

DIAMOND HILL ROAD

WATERLINE & STREET IMPROVEMENTS

FROM 7TH STREET TO 9TH STREET

HARRISBURG, OREGON



EXPIRES: DECEMBER 31, 2022

project title:

DIAMOND HILL ROAD

WATERLINE & STREET IMPROVEMENTS

FROM 7TH STREET TO 9TH STREET
HARRISBURG, OREGON

revisions:

date: JUNE 14, 2021
drawn by: GAM
designer: GAM
project no: 20-009B

COVER SHEET

sheet:

C0

LEGEND

EXISTING

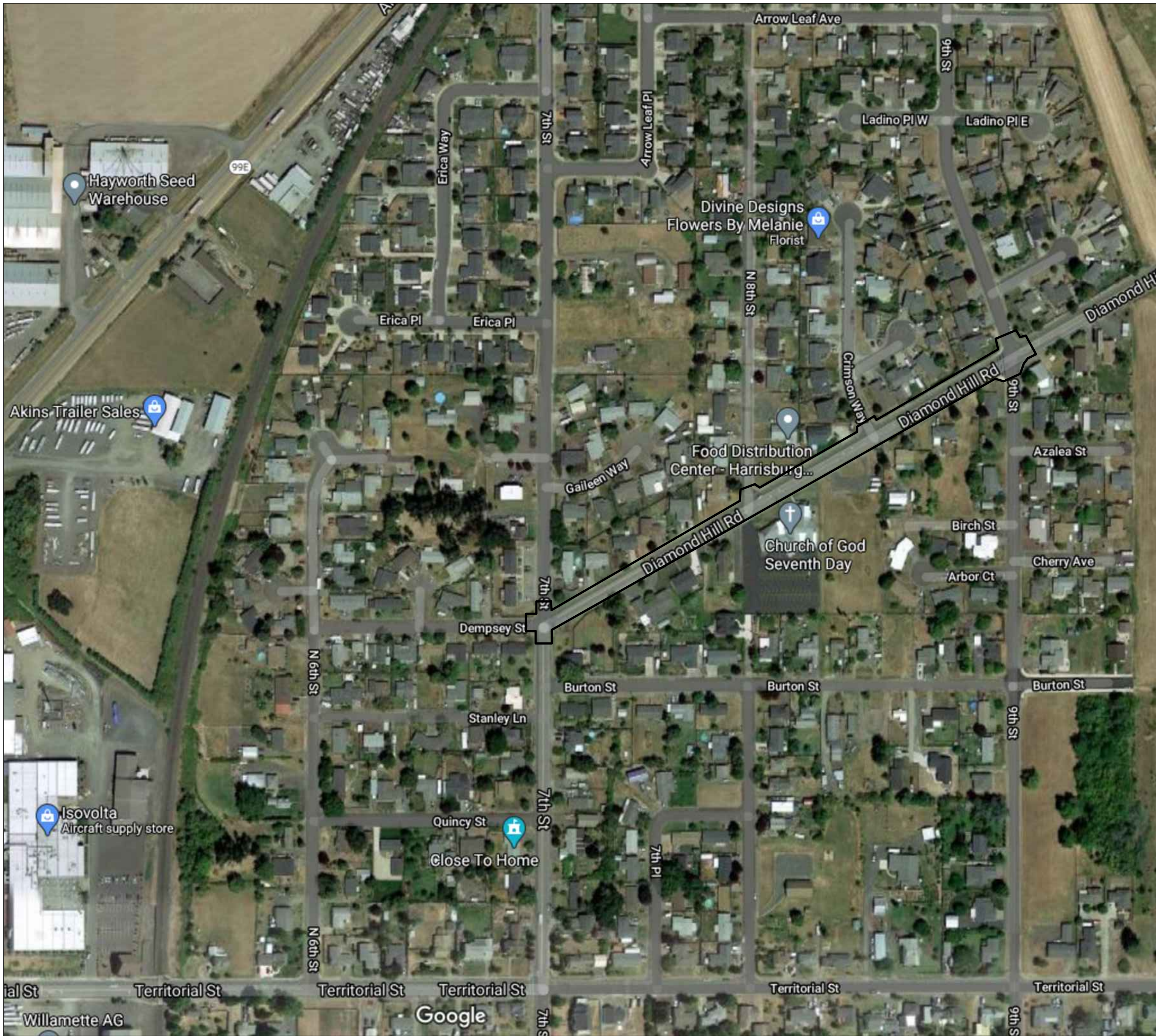
---	PROPERTY LINE	WW	WASTEWATER MANHOLE
---	ADJOINER PROPERTY LINE	SD	STORM DRAIN MANHOLE
==	CURB		CURB INLET
----	EDGE OF ASPHALT		CATCH BASIN
----	OVERHEAD WIRES		MAIL BOX
----	GAS LINE		SIGN
----	STORMWATER LINE		GUY WIRE
----	WASTEWATER LINE		ELECTRIC POLE
----	WATER LINE		TELEPHONE RISER
----	UNDERGROUND TELEPHONE LINE		GAS VALVE
----	CONTOUR LINE		CLEAN OUT
----	FENCE		CONCRETE
----	EDGE OF GRAVEL LINE		BUILDING
	FIRE HYDRANT		DECIDUOUS TREE
	WATER METER		EVERGREEN TREE
	WATER VALVE		
	WATER IRRIGATION VALVE		
	HOSE BIB		

PROPOSED

---	PROPERTY LINE
---	ADJOINER PROPERTY LINE
==	CURB
----	STORMWATER LINE
----	WASTEWATER LINE
----	WATER LINE
----	CONTOUR LINE
----	FENCE
	CONCRETE
	ASPHALT
	FIRE HYDRANT
	WATER METER
	STORM DRAIN MANHOLE
	CATCH BASIN
	MAIL BOX
	SIGN
	GUY WIRE
	ELECTRIC POLE

ABBREVIATIONS

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



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C3	EXISTING CONDITIONS & DEMOLITION PLAN
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UTILITY PROVIDERS		
UTILITY	PROVIDER	PHONE NUMBER
WATER	CITY OF HARRISBURG	541-995-6655
SEWER	CITY OF HARRISBURG	541-995-6655
STORM	CITY OF HARRISBURG	541-995-6655
ELECTRIC	PACIFIC POWER	503-255-4634
GAS	NW NATURAL	503-220-2415
TELEPHONE	CENTURY LINK	800-283-4237
TELEVISION	COMCAST	541-230-0079

GENERAL CONSTRUCTION NOTES

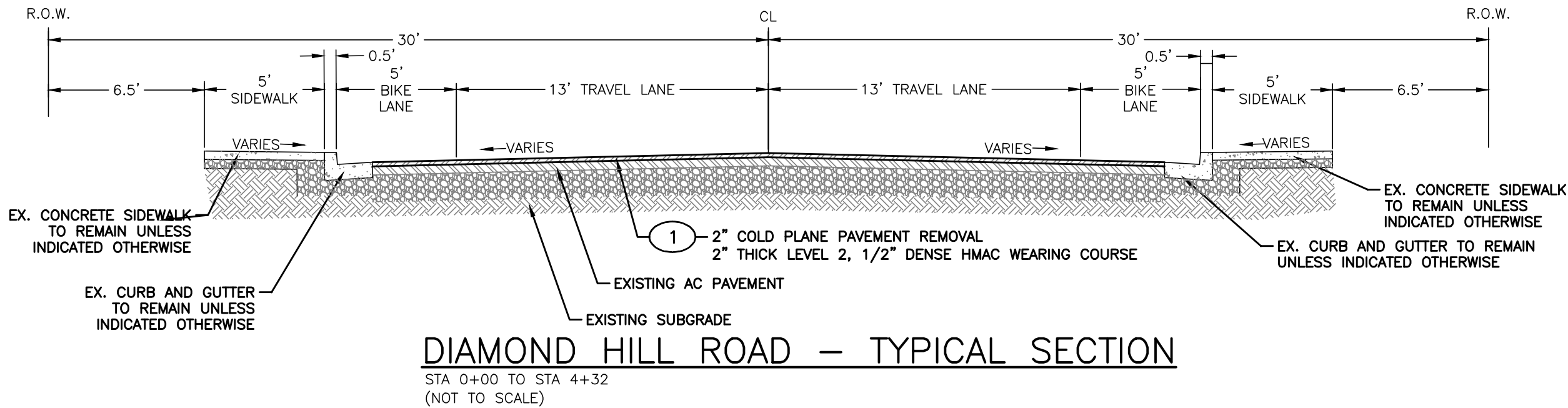
1. CONTRACTOR SHALL PROCURE, AND CONFORM TO ALL CONSTRUCTION PERMITS REQUIRED BY THE CITY OF HARRISBURG, LINN COUNTY AND ODOT.
2. ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. 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 PROCURE AND CONFORM TO DEQ STORMWATER PERMIT NO. 1200C FOR CONSTRUCTION ACTIVITIES WHERE 1 ACRE OR MORE ARE DISTURBED.
12. 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
13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.

21. 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.
22. 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.
23. 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.
24. 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.
25. ALL TAPPING OF EXISTING MUNICIPAL SANITARY SEWER, STORM DRAIN MAINS, AND MANHOLES MUST BE DONE BY CONTRACTOR FORCES.
26. 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.
27. ALL PIPES SHALL BE BEDDED WITH MINIMUM 6-INCHES OF 3/4"-0 CRUSHED QUARRY ROCK BEDDING AND BACKFILLED WITH COMPACTED 3/4"-0 CRUSHED QUARRY ROCK IN THE PIPE ZONE (CRUSHED QUARRY ROCK SHALL EXTEND A MINIMUM OF 12-INCHES OVER THE TOP OF THE PIPE IN ALL CASES). CRUSHED QUARRY 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).
28. GRANULAR TRENCH BEDDING AND BACKFILL SHALL BE CRUSHED QUARRY ROCK CONFORMING TO THE REQUIREMENTS OF OSSC (ODOT/APWA) 02630.10 (DENSE GRADED BASE AGGREGATE), 3/4"-0. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, COMPACT GRANULAR BACKFILL TO 95% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR).
29. 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.
30. 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.
31. 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.
32. 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.
33. CITY FORCES TO OPERATE ALL VALVES, INCLUDING FIRE HYDRANTS, ON EXISTING PUBLIC MAINS.
34. 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.
35. 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.
36. 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.
37. 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.
38. 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.
39. 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.
40. 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.
41. 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 (IF APPLICABLE)		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.				

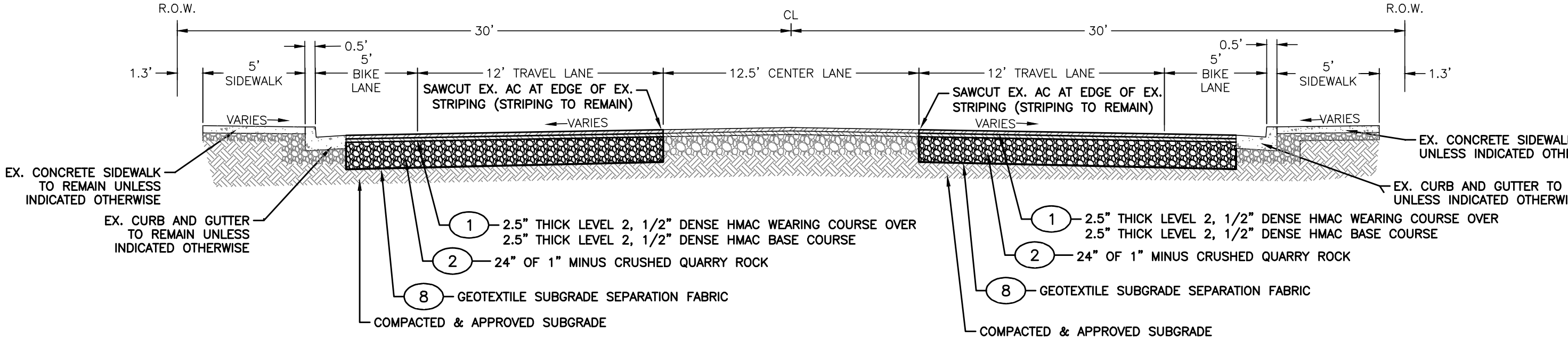
CONSTRUCTION NOTES

- 1 —PAVEMENT BASE COURSE SHALL BE ONE 2.5" LIFT OF LEVEL 2, 1/2" DENSE GRADED HMAC. WEARING COURSE SHALL BE ONE 2.5" LIFT OF LEVEL 2, 1/2" DENSE GRADED HMAC. FOLLOW 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 2 —BASE ROCK SHALL BE 24" MIN. 1"-0" CRUSHED QUARRY ROCK AGGREGATE. AGGREGATE SHALL BE COMPACTED TO 95% RELATIVE MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180. FOLLOW 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 3 —PORTLAND CEMENT CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI WITHIN 28 DAYS. FOLLOW 2018 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 4 —CONCRETE SIDEWALK TO BE 4" THICK PER OREGON STANDARD DRAWING RD720 OVER 4" OF 1"-0" CRUSHED QUARRY ROCK.
- 5 —CONCRETE CURB & GUTTER PER OREGON STANDARD DRAWING RD700. 6" CURB EXPOSURE AND 4% GUTTER PAN SLOPE.
- 6 —CONCRETE CURB & GUTTER PER OREGON STANDARD DRAWING RD700. 4" CURB EXPOSURE AND 4% GUTTER PAN SLOPE.
- 7 —RESTORE SURFACING TO ORIGINAL OR BETTER CONDITION. COORDINATE WITH CITY OR OWNER FOR LANDSCAPE RESTORATION.
- 8 —GEOTEXTILE SUBGRADE SEPARATION FABRIC TO BE PROPEX GEO-SOLUTIONS GEOTEX 200ST.
- 9 —BACKFILL WITH APPROVED ON-SITE SOIL. PLACE TOPSOIL (2" THICK) AND GRASS SEED MIX PER OREGON STANDARD SPECIFICATIONS SECTION 01040.14 AND 01030.13 LAWN SEED MIX TO BE APPROVED BY CITY.



DIAMOND HILL ROAD — TYPICAL SECTION

STA 0+00 TO STA 4+32
(NOT TO SCALE)



DIAMOND HILL ROAD — TYPICAL SECTION

STA 4+32 TO STA 14+02
(NOT TO SCALE)

