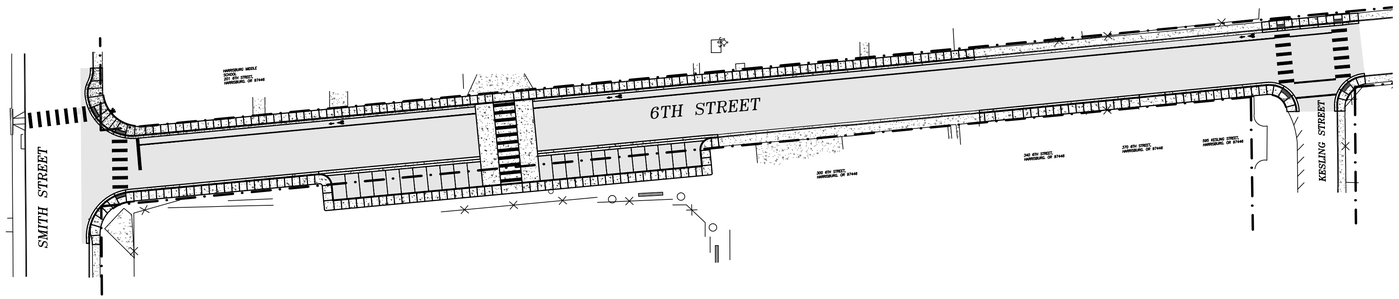
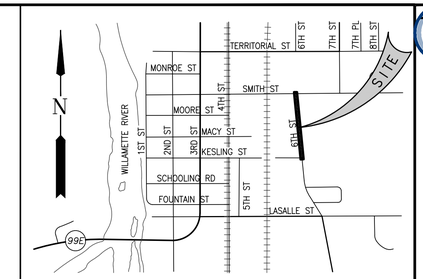
CITY OF HARRISBURG
6TH STREET RECONSTRUCT
FROM SMITH STREET TO KESLING STREET
HARRISBURG, OREGON





VICINITY MAP SCALE: 1"=2000'

UTILITY REPRESENTATIVES

ELECTRICAL

PACIFIC POWER HARRISBURG DISTRICT
CONTACT: NICOLE WILLIS
P.O. BOX 248
ALBANY, OR 97322
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EMAIL: nicole.willis@pacificorp.com

WATER, WASTEWATER, STORM SEWER & CITY FIBER OPTICS

CITY OF HARRISBURG
CONTACT: CHUCK SCHOLZ, PUBLIC WORKS DIRECTOR
120 SMITH STREET P.O. BOX 378
HARRISBURG, OR 97446
PHONE: (541) 995-6655
EMAIL: cscholz@ci.harrisburg.org

GAS SERVICES

NW NATURAL
CONTACT: MONTE BROWN
790 GOODPASTURE ISLAND ROAD
EUGENE, OR 97401
PHONE: 800-422-4012 X 8338
EMAIL: monte.brown@nwnatural.com

COMMUNICATION SERVICES

CENTURY LINK/LUMEN
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CONTACT: MARK STANFIELD
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or
CONTACT: SHANE QUIMBY
PHONE: (541) 228-7521
EMAIL: shane.quimby@charter.com

LEGEND

EXISTING

- PROPERTY LINE
- ADJOINER PROPERTY LINE
- CURB
- EDGE OF ASPHALT
- (E)OHP — OVERHEAD WIRES
- (E)G — (E)G — GAS LINE
- (E)SD — STORMWATER LINE
- (E)WW — WASTEWATER LINE
- (E)W — WATER LINE
- (E)T — UNDERGROUND TELEPHONE LINE
- 459 — CONTOUR LINE
- FENCE
- EDGE OF GRAVEL LINE
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- WATER IRRIGATION VALVE
- HOSE BIB
- WATER FOUNTAIN
- WASTEWATER MANHOLE
- STORM DRAIN MANHOLE
- CURB INLET
- CATCH BASIN
- MAIL BOX
- SIGN
- GUY WIRE
- ELECTRIC POLE
- TELEPHONE RISER
- GAS VALVE
- BOLLARD
- CONCRETE
- BUILDING
- DECIDUOUS TREE
- EVERGREEN TREE

PROPOSED

- CURB
- SD — SD — STORMWATER LINE
- W — W — WATER LINE
- 459 — CONTOUR LINE
- FENCE
- CONCRETE
- ASPHALT
- FIRE HYDRANT
- WATER METER
- STORM DRAIN MANHOLE
- CATCH BASIN
- MAIL BOX
- SIGN
- WATER FOUNTAIN

ABBREVIATIONS

TC	TOP OF CURB	VERT.	VERTICAL
GL	GUTTER LINE	ODOT	OREGON DEPARTMENT OF TRANSPORTATION
C	CONCRETE	PC	POINT OF CURVATURE
AC	ASPHALT CONCRETE	PT	POINT OF TANGENCY
BW	BACK OF WALK	PVI	POINT OF VERTICAL INTERSECTION
HMAC	HOT MIX ASPHALT	LVC	LENGTH OF VERTICAL INTERSECTION
MAX.	MAXIMUM	BVCS	BEGIN VERTICAL CURVE STATION
MIN.	MINIMUM	EVCS	END VERTICAL CURVE STATION
PSI	POUNDS PER SQUARE INCH	BVCE	BEGIN VERTICAL CURVE ELEVATION
STA.	STATION	EVCE	END VERTICAL CURVE ELEVATION
HWY.	HIGHWAY	PCC	POINT OF COMPOUND CURVE
STD.	STANDARD	PRC	POINT OF REVERSE CURVE
DWG	DRAWING	CL	CENTERLINE
W/L	WATERLINE	L	LEFT
EX.	EXISTING	R	RIGHT
PROP.	PROPOSED	WW	WASTEWATER
SAN	SANITARY	SS	SANITARY SEWER
LAT	LATERAL	SD	STORM DRAIN
IE	INVERT ELEVATION	STM	STORM
ELEV.	ELEVATION	MH	MANHOLE
FG	FINISHED GRADE	CB	CATCH BASIN
EG	EXISTING GRADE	DCVA	DOUBLE CHECK VALVE ASSEMBLY
HORZ.	HORIZONTAL	CI	CURB INLET

OWNER

CITY OF HARRISBURG
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CIVIL ENGINEER

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SURVEYOR

BRANCH ENGINEERING
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E-MAIL: dann@branchengineering.com

SITE DATA

SITE ADDRESS

6th ST.
HARRISBURG, OR
97446

DISTURBANCE AREA

1.03 AC

ELEVATION DATUM

ELEVATIONS SHOWN HEREON ARE IN NAVD'88 AS MEASURED BY GPS UNLESS OTHERWISE NOTED.

SHEET #	SHEET TITLE
C0.0	COVER SHEET
C0.1	GENERAL NOTES
C0.2	TYPICAL SECTIONS
C0.3	TYPICAL SECTIONS
C1.0	EXISTING CONDITIONS AND DEMO
C2.0	PROPOSED IMPROVEMENTS
C2.1	PROPOSED IMPROVEMENTS
C2.2	CURB RETURN DATA
C3.0	ADA RAMP DETAILS
C3.1	ADA RAMP DETAILS
C3.2	RAISED CROSSWALK DETAILS
C4.0	STRIPING AND SIGNAGE
C5.0	DETAILS
C5.1	DETAILS
C5.2	DETAILS
C5.3	DETAILS
C5.4	DETAILS
C5.5	DETAILS
EC0.0	EROSION CONTROL COVER & NOTES
EC0.1	EROSION CONTROL NOTES
EC1.0	EROSION CONTROL EXISTING CONDITIONS AND DEMO PLAN
EC2.0	EROSION CONTROL SITE PLAN
EC3.0	EROSION CONTROL DETAILS

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Springfield, OR 97477
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REGISTERED PROFESSIONAL ENGINEER
#62780PE
DIGITALLY SIGNED
OREGON
JULY 13, 2004
DAMIEN GILBERT
Expires: June 30, 2025

project title:

Digitally signed by Damien Gilbert
Date: 2024.05.09 09:00:12 -07'00'

HARRISBURG 6TH STREET RECONSTRUCT
FROM SMITH STREET TO KENSLING STREET
HARRISBURG, OREGON

revisions:

date: MAY 7, 2024
drawn by: ST
designer: ST/JL
project no: 23-009A

COVER SHEET

sheet: **C0.0**

GENERAL CONSTRUCTION NOTES

1. CONTRACTOR SHALL PROCURE, AND CONFORM TO ALL CONSTRUCTION PERMITS REQUIRED BY THE CITY OF HARRISBURG, LINN COUNTY AND ODOT.

2. 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).

3. CONTRACTOR TO NOTIFY CITY, COUNTY 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.

4. 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.

5. ALL MATERIALS AND WORKMANSHIP FOR FACILITIES IN STREET RIGHT-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).

6. 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.

7. 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.

8. ANY INSPECTION BY THE CITY, COUNTY 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.

9. 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 OWNER'S REPRESENTATIVE UPON REQUEST. FAILURE TO CONFORM TO THIS REQUIREMENT MAY RESULT IN DELAY IN PAYMENT AND/OR FINAL ACCEPTANCE OF THE PROJECT.

10. 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.

11. CONTRACTOR SHALL CONFORM TO DEQ STORMWATER PERMIT NO. 1200C FOR CONSTRUCTION ACTIVITIES WHERE 1 ACRE OR MORE ARE DISTURBED.

12. 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 ALLOWED IF USED IN CONJUNCTION WITH THE ESTABLISHED CONSTRUCTION CONTROL MENTIONED ABOVE.

13. CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, TRAFFIC CONES PER CITY AND COUNTY REQUIREMENTS IN ACCORDANCE WITH THE MUTCD (INCLUDING OREGON AMENDMENTS). ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS AND/OR RESIDENTS REGARDING ACCESS DURING CONSTRUCTION. 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, COUNTY AND ODOT FOR REVIEW AND ISSUANCE OF A LANE CLOSURE OR WORK IN RIGHT-OF-WAY PERMIT

14. 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.

15. 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.

16. 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.

17. 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.

18. 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.

19. 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 OWNER'S REPRESENTATIVE.

20. 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.

21. 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.

22. 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.

23. 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.

24. 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.

25. 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 CITY'S REPRESENTATIVE MAY (AT HIS DISCRETION) REQUIRE THE CONTRACTOR TO INSTALL SOD TO COVER SUCH DISTURBED AREAS.

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

27. 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.

28. ALL PIPES SHALL BE BEDDED WITH MINIMUM 6-INCHES OF 1"-0 CRUSHED ROCK BEDDING AND BACKFILLED WITH COMPACTED 1"-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% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR).

29. GRANULAR TRENCH BEDDING AND BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF OSSC (ODOT/APWA) 02630.10 (DENSE GRADED BASE AGGREGATE), 1"-0. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, COMPACT GRANULAR BACKFILL TO 95% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR).

30. 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.

31. 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.

32. ALL NON-METALLIC WATER, SANITARY AND STORM SEWER PIPING SHALL HAVE AN ELECTRICALLY CONDUCTIVE INSULATED 12 GAUGE 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.

33. 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.

34. CITY FORCES TO OPERATE ALL VALVES, INCLUDING FIRE HYDRANTS, ON EXISTING PUBLIC MAINS.

35. ALL WATER MAINS AND SANITARY SEWER FORCE MAINS SHALL BE C-900 PVC (DR 18) RESPECTIVELY. ALL FITTINGS 4-INCHES THROUGH 24-INCHES IN DIAMETER SHALL BE DUCTILE IRON FITTINGS IN CONFORMANCE WITH AWWA C-153 OR AWWA C-110. THE MINIMUM WORKING PRESSURE FOR ALL MJ CAST IRON OR DUCTILE IRON FITTINGS 4-INCHES THROUGH 24-INCH IN DIAMETER SHALL BE 350 PSI FOR MJ FITTINGS AND 250 PSI FOR FLANGED FITTINGS.

36. ALL WATER MAINS TO BE INSTALLED WITH A MINIMUM 36 INCH COVER TO FINISH GRADE UNLESS OTHERWISE NOTED OR DIRECTED. WATER SERVICE LINES SHALL BE INSTALLED WITH A MINIMUM 30-INCH COVER. DEEPER DEPTHS MAY BE REQUIRED AS SHOWN ON THE DRAWINGS OR TO AVOID OBSTRUCTIONS.

37. 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, ALL VALVES SHALL BE FLANGE CONNECTED TO ADJACENT TEES OR CROSSES.

38. CONTRACTOR SHALL PROVIDE ALL NECESSARY EQUIPMENT AND MATERIALS (INCLUDING PLUGS, BLOWOFFS, VALVES, SERVICE TAPS, ETC.) REQUIRED TO FLUSH, TEST AND DISINFECT WATERLINES PER PUBLIC AGENCY REQUIREMENTS.

39. WHERE SANITARY SEWER LINES CROSS ABOVE OR WITHIN 18-INCHES VERTICAL SEPARATION BELOW A WATERLINE, SEWER MAINS AND/OR SERVICE LATERALS SHALL BE REPLACED WITH A 18-FOOT LENGTH OF CLASS 50 DUCTILE IRON OR C-900 PVC PIPE (DR 18) CENTERED AT THE CROSSING IN ACCORDANCE WITH OAR 333 AND LOCAL JURISDICTION REQUIREMENTS. CONNECT TO EXISTING SEWER LINES WITH APPROVED RUBBER COUPLINGS. EXAMPLE: FOR AN 8-INCH WATERLINE WITH 36-INCHES COVER, 4-INCH SERVICE LATERAL INVERTS WITHIN 5.67-FEET (68-INCHES) OF FINISH GRADE MUST BE DI OR C-900 PVC AT THE CROSSING. CENTER ONE FULL LENGTH OF WATERLINE PIPE AT POINT OF CROSSING THE SEWER LINE OR SEWER LATERAL.

40. CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS, EQUIPMENT AND FACILITIES TO TEST 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.

41. 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.

42. CONTRACTOR TO COORDINATE AND NOTIFY WITH ALL PROPERTY OWNERS A MINIMUM OF 48 HOURS IN ADVANCE WHENEVER A CITY'S UTILITY (WATER, SEWER, &/OR STORM) SERVICE WILL BE DISRUPTED FOR ANY AMOUNT OF TIME.

REQUIRED TESTING AND FREQUENCY TABLE		PARTY RESPONSIBLE FOR PAYMENT		
		CONTRACTOR		OTHERS (see note 1)
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	
WATER				
PRESSURE TEST	(TO BE WITNESSED BY OWNER'S REPRESENTATIVE OR APPROVING AGENCY)	X	SEE NOTE 4	
BACTERIAL WATER TEST	PER OREGON HEALTH DIVISION	X	SEE NOTE 2	
CHLORINE RESIDUAL TEST	PER CITY REQUIREMENTS	X	SEE NOTE 2	
SANITARY 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 COMPANY.

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.

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REGISTERED PROFESSIONAL ENGINEER
#62780PE
DIGITALLY SIGNED
OREGON
JULY 13, 2004
DAMIEN GILBERT
Expires: June 30, 2025

project title:

HARRISBURG 6TH STREET RECONSTRUCT

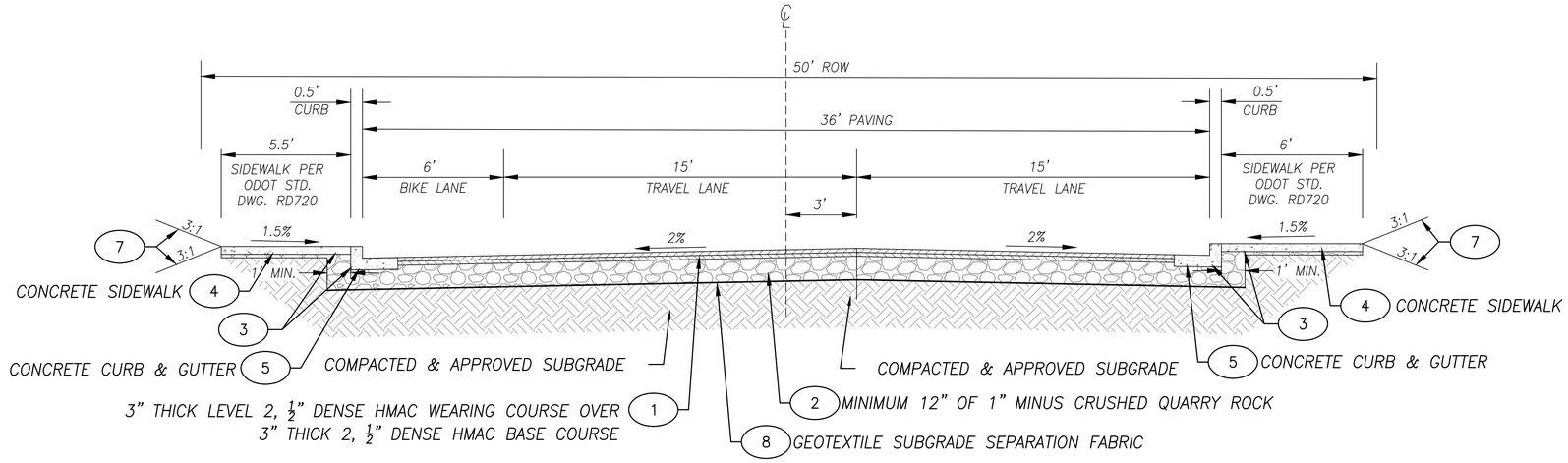
FROM SMITH STREET TO KENSLING STREET
HARRISBURG, OREGON

revisions:

date: MAY 7, 2024
drawn by: ST
designer: ST/JL
project no: 23-009A

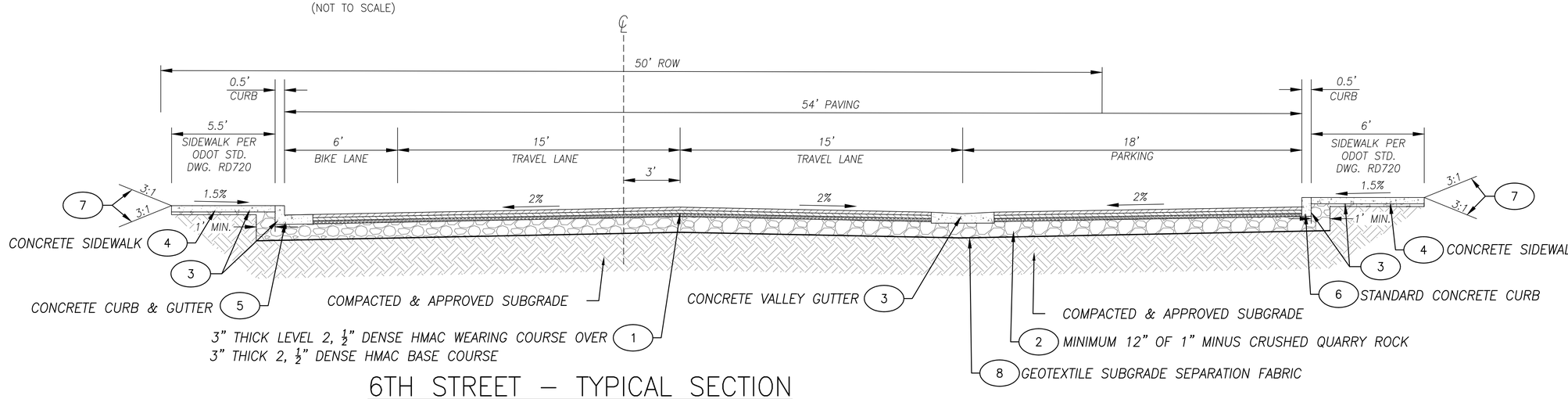
NOTES

sheet: C0.1



6TH STREET – TYPICAL SECTION

STA 0+18 TO 1+73 & STA 8+02 TO 8+45
(NOT TO SCALE)



6TH STREET – TYPICAL SECTION

STA 1+73 TO 4+38
(NOT TO SCALE)

CONSTRUCTION NOTES

1. PAVEMENT BASE COURSE SHALL BE ONE 3" LIFT OF LEVEL 2, ½" DENSE GRADED HMAC. WEARING COURSE SHALL BE ONE 3" LIFT OF LEVEL 2, ½" DENSE GRADED HMAC. FOLLOW 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
2. BASE ROCK SHALL BE 12" MIN. 1" MINUS CRUSHED QUARRY ROCK AGGREGATE. AGGREGATE SHALL BE COMPACTED TO 95% RELATIVE MAXIMUM DENSITY AS DETERMINED BY AASHTO T–180. FOLLOW 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
3. PORTLAND CEMENT CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI WITHIN 28 DAYS. FOLLOW 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
4. CONCRETE SIDEWALK TO BE 4" THICK PER ODOT STD DWG RD720, SHEET C5.1 OVER 4" OF 1" MINUS CRUSHED QUARRY ROCK.
5. CONCRETE CURB & GUTTER PER ODOT STD DWG RD700, SHEET C5.1, 6" CURB EXPOSURE AND 4% GUTTER PAN SLOPE.
6. CONCRETE STANDARD CURB PER ODOT STD DWG RD700, SHEET C5.1.
7. PLACE TOPSOIL (2" THICK) AND GRASS SEED MIX PER OREGON STANDARD SPECIFICATIONS SECTION 01040.14 AND 1030.13 LAWN SEED MIX TO BE APPROVED BY CITY.
8. GEOTEXTILE SUBGRADE SEPARATION FABRIC PER ODOT STANDARDS OR APPROVE EQUIVALENT.

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revisions:

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drawn by:	ST
designer:	ST/JL
project no:	23-009A

TYPICAL SECTIONS

sheet: **C0.2**

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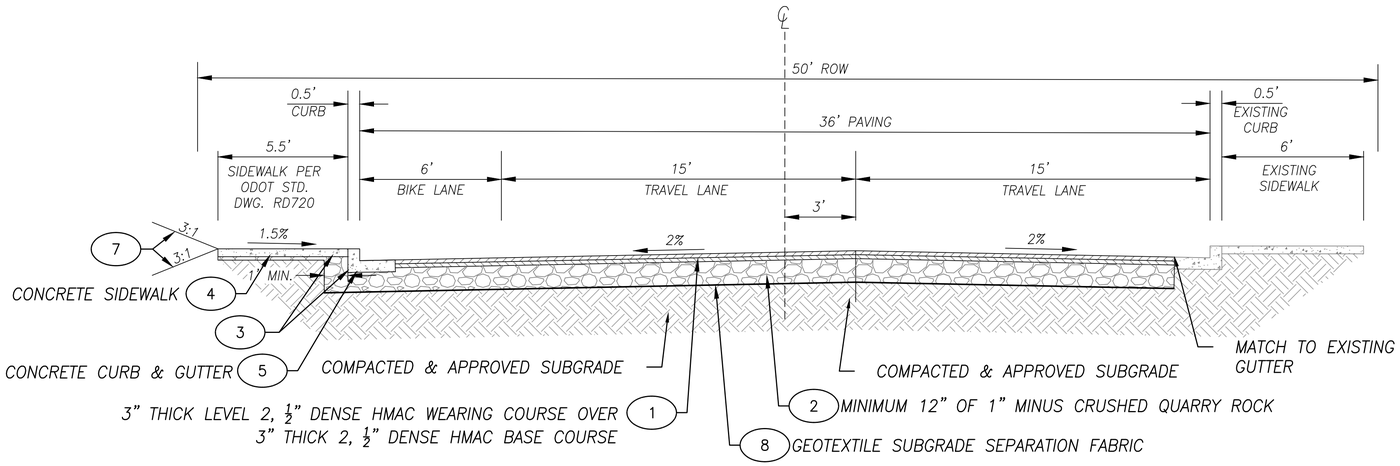
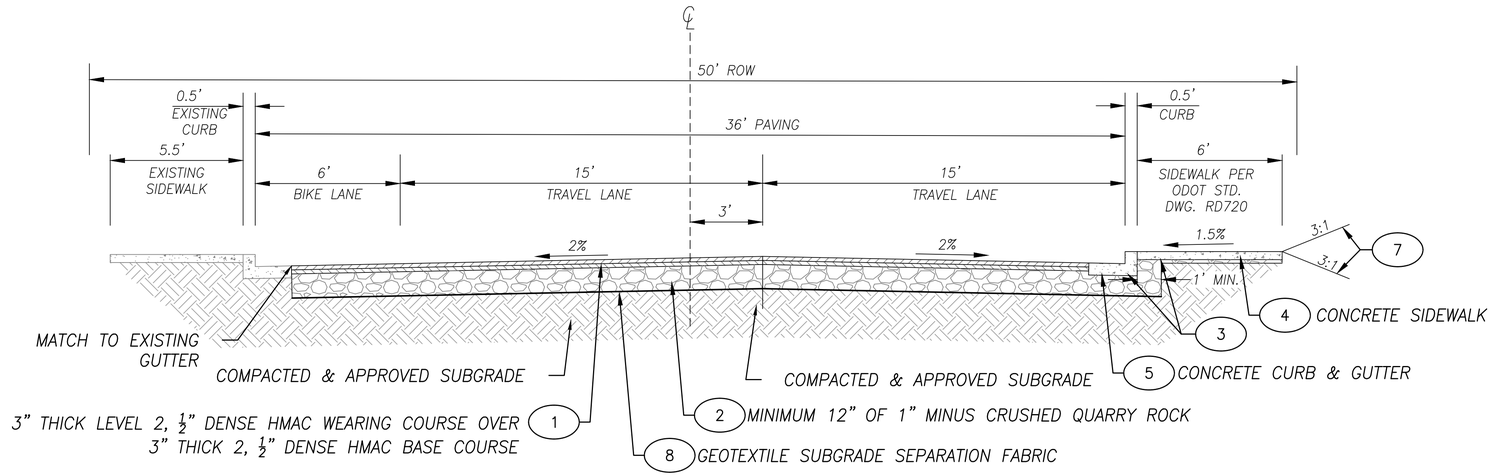


6TH STREET – TYPICAL SECTION

STA 4+38 TO 6+11
(NOT TO SCALE)



6TH STREET – TYPICAL SECTION

STA 6+11 TO 8+02
(NOT TO SCALE)

CONSTRUCTION NOTES

1. PAVEMENT BASE COURSE SHALL BE ONE 3" LIFT OF LEVEL 2, ½" DENSE GRADED HMAC. WEARING COURSE SHALL BE ONE 3" LIFT OF LEVEL 2, ½" DENSE GRADED HMAC. FOLLOW 2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
2. BASE ROCK SHALL BE 12" MIN. 1" MINUS CRUSHED QUARRY 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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5. CONCRETE CURB & GUTTER PER ODOT STD DWG RD700, SHEET C5.1, 6" CURB EXPOSURE AND 4% GUTTER PAN SLOPE.
7. PLACE TOPSOIL (2" THICK) AND GRASS SEED MIX PER OREGON STANDARD SPECIFICATIONS SECTION 01040.14 AND 1030.13 LAWN SEED MIX TO BE APPROVED BY CITY.
8. GEOTEXTILE SUBGRADE SEPARATION FABRIC PER ODOT STANDARDS OR APPROVE EQUIVALENT.

