

LEGEND

PROPOSED	CONTOUR LINE	CONTOUR LINE
EDGE OF TOP OF DITCH	CURB	BOTTOM OF DITCH CENTERLINE
BOTTOM OF DITCH CENTERLINE	EDGE OF TOP OF DITCH	GRAVEL
CONCRETE (CONSTRUCTED DURING HOME CONSTRUCTION)	GRAVEL	CONCRETE
GRAVEL	EDGE OF PAVEMENT	FENCE
CURB	STREET LIGHT	WATER LINE
ASPHALT	WATER VALVE	WATER METER
EDGE OF ASPHALT	SANITARY LINE	SANITARY MANHOLE
DETECTABLE WARNING SURFACE	(E)W	(E)G
STREET LIGHT	WATER LINE	(E)SD
CONDUIT FOR STREET LIGHTS	(E)WW	(E)C
(SD)	(E)G	(E)SD
STORMWATER LINE	(E)C	(E)SD
STORMWATER MANHOLE	(E)SD	(E)HW
DITCH INLET	(E)HW	(E)T
RIPRAP OUTFALL PAD	(E)T	
SANITARY LINE		
SANITARY PRESSURE LINE		
(WW)		
SANITARY MANHOLE		
(E)OHW		
SANITARY/STORMWATER CLEANOUT		
W		
WATER LINE		
E		
ELECTRIC CONDUIT		
(H)		
FIRE HYDRANT		

* LEGEND ITEMS ARE SHOWN AT SCALE 1"=20'

CLEVELAND STREET CAPITAL IMPROVEMENT PROJECT COTTAGE GROVE, OREGON

DESIGN TEAM

OWNER/APPLICANT

CITY OF COTTAGE GROVE
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WATER, SANITARY, STORM SEWER & CITY FIBER OPTICS

CITY OF COTTAGE GROVE
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COMMUNICATION SERVICES

CENTURY LINK/LUMEN
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EMAIL: trevor.gilbert@lumen.com

CHARTER COMMUNICATIONS
CONTACTS: MARK STANFIELD or SHANE QUIMBY
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ALBANY, OR 97405
PHONE: MARK (541) 201-0097
SHANE (541) 228-7521
EMAILS: mark.stanfield@charter.org
shane.quimby@charter.org

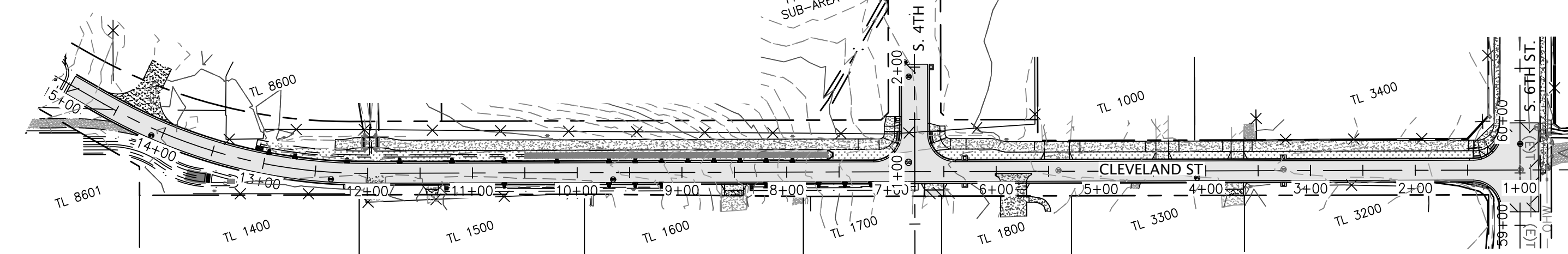
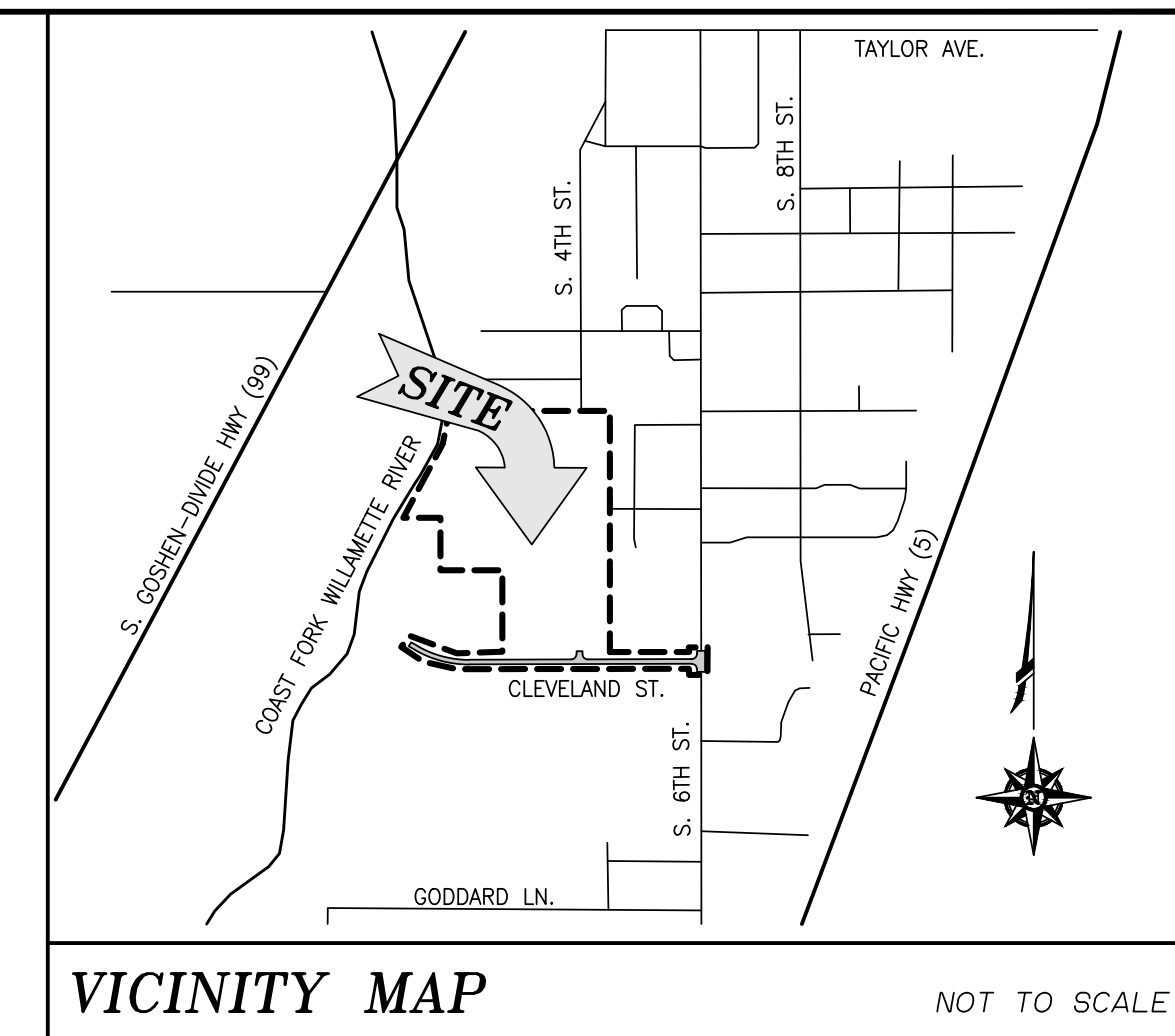
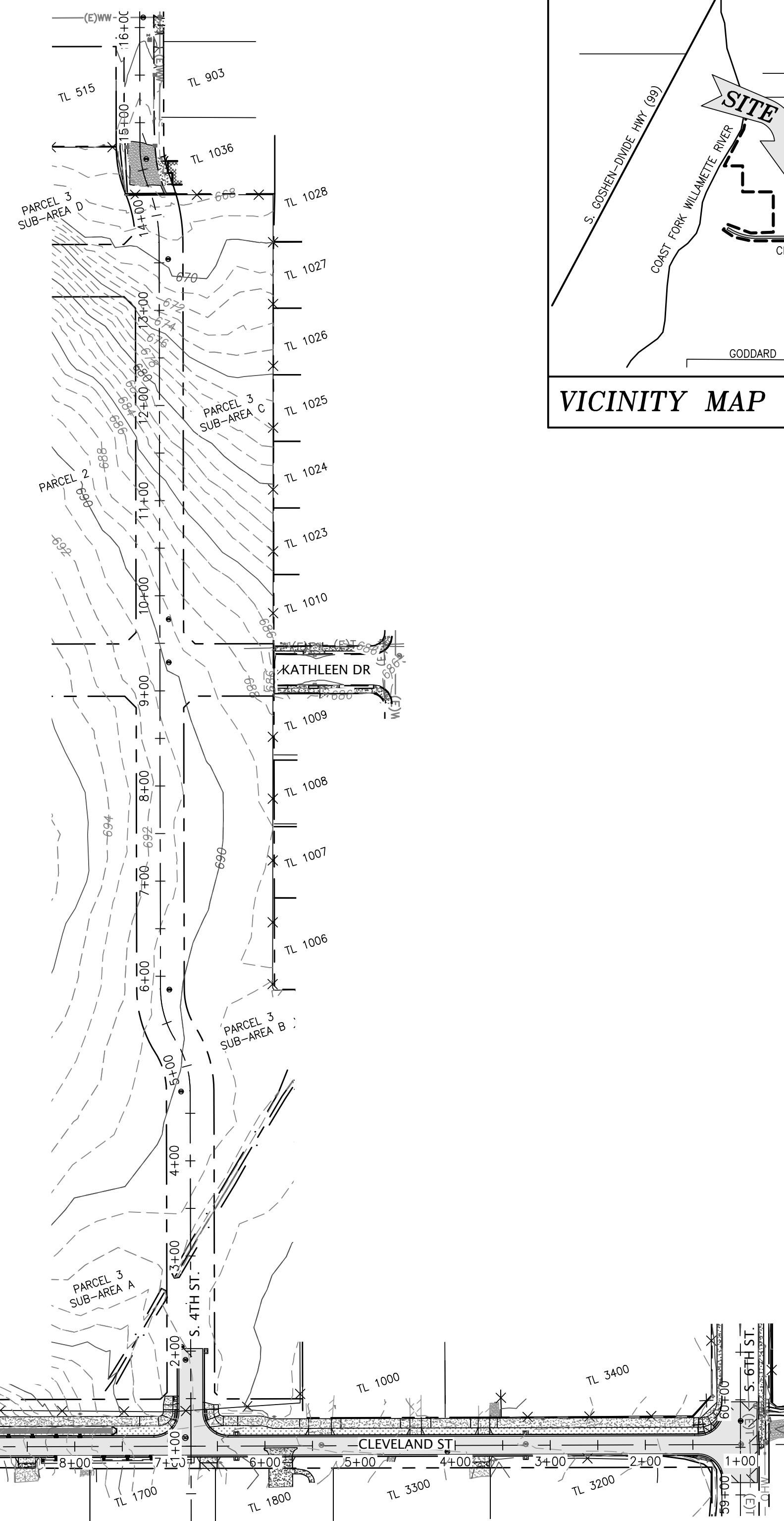
FIRE

SOUTH LANE COUNTY FIRE & RESCUE
CONTACT: DANNY L. SOLESBEE
233 HARRISON AVE
COTTAGE GROVE, OR 97424
PHONE: (541) 942-4493
EMAIL: dsolesbee@southlanefire.org

GAS

NORTHWEST NATURAL GAS
CONTACT: MONTE BROWN
780 GOODPASTURE ISLAND RD
EUGENE, OR 97401
PHONE: (541) 954-1255
E-MAIL: monte.brown@nwnatural.com

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C6.04	DETAIL SHEET 4		



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#62780PE
DIGITALLY SIGNED
OREGON
JULY 13, 2004
DAMIEN GILBERT
EXPIRES: JUNE 30, 2025

CITY OF COTTAGE GROVE ENGINEERING
400 Main Street Cottage Grove, OR 97424

REVISIONS:		
No.	DESCRIPTION	DATE

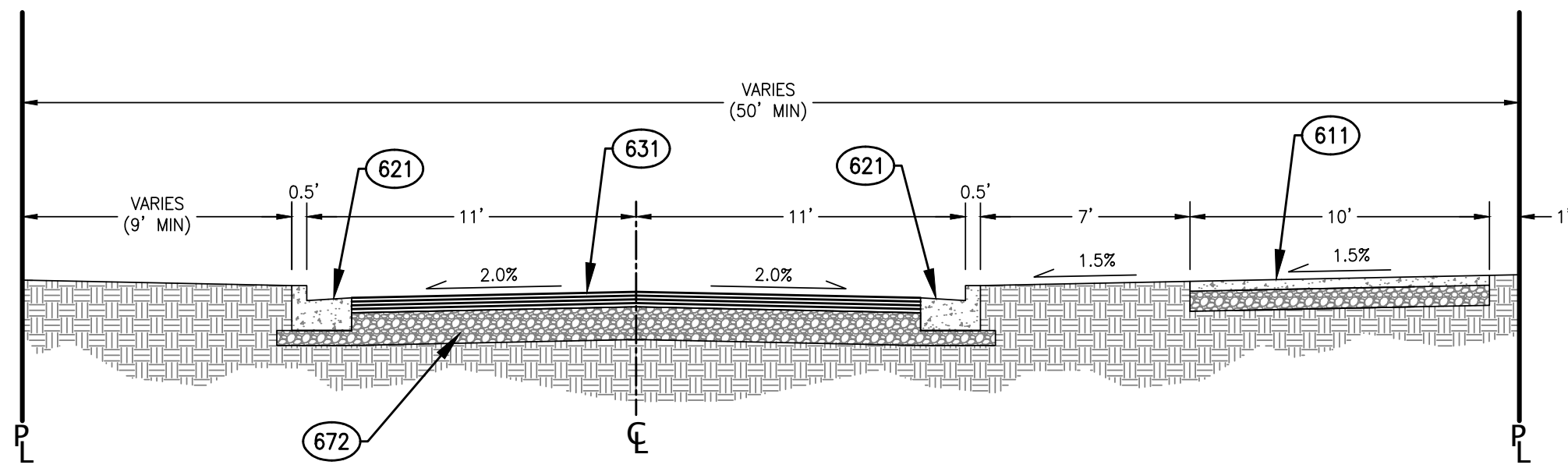
**CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT**

COVER SHEET

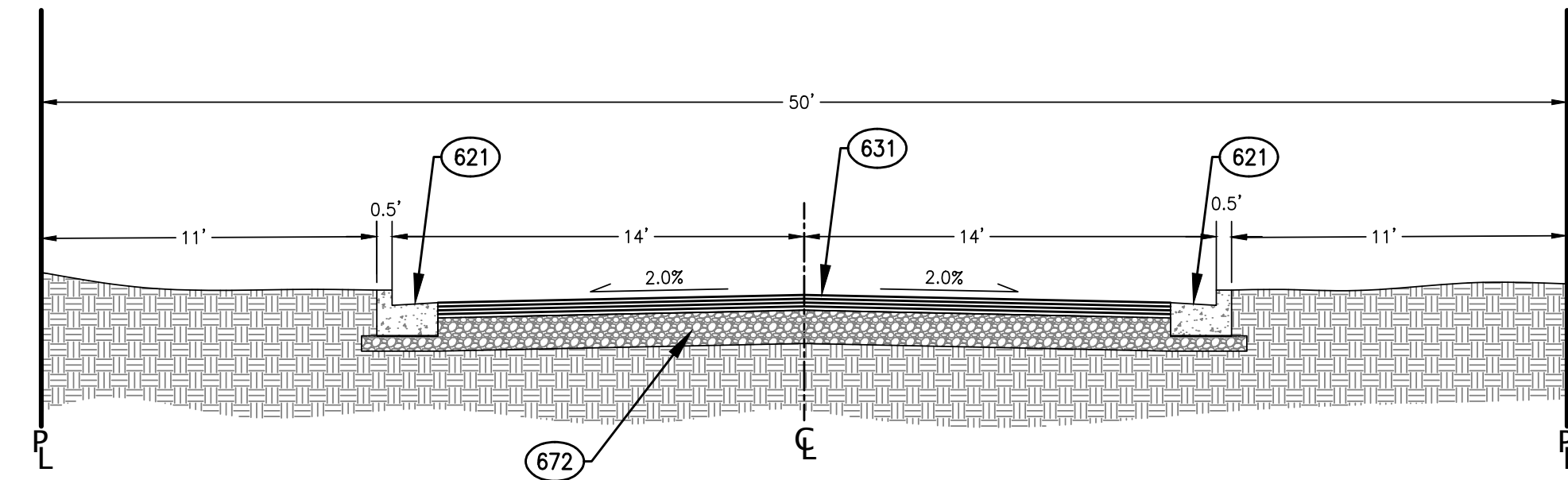
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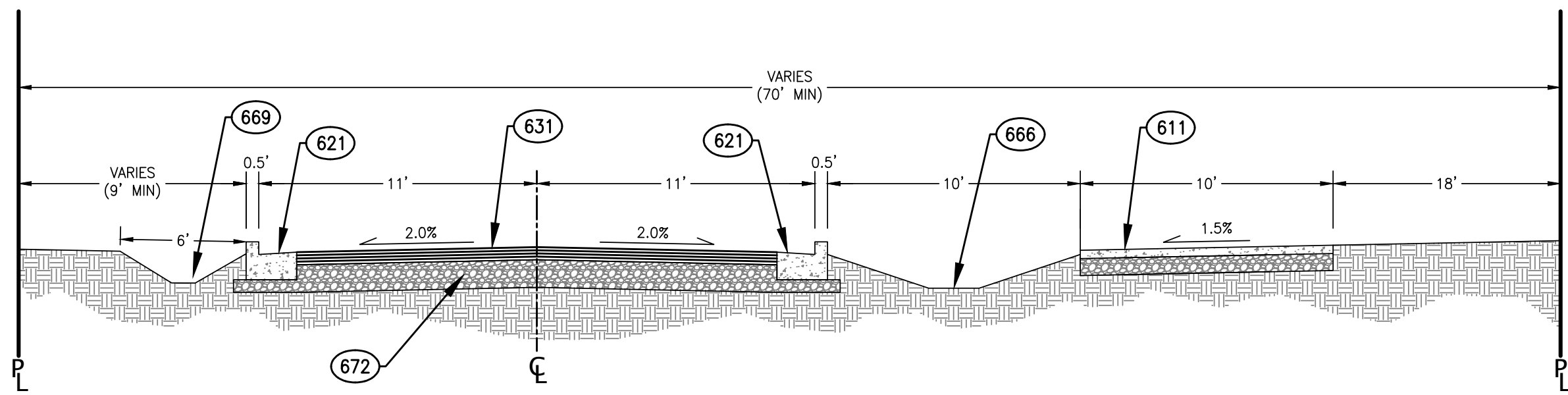
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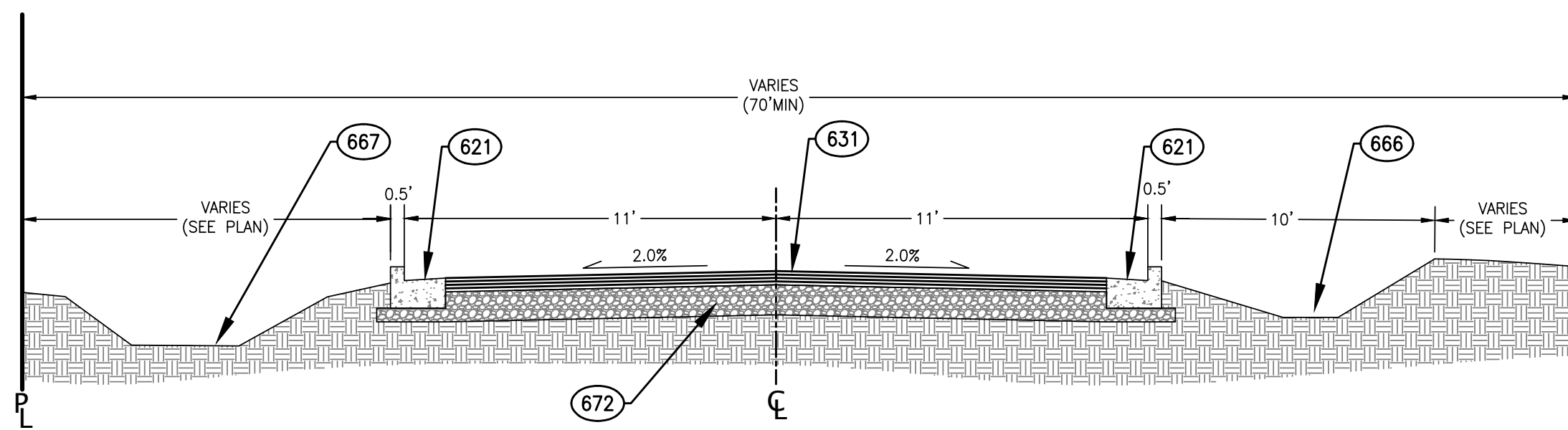
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CROSS SECTION 4. S. 4TH STREET - TYPICAL ROAD CROSS-SECTION STA:1+38.50 - 2+02.66



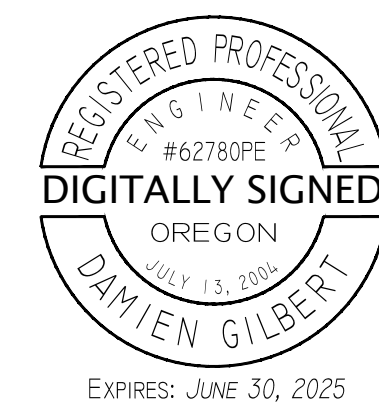
CROSS SECTION 2. CLEVELAND STREET - TYPICAL ROAD CROSS-SECTION STA:5+60.28 - 12+01.44



CROSS SECTION 3. CLEVELAND STREET - TYPICAL ROAD CROSS-SECTION STA:12+01.44 - 15+00.00

CONSTRUCTION NOTES:

- 611 CONSTRUCT 4" THICK SEPARATED SIDEWALK OVER 4" OF AGGREGATE PER ODOT STANDARD DRAWING RD721, SHEET C6.02
- 621 CONSTRUCT 6" TALL 24" CURB AND GUTTER OVER 12" OF AGGREGATE PER ODOT STANDARD DRAWING RD700, SHEET C6.02
- 631 PAVEMENT BASE COURSE SHALL BE ASPHALT CONCRETE, 2" LIFT OF LEVEL 2, 1/2" DENSE HMAC. WEARING COURSE SHALL BE ASPHALT CONCRETE 2" LIFT OF LEVEL 2, 1/2" DENSE HMAC. FOLLOW 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION. COMPACT ALL COURSES TO A MINIMUM OF 91% RICE GRAVITY OR GREATER. OFFSET JOINT OF EACH COURSE OF ASPHALT CONCRETE BY 2 FEET SO JOINTS DO NOT MATCH PER 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 666 CONSTRUCT ROADSIDE TREATMENT SWALE PER SHEET C3.92
- 667 CONSTRUCT ROADSIDE TREATMENT RAINGARDEN AND CONVERSANCE CHANNEL PER SHEET C3.91
- 669 CONSTRUCT TREATMENT POND OR CONVEYANCE CHANNEL. PER SHEET C3.92
- 672 BASE ROCK SHALL BE 12" MIN. 1"-0" CRUSHED ROCK AGGREGATE. AGGREGATE SHALL BE COMPACTED TO 95% RELATIVE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. FOLLOW 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.



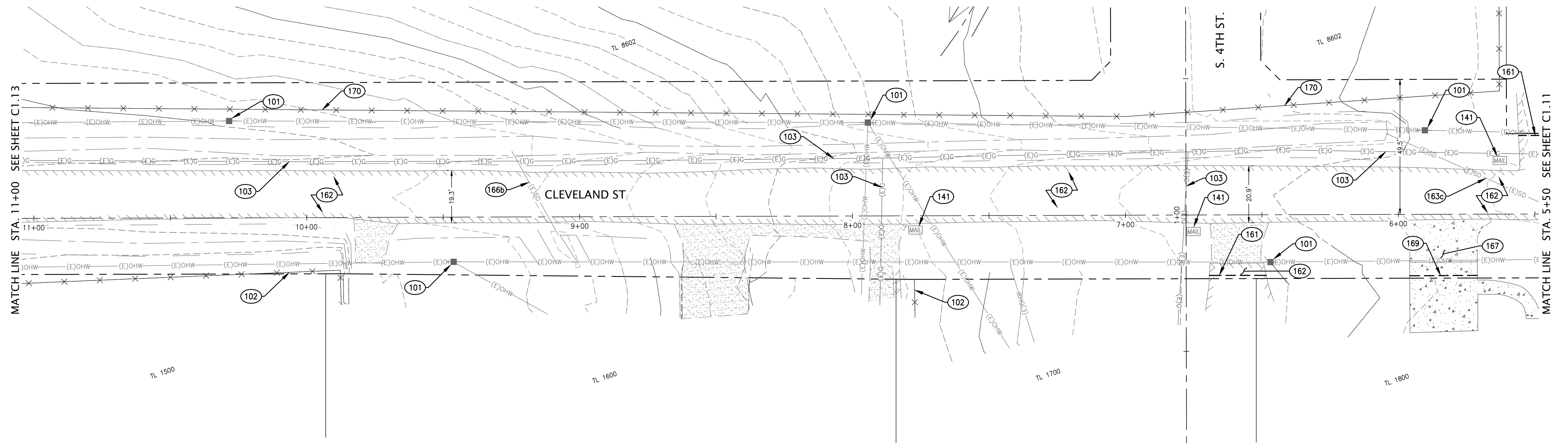
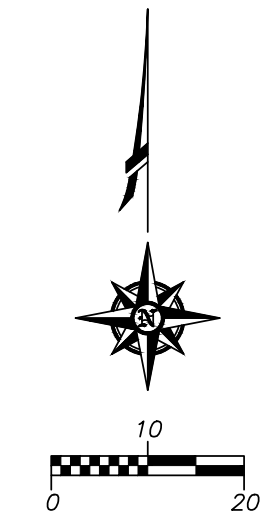
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CLEVELAND STREET CAPITAL IMPROVEMENT PROJECT		
STREET SECTION VIEWS		Sheet No. C0.03
DRAWN BY: JAD	CHECKED BY:	DATE: 12/12/2024
JOB No.		23-001C

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CONSTRUCTION NOTES:

- (101) PROTECT EXISTING UTILITY POLE.
- (102) PROTECT EXISTING FENCE.
- (103) PROTECT EXISTING UTILITY.
- (141) EXISTING MAILBOX TO BE RELOCATED.
- (161) SAWCUT EXISTING AC PAVEMENT. PROTECT SAWCUT EDGE FROM DAMAGE.
- (162) REMOVE EXISTING AC PAVEMENT. REMOVE EXISTING BASE ROCK AND SUBGRADE AS REQUIRED FOR NEW PAVEMENT SECTION FINISHED GRADE.
- (163c) REMOVE EXISTING 30" STORMWATER PIPE.
- (166b) REMOVE EXISTING 24" CULVERT PIPE.
- (167) REMOVE EXISTING CONCRETE.
- (169) SAWCUT EXISTING CONCRETE.
- (170) REMOVE EXISTING FENCE.



MATCH LINE STA. 11+00 SEE SHEET C1.13

MATCH LINE STA. 5+50 SEE SHEET C1.11

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 JULY 13, 2006
 DAMIEN GILBERT
 EXPIRES: JUNE 30, 2025

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 400 Main Street Cottage Grove, OR 97424

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**CLEVELAND STREET
 CAPITAL IMPROVEMENT PROJECT**

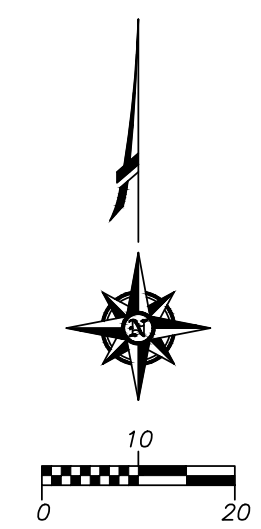
EXISTING CONDITIONS AND DEMO. PLAN
 CLEVELAND ST. STA. 5+50 TO 11+00

Sheet No. **C1.12**

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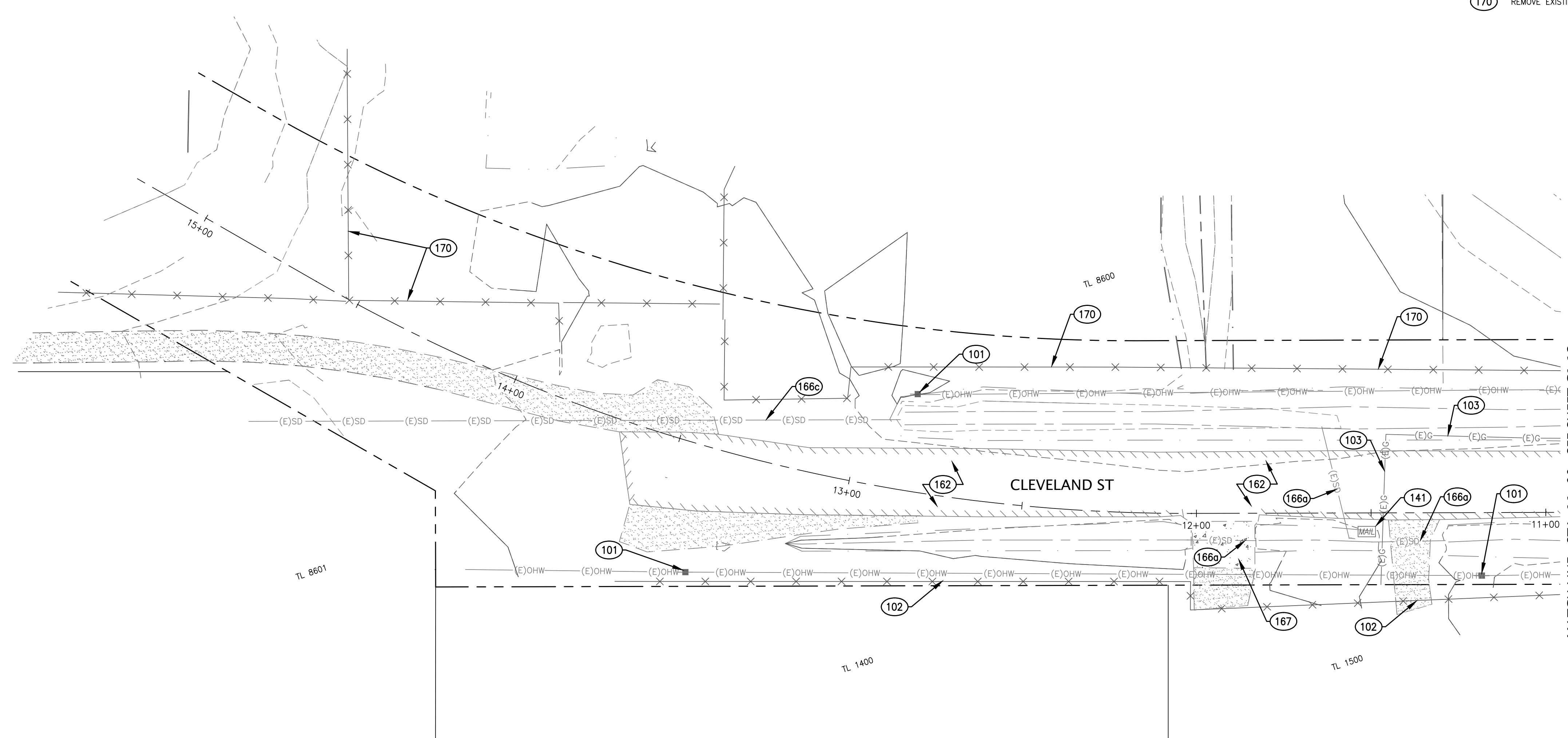
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CONSTRUCTION NOTES:

- 101 PROTECT EXISTING UTILITY POLE.
- 102 PROTECT EXISTING FENCE.
- 103 PROTECT EXISTING UTILITY.
- 141 EXISTING MAILBOX TO BE RELOCATED.
- 162 REMOVE EXISTING AC PAVEMENT. REMOVE EXISTING BASE ROCK AND SUBGRADE AS REQUIRED FOR NEW PAVEMENT SECTION FINISHED GRADE.
- 166a REMOVE EXISTING CULVERT PIPE.
- 166c REMOVE EXISTING 30" CULVERT PIPE.
- 167 REMOVE EXISTING CONCRETE.
- 170 REMOVE EXISTING FENCE.



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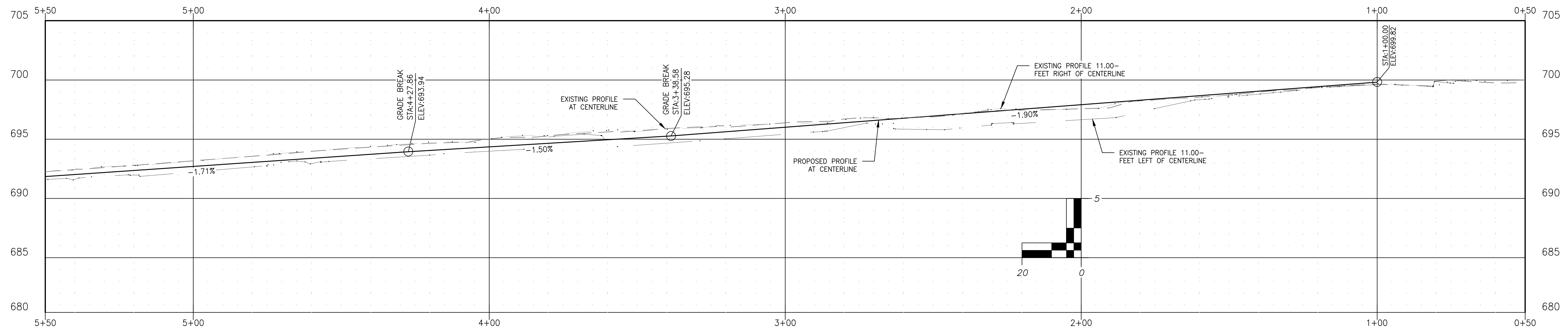
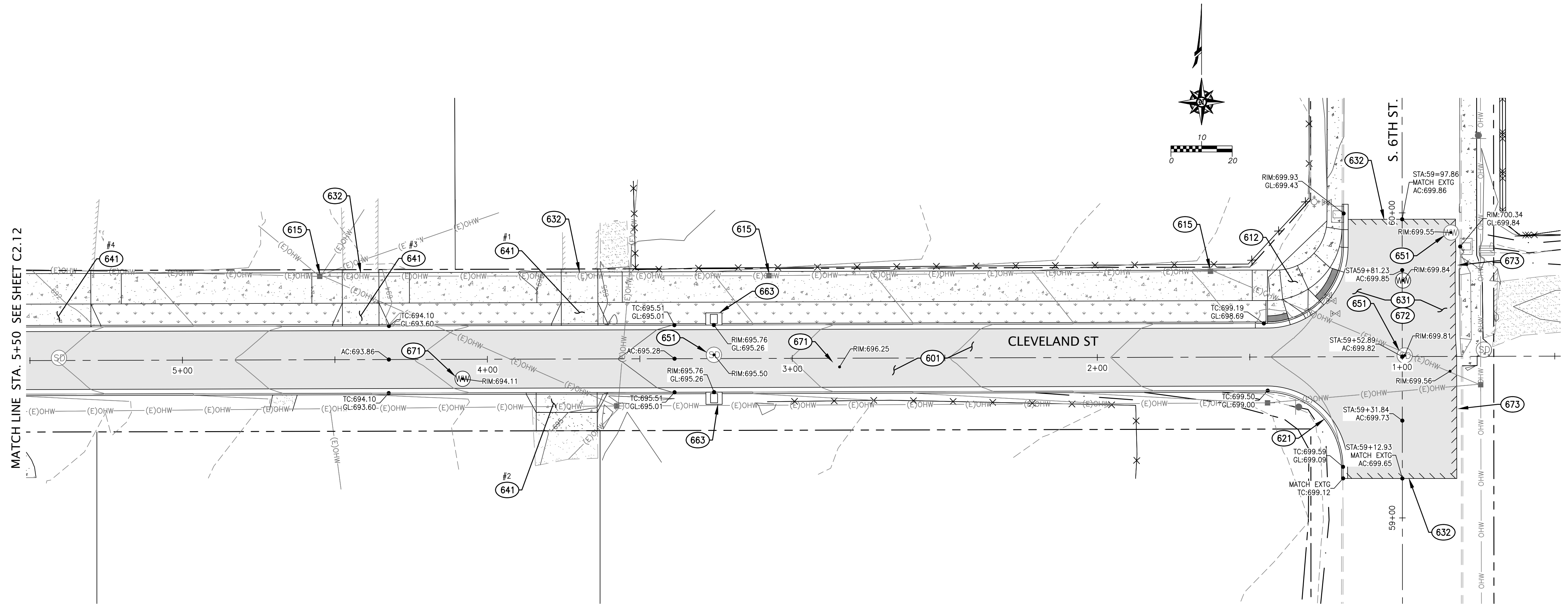
EXISTING CONDITIONS AND DEMO. PLAN
 CLEVELAND ST. STA. 11+00 TO 15+00

Sheet No. **C1.13**

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CONSTRUCTION NOTES:

- 601 CONSTRUCT PAVEMENT SECTION, CURB & GUTTER AND SIDEWALK PER CROSS SECTION 1, SHEET C0.03.
- 612 INSTALL CURB AND RAMP, PER DETAIL 1 SHEET C2.14
- 615 POUR SIDEWALK UP TO AND AROUND EXISTING UTILITY POLES
- 621 CONSTRUCT 6" TALL 24" CURB AND GUTTER OVER 12" OF AGGREGATE PER ODOT STANDARD DRAWING RD700, SHEET C6.02
- 631 PAVEMENT BASE COURSE SHALL BE ASPHALT CONCRETE, 2" LIFT OF LEVEL 2, 1/2" DENSE HMA. WEARING COURSE SHALL BE ASPHALT CONCRETE 2" LIFT OF LEVEL 2, 1/2" DENSE HMA. FOLLOW 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION. COMPACT ALL COURSES TO A MINIMUM OF 91% RICE GRAVITY OR GREATER. OFFSET JOINT OF EACH COURSE OF ASPHALT CONCRETE BY 2 FEET SO JOINTS DO NOT MATCH PER 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 632 SEAL PAVEMENT JOINT. TACK COAT EXISTING PAVEMENT EDGES. THE MATCHLINE TO EXISTING PAVING SHALL COMPLY WITH ODOT STD DWG RD302, SHEET C6.01
- 641 CONSTRUCT DRIVEWAY PER SHEET C2.15. AND ODOT STD DWG RD740, SHEET C6.02
- 651 EXISTING STORM, WASTEWATER OR TELECOM MANHOLE LID TO BE ADJUSTED TO PROPOSED FINISHED GRADE.
- 663 INSTALL CURB INLET PER STORMWATER SEWER PLAN
- 671 NEW 48" SANITARY MANHOLE. PER SANITARY SEWER PLAN
- 672 BASE ROCK SHALL BE 12" MIN. 1"-0" CRUSHED ROCK AGGREGATE. AGGREGATE SHALL BE COMPACTED TO 95% RELATIVE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. FOLLOW 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 673 MATCH EXISTING GRADE ALONG EDGE OF GUTTER PAN.



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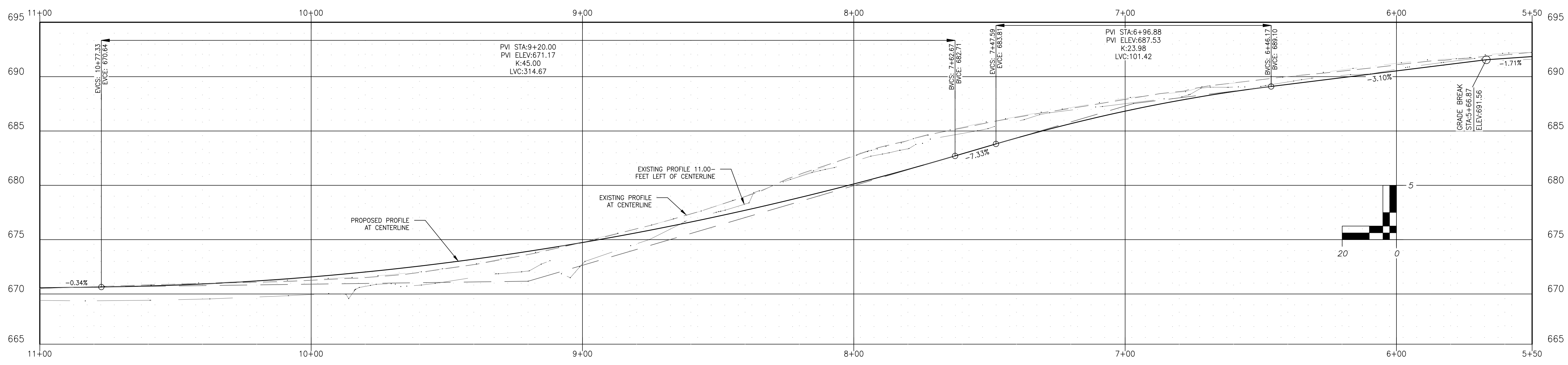
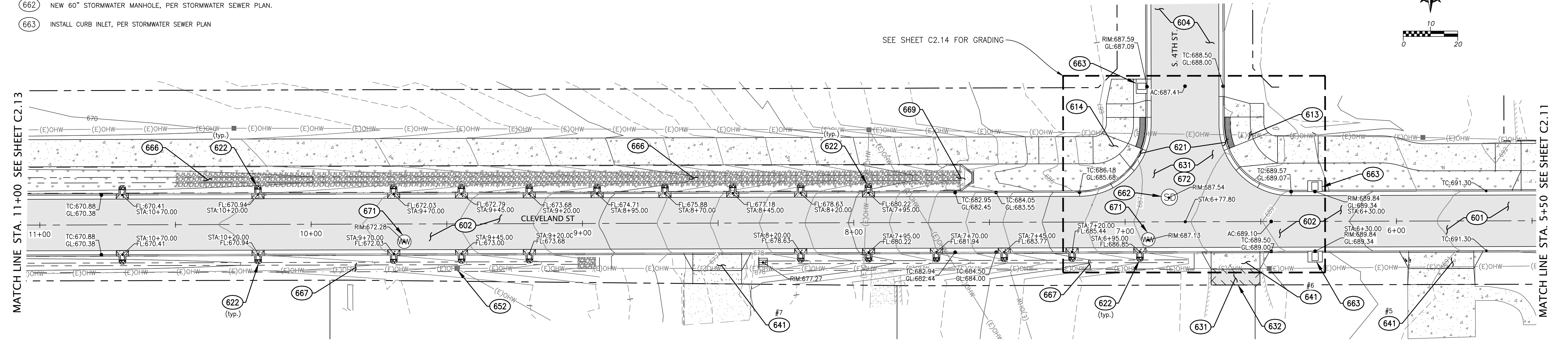
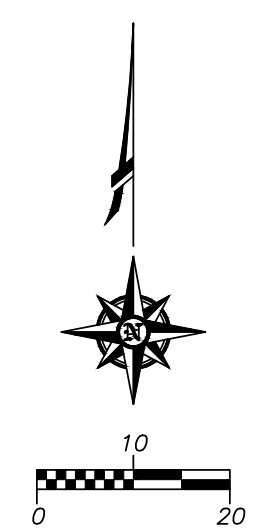
**CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT**

**GRADING PLAN AND PROFILE
CLEVELAND ST. STA. 0+50 TO 5+50
AND 6TH ST.**

Sheet No. C2.11	JOB No. 23-001C
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DATE: 12/12/2024	

CONSTRUCTION NOTES:

- 601 CONSTRUCT PAVEMENT SECTION, CURB & GUTTER AND SIDEWALK PER CROSS SECTION 1, SHEET C0.03.
- 602 CONSTRUCT PAVEMENT SECTION, CURB & GUTTER AND SIDEWALK PER CROSS SECTION 2, SHEET C0.03.
- 604 CONSTRUCT PAVEMENT SECTION, CURB & GUTTER AND SIDEWALK PER CROSS SECTION 4, SHEET C0.03.
- 613 INSTALL CURB AND RAMP, PER DETAIL 2 SHEET C2.14
- 614 INSTALL CURB RAMP, PER DETAIL 3, SHEET C2.14
- 622 INSTALL CURB CUT, PER DETAIL 1, SHEET C6.03
- 631 PAVEMENT BASE COURSE SHALL BE ASPHALT CONCRETE, 2" LIFT OF LEVEL 2, 1/2" DENSE HMAC. WEARING COURSE SHALL BE ASPHALT CONCRETE 2" LIFT OF LEVEL 2, 1/2" DENSE HMAC. FOLLOW 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION. COMPACT ALL COURSES TO A MINIMUM OF 91% RICE GRAVITY OR GREATER. OFFSET JOINT OF EACH COURSE OF ASPHALT CONCRETE BY 2 FEET SO JOINTS DO NOT MATCH PER 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 632 SEAL PAVEMENT JOINT. TACK COAT EXISTING PAVEMENT EDGES. THE MATCHLINE TO EXISTING PAVING SHALL COMPLY WITH ODOT STD DWG RD302, SHEET C6.01
- 641 CONSTRUCT DRIVEWAY PER SHEET C2.15. AND ODOT STD DWG RD740, SHEET C6.02
- 652 VERIFY WITH UTILITY POLE OWNER FOR GRADING DITCH AROUND POLE.
- 662 NEW 60" STORMWATER MANHOLE, PER STORMWATER SEWER PLAN.
- 663 INSTALL CURB INLET, PER STORMWATER SEWER PLAN
- 666 FOR ABOVE GROUND STORMWATER FACILITIES SEE STORMWATER DETAILS, SHEET C3.92
- 667 INSTALL 6-FOOT WIDE DITCH WITH 3:1 SIDE SLOPES WITH A 2-FOOT WIDE BOTTOM ALONG ROAD IMPROVEMENTS, PER PLAN.
- 669 INSTALL PRECAST 30" HEADWALL OVER 18" OF 3/4"-0 COMPACTED TO 95% MODIFIED PROTECTOR, PER STORMWATER SEWER PLAN.
- 671 NEW 48" SANITARY MANHOLE, PER SANITARY SEWER PLAN
- 672 BASE ROCK SHALL BE 12" MIN. 1"-0" CRUSHED ROCK AGGREGATE. AGGREGATE SHALL BE COMPACTED TO 95% RELATIVE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. FOLLOW 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.



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No.	DESCRIPTION	DATE

**CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT**

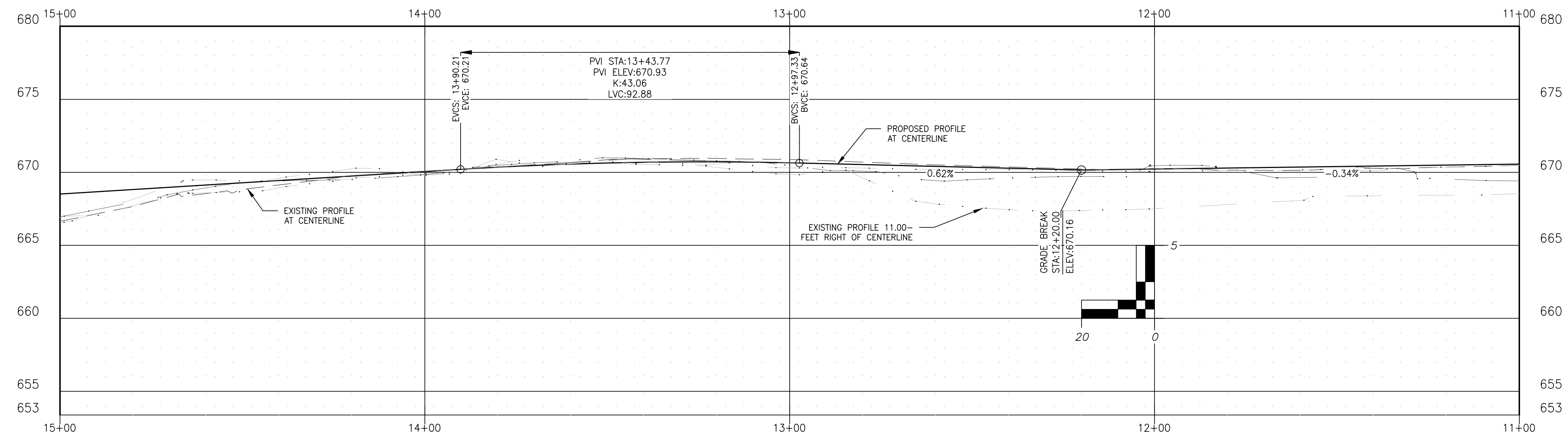
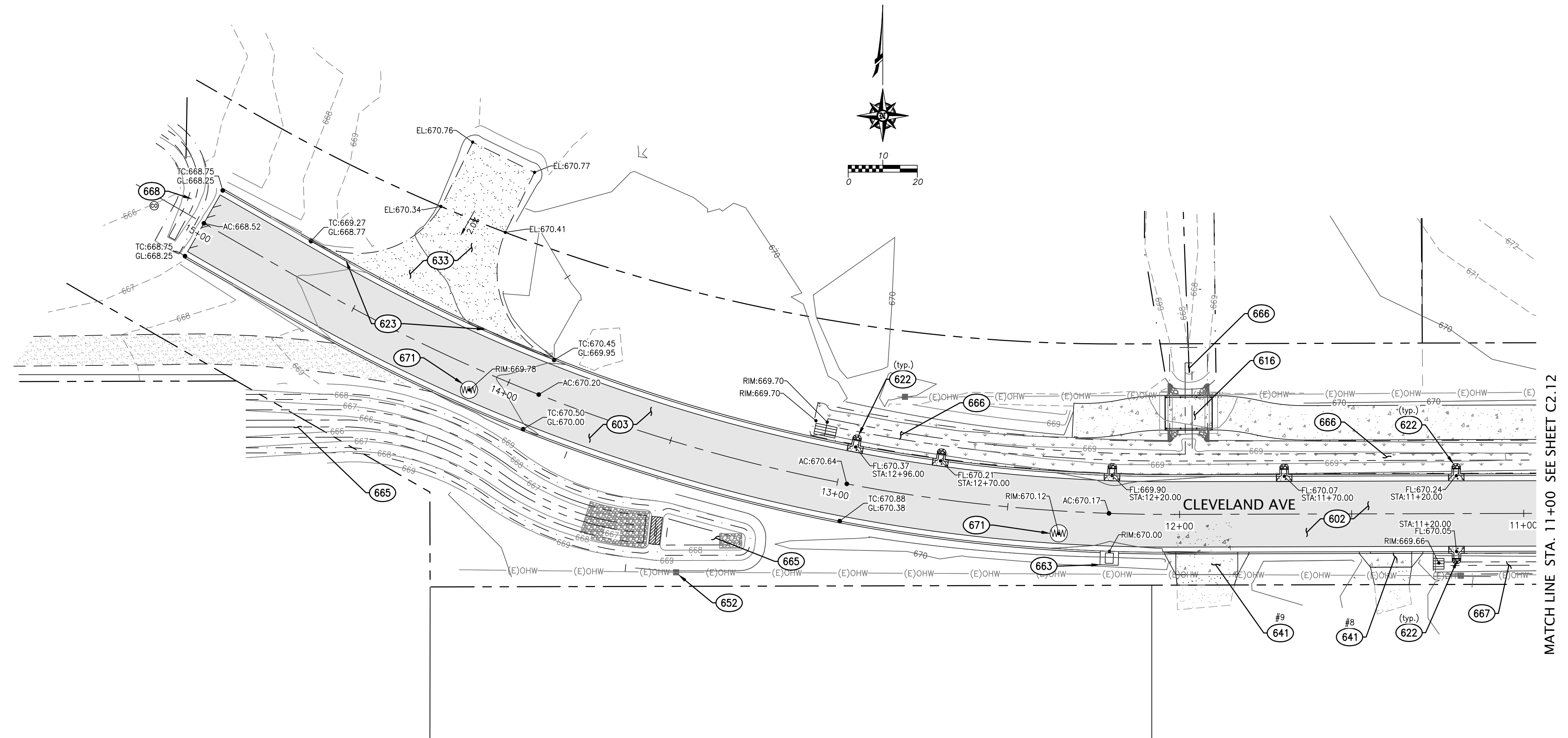
GRADING PLAN AND PROFILE
CLEVELAND ST. STA. 5+50 TO 11+00

Sheet No.
C2.12

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CONSTRUCTION NOTES:

- 602 CONSTRUCT PAVEMENT SECTION, CURB & GUTTER AND SIDEWALK PER CROSS SECTION 2, SHEET C0.03.
- 604 CONSTRUCT PAVEMENT SECTION, CURB & GUTTER AND SIDEWALK PER CROSS SECTION 4, SHEET C0.03.
- 616 CONSTRUCT MULTI USE FOOT BRIDGE. SEE SHEET S1
- 622 INSTALL CURB CUT. PER DETAIL 1, SHEET C6.03
- 623 CONSTRUCT 6" TALL 24" MOUNTABLE CURB AND GUTTER OVER 12" OF AGGREGATE PER ODOT STD DWG RD 700, SHEET C6.02.
- 633 12" OF 3/4"-0 GRAVEL COMPACTED TO 95%.
- 641 CONSTRUCT DRIVEWAY PER SHEET C2.15. AND ODOT STD DWG RD740, SHEET C6.02
- 652 VERIFY WITH UTILITY POLE OWNER FOR GRADING DITCH AROUND POLE.
- 663 INSTALL CURB INLET PER STORMWATER SEWER PLAN
- 665 FOR ABOVE GROUND STORMWATER FACILITIES SEE STORMWATER DETAILS, SHEET C3.91
- 666 FOR ABOVE GROUND STORMWATER FACILITIES SEE STORMWATER DETAILS, SHEET C3.92
- 667 INSTALL 6-FOOT WIDE DITCH WITH 3:1 SIDE SLOPES WITH A 2-FOOT WIDE BOTTOM ALONG ROAD IMPROVEMENTS, PER PLAN.
- 668 INSTALL 8-FOOT WIDE DITCH WITH 3:1 SIDE SLOPES WITH A 2-FOOT WIDE BOTTOM AT END OF ROAD IMPROVEMENTS SLOPING TOWARD EXISTING CHANNEL TO THE NORTH



MATCH LINE STA. 11+00 SEE SHEET C2.12

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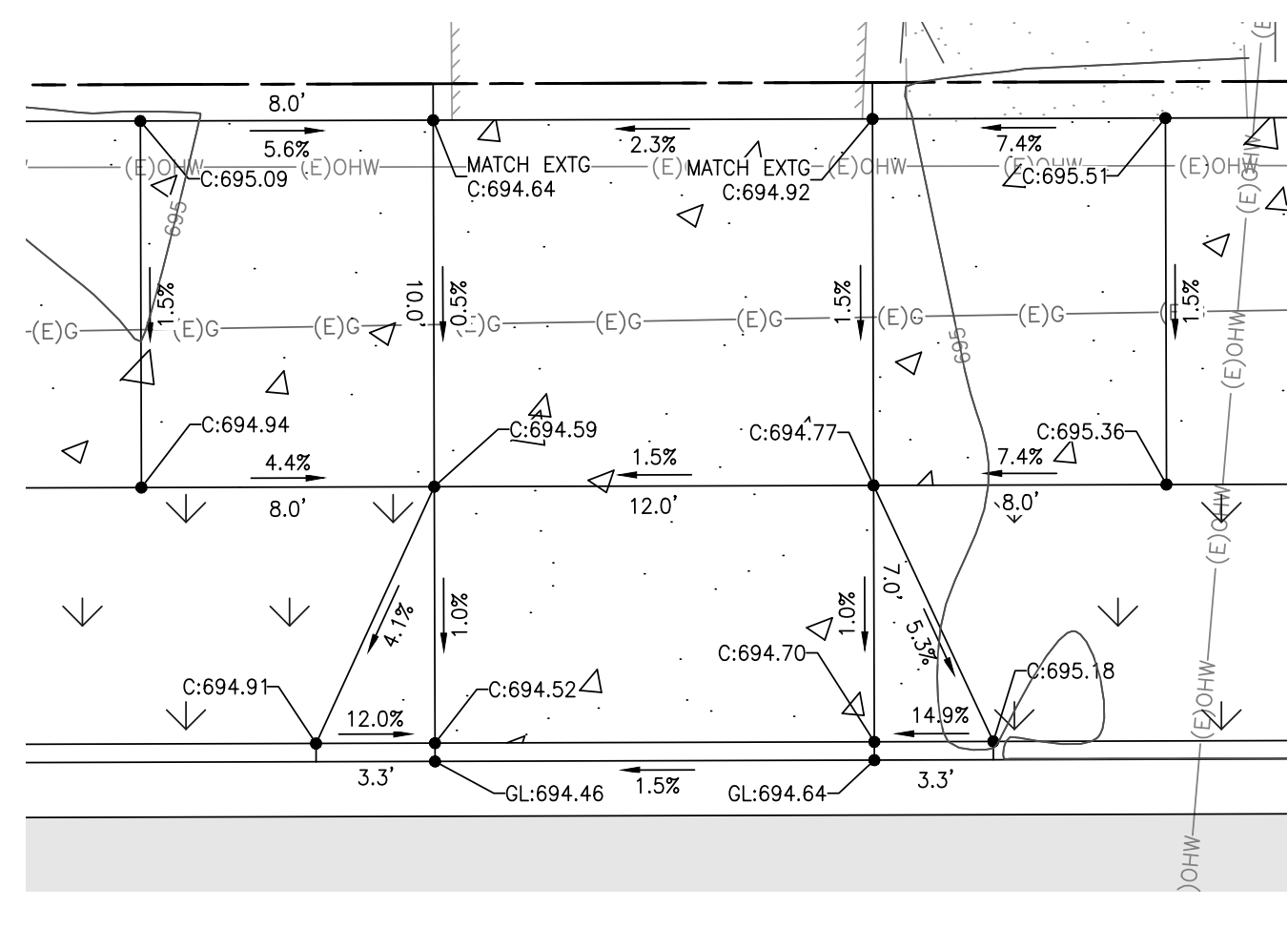
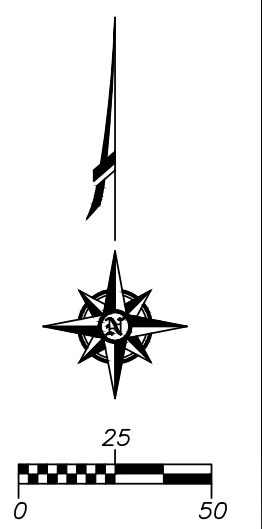
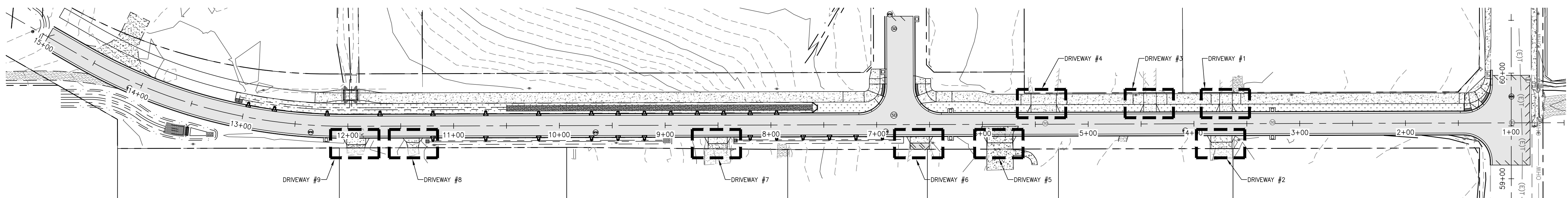
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CLEVELAND ST. STA. 11+00 TO 15+00