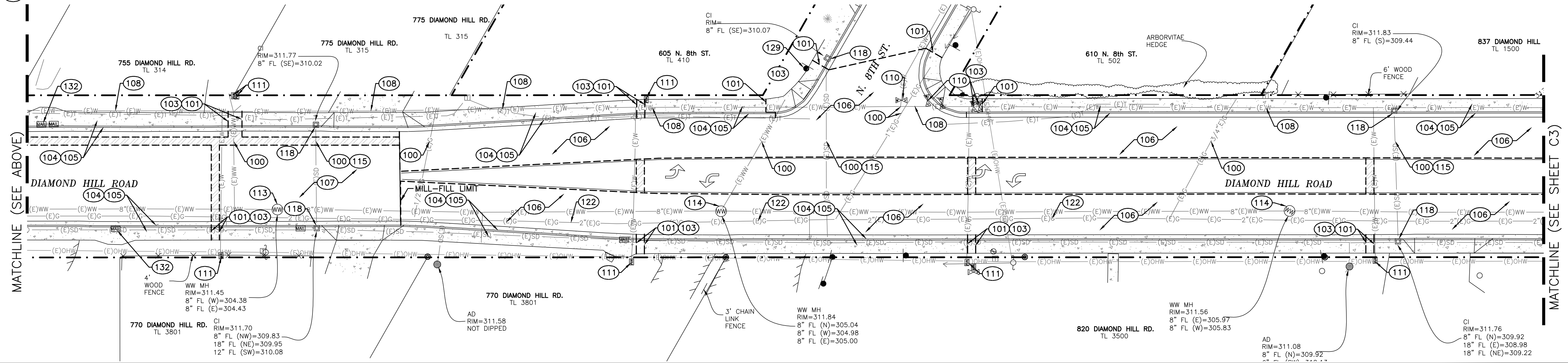
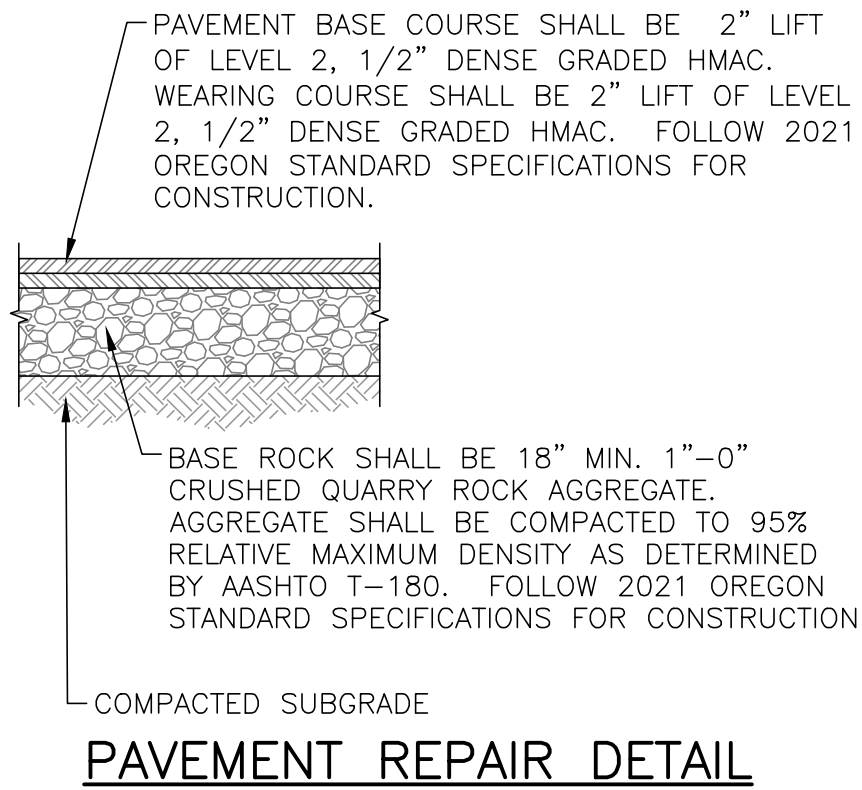
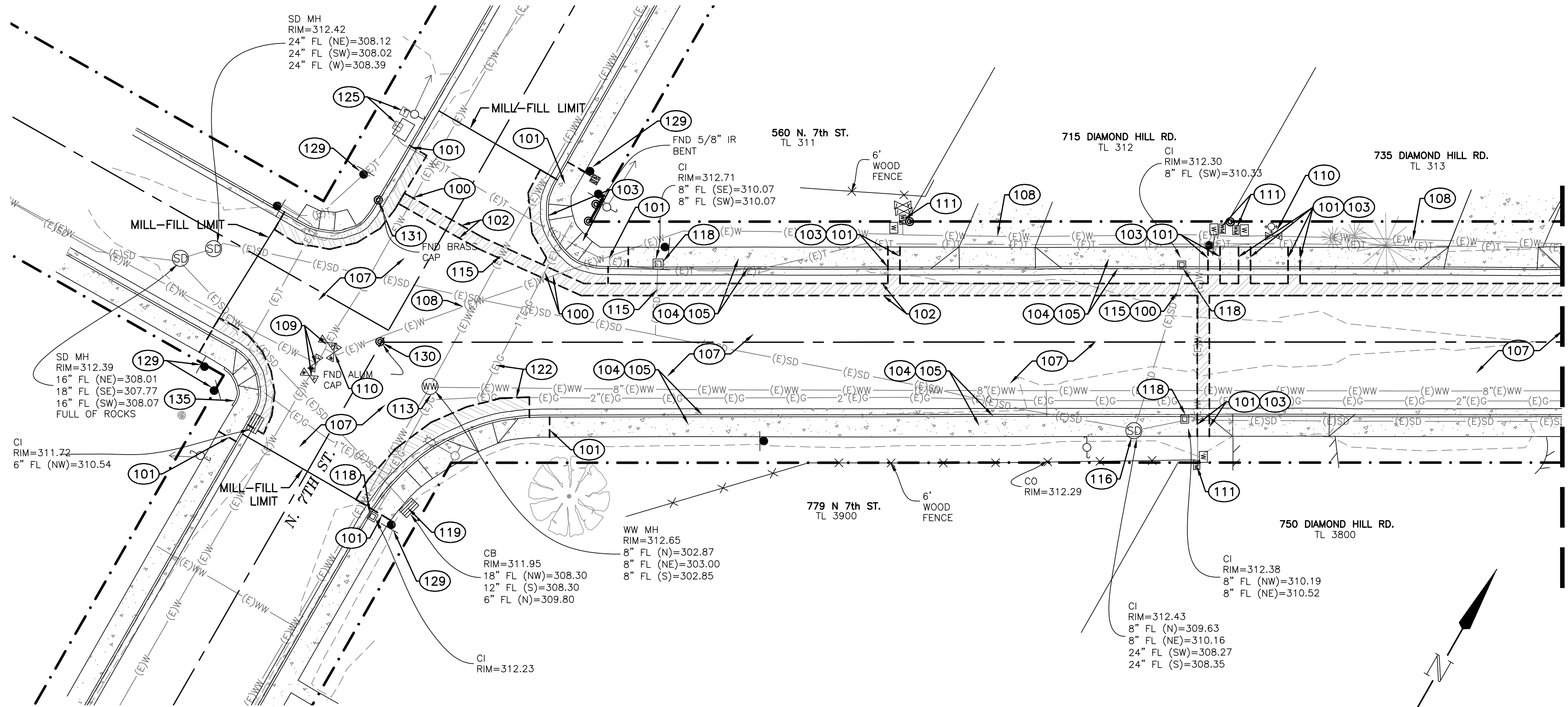


DIAMOND HILL ROAD
WATERLINE & STREET IMPROVEMENTS
FROM 7TH STREET TO 9TH STREET
HARRISBURG, OREGON

GENERAL NOTES
& TYPICAL
SECTIONS

CONSTRUCTION NOTES

- 100—POTHOLE EXISTING UTILITY LINE AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 101—SAWCUT EXISTING CONCRETE. PROTECT SAWCUT EDGE FROM DAMAGE.
- 102—SAWCUT EXISTING AC PAVEMENT. INITIAL SAWCUT AT EDGE OF REMOVAL. FINAL SAWCUT 6 INCHES FROM EDGE OF ANY DAMAGED AC PAVEMENT PER ODOT STD. DWG. RD302.
- 103—REMOVE EXISTING CONCRETE SIDEWALK AND/OR CONCRETE CURB & GUTTER.
- 104—PROTECT EXISTING CONCRETE SIDEWALK.
- 105—PROTECT EXISTING CURB AND GUTTER.
- 106—REMOVE EXISTING ASPHALT PAVEMENT. REMOVE EXISTING BASE ROCK AND SUBGRADE AS REQUIRED FOR NEW PAVEMENT SECTION PER SHEET C1.
- 107—2" COLD PLANE PAVEMENT REMOVAL PER TYPICAL SECTION, SHEET C1.
- 108—EXISTING PUBLIC WATER MAIN TO REMAIN IN SERVICE UNTIL NEW PUBLIC WATER MAIN IS CONSTRUCTED AND APPROVED FOR USE.
- 109—PROTECT AND ADJUST EXISTING WATER VALVE AND BOX AS NEEDED.
- 110—REMOVE VALVE AND BOX (OR FILL WITH CONCRETE AS APPROVED BY ENGINEER) ONCE NEW WATERLINE IS INSTALLED. ONCE NEW WATERLINE IS APPROVED, ABANDON EXISTING WATERLINE.
- 111—PROTECT EXISTING WATER METER AND BOX UNTIL NEW WATER SERVICE, WATER METER AND BOX IS OPERATIONAL THEN REMOVE METER AND BOX AND RESTORE AREA TO MATCH SURROUNDING AREA WITH LIKE MATERIALS.
- 112—PROTECT EXISTING WATER METER AND BOX.
- 113—PROTECT EXISTING WASTEWATER MANHOLE.
- 114—PROTECT EXISTING WASTEWATER MANHOLE. ADJUST RIM AS REQUIRED FOR FINISH GRADE PER STREET IMPROVEMENT PLANS.
- 115—PROTECT EXISTING STORM LINE.
- 116—PROTECT EXISTING STORM MANHOLE.
- 117—PROTECT EXISTING STORM MANHOLE. ADJUST RIM AS REQUIRED FOR FINISH GRADE PER STREET IMPROVEMENT PLANS.
- 118—PROTECT EXISTING CATCH BASIN/CURB INLET.
- 119—PROTECT EXISTING AREA DRAIN.
- 120—PROTECT EXISTING GAS VALVE.
- 121—PROTECT EXISTING GAS VALVE. ADJUST BOX AS REQUIRED FOR FINISH GRADE PER STREET IMPROVEMENT PLANS.
- 122—PROTECT EXISTING GAS LINE. CONTACT NORTHWEST NATURAL GAS (541-926-4253) IF CONFLICTS OCCUR.
- 123—PROTECT EXISTING POWER POLE AND/OR POWER POLE AND ANCHOR.
- 124—PROTECT EXISTING UNDERGROUND ELECTRICAL.
- 125—PROTECT EXISTING TELEPHONE RISER.
- 126—EXISTING TELEPHONE RISER TO BE RELOCATED BEHIND PROPOSED SIDEWALK OR INSTALLED IN UNDERGROUND VAULT. COORDINATE WORK WITH CENTURY LINK (LUKE PILON 541-484-7827).
- 127—PROTECT EXISTING UNDER GROUND TELEPHONE/FIBER OPTICS.
- 128—PROTECT EXISTING UTILITIES.
- 129—PROTECT EXISTING SIGN AND POLE.
- 130—PROTECT EXISTING SURVEY MONUMENT.
- 131—EXISTING SURVEY MONUMENT TO BE RE-INSTALLED PER LINN COUNTY SURVEYORS OFFICE. A RECORD OF SURVEY SHOWING REPLACED MONUMENT(S) SHALL BE FILED IN THE LINN COUNTY SURVEYOR'S OFFICE. CONTACT DUSTIN STOKER (541-967-3857 EXT 2094) AT THE LINN COUNTY SURVEYOR'S OFFICE FORE MORE INFORMATION.
- 132—PROTECT EXISTING MAILBOXES.
- 133—REMOVE EXISTING MAILBOX(ES). INSTALL MAILBOX(ES), POST AND FOUNDATION TO NEW LOCATION SHOWN ON STREET IMPROVEMENT PLANS.
- 134—PROTECT EXISTING LANDSCAPE WALL.
- 135—REMOVE AND REPLACE EXISTING LANDSCAPE WALL.



project title:

DIAMOND HILL ROAD
WATERLINE & STREET IMPROVEMENTS
FROM 7TH STREET TO 9TH STREET
HARRISBURG, OREGON

revisions:

date: JUNE 14, 2021
drawn by: GAM
designer: GAM
project no: 20-009B

EXISTING
CONDITIONS &
DEMOLITION
PLANS

sheet:

C2



EXPIRES: DECEMBER 31, 2022

project title:

DIAMOND HILL ROAD WATERLINE & STREET IMPROVEMENTS

FROM 7TH STREET TO 9TH STREET
HARRISBURG, OREGON

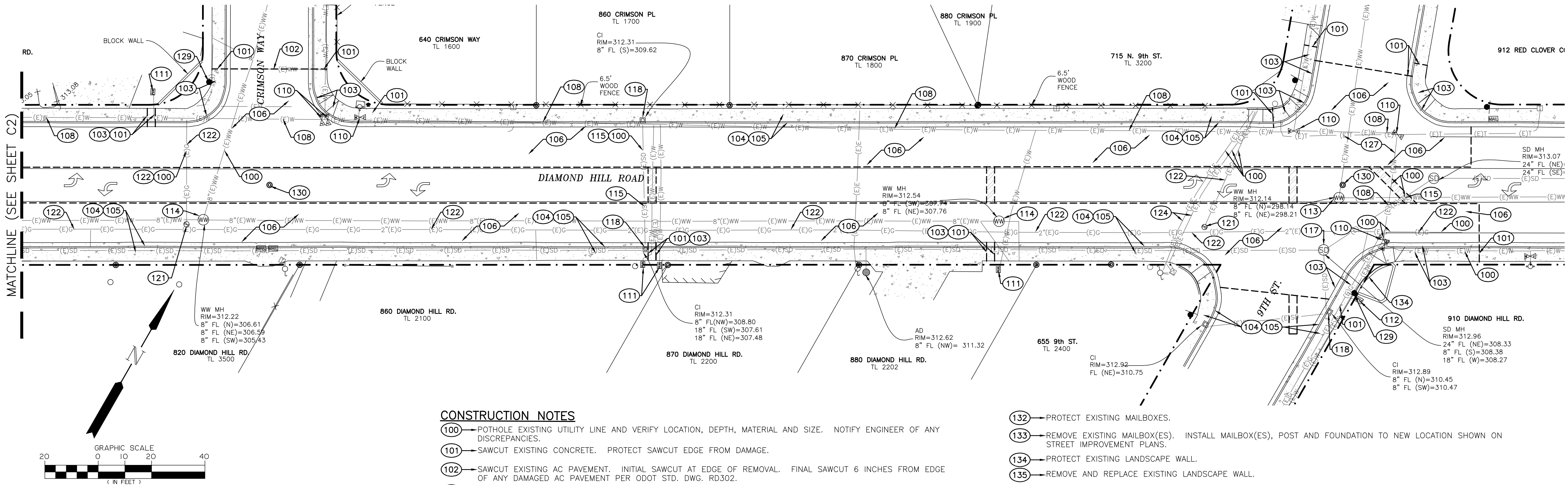
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EXISTING
CONDITIONS &
DEMOLITION
PLANS

sheet:

C3



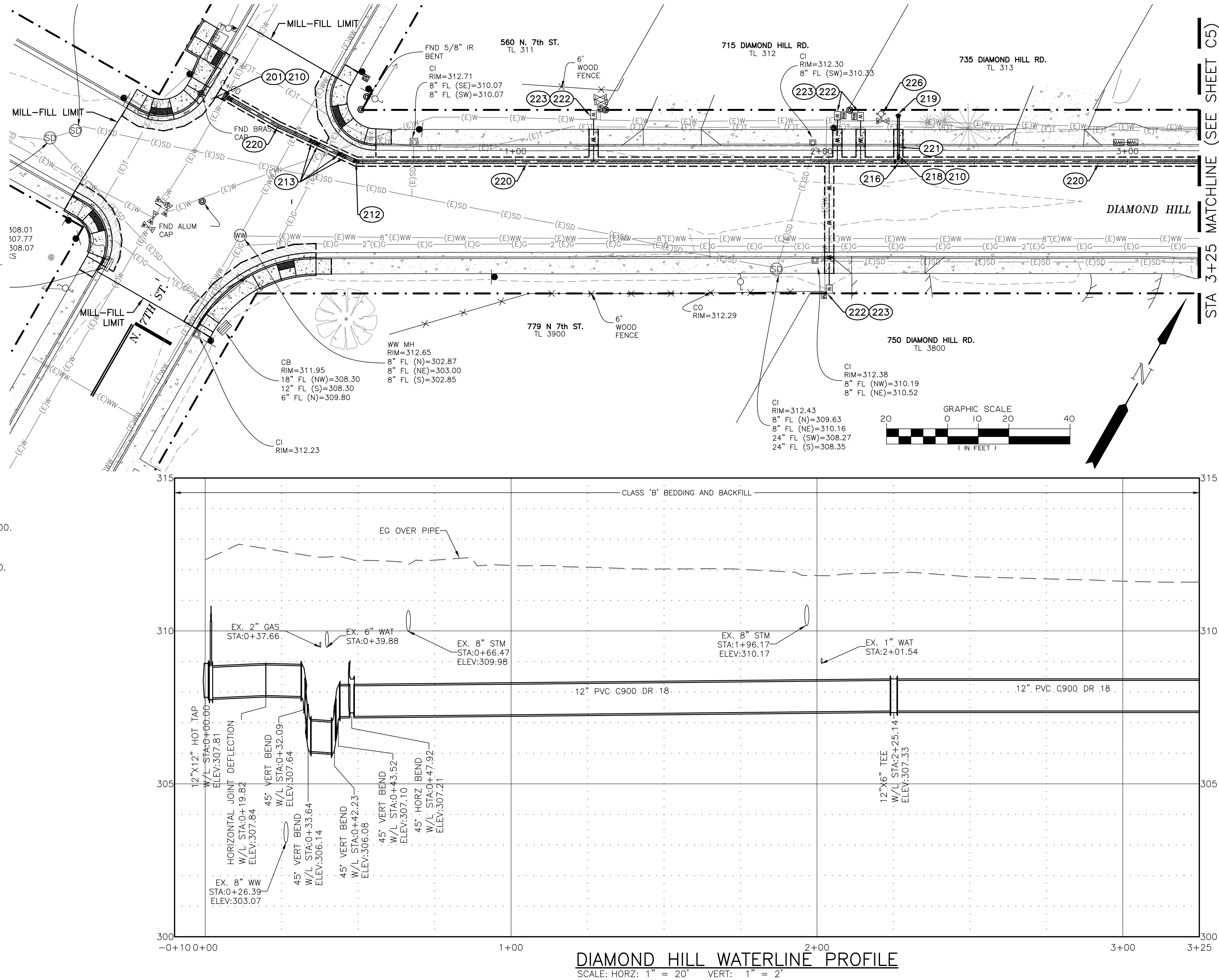
CONSTRUCTION NOTES

- 100 → POT HOLE EXISTING UTILITY LINE AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 101 → SAWCUT EXISTING CONCRETE. PROTECT SAWCUT EDGE FROM DAMAGE.
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- 134 → PROTECT EXISTING LANDSCAPE WALL.
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CONSTRUCTION NOTES

