND SOUTH STREET
GRAVITY SEWER UPGRADE

KJ Kennedy Jenks

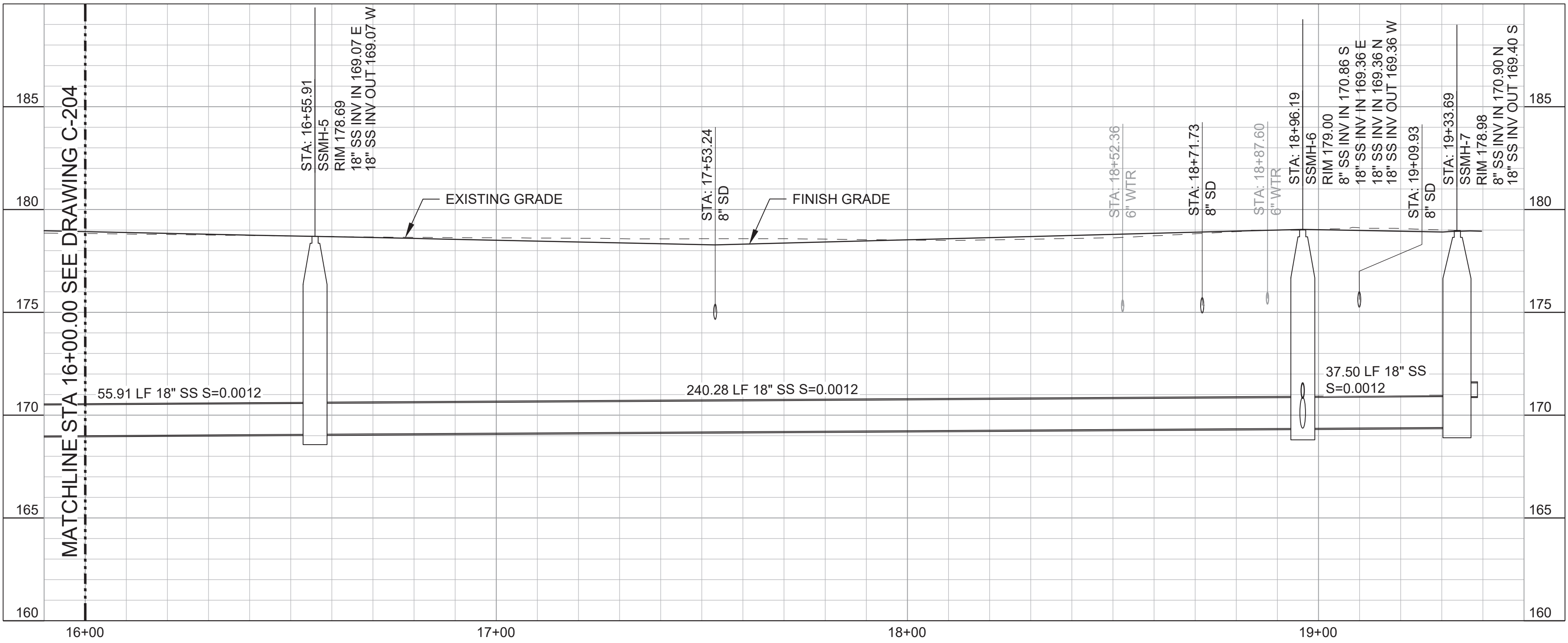
PLAN AND PROFILE - GRAVITY LINE
STA 12+00 TO STA 16+00

SCALE
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DATE
MAY 2025
SHEET 12 OF 15
C-204

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PLAN



PROFILE

LATERAL STATIONS				
STATION	LATERAL LENGTH (FT)	LEFT/RIGHT OF MAIN	CONNECTION TYPE	DEPTH AT R/W
16+23	25	R	NEW	6FT MIN
16+28	25	L	NEW	6FT MIN
17+01	25	L	NEW	6FT MIN
16+97	25	R	NEW	6FT MIN
17+44	25	L	NEW	6FT MIN
17+75	25	R	NEW	6FT MIN
18+12	25	L	NEW	6FT MIN
18+32	25	R	NEW	6FT MIN



KEYMAP
SCALE: NTS

GENERAL SHEET NOTES

- EXISTING UTILITY LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND SHALL BE CONFIRMED PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL COORDINATE STAGING AREAS WITH CITY AND PROPERTY OWNERS.
- RESTORE PAVING, BASE MATERIAL, AND PAVEMENT MARKINGS TO ORIGINAL CONDITION AFTER CONSTRUCTION OF PIPELINES AND SITE IMPROVEMENTS ARE COMPLETE.
- COORDINATE WITH PROPERTY OWNER AND THE CITY OF CENTRALIA TO VERIFY LOCATION OF ALL NEW LATERAL INSTALLATIONS PRIOR TO CONSTRUCTION. LATERAL SIZE AND DEPTH UNKNOWN.
- SEE GRADING AND DRAINAGE PLANS FOR FINISH GRADE.

CONSTRUCTION NOTES

- SSMH-6 AND SSMH-7 SHALL CONTAIN ANTIMICROBIAL ADDITIVES IN THE CONCRETE AND SHALL BE COATED WITH RAVENS 405 PER SPECIAL PROVISIONS.
- MAINTAIN 10-FOOT HORIZONTAL SEPARATION BETWEEN SEWER AND WATER MAINS. ADJUST ALIGNMENTS IN FIELD IF NECESSARY. ENGINEER TO APPROVE ANY CHANGES IN ALIGNMENT.

SHEET KEYNOTES

- A. NEW SANITARY SEWER LATERAL AND CLEANOUT AT PROPERTY LINE, STD PLAN NO **3-01** TYP.
- B. CAP FOR FUTURE CONNECTION.

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NO	REVISION	DATE	BY

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CITY OF CENTRALIA
CENTRALIA, WASHINGTON
S. YEW STREET AND SOUTH STREET
GRAVITY SEWER UPGRADE