Sheet No. **C2.13**

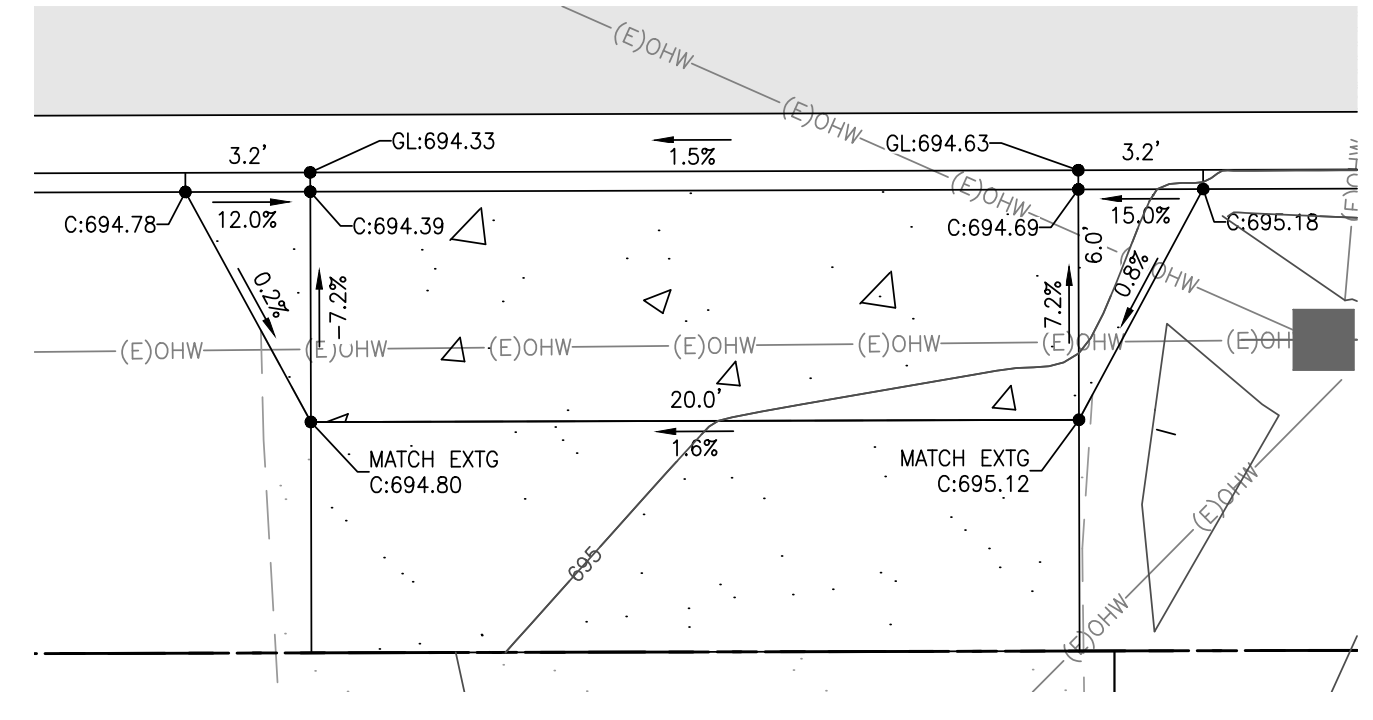
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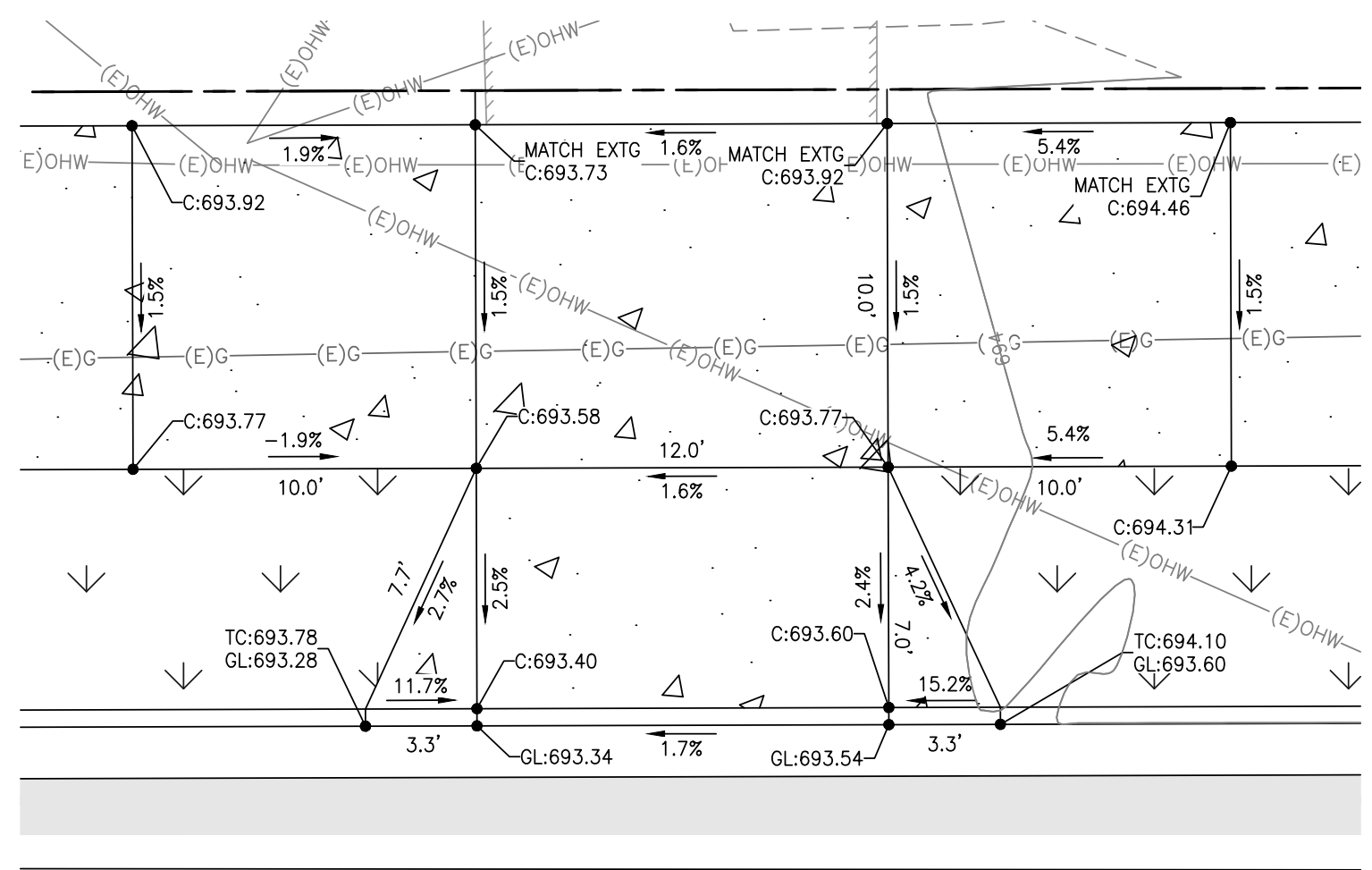
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DRIVEWAY #1 STA 3+69.7



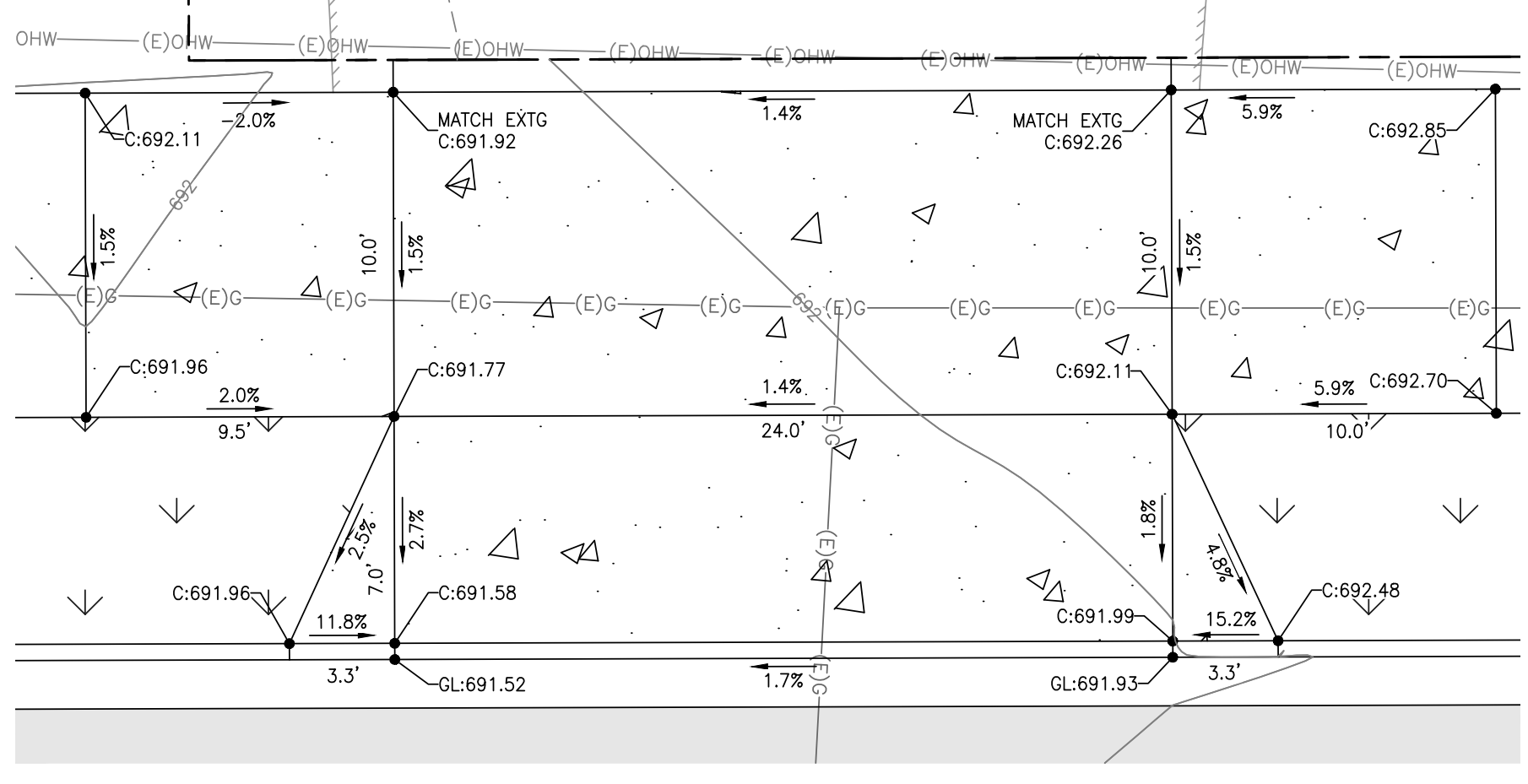
DRIVEWAY #2 STA 3+74.0



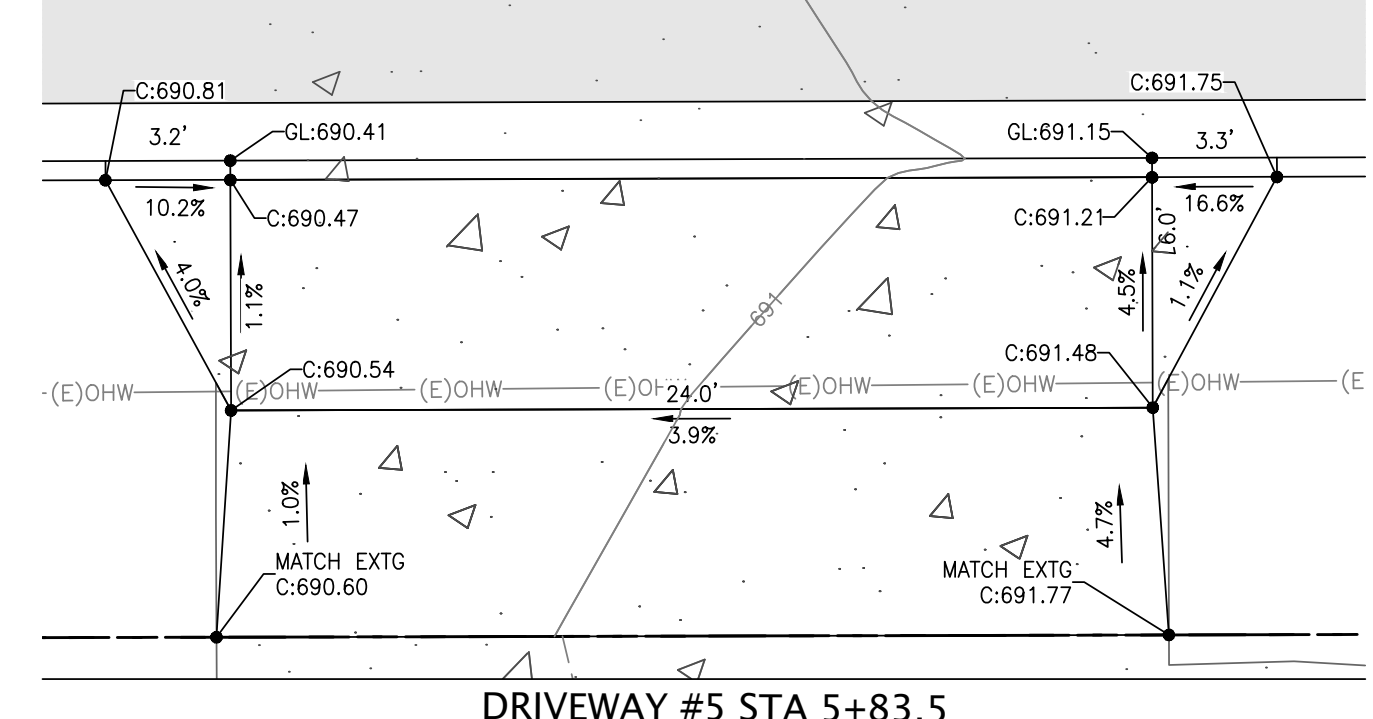
DRIVEWAY #3 STA 5+41.5

LEGEND

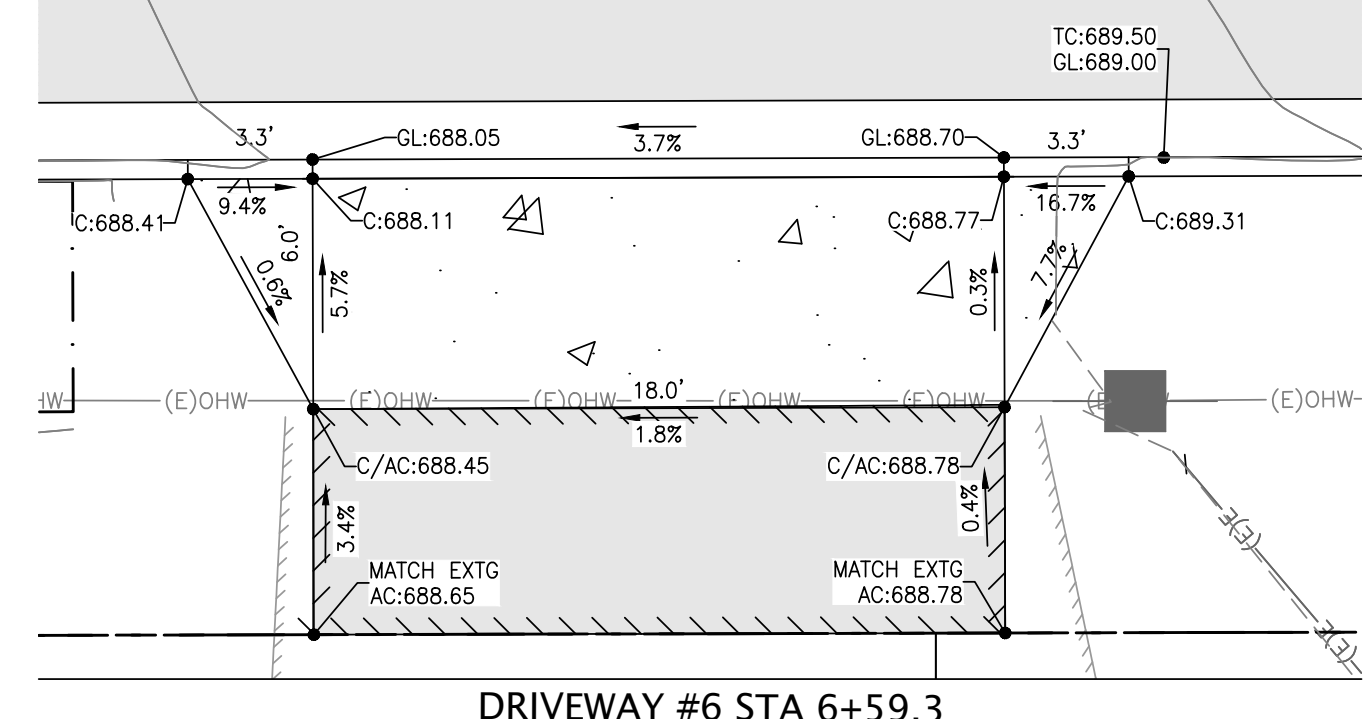
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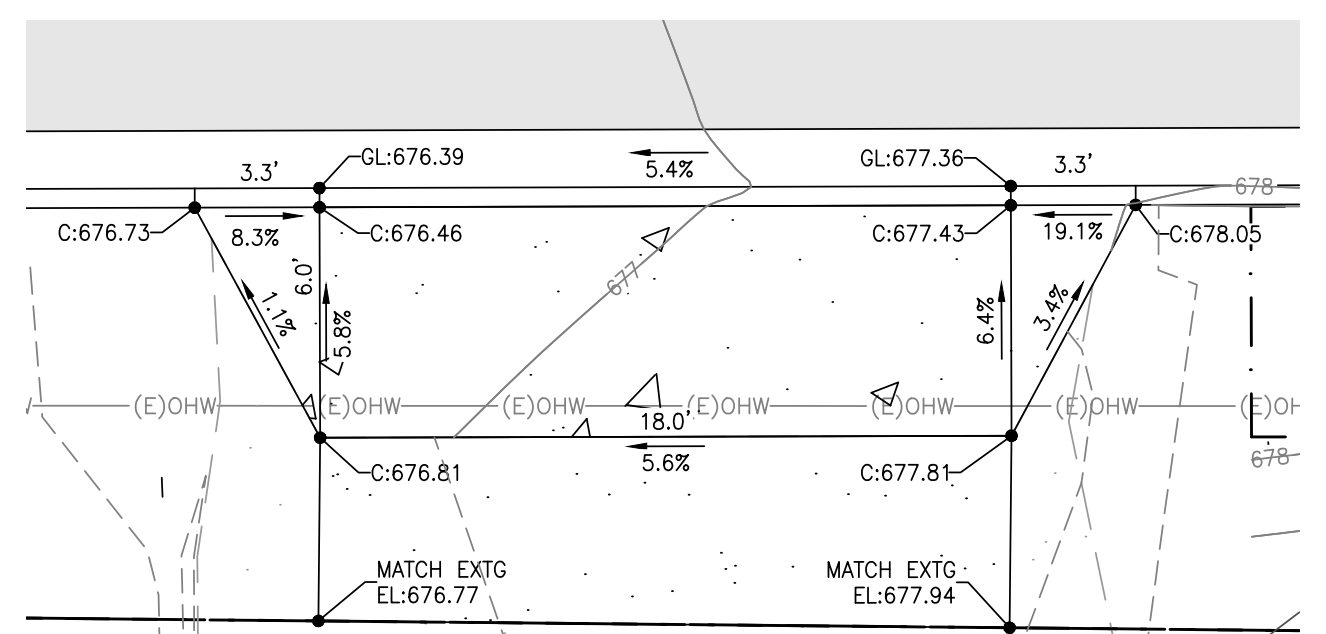
DRIVEWAY #4 STA 5+41.9



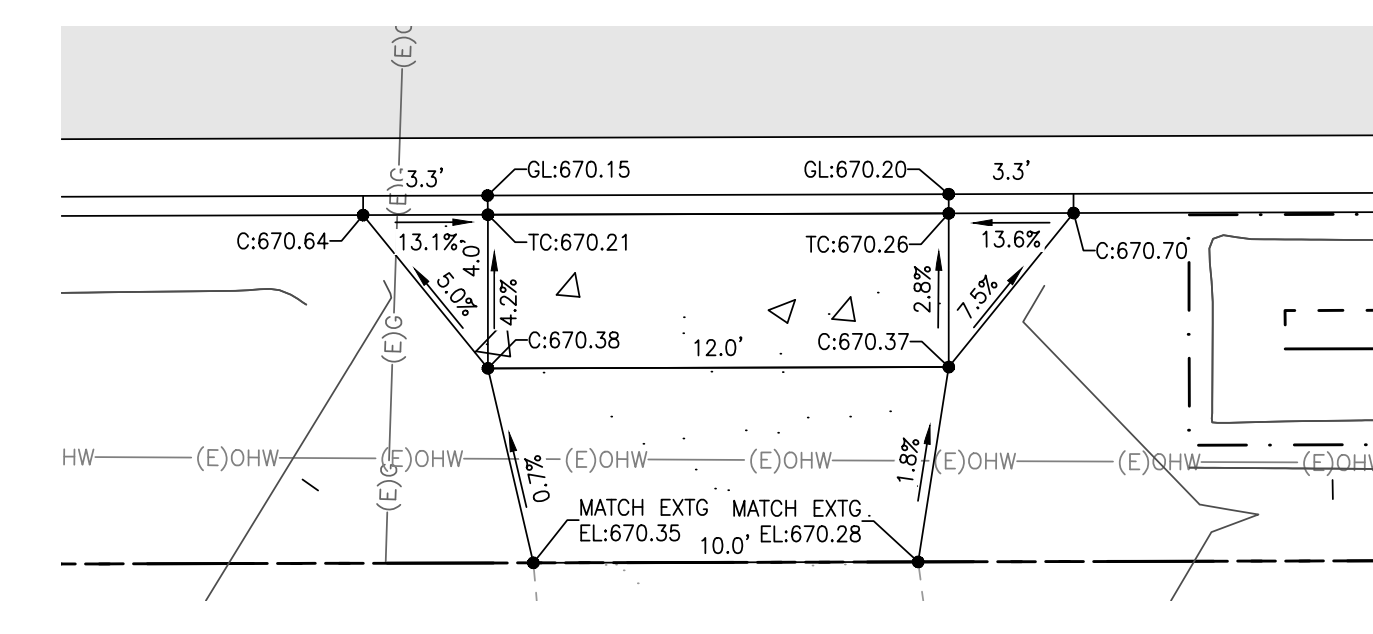
DRIVEWAY #5 STA 5+83.5



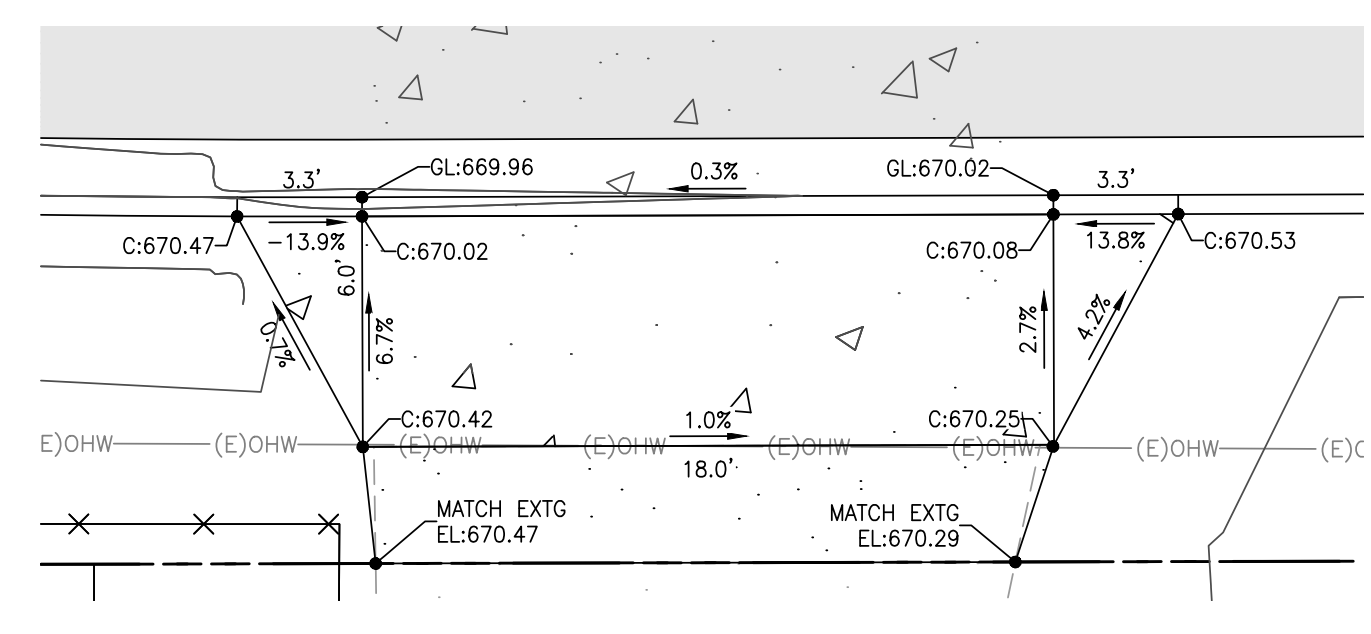
DRIVEWAY #6 STA 6+59.3



DRIVEWAY #7 STA 8+53.5



DRIVEWAY #8 STA 11+38.6



DRIVEWAY #9 STA 11+92.1

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CLEVELAND STREET DRIVEWAY APRON GRADING PLAN

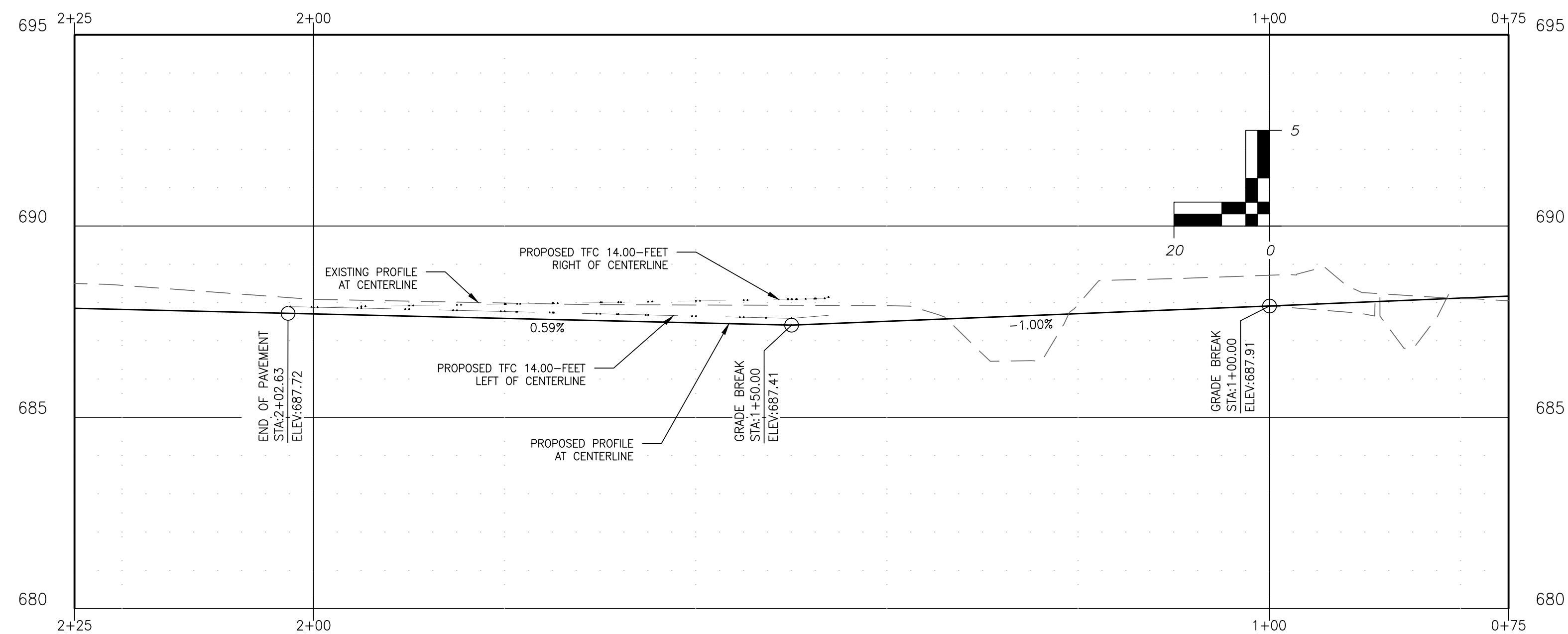
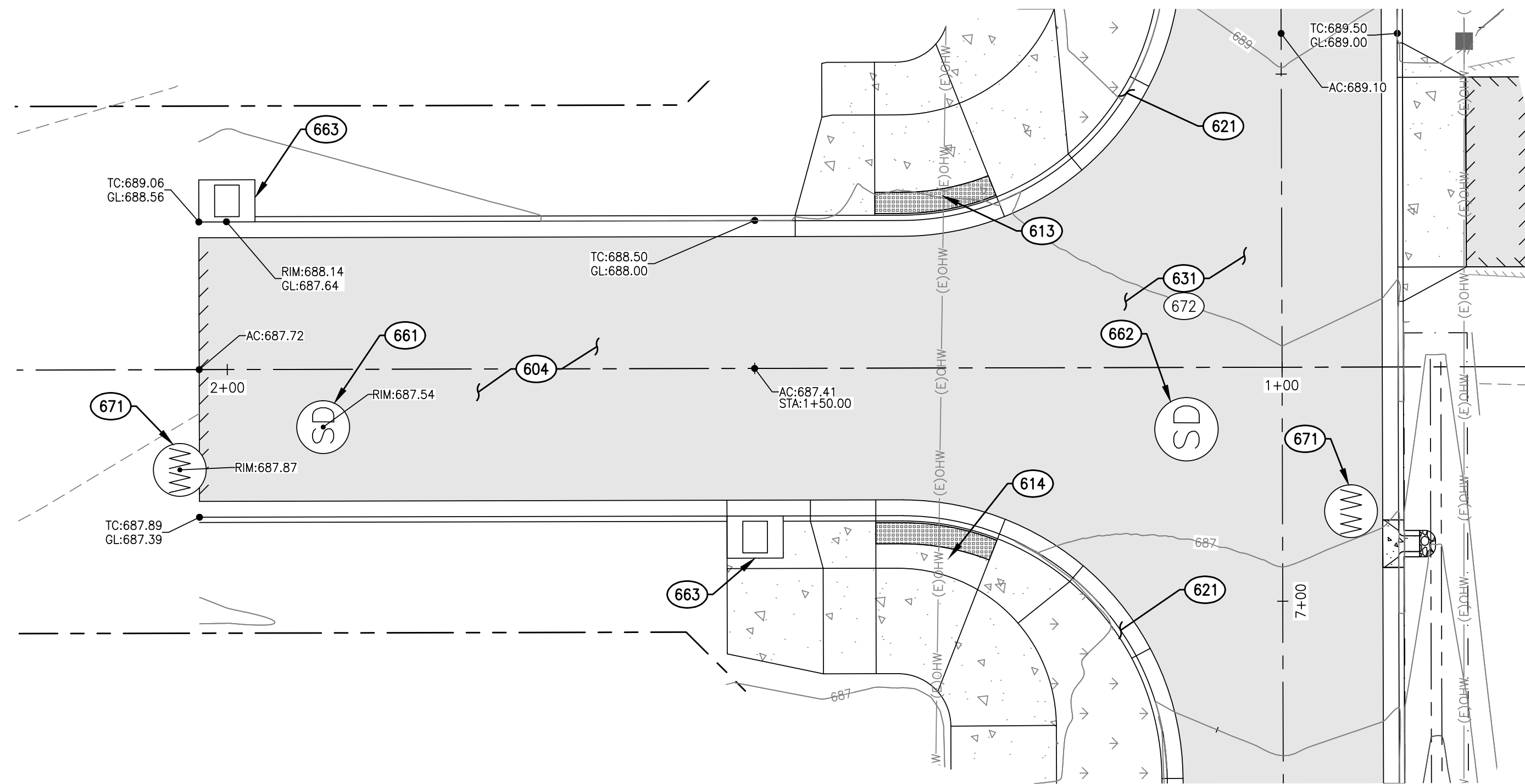
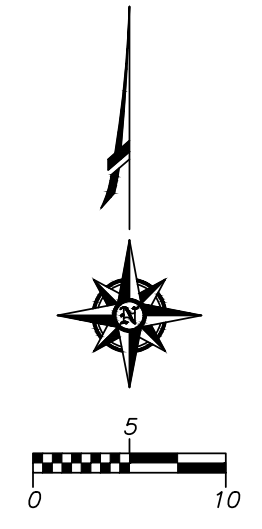
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CONSTRUCTION NOTES:

- 604 CONSTRUCT PAVEMENT SECTION, CURB & GUTTER AND SIDEWALK PER CROSS SECTION 4, SHEET C0.03.
- 613 INSTALL CURB AND RAMP, PER DETAIL 2 SHEET C2.14
- 614 INSTALL CURB RAMP, PER DETAIL 3, SHEET C2.14
- 621 CONSTRUCT 6" TALL 24" CURB AND GUTTER OVER 12" OF AGGREGATE PER ODOT STANDARD DRAWING RD700, SHEET C6.02
- 631 PAVEMENT BASE COURSE SHALL BE ASPHALT CONCRETE, 2" LIFT OF LEVEL 2, 1/2" DENSE HMAC. WEARING COURSE SHALL BE ASPHALT CONCRETE 2" LIFT OF LEVEL 2, 1/2" DENSE HMAC. FOLLOW 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION. COMPACT ALL COURSES TO A MINIMUM OF 91% RICE GRAVITY OR GREATER. OFFSET JOINT OF EACH COURSE OF ASPHALT CONCRETE BY 2 FEET SO JOINTS DO NOT MATCH PER 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 661 NEW 48" STORMWATER MANHOLE, PER STORMWATER SEWER PLAN.
- 662 NEW 60" STORMWATER MANHOLE, PER STORMWATER SEWER PLAN.
- 663 INSTALL CURB INLET, PER STORMWATER SEWER PLAN.
- 671 NEW 48" SANITARY MANHOLE, PER STORMWATER SEWER PLAN.
- 672 BASE ROCK SHALL BE 12" MIN. 1"-0" CRUSHED ROCK AGGREGATE. AGGREGATE SHALL BE COMPACTED TO 95% RELATIVE MAXIMUM DENSITY AS DETERMINED BY ASHTO T-180. FOLLOW 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.



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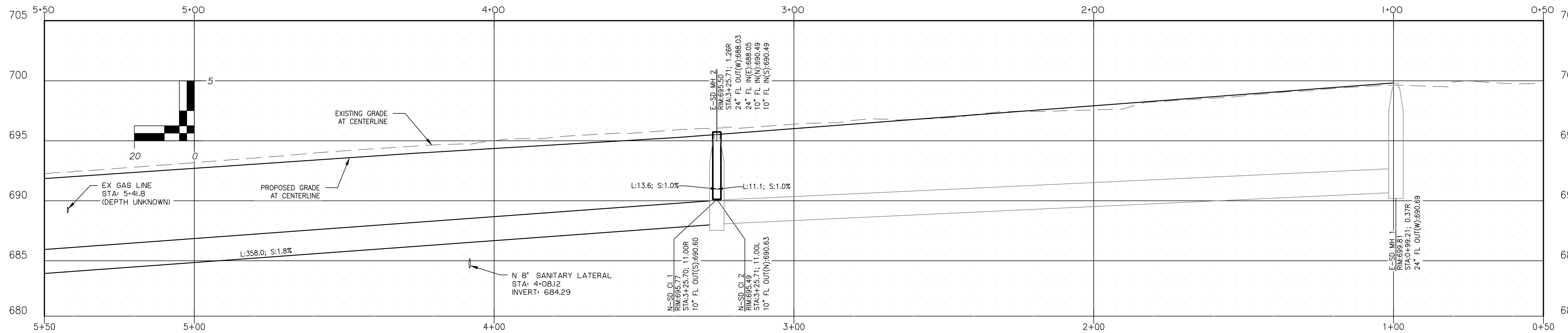
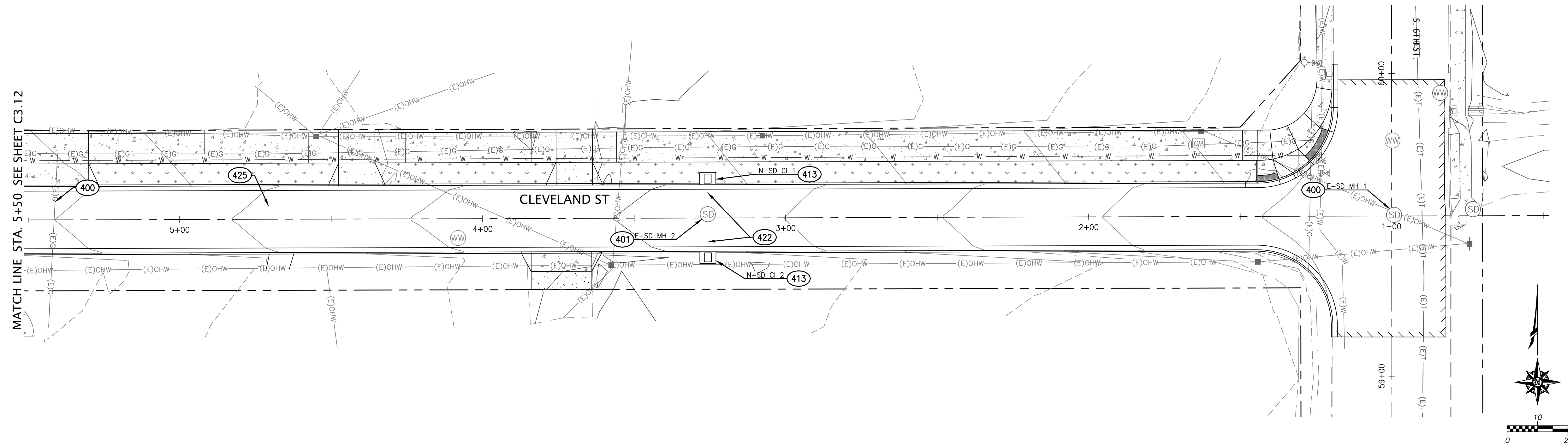


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CLEVELAND STREET CAPITAL IMPROVEMENT PROJECT		
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DRAWN BY: JAD/JRW	CHECKED BY:	DATE: 12/12/2024
		JOB No. 23-001C

CONSTRUCTION NOTES:

- 400 POTHOLE EXISTING UTILITY LINE AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES. COORDINATE WITH UTILITY COMPANY IF ADJUSTMENTS ARE REQUIRED.
- 401 CONNECT PROPOSED PIPES INTO EXISTING MANHOLE. ENGINEER TO INSPECT FLOWLINE LOCATIONS PRIOR TO CORE DRILLING.
- 402 EXISTING STORM DRAIN MANHOLE TO BE ADJUSTED TO PROPOSED FINISHED GRADE.
- 413 FURNISH AND INSTALL STANDARD CURB INLET PER ODOT STANDARD DRAWING RD372, C6.06.
- 422 FURNISH AND INSTALL 10" PVC D3034 STORM LINE. USE CLASS B BACKFILL, PER ODOT STANDARD DRAWING RD300, SHEET C6.01
- 425 FURNISH AND INSTALL 24" PVC D3034 STORM LINE. USE CLASS B BACKFILL, PER ODOT STANDARD DRAWING RD300, SHEET C6.01



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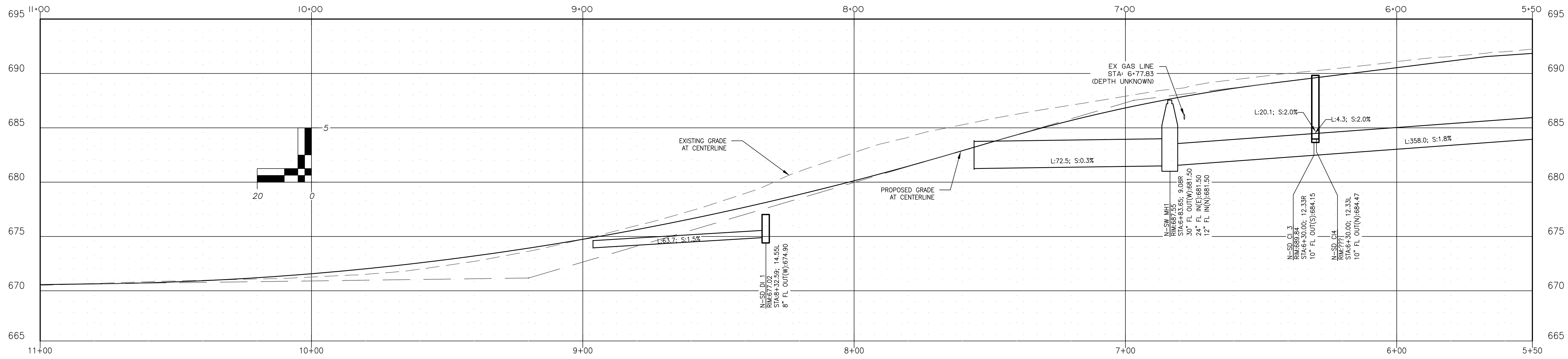
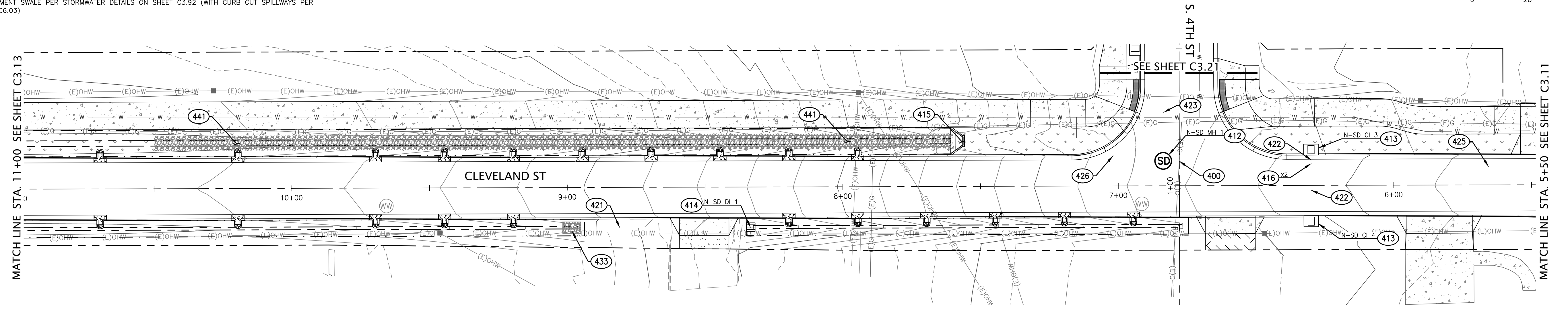
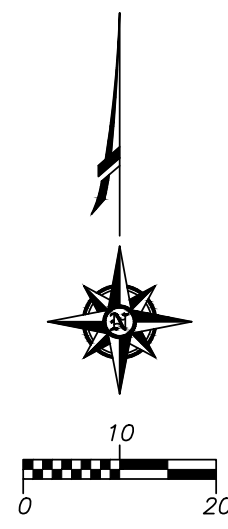
STORMWATER DRAINAGE
 CLEVELAND ST. STA. 0+50 TO 5+50
 AND 6TH ST.

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Sheet No.
C3.11
JOB No. 23-001C

CONSTRUCTION NOTES:

- 400 POT HOLE EXISTING UTILITY LINE AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES. COORDINATE WITH UTILITY COMPANY IF ADJUSTMENTS ARE REQUIRED.
- 412 FURNISH AND INSTALL 60" STORM MANHOLE PER ODOT STANDARD DRAWING RD335, SHEET C6.01
- 413 FURNISH AND INSTALL STANDARD CURB INLET PER ODOT STANDARD DRAWING RD372, C6.06.
- 414 FURNISH AND INSTALL DITCH INLET PER ODOT STANDARD DRAWING RD 370, SHEET C6.06
- 415 INSTALL CONCRETE HEADWALL PER DETAILS 2 AND 3 ON SHEET C6.03 OR ENGINEER APPROVED ALTERNATIVE
- 416 CONNECT 10" STORMWATER PIPES DIRECTLY INTO 24" STORMWATER PIPE
- 421 FURNISH AND INSTALL 8" PVC D3034 STORM LINE. USE CLASS B BACKFILL, PER ODOT STANDARD DRAWING RD300, SHEET C6.01
- 422 FURNISH AND INSTALL 10" PVC D3034 STORM LINE. USE CLASS B BACKFILL, PER ODOT STANDARD DRAWING RD300, SHEET C6.01
- 423 FURNISH AND INSTALL 12" PVC D3034 STORM LINE. USE CLASS B BACKFILL, PER ODOT STANDARD DRAWING RD300, SHEET C6.01
- 425 FURNISH AND INSTALL 24" PVC D3034 STORM LINE. USE CLASS B BACKFILL, PER ODOT STANDARD DRAWING RD300, SHEET C6.01
- 426 FURNISH AND INSTALL 30" PVC D3034 STORM LINE. USE CLASS B BACKFILL, PER ODOT STANDARD DRAWING RD300, SHEET C6.01
- 433 INSTALL CLASS 50 RIPRAP OUTFALL PROTECTION. DIMENSIONS SHALL BE 12" DEEP x 4' WIDE x 4' LONG. INSTALL FABRIC UNDER RIPRAP
- 441 CONSTRUCT TREATMENT SWALE PER STORMWATER DETAILS ON SHEET C3.92 (WITH CURB CUT SPILLWAYS PER DETAIL 1, SHEET C6.03)



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STORMWATER DRAINAGE
CLEVELAND ST. STA. 5+50 TO 11+00

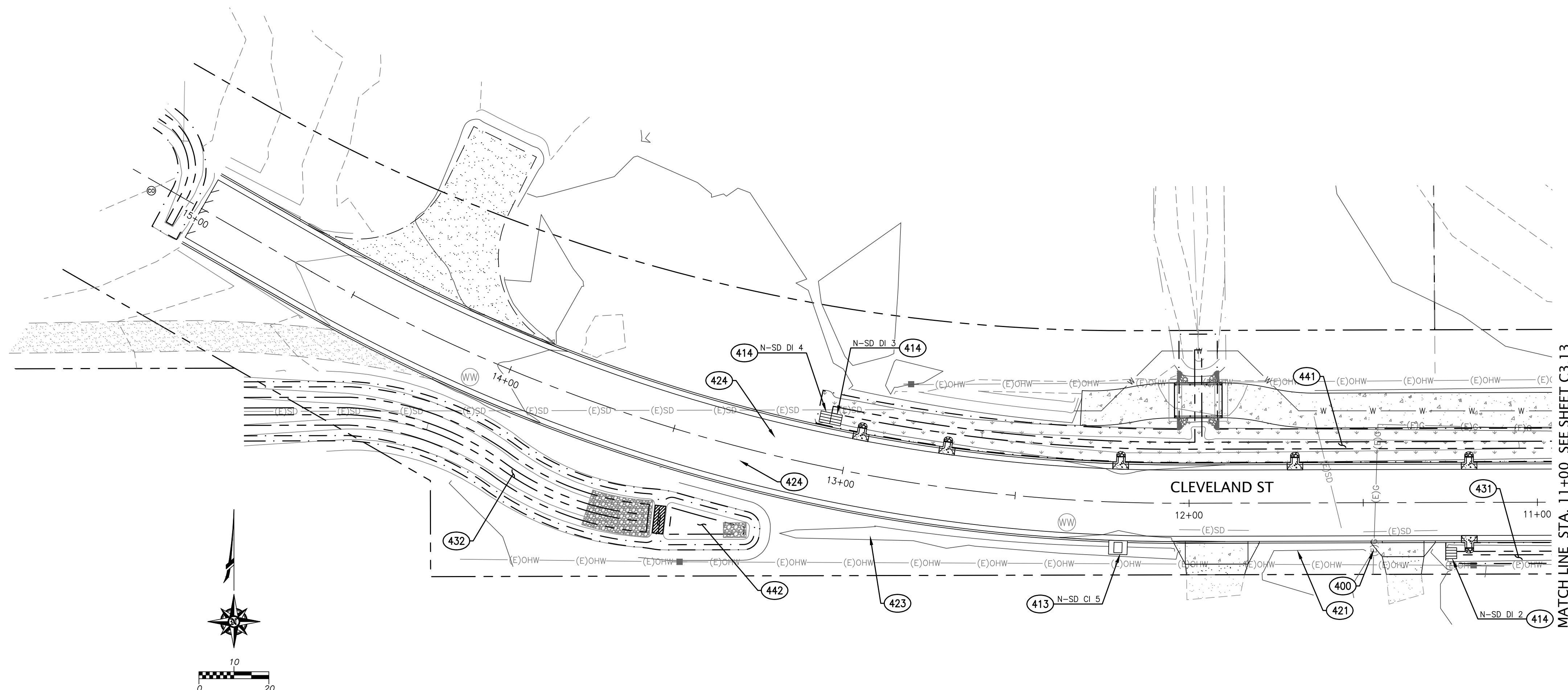
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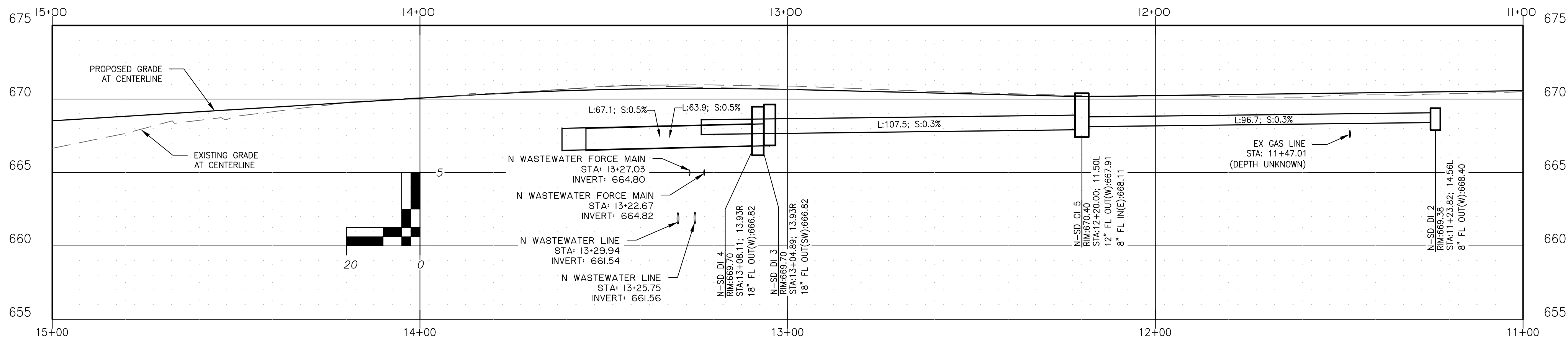
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CONSTRUCTION NOTES:

- 400 POT HOLE EXISTING UTILITY LINE AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES. COORDINATE WITH UTILITY COMPANY IF ADJUSTMENTS ARE REQUIRED.
- 413 FURNISH AND INSTALL STANDARD CURB INLET PER ODOT STANDARD DRAWING RD372, C6.06.
- 414 FURNISH AND INSTALL DITCH INLET PER ODOT STANDARD DRAWING RD 370, SHEET C6.06
- 421 FURNISH AND INSTALL 8" PVC D3034 STORM LINE. USE CLASS B BACKFILL, PER ODOT STANDARD DRAWING RD300, SHEET C6.01
- 424 FURNISH AND INSTALL 18" PVC D3034 STORM LINE. USE CLASS B BACKFILL, PER ODOT STANDARD DRAWING RD300, SHEET C6.01
- 432 CONSTRUCT NEW CONVEYANCE CHANNEL PER STORMWATER DETAILS ON SHEET C3.91
- 441 CONSTRUCT TREATMENT SWALE PER STORMWATER DETAILS ON SHEET C3.92 (WITH CURB CUT SPILLWAYS PER DETAIL 1, SHEET C6.03)
- 442 CONSTRUCT INFILTRATION RAIN GARDEN PER STORMWATER DETAILS ON SHEET C3.91



MATCH LINE STA. 11+00 SEE SHEET C3.13



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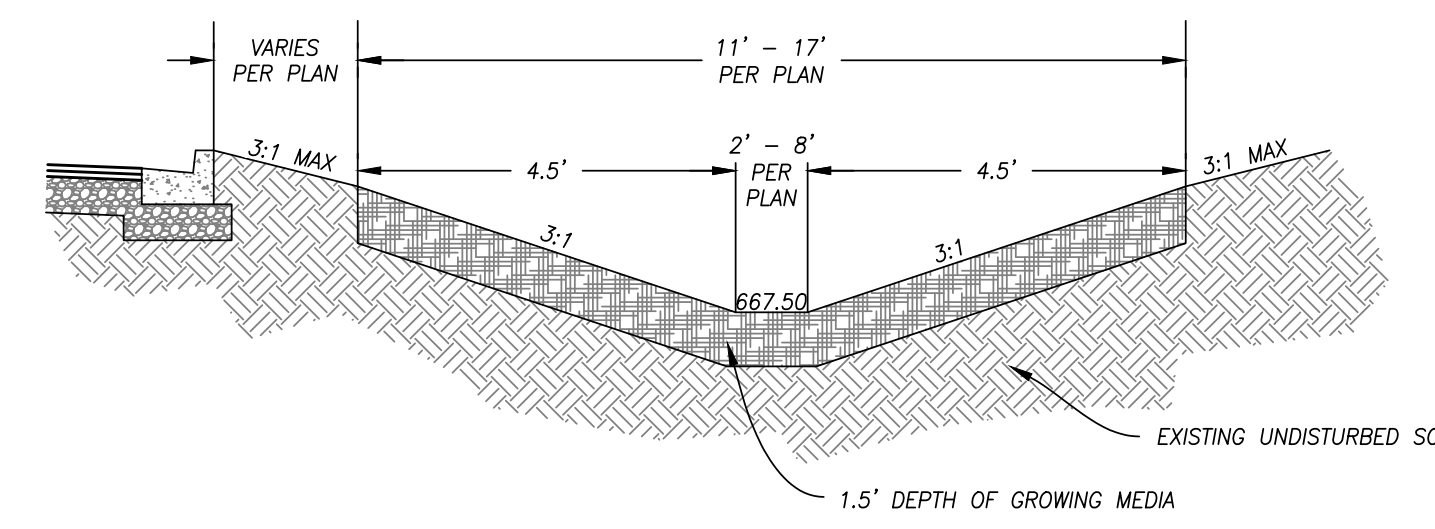
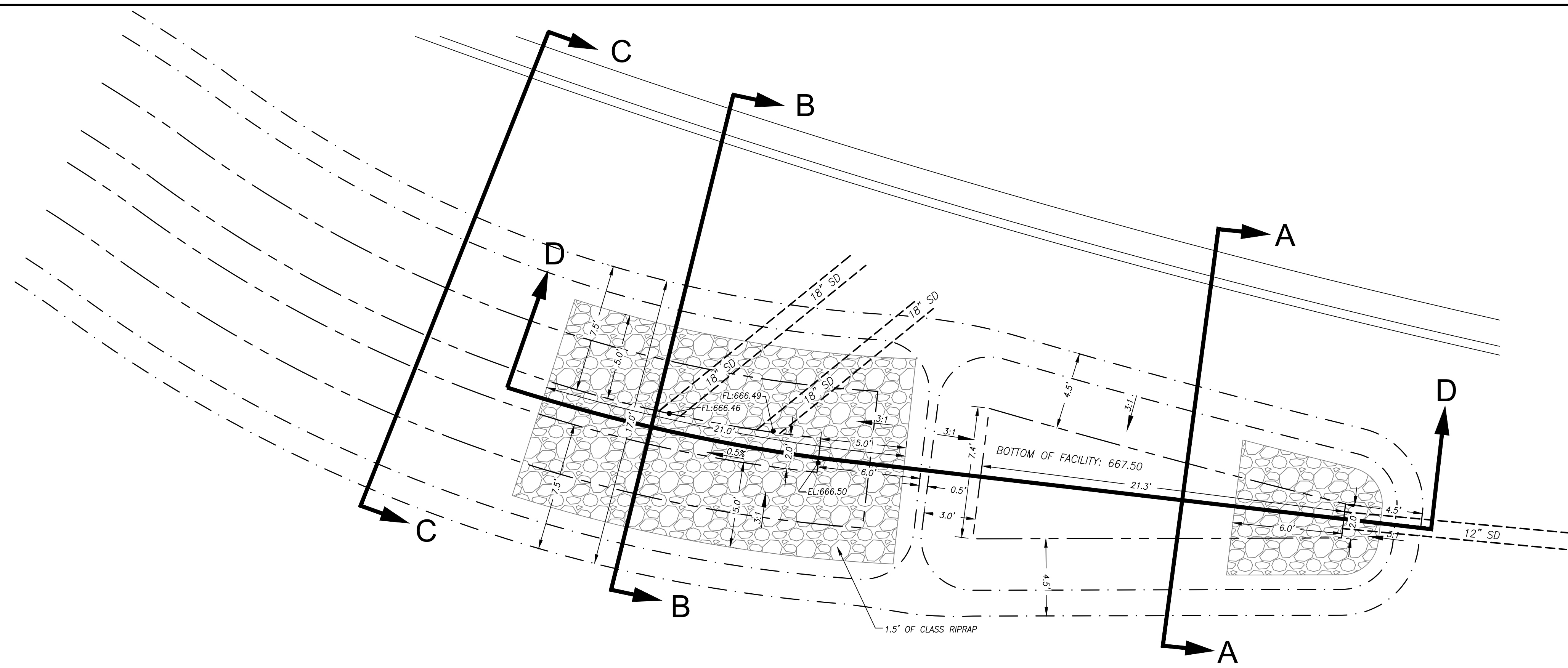
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STORMWATER DRAINAGE
CLEVELAND ST. STA. 11+00 TO 15+00

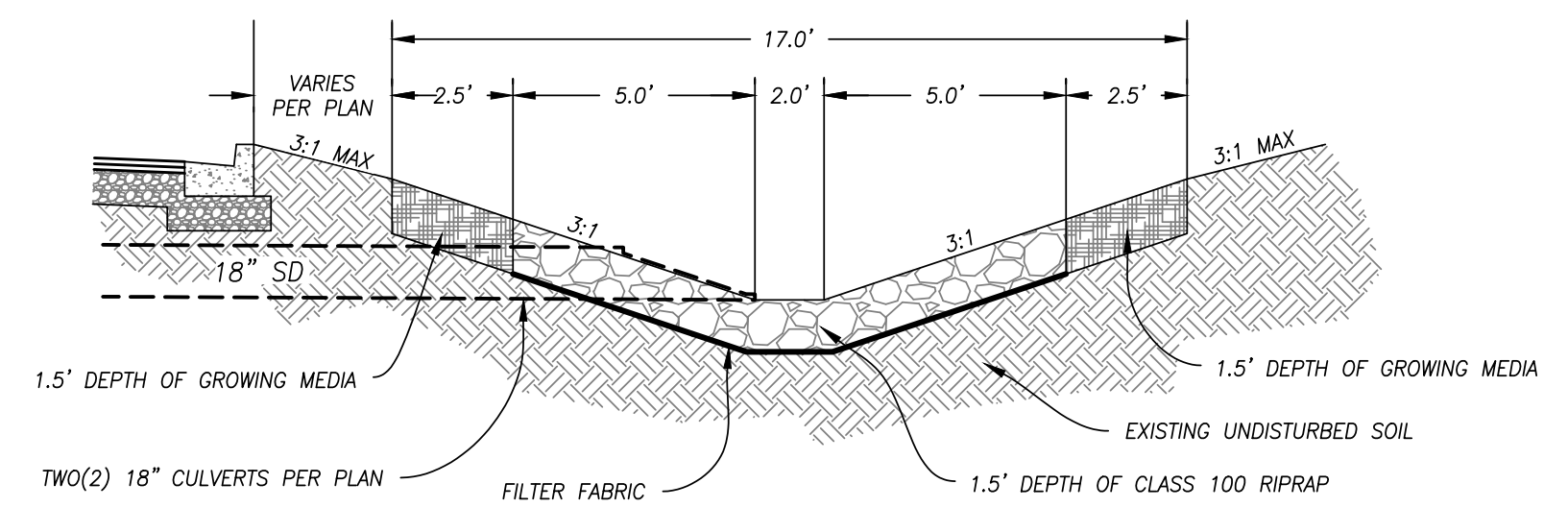
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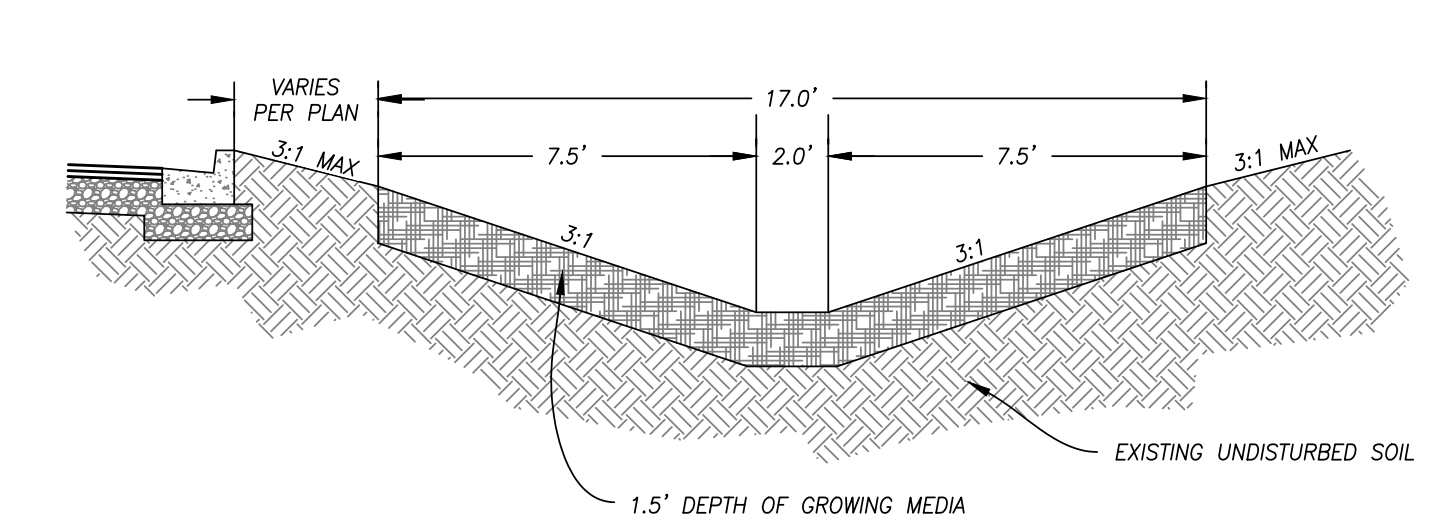
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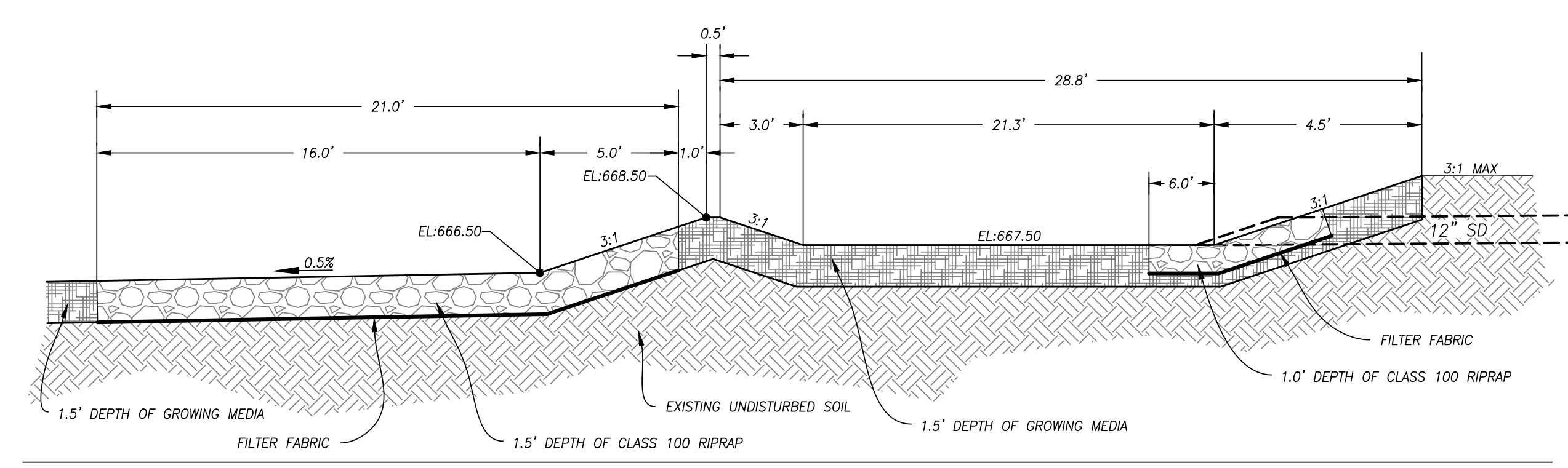
A-A NTS