- 200—POTHOLE EXISTING UTILITY AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 201—HOT TAP EXISTING 12" WATERLINE WITH TAPPING SLEEVE (12"x12" MUELLER WITH MECHANICAL JOINT TAPPING SLEEVE OR APPROVED EQUAL) AND 12" TAPPING VALVE (MUELLER RESILIENT WEDGE TAPPING VALVE OR APPROVED EQUAL). PROVIDE MECHANICAL JOINT THRUST RESTRAINT.
- 202—CONNECT TO EXISTING 12" WATERLINE WITH APPROPRIATE FITTINGS AND COUPLINGS ONCE NEW WATERLINE HAS BEEN APPROVED FOR USE AND EXISTING WATERLINE HAS BEEN ABANDONED. PROVIDE MECHANICAL JOINT RESTRAINT TO ALL PIPE JOINTS A MINIMUM OF 20 FEET FROM EXISTING GATE VALVE. TEMPORARY BLOW OFF WILL BE INCIDENTAL TO THIS WORK.
- 203—CONNECT TO EXISTING 6" WATERLINE WITH APPROPRIATE FITTINGS AND COUPLINGS ONCE NEW WATERLINE HAS BEEN APPROVED FOR USE AND EXISTING WATERLINE HAS BEEN ABANDONED. PROVIDE MECHANICAL JOINT RESTRAINT TO ALL PIPE JOINTS A MINIMUM OF 20 FEET FROM CONNECTION TO EXISTING WATERLINE. TEMPORARY BLOW OFF WILL BE INCIDENTAL TO THIS WORK.
- 204—CONNECT TO EXISTING 6" GATE VALVE. PROVIDE MECHANICAL JOINT RESTRAINT TO ALL PIPE JOINTS A MINIMUM OF 20 FEET FROM EXISTING GATE VALVE. TEMPORARY BLOW OFF WILL BE INCIDENTAL TO THIS WORK.
- 205—FURNISH AND INSTALL TEMPORARY BLOW OFF PER ODOT STD DWG RD262. RESTRAIN ALL JOINTS WITHIN 80 FEET OF BLIND FLANGE.
- 210—FURNISH AND INSTALL WATER VALVE BOX PER ODOT STD DWG RD258.
- 211—FURNISH AND INSTALL 12" — 22.5' HORIZONTAL BEND. RESTRAIN ALL JOINTS WITHIN 20 FEET OF BEND.
- 212—FURNISH AND INSTALL 12" — 45° HORIZONTAL BEND. RESTRAIN ALL JOINTS WITHIN 20 FEET OF BEND.
- 213—FURNISH AND INSTALL 12" — 45° VERTICAL BEND. RESTRAIN ALL JOINTS WITHIN 50 FEET OF UPPER BENDS AND 10 FEET ON LOWER BENDS.
- 214—FURNISH AND INSTALL 6" — 45° VERTICAL BEND. RESTRAIN ALL JOINTS WITHIN 30 FEET OF UPPER BENDS AND 10 FEET ON LOWER BENDS.
- 215—FURNISH AND INSTALL 12"x12" CROSS. RESTRAIN ALL PIPE JOINTS WITHIN 20 FEET OF CROSS.
- 216—FURNISH AND INSTALL 12"x6" TEE. RESTRAIN ALL PIPE JOINTS WITHIN 20 FEET OF TEE.
- 217—FURNISH AND INSTALL 12" GATE VALVE (MUELLER RESILIENT WEDGE OR APPROVED EQUAL). PROVIDE MECHANICAL JOINT THRUST RESTRAINT.
- 218—FURNISH AND INSTALL 6" GATE VALVE (MUELLER RESILIENT WEDGE OR APPROVED EQUAL). PROVIDE MECHANICAL JOINT THRUST RESTRAINT.
- 219—FURNISH AND INSTALL FIRE HYDRANT ASSEMBLY (MUELLER 5 1/4" A423 SUPER CENTURION "250" WITH TWO HOSE NOZZLES AND ONE PUMPER NOZZLE WITH 4" INTEGRAL STORZ CONNECTION). HYDRANT TO BE PAINTED YELLOW WITH APPROVED PAINT. INSTALL 36"x36"x6" CONCRETE PAD. SEE ODOT STD DWG RD254.
- 220—FURNISH AND INSTALL 12" PVC C-900 DR18 WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300. BEDDING AND BACKFILL TO BE CRUSHED QUARRY ROCK. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 36" OF COVER.
- 221—FURNISH AND INSTALL 6" PVC C-900 DR18 WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300. BEDDING AND BACKFILL TO BE CRUSHED QUARRY ROCK. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 36" OF COVER.
- 222—FURNISH AND INSTALL NEW WATER SERVICE LINE, 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 (3/4" iPEARL BY SENSUS), BALL ANGLE METER VALVE (1"x3/4" MUELLER 300 BALL ANGLE METER, B-24259N), SERVICE PIPE (1" POLYETHELYN SDR 7) AND CORPORATION STOP (1" MUELLER) SERVICE SADDLES. BEDDING AND BACKFILL TO BE 1"-0" CRUSHED QUARRY ROCK.
- 223—CONTRACTOR TO CONNECT NEW WATER SERVICE TO EXISTING SERVICE USING APPROPRIATE COUPLINGS AND FITTINGS. CONTRACTOR TO DETERMINE SIZE OF EXISTING SERVICE LINE AND INSTALL NEW SERVICE LINE TO MATCH. RESTORE ANY DISTURBED AREA TO SAME OR BETTER CONDITION.
- 224—ABANDON EXISTING WATERLINE IN PLACE ONCE NEW WATER LINE IS INSTALLED AND APPROVED FOR USE.
- 225—REMOVE WATER VALVE BOXES ONCE NEW WATERLINE IS INSTALLED. ONCE NEW WATERLINE IS APPROVED, ABANDON EXISTING WATERLINE.
- 226—REMOVE EXISTING FIRE HYDRANT AND CONCRETE PAD ONCE NEW WATERLINE IS INSTALLED. RESTORE ANY DISTURBED AREA TO SAME OR BETTER CONDITION.
- 227—WATER AND SANITARY SEWER CROSSING TO BE IN ACCORDANCE WITH OAR 333-061-0050 (9).
- 228—FURNISH AND INSTALL 12"x6" REDUCER. RESTRAIN ALL PIPE JOINTS WITHIN 60 FEET OF REDUCER.



project title:

DIAMOND HILL ROAD
WATERLINE & STREET IMPROVEMENTS

FROM 7TH STREET TO 9TH STREET
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revisions:

date: JUNE 14, 2021
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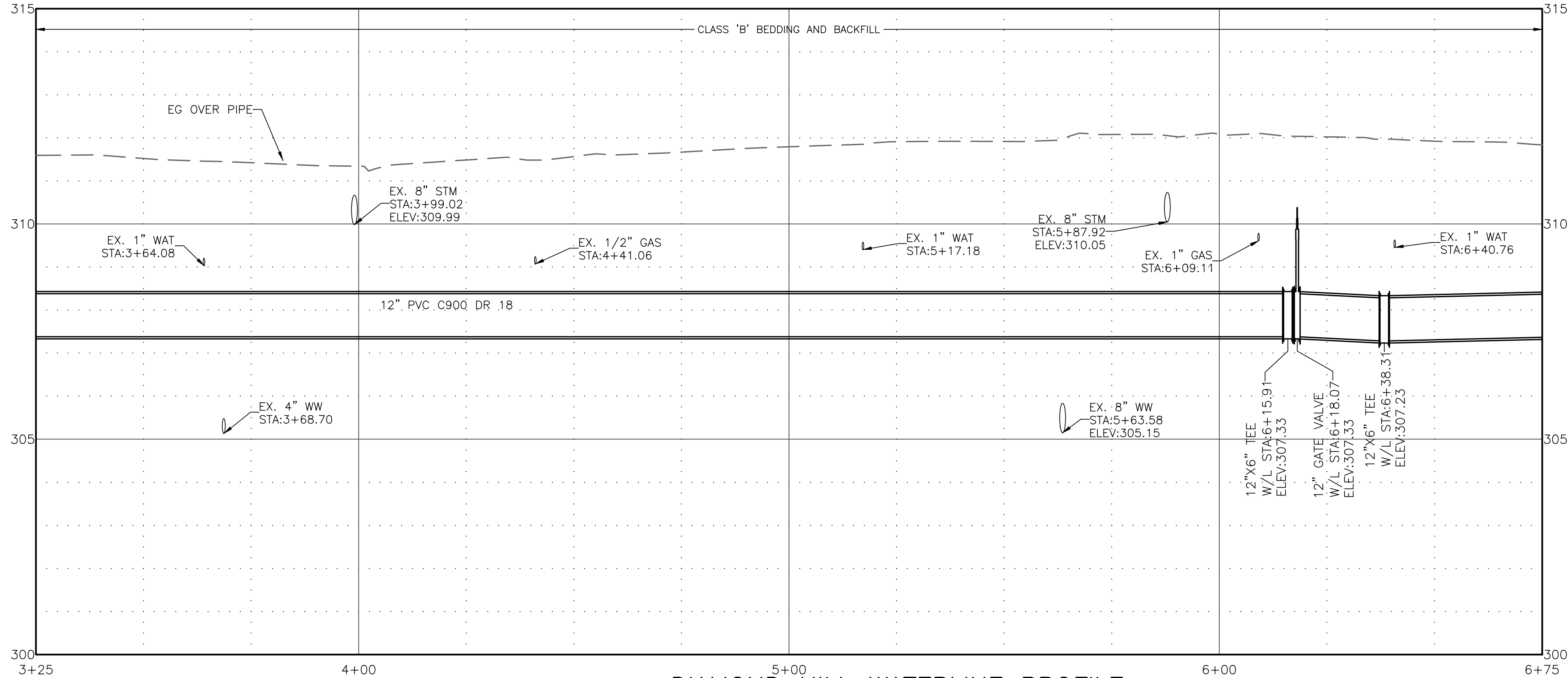
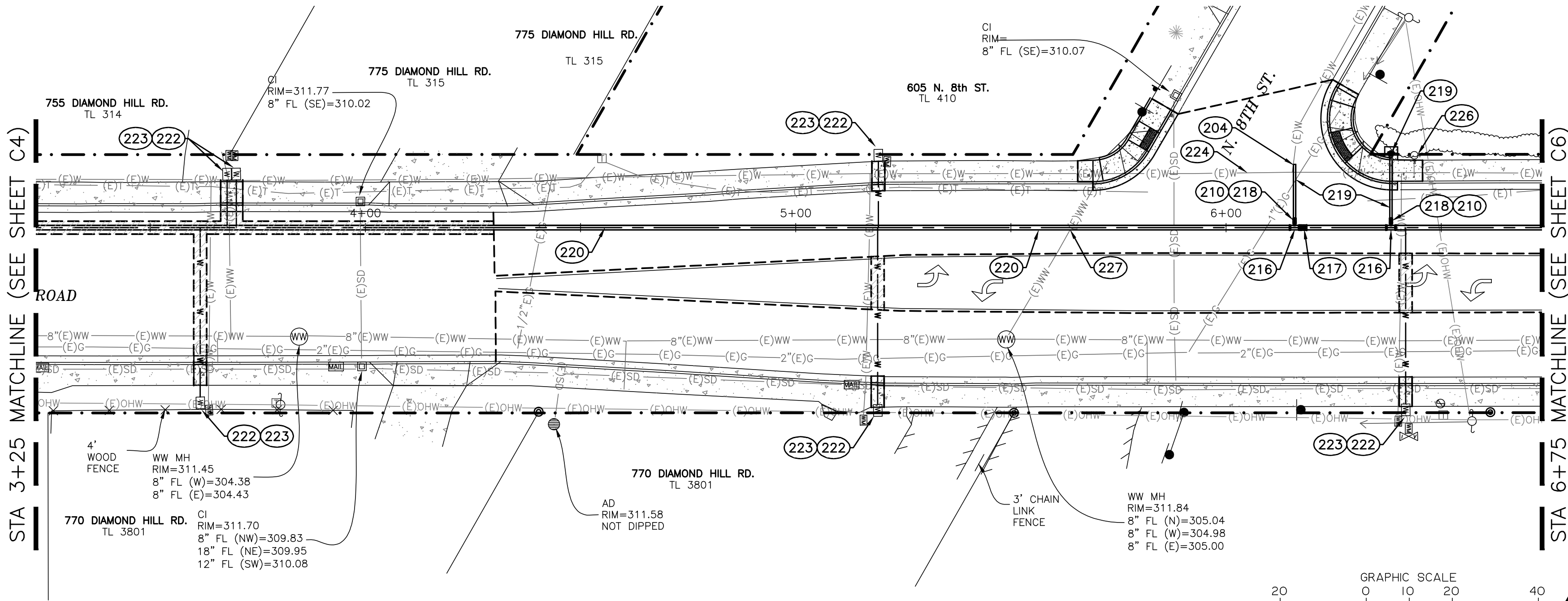
PROPOSED
WATERLINE
STA 0+00 TO
STA 3+25

sheet:

C4

CONSTRUCTION NOTES

- 200 POTHOLE EXISTING UTILITY AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 201 HOT TAP EXISTING 12" WATERLINE WITH TAPPING SLEEVE (12"x12" MUELLER WITH MECHANICAL JOINT TAPPING SLEEVE OR APPROVED EQUAL) AND 12" TAPPING VALVE (MUELLER RESILIENT WEDGE TAPPING VALVE OR APPROVED EQUAL). PROVIDE MECHANICAL JOINT THRUST RESTRAINT.
- 202 CONNECT TO EXISTING 12" WATERLINE WITH APPROPRIATE FITTINGS AND COUPLINGS ONCE NEW WATERLINE HAS BEEN APPROVED FOR USE AND EXISTING WATERLINE HAS BEEN ABANDONED. PROVIDE MECHANICAL JOINT RESTRAINT TO ALL PIPE JOINTS A MINIMUM OF 20 FEET FROM EXISTING GATE VALVE. TEMPORARY BLOW OFF WILL BE INCIDENTAL TO THIS WORK.
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- 204 CONNECT TO EXISTING 6" GATE VALVE. PROVIDE MECHANICAL JOINT RESTRAINT TO ALL PIPE JOINTS A MINIMUM OF 20 FEET FROM EXISTING GATE VALVE. TEMPORARY BLOW OFF WILL BE INCIDENTAL TO THIS WORK.
- 205 FURNISH AND INSTALL TEMPORARY BLOW OFF PER ODOT STD DWG RD262. RESTRAIN ALL JOINTS WITHIN 80 FEET OF BLIND FLANGE.
- 210 FURNISH AND INSTALL WATER VALVE BOX PER ODOT STD DWG RD258.
- 211 FURNISH AND INSTALL 12" - 22.5' HORIZONTAL BEND. RESTRAIN ALL JOINTS WITHIN 20 FEET OF BEND.
- 212 FURNISH AND INSTALL 12" - 45' HORIZONTAL BEND. RESTRAIN ALL JOINTS WITHIN 20 FEET OF BEND.
- 213 FURNISH AND INSTALL 12" - 45' VERTICAL BEND. RESTRAIN ALL JOINTS WITHIN 50 FEET OF UPPER BENDS AND 10 FEET ON LOWER BENDS.
- 214 FURNISH AND INSTALL 6" - 45' VERTICAL BEND. RESTRAIN ALL JOINTS WITHIN 30 FEET OF UPPER BENDS AND 10 FEET ON LOWER BENDS.
- 215 FURNISH AND INSTALL 12"x12" CROSS. RESTRAIN ALL PIPE JOINTS WITHIN 20 FEET OF CROSS.
- 216 FURNISH AND INSTALL 12"x6" TEE. RESTRAIN ALL PIPE JOINTS WITHIN 20 FEET OF TEE.
- 217 FURNISH AND INSTALL 12" GATE VALVE (MUELLER RESILIENT WEDGE OR APPROVED EQUAL). PROVIDE MECHANICAL JOINT THRUST RESTRAINT.
- 218 FURNISH AND INSTALL 6" GATE VALVE (MUELLER RESILIENT WEDGE OR APPROVED EQUAL). PROVIDE MECHANICAL JOINT THRUST RESTRAINT.
- 219 FURNISH AND INSTALL FIRE HYDRANT ASSEMBLY (MUELLER 5 1/4" A423 SUPER CENTURION "250" WITH TWO HOSE NOZZLES AND ONE PUMPER NOZZLE WITH 4" INTEGRAL STORZ CONNECTION). HYDRANT TO BE PAINTED YELLOW WITH APPROVED PAINT. INSTALL 36"x36"x6" CONCRETE PAD. SEE ODOT STD DWG RD254.
- 220 FURNISH AND INSTALL 12" PVC C-900 DR18 WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300. BEDDING AND BACKFILL TO BE CRUSHED QUARRY ROCK. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 36" OF COVER.
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- 223 CONTRACTOR TO CONNECT NEW WATER SERVICE TO EXISTING SERVICE USING APPROPRIATE COUPLINGS AND FITTINGS. CONTRACTOR TO DETERMINE SIZE OF EXISTING SERVICE LINE AND INSTALL NEW SERVICE LINE TO MATCH. RESTORE ANY DISTURBED AREA TO SAME OR BETTER CONDITION.
- 224 ABANDON EXISTING WATERLINE IN PLACE ONCE NEW WATER LINE IS INSTALLED AND APPROVED FOR USE.
- 225 REMOVE WATER VALVE BOXES ONCE NEW WATERLINE IS INSTALLED. ONCE NEW WATERLINE IS APPROVED, ABANDON EXISTING WATERLINE.
- 226 REMOVE EXISTING FIRE HYDRANT AND CONCRETE PAD ONCE NEW WATERLINE IS INSTALLED. RESTORE ANY DISTURBED AREA TO SAME OR BETTER CONDITION.
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- 228 FURNISH AND INSTALL 12"x6" REDUCER. RESTRAIN ALL PIPE JOINTS WITHIN 60 FEET OF REDUCER.



