CLEVELAND STREET

CAPITAL IMPROVEMENT PROJECT

COTTAGE GROVE, OREGON

LEGEND

PROPOSED

- CONTOUR LINE
- EDGE OF TOP OF DITCH
- BOTTOM OF DITCH CENTERLINE
- CONCRETE (CONSTRUCTED DURING HOME CONSTRUCTION)
- GRAVEL
- CURB
- ASPHALT
- EDGE OF ASPHALT
- DETECTABLE WARNING SURFACE
- STREET LIGHT
- CONDUIT FOR STREET LIGHTS
- SD — STORMWATER LINE
- SD — STORMWATER MANHOLE
- DITCH INLET
- RIPRAP OUTFALL PAD
- WW — SANITARY LINE
- WWFM — SANITARY PRESSURE LINE
- WW — SANITARY MANHOLE
- CO — SANITARY/STORMWATER CLEANOUT
- W — WATER LINE
- E — ELECTRIC CONDUIT
- FIRE HYDRANT

EXISTING

- 355 — CONTOUR LINE
- CURB
- BOTTOM OF DITCH CENTERLINE
- EDGE OF TOP OF DITCH
- GRAVEL
- CONCRETE
- EDGE OF PAVEMENT
- FENCE
- STREET LIGHT
- (E)W — WATER LINE
- WATER VALVE
- WM — WATER METER
- (E)WW — SANITARY LINE
- WW — SANITARY MANHOLE
- (E)G — GAS LINE
- (E)SD — STORMWATER LINE
- SD — STORMWATER MANHOLE
- STORMWATER CURB INLET
- T — TELEPHONE RISER
- (E)OHW — OVERHEAD WIRES
- UTILITY POLE
- EXISTING BUILDING
- (E)T — COMMUNICATION LINE

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

DESIGN TEAM

OWNER/APPLICANT

CITY OF COTTAGE GROVE
CONTACT: FAYE STEWART, PUBLIC WORKS & DEVELOPMENT DIRECTOR
400 E. MAIN STREET
COTTAGE GROVE, OR 97424
PHONE: (541) 942–3340
EMAIL: pwdirector@cottagegrove.org

CIVIL ENGINEER

BRANCH ENGINEERING, INC.
CONTACT: DAMIEN GILBERT, PE
310 5TH STREET
SPRINGFIELD, OR 97477
PHONE: (541) 746–0637
EMAIL: damieng@branchengineering.com

SURVEYOR

BRANCH ENGINEERING, INC.
CONTACT: DAN NELSON, PLS
310 5TH STREET
SPRINGFIELD, OR 97477
PHONE: (541) 746–0637
EMAIL: dann@branchengineering.com

UTILITY REPRESENTATIVES

ELECTRICAL

PACIFIC POWER COTTAGE GROVE DISTRICT
CONTACT: ELKE VATH
P.O. BOX 248
ALBANY, OR 97322
PHONE: (541) 967–6160
EMAIL: elke.vath@pacificorp.com

EMERAD PEOPLE'S UTILITY DISTRICT
CONTACT: BARRY HUMPHRIES
33733 SEAVEY LOOP ROAD
ALBANY, OR 97405
PHONE: (541) 744–1583
EMAIL: operations@epud.org

WATER, SANITARY, STORM SEWER & CITY FIBER OPTICS

CITY OF COTTAGE GROVE
CONTACT: GREG GRISWELL, PUBLIC WORKS SUPERVISOR
400 E MAIN STREET
COTTAGE GROVE, OR 97424
PHONE: (541) 942–3024
EMAIL: utilities@cottagegrove.org

COMMUNICATION SERVICES

CENTURY LINK/LUMEN
CONTACT: TREVOR GILBERT
112 E. 10TH AVE.
EUGENE, OR 97401
PHONE: (541) 484–7827
EMAIL: trevor.w.gilbert@lumen.com

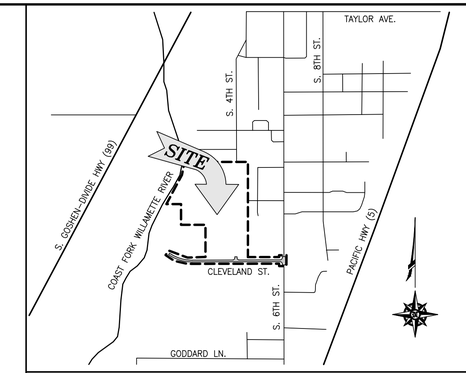
CHARTER COMMUNICATIONS
CONTACTS: MARK STANFIELD or SHANE QUIMBY
33733 SEAVEY LOOP ROAD
ALBANY, OR 97405
PHONE: MARK (541) 201–0097
SHANE (541) 228–7521
EMAILS: mark.stanfield@charter.org
shane.quimby@charter.org

FIRE

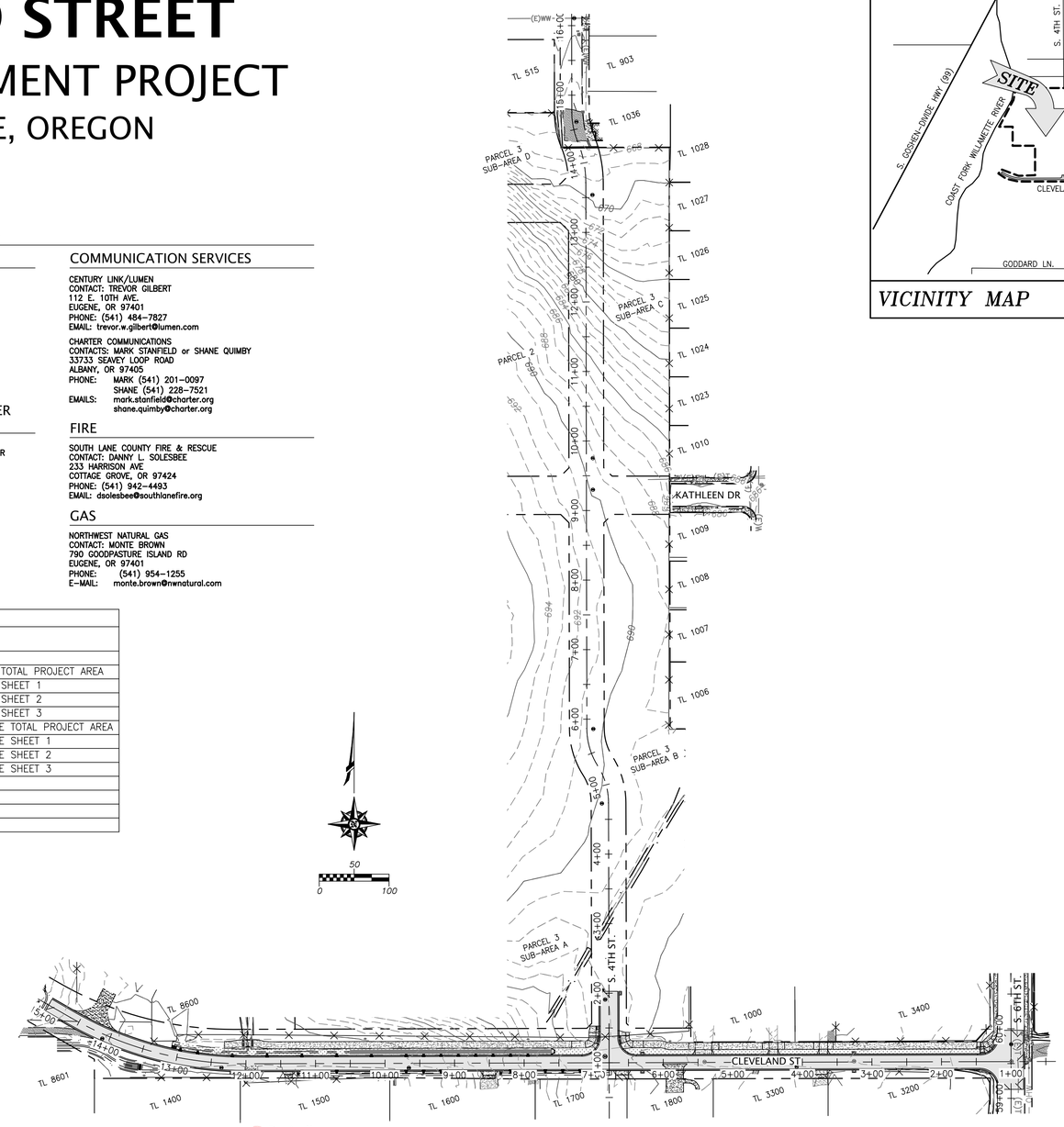
SOUTH LANE COUNTY FIRE & RESCUE
CONTACT: DANNY L. SOLESBEE
233 HARRISON AVE
COTTAGE GROVE, OR 97424
PHONE: (541) 942–4493
EMAIL: dsolesbee@southlanefire.org

GAS

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



VICINITY MAP — NOT TO SCALE



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Digitally signed by Damien Gilbert
Date: 2024.12.12 17:35:51 -08'00'

Branch ENGINEERING INC
Since 1977
civil • transportation
structural • geotechnical
SURVEYING
310 5th Street
Springfield, OR 97477
p: 541.746.0637
www.BranchEngineering.com

REGISTERED PROFESSIONAL ENGINEER #62780PE
DIGITALLY SIGNED
OREGON
JULY 13, 2006
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

Sheet No. C0.01

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

Z:\2023\23-001C Cottage Grove South Road & Bridge Feasibility\Civil\Production Drawings\Construction Sheets\23-001C_C_CO_CIP.dwg 12/12/2024 4:38 PM ANDREWS

GENERAL CONSTRUCTION NOTES

1. ALL MATERIALS AND WORKMANSHIP OF ITEMS TO BE MAINTAINED BY THE CITY OF COTTAGE GROVE WITHIN PUBLIC EASEMENTS OR STREET RIGHTS-OF-WAY SHALL MEET CURRENT CITY OF COTTAGE GROVE PUBLIC WORKS SPECIFICATIONS. ALL MATERIALS AND WORKMANSHIP OF IMPROVEMENTS THAT WILL BE PRIVATELY OWNED AND MAINTAINED WILL BE BOUND BY THE CURRENT REQUIREMENTS OF THE STATE OF OREGON AMENDMENTS TO THE UNIFORM PLUMBING CODE CURRENT EDITION, OR CITY OF COTTAGE GROVE BUILDING DIVISION REQUIREMENTS.

2. ALL WORK SHALL MEET THE FOLLOWING SPECIFICATIONS "2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE "2024 OREGON STANDARD DRAWINGS" AND THE SPECIALS SET FORTH IN THE PROJECT MANUAL FOR THIS PROJECT.

3. CONTRACTOR SHALL PROCURE, AND CONFORM TO ALL CONSTRUCTION PERMITS REQUIRED BY THE CITY OF COTTAGE GROVE.

4. ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS 800-332-2334 or 811).

5. CONTRACTOR TO NOTIFY CITY AND ALL UTILITY COMPANIES A MINIMUM OF 48 BUSINESS HOURS (2 BUSINESS DAYS) PRIOR TO START OF CONSTRUCTION, AND COMPLY WITH ALL OTHER NOTIFICATION REQUIREMENTS OF AGENCIES WITH JURISDICTION OVER THE WORK.

6. CONTRACTOR SHALL PROVIDE ALL BONDS AND INSURANCE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION. WHERE REQUIRED BY PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION, THE CONTRACTOR SHALL SUBMIT A SUITABLE MAINTENANCE BOND PRIOR TO FINAL PAYMENT.

7. ALL MATERIALS AND WORKMANSHIP FOR FACILITIES IN STREET RIGHTS-OF-WAY OR EASEMENTS SHALL CONFORM TO APPROVING AGENCIES' CONSTRUCTION SPECIFICATIONS WHEREIN EACH HAS JURISDICTION, INCLUDING BUT NOT LIMITED TO THE CITY, COUNTY, OREGON HEALTH DIVISION (OHD) AND THE OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ).

8. UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR, CONSTRUCTION OF ALL PUBLIC FACILITIES SHALL BE DONE BETWEEN 7:00 A.M. AND 6:00 P.M., MONDAY THROUGH SATURDAY.

9. THE CONTRACTOR SHALL PERFORM ALL WORK NECESSARY TO COMPLETE THE PROJECT IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DRAWINGS INCLUDING SUCH INCIDENTALS AS MAY BE NECESSARY TO MEET APPLICABLE AGENCY REQUIREMENTS AND PROVIDE A COMPLETED PROJECT.

10. ANY INSPECTION BY THE CITY OR OTHER AGENCIES SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE CONTRACT DOCUMENTS, APPLICABLE CODES, AND AGENCY REQUIREMENTS.

11. CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF APPROVED DRAWINGS ON THE CONSTRUCTION SITE AT ALL TIMES WHEREON HE WILL RECORD ALL APPROVED DEVIATIONS IN CONSTRUCTION FROM THE APPROVED DRAWINGS, AS WELL AS THE STATION LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES ENCOUNTERED. THESE FIELD RECORD DRAWINGS SHALL BE KEPT UP TO DATE AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION BY THE CITY OR DESIGN ENGINEER'S REPRESENTATIVE UPON REQUEST. FAILURE TO CONFORM TO THIS REQUIREMENT MAY RESULT IN DELAY IN PAYMENT AND/OR FINAL ACCEPTANCE OF THE PROJECT.

12. UPON COMPLETION OF CONSTRUCTION OF ALL NEW FACILITIES, CONTRACTOR SHALL SUBMIT A CLEAN SET OF FIELD RECORD DRAWINGS CONTAINING ALL AS-BUILT INFORMATION TO THE ENGINEER. ALL INFORMATION SHOWN ON THE CONTRACTOR'S FIELD RECORD DRAWINGS SHALL BE SUBJECT TO VERIFICATION. IF SIGNIFICANT ERRORS OR DEVIATIONS ARE NOTED, AN AS-BUILT SURVEY PREPARED AND STAMPED BY A REGISTERED PROFESSIONAL LAND SURVEYOR SHALL BE COMPLETED AT THE CONTRACTOR'S EXPENSE.

13. CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES AS NEEDED DURING CONSTRUCTION WITH A MINIMUM EROSION CONTROL OF INLET PROTECTION. THE CONTRACTOR SHALL CONSULT WITH THE CITY FOR ADDITIONAL EROSION CONTROL MEASURES IN EXTREMELY WET WEATHER CONDITIONS.

14. THE CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A REGISTERED CIVIL ENGINEER AND/OR LAND SURVEYOR LICENSED IN THE STATE OF OREGON TO ESTABLISH CONSTRUCTION CONTROL AND PERFORM INITIAL CONSTRUCTION SURVEYS TO ESTABLISH THE LINES AND GRADES OF IMPROVEMENTS AS INDICATED ON THE DRAWINGS. STAKING FOR BUILDINGS, STRUCTURES, CURBS, GRAVITY DRAINAGE PIPES/STRUCTURES AND OTHER CRITICAL IMPROVEMENTS SHALL BE COMPLETED USING EQUIPMENT ACCURATE TO 0.04 FEET HORIZONTALLY AND 0.02 FEET VERTICALLY, OR BETTER. USE OF GPS EQUIPMENT FOR CONSTRUCTION STAKING OF THESE IMPROVEMENTS IS PROHIBITED. THE REGISTERED PROFESSIONAL SURVEYOR SHALL PROVIDE THE DESIGN ENGINEER WITH COPIES OF ALL GRADE SHEETS FOR CONSTRUCTION STAKING PERFORMED FOR THE PROJECT.

15. CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, TRAFFIC CONES PER CITY OF COTTAGE GROVE REQUIREMENTS IN ACCORDANCE WITH THE MUTCD (INCLUDING OREGON AMENDMENTS). ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. ALL TRAFFIC CONTROL MEASURES SHALL BE APPROVED AND IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY. PRIOR TO ANY WORK IN THE EXISTING PUBLIC RIGHT-OF-WAY, CONTRACTOR SHALL SUBMIT FINAL TRAFFIC CONTROL PLAN TO THE CITY FOR REVIEW AND ISSUANCE OF A LANE CLOSURE OR WORK IN RIGHT-OF-WAY PERMIT.

16. THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL REQUIRED OR NECESSARY INSPECTIONS ARE COMPLETED BY AUTHORIZED INSPECTORS PRIOR TO PROCEEDING WITH SUBSEQUENT WORK WHICH COVERS OR THAT IS DEPENDENT ON THE WORK TO BE INSPECTED. FAILURE TO OBTAIN NECESSARY INSPECTION(S) AND APPROVAL(S) SHALL RESULT IN THE CONTRACTOR BEING FULLY RESPONSIBLE FOR ALL PROBLEMS ARISING FROM UNINSPECTED WORK.

17. UNLESS OTHERWISE SPECIFIED, THE ATTACHED "REQUIRED TESTING AND FREQUENCY" TABLE OUTLINES THE MINIMUM TESTING SCHEDULE FOR THE PROJECT. THIS TESTING SCHEDULE IS NOT COMPLETE, AND DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF OBTAINING ALL NECESSARY INSPECTIONS OR OBSERVATIONS FOR ALL WORK PERFORMED, REGARDLESS OF WHO IS RESPONSIBLE FOR PAYMENT. COST FOR RETESTING SHALL BE BORNE BY THE CONTRACTOR.

18. THE LOCATION AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE COMPILED FROM AVAILABLE RECORDS AND/OR FIELD SURVEYS. THE ENGINEER OR UTILITY COMPANIES DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF SUCH RECORDS. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND SIZES OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.

19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MARKING ALL EXISTING SURVEY MONUMENTS OF RECORD (INCLUDING BUT NOT LIMITED TO PROPERTY AND STREET MONUMENTS) PRIOR TO CONSTRUCTION. IF ANY SURVEY MONUMENTS ARE REMOVED, DISTURBED OR DESTROYED DURING CONSTRUCTION OF THE PROJECT, THE CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A REGISTERED PROFESSIONAL SURVEYOR LICENSED IN THE STATE OF OREGON TO REFERENCE AND REPLACE ALL SUCH MONUMENTS PRIOR TO FINAL PAYMENT. THE MONUMENTS SHALL BE REPLACED WITHIN A MAXIMUM OF 90 DAYS, AND THE COUNTY SURVEYOR SHALL BE NOTIFIED IN WRITING AS REQUIRED BY PER ORS 209.150.

20. CONTRACTOR SHALL FIELD VERIFY LOCATION AND DEPTH OF ALL EXISTING UTILITIES WHERE NEW FACILITIES CROSS. ALL UTILITY CROSSINGS MARKED OR SHOWN ON THE DRAWINGS SHALL BE POTHOLED USING HAND TOOLS OR OTHER NON BORING METHODS. PRIOR TO EXCAVATING, CONTRACTOR SHALL BE RESPONSIBLE FOR EXPOSING POTENTIAL UTILITY CONFLICTS FAR ENOUGH AHEAD OF CONSTRUCTION TO MAKE NECESSARY GRADE OR ALIGNMENT MODIFICATIONS WITHOUT DELAYING THE WORK. IF GRADE OR ALIGNMENT MODIFICATION IS NECESSARY, CONTRACTOR SHALL NOTIFY THE DESIGN ENGINEER, AND THE DESIGN ENGINEER OR THE OWNER'S REPRESENTATIVE SHALL OBTAIN APPROVAL FROM THE CITY PRIOR TO CONSTRUCTION.

21. ALL FACILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR TO LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER-THAN-ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY AND THE DESIGN ENGINEER.

22. UTILITIES OR INTERFERING PORTIONS OF UTILITIES THAT ARE ABANDONED IN PLACE SHALL BE REMOVED BY THE CONTRACTOR TO THE EXTENT NECESSARY TO ACCOMPLISH THE WORK. THE CONTRACTOR SHALL PLUG THE REMAINING EXPOSED ENDS OF ABANDONED UTILITIES.

23. CONTRACTOR SHALL REMOVE ALL EXISTING SIGNS, MAILBOXES, FENCES, LANDSCAPING, ETC., AS REQUIRED TO AVOID DAMAGE DURING CONSTRUCTION AND REPLACE THEM TO EXISTING OR BETTER CONDITION.

24. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING CONSTRUCTION ACTIVITIES TO ENSURE THAT PUBLIC STREETS AND RIGHT-OF-WAYS ARE KEPT CLEAN OF MUD, AND DUST OR DEBRIS. DUST ABATEMENT SHALL BE MAINTAINED BY ADEQUATE WATERING OF THE SITE BY THE CONTRACTOR.

25. FINISH PAVEMENT GRADES AT TRANSITION TO EXISTING PAVEMENT SHALL MATCH EXISTING PAVEMENT GRADES OR BE FEATHERED PAST JOINTS WITH PAVEMENT AS REQUIRED TO PROVIDE A SMOOTH, FREE DRAINING SURFACE.

26. ALL EXISTING OR CONSTRUCTED MANHOLES, CLEANOUTS, MONUMENT BOXES, GAS VALVES, WATER VALVES AND SIMILAR STRUCTURES SHALL BE ADJUSTED TO MATCH FINISH GRADE OF THE PAVEMENT, SIDEWALK, LANDSCAPED AREA OR MEDIAN STRIP WHEREIN THEY LIE. VERIFY THAT ALL VALVE BOXES AND RISERS ARE CLEAN AND CENTERED OVER THE OPERATING NUT.

27. CONTRACTOR SHALL SEED AND MULCH (UNIFORMLY BY HAND OR HYDROSEED) EXPOSED SLOPES AND DISTURBED AREAS WHICH ARE NOT SCHEDULED TO BE LANDSCAPED, INCLUDING TRENCH RESTORATION AREAS. IF THE CONTRACTOR FAILS TO APPLY SEED AND MULCH IN A TIMELY MANNER DURING PERIODS FAVORABLE FOR GERMINATION, OR IF THE SEEDED AREAS FAIL TO GERMINATE, THE OWNER REPRESENTATIVE MAY (AT HIS DISCRETION) REQUIRE THE CONTRACTOR TO INSTALL SOD TO COVER SUCH DISTURBED AREAS.

28. ALL TAPPING OF EXISTING MUNICIPAL SANITARY SEWER, STORM DRAIN MAINS, AND MANHOLES MUST BE DONE BY CONTRACTOR.

29. THE CONTRACTOR SHALL HAVE APPROPRIATE EQUIPMENT ON SITE TO PRODUCE A FIRM, SMOOTH, UNDISTURBED SUBGRADE AT THE TRENCH BOTTOM, TRUE TO GRADE. THE BOTTOM OF THE TRENCH EXCAVATION SHALL BE SMOOTH, FREE OF LOOSE MATERIALS OR TOOTH GROOVES FOR THE ENTIRE WIDTH OF THE TRENCH PRIOR TO PLACING THE GRANULAR BEDDING MATERIAL.

30. ALL PIPES SHALL BE BEDDED WITH MINIMUM 6-INCHES OF 3/4"-0 CRUSHED ROCK BEDDING AND BACKFILLED WITH COMPACTED 3/4"-0 CRUSHED ROCK IN THE PIPE ZONE (CRUSHED ROCK SHALL EXTEND A MINIMUM OF 12-INCHES OVER THE TOP OF THE PIPE IN ALL CASES). CRUSHED ROCK OR CDF TRENCH BACKFILL SHALL BE USED UNDER ALL IMPROVED AREAS, INCLUDING PAVEMENT, SIDEWALKS, FOUNDATION SLABS, BUILDINGS, ETC. IN ACCORDANCE WITH THE PLANS & SPECIFICATIONS. GRANULAR TRENCH BACKFILL SHALL BE COMPACTED TO 95% IN ROADWAYS AND 92% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR) OUTSIDE OF ROADWAYS.

31. GRANULAR TRENCH BEDDING AND BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF OSSC (ODOT/APWA) 02630.10 (DENSE GRADED BASE AGGREGATE), 3/4"-0. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, COMPACT GRANULAR BACKFILL TO 95% IN ROADWAYS AND 92% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR) OUTSIDE OF ROADWAYS.

32. ALL PIPED UTILITIES ABANDONED IN PLACE SHALL HAVE ALL OPENINGS CLOSED WITH CONCRETE PLUGS WITH A MINIMUM LENGTH EQUAL TO 2 TIMES THE DIAMETER OF THE ABANDONED PIPE.

33. THE END OF ALL UTILITY SERVICE LINES SHALL BE MARKED WITH A 2-X-4 PAINTED WHITE AND WIRED TO PIPE STUB. THE PIPE DEPTH SHALL BE WRITTEN ON THE POST IN 2" BLOCK LETTERS.

34. ALL NON-METALLIC WATER, SANITARY AND STORM SEWER PIPING SHALL HAVE AN ELECTRICALLY CONDUCTIVE INSULATED 12 GAUGE, SOLID STRAND COPPER TRACER WIRE THE FULL LENGTH OF THE INSTALLED PIPE USING BLUE WIRE FOR WATER AND GREEN WIRE FOR STORM AND SANITARY PIPING. TRACER WIRE SHALL BE EXTENDED UP INTO ALL VALVE BOXES, CATCH BASINS, MANHOLES AND LATERAL CLEANOUT BOXES. TRACER WIRE PENETRATIONS INTO MANHOLES SHALL BE WITHIN 18 INCHES OF THE RIM ELEVATION AND ADJACENT TO MANHOLE STEPS. THE TRACER WIRE SHALL BE TIED TO THE TOP MANHOLE STEP OR OTHERWISE SUPPORTED TO ALLOW RETRIEVAL FROM THE OUTSIDE OF THE MANHOLE.

35. NO TRENCHES IN SIDEWALKS, ROADS, OR DRIVEWAYS SHALL BE LEFT IN AN OPEN CONDITION OVERNIGHT. ALL SUCH TRENCHES SHALL BE CLOSED BEFORE THE END OF EACH WORKDAY AND NORMAL TRAFFIC AND PEDESTRIAN FLOWS RESTORED.

36. CITY PUBLIC WORKS DEPARTMENT TO OPERATE ALL VALVES, INCLUDING FIRE HYDRANTS, ON EXISTING PUBLIC MAINS.

37. ALL SANITARY SEWER MAINS SHALL BE D3034 SDR35 PVC. ALL FITTINGS 4-INCHES THROUGH 24-INCHES IN DIAMETER SHALL BE PER MANUFACTURERS RECOMMENDATIONS IN CONFORMANCE WITH ODOT STANDARD SPECIFICATIONS SECTION 00445.43.

38. THRUST RESTRAINT SHALL BE PROVIDED ON ALL BENDS, TEES AND OTHER DIRECTION CHANGES PER LOCAL JURISDICTION REQUIREMENTS AND AS SPECIFIED OR SHOWN ON THE DRAWINGS. UNLESS OTHERWISE SHOWN OR APPROVED BY THE ENGINEER.

39. CONTRACTOR SHALL REIMBURSE CITY FOR COSTS REQUIRED TO FLUSH, TEST AND DISINFECT WATERLINES PER PUBLIC AGENCY REQUIREMENTS.

40. WHERE THE WATER LINE CROSSES OVER THE SEWER LINE BUT WITH A CLEARANCE OF LESS THAN 18-INCHES VERTICAL SEPARATION, IF THE WATER SUPPLIER DETERMINES THAT THE CONDITIONS ARE NOT FAVORABLE, THE SEWER LINE SHALL BE REPLACED WITH A FULL LENGTH OF PIPE CENTERED AT THE CROSSING POINT, OF PVC PRESSURE PIPE, HIGH DENSITY PE PIPE, DUCTILE-IRON CLASS 50, OR OTHER ACCEPTABLE PIPE; OR THE SEWER SHALL BE ENCASED IN A REINFORCED CONCRETE JACKET FOR A DISTANCE OF 10 FEET ON BOTH SIDES OF THE CROSSING IN ACCORDANCE WITH OAR 333-061-0050 AND LOCAL JURISDICTION REQUIREMENTS.

41. CONTRACTOR TO PROVIDE TESTING OF SANITARY SEWER PIPE AND APPURTENANCES FOR LEAKAGE IN ACCORDANCE WITH TESTING SCHEDULE HEREIN OR THE CITY'S CONSTRUCTION STANDARDS, WHICHEVER ARE MORE STRINGENT. SANITARY SEWER PIPE AND APPURTENANCES SHALL BE TESTED FOR LEAKAGE.

42. CONTRACTOR SHALL NOTIFY AND COORDINATE WITH FRANCHISE UTILITIES FOR REMOVAL OR RELOCATION OF POWER POLES, VAULTS, PEDESTALS, MANHOLES, ETC. TO AVOID CONFLICT WITH CITY UTILITY STRUCTURES, FIRE HYDRANTS, METERS, SEWER OR STORM LATERALS, ETC.

43. ANY ABRUPT EDGE GREATER THAN 2 INCHES IN DEPTH, CLOSER THAN 4 FEET FROM AN ACTIVE TRAFFIC LANE, AND HAVING A DURATION OF EXPOSURE LONGER THAN 72 HOURS SHALL BE REQUIRED TO FOLLOW THE "TYPICAL ABRUPT EDGE SIGNING DETAIL" ON ODOT STANDARD DRAWING TM800 ON SHEET C3.1.

44. WHEN CONSTRUCTION ACTIVITIES BLOCK OR INTERFERE WITH THE NORMAL PEDESTRIAN ROUTING, PROVIDE SAFE PASSAGE FOR PEDESTRIANS THOUGH THE CONSTRUCTION AREA UTILIZING ODOT STANDARD DRAWING TM840 ON SHEET C3.1 AND THE REQUIREMENTS OF THE CURRENT EDITION OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION (BLUE BOOK). REFER TO SUBSECTION 00220.02.

REQUIRED TESTING AND FREQUENCY TABLE		PARTY RESPONSIBLE FOR PAYMENT	
		CONTRACTOR	
STREETS, PARKING LOTS, PADS, FILLS, ETC			
ASPHALT	1 TEST/6,000 S.F./LIFT (4 MIN.)	X	SEE NOTE 2
PIPED UTILITIES, ALL			
TRENCH BACKFILL	1 TEST/200 FOOT TRENCH/LIFT (4 MIN.)	X	SEE NOTE 2
TRENCH AC RESTORATION	1 TEST/300 FOOT OF TRENCH (4 MIN.)	X	SEE NOTE 2
STORM SEWER (GRAVITY)			
PIPE	-AIR OR HYDROSTATIC PER ODOT REQUIREMENTS. -DEFLECTION TESTING PER ODOT REQUIREMENTS. -VIDEO INSPECTION PER ODOT REQUIREMENTS.	X	SEE NOTE 2
MANHOLES	VACUUM TESTING PER ODOT REQUIREMENTS	X	SEE NOTE 2
CONCRETE			
SLUMP, AIR & CYLINDERS FOR ALL STRUCTURES CURBS, SIDEWALKS AND PCC PAVEMENTS. UNLESS OTHERWISE SPECIFIED, ONE SET OF CYLINDERS PER 100 CUBIC YARDS (OR PORTION THEREOF) OF CONCRETE POURED PER DAY. SLUMP & AIR TESTS REQUIRED ON SAME LOAD AS CYLINDERS.		X	SEE NOTE 2

NOTE 1: "OTHERS" REFERS TO CITY'S AUTHORIZED REPRESENTATIVE OF APPROVING AGENCY AS APPLICABLE. CONTRACTOR RESPONSIBLE FOR SCHEDULING TESTING. ALL TESTING MUST BE COMPLETED PRIOR TO PERFORMING SUBSEQUENT WORK.

NOTE 2: TESTING MUST BE PERFORMED BY AN APPROVED INDEPENDENT TESTING LABORATORY OR CITY.

NOTE 3: IN ADDITION TO IN-PLACE DENSITY TESTING, THE SUBGRADE AND BASE ROCK SHALL BE PROOF ROLLED WITH A LOADED 10 YARD DUMP TRUCK PROVIDED BY THE CONTRACTOR. BASEROCK PROOFROLL SHALL TAKE PLACE IMMEDIATELY PRIOR TO (WITHIN 24 HOURS OF) PAVING, AND SHALL BE WITNESSED BY THE CITY'S AUTHORIZED REPRESENTATIVE OR APPROVING AGENCY. LOCATION AND PATTERN OF PROOFROLL TO BE DIRECTED BY SAID CITY'S REPRESENTATIVE OR APPROVING AGENCY.

NOTE 4: TO BE WITNESSED BY THE CITY'S REPRESENTATIVE OR APPROVING AGENCY. THE CONTRACTOR SHALL PERFORM PRE-TESTS PRIOR TO SCHEDULING WATERLINE OR SANITARY SEWER PRESSURE TESTS, OR PIPELINE MANDREL TEST.

NOTE 5: TO BE PERFORMED BY CITY OF COTTAGE GROVE. NOTIFY CITY OF COTTAGE GROVE PUBLIC WORKS FIVE (5) BUSINESS DAYS PRIOR TO REQUIRED TESTING.

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DAMIEN GILBERT
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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

GENERAL CONSTRUCTION NOTES

Sheet No. C0.02

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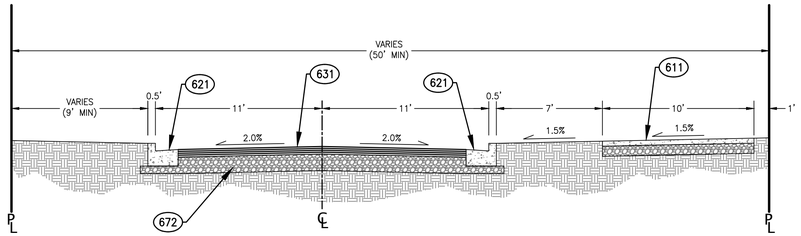
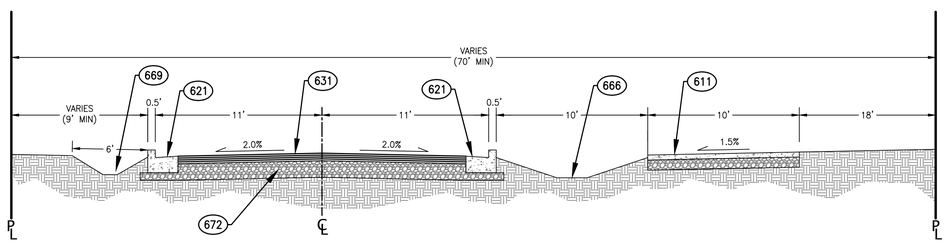
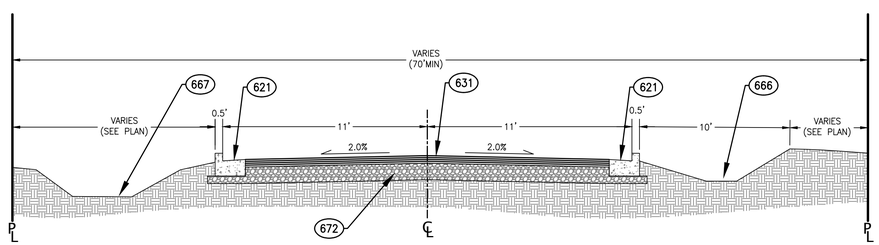


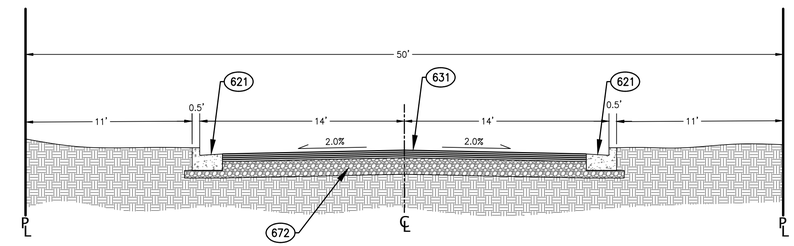
CROSS SECTION 1. CLEVELAND STREET – TYPICAL ROAD CROSS-SECTION STA:1+44.16 – 5+60.28



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



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

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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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

STREET SECTION VIEWS

Sheet No. C0.03

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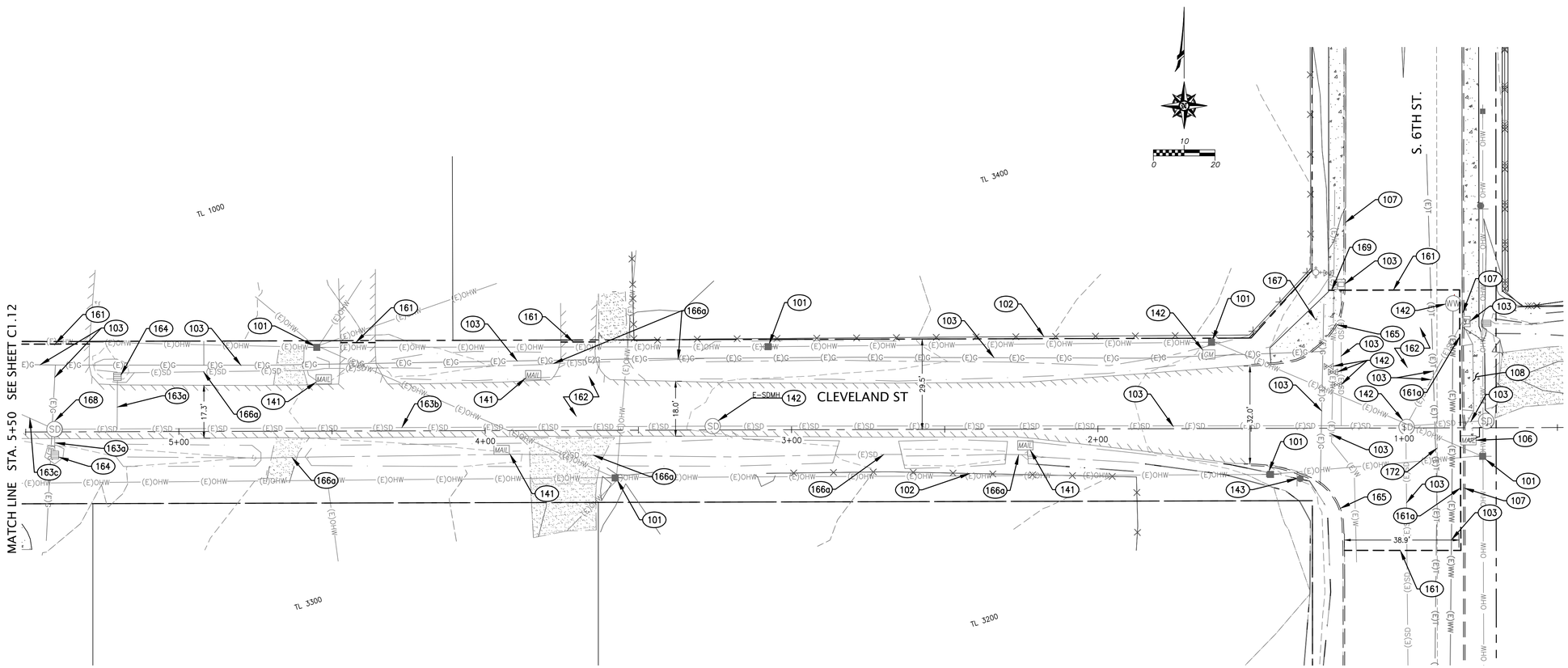

CONSTRUCTION NOTES:

- 101 PROTECT EXISTING UTILITY POLE.
- 102 PROTECT EXISTING FENCE.
- 103 PROTECT EXISTING UTILITY.
- 106 PROTECT EXISTING MAILBOX.
- 107 PROTECT EXISTING CURB AND GUTTER.
- 108 PROTECT EXISTING DRIVEWAY.
- 141 EXISTING MAILBOX TO BE RELOCATED.
- 142 ADJUST EXISTING UTILITY RIM TO MATCH FINISHED GRADE PER PROPOSED STREET IMPROVEMENTS PLANS ON SHEETS C2.11.
- 143 EXISTING STOP SIGN TO BE RELOCATED.
- 161 SAWCUT EXISTING AC PAVEMENT. PROTECT SAWCUT EDGE FROM DAMAGE.
- 161a SAWCUT ALONG EDGE OF GUTTER PAN. PROTECT GUTTER FROM DAMAGE.
- 162 REMOVE EXISTING AC PAVEMENT. REMOVE EXISTING BASE ROCK AND SUBGRADE AS REQUIRED FOR NEW PAVEMENT SECTION FINISHED GRADE.
- 163a REMOVE EXISTING 12" STORMWATER PIPE.
- 163b REMOVE EXISTING 24" STORMWATER PIPE.
- 163c REMOVE EXISTING 30" STORMWATER PIPE.
- 164 REMOVE DITCH INLET.
- 165 REMOVE CURB AND GUTTER.
- 166a REMOVE EXISTING CULVERT PIPE.
- 167 REMOVE EXISTING CONCRETE.
- 168 REMOVE EXISTING MANHOLE.
- 169 SAWCUT EXISTING CONCRETE.
- 170 REMOVE EXISTING FENCE.
- 172 POTHOLE TO DETERMINE LOCATION OF EXISTING FIBER OPTIC LINE.