B-B NTS



C-C NTS



D-D NTS

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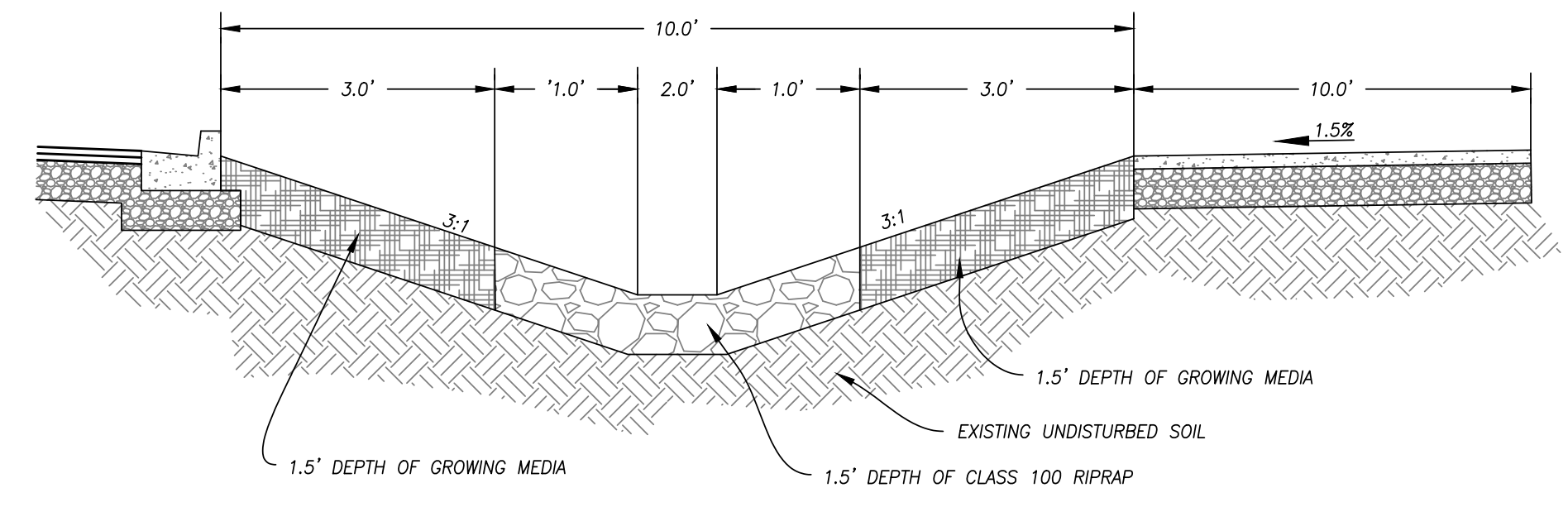
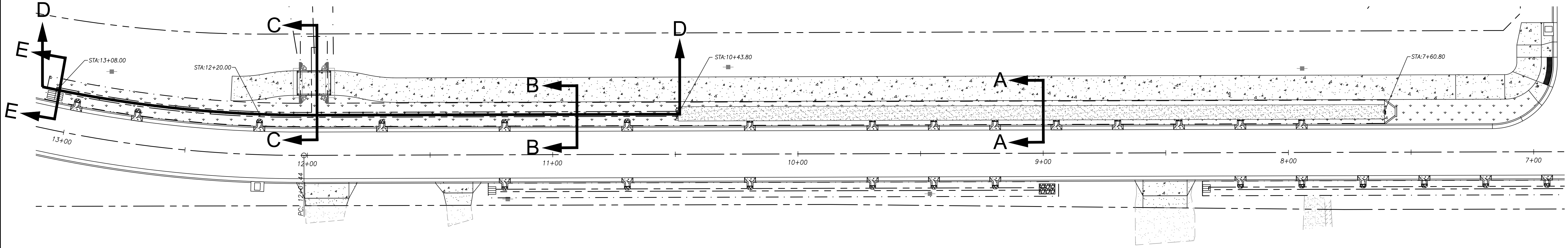
TREATMENT POND AND CONVEYANCE CHANNEL DETAIL

Sheet No. **C3.91**

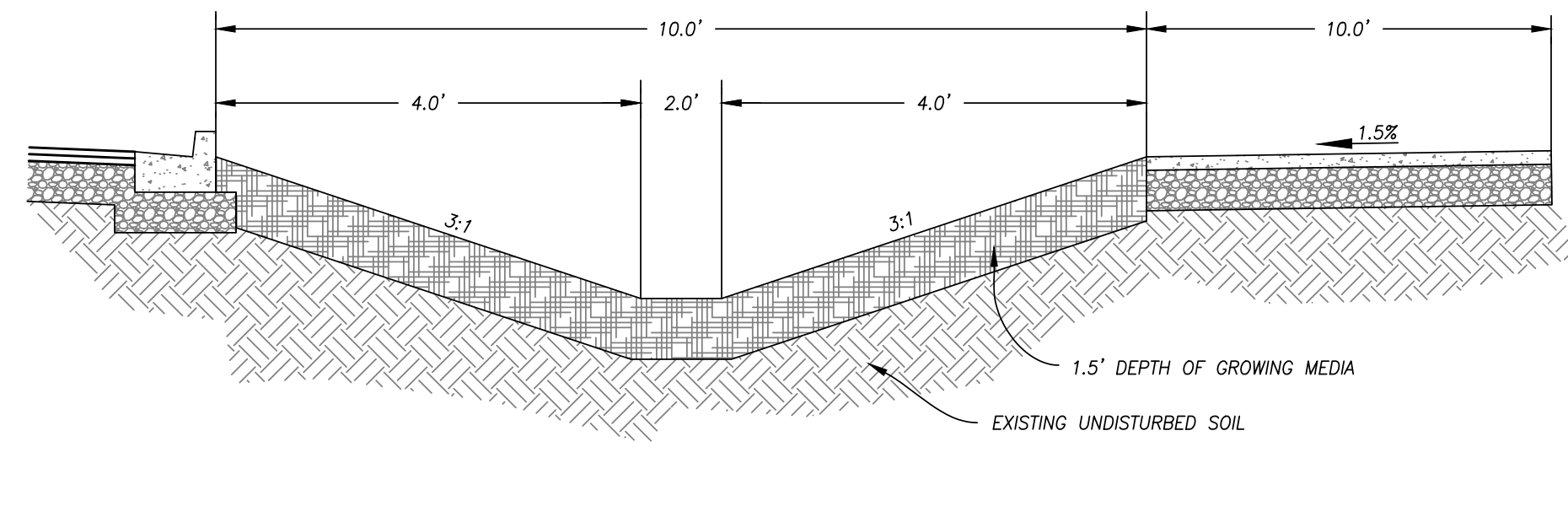
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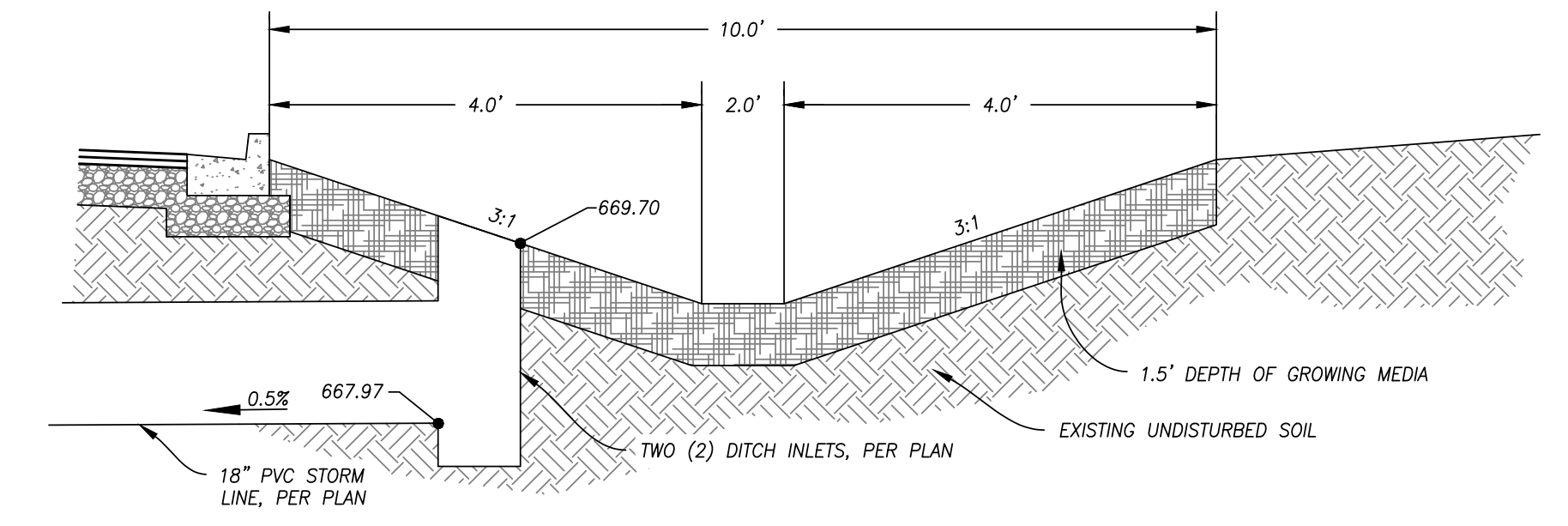
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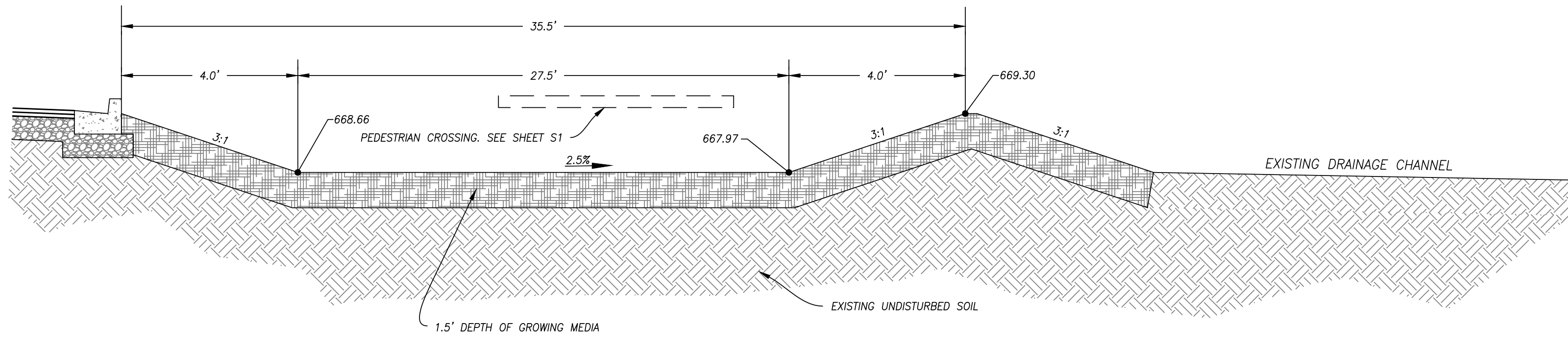
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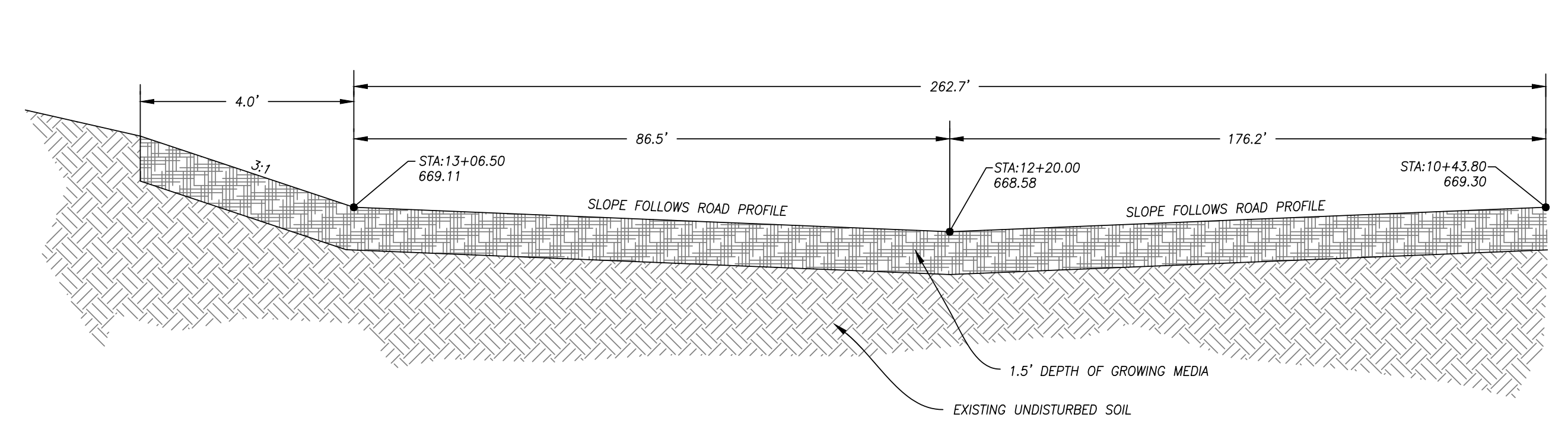
B-B
STA: 10+43.80 TO STA: 13+06.50



E-E



C-C



D-D

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TREATMENT POND AND
CONVEYANCE CHANNEL
DETAIL

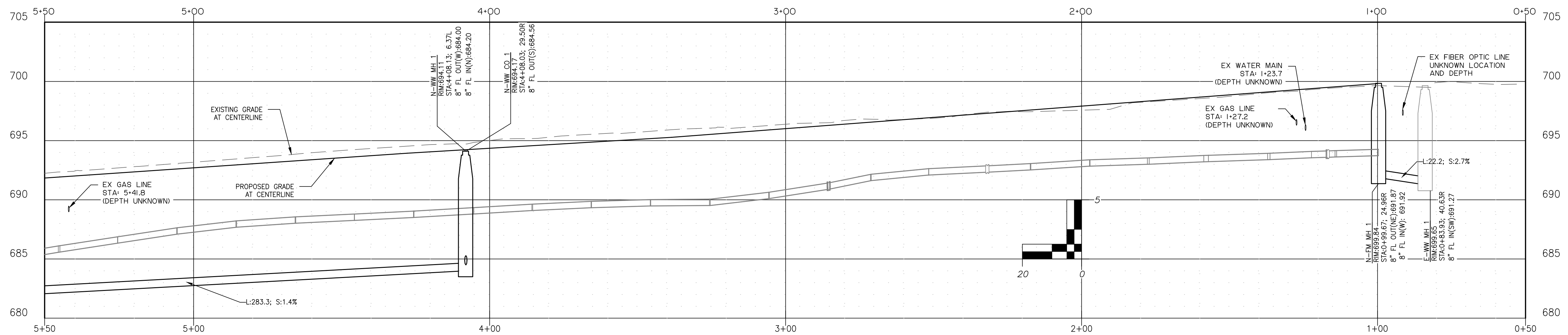
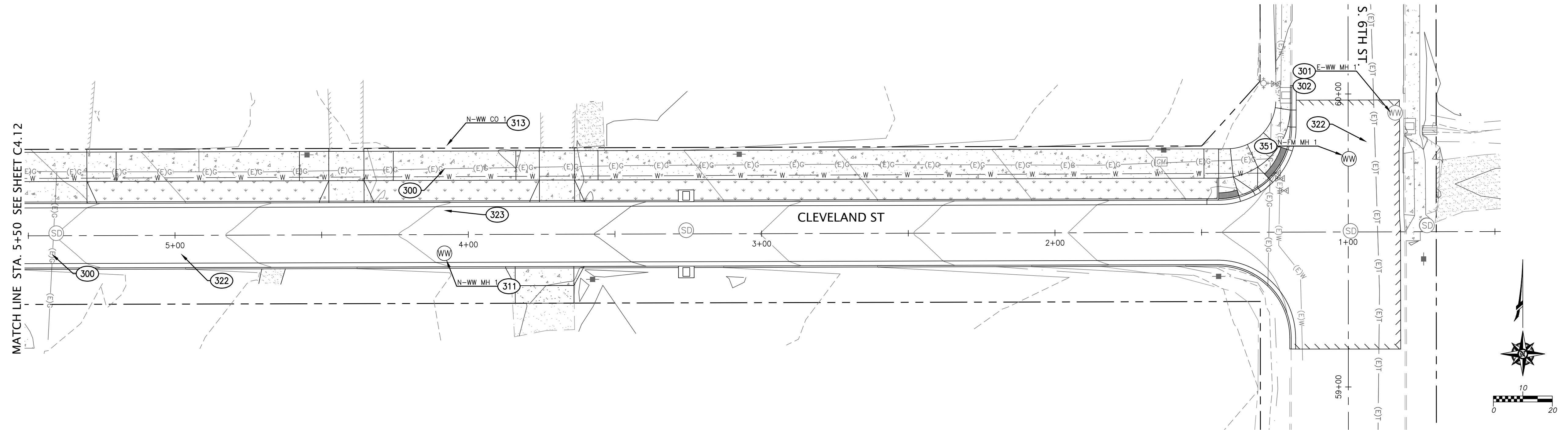
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CONSTRUCTION NOTES:

- 300 POT HOLE EXISTING UTILITY AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES. COORDINATE WITH UTILITY COMPANY IF ADJUSTMENTS ARE REQUIRED
- 301 ADJUST RIM TO MATCH PROPOSED GRADE
- 302 CONNECT PROPOSED PIPES INTO EXISTING SANITARY MANHOLE. ENGINEER TO INSPECT FLOWLINE LOCATIONS PRIOR TO CORE DRILLING.
- 313 FURNISH AND INSTALL 8" SANITARY SEWER CLEANOUT PER ODOT STANDARD DRAWING RD362, SHEET C6.05
- 322 FURNISH AND INSTALL 8" PVC SANITARY SEWER PIPE W/ TRACER WIRE PER ODOT STANDARD DRAWING RD300, SHEET C6.01
- 323 FURNISH AND INSTALL 8" PVC SANITARY SEWER PIPE AT 1.0% SLOPE W/ TRACER WIRE PER OREGON STANDARD DRAWING RD300, SHEET C6.01
- 351 FURNISH AND INSTALL FORCE MAIN DISCHARGE MANHOLE PER ODOT STANDARD DRAWING RD350, SHEET C6.05



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CAPITAL IMPROVEMENT PROJECT**

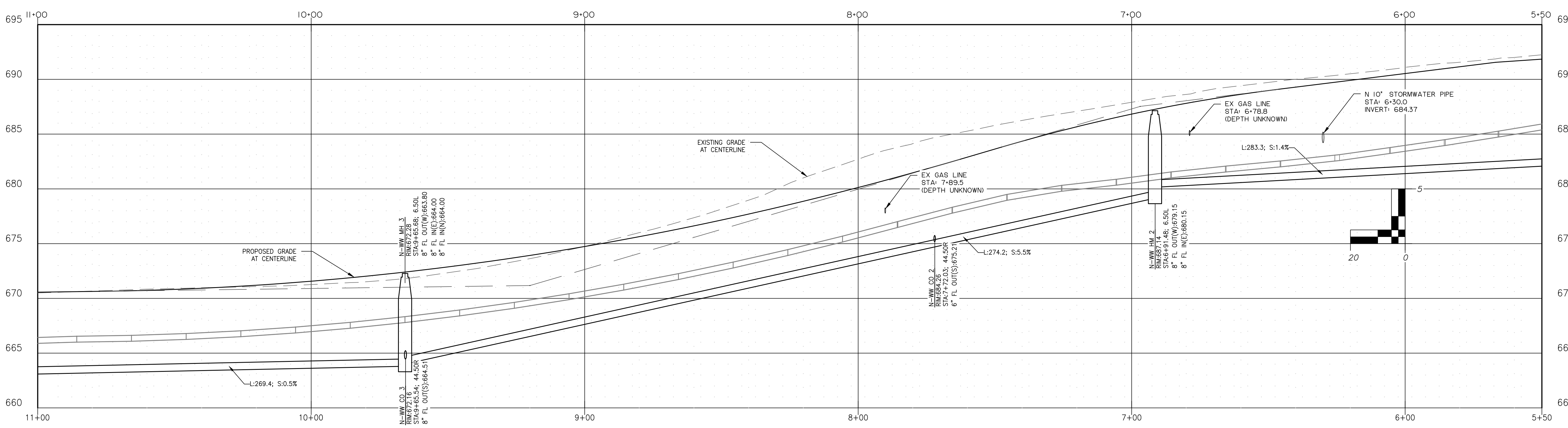
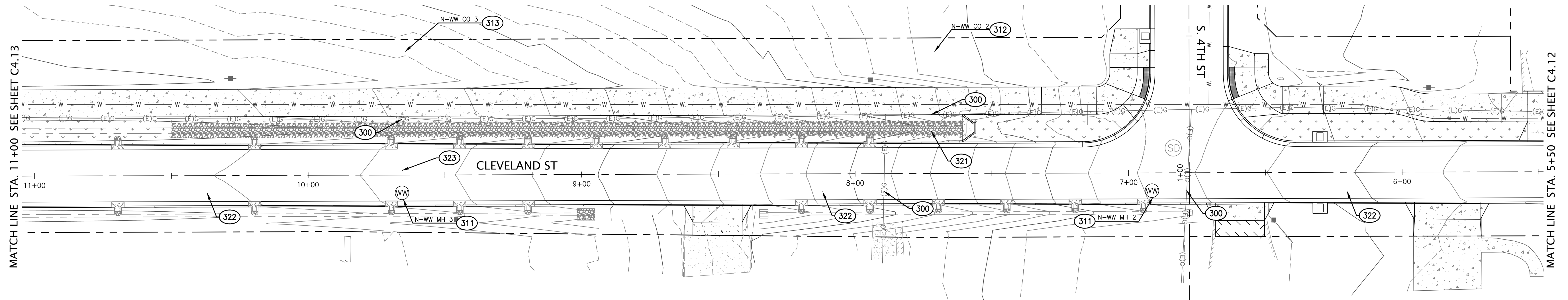
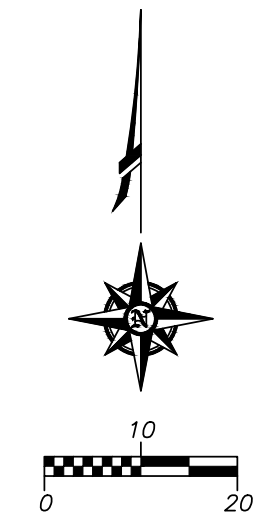
**SANITARY SEWER PLAN AND PROFILE
CLEVELAND ST. STA. 0+50 TO 5+50
AND 6TH ST.**

Sheet No. **C4.11**

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CONSTRUCTION NOTES:

- (300) POTHOLE EXISTING UTILITY AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES. COORDINATE WITH UTILITY COMPANY IF ADJUSTMENTS ARE REQUIRED
- (311) FURNISH AND INSTALL 48" SANITARY SEWER MANHOLE PER ODOT STANDARD DRAWING RD338, SHEET C6.05
- (312) FURNISH AND INSTALL 6" SANITARY SEWER CLEANOUT PER ODOT STANDARD DRAWING RD362, SHEET C6.05
- (313) FURNISH AND INSTALL 8" SANITARY SEWER CLEANOUT PER ODOT STANDARD DRAWING RD362, SHEET C6.05
- (321) FURNISH AND INSTALL 6" PVC SANITARY SEWER PIPE AT 1.0% SLOPE W/ TRACER WIRE PER OREGON STANDARD DRAWING RD300, SHEET C6.01
- (322) FURNISH AND INSTALL 8" PVC SANITARY SEWER PIPE W/ TRACER WIRE PER ODOT STANDARD DRAWING RD300, SHEET C6.01
- (323) FURNISH AND INSTALL 8" PVC SANITARY SEWER PIPE AT 1.0% SLOPE W/ TRACER WIRE PER OREGON STANDARD DRAWING RD300, SHEET C6.01



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**CLEVELAND STREET
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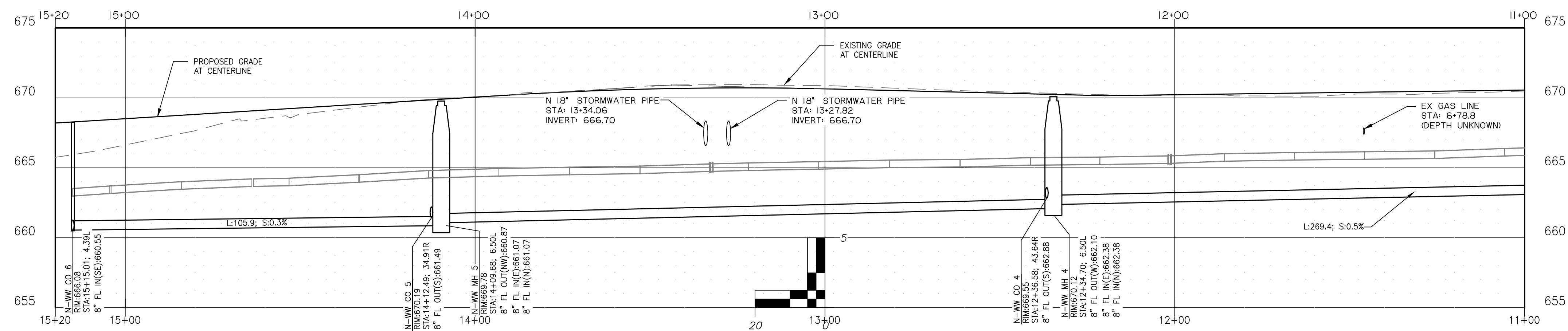
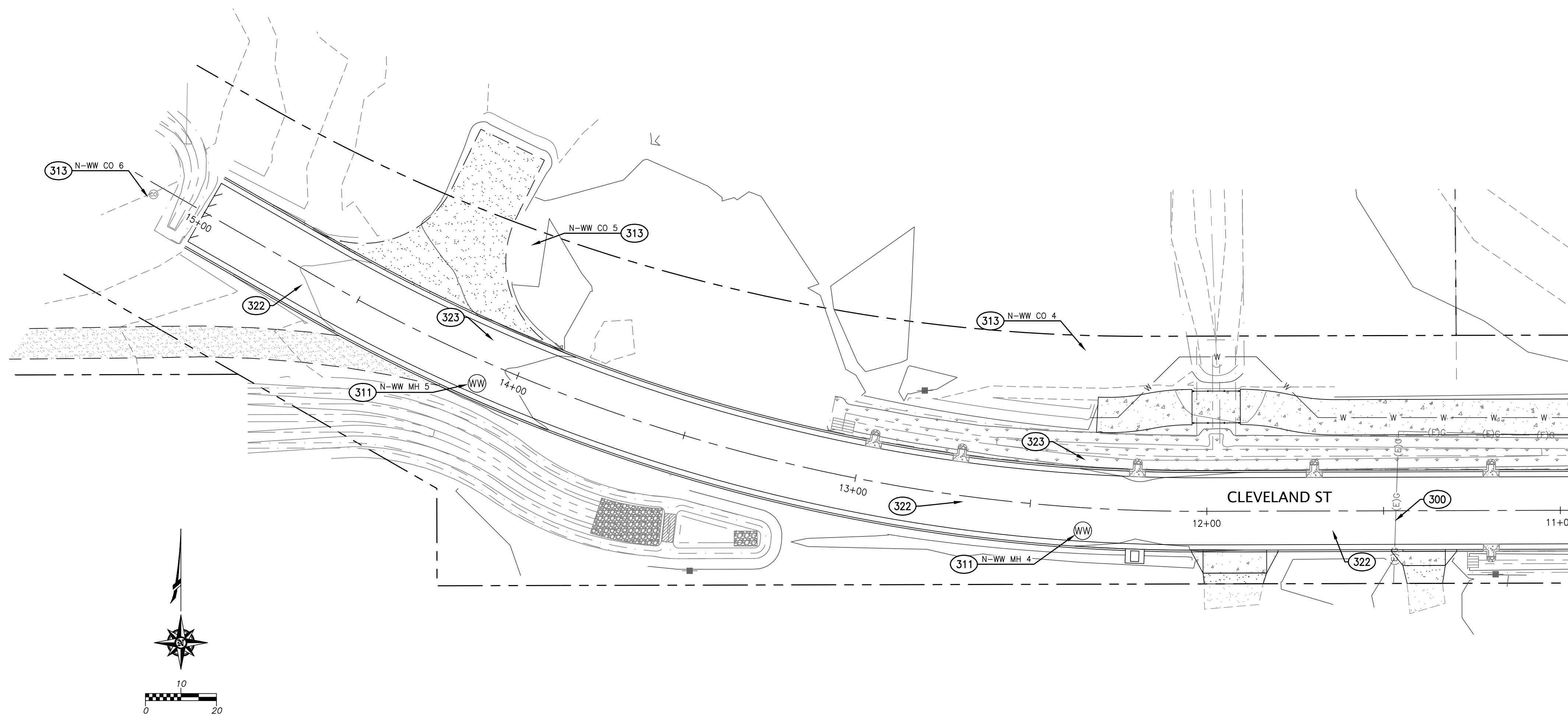
SANITARY SEWER PLAN AND PROFILE
 CLEVELAND ST. STA. 5+50 TO 11+00

Sheet No.
C4.12

DRAWN BY: JAD	CHECKED BY:	DATE: 12/12/2024
JOB No.		23-001C

CONSTRUCTION NOTES:

- 300 POT HOLE EXISTING UTILITY AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES. COORDINATE WITH UTILITY COMPANY IF ADJUSTMENTS ARE REQUIRED
- 311 FURNISH AND INSTALL 48" SANITARY SEWER MANHOLE PER ODOT STANDARD DRAWING RD338, SHEET C6.05
- 313 FURNISH AND INSTALL 8" SANITARY SEWER CLEANOUT PER ODOT STANDARD DRAWING RD362, SHEET C6.05
- 322 FURNISH AND INSTALL 8" PVC SANITARY SEWER PIPE W/ TRACER WIRE PER ODOT STANDARD DRAWING RD300, SHEET C6.01
- 323 FURNISH AND INSTALL 8" PVC SANITARY SEWER PIPE AT 1.0% SLOPE W/ TRACER WIRE PER OREGON STANDARD DRAWING RD300, SHEET C6.01



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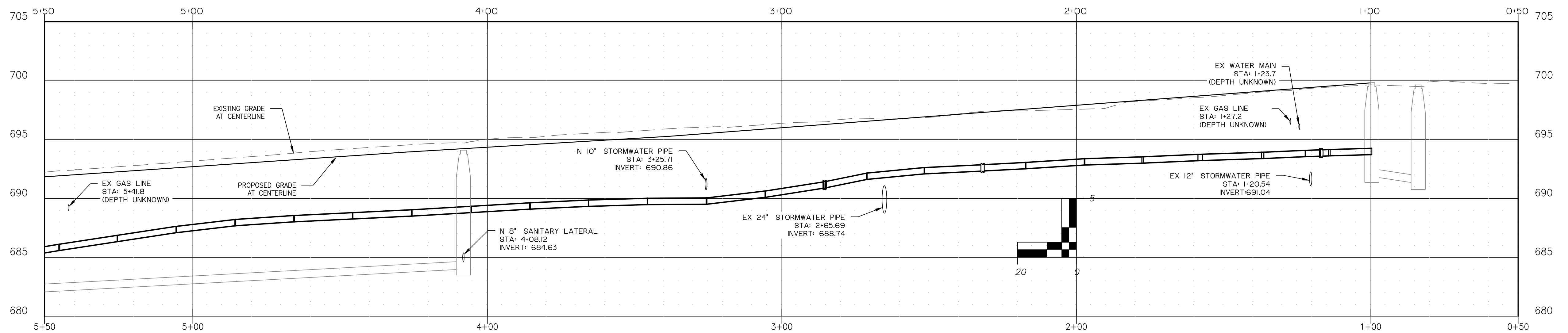
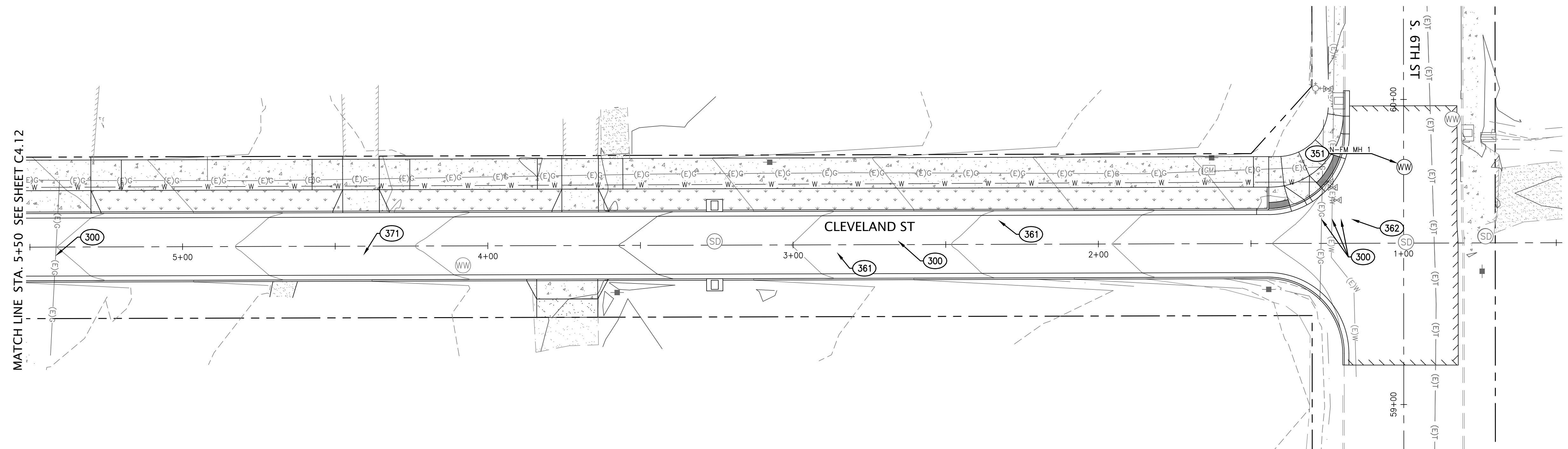
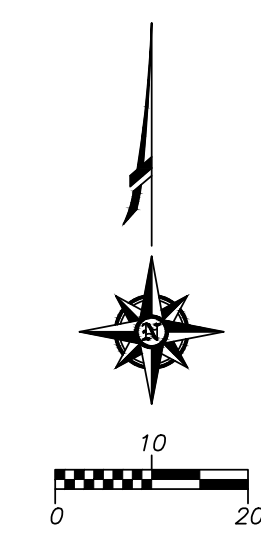
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 CLEVELAND ST. STA. 11+00 TO 15+00

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C4.13

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CONSTRUCTION NOTES:

- 300 POT HOLE EXISTING UTILITY AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES. COORDINATE WITH UTILITY COMPANY IF ADJUSTMENTS ARE REQUIRED
- 351 FURNISH AND INSTALL FORCE MAIN DISCHARGE MANHOLE PER ODOT STANDARD DRAWING RD350, SHEET C6.05
- 361 FURNISH AND INSTALL 4" 11.25' HORIZONTAL BEND. NO THRUST BLOCKING IS REQUIRED PER CITY OF COTTAGE GROVE DETAIL 402, SHEET C6.04
- 362 FURNISH AND INSTALL 4" 45' HORIZONTAL BEND. PROVIDE 1 SQ.FT. THRUST BLOCK PER CITY OF COTTAGE GROVE DETAIL 402, SHEET C6.04
- 371 FURNISH AND INSTALL 4" C900 SANITARY FORCE MAIN PER ODOT STANDARD DRAWING RD300, SHEET C6.01



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 CAPITAL IMPROVEMENT PROJECT**

SANITARY SEWER PLAN AND PROFILE
 CLEVELAND ST. STA. 0+50 TO 5+50
 AND 6TH ST.

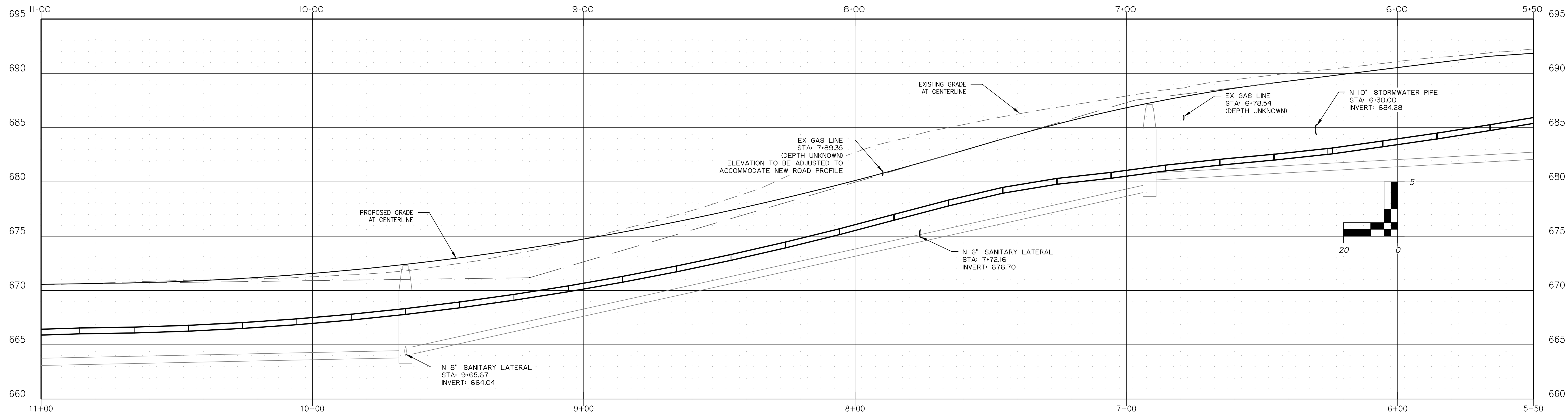
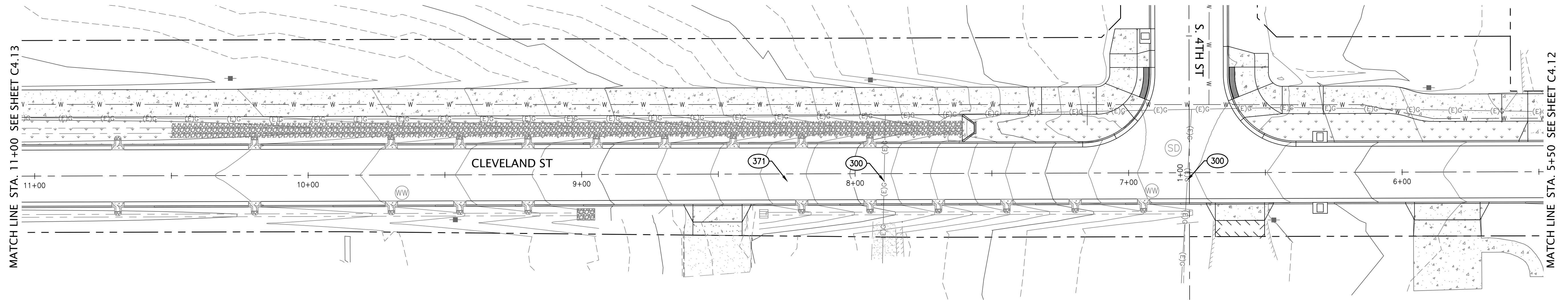
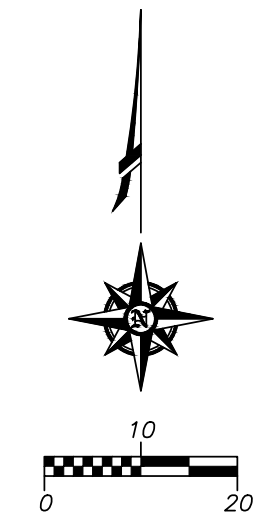
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CONSTRUCTION NOTES:

- 300 POT-HOLE EXISTING UTILITY AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES. COORDINATE WITH UTILITY COMPANY IF ADJUSTMENTS ARE REQUIRED
- 362 FURNISH AND INSTALL 4" 45° HORIZONTAL BEND. PROVIDE 1 SQ.FT. THRUST BLOCK PER CITY OF COTTAGE GROVE DETAIL 402, SHEET C6.04
- 371 FURNISH AND INSTALL 4" C900 SANITARY FORCE MAIN PER ODOT STANDARD DRAWING RD300, SHEET C6.01



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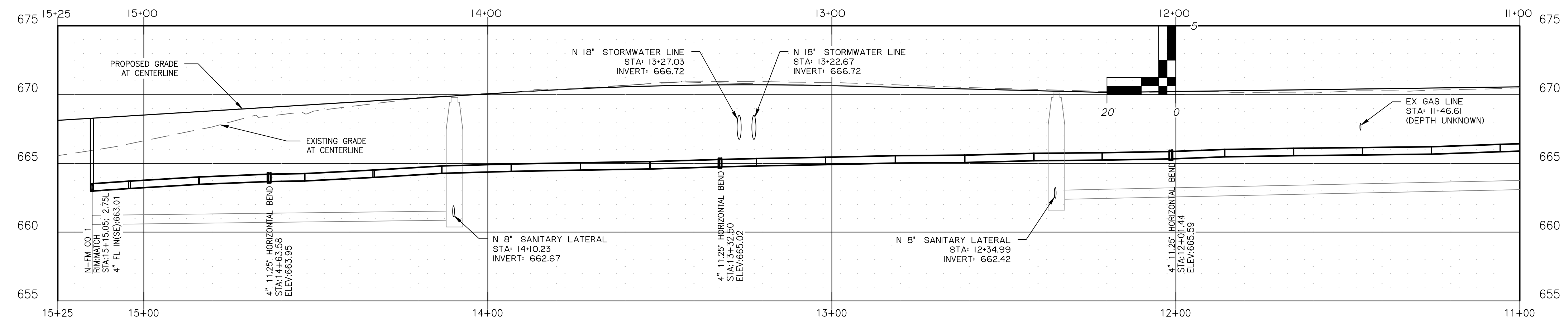
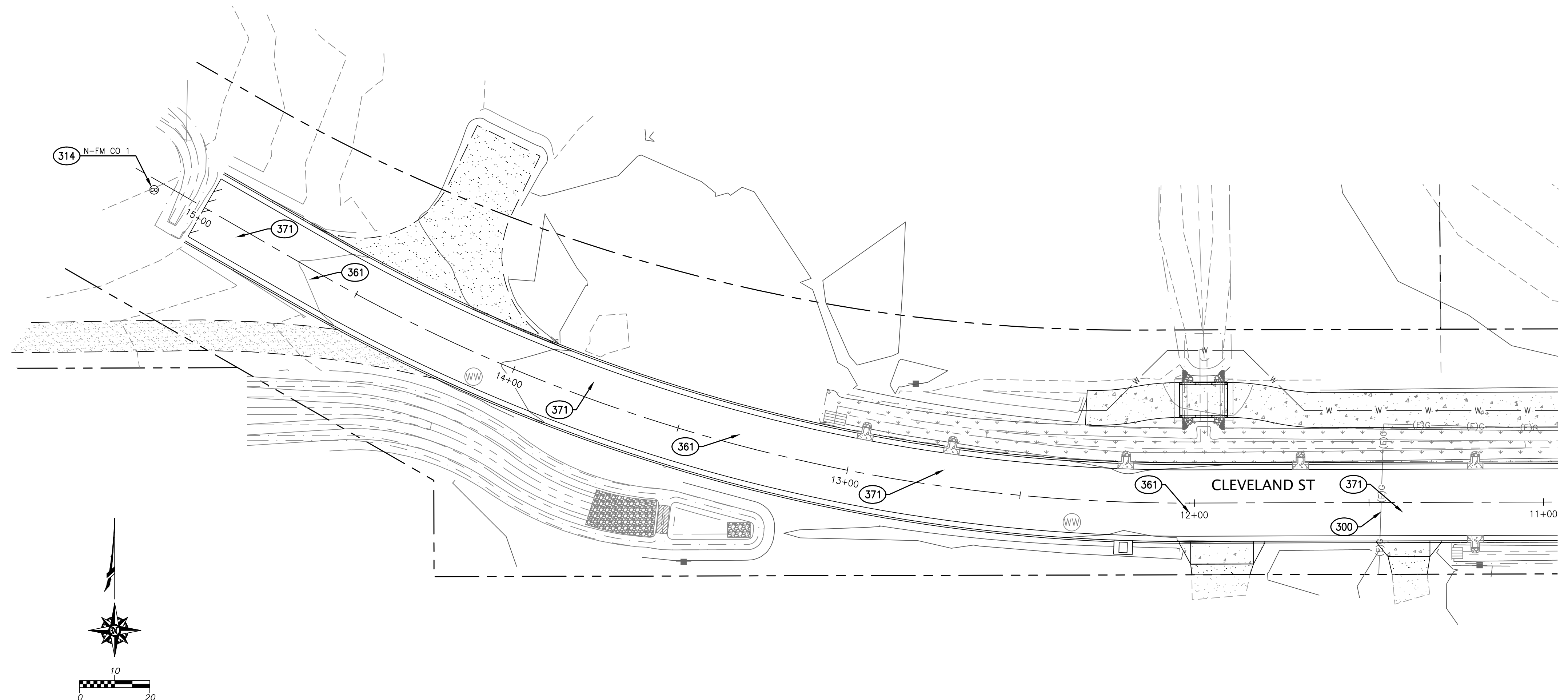
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 CLEVELAND ST. STA. 5+50 TO 11+00**

Sheet No.
C4.15

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CONSTRUCTION NOTES:

- 300 POT HOLE EXISTING UTILITY AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES. COORDINATE WITH UTILITY COMPANY IF ADJUSTMENTS ARE REQUIRED
- 314 FURNISH AND INSTALL 4" SANITARY SEWER CLEANOUT PER ODOT STANDARD DRAWING RD362, SHEET C6.05
- 361 FURNISH AND INSTALL 4" 11.25° HORIZONTAL BEND. NO THRUST BLOCKING IS REQUIRED PER CITY OF COTTAGE GROVE DETAIL 402, SHEET C6.04
- 362 FURNISH AND INSTALL 4" 45° HORIZONTAL BEND. PROVIDE 1 SQ.FT. THRUST BLOCK PER CITY OF COTTAGE GROVE DETAIL 402, SHEET C6.04
- 371 FURNISH AND INSTALL 4" C900 SANITARY FORCE MAIN PER ODOT STANDARD DRAWING RD300, SHEET C6.01



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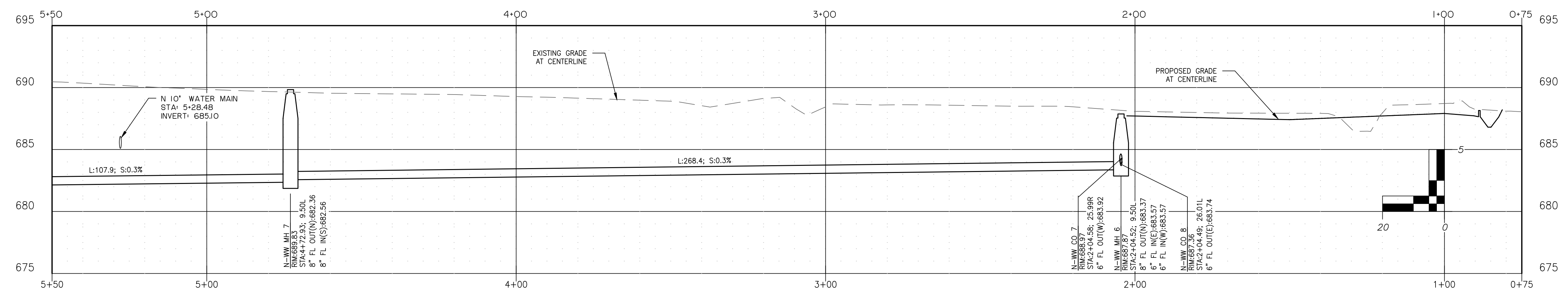
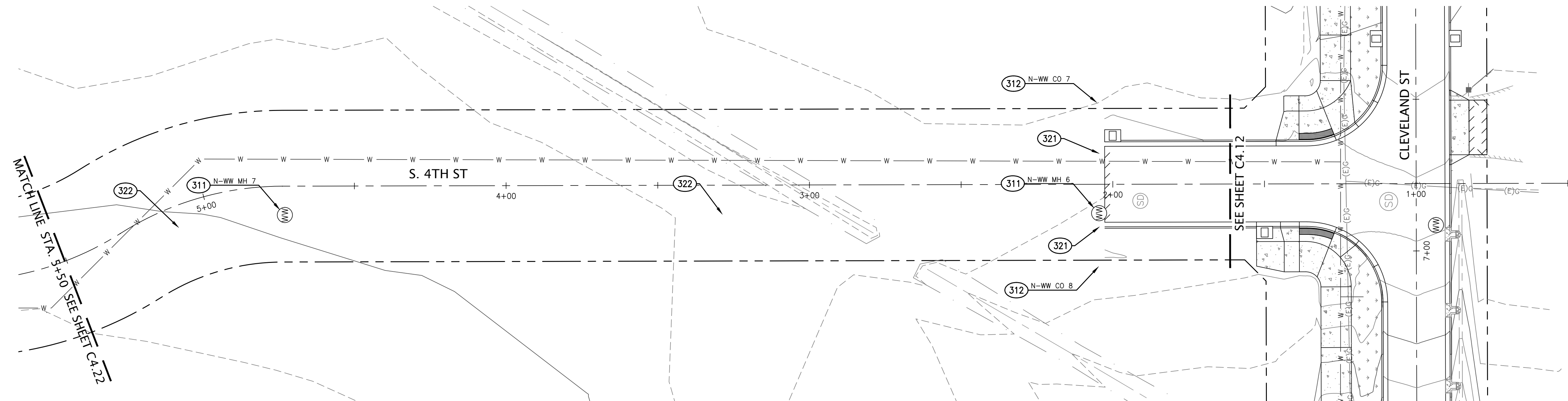
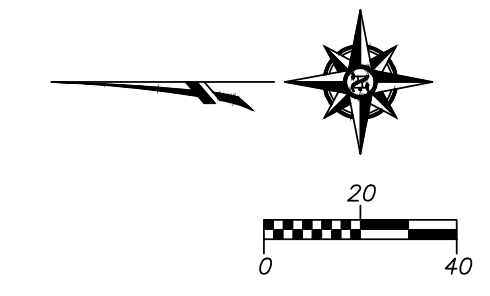
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CONSTRUCTION NOTES:

- 311 FURNISH AND INSTALL 48" SANITARY SEWER MANHOLE PER ODOT STANDARD DRAWING RD338, SHEET C6.05
- 312 FURNISH AND INSTALL 6" SANITARY SEWER CLEANOUT PER ODOT STANDARD DRAWING RD362, SHEET C6.05
- 321 FURNISH AND INSTALL 6" PVC SANITARY SEWER PIPE AT 1.0% SLOPE W/ TRACER WIRE PER OREGON STANDARD DRAWING RD300, SHEET C6.01
- 322 FURNISH AND INSTALL 8" PVC SANITARY SEWER PIPE W/ TRACER WIRE PER ODOT STANDARD DRAWING RD300, SHEET C6.01



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**CLEVELAND STREET
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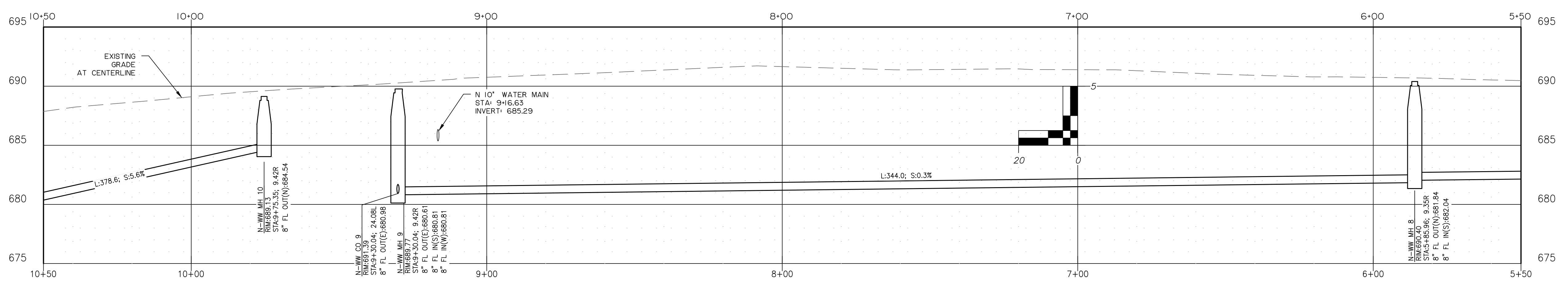
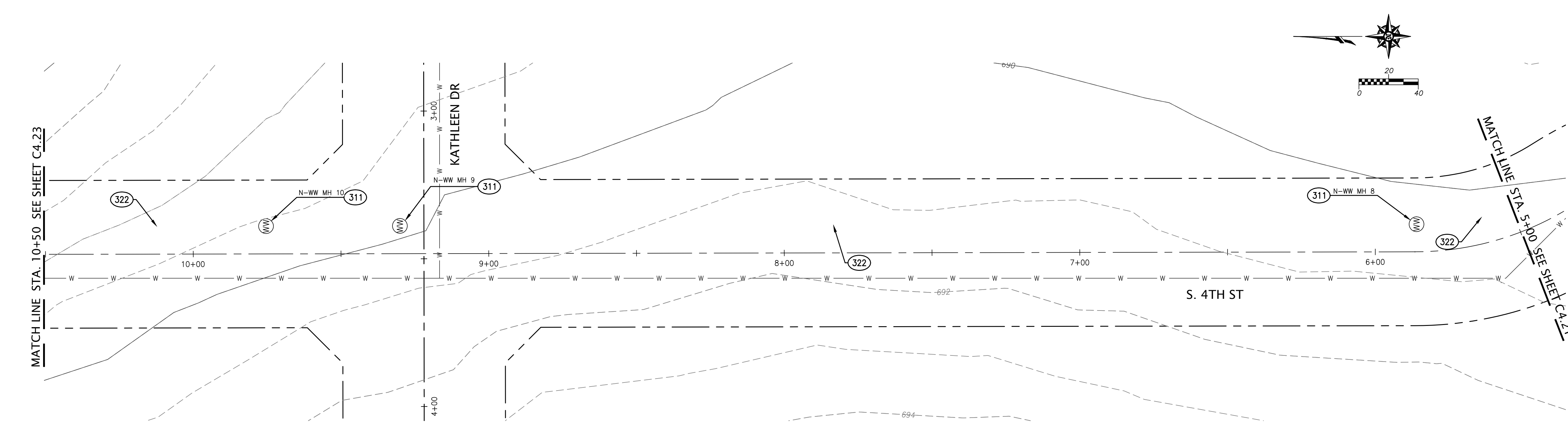
SANITARY SEWER PLAN AND PROFILE
 S 4th ST. STA. 1+00 TO 5+50

Sheet No.
C4.21

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CONSTRUCTION NOTES:

- (311) FURNISH AND INSTALL 48" SANITARY SEWER MANHOLE PER ODOT STANDARD DRAWING RD338, SHEET C6.05
- (322) FURNISH AND INSTALL 8" PVC SANITARY SEWER PIPE W/ TRACER WIRE PER ODOT STANDARD DRAWING RD300, SHEET C6.01



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**CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT**

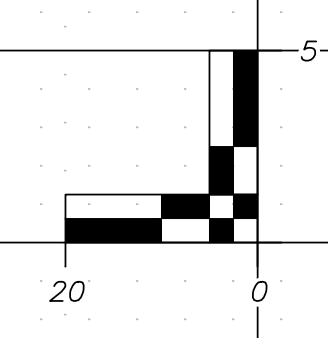
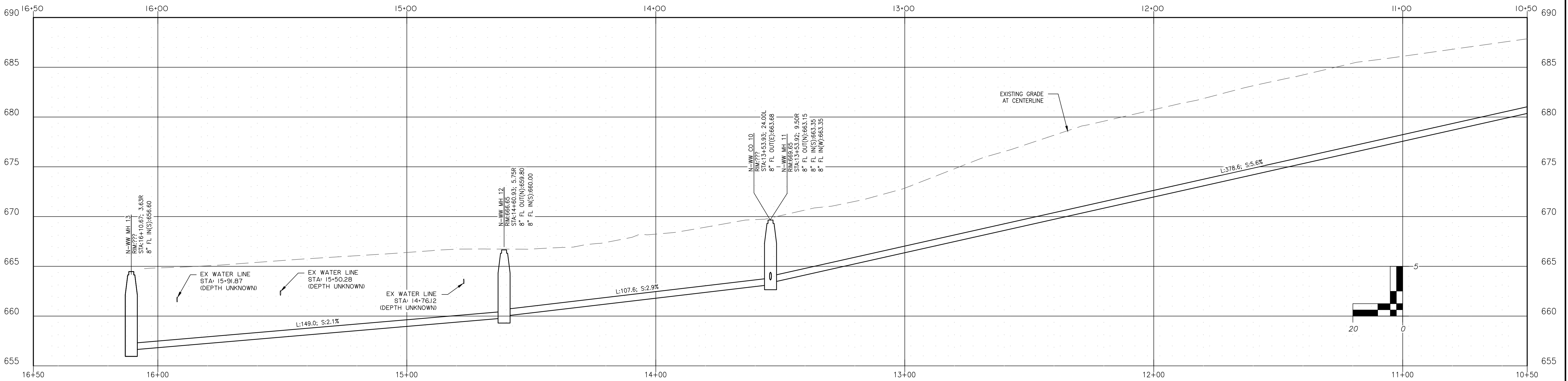
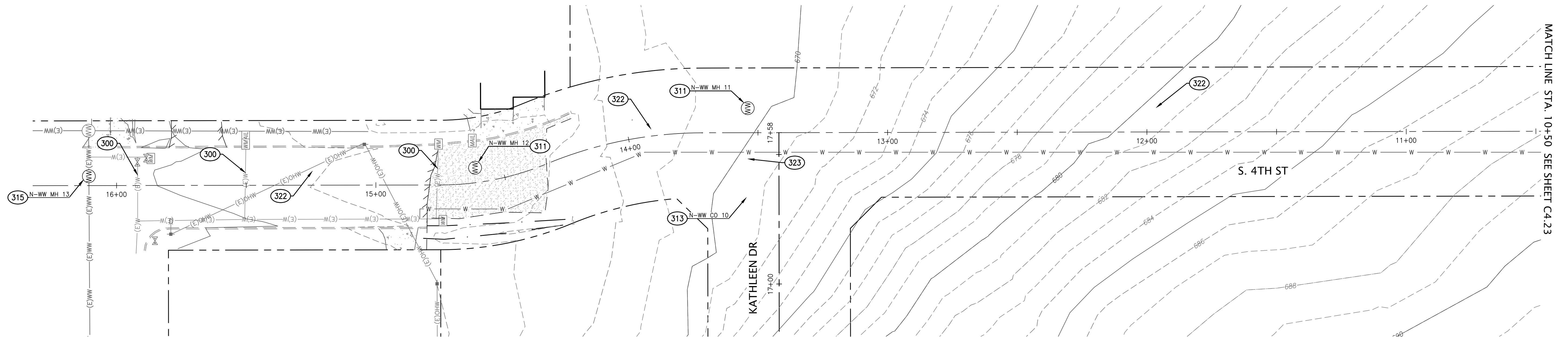
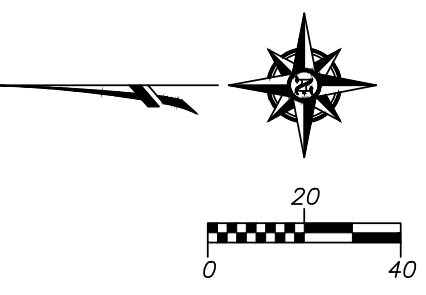
SANITARY SEWER PLAN AND PROFILE
S 4th ST. STA. 5+00 TO 10+50

Sheet No.
C4.22

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JOB No.		23-001C

CONSTRUCTION NOTES:

- 300** POT HOLE EXISTING UTILITY AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES. COORDINATE WITH UTILITY COMPANY IF ADJUSTMENTS ARE REQUIRED
- 311** FURNISH AND INSTALL 48" SANITARY SEWER MANHOLE PER ODOT STANDARD DRAWING RD338, SHEET C6.05
- 313** FURNISH AND INSTALL 8" SANITARY SEWER CLEANOUT PER ODOT STANDARD DRAWING RD362, SHEET C6.05
- 315** FURNISH AND INSTALL CAST IN PLACE MANHOLE PER ODOT STANDARD DRAWING RD344, SHEET C6.05
- 322** FURNISH AND INSTALL 8" PVC SANITARY SEWER PIPE W/ TRACER WIRE PER ODOT STANDARD DRAWING RD300, SHEET C6.01
- 323** FURNISH AND INSTALL 8" PVC SANITARY SEWER PIPE AT 1.0% SLOPE W/ TRACER WIRE PER OREGON STANDARD DRAWING RD300, SHEET C6.01



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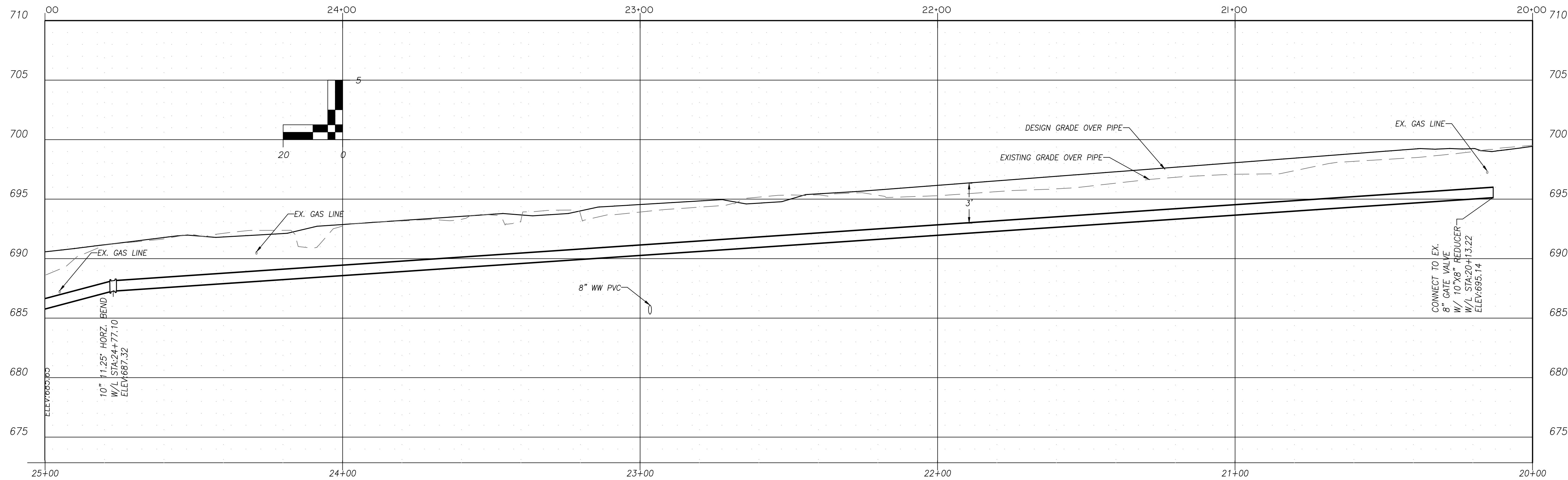
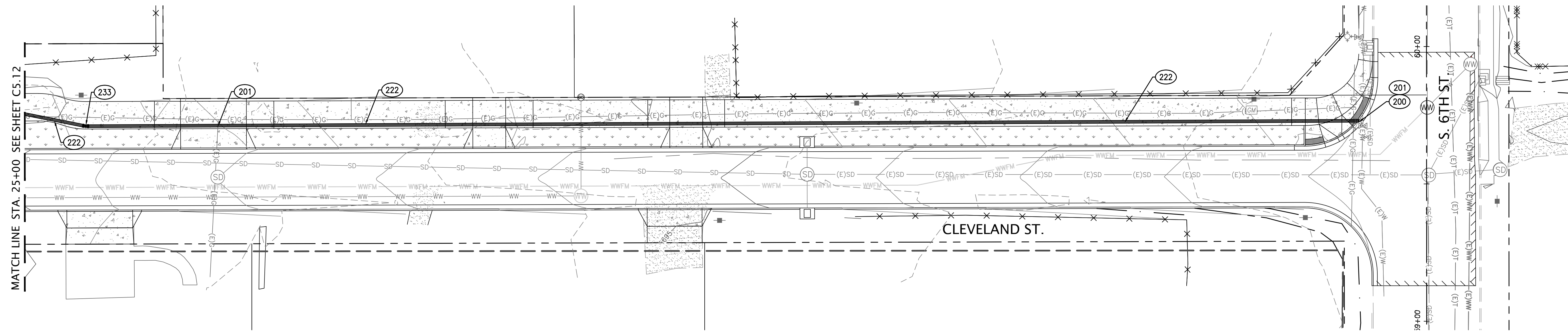
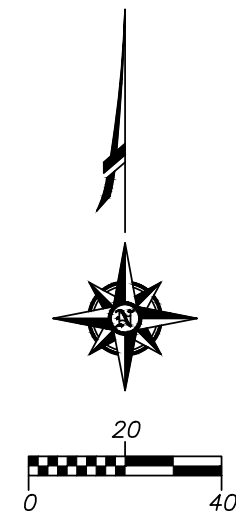
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SANITARY SEWER PLAN AND PROFILE
S 4th ST. STA. 9+50 TO 14+00

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CLEVELAND STREET WATERLINE PROFILE
 SCALE: HORZ. 1" = 20'
 VERT. 1" = 5'

CONSTRUCTION NOTES:

- (200) CITY OF COTTAGE GROVE PUBLIC WORKS TO MAKE FINAL CONNECTION TO EXISTING WATER LINE WITH A 10" X 8" REDUCER TO THE 8" GATE VALVE. CONTRACTOR TO COORDINATE WORK WITH CITY.
- (201) POT HOLE EXISTING UTILITY LINE AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- (222) FURNISH AND INSTALL 10" PVC C-900 (DR 18) WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300, SHEET C6.01. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 36" OF COVER.
- (232) FURNISH AND INSTALL 10" GATE VALVE (RESILIENT WEDGE) WITH RETAINER GLANDS. AND VALVE BOX PER CITY OF COTTAGE GROVE STANDARD DRAWING 408, SHEET C6.04.
- (233) FURNISH AND INSTALL 10" 11.25" HORIZONTAL BEND. PROVIDE MECHANICAL JOINT THRUST RESTRAINT.