DIAMOND HILL WATERLINE PROFILE
SCALE: HORZ: 1" = 20' VERT: 1" = 2'

DIAMOND HILL ROAD
WATERLINE & STREET IMPROVEMENTS
FROM 7TH STREET TO 9TH STREET
HARRISBURG, OREGON

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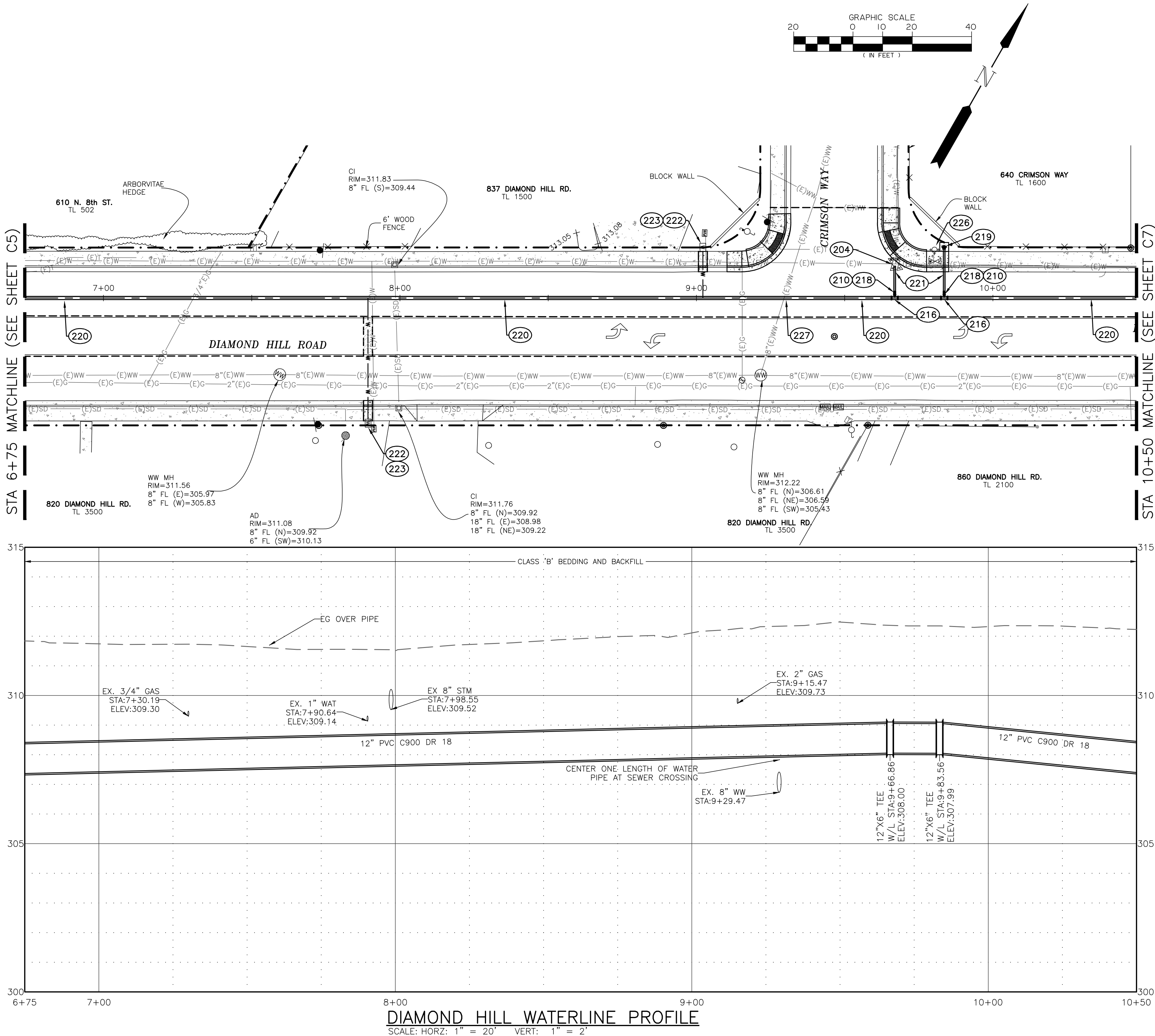
PROPOSED
WATERLINE
STA 3+25 TO
STA 6+75

sheet:

C5

CONSTRUCTION NOTES

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- 203 CONNECT TO EXISTING 6" WATERLINE WITH APPROPRIATE FITTINGS AND COUPLINGS ONCE NEW WATERLINE HAS BEEN APPROVED FOR USE AND EXISTING WATERLINE HAS BEEN ABANDONED. PROVIDE MECHANICAL JOINT RESTRAINT TO ALL PIPE JOINTS A MINIMUM OF 20 FEET FROM CONNECTION TO EXISTING WATERLINE. TEMPORARY BLOW OFF WILL BE INCIDENTAL TO THIS WORK.
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- 220 FURNISH AND INSTALL 12" PVC C-900 DR18 WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD30 BEDDING AND BACKFILL TO BE CRUSHED QUARRY ROCK. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 36" OF COVER.
- 221 FURNISH AND INSTALL 6" PVC C-900 DR18 WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300 BEDDING AND BACKFILL TO BE CRUSHED QUARRY ROCK. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 36" OF COVER.
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- 223 CONTRACTOR TO CONNECT NEW WATER SERVICE TO EXISTING SERVICE USING APPROPRIATE COUPLINGS AND FITTINGS. CONTRACTOR TO DETERMINE SIZE OF EXISTING SERVICE LINE AND INSTALL NEW SERVICE LINE TO MATCH. RESTORE ANY DISTURBED AREA TO SAME OR BETTER CONDITION.
- 224 ABANDON EXISTING WATERLINE IN PLACE ONCE NEW WATER LINE IS INSTALLED AND APPROVED FOR USE.
- 225 REMOVE WATER VALVE BOXES ONCE NEW WATERLINE IS INSTALLED. ONCE NEW WATERLINE IS APPROVED, ABANDON EXISTING WATERLINE.
- 226 REMOVE EXISTING FIRE HYDRANT AND CONCRETE PAD ONCE NEW WATERLINE IS INSTALLED. RESTORE ANY DISTURBED AREA TO SAME OR BETTER CONDITION.
- 227 WATER AND SANITARY SEWER CROSSING TO BE IN ACCORDANCE WITH OAR 333-061-0050 (9).
- 228 FURNISH AND INSTALL 12"x6" REDUCER. RESTRAIN ALL PIPE JOINTS WITHIN 60 FEET OF REDUCER.



DIAMOND HILL WATERLINE PROFILE

SCALE: HORZ: 1" = 20' VERT: 1" = 2'

project title:

DIAMOND HILL ROAD
WATERLINE & STREET IMPROVEMENTS

FROM 7TH STREET TO 9TH STREET
HARRISBURG, OREGON

revisions:

date: JUNE 14, 2021
drawn by: GAM
designer: GAM
project no: 20-009B

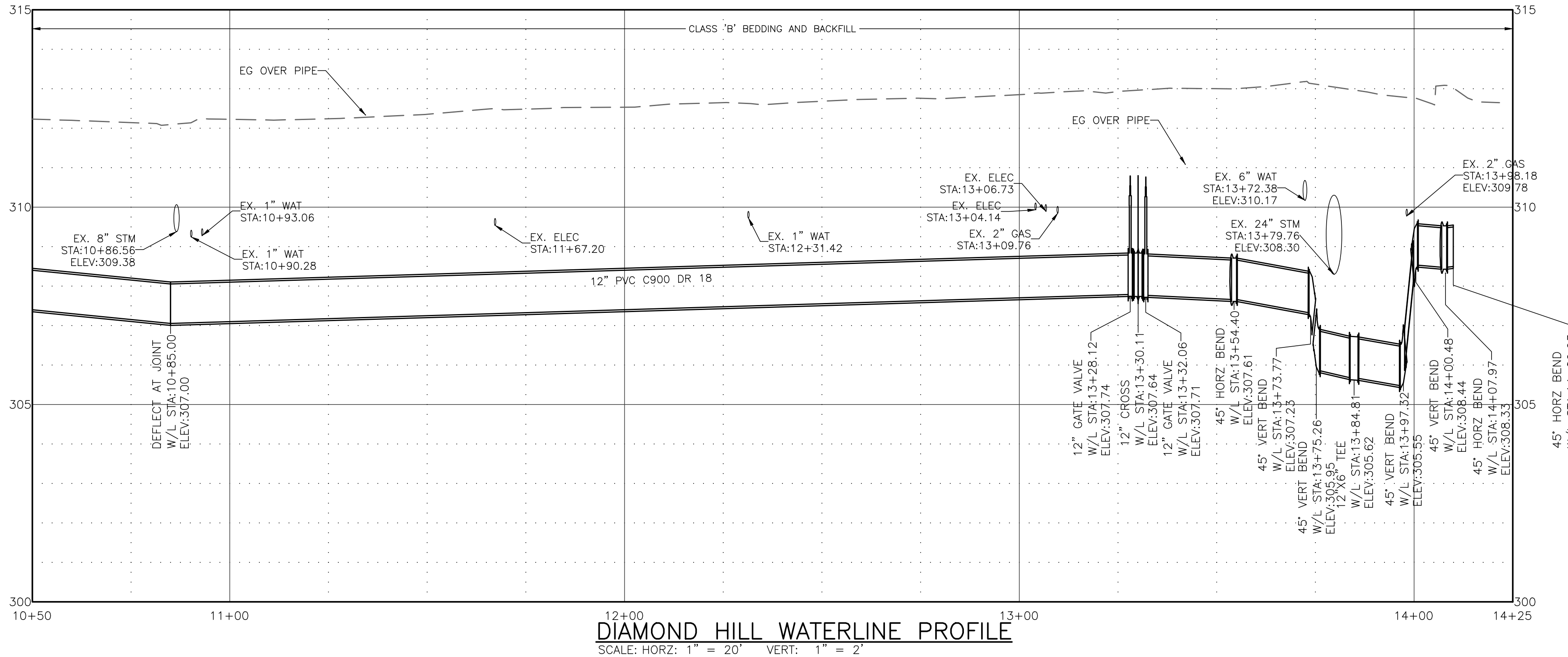
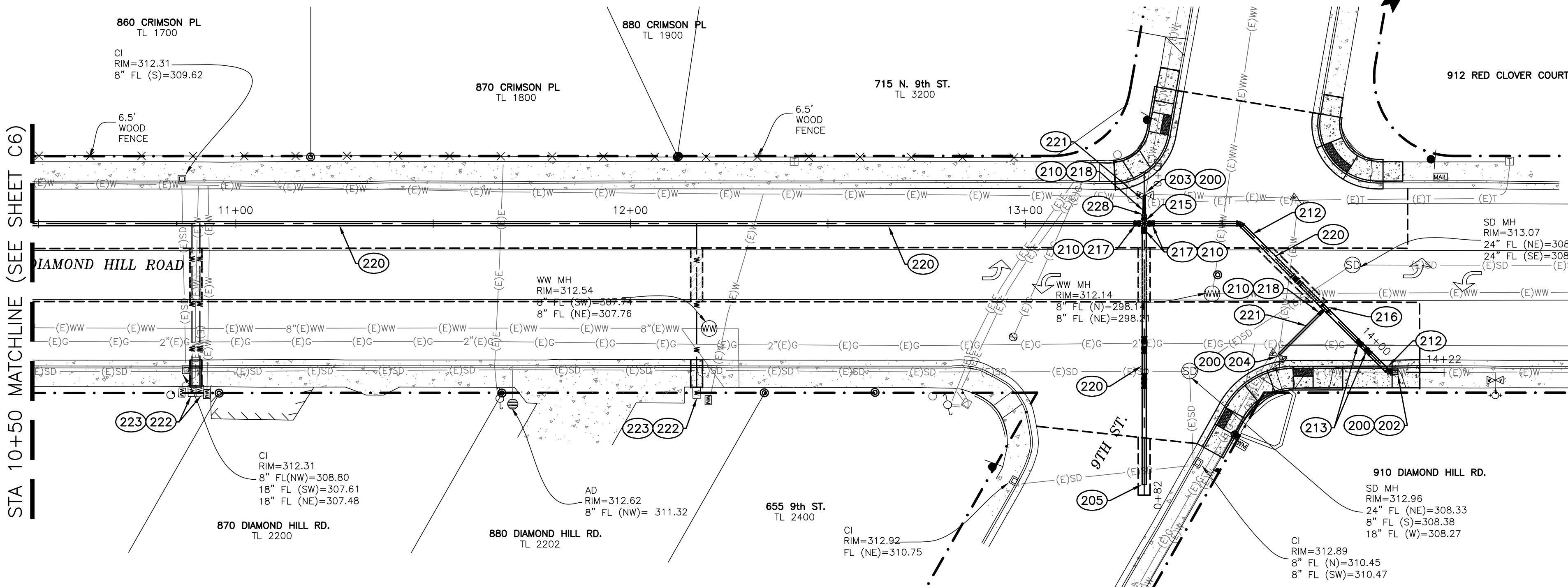
PROPOSED
WATERLINE
STA 6+75 TO
STA 10+50

sheet:

C6

CONSTRUCTION NOTES

- 200 → POT HOLE EXISTING UTILITY AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 201 → HOT TAP EXISTING 12" WATERLINE WITH TAPPING SLEEVE (12"x12" MUELLER WITH MECHANICAL JOINT TAPPING SLEEVE OR APPROVED EQUAL) AND 12" TAPPING VALVE (MUELLER RESILIENT WEDGE TAPPING VALVE OR APPROVED EQUAL). PROVIDE MECHANICAL JOINT THRUST RESTRAINT.
- 202 → CONNECT TO EXISTING 12" WATERLINE WITH APPROPRIATE FITTINGS AND COUPLINGS ONCE NEW WATERLINE HAS BEEN APPROVED FOR USE AND EXISTING WATERLINE HAS BEEN ABANDONED. PROVIDE MECHANICAL JOINT RESTRAINT TO ALL PIPE JOINTS A MINIMUM OF 20 FEET FROM EXISTING GATE VALVE. TEMPORARY BLOW OFF WILL BE INCIDENTAL TO THIS WORK.
- 203 → CONNECT TO EXISTING 6" WATERLINE WITH APPROPRIATE FITTINGS AND COUPLINGS ONCE NEW WATERLINE HAS BEEN APPROVED FOR USE AND EXISTING WATERLINE HAS BEEN ABANDONED. PROVIDE MECHANICAL JOINT RESTRAINT TO ALL PIPE JOINTS A MINIMUM OF 20 FEET FROM CONNECTION TO EXISTING WATERLINE. TEMPORARY BLOW OFF WILL BE INCIDENTAL TO THIS WORK.
- 204 → CONNECT TO EXISTING 6" GATE VALVE. PROVIDE MECHANICAL JOINT RESTRAINT TO ALL PIPE JOINTS A MINIMUM OF 20 FEET FROM EXISTING GATE VALVE. TEMPORARY BLOW OFF WILL BE INCIDENTAL TO THIS WORK.
- 205 → FURNISH AND INSTALL TEMPORARY BLOW OFF PER ODOT STD DWG RD262. RESTRAIN ALL JOINTS WITHIN 80 FEET OF BLIND FLANGE.
- 210 → FURNISH AND INSTALL WATER VALVE BOX PER ODOT STD DWG RD258.
- 211 → FURNISH AND INSTALL 12" - 22.5' HORIZONTAL BEND. RESTRAIN ALL JOINTS WITHIN 20 FEET OF BEND.
- 212 → FURNISH AND INSTALL 12" - 45' HORIZONTAL BEND. RESTRAIN ALL JOINTS WITHIN 20 FEET OF BEND.
- 213 → FURNISH AND INSTALL 12" - 45' VERTICAL BEND. RESTRAIN ALL JOINTS WITHIN 50 FEET OF UPPER BENDS AND 10 FEET ON LOWER BENDS.
- 214 → FURNISH AND INSTALL 6" - 45' VERTICAL BEND. RESTRAIN ALL JOINTS WITHIN 30 FEET OF UPPER BENDS AND 10 FEET ON LOWER BENDS.
- 215 → FURNISH AND INSTALL 12"x12" CROSS. RESTRAIN ALL PIPE JOINTS WITHIN 20 FEET OF CROSS.
- 216 → FURNISH AND INSTALL 12"x6" TEE. RESTRAIN ALL PIPE JOINTS WITHIN 20 FEET OF TEE.
- 217 → FURNISH AND INSTALL 12" GATE VALVE (MUELLER RESILIENT WEDGE OR APPROVED EQUAL). PROVIDE MECHANICAL JOINT THRUST RESTRAINT.
- 218 → FURNISH AND INSTALL 6" GATE VALVE (MUELLER RESILIENT WEDGE OR APPROVED EQUAL). PROVIDE MECHANICAL JOINT THRUST RESTRAINT.
- 219 → FURNISH AND INSTALL FIRE HYDRANT ASSEMBLY (MUELLER 5 1/4" A423 SUPER CENTURION "250" WITH TWO HOSE NOZZLES AND ONE PUMPER NOZZLE WITH 4" INTEGRAL STORZ CONNECTION). HYDRANT TO BE PAINTED YELLOW WITH APPROVED PAINT. INSTALL 36"x36"x6" CONCRETE PAD. SEE ODOT STD DWG RD254.
- 220 → FURNISH AND INSTALL 12" PVC C-900 DR18 WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300. BEDDING AND BACKFILL TO BE CRUSHED QUARRY ROCK. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 36" OF COVER.
- 221 → FURNISH AND INSTALL 6" PVC C-900 DR18 WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300. BEDDING AND BACKFILL TO BE CRUSHED QUARRY ROCK. DEFLECT PIPE AT JOINTS AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 36" OF COVER.
- 222 → FURNISH AND INSTALL NEW WATER SERVICE LINE, 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 (3/4" iPEARL BY SENSUS), BALL ANGLE METER VALVE (1"x3/4" MUELLER 300 BALL ANGLE METER, B-24259N), SERVICE PIPE (1" POLYETHYLENE SDR 7) AND CORPORATION STOP (1" MUELLER) SERVICE SADDLES. BEDDING AND BACKFILL TO BE 1"-0" CRUSHED QUARRY ROCK.
- 223 → CONTRACTOR TO CONNECT NEW WATER SERVICE TO EXISTING SERVICE USING APPROPRIATE COUPLINGS AND FITTINGS. CONTRACTOR TO DETERMINE SIZE OF EXISTING SERVICE LINE AND INSTALL NEW SERVICE LINE TO MATCH. RESTORE ANY DISTURBED AREA TO SAME OR BETTER CONDITION.
- 224 → ABANDON EXISTING WATERLINE IN PLACE ONCE NEW WATER LINE IS INSTALLED AND APPROVED FOR USE.
- 225 → REMOVE WATER VALVE BOXES ONCE NEW WATERLINE IS INSTALLED. ONCE NEW WATERLINE IS APPROVED, ABANDON EXISTING WATERLINE.
- 226 → REMOVE EXISTING FIRE HYDRANT AND CONCRETE PAD ONCE NEW WATERLINE IS INSTALLED. RESTORE ANY DISTURBED AREA TO SAME OR BETTER CONDITION.
- 227 → WATER AND SANITARY SEWER CROSSING TO BE IN ACCORDANCE WITH OAR 333-061-0050 (9).
- 228 → FURNISH AND INSTALL 12"x6" REDUCER. RESTRAIN ALL PIPE JOINTS WITHIN 60 FEET OF REDUCER.