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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

EXISTING CONDITIONS AND DEMO. PLAN
CLEVELAND ST. STA. 0+50 TO 5+50
AND 6TH ST.

Sheet No. C1.11

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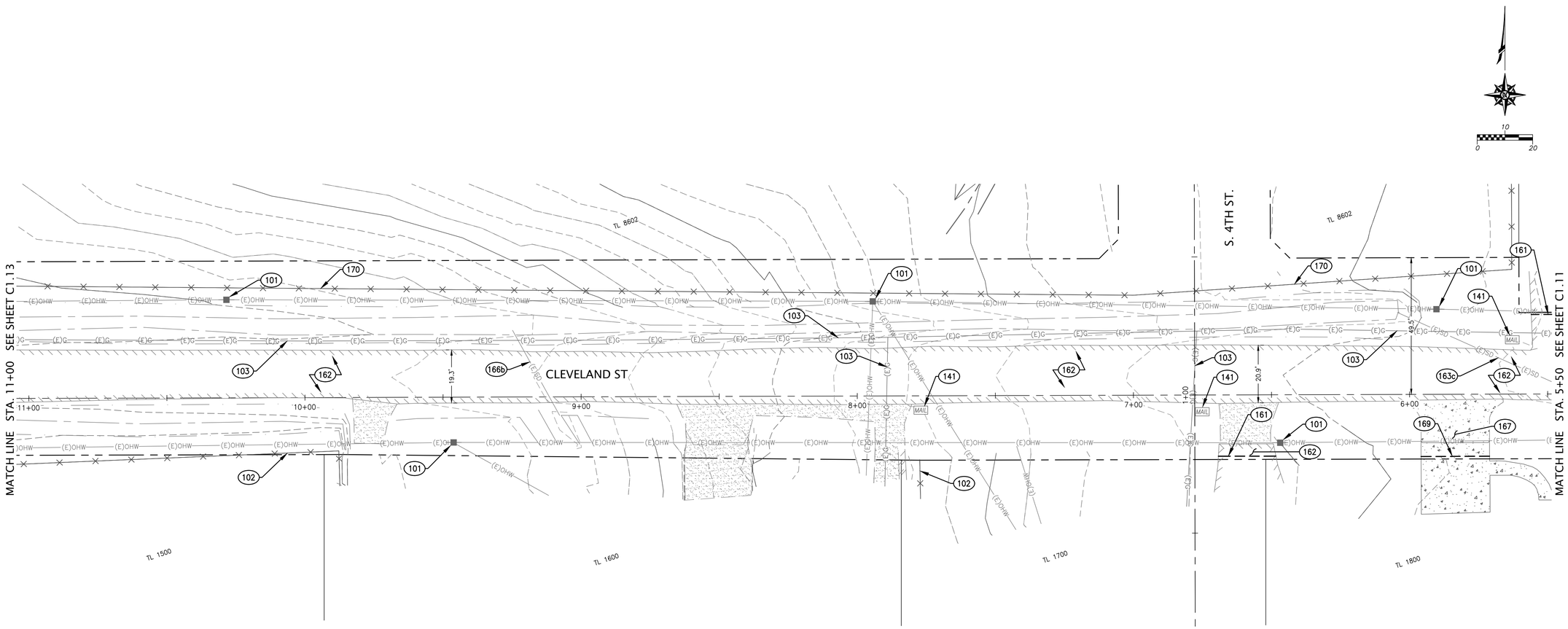
CONSTRUCTION NOTES:

- 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.



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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

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

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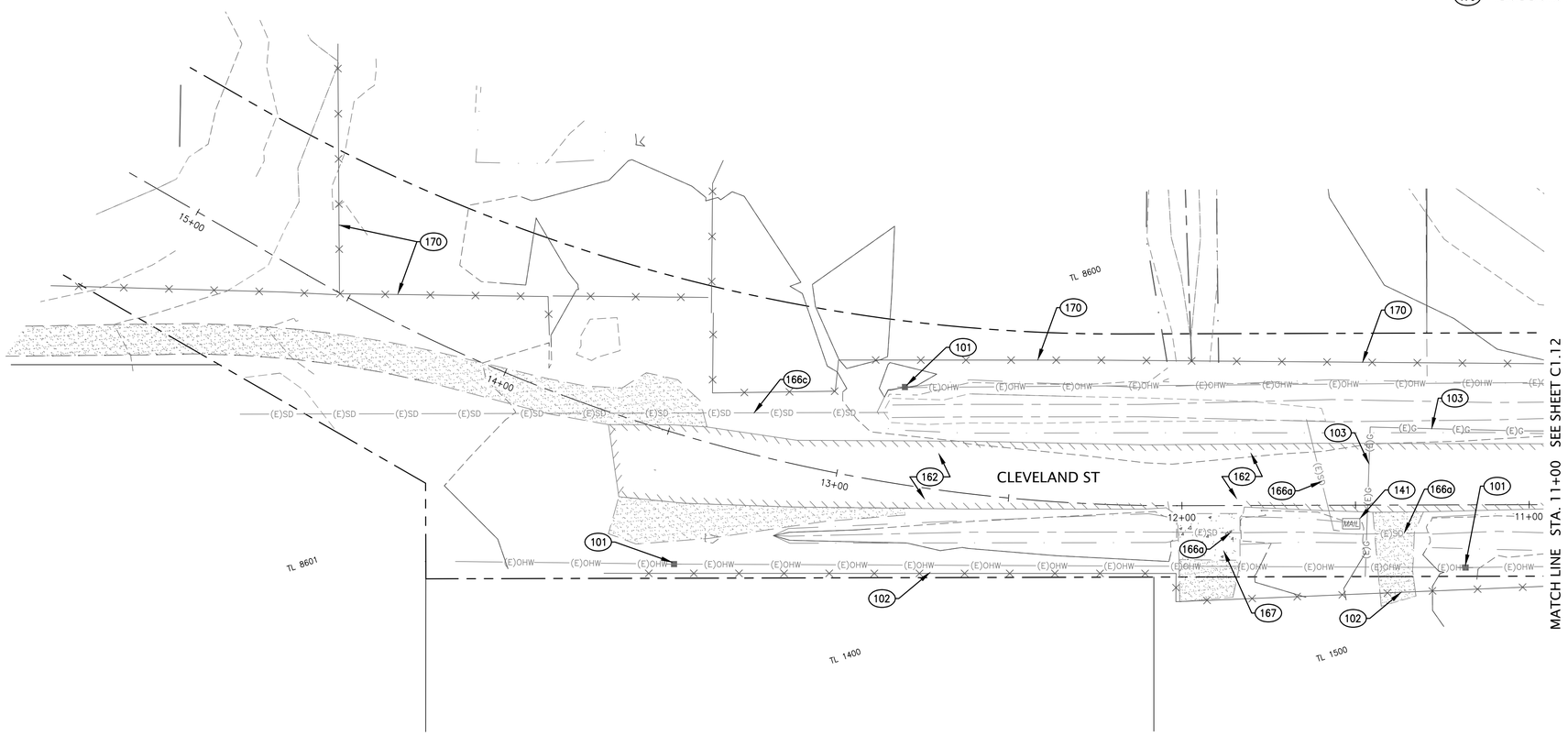
CONSTRUCTION NOTES:

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

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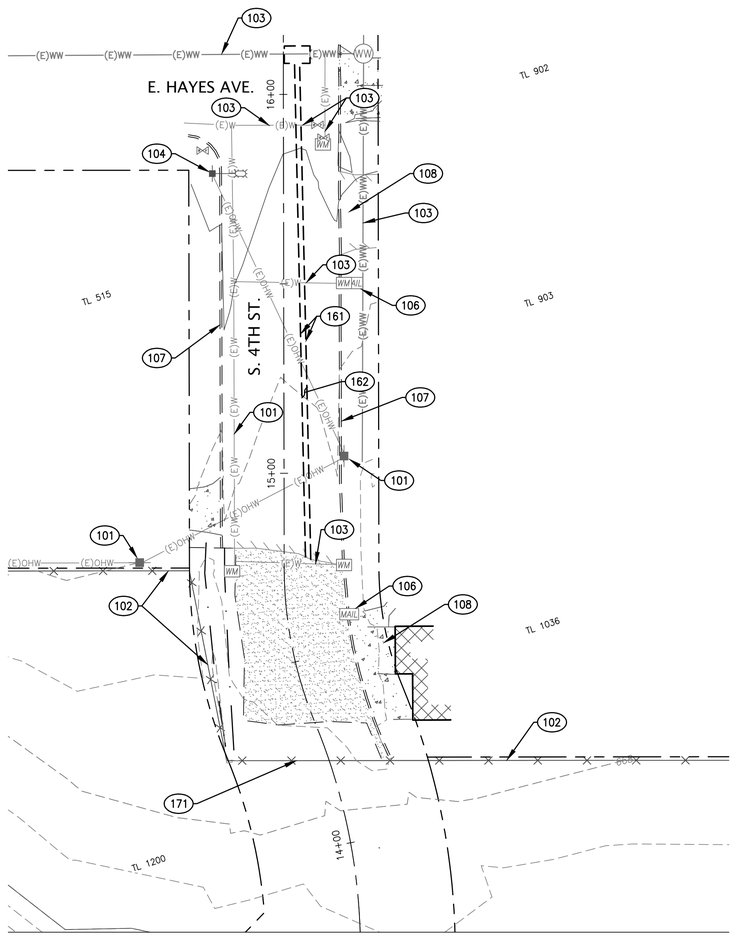
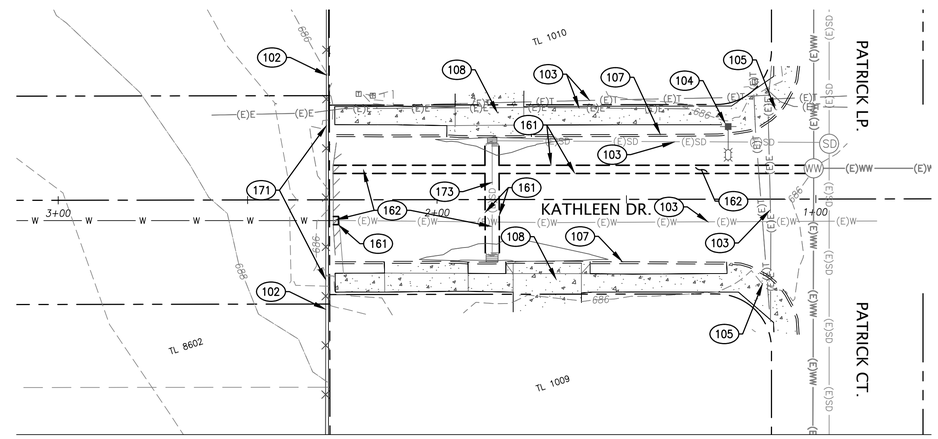


S 4TH ST.. STA 14+00 TO 16+00



KATHLEEN DR. STA 0+75 TO 3+25

CONSTRUCTION NOTES:

101	PROTECT EXISTING UTILITY POLE.
102	PROTECT EXISTING FENCE.
103	PROTECT EXISTING UTILITY.
104	PROTECT EXISTING STREET LIGHT.
105	PROTECT EXISTING ADA RAMP.
106	PROTECT EXISTING MAILBOX.
107	PROTECT EXISTING CURB AND GUTTER.
108	PROTECT EXISTING DRIVEWAY.
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.
171	REMOVE EXISTING FENCE AND REPLACE AFTER CONSTRUCTION IS FINISHED.
172	POTHOLE TO DETERMINE LOCATION OF EXISTING FIBER OPTIC LINE.
173	POTHOLE AND REPLACE STORMWATER LINE PER ENGINEER'S RECOMMENDATION

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CAPITAL IMPROVEMENT PROJECT

EXISTING CONDITIONS AND DEMO. PLAN
S 4th ST. STA. 14+00 TO 16+50 AND
KATHLEEN DR. STA 0+75 to 3+25

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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 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

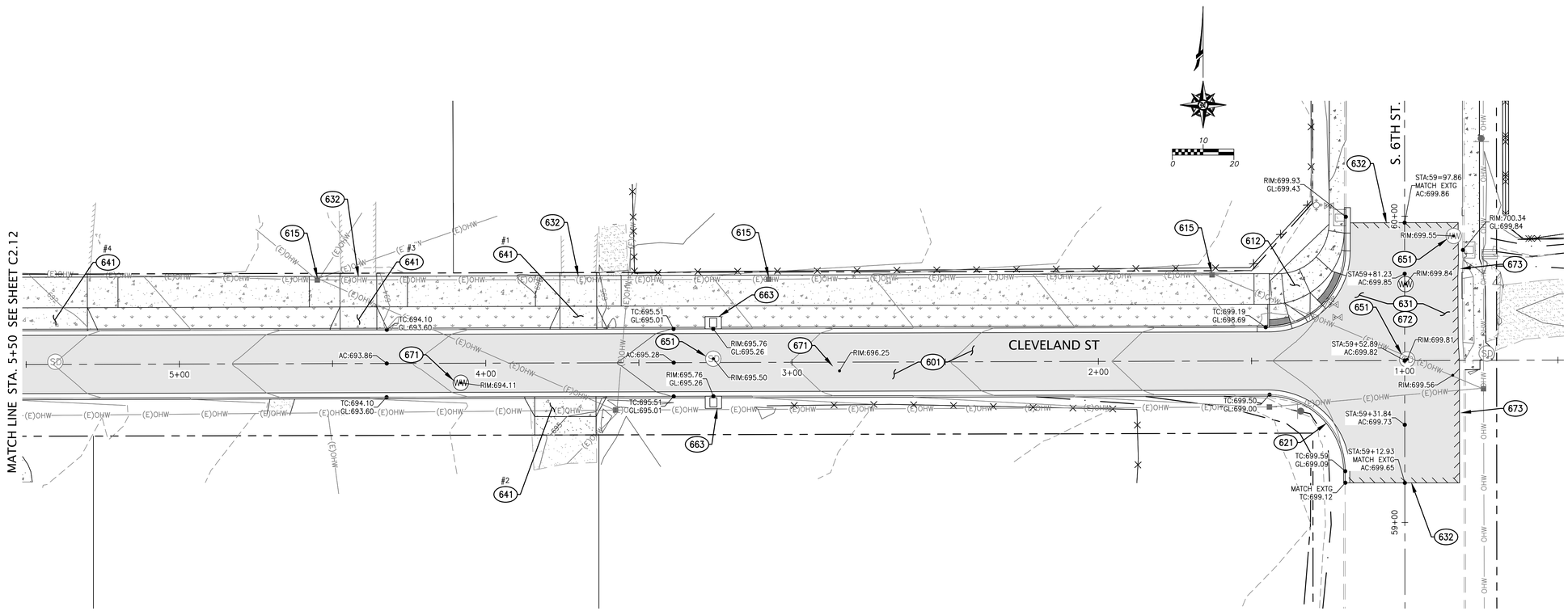
651 EXISTING STORM, WASTEWATER OR TELECOM MANHOLE LID TO BE ADJUSTED TO PROPOSED FINISHED GRADE.

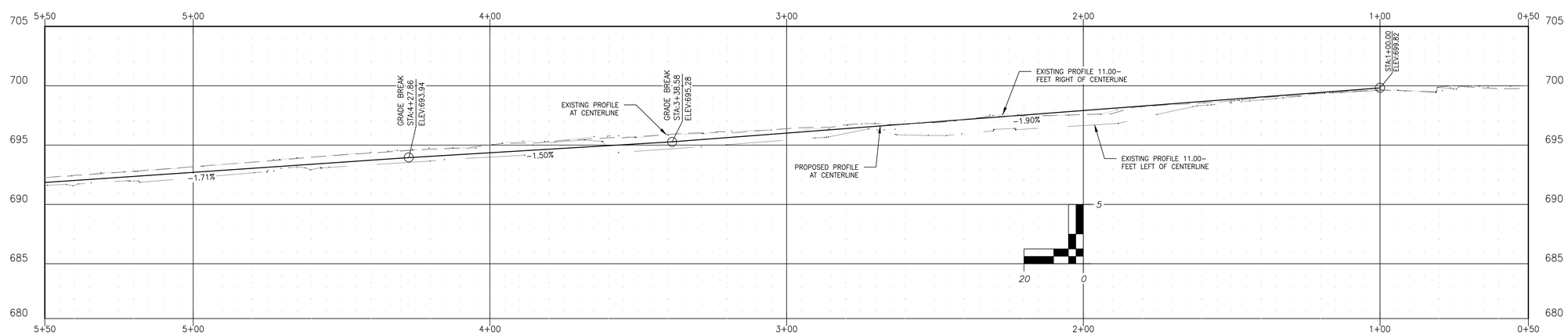
663 INSTALL CURB INLET PER STORMWATR SEWER PLAN

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 EXISITING 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

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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

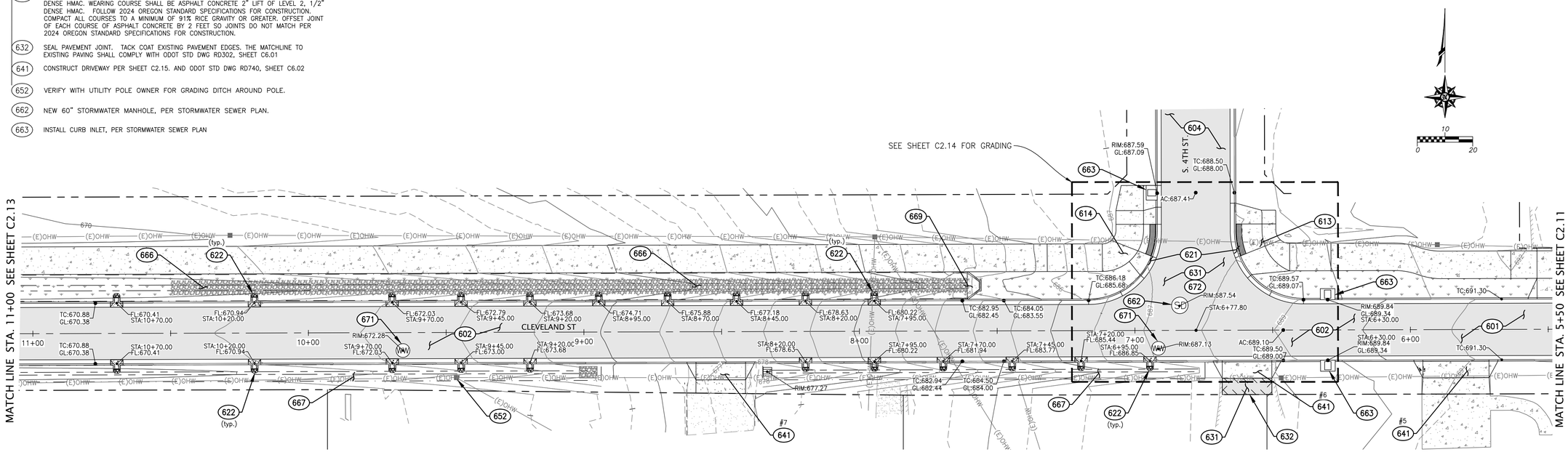
666 FOR ABOVE GROUND STORMWATER FACILITIES SEE STORMWATER DETAILS, SHEET C3.92

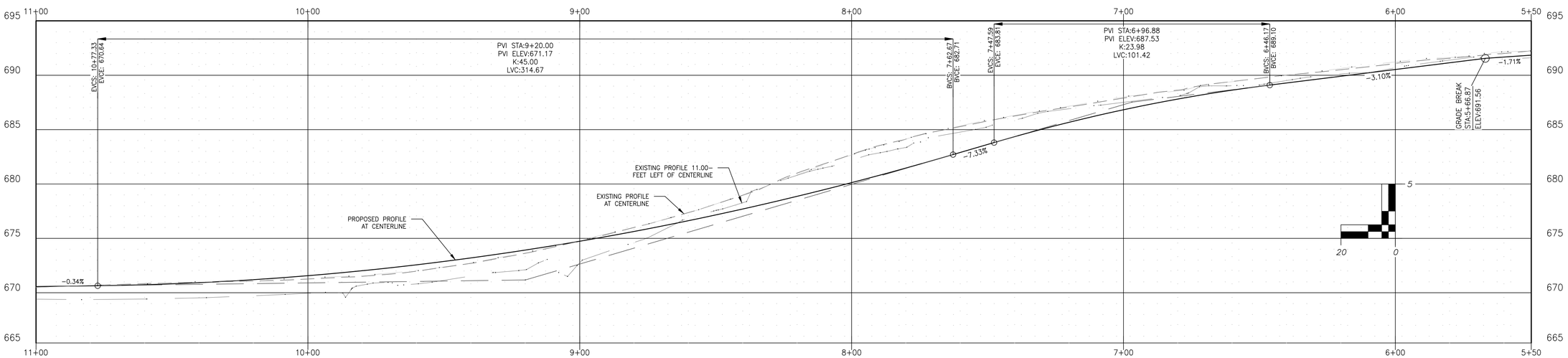
667 INSTALL 6-FOOT WIDE DITCH WITH 3:1 SIDE SLOPES WITH A 2-FOOT WIDE BOTTOM ALONG ROAD IMPROVEMENTS, PER PLAN.

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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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

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

Sheet No. C2.12

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

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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.

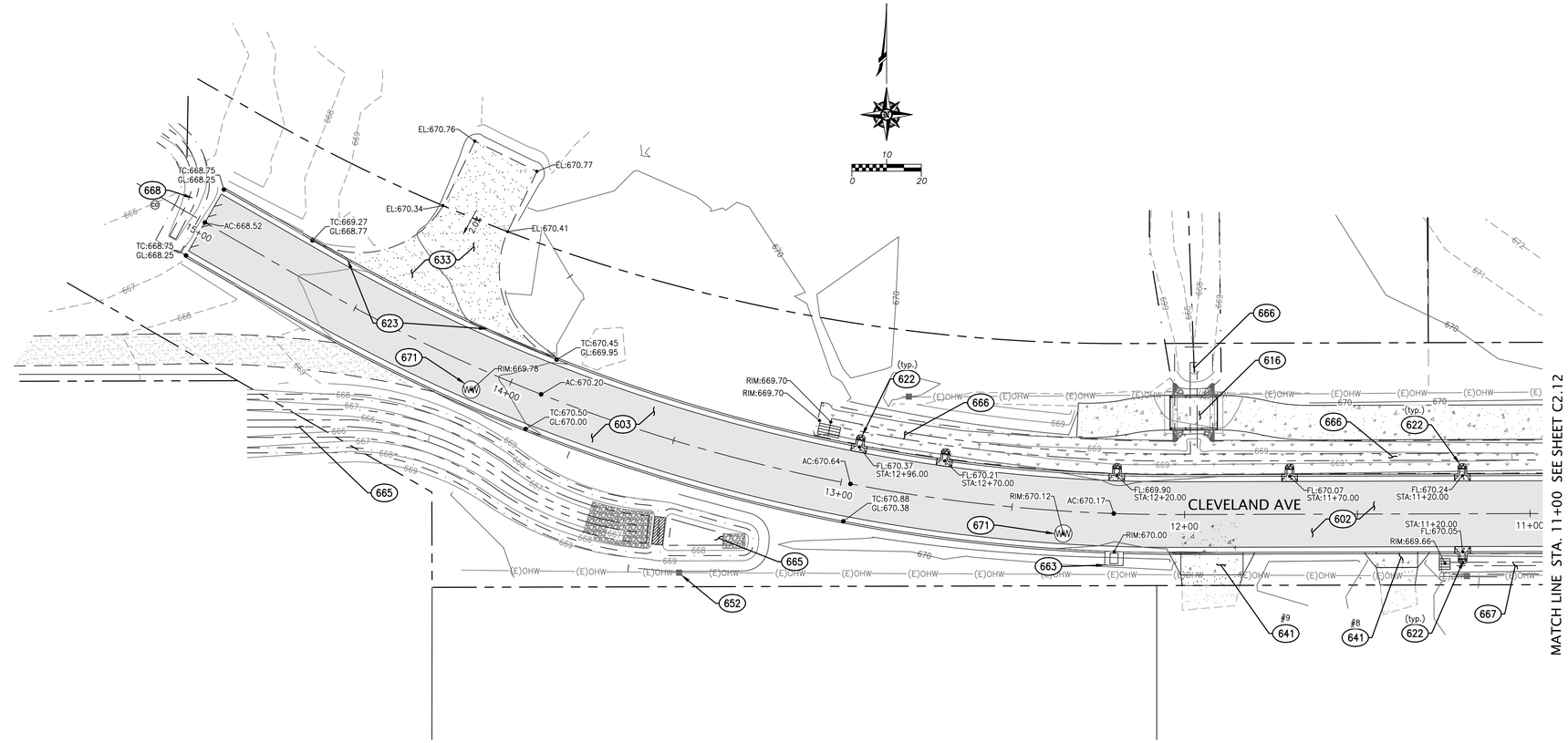
663 INSTALL CURB INLET PER STORMWATER SEWER PLAN

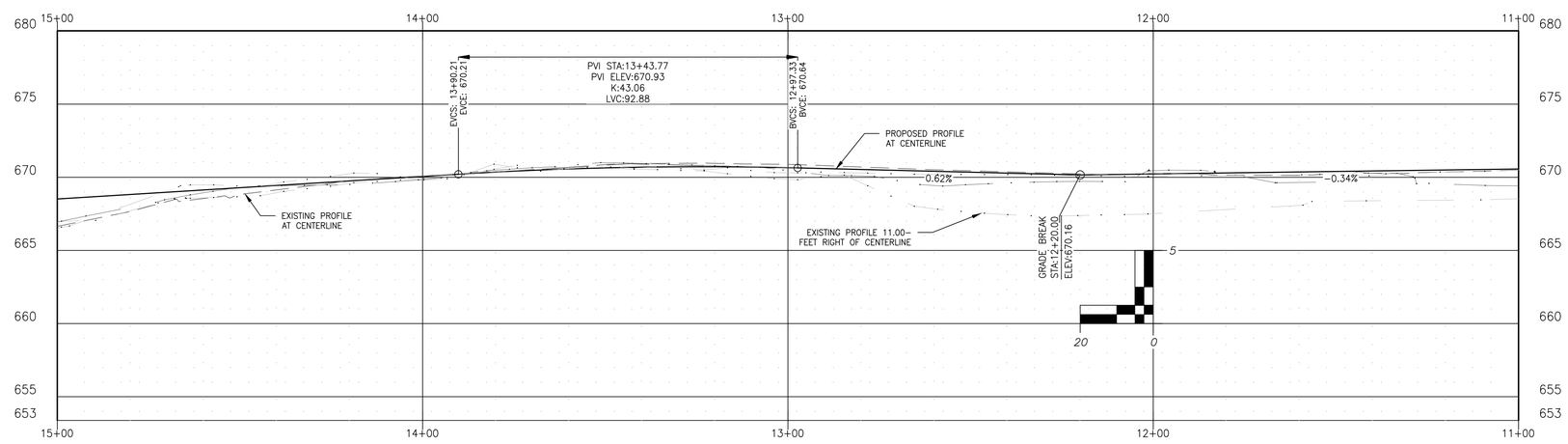
665 FOR ABOVE GROUND STORMWATER FACILITIES SEE STORMWATER DETAILS, SHEET C3.91

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





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DAMIEN GILBERT
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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

GRADING PLAN AND PROFILE
CLEVELAND ST. STA. 11+00 TO 15+00

Sheet No. C2.13

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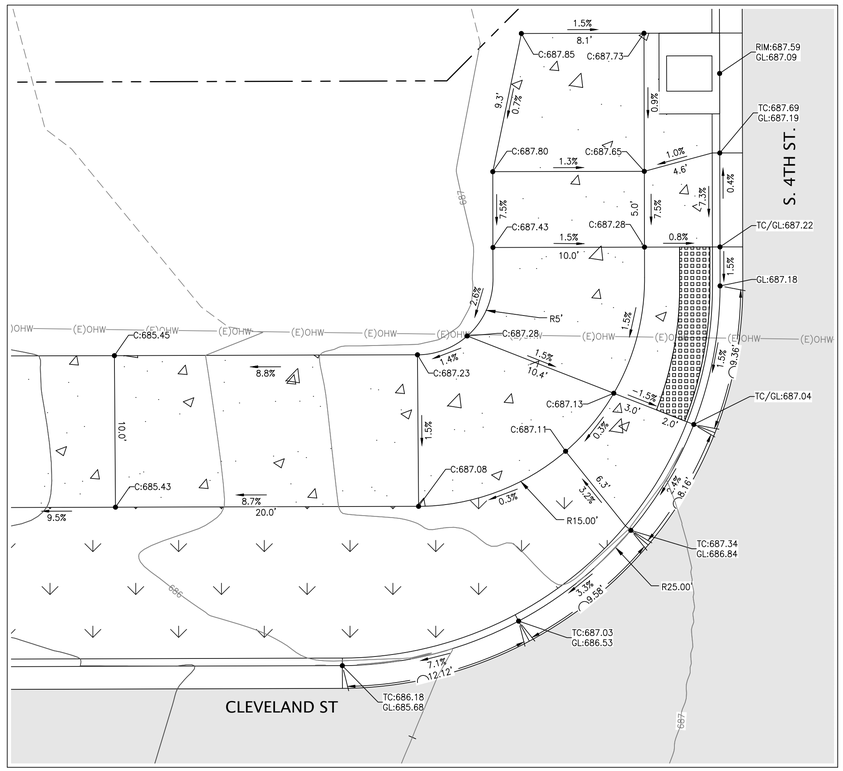
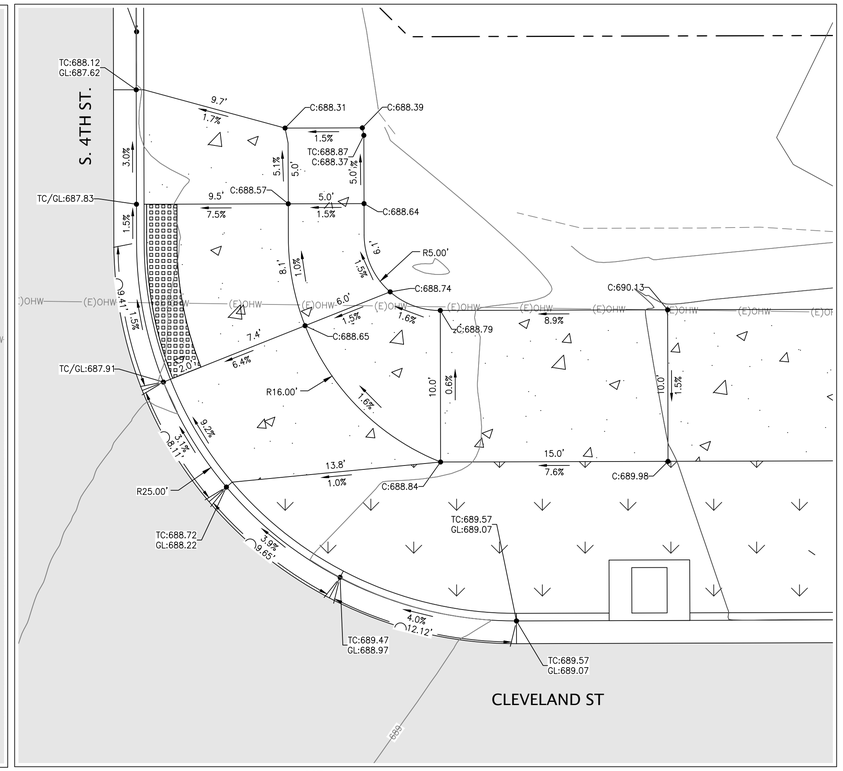
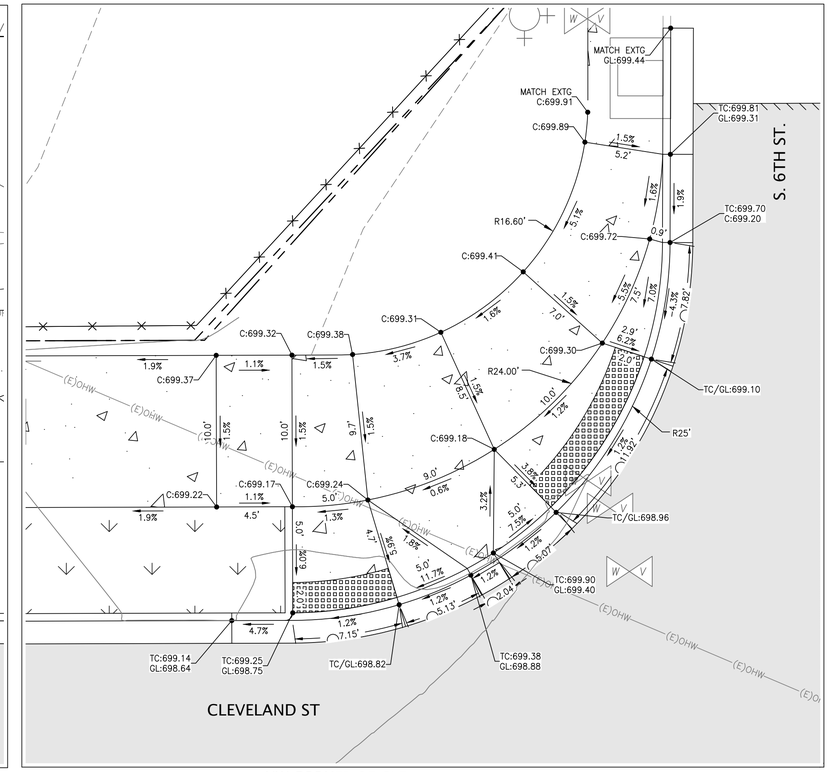


NW CORNER OF CLEVELAND & S. 4TH ST.
CURB AND RAMP DETAIL 3



NE CORNER OF CLEVELAND & S. 4TH ST.
CURB AND RAMP DETAIL 2



NW CORNER OF CLEVELAND & S. 6TH ST.
CURB AND RAMP DETAIL 1

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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

ADA RAMP GRADING
GRADING PLAN AND PROFILE

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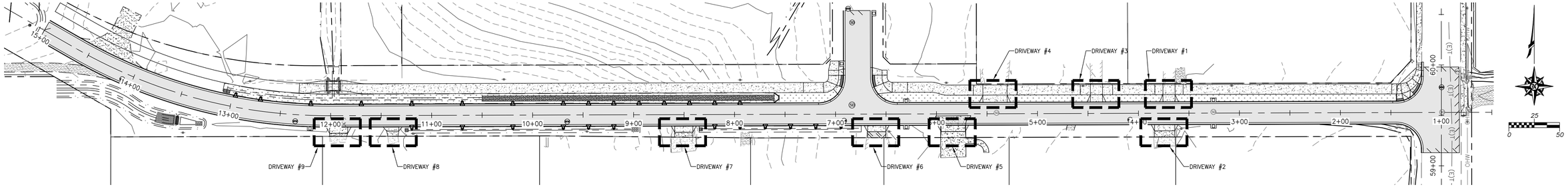
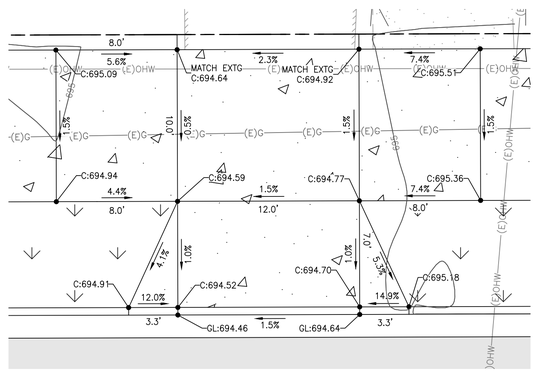
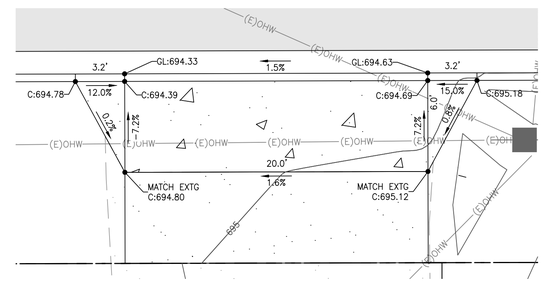
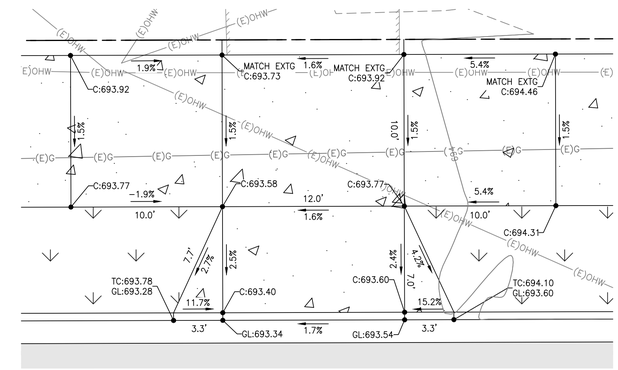




DRIVEWAY #1 STA 3+69.7



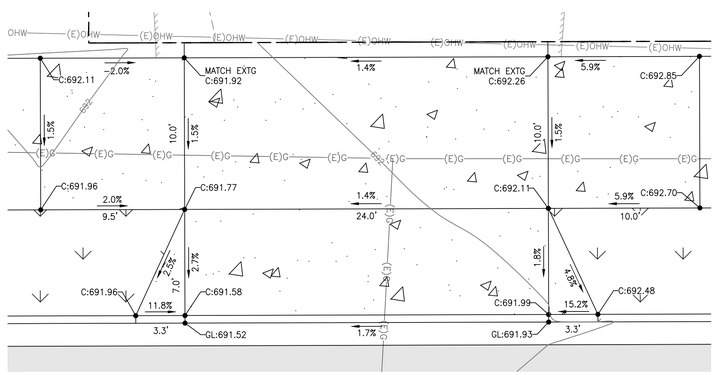
DRIVEWAY #2 STA 3+74.0



DRIVEWAY #3 STA 5+41.5

LEGEND

- CONCRETE
- GRAVEL
- ASPHALT



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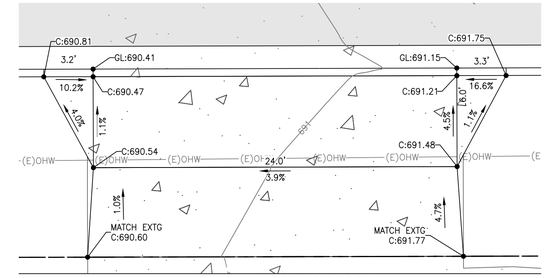

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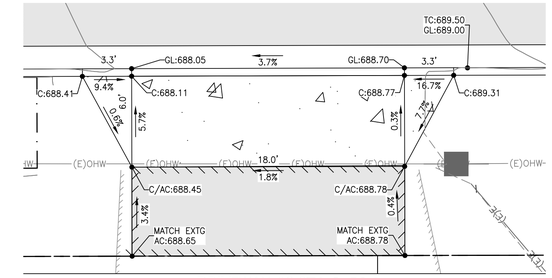
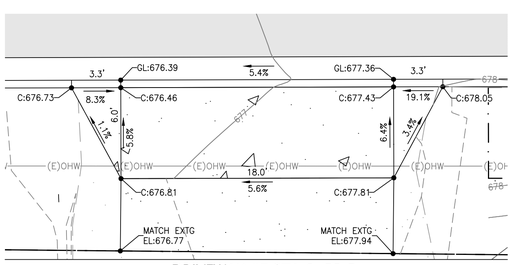
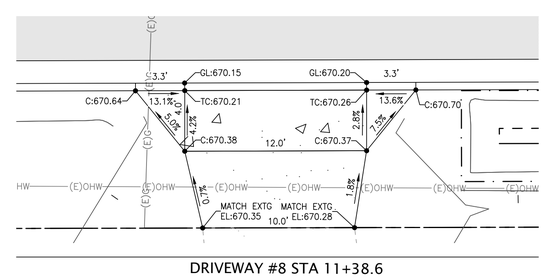


DRIVEWAY #6 STA 6+59.3



DRIVEWAY #7 STA 8+53.5



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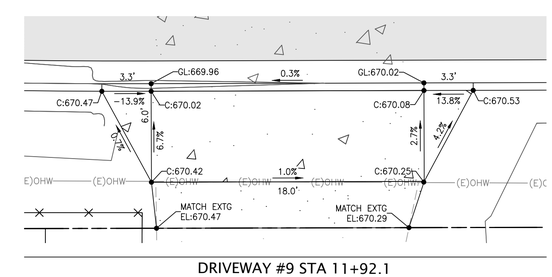

DRIVEWAY #9 STA 11+92.1

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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

CLEVELAND STREET
DRIVEWAY APRON
GRADING PLAN

Sheet No. C2.15

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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.