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 EXPIRES: JUNE 30, 2025

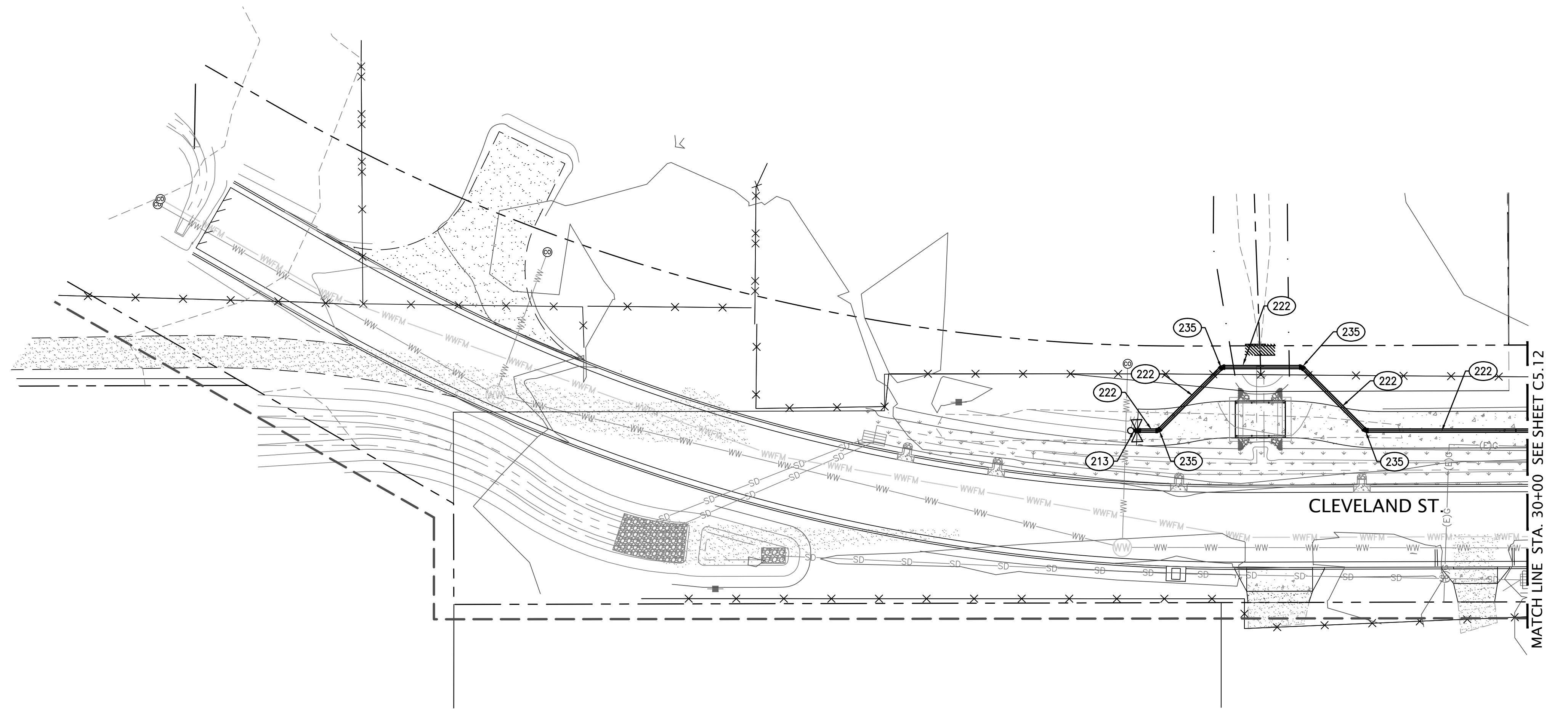
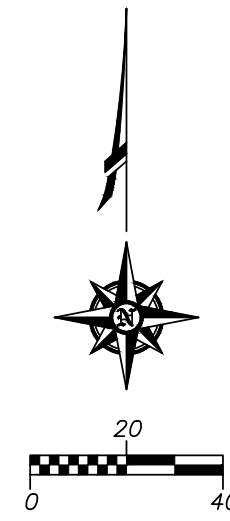
CITY OF COTTAGE GROVE ENGINEERING
 400 Main Street Cottage Grove, OR 97424

REVISIONS:		
No.	DESCRIPTION	DATE

**CLEVELAND STREET
 CAPITAL IMPROVEMENT PROJECT**

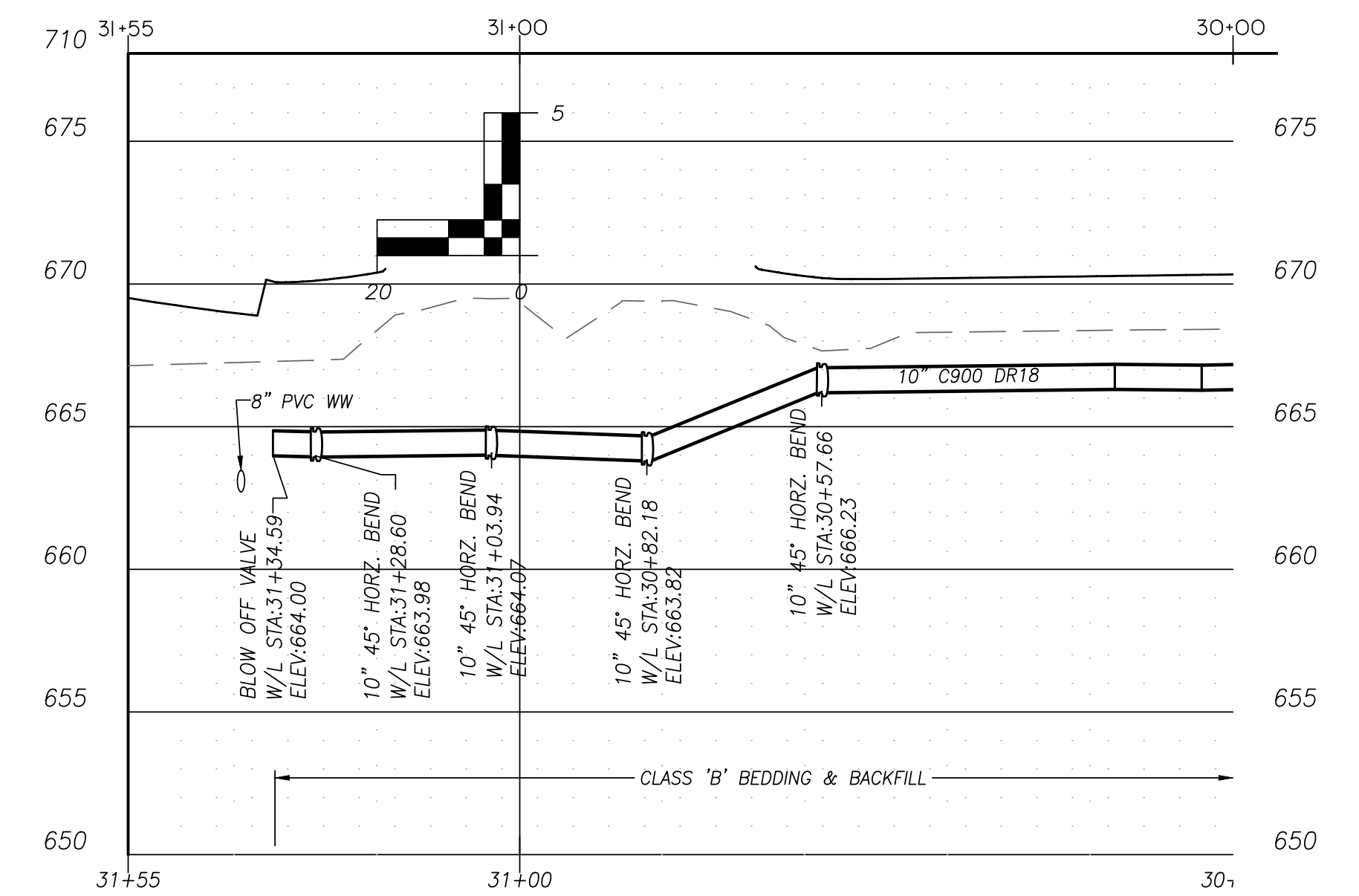
WATER PLAN AND PROFILE
 CLEVELAND ST. STA. 20+00 TO 25+00
 AND 6TH ST.

DRAWN BY: JAD/VJ	CHECKED BY: NP	DATE: 12/12/2024	Sheet No. C5.11
JOB No. 23-001C			



CONSTRUCTION NOTES:

- 213** FURNISH AND INSTALL TEMPORARY 2" BLOW OFF VALVE PER CITY OF COTTAGE GROVE STD DWG 405, SHEET C6.04.
- 222** FURNISH AND INSTALL 10" PVC C-900 (DR 18) WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300, SHEET C6.01. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 36" OF COVER.
- 233** FURNISH AND INSTALL 10" 11.25' HORIZONTAL BEND. PROVIDE MECHANICAL JOINT THRUST RESTRAINT.
- 235** FURNISH AND INSTALL 10" 45' HORIZONTAL BEND. PROVIDE MECHANICAL JOINT THRUST RESTRAINT.



CLEVELAND STREET WATERLINE PROFILE
 SCALE: HORIZ. 1" = 20'
 VERT. 1" = 5'



REVISIONS:		
No.	DESCRIPTION	DATE

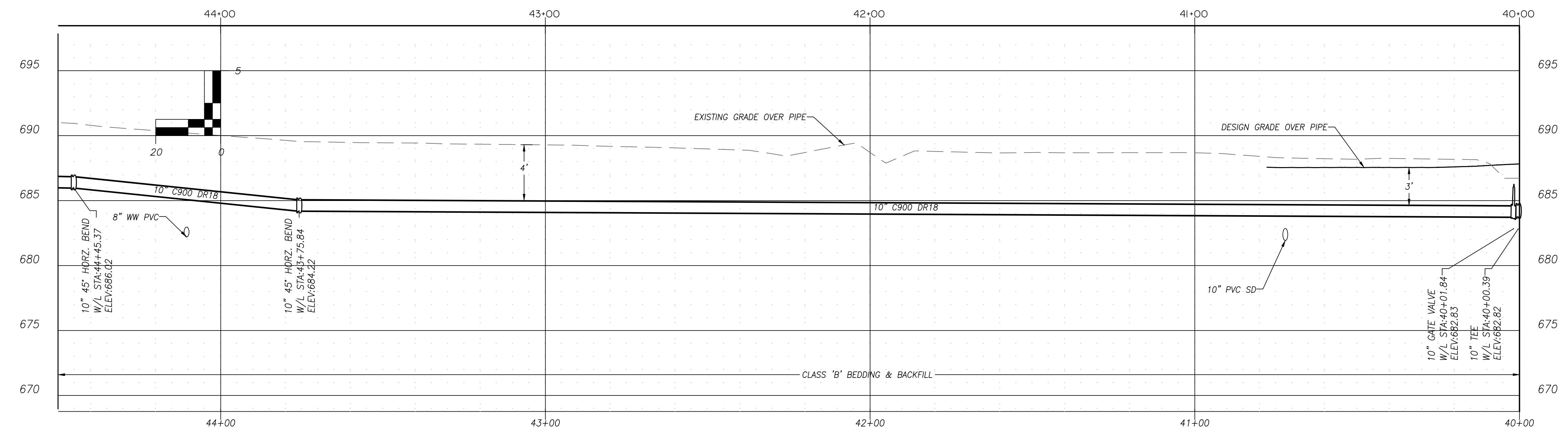
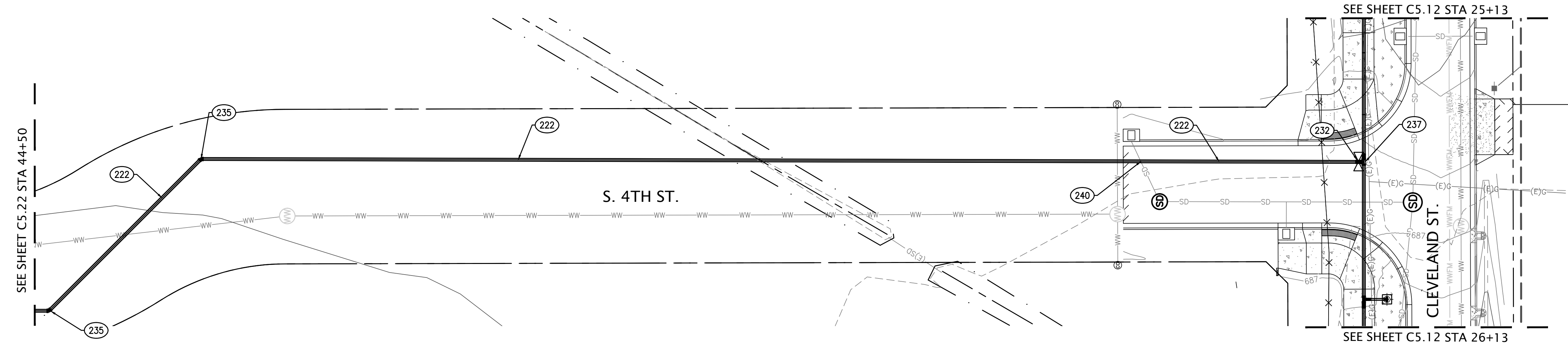
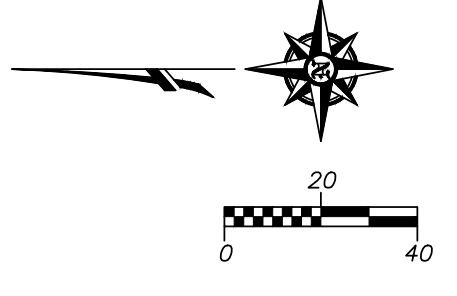
**CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT**

WATER PLAN AND PROFILE
CLEVELAND ST. STA. 30+00 TO 31+55

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Sheet No.
C5.13
JOB No. 23-001C

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4TH STREET WATERLINE PROFILE
 SCALE: HORZ. 1" = 20'
 VERT. 1" = 5'

CONSTRUCTION NOTES:

- (222) FURNISH AND INSTALL 10" PVC C-900 (DR 18) WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300, SHEET C6.01. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 36" OF COVER.
- (232) FURNISH AND INSTALL 10" GATE VALVE (RESILIENT WEDGE) WITH RETAINER GLANDS, AND VALVE BOX PER CITY OF COTTAGE GROVE STANDARD DRAWING 408, SHEET C6.04.
- (235) FURNISH AND INSTALL 10" 45° HORIZONTAL BEND. PROVIDE MECHANICAL JOINT THRUST RESTRAINT.
- (237) FURNISH AND INSTALL 10" TEE WITH RETAINER GLANDS. PROVIDE MECHANICAL JOINT THRUST RESTRAINT.
- (240) WATER AND SANITARY/STORM SEWER CROSSINGS TO BE IN ACCORDANCE WITH OAR 333-061-0050 (9). CONTRACTOR TO CENTER ONE FULL LENGTH OF WATER PIPE WITH ONE FULL LENGTH OF SANITARY/STORM AT EACH CROSSING.

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 JULY 13, 2006
 DAMIEN GILBERT
 EXPIRES: JUNE 30, 2025

CITY OF COTTAGE GROVE ENGINEERING
 400 Main Street Cottage Grove, OR 97424

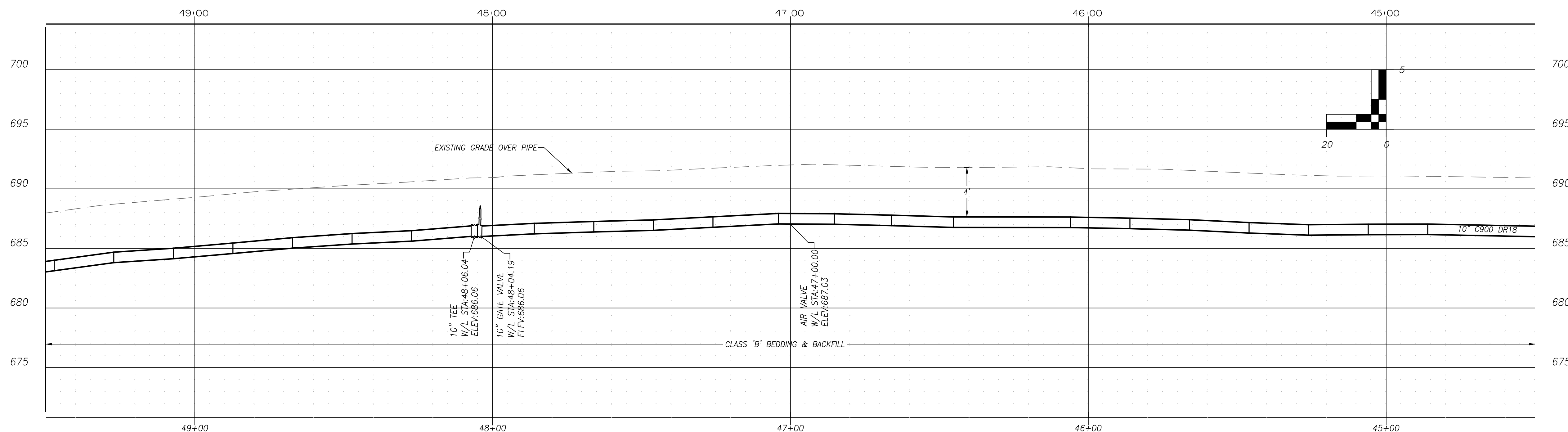
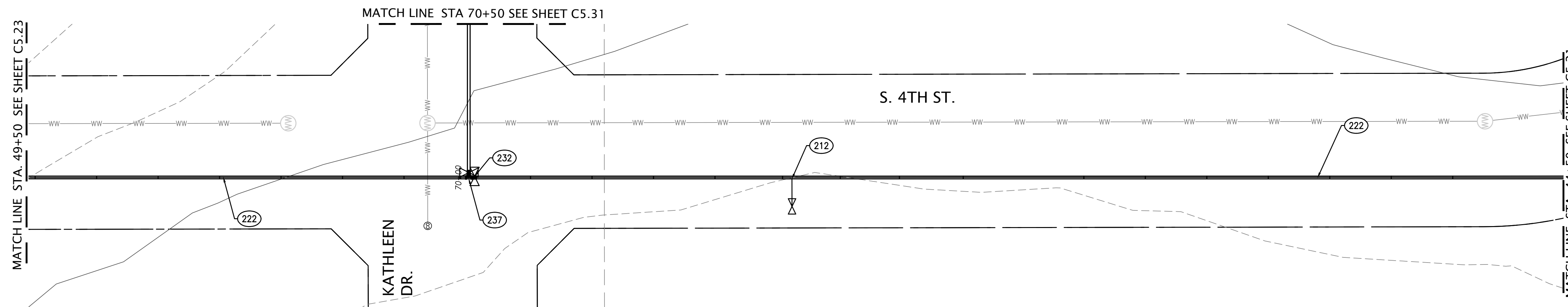
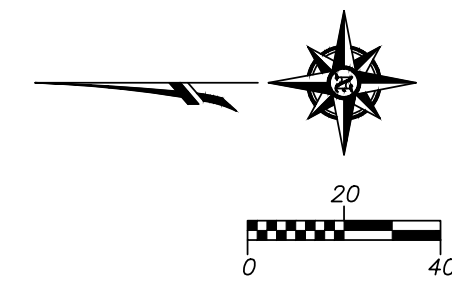
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No.	DESCRIPTION	DATE

**CLEVELAND STREET
 CAPITAL IMPROVEMENT PROJECT**

**WATER MAIN PLAN AND PROFILE
 S 4th ST. STA. 40+00 TO 44+50**

Sheet No.
C5.21

DRAWN BY: JAD/VJ	CHECKED BY: NP	DATE: 12/12/2024	JOB No. 23-001C
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4TH STREET WATERLINE PROFILE

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

CONSTRUCTION NOTES:

- (212) FURNISH AND INSTALL 1" COMBINATION AIR RELEASE VALVE PER CITY OF COTTAGE GROVE STD DWG 406, SHEET C6.04.
- (222) FURNISH AND INSTALL 10" PVC C-900 (DR 18) WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300, SHEET C6.01. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 48" OF COVER.
- (232) FURNISH AND INSTALL 10" GATE VALVE (RESILIENT WEDGE) WITH RETAINER GLANDS, AND VALVE BOX PER CITY OF COTTAGE GROVE STANDARD DRAWING 408, SHEET C6.04.
- (237) FURNISH AND INSTALL 10" TEE WITH RETAINER GLANDS. PROVIDE MECHANICAL JOINT THRUST RESTRAINT.



REVISIONS:		
No.	DESCRIPTION	DATE

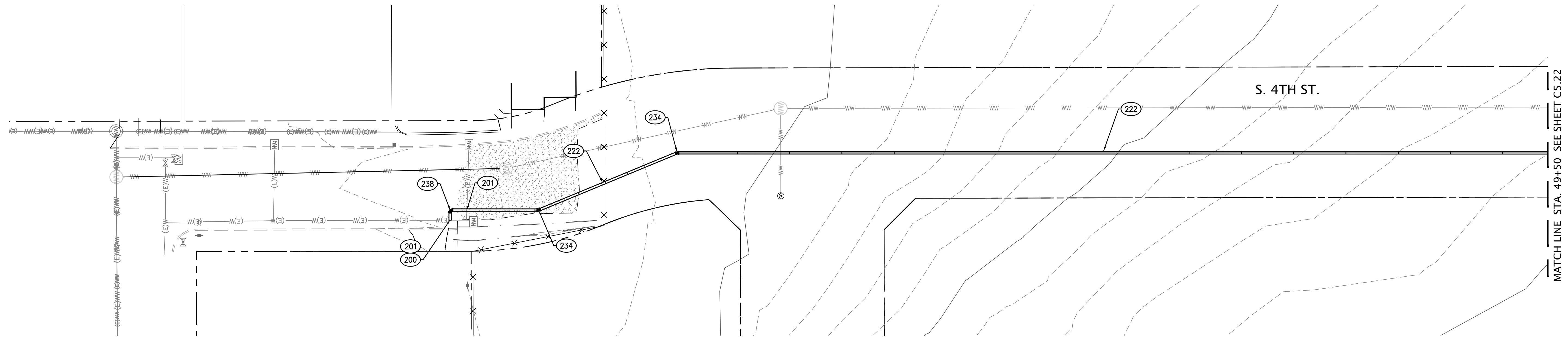
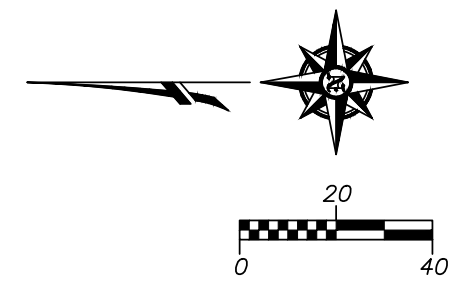
**CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT**

**WATER MAIN PLAN AND PROFILE
S 4th ST. STA. 44+50 TO 49+50**

Sheet No.
C5.22

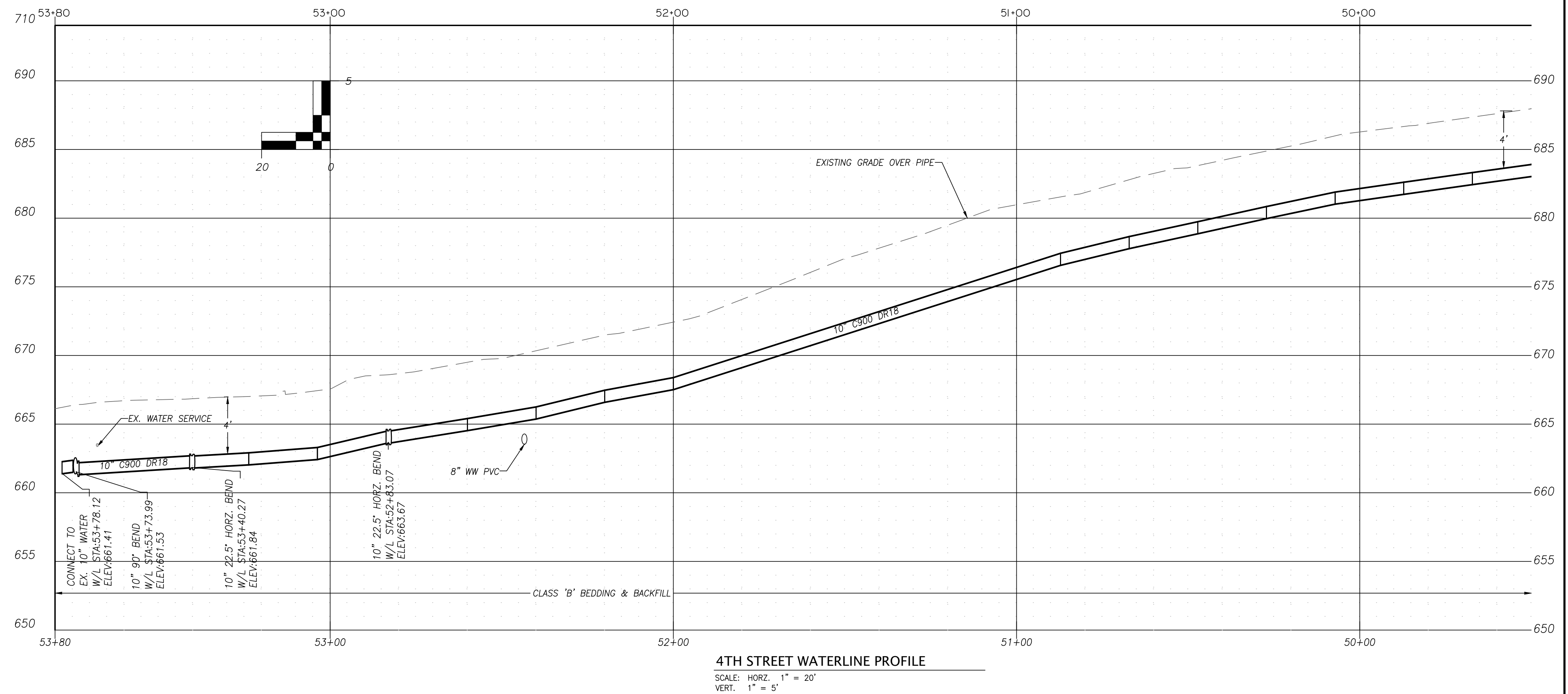
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CONSTRUCTION NOTES:

- (200)** CITY OF COTTAGE GROVE PUBLIC WORKS TO MAKE FINAL CONNECTION TO EXISTING WATER LINE WITH HOT TAP WITH GATE VALVE. CONTRACTOR TO COORDINATE WORK WITH CITY.
- (201)** POTHOLE EXISTING UTILITY LINE AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- (222)** FURNISH AND INSTALL 10" PVC C-900 (DR 18) WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300, SHEET C6.01. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 48" OF COVER.
- (234)** FURNISH AND INSTALL 10" 22.5° HORIZONTAL BEND. PROVIDE MECHANICAL JOINT THRUST RESTRAINT.
- (238)** FURNISH AND INSTALL 10" 90° HORIZONTAL BEND. PROVIDE MECHANICAL JOINT THRUST RESTRAINT.



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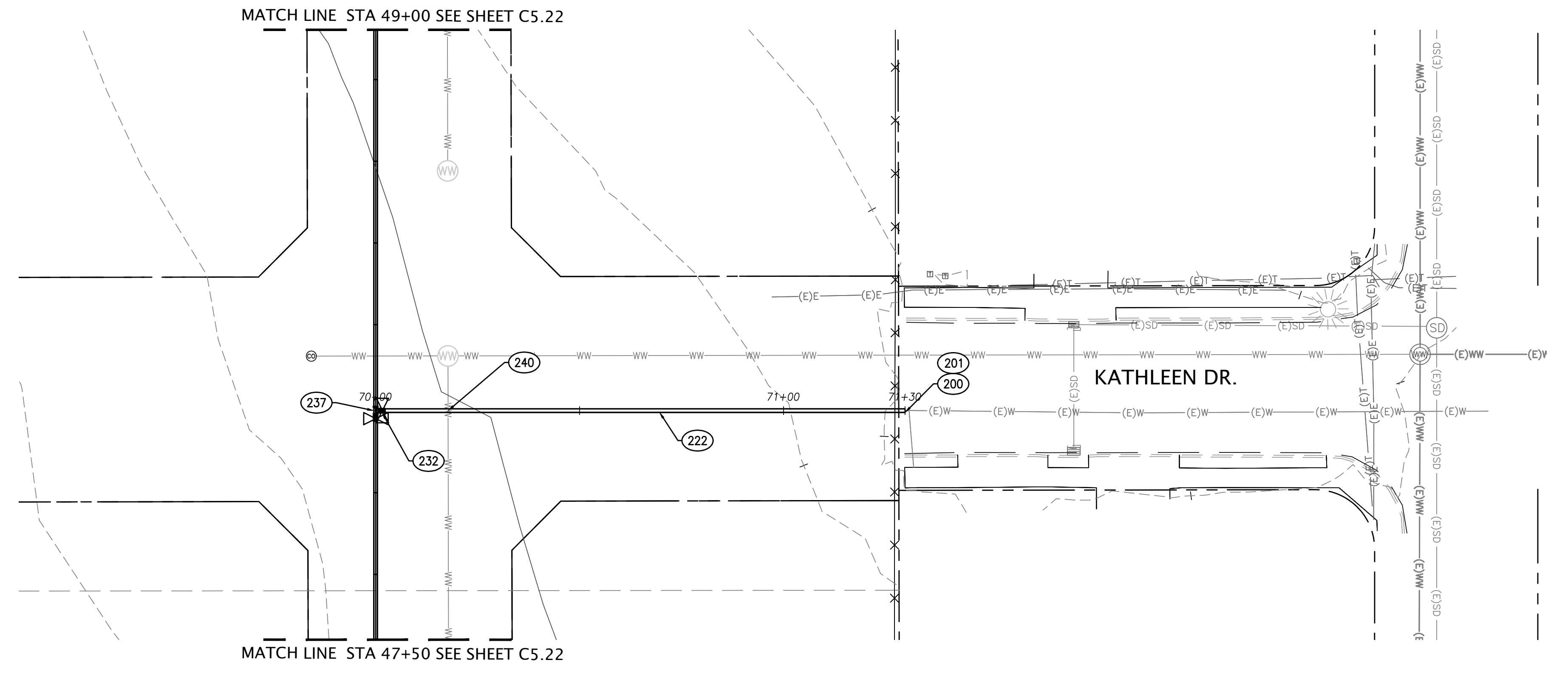
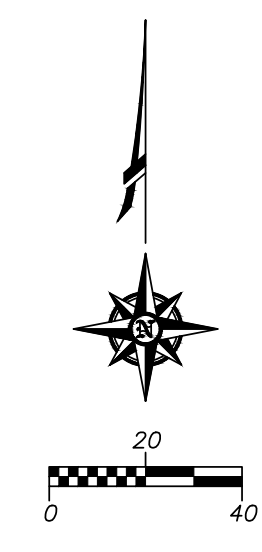
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**CLEVELAND STREET
 CAPITAL IMPROVEMENT PROJECT**

WATER MAIN PLAN AND PROFILE
 S 4th ST. STA. 49+50 TO 53+80

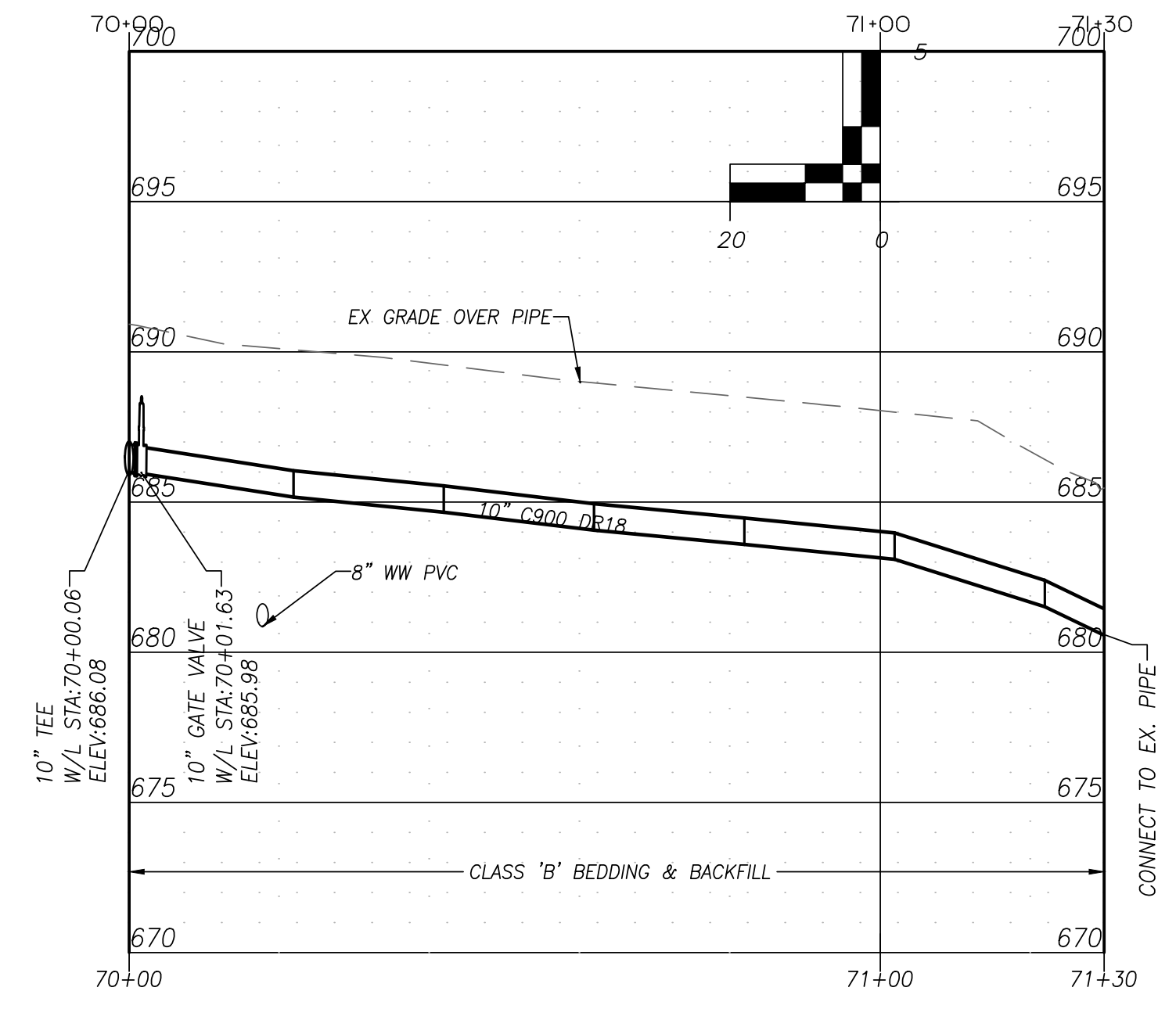
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C5.23

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CONSTRUCTION NOTES:

- 200 CITY OF COTTAGE GROVE PUBLIC WORKS TO MAKE FINAL CONNECTION TO EXISTING WATER LINE WITH HOT TAP WITH GATE VALVE. CONTRACTOR TO COORDINATE WORK WITH CITY.
- 201 POT HOLE EXISTING UTILITY LINE AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 222 FURNISH AND INSTALL 10" PVC C-900 (DR 18) WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300, SHEET C6.01. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 48" OF COVER.
- 232 FURNISH AND INSTALL 10" GATE VALVE (RESILIENT WEDGE) WITH RETAINER GLANDS. AND VALVE BOX PER CITY OF COTTAGE GROVE STANDARD DRAWING 408, SHEET C6.04.
- 237 FURNISH AND INSTALL 10" TEE WITH RETAINER GLANDS. PROVIDE MECHANICAL JOINT THRUST RESTRAINT.
- 240 WATER AND SANITARY/STORM SEWER CROSSINGS TO BE IN ACCORDANCE WITH OAR 333-061-0050 (9). CONTRACTOR TO CENTER ONE FULL LENGTH OF WATER PIPE WITH ONE FULL LENGTH OF SANITARY/STORM AT EACH CROSSING.



KATHLEEN DRIVE WATERLINE PROFILE
 SCALE: HORZ. 1" = 20'
 VERT. 1" = 5'

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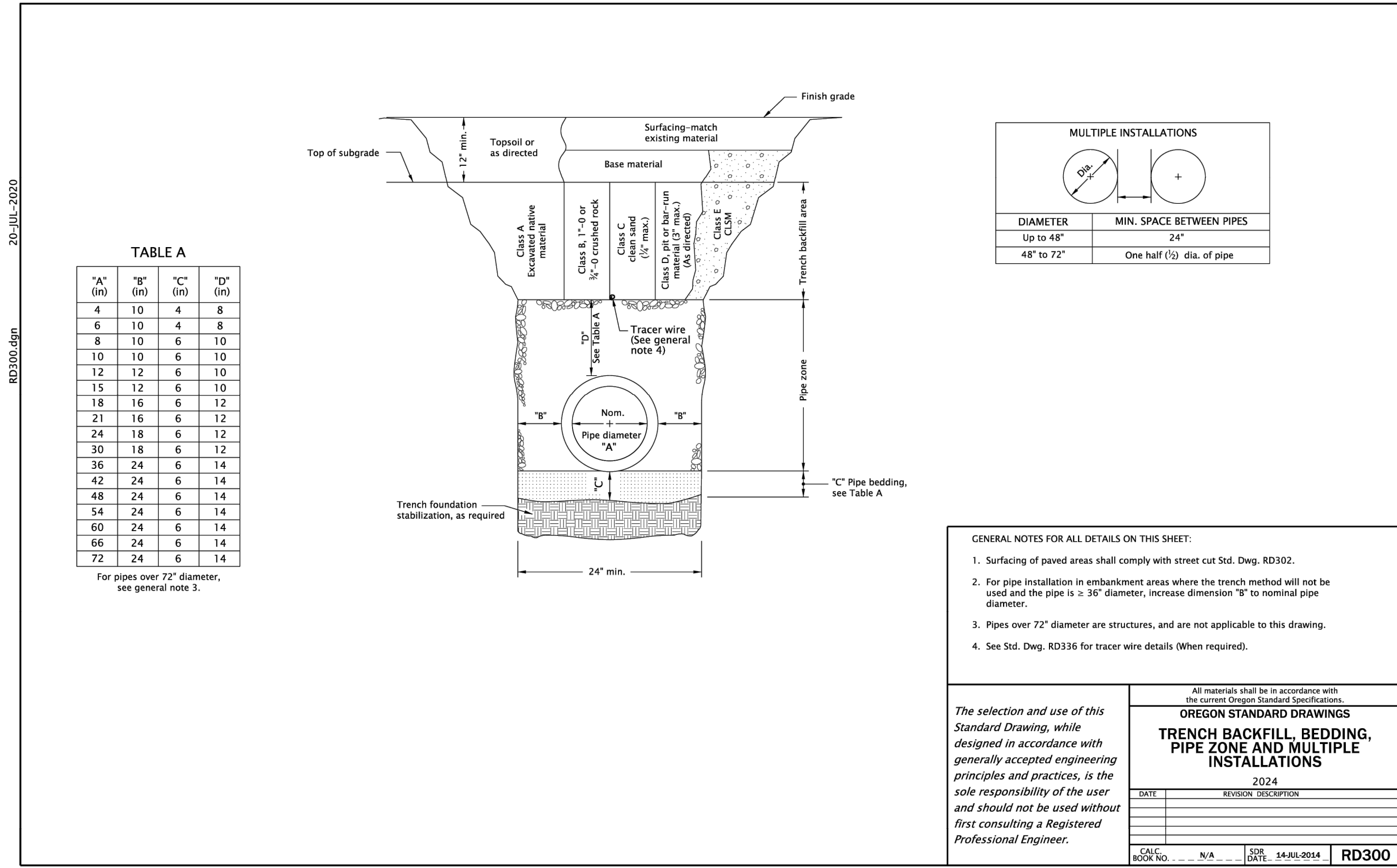
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No.	DESCRIPTION	DATE

**CLEVELAND STREET
 CAPITAL IMPROVEMENT PROJECT**

**WATER MAIN PLAN AND PROFILE
 KATHLEEN DR. STA. 70+00 TO 71+30**

Sheet No.
C5.31

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- GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:
1. Surfacing of paved areas shall comply with street cut Std. Dwg. RD302.
 2. For pipe installation in embankment areas where the trench method will not be used and the pipe is $\geq 36"$ diameter, increase dimension "B" to nominal pipe diameter.
 3. Pipes over 72" diameter are structures, and are not applicable to this drawing.
 4. See Std. Dwg. RD336 for tracer wire details (When required).

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

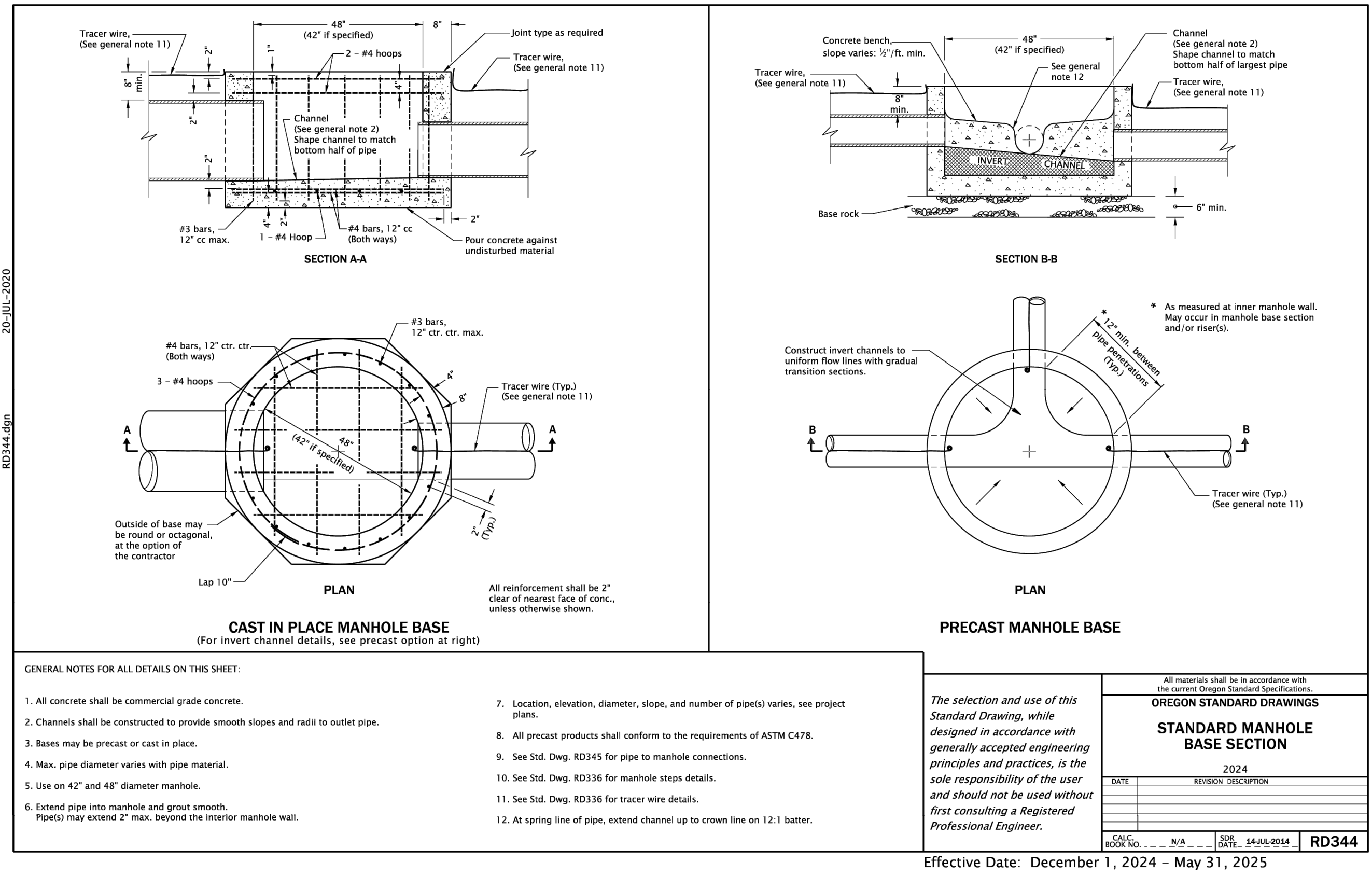
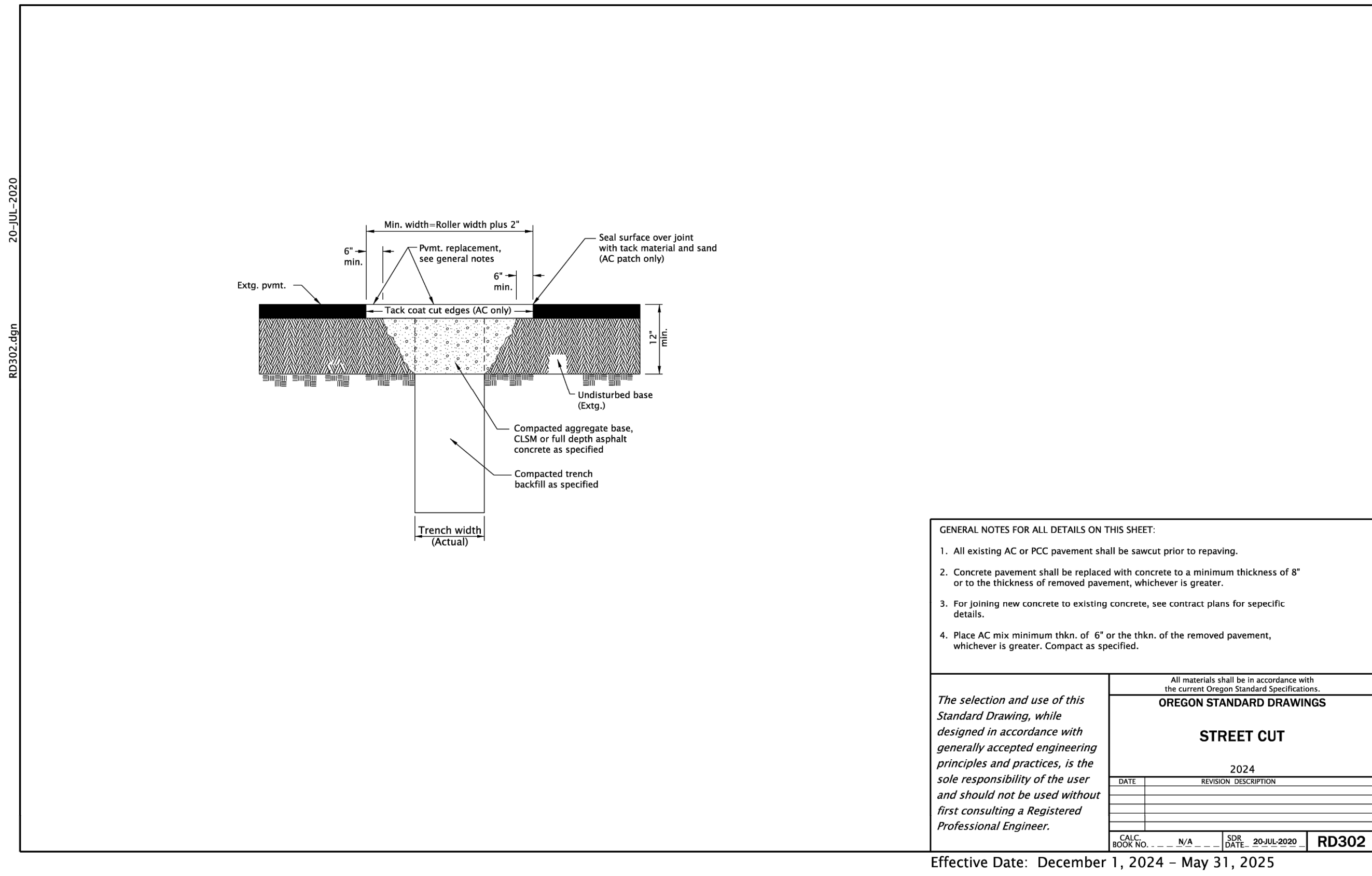
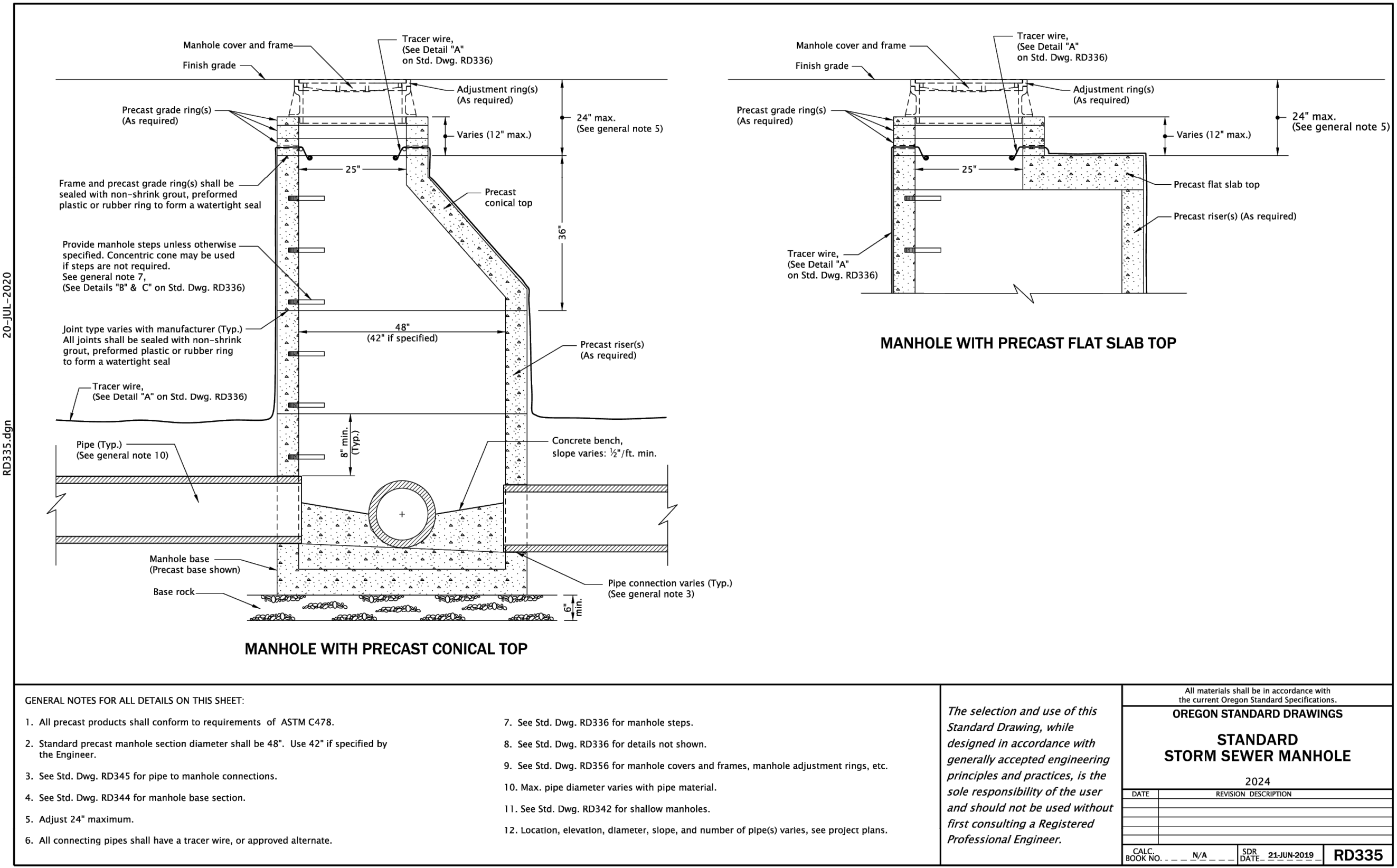
All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS
TRENCH BACKFILL, BEDDING, PIPE ZONE AND MULTIPLE INSTALLATIONS
 2024

DATE: _____ REVISION: _____

CALC. BOOK NO. N/A SDR DATE: 14-JUL-2014 **RD300**

Effective Date: December 1, 2024 – May 31, 2025



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 EXPIRES: JUNE 30, 2025

CITY OF COTTAGE GROVE ENGINEERING
 400 Main Street Cottage Grove, OR 97424

REVISIONS:		
No.	DESCRIPTION	DATE

CLEVELAND STREET CAPITAL IMPROVEMENT PROJECT

DETAIL SHEET 1

Sheet No. **C6.01**

DRAWN BY: MBW CHECKED BY: DATE: 12/12/2024

JOB No. 23-001C

**CITY OF COTTAGE GROVE
WATER STANDARD MATERIALS LIST
REVISED NOVEMBER, 2022**

WATER DISTRIBUTION PIPES
 - DUCTILE IRON PIPE STANDARD: PACIFIC STATES DUCTILE IRON PIPE OR EQUAL AWWA C104/C111/C150/C151 - 4" THRU 16"; MIN. CLASS S2, SPOOLS - MIN. CLASS S2
 - DUCTILE IRON PIPE STANDARD: PACIFIC STATES DUCTILE IRON PIPE OR EQUAL AWWA C104/C111/C150/C151 - 4" THRU 16"; MIN. CLASS S2, SPOOLS - MIN. CLASS S2
 - HDPE PIPE STANDARD: JM EAGLE WATER HDPE PIPS PIPE OR EQUAL DR 11 ANSII/AWWA C906, ASTM F714, ASTM D3035, ASTM D3350 CELL CLASS 445574C/E, PPI (TR-4) PE 4710, ANSII/NSF 61/14

WATER SERVICE PIPES
 - COPPER PIPE STANDARD: 3/4" OR 1" TYPE "K" COPPER
 - HDPE PIPE STANDARD: 1-1/2" OR 2" TYPE "K" HARD DRAWN COPPER
 - HDPE PIPE STANDARD: CENCORE HDPE PIPE OR EQUAL - 3/4" THRU 2", SDR 9 CTS, HDPE 4710, ASTM D2239, ASTM D2737, ASTM D3350 CELL CLASS PE 445576C AND SHALL BE C03 PER ASTM F2263

FIRE HYDRANT STANDARDS: KENNEDY (GUARDIAN) 5-1/2" x 6" MECHANICAL JOINT, AWWA C502-18 (YELLOW); APPROVED ALTERNATE: MUELLER (CENTURION).