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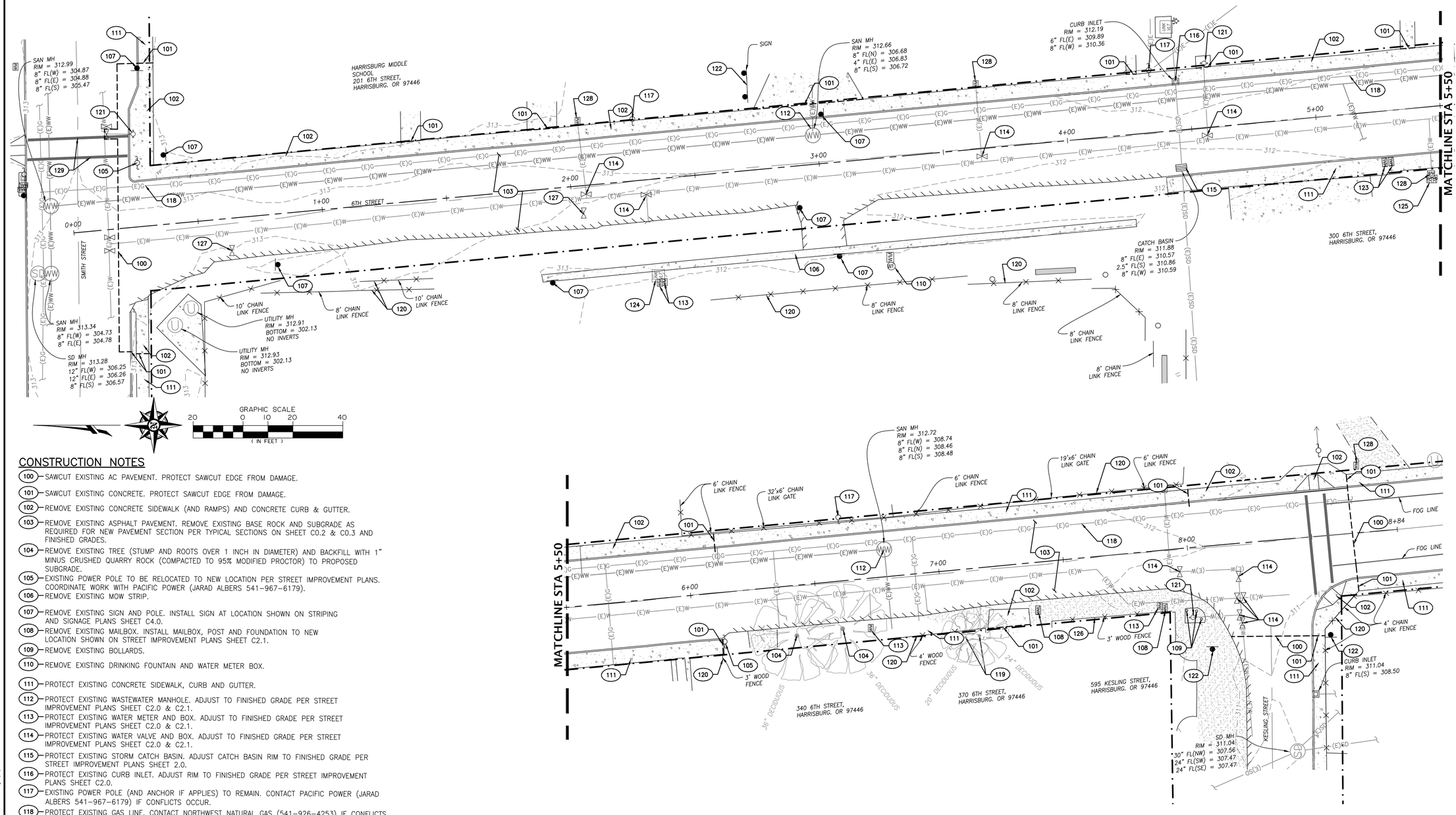
project no:	23-009A

TYPICAL SECTIONS

sheet: **C0.3**



CONSTRUCTION NOTES

100 — SAWCUT EXISTING AC PAVEMENT. PROTECT SAWCUT EDGE FROM DAMAGE.

101 — SAWCUT EXISTING CONCRETE. PROTECT SAWCUT EDGE FROM DAMAGE.

102 — REMOVE EXISTING CONCRETE SIDEWALK (AND RAMPS) AND CONCRETE CURB & GUTTER.

103 — REMOVE EXISTING ASPHALT PAVEMENT. REMOVE EXISTING BASE ROCK AND SUBGRADE AS REQUIRED FOR NEW PAVEMENT SECTION PER TYPICAL SECTIONS ON SHEET C0.2 & C0.3 AND FINISHED GRADES.

104 — REMOVE EXISTING TREE (STUMP AND ROOTS OVER 1 INCH IN DIAMETER) AND BACKFILL WITH 1" MINUS CRUSHED QUARRY ROCK (COMPACTED TO 95% MODIFIED PROCTOR) TO PROPOSED SUBGRADE.

105 — EXISTING POWER POLE TO BE RELOCATED TO NEW LOCATION PER STREET IMPROVEMENT PLANS. COORDINATE WORK WITH PACIFIC POWER (JARAD ALBERS 541-967-6179).

106 — REMOVE EXISTING MOW STRIP.

107 — REMOVE EXISTING SIGN AND POLE. INSTALL SIGN AT LOCATION SHOWN ON STRIPING AND SIGNAGE PLANS SHEET C4.0.

108 — REMOVE EXISTING MAILBOX. INSTALL MAILBOX, POST AND FOUNDATION TO NEW LOCATION SHOWN ON STREET IMPROVEMENT PLANS SHEET C2.1.

109 — REMOVE EXISTING BOLLARDS.

110 — REMOVE EXISTING DRINKING FOUNTAIN AND WATER METER BOX.

111 — PROTECT EXISTING CONCRETE SIDEWALK, CURB AND GUTTER.

112 — PROTECT EXISTING WASTEWATER MANHOLE. ADJUST TO FINISHED GRADE PER STREET IMPROVEMENT PLANS SHEET C2.0 & C2.1.

113 — PROTECT EXISTING WATER METER AND BOX. ADJUST TO FINISHED GRADE PER STREET IMPROVEMENT PLANS SHEET C2.0 & C2.1.

114 — PROTECT EXISTING WATER VALVE AND BOX. ADJUST TO FINISHED GRADE PER STREET IMPROVEMENT PLANS SHEET C2.0 & C2.1.

115 — PROTECT EXISTING STORM CATCH BASIN. ADJUST CATCH BASIN RIM TO FINISHED GRADE PER STREET IMPROVEMENT PLANS SHEET 2.0.

116 — PROTECT EXISTING CURB INLET. ADJUST RIM TO FINISHED GRADE PER STREET IMPROVEMENT PLANS SHEET C2.0.

117 — EXISTING POWER POLE (AND ANCHOR IF APPLIES) TO REMAIN. CONTACT PACIFIC POWER (JARAD ALBERS 541-967-6179) IF CONFLICTS OCCUR.

118 — PROTECT EXISTING GAS LINE. CONTACT NORTHWEST NATURAL GAS (541-926-4253) IF CONFLICTS OCCUR.

119 — PROTECT EXISTING TREE.

120 — PROTECT EXISTING FENCE.

121 — PROTECT AND ADJUST EXISTING FIRE HYDRANT AS NEEDED PER PROPOSED IMPROVEMENT PLAN SHEETS C2.0 & C2.1.

122 — PROTECT EXISTING SIGNS.

123 — PROTECT EXISTING MAILBOX.

124 — PROTECT EXISTING UTILITY BOX. ADJUST TO FINISHED GRADE PER STREET IMPROVEMENT PLANS SHEET C2.0.

125 — PROTECT EXISTING IRRIGATION BOX. ADJUST TO FINISHED GRADE PER STREET IMPROVEMENT PLANS SHEET C2.0.

126 — REMOVE AND REPLACE EXISTING FENCE PER STREET IMPROVEMENT PLAN SHEET C2.1.

127 — REMOVE ABANDONED WATER VALVE. CONFIRM WITH CITY THE VALVE IS OUT OF SERVICE.

128 — PROTECT EXISTING WATER METER AND BOX.

129 — REMOVE EXISTING STRIPING. INSTALL NEW STRIPING PER STRIPING AND SIGNAGE PLAN SHEET C4.0

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designer:	ST/JL
project no:	23-009A

EXISTING CONDITIONS & DEMO

sheet: **C1.0**

CONSTRUCTION NOTES

(200) CONTRACTOR TO ADD HYDRANT EXTENSION TO EXISTING HYDRANT PER DETAIL RD254, SHEET C5.1.

(201) CONTRACTOR TO ADJUST EXISTING WATER VALVE BOX TO PROPOSED FINISHED GRADE PER DETAIL RD258 SHEET C5.4.

(202) CONTRACTOR TO ADJUST EXISTING WATER METER BOX TO PROPOSED FINISHED GRADE PER DETAIL RD274 SHEET C5.4.

(203) CONTRACTOR TO ADJUST EXISTING UTILITY BOX TO PROPOSED FINISHED GRADE.

(300) CONTRACTOR TO ADJUST EXISTING WASTEWATER MANHOLE TO PROPOSED FINISHED GRADE PER DETAIL RD338 SHEET C5.4.

(400) EXISTING STORM LINE TO REMAIN IN SERVICE.

(401) CONNECT NEW STORM PIPE TO EXISTING CURB INLET BY CORING AND USING APPROPRIATE COUPLINGS AND FITTINGS.

(402) FURNISH AND INSTALL 10" DUCTILE IRON STORM PIPE. CLASS B BEDDING AND BACKFILL. SEE ODOT TYPICAL TRENCH DETAIL RD300, SHEET 5.4.

(403) CONSTRUCT G-2 CONCRETE CATCH BASIN PER ODOT STD DWG RD364, SHEET 5.0. SEE PROFILE FOR RIM AND PIPE ELEVATIONS.

(404) CONSTRUCT CG-3 CONCRETE CURB INLET PER ODOT STD DWG RD371 & RD373, SHEET 5.0. SEE PROFILE FOR RIM AND PIPE ELEVATIONS.

(500) RELOCATED LIGHT POLE. COORDINATE WORK WITH PACIFIC POWER (JARAD ALBERS 541-967-6179).

(600) CONSTRUCT PAVEMENT SECTION, CURB & GUTTER OR STANDARD CURB, AND SIDEWALK PER TYPICAL SECTIONS, SHEET C0.2 & C0.3.

(601) CONSTRUCT CONCRETE RAISED CROSSWALK PER DETAIL SHEET C3.2. PLACE OVER 12" MIN THICKNESS OF 1" MINUS CRUSHED QUARRY ROCK.

(602) CONSTRUCT CONCRETE CURB & GUTTER PER ODOT STD DWG RD700, SHEET C5.1 AND TYPICAL SECTIONS, SHEET C0.2 & C0.3. DRILL ¾" X 4 ½" HOLES INTO EXISTING GUTTER BAR AND CURB. FILL HOLES WITH EPOXY AND INSERT 8" LONG #5 REBAR INTO HOLE PRIOR TO POURING NEW CURB & GUTTER.

(603) CONSTRUCT CONCRETE VALLEY GUTTER PER ODOT STD DWG RD700, SHEET C5.0 AND TYPICAL SECTIONS SHEET C0.2 & C0.3. PLACE OVER 12" MIN THICKENESS OF 1" MINUS CRUSHED QUARRY ROCK

(604) CONSTRUCT STANDARD CURB PER ODOT STD DWG RD700, SHEET C5.1 AND TYPICAL SECTIONS, SHEET C0.2 & C0.3.

(605) CONSTRUCT ADA RAMP INCLUDING TRUNCATED DOMES. PLACE 4" MINIMUM THICKNESS OF 1" MINUS CRUSHED ROCK UNDER 4" THICK CONCRETE ADA RAMPS AND LANDINGS. SEE SHEET C3.0 FOR DETAILS WITH DIMENSIONS AND SPOT ELEVATIONS. REFER TO ODOT STD DWG RD902 & RD920, SHEET C5.3.

(608) CONSTRUCT 6" CONCRETE CURB, VARY EXPOSURE PER GRADE SHOTS ON SHEET C3.0 & C3.1 PER ODOT STD DWG RD700, SHEET C5.1.

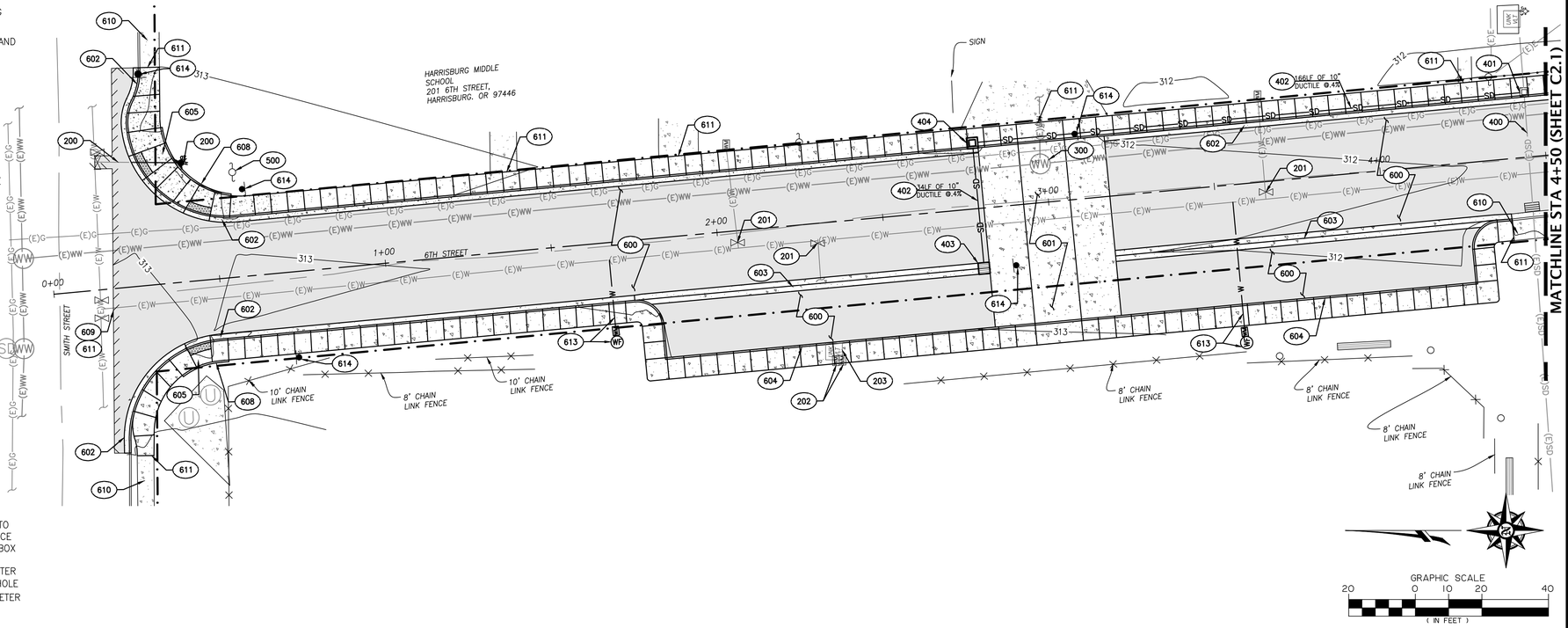
(609) SEAL PAVEMENT JOINT. TACK COAT EXISTING PAVEMENT EDGES. THE MATCHLINE TO EXISTING PAVING SHALL COMPLY WITH ODOT STD DWG RD302, SHEET C5.3.

(610) PROTECT EXISTING CONCRETE SIDEWALK AND CONCRETE CURB & GUTTER.

(611) MATCH EXISTING GRADE.

(613) INSTALL NEW DRINKING FOUNTAIN PER STD DWG TF7070, SHEET C5.5. TAP TO EXISTING WATER MAIN WITH 1" SDR-7 POLYETHYLENE POTABLE WATER SERVICE TUBING AND WATER METER BOX. FURNISH AND INSTALL WATER METER AND BOX PER THE CITY OF HARRISBURG PRE-APPROVED MATERIALS: METER BOX (ARMORCAST PRODUCTS 12"X20"X12" ROTOCAST BOX P6000485), WATER METER LID (ARMORCAST PRODUCTS 12"X20"X1-3/4" RPM COVER W TOUCH READ HOLE A6000484-H1), NEW WATER METER (¾" iPEARL BY SENSUS), BALL ANGLE METER VALVE (1"X¾" MUELLER 300 BALL ANGLE METER, B-24259N). BEDDING AND BACKFILL TO BE 1'-0" CRUSHED QUARRY ROCK

(614) INSTALL SIGN PER STRIPING AND SIGNING PLAN, SHEET C4.0.



GRAPHIC SCALE
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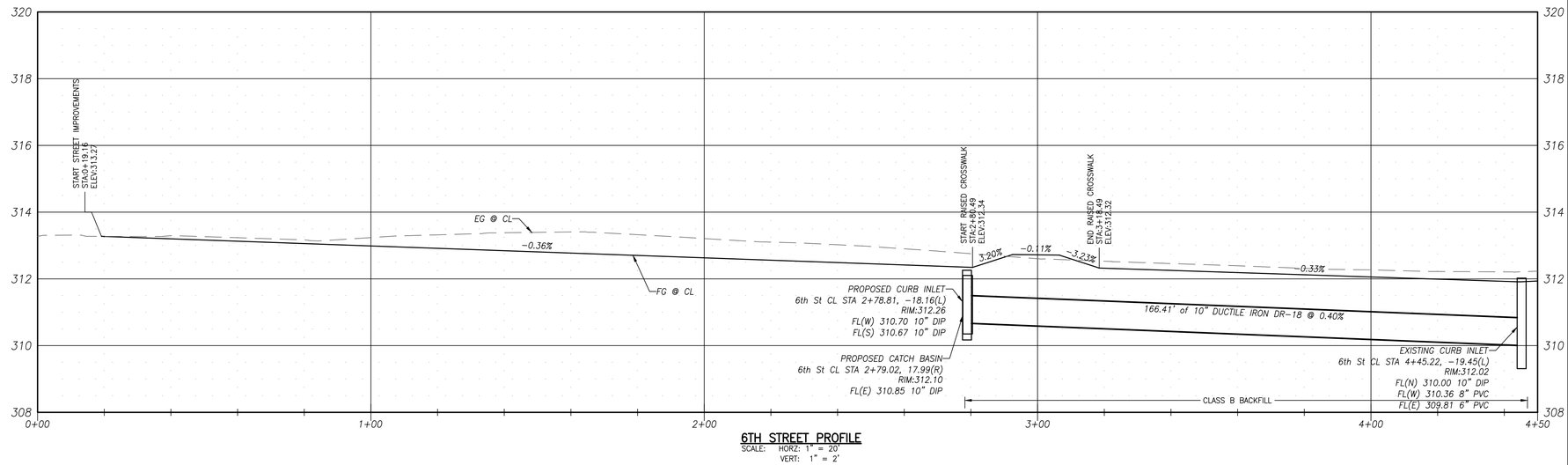
(IN FEET)



6TH STREET PROFILE
SCALE: HORZ: 1" = 20'
VERT: 1" = 2'

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PROPOSED IMPROVEMENTS

sheet:

C2.0

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CONSTRUCTION NOTES

201 — CONTRACTOR TO ADJUST EXISTING WATER VALVE BOX TO PROPOSED FINISHED GRADE PER DETAIL RD258, SHEET C5.4.

202 — CONTRACTOR TO ADJUST EXISTING WATER METER BOX TO PROPOSED FINISHED GRADE PER DETAIL RD274, SHEET C5.4.

300 — CONTRACTOR TO ADJUST EXISTING WASTEWATER MANHOLE TO PROPOSED FINISHED GRADE PER DETAIL RD338, SHEET C5.4.

500 — RELOCATED LIGHT POLE. COORDINATE WORK WITH PACIFIC POWER (JARAD ALBERS 541-967-6179).

600 — CONSTRUCT PAVEMENT SECTION, CURB & GUTTER OR STANDARD CURB, AND SIDEWALK PER TYPICAL SECTIONS, SHEET C0.2 & C0.3.

602 — CONSTRUCT CONCRETE CURB & GUTTER PER ODOT STD DWG RD700, SHEET C5.1 AND TYPICAL SECTIONS, SHEET C0.2 & C0.3. DRILL ¾" X 4 ½" HOLES INTO EXISTING GUTTER BAR AND CURB. FILL HOLES WITH EPOXY AND INSERT 8" LONG #5 REBAR INTO HOLE PRIOR TO POURING NEW CURB & GUTTER.

605 — CONSTRUCT ADA RAMP INCLUDING TRUNCATED DOMES. PLACE 4" MINIMUM THICKNESS OF 1" MINUS CRUSHED ROCK UNDER 4" THICK CONCRETE ADA RAMPS AND LANDINGS. SEE SHEET C3.1 FOR DETAILS WITH DIMENSIONS AND SPOT ELEVATIONS. REFER TO STD DWG RD902 & RD920, SHEET C5.3.

606 — CONSTRUCT CONCRETE DRIVEWAY PER ODOT STD DWG RD750 OPTION N, SHEET C5.1. PLACE 6" MINIMUM THICKNESS 1" MINUS CRUSHED ROCK,

607 — CONSTRUCT CURB ENDING PER ODOT STD DWG RD700, SHEET C5.1.

608 — CONSTRUCT 6" CONCRETE CURB, VARY EXPOSURE PER GRADE SHOTS ON SHEET C3.0 & C3.1 PER ODOT STD DWG RD700, SHEET C5.1.

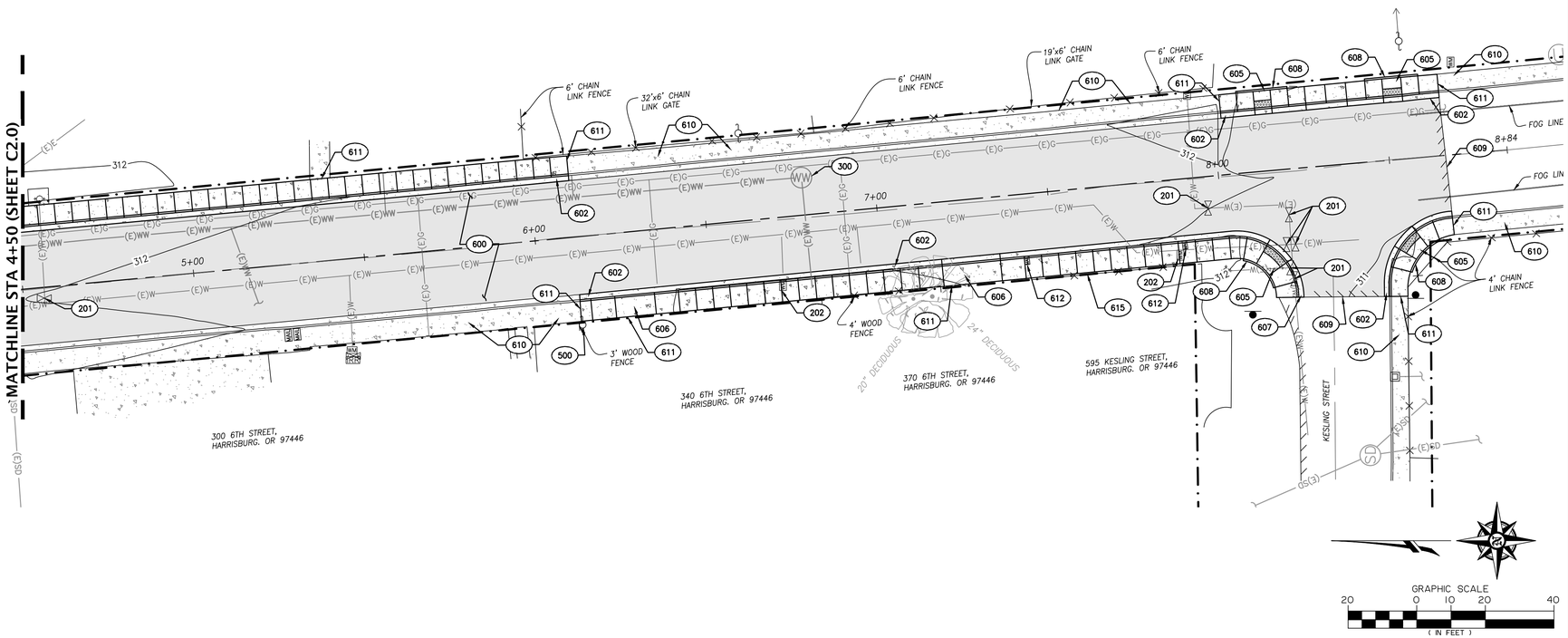
609 — SEAL PAVEMENT JOINT. TACK COAT EXISTING PAVEMENT EDGES. THE MATCHLINE TO EXISTING PAVING SHALL COMPLY WITH ODOT STD DWG RD302, SHEET C5.3.

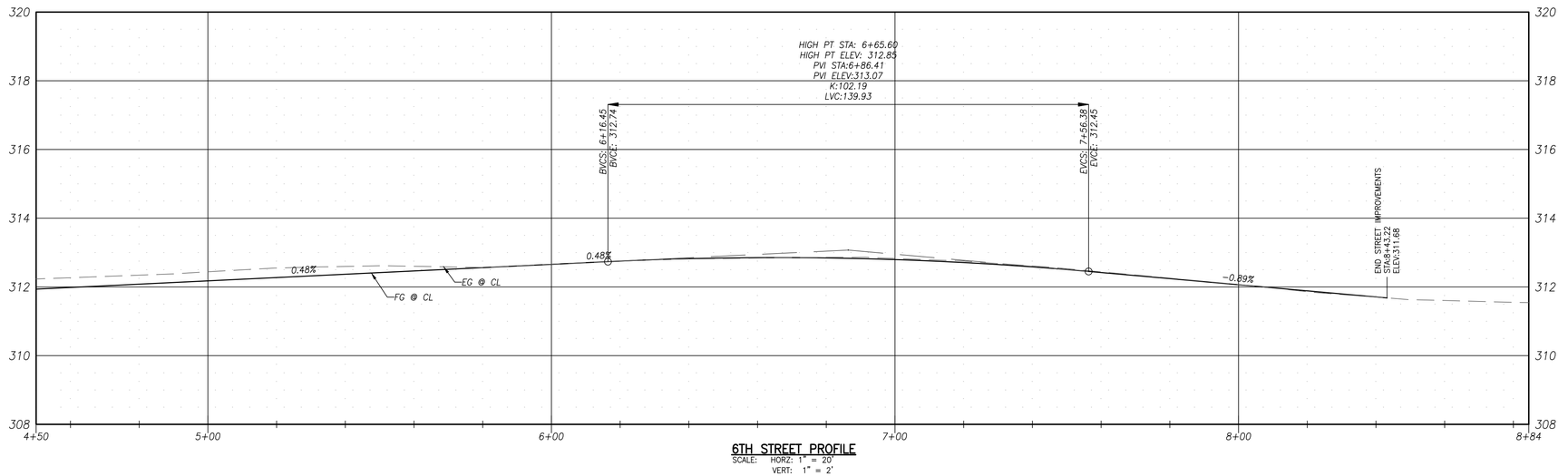
610 — PROTECT EXISTING CONCRETE SIDEWALK AND CONCRETE CURB & GUTTER.

611 — MATCH EXISTING GRADE.

612 — INSTALL MAILBOX IN LOCATION SHOWN ON SINGLE SUPPORT OR MULTIPLE SUPPORT PER ODOT STD DWG RD100, SHEET C5.2.

615 — REINSTALL FENCE IN LOCATION SHOWN AT BACK OF SIDEWALK.