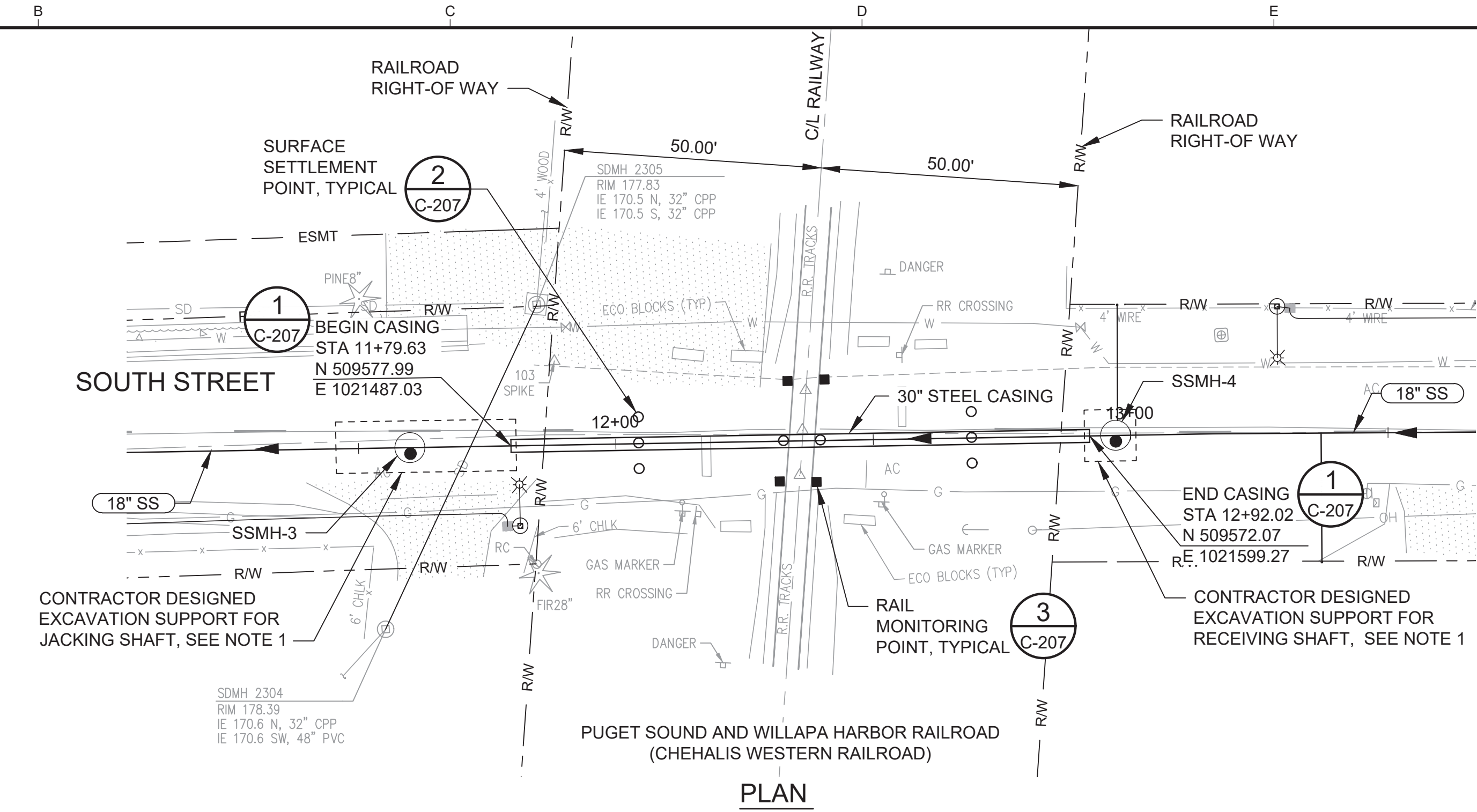
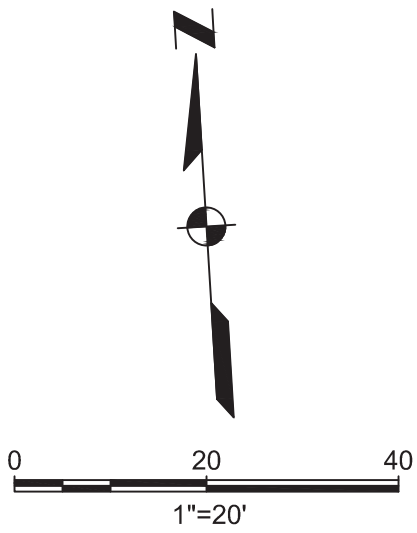
PLAN AND PROFILE - GRAVITY LINE
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DATE MAY 2025
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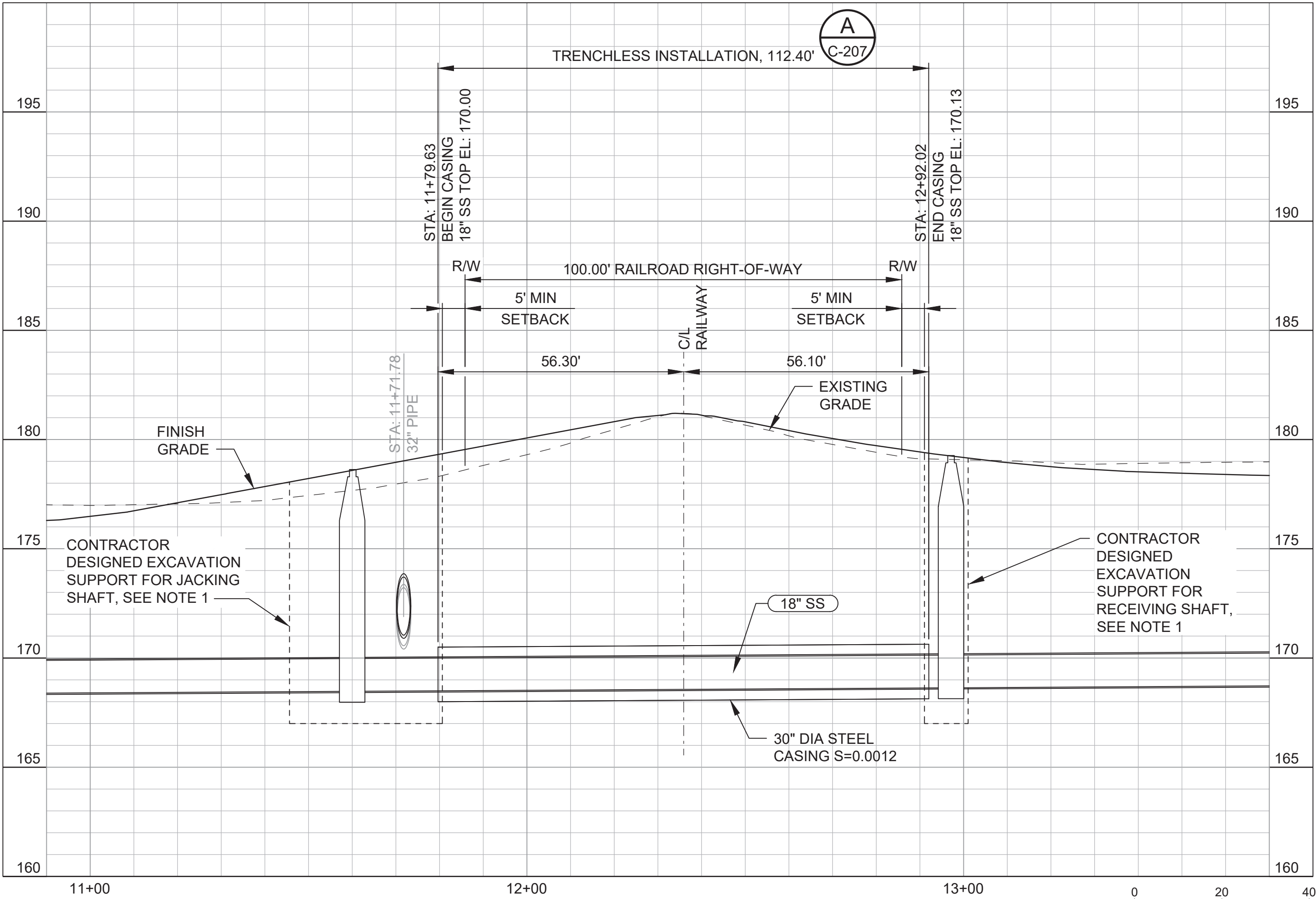
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PLAN



PROFILE



GENERAL SHEET NOTES

1. SHAFT LOCATION AND SIZE IS APPROXIMATE AND IS SHOWN FOR REFERENCE PURPOSES ONLY. CONTRACTOR TO DETERMINE DIMENSIONS OF SHAFTS WHILE REMAINING WITH PUBLIC RIGHT-OF-WAY AND MAINTAINING REQUIRED SETBACKS FROM RAILROAD RIGHT-OF-WAY SHOWN.
2. EXCAVATION SUPPORT FOR JACKING/RECEIVING SHAFT PER CONTRACTOR, REFER TO SPECIFICATIONS FOR REQUIREMENTS.
3. EXISTING UTILITY LOCATIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND SHALL BE CONFIRMED PRIOR TO CONSTRUCTION.
4. SEE DRAWING C-101, C-203 AND C-204 FOR PIPELINE PLAN AND PROFILE.

MONITORING POINT LEGEND

- SURFACE SETTLEMENT POINT
- RAIL MONITORING POINT

INSTRUMENTATION NOTES

1. LOCATIONS OF ALL INSTRUMENTS INDICATED ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE POSITIONS OF ALL EXISTING UTILITIES AND FOUNDATIONS AND RELOCATE ANY INSTRUMENTS THAT ARE IN CONFLICT WITH INDICATED LOCATIONS, UPON AGREEMENT OF THE ENGINEER.
2. CONTRACTOR TO ARRANGE MEETING WITH OWNER AND ENGINEER NO LESS THAN 10 WORKING DAYS BEFORE PLANNED INSTALLATION OF INSTRUMENTS WITHIN RAILROAD RIGHT-OF-WAY. RAILROAD REPRESENTATIVE TO ATTEND MEETING, IF REQUIRED BY RIGHT OF ENTRY AGREEMENT.
3. MEASURES SHALL BE TAKEN TO PROTECT ALL MONITORING INSTRUMENTS AND DEVICES.
4. PERFORM ALL SURVEYING ACTIVITIES UNDER THE DIRECT SUPERVISION OF A LICENSED PROFESSIONAL LAND SURVEYOR REGISTERED IN THE STATE OF WASHINGTON AND EXPERIENCED IN SIMILAR WORK.
5. SURVEY POINTS SHALL HAVE ACCURACY OF 0.01 FOOT OR BETTER. INSTRUMENTATION SHALL BE MEASURED RELATIVE TO SURVEY BENCHMARKS WHICH SHALL BE LOCATED MORE THAN 100 FEET AWAY FROM CONSTRUCTION.
6. SURFACE SETTLEMENT POINTS SHALL CONSIST OF PK NAIL AND WASHER OR AS INDICATED BY RAILROAD. PROVIDE READINGS IN THE Z DIRECTION (VERTICAL).
7. RAIL MONITORING POINTS SHALL CONSIST OF AN REFLECTIVE TARGET MOUNTED TO THE RAIL OR RAIL TIE OR AS INDICATED BY RAILROAD. PROVIDE READINGS IN 3 DIMENSIONS (X, Y, Z) FOR RAIL MONITORING POINTS.
8. BASELINE READINGS: PROVIDE THREE (3) SEPARATE AND COMPLETE SETS OF READINGS ON EACH INSTRUMENT AT LEAST ONE (1) DAY APART AT LEAST ONE WEEK BEFORE TRENCHLESS CASING AND CARRIER PIPE INSTALLATION COMMENCES.
9. DAILY READINGS: READINGS PERFORMED EACH DAY DURING TRENCHLESS CASING AND CARRIER PIPE INSTALLATION.
10. WEEKLY READINGS: PROVIDE READINGS ON AVERAGE EVERY 7 DAYS WITH AT LEAST 6 AND NO MORE THAN 8 DAYS BETWEEN SUCCESSIVE READINGS FOR TWO WEEKS AFTER THE COMPLETION OF TRENCHLESS CASING AND CARRIER PIPE INSTALLATION.
11. ALL MONITORING DATA SHALL BE TRANSMITTED TO THE ENGINEER WITHIN 24 HOURS. PROVIDE PLAN SHOWING INSTRUMENTATION TYPES AND LOCATIONS. PROVIDE PLOTS SHOWING MONITORING DATA OVER TIME, DIRECTIONS OF MOVEMENT, AND THE DATE AND TIME READINGS WERE TAKEN.
12. TRIGGER LEVEL FOR SURFACE SETTLEMENT POINTS AND RAIL MONITORING POINTS IS DEFINED AS 0.25 INCHES IN THE VERTICAL DIRECTION (HEAVE OR SETTLEMENT), OR AS REQUIRED BY RAILROAD.
13. MAXIMUM LEVEL FOR SURFACE SETTLEMENT POINTS AND RAIL MONITORING POINTS IS DEFINED AS 0.50 INCHES IN THE VERTICAL DIRECTION (HEAVE OR SETTLEMENT), OR AS REQUIRED BY RAILROAD.
14. UPON EXCEEDING THE TRIGGER LEVEL: VERIFY MEASUREMENT AND NOTIFY THE ENGINEER. DOUBLE THE FREQUENCY OF FUTURE READINGS. IMPLEMENT PROCEDURES TO LIMIT FURTHER MOVEMENTS.
15. UPON EXCEEDING THE MAXIMUM LEVEL: VERIFY MEASUREMENT AND NOTIFY THE ENGINEER. IF MULTIPLE MEASUREMENTS EXCEED THE MAXIMUM LEVEL, STOP WORK AND HOLD A MEETING WITH THE ENGINEER, OWNER, AND GENERAL CONTRACTOR TO DISCUSS THE MONITORING DATA AND A CORRECTIVE ACTION PLAN TO LIMIT FURTHER MOVEMENTS. IF WORK IS SUSPENDED, OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO RESTARTING EXCAVATION.