DIAMOND HILL ROAD
WATERLINE & STREET IMPROVEMENTS
FROM 7TH STREET TO 9TH STREET
HARRISBURG, OREGON

revisions:

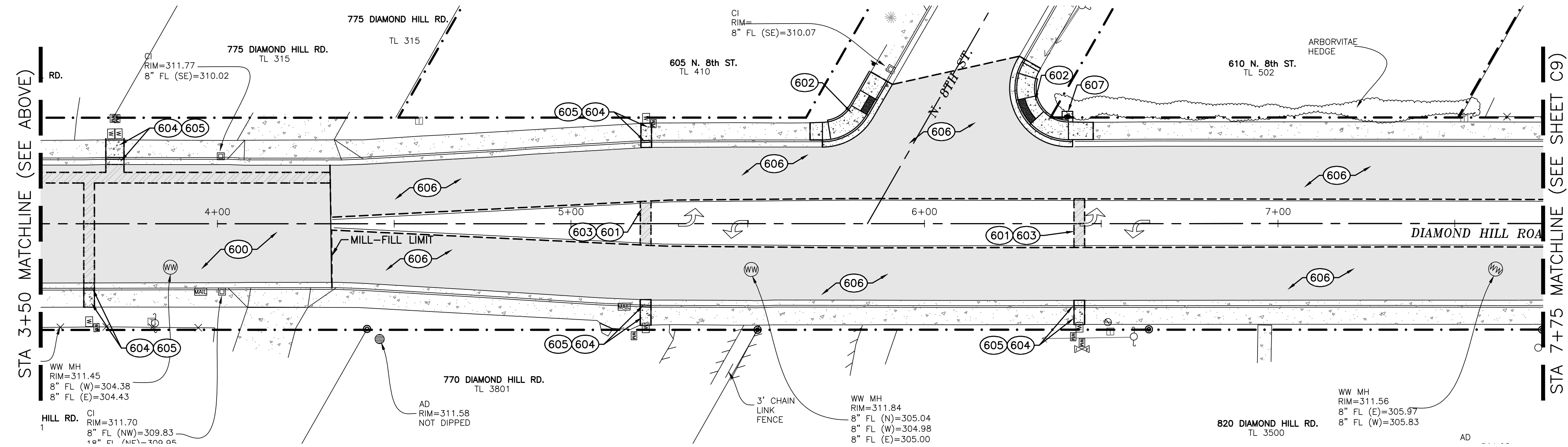
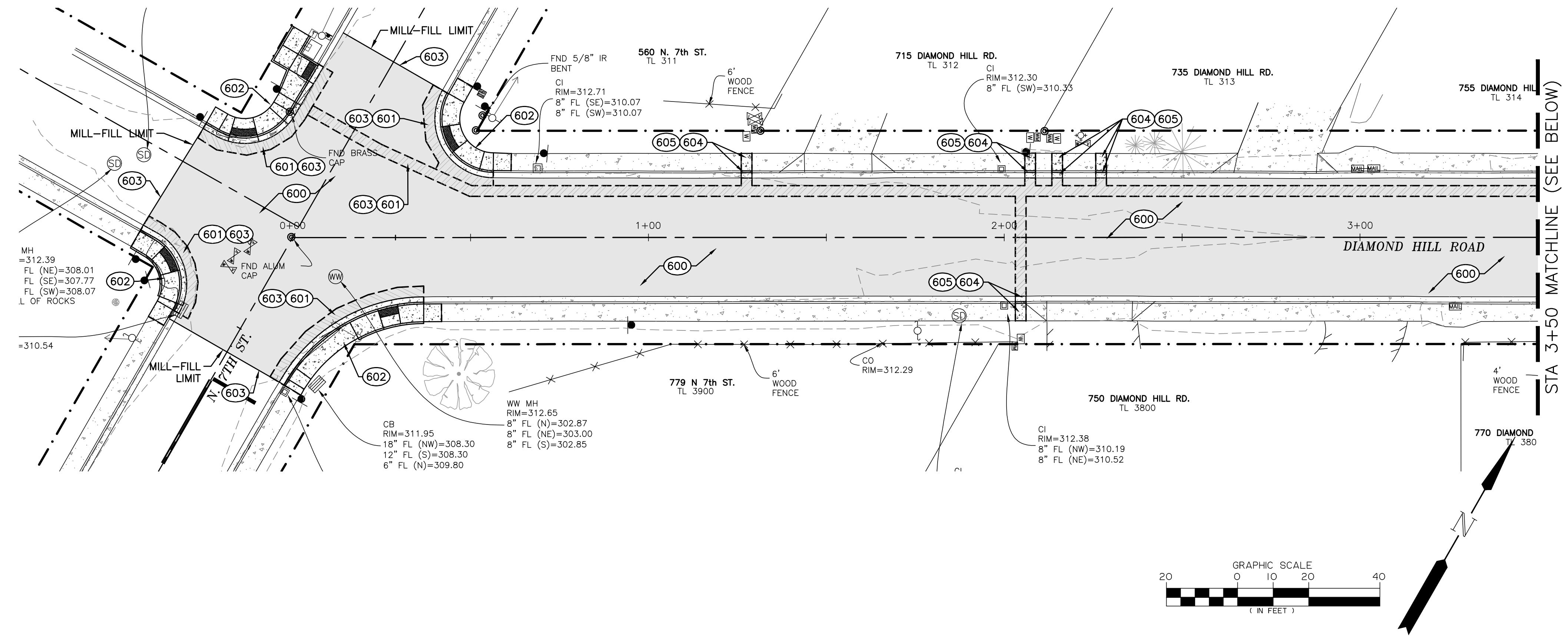
date: JUNE 14, 2021
drawn by: GAM
designer: GAM
project no: 20-009B

PROPOSED
WATERLINE
STA 10+50 TO
STA 14+25

sheet:
C7

CONSTRUCTION NOTES

- 600—CONSTRUCT PAVEMENT COLD PLANE REMOVAL AND PAVING PER TYPICAL SECTION, SHEET C1.
- 601—CONTRACTOR TO CONSTRUCT AC REPAIR BY PLACING 4" OF COMPACTED LEVEL 2- 1/2" DENSE HMAC OR MATCH EXISTING THICKNESS (WHICHEVER IS GREATER) OVER COMPACTED CRUSHED ROCK PER PAVEMENT REPAIR DETAIL SHEET CX.
- 602—CONSTRUCT CURB RETURN WITH ADA RAMPS INCLUDING TRUNCATED DOME. PLACE 4" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK. SEE SHEETS C10-C13 FOR CURB RETURN DETAILS WITH DIMENSIONS AND SPOT ELEVATIONS.
- 603—SEAL PAVEMENT JOINT. TACK COAT EXISTING PAVEMENT EDGES. THE MATCHLINE TO EXISTING PAVING SHALL COMPLY WITH ODOT STD DWG RD302.
- 604—CONSTRUCT CONCRETE CURB & GUTTER PER ODOT STD DWG RD700. DRILL 3/4" x 4-1/2" 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 CONCRETE SIDEWALK 4" THICK PER OREGON STANDARD DRAWING RD720 OVER 4" OF 1"-0" CRUSHED QUARRY ROCK.
- 606—CONSTRUCT PAVEMENT SECTION PER TYPICAL SECTION, SHEET C1.
- 607—CONSTRUCT 6'X6'X4" CONCRETE PAD AROUND FIRE HYDRANT AND VALVE BOX. PLACE 4" MINIMUM THICKNESS OF 1-1/2"-0" CRUSHED QUARRY ROCK.



**DIAMOND HILL ROAD
WATERLINE & STREET IMPROVEMENTS**

FROM 7TH STREET TO 9TH STREET
HARRISBURG, OREGON

revisions:

date: JUNE 14, 2021
drawn by: GAM
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project no: 20-009B

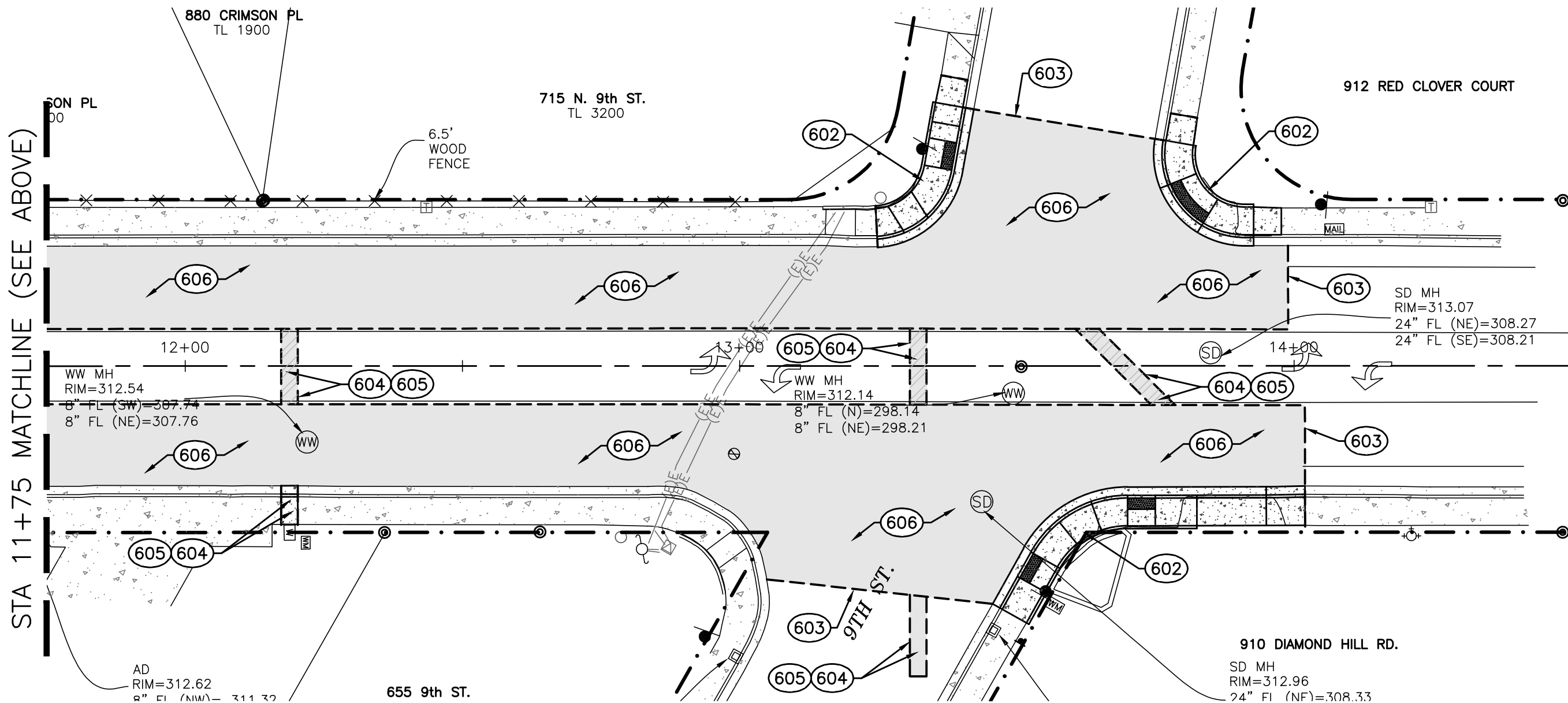
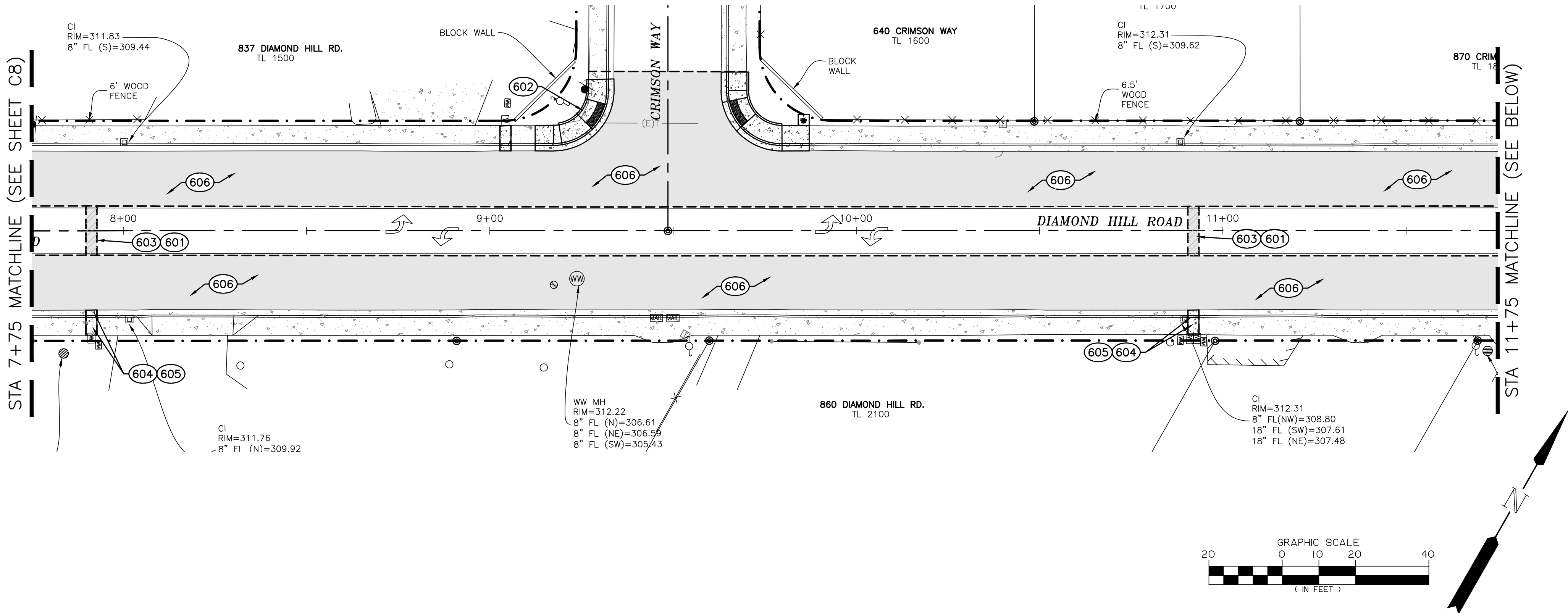
STREET
IMPROVEMENTS
STA 0+00 TO
STA 7+75

sheet:

C8

CONSTRUCTION NOTES

- 600 → CONSTRUCT PAVEMENT COLD PLANE REMOVAL AND PAVING PER TYPICAL SECTION, SHEET C1.
- 601 → CONTRACTOR TO CONSTRUCT AC REPAIR BY PLACING 4" OF COMPACTED LEVEL 2- 1/2" DENSE HMAC OR MATCH EXISTING THICKNESS (WHICHEVER IS GREATER) OVER COMPACTED CRUSHED ROCK PER PAVEMENT REPAIR DETAIL SHEET CX.
- 602 → CONSTRUCT CURB RETURN WITH ADA RAMPS INCLUDING TRUNCATED DOME. PLACE 4" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK. SEE SHEETS C10-C13 FOR CURB RETURN DETAILS WITH DIMENSIONS AND SPOT ELEVATIONS.
- 603 → SEAL PAVEMENT JOINT. TACK COAT EXISTING PAVEMENT EDGES. THE MATCHLINE TO EXISTING PAVING SHALL COMPLY WITH ODOT STD DWG RD302.
- 604 → CONSTRUCT CONCRETE CURB & GUTTER PER ODOT STD DWG RD700. DRILL 3/4" x 4-1/2" 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.
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- 606 → CONSTRUCT PAVEMENT SECTION PER TYPICAL SECTION, SHEET C1.
- 607 → CONSTRUCT 6'X6'X4" CONCRETE PAD AROUND FIRE HYDRANT AND VALVE BOX. PLACE 4" MINIMUM THICKNESS OF 1-1/2"-0" CRUSHED QUARRY ROCK.