6TH STREET PROFILE
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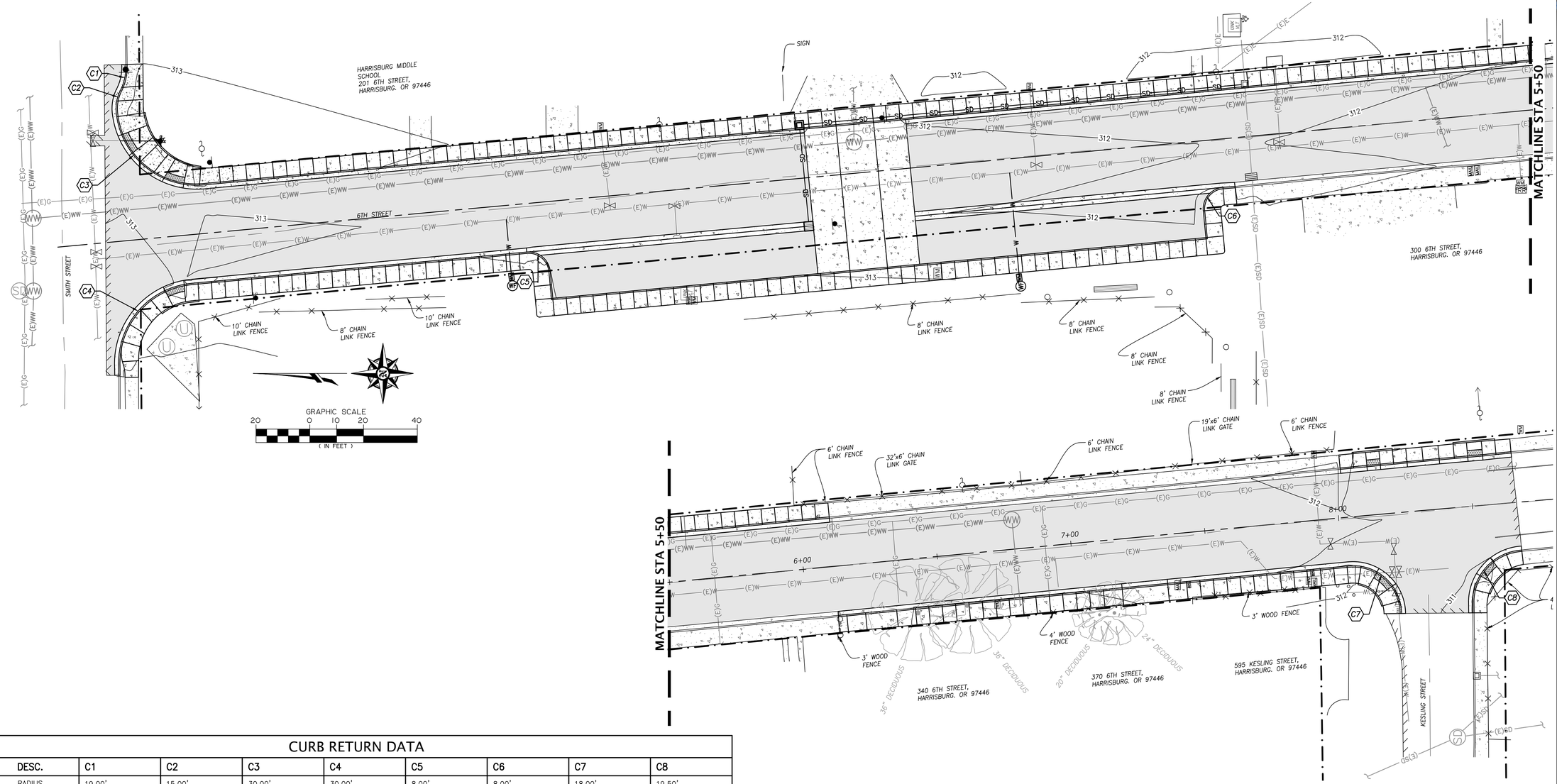

CURB RETURN DATA

DESC.	C1	C2	C3	C4	C5	C6	C7	C8
RADIUS	19.00'	15.00'	30.00'	30.00'	8.00'	8.00'	18.00'	19.50'
LENGTH	10.20'	8.62'	46.75'	44.55'	12.57'	12.27'	29.74	28.07'
DELTA	30.7255	32.9233	89.2758	95.0695	90.0014	87.8460	94.6591	82.4739
PC/PRC/PCC STA	CL STA 0+31.50 (6TH STREET)	CL STA 0+28.50 (6TH STREET)	CL STA 0+26.33 (6TH STREET)	CL STA 0+18.48 (6TH STREET)	CL STA 1+73.56 (6TH STREET)	CL STA 4+25.52 (6TH STREET)	CL STA 8+02.06 (6TH STREET)	CL STA 8+46.67 (6TH STREET)
PC/PRC/PCC OFFSET	65.33' L	55.71' L	47.49' L	45.51' R	17.98' R	26.01' R	18.04' R	39.52' R
PC/PRC/PCC TC ELEV	312.86	312.90	312.94	313.62	312.95	312.39	312.06	311.07
1/2 Δ TC ELEV	312.89	312.75	312.91	313.27	312.98	312.17	311.55	310.65
PT/PRC/PCC TC ELEV	312.90	312.94	313.11	313.13	313.02	312.12	311.14	311.65
PT/PRC/PCC STA	CL STA 0+28.50 (6TH STREET)	CL STA 0+26.33 (6TH STREET)	CL STA 0+56.48 (6TH STREET)	CL STA 0+48.32 (6TH STREET)	CL STA 1+81.58 (6TH STREET)	CL STA 4+33.21 (6TH STREET)	CL STA 8+20.18 (6TH STREET)	CL STA 8+65.83 (6TH STREET)
PT/PRC/PCC OFFSET	55.71' L	47.49' L	18.02' L	18.03' R	25.95' R	18.00' R	37.47' R	17.85' R

TC NOTE:
TOP OF CURB ELEVATIONS IN TABLE ABOVE ASSUME SIX INCHES OF CURB EXPOSURE REGARDLESS OF BEING IN ADA RAMP. FOR EXACT ELEVATIONS SEE ADA RAMP DETAILS INCLUDED IN THIS PLAN SET.

ABBREVIATIONS

GL:	GUTTER LINE
TC:	TOP OF CURB
C:	CONCRETE
FG:	FINISHED GRADE
CL:	CENTERLINE
STA:	STATION
STR:	STREET
PC:	POINT OF CURVATURE
PT:	POINT OF TANGENCY
L:	LEFT
R:	RIGHT
ELEV:	ELEVATION

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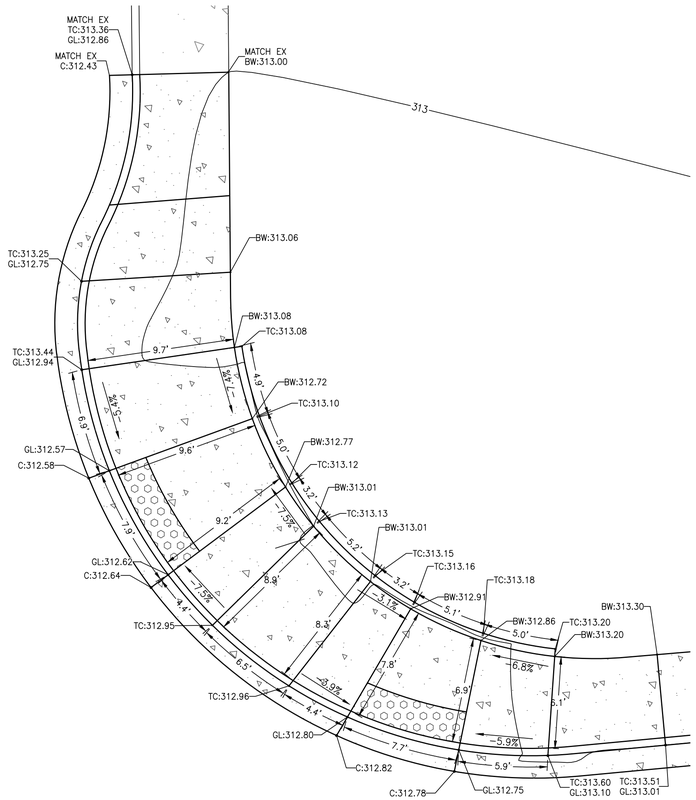
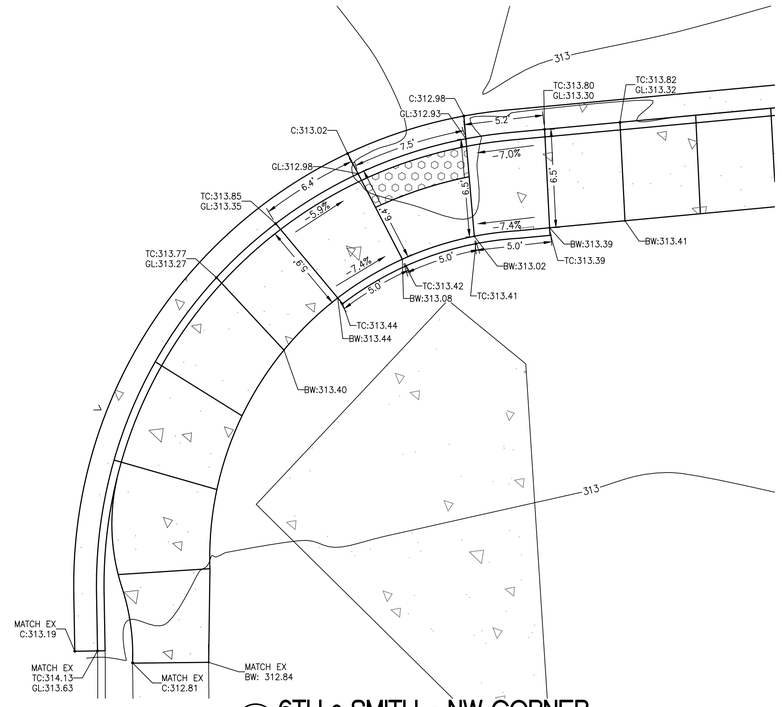


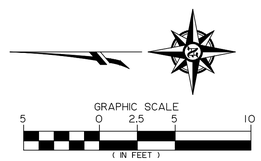
605 C2.0 **6TH @ SMITH - NE CORNER**

SCALE: 1" = 5' ADA CURB RAMP



605 C2.0 **6TH @ SMITH - NW CORNER**

SCALE: 1" = 5' ADA CURB RAMP



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OREGON
JULY 13, 2004
DAMIEN GILBERT
Expires: June 30, 2025

project title:

HARRISBURG 6TH STREET RECONSTRUCT

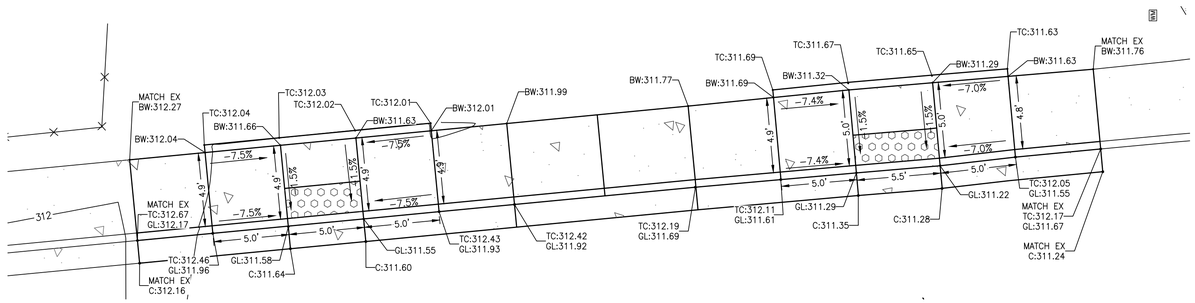
FROM SMITH STREET TO KENSLING STREET
HARRISBURG, OREGON

revisions:

date:	MAY 7, 2024
drawn by:	ST
designer:	ST/JL
project no:	23-009A

ADA DETAILS

sheet: **C3.0**



605 C2.1 **6TH @ KESLING - E INTERSECTION**

SCALE: 1": 5' ADA CURB RAMP

GRAPHIC SCALE
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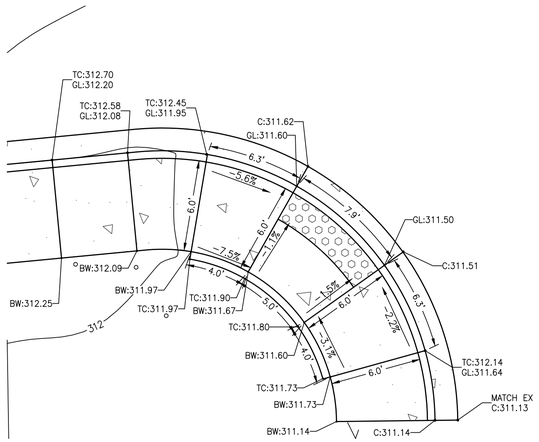
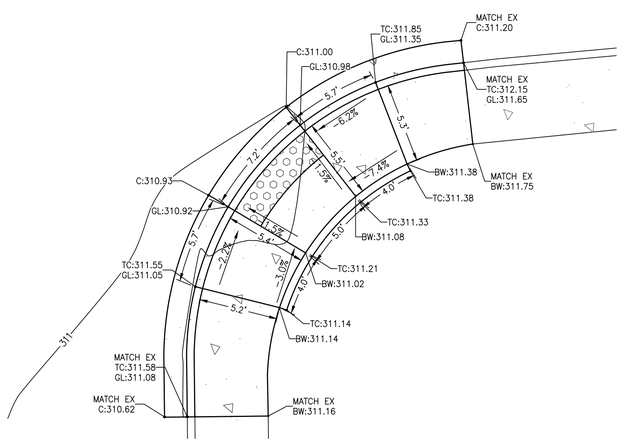
(IN FEET)





605 C2.1 **6TH @ KESLING - W INTERSECTION**

SCALE: 1": 5' ADA CURB RAMP

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project title:

HARRISBURG 6TH STREET RECONSTRUCT

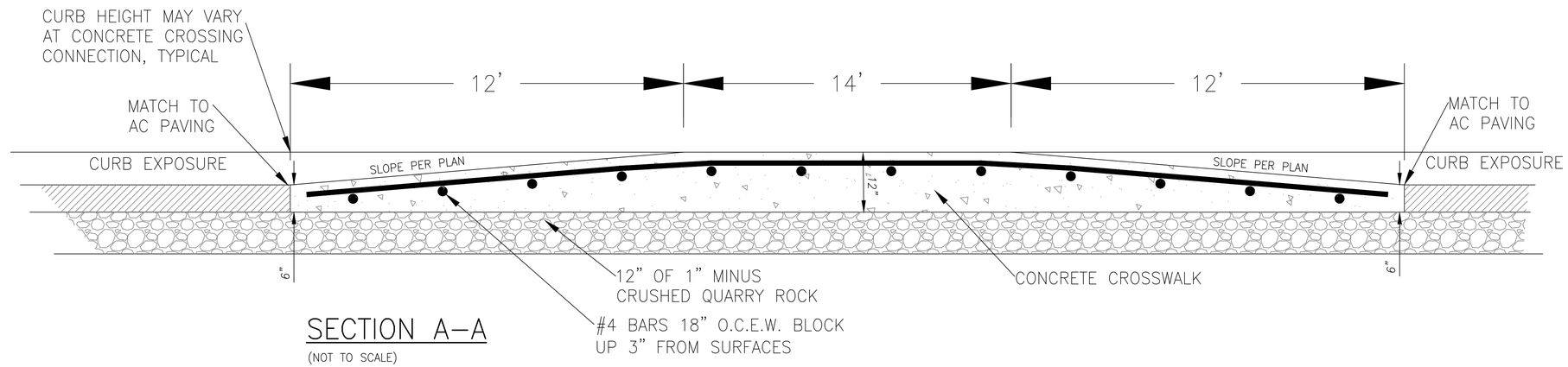
FROM SMITH STREET TO KENSLING STREET
HARRISBURG, OREGON

revisions:

date:	MAY 7, 2024
drawn by:	ST
designer:	ST/JL
project no:	23-009A

ADA DETAILS

sheet: **C3.1**



SECTION A–A
(NOT TO SCALE)

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revisions:

date:	MAY 7, 2024
drawn by:	ST
designer:	ST/JL
project no:	23-009A

CROSSWALK DETAILS

sheet:

C3.2

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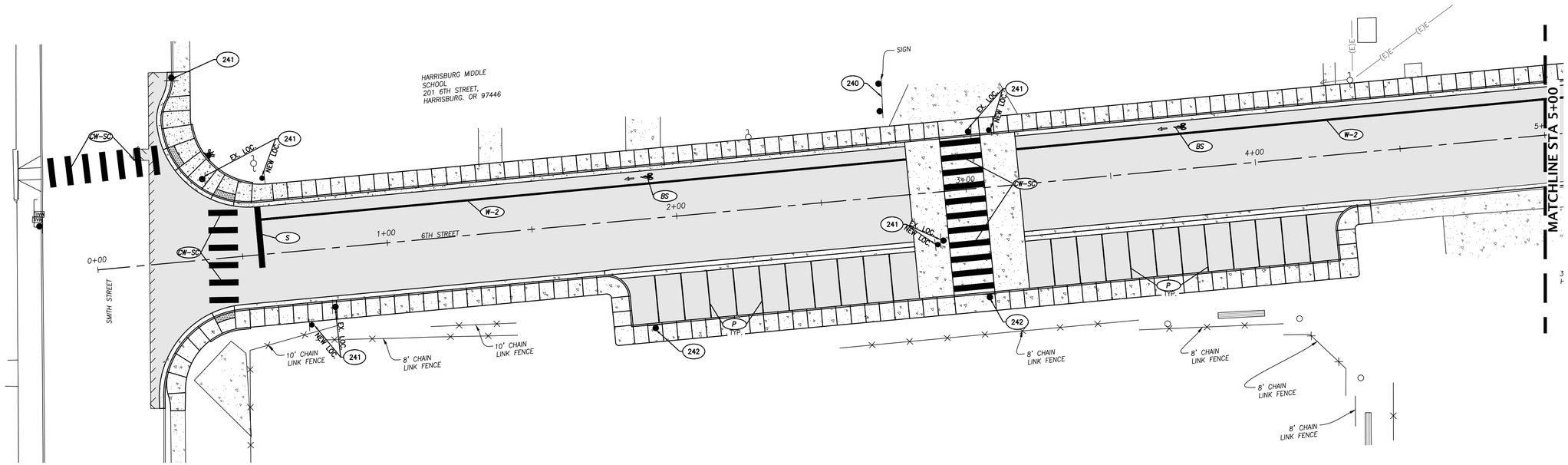

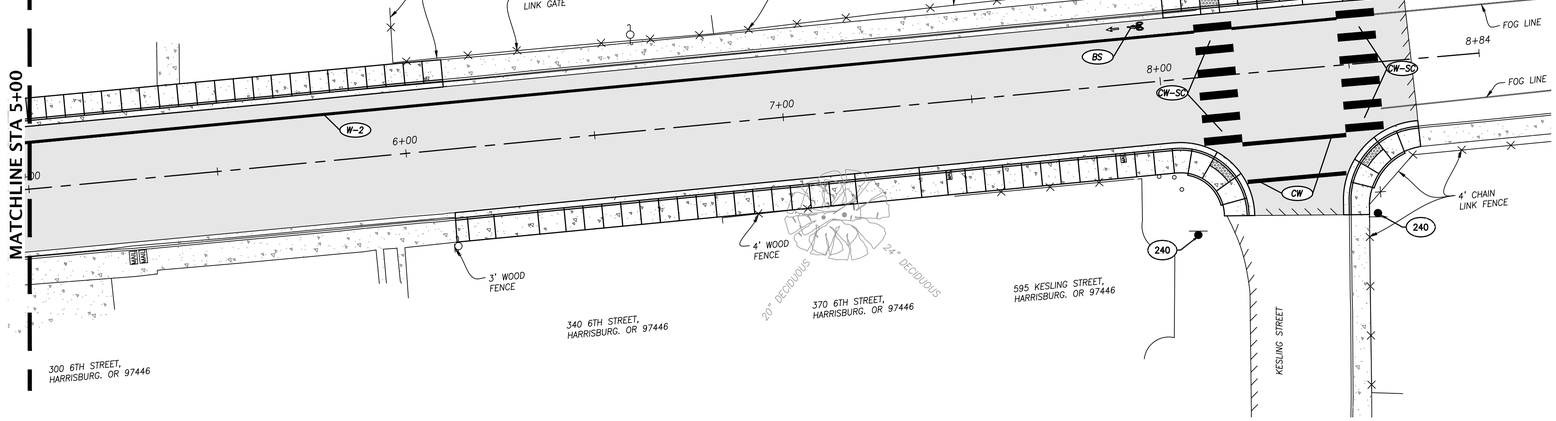

CONSTRUCTION NOTES

- (240) MAINTAIN AND PROTECT EXISTING SIGN.
- (241) RELOCATE EXISTING SIGN ASSEMBLY AND POST TO NEW ANCHOR FOUNDATION PER ODOT STD DWGS TM200, TM681 AND TM687, SHEET C5.2 AT NEW LOCATION SHOWN.
- (242) REMOVE EXISTING SIGN ASSEMBLY.
- (W-2) PROVIDE AND INSTALL 8" WHITE LINE PER ODOT STD DWG TM500, SHEET C5.5.
- (S) PROVIDE AND INSTALL (S) STANDARD 1'-0" STOP BAR PER ODOT STD DWG TM503, SHEET C5.5.
- (P) PROVIDE AND INSTALL 4" WHITE LINE FOR 18'X8' PULL-IN PARKING PER ODOT STD DWG TM500, SHEET C5.5.
- (CW) INSTALL STANDARD CROSSWALK STRIPING AND SIGNING PER DETAIL TM503, SHEET C5.5.
- (CW-SC) INSTALL STAGGERED CONTINENTAL CROSSWALK STRIPING AND SIGNING PER DETAIL TM503, SHEET C5.5.
- (BS) PROVIDE AND INSTALL (S) STANDARD BIKE LANE STENCIL (WHITE) PER ODOT STD DWG TM503, SHEET C5.5.

ALL STRIPING MATERIALS SHALL COMPLY WITH CURRENT OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION (2024 EDITION OR NEWER) AND SHALL BE INSTALLED PER CURRENT OREGON STANDARD DRAWINGS, MODIFIED AS DESCRIBED HEREIN, WHERE APPLICABLE.

TRANSVERSE MARKINGS AND LEGENDS SHALL BE TYPE B-HS PREFORMED FUSED THERMOPLASTIC FILM HIGH SKID.

GRAPHIC SCALE
20 0 10 20 40
(IN FEET)

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revisions:

date:	MAY 7, 2024
drawn by:	ST
designer:	ST/JL
project no:	23-009A

STRIPING

sheet: **C4.0**

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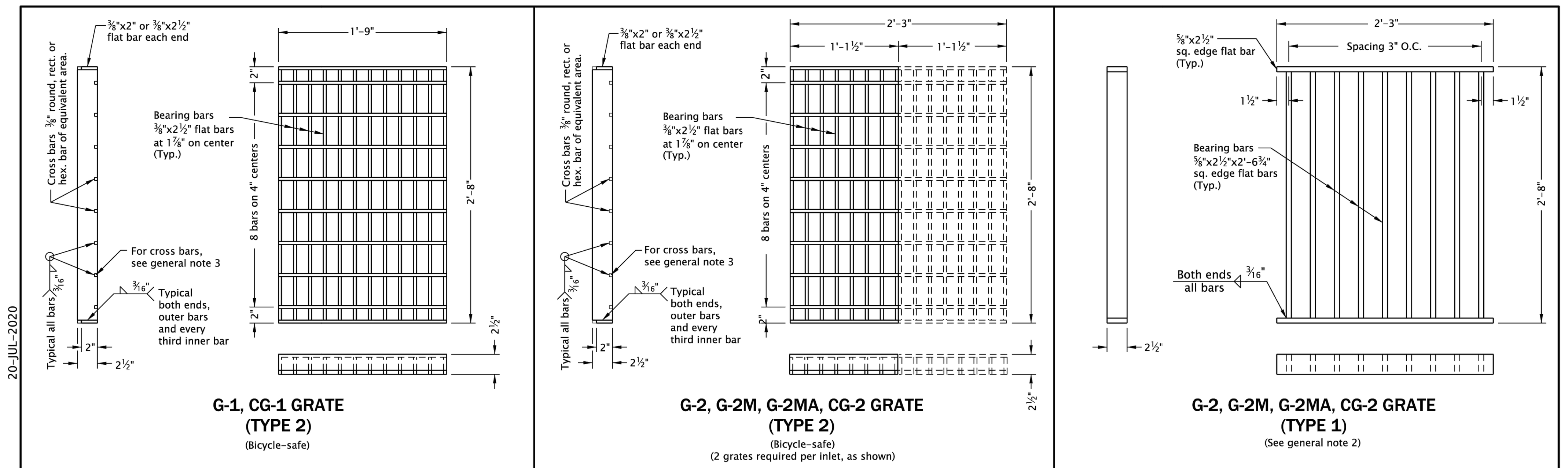
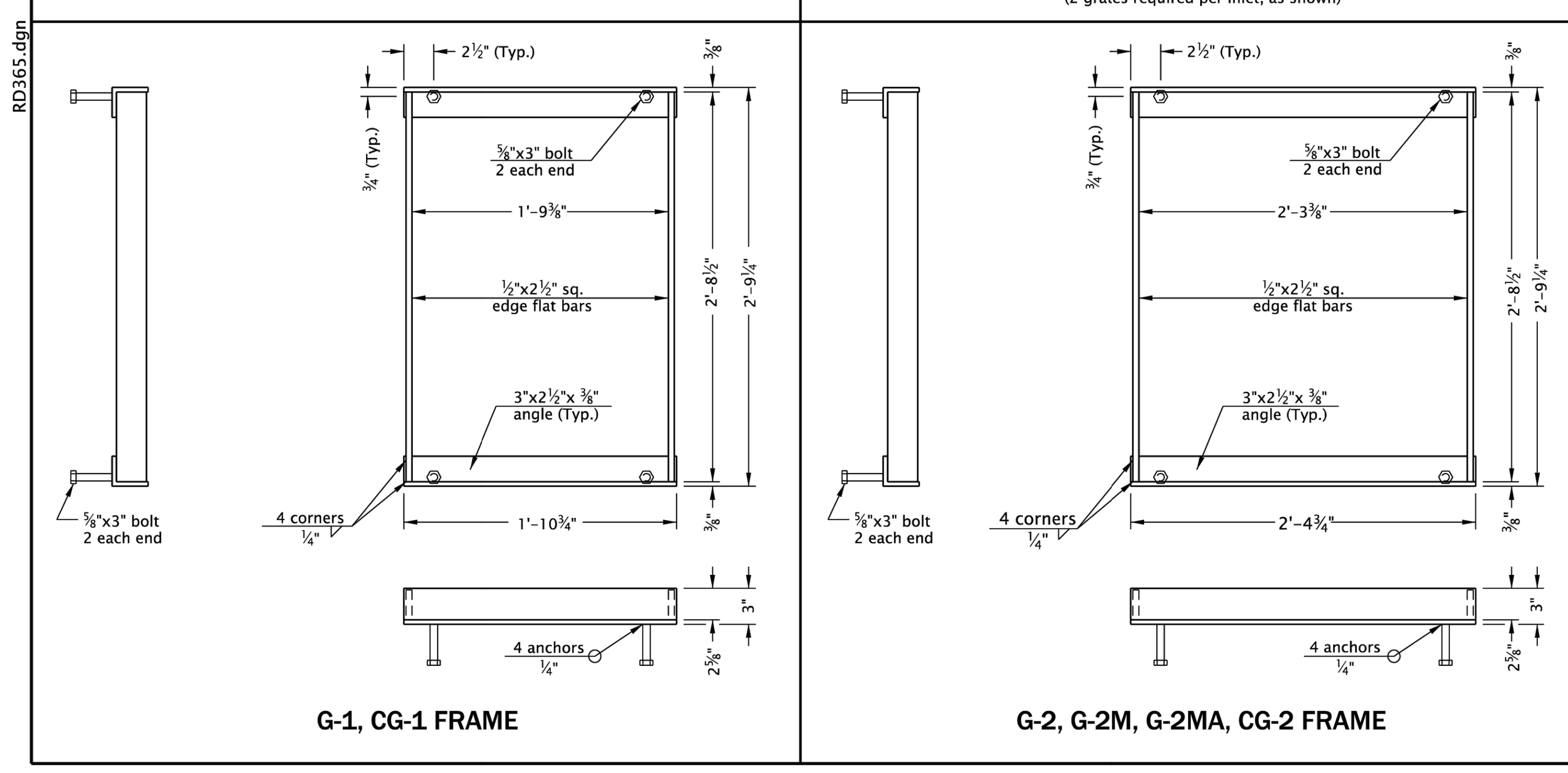


G-1, CG-1 GRATE (TYPE 2) (Bicycle-safe)

G-2, G-2M, G-2MA, CG-2 GRATE (TYPE 2) (Bicycle-safe) (2 grates required per inlet, as shown)

G-2, G-2M, G-2MA, CG-2 GRATE (TYPE 1) (See general note 2)



G-1, CG-1 FRAME

G-2, G-2M, G-2MA, CG-2 FRAME

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. For inlet details, see appropriate inlet standard drawing(s).
2. Type 1 grate allowed only in locations not subject to bicycle or pedestrian use.
3. ⅜" cross bars shall be flush with the top of grate surface and may be fillet welded, resistance welded or electroforged to bearing bars.
4. Hot dip galvanize after fabrication.
5. Cast iron grate and frame are acceptable alternates. See ODOT's QPL.