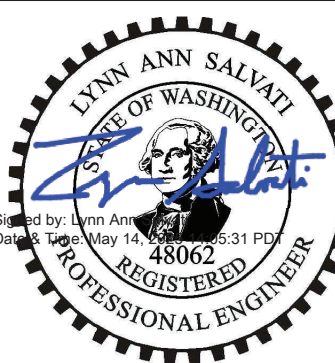
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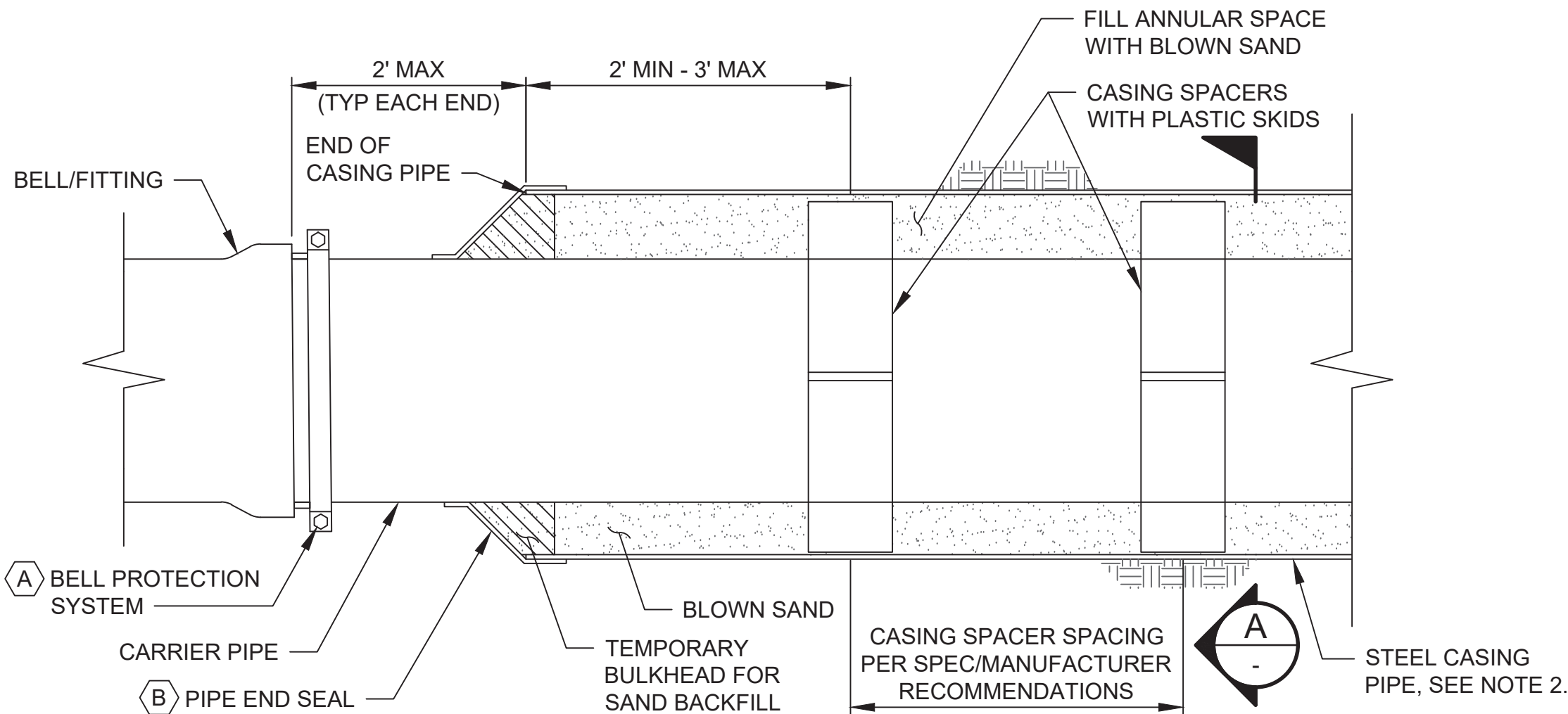
CITY OF CENTRALIA
CENTRALIA, WASHINGTON
S. YEW STREET AND SOUTH STREET
GRAVITY SEWER UPGRADE

Kennedy Jenks

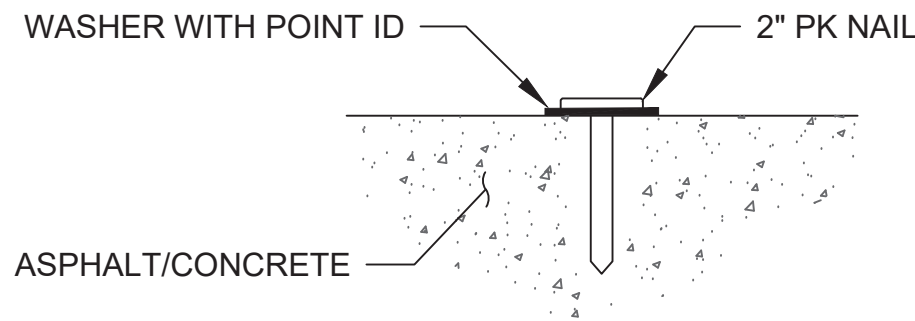
TRENCHLESS CROSSING
AND MONITORING PLAN

SCALE	1" = 20'
JOB NO	2397004.00
DATE	MAY 2025
SHEET	14 OF 15
	C-206

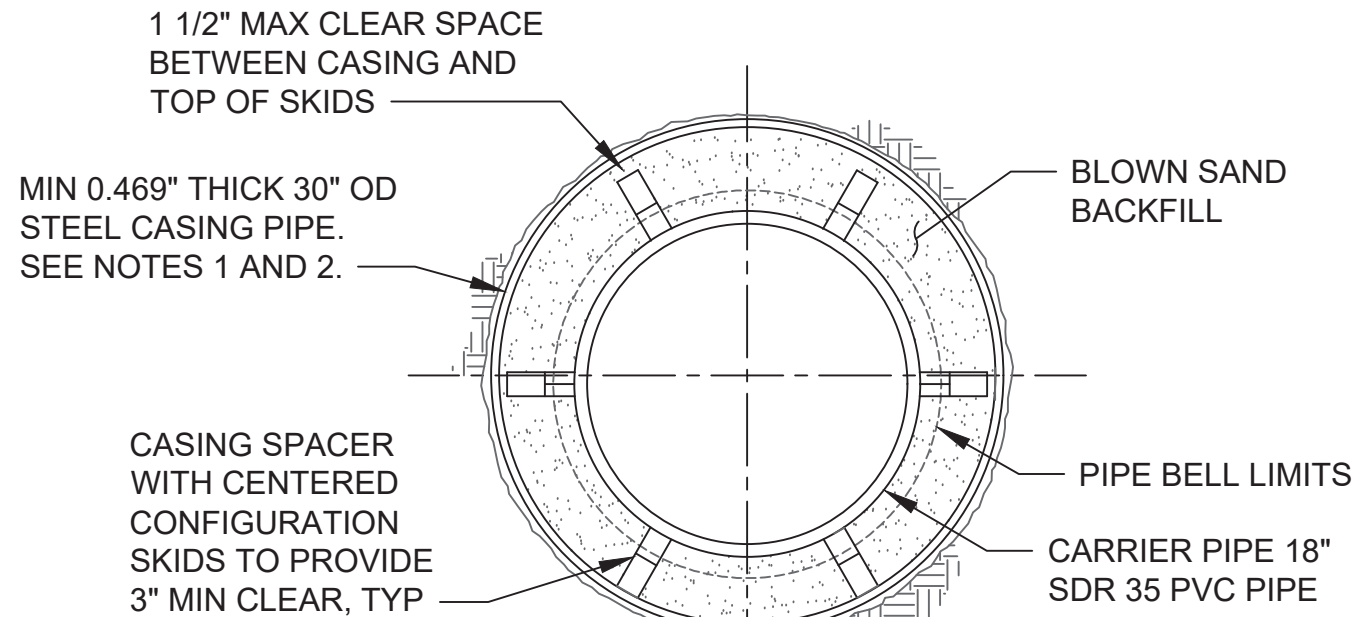
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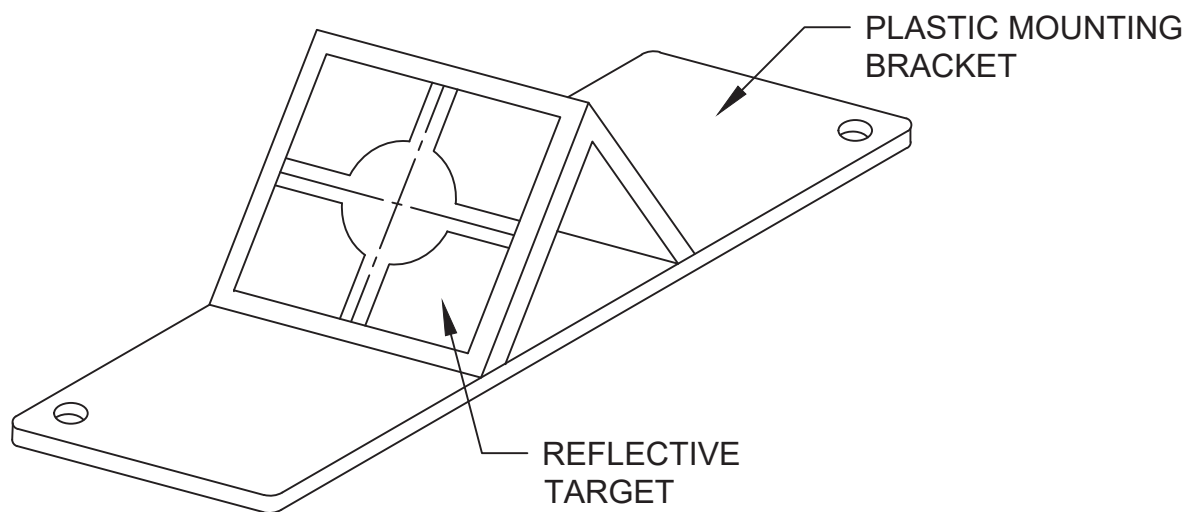
1 STEEL CASING END
C-206 SCALE: NTS