RESILIENT SEATED (EPOXY COATED) GATE VALVE STANDARD: 2" TO 12" AWWA C515 MUELLER, KENNEDY, AMERICAN FLOW CONTROL.

BRASS SERVICE LINE FITTINGS STANDARD: AWWA C800-94, FORD, A.Y. McDONALD, OR MUELLER CO. ONLY, 3/4" & 1" TAPS C.C. THREADS, FULL PORT, BALL STYLE CORPORATION & METER STOP FLARED FITTINGS. ALTERNATE: MUELLER 110 & FORD Q STYLE COMPRESSION FITTINGS.

METER BOXES, 3/4" TO 1" SERVICES STANDARD: METER BOX & LID: ARMORCAST POLYMER CONCRETE BOX (A600485) WITH A600484-H2 LID; BROOKS NO. 36MB WITH - 36SP COVER; DFW PLASTICS DFW486WBC4-12 BODY WITH DFW486WBC4-12-4MPT 63D NHK LID

METER BOXES, 1-1/2" OR 2" SERVICES WITH METER SETTER: ARMORCAST A600164PCX18 BOX (17" X 30" X 18" WITH SINGLE TOP MOUNT AMR/AMI COVER/LID); DFW PLASTICS DFW1730C4-18 BODY WITH DFW1730C-4MPT LID WITH AMR PAD AND HOLE.

METER BOXES, 1-1/2" OR 2" SERVICES WITHOUT METER SETTER: ARMORCAST A600164PCX12 BOX (17" X 30" X 12" WITH SINGLE TOP MOUNT AMR/AMI COVER /LID); DFW PLASTICS DFW1324C4-12 BODY WITH DFW1324C4-12-4MPT 63D NHK.

METER SETTERS, 1-1/2" OR 2" SERVICES: FORD NO. VBH-87-12B-11-77

VALVE BOXES STANDARD: TYLER 6860 SCREW TYPE VALVE BOX WITH TYLER 5 1/4 DROP LID (PART NO. 145325) LID STAMPED "WATER".

2" TAPPING SADDLES: MUELLER (DB2A) DOUBLE STRAP, IRON PIPE THREAD. APPROVED ALTERNATE: ROMAC 202.

LIVE (HOT) TAPPING SADDLES, TAP SIZE 4" AND LARGER STANDARD: FOR ALL SIZES JCM 432, ALL STAINLESS.

DUCTILE IRON FITTINGS STANDARD: AWWA C110/C115/C153/C104, TYLER OR APPROVED EQUAL WITH 350 PSI PRESSURE RATING WHERE AVAILABLE OR 250 PSI PRESSURE RATING WHERE NOT AVAILABLE.

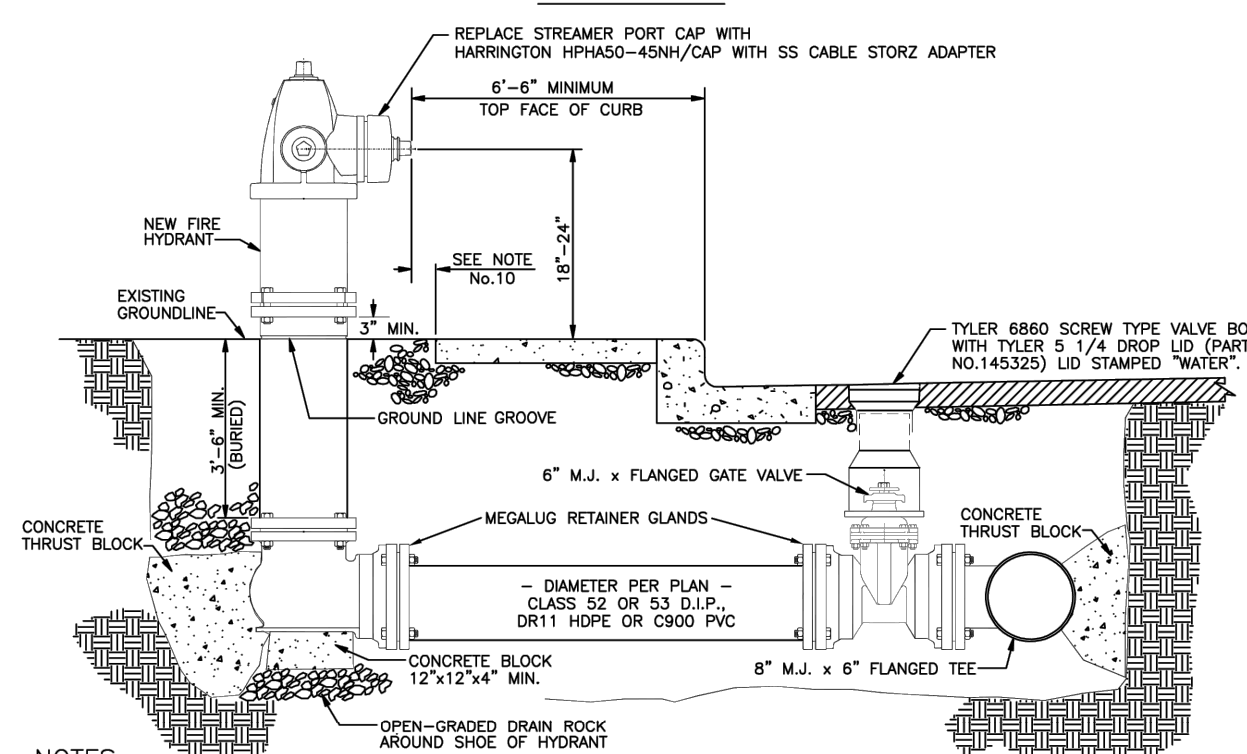
RETAINER GLANDS STANDARD: EBBA IRON MEGALUG (MJ PIPE), ROMAC GRIPRINGMOVE, OR U.S. PIPE FIELD LOK GASKETS.

BUTTERFLY VALVE STANDARD 14" OR LARGER: PRATT APPROVED ALTERNATE: KENNEDY

DISTRIBUTION PUMPS STANDARD: CORNELL. TRACER WIRE: 14 GAUGE, SOLID CORE, BLUE COATING

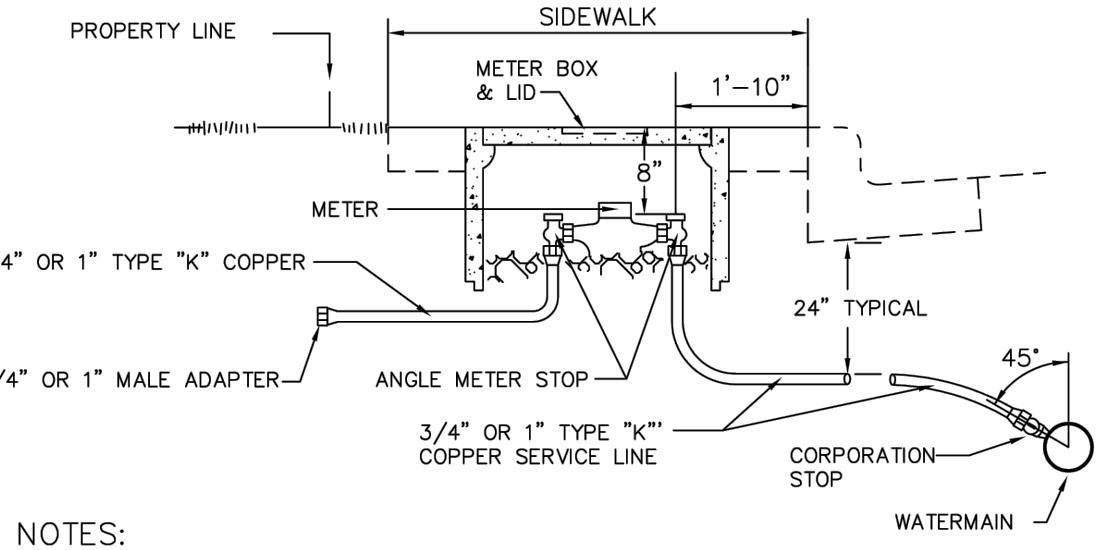
NO.	DATE	BY	DESIGN: ENG. DEPT.	CITY OF COTTAGE GROVE
4	5/30/02	RKB	DRAWN: CDN	STANDARD MATERIALS LIST FOR WATER NO. 400 ADOPTED DATE: _____ SHEET OF _____
5	9/1/03	SEH	APPROVED BY:	
6	4/17/13	SEH		
7	5/4/22	RKB	CITY ENGINEER	
8	11/23/22	RKB	DATE: _____	

HYDRANT



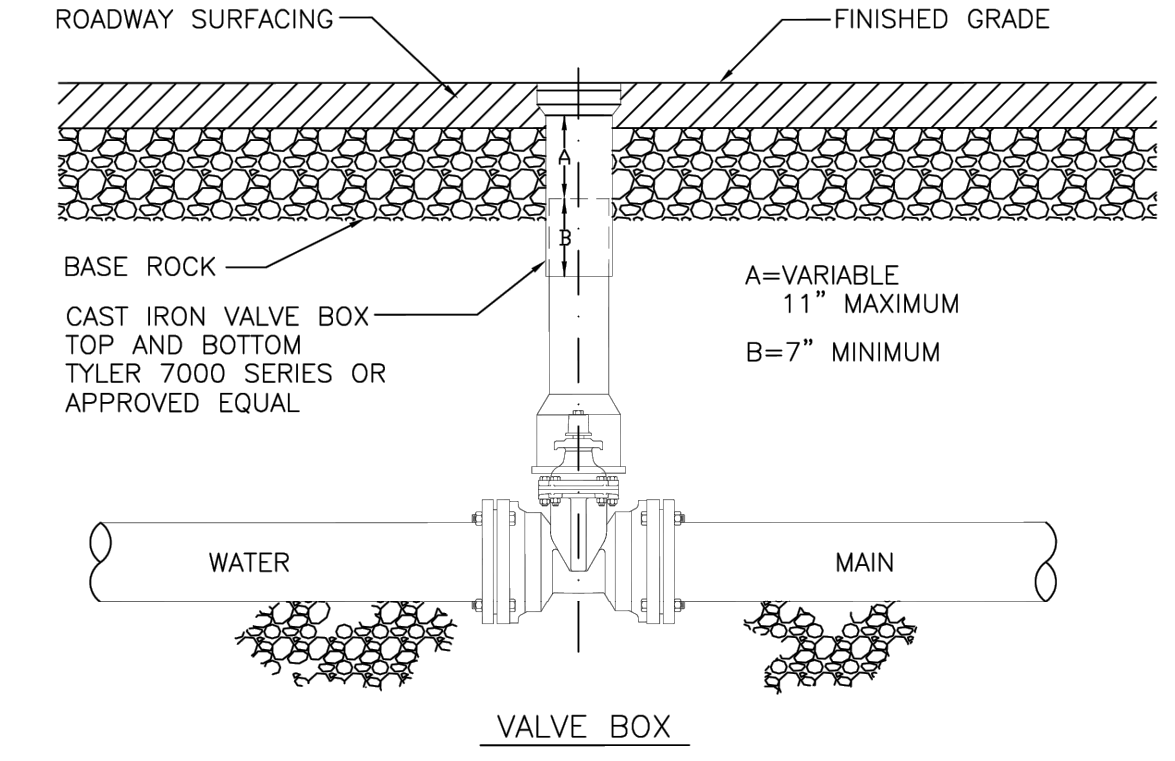
- NOTES:**
- FIRE HYDRANT SHALL CONFORM TO AWWA C502-18 AND SHALL BE KENNEDY "GUARDIAN" OR MUELLER "CENTURION". FIRE HYFRANT SHALL BE MECHANICAL JOINT UNLESS OTHERWISE NOTED ON THE PLAN AND APPROVED BY THE ENGINEER.
 - GATE VALVE SHALL BE RESILIENT SEAT, NON-RISING STEM CONFORMING TO AWWA C509-15 AND SHALL BE MUELLER, KENNEDY OR AMERICAN FLOW CONTROL.
 - FIRE HYDRANT RESTRAINT SHALL BE MECHANICAL JOINT WITH MEGALUG RETAINER GLAND AND CONCRETE THRUST BLOCK WITH 3.6 S.F. BEARING AREA ON UNDISTURBED MATERIAL, AS SPECIFIED FOR A 90° BEND (SEE CITY STANDARD DETAIL NO. 402 THRUST BLOCKS).
 - THRUST BLOCK AT MF TEE SHALL BE PLACED PER CITY STANDARD DETAIL NO. 402 FOR THRUST BLOCKS UNLESS OTHERWISE NOTED ON THE PLAN AND APPROVED BY THE CITY ENGINEER.
 - PROVIDE 6 MIL. POLYETHYLENE SHEETING BETWEEN FITTINGS AND CONCRETE. LEAVE HYDRANT WEEP HOLES OPEN.
 - FIRE HYDRANT SHALL BE BACKFILLED WITH 3/4"-0 CRUSHED ROCK CONFORMING TO SECTION 00641 OF THE MOST CURRENT VERSION OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION AND SHALL BE COMPACTED TO 95% MAXIMUM DENSITY.
 - DRAIN ROCK SHALL BE 1" OPEN GRADED AND SHALL BE PLACED TO A POINT 6" ABOVE THE HYDRANT DRAIN.
 - EXTENSIONS (SPOOLS) FOR FIRE HYDRANT HEIGHT ADJUSTMENT WILL NOT BE PERMITTED.
 - WHERE NO SIDEWALK IS INSTALLED, THE CONTRACTOR SHALL INSTALL THE HYDRANT SO THAT THE STEAMER PORT IS 6 FEET FROM THE FACE OF CURB.
 - WHERE SIDEWALK IS GREATER THAN 5' WIDE, THE CONTRACTOR SHALL INSTALL NEW FIRE HYDRANT 1'-0" BEHIND BACK OF WALK.
 - REPLACE STEAMER PORT CAP WITH A HARRINGTON HPH450-45NH/CAP ADAPTER AND STAINLESS STEEL CABLE. 1'-0" BEHIND BACK OF WALK.

NO.	DATE	BY	DESIGN: ENG. DEPT.	CITY OF COTTAGE GROVE
1	8/22/00	RKB	DRAWN: CDN	FIRE HYDRANT ASSEMBLY NO. 401 ADOPTED DATE: _____ SHEET OF _____
2	5/30/02	RKB	APPROVED BY:	
3	11/17/03	SEH		
4	01/02/18	RKB	CITY ENGINEER	
5	11/08/22	RKB	DATE: _____	



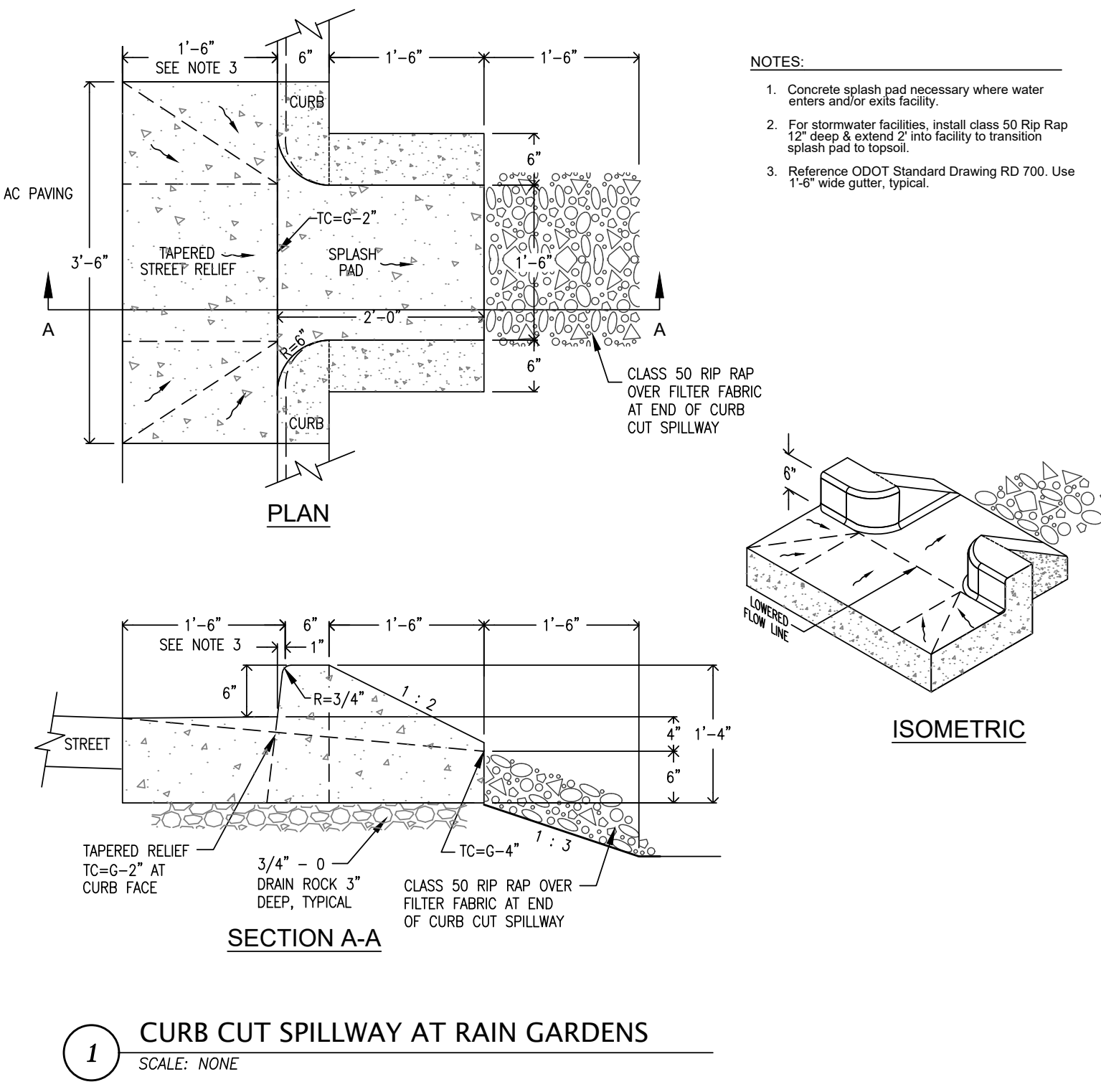
- NOTES:**
- 3/4" CORPORATION STOP SHALL BE FULL PORT, BALL TYPE, MUELLER B25008-3/4", FORD FB10004-Q, OR A.Y. McDONALD 4701BQ-3/4". 1" CORPORATION STOP SHALL BE FULL PORT, BALL TYPE, MUELLER B25008-1", FORD FB10003-Q, OR A.Y. McDONALD 4701BQ-1".
 - 3/4" ANGLE METER STOP SHALL BE FULL PORT, BALL TYPE, MUELLER B-24258R-3/4", OR FORD BA43-332W-Q, OR A.Y. McDONALD 4642BQ-3/4" CTC MC. 1" ANGLE METER STOP SHALL BE FULL PORT, BALL TYPE, MUELLER B24258R-1", FORD BA43-444W-Q, OR A.Y. McDONALD 4642BQ-1" CTC MC.
 - WATER SERVICE LINE SHALL BE 3/4" OR 1" TYPE "K" SOFT COPPER PIPING CONFORMING TO ASTM B-88.
 - METER BOX SHALL BE FIBERLITE SP-C111 CHRISTY WITH SP-CLID37-1220C-DR COVER AND SP-C59-CI DROP-IN LID, OR APPROVED EQUAL. BOX INSIDE MEASUREMENTS: 11" X 18" X 12"
 - BACKFILL IN METER BOX SHALL BE 3/4"-0 CRUSHED ROCK TO THE BOTTOM OF THE METER.
 - TRENCH BACKFILL AND RESTORATION WORK (IF ANY) SHALL CONFORM TO CITY STANDARD DRAWINGS AND SPECIFICATIONS, AND ALL WORK SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER.
 - CITY SHALL INSTALL WATER METER, CHECK VALVE, AND SUPPLY LINE TO BACK PROPOSED OR EXISTING SIDEWALK.
 - SPACING BETWEEN OUTSIDE EDGES OF METER BOXES SHALL BE SIX (6) INCHES MINIMUM.

NO.	DATE	BY	DESIGN: ENG. DEPT.	CITY OF COTTAGE GROVE
1	3-14-01	SEH	DRAWN: CDN	WATER SERVICE FOR 3/4" OR 1" (MAINTENANCE DEPARTMENT) NO. 403A ADOPTED DATE: _____ SHEET OF _____
2	11/18/03	SEH	APPROVED BY:	



- NOTES:**
- VALVE BOXES SHALL BE CENTERED DIRECTLY OVER THE VALVE NUT AND SHALL BE PLACED IN A VERTICAL POSITION.
 - VALVE BOX TOP SHALL BE ADJUSTED TO MEET FINISHED GRADE.
 - VALVE BOX BOTTOM SHALL BE AS SPECIFIED ABOVE. PVC OR COUPLERS WILL NOT BE PERMITTED.
 - VALVE BOX TOP AND BOTTOM OVERLAP SHALL BE A MINIMUM OF 7 INCHES.

NO.	DATE	BY	DESIGN: ENG. DEPT.	CITY OF COTTAGE GROVE
			DRAWN: SEH	WATER VALVE BOX NO. 408 ADOPTED DATE: _____ SHEET OF _____
			CHECKED: RKB	
			APPROVED BY:	
			CITY ENGINEER	
			DATE: _____	



1 CURB CUT SPILLWAY AT RAIN GARDENS
SCALE: NONE

Oldcastle Precast Water **18", 24", 30" Headwall** Model: HEADWALL

2 CONCRETE HEADWALL (1)
SCALE: NONE

Headwall
Weight - See Table
Item# - See Table

Texas Region For more information about our products please visit us on the web at: oldcastleprecast.com © 2013 Oldcastle Precast, Inc. 8-17 888-9 Oldcastle (888-965-3227)

Oldcastle Precast Water **18", 24", 30" Headwall** Model: HEADWALL

3 CONCRETE HEADWALL (2)
SCALE: NONE

Pipe I.D.	"A"	"B"	"C"	"D"	"E"	"F"	"G"	Weight	Item#
18"	35"	24"	48"	30"	7"	18"	30"	2170 Lbs.	1221020
24"	42"	36"	69"	36"	9"	18"	28"	4000 Lbs.	1221040
30"	49"	60"	111"	41"	11"	18"	27"	4885 Lbs.	1221060

SPECIFICATIONS:

- Concrete: Class "C" with design strength of 5000 PSI at 28 days.
- Steel reinforcement: ASTM A-615 Grade 60 or ASTM A-497 Welded wire fabric.
- Loading: Designed for H20 Loading.
- C.I. Castings: ASTM A48, Class 3035.
- All exposed Corners shall be Chamfered 3/4".

Texas Region For more information about our products please visit us on the web at: oldcastleprecast.com © 2013 Oldcastle Precast, Inc. 8-18 888-9 Oldcastle (888-965-3227)

Z:\2023\23-001C Cottage Grove South Road & Bridge Feasibility (Civil Production Drawings) Construction Sheets\23-001C.C.C. CIP-DETA (US Reg 12/12/2024 3:31 PM ANDREW)

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#62780PE
DIGITALLY SIGNED
OREGON
JULY 13, 2004
DAMIEN GILBERT
EXPIRES: JUNE 30, 2025

CITY OF COTTAGE GROVE ENGINEERING
400 Main Street Cottage Grove, OR 97424

REVISIONS:

No.	DESCRIPTION	DATE

**CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT**

DETAIL SHEET 3

Sheet No. **C6.03**

DRAWN BY: MBW CHECKED BY: DATE: 12/12/2024 JOB No. 23-001C

**CITY OF COTTAGE GROVE
WATER STANDARD MATERIALS LIST
REVISED NOVEMBER, 2022**

WATER DISTRIBUTION PIPES

- DUCTILE IRON PIPE STANDARD: PACIFIC STATES DUCTILE IRON PIPE OR EQUAL AWWA C104/C111/C150/C151 - 4" THRU 16" MIN. CLASS 52, SPOOLS - MIN. CLASS 52
- DUCTILE IRON PIPE STANDARD: PACIFIC STATES DUCTILE IRON PIPE OR EQUAL AWWA C104/C111/C150/C151 - 4" THRU 16" MIN. CLASS 52, SPOOLS - MIN. CLASS 52
- HDPE PIPE STANDARD: JM EAGLE WATER HDPE DIPS PIPE OR EQUAL DR 11 ANSIA/AWWA C906, ASTM F714, ASTM D3035, ASTM D3350 CELL CLASS 445574/CIE, PPI (TR-4) PE 4710, ANSINSF 611/4

WATER SERVICE PIPES

- COPPER PIPE STANDARD: 3/4" OR 1" TYPE "K" COPPER
- HDPE PIPE STANDARD: 1-1/2" OR 2" TYPE "K" HARD DRAWN COPPER
- HDPE PIPE STANDARD: CENCORE HDPE PIPE OR EQUAL - 3/4" THRU 2", SDR 9 CTS, HDPE 4710, ASTM D2239, ASTM D2737, ASTM D3350 CELL CLASS PE 445576C AND SHALL BE CC3 PER ASTM F2283

FIRE HYDRANT STANDARDS: KENNEDY (GUARDIAN) 5-1/2" x 6" MECHANICAL JOINT, AWWA C502-18 (YELLOW), APPROVED ALTERNATE: MUELLER (CENTURION).

RESILIENT SEATED (EPOXY COATED) GATE VALVE STANDARD: 2" TO 12" AWWA C515 MUELLER, KENNEDY, AMERICAN FLOW CONTROL.

BRASS SERVICE LINE FITTINGS STANDARD: AWWA C800-94, FORD, A.Y. McDONALD, OR MUELLER CO. ONLY, 3/4" & 1" TAPS C.C. THREADS, FULL PORT, BALL STYLE CORPORATION & METER STOP FLARED FITTINGS, ALTERNATE: MUELLER 110 & FORD Q STYLE COMPRESSION FITTINGS.

METER BOXES, 3/4" TO 1" SERVICES STANDARD: METER BOX & LID: ARMORCAST POLYMER CONCRETE BOX (A60040S) WITH A60044H2 LID, SPOOLS NO. 36MS WITH - 36SP COVER, DFW PLASTICS DFW486WBC4-12 BODY WITH DFW486WBC4-12-4MPT 63D NHK LID

METER BOXES, 1-1/2" OR 2" SERVICES WITH METER SETTER: ARMORCAST A6001640PCX18 BOX (17" X 20" X 18" WITH SINGLE TOP MOUNT AMR/AMI COVER/LID), DFW PLASTICS DFW1730C4-18 BODY WITH DFW 1730C-4MPT LID WITH AMR PAD AND HOLE.

METER BOXES, 1-1/2" OR 2" SERVICES WITHOUT METER SETTER: ARMORCAST A6001640PCX12 BOX (17" X 20" X 12" WITH SINGLE TOP MOUNT AMR/AMI COVER/LID), DFW PLASTICS DFW1324C4-12 BODY WITH DFW DFW1324C4-12-4MPT 63 D NHK.

METER SETTERS, 1-1/2" OR 2" SERVICES: FORD NO. VBH-87-12B-11-77

VALVE BOXES STANDARD: TYLER 6860 SCREW TYPE VALVE BOX WITH TYLER 5 1/4 DROP LID (PART NO. 145325) LID STAMPED "WATER"

2" TAPPING SADDLES: MUELLER (DBA) DOUBLE STRAP, IRON PIPE THREAD, APPROVED ALTERNATE: ROMAC 202


LIVE (HOT) TAPPING SADDLES, TAP SIZE 4" AND LARGER STANDARD: FOR ALL SIZES JCM 432, ALL STAINLESS.

DUCTILE IRON FITTINGS STANDARD: AWWA C110/C115/C153/C104, TYLER OR APPROVED EQUAL WITH 350 PSI PRESSURE RATINGS WHERE AVAILABLE OR 250 PSI PRESSURE RATINGS WHERE NOT AVAILABLE.

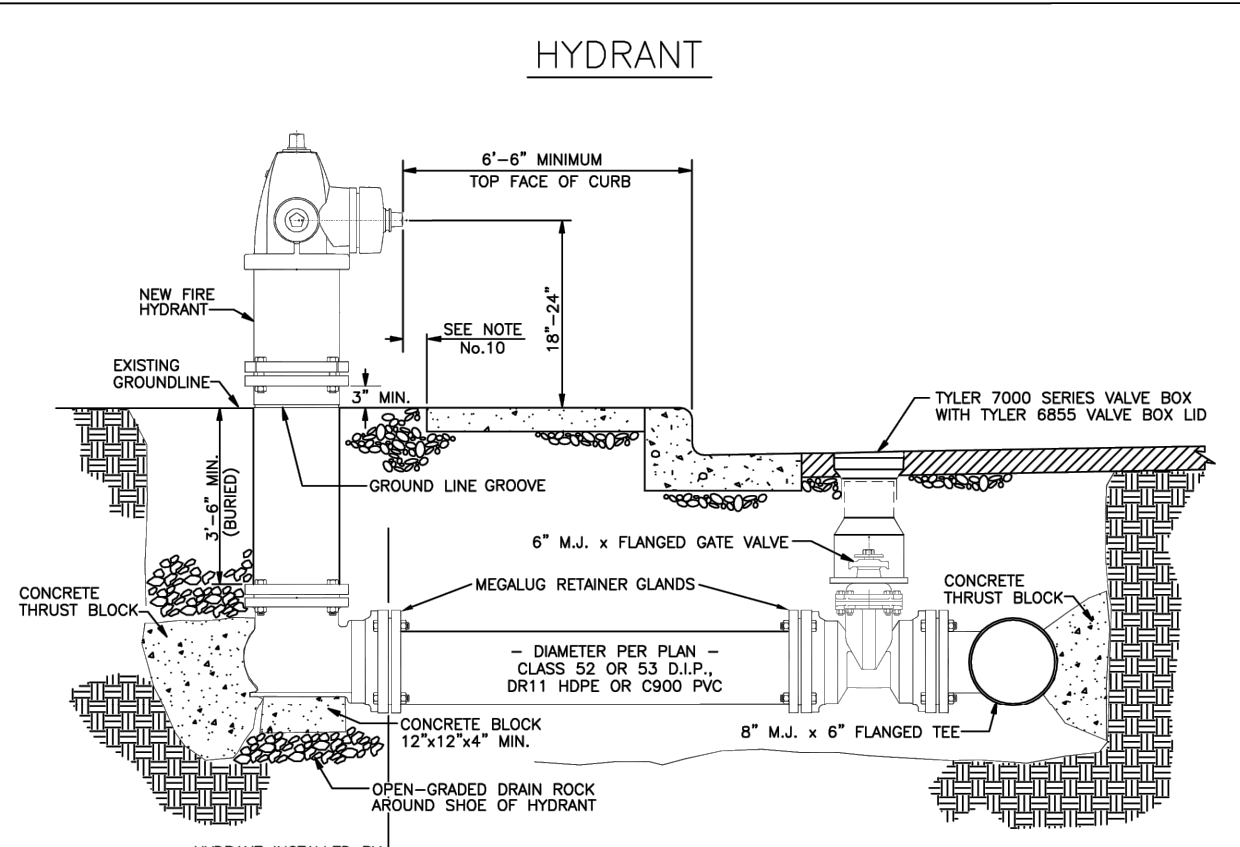
RETAINER GLANDS STANDARD: EBBA IRON MEGALUG (MJ PIPE), ROMAC GRIPRINGMOVE, OR U.S. PIPE FIELD LOK GASKETS.

BUTTERFLY VALVE STANDARD 14" OR LARGER: PRATT APPROVED ALTERNATE: KENNEDY

DISTRIBUTION PUMPS STANDARD: CORNELL, TRACER WIRE: 14 GAUGE, SOLID CORE, BLUE COATING


REVISIONS	DESIGN: ENG. DEPT.		STANDARD MATERIALS LIST FOR WATER	NO. 400 ADOPTED DATE: SHEET OF		
NO.	DATE				BY	DRAWN: CDN
4	5/30/02				RWB	CHECKED:
5	9/1/03				SEH	APPROVED BY:
6	4/17/13				SEH	
7	5/4/22				RWB	
8	11/23/22				RWB	CITY ENGINEER
						DATE:

HYDRANT

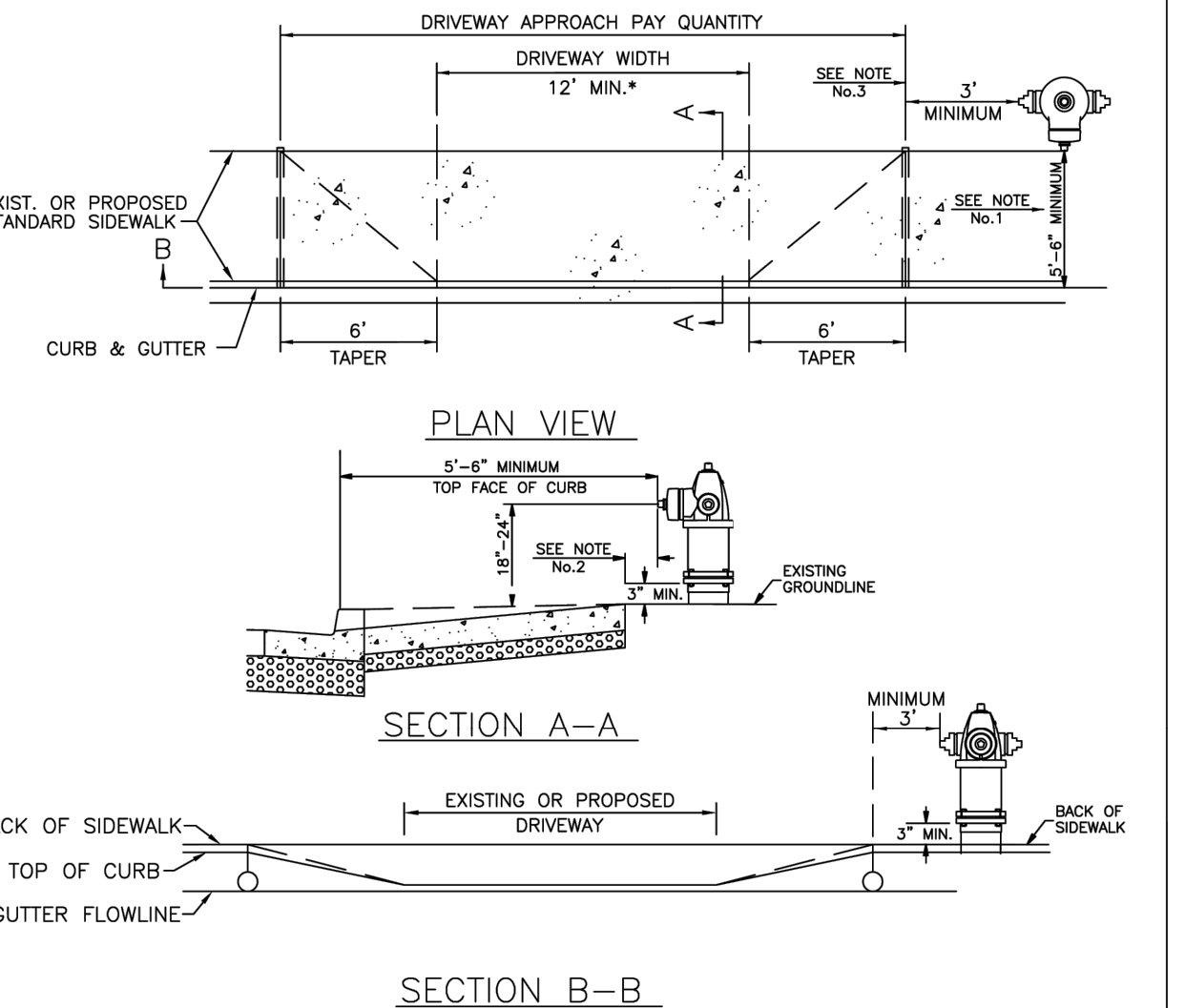


NOTES:

- FIRE HYDRANT SHALL CONFORM TO AWWA G 502-80 AND SHALL BE KENNEDY "GUARDIAN" OR MUELLER "CENTURION". FIRE HYDRANT SHALL BE MECHANICAL JOINT UNLESS OTHERWISE NOTED ON THE PLAN AND APPROVED BY THE ENGINEER.
- GATE VALVE SHALL BE RESILIENT SEAT, NON-RISING STEM CONFORMING TO C-509 AND SHALL BE MUELLER, KENNEDY OR AMERICAN FLOW CONTROL.
- FIRE HYDRANT RESTRAINT SHALL BE MECHANICAL JOINT WITH MEGALUG RETAINER GLAND AND CONCRETE THRUST BLOCK WITH 3.6 S.F. BEARING AREA ON UNDISTURBED MATERIAL, AS SPECIFIED FOR A 90° BEND (SEE THRUST BLOCK STANDARD DETAIL).
- THRUST BLOCK AT 90° BEND SHALL BE PLACED PER CITY STANDARD DRAWING FOR THRUST BLOCKS UNLESS OTHERWISE NOTED ON THE PLAN AND APPROVED BY THE CITY ENGINEER.
- PROVIDE 6 MIL. POLYETHYLENE SHEETING BETWEEN FITTINGS AND CONCRETE. LEAVE HYDRANT WEEP HOLES OPEN.
- FIRE HYDRANT SHALL BE BACKFILLED WITH 3/4"-0 CRUSHED ROCK CONFORMING TO SECTION 00641 OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2002 AND SHALL BE COMPACTED TO 95% MAXIMUM DENSITY.
- DRAIN ROCK SHALL BE 1" OPEN GRADED AND SHALL BE PLACED TO A POINT 6" ABOVE THE HYDRANT DRAIN.
- EXTENSIONS (SPOOLS) FOR FIRE HYDRANT HEIGHT ADJUSTMENT WILL NOT BE PERMITTED.
- WHERE NO SIDEWALK IS INSTALLED, THE CONTRACTOR SHALL INSTALL THE HYDRANT SO THAT THE STEAMER PORT IS 6 FEET FROM THE FACE OF CURB.
- WHERE SIDEWALK IS GREATER THAN 5' WIDE, THE CONTRACTOR SHALL INSTALL NEW FIRE HYDRANT 1'-0" BEHIND BACK OF WALK.


REVISIONS	DESIGN: ENG. DEPT.		FIRE HYDRANT ASSEMBLY	NO. 401 ADOPTED DATE: SHEET OF		
NO.	DATE				BY	DRAWN: CDN
1	8/22/00				CDN	CHECKED:
2	5/30/02				RWB	APPROVED BY:
3	11/17/03				SEH	
4	01/02/18				RWB	
						CITY ENGINEER
						DATE:

FIRE HYDRANT PLACEMENT STANDARD SIDEWALK

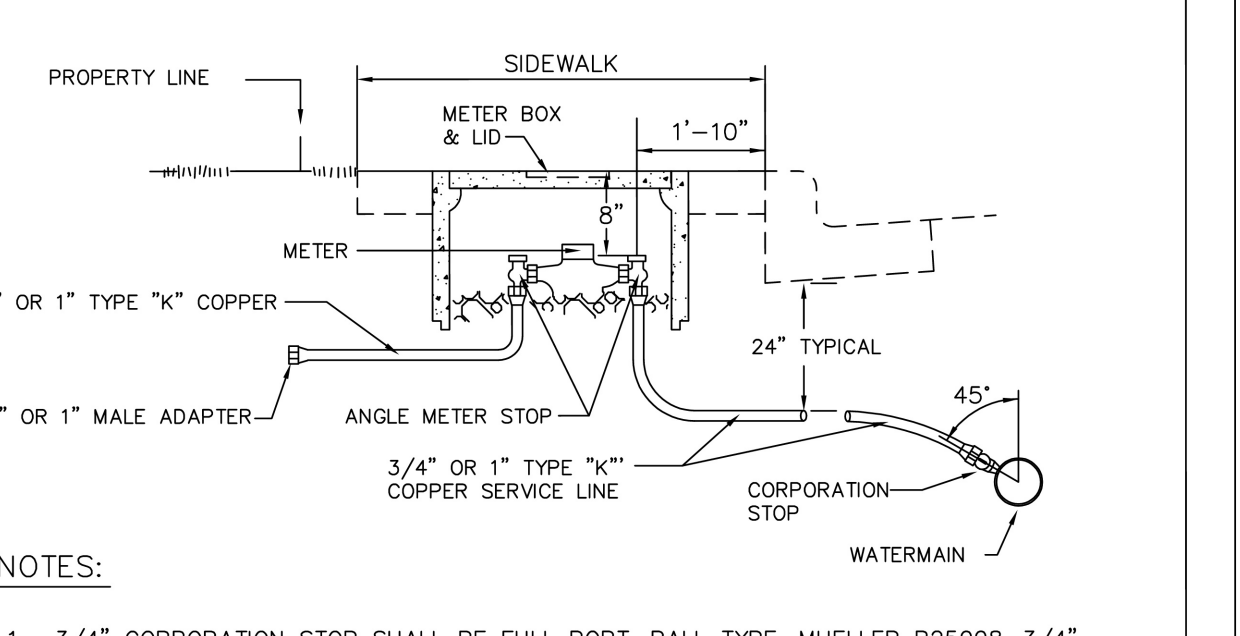


NOTES:

- THE FIRE HYDRANT SHALL BE PLACED SUCH THAT THE FRONT PORT IS FLUSH WITH THE BACK OF SIDEWALK.
- THE DISTANCE BETWEEN THE BOTTOM BREAKAWAY FLANGE AND TOP OF SIDEWALK SHALL BE 3 INCHES.
- THE DISTANCE BETWEEN THE TOP OF THE TAPER TO THE DISCHARGE PORT CAP SHALL BE A MINIMUM OF 3 FEET.


REVISIONS	DESIGN: ENG. DEPT.		FIRE HYDRANT PLACEMENT STANDARD SIDEWALK	NO. 401B ADOPTED DATE: SHEET OF		
NO.	DATE				BY	DRAWN: LJV
1	08/18/04				LJV	CHECKED:
						APPROVED BY:
						CITY ENGINEER
						DATE:

WATER SERVICE FOR 3/4" OR 1" (MAINTENANCE DEPARTMENT)



NOTES:

- 3/4" CORPORATION STOP SHALL BE FULL PORT, BALL TYPE, MUELLER B25008-3/4", FORD FB10004-Q, OR A.Y. McDONALD 4701BQ-3/4". 1" CORPORATION STOP SHALL BE FULL PORT, BALL TYPE, MUELLER B25008-1", FORD FB10003-Q, OR A.Y. McDONALD 4701BQ-1".
- 3/4" ANGLE METER STOP SHALL BE FULL PORT, BALL TYPE, MUELLER B-24258R-3/4", OR FORD BA43-332W-Q, OR A.Y. McDONALD 4642BQ-3/4" CTC MC. 1" ANGLE METER STOP SHALL BE FULL PORT, BALL TYPE, MUELLER B24258R-1", FORD BA43-444W-Q, OR A.Y. McDONALD 4642BQ-1" CTC MC.
- WATER SERVICE LINE SHALL BE 3/4" OR 1" TYPE "K" SOFT COPPER PIPING CONFORMING TO ASTM B-88.
- METER BOX SHALL BE FIBERLITE SP-C111 CHRISTY WITH SP-CLID37-1220C-DR COVER AND SP-C59-CL DROP-IN LID, OR APPROVED EQUAL. BOX INSIDE MEASUREMENTS: 11" X 18" X 12"
- BACKFILL IN METER BOX SHALL BE 3/4"-0 CRUSHED ROCK TO THE BOTTOM OF THE METER.
- TRENCH BACKFILL AND RESTORATION WORK (IF ANY) SHALL CONFORM TO CITY STANDARD DRAWINGS AND SPECIFICATIONS, AND ALL WORK SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER.
- CITY SHALL INSTALL WATER METER, CHECK VALVE, AND SUPPLY LINE TO BACK PROPOSED OR EXISTING SIDEWALK.
- SPACING BETWEEN OUTSIDE EDGES OF METER BOXES SHALL BE SIX (6) INCHES MINIMUM.

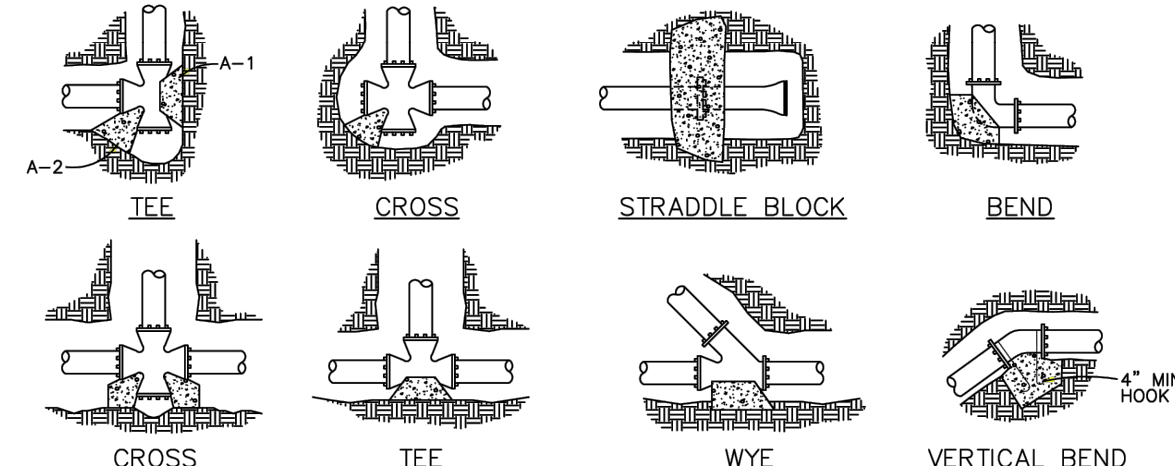
REVISIONS	DESIGN: ENG. DEPT.		WATER SERVICE FOR 3/4" OR 1" (MAINTENANCE DEPARTMENT)	NO. 403A ADOPTED DATE: SHEET OF		
NO.	DATE				BY	DRAWN: CDN
1	3-14-01				SEH	CHECKED:
2	11/18/03				SEH	APPROVED BY:
						CITY ENGINEER
						DATE:

THRUST BLOCKING

FITTING SIZE	(HORIZONTAL) BEARING AREA OF THRUST BLOCKS IN SQUARE FEET				(VERTICAL) VOLUME OF THRUST BLOCKS IN CUBIC YARDS					
	TEE, WYE, DEAD END AND HYDRANT	STRADDLE BLOCK	TEE PLUGGED ON RUN	45° BEND	22-1/2° BEND	11-1/4° BEND	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND
4	1.0	1.6	1.4	1.9	1.4	1.0	---	---	---	---
6	2.1	3.7	3.0	4.3	3.0	1.6	1.0	---	---	---
8	3.8	6.5	5.3	7.6	5.4	2.9	1.5	1.0	2.3	1.1
10	5.9	10.2	8.4	11.8	8.4	4.6	2.4	1.2	3.7	1.8
12	8.5	14.7	12.0	17.0	12.0	6.6	3.4	1.7	5.5	2.8
14	11.5	---	16.3	23.0	16.3	8.9	4.6	2.3	7.6	3.9
16	15.0	26.1	21.3	30.0	21.3	11.6	6.0	3.0	9.9	5.1
18	19.0	---	27.0	38.0	27.0	14.6	7.6	3.8	---	---
20	23.5	40.8	33.3	47.0	33.3	18.1	9.4	4.7	---	---
24	34.0	58.8	48.0	68.0	48.0	26.2	13.6	6.8	---	---


NOTES:

- ABOVE BEARING AREAS BASED ON TEST PRESSURE OF 150 PSI AND AN ALLOWABLE SOIL BEARING STRESS OF 2000 POUNDS PER SQUARE FOOT. TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESSES, USE THE FOLLOWING EQUATION:
BEARING AREA = (TEST PRESSURE / 150) x (2000 / SOIL BEARING STRESS) x (TABLE VALUE)
- ABOVE VOLUMES BASED ON TEST PRESSURE OF 150 PSI AND THE WEIGHT OF CONCRETE = 4050 POUNDS PER CUBIC YARD. TO COMPUTE FOR DIFFERENT TEST PRESSURES, USE THE FOLLOWING EQUATION:
VOLUME = (TEST PRESSURE / 150) x (TABLE VALUE)

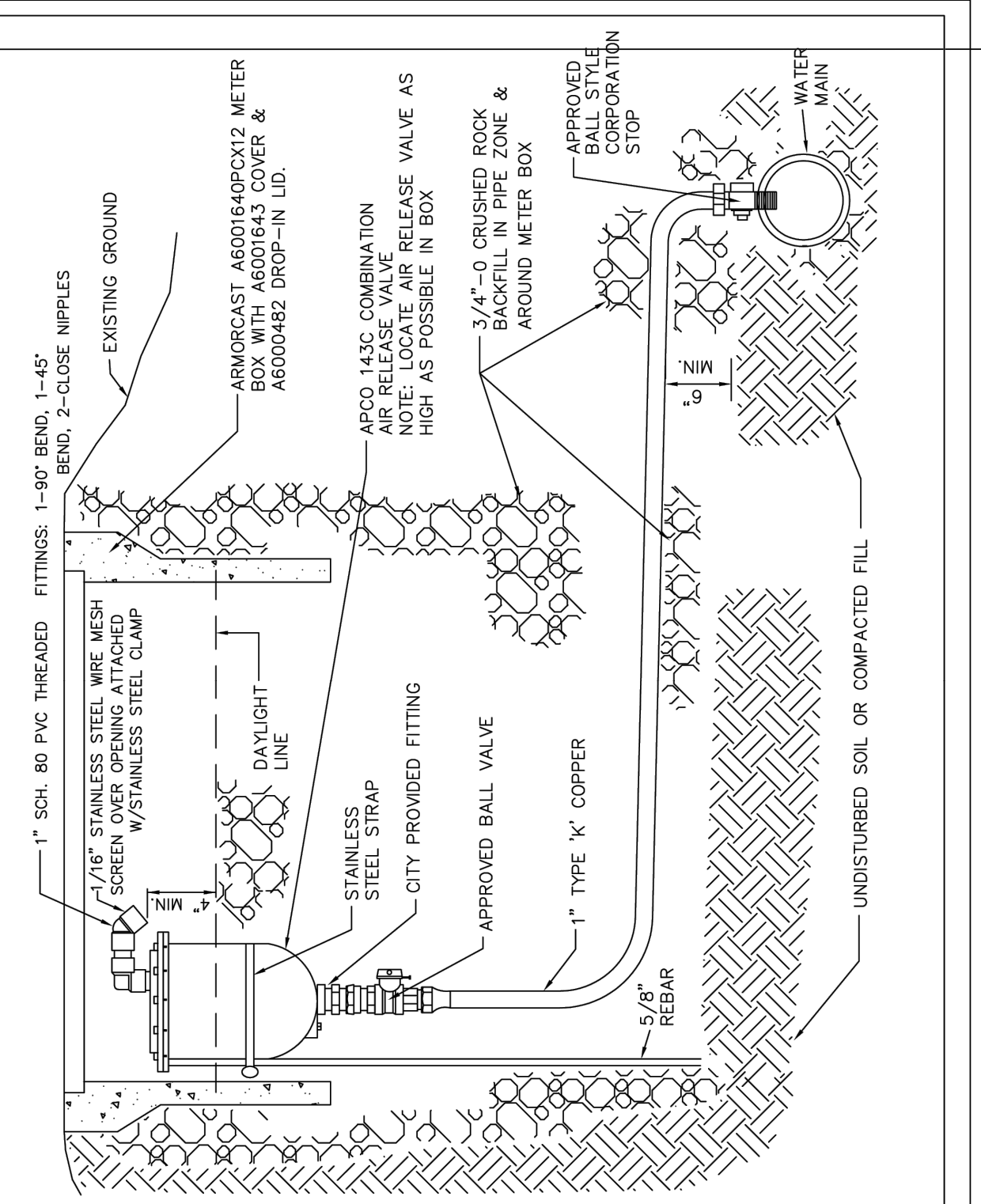


RODS FOR VERTICAL BENDS

FITTING SIZE	ROD SIZE	EMBEDMENT
12" AND LESS	#6	30"
14"-16"	#8	36"


REVISIONS	DESIGN: ENG. DEPT.		THRUST BLOCKING	NO. 402 ADOPTED DATE: SHEET OF		
NO.	DATE				BY	DRAWN: CDN
1	11/18/03				SEH	CHECKED:
						APPROVED BY:
						CITY ENGINEER
						DATE:

1" COMBINATION AIR RELEASE VALVE

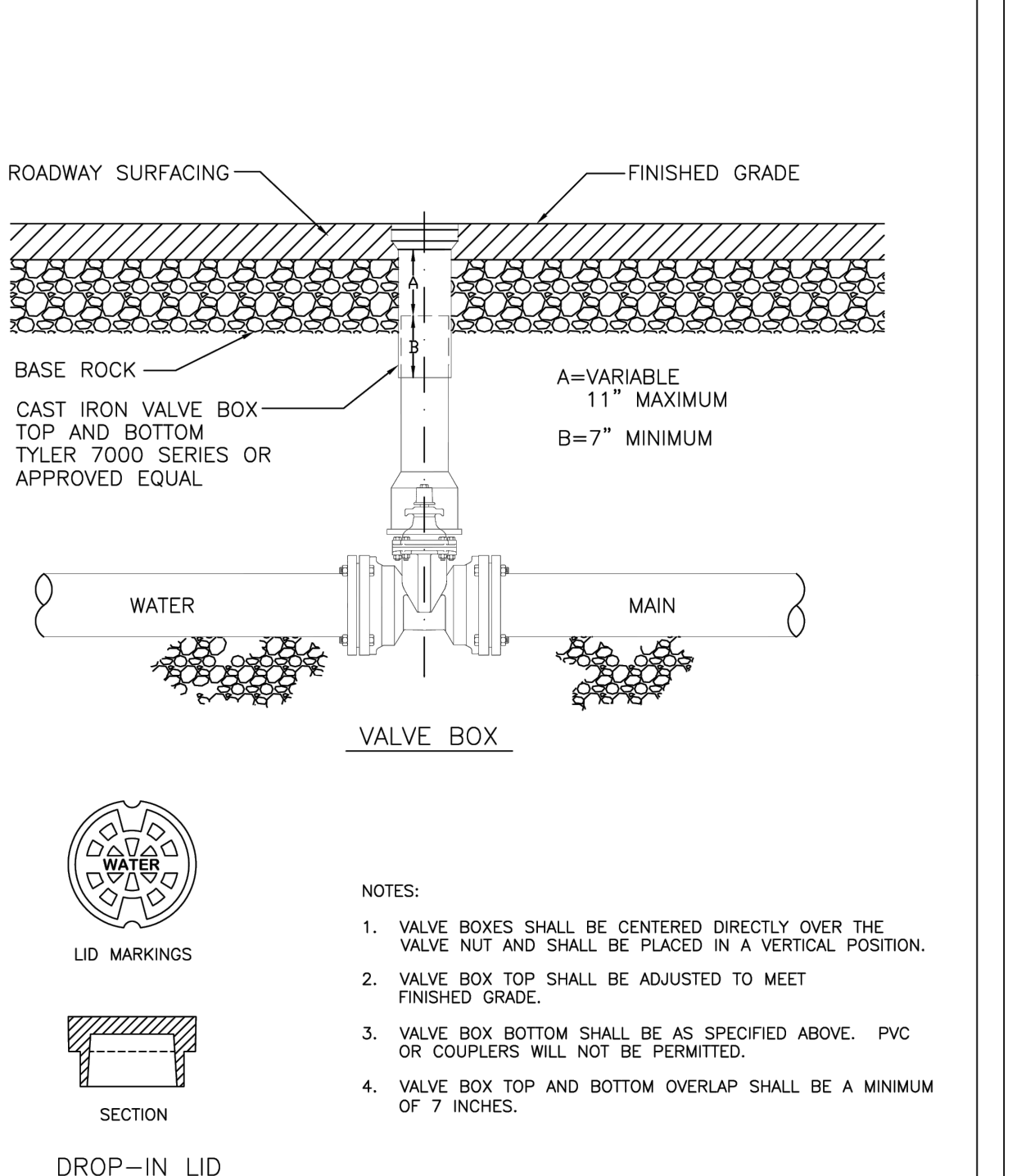


NOTES:

- 1" SCH. 80 PVC THREADED FITTINGS: 1"-90° BEND, 1"-45° BEND, 2"-CLOSE NIPPLES
- ARMORCAST A6001640PCX12 METER BOX WITH A6001643 COVER & A600482 UNGR-IN LID.
- APPROX. 14" COMBINATION AIR RELEASE VALVE AS SHOWN. NOTE: LOCATE AIR RELEASE VALVE AS HIGH AS POSSIBLE IN BOX.
- 3/4"-0 CRUSHED ROCK BACKFILL IN PIPE BOX AROUND METER BOX.
- APPROVED BALL STYLE CORPORATION STOP
- WATER MAIN
- UNDISTURBED SOIL OR COMPACTED FILL
- 5/8" REBAR
- 1" TYPE "K" COPPER
- APPROVED BALL VALVE
- CITY PROVIDED FITTING
- STAINLESS STEEL STRAP
- DAYLIGHT LINE
- 1/4" STAINLESS STEEL WIRE MESH SCREEN OVER OPENING ATTACHED W/STAINLESS STEEL CLAMP
- EXISTING GROUND

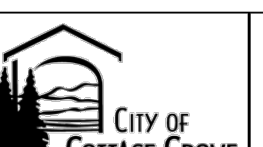
REVISIONS	DESIGN: ENG. DEPT.		1" COMBINATION AIR RELEASE VALVE	NO. 406 ADOPTED DATE: SHEET OF		
NO.	DATE				BY	DRAWN: CDN
1	11/18/03				SEH	CHECKED:
						APPROVED BY:
						CITY ENGINEER
						DATE:

WATER VALVE BOX



NOTES:

- VALVE BOXES SHALL BE CENTERED DIRECTLY OVER THE VALVE NUT AND SHALL BE PLACED IN A VERTICAL POSITION.
- VALVE BOX TOP SHALL BE ADJUSTED TO MEET FINISHED GRADE.
- VALVE BOX BOTTOM SHALL BE AS SPECIFIED ABOVE. PVC OR COUPLERS WILL NOT BE PERMITTED.
- VALVE BOX TOP AND BOTTOM OVERLAP SHALL BE A MINIMUM OF 7 INCHES.