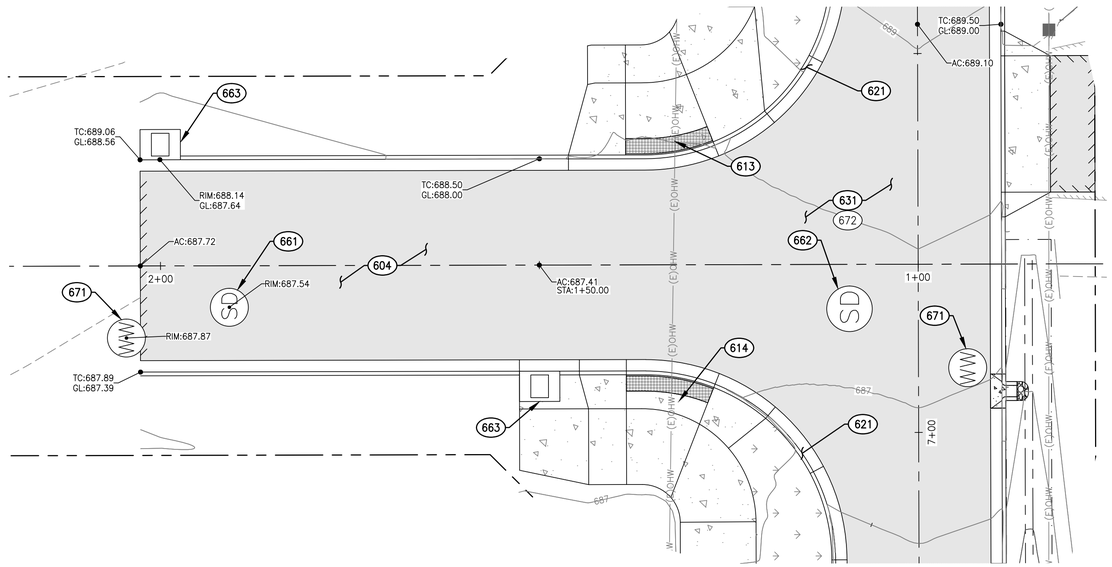
661 NEW 48" STORMWATER MANHOLE, PER STORMWATER SEWER PLAN.

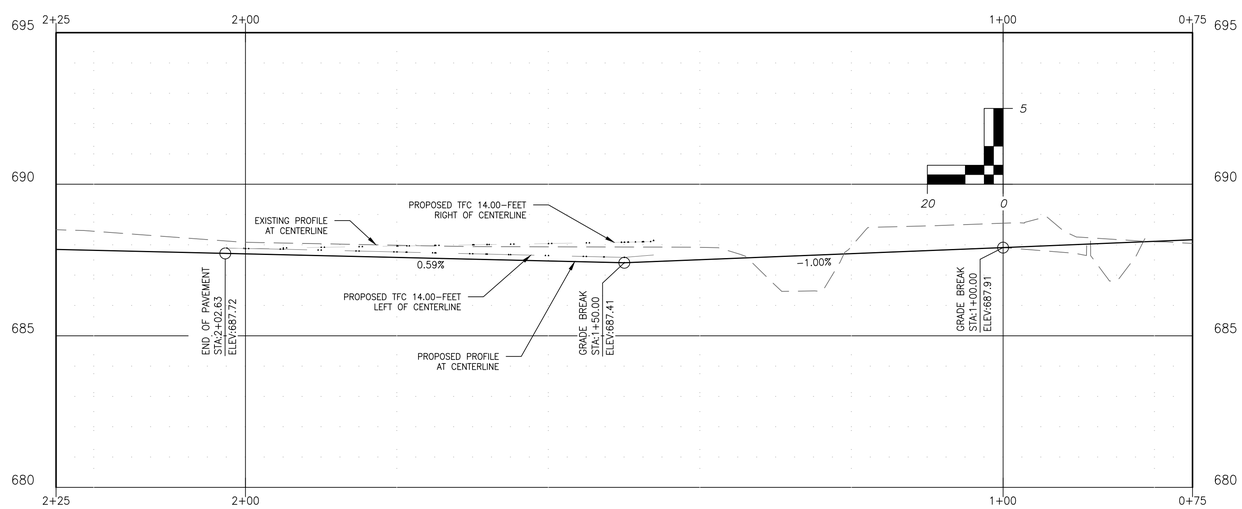
662 NEW 60" STORMWATER MANHOLE, PER STORMWATER SEWER PLAN.

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 AASHTO T-180. FOLLOW 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.





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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

GRADING PLAN AND PROFILE
S. 4TH ST. STA. 0+75 TO 2+00 AND
S.4TH ST./CLEVELAND ST. INTERSECTION

Sheet No. C2.16

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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.

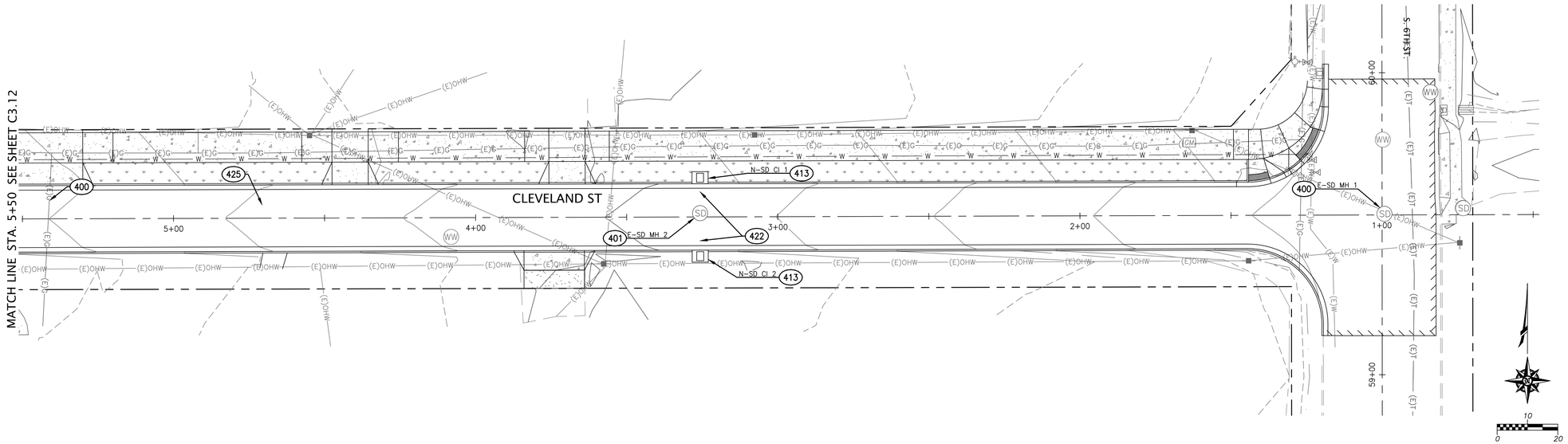
401 CONNECT PROPOSED PIPES INTO EXISTING MANHOLE. ENGINEER TO INSPECT FLOWLINE LOCATIONS PRIOR TO CORE DRILLING.

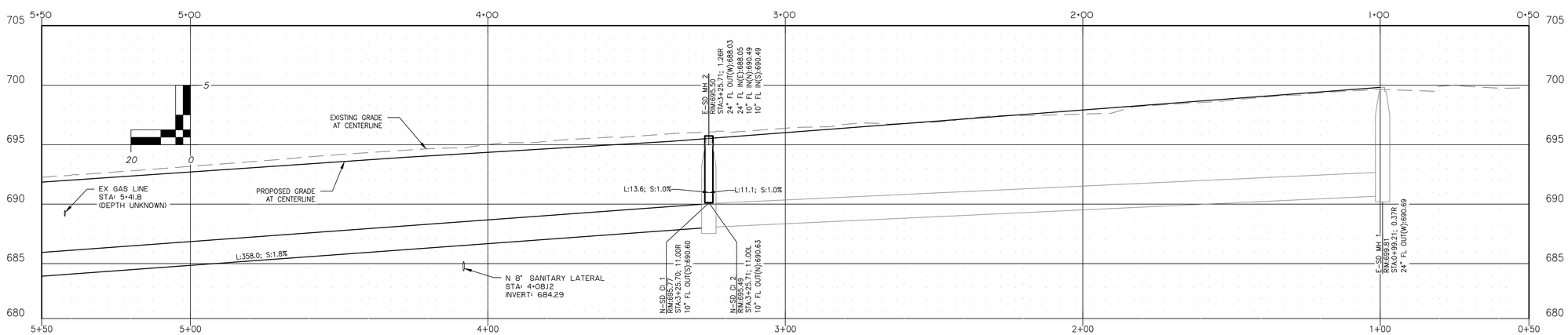
402 EXISTING STORM DRAIN MANHOLE TO BE ADJUSTED TO PROPOSED FINISHED GRADE.

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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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

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

Sheet No. C3.11

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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.

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

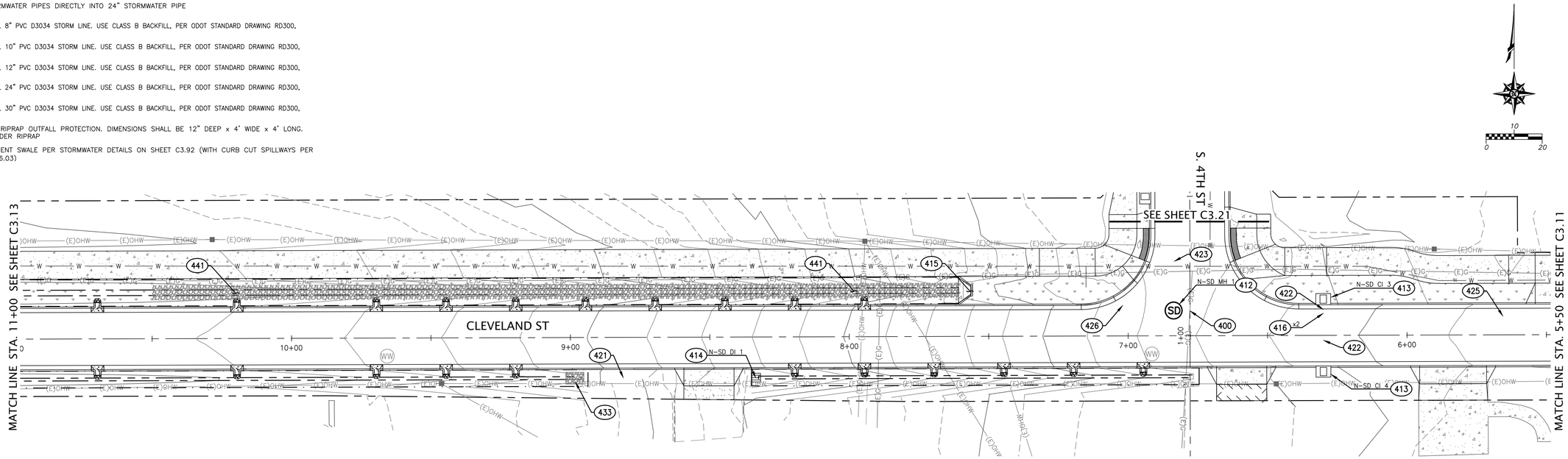
423 FURNISH AND INSTALL 12" PVC D3034 STORM LINE. USE CLASS B BACKFILL, PER ODOT STANDARD DRAWING RD300, SHEET C6.01

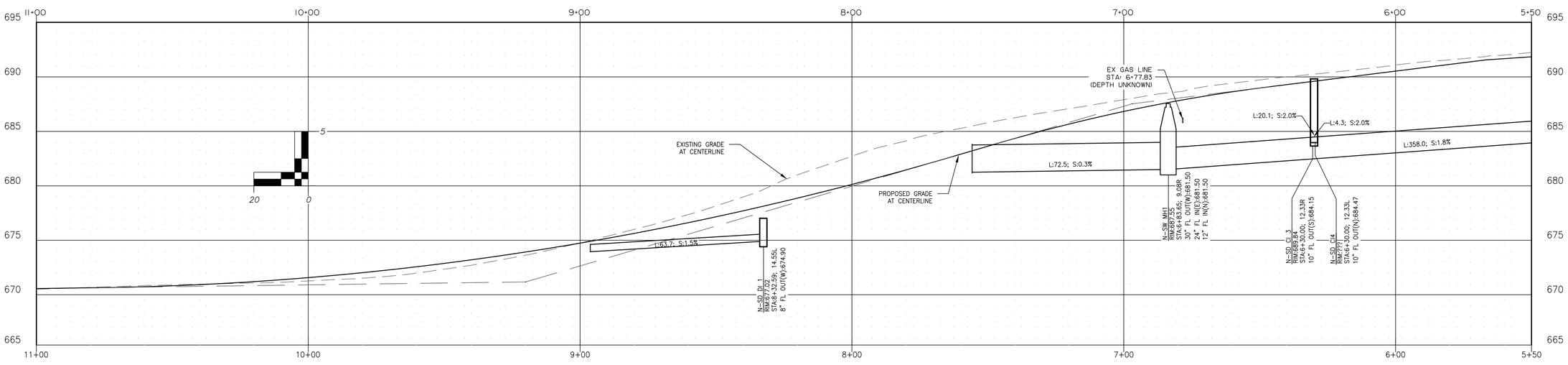
425 FURNISH AND INSTALL 24" PVC D3034 STORM LINE. USE CLASS B BACKFILL, PER ODOT STANDARD DRAWING RD300, SHEET C6.01

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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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

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

Sheet No. C3.12

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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.

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

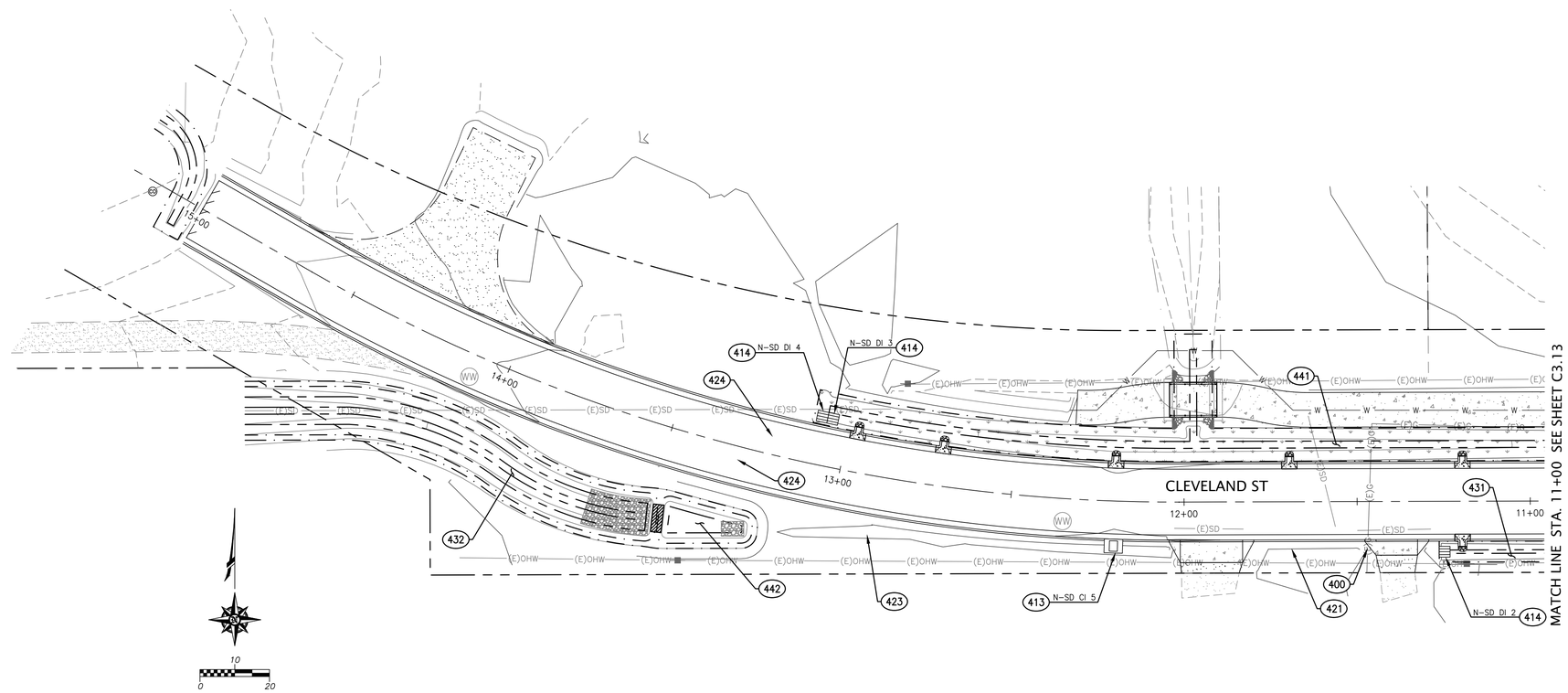
421 FURNISH AND INSTALL 8" PVC D3034 STORM LINE. USE CLASS B BACKFILL, PER ODOT STANDARD DRAWING RD300, SHEET C6.01

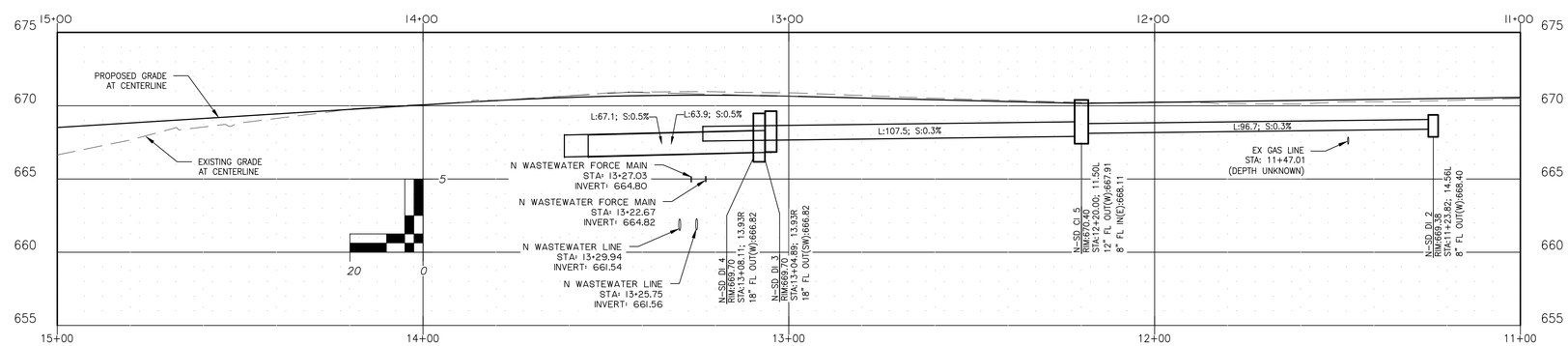
424 FURNISH AND INSTALL 18" PVC D3034 STORM LINE. USE CLASS B BACKFILL, PER ODOT STANDARD DRAWING RD300, SHEET C6.01

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





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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

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

Sheet No. C3.13

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JAD		12/12/2024	23-001C

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CONSTRUCTION NOTES:

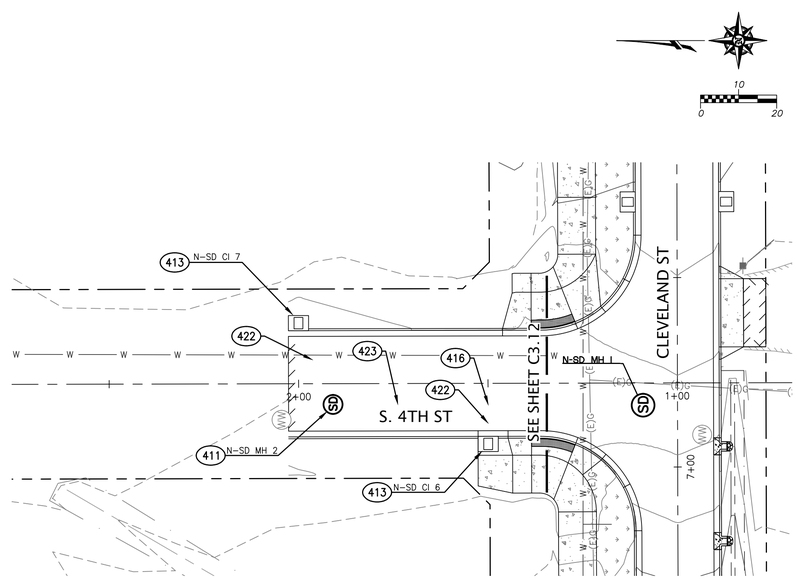
411 FURNISH AND INSTALL 48" STORM MANHOLE PER ODOT STANDARD DRAWING RD335, SHEET C6.01

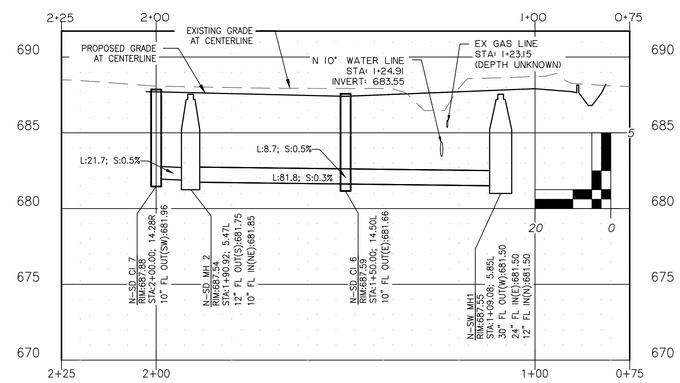
413 FURNISH AND INSTALL STANDARD CURB INLET PER ODOT STANDARD DRAWING RD372, C6.06.

416 CONNECT 10" STORMWATER PIPES DIRECTLY INTO 24" STORMWATER PIPE

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





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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

S 4TH STREET
STORMWATER DRAINAGE
PLAN AND PROFILE

Sheet No. C3.21

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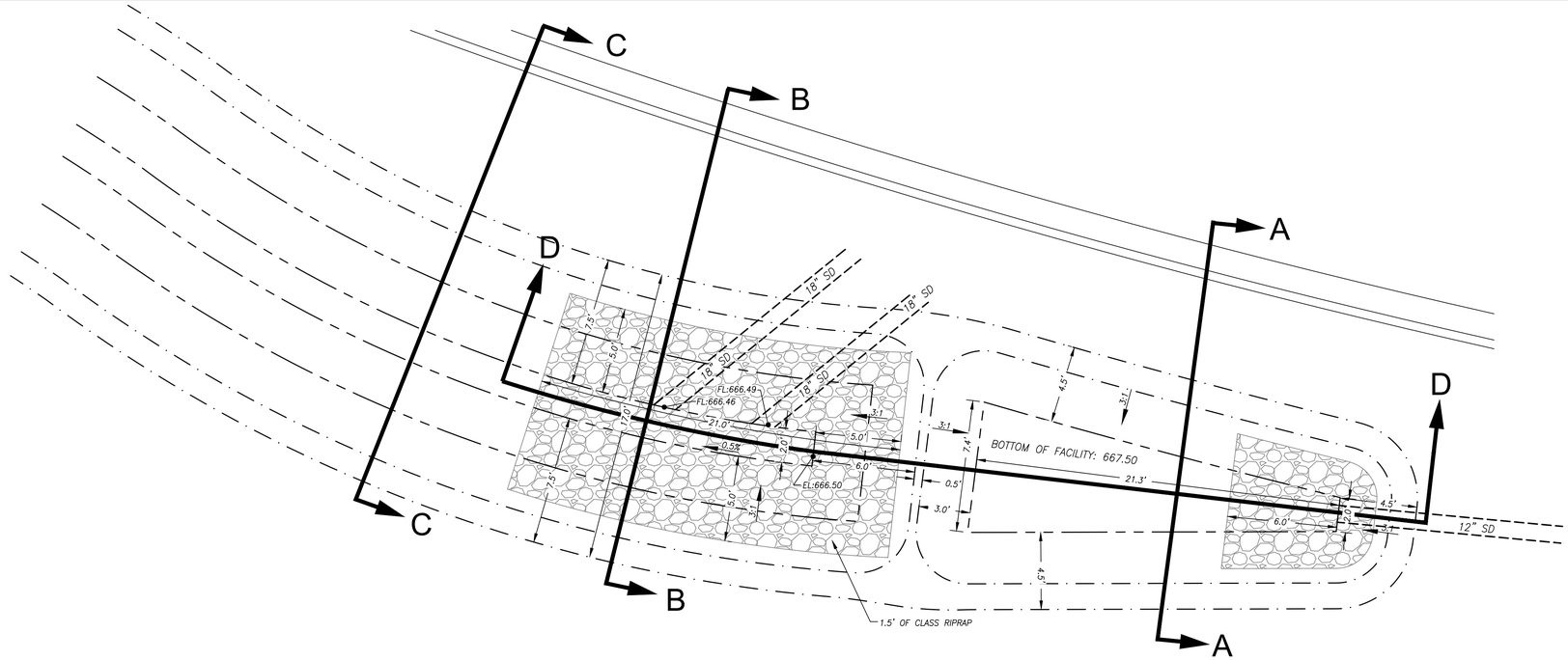

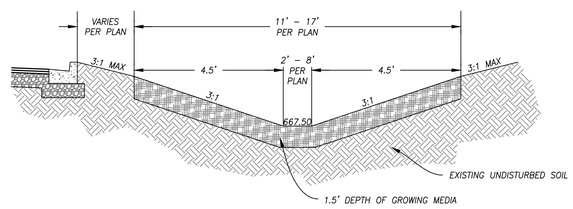

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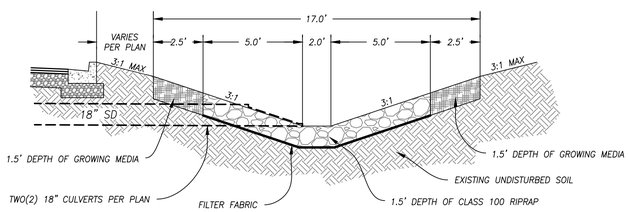

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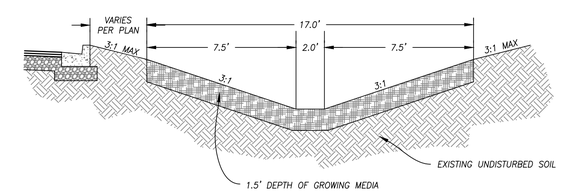

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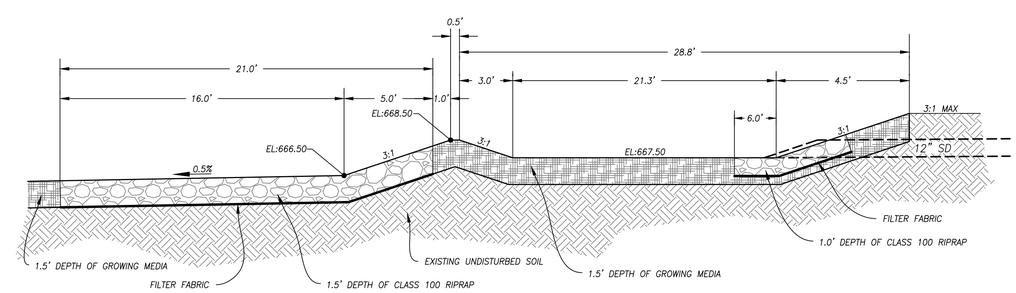

D–D NTS

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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

TREATMENT POND AND CONVEYANCE CHANNEL DETAIL

Sheet No. C3.91

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JRW		12/12/2024	23-001C

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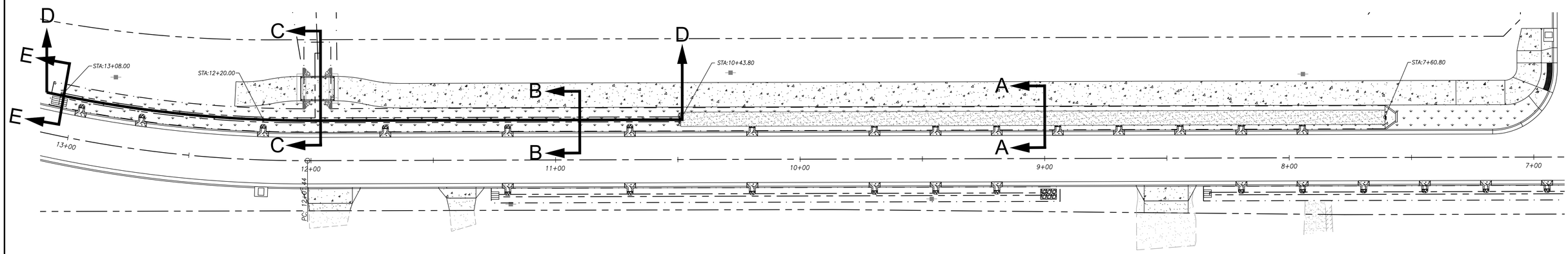
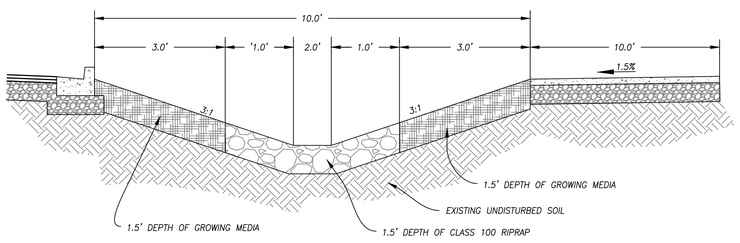
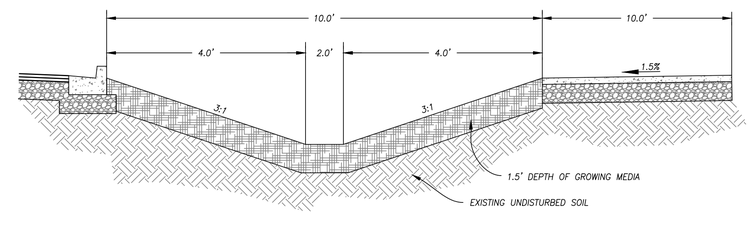




A–A

STA:7+60.80 TO STA:10+43.80



B–B

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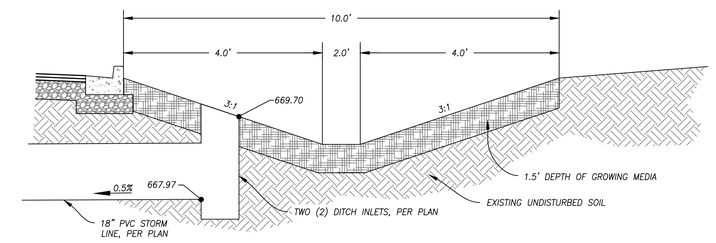

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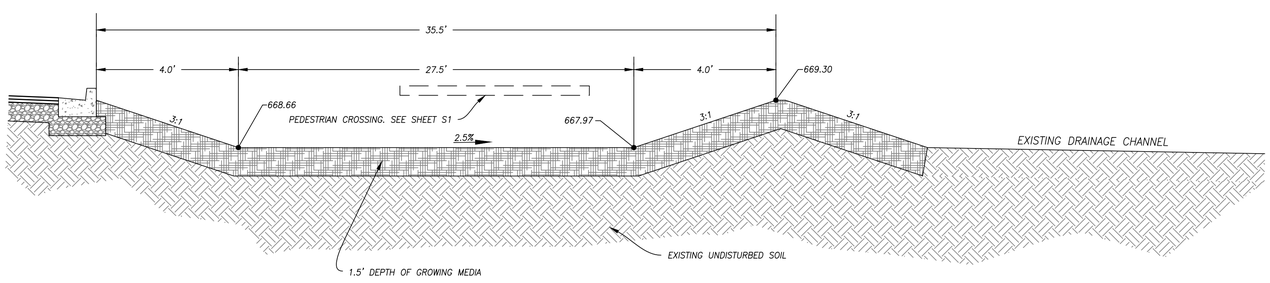
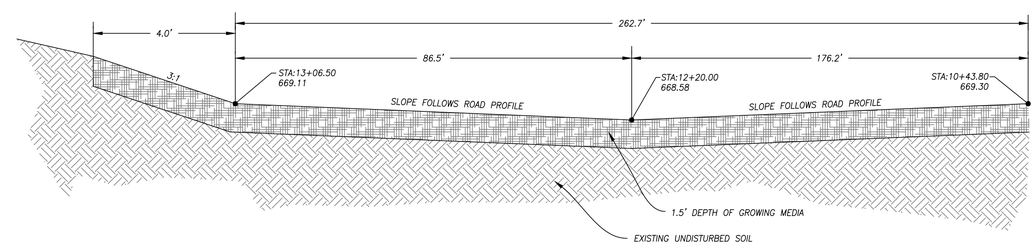


C–C



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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

TREATMENT POND AND CONVEYANCE CHANNEL DETAIL

Sheet No. C3.92

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JOB No. 23-001C

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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

301 ADJUST RIM TO MATCH PROPOSED GRADE

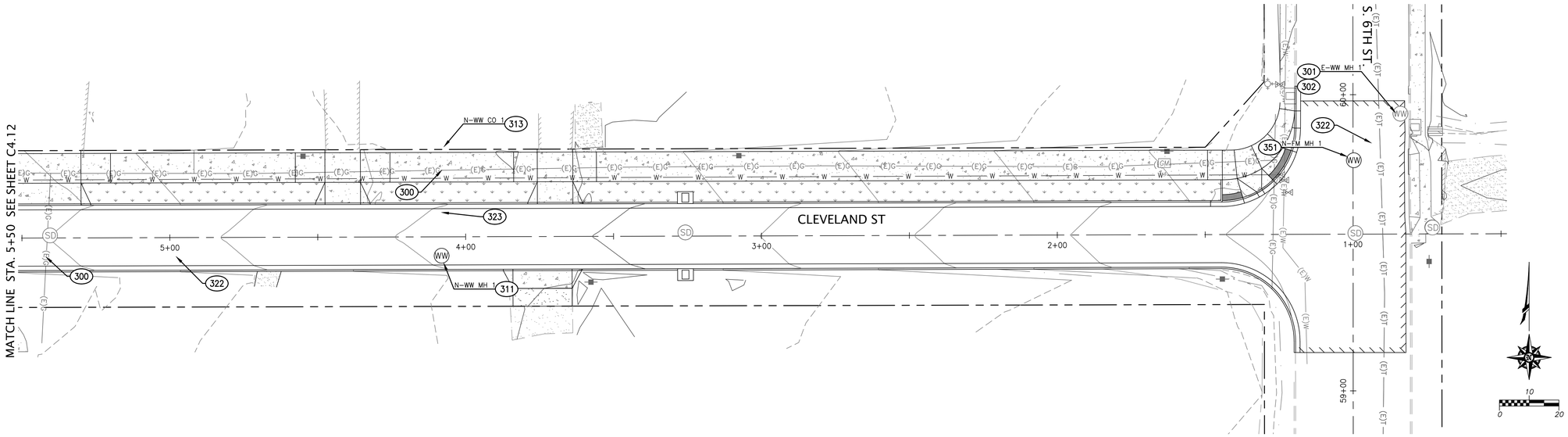
302 CONNECT PROPOSED PIPES INTO EXISTING SANITARY MANHOLE. ENGINEER TO INSPECT FLOWLINE LOCATIONS PRIOR TO CORE DRILLING.