2 TYPICAL SURFACE SETTLEMENT POINT
C-206 SCALE: NTS



A STEEL CASING AND CARRIER PIPE SECTION
C-206 SCALE: NTS



3 TYPICAL RAIL MONITORING POINT
C-206 SCALE: NTS

GENERAL SHEET NOTES

1. STEEL CASING THICKNESS HAS BEEN SIZED FOR ANTICIPATED EARTH PRESSURES AND TO MEET RAILROAD MINIMUM REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR INCREASING THICKNESS AS NECESSARY TO HANDLE INSTALLATION LOADS BASED ON SELECTED MEANS AND METHODS.
2. SEE SPECIFICATION 33 05 23.16 FOR STEEL CASING REQUIREMENTS.
3. SEE SPECIFICATION 33 05 23.16 FOR STEEL CASING INSTALLATION USING TRENCHLESS CONSTRUCTION METHODS.
4. ANNULUS BETWEEN STEEL CASING AND CARRIER PIPE SHALL BE COMPLETELY FILLED WITH BLOWN-IN SAND, SEE TRENCHLESS CONSTRUCTION SPECIFICATION 33 05 23.16.
5. COMPLETE HYDROSTATIC TESTING PRIOR TO FILLING ANNULAR SPACE.

SHEET KEYNOTES

- A. PROVIDE BELL PROTECTION SYSTEM ON CARRIER PIPE FOR JOINTS WITHIN CASING. EBAA IRON, MEGA-STOP SERIES 5000, OR EQUAL.
- B. PIPE END SEAL AND TEMPORARY BULKHEAD SHOWN SCHEMATICALLY, SEE TRENCHLESS CONSTRUCTION SPECIFICATION.

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ANY PRINTS NOT BEARING THIS STAMP MAY HAVE BEEN PRINTED PRIOR TO ADVERTISING AND CANNOT BE CONSIDERED AS BID DOCUMENTS. USERS OF THIS DOCUMENT IN EDITABLE ELECTRONIC FORMATS ARE CAUTIONED AGAINST USE WITHOUT FIRST DETERMINING WHETHER CHANGES MAY HAVE BEEN MADE SUBSEQUENT TO ITS PREPARATION.

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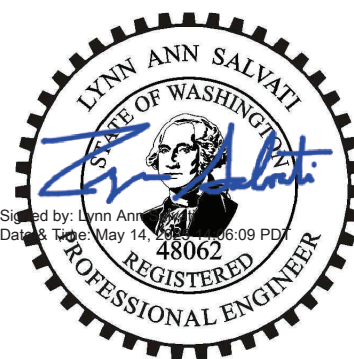
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CITY OF CENTRALIA
CENTRALIA, WASHINGTON

S. YEW STREET AND SOUTH STREET
GRAVITY SEWER UPGRADE



Kennedy Jenks

TRENCHLESS CROSSING NOTES AND DETAILS

SCALE

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2397004.00

DATE

MAY 2025

SHEET

15 OF 15

C-207

GENERAL CONSTRUCTION NOTES:

1. ALL GOVERNMENT SAFETY REGULATIONS SHALL BE STRICTLY ADHERED TO, INCLUDING OSHA.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DULY NOTIFY THE CITY OF CENTRALIA IN ADVANCE OF THE COMMENCEMENT OF ANY AUTHORIZED WORK AND TO SCHEDULE REQUIRED INSPECTIONS. ANY REQUIRED INSPECTION TEST WILL BE PERFORMED AT THE CONTRACTOR'S EXPENSE.
3. THE APPROVAL OF THESE PLANS BY THE CITY OF CENTRALIA DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO COMPLY WITH THE REQUIREMENTS OF OTHER GOVERNING AGENCIES.
4. THE CONTRACTOR IS CAUTIONED THAT THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON A PROJECT SURVEY. THE INFORMATION IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CALL FOR UTILITY LOCATES 48 HOURS PRIOR TO PLANNED EXCAVATIONS.
5. THE DESIGN SHOWN IS BASED UPON THE ENGINEER'S UNDERSTANDING OF THE EXISTING CONDITIONS. THE EXISTING CONDITIONS SHOWN ON THIS PLAN SET ARE BASED ON COMPILED SURVEY DATA. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING FIELD CONDITIONS PRIOR TO BIDDING THE PROPOSED WORK IMPROVEMENTS. IF CONFLICTS ARE DISCOVERED, THE CONTRACTOR SHALL NOTIFY THE CITY OF CENTRALIA.
6. EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. THE CONTRACTOR SHALL VERIFY EXACT LOCATION OF EXISTING FACILITIES AND REPORT ANY DISCREPANCIES TO THE ENGINEER PRIOR TO INSTALLATION OF PROPOSED UTILITIES.
7. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL OBTAIN ALL NECESSARY LOCAL, STATE, AND FEDERAL APPROVALS AND PERMITS.
8. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HAVE A COPY OF THE APPROVED PLANS, SPECIFICATIONS, AND CONTRACT DOCUMENTS AT THE CONSTRUCTION SITE AT ALL TIMES.
9. CONSTRUCTION SIGNAGE AND TRAFFIC CONTROL SHALL BE PER THE CURRENT COPY OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). THE CONTRACTOR SHALL PREPARE AND SUBMIT A TRAFFIC CONTROL PLAN TO THE LEWIS COUNTY AND OBTAIN APPROVAL PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.
10. ALL VEHICLES AND EQUIPMENT SHALL BE KEPT WITHIN THE WORK AREAS ESTABLISHED FOR THAT WORK SHIFT UNLESS TRAVELLING TO AND FROM THE SITE. UNDER NO CIRCUMSTANCES SHALL VEHICLES BE PARKED OR EQUIPMENT BE STORED OUTSIDE OF THESE AREAS.
11. OTHER CONSTRUCTION PROJECTS MAY OCCUR NEAR THE PROJECT SITE AND MAY BE IN PROGRESS CONCURRENT WITH THE PROJECT. THE CONTRACTOR SHALL COOPERATE, AS NECESSARY, AND NOT INTERFERE OR HINDER THE PROGRESS OR COMPLETION OF WORK BEING PERFORMED BY OTHER CONTRACTORS.
12. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL LABOR AND EQUIPMENT NECESSARY TO COMPLETE THE WORK SHOWN ON THESE DRAWINGS AND OBTAIN ACCEPTANCE FROM THE CITY OF CENTRALIA. THE CITY SHALL FURNISH ALL MATERIAL FOR THIS WORK.
13. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THEIR "PRE CONSTRUCTION" STATE OR BETTER.
14. DRIVEWAY ACCESS AND UTILITY SERVICE TO EXISTING HOMES AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES.
15. THE CONTRACTOR SHALL ASSUME THAT A PORTION OF THE SOILS WILL NOT PROVIDE SUFFICIENT STABILITY TO STAND UP TO VERTICAL TRENCH WALLS. THIS WILL RESULT IN WIDER TRENCHES, GREATER EARTHWORK VOLUMES, AND MORE SURFACE DISTURBANCE. THE CONTRACTOR SHALL ASSUME THAT A PORTION OF THE NATIVE SOILS WILL INCLUDE BOULDERS/COBBLES WHICH ARE GREATER THAN 24 INCHES IN DIAMETER WHICH WILL SLOW DOWN THE CONTRACTOR'S PROGRESS. THIS WILL RESULT IN WIDER TRENCHES, GREATER EARTHWORK VOLUMES, AND MORE SURFACE DISTURBANCE.
16. THE REMOVAL, LOADING, AND HAULING OF EXCESS MATERIALS AS A RESULT OF TRENCHING AND EXCAVATION ACTIVITIES SHALL BE DISPOSED OF AT A CONTRACTOR-PROVIDED WASTE SITE AT NO ADDITIONAL COST TO THE CITY.

TRAFFIC CONTROL NOTE:

THE CONTRACTOR SHALL PROVIDE ALL FLAGGERS, SIGNS, AND OTHER TRAFFIC CONTROL DEVICES AS NECESSARY TO COMPLETE THE WORK. THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL CONSTRUCTION SIGNS, WARNING SIGNS, DETOUR SIGNS, AND OTHER TRAFFIC CONTROL DEVICES NECESSARY TO WARN AND PROTECT THE PUBLIC AT ALL TIMES FROM INJURY OR DAMAGE AS A RESULT OF THE CONTRACTOR'S OPERATIONS THAT MAY OCCUR IN HIGHWAYS, ROADS, OR STREETS. NO WORK SHALL BE DONE ON OR ADJACENT TO THE ROADWAY UNTIL ALL NECESSARY SIGNS AND TRAFFIC CONTROL DEVICES ARE IN PLACE. THE CONTRACTOR SHALL NOT CLOSE DOWN THROUGH TRAFFIC ON CITY/COUNTY STREETS. ACCESS FOR BOTH VEHICULAR AND PEDESTRIAN TRAFFIC SHALL BE MAINTAINED AT ALL TIMES, EXCEPT WHERE THE CONTRACTOR OBTAINS PERMISSION TO TEMPORARILY CLOSE A SIDEWALK. THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE CITY OF CENTRALIA FOR REVIEW AND APPROVAL PRIOR TO STARTING ANY WORK IN THE RIGHT-OF-WAY.