REVISIONS	DESIGN: ENG. DEPT.		WATER VALVE BOX	NO. 408 ADOPTED DATE: SHEET OF		
NO.	DATE				BY	DRAWN: SEH
1	11/18/03				SEH	CHECKED: RWB
						APPROVED BY:
						CITY ENGINEER
						DATE:

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#62780PE
DIGITALLY SIGNED
OREGON
JULY 13, 2004
DAMIEN GILBERT
EXPIRES: JUNE 30, 2025

CITY OF COTTAGE GROVE ENGINEERING
400 Main Street Cottage Grove, OR 97424

REVISIONS:		
No.	DESCRIPTION	DATE

**CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT**

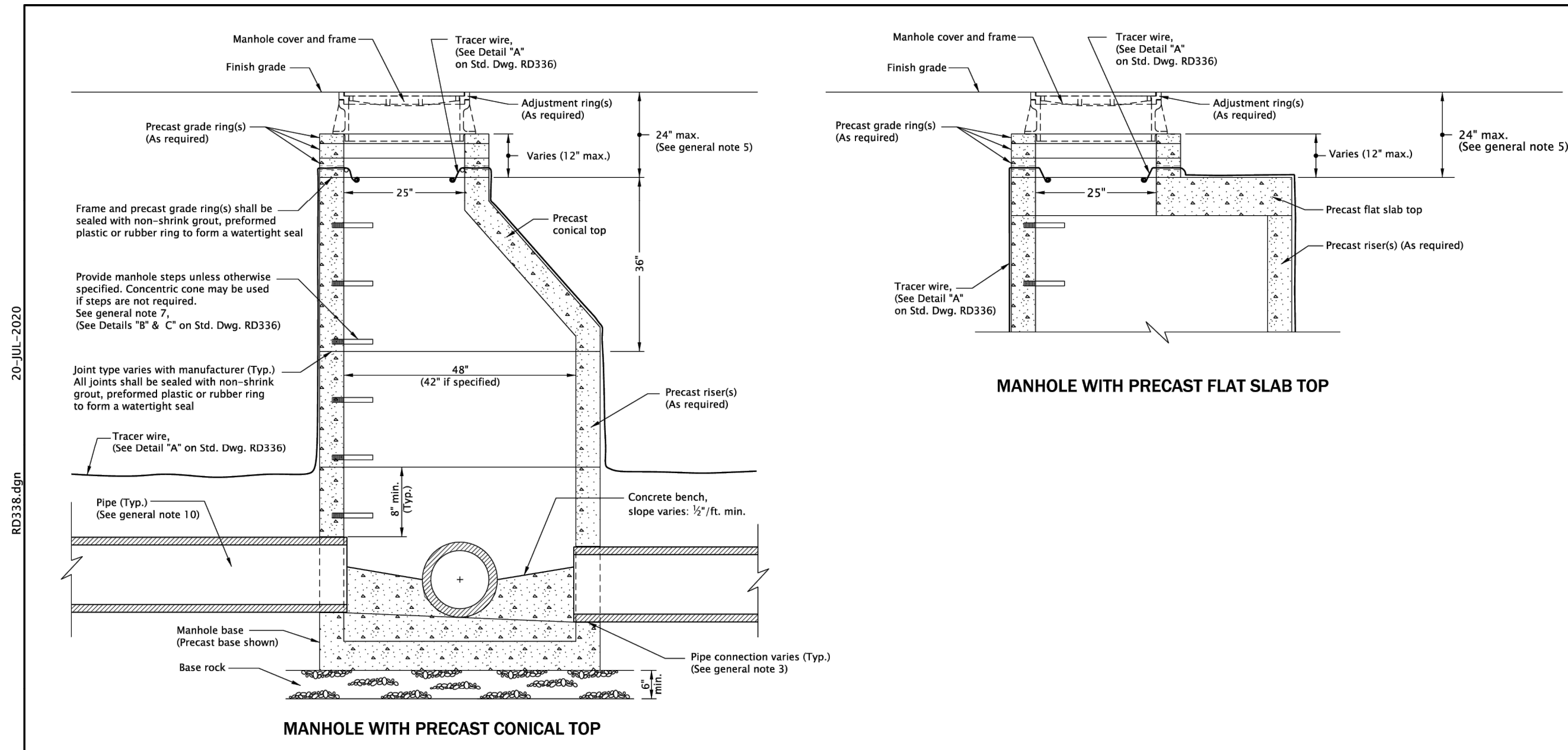
DETAIL SHEET 4

Sheet No. **C6.04**

DRAWN BY: MBW CHECKED BY: DATE: 12/12/2024

JOB No. 23-001C

Z:\2023\23-001C Cottage Grove South Road & Bridge Feasibility\CA\Production Drawings\Construction Sheets\23-001C_CG_CIP-DETA\LS.dwg 12/12/2024 3:31 PM ANDREWS



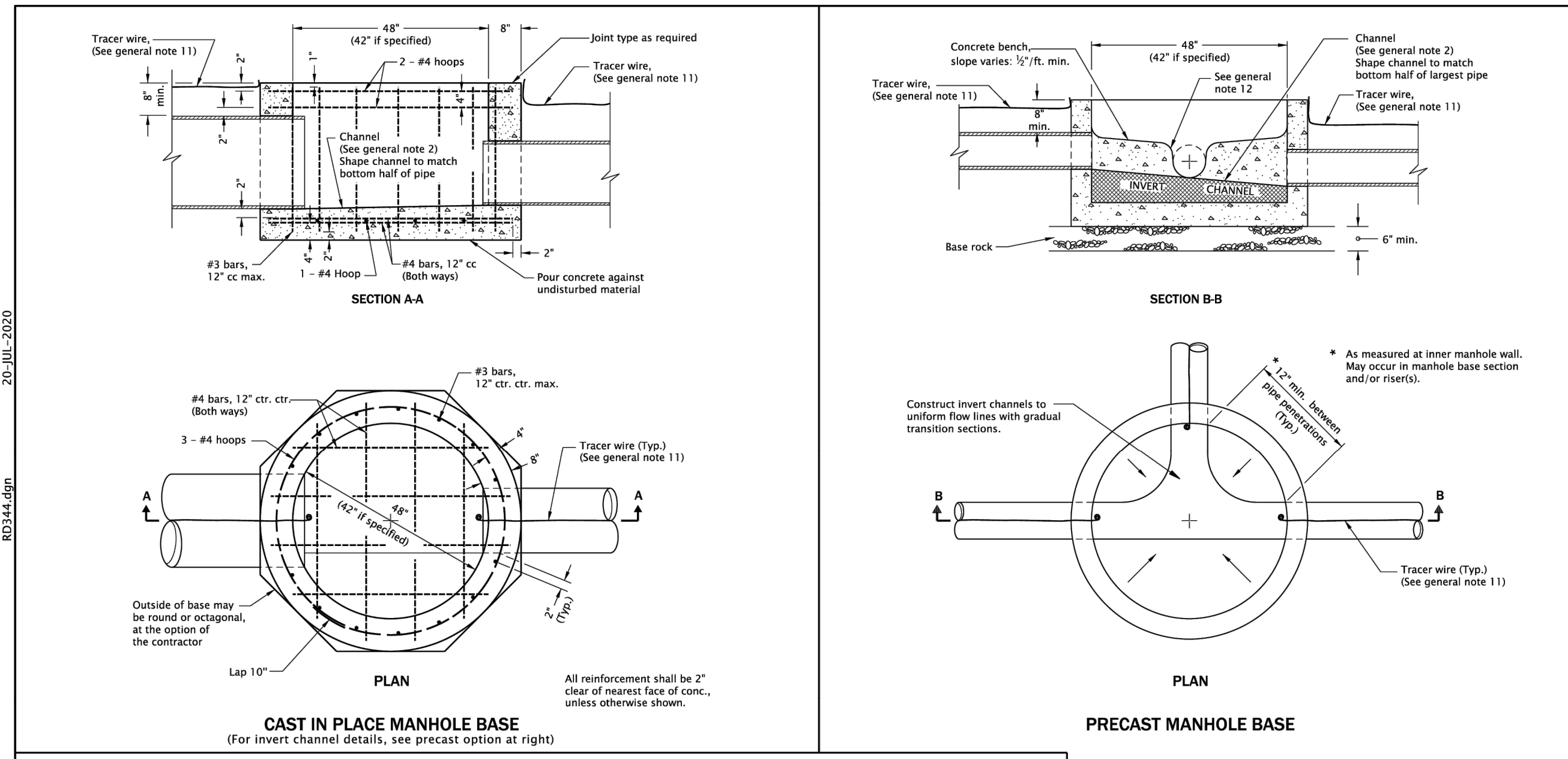
GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- All precast products shall conform to requirements of ASTM C478.
- Standard precast manhole section diameter shall be 48". Use 42" if specified by the Engineer.
- See Std. Dwg. RD345 for pipe to manhole connections.
- See Std. Dwg. RD344 for manhole base section.
- Adjust 24" maximum.
- All connecting pipes shall have a tracer wire, or approved alternate.
- See Std. Dwg. RD336 for manhole steps.
- See Std. Dwg. RD336 for details not shown.
- See Std. Dwg. RD356 for manhole covers and frames, manhole adjustment rings, etc.
- Max. pipe diameter varies with pipe material.
- See Std. Dwg. RD342 for shallow manholes.
- Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.
- This detail limited to interior drop of 24". See Std. Dwg. RD350 or RD352 for drop manhole details for drops in excess of 24".

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS
STANDARD
SANITARY SEWER MANHOLE
 2024
 DATE: _____ REVISION DESCRIPTION: _____
 CALC. NO. N/A DATE: 21-JUN-2019 **RD338**

Effective Date: December 1, 2024 – May 31, 2025



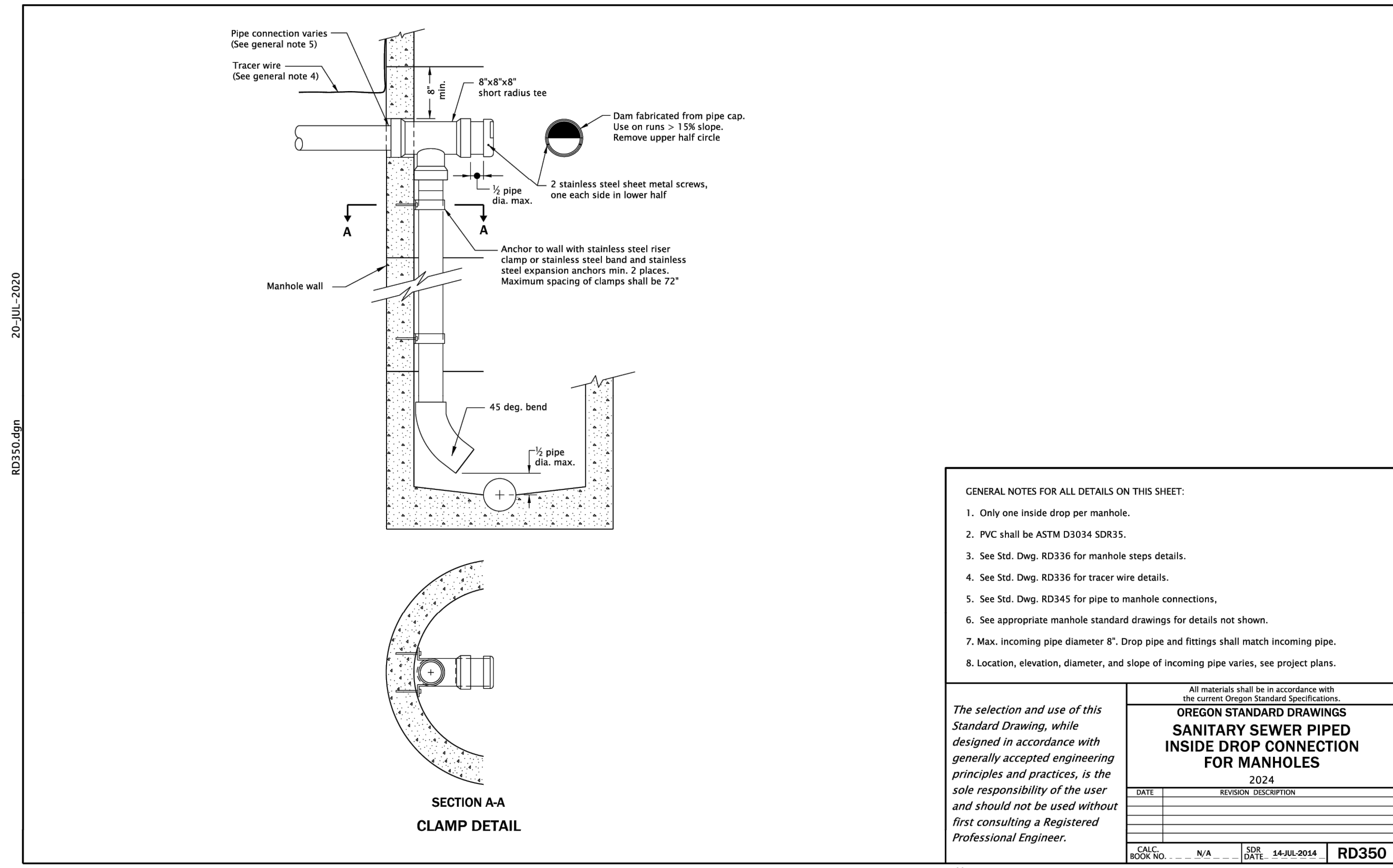
GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- All concrete shall be commercial grade concrete.
- Channels shall be constructed to provide smooth slopes and radii to outlet pipe.
- Bases may be precast or cast in place.
- Max. pipe diameter varies with pipe material.
- Use on 42" and 48" diameter manhole.
- Extend pipe into manhole and grout smooth. Pipe(s) may extend 2" max. beyond the interior manhole wall.
- Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.
- All precast products shall conform to the requirements of ASTM C478.
- See Std. Dwg. RD345 for pipe to manhole connections.
- See Std. Dwg. RD336 for manhole steps details.
- See Std. Dwg. RD336 for tracer wire details.
- At spring line of pipe, extend channel up to crown line on 1:2:1 batter.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS
STANDARD MANHOLE
BASE SECTION
 2024
 DATE: _____ REVISION DESCRIPTION: _____
 CALC. NO. N/A DATE: 14-JUL-2014 **RD344**

Effective Date: December 1, 2024 – May 31, 2025



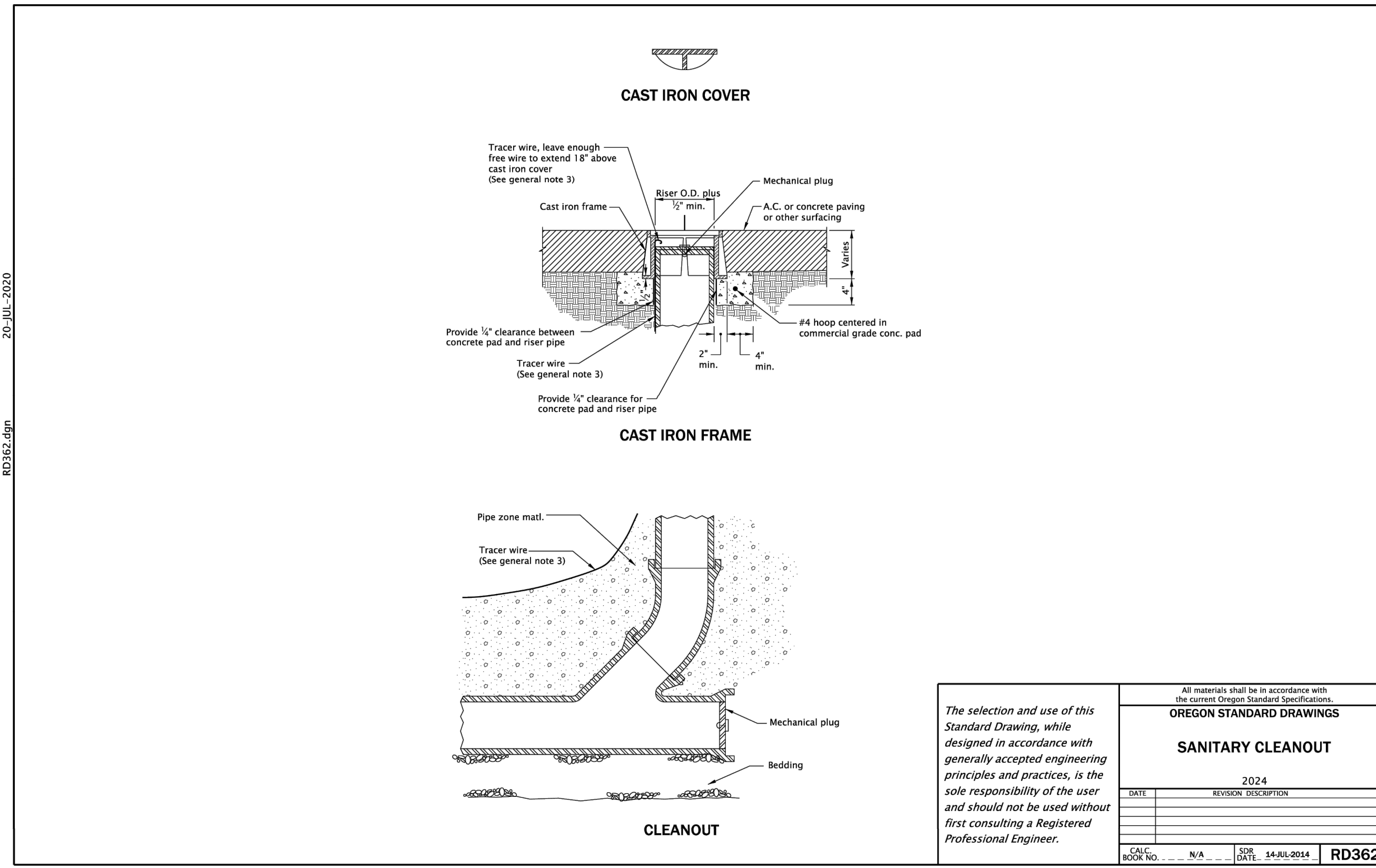
GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Only one inside drop per manhole.
- PVC shall be ASTM D3034 SDR35.
- See Std. Dwg. RD336 for manhole steps details.
- See Std. Dwg. RD336 for tracer wire details.
- See Std. Dwg. RD345 for pipe to manhole connections.
- See appropriate manhole standard drawings for details not shown.
- Max. incoming pipe diameter 8". Drop pipe and fittings shall match incoming pipe.
- Location, elevation, diameter, and slope of incoming pipe varies, see project plans.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS
SANITARY SEWER PIPED
INSIDE DROP CONNECTION
FOR MANHOLES
 2024
 DATE: _____ REVISION DESCRIPTION: _____
 CALC. NO. N/A DATE: 14-JUL-2014 **RD350**

Effective Date: December 1, 2024 – May 31, 2025



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Only one inside drop per manhole.
- PVC shall be ASTM D3034 SDR35.
- See Std. Dwg. RD336 for manhole steps details.
- See Std. Dwg. RD336 for tracer wire details.
- See Std. Dwg. RD345 for pipe to manhole connections.
- See appropriate manhole standard drawings for details not shown.
- Max. incoming pipe diameter 8". Drop pipe and fittings shall match incoming pipe.
- Location, elevation, diameter, and slope of incoming pipe varies, see project plans.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS
SANITARY CLEANOUT
 2024
 DATE: _____ REVISION DESCRIPTION: _____
 CALC. NO. N/A DATE: 14-JUL-2014 **RD362**

Effective Date: December 1, 2024 – May 31, 2025

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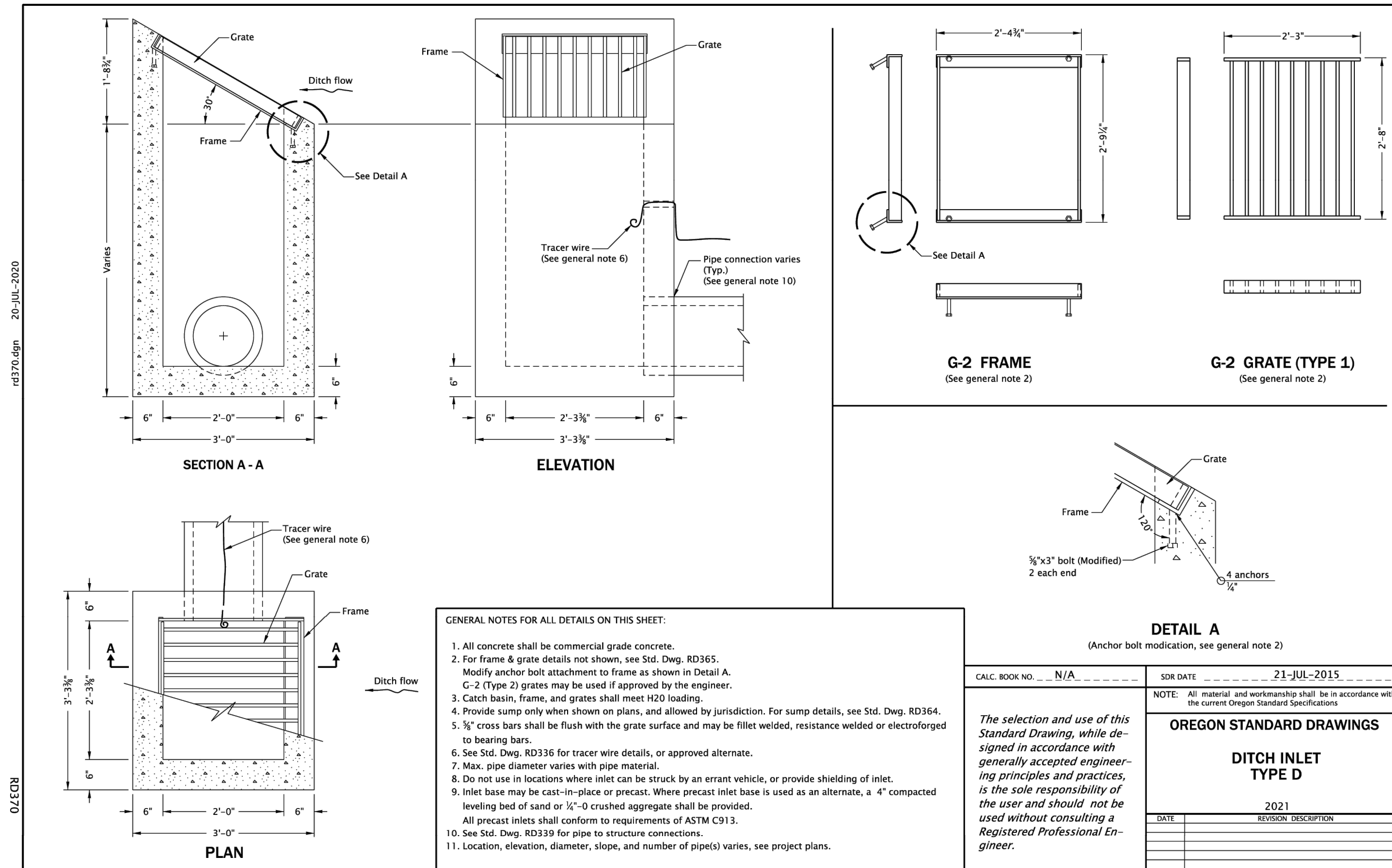
CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

DETAIL SHEET 5

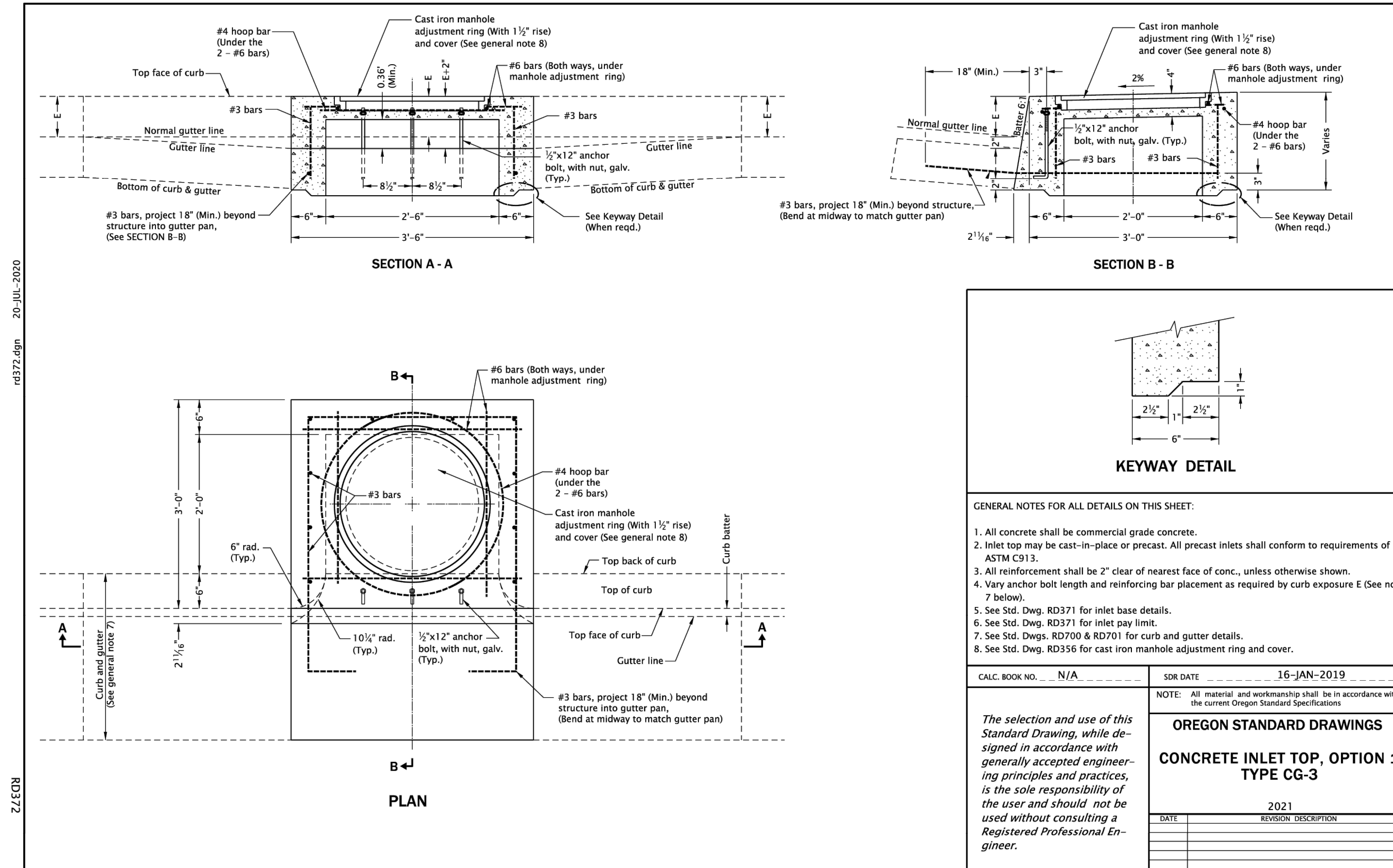
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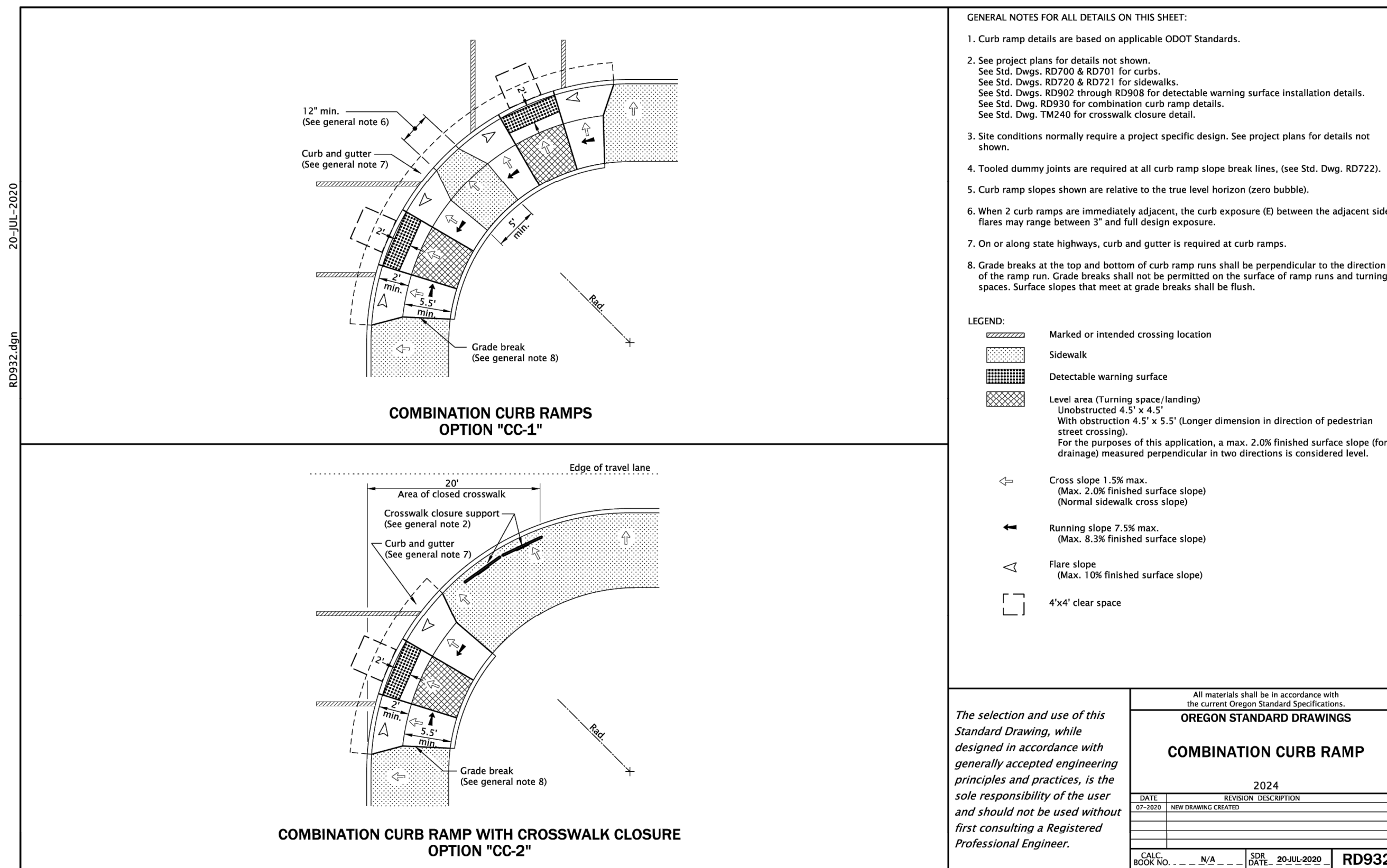
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Effective Date: June 1, 2021 – November 30, 2021 RD370



Effective Date: June 1, 2022 – November 30, 2022 RD372



Effective Date: December 1, 2024 – May 31, 2025 RD932



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CLEVELAND STREET CAPITAL IMPROVEMENT PROJECT

DETAIL SHEET 6

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BMP MATRIX FOR CONSTRUCTION PHASE

BMP	CLEARING/ DEMO	MASS GRADING/ STREET/UTILITY CONSTRUCTION	FINAL STABILIZATION
BIOBAGS	X	X	X
BIOSWALES			
CHECK DAMS			
COMPOST BERM			
COMPOST BLANKETS			
COMPOST SOCKS			
CONCRETE TRUCK WASHOUT		X	
CONSTRUCTION ENTRANCE	X	X	
DEWATERING (TREATMENT LOCATION, SCHEMATIC & SAMPLING PLAN REQUIRED)			
DRAINAGE SWALES			
EARTH DIKES (STABILIZED)			
ENERGY DISSIPATORS			
EROSION CONTROL BLANKETS AND MATS (SPECIFY TYPE)			
HYDROSEEDING			
INLET PROTECTION	X	X	X
MULCHES (SPECIFY TYPE)			
MYCORRHIZAE/BIOFERTILIZERS			
NATURAL BUFFER ZONES			
ORANGE FENCING (PROTECTING SENSITIVE/PRESERVED AREAS)			
OUTLET PROTECTION			X
PERMANENT SEEDING AND PLANTING			X
PIPE SLOPE DRAINS			
PLASTIC SHEETING	X	X	
PRESERVE EXISTING VEGETATION	X	X	X
SEDIMENT FENCE			
SEDIMENT BARRIER	X	X	X
SEDIMENT TRAP			
SODDING			
SOIL TRACKIFIERS			
STORM DRAIN INLET PROTECTION	X	X	X
STRAW WATTLES (OR OTHER MATERIALS)			
TEMPORARY DIVERSION DIKES			
TEMPORARY OR PERMANENT SEDIMENTATION BASINS			
TEMPORARY SEEDING AND PLANTING			
TREATMENT SYSTEM (OPERATION & MAINTENANCE PLAN REQUIRED)			
UNPAVED ROADS GRAVELED OR OTHER BMP ON ROAD			
VEGETATIVE BUFFER STRIPS			

INSPECTION SCHEDULE

SITE CONDITION	MINIMUM FREQUENCY
1. ACTIVE PERIOD	ON INITIAL DATE THAT LAND DISTURBANCE ACTIVITIES COMMENCE. WITHIN 24 HOURS OF ANY STORM EVENT, INCLUDING RUNOFF FROM SNOW MELT, THAT RESULTS IN DISCHARGE FROM THE SITE. AT LEAST ONCE EVERY 14 DAYS, REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.
2. INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS	THE INSPECTOR MAY REDUCE THE FREQUENCY OF INSPECTIONS IN ANY AREA OF THE SITE WHERE THE STABILIZATION STEPS IN SECTION 2.2.20 HAVE BEEN COMPLETED TO TWO PER MONTH FOR THE FIRST MONTH, NO LESS THAN 14 CALENDAR DAYS APART, THEN ONCE PER MONTH.
3. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER	IF SAFE, ACCESSIBLE AND PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT DISCHARGE POINT OR DOWNSTREAM LOCATION OF THE RECEIVING WATERBODY.
4. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE SUSPENDED AND RUNOFF IS UNLIKELY DUE TO FROZEN CONDITIONS.	VISUAL MONITORING INSPECTIONS MAYBE TEMPORARILY SUSPENDED. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.
5. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE CONDUCTED AND RUNOFF IS UNLIKELY DURING FROZEN CONDITIONS.	VISUAL MONITORING INSPECTIONS MAYBE REDUCED TO ONCE A MONTH. IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.

RATIONAL STATEMENT

A COMPREHENSIVE LIST OF AVAILABLE BEST MANAGEMENT PRACTICES (BMP) OPTIONS BASED ON DEQ'S GUIDANCE MANUAL HAS BEEN REVIEWED TO COMPLETE THIS EROSION AND SEDIMENT CONTROL PLAN. SOME OF THE ABOVE LISTED BMP'S WERE NOT CHOSEN BECAUSE THEY WERE DETERMINED TO NOT EFFECTIVELY MANAGE EROSION PREVENTION AND SEDIMENT CONTROL FOR THIS PROJECT BASED ON SPECIFIC SITE CONDITIONS, INCLUDING SOIL CONDITIONS TOPOGRAPHIC CONSTRAINTS, ACCESSIBILITY TO THE SITE, AND OTHER RELATED CONDITIONS. AS THE PROJECT PROGRESSES AND THERE IS A NEED TO REVISE THE ESC PLAN, AN ACTION PLAN WILL BE SUBMITTED.

AUTHORIZED NON-STORMWATER DISCHARGES

- WATER AND ASSOCIATED DISCHARGES FROM EMERGENCY FIREFIGHTING ACTIVITIES
- FIRE HYDRANT FLUSHING
- PROPERLY MANAGED LANDSCAPING IRRIGATION
- WATER USED TO WASH EQUIPMENT AND VEHICLES (EXCLUDING THE ENGINE, UNDERCARRIAGE, AND WHEELS/TIRES) PROVIDED THERE IS NO DISCHARGE OF SOAPS, SOLVENTS, OR DETERGENTS USED
- WATER USED TO CONTROL DUST
- POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHINGS
- EXTERNAL BUILDING WASHDOWN, PROVIDED SOAPS, SOLVENTS, AND DETERGENTS ARE NOT USED, AND EXTERNAL SURFACES DO NOT CONTAIN HAZARDOUS SUBSTANCES
- PAVEMENT WASH WATERS, PROVIDED SPILLS OR LEAKS OF TOXIC OR HAZARDOUS SUBSTANCES HAVE NOT OCCURRED (UNLESS ALL SPILL MATERIAL HAS BEEN REMOVED) AND WHERE SOAPS, SOLVENTS, AND DETERGENTS ARE NOT USED. DIRECTING PAVEMENT WASH WATERS INTO ANY SURFACE WATER, STORM DRAIN INLET, OR STORMWATER CONVEYANCE IS PROHIBITED, UNLESS THE CONVEYANCE IS CONNECTED TO A SEDIMENT BASIN, SEDIMENT TRAP, OR SIMILARLY EFFECTIVE CONTROL FOR THE POLLUTANTS PRESENT. PER 2.2.19.b, HOUSING OF ACCUMULATED SEDIMENTS ON PAVEMENT INTO ANY STORMWATER CONVEYANCE IS PROHIBITED
- UNCONTAMINATED, NON-TURBID DISCHARGES OF GROUNDWATER OR SPRING WATER
- FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS OR CONTAMINATED GROUNDWATER
- CONSTRUCTION DEWATERING ACTIVITIES (INCLUDING GROUNDWATER DEWATERING AND WELL DRILLING DISCHARGE ASSOCIATED WITH THE REGISTERED CONSTRUCTION ACTIVITY), PROVIDED THAT:
 - THE WATER IS LAND APPLIED IN A WAY THAT RESULTS IN COMPLETE INFILTRATION WITH NO POTENTIAL TO DISCHARGE TO A SURFACE WATER OF THE STATE, OR THE USE OF A SANITARY OR COMBINED SEWER DISCHARGES AUTHORIZED WITH LOCAL SEWER DISTRICT APPROVAL, OR
 - BEST MANAGEMENT PRACTICES AND A TREATMENT SYSTEM APPROVED BY DEQ OR AGENT (SEE SECTION 2.2.19) ARE USED TO ENSURE COMPLIANCE WITH DISCHARGE AND WATER QUALITY REQUIREMENTS IN SECTION 2.4

CLEVELAND STREET CAPITAL IMPROVEMENT PROJ.

EROSION & SEDIMENT CONTROL PLAN/1200-C PERMIT

COTTAGE GROVE, OREGON

DEQ GENERAL NOTES

- ONCE KNOWN, INCLUDE A LIST OF ALL CONTRACTORS THAT WILL ENGAGE IN CONSTRUCTION ACTIVITIES ON SITE, AND THE AREAS OF THE SITE WHERE THE CONTRACTOR(S) WILL ENGAGE IN CONSTRUCTION ACTIVITIES. REVISE LIST AS APPROPRIATE UNTIL PERMIT COVERAGE IS TERMINATED (SECTION 4.4.c.i.). IN ADDITION, INCLUDE A LIST OF ALL PERSONNEL (BY NAME AND POSITION) THAT ARE RESPONSIBLE FOR THE DESIGN, INSTALLATION AND MAINTENANCE OF STORMWATER CONTROL MEASURES (e.g. ESCP DEVELOPER, BMP INSTALLER (SEE SECTION 4.10), AS WELL AS THEIR INDIVIDUAL RESPONSIBILITIES. (SECTION 4.4.c.ii)
- VISUAL MONITORING INSPECTION REPORTS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. (SECTION 6.5)
- INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SECTION 6.5.0)
- RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. (SECTION 4.7)
- THE PERMIT REGISTRANT MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. (SECTIONS 4 AND 4.11)
- THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SECTION 4.8)
- SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS ONLY UNDER SPECIFIC CONDITIONS. SUBMIT ALL NECESSARY REVISION TO DEQ OR AGENT WITHIN 10 DAYS. (SECTION 4.9)
- SEQUENCE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (SECTION 2.2.2)
- CREATE SMOOTH SURFACES BETWEEN SOIL SURFACE AND EROSION AND SEDIMENT CONTROLS TO PREVENT STORMWATER FROM BYPASSING CONTROLS AND PONDING. (SECTION 2.2.3)
- IDENTIFY, MARK, AND PROTECT RIPARIAN AREAS AND CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., WETLANDS), AND OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERMITTER AREAS. (SECTION 2.2.1)
- PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED. (SECTION 2.2.5)
- MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50- FEET OF WATERS OF THE STATE. (SECTION 2.2.4)
- INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE. (SECTIONS 2.1.3)
- CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND STREAMBANKS. (SECTIONS 2.1.1. AND 2.2.16)
- SEDIMENT CONTROL AS NEEDED ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL STORM DRAIN INLETS AT ALL TIMES DURING CONSTRUCTION, BOTH INTERNALLY AND AT THE SITE BOUNDARY. (SECTIONS 2.2.6 AND 2.2.13)
- ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (SECTION 2.2.14)
- APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATIONS MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS.(SECTIONS 2.2.20 AND 2.2.21)
- ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SECTION 2.3.7)
- KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE BUSINESS DAY FOR THOSE CONTAINERS THAT ARE ACTIVELY USED THROUGHOUT THE DAY. FOR WASTE CONTAINERS THAT DO NOT HAVE LIDS, PROVIDE EITHER (1) COVER (E.G., A TARP, PLASTIC SHEETING, TEMPORARY ROOF) TO PREVENT EXPOSURE OF WASTES TO PRECIPITATION, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS (E.G., SECONDARY CONTAINMENT). (SECTION 2.3.3)
- PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMP'S SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMP'S MUST BE IN PLACE PRIOR TO LAND- DISTURBING ACTIVITIES. (SECTION 2.2.7)
- WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SECTION 2.2.7.F)
- CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS. (SECTIONS 1.5 AND 2.3.9)
- ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES ARE NOT OCCURRING ARE NOT DISTURBED. (SECTION 2.2.10)
- PREVENT SOIL COMPACTION IN AREAS WHERE POST-CONSTRUCTION INFILTRATION FACILITIES ARE TO BE INSTALLED. (SECTION 2.2.12)
- USE BMP'S TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM TRUCKS, VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES; AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, FERTILIZER, PESTICIDES AND HERBICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. (SECTIONS 2.2.15 AND 2.3)
- PROVIDE PLANS FOR SEDIMENTATION BASINS THAT HAVE BEEN DESIGNED PER SECTION 2.2.17 AND STAMPED BY AN OREGON PROFESSIONAL ENGINEER. (SEE SECTION 2.2.17.A)
- IF ENGINEERED SOILS ARE USED ON SITE, A SEDIMENTATION BASIN/IMPOUNDMENT MUST BE INSTALLED. (SEE SECTIONS 2.2.17 AND 2.2.18)
- PROVIDE A DEWATERING PLAN FOR ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES. (SEE SECTION 2.4)
- IMPLEMENT THE FOLLOWING BMP'S WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES, REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES. (SECTION 2.3)
- USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SECTION 2.2.9)
- THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME-RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE. (SECTION 2.3.5)
- IF AN ACTIVE TREATMENT SYSTEM (FOR EXAMPLE, ELECTRO-COAGULATION, FLOCCULATION, FILTRATION, ETC.) FOR SEDIMENT OR OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMATIC, LOCATION OF SYSTEM, LOCATION OF INLET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OBTAIN ENVIRONMENTAL MANAGEMENT PLAN APPROVAL FROM DEQ BEFORE OPERATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SECTION 1.2.9)
- TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR. (SECTION 2.2)
- AS NEEDED BASED ON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMP'S MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO SURFACE WATERS. (SECTION 2.2.8)
- SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. (SECTION 2.1.5.B)
- OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT AND BEFORE BMP REMOVAL. (SECTION 2.1.5.C)
- CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF PROJECT. (SECTION 2.1.5.D)
- WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT A REOCCURENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN-UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LANDS REQUIRED TIMEFRAME. (SECTION 2.2.19.A)
- THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGEWAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (SECTION 2.2.19)
- DOCUMENT ANY PORTION(S) OF THE SITE WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS. (SECTION 6.5.F)
- PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BROWN STRAW AND A TACKIFIER, LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MULCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (SECTION 2.2.20)
- DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED. ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED, ALL TEMPORARY EROSION CONTROLS AND RETAINED SOILS MUST BE REMOVED AND DISPOSED OF PROPERLY, UNLESS NEEDED FOR LONG TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE. (SECTION 2.2.21)

EROSION & SEDIMENT CONTROL PLAN (ESCP) NOTES

- PRIOR TO ANY GROUND DISTURBANCE ON THE SITE ONE INSPECTION WITH DEQ STAFF IS REQUIRED. ISSUANCE OF THIS PLAN DOES NOT RELIEVE THE PERMIT HOLDER AND/OR THE CONTRACTOR FROM ALL OTHER PERMITTING REQUIREMENTS. PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES, ALL OTHER NECESSARY APPROVALS SHALL BE OBTAINED.
- THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE MEASURES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DOES NOT LEAVE THE SITE.
- THE IMPLEMENTATION OF THE ESCP DURING THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADE OF THE EROSION AND SEDIMENT CONTROL MEASURES IS THE RESPONSIBILITY OF THE PERMIT HOLDER AND/OR THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND ACCEPTED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD BY THE ENGINEER PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE PERMIT HOLDER AND/OR THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- THE EROSION AND SEDIMENT CONTROL MEASURES ON ACTIVE SITES SHALL BE INSPECTED AND MAINTAINED DAILY AND WITHIN THE 24 HOURS AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES OF RAIN PER 24 HOUR PERIOD. MEASURES SHALL BE INSPECTED BY THE PERMIT HOLDER AND/OR THE CONTRACTOR AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS OR ADJUSTMENTS SHALL BE MADE IMMEDIATELY. THE EROSION AND SEDIMENT CONTROL MEASURES ON INACTIVE SITES SHALL BE INSPECTED A MINIMUM OF ONCE EVERY TWO (2) WEEKS OR WITHIN 48 HOURS FOLLOWING A STORM EVENT.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PROTECTED FROM DAMAGE AT ALL TIMES. CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT RE-VEGETATION HAS BEEN STABILIZED. ANY MEASURE THAT IS DAMAGED OR DESTROYED SHALL BE REPAIRED OR REPLACED IMMEDIATELY.
- ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON (OCTOBER 1 TO APRIL 30) OR SEVEN DAYS DURING THE DRY SEASON (MAY 1 TO SEPTEMBER 30) SHALL BE IMMEDIATELY STABILIZED WITH AN APPROVED ESC METHOD (SEEDING & MULCHING WITH STRAW, BARK, COMPOST, OR PLASTIC COVERING, ETC.).
- STREET SWEEPING SHALL BE PERFORMED AS NEEDED OR WHEN DIRECTED BY THE CITY INSPECTOR TO ENSURE PUBLIC RIGHTS-OF-WAY ARE KEPT CLEAN AND FREE OF DEBRIS. STREET FLUSHING IS PROHIBITED.
- WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER WATER-TIGHT TRUCKS SHALL BE USED OR LOADS SHALL BE DRAINED ON SITE UNTIL DRIPPING HAS BEEN REDUCED TO NO MORE THAN ONE GALLON PER HOUR. SEDIMENT LADEN WATER WILL NOT BE ALLOWED TO ENTER THE STORM WATER SYSTEM.
- EXTRACTED GROUND WATER FROM EXCAVATED TRENCHES SHALL BE DISPOSED OF IN A SUITABLE MANNER WITHOUT DAMAGE TO ADJACENT PROPERTY, CITY'S STORM WATER SYSTEM, WATER FEATURES, AND RELATED NATURAL RESOURCES. APPROVAL OF A DEWATERING SYSTEM DOES NOT GUARANTEE THAT IT WILL MEET COMPLIANCE OR BE ACCEPTABLE FOR USE IN ALL SITUATIONS. MODIFICATIONS TO THE DEWATERING SYSTEM WILL BE REQUIRED IF COMPLIANCE CAN NOT BE MET. AT NO TIME WILL SEDIMENT LADEN WATER BE ALLOWED TO LEAVE THE CONSTRUCTION SITE.
- A SUPPLY OF MATERIALS NECESSARY TO MEET COMPLIANCE AND IMPLEMENT THE ESCP OR OTHER BEST MANAGEMENT EROSION PRACTICES UNDER ALL WEATHER CONDITIONS SHALL BE MAINTAINED AT ALL TIMES ON THE CONSTRUCTION SITE.
- NO HAZARDOUS SUBSTANCES, SUCH AS PAINT, THINNERS, FUELS, AND OTHER CHEMICALS SHALL BE RELEASED ONTO THE SITE, ADJACENT PROPERTIES, OR INTO WATER FEATURES, THE CITY'S STORM WATER SYSTEM, OR RELATED RESOURCES.
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE CONTRACTOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE ESC FACILITIES DURING THE WET SEASON (OCTOBER 1 TO APRIL 30) AND OF MONTHLY REVIEWS DURING THE DRY SEASON (MAY 1 TO SEPTEMBER 30).

SAWCUTTING MEASURES

- IF SAWCUTTING, CONTRACTOR SHALL FOLLOW THIS THREE-STEP PROCEDURE TO ELIMINATE DISCHARGE.
- BLOCK DRAINS. LOCATE ALL NEARBY STORM DRAIN INLETS, CULVERTS, AND CATCH BASINS THROUGH WHICH SLURRY DISCHARGES MAY ENTER A WATERWAY. IF YOU ARE WITHIN ACCESS OF A STORM DRAIN INLET, BLOCK THE PATH TO THE NEAREST DRAIN. EITHER DIVERT FLOWS OR BERM INLETS TO POOL WATER AWAY FROM DRAINS. ANOTHER OPTION IS TO SEAL OR PLUG THE INLET.
 - MINIMIZE SLURRY MOVEMENT. SLURRY AND SEDIMENT FROM SAWCUTTING OPERATIONS SHOULD BE CONFINED TO THE IMMEDIATE WORK AREA BY USING TEMPORARY BERMS OR DIVERSION STRUCTURES. MINIMIZE THE TRACKING OF SLURRY OFF SITE BY CARDS AND PEDESTALS.
 - REMOVE SLURRY. EFFICIENTLY AND EFFECTIVELY COLLECT AND REMOVE ALL SLURRY AND RUNOFF FROM THE SAW CUTTING OPERATION AS SOON AS POSSIBLE. BE SURE TO INCLUDE REMOVAL OF ANY SLURRY COLLECTED IN OR NEAR THE STORM DRAIN INLETS BY PUMPING TO A COLLECTION VESSEL OR USING A WET/DRY VACUUM. IT MAY BE NECESSARY TO USE A STREET SWEEPER OR WASH DOWN THE AREA AND COLLECT THE WATER. NO SLURRY OR WASHWATER IS ALLOWED TO DRAIN OFF SITE. SLURRY AND WASH WATER MAY BE DISPOSED OF ON SITE WHERE IT CAN FILTER INTO THE GROUND, OTHERWISE, DISPOSE OF ALL COLLECTED SLURRY AND WASH WATER PROPERLY. ONE WAY IS TO ALLOW COLLECTED SLURRY TO SETTLE AND DECANT THE WATER ONTO THE GROUND OR, WITH APPROVAL, INTO THE SANITARY SEWER WITH APPROVAL. DISPOSE OF THE SOLIDS APPROPRIATELY.

WET WEATHER PERMIT CONDITIONS

- WET WEATHER EROSION PREVENTION MEASURES WILL BE IN EFFECT FROM OCTOBER 1 THROUGH APRIL 30.
- SOILS MUST BE COVERED WITH PLASTIC, BERMING, MATTING, OR 2-INCH LAYER OF MULCH, BARK, WOOD CHIPS, SAWDUST, OR STRAW TO MINIMIZE EROSION POTENTIAL.
- EXPOSED SOILS SHALL BE SEEDED NO LATER THAN SEPTEMBER 1ST TO ALLOW TIME FOR PROPER GERMINATION AND GROWTH BEFORE THE WET WEATHER SEASON.

OWNER/APPLICANT

CITY OF COTTAGE GROVE
CONTACT: FAYE STEWART
400 E MAIN STREET
COTTAGE GROVE, OR 97424
PHONE: T(541) 942-3349
E-MAIL: pwdirector@cottagetrove.org

CESCL:

COMPANY NAME: TBD
CONTACT: TBD
PHONE: TBD
E-MAIL: TBD
QUALIFICATION PROGRAM: TBD
CERTIFICATION/ID NUMBER: TBD
EXPIRATION DATE: TBD

INSPECTOR NOTE:

CONTRACTOR TO PROVIDE DOCUMENTATION THAT STAFF ARE TRAINED IN ACCORDANCE WITH NPDES 1200-C PERMIT SECTION 6.1.

BMP INSTALLER/MAINTAINER

CONTACT NAME: TBD
CONTACT: TBD
ADDRESS: TBD
PHONE: TBD
E-MAIL: TBD

ENGINEER/ESCP PREPARER

BRANCH ENGINEERING, INC.
CONTACT: DAMIEN GILBERT, P.E.
310 5th STREET
SPRINGFIELD, OREGON 97477
OFFICE: (541) 746-0637
EMAIL: damien@branchengineering.com

SURVEYOR

BRANCH ENGINEERING, INC.
CONTACT: DANIEL NELSON, SLS
310 5th STREET
SPRINGFIELD, OREGON 97477
OFFICE: (541) 746-0637
EMAIL: dnn@branchengineering.com

CONTRACTOR

CONTACT NAME: TBD
CONTACT: TBD
ADDRESS: TBD
PHONE: TBD
E-MAIL: TBD
PROVIDE DEQ CONTRACTOR'S INFORMATION ONCE KNOWN.

LIST OF SUBCONTRACTORS

TO BE DETERMINED
SUB-CONTRACTORS WILL BE ADDED TO THE LIST AS BIDS ARE RECEIVED AND WILL BE KEPT ON SITE AND MANAGED BY AWARDED CONTRACTOR.
A LIST OF ALL SUB-CONTRACTORS TO PERFORM WORK ON SITE SHALL BE SUBMITTED TO DEQ ONCE KNOWN.

RAIN GAUGE LOCATION

STATION "COTTAGE GROVE 2.6 FT" IS LOCATED AT 3300 ROW RIVER RD. (CITY WATER TREATMENT PLANT)
LAT/LONG: 43°47'30"N, 123°01'39"W
APPROXIMATELY 1.6 MI. EAST OF SITE
(https://gagcis.rcc-ocis.org/)

FEMA FIRM DATA

PER FEMA FIRMS 41039C2087, 41039C2090F AND 41039C295, EFFECTIVE DATE JUNE 2, 1999, THE MAJORITY OF THE SITE IS WITHIN ZONE X. AREAS DETERMINE TO BE OUTSIDE 500 YR FLOODPLAIN, SOME AREAS ON THE WEST SIDE OF THE SITE NEAR COAST FORK WILLAMETTE RIVER ARE IN ZONE X, AREAS OF 500 YR FLOOD; AREAS OF 100 YR FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1' OR WITH DRAINAGE OF AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED FROM 100 YR FLOOD, FINALLY AREAS ALONG COAST FORK WILLAMETTE RIVER ARE IN ZONE AE, SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100 YR FLOOD, BASE FLOOD ELEVATIONS DETERMINED TO BE BETWEEN 655 AND 659.

SITE INFORMATION

TYPE OF DEVELOPMENT: THE PROJECT ADDRESSED BY THIS EROSION AND SEDIMENT CONTROL PLAN CONSISTS OF PUBLIC STREET AND UTILITY IMPROVEMENTS.	4. PROJECT SITE AREAS: TOTAL AREA: 5.4± AC DISTURBED AREA: 5.4± AC PERCENT OF SITE DISTURBED: 100%	8. RECEIVING WATER BODIES: COAST FORK WILLAMETTE RIVER
1. CONSTRUCTION ACTIVITY WILL CONSIST OF: a. CLEARING AND MASS GRADING b. UTILITY CONSTRUCTION c. CONSTRUCTION OF CURB AND GUTTER d. PAVING CONSTRUCTION e. FINAL STABILIZATION	5. ONSITE SOIL TYPES: 1(A) ABQUIA SILTY CLAY LOAM, 0-3% SLOPE 121B SALKUM SILTY CLAY LOAM, 2-8% SLOPE 121C SALKUM SILTY CLAY LOAM, 8-16% SLOPE	9. NEAREST WATER BODY: COAST FORK WILLAMETTE RIVER 303(d) CATEGORY 5: DISSOLVED OXYGEN - YEAR ROUND & SPANNING IRON (TOTAL) - AQUATIC LIFE CRITERIA TRICHLOROETHYLENE - HUMAN HEALTH 303(d) CATEGORY 4: MERCURY (TOTAL) - AQUATIC LIFE CRITERIA
2. PROJECT TIMELINE: CLEARING: WINTER/SPRING 2025 MASS GRADING: SPRING 2025 UTILITY CONSTRUCTION: SPRING/SUMMER 2025 PAVING CONSTRUCTION: SUMMER 2025 FINAL STABILIZATION: SUMMER/FALL 2025	6. EXCAVATION: ROUGH GRADING WILL BE NECESSARY TO ACHIEVE PROPOSED GRADES. ANY SUITABLE EXCAVATION MATERIAL WILL BE USED AS FILL IN LOW AREAS. FILL SHALL BE STRUCTURAL.	7. CUT AND FILL DATA: CUT: x ± 1300 CY FILL: x ± 1000 CY NET: x ± 300 CY (CUT) (CONTRACTOR TO VERIFY)
3. PROJECT HOURS: MONDAY-SATURDAY, 7AM-7PM		

SPILL PREVENTION AND CONTROL

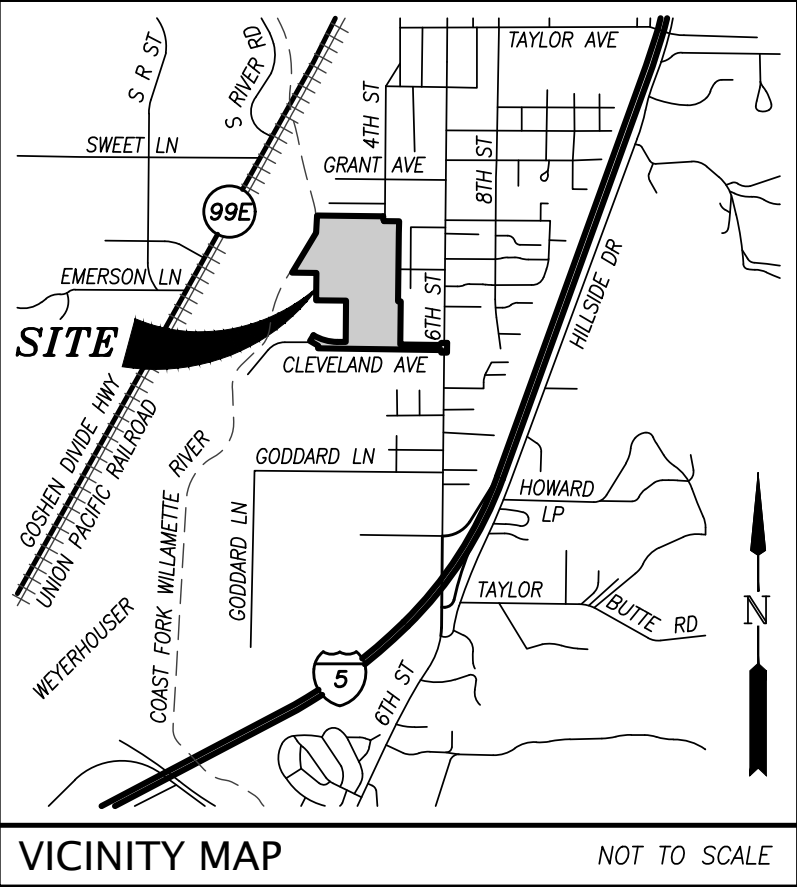
- POLLUTANT-GENERATING ACTIVITIES TO TAKE PLACE DURING THE DEMOLITION AND CLEARING PHASE:
 - EQUIPMENT FUELING WITH EITHER GASOLINE OR DIESEL FUEL.
 - FUEL STORAGE OF GASOLINE AND DIESEL FUEL.
 - EQUIPMENT HYDRAULIC OILING.
 - HYDRAULIC OIL STORAGE OF 10-GALLON BUCKETS.
 - GREEN WASTE FROM VEGETATION REMOVAL.
- POLLUTANT-GENERATING ACTIVITIES TO TAKE PLACE DURING THE GRADING, EXCAVATION, UTILITIES AND SITE STABILIZATION PHASES:
 - EQUIPMENT FUELING WITH EITHER GASOLINE OR DIESEL FUEL.
 - FUEL STORAGE OF GASOLINE AND DIESEL FUEL.
 - EQUIPMENT HYDRAULIC OILING.
 - HYDRAULIC OIL STORAGE OF 10-GALLON BUCKETS.
 - STORAGE OF CONSTRUCTION RELATED MATERIALS.
 - JOINT SEAL MATERIALS, CONCRETE CURING COMPOUNDS, WASTEWATER FROM CONCRETE WASHOUT.
 - ASPHALT CONCRETE (AC) AND PORTLAND CEMENT CONCRETE (PCC) MATERIALS AND WASTES.
 - PAINTS, SOLVENTS, AND THINNERS.
 - SANITARY WASTE FACILITIES (PORTABLE TOILETS).
- POLLUTION-GENERATING SPILL PROCEDURE:
 - POTENTIAL POLLUTANTS TO BE STORED AT POLLUTANT STORAGE LOCATION NOTED ON PLANS.
 - WORKERS SHALL TAKE SPECIAL CARE WHILE HANDLING POLLUTANT MATERIALS.
 - SHOULD A LEAK OR SPILL OF POLLUTANT MATERIALS OCCUR, IT WILL BE CLEANED UP IMMEDIATELY. WHERE A LEAK, SPILL, OR OTHER RELEASE CONTAINING A HAZARDOUS SUBSTANCE OR OIL OCCURS DURING A 24-HOUR PERIOD, NOTIFY THE OREGON EMERGENCY RESPONSE SYSTEM AT (800) 452-0311.

SPILL RESPONSE

CONTRACTOR SHALL HAVE SPILL KITS AT THE PROJECT SITE AT ALL TIMES. THERE SHALL BE SIGNAGE MOUNTED IN APPROPRIATE LOCATIONS STATING "SPILL KIT INSIDE." CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE SPILL KITS AND TRAINING EMPLOYEES ON HOW TO USE THEM.