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.

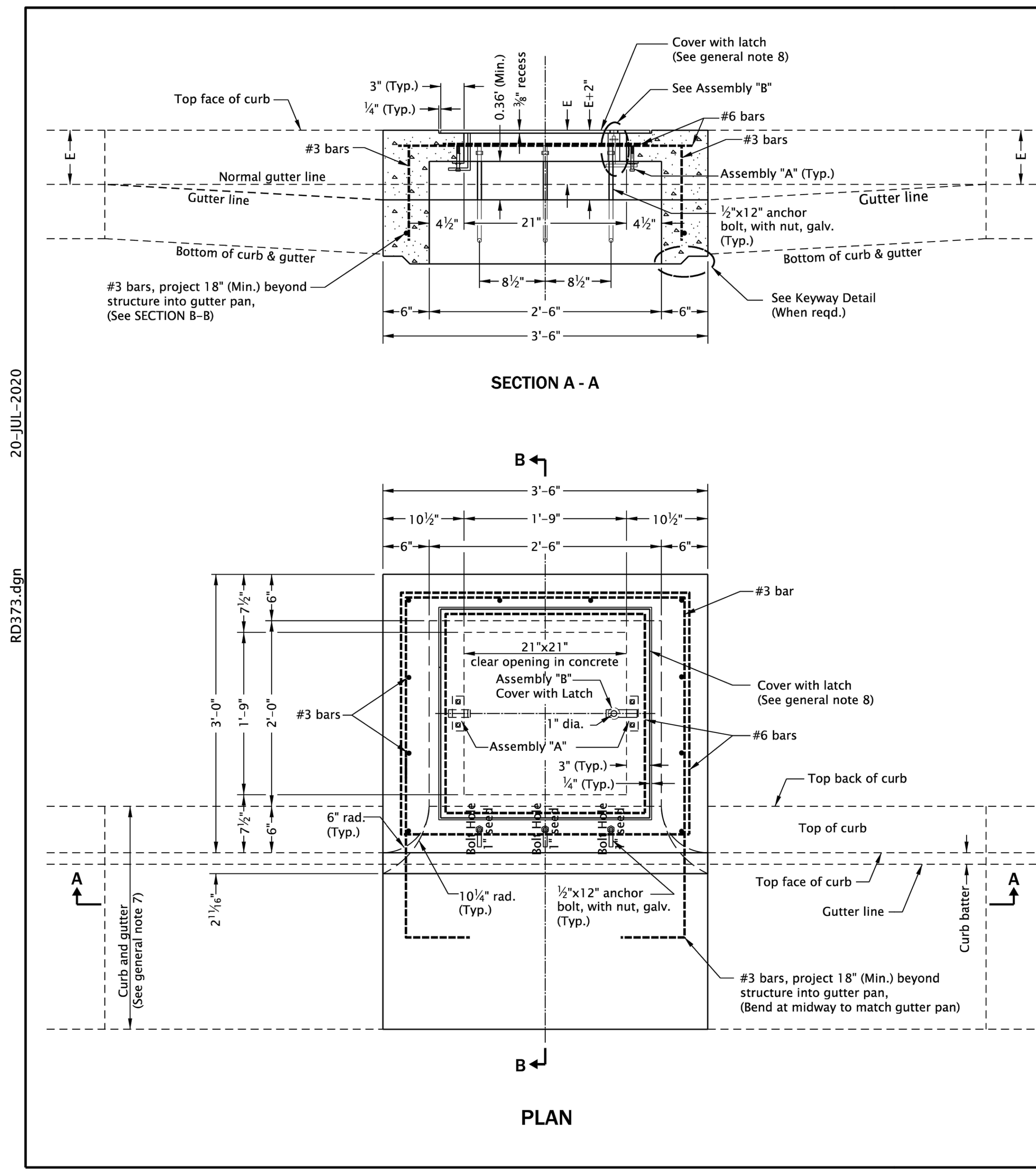
OREGON STANDARD DRAWINGS

FRAMES & GRATES FOR CONCRETE INLETS

2024

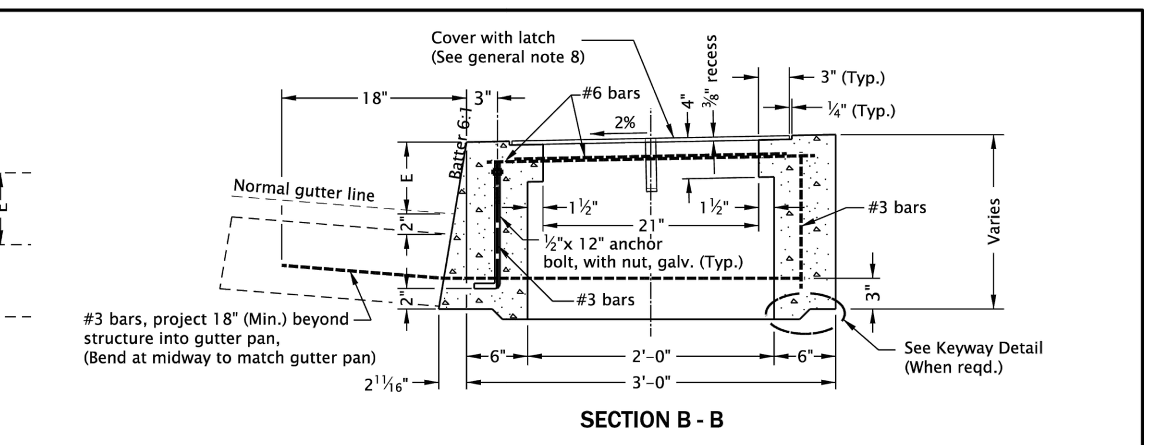
RD365

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

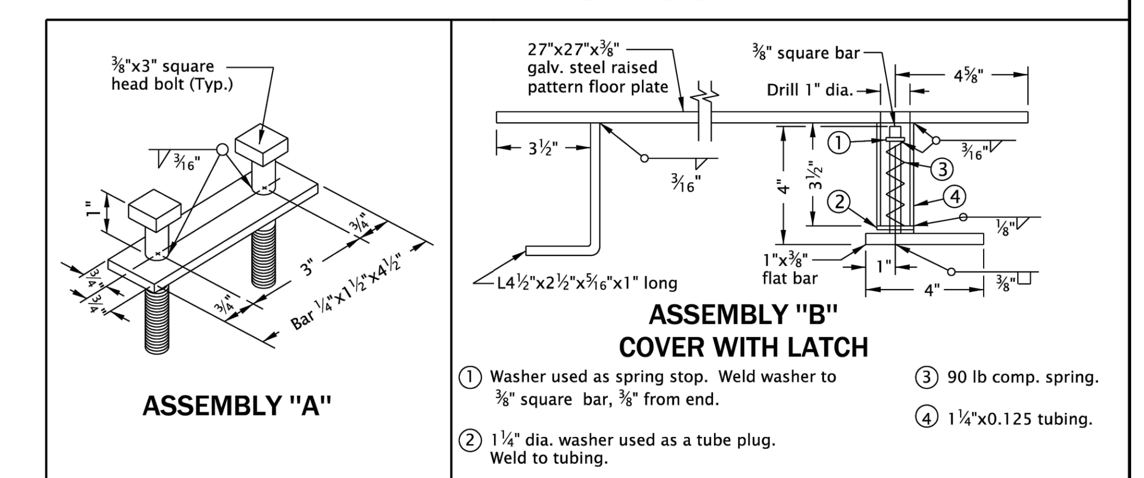


SECTION A - A

PLAN



SECTION B - B



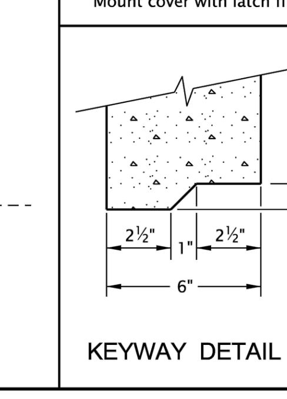
ASSEMBLY "A"

ASSEMBLY "B" COVER WITH LATCH

① Washer used as spring stop. Weld washer to ⅜" square bar, ⅜" from end.
② 1¼" dia. washer used as a tube plug. Weld to tubing.
③ 90 lb comp. spring.
④ 1¼"x0.125 tubing.

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. Provide cover with latch per Assembly A & Assembly B, hot dip galvanize after fabrication. Mount cover with latch flush with finish grade, in ⅜" deep concrete recess, with ¼" horizontal clearance on all sides.



KEYWAY DETAIL

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.

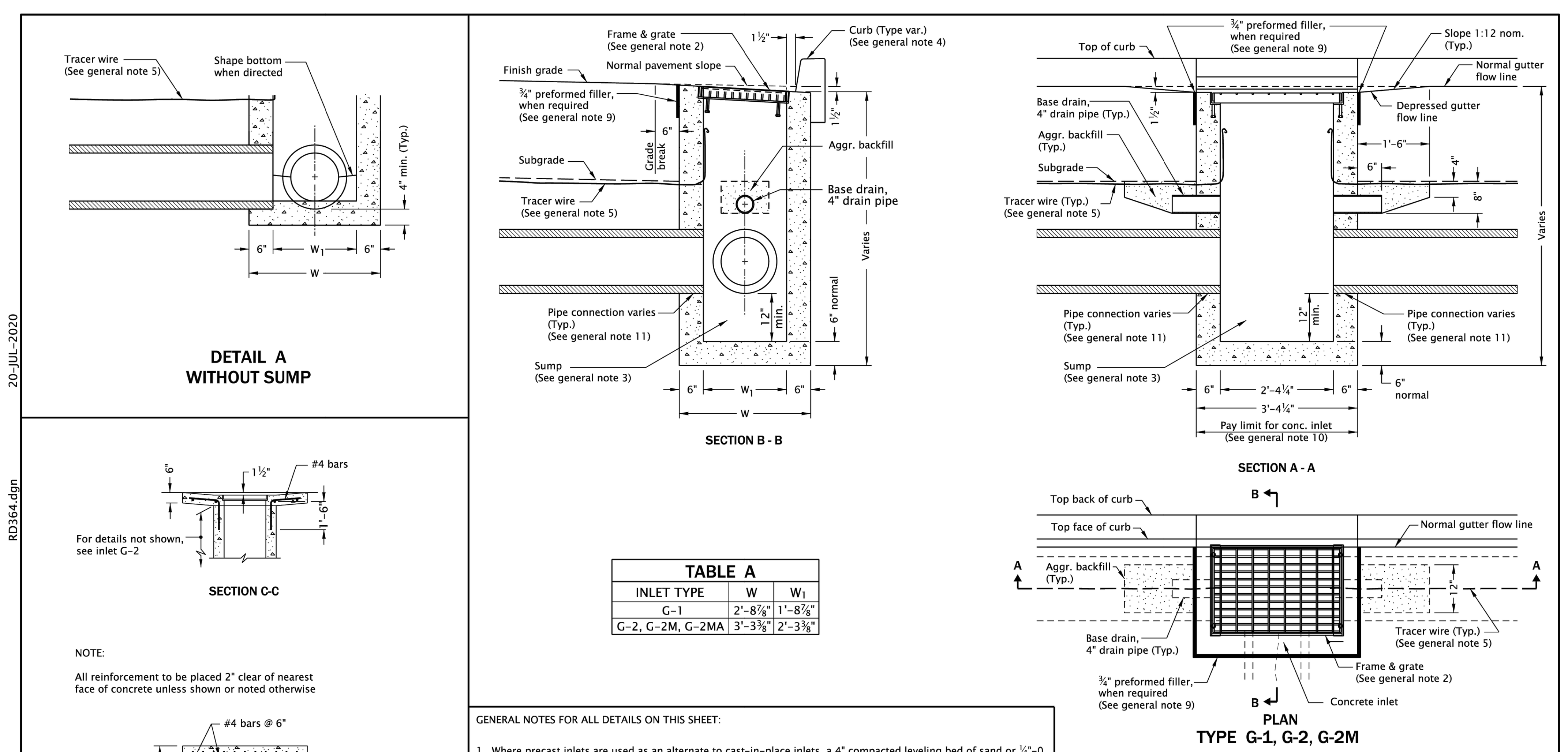
OREGON STANDARD DRAWINGS

CONCRETE INLET TOP OPTION 2, TYPE CG-3

2024

RD373

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



DETAIL A WITHOUT SUMP

SECTION C-C

NOTE:

All reinforcement to be placed 2" clear of nearest face of concrete unless shown or noted otherwise

PLAN

TYPE G-2MA

SECTION B - B

SECTION A - A

PLAN

TYPE G-1, G-2, G-2M

TABLE A		
INLET TYPE	W	W_1
G-1	2'-8⅞"	1'-8⅞"
G-2, G-2M, G-2MA	3'-3⅜"	2'-3⅜"

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Where precast inlets are used as an alternate to cast-in-place inlets, 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.
2. Graphics show G-1 inlet with Type 2 grate. See Table A for inlet dimensions.
   Type 1 grate allowed only in locations not subject to bicycle or pedestrian use.
   For frame and grate details, see Std. Dwg. RD365.
3. Provide sump only where shown on plans, and allowed by jurisdiction. See Detail A for inlet without sump.
4. For curb details, see Std. Dwgs. RD700 & RD701.
5. See Std. Dwg. RD336 for tracer wire details, or approved alternate.
6. Max. pipe diameter varies with pipe material.
7. Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.
8. All concrete shall be commercial grade concrete.
9. ¾" preformed filler (in concrete pavement or gutter only) to extend through thickness of concrete.
10. See Std. Dwg. RD363 for gutter transition section, when curb and gutter are required.
11. See Std. Dwg. RD339 for pipe to structure connections.

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.

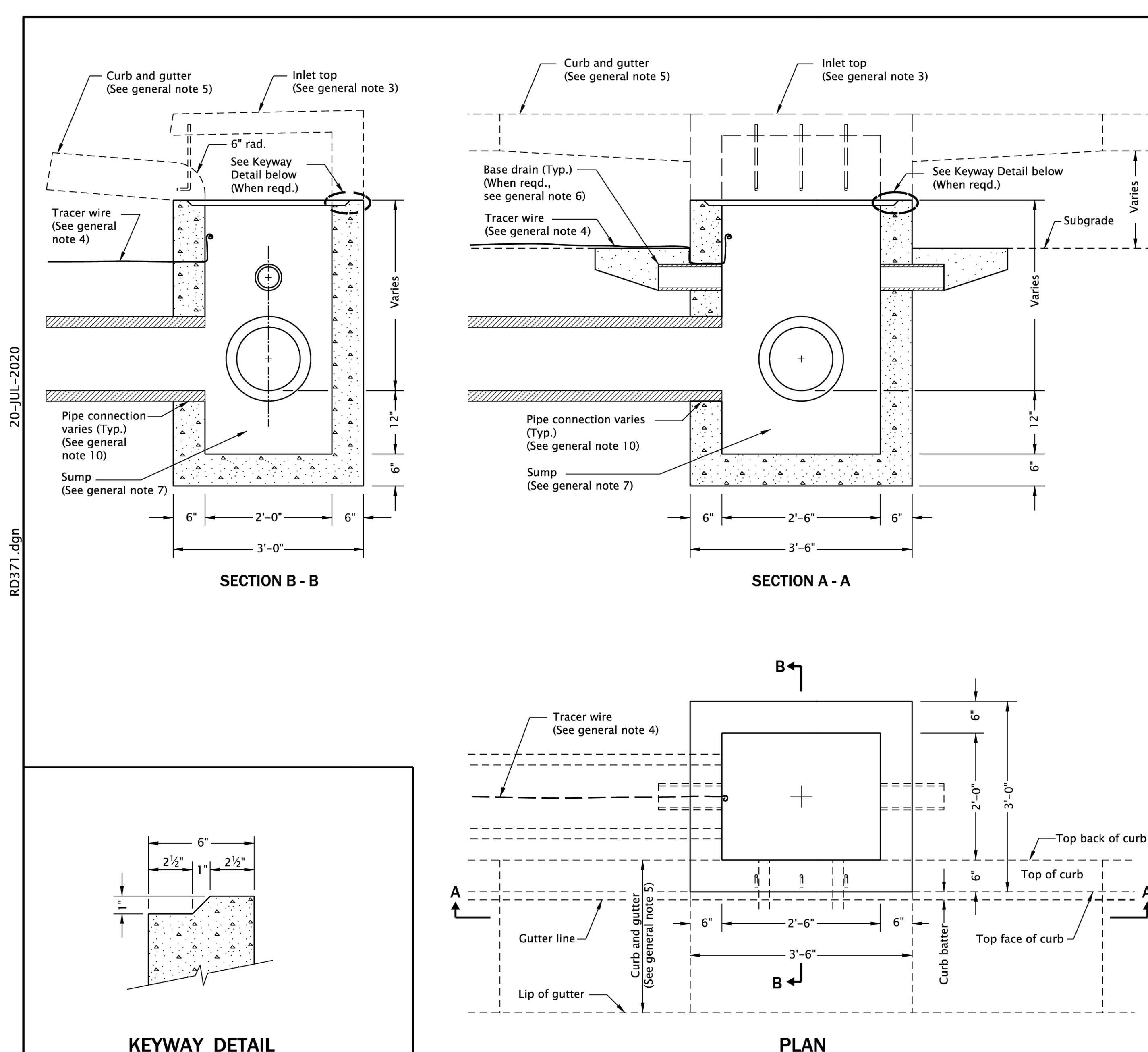
OREGON STANDARD DRAWINGS

CONCRETE INLETS TYPE G-1, G-2, G-2M, & G-2MA

2024

RD364

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

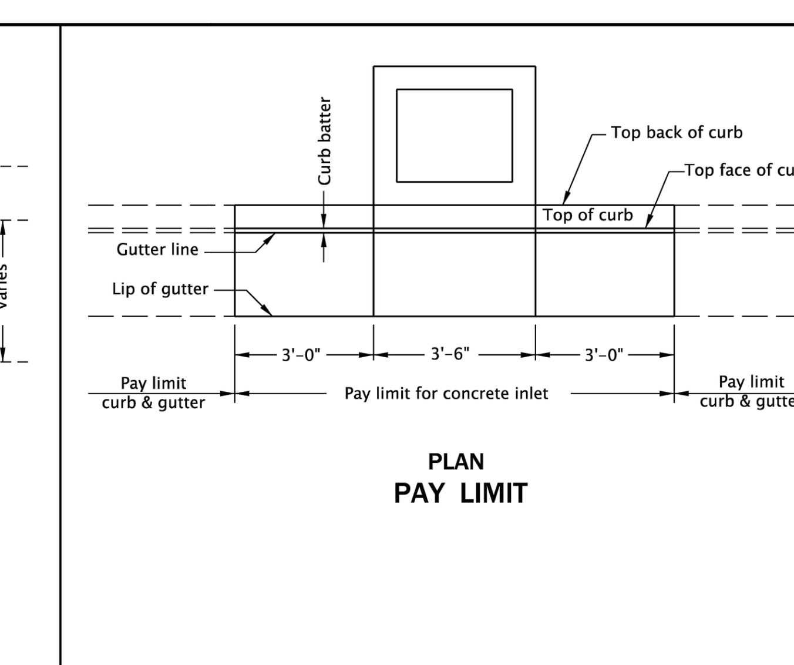


SECTION B - B

SECTION A - A

KEYWAY DETAIL

PLAN



PLAN
PAY LIMIT

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. All concrete shall be commercial grade concrete.
2. 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.
3. See Std. Dwgs. RD372 & RD373 for inlet top details.
4. See Std. Dwg. RD336 for tracer wire details, or approved alternate.
5. See Std. Dwgs. RD700 & RD701 for curb and gutter details.
6. See Std. Dwg. RD364 for base drain details.
7. Provide sump only where shown on plans, and allowed by jurisdiction. For sump details, see Std. Dwg. RD364.
8. Location, elevation, diameter, slope, and number of pipe(s) varies, see project plans.
9. Max. pipe diameter varies with pipe material.
10. See Std. Dwg. RD339 for pipe to structure connections.

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

CONCRETE INLET BASE TYPE CG-3

2024

RD371

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

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Expires: June 30, 2025

project title:

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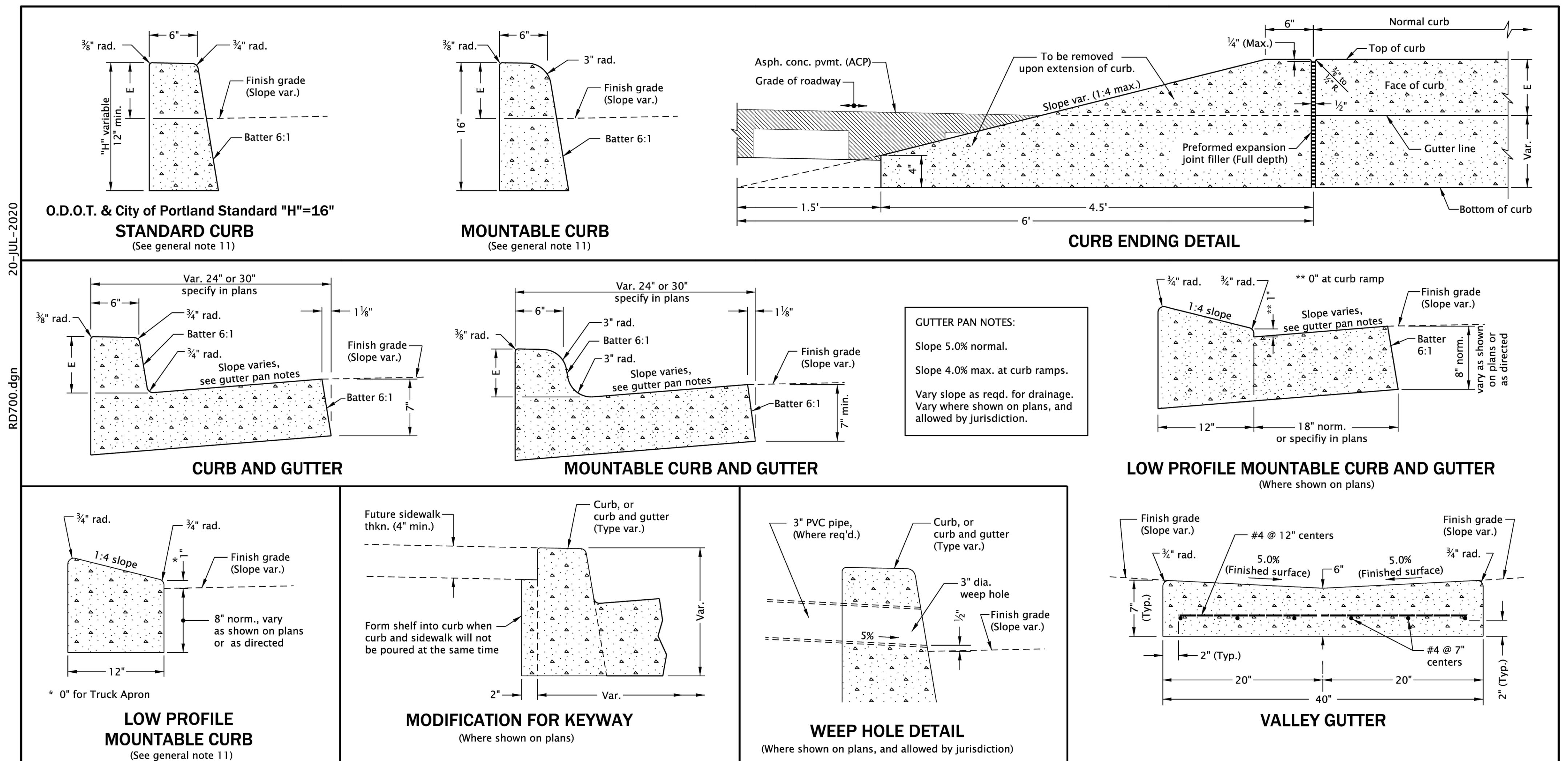
HARRISBURG, OREGON

revisions:

date: MAY 7, 2024
drawn by: ST
designer: ST/JL
project no: 23-009A

DETAILS

sheet: C5.0



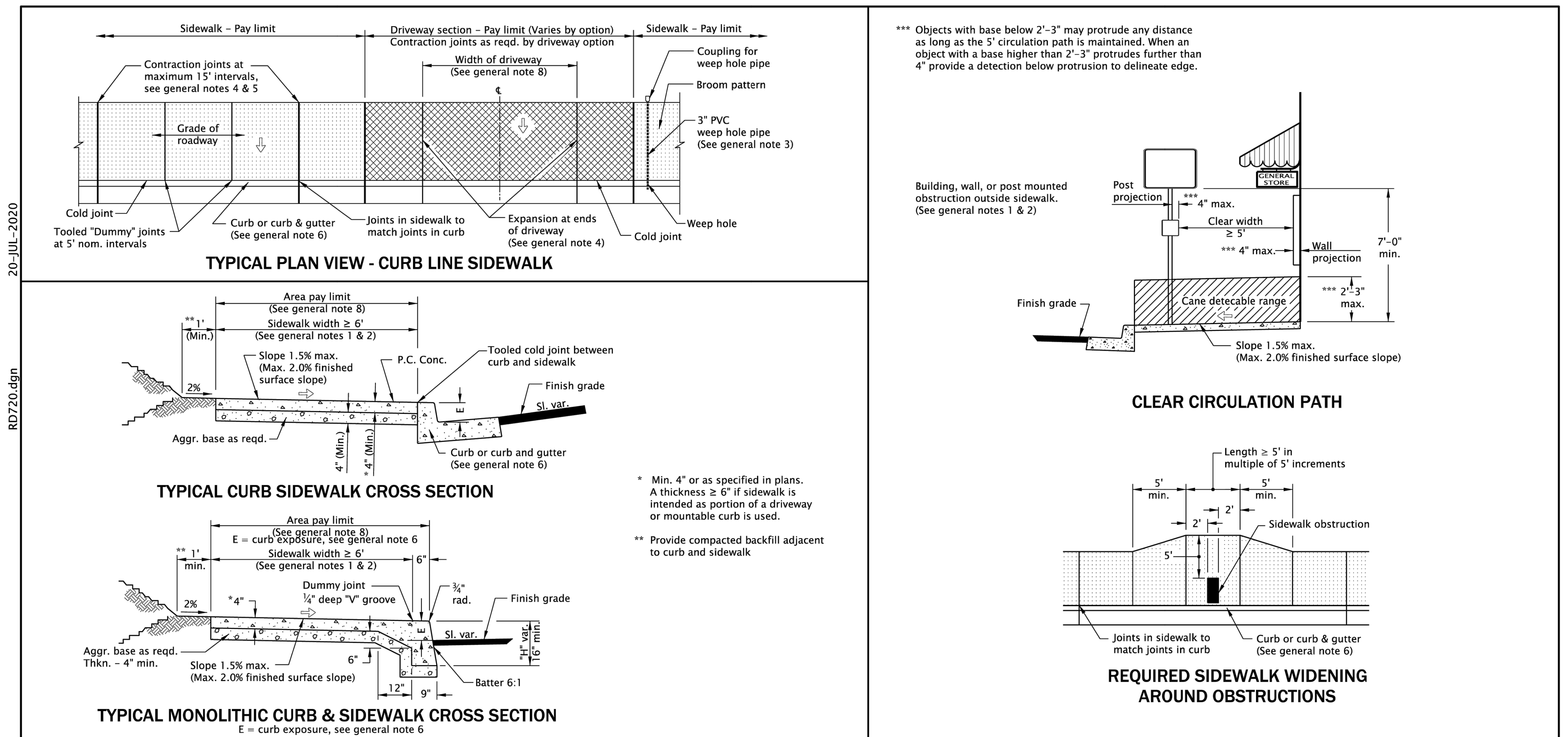
GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

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
RD700 — 20-JUL-2020

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



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 joints details.
5. Const. contraction joints at 15' maximum spacing, and at ends of each curb ramp. See Std. Dwg. RD722 for contraction joints details.
6. For curb details, see Std. Dwgs. RD700 & RD701. ODOT standard E=7".
7. Sidewalk details are based on applicable ODOT standards.
8. Fully lowered sidewalk shown; see project plans for the diveway design specified. For driveway details not shown, see Std. Dwgs. RD725, RD730, RD735, RD740, RD745 & RD750.
9. See project plans for details not shown.