**DIAMOND HILL ROAD
WATERLINE & STREET IMPROVEMENTS**
FROM 7TH STREET TO 9TH STREET
HARRISBURG, OREGON

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drawn by: GAM
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**STREET
IMPROVEMENTS
STA 7+75 TO
STA 14+25**

sheet:
C9



EXPIRES: DECEMBER 31, 2022

project title:

DIAMOND HILL ROAD WATERLINE & STREET IMPROVEMENTS

FROM 7TH STREET TO 9TH STREET
HARRISBURG, OREGON

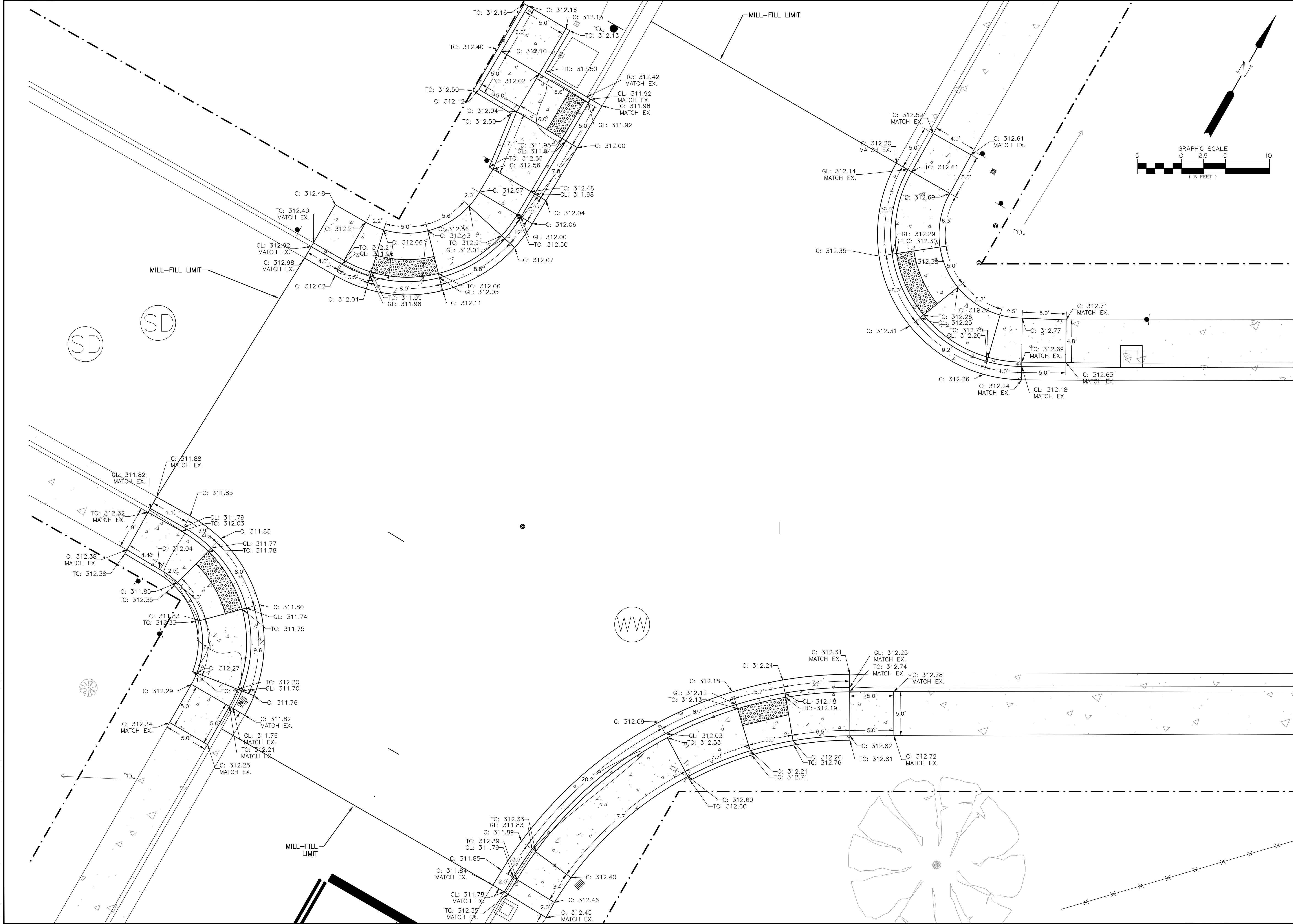
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drawn by: GAM
designer: GAM
project no: 20-009B

DIAMOND HILL
& N. 7TH STR
PROPOSED
ADA RAMPS

sheet:

C10



Project title:

DIAMOND HILL ROAD WATERLINE & STREET IMPROVEMENTS

FROM 7TH STREET TO 9TH STREET
HARRISBURG, OREGON

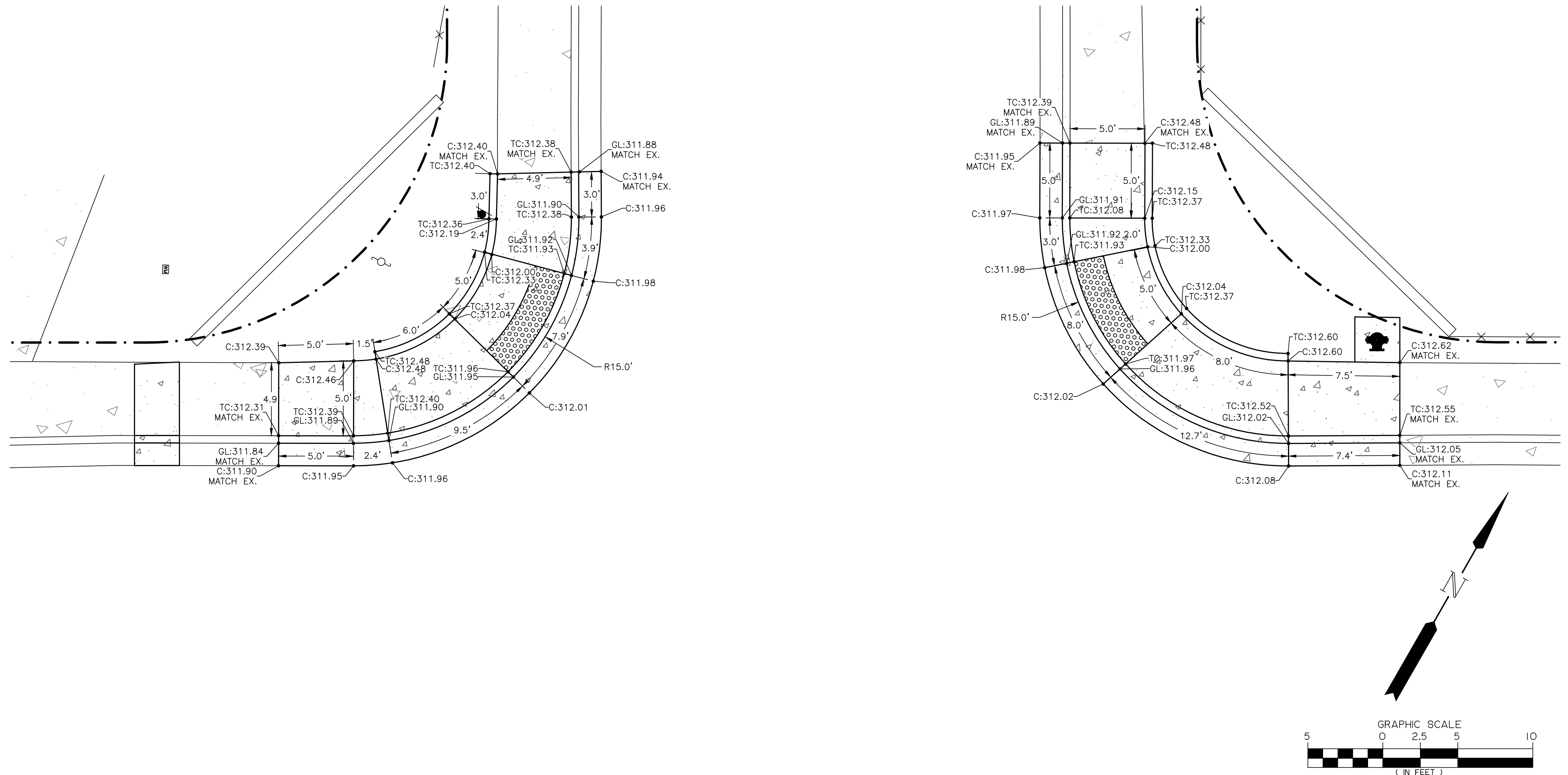
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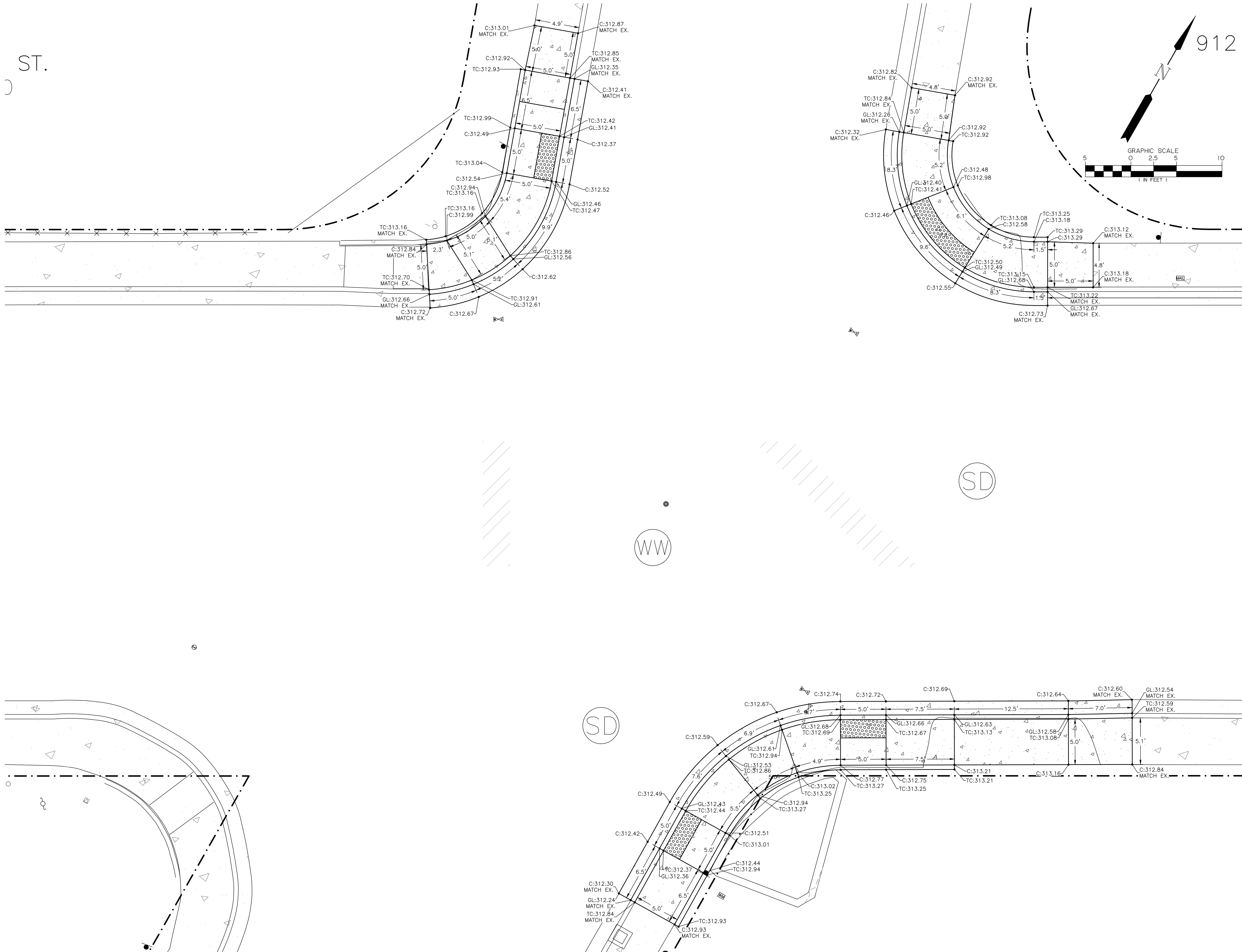
Date: JUNE 14, 2021
 Drawn by: GAM
 Designer: GAM
 Project no: 20-009B

DIAMOND HILL
& CRIMSON WAY
PROPOSED
ADA RAMPS

meet:

C12





DIAMOND HILL ROAD WATERLINE & STREET IMPROVEMENTS

FROM 7TH STREET TO 9TH STREET
HARRISBURG, OREGON

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designer: GAM
project no: 20-009B

DIAMOND HILL
& 9TH STR
PROPOSED
ADA RAMPS

sheet:

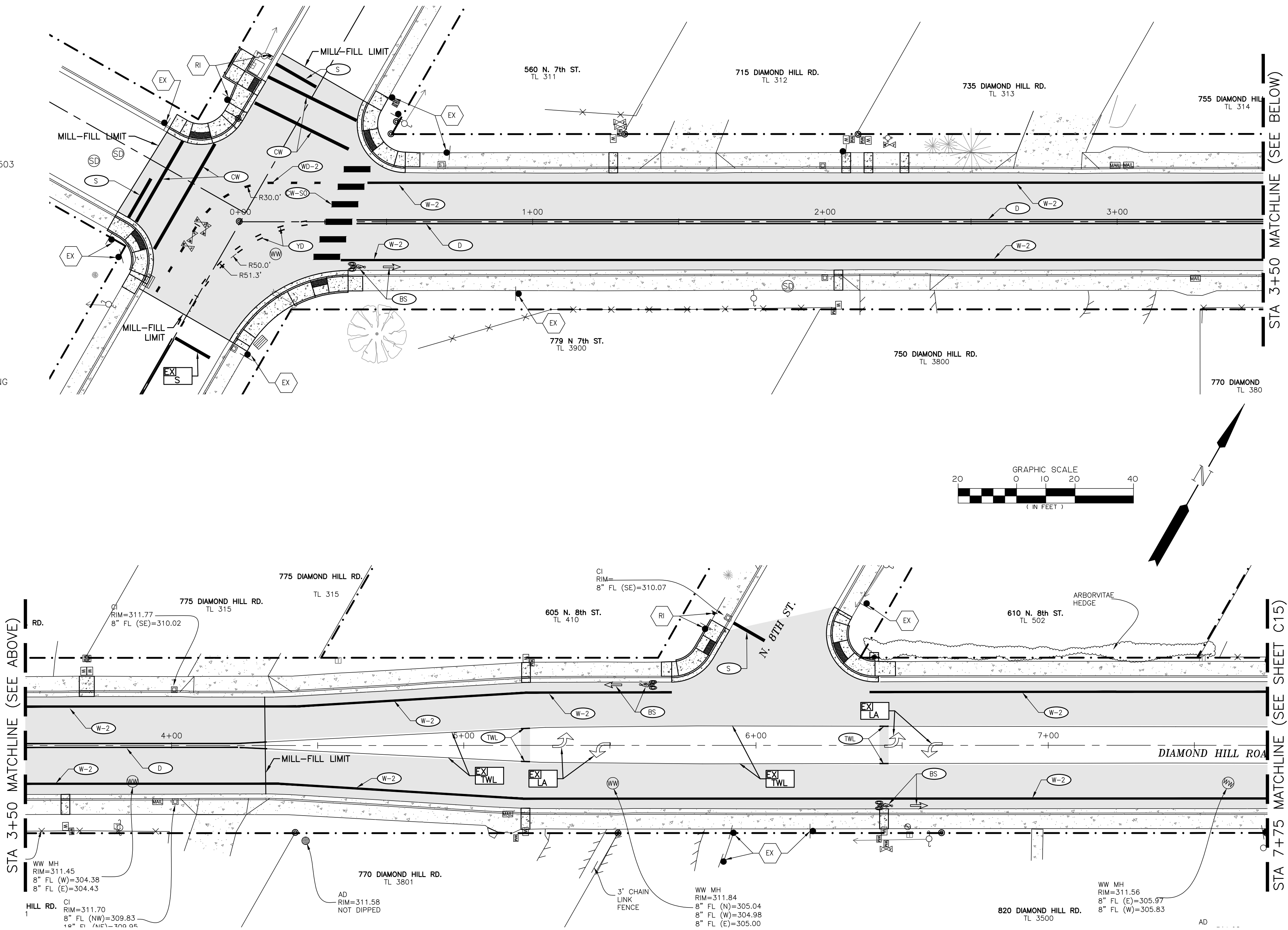
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STRIPING NOTES

- EXIST** MAINTAIN AND PROTECT EXISTING STRIPING (T=TYPE)
- REMOVE STRIPING (T=TYPE) USING AN APPROVED METHOD PER CURRENT ODOT STANDARD SPECIFICATIONS.
- CW** → CONSTRUCT STANDARD CROSSWALK PER ODOT STANDARD DRAWINGS TM503 AND TM530.
- CW-SO** → CONSTRUCT STAGGERED CONTINENTAL CROSSWALK PER ODOT STANDARD DRAWINGS TM503 AND TM530.
- S** → CONSTRUCT (S) STANDARD 1'-0" STOP BAR PER ODOT STANDARD DRAWING TM503
- W-2** → INSTALL 8" WIDE WHITE LINE PER MANUFACTURER'S SPECIFICATIONS; SEE STANDARD DRAWING TM500.
- D** → INSTALL 4" DOUBLE YELLOW LINE PER MANUFACTURER'S SPECIFICATIONS; SEE STANDARD DRAWING TM500.
- BS** → INSTALL BIKE LANE STANDARD STENCIL PER MANUFACTURER'S SPECIFICATIONS; SEE STANDARD DRAWING TM503.
- TWL** → INSTALL TWO WAY LEFT TURN LINES PER MANUFACTURER'S SPECIFICATIONS; SEE STANDARD DRAWING TM500.
- LA** → INSTALL LEFT TURN ARROW, PER MANUFACTURER'S SPECIFICATIONS; SEE STANDARD DRAWING TM501.
- ALL STRIPING MATERIALS SHALL COMPLY WITH CURRENT OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION (2018 EDITION OR NEWER) AND SHALL BE INSTALLED PER CURRENT OREGON STANDARD DRAWINGS.
- REFER TO STANDARD DRAWINGS TM505, TM530, TM560 AND TM561 FOR STRIPING INSTALLATION DETAILS
- ALL LONGITUDINAL MARKINGS SHALL BE EXTRUDED OR SPRAYED THERMOPLASTIC APPLIED USING METHOD AB.
- TRANSVERSE MARKINGS AND LEGENDS SHALL BE TYPE B-HS PREFORMED FUSED THERMOPLASTIC FILM HIGH SKID.