- IN THE EVENT OF A SPILL, CONTRACTOR SHALL PROCEED AS FOLLOWS:
- DETERMINE TYPE OF SPILL AND BEST ACTION TO REMOVE SPILL.
 - IF SPILL IS TOO LARGE TO CONTAIN, OR CLEAN, CALL EMERGENCY SERVICES (911, OR EMERGENCY CLEAN-UP TEAMS SUCH AS NORTHWEST HAZMAT, OR ENVIRONMENTAL CONTROL)
 - CONTAIN SPILL
 - CLEAN AND DISPOSE OF SPILL

ONCE ALL SUBCONTRACTORS ARE UNDER CONTRACT, GENERAL CONTRACTOR SHALL PROVIDE A FULL LIST OF POLLUTANTS THEY WILL HAVE ONSITE. THIS LIST SHALL BE KEPT ON SITE WITH THE GENERAL CONTRACTOR.

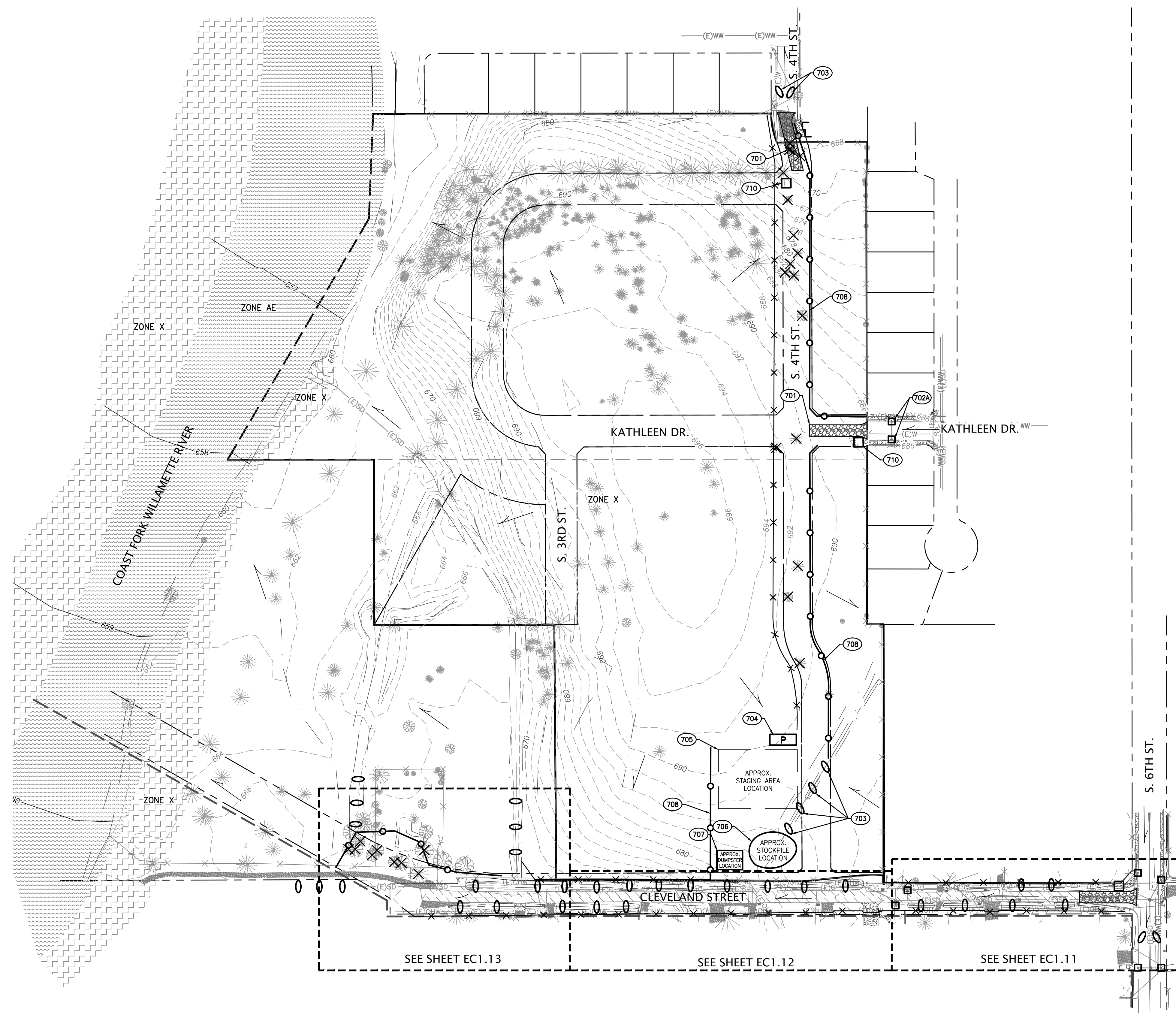


VICINITY MAP NOT TO SCALE

SHEET INDEX

EC0.0	EROSION & SEDIMENT CONTROL PLAN COVER SHEET & NOTES
EC1.0	EROSION & SEDIMENT CONTROL PLAN EXISTING CONDITIONS AND DEMO. PHASE TOTAL PROJECT AREA
EC1.11	EROSION & SEDIMENT CONTROL PLAN EXISTING CONDITIONS AND DEMO. PHASE SHEET 1
EC1.12	EROSION & SEDIMENT CONTROL PLAN EXISTING CONDITIONS AND DEMO. PHASE SHEET 2
EC1.13	EROSION & SEDIMENT CONTROL PLAN EXISTING CONDITIONS AND DEMO. PHASE SHEET 3
EC2.0	EROSION & SEDIMENT CONTROL PLAN STREET, UTILITY & STABILIZATION PHASE DETAILS SHEET 1
EC3.0	EROSION & SEDIMENT CONTROL PLAN DETAILS SHEET 1
EC3.1	EROSION & SEDIMENT CONTROL PLAN DETAILS SHEET 2

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No.	DESCRIPTION	DATE	
CLEVELAND STREET CAPITAL IMPROVEMENT PROJECT			



GENERAL NOTES:

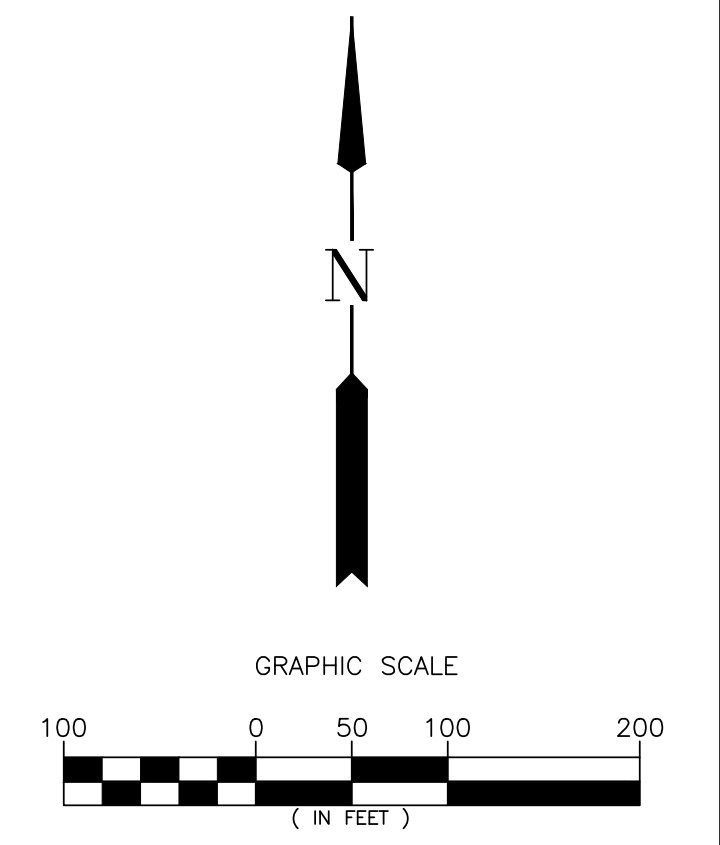
- ALL BASE ESC MEASURES MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
- NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE PERIMETER SEDIMENT BARRIERS.
- ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- SENSITIVE RESOURCES INCLUDING, BUT NOT LIMITED TO, TREES, WETLANDS, AND RIPARIAN PROTECTION AREAS SHALL BE CLEARLY DELINEATED WITH ORANGE CONSTRUCTION FENCING OR CHAIN LINK FENCING IN A MANNER THAT IS CLEARLY VISIBLE TO ANYONE IN THE AREA. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION BARRIER.
- STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
- EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES.
- AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING OR OTHER APPROVED MEASURES.
- CONSTRUCTION ENTRANCES SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAYBE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- ACTIVE INLETS TO STORMWATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.
- SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
- AN AREA SHALL BE PROVIDED FOR THE WASHING OUT OF CONCRETE TRUCKS IN A LOCATION THAT DOES NOT PROVIDE RUN-OFF THAT CAN ENTER THE STORMWATER SYSTEM. IF THE CONCRETE WASH-OUT AREA CAN NOT BE CONSTRUCTED GREATER THAN 50' FROM ANY DISCHARGE POINT, SECONDARY MEASURES SUCH AS BERMS OR TEMPORARY SETTLING PITS MAYBE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% CAPACITY.
- SWEEPING FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORMWATER SYSTEM. SWEEPING SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
- AVOID PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN-OFF INTO THE STORMWATER SYSTEM.
- USE BMP'S SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
- COVER CATCH BASINS, MANHOLES AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACK COAT, ETC. TO PREVENT INTRODUCING THESE MATERIALS TO THE STORMWATER SYSTEM.
- ROUTINE MAINTENANCE SPECIFICATIONS FOR THE PERIMETER CONTROLS DOCUMENTED IN THE ESCP MUSH INCLUDE SECTIONS 2.1.4, 2.1.5, AND 2.1.6 OF THE GENERAL PERMIT NPDES CONSTRUCTION STORMWATER DISCHARGE PERMIT.
- CONSTRUCTION WILL OCCUR DURING SUMMER MONTHS. DEWATERING IS NOT EXPECTED TO OCCUR. IF DEWATERING IS REQUIRED, DISCHARGE WATER TO ESTABLISHED VEGETATION IN UPLAND AREA.
- CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATIONS OF SPOILS, STOCKPILES, WASTE, AND CONCRETE WASHOUT STATIONS FOR THE DURATION OF THE PROJECT. ALL HAZARDOUS MATERIAL STOCKPILES, AS WELL AS AREAS WHERE HAZARDOUS MATERIALS MIGHT INFILTRATE SOIL, MUST BE PROPERLY MAINTAINED AND CONTROLLED USING APPLICABLE BMP'S. CESCL OR INSPECTING ENGINEER WILL VERIFY AND COORDINATE THE LOCATIONS AND TYPES OF BMP'S USED. ANY BMP'S IMPLEMENTED BEYOND THOSE SPECIFIED IN THESE PLANS SHOULD BE REPORTED TO THE ESCP PREPARER AND DEQ. THIS WILL ALLOW FOR AN ASSESSMENT OF WHETHER THE PLANS NEED TO BE UPDATED TO INCORPORATE ADDITIONAL MEASURES.

CONSTRUCTION NOTES:

- 701 INSTALL CONSTRUCTION ENTRANCE/EXIT PER ODOT STD DWG RD1000 ON SHEET EC3.0. AND THE WASH FACILITY PER ODOT STD DWG RD1060 ON SHEET EC3.1.
- 702A INSTALL TYPE 3 CATCH BASIN FILTER INSERT PER ODOT STD DWG RD1010 ON SHEET EC3.0.
- 702B INSTALL TYPE 10 CURB INLET SEDIMENT DAM PER ODOT STD DWG RD1010 ON SHEET EC3.0.
- 703 INSTALL FILTER SOCK OR WATTLE SEDIMENT BARRIER AT LIMITS OF DISTURBANCE WHERE NECESSARY. CONTRACTOR TO COORDINATE WITH EPSC CERTIFIED INSPECTOR FOR FINAL PLACEMENT.
- 704 PROVIDE AND MAINTAIN PORTABLE RESTROOMS/SANITARY FACILITIES PER OSHA STANDARDS. FINAL LOCATION TO BE DETERMINED BY CONTRACTOR.
- 705 TEMPORARY AREA FOR EQUIPMENT STORAGE, MAINTENANCE MATERIAL STORAGE, STAGING, FUEL STORAGE & REFUELING, AND HAZARDOUS WASTE. SEE SPILL PREVENTION AND CONTROL NOTES ON SHEET ECO.0. SEE GENERAL NOTE 18 ON THIS SHEET.
- 706 TEMPORARY STOCKPILE LOCATION. INSTALL PLASTIC SHEETING ON STOCKPILE PER ODOT TECHNICAL SERVICES DETAIL DET6001 ON SHEET EC3.1. SEE GENERAL NOTE 18 ON THIS SHEET.
- 707 PROVIDE DUMPSTER CONTAINERS FOR CONSTRUCTION DEBRIS. SEE GENERAL NOTE 18 ON THIS SHEET.
- 708 CONSTRUCT SEDIMENT FENCING, BARK BERM OR FILTER SOCK SEDIMENT BARRIER. SEE ODOT STD DWG RD1040 & RD1031 ON SHEET EC3.0.
- 710 INSTALL CONCRETE WASH OUT OR APPROVED ALTERNATIVE USING AN ECO-PAN CONCRETE WASH OUT PAN PER MANUFACTURER'S RECOMMENDATION.

LEGEND

- LIMITS OF DISTURBANCE
- SEDIMENT FENCE OR APPROVED ALT.
- ×--- ORANGE CONSTRUCTION FENCE
- P PORTABLE RESTROOM
- FILTER SOCK OR WATTLE SEDIMENT BARRIER
- DIRECTION OF FLOW
- 180- EXISTING CONTOUR
- ZONE AE SPECIAL FLOOD HAZARD AREAS INUNDAED BY 100 YR. FLOOD. BASE FLOOD ELEVATIONS DETERMINED TO BE BETWEEN 655 AND 659.
- ZONE X AREAS OF 500 YR. FLOOD; AREAS OF 100 YR. FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1' OR WITH DRAINAGE AREAS LESS THAN 1 SQ. MI.; AND AREAS PROTECTED FROM 100 YR. FLOOD
- ZONE X AREAS DETERMINED TO BE OUTSIDE 500 YR. FLOODPLAIN.
- INLET PROTECTION
- × TREE TO BE REMOVED
- CONSTRUCTION ENTRANCE



SEE SHEET EC1.13 SEE SHEET EC1.12 SEE SHEET EC1.11

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EXPIRES: JUNE 30, 2025

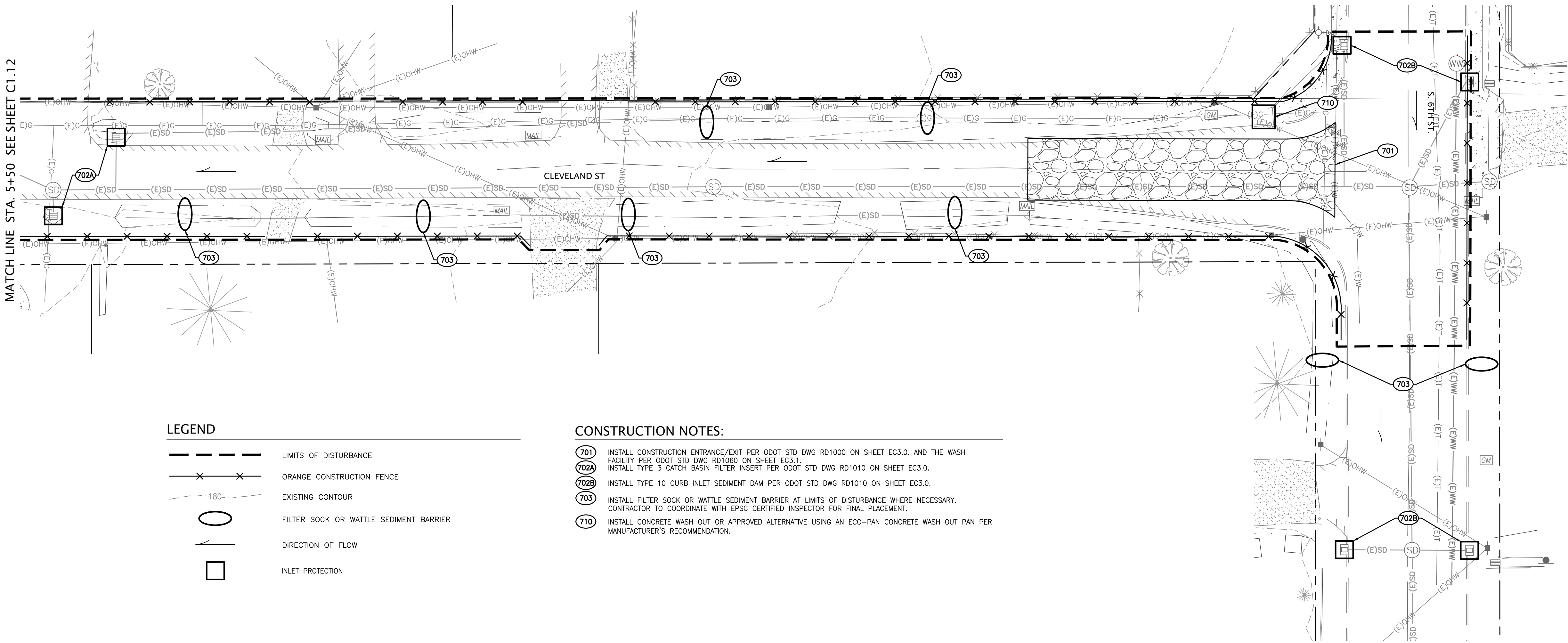
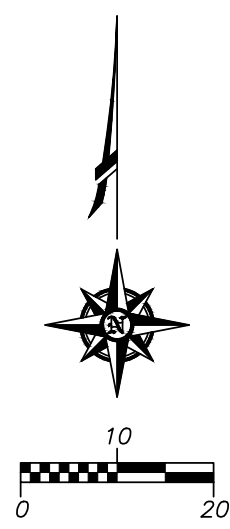
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400 Main Street Cottage Grove, OR 97424

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No.	DESCRIPTION	DATE

**CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT**

**EROSION & SEDIMENT CONTROL PLAN
EXISTING CONDITIONS & DEMO. PHASE
TOTAL PROJECT AREA**

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LEGEND

	LIMITS OF DISTURBANCE
	ORANGE CONSTRUCTION FENCE
	EXISTING CONTOUR
	FILTER SOCK OR WATTLE SEDIMENT BARRIER
	DIRECTION OF FLOW
	INLET PROTECTION

- CONSTRUCTION NOTES:**
- 701** INSTALL CONSTRUCTION ENTRANCE/EXIT PER ODOT STD DWG RD1000 ON SHEET EC3.0. AND THE WASH FACILITY PER ODOT STD DWG RD1060 ON SHEET EC3.1.
 - 702A** INSTALL TYPE 3 CATCH BASIN FILTER INSERT PER ODOT STD DWG RD1010 ON SHEET EC3.0.
 - 702B** INSTALL TYPE 10 CURB INLET SEDIMENT DAM PER ODOT STD DWG RD1010 ON SHEET EC3.0.
 - 703** INSTALL FILTER SOCK OR WATTLE SEDIMENT BARRIER AT LIMITS OF DISTURBANCE WHERE NECESSARY. CONTRACTOR TO COORDINATE WITH EPSC CERTIFIED INSPECTOR FOR FINAL PLACEMENT.
 - 710** INSTALL CONCRETE WASH OUT OR APPROVED ALTERNATIVE USING AN ECO-PAN CONCRETE WASH OUT PAN PER MANUFACTURER'S RECOMMENDATION.

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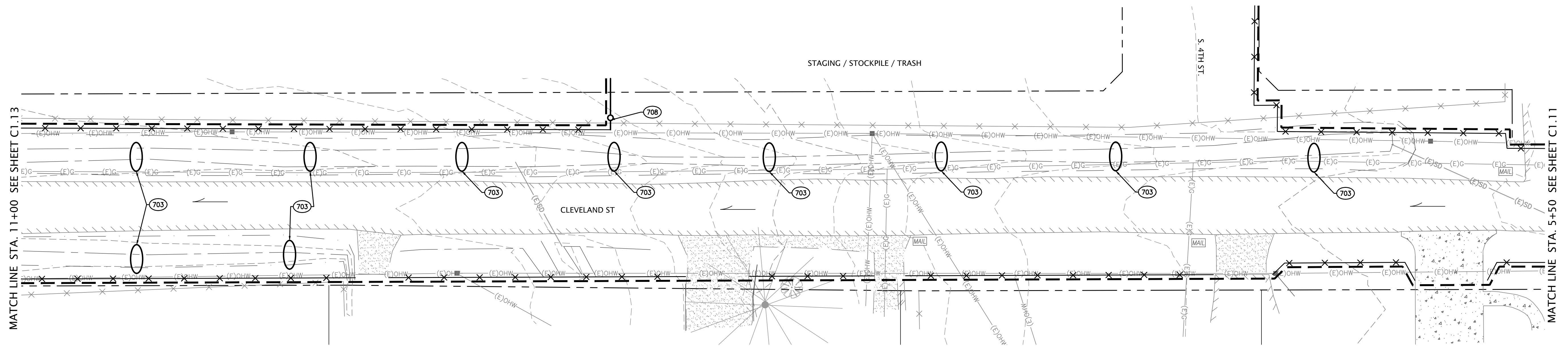
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**CLEVELAND STREET
 CAPITAL IMPROVEMENT PROJECT**

**EROSION & SEDIMENT CONTROL PLAN
 EXISTING CONDITIONS & DEMO. PHASE
 SHEET 1**

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MATCH LINE STA. 11+00 SEE SHEET C1.13

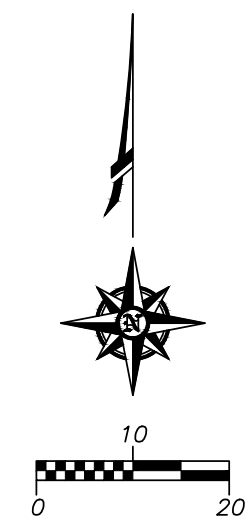
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CONSTRUCTION NOTES:

- 703** INSTALL FILTER SOCK OR WATTLE SEDIMENT BARRIER AT LIMITS OF DISTURBANCE WHERE NECESSARY. CONTRACTOR TO COORDINATE WITH EPSC CERTIFIED INSPECTOR FOR FINAL PLACEMENT.
- 708** CONSTRUCT SEDIMENT FENCING, BARK BERM OR FILTER SOCK SEDIMENT BARRIER. SEE ODOT STD DWG RD1040 & RD1031 ON SHEET EC3.0.

LEGEND

- LIMITS OF DISTURBANCE
- SEDIMENT FENCE OR APPROVED ALT.
- ×—× ORANGE CONSTRUCTION FENCE
- - - -180- EXISTING CONTOUR
- FILTER SOCK OR WATTLE SEDIMENT BARRIER
- DIRECTION OF FLOW



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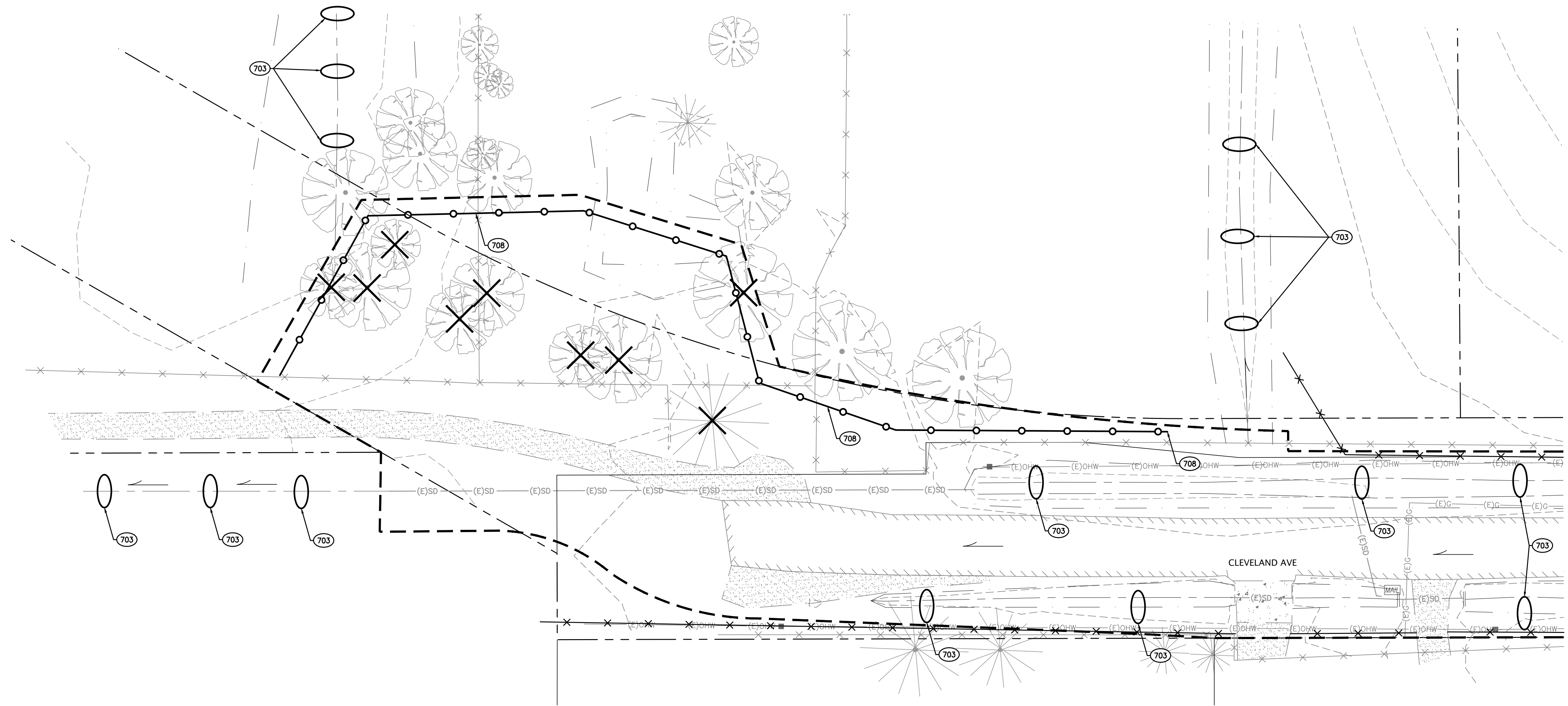
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**CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT**

**EROSION & SEDIMENT CONTROL PLAN
EXISTING CONDITIONS & DEMO. PHASE
SHEET 2**

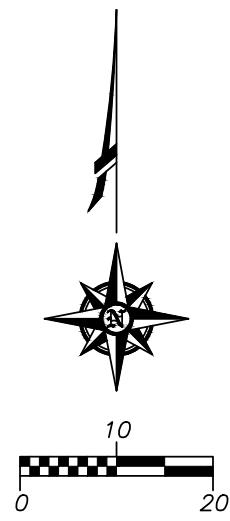
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MATCH LINE STA. 11+00 SEE SHEET C1.12

CONSTRUCTION NOTES:

- 703** INSTALL FILTER SOCK OR WATTLE SEDIMENT BARRIER AT LIMITS OF DISTURBANCE WHERE NECESSARY. CONTRACTOR TO COORDINATE WITH EPSC CERTIFIED INSPECTOR FOR FINAL PLACEMENT.
- 708** CONSTRUCT SEDIMENT FENCING, BARK BERM OR FILTER SOCK SEDIMENT BARRIER. SEE ODOT STD DWG RD1040 & RD1031 ON SHEET EC3.0.



LEGEND

- LIMITS OF DISTURBANCE
- SEDIMENT FENCE OR APPROVED ALT.
- x—x— ORANGE CONSTRUCTION FENCE
- - - -180- - - EXISTING CONTOUR
- FILTER SOCK OR WATTLE SEDIMENT BARRIER
- DIRECTION OF FLOW
- X TREE TO BE REMOVED

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 DAMIEN GILBERT
 EXPIRES: JUNE 30, 2025

CITY OF COTTAGE GROVE ENGINEERING
 400 Main Street Cottage Grove, OR 97424

REVISIONS:

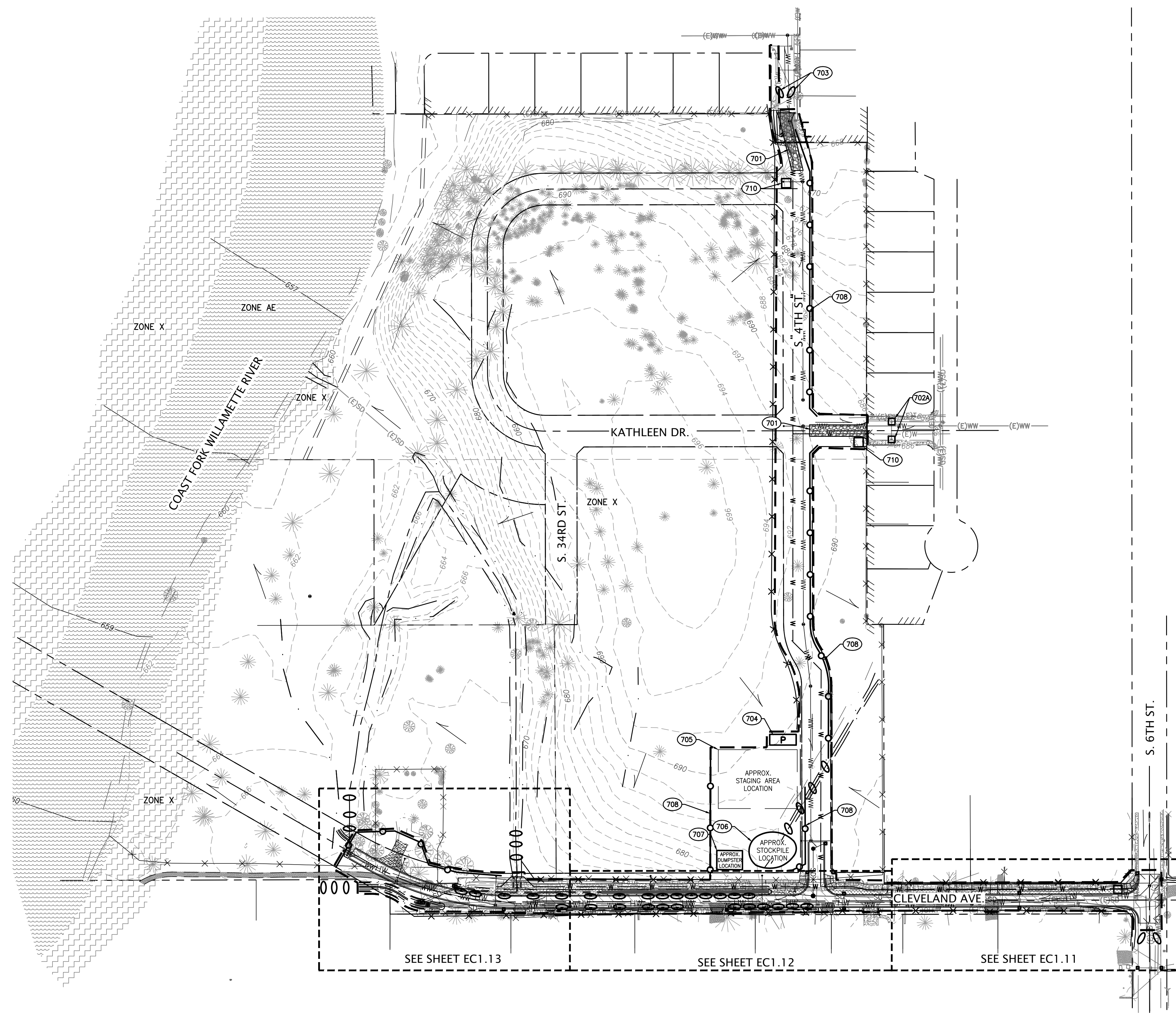
No.	DESCRIPTION	DATE

CLEVELAND STREET CAPITAL IMPROVEMENT PROJECT

EROSION & SEDIMENT CONTROL PLAN
 EXISTING CONDITIONS & DEMO. PHASE
 SHEET 3

Sheet No. **EC1.13**

DRAWN BY: MBW
 CHECKED BY: ARS
 DATE: 12/12/2024
 JOB No. 23-001C



GENERAL NOTES:

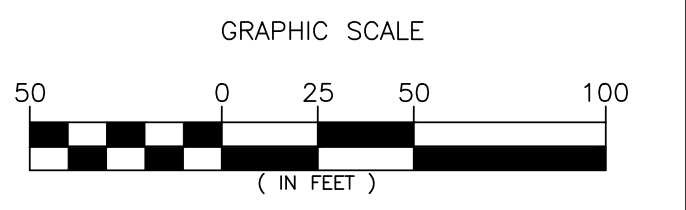
1. ALL BASE ESC MEASURES MUST BE IN PLACE, FUNCTIONAL, AND APPROVED IN AN INITIAL INSPECTION, PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.
2. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE PERIMETER SEDIMENT BARRIERS.
3. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
4. SENSITIVE RESOURCES INCLUDING, BUT NOT LIMITED TO, TREES, WETLANDS, AND RIPARIAN PROTECTION AREAS SHALL BE CLEARLY DELINEATED WITH ORANGE CONSTRUCTION FENCING OR CHAIN LINK FENCING IN A MANNER THAT IS CLEARLY VISIBLE TO ANYONE IN THE AREA. NO ACTIVITIES ARE PERMITTED TO OCCUR BEYOND THE CONSTRUCTION BARRIER.
5. STOCKPILED SOIL OR STRIPPINGS SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING OR STRAW MULCH. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
6. EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS OR MATS MID-SLOPE SEDIMENT FENCES OR WATTLES, OR OTHER APPROPRIATE MEASURES.
7. AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, PLASTIC SHEETING, STRAW MULCHING OR OTHER APPROVED MEASURES.
8. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAYBE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
9. ACTIVE INLETS TO STORMWATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED AS NEEDED.
10. SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
11. AN AREA SHALL BE PROVIDED FOR THE WASHING OUT OF CONCRETE TRUCKS IN A LOCATION THAT DOES NOT PROVIDE RUN-OFF THAT CAN ENTER THE STORMWATER SYSTEM. IF THE CONCRETE WASH-OUT AREA CAN NOT BE CONSTRUCTED GREATER THAN 50' FROM ANY DISCHARGE POINT, SECONDARY MEASURES SUCH AS BERMS OR TEMPORARY SETTLING PITS MAYBE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% CAPACITY.
12. SWEEPING FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORMWATER SYSTEM. SWEEPING SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
13. AVOID PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN-OFF INTO THE STORMWATER SYSTEM.
14. USE BMP'S SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
15. COVER CATCH BASINS, MANHOLES AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACK COAT, ETC. TO PREVENT INTRODUCING THESE MATERIALS TO THE STORMWATER SYSTEM.
16. ROUTINE MAINTENANCE SPECIFICATIONS FOR THE PERIMETER CONTROLS DOCUMENTED IN THE ESCP MUSH INCLUDE SECTIONS 2.1.4, 2.1.5, AND 2.1.6 OF THE GENERAL PERMIT NPDES CONSTRUCTION STORMWATER DISCHARGE PERMIT.
17. CONSTRUCTION WILL OCCUR DURING SUMMER MONTHS. DEWATERING IS NOT EXPECTED TO OCCUR. IF DEWATERING IS REQUIRED, DISCHARGE WATER TO ESTABLISHED VEGETATION IN UPLAND AREA.
18. CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATIONS OF SPOILS, STOCKPILES, WASTE, AND CONCRETE WASHOUT STATIONS FOR THE DURATION OF THE PROJECT. ALL HAZARDOUS MATERIAL STOCKPILES, AS WELL AS AREAS WHERE HAZARDOUS MATERIALS MIGHT INFILTRATE SOIL, MUST BE PROPERLY MAINTAINED AND CONTROLLED USING APPLICABLE BMP'S. CESL OR INSPECTING ENGINEER WILL VERIFY AND COORDINATE THE LOCATIONS AND TYPES OF BMP'S USED. ANY BMP'S IMPLEMENTED BEYOND THOSE SPECIFIED IN THESE PLANS SHOULD BE REPORTED TO THE ESCP PREPARER AND DEQ. THIS WILL ALLOW FOR AN ASSESSMENT OF WHETHER THE PLANS NEED TO BE UPDATED TO INCORPORATE ADDITIONAL MEASURES.

CONSTRUCTION NOTES:

- 701 INSTALL CONSTRUCTION ENTRANCE/EXIT PER ODOT STD DWG RD1000 ON SHEET EC3.0. AND THE WASH FACILITY PER ODOT STD DWG RD1060 ON SHEET EC3.1.
- 702A INSTALL TYPE 3 CATCH BASIN FILTER INSERT PER ODOT STD DWG RD1010 ON SHEET EC3.0.
- 702B INSTALL TYPE 10 CURB INLET SEDIMENT DAM PER ODOT STD DWG RD1010 ON SHEET EC3.0.
- 703 INSTALL FILTER SOCK OR WATTLE SEDIMENT BARRIER AT CURB CUT SPILLWAYS & LIMITS OF DISTURBANCE WHERE NECESSARY. CONTRACTOR TO COORDINATE WITH EPSC CERTIFIED INSPECTOR FOR FINAL PLACEMENT.
- 704 PROVIDE AND MAINTAIN PORTABLE RESTROOMS/SANITARY FACILITIES PER OSHA STANDARDS. FINAL LOCATION TO BE DETERMINED BY CONTRACTOR.
- 705 TEMPORARY AREA FOR EQUIPMENT STORAGE, MAINTENANCE MATERIAL STORAGE, STAGING, FUEL STORAGE & REFUELING, AND HAZARDOUS WASTE. SEE SPILL PREVENTION AND CONTROL NOTES ON SHEET EC0.0. SEE GENERAL NOTE 18 ON THIS SHEET.
- 706 TEMPORARY STOCKPILE LOCATION. INSTALL PLASTIC SHEETING ON STOCKPILE PER ODOT TECHNICAL SERVICES DETAIL DET6001 ON SHEET EC3.1. SEE GENERAL NOTE 18 ON THIS SHEET.
- 707 PROVIDE DUMPSTER CONTAINERS FOR CONSTRUCTION DEBRIS. SEE GENERAL NOTE 18 ON THIS SHEET.
- 708 CONSTRUCT SEDIMENT FENCING, BARK BERM OR FILTER SOCK SEDIMENT BARRIER. SEE ODOT STD DWG RD1040 & RD1031 ON SHEET EC3.0.
- 710 INSTALL CONCRETE WASH OUT OR APPROVED ALTERNATIVE USING AN ECO-PAN CONCRETE WASH OUT PAN PER MANUFACTURER'S RECOMMENDATION.
- 711 INSTALL PLANTING AND/OR SEED PER LANDSCAPING PLANS.

LEGEND

- LIMITS OF DISTURBANCE
- SEDIMENT FENCE OR APPROVED ALT.
- × ORANGE CONSTRUCTION FENCE
- P PORTABLE RESTROOM
- FILTER SOCK OR WATTLE SEDIMENT BARRIER
- DIRECTION OF FLOW
- 180- EXISTING CONTOUR
- 180- PROPOSED CONTOUR
- ZONE AE SPECIAL FLOOD HAZARD AREAS INUNDED BY 100 YR. FLOOD. BASE FLOOD ELEVATIONS DETERMINED TO BE BETWEEN 655 AND 659.
- ZONE X AREAS OF 500 YR. FLOOD; AREAS OF 100 YR. FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1' OR WITH DRAINAGE AREAS LESS THAN 1 SQ. MI.; AND AREAS PROTECTED FROM 100 YR. FLOOD
- ZONE X AREAS DETERMINED TO BE OUTSIDE 500 YR. FLOODPLAIN.



REVISIONS:		
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**CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT**

**EROSION & SEDIMENT CONTROL PLAN
STREET, UTILITIES & STABILIZATION PHASE**

Sheet No.
EC2.00

DRAWN BY: MBW	CHECKED BY: ARS	DATE: 12/12/2024	JOB No. 23-001C
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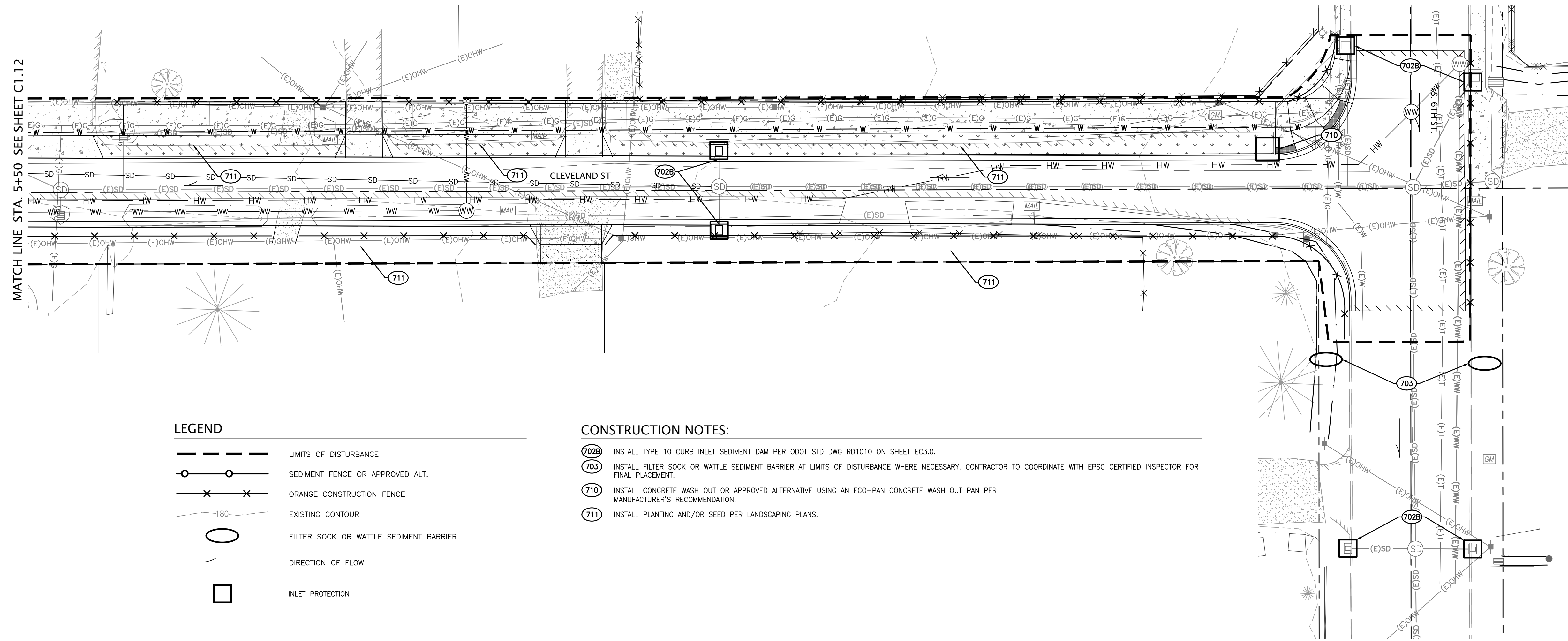
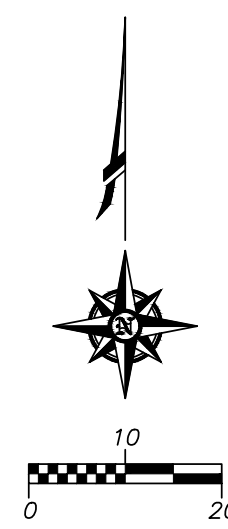
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LEGEND

- LIMITS OF DISTURBANCE
- SEDIMENT FENCE OR APPROVED ALT.
- ORANGE CONSTRUCTION FENCE
- EXISTING CONTOUR
- FILTER SOCK OR WATTLE SEDIMENT BARRIER
- DIRECTION OF FLOW
- INLET PROTECTION

CONSTRUCTION NOTES:

- 702B** INSTALL TYPE 10 CURB INLET SEDIMENT DAM PER ODOT STD DWG RD1010 ON SHEET EC3.0.
- 703** INSTALL FILTER SOCK OR WATTLE SEDIMENT BARRIER AT LIMITS OF DISTURBANCE WHERE NECESSARY. CONTRACTOR TO COORDINATE WITH EPSC CERTIFIED INSPECTOR FOR FINAL PLACEMENT.
- 710** INSTALL CONCRETE WASH OUT OR APPROVED ALTERNATIVE USING AN ECO-PAN CONCRETE WASH OUT PAN PER MANUFACTURER'S RECOMMENDATION.
- 711** INSTALL PLANTING AND/OR SEED PER LANDSCAPING PLANS.

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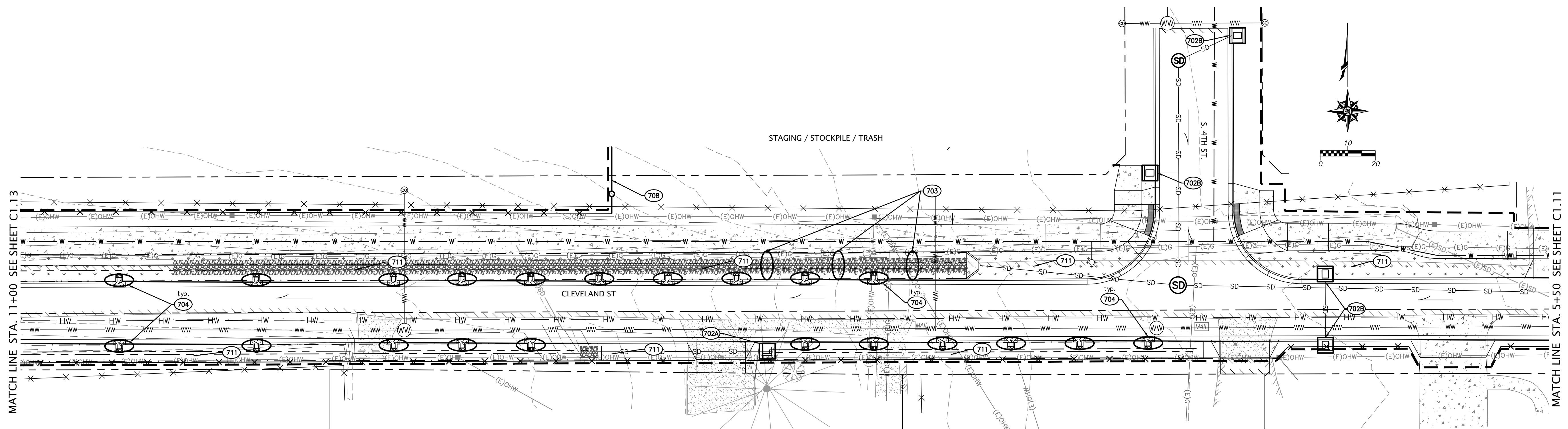
**CLEVELAND STREET
 CAPITAL IMPROVEMENT PROJECT**

**EROSION & SEDIMENT CONTROL PLAN
 STREET, UTILITIES & STABILIZATION PHASE
 SHEET 1**

Sheet No. **EC2.11**

DRAWN BY: MBW CHECKED BY: ARS DATE: 12/12/2024

JOB No. 23-001C



CONSTRUCTION NOTES:

- 702A** INSTALL TYPE 3 CATCH BASIN FILTER INSERT PER ODOT STD DWG RD1010 ON SHEET EC3.0.
- 702B** INSTALL TYPE 10 CURB INLET SEDIMENT DAM PER ODOT STD DWG RD1010 ON SHEET EC3.0.
- 704** INSTALL FILTER SOCK OR WATTLE SEDIMENT BARRIER AT CURB CUT SPILLWAYS & LIMITS OF DISTURBANCE WHERE NECESSARY. CONTRACTOR TO COORDINATE WITH EPSC CERTIFIED INSPECTOR FOR FINAL PLACEMENT.
- 708** CONSTRUCT SEDIMENT FENCING, BARK BERM OR FILTER SOCK SEDIMENT BARRIER. SEE ODOT STD DWG RD1040 & RD1031 ON SHEET EC3.0.
- 711** INSTALL PLANTING AND/OR SEED PER LANDSCAPING PLANS.

LEGEND

- LIMITS OF DISTURBANCE
- SEDIMENT FENCE OR APPROVED ALT.
- ORANGE CONSTRUCTION FENCE
- EXISTING CONTOUR
- FILTER SOCK OR WATTLE SEDIMENT BARRIER
- DIRECTION OF FLOW
- TREE TO BE REMOVED
- INLET PROTECTION

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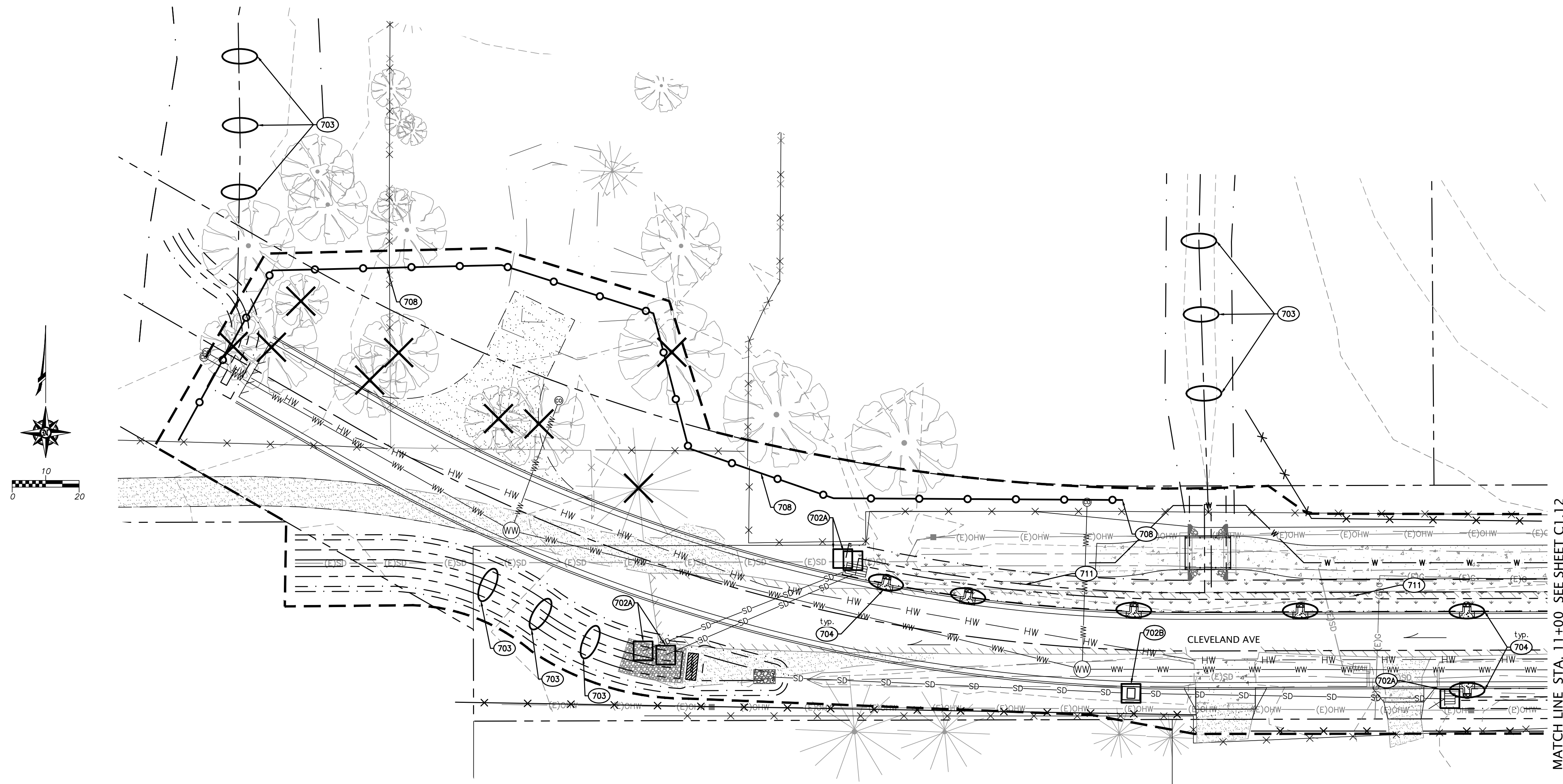
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**CLEVELAND STREET
 CAPITAL IMPROVEMENT PROJECT**

**EROSION & SEDIMENT CONTROL PLAN
 STREET, UTILITIES & STABILIZATION PHASE
 SHEET 2**

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Sheet No. **EC2.12**
 JOB No. 23-001C



CONSTRUCTION NOTES:

- 702A INSTALL TYPE 3 CATCH BASIN FILTER INSERT PER ODOT STD DWG RD1010 ON SHEET EC3.0.
- 702B INSTALL TYPE 10 CURB INLET SEDIMENT DAM PER ODOT STD DWG RD1010 ON SHEET EC3.0.
- 704 INSTALL FILTER SOCK OR WATTLE SEDIMENT BARRIER AT CURB CUT SPILLWAYS & LIMITS OF DISTURBANCE WHERE NECESSARY. CONTRACTOR TO COORDINATE WITH EPSC CERTIFIED INSPECTOR FOR FINAL PLACEMENT.
- 708 CONSTRUCT SEDIMENT FENCING, BARK BERM OR FILTER SOCK SEDIMENT BARRIER. SEE ODOT STD DWG RD1040 & RD1031 ON SHEET EC3.0.
- 711 INSTALL PLANTING AND/OR SEED PER LANDSCAPING PLANS.