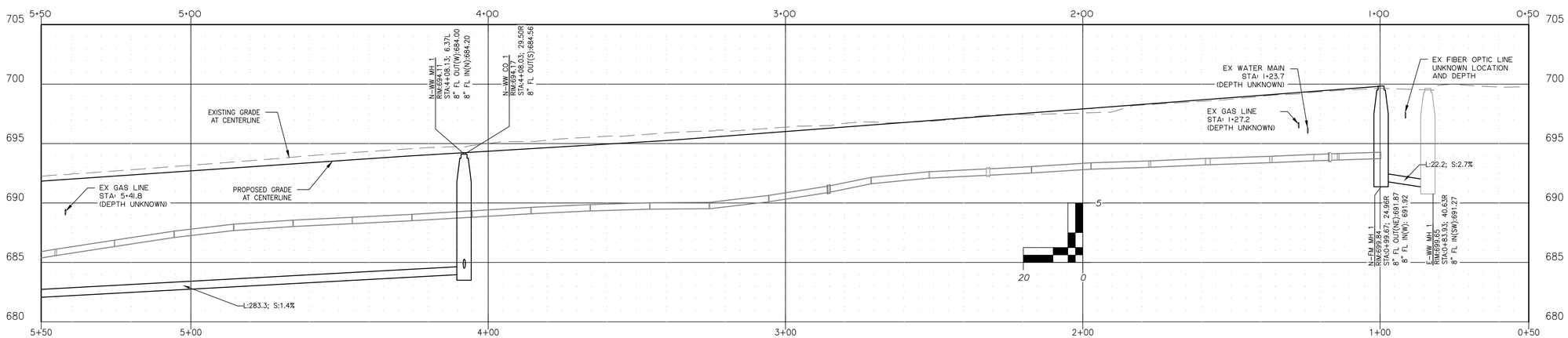
313 FURNISH AND INSTALL 8" SANITARY SEWER CLEANOUT PER ODOT STANDARD DRAWING RD362, SHEET C6.05

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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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

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

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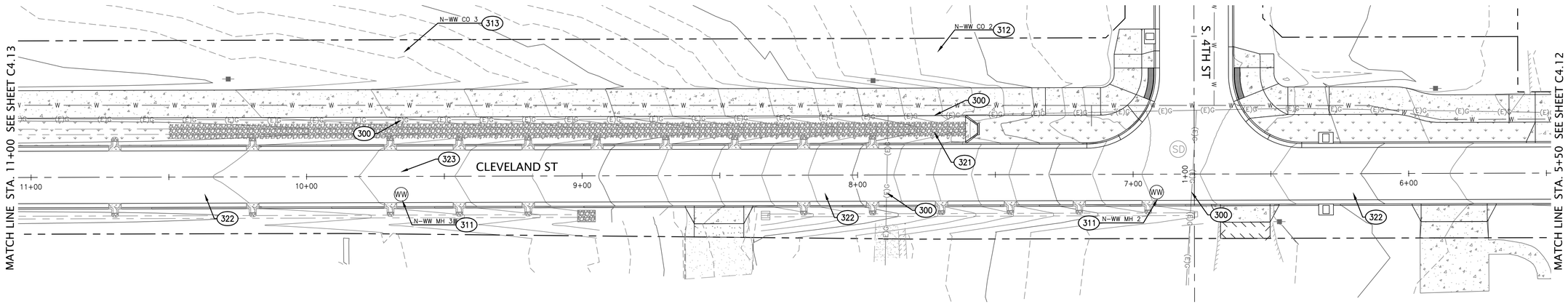
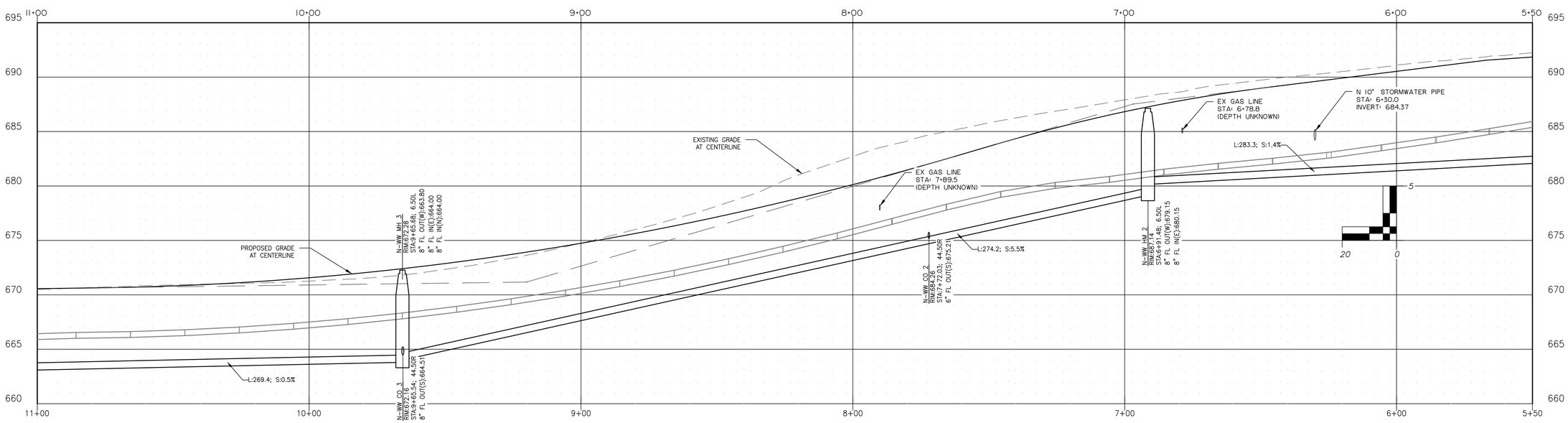
CONSTRUCTION NOTES:

- (300) 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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SANITARY SEWER PLAN AND PROFILE
CLEVELAND ST. STA. 5+50 TO 11+00

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CONSTRUCTION NOTES:

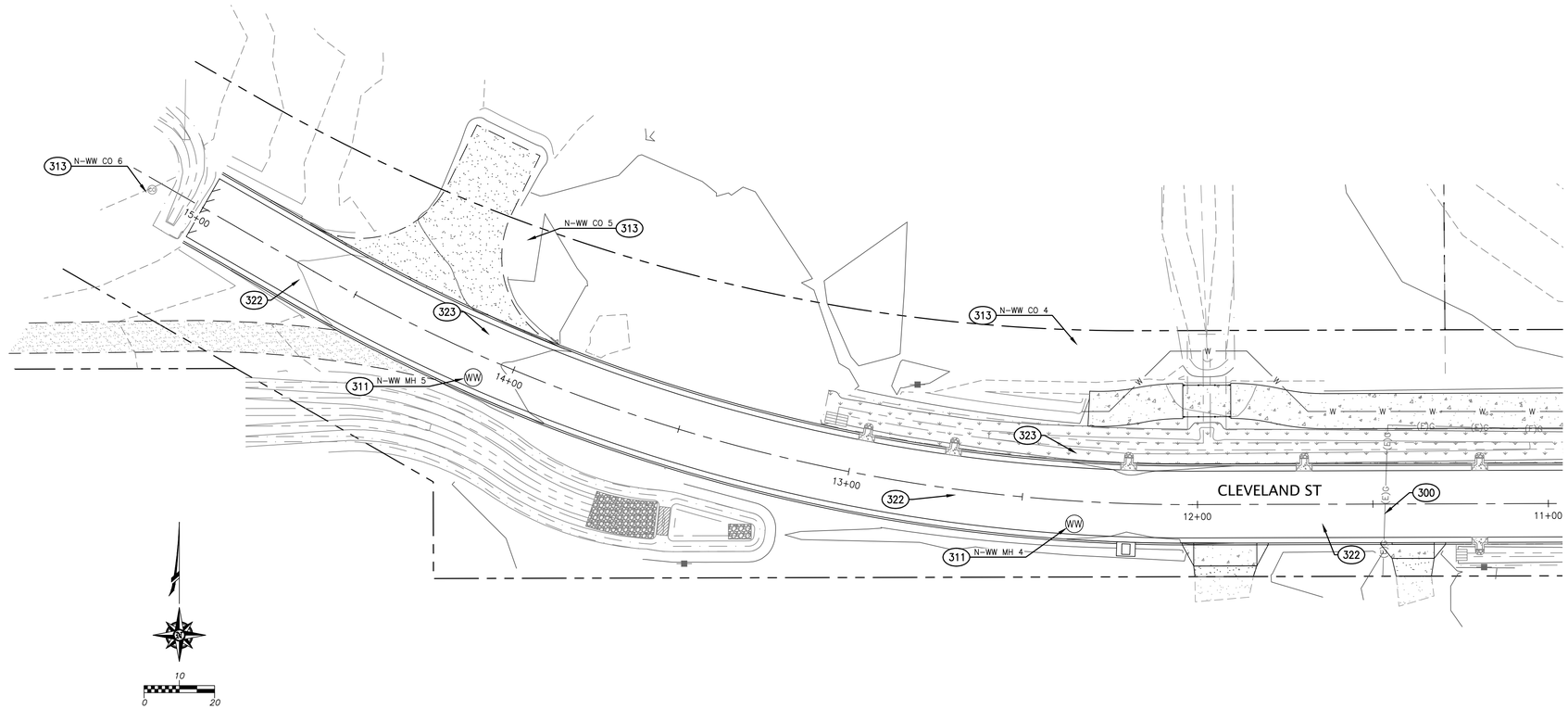
300 POTHOLE EXISTING UTILITY AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES. COORDINATE WITH UTILITY COMPANY IF ADJUSTMENTS ARE REQUIRED

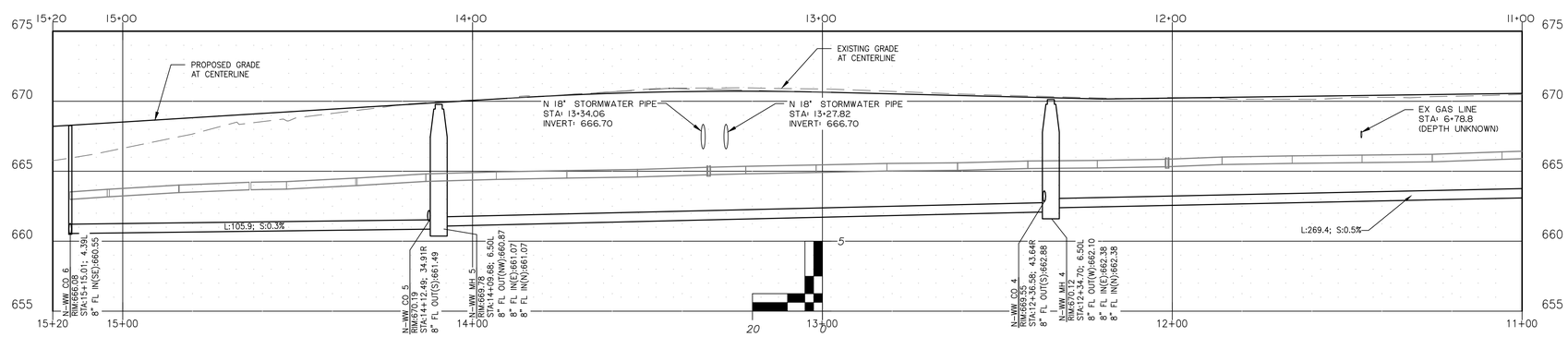
311 FURNISH AND INSTALL 48" SANITARY SEWER MANHOLE PER ODOT STANDARD DRAWING RD338, SHEET C6.05

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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CLEVELAND STREET
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SANITARY SEWER PLAN AND PROFILE
CLEVELAND ST. STA. 11+00 TO 15+00

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CONSTRUCTION NOTES:

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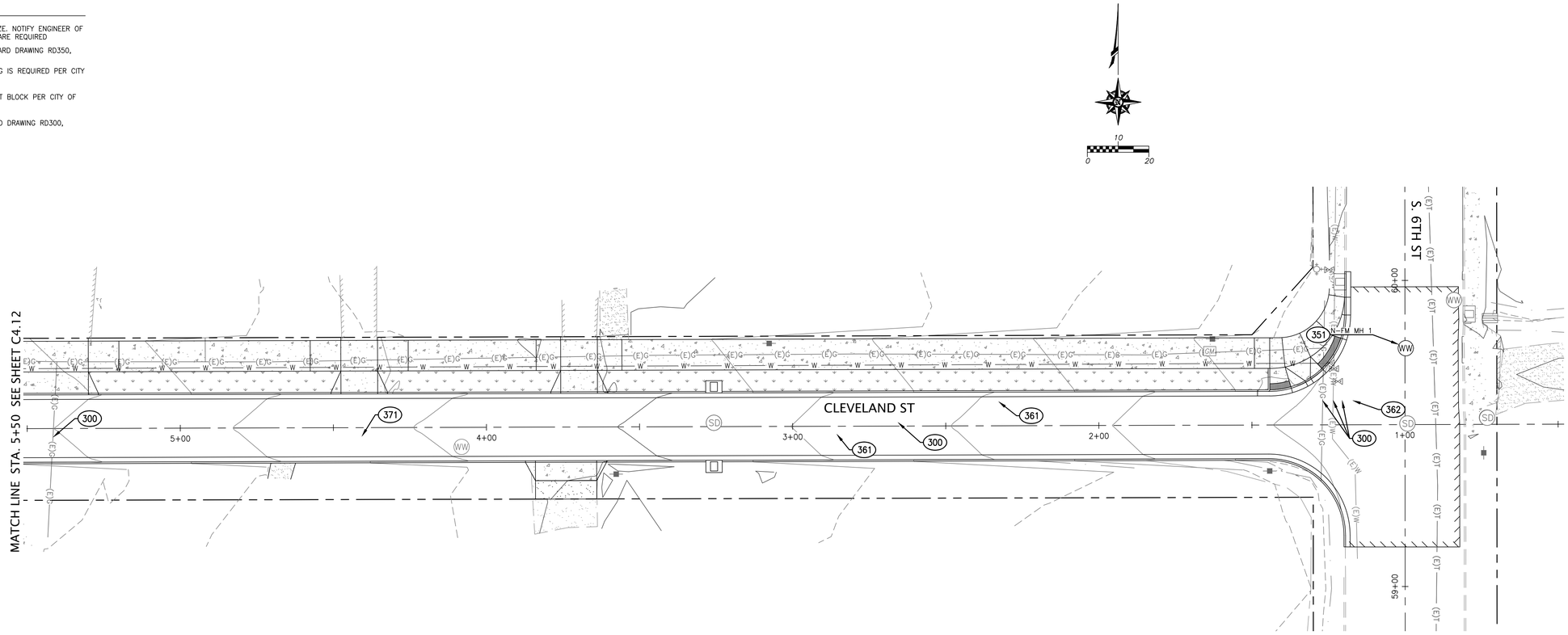
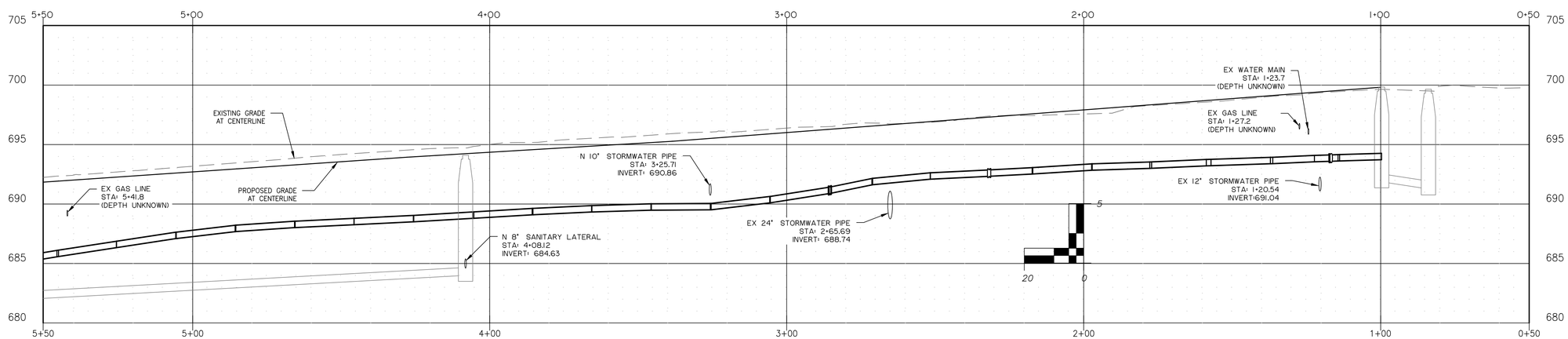
351 FURNISH AND INSTALL FORCE MAIN DISCHARGE MANHOLE PER ODOT STANDARD DRAWING RD350, SHEET C6.05

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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AND 6TH ST.

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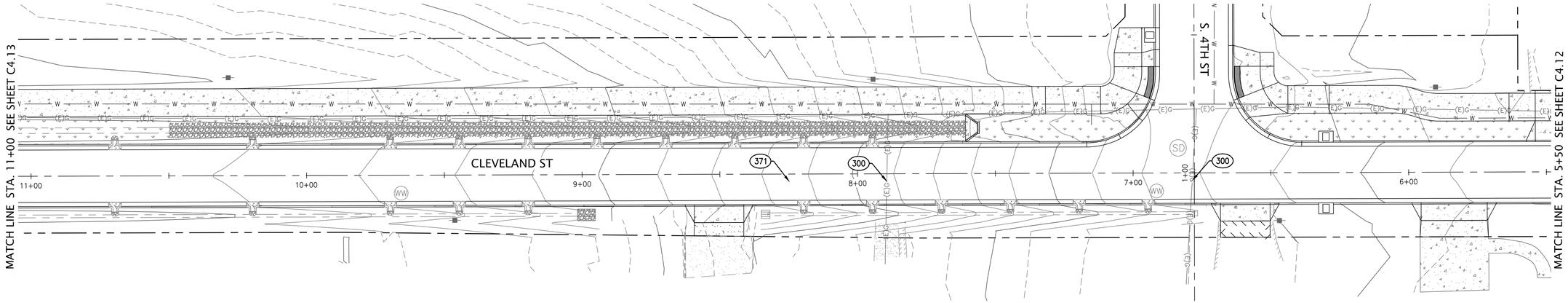
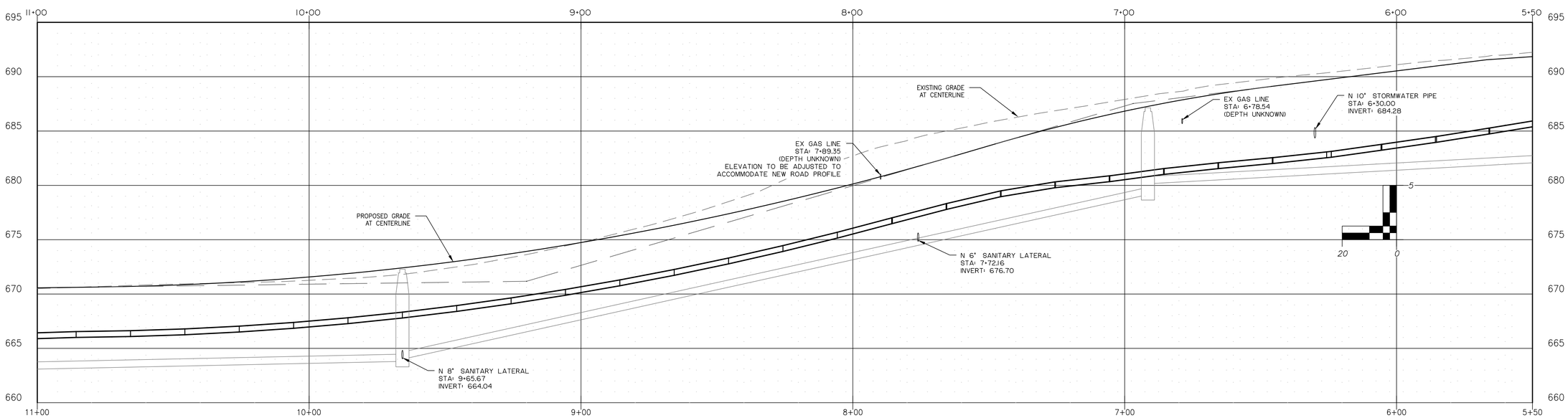
CONSTRUCTION NOTES:

(300) POTHOLE EXISTING UTILITY AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES. COORDINATE WITH UTILITY COMPANY IF ADJUSTMENTS ARE REQUIRED

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

Sheet No. C4.15

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CONSTRUCTION NOTES:

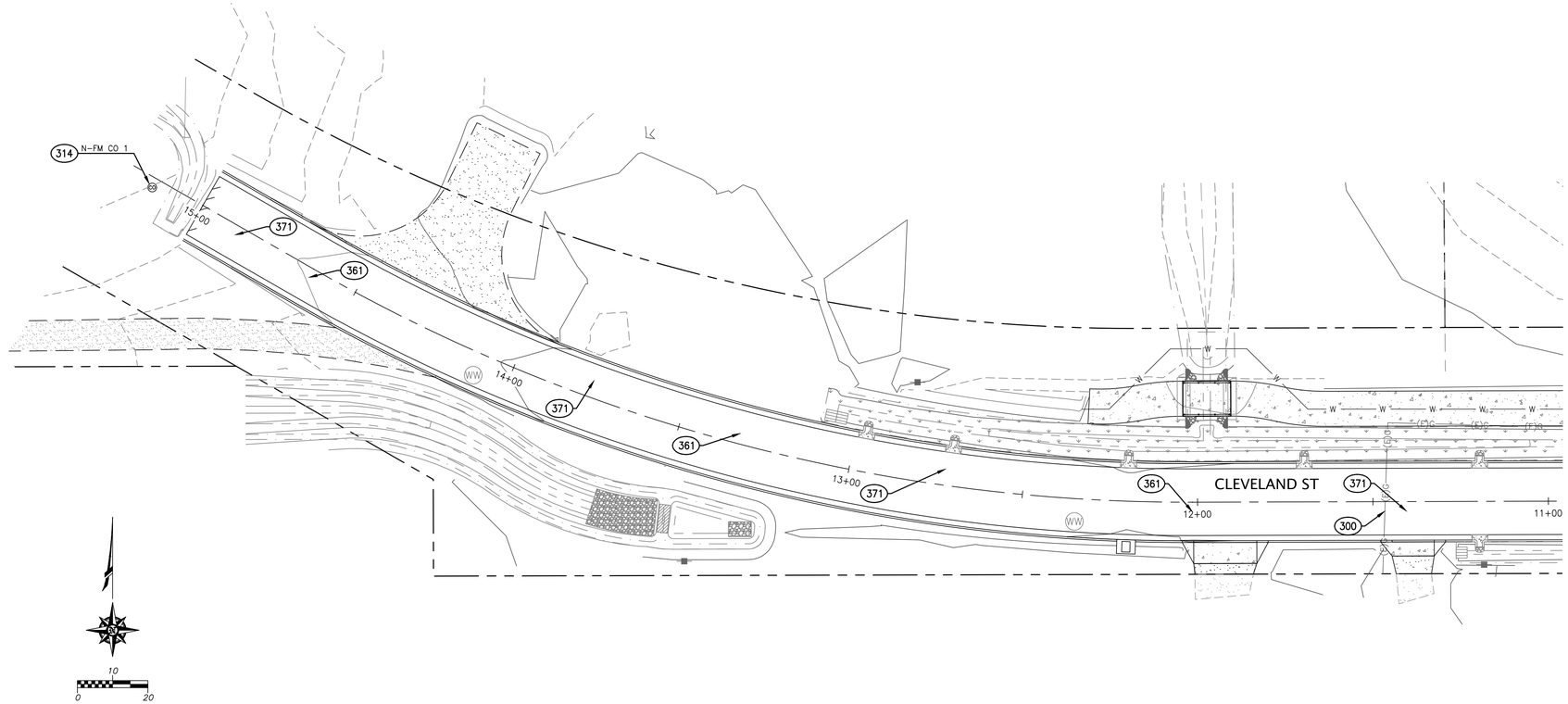
300 POTHOLE EXISTING UTILITY AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES. COORDINATE WITH UTILITY COMPANY IF ADJUSTMENTS ARE REQUIRED

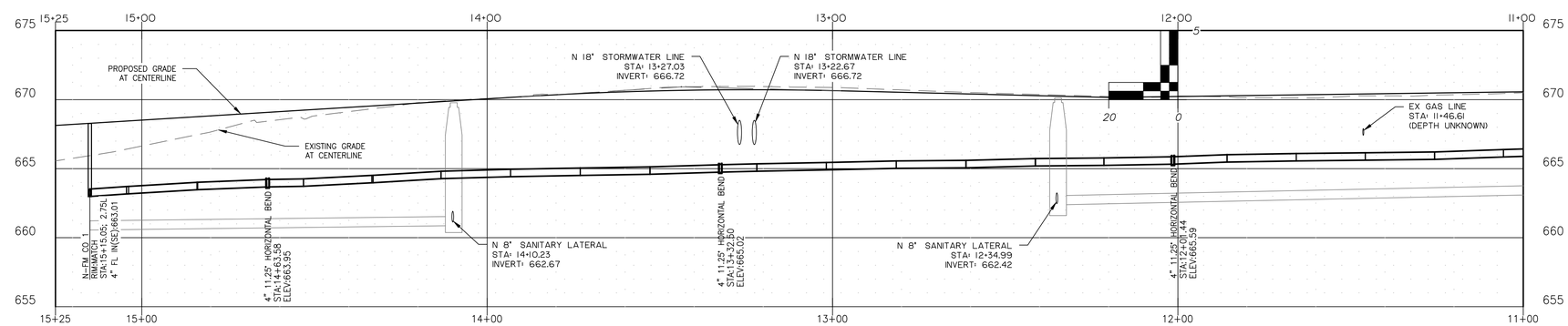
314 FURNISH AND INSTALL 4" SANITARY SEWER CLEANOUT PER ODOT STANDARD DRAWING RD362, SHEET C6.05

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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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

SANITARY SEWER PLAN AND PROFILE
CLEVELAND ST. STA. 11+00 TO 15+00

Sheet No. C4.16

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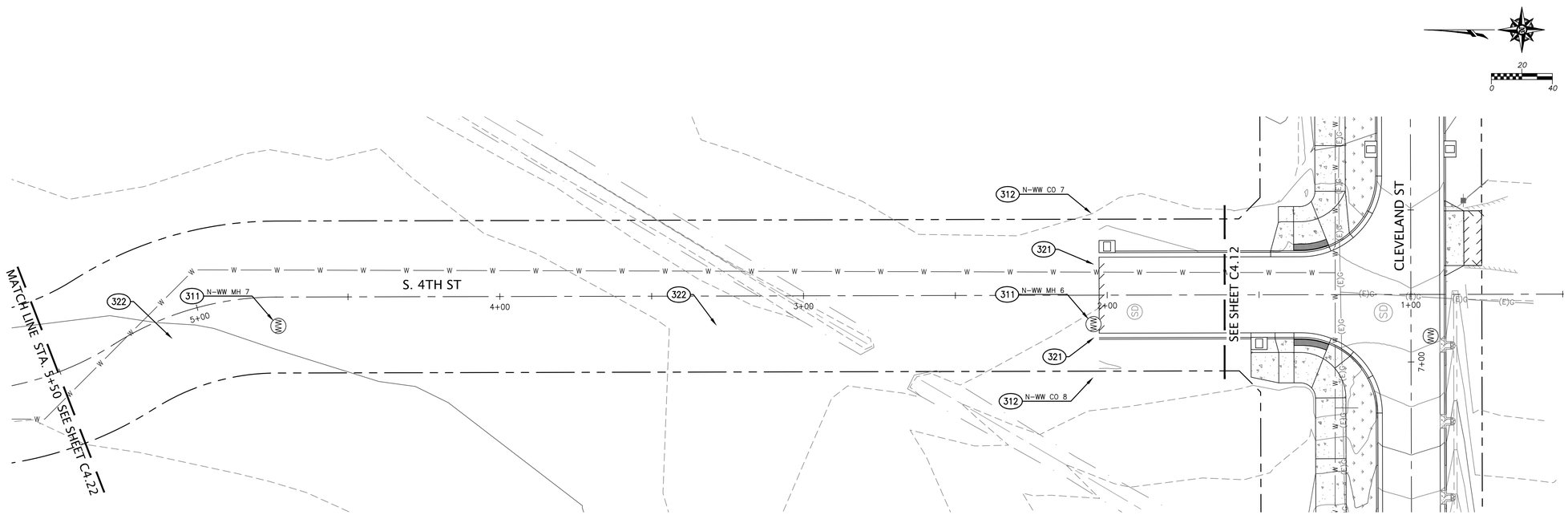
CONSTRUCTION NOTES:

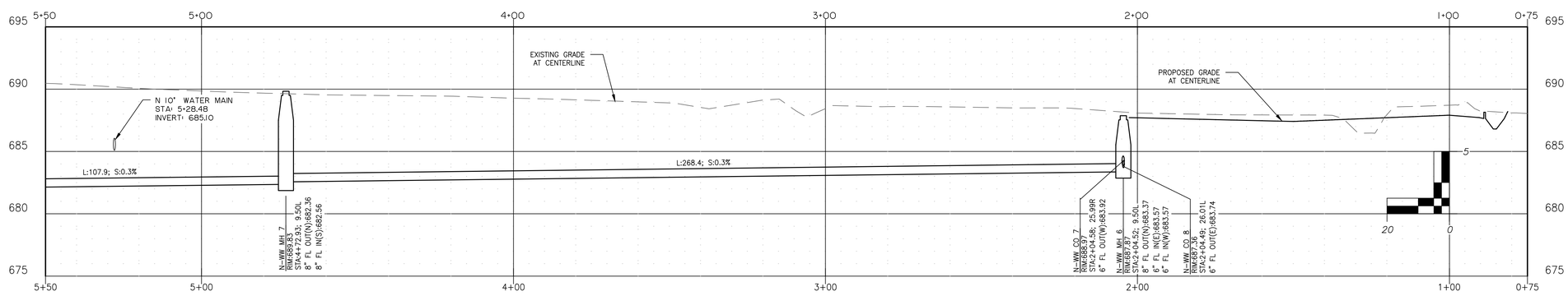
(311) FURNISH AND INSTALL 48" SANITARY SEWER MANHOLE PER ODOT STANDARD DRAWING RD338, SHEET C6.05

(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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DAMIEN GILBERT
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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

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

Sheet No. C4.21

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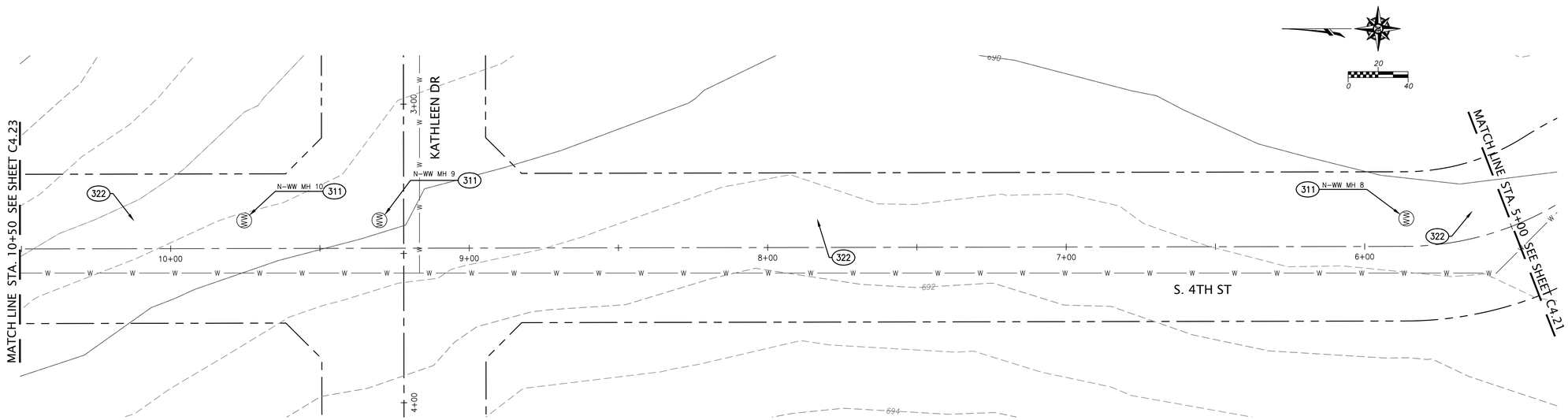
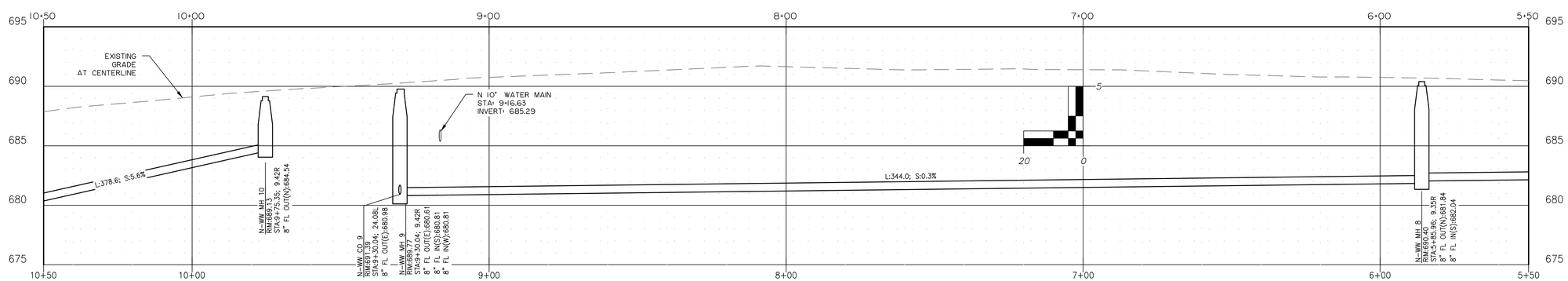
CONSTRUCTION NOTES:

(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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DAMIEN GILBERT
EXPIRES: JUNE 30, 2025

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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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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

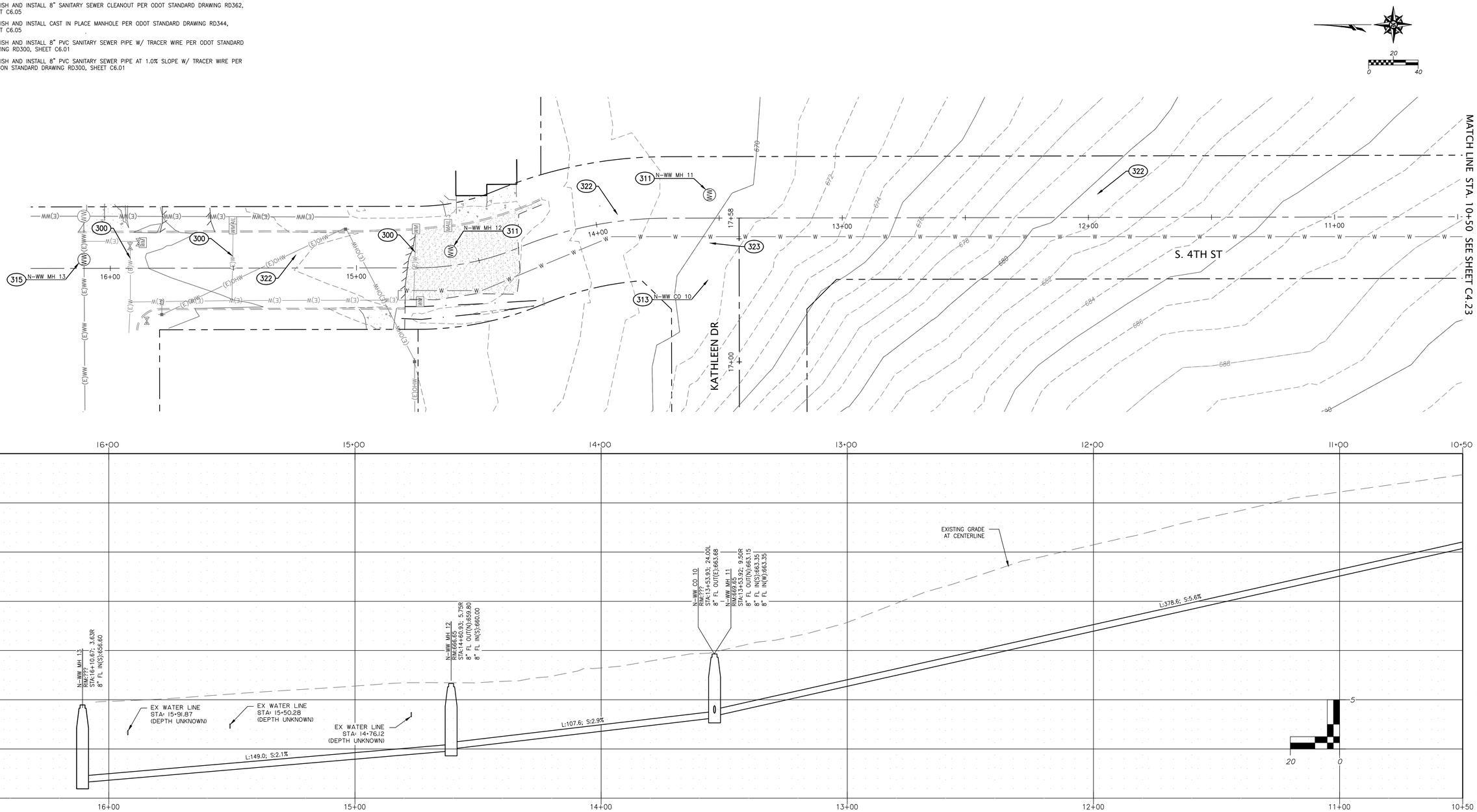
311 FURNISH AND INSTALL 48" SANITARY SEWER MANHOLE PER ODOT STANDARD DRAWING RD338, SHEET C6.05

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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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

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

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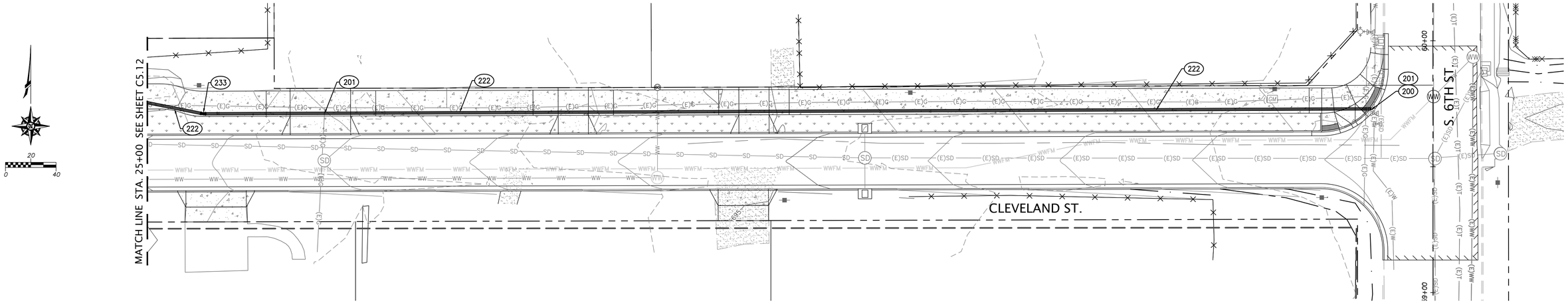

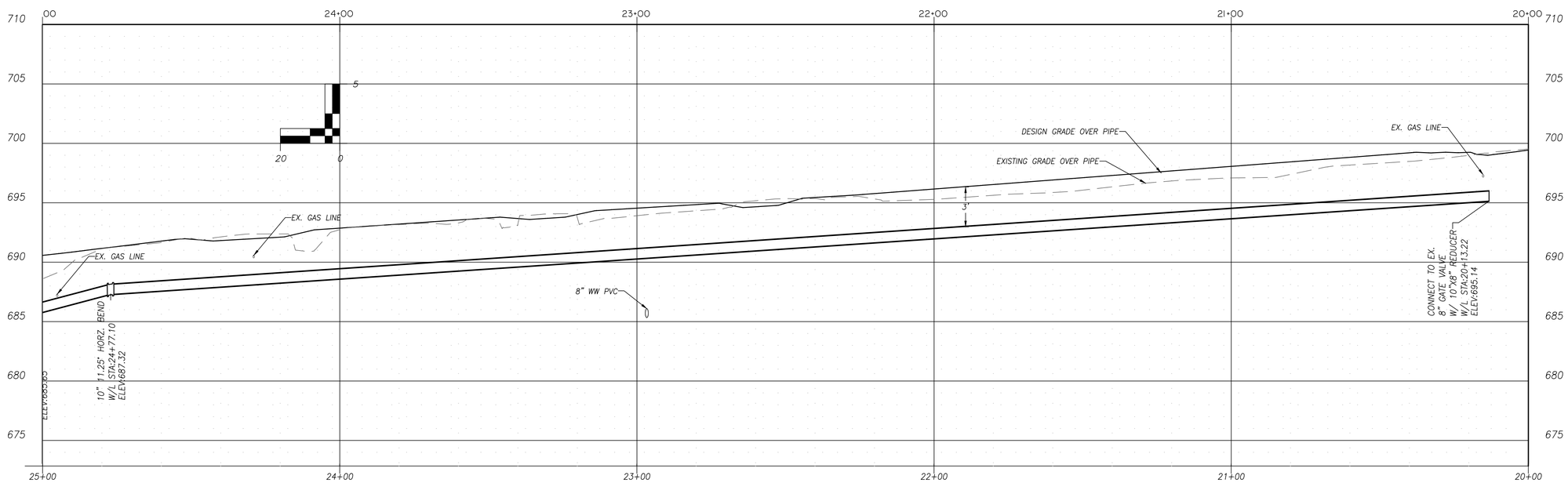

CLEVELAND STREET WATERLINE PROFILE

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 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 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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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

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

Sheet No. C5.11

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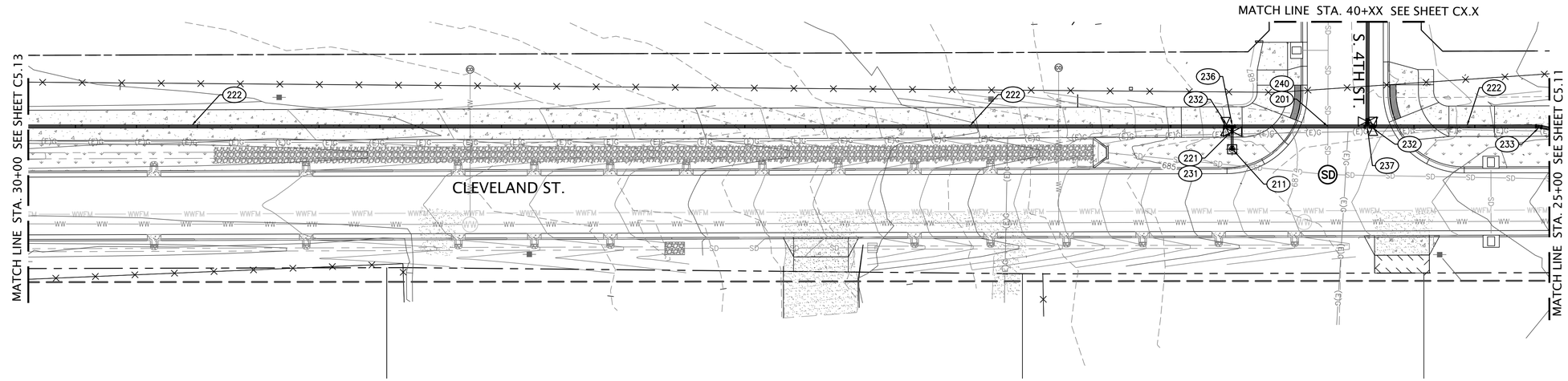


CONSTRUCTION NOTES:

201 POTHOLE EXISTING UTILITY LINE AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES.

211 FURNISH AND INSTALL FIRE HYDRANT ASSEMBLY WITH VALVE PER CITY OF COTTAGE GROVE STD DWG 401, SHEET C6.04.

221 FURNISH AND INSTALL 6" 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.

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.