SIGNING NOTES

- EX** MAINTAIN AND PROTECT EXISTING SIGN AND SIGN SUPPORT.
- RI** REMOVE AND REINSTALL EXISTING SIGN AND SIGN SUPPORT.



project title:

DIAMOND HILL ROAD
WATERLINE & STREET IMPROVEMENTS

FROM 7TH STREET TO 9TH STREET
HARRISBURG, OREGON

revisions:

date: JUNE 14, 2021
drawn by: GAM
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project no: 20-009B

PAVEMENT
MARKINGS
STA 0+00 TO
STA 7+75

sheet:

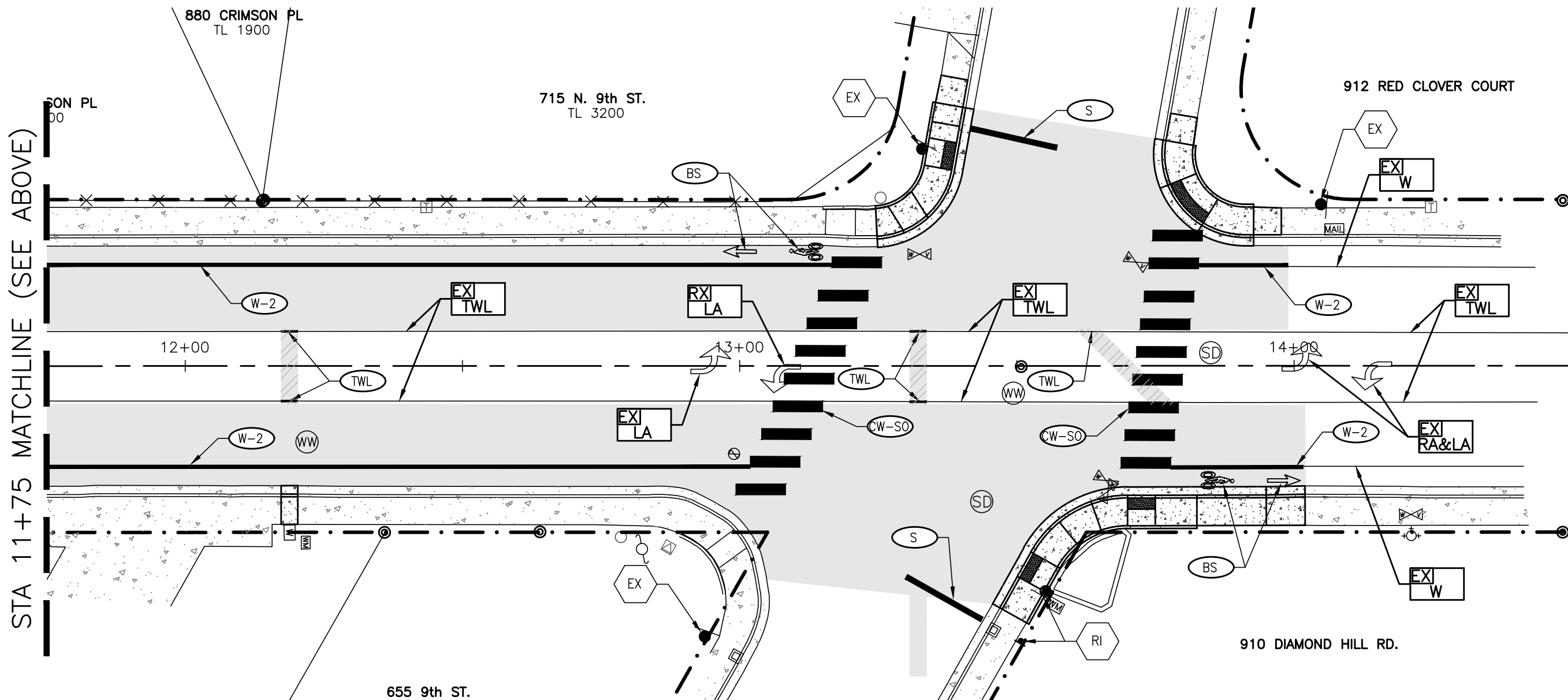
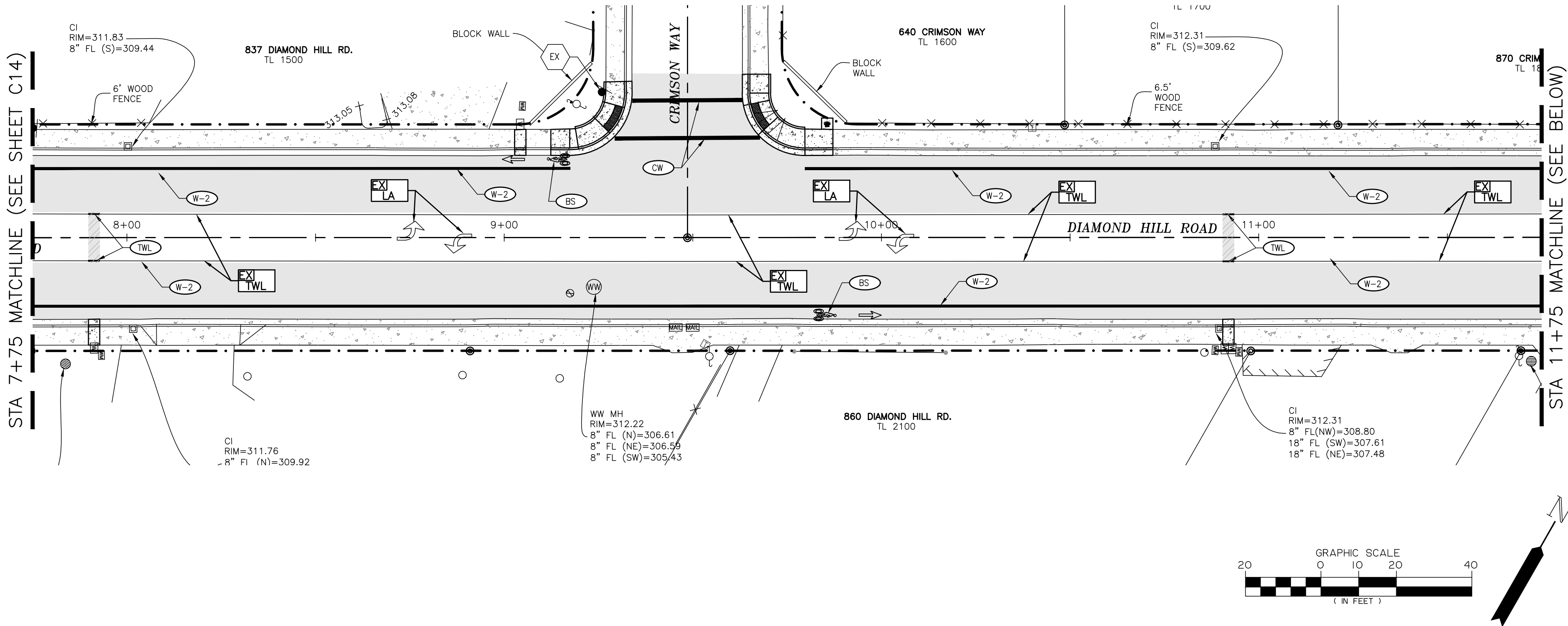
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STRIPING NOTES

- EX**
T MAINTAIN AND PROTECT EXISTING STRIPING (T=TYPE)
- REMOVE STRIPING (T=TYPE) USING AN APPROVED METHOD PER CURRENT ODOT STANDARD SPECIFICATIONS.
- CW** → CONSTRUCT STANDARD CROSSWALK PER ODOT STANDARD DRAWINGS TM503 AND TM530.
- CW-SO** → CONSTRUCT STAGGERED CONTINENTAL CROSSWALK PER ODOT STANDARD DRAWINGS TM503 AND TM530.
- S** → CONSTRUCT (S) STANDARD 1'-0" STOP BAR PER ODOT STANDARD DRAWING TM503.
- W-2** → INSTALL 8" WIDE WHITE LINE PER MANUFACTURER'S SPECIFICATIONS; SEE STANDARD DRAWING TM500.
- D** → INSTALL 4" DOUBLE YELLOW LINE PER MANUFACTURER'S SPECIFICATIONS; SEE STANDARD DRAWING TM500.
- BS** → INSTALL BIKE LANE STANDARD STENCIL PER MANUFACTURER'S SPECIFICATIONS; SEE STANDARD DRAWING TM503.
- TWL** → INSTALL TWO WAY LEFT TURN LINES PER MANUFACTURER'S SPECIFICATIONS; SEE STANDARD DRAWING TM500.
- LA** → INSTALL LEFT TURN ARROW, PER MANUFACTURER'S SPECIFICATIONS; SEE STANDARD DRAWING TM501.
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SIGNING NOTES

- EX** MAINTAIN AND PROTECT EXISTING SIGN AND SIGN SUPPORT.
- RI** REMOVE AND REINSTALL EXISTING SIGN AND SIGN SUPPORT.



**DIAMOND HILL ROAD
WATERLINE & STREET IMPROVEMENTS**

FROM 7TH STREET TO 9TH STREET
HARRISBURG, OREGON

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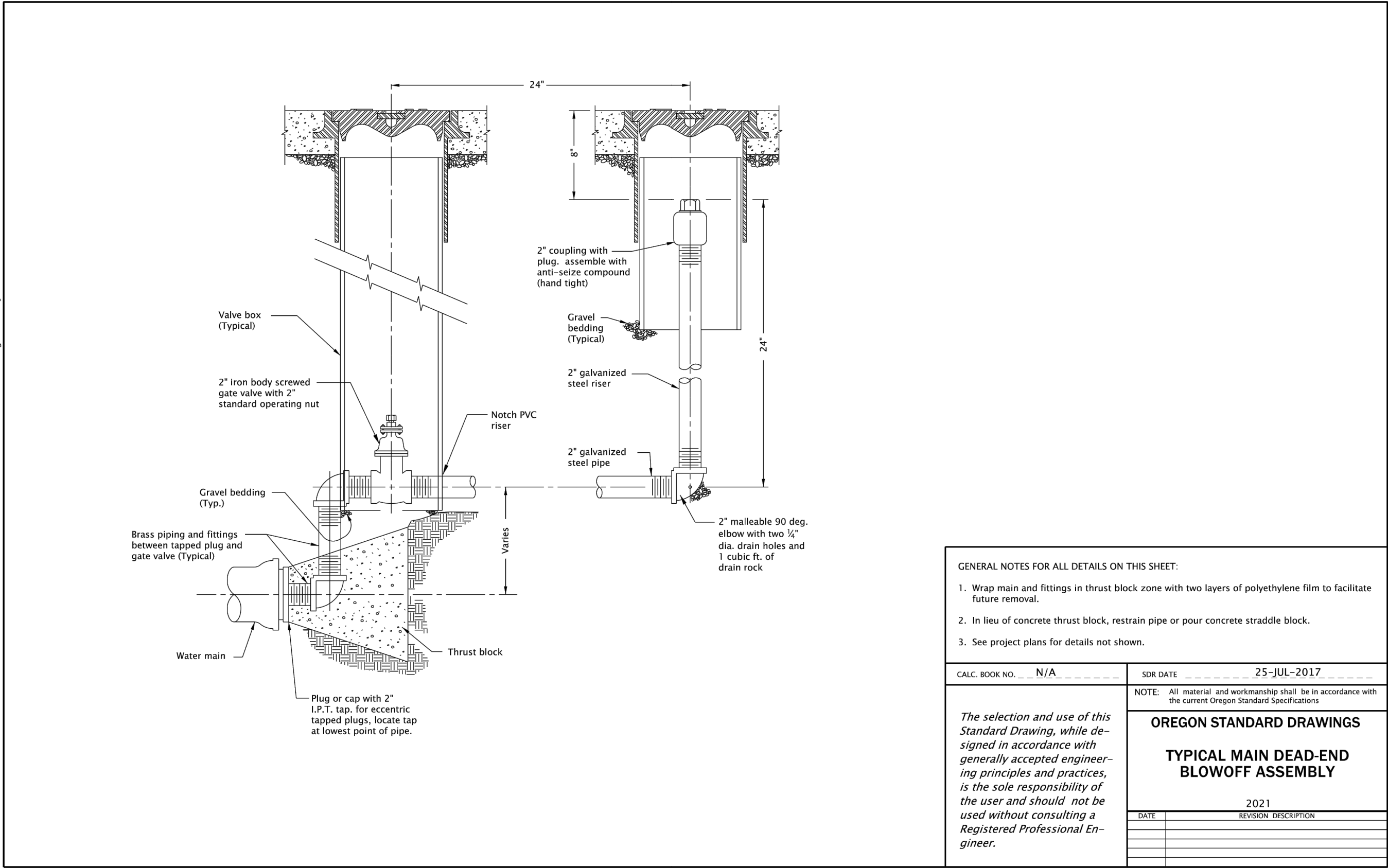
**PAVEMENT
MARKINGS**
STA 7+75 TO
STA 14+25

sheet:

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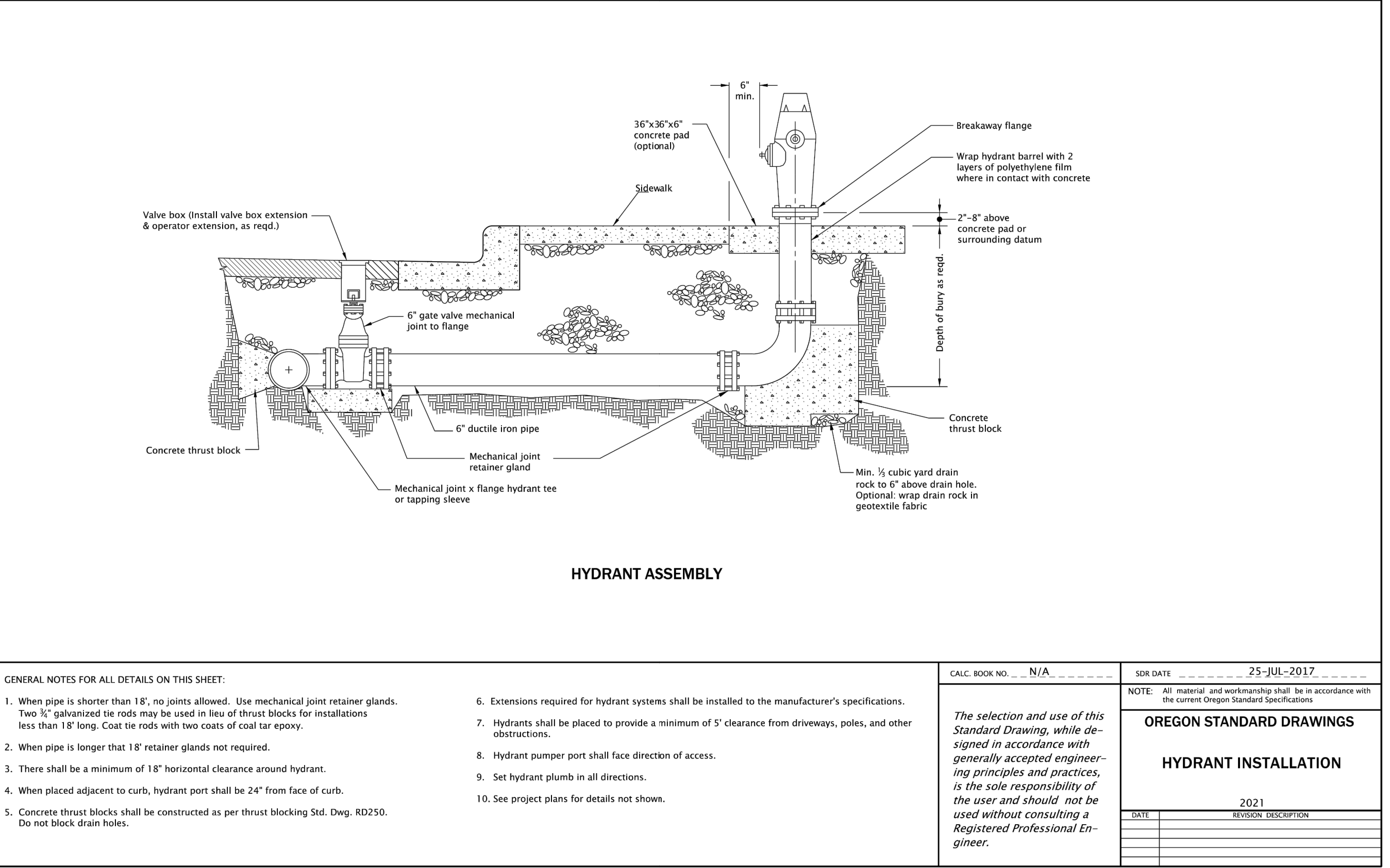