LEGEND

- LIMITS OF DISTURBANCE
- SEDIMENT FENCE OR APPROVED ALT.
- × ORANGE CONSTRUCTION FENCE
- 180- EXISTING CONTOUR
- FILTER SOCK OR WATTLE SEDIMENT BARRIER
- DIRECTION OF FLOW
- × TREE TO BE REMOVED
- INLET PROTECTION

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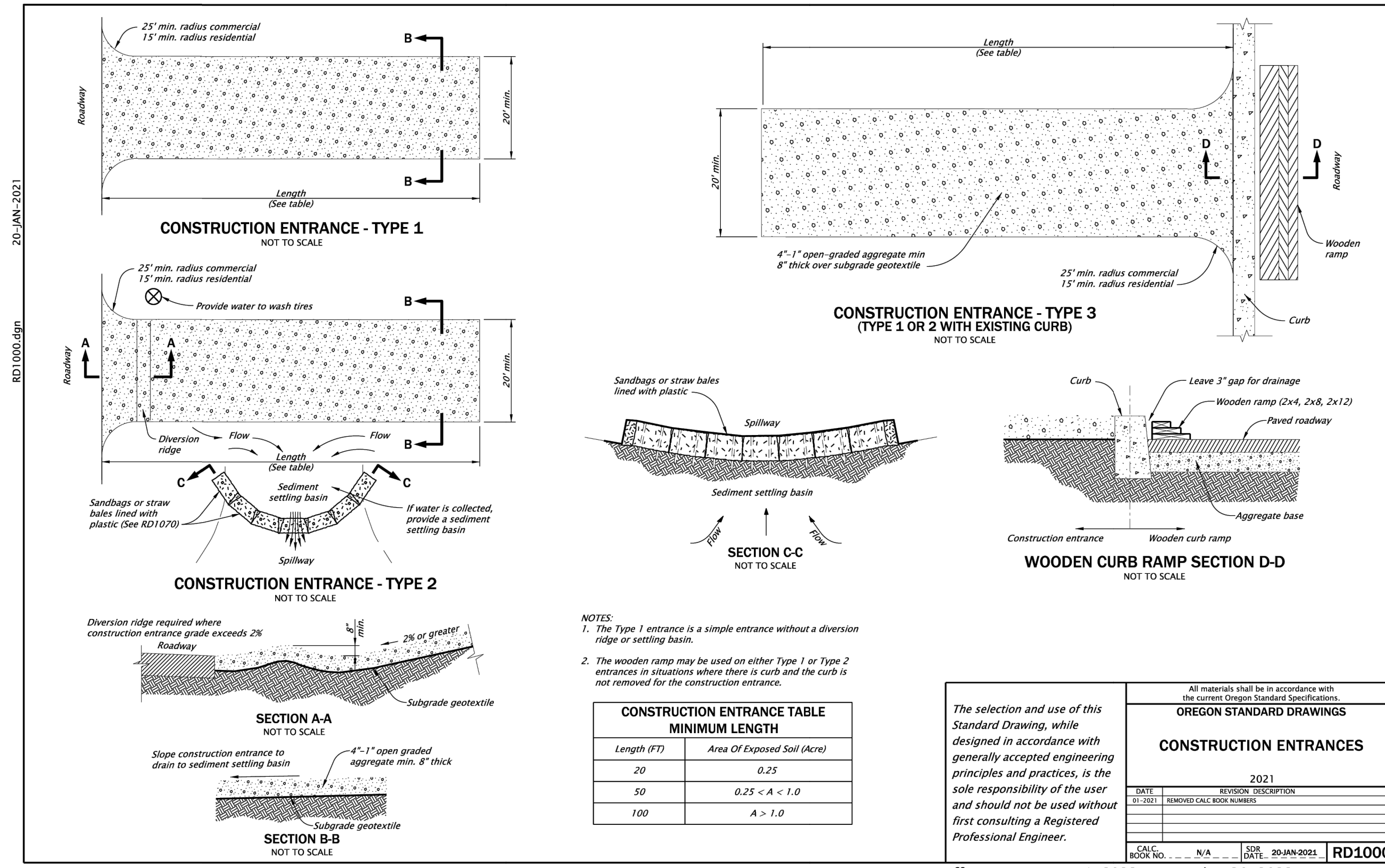
**CLEVELAND STREET
 CAPITAL IMPROVEMENT PROJECT**

**EROSION & SEDIMENT CONTROL PLAN
 STREET, UTILITIES & STABILIZATION PHASE
 SHEET 3**

Sheet No.
EC2.13

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20-JAN-2021
RD1000.dgn

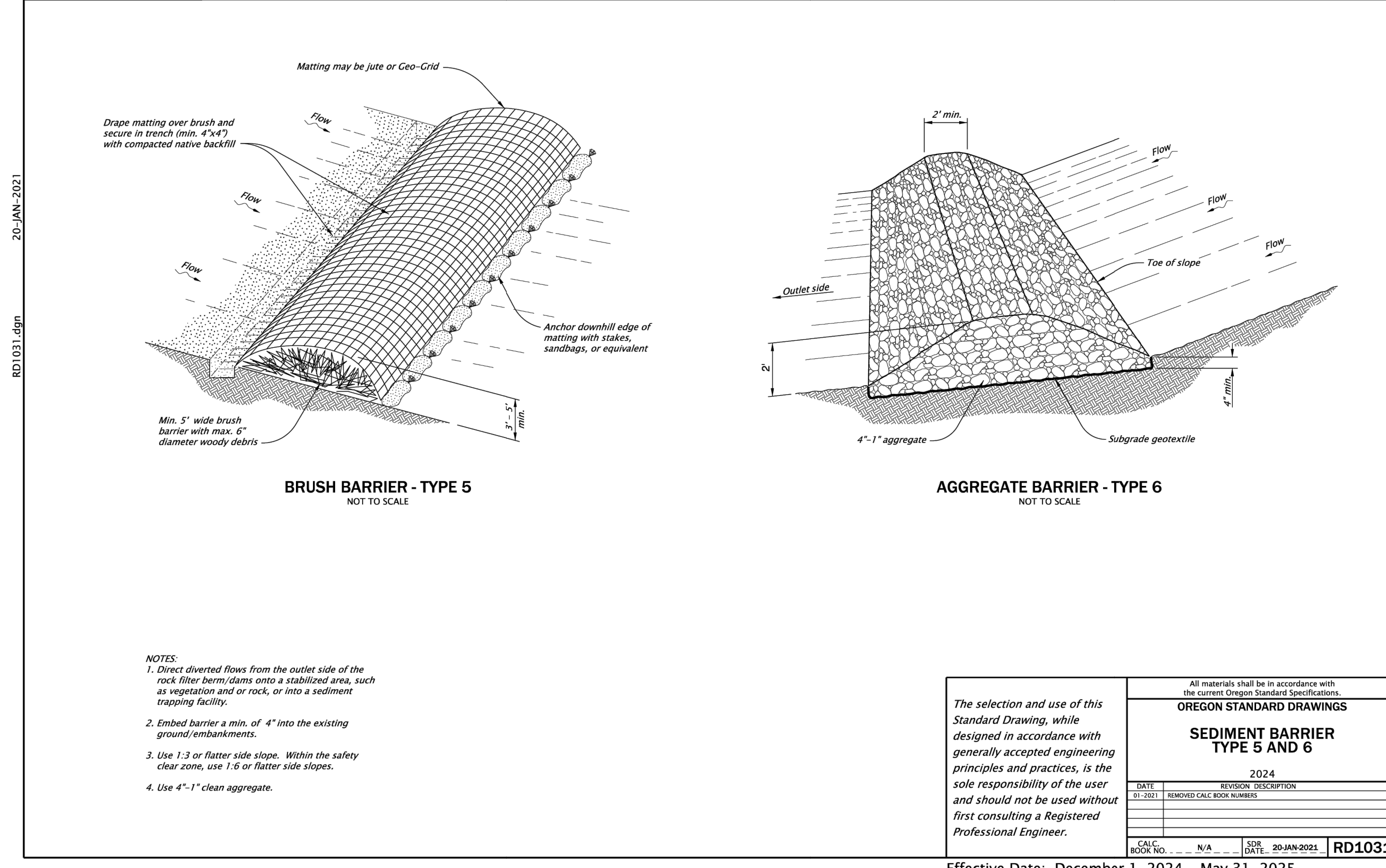


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Effective Date: June 1, 2023 - November 30, 2023

RD1000

20-JAN-2021
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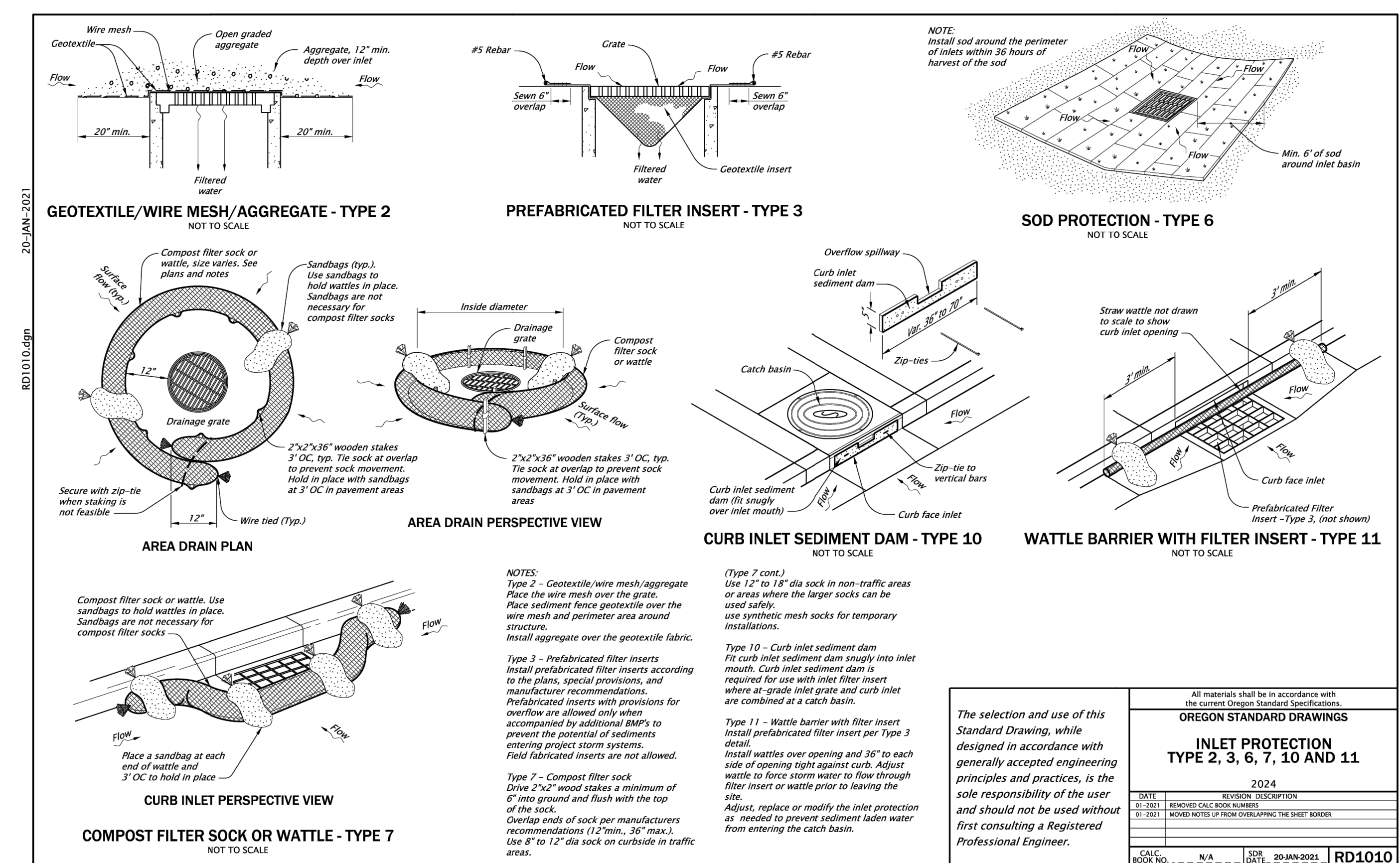


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Effective Date: December 1, 2024 - May 31, 2025

RD1031

20-JAN-2021
RD1010.dgn

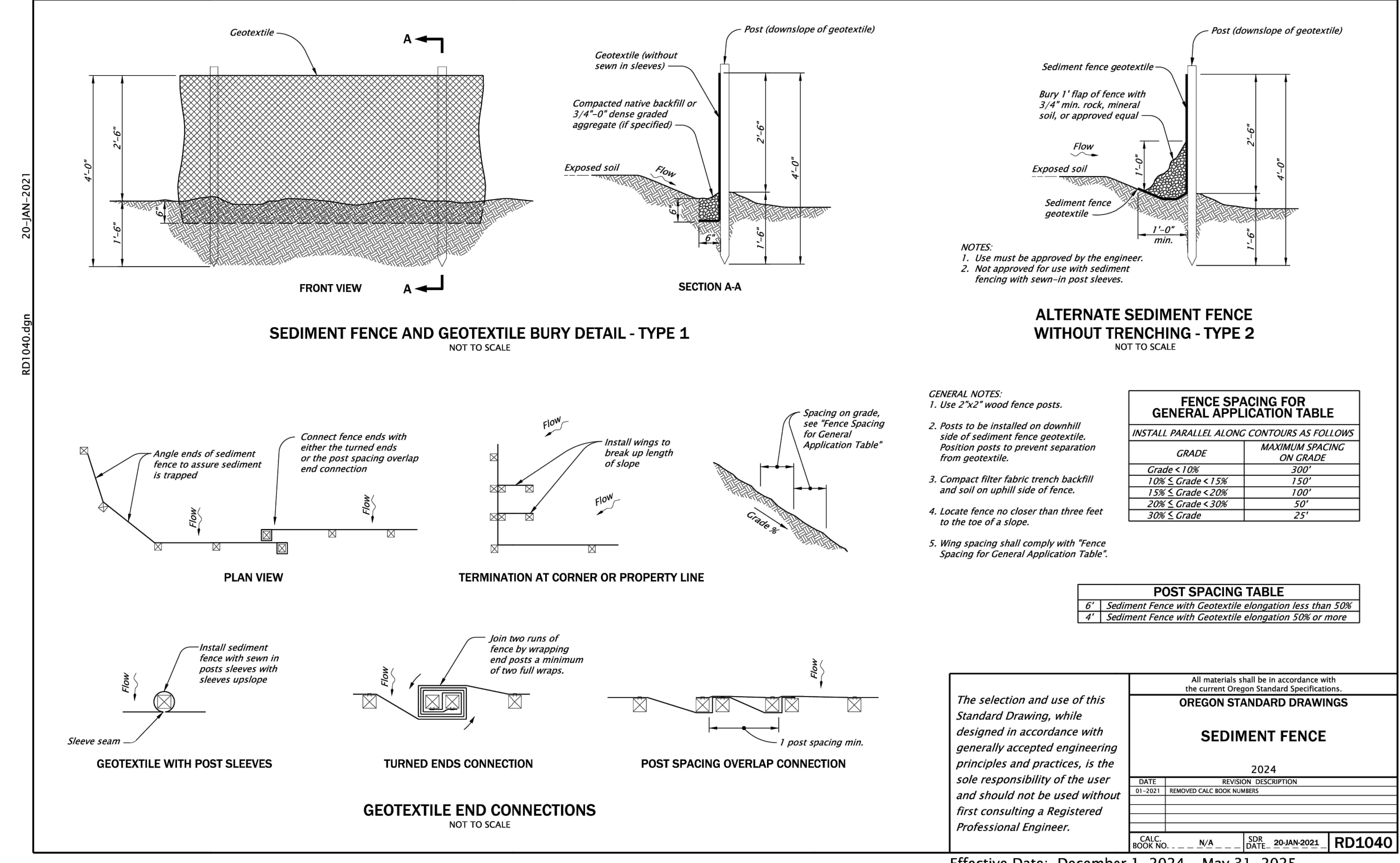


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RD1010

20-JAN-2021
RD1040.dgn



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RD1040

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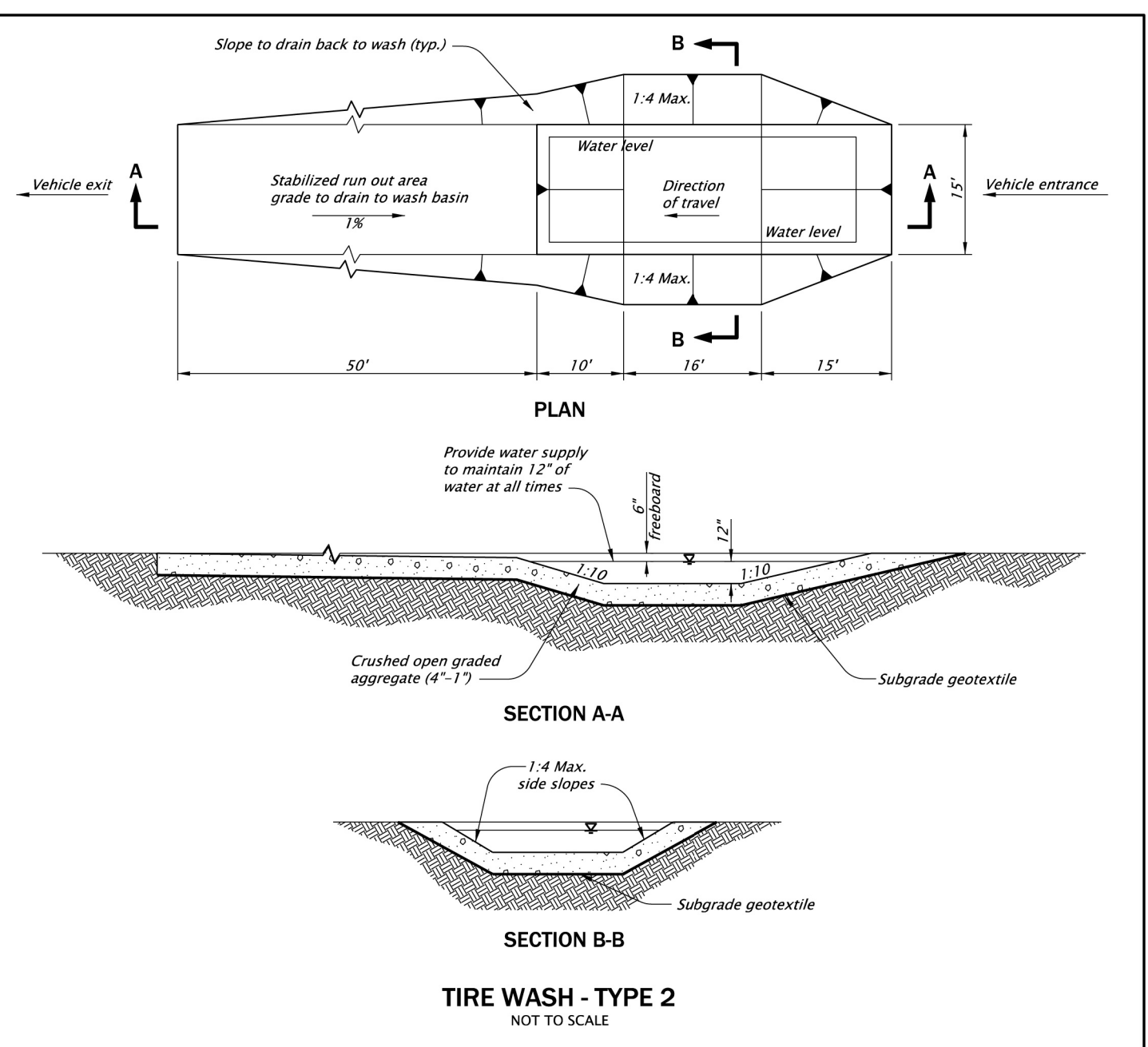
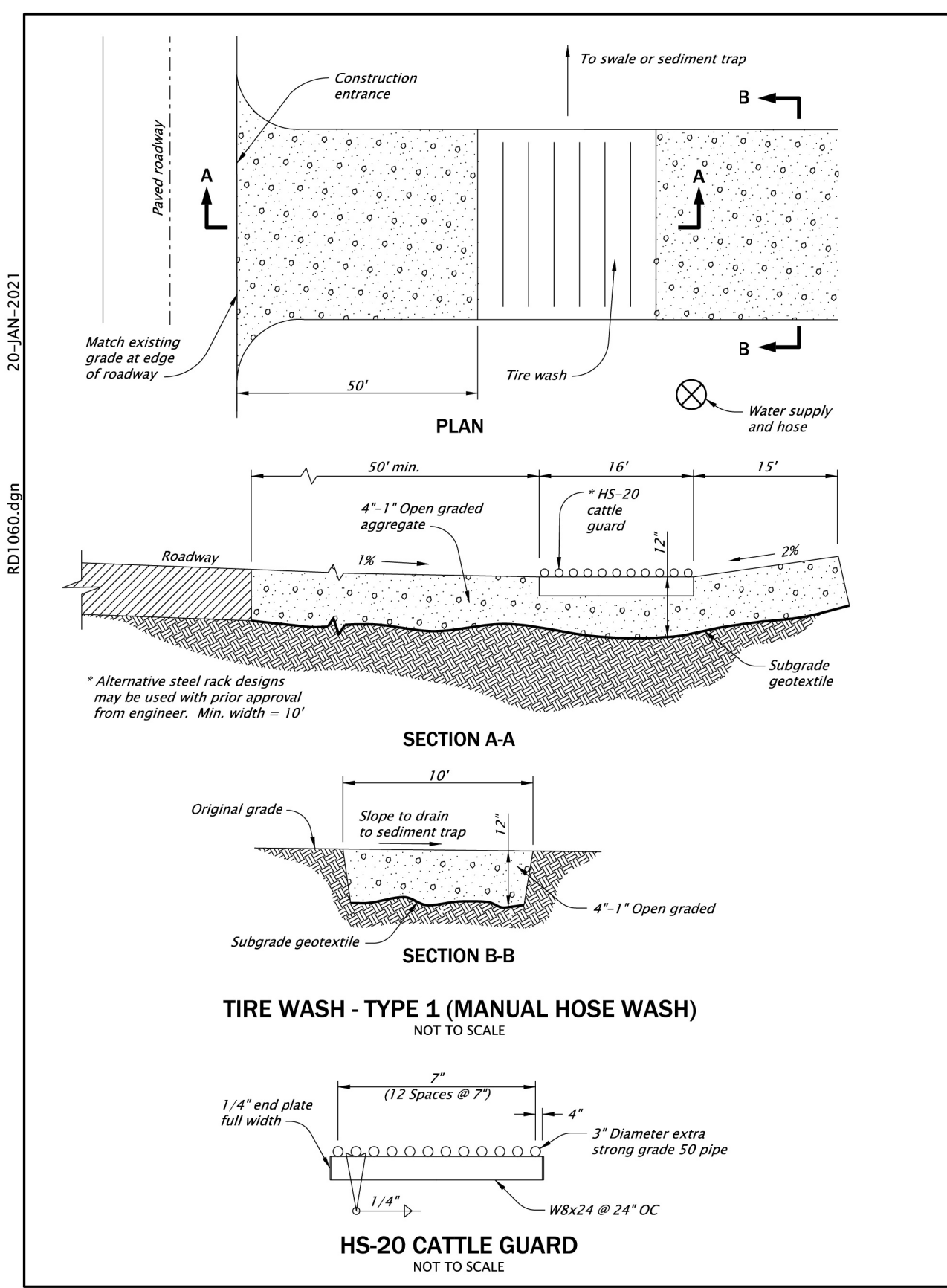
CLEVELAND STREET CAPITAL IMPROVEMENT PROJECT

EROSION & SEDIMENT CONTROL PLAN
DETAILS
SHEET 1

Sheet No. **EC3.0**

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All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS

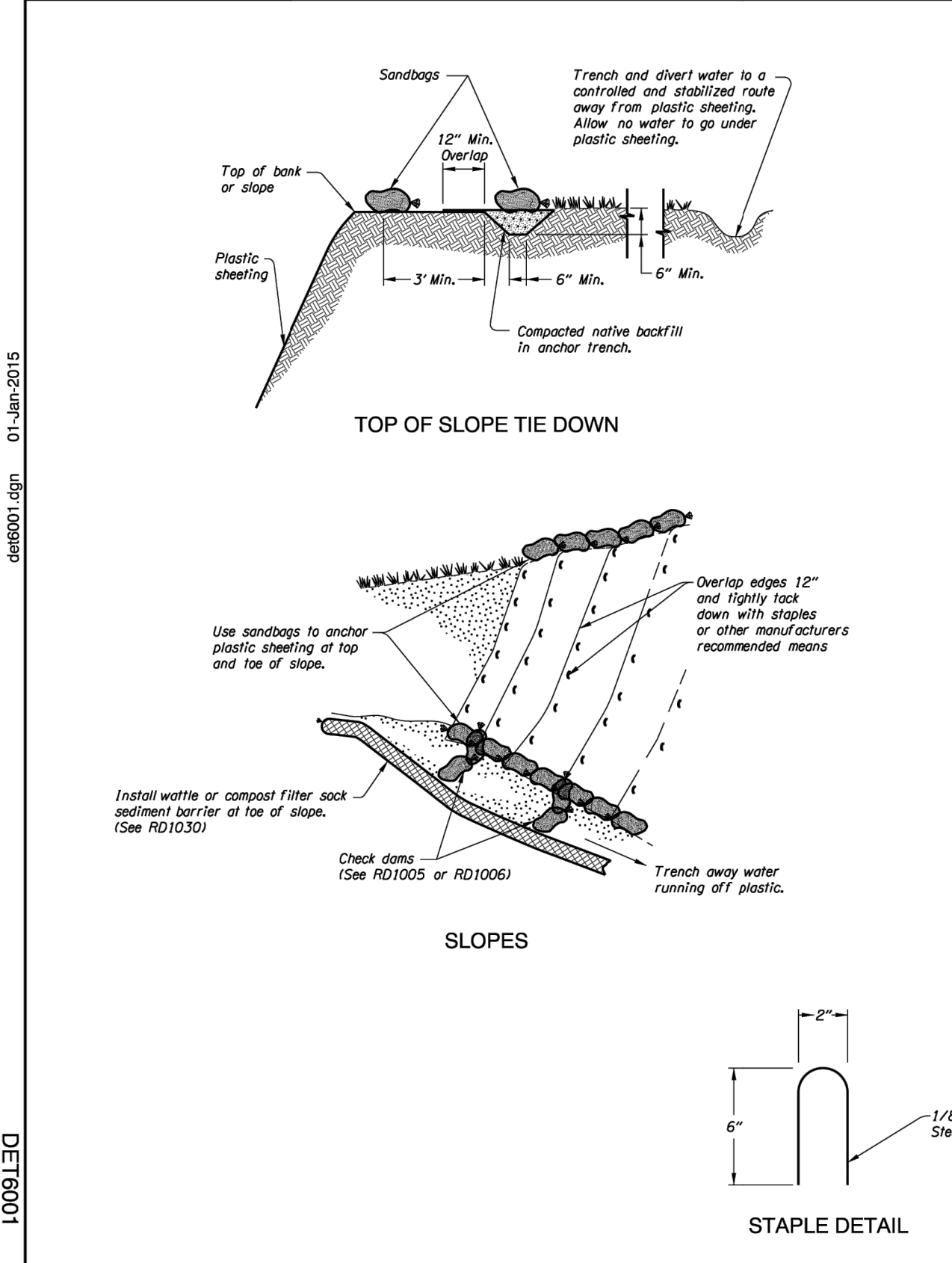
TIRE WASH FACILITY TYPE 1 AND 2

2024

DATE	REVISION DESCRIPTION
01-2021	REVISED CALC BOOK NUMBERS

CALC BOOK No. N/A SCALE DATE: 20 JAN 2024 **RD1060**

Effective Date: December 1, 2023 - May 31, 2024



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TECHNICAL SERVICES
DETAILS

PLASTIC SHEETING

DETAIL NO. **DET6001**

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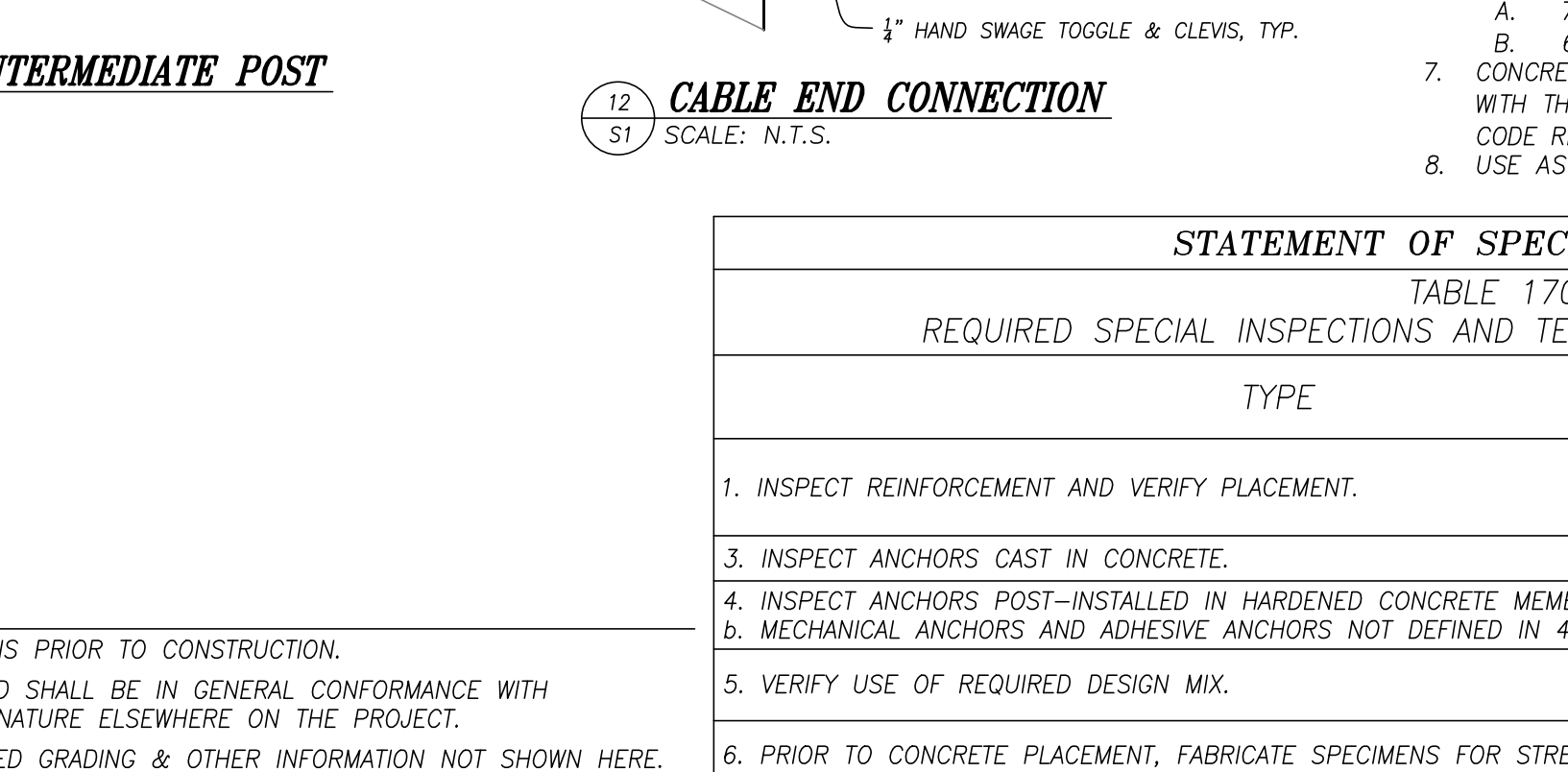
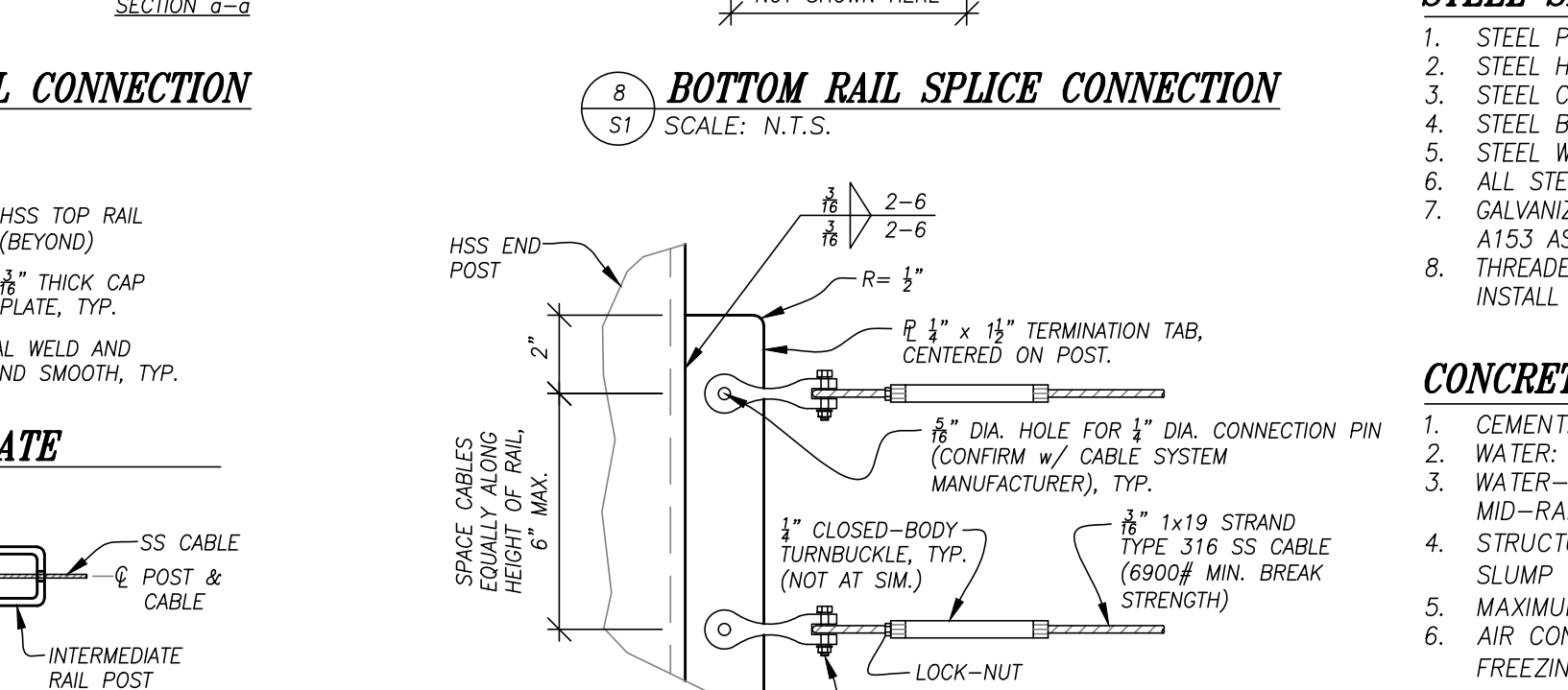
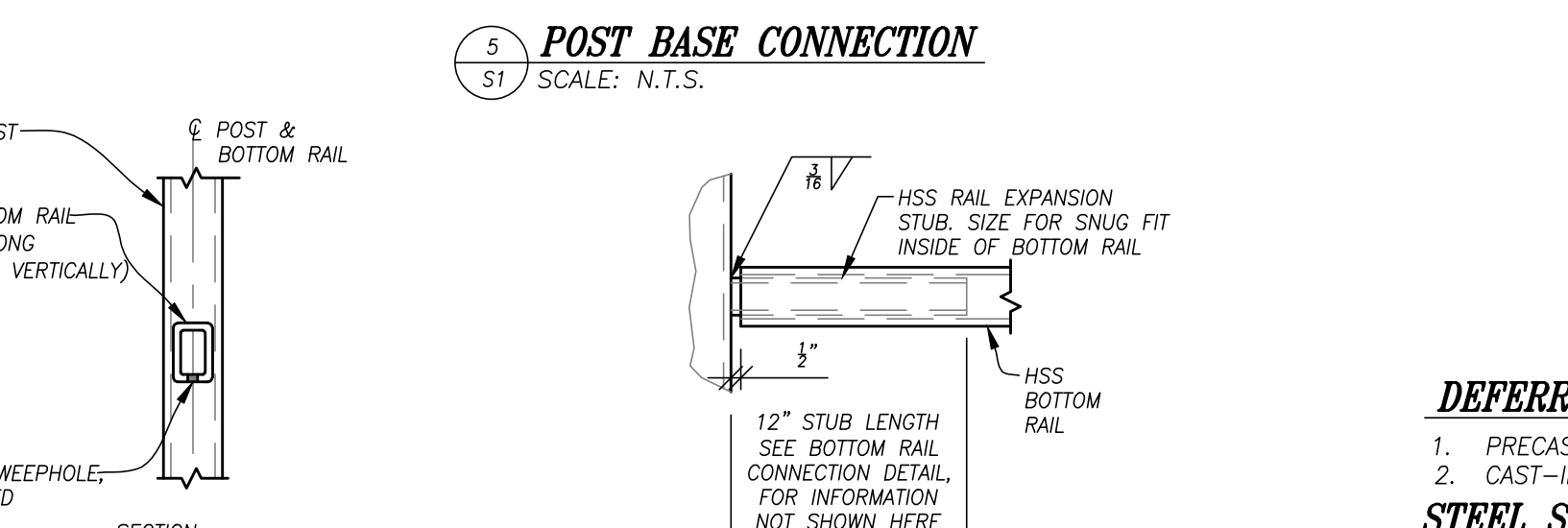
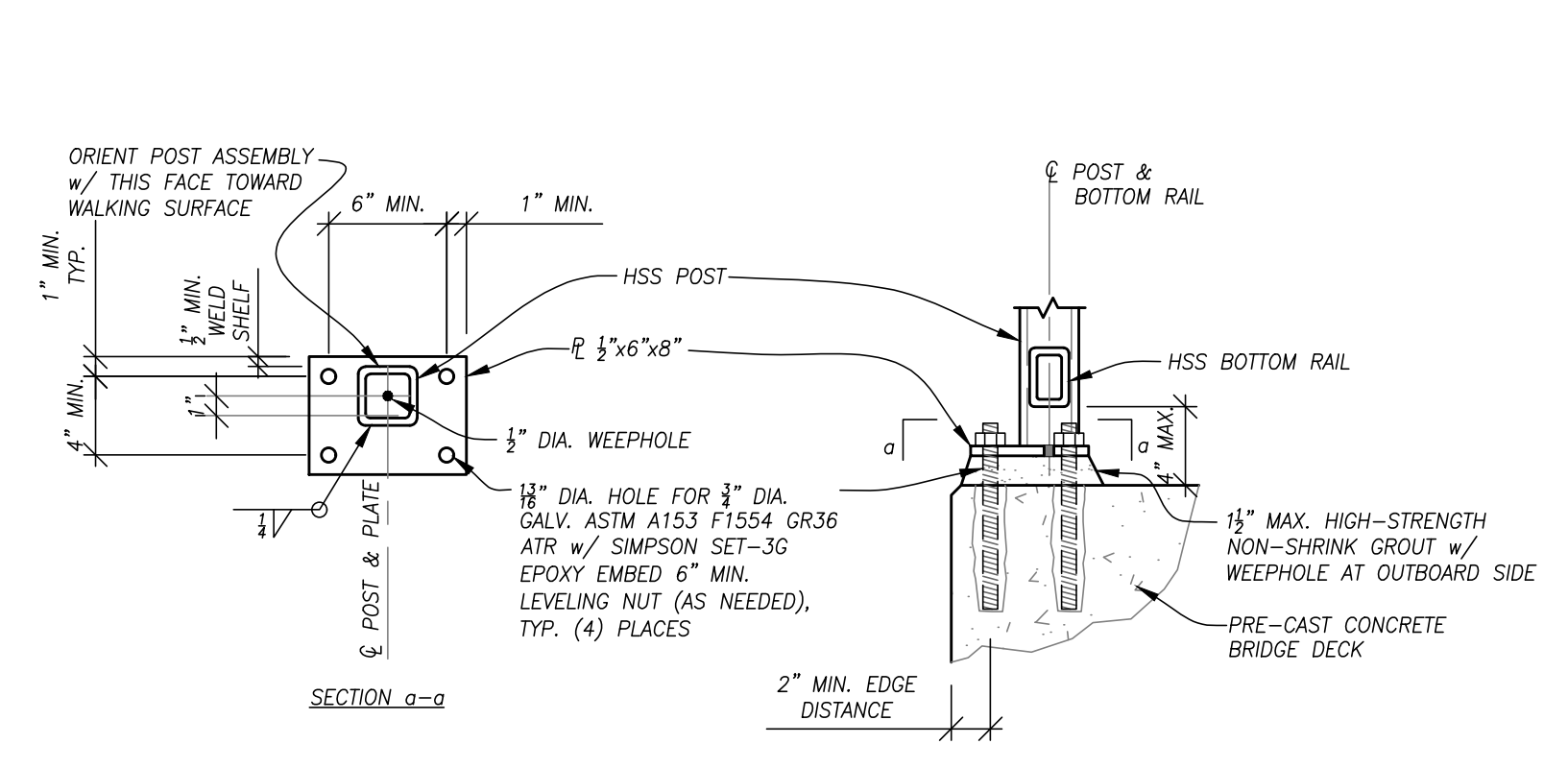
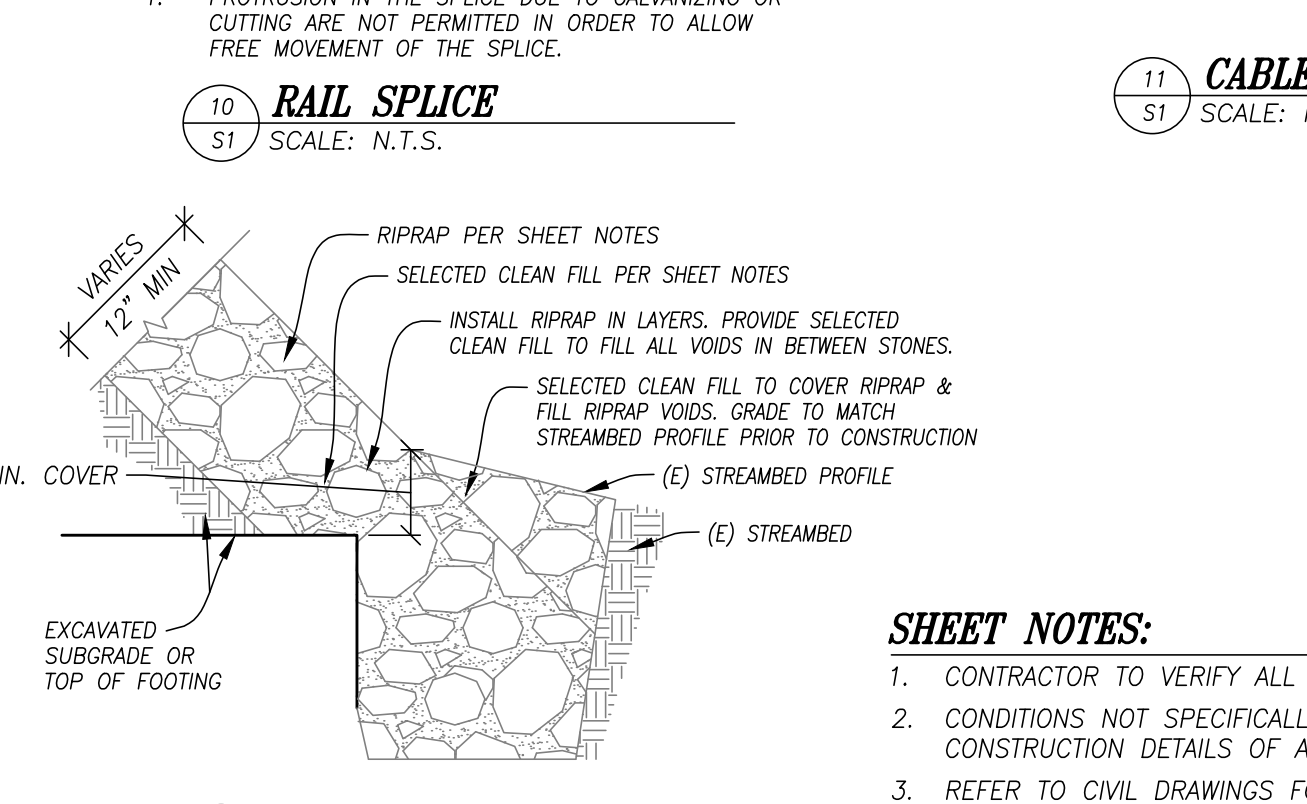
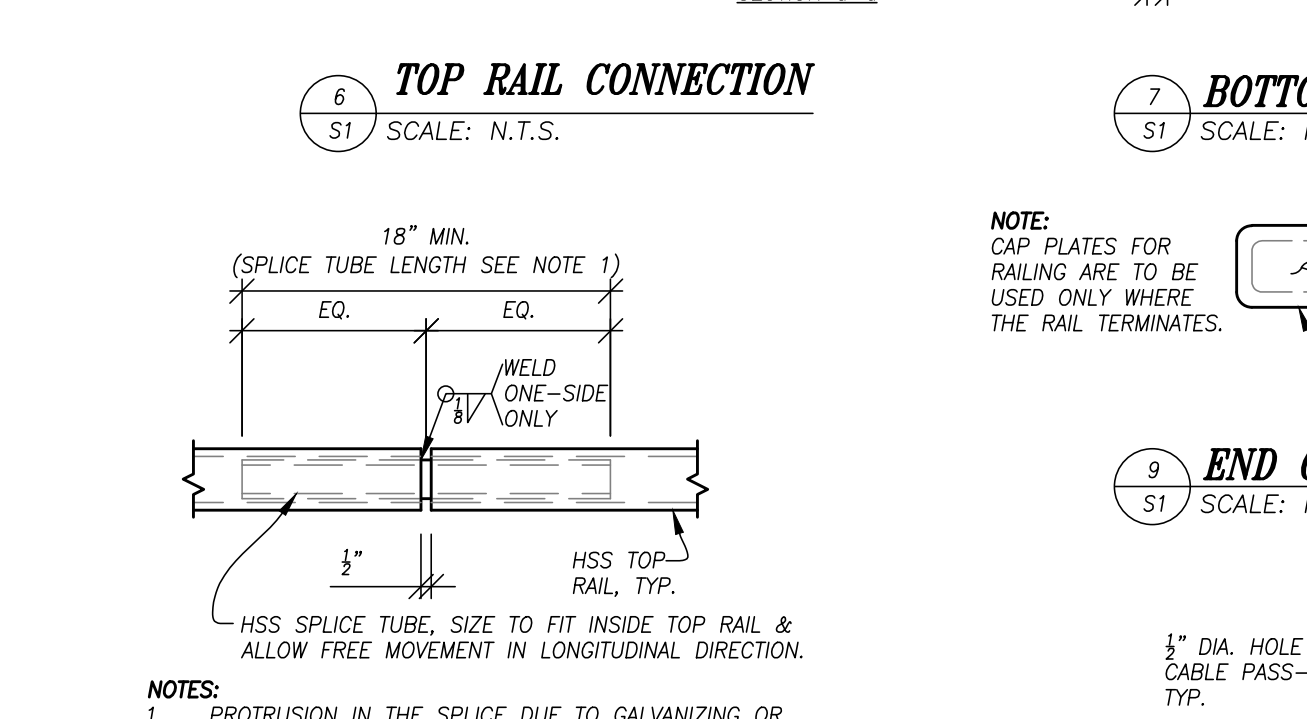
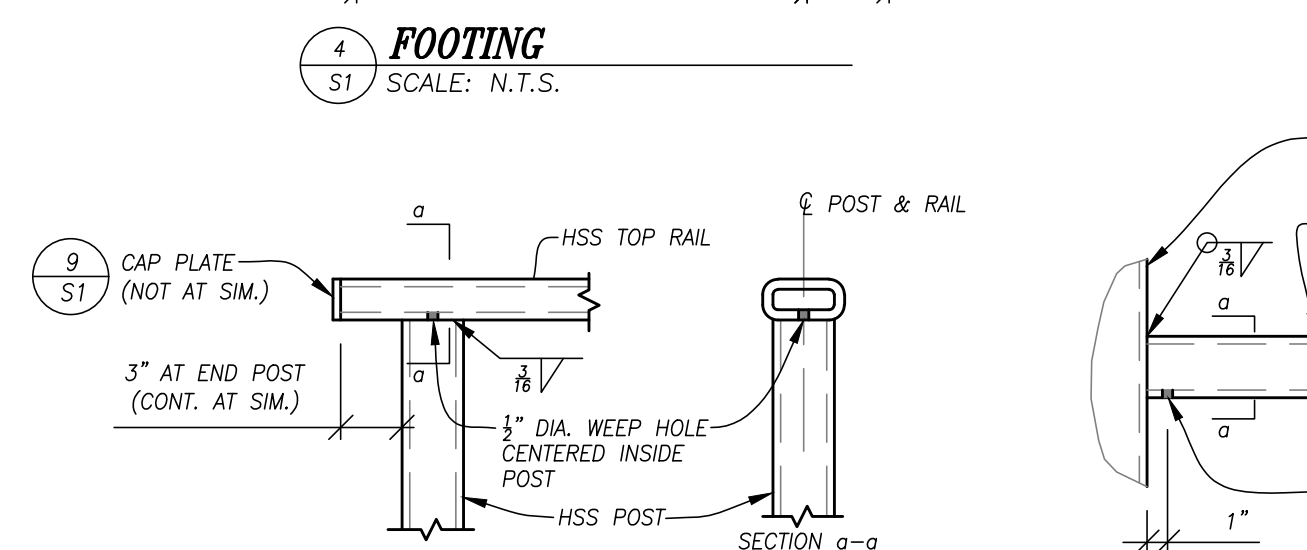
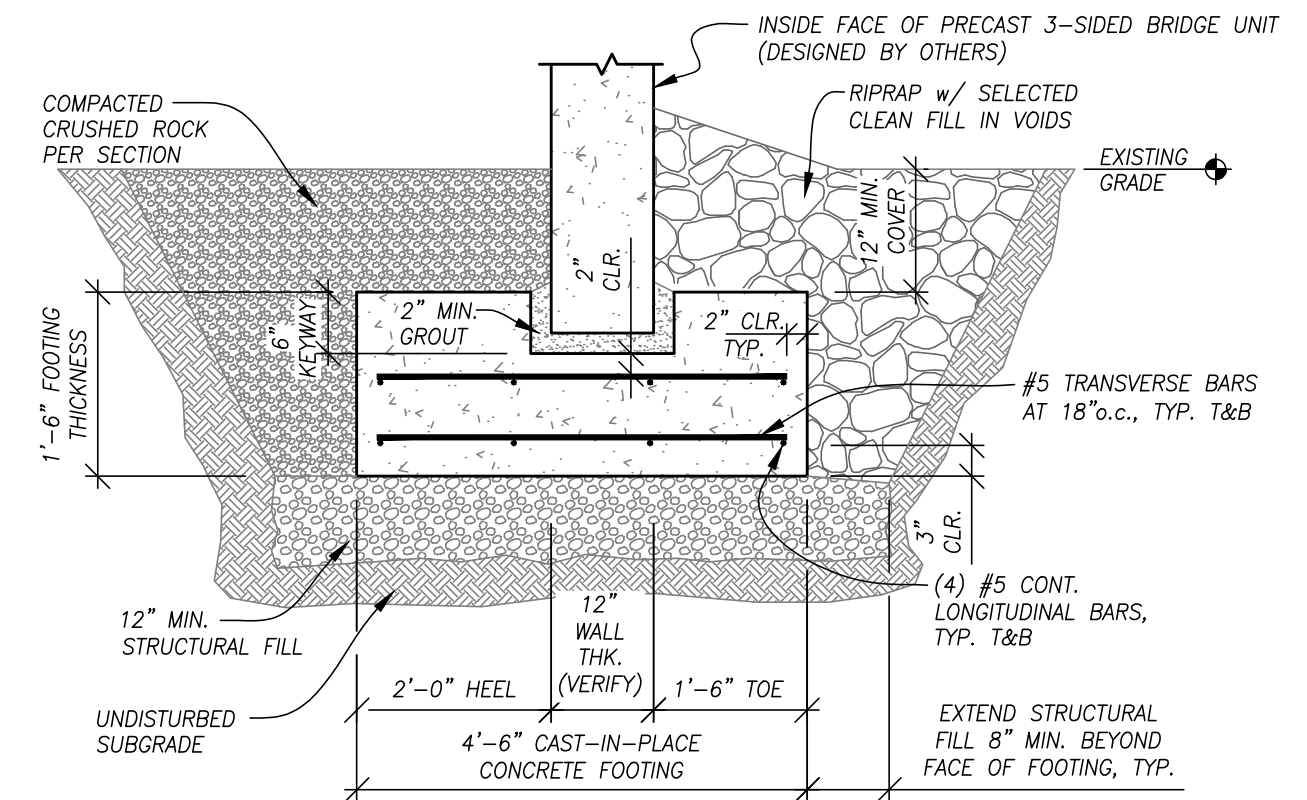
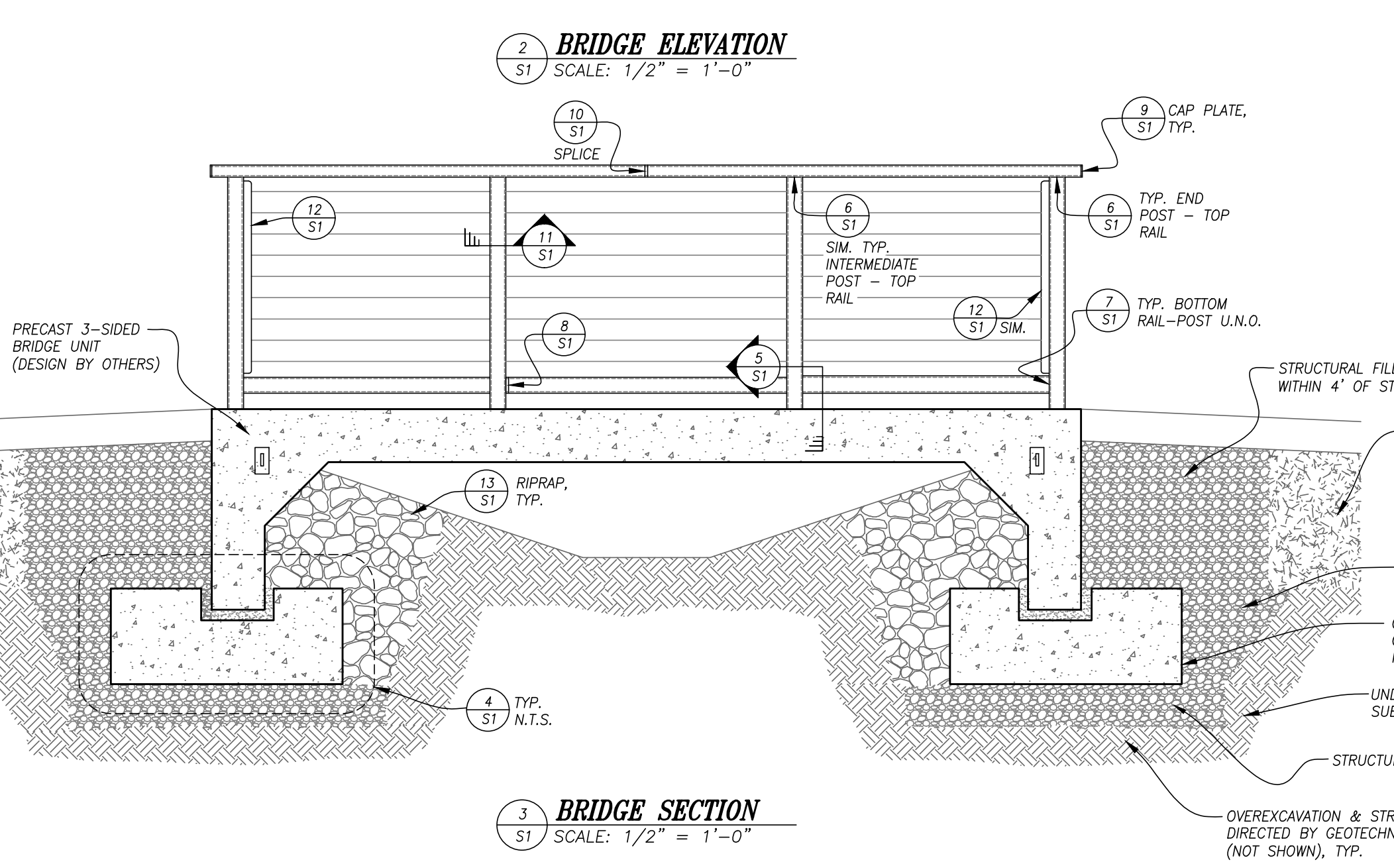
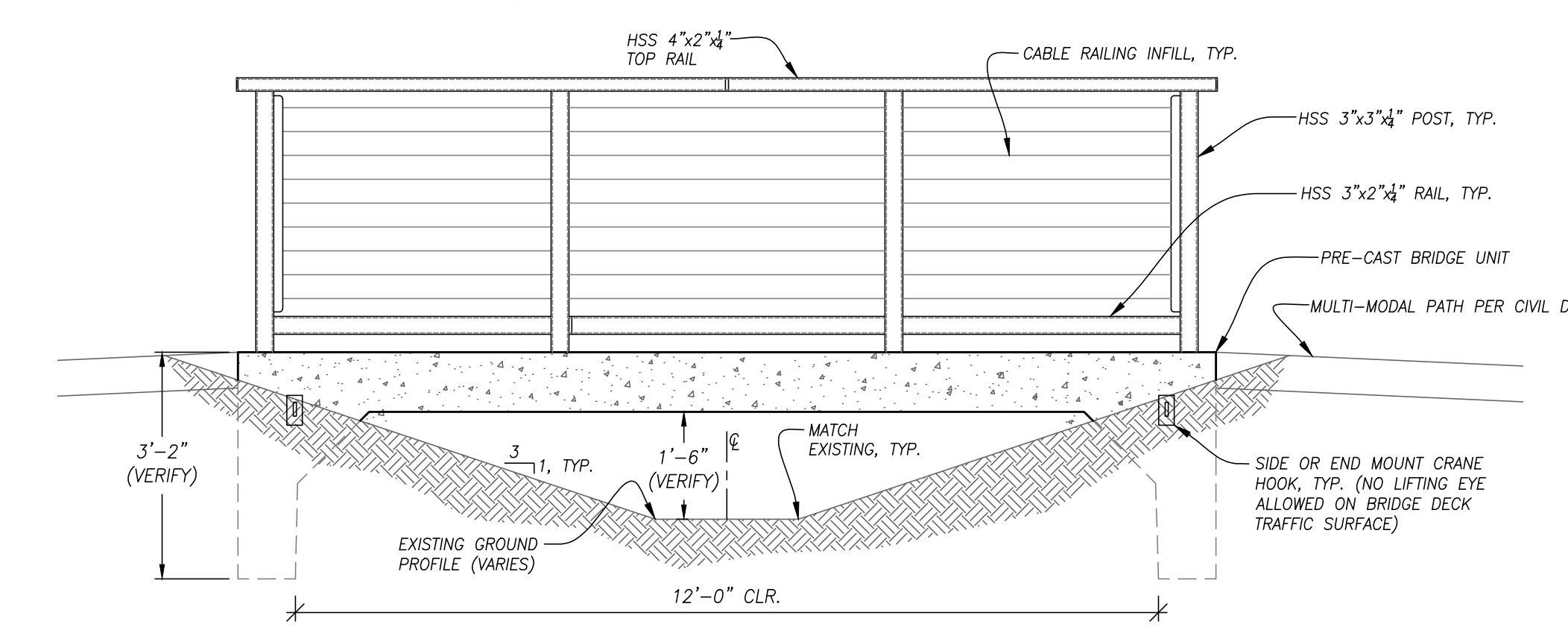
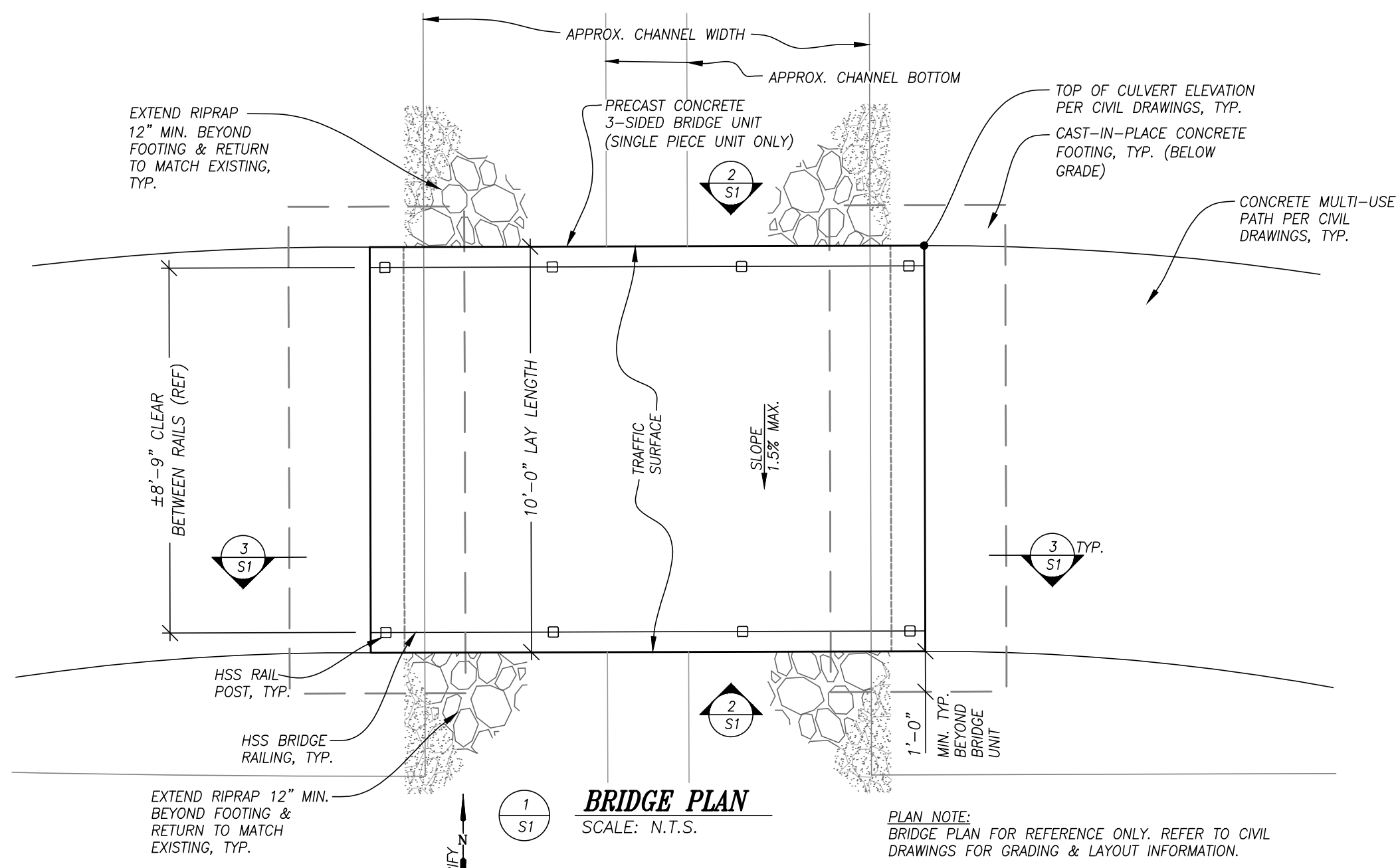
CLEVELAND STREET CAPITAL IMPROVEMENT PROJECT

EROSION & SEDIMENT CONTROL PLAN DETAILS SHEET 2

Sheet No. **EC3.1**

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- DEFERRED SUBMITTALS**
1. PRECAST 3-SIDED BRIDGE UNIT
 2. CAST-IN-PLACE CONCRETE FOOTING
- STEEL SPECIFICATIONS:**
1. STEEL PLATES - A36
 2. STEEL HSS - A500 GRADE B
 3. STEEL CHANNEL & ANGLE SHAPES - A36
 4. STEEL BOLTS - A325N U.N.O.
 5. STEEL WELD ELECTRODES - 70xx
 6. ALL STEEL PARTS SHALL BE HOT DIP GALV.
 7. GALVANIZING TO BE IN ACCORDANCE WITH ASTM A123 OR A153 AS APPLICABLE.
 8. THREADED ROD SHALL BE F1554 GRADE 36 OR BETTER. INSTALL ANCHORS PER MFG. SPECIFICATIONS

- CONCRETE SPECIFICATIONS:**
1. CEMENT: ASTM C150 TYPE I OR II.
 2. WATER: IN CONFORMANCE WITH ASTM C94.
 3. WATER-REDUCING ADMIXTURE: ASTM C494 TYPE A, OR TYPE F MID-RANGE TYPE.
 4. STRUCTURAL CONCRETE SHALL BE $f_c = 4500$ PSI AT 28 DAYS. SLUMP SHALL BE 4 ± 1 ". (DESIGN BASED ON 2,500 PSI).
 5. MAXIMUM W/C RATIO SHALL BE 0.45.
 6. AIR CONTENT: EXTERIOR - CONCRETE EXPOSED TO CYCLES OF FREEZING AND THAWING [F2]
 - A. $7\% \pm 1.5\%$ ($3/4$ " NOMINAL AGGREGATE SIZE).
 - B. $6\% \pm 1.5\%$ ($1/2$ " NOMINAL AGGREGATE SIZE).
 7. CONCRETE MATERIALS AND QUALITY SHALL BE IN ACCORDANCE WITH THE CURRENT ADOPTED VERSION OF ACI 318 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE".
 8. USE ASTM A615 GRADE 60 REINFORCING BARS.

STATEMENT OF SPECIAL INSPECTION			
TABLE 1705.3 REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION			
TYPE	CONT.	PERIODIC C	REFERENCED STANDARD
1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT.		X	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3
3. INSPECT ANCHORS CAST IN CONCRETE.		X	ACI 318: 17.8.2
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.		X	ACI 318: 17.8.2
5. VERIFY USE OF REQUIRED DESIGN MIX.		X	ACI 318: Ch. 19, 26.4.3, 26.4.4
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X		ASTM C172 ASTM C31 ACI 318: 26.5, 26.12
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		X	ACI 318: 26.5.3-26.5.5
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		X	ACI 318: 26.11.1, 2(b)

TABLE 1705.6 REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS		
VERIFICATION & INSPECTION	CONT.	PERIODIC
1. VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		X
2. VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		X
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED FILL MATERIALS.		X
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED FILL.	X	
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY.		X

- SHEET NOTES:**
1. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
 2. CONDITIONS NOT SPECIFICALLY DETAILERED SHALL BE IN GENERAL CONFORMANCE WITH CONSTRUCTION DETAILS OF A SIMILAR NATURE ELSEWHERE ON THE PROJECT.
 3. REFER TO CIVIL DRAWINGS FOR FINISHED GRADING & OTHER INFORMATION NOT SHOWN HERE.
 4. EXISTING GROUND ELEVATIONS & OTHER EXISTING ARE PER THE EXISTING CONDITIONS DRAWINGS.
 5. MINIMUM DESIGN LOADING FOR PRECAST CONCRETE 3-SIDED BRIDGE UNIT SHALL BE HS-20 WHEEL LOADS.
 6. UNDISTURBED SUBGRADE SHALL BE SUITABLE SUBGRADE AS APPROVED BY GEOTECHNICAL ENGINEER. ALSO SEE STATEMENT OF SPECIAL INSPECTIONS.
 7. STRUCTURAL FILL SHALL BE 8" MIN. THICKNESS $3/4$ "-0 CRUSHED ROCK COMPACTED TO 90% RELATIVE DENSITY, MODIFIED PROCTOR.
 8. RIPRAP SHALL BE CLASS 50 RIPRAP PER THE CURRENT VERSION OF ODOT STANDARD SPECIFICATIONS FOR CONSTRUCTION.
 9. SELECTED CLEAN FILL SHALL BE SOIL MATERIAL FROM EXCAVATIONS APPROVED FOR BACKFILL BY GEOTECHNICAL ENGINEER. SOIL CLASSIFICATION [GROUPS GW, GP, GM, SW, SP, AND SM ACCORDING TO ASTM D 2487] [GROUPS A-1, A-2-4, A-2-5, AND A-3 ACCORDING TO AASHTO M 145], OR A COMBINATION OF THESE GROUPS; FREE OF ROCK OR GRAVEL LARGER THAN 2 INCHES (75 MM) IN ANY DIMENSION, DEBRIS, WASTE, FROZEN MATERIALS, VEGETATION, AND OTHER DELETERIOUS MATTER. PROVIDE BORROW SOIL MATERIALS WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE FROM EXCAVATIONS.
 10. PRECAST CONCRETE 3-SIDED BRIDGE UNIT SHALL BE AS MANUFACTURED BY COLUMBIA PRECAST PRODUCTS OR APPROVED ALTERNATE.

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REVISIONS:

No.	DESCRIPTION	DATE

**CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT**

Sheet No. **S1**

DRAWN BY: _____ CHECKED BY: _____ DATE: 12/12/2024
JOB No. 23-001C

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