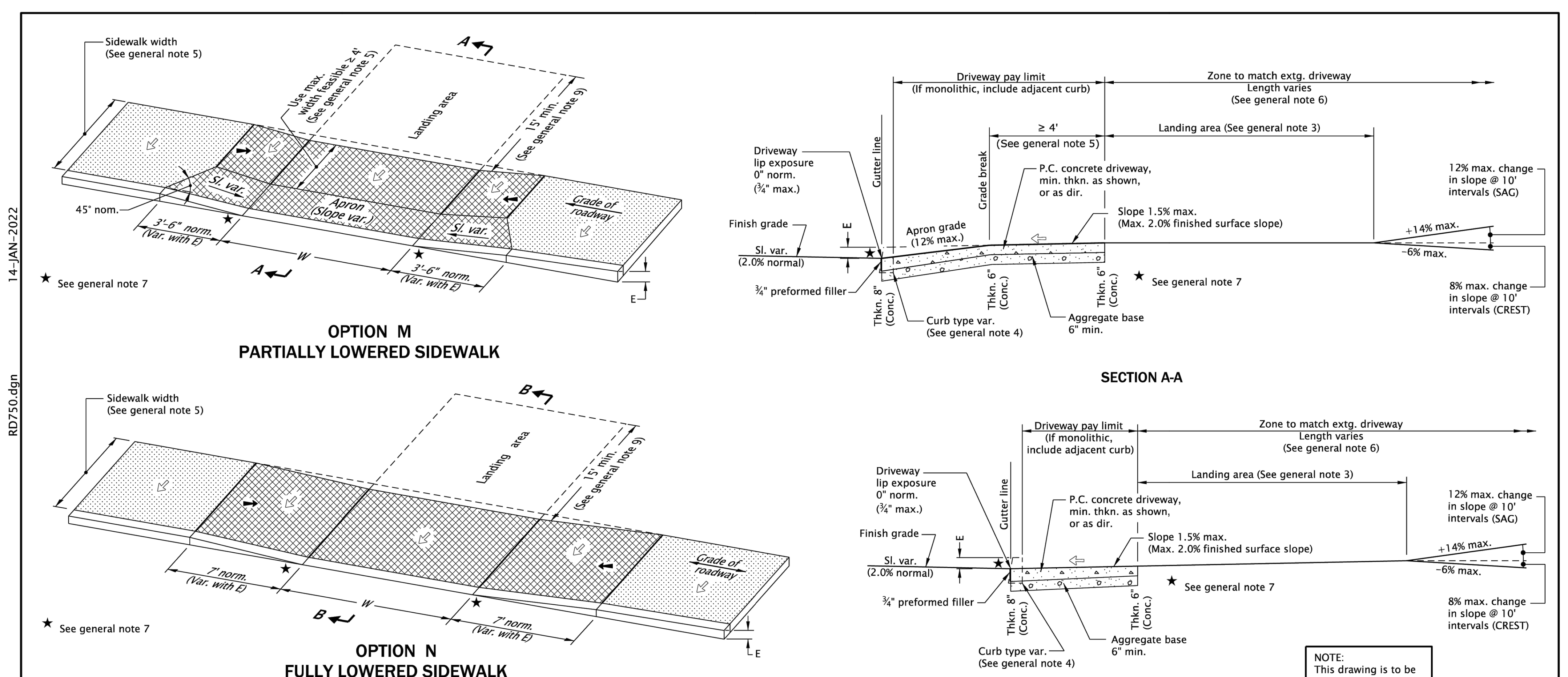
LEGEND

- 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)

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
CURB LINE SIDEWALKS
2024
RD720 — 21-JUN-2019

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



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, 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. RD720 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. Monolithic curb & sidewalk shall retain thickened edge through lowered profile, to accommodate driveway use. See Std. Dwg. RD720 for details.
11. Any dimensions except those of general note 5 may be amended by local agencies for their use.

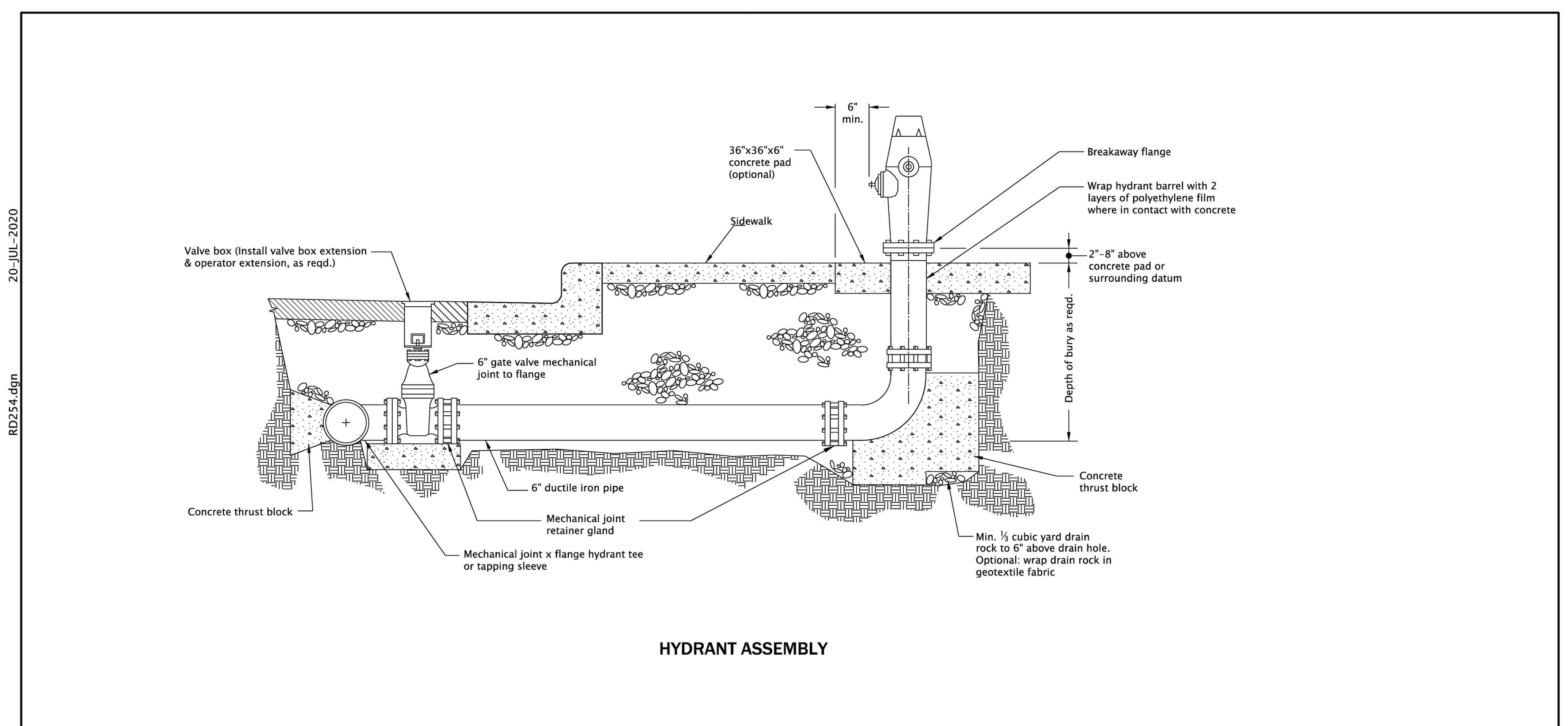
LEGEND:

- Sidewalk
- Driveway pay limit (If monolithic, include adjacent curb) (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
- E Curb exposure

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
CURB LINE SIDEWALK DRIVEWAYS OR ALLEYS (OPTIONS M & N) LOCAL JURISDICTIONS
2024
RD750 — 14-JAN-2022

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



HYDRANT ASSEMBLY

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. When pipe is shorter than 18', no joints allowed. Use mechanical joint retainer glands. Two ¾" galvanized tie rods may be used in lieu of thrust blocks for installations less than 18' long. Coat tie rods with two coats of coal tar epoxy.
2. When pipe is longer that 18' retainer glands not required.
3. There shall be a minimum of 18" horizontal clearance around hydrant.
4. When placed adjacent to curb, hydrant port shall be 24" from face of curb.
5. Concrete thrust blocks shall be constructed as per thrust blocking Std. Dwg. RD250. Do not block drain holes.
6. Extensions required for hydrant systems shall be installed to the manufacturer's specifications.
7. Hydrants shall be placed to provide a minimum of 5' clearance from driveways, poles, and other obstructions.
8. Hydrant pumper port shall face direction of access.
9. Set hydrant plumb in all directions.
10. See project plans for details not shown.

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
HYDRANT INSTALLATION
2024
RD254 — 20-JUL-2017

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

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JULY 13, 2004
DAMIEN GILBERT
Expires: June 30, 2025

project title:

HARRISBURG 6TH STREET RECONSTRUCT

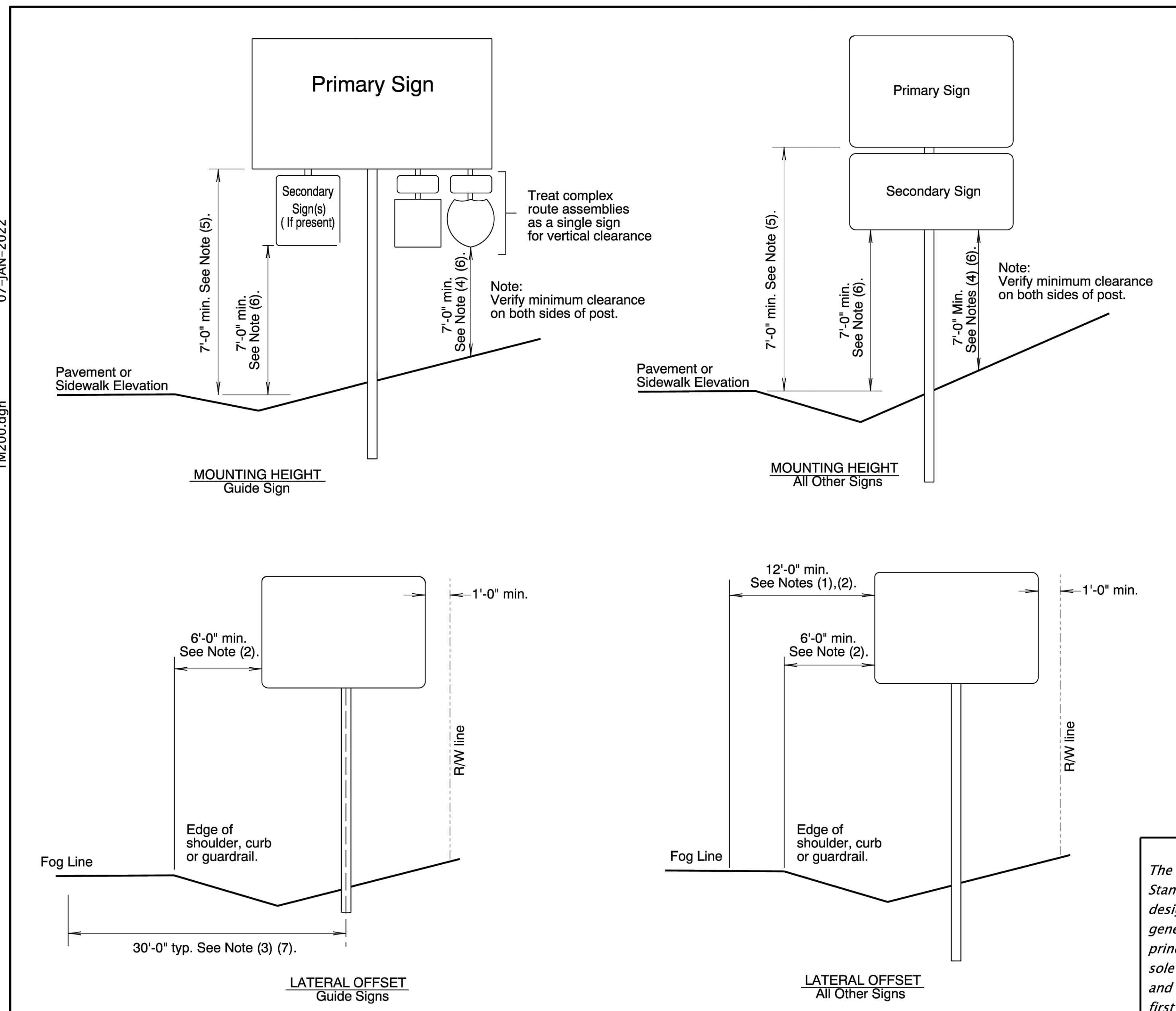
FROM SMITH STREET TO KENSLING STREET
HARRISBURG, OREGON

revisions:

date:	MAY 7, 2024
drawn by:	ST
designer:	ST/JL
project no:	23-009A

DETAILS

sheet: **C5.1**



General Installation Notes:

a. Signing details shown on this sheet are intended to convey "typical" conditions only. Individual locations may require installation different from those shown.
For guidance regarding unique installations or exceptions call the Project Sign Designer or Region Traffic Section.

b. Locate breakaway supports away from ditches to avoid problems with erosion, corrosion, debris, maintenance and breakaway performance. See Dwg. No. TM635 for more information.

c. For wood post support details see Dwg. No. TM670.

d. For perforated steelsquare tube support details see Dwg. No. TM681.

e. For triangular base breakaway support details see Dwg. No. TM602.

f. For multi-post breakaway support details see Dwg. No. TM600.

g. Mounting heights should not be more than 3 inches more than the minimum heights shown, where practical.

h. 2" vertical spacing between all signs.

Notes:

1). 6' minimum if behind barrier.
2). 2' minimum if restricted R/W.
3). 20' for ramp terminals.
4). 8' minimum if bicycle path underneath.
5). 8' minimum if secondary signs attached.
6). 5' minimum if outside clearzone, in rural areas and no pedestrians underneath.
7). For multi-post installations measure distance from post closest to roadway.

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

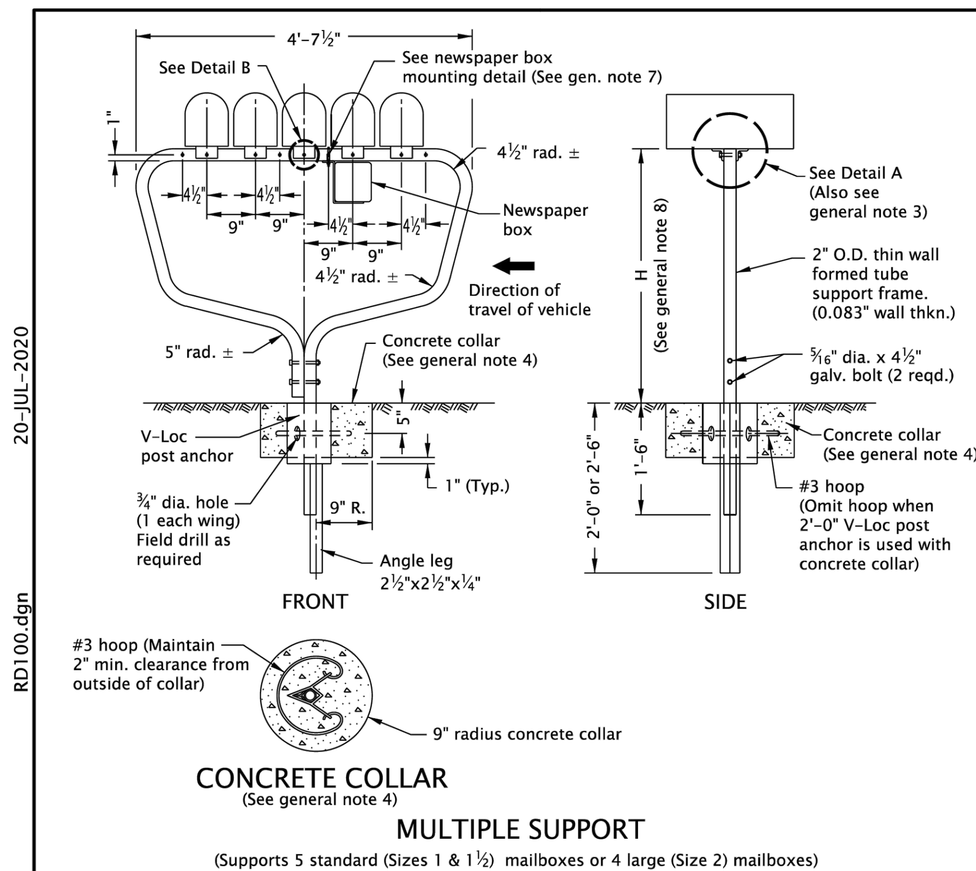
OREGON STANDARD DRAWINGS

SIGN INSTALLATION DETAILS

2024

CALC. BOOK NO. N/A | SDR DATE 07 JAN 2022 | TM200

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



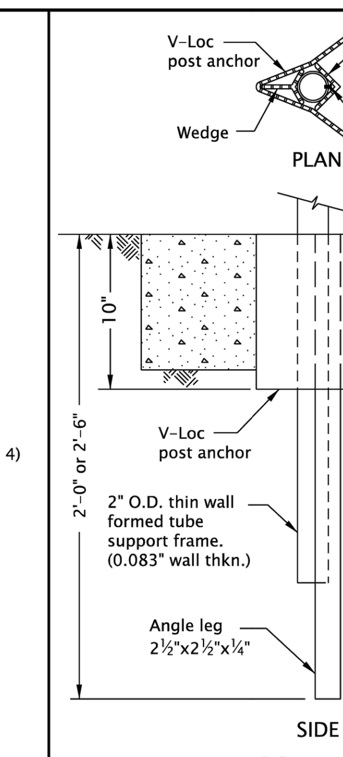
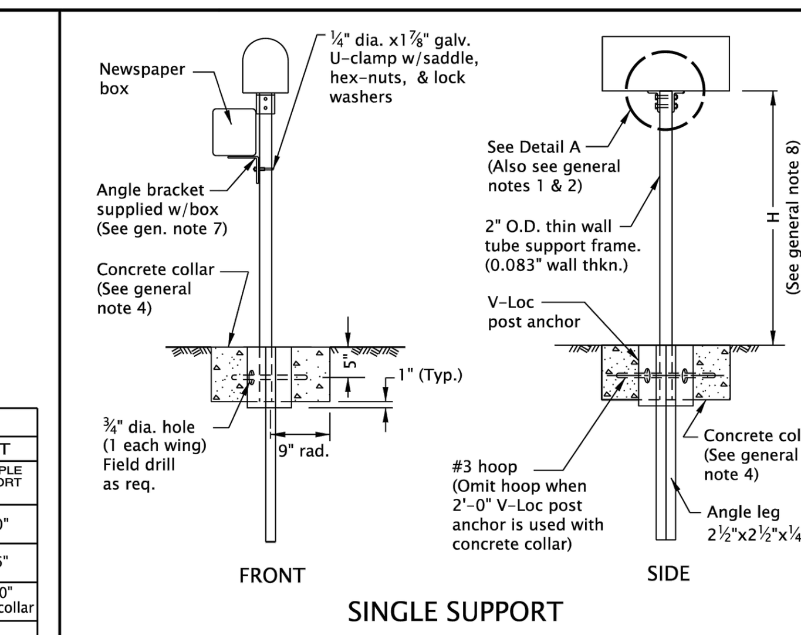
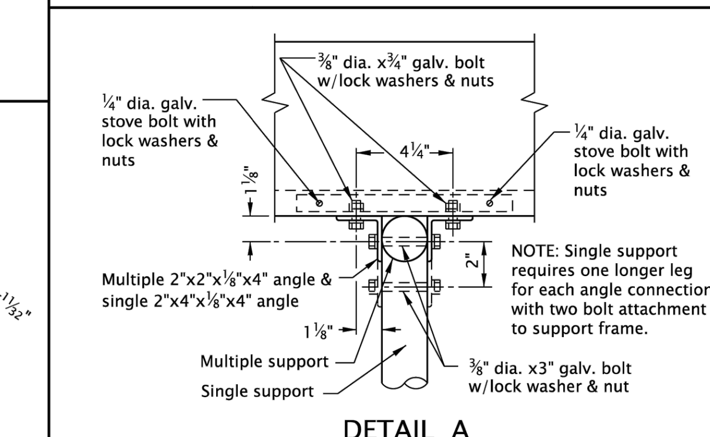
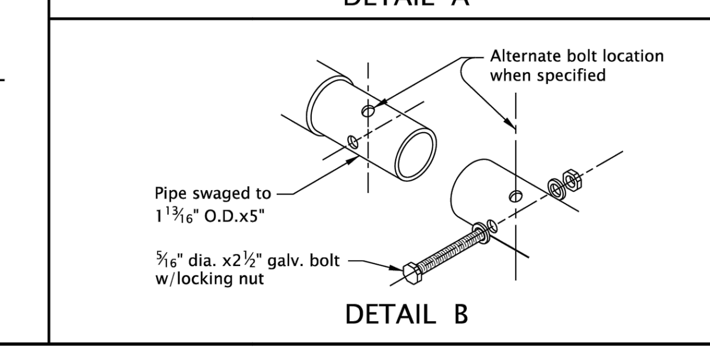


TABLE A		
V-LOC POST ANCHOR USE CHART		
MAILBOX LOCATION	SINGLE SUPPORT (ft)	MULTIPLE SUPPORT (ft)
Through new or existing A.C.	2'-0"	2'-0"
Through well consolidated material	2'-0" *	2'-6"
Through new rock surfacing & subgrade	2'-6"	2'-0" conc. collar
Through new rock surfacing & subgrade, subject to saturated soil or freeze/thaw conditions.	2'-6" 2'-0"/ ** conc. collar	2'-6"/ conc. collar

* Use 2'-6" with size 2 mailbox.
** Use if conditions are severe.







GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Angle connections to be parallel to traffic flow for Size 2 mailbox mounted on single post.
2. All holes in the tube support frame are to be predrilled by the manufacturer.
3. Size 2 mailbox mounted on a multiple support requires 2 each ⅜" dia. x⅝" galv. bolts with lock washers and nuts to attach the adaptor plate to the mounting bracket. The unit will then require 4 angle connections to attach to the formed tube support frame. See Detail A.
4. Provide concrete collar when any of the following conditions exist:
   a) when required in Table A
   b) when required by project plans
   c) as directed by the Engineer
   Concrete collar, when required, to be poured in place after V-Loc post anchor has been installed, level and plumb. Do not excavate below bottom of V-Loc post anchor. Care shall be taken that no concrete is placed within anchor.
5. Other proprietary products available as listed in ODOT's QPL.
6. For mailbox installation locations, see Std. Dwg. RD101 and project plans.
7. For Newspaper Box Mounting Detail, see Std. Dwg. RD101.
8. Mounting height (H) shall be 42" nominal, measured from vehicle driving surface.
9. See project plans for detail not shown.