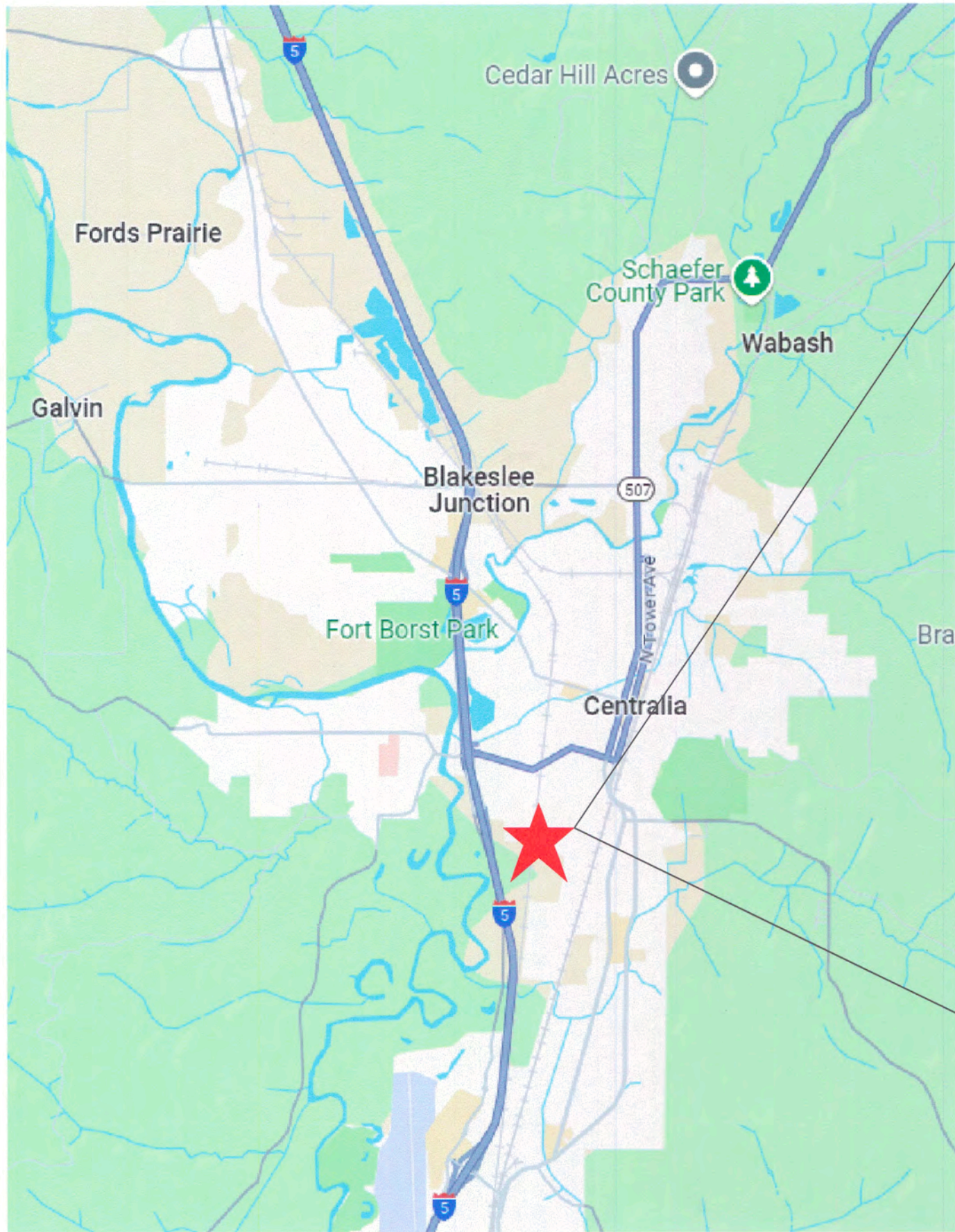
CALL BEFORE YOU DIG:

THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR THE LOCATION AND PROTECTION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION BY CALLING THE UNDERGROUND LOCATE LINE AT 811 OR (800) 424-5555 A MINIMUM OF 48 HOURS PRIOR TO ANY EXCAVATION.

South Street Improvements

S Yew/South St/Woodland

VICINITY MAP:



TRENCHING:

ALL TRENCH, BACKFILL, AND SITE RESTORATION WORK REQUIRED TO CONSTRUCT THIS PROJECT SHALL BE THE RESPONSIBILITY OF THE CUSTOMER.

UTILITY EASEMENT NOTE:

THE GRANTOR HEREBY CONVEYS AND GRANTS TO THE GRANTEE (CITY OF CENTRALIA) THE RIGHT, PRIVILEGE AND AUTHORITY TO INSTALL, CONSTRUCT, ERECT, ALTER, REPAIR, ENERGIZE, OPERATE AND MAINTAIN UNDERGROUND ELECTRIC DISTRIBUTION FACILITIES AT DEPTHS NOT EXCEEDING 15 FEET, WHICH CONSIST OF VAULTS, MANHOLES, HANDHOLES, DUCTS, CONDUITS, CABLES, WIRES AND OTHER NECESSARY OR CONVENIENT APPURTENANCES; ALSO THE RIGHT, PRIVILEGE AND AUTHORITY TO THE GRANTEE, ITS SUCCESSORS AND ASSIGNS, TO INSTALL, CONSTRUCT, ERECT, ALTER, REPAIR, ENERGIZE, OPERATE AND MAINTAIN AT THE GROUND LEVEL, ELECTRIC TRANSFORMER UNITS AND ELECTRIC JUNCTION CABINETS AND/OR CONTAINERS, ELECTRIC SWITCH CABINETS, TOGETHER WITH SUCH APPURTENANCES NECESSARY TO MAKE SAID UNDERGROUND AND SURFACE INSTALLATIONS AN INTEGRATED ELECTRIC SYSTEM.

TOGETHER WITH THE RIGHT AT ALL TIMES TO THE GRANTEE OF INGRESS TO AND EGRESS FROM SAID LANDS ACROSS ADJACENT LANDS OF THE GRANTOR FOR THE PURPOSE OF INSTALLING, CONSTRUCTING, ALTERING, REPAIRING, ENERGIZING, OPERATING AND MAINTAINING SAID ELECTRIC SYSTEM, AND THE RIGHT AT ANY TIME TO REMOVE ALL OR ANY PART OF SAID ELECTRIC SYSTEM FROM SAID LANDS.

ALSO THE RIGHT TO THE GRANTEE AT ALL TIMES TO CUT AND TRIM BRUSH, TREES OR OTHER PLANTS STANDING OR GROWING UPON SAID LANDS WHICH, IN THE OPINION OF THE GRANTEE, INTERFERE WITH THE MAINTENANCE OR OPERATION OF THE SYSTEM, OR CONSTITUTE A MENACE OR DANGER TO SAID ELECTRIC SYSTEM.

THE GRANTOR HEIRS, EXECUTORS, ADMINISTRATORS, SUCCESSORS AND ASSIGNS, HEREBY COVENANT AND AGREE THAT NO STRUCTURE OR FIRE HAZARDS WILL BE ERECTED OR PERMITTED WITHIN THE ABOVE DESCRIBED EASEMENT AREA WITHOUT PRIOR WRITTEN APPROVAL FROM THE GRANTEE, ITS SUCCESSORS OR ASSIGNS; THAT NO DIGGING WILL BE DONE OR PERMITTED WITHIN THE EASEMENT AREA WHICH WILL IN ANY MANNER DISTURB THE FACILITIES OR THEIR SOLIDITY OR UNEARTH ANY PORTION THEREOF; AND THAT NO BLASTING OR DISCHARGE OF ANY EXPLOSIVES WILL BE PERMITTED WITHIN FIFTY (50) FEET OF SAID LINES AND APPURTENANCES.

SHEET INDEX	
SHEET	SHEET TITLE
E1001	COVER
E1002A	PROJECT OVERVIEW WEST OF RAILROAD
E1002B	PROJECT OVERVIEW EAST OF RAILROAD
E1003	CABLE DIAGRAM
E1004	CONDUIT DIAGRAM
E1005	DESIGN TABLES
E1006	DETAILED DRAWINGS