231 FURNISH AND INSTALL 6" GATE VALVE (RESILIENT WEDGE) WITH RETAINER GLANDS. AND VALVE BOX PER CITY OF COTTAGE GROVE STANDARD DRAWING 408, SHEET C6.04.

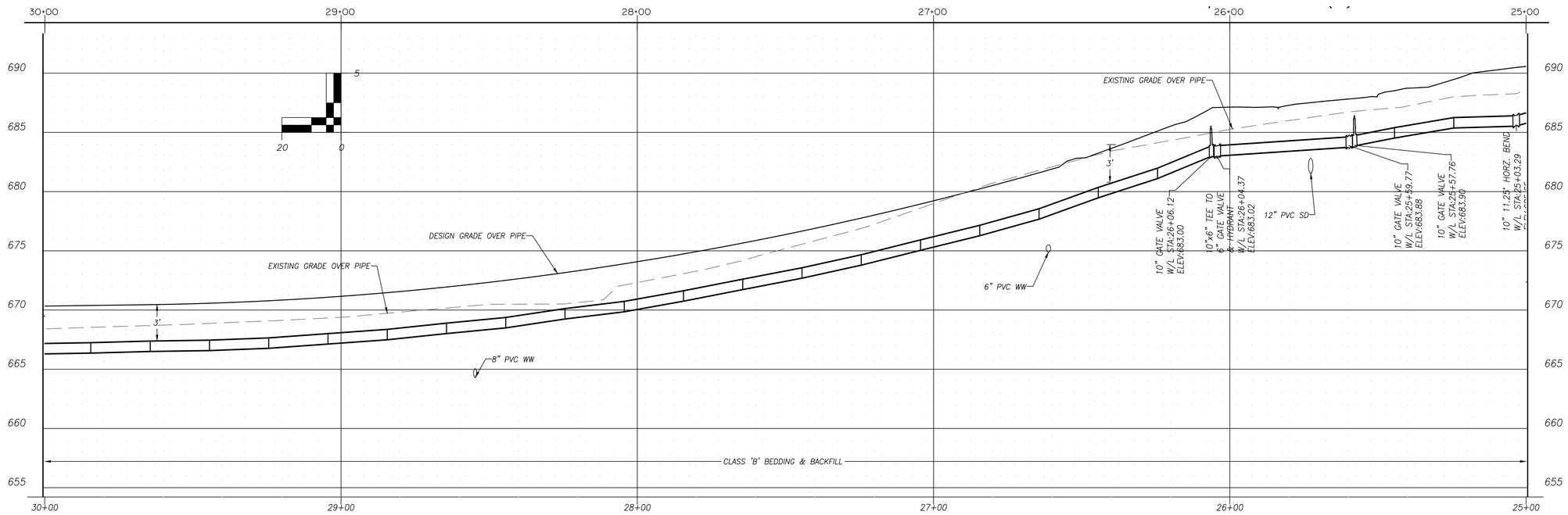
232 FURNISH AND INSTALL 10" GATE VALVE (RESILIENT WEDGE) WITH RETAINER GLANDS. AND VALVE BOX PER CITY OF COTTAGE GROVE STANDARD DRAWING 408, SHEET C6.04.

233 FURNISH AND INSTALL 10" 11.25° HORIZONTAL BEND. PROVIDE MECHANICAL JOINT THRUST RESTRAINT.

236 FURNISH AND INSTALL 10"X10"X6" TEE WITH RETAINER GLANDS. 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.



CLEVELAND STREET WATERLINE PROFILE

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

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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

WATER PLAN AND PROFILE
CLEVELAND ST. STA. 25+00 TO 30+00

Sheet No. C5.12

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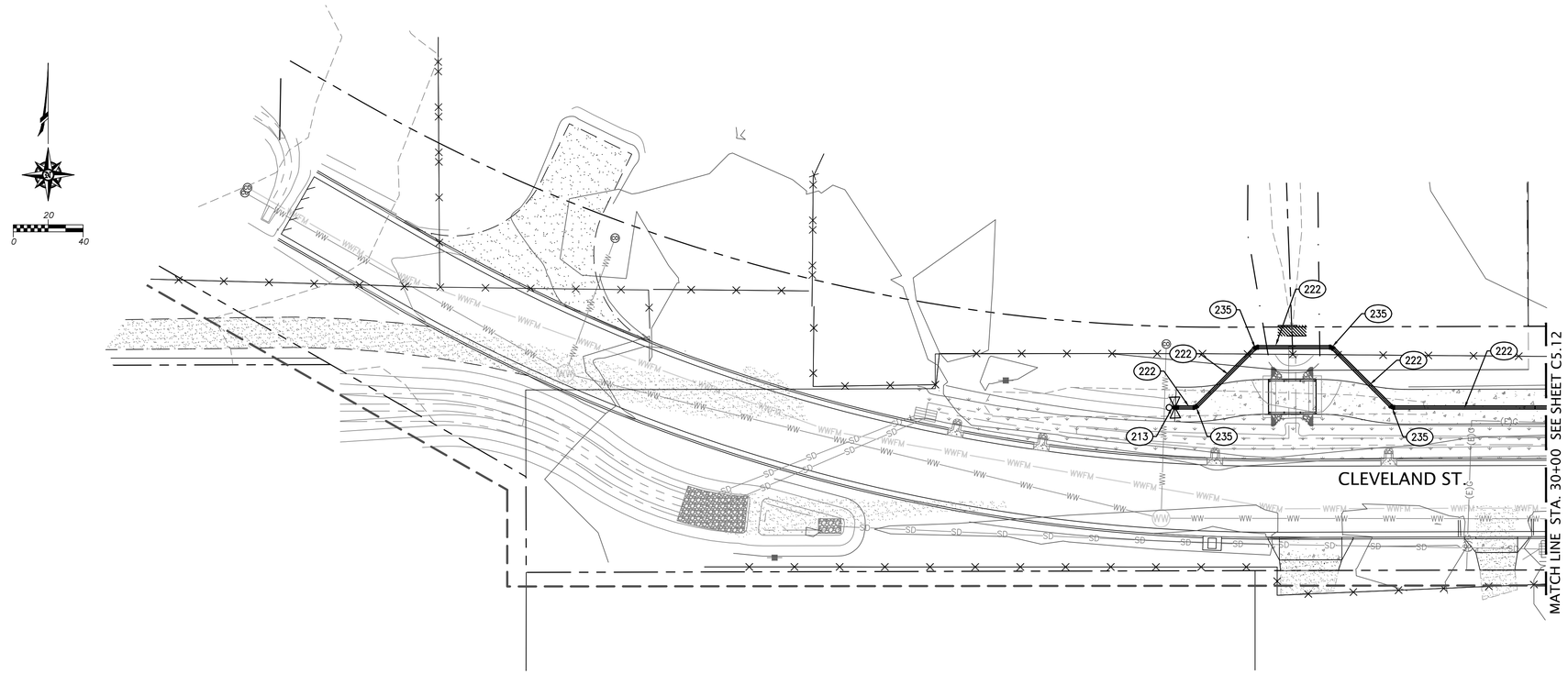

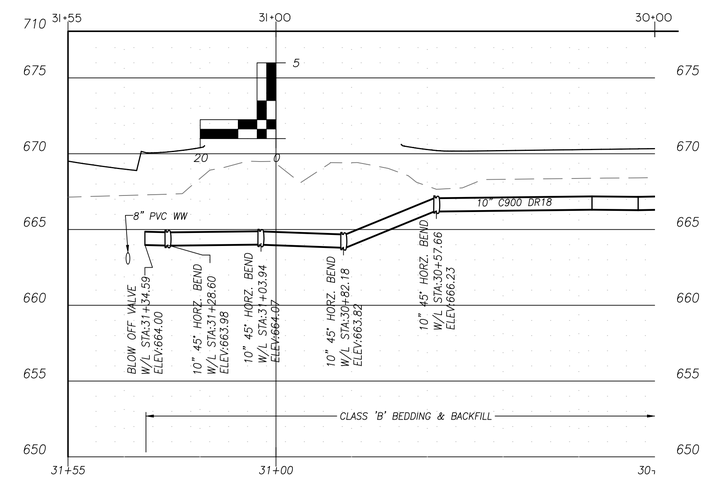

CLEVELAND STREET WATERLINE PROFILE

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

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.

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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

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

Sheet No. C5.13

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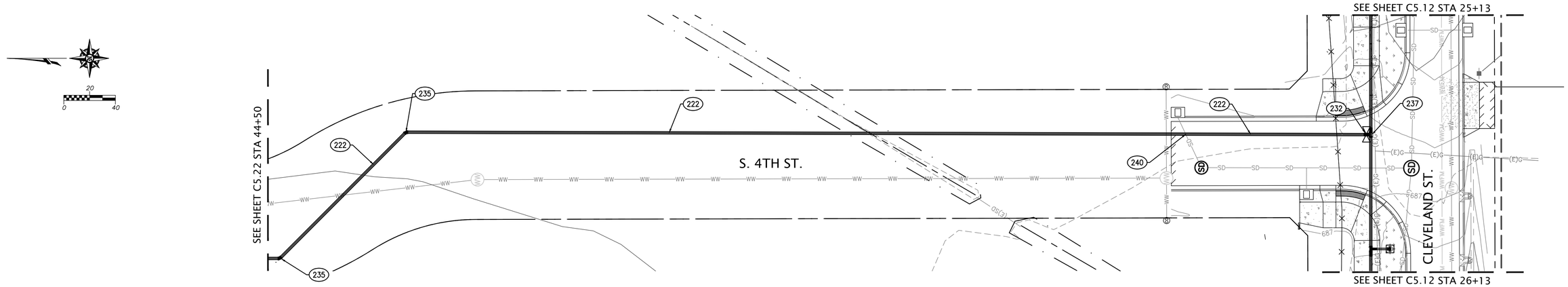

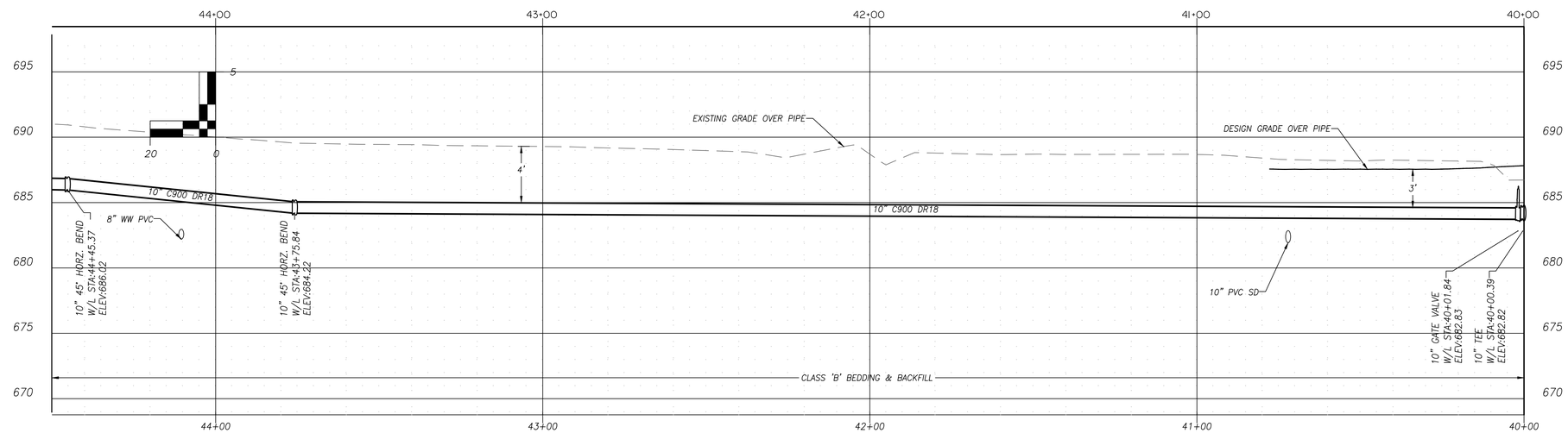

4TH STREET WATERLINE PROFILE

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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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

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

Sheet No. C5.21

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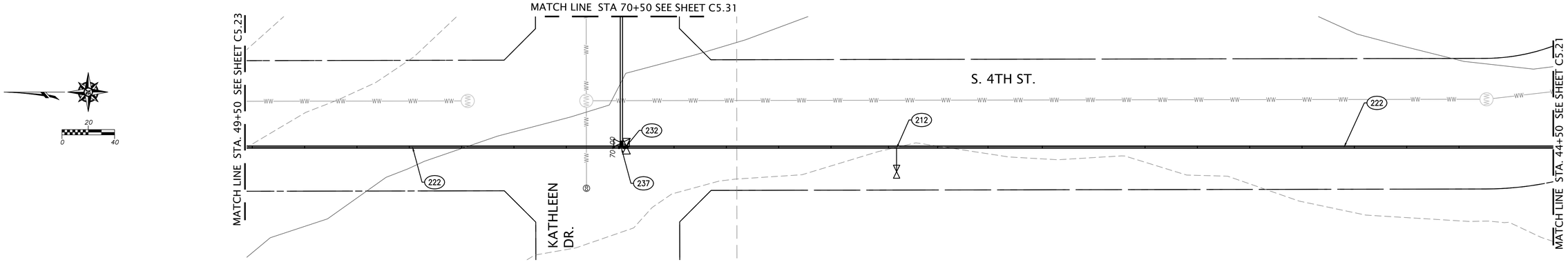

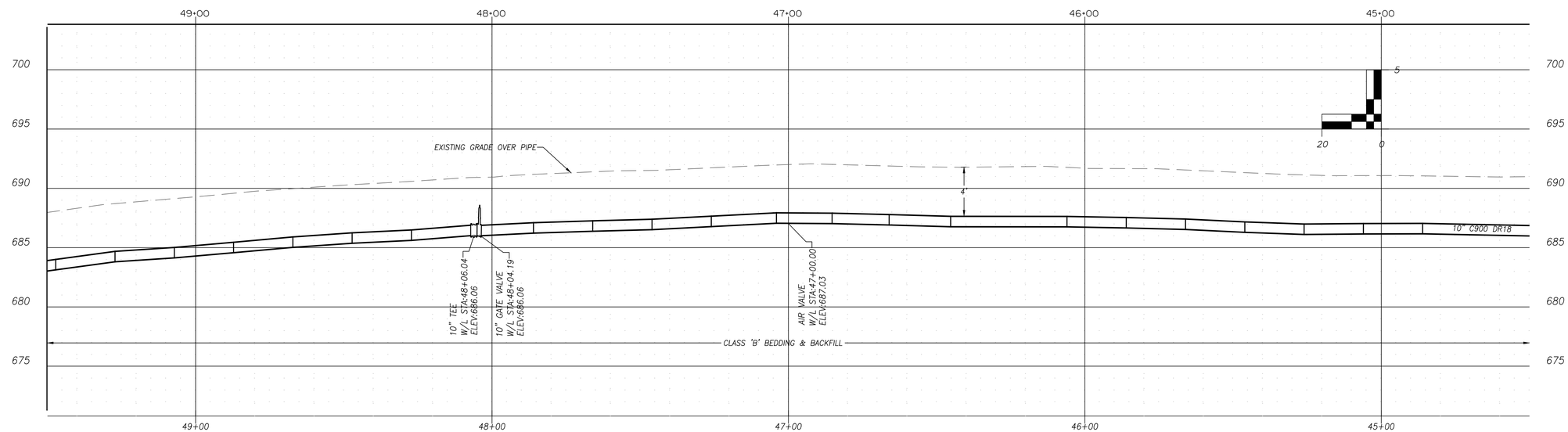

4TH STREET WATERLINE PROFILE

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.

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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

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

Sheet No. C5.22

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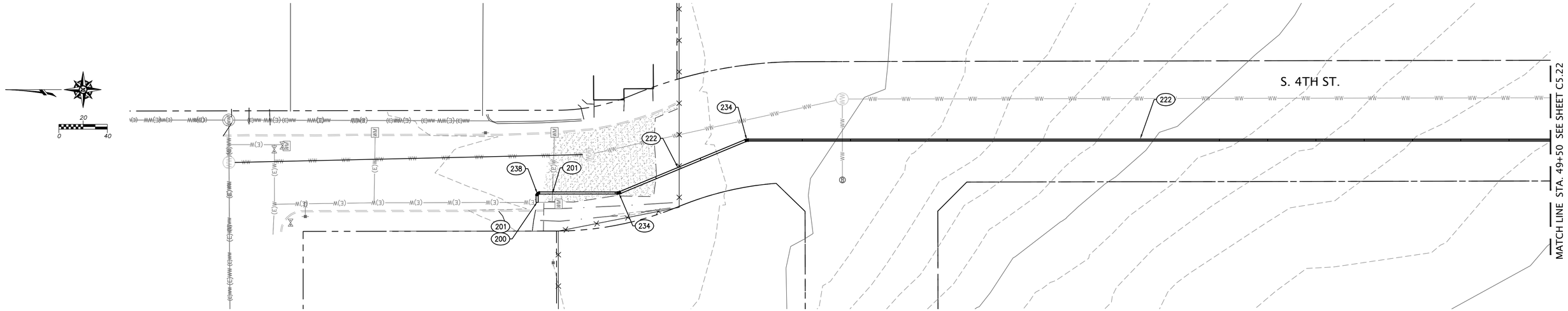


CONSTRUCTION NOTES:

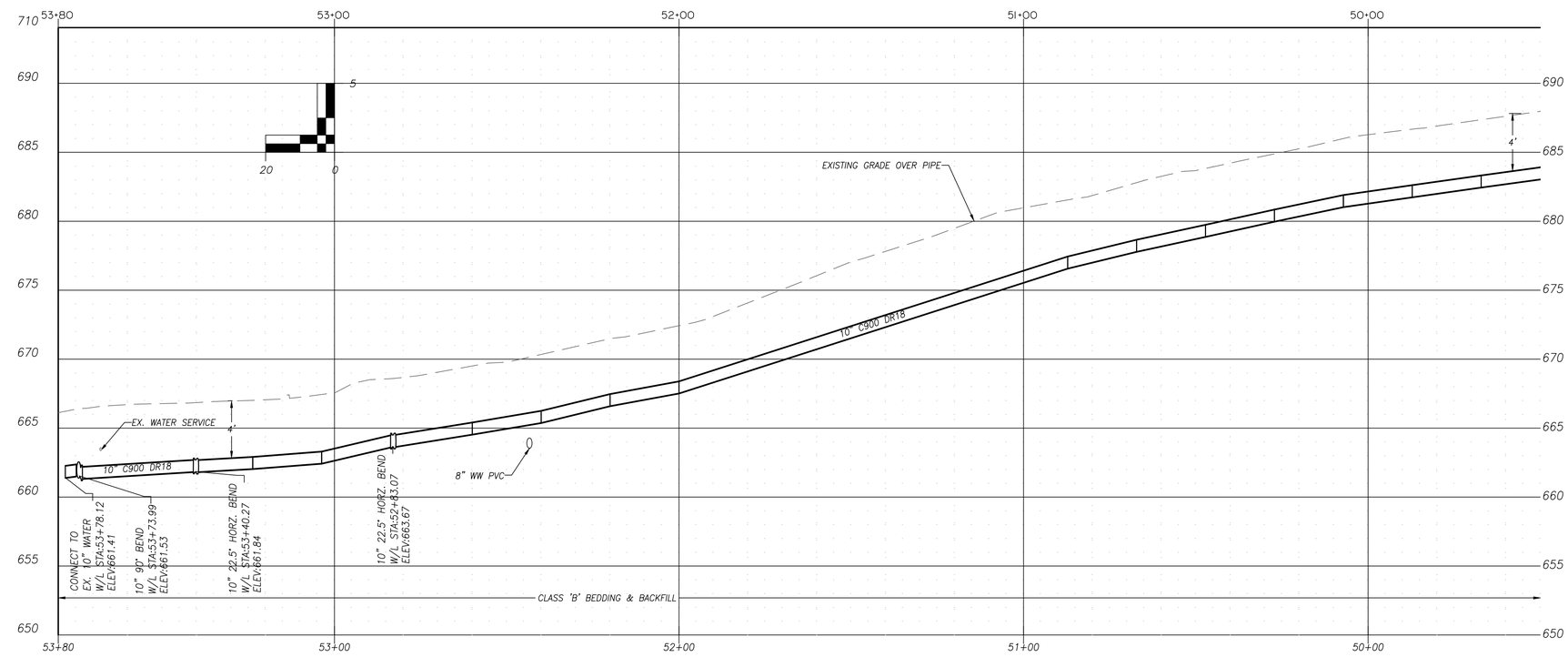
(200) CITY OF COTTAGE GROVE PUBLIC WORKS TO MAKE FINAL CONNECTION TO EXISTING WATER LINE WITH HOT TAP WITH GATE VALVE. CONTRACTOR TO COORDINATE WORK WITH CITY.

(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.



4TH STREET WATERLINE PROFILE

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

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EXPIRES: JUNE 30, 2025

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REVISIONS:

No.	DESCRIPTION	DATE

CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

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

Sheet No. C5.23

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

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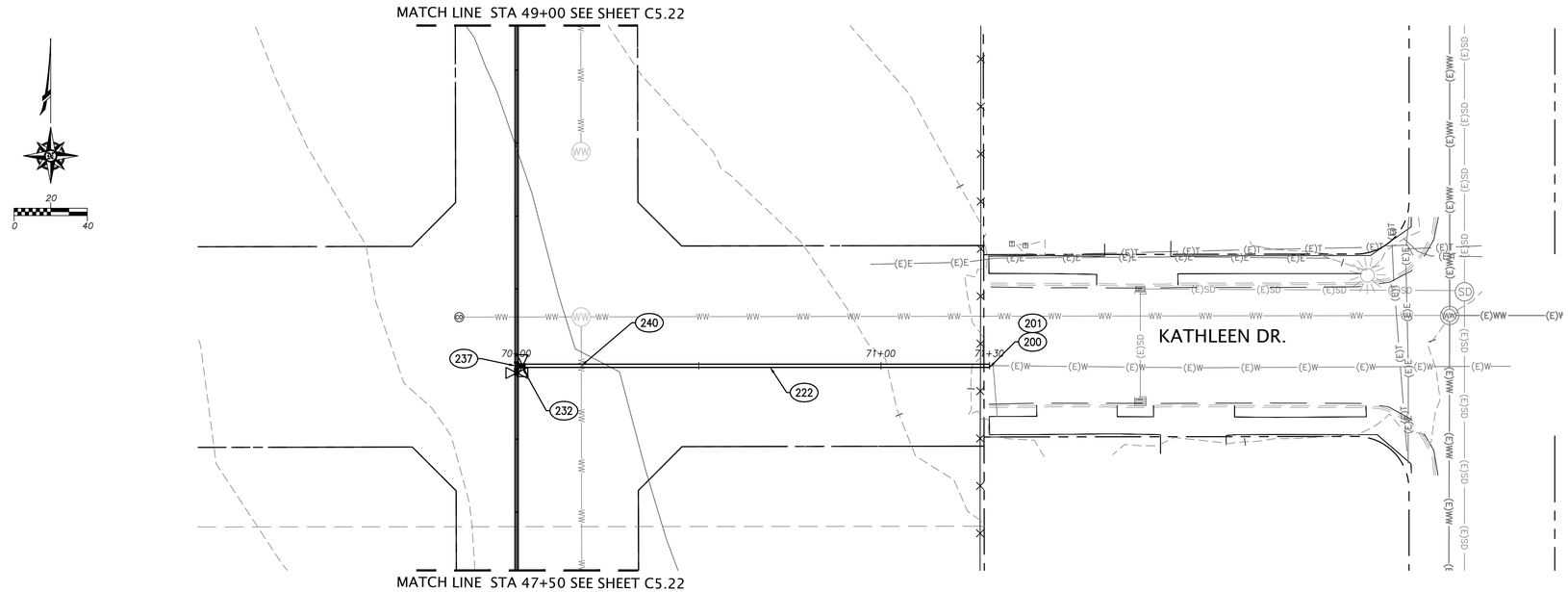

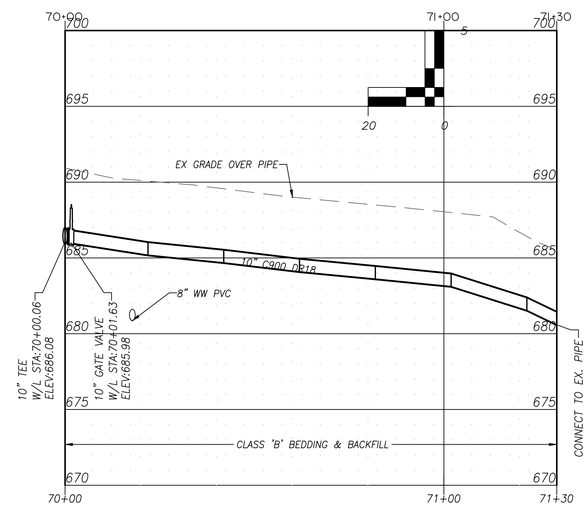

KATHLEEN DRIVE WATERLINE PROFILE

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 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.

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.

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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

REVISIONS:

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

DRAWN BY:	CHECKED BY:	DATE:
JAD/VJ	NP	12/12/2024

JOB No. 23-001C

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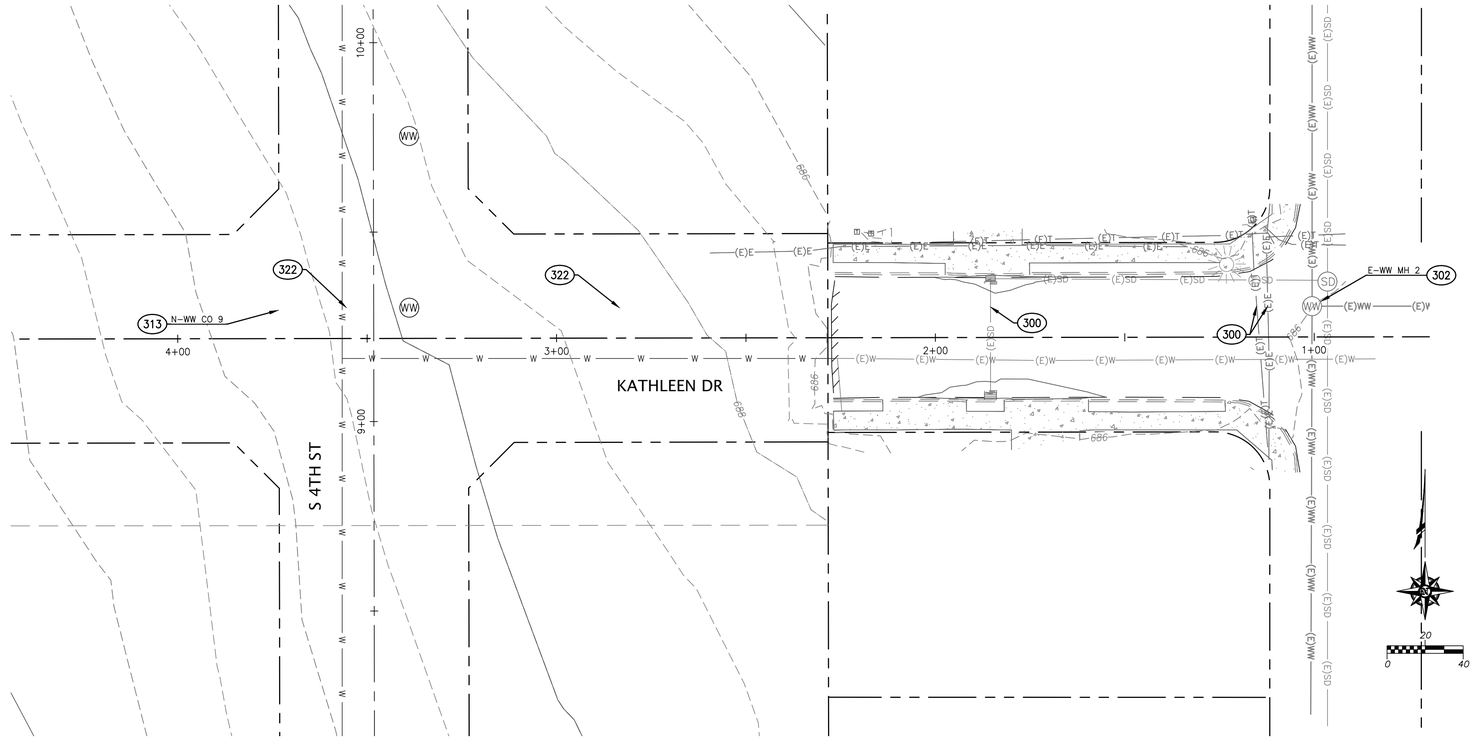
CONSTRUCTION NOTES:

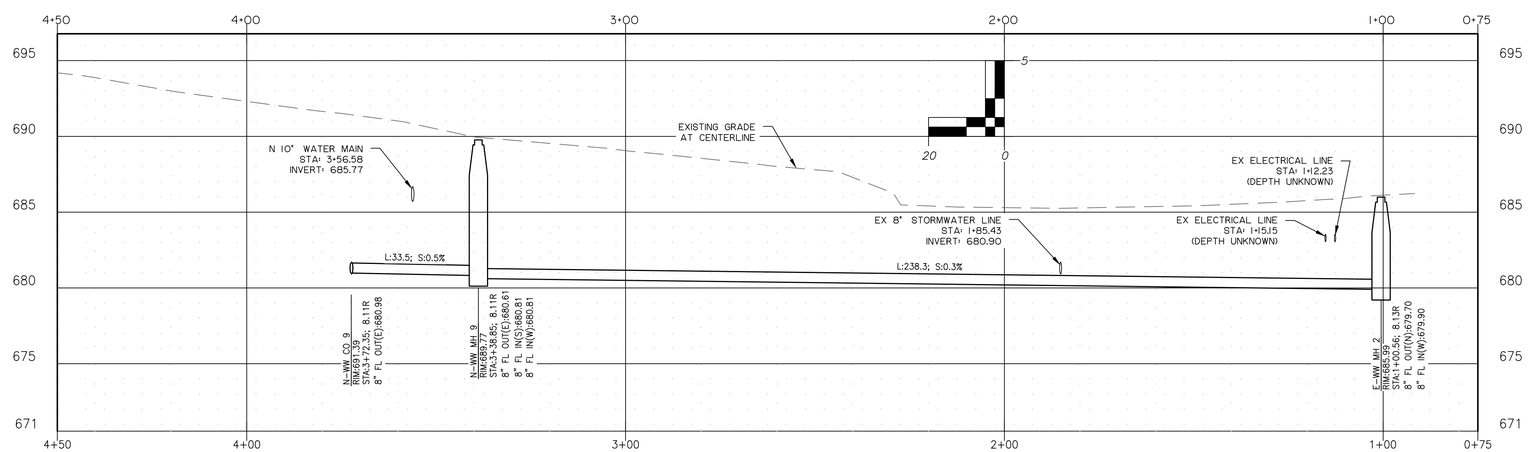
300 POTHOLE EXISTING UTILITY AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES. COORDINATE WITH UTILITY COMPANY IF ADJUSTMENTS ARE REQUIRED

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





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REVISIONS:

No.	DESCRIPTION	DATE

CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

SANITARY SEWER PLAN AND PROFILE
KATHLEEN DR. STA. 0+50 TO 4+00

Sheet No. C4.31

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

JOB No. 23-001C

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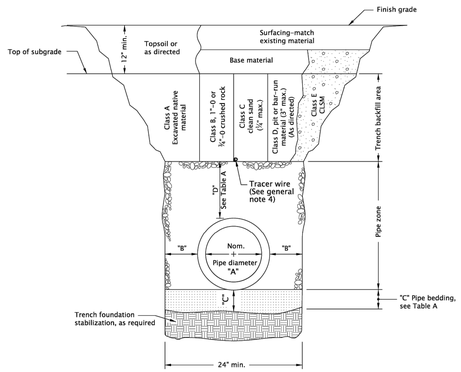
20-JUL-2020

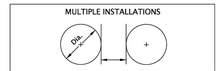
RD300.dgn

TABLE A

"A" (in)	"B" (in)	"C" (in)	"D" (in)
4	10	4	8
6	10	4	8
8	10	6	10
10	10	6	10
12	12	6	10
15	12	6	10
18	16	6	12
21	16	6	12
24	18	6	12
30	18	6	12
36	24	6	14
42	24	6	14
48	24	6	14
54	24	6	14
60	24	6	14
66	24	6	14
72	24	6	14

For pipes over 72" diameter, see general note 3.





DIAMETER	MIN. SPACE BETWEEN PIPES
Up to 48"	24"
48" to 72"	One half (½) dia. of pipe

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 ≥ 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

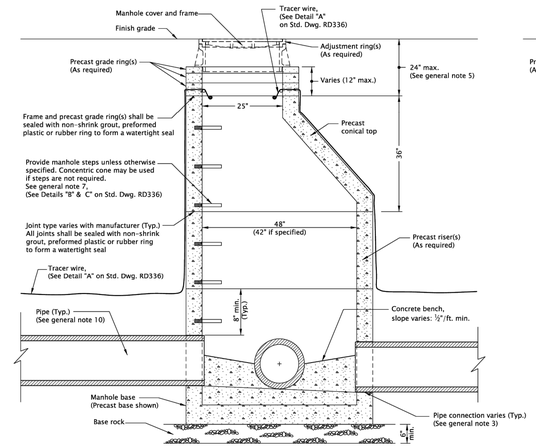
DATE	REVISION DESCRIPTION

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

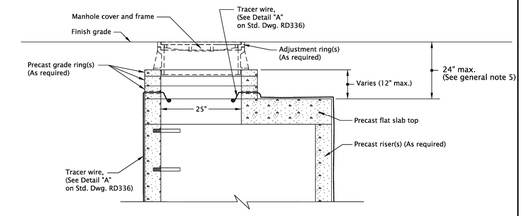
Effective Date: December 1, 2024 - May 31, 2025

20-JUL-2020

RD335.dgn



MANHOLE WITH PRECAST CONICAL TOP



MANHOLE WITH PRECAST FLAT SLAB TOP

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. All precast products shall conform to requirements of ASTM C478.
2. Standard precast manhole section diameter shall be 48". Use 42" if specified by the Engineer.
3. See Std. Dwg. RD345 for pipe to manhole connections.
4. See Std. Dwg. RD344 for manhole base section.
5. Adjust 24" maximum.
6. All connecting pipes shall have a tracer wire, or approved alternate.
7. See Std. Dwg. RD336 for manhole steps.
8. See Std. Dwg. RD336 for details not shown.
9. See Std. Dwg. RD356 for manhole covers and frames, manhole adjustment rings, etc.
10. Max. pipe diameter varies with pipe material.
11. See Std. Dwg. RD342 for shallow manholes.
12. Location, elevation, diameter, slope, and number of pipe(s) 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.