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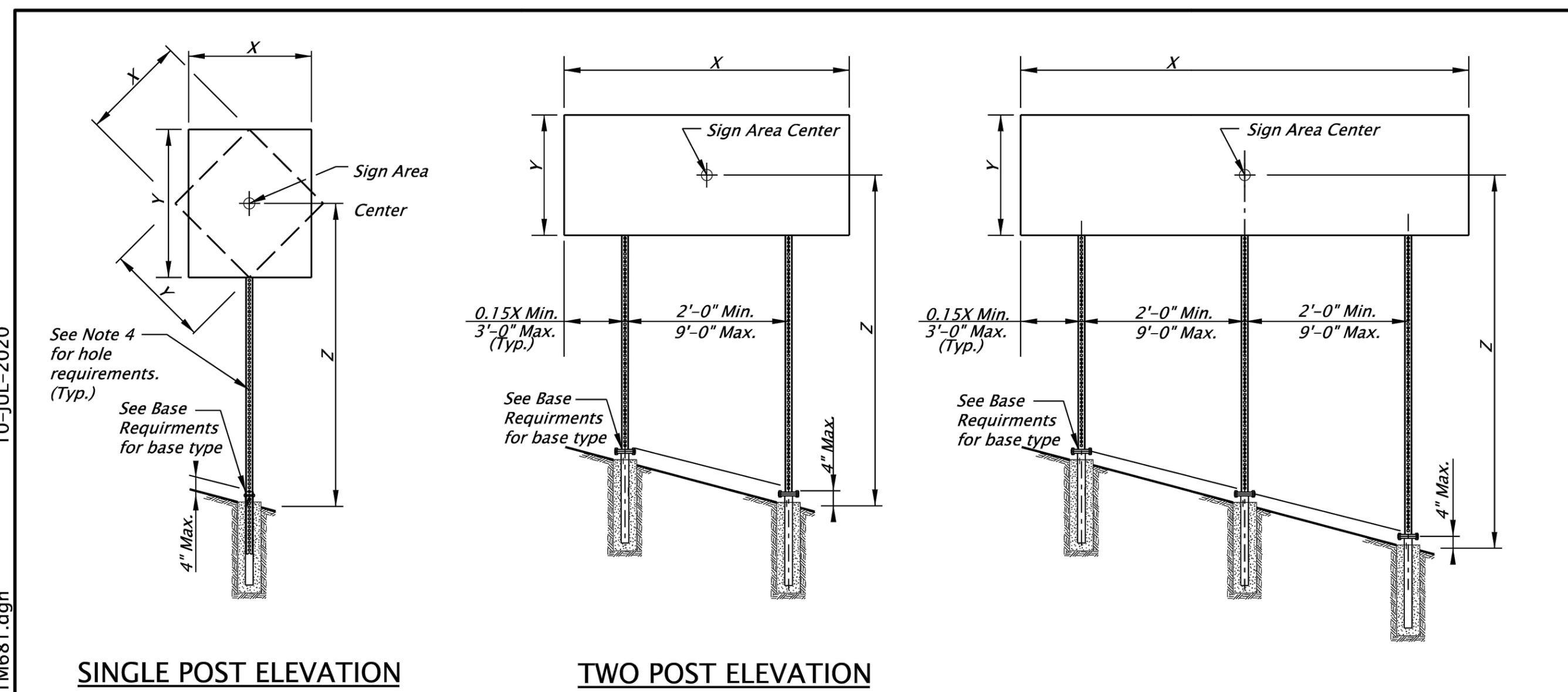
OREGON STANDARD DRAWINGS

MAILBOX SUPPORT

2024

CALC. BOOK NO. N/A | SDR DATE 25-JUL-2017 | RD100

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



SINGLE POST ELEVATION
No scale

TWO POST ELEVATION
No scale

THREE POST ELEVATION
No scale

GENERAL NOTES:

1. Perforated Steel Square Supports are designed in accordance with the AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals 4th Edition, 2001, 2002, 2003, and 2006 interim revisions.
2. The design basic wind speed (3 second gust) shall be according to the wind map shown on TM671.
3. Material grade for base hardware connection shall be according to the manufacturer's recommendation and based on crash testing.
4. Use 7/16" diameter holes at 1" spacing on each of the 4 sides.
5. Steel post shall have a minimum yield stress of 50 ksi.
6. Steel shall be galvanized according to ASTM A653 with coating designation G90.
7. General design parameters are Kz = 0.87, Cd (sign) = 1.20, and G = 1.14.
8. Permanent signing uses an Ir = 0.71 for a recurrence interval of 10 years.
9. Temporary signing uses an Ir = 0.45 for a recurrence interval of 1.5 years.
10. The sign width to sign height or sign height to sign width ratio shall not exceed 5.0.
11. For horizontal and vertical clearances of permanent signs refer to TM200 and of temporary signs refer to TM822.
12. Posts protected by barrier or guardrail do not require slip bases.

	(X * Y * Z) in ft³ - Maximum								
	3 Second Gust Wind Speed (TM671)								
	85 MPH			95 MPH			105 or 110 MPH		
	Number of Posts			Number of Posts			Number of Posts		
Square Tube Size	1	2	3	1	2	3	1	2	3
2"-12 ga.	79	158	237	63	126	189	57	114	171
2½"-12 ga.	136	272	408	109	218	327	98	196	294
2½"-10 ga.	165	330	495	132	264	396	119	238	357
2¼" & 2½"-12 ga.*	231	462	693	185	370	555	167	334	501

PERMANENT PERFORATED STEEL SQUARE TUBE TABLE

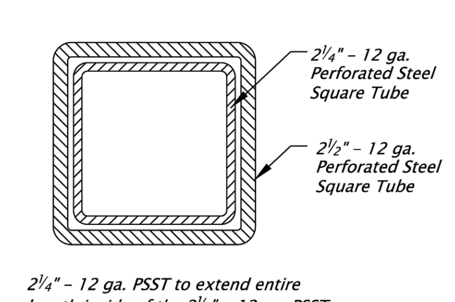
	(X * Y * Z) in ft³ - Maximum								
	3 Second Gust Wind Speed (TM671)								
	85 MPH			95 MPH			105 or 110 MPH		
	Number of Posts			Number of Posts			Number of Posts		
Square Tube Size	1	2	3	1	2	3	1	2	3
2"-12 ga.	125	250	375	100	200	300	90	180	270
2½"-12 ga.	215	430	645	172	344	516	155	310	465
2½"-10 ga.	261	522	783	209	418	627	189	378	567
2¼" & 2½"-12 ga.*	364	728	1092	292	584	876	263	526	789

TEMPORARY PERFORATED STEEL SQUARE TUBE TABLE

	Number of Posts		
Square Tube Size	1	2	3
2"-12 ga.	Anchor	Anchor	N/A
2½"-12 ga.	Anchor	Slip	Slip
2½"-10 ga.	Slip	Slip	Slip
2¼" & 2½"-12 ga.*	Slip	Slip	Slip

1. Anchor - See Drawing TM687 for PSST anchor foundation details.
2. Slip - See Drawing TM688 for PSST slip base foundation details.
3. N/A - Do not use this option.

BASE REQUIREMENTS



2¼" & 2½" - 12 GA. DETAIL
No scale

* - See 2¼" & 2½" - 12 ga. detail.

Accompanied by dwgs. TM200, TM671, TM687, TM688, TM689, TM822

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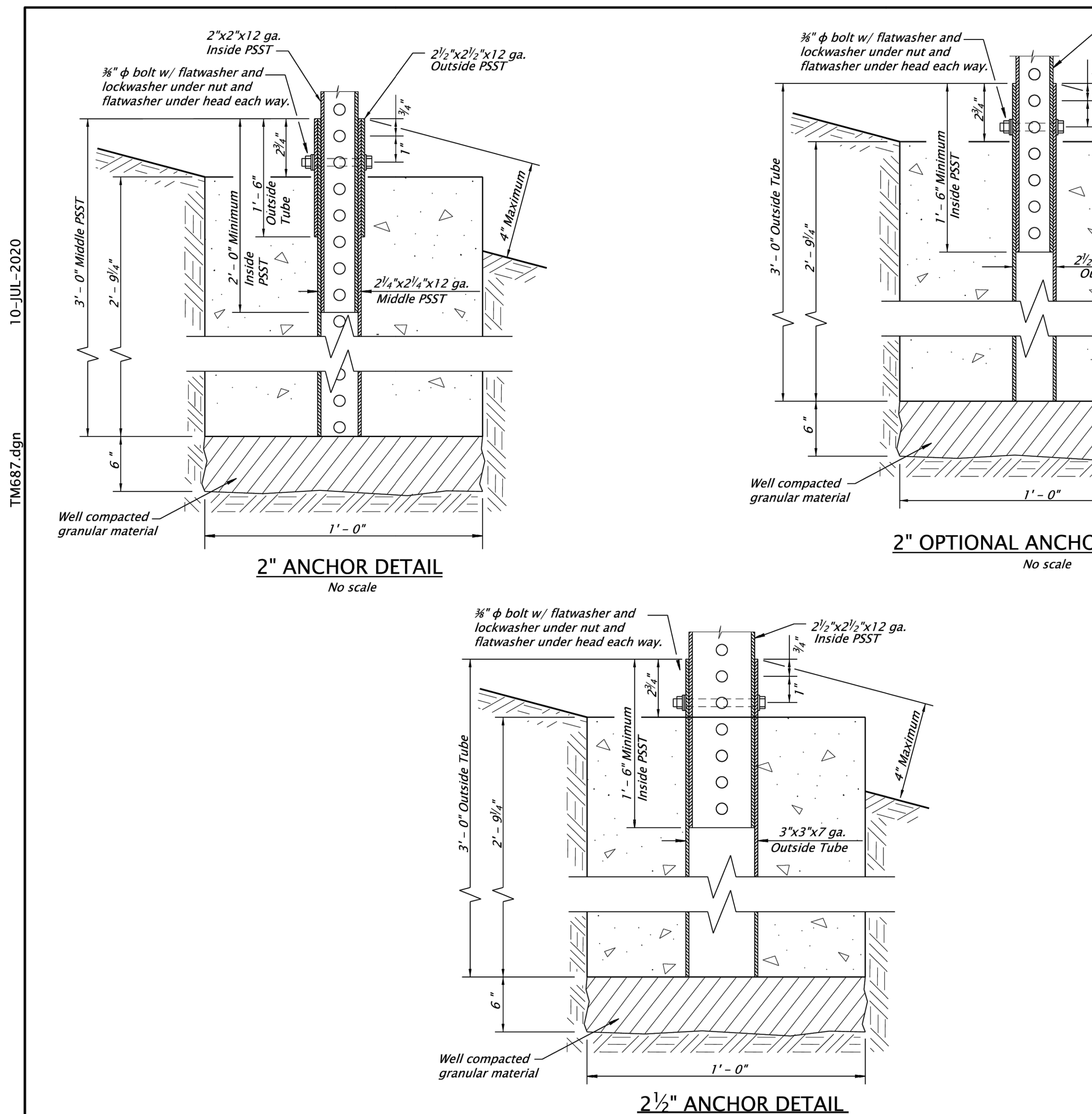
OREGON STANDARD DRAWINGS

PERFORATED STEEL SQUARE TUBE (PSST) SIGN SUPPORT INSTALLATION

2024

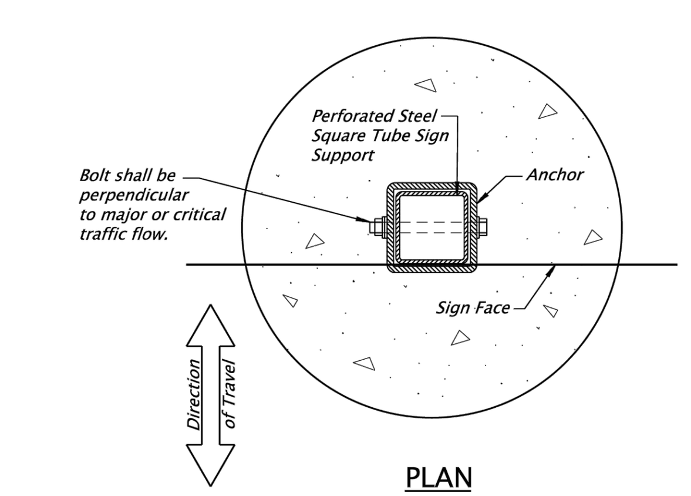
CALC. BOOK NO. 5752 | SDR DATE 10-JUL-2017 | TM681

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



General Notes:

1. Material grade for base hardware connection shall be according to the manufacturer's recommendation and based on crash testing.
2. Anchor steel shall be hot dipped galvanized or approved equal.
3. Footing concrete shall be Commercial Grade Concrete (fc = 3000 psi) per Specification 00440. The CGC mixture may be accepted at the site of placement according to 00440.14.
4. The estimated concrete volume is .09 cubic yards.



PLAN
No scale

Accompanied by dwgs. TM681, TM688

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OREGON STANDARD DRAWINGS

PERFORATED STEEL SQUARE TUBE (PSST) ANCHOR FOUNDATION

2024

CALC. BOOK NO. 5752 | SDR DATE 06-JAN-2012 | TM687

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

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62780PE
DIGITALLY SIGNED
OREGON
JULY 13, 2004
DAMIEN GILBERT
Expires: June 30, 2025

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HARRISBURG 6TH STREET RECONSTRUCT

FROM SMITH STREET TO KENSLING STREET
HARRISBURG, OREGON

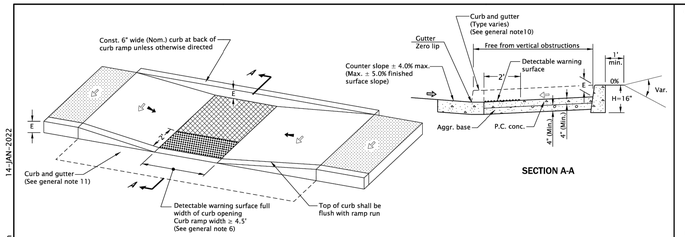
revisions:

date:	MAY 7, 2024
drawn by:	ST
designer:	ST/JL
project no:	23-009A

DETAILS

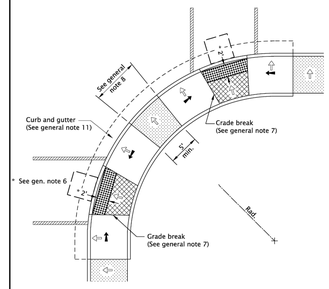
sheet: C5.2

14-JAN-2022
RD920.dgn

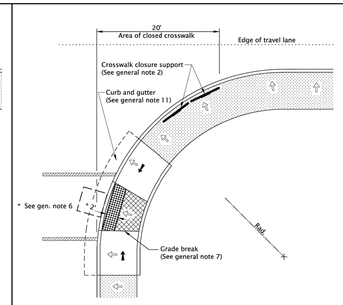


PARALLEL CURB RAMP DETAIL

SECTION A-A



PARALLEL CURB RAMPS
OPTION "PL-1"



PARALLEL CURB RAMP WITH CROSSWALK CLOSURE
OPTION "PL-2"

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Curb ramp details are based on applicable ODOT Standards.
2. 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. 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 grade break lines, (see Std. Dwg. RD722).
5. Curb ramp slopes shown are relative to the true level horizon (zero bubble).
6. Place detectable warning surface at the back of curb for a minimum depth of 2' in the direction of pedestrian travel full width of curb ramp opening that is adjacent to traffic.
7. 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.
8. When 2 ramp runs are immediately adjacent, the curb exposure (E) between the adjacent side may range between 3" and full design exposure.
9. Curb ramps for shared use paths intersecting a roadway shall be full width of path, excluding flares. When a curb ramp is used to provide bicycle access from a roadway to a sidewalk, the curb ramp opening will be ≥ 8' wide, (see Std. Dwg. RD909 for additional details).
10. Place an inlet at upstream side of curb ramp or perform other approved design mitigation. Check the gutter flow depth at curb ramp locations to assure that the design flood does not overtop the back of sidewalk.
11. On or along state highways, curb and gutter is required at curb ramps.

LEGEND:

- 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)
- Counter slope 4.0% max. ascending or descending, (Max. 5.0% finished surface slope) Slope as required for drainage
- 4'x4' clear space

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OREGON STANDARD DRAWINGS

PARALLEL CURB RAMP

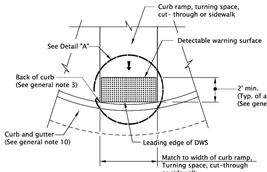
2024

DATE	REVISION DESCRIPTION
07-2020	NEW DRAWING CREATED
07-2021	REVISED DETAIL AND NOTES
01-2022	REVISED NOTES

CALC BOOK NO. — N/A — SDR DATE 14-JAN-2022 — **RD920**

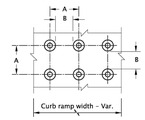
Effective Date: December 1, 2023 - May 31, 2024

19-JUL-2021
RD902.dgn

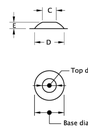


DETECTABLE WARNING SURFACE DETAIL

	A	B	C	D	E
MIN.	1.60"	0.65"	0.45"	0.90"	0.20"
MAX.	2.40"	---	0.91"	1.40"	0.20"

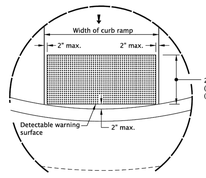


TRUNCATED DOME SPACING



TRUNCATED DOME

TRUNCATED DOME DETAILS



DETAIL "A"

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Detectable warning surface details & locations are based on applicable ODOT Standards.
2. See project plans for details not shown.
   See Std. Dwgs. RD700 & RD701 for curbs.
3. The detectable warning surface shall extend the full width of the curb ramp opening, shared use path, blended transition, turning space, or other roadway entrance as applicable. A gap of up to 2 inches on each side of the detectable warning surface is permitted (measured at the leading edge of the detectable warning surface panel as shown in Detail "A").
4. Detectable warning surface shall be placed at the back of curb for a minimum depth of 2 ft. in the direction of pedestrian travel at curb ramps that are adjacent to traffic. Detectable warning surface may be radial or rectangular, but must comply with the truncated dome size and spacing standards. Detectable warning surface may be cut to meet necessary shape as shown in plans. Detectable warning surface across a grade break is prohibited. Place abutting panels within¼ inch of each other and install anchors, as specified by manufacturers, along cut edge.
5. Color to be safety yellow if no color specified in construction note. Alternative colors require a design exception on or along state highways.
6. Detectable warning surface shall be used in the following locations:
   a) Curb ramps at street crossings.
   b) Crossing islands (Accessible Route Islands).
   c) Rail crossings.
7. Where public transportation stations (rail, bus, etc.) use platform boarding, detectable warning surface shall be placed along the full edge length of the station, when not protected by platform screens or guards, (see Std. Dwg. RD908).
8. Detectable warning surface shall not be used on the following locations:
   a) End of sidewalk transitions that are not at a crosswalk, (see Std. Dwgs. RD950, RD952 and RD960).
   b) Driveways, unless constructed with curb return or are signalized.
   c) Parking lots, access aisles and passenger loading zones where curb ramp does not lead to vehicular way.
9. Where no curb is present, the detectable warning surface shall be placed at the edge of the roadway.
10. On or along state highways, curb and gutter is required at curb ramps.

LEGEND:

- Detectable warning surface
- 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)

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OREGON STANDARD DRAWINGS

DETECTABLE WARNING SURFACE DETAILS

2024

DATE	REVISION DESCRIPTION
07-2020	NEW DRAWING CREATED
07-2021	REVISED DETAILS AND NOTES

CALC BOOK NO. — N/A — SDR DATE 19-JUL-2021 — **RD902**

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

07-SEP-2021
RD901.dgn

Linear Referencing Method (LRM) Number
Use ODOT TransGIS, turn on layers Roadside > ADA corners and ADA Ramps to see LRM and corner position number of curb ramps inventoried. Select "Identify Features" and click on Map Position to see Information.

This is a code to identify the intersection on a specific state highway.
There is a four part format for the code: Highway Number; Highway Suffix; Roadway ID, Mileage Type.

1) The Highway Number is a 3 digit number (not the route number) assigned to all state highways by ODOT. Valid numbers are 001-493.
2) Highway Suffix is a letter format assigned to frontage roads and connections to identify the unique connection, for example AA or AB. Use the Identify Features tool on the ODOT Trans GIS Road Network layer > Hwy Network-Colored layer for visual reference. Select "Identify Features" and click on Map Position to see Information. If the intersection is not located on a connection use 00 for the code.
3) Roadway ID is a one letter code used to identify alignment. There are two possible letter codes; "I" for increasing mile point direction and "D" for decreasing mile point direction. For most highways, the "I" direction is south and east. Note I-5 does not follow this rule. Generally "I" will be used. When there is a separated highway there will be an "I" roadway and a "D" roadway. Check the Digital Video Log to be sure of the direction.
4) Mileage Type is used when there are multiple locations of the same mile point on a section of highway. Overlay lapping mileage is listed as "z" mileage.

Example: 228 _ 00 _ I _ 00 (Hwy No. | Suffix | ID | Type)

Milepoint of an intersection is based on the mile point of the center of the intersection listed to the hundredth of a mile.

Corner Position is based on traveling in the increasing mile point direction, beginning with the first corner on the right and proceeding counter-clockwise around the intersection, numbering consecutive 1 through the end of corners. An "A" is added to the number for an island. For example an island between corner positions 1 and 2 and is closer to corner 2 has a corner position number of 2A (See corner position and curb ramp position diagram).

Curb Ramp Position is a number given to each curb ramp beginning with Corner Position 1. The first curb ramp encountered in the increasing mile point direction is number ramp 1. Then proceeds counter-clockwise around the corner, numbering in consecutive order. Proceed following the pedestrian route and in Corner Position Number order (see corner position and curb ramp position diagram).

STANDARD ABBREVIATION FOR CURB RAMP DETAILS

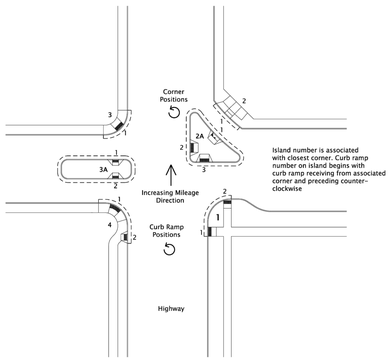
FG	=	Finish Grade (Elevation ft.) i.e. FG XXX.XX'
TFC	=	Top Face of Curb (Elevation ft.)
TBC	=	Top Back of Curb (Elevation ft.)
BFC	=	Bottom Face of Curb (Elevation ft.)
gtr.	=	Gutter (Elevation ft.)
GS	=	Gutter Slope (%), i.e. X.X%
E	=	Curb Exposure (inch), i.e. X"
CS	=	Counter Slope on gutter pan (%)
RRN	=	Ramp Run Number, i.e. RRX
cl.sp.	=	Clear Space
TS	=	Turning Space
XS	=	Cross Slope
LA	=	Level Area
DWS	=	Detectable Warning Surface
PAR	=	Pedestrian Access Route

INTERSECTION CONDITION TYPES

MB	=	Midblock
SU	=	Signalized or Uncontrolled
SY	=	Stop or Yield

LEGEND:

- Fire Hydrant
- Gas Valves Box
- Inlet
- Sanitary Manhole
- Storm Manhole
- Pole Anchor
- Pole Base
- Pedestrian Pedestal
- Pedestrian Pushbutton
- Sign on a Post
- Traffic Signal Junction Box
- Utility Pole
- Utility Vault
- Water Meter
- Water Valve
- Cross Walk Barricade



CORNER POSITION AND CURB RAMP POSITION DIAGRAM
(See ODOT Exhibit A for additional ramp and ramp run numbering conventions.)

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OREGON STANDARD DRAWINGS

CURB RAMP LEGEND AND CORNER IDENTIFICATION

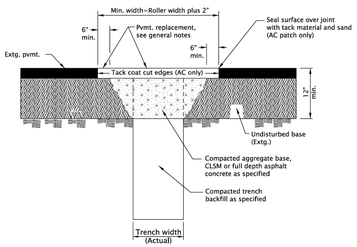
2024

DATE	REVISION DESCRIPTION
07-2020	NEW DRAWING CREATED
09-2021	REVISED NOTES

CALC BOOK NO. — N/A — SDR DATE 14-JAN-2022 — **RD901**

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

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, 2023 - May 31, 2024

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REGISTERED PROFESSIONAL ENGINEER
#62780PE
DIGITALLY SIGNED
OREGON
JULY 13, 2004
DAMIEN GILBERT
Expires: June 30, 2025

project title:

HARRISBURG 6TH STREET RECONSTRUCT

FROM SMITH STREET TO KENSLING STREET
HARRISBURG, OREGON

revisions:

date: MAY 7, 2024
drawn by: ST
designer: ST/JL
project no: 23-009A

DETAILS

sheet:

C5.3

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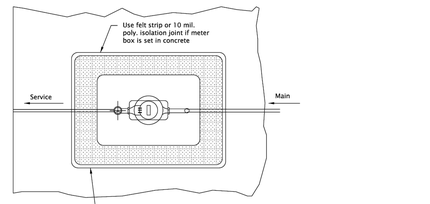
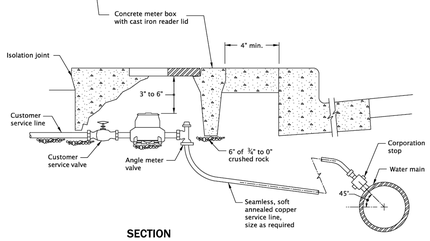
20-JUL-2020

RD274.dgn



PLAN



SECTION

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Meter to be centered and set plumb inside meter box.
2. Manufactured meter setter may be used for ¾" to 2" services.
3. Set meter box 4" minimum behind curb or sidewalk.
4. Meter boxes set in driveways shall have traffic lids.
5. See project plans for meter box size.
6. See project plans for details not shown.

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

¾" TO 2" WATER SERVICE CONNECTION

2024

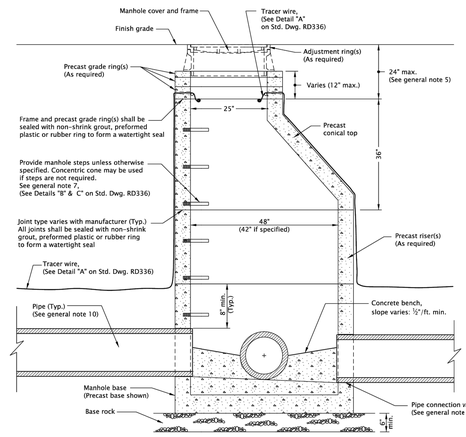
DATE	REVISION DESCRIPTION

CALC. BOOK NO. _ _ _ N/A _ _ _ SDR DATE 25-JUL-2017 | **RD274**

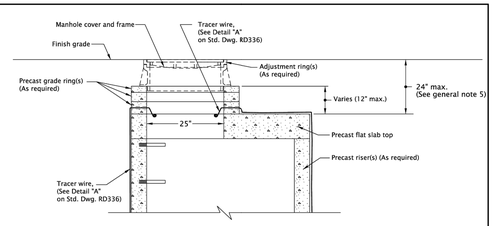
Effective Date: December 1, 2023 - May 31, 2024

20-JUL-2020

RD338.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.
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 21-JUN-2019 | **RD338**

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

20-JUL-2020

RD300.dgn

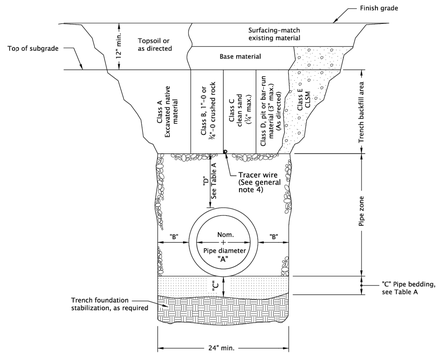
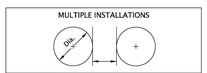


TABLE A

"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.

MULTIPLE INSTALLATIONS



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

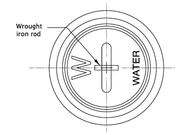
DATE	REVISION DESCRIPTION

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

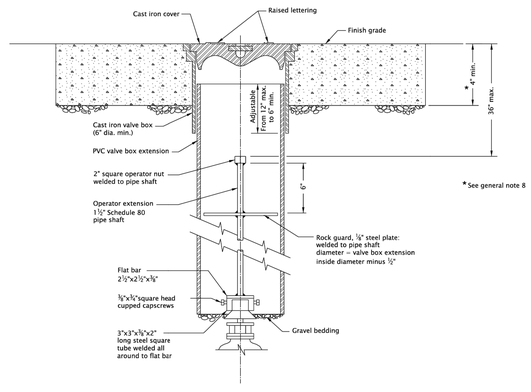
Effective Date: December 1, 2023 - May 31, 2024

20-JUL-2020

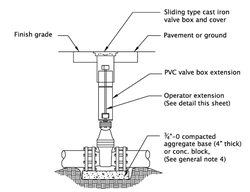
RD258.dgn



COVER PLAN



VALVE BOX EXTENSION SECTION



VALVE BOX ASSEMBLY DETAIL

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Valve box not to rest on operating assembly.
2. Operator extension required when valve nut is deeper than 4' from finish grade.
3. Center valve box on axis of operator nut.
4. Valves 12" and smaller shall be provided with compacted aggr. base on undisturbed ground. Valves greater than 12" shall be installed on precast concrete block, (4" thick).
5. Welds shall be minimum ¼" all around.
6. Hot dip galvanize operator extension after fabrication.
7. Casting shall meet H20 load requirement.
8. Provide concrete or asphalt pad (24" square, 4" thick), when required.
9. See project plans for details not shown.