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Willie Wright

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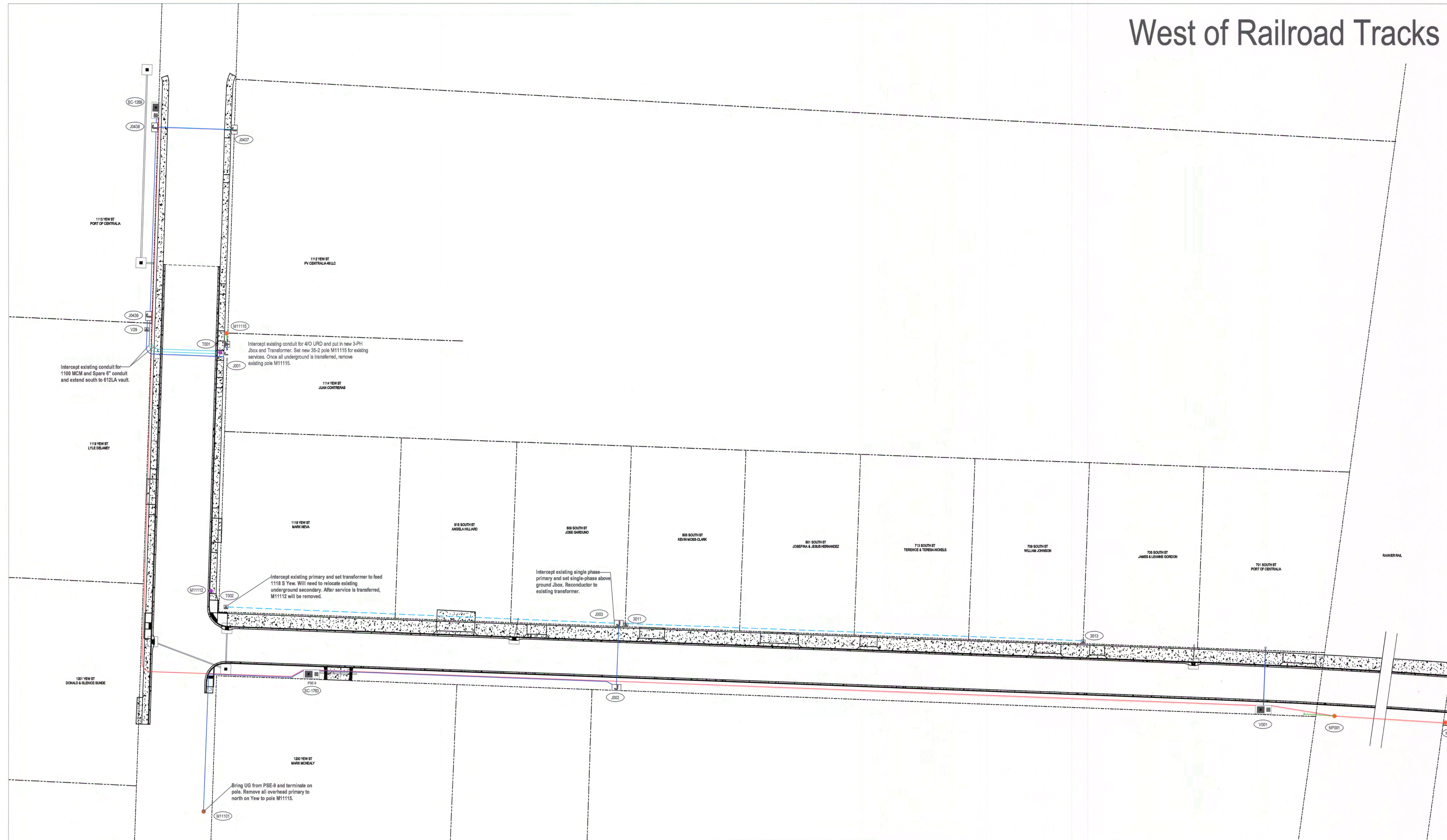
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A. STAHL			W. WRIGHT
DATE	5/16/2025		5/20/2025

1100 N. TOWER AVE
CENTRALIA, WA 98531
OFFICE: (360) 330-7512
FAX: (360) 330-7516

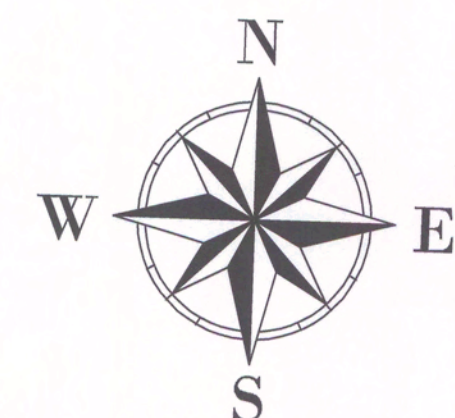
South Street System Improvements

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West of Railroad Tracks



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*South Street
System Improvements*

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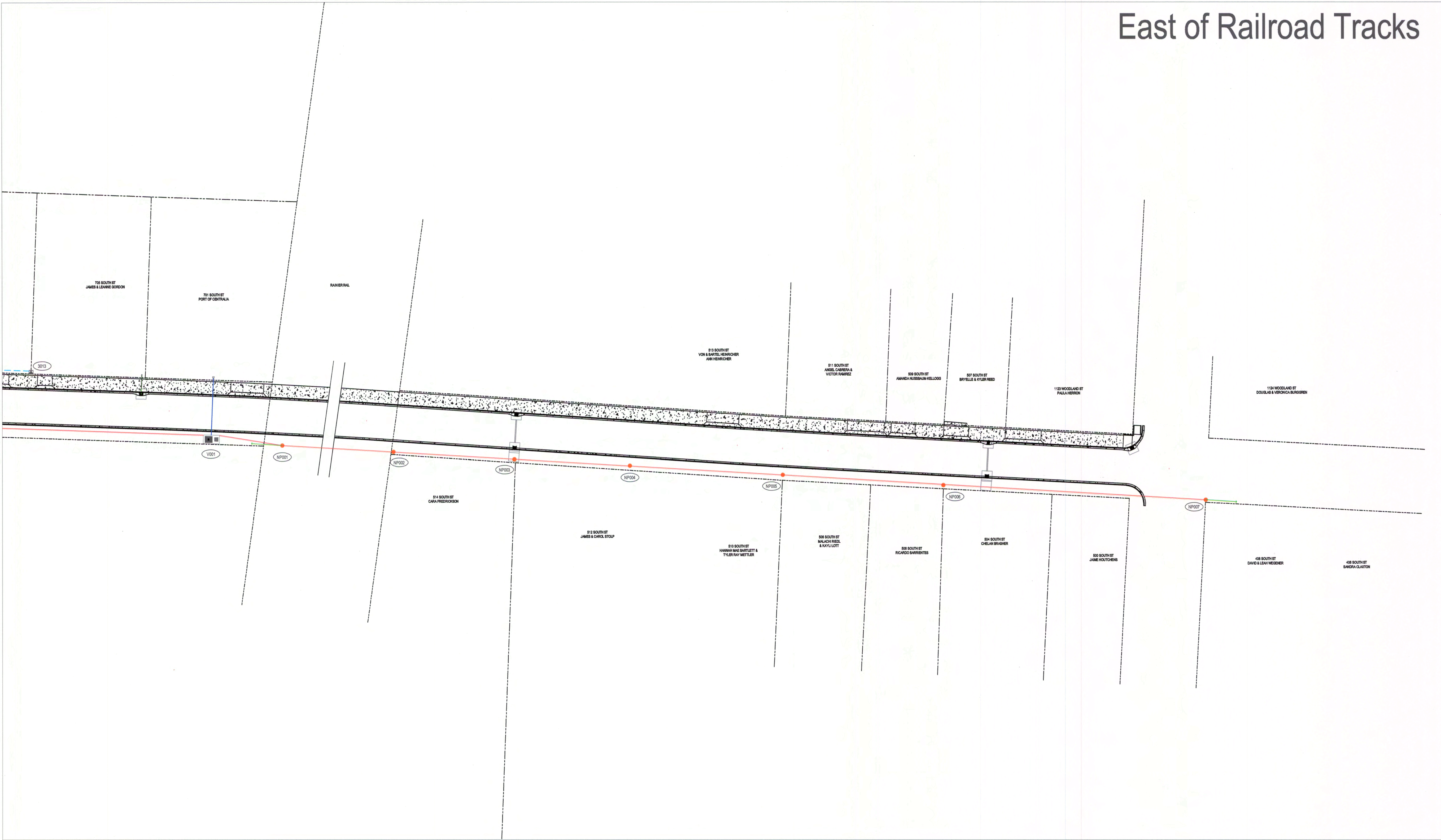
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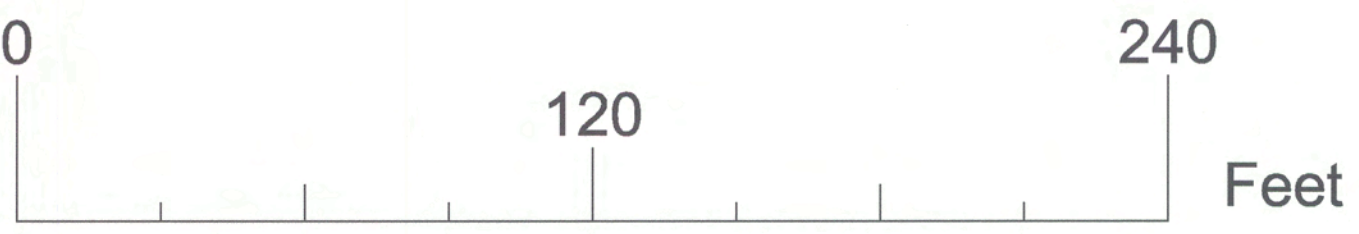
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APPROVE:	5/20/2025
W. WRIGHT	



East of Railroad Tracks



WILLIE L. WRIGHT JR.
STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER
42366

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Willie L. Wright Jr.