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

OREGON STANDARD DRAWINGS

STANDARD STORM SEWER MANHOLE

2024

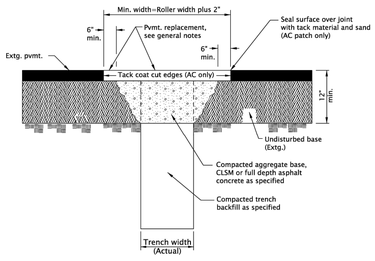
DATE	REVISION DESCRIPTION

CALC. BOOK NO. _ _ _ N/A _ _ _ SDR DATE 21-JUN-2019 **RD335**

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

20-JUL-2020

RD302.dgn



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. All existing AC or PCC pavement shall be sawcut prior to repaving.
2. Concrete pavement shall be replaced with concrete to a minimum thickness of 8" or to the thickness of removed pavement, whichever is greater.
3. For joining new concrete to existing concrete, see contract plans for sepecific details.
4. Place AC mix minimum thkn. of 6" or the thkn. of the removed pavement, whichever is greater. Compact as specified.

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

STREET CUT

2024

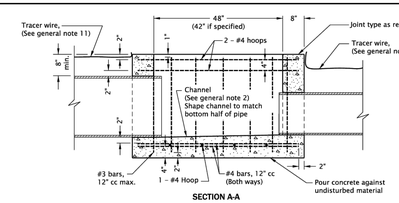
DATE	REVISION DESCRIPTION

CALC. BOOK NO. _ _ _ N/A _ _ _ SDR DATE 20-JUL-2020 **RD302**

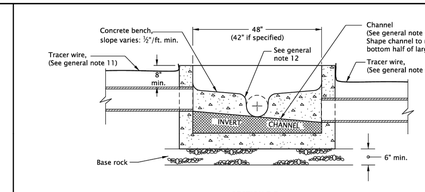
Effective Date: December 1, 2024 - May 31, 2025

20-JUL-2020

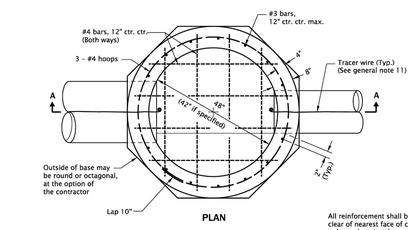
RD344.dgn



SECTION A-A



SECTION B-B

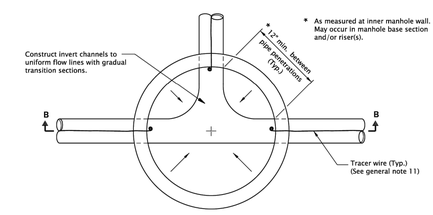


PLAN

All reinforcement shall be 2" clear of nearest face of conc., unless otherwise shown.

CAST IN PLACE MANHOLE BASE

(For invert channel details, see precast option at right)



* As measured at inner manhole wall. May occur in manhole base section and/or riser(s).

PLAN

PRECAST MANHOLE BASE

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. All concrete shall be commercial grade concrete.
2. Channels shall be constructed to provide smooth slopes and radii to outlet pipe.
3. Bases may be precast or cast in place.
4. Max. pipe diameter varies with pipe material.
5. Use on 42" and 48" diameter manhole.
6. Extend pipe into manhole and grout smooth. Pipe(s) may extend 2" max. beyond the interior manhole wall.
7. Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.
8. All precast products shall conform to the requirements of ASTM C478.
9. See Std. Dwg. RD345 for pipe to manhole connections.
10. See Std. Dwg. RD336 for manhole steps details.
11. See Std. Dwg. RD336 for tracer wire details.
12. At spring line of pipe, extend channel up to crown line on 12:1 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.

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

OREGON STANDARD DRAWINGS

STANDARD MANHOLE BASE SECTION

2024

DATE	REVISION DESCRIPTION

CALC. BOOK NO. _ _ _ N/A _ _ _ SDR DATE 14-JUL-2014 **RD344**

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

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

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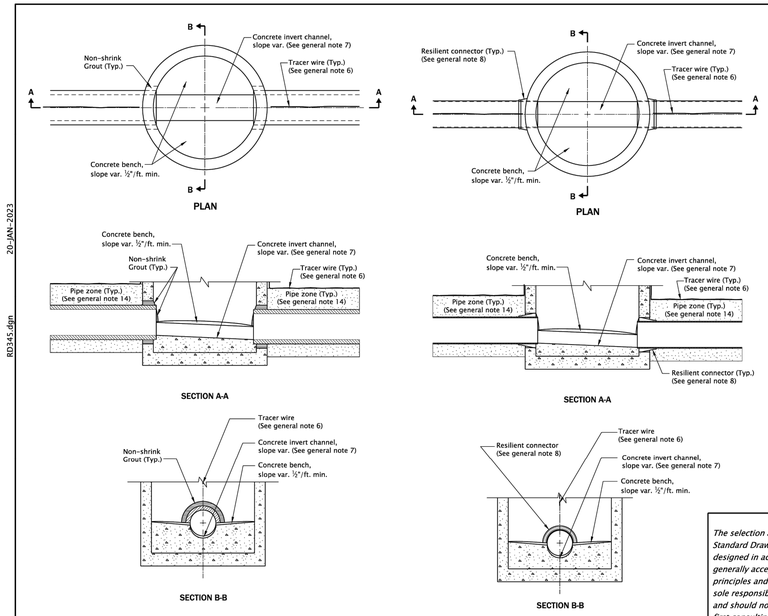
RD345.dgn 20-JAN-2023



CONNECTION OF RIGID PIPE TO MANHOLE

CONNECTION OF FLEXIBLE PIPE TO MANHOLE

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. *All precast sections shall conform to requirements of ASTM C478.*
2. *Manhole base sections may be precast or cast-in-place.*
3. *All concrete shall be commercial grade concrete.*
4. *Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.*
5. *Maximum pipe diameter varies with pipe material.*
6. *All connecting pipes shall have a tracer wire, or approved alternate. See Std. Dwg. RD336 for tracer wire details.*
7. *Invert channels shall be constructed to provide smooth slopes and radii to outlet pipe.*
8. *When flexible pipe is used, install resilient connectors conforming to requirements of ASTM C923.*
9. *See Std. Dwgs. RD335, RD336, and RD338 for details not shown.*
10. *See Std. Dwg. RD336 for manhole steps details.*
11. *See Std. Dwg. RD342 for shallow manholes.*
12. *See Std. Dwg. RD344 for manhole base section.*
13. *See Std. Dwg. RD356 for manhole covers and frames, manhole adjustment rings, etc.*
14. *Pipe zone varies, see Std. Dwg. RD300.*

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

PIPE TO MANHOLE CONNECTIONS

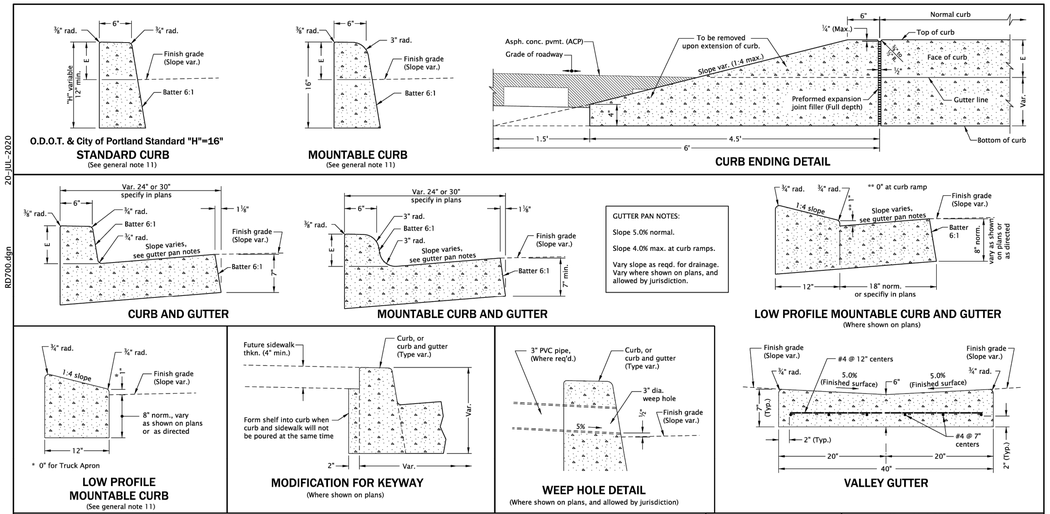
2024

DATE	REVISION DESCRIPTION
01-2023	REVISED DETAILS AND NOTES

CALC. BOOK NO. ___ N/A ___ SDR DATE 20-JAN-2023 **RD345**

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

20-JUL-2020 RD700.dgn



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Curb exposure "E" = 6" to 9", as measured vertically from flowline to highest point on curb. Vary as shown on plans or as directed. O.D.O.T standard "E"=7".
2. Const. curb expansion joints at 200' maximum spacing, and at points of tangency, and at ends of each driveways.
3. Const. curb contraction joints at 15' maximum spacing, and at ends of each inlet and curb ramp.
4. Transitions shall be used to connect curbs of different exposures "E". ("E" Is the total vertical dimension of those curb surfaces having a slope of 1:1 or steeper). Minimum desirable transition length shall be 20' for each 1" difference in "E".
5. Tops of all curbs shall slope toward the roadway at 1.5% max. (Max. 2.0% finished surface slope), unless otherwise shown, or as directed.
6. Dimensions are nominal, vary to conform with curb machine approved by the engineer.
7. Dimensions adjacent to radii are measured to the point of intersection of curb surfaces.
8. For sidewalk details, and monolithic curb & sidewalk, see Std. Dwgs. RD720 & RD721.
9. For drainage curbs, see Std. Dwg. RD701.
10. For curb ramp details, see Std. Dwgs. RD900 series.
11. On or along state highways, curb and gutter is required at curb ramp.

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

CURBS

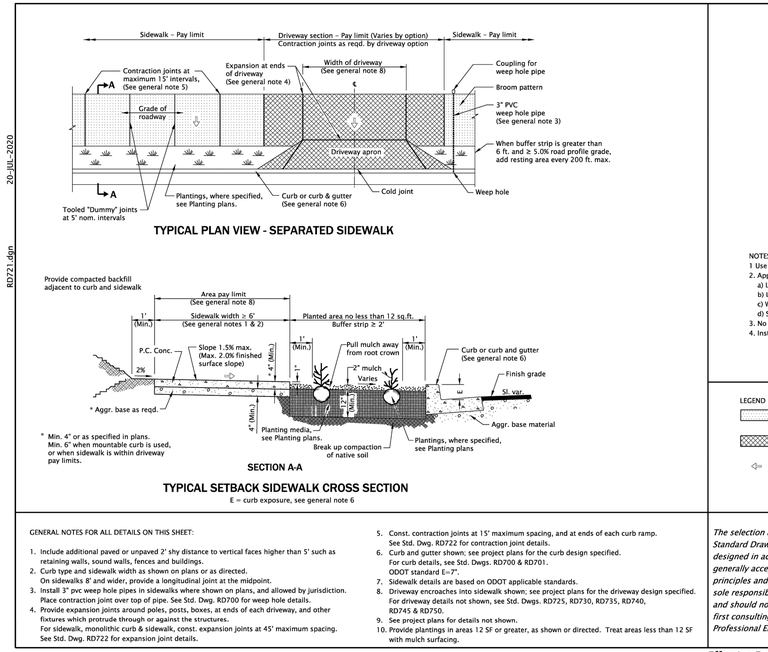
2024

DATE	REVISION DESCRIPTION

CALC. BOOK NO. ___ N/A ___ SDR DATE 20-JUL-2020 **RD700**

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

RD721.dgn 20-JUL-2020



NOTES:
1 Use softscape materials allowed by jurisdiction.
2. Approved softscape materials:
a) Loose, durable round rock 2"-4"in diameter
b) Lava rock 2"-4"diameter
c) Wood chips/bark mulch
d) Sand
3. No crushed aggregate or pea gravel allowed.
4. Install softscape material flush with the top of sidewalk.

LEGEND
Sidewalk pay limit.
Driveway pay limit, varies by option, (See general note 8).
Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Include additional paved or unpaved 2' shy distance to vertical faces higher than 5' such as retaining walls, sound walls, fences and buildings.
2. Curb type and sidewalk width as shown on plans or as directed. On sidewalks 8' and wider, provide a longitudinal joint at the midpoint.
3. Install 3" pvc weep hole pipes in sidewalks where shown on plans, and allowed by jurisdiction. Place contraction joint over top of pipe. See Std. Dwg. RD700 for weep hole details.
4. Provide expansion joints around poles, posts, boxes, at ends of each driveway, and other fixtures which protrude through or against the structures. For sidewalk, monolithic curb & sidewalk, const. expansion joints at 45' maximum spacing. See Std. Dwg. RD722 for expansion joint details.
5. Const. contraction joints at 15' maximum spacing, and at ends of each curb ramp. See Std. Dwg. RD722 for contraction joint details.
6. Curb and gutter shown; see project plans for the curb design specified. For curb details, see Std. Dwgs. RD700 & RD701. ODOT standard E=7".
7. Sidewalk details are based on ODOT applicable standards.
8. Driveway encroaches into sidewalk shown; see project plans for the driveway design specified. For driveway details not shown, see Std. Dwgs. RD725, RD730, RD735, RD740, RD745 & RD750.
9. See project plans for details not shown.
10. Provide plantings in areas 12 SF or greater, as shown or directed. Treat areas less than 12 SF with mulch surfacing.

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

SEPARATED SIDEWALKS

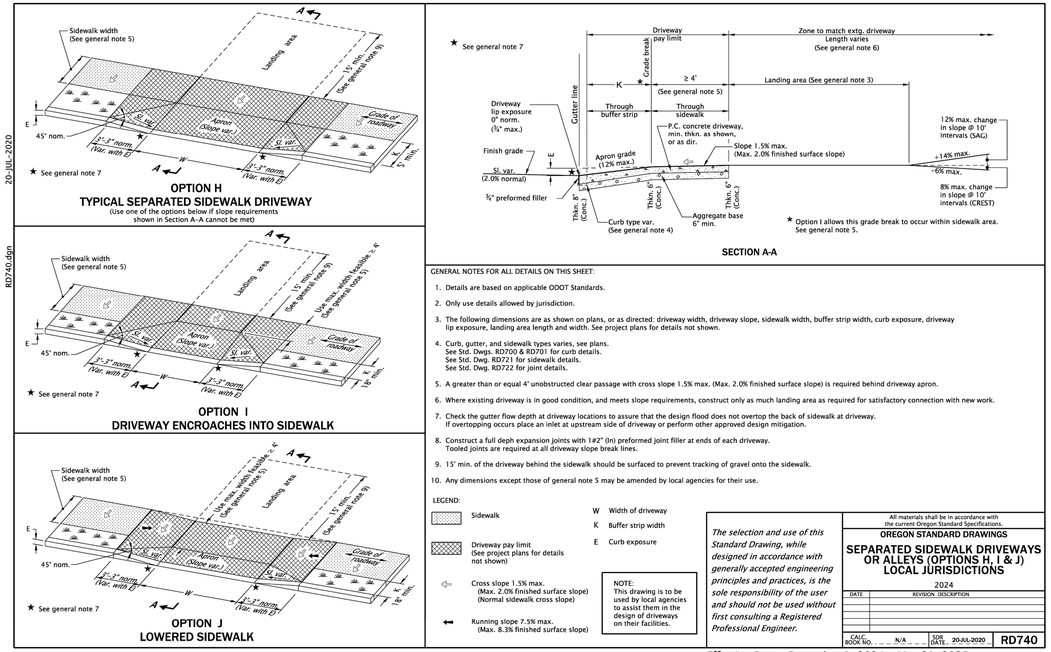
2024

DATE	REVISION DESCRIPTION

CALC. BOOK NO. ___ N/A ___ SDR DATE 20-JUL-2020 **RD721**

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

RD740.dgn 20-JUL-2020



GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Details are based on applicable ODOT Standards.
2. Only use details allowed by jurisdiction.
3. The following dimensions are as shown on plans, or as directed: driveway width, driveway slope, sidewalk width, buffer strip width, curb exposure, driveway lip exposure, landing area length and width. See project plans for details not shown.
4. Curb, gutter, and sidewalk types varies, see plans. See Std. Dwgs. RD700 & RD701 for curb details. See Std. Dwg. RD721 for sidewalk details. See Std. Dwg. RD722 for joint details.
5. A greater than or equal 4' unobstructed clear passage with cross slope 1.5% max. (Max. 2.0% finished surface slope) is required behind driveway apron.
6. Where existing driveway is in good condition, and meets slope requirements, construct only as much landing area as required for satisfactory connection with new work.
7. Check the gutter flow depth at driveway locations to assure that the design flood does not overtop the back of sidewalk at driveway. If overtopping occurs place an inlet at upstream side of driveway or perform other approved design mitigation.
8. Construct a full deph expansion joints with 1#2" (In) preformed joint filler at ends of each driveway. Tooled joints are required at all driveway slope break lines.
9. 15' min. of the driveway behind the sidewalk should be surfaced to prevent tracking of gravel onto the sidewalk.
10. Any dimensions except those of general note 5 may be amended by local agencies for their use.

LEGEND:
Sidewalk
Driveway pay limit (See project plans for details not shown)
Cross slope 1.5% max. (Max. 2.0% finished surface slope) (Normal sidewalk cross slope)
Running slope 7.5% max. (Max. 8.3% finished surface slope)
W Width of driveway
K Buffer strip width
E Curb exposure

NOTE:
This drawing is to be used by local agencies to assist them in the design of driveways on their facilities.

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

SEPARATED SIDEWALK DRIVEWAYS OR ALLEYS (OPTIONS H, I & J) LOCAL JURISDICTIONS

2024

DATE	REVISION DESCRIPTION

CALC. BOOK NO. ___ N/A ___ SDR DATE 20-JUL-2020 **RD740**

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

Branch ENGINEERING Inc. Since 1977
civil • transportation
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Springfield, OR 97477
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REGISTERED PROFESSIONAL ENGINEER #62780PE DIGITALLY SIGNED OREGON JULY 13, 2018 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 2

Sheet No. **C6.02**

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

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

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 EAGEL WATER HDPE DIPS PIPE OR EQUAL- DR 11 ANSI/AWWA C906, ASTM F714, ASTM D3035, ASTM D3350 CELL CLASS 445574C/E, PPI (TR-4) PE 4710, ANSI/NSF 61/14

WATER SERVICE PIPES
- COPPER PIPE STANDARD: 3/4" OR 1" TYPE "K" COPPER 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 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 (A6000485) WITH A6000484-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 A6001640PCX18 BOX (17" X 30" X 18" WITH SINGLE TOP MOUNT AMR/AMI COVER/LID); DFW PLASTICS DFW1730C4-18 BODY WITH DFW 1730C-4MPPT LID WITH AMR PAD AND HOLE.

METER BOXES, 1-1/2" OR 2" SERVICES WITHOUT METER SETTER: ARMORCAST A6001640PCX12 BOX (17" X 30" 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 (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

REVISIONS			DESIGN: ENG. DEPT.
NO.	DATE	BY	DRAWN: CDN
4	5/30/02	RKB	CHECKED:
5	9/1/03	SEH	APPROVED BY:
6	4/17/13	SEH	
7	5/4/22	RKB	
8	11/23/22	RKB	CITY ENGINEER
			DATE:

CITY OF COTTAGE GROVE

STANDARD MATERIALS LIST FOR WATER

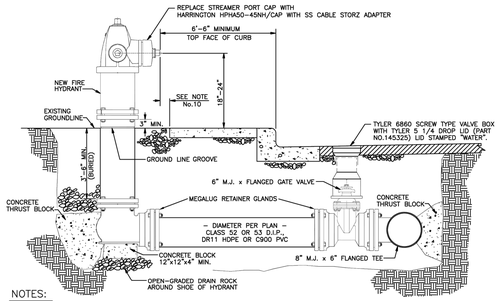
NO. **400**

ADOPTED

DATE:

SHEET OF

HYDRANT



NOTES:

1. FIRE HYDRANT SHALL CONFORM TO AWWA C502-18 AND SHALL BE KENNEDY "GUARDIAN" OR MEULLER "CENTURIAN". FIRE HYFRANT SHALL BE MECHANICAL JOINT UNLESS OTHERWISE NOTED ON THE PLAN AND APPROVED BY THE ENGINEER.
2. GATE VALVE SHALL BE RESILIENT SEAT, NON-RISING STEM CONFORMING TO AWWA C509-15 AND SHALL BE MUELLER, KENNEDY OR AMERICAN FLOW CONTROL.
3. 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).
4. 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.
5. PROVIDE 6 MIL. POLYETHYLENE SHEETING BETWEEN FITTINGS AND CONCRETE. LEAVE HYDRANT WEEP HOLES OPEN.
6. 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.
7. DRAIN ROCK SHALL BE 1" OPEN GRADED AND SHALL BE PLACED TO A POINT 6" ABOVE THE HYDRANT DRAIN.
8. EXTENSIONS (SPOOLS) FOR FIRE HYDRANT HEIGHT ADJUSTMENT WILL NOT BE PERMITTED.
9. WHERE NO SIDEWALK IS INSTALLED, THE CONTRACTOR SHALL INSTALL THE HYDRANT SO THAT THE STEAMER PORT IS 6 FEET FROM THE FACE OF CURB.
10. WHERE SIDEWALK IS GREATER THAN 5' WIDE, THE CONTRACTOR SHALL INSTALL NEW FIRE HYDRANT 1'-0" BEHIND BACK OF WALK.
11. REPLACE STEAMER PORT CAP WITH A HARRIGTON HPHA50-45NH/CAP ADAPTER AND STAINLESS STEEL CABLE. 1'-0" BEHIND BACK OF WALK.

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1	8/22/00	CDN	CHECKED:
2	5/30/02	RKB	APPROVED BY:
3	11/17/03	SEH	
4	01/02/18	RWS	
5	11/08/22	RKB	CITY ENGINEER
			DATE:

CITY OF COTTAGE GROVE

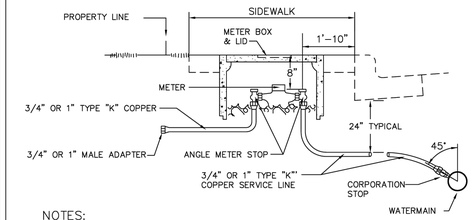
FIRE HYDRANT ASSEMBLY

NO. **401**

ADOPTED

DATE:

SHEET OF



NOTES:

1. 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".
2. 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.
3. WATER SERVICE LINE SHALL BE 3/4" OR 1" TYPE "K" SOFT COPPER PIPING CONFORMING TO ASTM B-88.
4. 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"
5. BACKFILL IN METER BOX SHALL BE 3/4"-0 CRUSHED ROCK TO THE BOTTOM OF THE METER.
6. 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.
7. CITY SHALL INSTALL WATER METER, CHECK VALVE, AND SUPPLY LINE TO BACK PROPOSED OR EXISTING SIDEWALK.
8. SPACING BETWEEN OUTSIDE EDGES OF METER BOXES SHALL BE SIX (6) INCHES MINIMUM.

REVISIONS			DESIGN: ENG. DEPT
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1	3-14-01	SEH	CHECKED:
2	11/18/03	SEH	APPROVED BY:
			CITY ENGINEER
			DATE:

CITY OF COTTAGE GROVE

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

NO. **403A**

ADOPTED

DATE:

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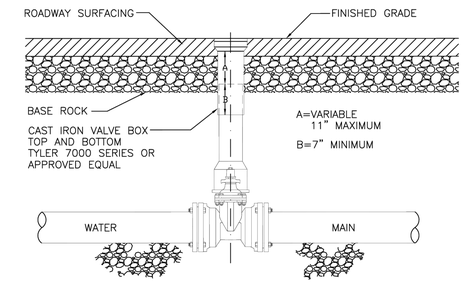

VALVE BOX

LID MARKINGS

SECTION

DROP-IN LID

NOTES:

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

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			CHECKED: RKB
			APPROVED BY:
			CITY ENGINEER
			DATE:

CITY OF COTTAGE GROVE

WATER VALVE BOX

NO. **408**

ADOPTED

DATE:

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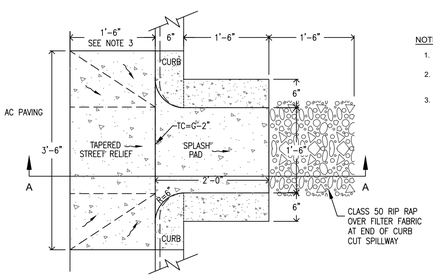
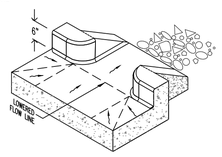


PLAN

NOTES:

1. Concrete splash pad necessary where water enters and/or exits facility.
2. For stormwater facilities, install class 50 Rip Rap 12" deep & extend 2' into facility to transition splash pad to topsoil.
3. Reference ODOT Standard Drawing RD 700. Use 1'-6" wide gutter, typical.



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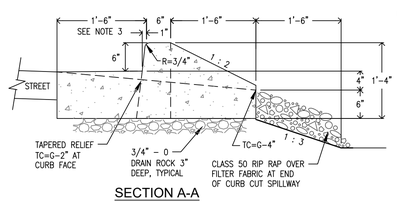


SECTION A-A

1 CURB CUT SPILLWAY AT RAIN GARDENS

SCALE: NONE

Oldcastle Precast®

Water

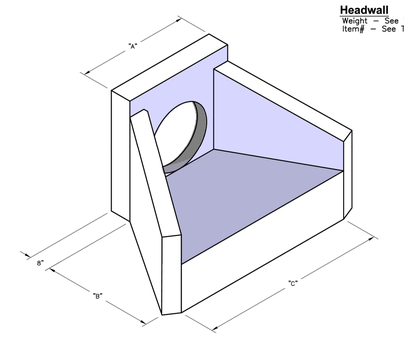
18", 24", 30" Headwall

Model: HEADWALL

2 CONCRETE HEADWALL (1)

SCALE: NONE

Headwall
Weight – See Table
Item# – See Table



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Oldcastle Precast®

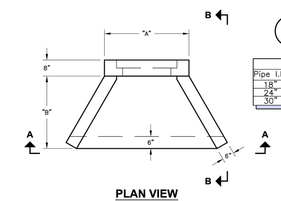
Water

18", 24", 30" Headwall

Model: HEADWALL

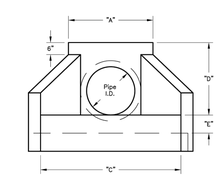
3 CONCRETE HEADWALL (2)

SCALE: NONE

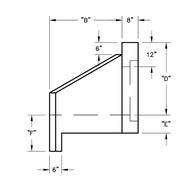


PLAN VIEW

Headwall Dimensions									
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"	29"	4000 Lbs.	1221040
30"	49"	60"	111"	41"	7"	16"	27"	4965 Lbs.	1221060



ELEVATION A-A



ELEVATION B-B

SPECIFICATIONS:
1. Concrete: Class "C" with design strength of 5000 PSI at 28 days.
2. Steel reinforcement: ASTM A-615 Grade 60 or ASTM A-497 Welded wire fabric.
3. Loading: Designed for H20 Loading.
4. C.I. Castings: ASTM A48, Class 30/35.
5. All exposed Corners shall be Chamfered 3/4".

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REGISTERED PROFESSIONAL ENGINEER #62780PE
DIGITALLY SIGNED
OREGON
JULY 13, 2006
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:	*CHECKED BY:*	*DATE:*
MBW		12/12/2024

JOB No. 23-001C

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

WATER DISTRIBUTION PIPES
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- 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
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WATER SERVICE PIPES
- COPPER PIPE STANDARD: 3/4" OR 1" TYPE "K" COPPER
  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 F2263

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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.

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

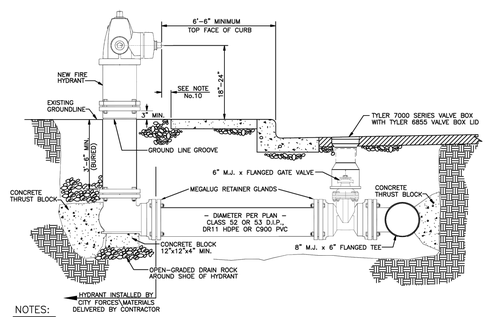
REVISIONS			DESIGN: ENG. DEPT.
NO.	DATE	BY	DRAWN: CDN
4	5/30/02	RKB	CHECKED:
5	9/1/03	SEH	APPROVED BY:
6	4/17/13	SEH	
7	5/4/22	RKB	
8	11/23/22	RKB	CITY ENGINEER
			DATE:

CITY OF COTTAGE GROVE

STANDARD MATERIALS LIST FOR WATER

NO. **400** ADOPTED DATE: SHEET OF

HYDRANT



NOTES:

1. FIRE HYDRANT SHALL CONFORM TO AWWA G 502–80 AND SHALL BE KENNEDY "GUARDIAN" OR MEULLER "CENTURIAN", FIRE HYFRANT SHALL BE MECHANICAL JOINT UNLESS OTHERWISE NOTED ON THE PLAN AND APPROVED BY THE ENGINEER.
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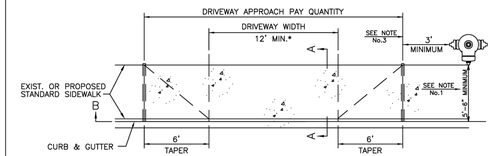
4. THRUST BLOCK AT MF TEE SHALL BE PLACED PER CITY STANDARD DRAWING FOR THRUST BLOCKS UNLESS OTHERWISE NOTED ON THE PLAN AND APPROVED BY THE CITY ENGINEER.
5. PROVIDE 6 MIL. POLYETHYLENE SHEETING BETWEEN FITTINGS AND CONCRETE. LEAVE HYDRANT WEEP HOLES OPEN.
6. FIRE HYDRANT SHALL BE BACKFILLED WITH 3/4"–0 CRUSHED ROCK CONFORMING TO SECTION 00641 OF THE OREGON STANDARD SPECIFICATIONS FOR CONSRTUCTION, 2002 AND SHALL BE COMPACTED TO 95% MAXIMUM DENSITY.
7. DRAIN ROCK SHALL BE 1" OPEN GRADED AND SHALL BE PLACED TO A POINT 6" ABOVE THE HYDRANT DRAIN.
8. EXTENSIONS (SPOOLS) FOR FIRE HYDRANT HEIGHT ADJUSTMENT WILL NOT BE PERMITTED.
9. WHERE NO SIDEWALK IS INSTALLED, THE CONTRACTOR SHALL INSTALL THE HYDRANT SO THAT THE STEAMER PORT IS 6 FEET FROM THE FACE OF CURB.
10. WHERE SIDEWALK IS GREATER THAN 5' WIDE, THE CONTRACTOR SHALL INSTALL NEW FIRE HYDRANT 1'–0" BEHIND BACK OF WALK.

REVISIONS			DESIGN: ENG. DEPT.
NO.	DATE	BY	DRAWN: CDN
1	8/22/00	CDN	CHECKED:
2	5/30/02	RKB	APPROVED BY:
3	11/17/03	SEH	
4	01/02/18	RWS	
			CITY ENGINEER
			DATE:

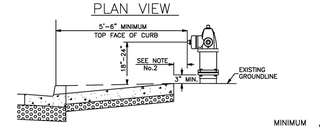
CITY OF COTTAGE GROVE

FIRE HYDRANT ASSEMBLY

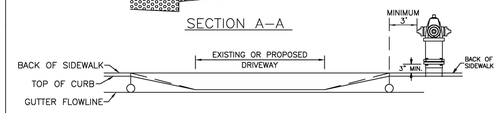
NO. **401** ADOPTED DATE: SHEET OF



PLAN VIEW



SECTION A–A



SECTION B–B

NOTES:

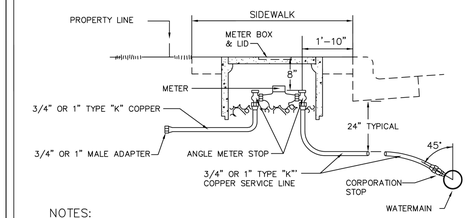
1. THE FIRE HYDRANT SHALL BE PLACED SUCH THAT THE FRONT PORT IS FLUSH WITH THE BACK OF SIDEWALK.
2. THE DISTANCE BETWEEN THE BOTTOM BREAKAWAY FLANGE AND TOP OF SIDEWALK SHALL BE 3 INCHES.
3. THE DISTANCE BETWEEN THE TOP OF THE TAPER TO THE DISCHARGE PORT CAP SHALL BE A MINIMUM OF 3 FEET.

REVISIONS			DESIGN: ENG. DEPT.
NO.	DATE	BY	DRAWN: LJJ
1	08/16/04	LJJ	CHECKED:
			APPROVED BY:
			CITY ENGINEER
			DATE:

CITY OF COTTAGE GROVE

FIRE HYDRANT PLACEMENT
STANDARD SIDEWALK

NO. **401B** ADOPTED DATE: SHEET OF



NOTES:

1. 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".
2. 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.
3. WATER SERVICE LINE SHALL BE 3/4" OR 1" TYPE "K" SOFT COPPER PIPING CONFORMING TO ASTM B–88.
4. 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"
5. BACKFILL IN METER BOX SHALL BE 3/4"–0 CRUSHED ROCK TO THE BOTTOM OF THE METER.
6. 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.
7. CITY SHALL INSTALL WATER METER, CHECK VALVE, AND SUPPLY LINE TO BACK PROPOSED OR EXISTING SIDEWALK.
8. SPACING BETWEEN OUTSIDE EDGES OF METER BOXES SHALL BE SIX (6) INCHES MINIMUM.

REVISIONS			DESIGN: ENG. DEPT.
NO.	DATE	BY	DRAWN: CDN
1	3–14–01	SEH	CHECKED:
2	11/18/03	SEH	APPROVED BY:
			CITY ENGINEER
			DATE:

CITY OF COTTAGE GROVE

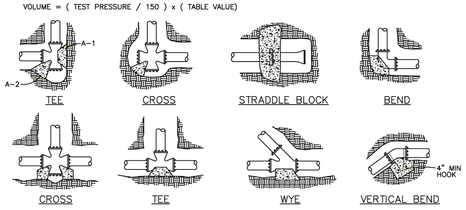
WATER SERVICE FOR 3/4" OR 1"
(MAINTENANCE DEPARTMENT)

NO. **403A** ADOPTED DATE: SHEET OF

(HORIZONTAL) BEARING AREA OF THRUST BLOCKS IN SQUARE FEET									(VERTICAL) VOLUME OF THRUST BLOCK IN CUBIC YARDS			
FITTING SIZE	TEE, WYE, DEAD END AND HYDRANT	STRADDLE BLOCK*	90° BEND PLUGGED CROSS	TEE PLUGGED ON RUN A–1	TEE PLUGGED ON RUN A–2	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	---	1.3	---	---	---
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	1.2	---
14	11.5	---	16.3	23.0	16.3	8.9	4.6	2.3	7.6	3.9	1.7	---
16	15.0	26.1	21.3	30.0	21.3	11.6	6.0	3.0	9.9	5.1	2.3	0.9
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:

1. 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)
2. 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)



NOTES:

1. CONCRETE BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
2. ALL CONCRETE TO BE CLASS 2400 MINIMUM.
3. INSTALL ISOLATION MATERIAL BETWEEN PIPE AND/OR FITTINGS BEFORE POURING CONCRETE BLOCKING.
4. CONCRETE SHALL BE KEPT CLEAR OF ALL JOINTS AND ACCESSORIES.
5. TIE RODS SHALL BE DEFORMED GALVANIZED COLD ROLLED STEEL, 40000 PSI TENSILE STRENGTH.

RODS FOR VERTICAL BENDS		
FITTING SIZE	ROD SIZE	EMBEDMENT
12" AND LESS	#6	30"
14"–16"	#8	36"

REVISIONS			DESIGN: ENG. DEPT.
NO.	DATE	BY	DRAWN: CDN
			CHECKED:
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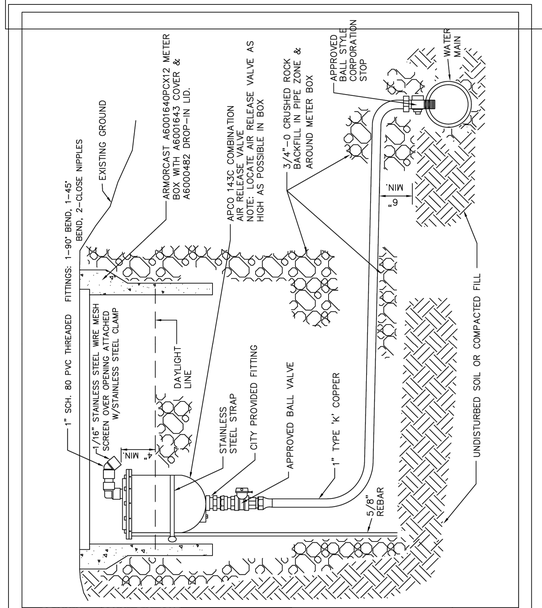
			CITY ENGINEER
			DATE:

CITY OF COTTAGE GROVE

THRUST BLOCKING

NO. **402** ADOPTED DATE: SHEET OF

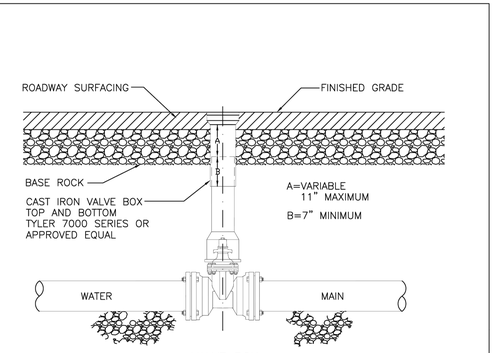


REVISIONS			DESIGN: ENG. DEPT.
NO.	DATE	BY	DRAWN: CDN
1	11/18/03	SEH	CHECKED:
			APPROVED BY:
			CITY ENGINEER
			DATE:

CITY OF COTTAGE GROVE

1" COMBINATION AIR RELEASE VALVE

NO. **406** ADOPTED DATE: SHEET OF



VALVE BOX

DROP–IN LID

NOTES:

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

REVISIONS			DESIGN: ENG. DEPT.
NO.	DATE	BY	DRAWN: SEH
			CHECKED: RKB
			APPROVED BY:
			CITY ENGINEER
			DATE:

CITY OF COTTAGE GROVE

WATER VALVE BOX

NO. **408** ADOPTED DATE: SHEET OF

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REGISTERED PROFESSIONAL ENGINEER #62780PE OREGON JULY 13, 2005 DAMIEN GILBERT
DIGITALLY SIGNED
EXPIRES: JUNE 30, 2025

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

REVISIONS:

No.	DESCRIPTION	DATE

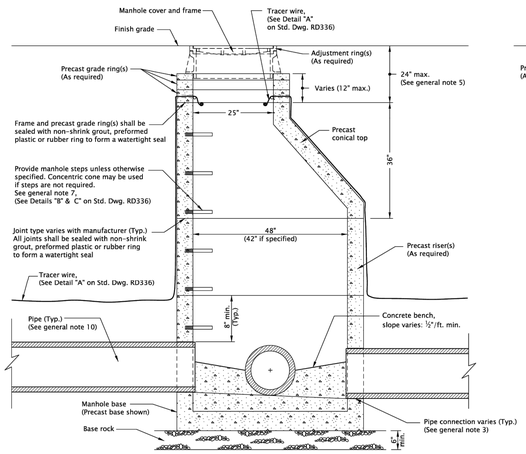
CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

DETAIL SHEET 4

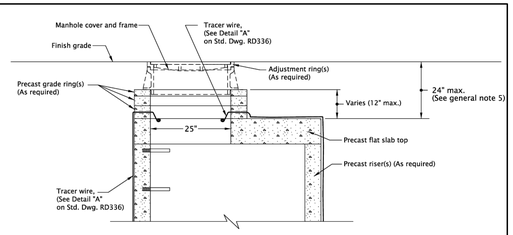
Sheet No. **C6.04**

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

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



MANHOLE WITH PRECAST CONICAL TOP



MANHOLE WITH PRECAST FLAT SLAB TOP

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. All precast products shall conform to requirements of ASTM C478.
2. Standard precast manhole section diameter shall be 48". Use 42" if specified by the Engineer.
3. See Std. Dwg. RD345 for pipe to manhole connections.
4. See Std. Dwg. RD344 for manhole base section.
5. Adjust 24" maximum.
6. All connecting pipes shall have a tracer wire, or approved alternate.
7. See Std. Dwg. RD336 for manhole steps.
8. See Std. Dwg. RD336 for details not shown.
9. See Std. Dwg. RD336 for manhole covers and frames, manhole adjustment rings, etc.
10. Max. pipe diameter varies with pipe material.
11. See Std. Dwg. RD342 for shallow manholes.
12. Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.
13. This detail limited to interior drop of 24". See Std. Dwgs. 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.