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

VALVE BOX AND OPERATOR EXTENSION ASSEMBLY

2024

DATE	REVISION DESCRIPTION

CALC. BOOK NO. _ _ _ N/A _ _ _ SDR DATE 20-JUL-2017 | **RD258**

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

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HARRISBURG 6TH STREET RECONSTRUCT

FROM SMITH STREET TO KENSLING STREET
HARRISBURG, OREGON

revisions:

date: MAY 7, 2024
drawn by: ST
designer: ST/JL
project no: 23-009A

DETAILS

sheet:

C5.4

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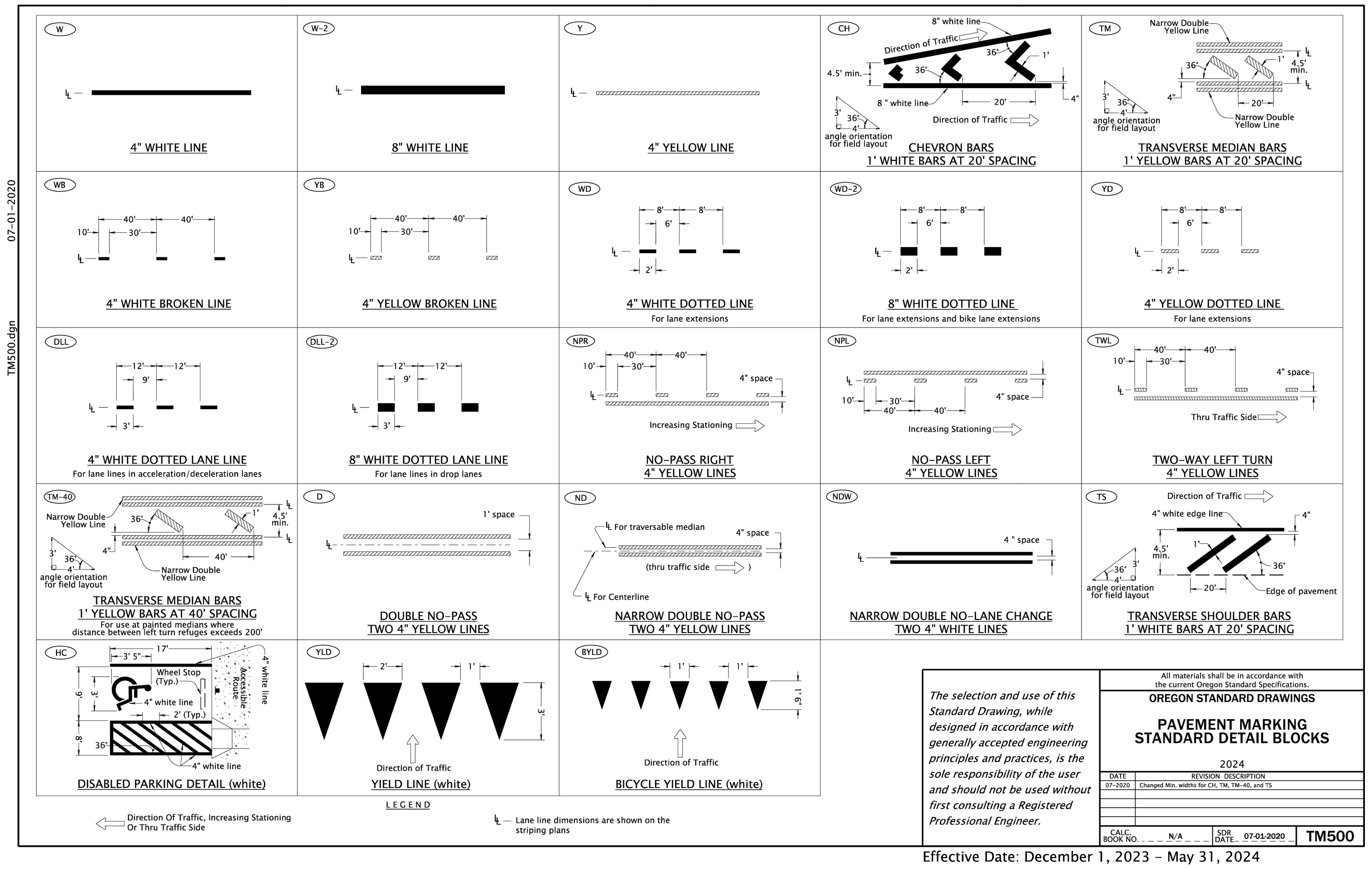
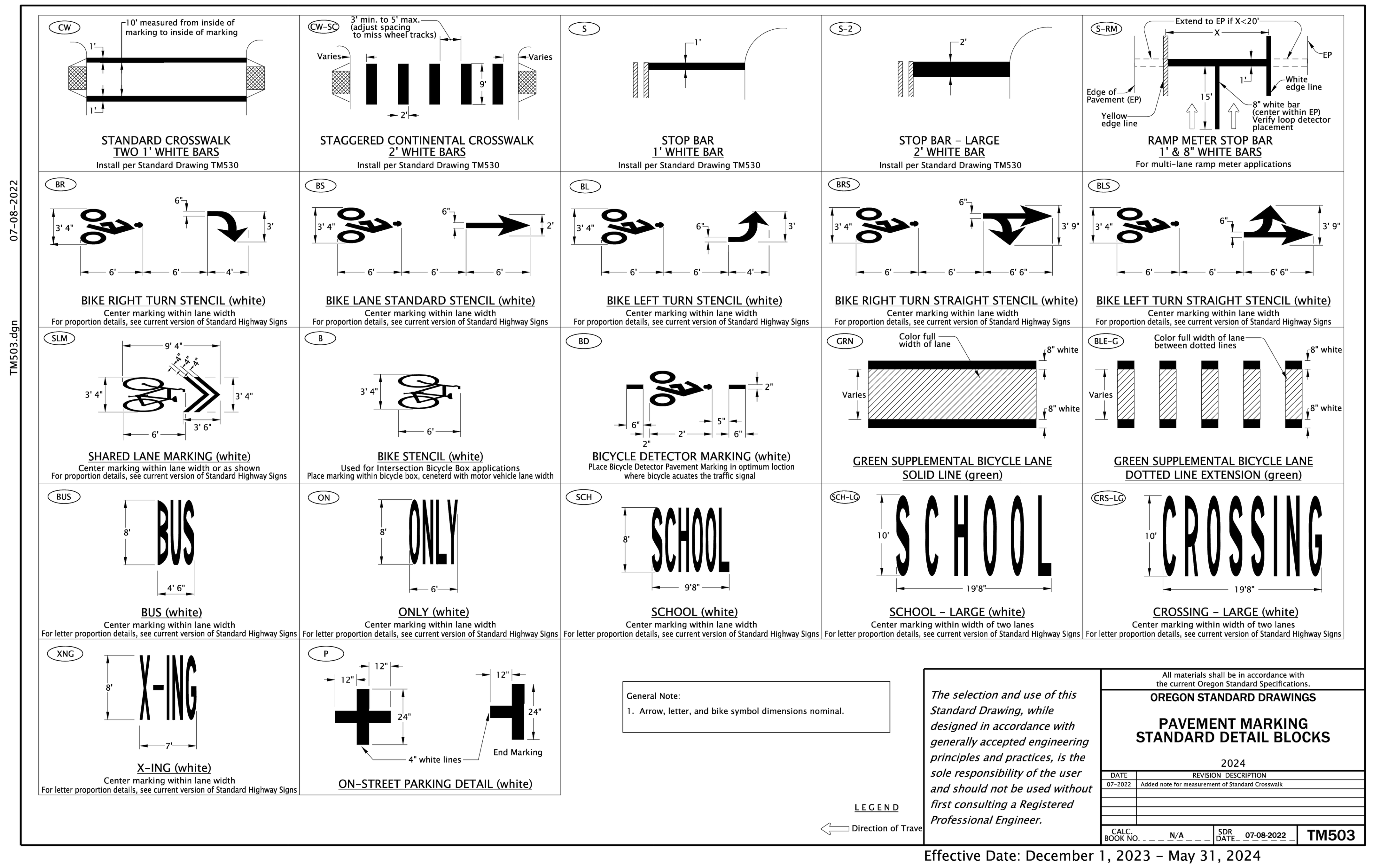
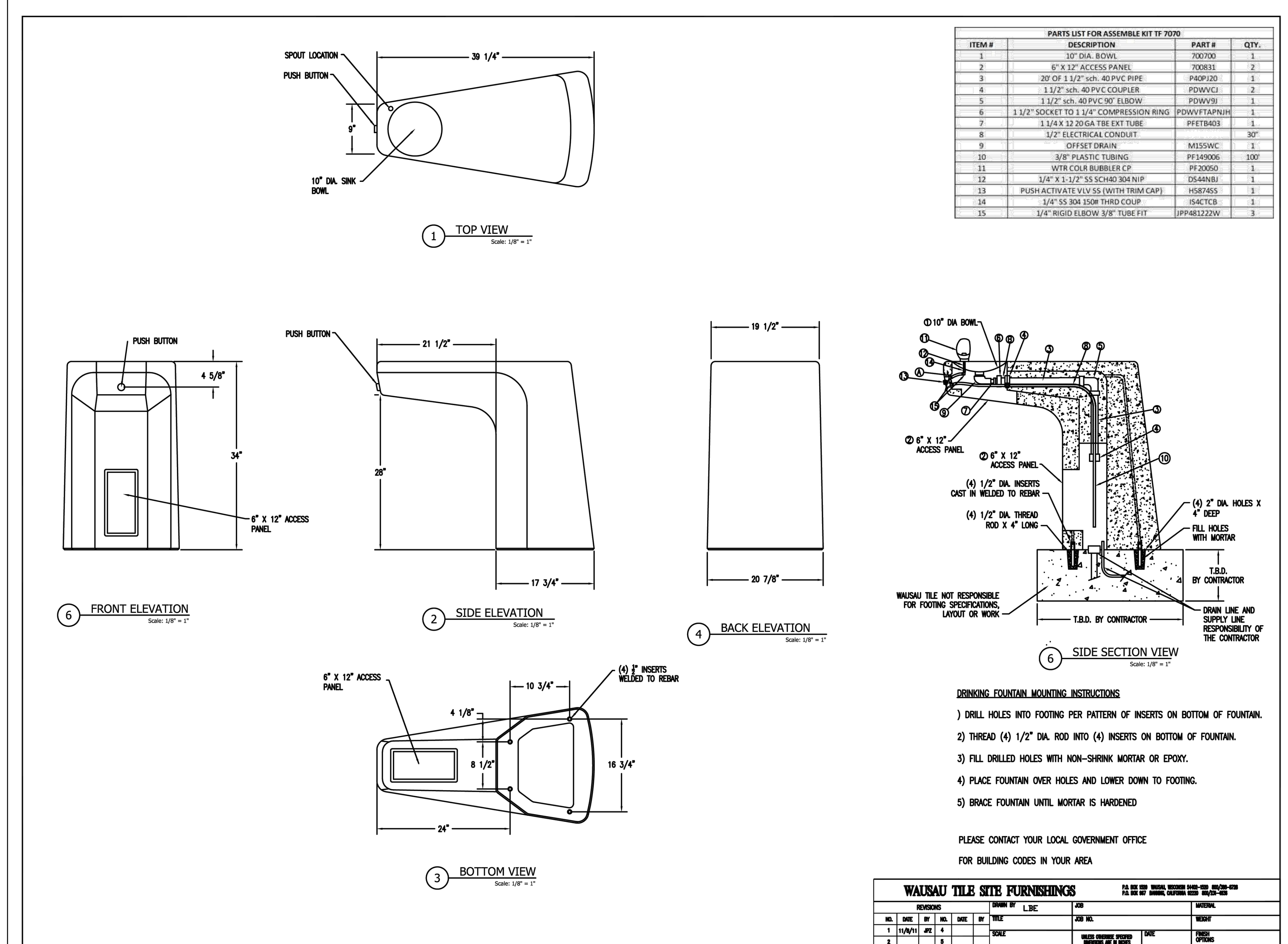

4" WHITE LINE
8" WHITE LINE
4" YELLOW LINE
CHEVRON BARS
1' WHITE BARS AT 20' SPACING
TRANSVERSE MEDIAN BARS
1' YELLOW BARS AT 20' SPACING
4" WHITE BROKEN LINE
4" YELLOW BROKEN LINE
4" WHITE DOTTED LINE
For lane extensions
8" WHITE DOTTED LINE
For lane extensions and bike lane extensions
4" YELLOW DOTTED LINE
For lane extensions
4" WHITE DOTTED LANE LINE
For lane lines in acceleration/deceleration lanes
8" WHITE DOTTED LANE LINE
For lane lines in drop lanes
NO-PASS RIGHT
4" YELLOW LINES
NO-PASS LEFT
4" YELLOW LINES
TWO-WAY LEFT TURN
4" YELLOW LINES
TRANSVERSE MEDIAN BARS
1' YELLOW BARS AT 40' SPACING
For use at painted medians where distance between left turn refuges exceeds 200'
DOUBLE NO-PASS
TWO 4" YELLOW LINES
NARROW DOUBLE NO-PASS
TWO 4" YELLOW LINES
NARROW DOUBLE NO-LANE CHANGE
TWO 4" WHITE LINES
TRANSVERSE SHOULDER BARS
1' WHITE BARS AT 20' SPACING
DISABLED PARKING DETAIL (white)
YIELD LINE (white)
BICYCLE YIELD LINE (white)
LEGEND
Direction Of Traffic, Increasing Stationing Or Thru Traffic Side
Lane line dimensions are shown on the striping 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
PAVEMENT MARKING
STANDARD DETAIL BLOCKS
2024
TM500
Effective Date: December 1, 2023 - May 31, 2024


STANDARD CROSSWALK
TWO 1' WHITE BARS
STAGGERED CONTINENTAL CROSSWALK
2' WHITE BARS
STOP BAR
1' WHITE BAR
STOP BAR - LARGE
2' WHITE BAR
RAMP METER STOP BAR
1' & 8" WHITE BARS
BIKE RIGHT TURN STENCIL (white)
BIKE LANE STANDARD STENCIL (white)
BIKE LEFT TURN STENCIL (white)
BIKE RIGHT TURN STRAIGHT STENCIL (white)
BIKE LEFT TURN STRAIGHT STENCIL (white)
SHARED LANE MARKING (white)
BIKE STENCIL (white)
BICYCLE DETECTOR MARKING (white)
GREEN SUPPLEMENTAL BICYCLE LANE SOLID LINE (green)
GREEN SUPPLEMENTAL BICYCLE LANE DOTTED LINE EXTENSION (green)
BUS
BUS (white)
ONLY
ONLY (white)
SCHOOL
SCHOOL (white)
SCHOOL - LARGE (white)
CROSSING
CROSSING - LARGE (white)
X-ING
X-ING (white)
ON-STREET PARKING DETAIL (white)
General Note:
1. Arrow, letter, and bike symbol dimensions nominal.
The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.
OREGON STANDARD DRAWINGS
PAVEMENT MARKING
STANDARD DETAIL BLOCKS
2024
TM503
Effective Date: December 1, 2023 - May 31, 2024


TOP VIEW
FRONT ELEVATION
SIDE ELEVATION
BACK ELEVATION
SIDE SECTION VIEW
BOTTOM VIEW
DRINKING FOUNTAIN MOUNTING INSTRUCTIONS
1) DRILL HOLES INTO FOOTING PER PATTERN OF INSERTS ON BOTTOM OF FOUNTAIN.
2) THREAD (4) 1/2" DIA. ROD INTO (4) INSERTS ON BOTTOM OF FOUNTAIN.
3) FILL DRILLED HOLES WITH NON-SHRINK MORTAR OR EPOXY.
4) PLACE FOUNTAIN OVER HOLES AND LOWER DOWN TO FOOTING.
5) BRACE FOUNTAIN UNTIL MORTAR IS HARDENED
PLEASE CONTACT YOUR LOCAL GOVERNMENT OFFICE FOR BUILDING CODES IN YOUR AREA
WAUSAU TILE SITE FURNISHINGS

PARTS LIST FOR ASSEMBLE KIT TF 7070			
ITEM #	DESCRIPTION	PART #	QTY.
1	10" DIA. BOWL	700700	1
2	6" X 12" ACCESS PANEL	700831	2
3	20' OF 1 1/2" sch. 40 PVC PIPE	P40PJ20	1
4	1 1/2" sch. 40 PVC COUPLER	PDWVCJ	2
5	1 1/2" sch. 40 PVC 90° ELBOW	PDWV9J	1
6	1 1/2" SOCKET TO 1 1/4" COMPRESSION RING	PDWVFTAPNJH	1
7	1 1/4 X 12 20 GA TBE EXT TUBE	PFETB403	1
8	1/2" ELECTRICAL CONDUIT		30"
9	OFFSET DRAIN	M155WC	1
10	3/8" PLASTIC TUBING	PF149006	100'
11	WTR COLR BUBBLER CP	PF20050	1
12	1/4" X 1-1/2" SS SCH40 304 NIP	DS44NBJ	1
13	PUSH ACTIVATE VLV SS (WITH TRIM CAP)	H5874SS	1
14	1/4" SS 304 150# THRD COUP	IS4CTCB	1
15	1/4" RIGID ELBOW 3/8" TUBE FIT	JPP481222W	3

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FROM SMITH STREET TO KENSLING STREET
HARRISBURG, OREGON

revisions:

date: MAY 7, 2024
drawn by: ST
designer: ST/JL
project no: 23-009A

DETAILS

sheet: C5.5

6TH STREET RECONSTRUCT
CONSTRUCTION SITE MANAGEMENT PLAN
HARRISBURG, LINN COUNTY, OREGON

BMP MATRIX FOR CONSTRUCTION PHASE

	CLEARING/ DEMO	MASS GRADING/ UTILITY CONSTRUCTION	VERTICAL CONSTRUCTION	FINAL STABILIZATION
CONCRETE TRUCK WASHOUT				
CONSTRUCTION ENTRANCE	X	X		
DEWATERING (TREATMENT LOCATION, SCHEMATIC & SAMPLING PLAN REQUIRED)				
EARTH DIKES (STABILIZED)				
EROSION CONTROL BLANKETS AND MATS (SPECIFY TYPE)				
MULCHES (SPECIFY TYPE)				X
MYCORRHIZAE/BIOFERTILIZERS				
NATURAL BUFFER ZONES				
ORANGE FENCING (PROTECTING SENSITIVE/PRESERVED AREAS)				
				X
PERMANENT SEEDING AND PLANTING				X
	X	X		
PRESERVE EXISTING VEGETATION	X	X		X
	X	X		X
	X	X		X
STORM DRAIN INLET PROTECTION				
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

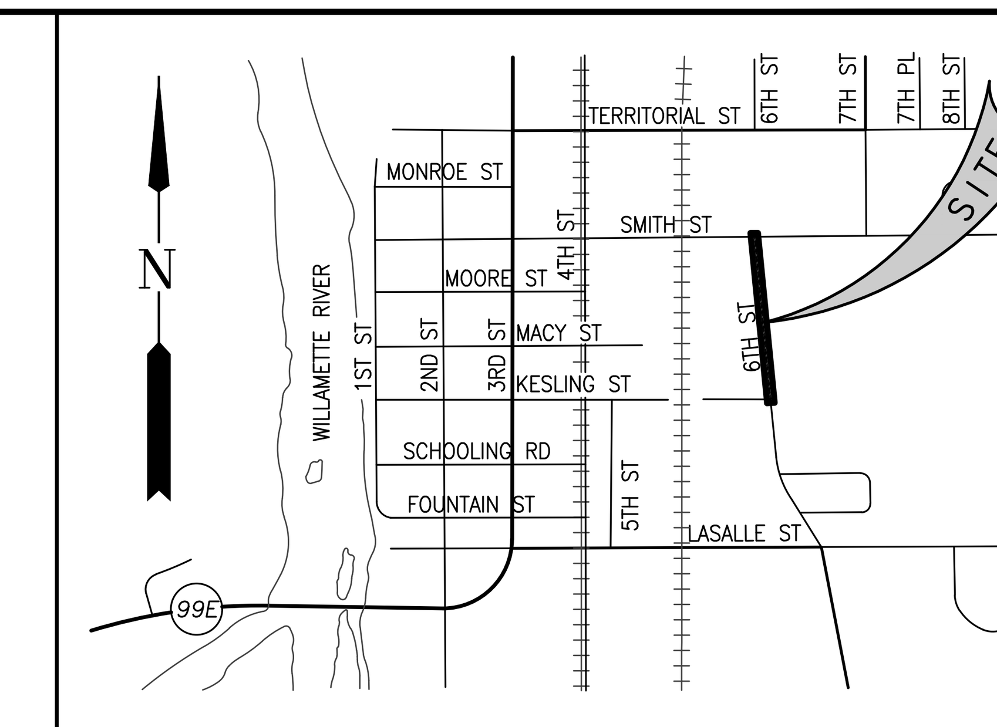
1. PRIOR TO ANY GROUND DISTURBANCE ON THE SITE ONE INSPECTION WITH DEQ STAFF IS REQUIRED. ISSUANCE OF THIS PLAN DOES NOT RELIEVE THE PERMIT HOLDER AND/OR THE CONTRACTOR FROM ALL OTHER PERMITTING REQUIREMENTS. PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES, ALL OTHER NECESSARY APPROVALS SHALL BE OBTAINED.
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.



VICINITY MAP SCALE: 1''=2000'

SHEET INDEX

OWNER/APPLICANT

CITY OF HARRISBURG
CONTACT: CHUCK SCHULZ
120 SMITH STREET P.O. BOX 378
HARRISBURG, OR 97446
PHONE: (541) 995-6655
E-MAIL: cscholz@ci.harrisburg.org

BMP INSTALLER/MAINTAINER

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

RAIN GAUGE LOCATION

STATION "WILLAMETTE RIVER NEAR HARRISBURG"
LAT/LONG: 44.2705, -123.1725
APPROXIMATELY .38 MI. EAST OF SITE.
(https://waterdata.usgs.gov)

ENGINEER/ESCP PREPARER

BRANCH ENGINEERING, INC.
CONTACT: DAMIEN GILBERT, P.E.
310 5th STREET
SPRINGFIELD, OREGON 97477
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EMAIL: damieng@branchengineering.com

SURVEYOR

BRANCH ENGINEERING, INC.
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310 5th STREET
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EMAIL: dann@branchengineering.com

CONTRACTOR

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

LIST OF SUBCONTRACTORS

TO BE DETERMINED

SITE INFORMATION

TYPE OF DEVELOPMENT: THE PROJECT ADDRESSED BY THIS EROSION AND SEDIMENT CONTROL PLAN CONSISTS OF RECONSTRUCTION OF AN EXISTING ROAD AND SIDEWALK.

1. CONSTRUCTION ACTIVITY WILL CONSIST OF:
    a. CLEARING AND GRADING
    b. PAVING
    c. UTILITY CONSTRUCTION
2. PROJECT TIMELINE:
    CLEARING: SUMMER, 2024
    MASS GRADING: SUMMER, 2024
    UTILITY CONSTRUCTION: SUMMER, 2024
    VERTICAL CONSTRUCTION: SUMMER, 2024
    FINAL STABILIZATION: SUMMER, 2024
3. PROJECT HOURS: MONDAY-SATURDAY, 7AM-6PM
4. PROJECT SITE AREAS:
    TOTAL AREA: 1.03 AC
    DISTURBED AREA: 1.03 AC
    PERCENT OF SITE DISTURBED: 100%

    OFFSITE PUBLIC IMPROVEMENT AREA: N/A
    IMPROVEMENT LENGTH: N/A
5. ONSITE SOIL TYPES:
    33D DAYTON SILT LOAM, 0-2% SLOPE
    46D HOLCOLM SILT LOAM, 0-3% 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: 233 CUBIC YARDS
    FILL: 205 CUBIC YARDS
    (CONTRACTOR TO VERIFY)

GRADING, STREET AND UTILITY EROSION CONTROL CONSTRUCTION NOTES

1. PERMANENT PLANTINGS SHALL BE PER LANDSCAPE PLANS.
2. SLOPE TO RECEIVE PERMANENT SEEDED COMPOST SHALL HAVE THE SURFACE ROUGHENED BY MEANS OF TRACK-WALKING OR THE USE OF OTHER APPROVED IMPLEMENTS. SURFACE ROUGHENING IMPROVES SEED BEDDING AND REDUCED RUN-OFF VELOCITY.
3. LONG TERM SLOPE STABILIZATION MEASURES SHALL INCLUDE THE ESTABLISHMENT OF PERMANENT VEGETATIVE COVER VIA SEEDING WITH SUNMARK NATIVE EC MIX OR APPROVED ALTERNATE.
4. TEMPORARY SLOPE STABILIZATION MEASURES SHALL INCLUDE: COVERING EXPOSED SOIL WITH PLASTIC SHEETING, STRAW MULCHING, OR OTHER APPROVED MEASURES.
5. STOCKPILED SOIL OR STRIPPING SHALL BE PLACED IN A STABLE LOCATION AND CONFIGURATION. DURING "WET WEATHER" PERIODS, STOCKPILES SHALL BE COVERED WITH PLASTIC SHEETING. SEDIMENT FENCE IS REQUIRED AROUND THE PERIMETER OF THE STOCKPILE.
6. EXPOSED CUT OR FILL AREAS SHALL BE STABILIZED THOUGH THE USE OF TEMPORARY SEEDING AND MULCHING, SLOPES EXCEEDING 25% MAY REQUIRE ADDITIONAL EROSION CONTROL MEASURES.
7. AREAS SUBJECT TO WIND EROSION SHALL USE APPROPRIATE DUST CONTROL MEASURES INCLUDING THE APPLICATION OF A FINE SPRAY OF WATER, STRAW MULCHING, OR OTHER APPROVED MEASURES.
8. CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
9. ACTIVE INLETS TO STORM WATER SYSTEMS SHALL BE PROTECTED THROUGH THE USE OF APPROVED INLET PROTECTION MEASURES. ALL INLET PROTECTION MEASURES ARE TO BE REGULARLY INSPECTED AND MAINTAINED.
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 STORM WATER SYSTEM (MINIMUM 50 FEET AWAY FROM STORM FACILITY, NATURAL RESOURCE PROTECTION AREA OR STORM WATER DISCHARGE POINT. 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 MAY BE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHED 50% OF THE CAPACITY.
12. SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
13. AVOID PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN-OFF IN TO THE STORM WATER SYSTEM.
14. COVER CATCH BASINS, MANHOLES, AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACK COAT, ETC. TO PREVENT INTRODUCING THESE MATERIALS TO THE STORM WATER SYSTEM.

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REGISTERED PROFESSIONAL ENGINEER
#62780PE
DIGITALLY SIGNED
OREGON
JULY 13, 2004
DAMIEN GILBERT
Expires: *June 30, 2025*

project title:

HARRISBURG 6TH STREET RECONSTRUCT

FROM SMITH STREET TO KENSLING STREET
HARRISBURG, OREGON

revisions:

date:	MAY 7, 2024
drawn by:	ST
designer:	ST/JL
project no:	23-009A

EROSION CONTROL COVER SHEET

sheet: **EC0.0**

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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 PROCEDE 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.