PROJECT NO.
925024

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5/16/2025

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W. WRIGHT

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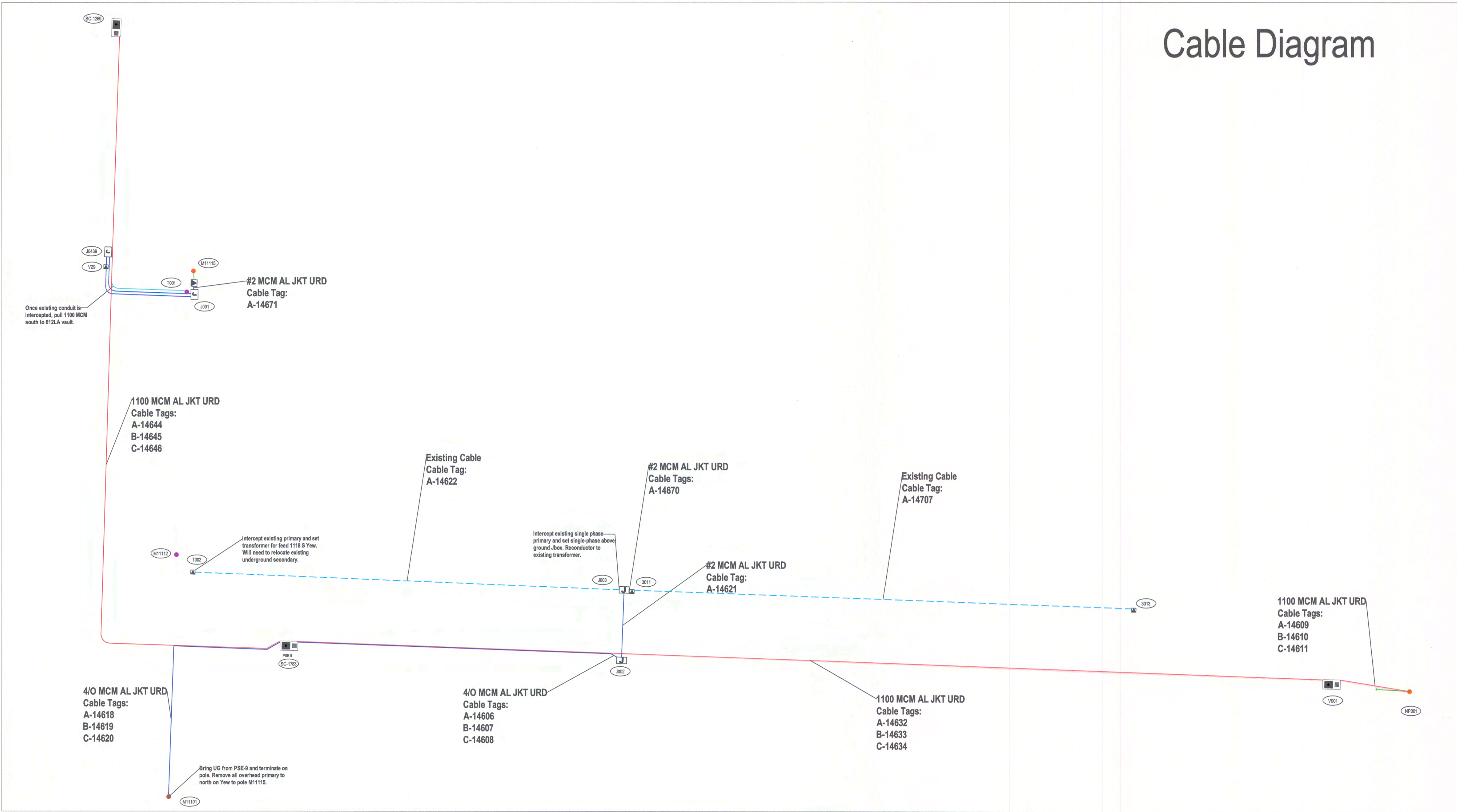
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South Street

System Improvements

Cable Diagram



DRAFTING SYMBOLS

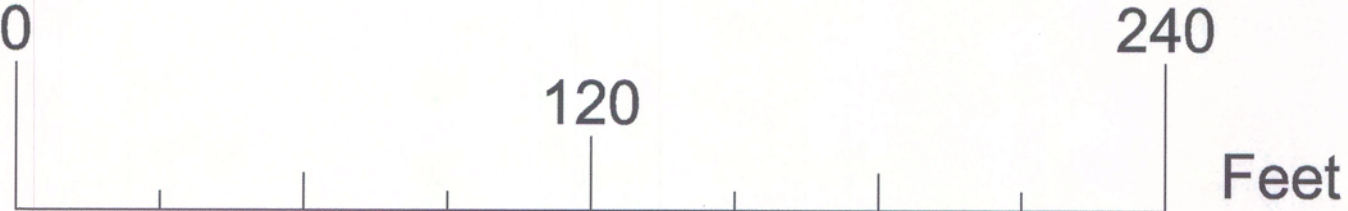
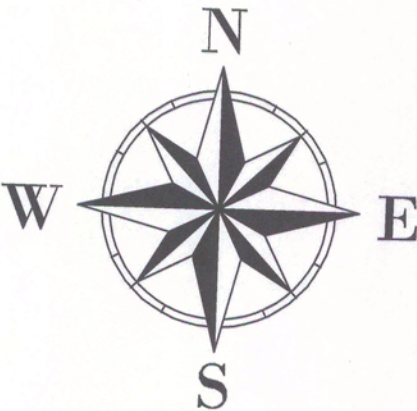
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	PAD-MOUNT TRANSFORMER
	612LA VAULT
	200A UG PRIMARY CONDUCTOR
	600A UG PRIMARY CONDUCTOR
	500 TRIPLEX SECONDARY CONDUCTOR
	OH PRIMARY CONDUCTOR
	EXISTING UG PRIMARY CONDUCTOR
	POLES (NEW)
	POLES (REMOVE)

LOCATION		PRIMARY CABLE						PHASES
		CABLE SIZE	LENGTH (FT)	CABLE NUMBERS			TOTAL	
				A	B	C	LENGTH	
FROM	TO							
SC-1269	SC-1783	1100 mcm AL JKT URD	710	14644	14645	14646	2,129	3
SC-1783	V001	1100 mcm AL JKT URD	915	14632	14633	14634	2,746	3
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J002	J003	#2 mcm AL JKT URD	93	14621			93	1
J003	3011	#2 mcm AL JKT URD	10	14670			10	1
J001	T001	#2 mcm AL JKT URD	10	14671			10	1
V001	NP001	1100 mcm AL JKT URD	109	14609	14610	14611	327	3
#2 mcm AL JKT URD TOTALS =								112 FT
4/0 AL JKT URD TOTALS =								1,960 FT
1100mcm AL JKT URD TOTALS =								5,203 FT



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ME OR UNDER MY SUPERVISION

Willie L. Wright



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A. STAHL			W. WRIGHT
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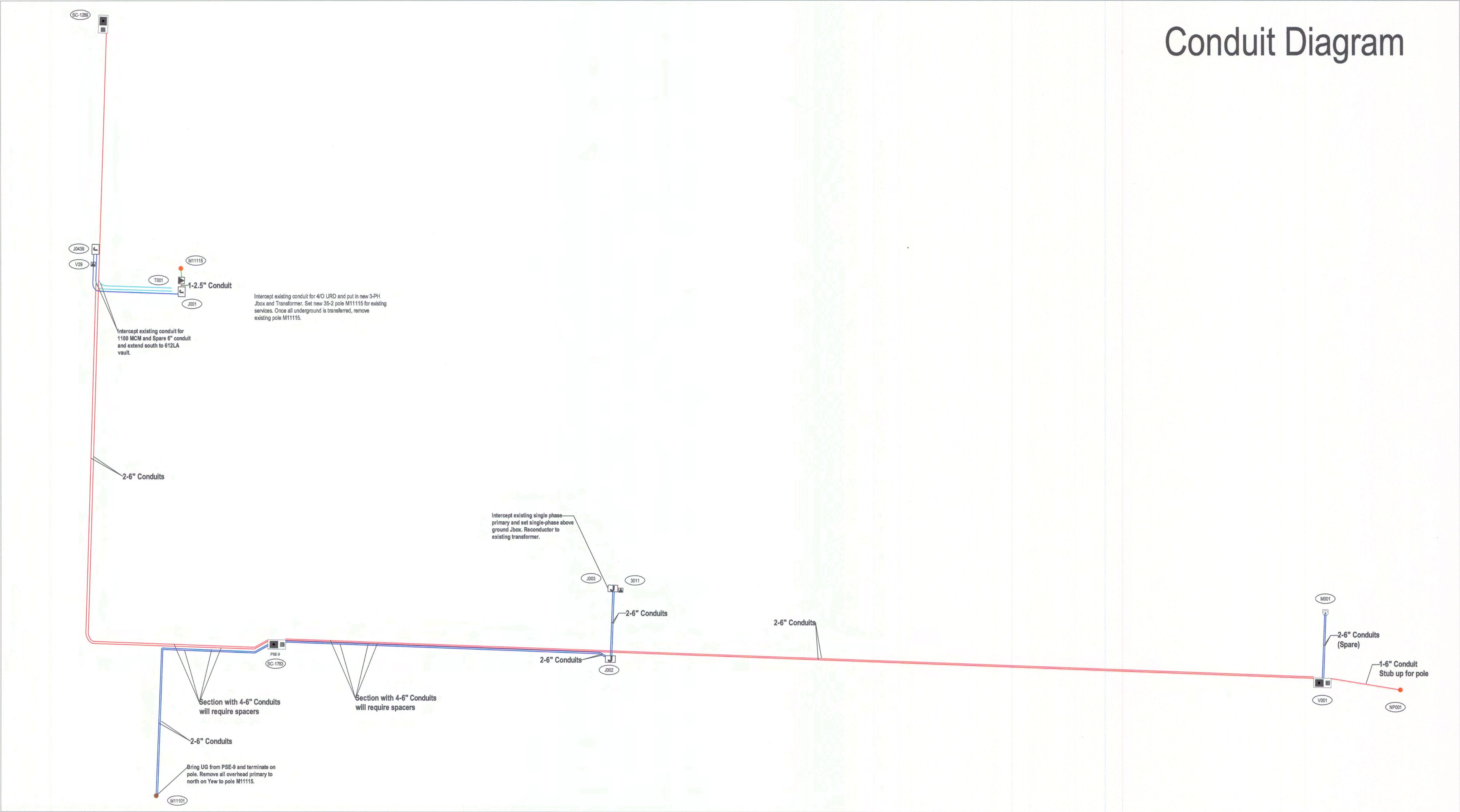
South Street
System Improvements

PROJECT NO.