RD262

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RD254

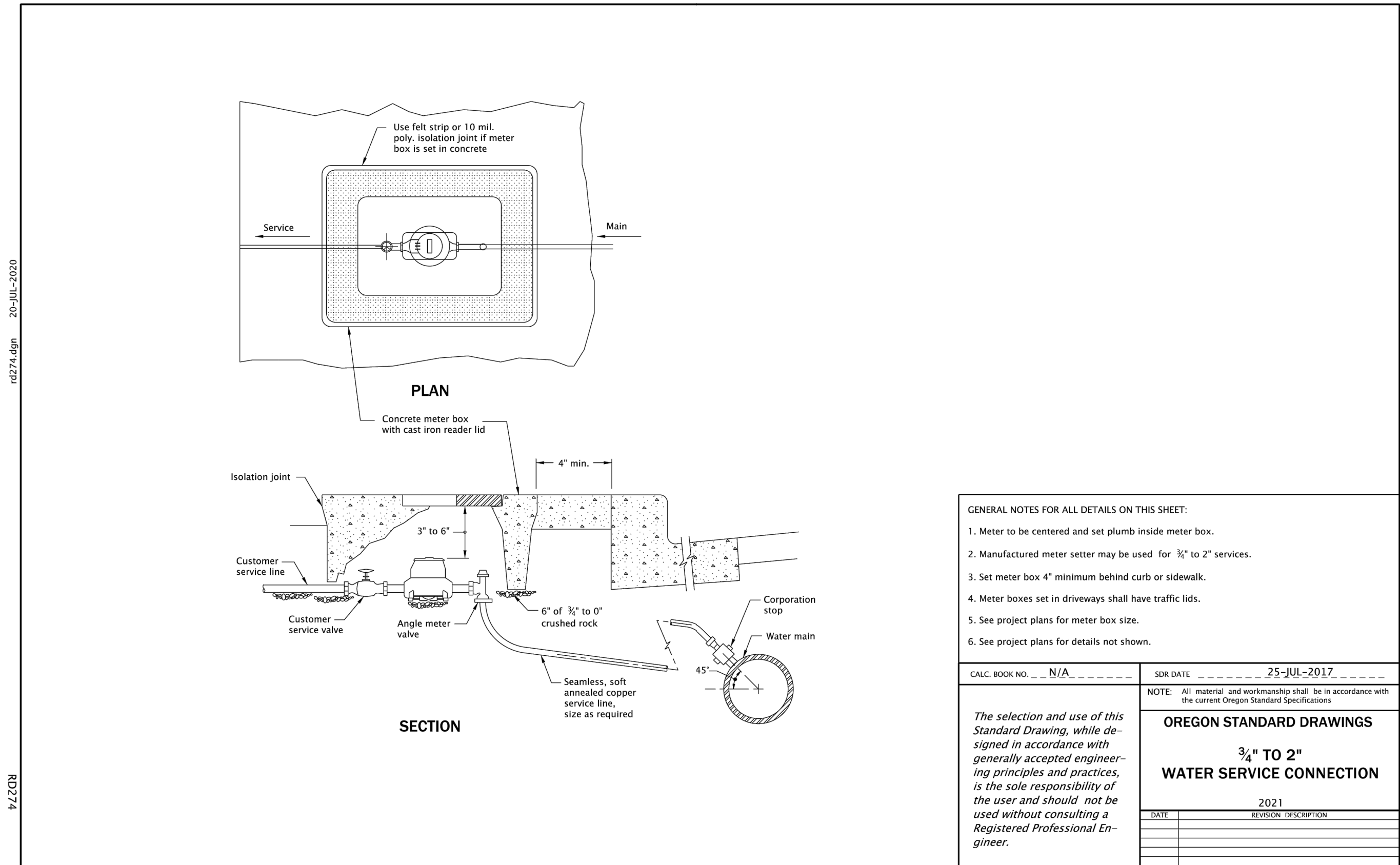
RD254.dgn 20-JUL-2020



RD254

RD274.dgn 20-JUL-2020

RD274



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

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EXPIRES: DECEMBER 31, 2022

project title:

**DIAMOND HILL ROAD
WATERLINE & STREET IMPROVEMENTS**
FROM 7TH STREET TO 9TH STREET
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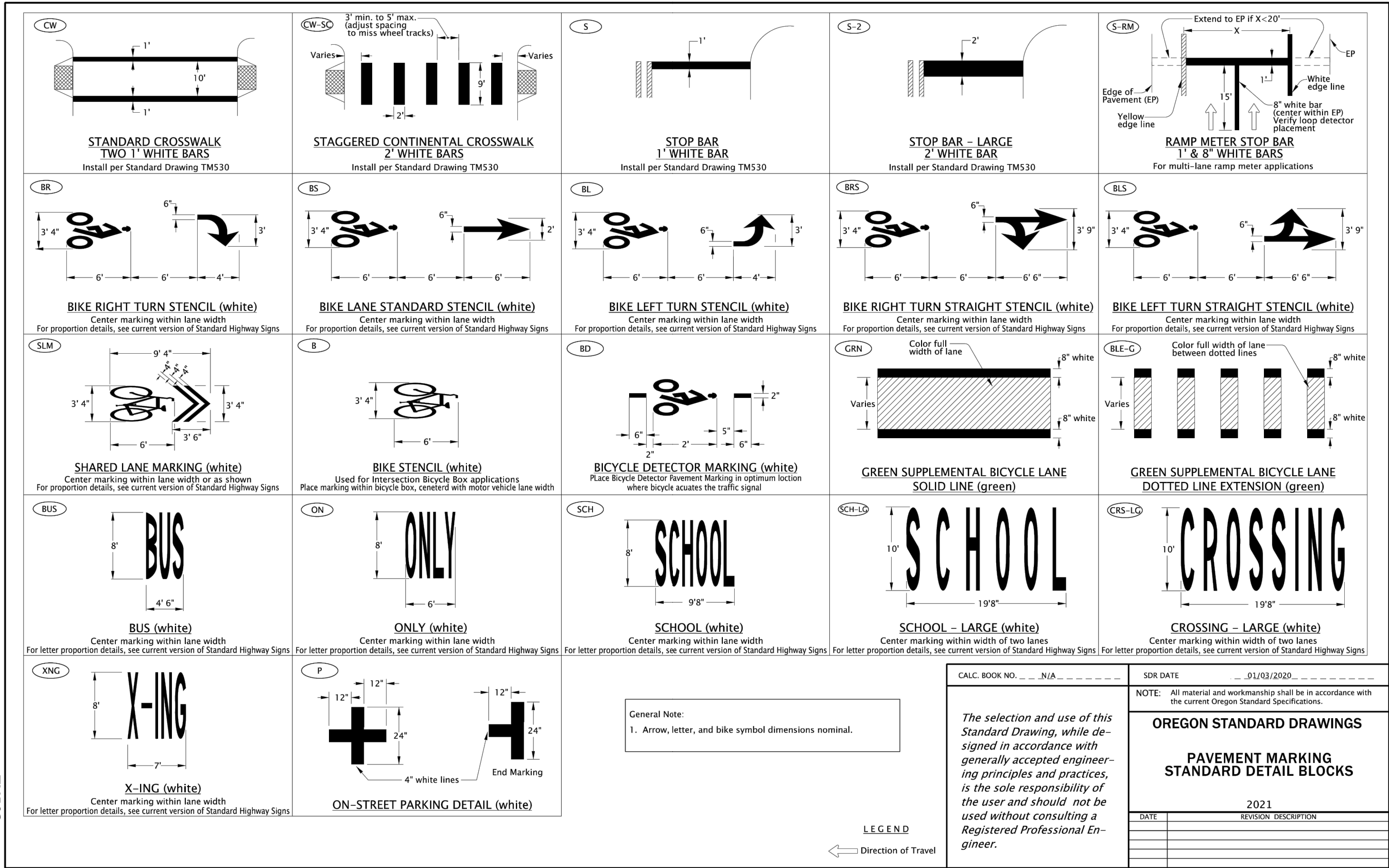
DETAILS

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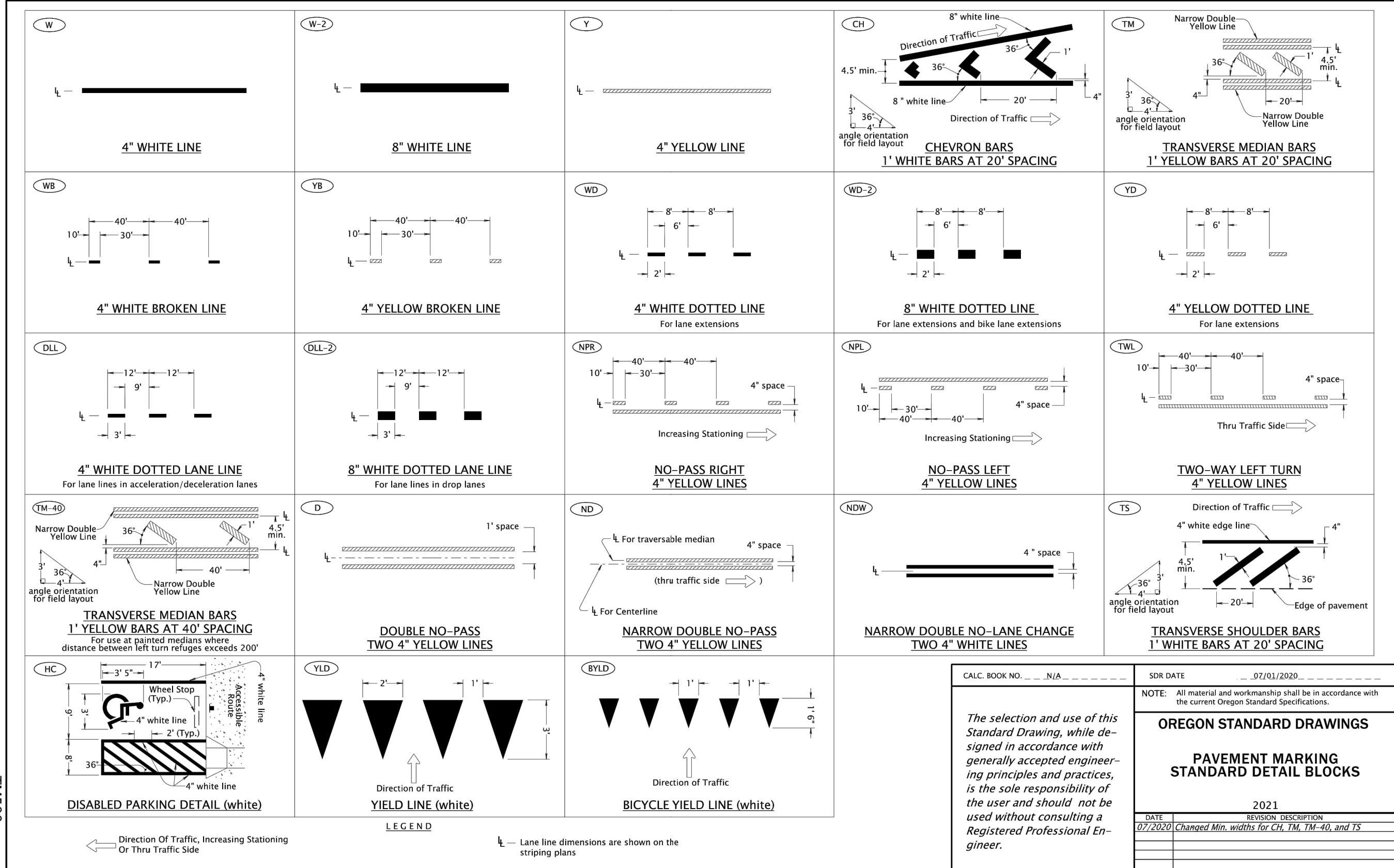
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TM503

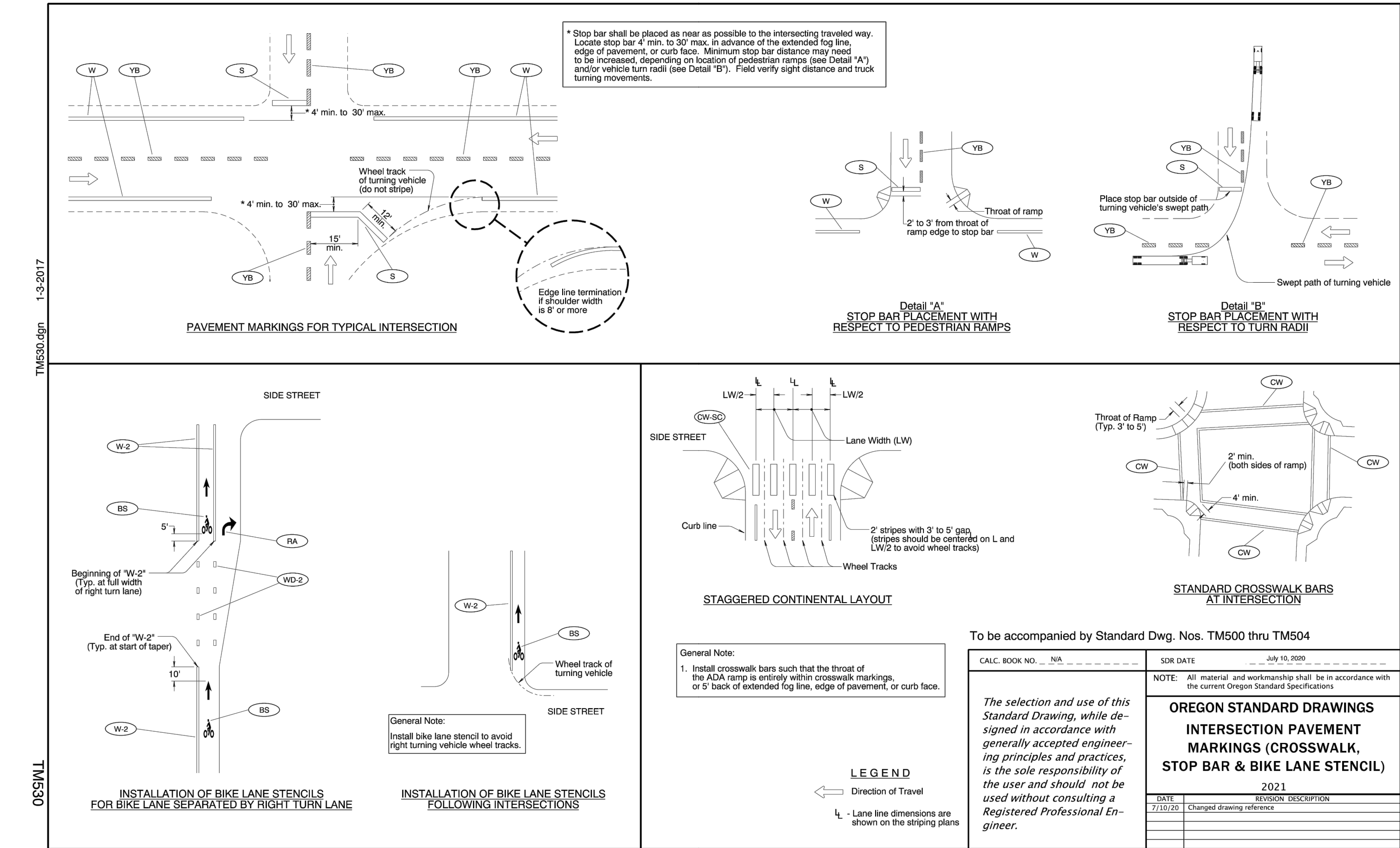


TM503

TM500



TM500



TM500

project title:

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DETAILS

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C18