NOTES

1. *ENTIRE LIMITS OF DISTURBANCE MAY BE SUBJECTED TO POLLUTANTS, & EQUIPMENT TRAFFIC. CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING SITE AND ANY POTENTIAL POLLUTANT DISCHARGE.*

PROJECT SITE CONTRACTOR LIST

CONTRACTOR COMPANY NAME	*CLEARING*	*MASS GRADING/ UTILITY CONSTRUCTION/ VERTICAL CONSTRUCTION*	*FINAL STABILIZATION*
GENERAL:			
TBD	*X*	*X*	*X*
SUBCONTRACTORS:			
NOT APPLICABLE AT THIS TIME			

THIS PLAN SHEET WAS SETUP FOR CONTRACTOR USE AS NEEDED TO AID IN MAINTAINING ACTIVE SUBCONTRACTOR AND POLLUTANT LISTS AND IS SEPARATE FROM THE CIVIL SHEETS.

CONTRACTOR TO ADD TO EROSION AND SEDIMENT CONTROL SITE PLAN:
1. *ACTIVE LIST OF LOCATIONS OF POLLUTANTS*
2. *PORTA POTTY LOCATIONS*
3. *WASTE RECEPTACLES*
4. *WHERE FERTILIZER WILL BE USED*

NOTE: CONTRACTOR IS REQUIRED TO MAINTAIN ACTIVE LIST OF SUBCONTRACTORS AND POLLUTANTS USED THROUGH THE COURSE OF THE PROJECT ALONG WITH THEIR STORAGE LOCATION ON SITE AT ALL TIMES. CONTRACTOR TO SUPPLY THE ACTIVE LIST TO THE DEQ AS NEEDED.

PROJECT SITE POLLUTANT LIST MATRIX

	POTENTIAL POLLUTANT	POLLUTANT ACTIVITY	PROJECT LOCATION	CONTRACTOR	NOTES
1	DIESEL FUEL	EXCAVATION / MOVING MATERIALS	ENTIRE PROJECT	TBD	
2	GASOLINE FUEL	EXCAVATION / MOVING MATERIALS	ENTIRE PROJECT	TBD	
3	MOTOR OIL, HYDRAULIC OIL	EXCAVATION / MOVING MATERIALS / HEAVY EQUIPMENT	ENTIRE PROJECT	TBD	
4	ANTIFREEZE COOLANT	HEAVY EQUIPMENT	ENTIRE PROJECT	TBD	
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REGISTERED PROFESSIONAL ENGINEER
#62780PE
DIGITALLY SIGNED
OREGON
JULY 13, 2004
DAMIEN GILBERT
Expires: June 30, 2025

project title:

HARRISBURG 6TH STREET RECONSTRUCT

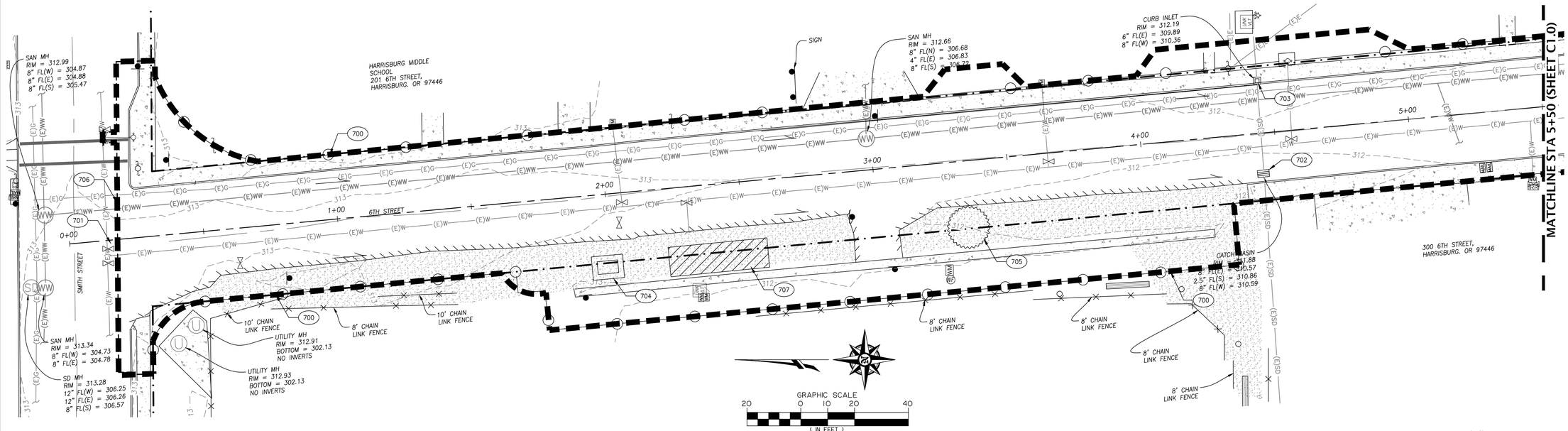
FROM SMITH STREET TO KENSLING STREET
HARRISBURG, OREGON

revisions:

date: MAY 7, 2024
drawn by: ST
designer: ST/JL
project no: 23-009A

EROSION CONTROL NOTES

sheet: **EC0.1**



EXISTING CONDITIONS AND DEMO 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 LIMITS OF DISTURBANCE.
3. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
4. RUN-ON AND RUN-OFF CONTROLS SHALL BE IN PLACE AND FUNCTIONING FOR THE DURATION OF THE PROJECT, RUN-ON AND RUN-OFF CONTROL MEASURES INCLUDE: CHECK DAMS, SURFACE ROUGHENING AND BANK STABILIZATION.
5. 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.
6. CONTRACTOR SHALL COORDINATE WITH EPSC CERTIFIED VISUAL MONITORING INSPECTOR TO DETERMINE FINAL BMP TYPE AND PLACEMENT.
7. CONSTRUCTION WILL OCCUR DURING SUMMER MONTHS. DEWATERING IS NOT EXPECTED TO OCCUR. IF DEWATERING IS REQUIRED, DISCHARGE WATER TO ESTABLISHED VEGETATION IN UPLAND AREA.

EROSION CONTROL KEYNOTES

(700) CONSTRUCT SEDIMENT FENCE AND/OR COMPOST FILTER SOCK AT LIMITS OF DISTURBANCE WHERE NECESSARY TO LIMIT SEDIMENT DRAINING ONTO PRIVATE PROPERTY. CONTRACTOR TO COORDINATE WITH EPSC CERTIFIED VISUAL MONITORING INSPECTOR FOR FINAL PLACEMENT. INSTALLATION OF BMPS PER OREGON STANDARD DRAWINGS RD1040, SHEET EC3.0.

(701) USE EXISTING PAVED ROAD AS CONSTRUCTION ENTRANCE/EXIT.

(702) INSTALL TYPE 7 INLET PROTECTION FOR CURB INLET PER OREGON STANDARD DRAWING RD1010 ON SHEET EC3.0.

(703) INSTALL TYPE 10 INLET PROTECTION FOR CATCH BASIN PER OREGON STANDARD DRAWING RD1010 ON SHEET EC3.0.

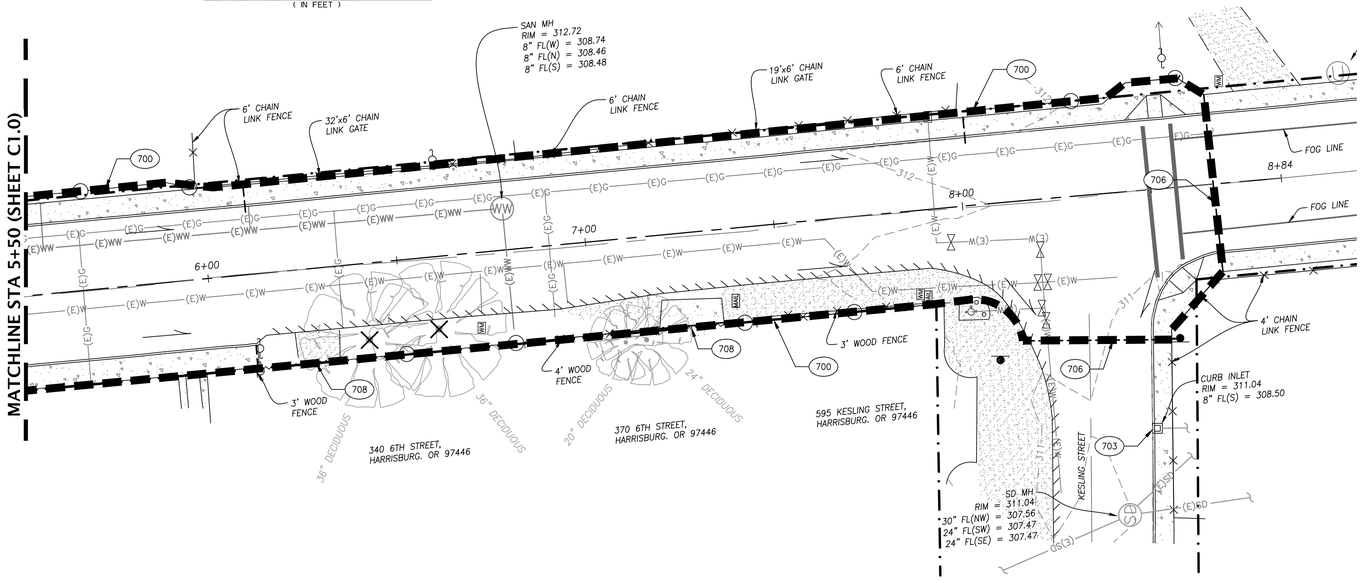
(704) PROVIDE DUMPSTER CONTAINERS FOR CONSTRUCTION DEBRIS. FINAL LOCATION TBD BY CONTRACTOR.

(705) TEMPORARY STOCKPILE LOCATION. INSTALL PLASTIC SHEETING ON STOCKPILE PER ODOT TECHNICAL SERVICES DETAIL DET6001 ON SHEET EC3.0. CONTRACTOR SHALL COORDINATE LOCATION WITH INSPECTOR PRIOR TO INSTALLATION.

(706) SAWCUT AS NEEDED AND REMOVE EXISTING PAVEMENT. ENSURE THAT NO CONTAMINANTS RESULTING FROM SAWCUTTING ACTIVITIES ENTER THE STORMWATER SYSTEM.

(707) TEMPORARY AREA FOR EQUIPMENT STORAGE & MAINTENANCE, MATERIAL STORAGE, STAGING, FUEL STORAGE & REFUELING, AND HAZARDOUS WASTE. SEE SPILL PREVENTION AND CONTROL NOTES ON SHEET EC0.1.

(708) DURING STORM EVENTS, INSTALL WATTLE ON DRIVEWAYS AND PEDESTRIAN ACCESSES, AS SHOWN, TO CONTROL RUN OFF. PLACE A SANDBAG AT EACH END OF WATTLE AND 3' OC TO HOLD IT IN PLACE. REMOVE FOR VEHICULAR TRAFFIC WHEN NEEDED.



LEGEND

- LIMITS OF DISTURBANCE
- EXISTING CONTOUR
- SEDIMENT FENCE, OR APPROVED ALTERNATE.
- DIRECTION OF FLOW
- DECIDUOUS TREE
- EVERGREEN TREE
- TREE TO BE REMOVED
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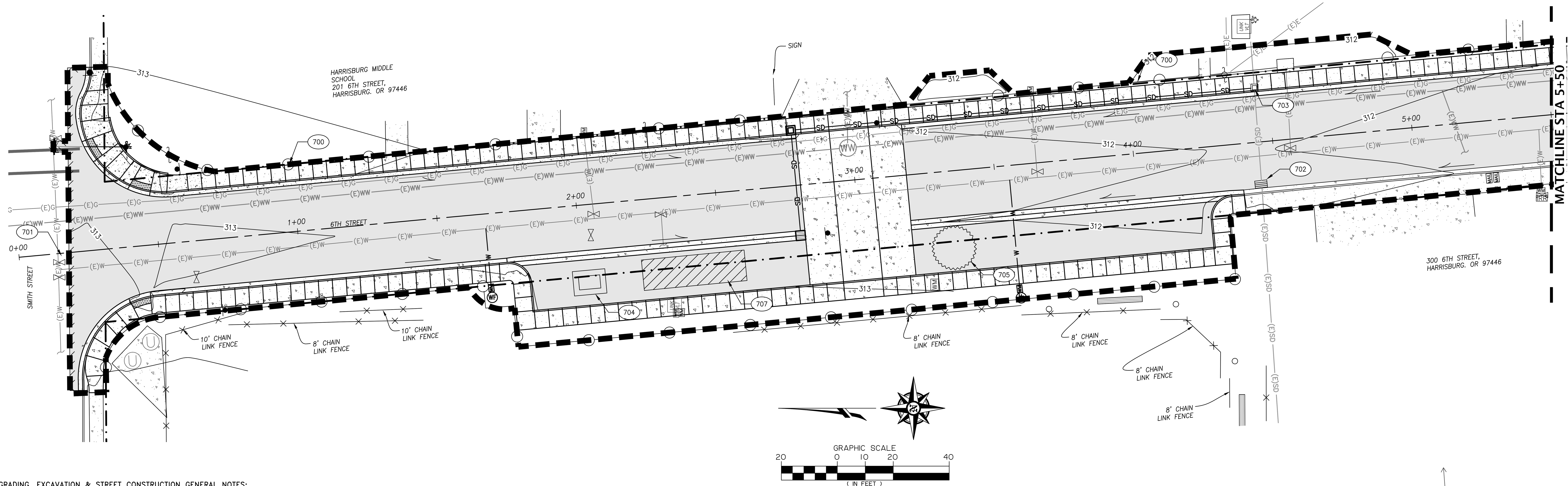
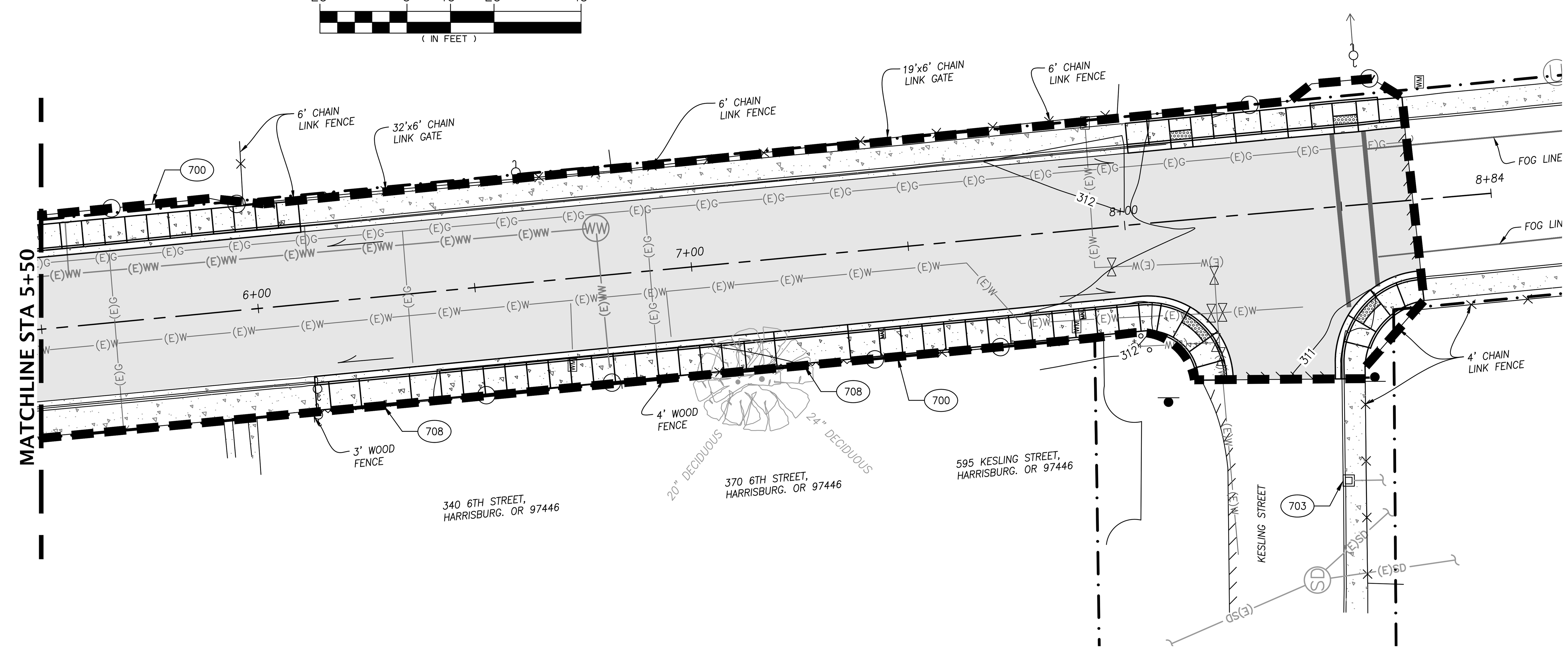
designer:	ST/JL
project no:	23-009A

EROSION CONTROL EXISTING COND

sheet:

EC1.0





GRADING, EXCAVATION & STREET CONSTRUCTION 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 CONSTRUCTION BARRIER (PERIMETER SEDIMENT FENCE).
3. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, STREET SWEEPING, AND VACUUMING, MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
4. 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.
5. 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.
6. 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.
7. CONSTRUCTION ENTRANCES SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES INCLUDING, BUT NOT LIMITED TO, TIRE WASHES, STREET SWEEPING, AND VACUUMING MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
8. ACTIVE INLETS TO STORM WATER 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.
9. SATURATED MATERIALS THAT ARE HAULED OFF-SITE MUST BE TRANSPORTED IN WATER-TIGHT TRUCKS TO ELIMINATE SPILLAGE OF SEDIMENT AND SEDIMENT-LADEN WATER.
10. 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 STORM WATER 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 MAY BE REQUIRED. THE WASH-OUT SHALL BE LOCATED WITHIN SIX FEET OF TRUCK ACCESS AND BE CLEANED WHEN IT REACHES 50% OF THE CAPACITY.
11. SWEEPINGS FROM EXPOSED AGGREGATE CONCRETE SHALL NOT BE TRANSFERRED TO THE STORM WATER SYSTEM. SWEEPINGS SHALL BE PICKED UP AND DISPOSED IN THE TRASH.
12. AVOID PAVING IN WET WEATHER WHEN PAVING CHEMICALS CAN RUN-OFF INTO THE STORM WATER SYSTEM.
13. USE BMPs SUCH AS CHECK-DAMS, BERMS, AND INLET PROTECTION TO PREVENT RUN-OFF FROM REACHING DISCHARGE POINTS.
14. COVER CATCH BASINS, MANHOLES, AND OTHER DISCHARGE POINTS WHEN APPLYING SEAL COAT, TACK COAT, ETC. TO PREVENT INTRODUCING THESE MATERIALS TO THE STORM WATER SYSTEM.
15. ROUTINE MAINTENANCE SPECIFICATIONS FOR PERIMETER CONTROLS DOCUMENTED IN THE EPSCP MUST INCLUDE SECTIONS 2.1.4, 2.1.5 AND 2.2.6 OF THE GENERAL PERMIT NPDES CONSTRUCTION STORMWATER DISCHARGE PERMIT.
16. CONTRACTOR SHALL COORDINATE WITH EPSC CERTIFIED VISUAL MONITORING INSPECTOR TO DETERMINE FINAL BMP TYPE AND PLACEMENT.
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.

EROSION CONTROL KEYNOTES

700	CONSTRUCT SEDIMENT FENCE AND/OR COMPOST FILTER SOCK AT LIMITS OF DISTURBANCE WHERE NECESSARY TO LIMIT SEDIMENT DRAINING ONTO PRIVATE PROPERTY. CONTRACTOR TO COORDINATE WITH EPSC CERTIFIED VISUAL MONITORING INSPECTOR FOR FINAL PLACEMENT. INSTALLATION OF BMPS PER OREGON STANDARD DRAWINGS RD1040, SHEET EC3.0.
701	USE EXISTING PAVED ROAD AS CONSTRUCTION ENTRANCE/EXIT.
702	INSTALL TYPE 7 INLET PROTECTION FOR CURB INLET PER OREGON STANDARD DRAWING RD1010, SHEET EC3.0.
703	INSTALL TYPE 10 INLET PROTECTION FOR CATCH BASIN PER OREGON STANDARD DRAWING RD1010, SHEET EC3.0.
704	PROVIDE DUMPSTER CONTAINERS FOR CONSTRUCTION DEBRIS. FINAL LOCATION TBD BY CONTRACTOR.
705	TEMPORARY STOCKPILE LOCATION. INSTALL PLASTIC SHEETING ON STOCKPILE PER ODOT TECHNICAL SERVICES DETAIL DET6001 ON SHEET EC3.0. CONTRACTOR SHALL COORDINATE LOCATION WITH INSPECTOR PRIOR TO INSTALLATION.
707	TEMPORARY AREA FOR EQUIPMENT STORAGE & MAINTENANCE, MATERIAL STORAGE, STAGING, FUEL STORAGE & REFUELING, AND HAZARDOUS WASTE. SEE SPILL PREVENTION AND CONTROL NOTES ON SHEET EC000.
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LEGEND

- LIMITS OF DISTURBANCE
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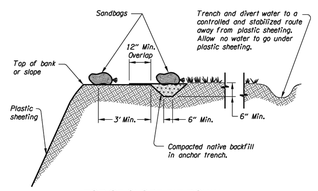
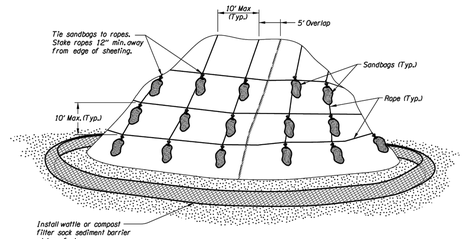
designer:	ST/JL
project no:	23-009A

EROSION CONTROL PROPOSED

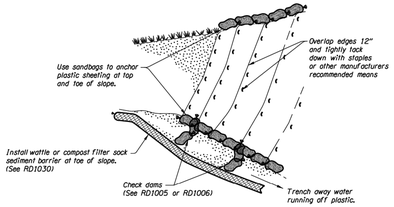
sheet: EC2.0



TOP OF SLOPE TIE DOWN



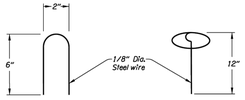
STOCKPILE



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

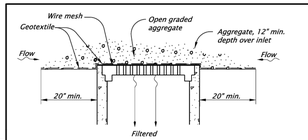
The selection and use of this detail, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

OREGON DEPARTMENT OF TRANSPORTATION
TECHNICAL SERVICES
DETAILS

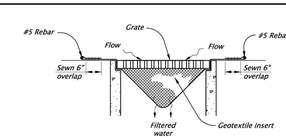
PLASTIC SHEETING — DETAIL NO. DET6001

det6001.dgn 01-Jan-2015

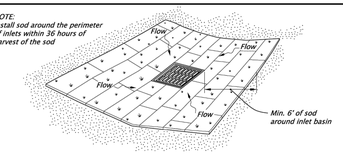
DET6001



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



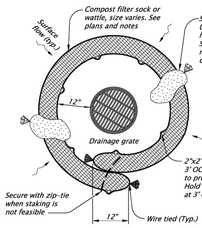
PREFABRICATED FILTER INSERT - TYPE 3
NOT TO SCALE



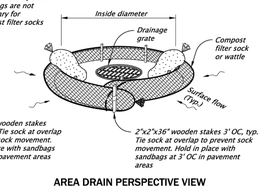
SOD PROTECTION - TYPE 6
NOT TO SCALE

20-JAN-2021

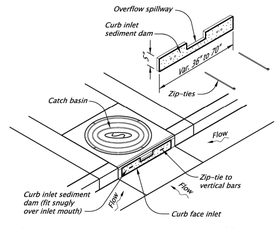
RD1010.dgn



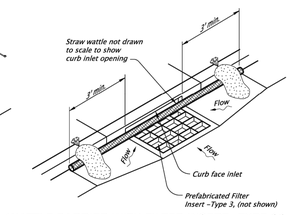
AREA DRAIN PLAN



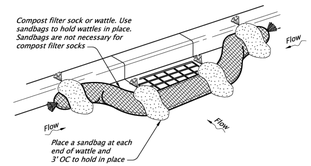
AREA DRAIN PERSPECTIVE VIEW



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.

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

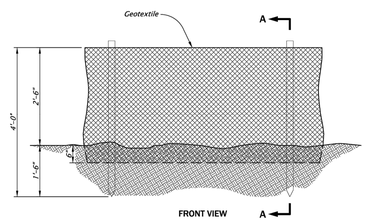
INLET PROTECTION
TYPE 2, 3, 6, 7, 10 AND 11

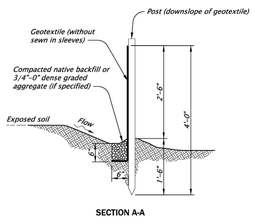
2024

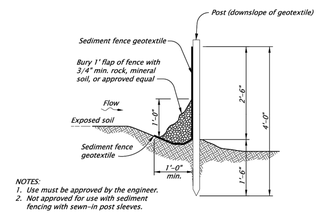
DATE	REVISION DESCRIPTION
01-2021	REMOVED CALC BOOK NUMBERS
01-2021	MOVED NOTES UP FROM OVERLAPPING THE SHEET BORDER

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

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







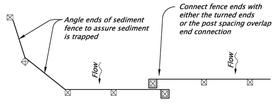
NOTES:
1. *Use must be approved by the engineer.*
2. *Not approved for use with sediment fencing with sewn-in post sleeves.*

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

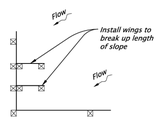
ALTERNATE SEDIMENT FENCE WITHOUT TRENCHING - TYPE 2
NOT TO SCALE

20-JAN-2021

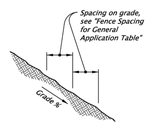
RD1040.dgn



PLAN VIEW



TERMINATION AT CORNER OR PROPERTY LINE



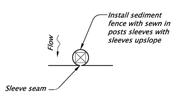
GENERAL NOTES:
1. *Use 2"x2" wood fence posts.*
2. *Posts to be installed on downhill side of sediment fence geotextile. Position posts to prevent separation from geotextile.*
3. *Compact filter fabric trench backfill and soil on uphill side of fence.*
4. *Locate fence no closer than three feet to the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

FENCE SPACING FOR GENERAL APPLICATION TABLE

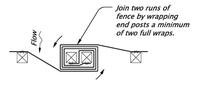
INSTALL PARALLEL ALONG CONTOURS AS FOLLOWS	
GRADE	*MAXIMUM SPACING ON GRADE*
Grade < 10%	*300'*
10% ≤ Grade < 15%	*150'*
15% ≤ Grade < 20%	*100'*
20% ≤ Grade < 30%	*50'*
30% ≤ Grade	*25'*

POST SPACING TABLE

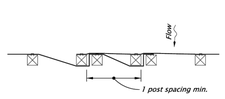
6'	*Sediment Fence with Geotextile elongation less than 50%*
4'	*Sediment Fence with Geotextile elongation 50% or more*



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.

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

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, 2023 – May 31, 2024

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Expires: June 30, 2025

project title:

HARRISBURG 6TH STREET RECONSTRUCT

FROM SMITH STREET TO KENSLING STREET
HARRISBURG, OREGON

revisions:

date: MAY 7, 2024
drawn by: ST
designer: ST/JL
project no: 23-009A

EROSION CONTROL DETAILS

sheet:

EC3.0

C:\Users\sam\appdata\local\temp\AcPublish_23296\23-009a Harrisburg 6th St Reconstruct.dwg 5/7/2024 9:13 AM SMT