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Conduit Diagram

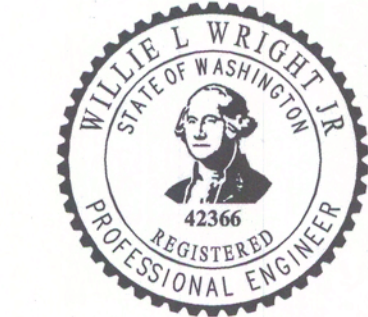


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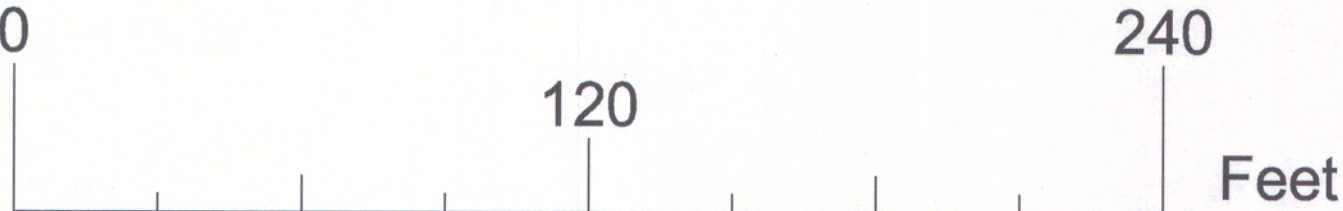
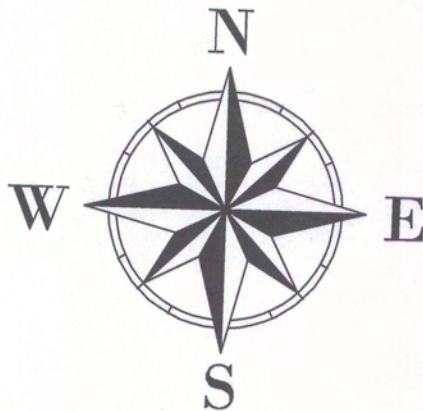
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- CONDUIT END MARKER
- JUNCTION BOX
- PAD-MOUNT TRANSFORMER
- 612LA VAULT
- 6" SCHED 40 PVC (200A DIST SYS)
- 6" SCHED 40 PVC (600A DIST SYS)
- 2.5" SCHED 40 PVC
- 3" SCHED 40 PVC (SECONDARY)
- ABANDONED CONDUIT
- POLES (NEW)
- POLES (REMOVE)

CONDUIT TABLE

LOCATION		SIZE	XING NO.	XING LENGTH (FT)	XING QTY	XING TOTAL (X)	REMAINING LENGTH (FT)	QTY	QTY	QTY	QTY	BENDS			TOTAL REMAINING (R)	TOTAL CONDUIT (X+R)
FROM	TO	(IN)						PVC	BELLEND	PLUGS	SPACER	90°	45°	22°		
J0439	SC-1783	6		60	2	120	345	2	4	4	10	2		2	690	810
SC-1783	M11101	6				0	184	2	4	4	10	4		2	368	368
SC-1783	J002	6				0	230	2	4	4	29			2	460	460
SC-1783	V001	6				0	734	2	4	4	29				1468	1468
J002	J003	6		46	2	92	0	4	4	4					0	92
V0001	NP001	6				0	60	1	2	2		1			60	60
J001	T001	2.5				0	5	1	2	2		2			5	5
J003	3011	2.5				0	5	1	2	2		2			5	5
V001	M001	6		46	2	92	0	4	4	4					0	92
TOTALS						304	1,563	30	30	78	11	0	6		3,056	3,360
Total 2.5" PVC =							0	4	4	0	4	0	0		10	10
Total 3" PVC =							0	0	0	0	0	0	0		0	0
Total 4" PVC =							0	0	0	0	0	0	0		0	0
Total 6" PVC =						304		26	26	78	7	0	6		3046	3350
						304		30	30	78	11	0	6		3056	3360



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.



REV	BY	DATE
1		
2		
3		

DESIGN	DATE
A. STAHL	5/16/2025
DRAFT	
REVIEW	
APPROVE	5/20/2025
W. WRIGHT	

1100 N. TOWER AVE
CENTRALIA, WA 98531
OFFICE: (360) 330-7512
FAX: (360) 330-7516

CENTRALIA
CITY LIGHT

South Street
System Improvements

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925024
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Design Tables

LOCATION		PRIMARY CABLE						PHASES
		CABLE SIZE	LENGTH (FT)	CABLE NUMBERS			TOTAL LENGTH	
FROM	TO			A	B	C		
SC-1269	SC-1783	1100 mcm AL JKT URD	710	14644	14645	14646	2,129	3
SC-1783	V001	1100 mcm AL JKT URD	915	14632	14633	14634	2,746	3
SC-1783	M11101	4/0 mcm AL JKT URD	304	14618	14619	14620	913	3
SC-1783	J002	4/0 mcm AL JKT URD	349	14606	14607	14608	1,047	3
J002	J003	#2 mcm AL JKT URD	93	14621			93	1
J003	3011	#2 mcm AL JKT URD	10	14670			10	1
J001	T001	#2 mcm AL JKT URD	10	14671			10	1
V001	NP001	1100 mcm AL JKT URD	109	14609	14610	14611	327	3

#2 mcm AL JKT URD TOTALS = 112 FT
4/0 AL JKT URD TOTALS = 1,960 FT
1100mcm AL JKT URD TOTALS = 5,203 FT

CONDUIT TABLE																
LOCATION		SIZE	XING NO.	XING LENGTH (FT)	XING QTY	XING TOTAL (X)	REMAINING LENGTH (FT)	QTY PVC	QTY BELLEND	QTY PLUGS	QTY SPACER	BENDS			TOTAL REMAINING (R)	TOTAL CONDUIT (X+R)
												90°	45°	22°		
J0439	SC-1783	6		60	2	120	345	2	4	4	10	2		2	690	810
SC-1783	M11101	6				0	184	2	4	4	10	4		2	368	368
SC-1783	J002	6				0	230	2	4	4	29			2	460	460
SC-1783	V001	6				0	734	2	4	4	29				1468	1468
J002	J003	6		46	2	92	0	4	4	4					0	92
V0001	NP001	6				0	60	1	2	2		1			60	60
J001	T001	2.5				0	5	1	2	2		2			5	5
J003	3011	2.5				0	5	1	2	2		2			5	5
V001	M001	6		46	2	92	0	4	4	4					0	92
TOTALS						304	1,563		30	30	78	11	0	6	3,056	3,360
Total 2.5" PVC =		2.5				0			4	4	0	4	0	0	10	10
Total 3" PVC =		3				0			0	0	0	0	0	0	0	0
Total 4" PVC =		4				0			0	0	0	0	0	0	0	0
Total 6" PVC =		6				304			26	26	78	7	0	6	3046	3350
						304			30	30	78	11	0	6	3056	3360

Vault Table

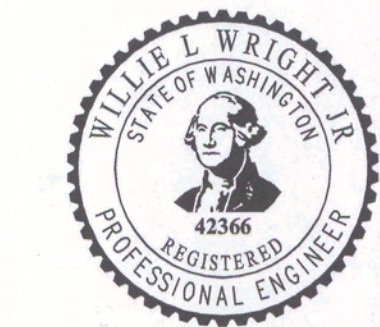
NO.	ACTION	FAC ID NUMBER	STATION OFFSET	STRUCTURE TYPE	NO. OF PHASES	VAULT SIZE	VAULT LID SIZE	VAULT LID TYPE	EQUIPMENT TYPE	EQUIPMENT SIZE	PRIMARY BUSHINGS				COMMENTS
											600A ELBOWS	600A SPLICES	200A ELBOWS	DUST CAPS	
J001	INST		3+59.35 27.52' LT	J-BOX	3	4'8" X 7'0" X 6'0"	4'8" X 7'0" X 1'0"	NON-SKID DOORS	4 POS J-BOX	200A	0	0	4	8	3-PH ABOVE GROUND JBOX
T001	INST		3+51.80 27.80' LT	TRANSFORMER	1	FIBERGLASS PAD	NO LID	NO LID	TRANSFORMER	25KVA	0	0	1	1	NEW TRANSFORMER W/SEC RISER UP POLE
SC-1783	INST		101+34.45 17.55' RT	SWITCH	3	6'8" X 12'8" X 8"	6'8" X 12'8" X 1'6"	612-LA	2S, 2T (PSE-9)	600A	6	0	6	0	612-LA VAULT, LID 3-3' SQ DOORS*
J002	INST		103+74.44 20.32' RT	J-BOX	3	4'8" X 7'0" X 6'0"	4'8" X 7'0" X 1'0"	NON-SKID DOORS	4 POS J-BOX	200A	0	0	6	6	577-LA VAULT, LID W/2-3' SQ DOORS
J003	INST		103+74.44 25.17' LT	J-BOX	3	FIBERGLASS PAD	NO LID	NO LID	4 POS J-BOX	200A	0	0	1	3	1-PH ABOVE GROUND JBOX
V001	INST		108+83.23 17.67' RT	VAULT	3	6'8" X 12'8" X 8"	6'8" X 12'8" X 1'6"	612-LA	SPLICE VAULT	600A	6	0	0	6	612-LA VAULT, LID 3-3' SQ DOORS*
TOTALS											12	0	18	24	

* 3 PIECE VAULT 612-SB BASE, 612-ML VAULT, 612-TL-3-332P LID

Centralia City Light (CCL) crews will install all cable and above ground J-boxes. They will relocate or remove poles once all underground is completed. Please coordinate with CCL crews prior to sidewalk installation.

Contractor awarded with Public Works contract will be responsible for ordering and installing 577-LA and 612-LA vaults. They will also order and install all 6" conduit and spacers outlined in electric plans. Contractor responsible for all backfill as outlined in detailed drawings. Contractor will need to coordinate with CCL crews at interception points. CCL crews may vac out area to locate existing conduit for intercepting.

For CCL crew coordination, please contact Ashley Stahl at 360-330-7512 or astahl@cityofcentralia.com.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Willie L. Wright, Jr.

REV	BY	DATE
1		
2		
3		

DESIGN: A. STAHL	DATE: 5/16/2025
DRAFT:	
REVIEW:	
APPROVE: W. WRIGHT	5/20/2025

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DESIGN: A. STAHL	DATE 5/16/2025
DRAFT:	
REVIEW:	
APPROVE: W. WRIGHT	5/20/2025

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W. J. Z. W. J. Z.



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