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

OREGON STANDARD DRAWINGS

STANDARD SANITARY SEWER MANHOLE

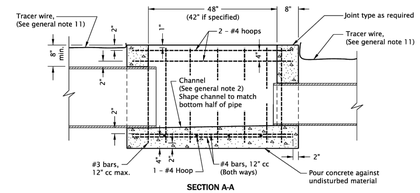
2024

DATE	REVISION DESCRIPTION

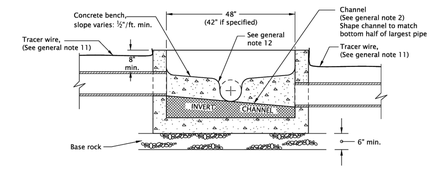
CALC BOOK NO. N/A | SDR DATE 25-JUN-2019 | **RD338**

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

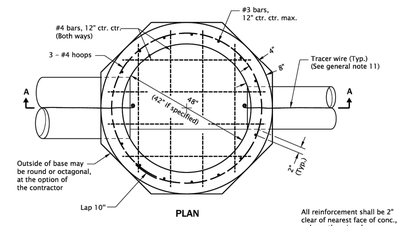
20-JUL-2020 RD338.dgn



SECTION A-A



SECTION B-B

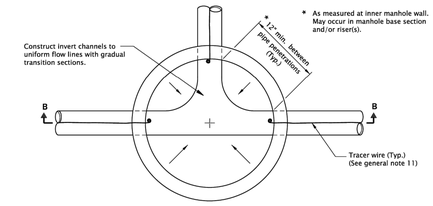


PLAN

All reinforcement shall be 2" clear of nearest face of conc., unless otherwise shown.

CAST IN PLACE MANHOLE BASE

(For invert channel details, see precast option at right)



* As measured at inner manhole wall. May occur in manhole base section and/or riser(s).

PLAN

PRECAST MANHOLE BASE

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. All concrete shall be commercial grade concrete.
2. Channels shall be constructed to provide smooth slopes and radii to outlet pipe.
3. Bases may be precast or cast in place.
4. Max. pipe diameter varies with pipe material.
5. Use on 42" and 48" diameter manhole.
6. Extend pipe into manhole and grout smooth. Pipe(s) may extend 2" max. beyond the interior manhole wall.
7. Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.
8. All precast products shall conform to the requirements of ASTM C478.
9. See Std. Dwg. RD345 for pipe to manhole connections.
10. See Std. Dwg. RD336 for manhole steps details.
11. See Std. Dwg. RD336 for tracer wire details.
12. At spring line of pipe, extend channel up to crown line on 12:1 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.

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

OREGON STANDARD DRAWINGS

STANDARD MANHOLE BASE SECTION

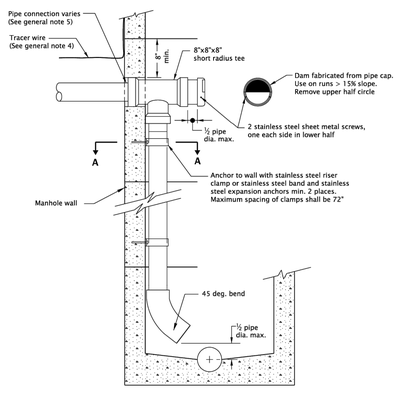
2024

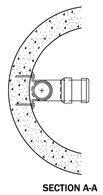
DATE	REVISION DESCRIPTION

CALC BOOK NO. N/A | SDR DATE 14-JUL-2014 | **RD344**

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

20-JUL-2020 RD344.dgn





SECTION A-A

CLAMP DETAIL

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Only one inside drop per manhole.
2. PVC shall be ASTM D3034 SDR35.
3. See Std. Dwg. RD336 for manhole steps details.
4. See Std. Dwg. RD336 for tracer wire details.
5. See Std. Dwg. RD345 for pipe to manhole connections,
6. See appropriate manhole standard drawings for details not shown.
7. Max. incoming pipe diameter 8". Drop pipe and fittings shall match incoming pipe.
8. 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.

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

OREGON STANDARD DRAWINGS

SANITARY SEWER PIPED INSIDE DROP CONNECTION FOR MANHOLES

2024

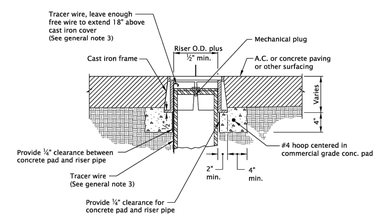
DATE	REVISION DESCRIPTION

CALC BOOK NO. N/A | SDR DATE 14-JUL-2014 | **RD350**

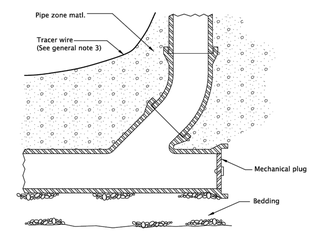
Effective Date: December 1, 2024 - May 31, 2025

20-JUL-2020 RD350.dgn

CAST IRON COVER



CAST IRON FRAME



CLEANOUT

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

SANITARY CLEANOUT

2024

DATE	REVISION DESCRIPTION

CALC BOOK NO. N/A | SDR DATE 14-JUL-2014 | **RD362**

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

20-JUL-2020 RD362.dgn

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DIGITALLY SIGNED
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

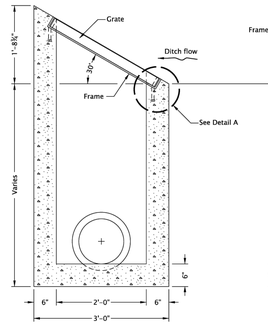
DETAIL SHEET 5

Sheet No. C6.05

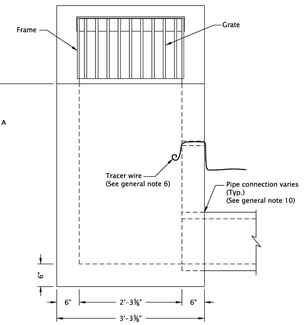
DRAWN BY: MBW | CHECKED BY: | DATE: 12/12/2024

JOB No. 23-001C

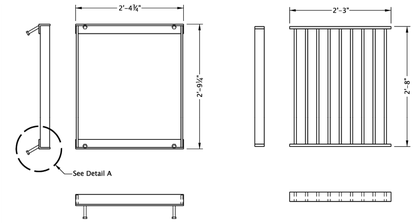
Z:\2023\23-001C Cottage Grove South Road & Bridge Feasibility\Civil\Production Drawings\Construction Sheets\23-001C_C_CO_CIP-DETAILS.dwg 12/12/2024 3:31 PM ANDREWS



SECTION A - A

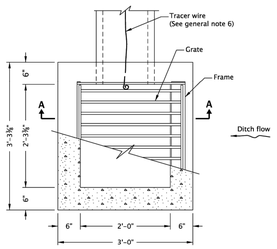


ELEVATION



G-2 FRAME
(See general note 2)

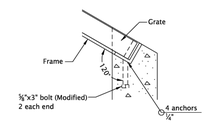
G-2 GRATE (TYPE 1)
(See general note 2)



PLAN

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. All concrete shall be commercial grade concrete.
2. For frame & grate details not shown, see Std. Dwg. RD365.
   Modify anchor bolt attachment to frame as shown in Detail A.
   G-2 (Type 2) grates may be used if approved by the engineer.
3. Catch basin, frame, and grates shall meet H20 loading.
4. Provide sump only when shown on plans, and allowed by jurisdiction. For sump details, see Std. Dwg. RD364.
5. ⅜" cross bars shall be flush with the grate surface and may be fillet welded, resistance welded or electroforged to bearing bars.
6. See Std. Dwg. RD336 for tracer wire details, or approved alternate.
7. Max. pipe diameter varies with pipe material.
8. Do not use in locations where inlet can be struck by an errant vehicle, or provide shielding of inlet.
9. Inlet base may be cast-in-place or precast. Where precast inlet base is used as an alternate, a 4" compacted leveling bed of sand or ¼"-0 crushed aggregate shall be provided.
   All precast inlets shall conform to requirements of ASTM C913.
10. See Std. Dwg. RD339 for pipe to structure connections.
11. Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.



DETAIL A
(Anchor bolt modication, see general note 2)

CALC. BOOK NO. N/A

SDR DATE 21-JUL-2015

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

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 consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

DITCH INLET TYPE D

2021

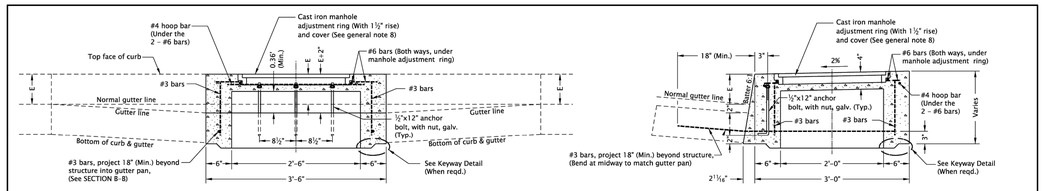
DATE	REVISION DESCRIPTION

rd370.dgn 20-JUL-2020

MD370

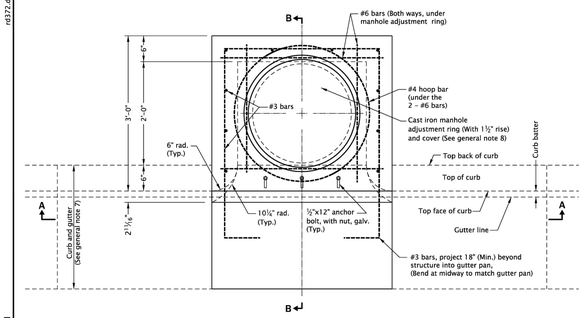
RD370

Effective Date: June 1, 2021 - November 30, 2021

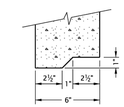


SECTION A - A

SECTION B - B



PLAN



KEYWAY DETAIL

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. All concrete shall be commercial grade concrete.
2. Inlet top may be cast-in-place or precast. All precast inlets shall conform to requirements of ASTM C913.
3. All reinforcement shall be 2" clear of nearest face of conc., unless otherwise shown.
4. Vary anchor bolt length and reinforcing bar placement as required by curb exposure E (See note 7 below).
5. See Std. Dwg. RD371 for inlet base details.
6. See Std. Dwg. RD371 for inlet pay limit.
7. See Std. Dwgs. RD700 & RD701 for curb and gutter details.
8. See Std. Dwg. RD356 for cast iron manhole adjustment ring and cover.

CALC. BOOK NO. N/A

SDR DATE 16-JAN-2019

NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications

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 consulting a Registered Professional Engineer.

OREGON STANDARD DRAWINGS

CONCRETE INLET TOP, OPTION 1 TYPE CG-3

2021

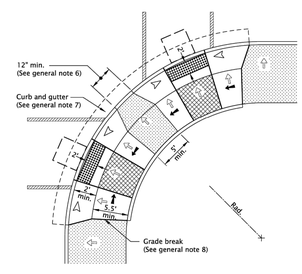
DATE	REVISION DESCRIPTION

rd372.dgn 20-JUL-2020

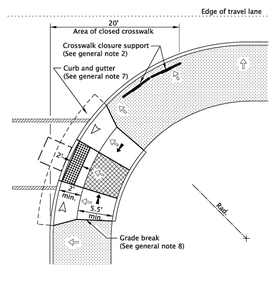
MD372

RD372

Effective Date: June 1, 2022 - November 30, 2022



COMBINATION CURB RAMPS
OPTION "CC-1"



COMBINATION CURB RAMP WITH CROSSWALK CLOSURE
OPTION "CC-2"

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Curb ramp details are based on applicable ODOT Standards.
2. See project plans for details not shown.
   See Std. Dwgs. RD700 & RD701 for curbs.
   See Std. Dwgs. RD720 & RD721 for sidewalks.
   See Std. Dwgs. RD902 through RD908 for detectable warning surface installation details.
   See Std. Dwg. RD930 for combination curb ramp details.
   See Std. Dwg. TM240 for crosswalk closure detail.
3. Site conditions normally require a project specific design. See project plans for details not shown.
4. Tooled dummy joints are required at all curb ramp slope break lines, (see Std. Dwg. RD722).
5. Curb ramp slopes shown are relative to the true level horizon (zero bubble).
6. When 2 curb ramps are immediately adjacent, the curb exposure (E) between the adjacent side flares may range between 3" and full design exposure.
7. On or along state highways, curb and gutter is required at curb ramps.
8. Grade breaks at the top and bottom of curb ramp runs shall be perpendicular to the direction of the ramp run. Grade breaks shall not be permitted on the surface of ramp runs and turning spaces. Surface slopes that meet at grade breaks shall be flush.

LEGEND:

- Marked or intended crossing location
- Sidewalk
- Detectable warning surface
- Level area (Turning space/landing)
  Unobstructed 4.5' x 4.5'
  With obstruction 4.5' x 5.5' (Longer dimension in direction of pedestrian street crossing).
  For the purposes of this application, a max. 2.0% finished surface slope (for drainage) measured perpendicular in two directions is considered level.
- Cross slope 1.5% max.
  (Max. 2.0% finished surface slope)
  (Normal sidewalk cross slope)
- Running slope 7.5% max.
  (Max. 8.3% finished surface slope)
- Flare slope
  (Max. 10% finished surface slope)
- 4'x4' clear space

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

COMBINATION CURB RAMP

2024

DATE	REVISION DESCRIPTION
07-2020	NEW DRAWING CREATED

CALC BOOK NO. N/A

SDR DATE 20-JUL-2020

RD932

RD932.dgn 20-JUL-2020

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

Z:\2023\23-001C Cottage Grove South Road & Bridge Feasibility\Civil\Production Drawings\Construction Sheets\23-001C_C_CG_CIP-DETAILS.dwg 12/12/2024 5:00 PM ANDREWS

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REVISIONS:

No.	DESCRIPTION	DATE

CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

DETAIL SHEET 6

Sheet No. **C6.06**

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

CLEVELAND STREET CAPITAL IMPROVEMENT PROJ.

EROSION & SEDIMENT CONTROL PLAN/1200-C PERMIT

COTTAGE GROVE, OREGON

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 DISSIPATERS			
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 WETHER 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 TWICE 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 BMPs 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

1. WATER AND ASSOCIATED DISCHARGES FROM EMERGENCY FIREFIGHTING ACTIVITIES
2. FIRE HYDRANT FLUSHING
3. PROPERLY MANAGED LANDSCAPING IRRIGATION
4. 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
5. WATER USED TO CONTROL DUST
6. POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHINGS
7. EXTERNAL BUILDING WASHDOWN, PROVIDED SOAPS, SOLVENTS, AND DETERGENTS ARE NOT USED, AND EXTERNAL SURFACES DO NOT CONTAIN HAZARDOUS SUBSTANCES
8. 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, HOSING OF ACCUMULATED SEDIMENTS ON PAVEMENT INTO ANY STORMWATER CONVEYANCE IS PROHIBITED
9. UNCONTAMINATED, NON-TURBID DISCHARGES OF GROUNDWATER OR SPRING WATER
10. FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS OR CONTAMINATED GROUNDWATER
11. CONSTRUCTION DEWATERING ACTIVITIES (INCLUDING GROUNDWATER DEWATERING AND WELL DRILLING DISCHARGE ASSOCIATED WITH THE REGISTERED CONSTRUCTION ACTIVITY), PROVIDED THAT:
    a. 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
    b. BEST MANAGEMENT PRACTICES AND A TREATMENT SYSTEM APPROVED BY DEQ OR AGENT (SEE SECTION 1.2.9) ARE USED TO ENSURE COMPLIANCE WITH DISCHARGE AND WATER QUALITY REQUIREMENTS IN SECTION 2.4

DEQ GENERAL NOTES

1. 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)
2. VISUAL MONITORING INSPECTION REPORTS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. (SECTION 6.5)
3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SECTION 6.5.Q)
4. 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)
5. 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)
6. THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SECTION 4.8)
7. 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)
8. SEQUENCE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (SECTION 2.2.2)
9. CREATE SMOOTH SURFACES BETWEEN SOIL SURFACE AND EROSION AND SEDIMENT CONTROLS TO PREVENT STORMWATER FROM BYPASSING CONTROLS AND PONDING. (SECTION 2.2.3)
10. IDENTIFY, MARK, AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) 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 PERIMETER AREAS. (SECTION 2.2.1)
11. 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)
12. MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FEET OF WATERS OF THE STATE. (SECTION 2.2.4)
13. 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)
14. 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)
15. CONTROL SEDIMENT 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)
16. ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (SECTION 2.2.14)
17. 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)
18. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SECTION 2.3.7)
19. 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 2.3.7)
20. PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPS SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMPS MUST BE IN PLACE PRIOR TO LAND- DISTURBING ACTIVITIES. (SECTION 2.2.7)
21. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SECTION 2.2.7.F)
22. 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)
23. ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES ARE NOT OCCURRING ARE NOT DISTURBED. (SECTION 2.2.10)
24. PREVENT SOIL COMPACTION IN AREAS WHERE POST-CONSTRUCTION INFILTRATION FACILITIES ARE TO BE INSTALLED. (SECTION 2.2.12)
25. USE BMPS TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS; 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)
26. 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)
27. IF ENGINEERED SOILS ARE USED ON SITE, A SEDIMENTATION BASIN/IMPOUNDMENT MUST BE INSTALLED. (SEE SECTIONS 2.2.17 AND 2.2.18)
28. PROVIDE A DEWATERING PLAN FOR ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES. (SEE SECTION 2.4)
29. IMPLEMENT THE FOLLOWING BMPS 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)
30. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SECTION 2.2.9)
31. 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)
32. 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)
33. 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)
34. AS NEEDED BASED ON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED, OR OTHER BMPS MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO SURFACE WATERS. (SECTION 2.2.8)
35. 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)
36. 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)
37. 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)
38. 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 RECURRENCE 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)
39. THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (SECTION 2.2.19)
40. 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.)
41. PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BLOWN 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)
42. 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

1. 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.
2. 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.
3. THE IMPLEMENTATION OF THE ESCP AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING 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.
4. 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.
5. 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.
6. 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.
7. 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.).
8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.

1. 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.
2. 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 CARS AND PEDESTRIANS.
3. 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

1. WET WEATHER EROSION PREVENTION MEASURES WILL BE IN EFFECT FROM OCTOBER 1 THROUGH APRIL 30.
2. SOIL EXPOSED FOR MORE THAN 2 DAYS SHALL BE COVERED WITH PLASTIC SHEETING, MATTING, OR A 2-INCH LAYER OF MULCH, BARK, WOOD CHIPS, SAWDUST, OR STRAW TO MINIMIZE EROSION POTENTIAL.
3. 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@cottagegrove.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

CONTRACTOR NAME: TBD
CONTACT: TBD
ADDRESS: TBD
PHONE: TBD
EMAIL: TBD

ENGINEER/ESCP PREPARER

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

SURVEYOR

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

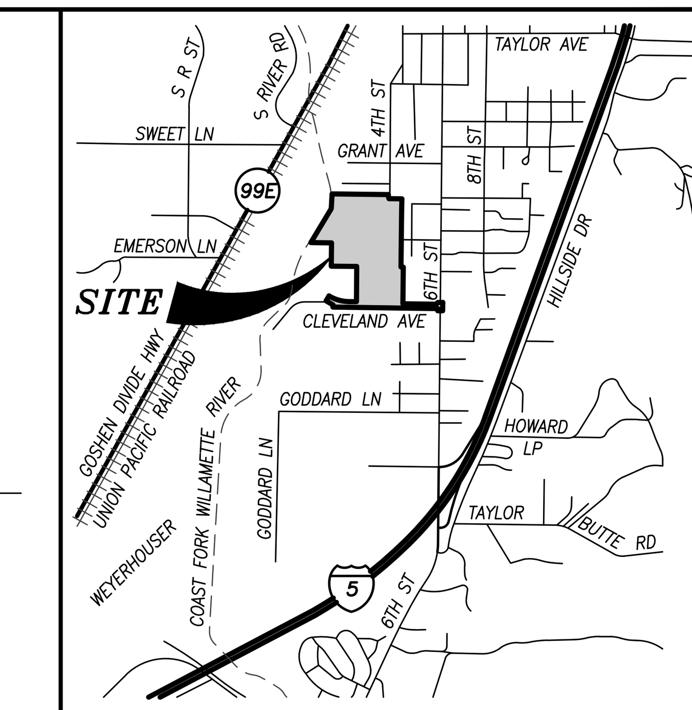
CONTRACTOR

CONTRACTOR NAME: TBD
CONTACT: TBD
ADDRESS: TBD
PHONE: TBD
EMAIL: 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.



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
EC3.0	EROSION & SEDIMENT CONTROL PLAN DETAILS SHEET 1
EC3.1	EROSION & SEDIMENT CONTROL PLAN DETAILS SHEET 2

RAIN GAUGE LOCATION

STATION "COTTAGE GROVE 2.6 E" 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//agacis.rcc-acis.org/)

FEMA FIRM DATA

PER FEMA FIRMS 41039C2087F, 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.

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
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
3. PROJECT HOURS: MONDAY-SATURDAY, 7AM-7PM
4. PROJECT SITE AREAS:
    - TOTAL AREA: 5.4± AC
    - DISTURBED AREA: 5.4± AC
    - PERCENT OF SITE DISTURBED: 100%
5. ONSITE SOIL TYPES:
    - 1(A) ABIQUA SILTY CLAY LOAM, 0-3% SLOPE
    - 121B SALKUM SILTY CLAY LOAM, 2-8% SLOPE
    - 121C SALKUM SILTY CLAY LOAM, 8-16% SLOPE
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)
8. RECEIVING WATER BODIES:
    COAST FORK WILLAMETTE RIVER
9. NEAREST WATER BODY:
    COAST FORK WILLAMETTE RIVER
    303(d) CATEGORY 5:
    - DISSOLVED OXYGEN - YEAR ROUND & SPAWNING
    - IRON (TOTAL) - AQUATIC LIFE CRITERIA
    - TRICHLOROETHYLENE - HUMAN HEALTH

    303(d) CATEGORY 4:
    - MERCURY (TOTAL) - AQUATIC LIFE CRITERIA

SPILL PREVENTION AND CONTROL

1. POLLUTANT-GENERATING ACTIVITIES TO TAKE PLACE DURING THE DEMOLITION AND CLEARING PHASE:
    - 1.1. EQUIPMENT FUELING WITH EITHER GASOLINE OR DIESEL FUEL.
    - 1.2. FUEL STORAGE OF GASOLINE AND DIESEL FUEL.
    - 1.3. EQUIPMENT HYDRAULIC OILING.
    - 1.4. HYDRAULIC OIL STORAGE OF 10-GALLON BUCKETS.
    - 1.5. GREEN WASTE FROM VEGETATION REMOVAL.
2. POLLUTANT-GENERATING ACTIVITIES TO TAKE PLACE DURING THE GRADING, EXCAVATION, UTILITIES AND SITE STABILIZATION PHASES:
    - 2.1. EQUIPMENT FUELING WITH EITHER GASOLINE OR DIESEL FUEL.
    - 2.2. FUEL STORAGE OF GASOLINE AND DIESEL FUEL.
    - 2.3. EQUIPMENT HYDRAULIC OILING.
    - 2.4. HYDRAULIC OIL STORAGE OF 10-GALLON BUCKETS.
    - 2.5. STORAGE OF CONSTRUCTION RELATED MATERIALS.
    - 2.6. JOINT SEAL MATERIALS, CONCRETE CURING COMPOUNDS, WASTEWATER FROM CONCRETE WASHOUT.
    - 2.7. ASPHALT CONCRETE (AC) AND PORTLAND CEMENT CONCRETE (PCC) MATERIALS AND WASTES.
    - 2.8. PAINTS, SOLVENTS, AND THINNERS.
    - 2.9. SANITARY WASTE FACILITIES (PORTABLE TOILETS).
3. POLLUTION-GENERATING SPILL PROCEDURE:
    - 3.1. POTENTIAL POLLUTANTS TO BE STORED AT POLLUTANT STORAGE LOCATION NOTED ON PLANS.
    - 3.2. WORKERS SHALL TAKE SPECIAL CARE WHILE HANDLING POLLUTANT MATERIALS.
    - 3.3. SHOULD A LEAK OR SPILL OF POLLUTANT MATERIALS OCCUR, IT WILL BE CLEANED UP IMMEDIATELY.
    - 3.4. 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.

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p: 541.746.0637
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REGISTERED PROFESSIONAL ENGINEER
#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

EROSION & SEDIMENT CONTROL PLAN
COVER SHEET AND NOTES

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

Sheet No. **EC0.00**

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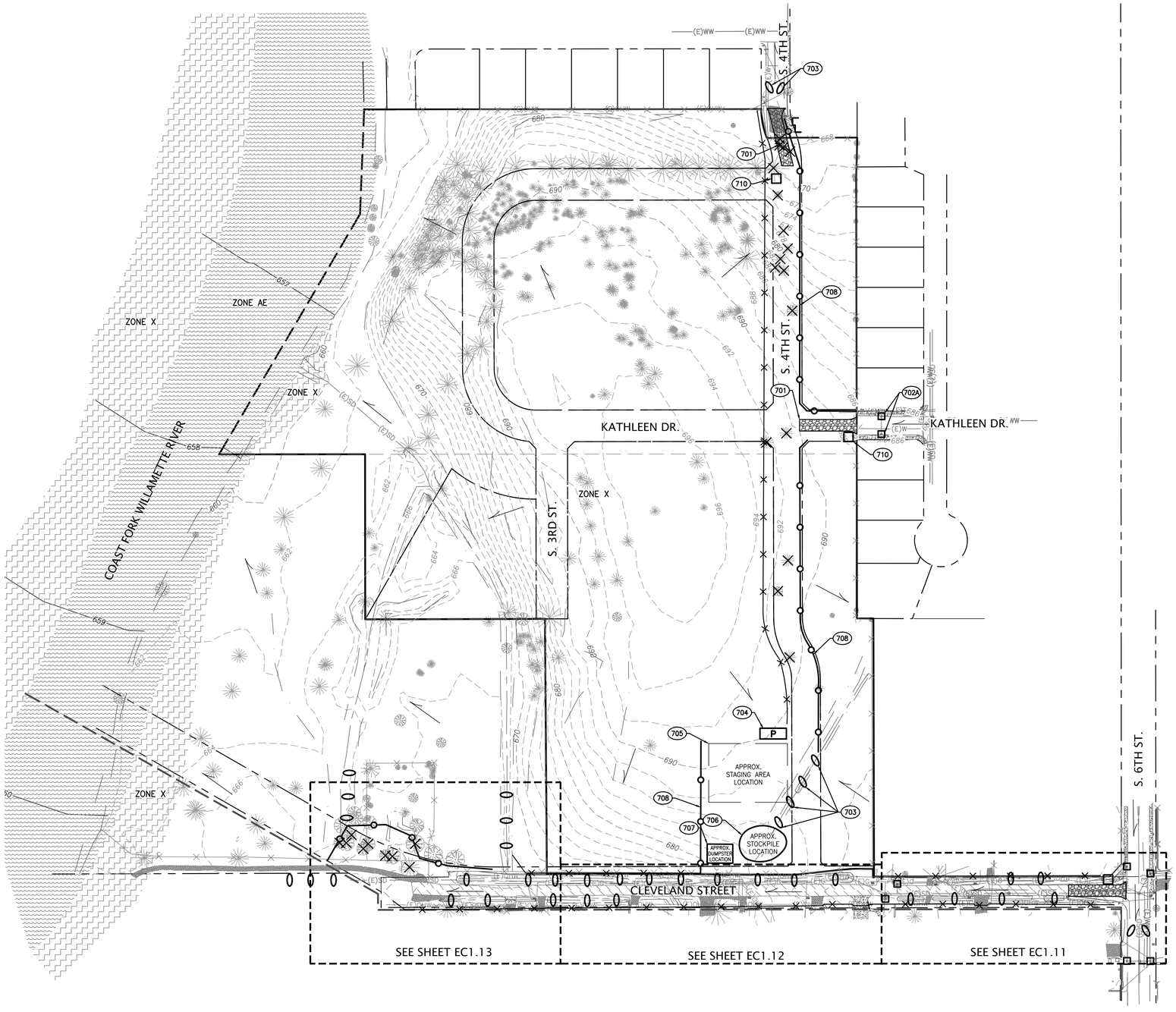

GENERAL NOTES:

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 SOTRMWATER 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 BMPs. CESCL OR INSPECTING ENGINEER WILL VERIFY AND COORDINATE THE LOCATIONS AND TYPES OF BMPs USED. ANY BMPs IMPLEMENTED BEYOND THOSE SPECIFIED IN THESE PLANS SHOULD BE REPORTED IN 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 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.

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 INUNDATED 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

N

GRAPHIC SCALE
100 0 50 100 200
(IN FEET)

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www.BranchEngineering.com

REGISTERED PROFESSIONAL ENGINEER #62780PE
DIGITALLY SIGNED
OREGON
JULY 13, 2006
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
TOTAL PROJECT AREA

Sheet No. EC1.00

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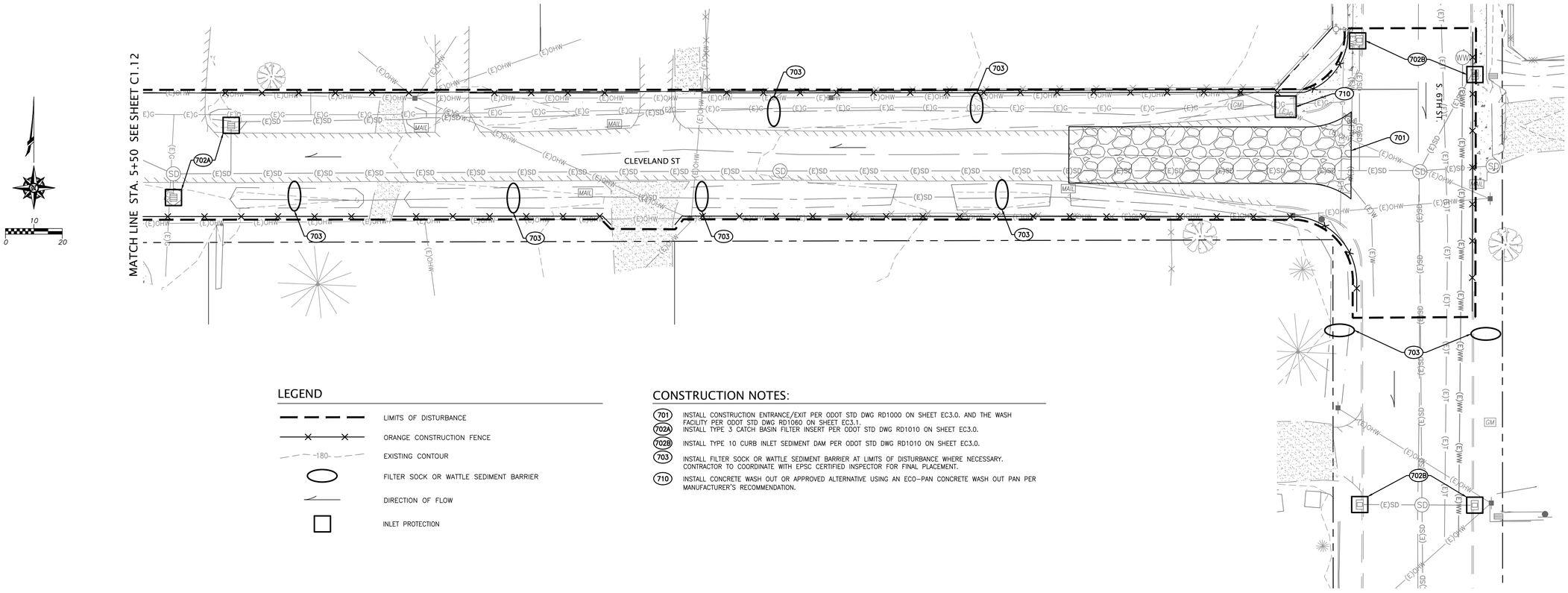

LEGEND

- LIMITS OF DISTURBANCE
- ORANGE CONSTRUCTION FENCE
- 180 — 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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DIGITALLY SIGNED
EXPIRES: JUNE 30, 2025

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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 1

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

Sheet No. EC1.11

JOB No. 23-001C

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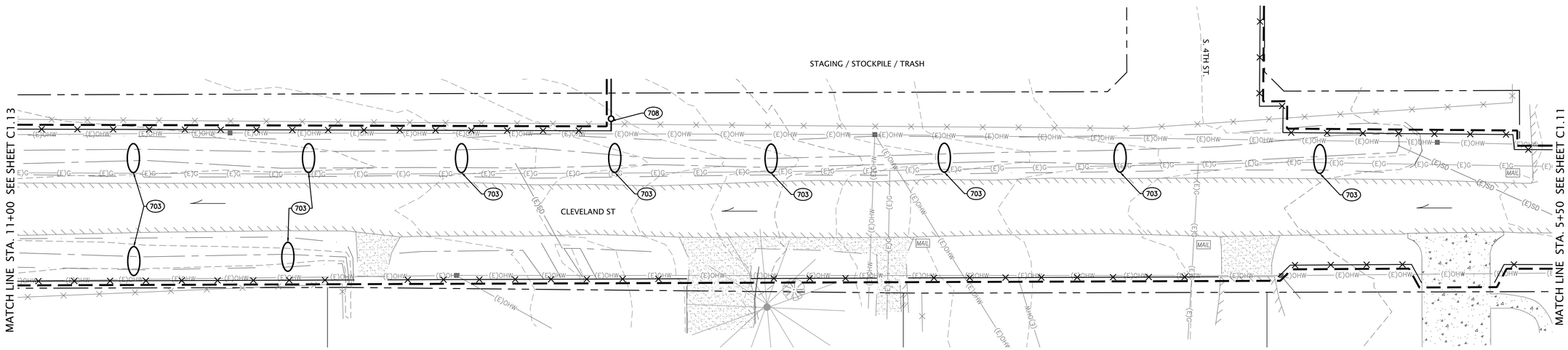

CONSTRUCTION NOTES:

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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0 20

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EXISTING CONDITIONS & DEMO. PHASE
SHEET 2

Sheet No. EC1.12

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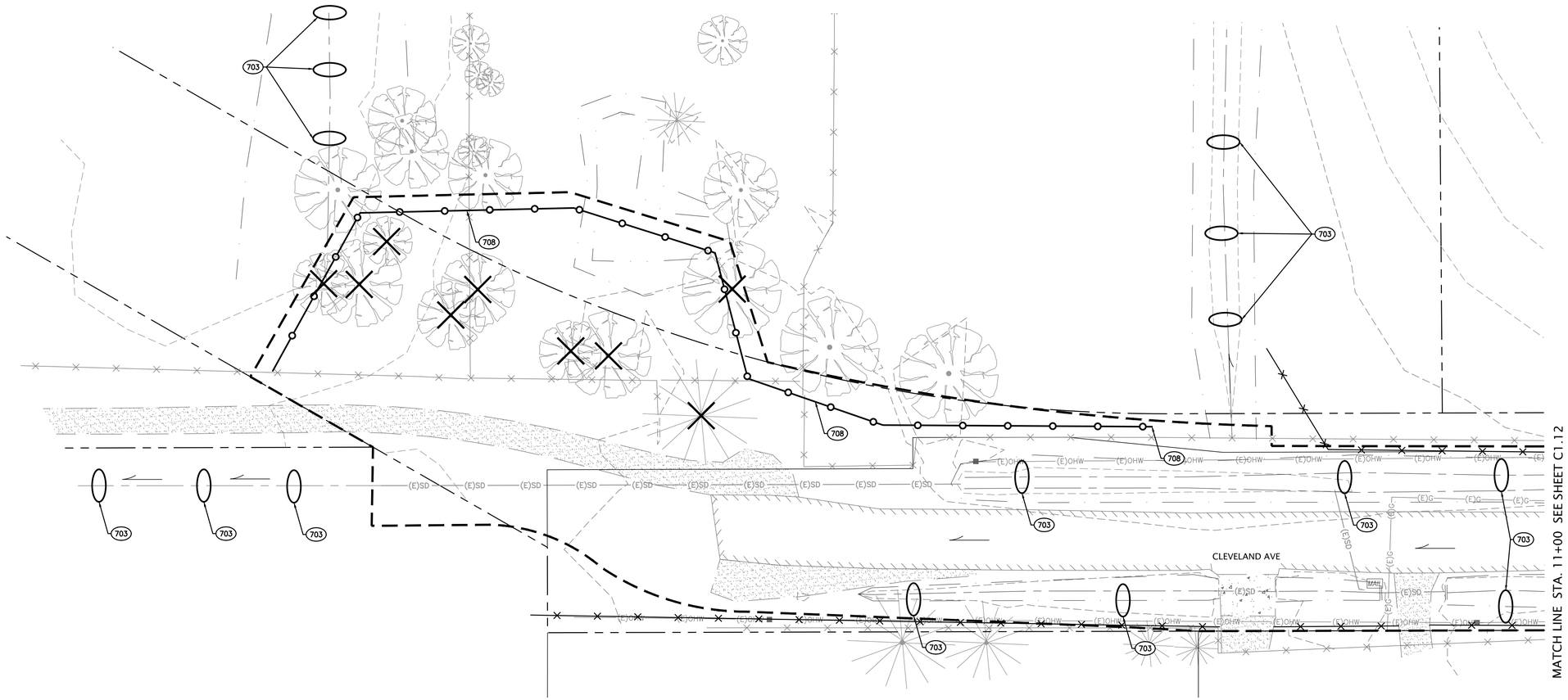

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LEGEND

- 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

N

10

0 20

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

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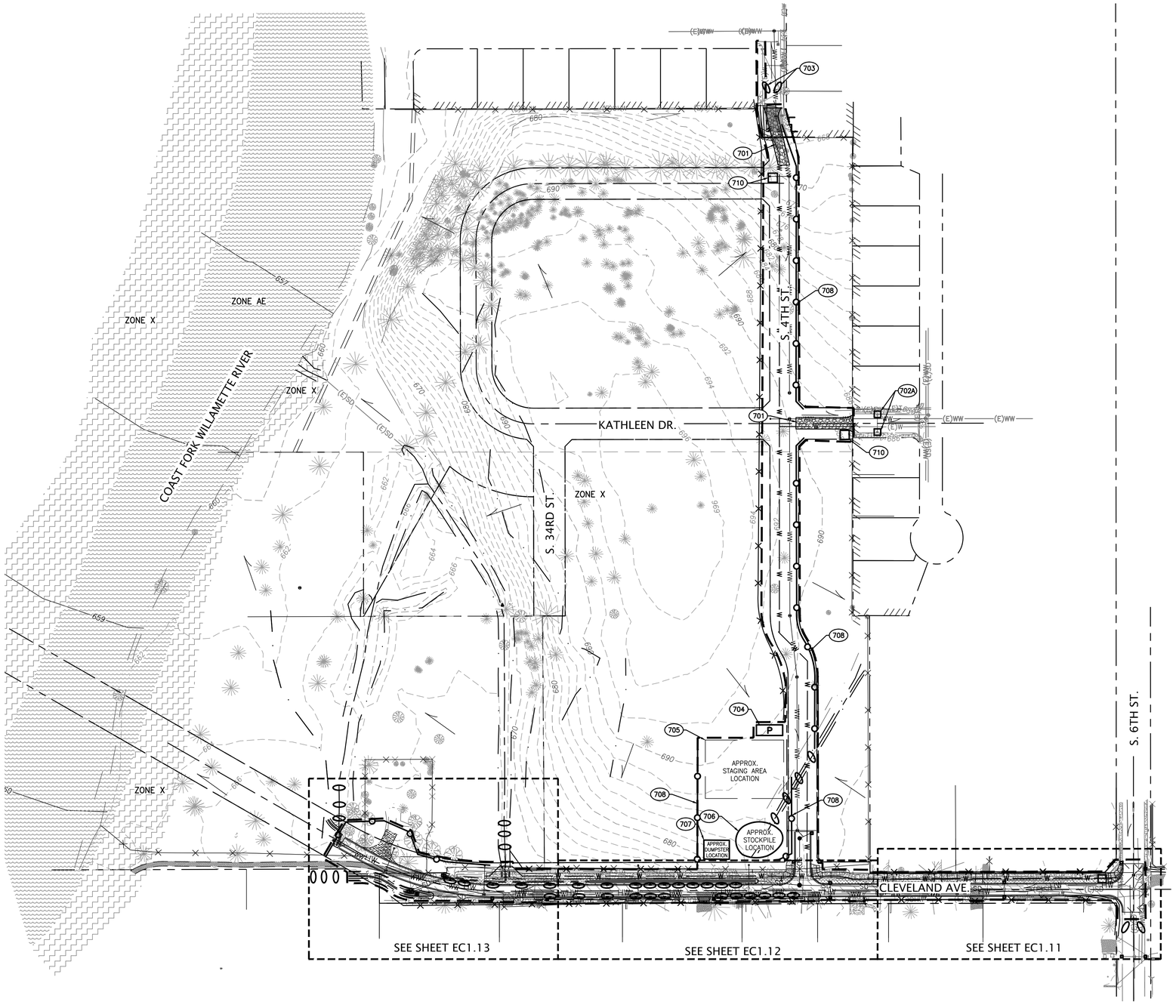

GENERAL NOTES:

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 SOTRMWATER 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 BMPs. CESCL OR INSPECTING ENGINEER WILL VERIFY AND COORDINATE THE LOCATIONS AND TYPES OF BMPs USED. ANY BMPs 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 INUNDATED 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.

N

GRAPHIC SCALE
50 0 25 50 100
(IN FEET)

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DAMIEN GILBERT
EXPIRES: JUNE 30, 2025

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CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

EROSION & SEDIMENT CONTROL PLAN
STREET, UTILITIES & STABILIZATION PHASE

Sheet No. EC2.00

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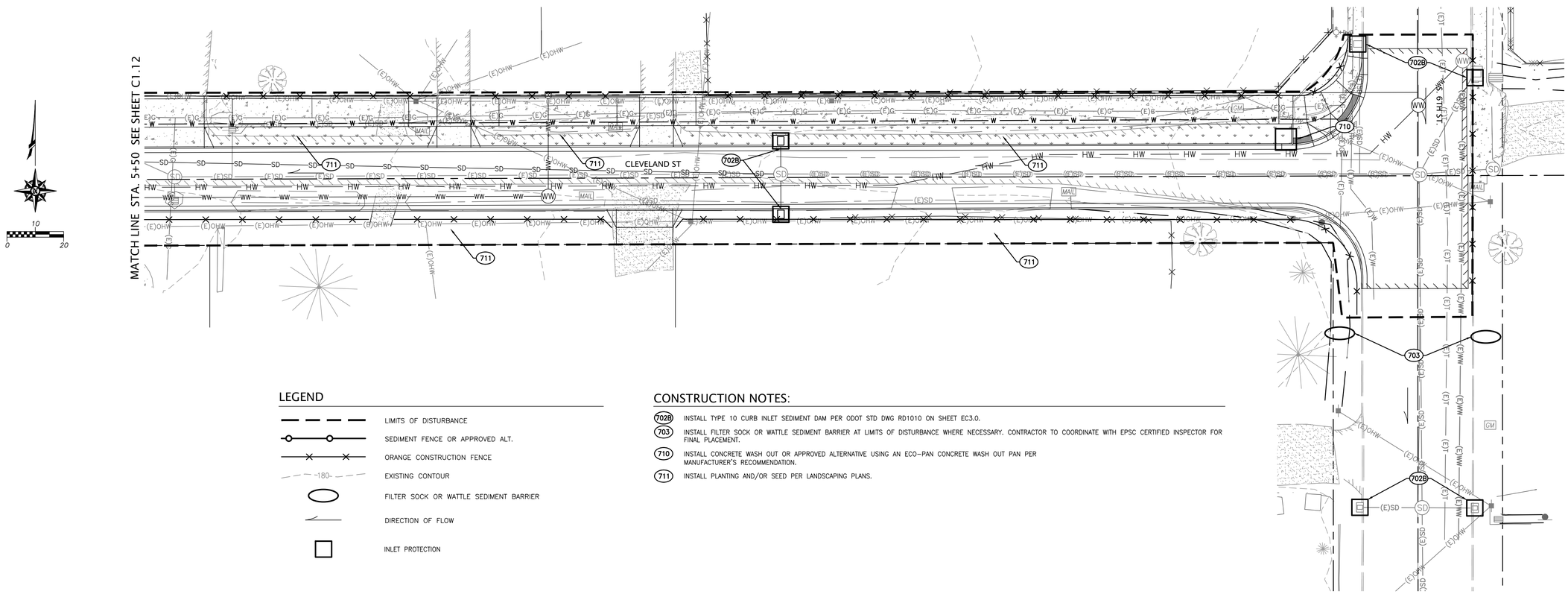

LEGEND

- LIMITS OF DISTURBANCE
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- ORANGE CONSTRUCTION FENCE
- 180 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.

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711 INSTALL PLANTING AND/OR SEED PER LANDSCAPING PLANS.

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SHEET 1

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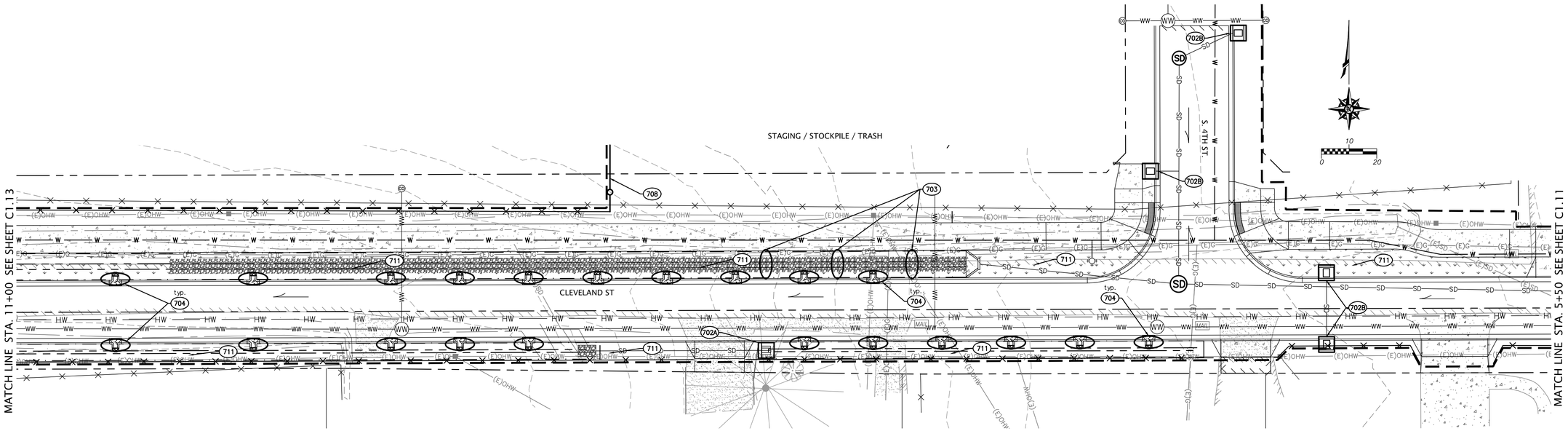

CONSTRUCTION NOTES:

- **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.
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LEGEND

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- DIRECTION OF FLOW
- TREE TO BE REMOVED
- INLET PROTECTION

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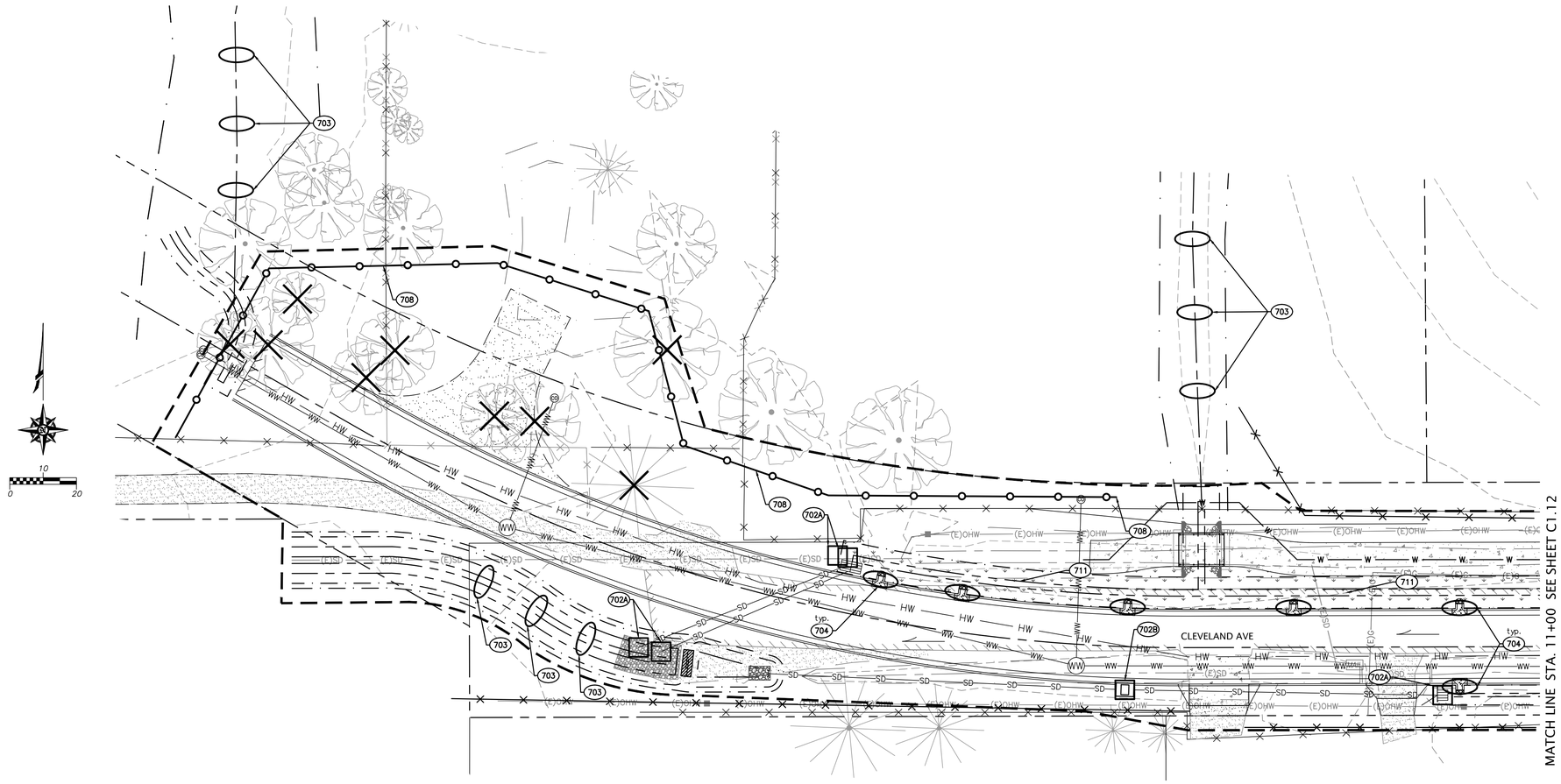

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- -180- EXISTING CONTOUR
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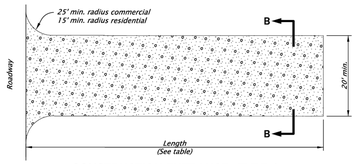

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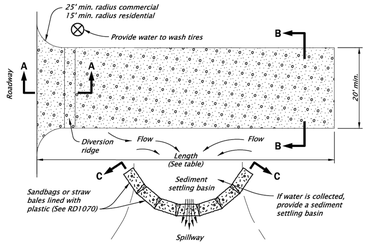

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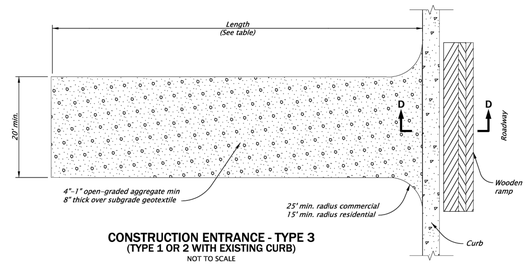
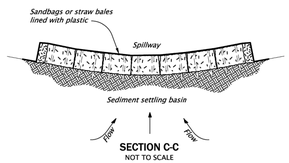


CONSTRUCTION ENTRANCE - TYPE 3
(TYPE 1 OR 2 WITH EXISTING CURB)
NOT TO SCALE



SECTION C-C
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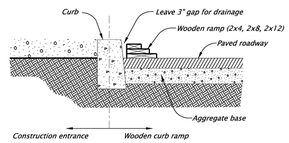
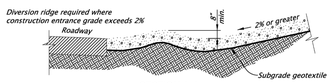
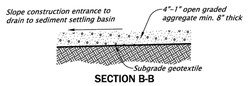


WOODEN CURB RAMP SECTION D-D
NOT TO SCALE



SECTION A-A
NOT TO SCALE



SECTION B-B
NOT TO SCALE

NOTES:
1. The Type 1 entrance is a simple entrance without a diversion ridge or settling basin.
2. The wooden ramp may be used on either Type 1 or Type 2 entrances in situations where there is curb and the curb is not removed for the construction entrance.

CONSTRUCTION ENTRANCE TABLE MINIMUM LENGTH	
Length (FT)	*Area Of Exposed Soil (Acre)*
20	0.25
50	0.25 < A < 1.0
100	A > 1.0

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

CONSTRUCTION ENTRANCES

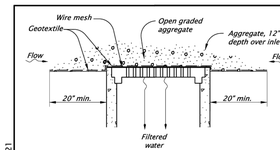
2021

DATE	REVISION DESCRIPTION
01-2021	REMOVED CALC BOOK NUMBERS

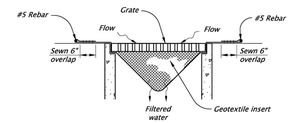
CALC BOOK NO. _ _ _ N/A _ _ _ SDR DATE 20-JAN-2021 **RD1000**

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

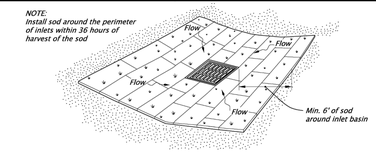
RD1010.dgn 20-JAN-2021



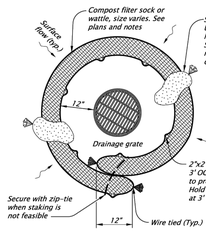
GEOTEXTILE/WIRE MESH/AGGREGATE - TYPE 2
NOT TO SCALE



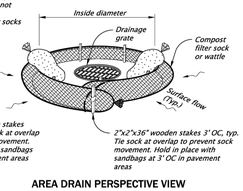
PREFABRICATED FILTER INSERT - TYPE 3
NOT TO SCALE



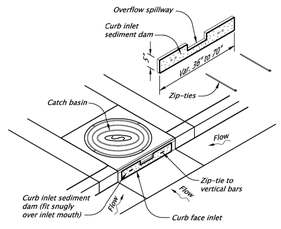
SOD PROTECTION - TYPE 6
NOT TO SCALE



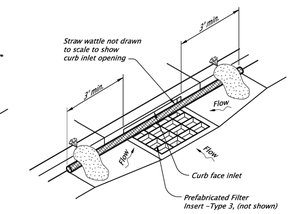
AREA DRAIN PLAN



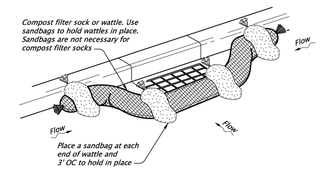
AREA DRAIN PERSPECTIVE VIEW



CURB INLET SEDIMENT DAM - TYPE 10
NOT TO SCALE



WATTLE BARRIER WITH FILTER INSERT - TYPE 11
NOT TO SCALE



CURB INLET PERSPECTIVE VIEW

COMPOST FILTER SOCK OR WATTLE - TYPE 7
NOT TO SCALE

NOTES:
Type 2 - Geotextile/wire mesh/aggregate
Place the wire mesh over the grate.
Place sediment fence geotextile over the wire mesh and perimeter area around structure.
Install aggregate over the geotextile fabric.

Type 3 - Prefabricated filter inserts
Install prefabricated filter inserts according to the plans, special provisions, and manufacturer recommendations.
Prefabricated inserts with provisions for overflow are allowed only when accompanied by additional BMP's to prevent the potential of sediments entering project storm systems.
Field fabricated inserts are not allowed.

Type 7 - Compost filter sock
Drive 2"x2" wood stakes a minimum of 6" into ground and flush with the top of the sock.
Overlap ends of sock per manufacturers recommendations (12"min., 36" max.). Use 8" to 12" dia sock on curbside in traffic areas.

(Type 7 cont.)
Use 12" to 18" dia sock in non-traffic areas or areas where the larger socks can be used safely.
use synthetic mesh socks for temporary installations.

Type 10 - Curb inlet sediment dam
Fit curb inlet sediment dam snugly into inlet mouth. Curb inlet sediment dam is required for use with inlet filter insert where at-grade inlet grate and curb inlet are combined at a catch basin.

Type 11 - Wattle barrier with filter insert
Install prefabricated filter insert per Type 3 detail.
Install wattles over opening and 36" to each side of opening tight against curb. Adjust wattle to force storm water to flow through filter insert or wattle prior to leaving the site.
Adjust, replace or modify the inlet protection as needed to prevent sediment laden water from entering the catch basin.

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

INLET PROTECTION TYPE 2, 3, 6, 7, 10 AND 11

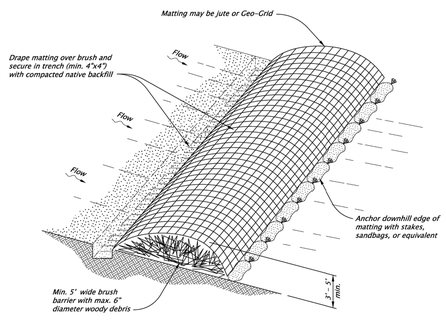
2024

DATE	REVISION DESCRIPTION
01-2021	REMOVED CALC BOOK NUMBERS
01-2021	MOVED NOTES UP FROM OVERLAPPING THE SHEET BORDER

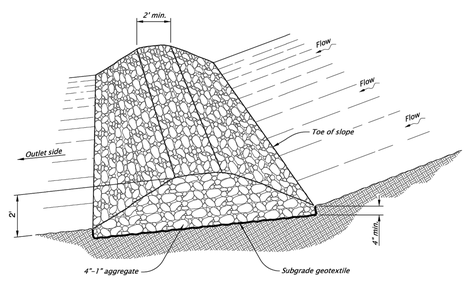
CALC BOOK NO. _ _ _ N/A _ _ _ SDR DATE 20-JAN-2021 **RD1010**

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

RD1031.dgn 20-JAN-2021



BRUSH BARRIER - TYPE 5
NOT TO SCALE



AGGREGATE BARRIER - TYPE 6
NOT TO SCALE

NOTES:
1. Direct diverted flows from the outlet side of the rock filter berm/dams onto a stabilized area, such as vegetation and or rock, or into a sediment trapping facility.
2. Embed barrier a min. of 4" into the existing ground/embankments.
3. Use 1:3 or flatter side slope. Within the safety clear zone, use 1:6 or flatter side slopes.
4. Use 4"-1" clean aggregate.

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OREGON STANDARD DRAWINGS

SEDIMENT BARRIER TYPE 5 AND 6

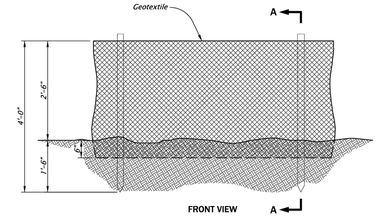
2024

DATE	REVISION DESCRIPTION
01-2021	REMOVED CALC BOOK NUMBERS

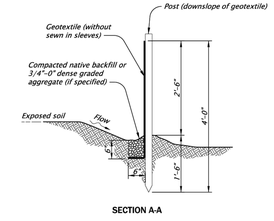
CALC BOOK NO. _ _ _ N/A _ _ _ SDR DATE 20-JAN-2021 **RD1031**

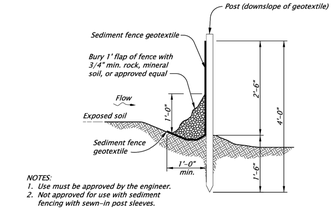
Effective Date: December 1, 2024 - May 31, 2025

RD1040.dgn 20-JAN-2021



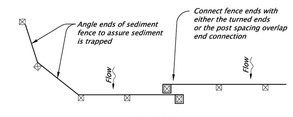
SEDIMENT FENCE AND GEOTEXTILE BURY DETAIL - TYPE 1
NOT TO SCALE



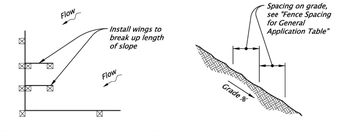


NOTES:
1. Use must be approved by the engineer.
2. Not approved for use with sediment fencing with sewn-in post sleeves.

ALTERNATE SEDIMENT FENCE WITHOUT TRENCHING - TYPE 2
NOT TO SCALE



PLAN VIEW

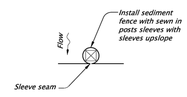


TERMINATION AT CORNER OR PROPERTY LINE

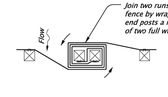
GENERAL NOTES:
1. Use 2"x2" wood fence posts.
2. Posts to be installed on downhill side of sediment fence geotextile. Position posts to prevent separation from geotextile.
3. Compact filter fabric trench backfill and soil on uphill side of fence.
4. Locate fence no closer than three feet to the toe of a slope.
5. Wing spacing shall comply with "Fence Spacing for General Application Table".

FENCE SPACING FOR GENERAL APPLICATION TABLE	
INSTALL PARALLEL ALONG CONTOURS AS FOLLOWS	
GRADE	*MAXIMUM SPACING ON GRADE*
Grade < 10%	300'
10% ≤ Grade < 15%	150'
15% ≤ Grade < 20%	100'
20% ≤ Grade < 30%	50'
30% ≤ Grade	25'

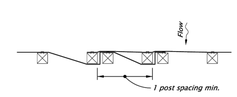
POST SPACING TABLE	
6'	Sediment Fence with Geotextile elongation less than 50%
4'	Sediment Fence with Geotextile elongation 50% or more



GEOTEXTILE WITH POST SLEEVES



TURNED ENDS CONNECTION



POST SPACING OVERLAP CONNECTION

GEOTEXTILE END CONNECTIONS
NOT TO SCALE

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.

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OREGON STANDARD DRAWINGS

SEDIMENT FENCE

2024

DATE	REVISION DESCRIPTION
01-2021	REMOVED CALC BOOK NUMBERS

CALC BOOK NO. _ _ _ N/A _ _ _ SDR DATE 20-JAN-2021 **RD1040**

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

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OREGON
JULY 13, 2018
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

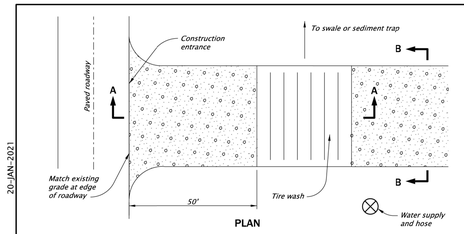
EROSION & SEDIMENT CONTROL PLAN DETAILS SHEET 1

Sheet No. **EC3.0**

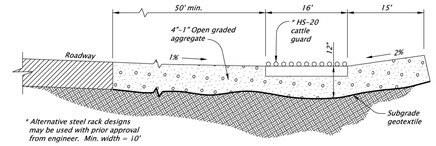
DRAWN BY:	CHECKED BY:	DATE:
ARS	--	12/12/2024

JOB No. 23-001C

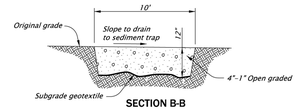
Z:\2023\23-001C Cottage Grove South Road & Bridge Feasibility\Civil\Production Drawings\Erosion Control Sheets\23-001C_Erosion_Cont_Details.dwg 12/9/2024 8:50 AM ANDREWS



PLAN



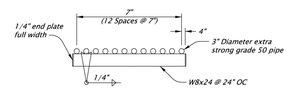
SECTION A-A



SECTION B-B

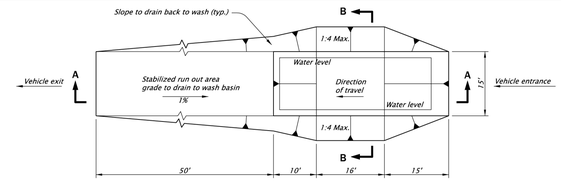
TIRE WASH - TYPE 1 (MANUAL HOSE WASH)

NOT TO SCALE

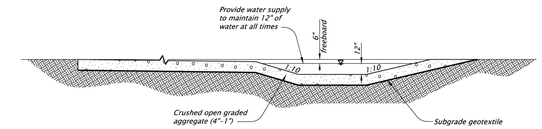


HS-20 CATTLE GUARD

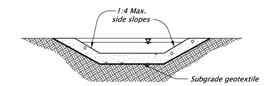
NOT TO SCALE



PLAN



SECTION A-A



SECTION B-B

TIRE WASH - TYPE 2

NOT TO SCALE

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.

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OREGON STANDARD DRAWINGS

TIRE WASH FACILITY TYPE 1 AND 2

2024

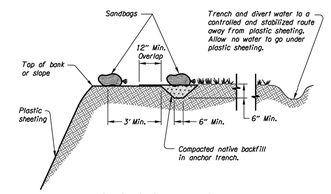
DATE	REVISION DESCRIPTION
01-2021	REMOVED CALC BOOK NUMBERS

CALC BOOK NO. N/A SDR DATE 20-JAN-2021 **RD1060**

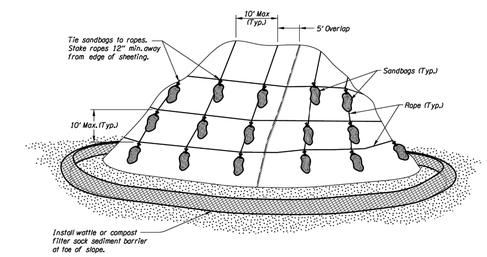
20-JAN-2021

RD1060.dgn

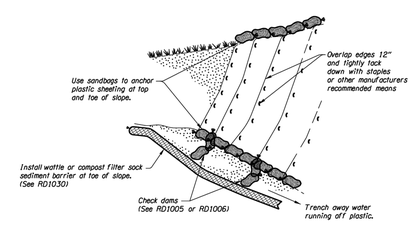
Effective Date: December 1, 2023 - May 31, 2024



TOP OF SLOPE TIE DOWN



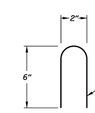
STOCKPILE



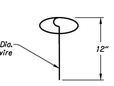
SLOPES

NOTES:

1. Install plastic sheeting vertically down slope.
2. Install plastic sheeting so edges overlap and are shingled away from prevailing winds.



STAPLE DETAIL



PIN STAPLE

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

OREGON DEPARTMENT OF TRANSPORTATION TECHNICAL SERVICES DETAILS

PLASTIC SHEETING

DETAIL NO. DET6001

01-Jan-2015

det6001.dgn

DET6001

Z:\2023\23-001C Cottage Grove South Road & Bridge Feasibility\Civil\Production Drawings\Erosion Control Sheets\23-001C_Erosion_Cont_Details.dwg 12/9/2024 8:50 AM ANDREWS

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DIGITALLY SIGNED
EXPIRES: JUNE 30, 2025

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

REVISIONS:

No.	DESCRIPTION	DATE

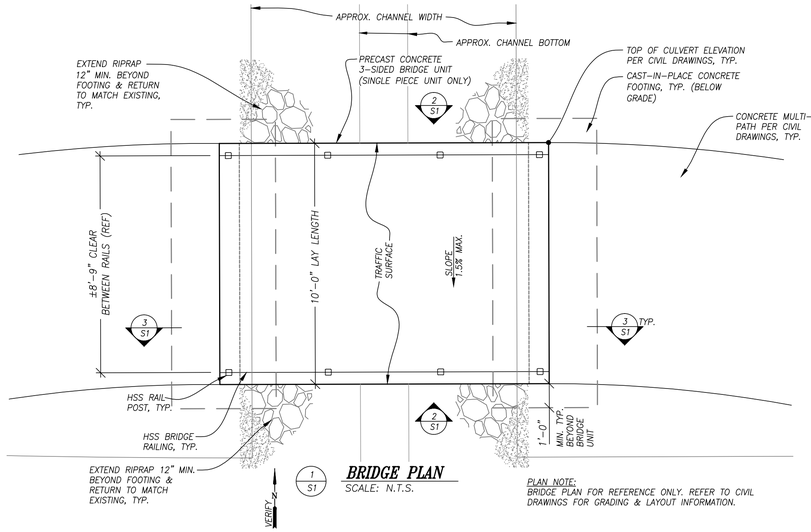
CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

EROSION & SEDIMENT CONTROL PLAN DETAILS SHEET 2

Sheet No. **EC3.1**

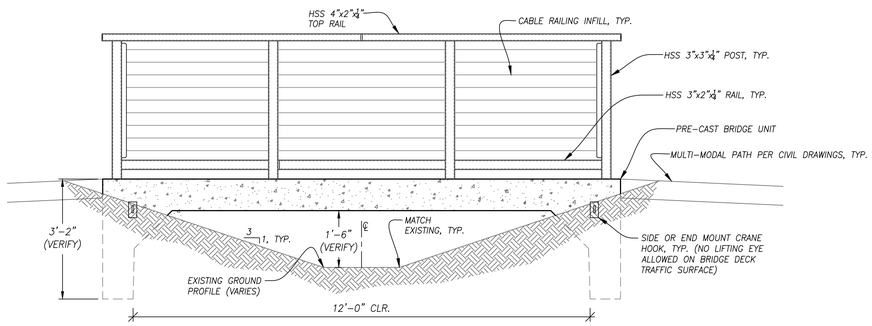
DRAWN BY:	CHECKED BY:	DATE:
ARS	--	12/12/2024

JOB No. 23-001C

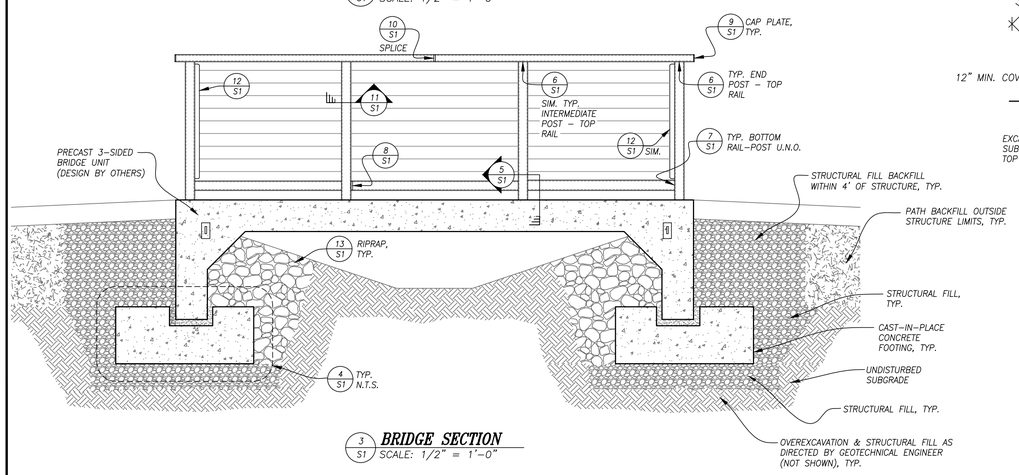


1 S1 **BRIDGE PLAN**
SCALE: N.T.S.

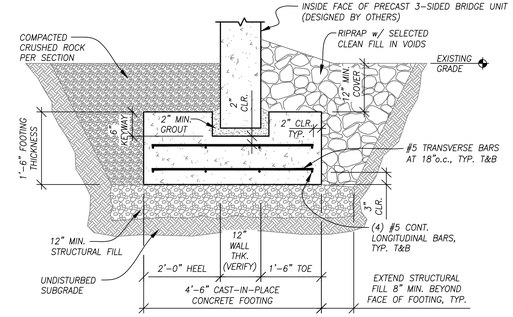
PLAN NOTE:
BRIDGE PLAN FOR REFERENCE ONLY. REFER TO CIVIL DRAWINGS FOR GRADING & LAYOUT INFORMATION.



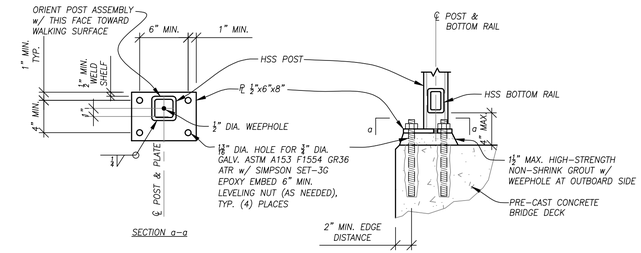
2 S1 **BRIDGE ELEVATION**
SCALE: 1/2" = 1'-0"



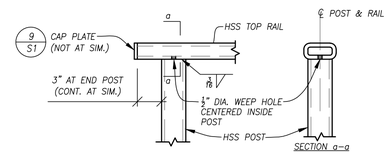
3 S1 **BRIDGE SECTION**
SCALE: 1/2" = 1'-0"



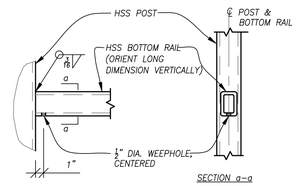
4 S1 **FOOTING**
SCALE: N.T.S.



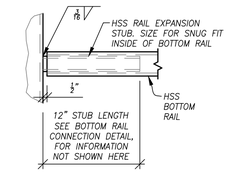
5 S1 **POST BASE CONNECTION**
SCALE: N.T.S.



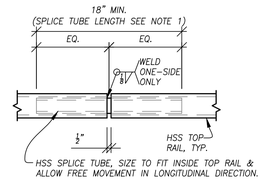
6 S1 **TOP RAIL CONNECTION**
SCALE: N.T.S.



7 S1 **BOTTOM RAIL CONNECTION**
SCALE: N.T.S.



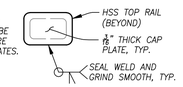
8 S1 **BOTTOM RAIL SPLICE CONNECTION**
SCALE: N.T.S.



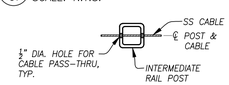
NOTES:
1. PROTRUSION IN THE SPLICE DUE TO GALVANIZING OR CUTTING ARE NOT PERMITTED IN ORDER TO ALLOW FREE MOVEMENT OF THE SPLICE.

10 S1 **RAIL SPLICE**
SCALE: N.T.S.

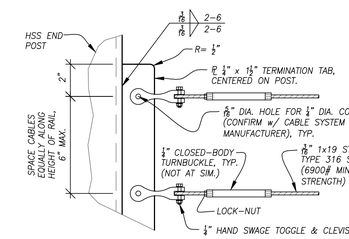
NOTE:
CAP PLATES FOR RAILING ARE TO BE USED ONLY WHERE THE RAIL TERMINATES.



9 S1 **END CAP PLATE**
SCALE: N.T.S.



11 S1 **CABLE AT INTERMEDIATE POST**
SCALE: N.T.S.



12 S1 **CABLE END CONNECTION**
SCALE: N.T.S.

DEFERRED SUBMITTALS

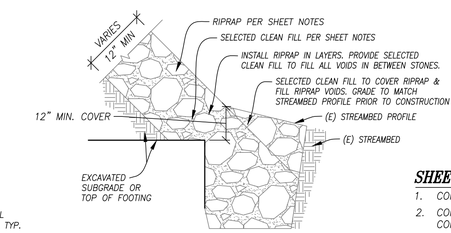
1. PRECAST 3-SIDED BRIDGE UNIT
2. CAST-IN-PLACE CONCRETE FOOTING

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% ±1.5% (3/4" NOMIAL AGGREGATE SIZE).
   B. 6% ±1.5% (1/2" NOMIAL 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.



13 S1 **RIPRAP PLACEMENT**
SCALE: N.T.S.

SHEET NOTES:

1. CONTRACTOR TO VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
2. CONDITIONS NOT SPECIFICALLY DETAILED 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 ¾"-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.

STATEMENT OF SPECIAL INSPECTION

TABLE 1705.3
REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

TYPE	CONT.	PERIODIC	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

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REVISIONS:

No.	DESCRIPTION	DATE

CLEVELAND STREET
CAPITAL IMPROVEMENT PROJECT

DRAWN BY:
CHECKED BY:
DATE: 12/12/2024
Sheet No. S1
JOB No. 23-001C

Z:\2023\23-001C Cottage Grove South Road & Bridge Feasibility\Civil\Design\Site Layout\Bridge\23-001C Bridge.dwg 12/12/2024 5:31 PM UDOATHL