


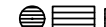


















9TH STREET & SOMMERVILLE LOOP STREET IMPROVEMENTS

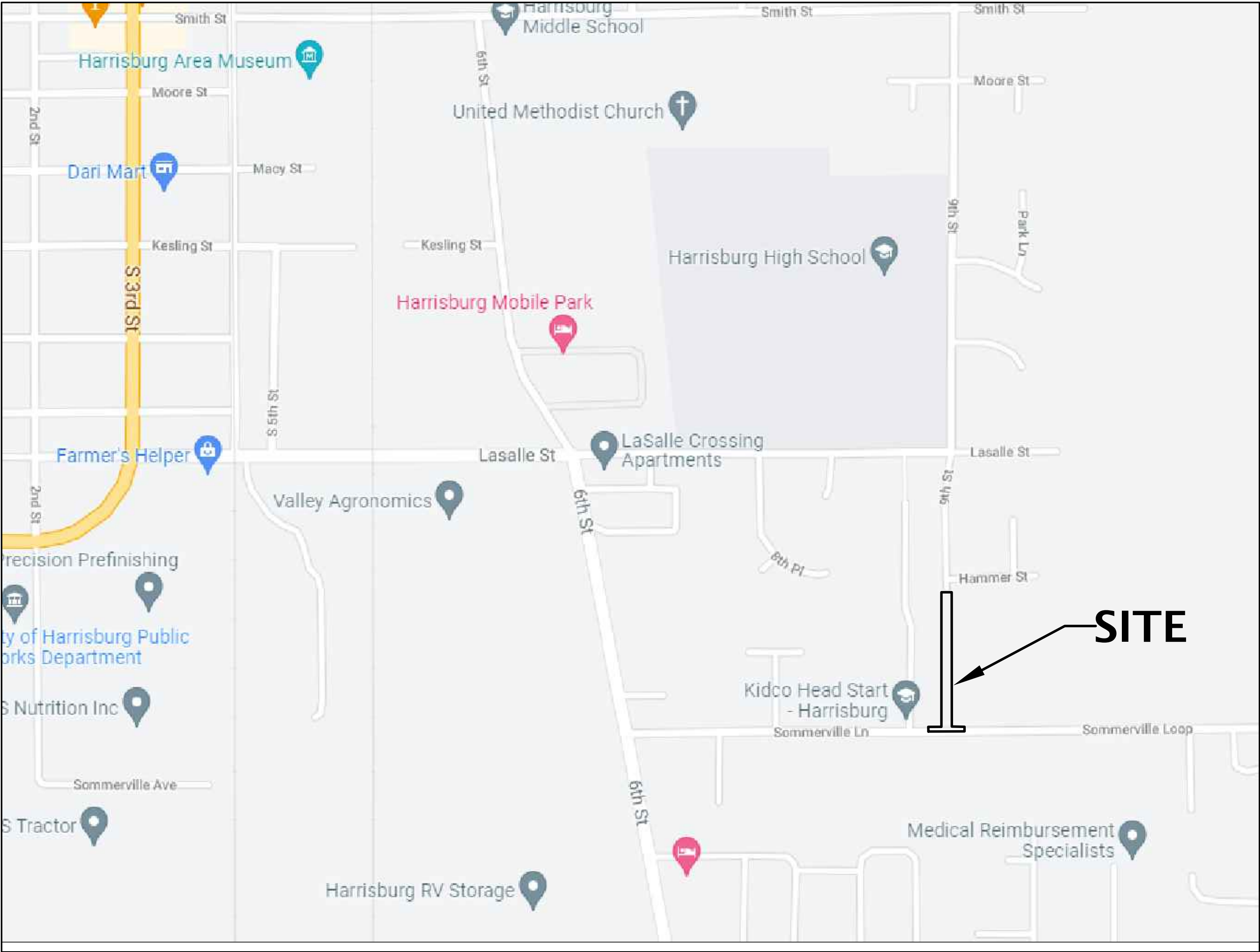
HARRISBURG, OREGON

LEGEND

EXISTING			
----	PROPERTY LINE		WASTEWATER MANHOLE
----	ADJOINER PROPERTY LINE		STORM DRAIN MANHOLE
==	CURB		CURB INLET
	EDGE OF ASPHALT		CATCH BASIN
---(E)OHP---	OVERHEAD WIRES		MAIL BOX
---(E)G---	GAS LINE		SIGN
---(E)SD---	STORMWATER LINE		GUY WIRE
---(E)WW---	WASTEWATER LINE		ELECTRIC POLE
---(E)W---	WATER LINE		TELEPHONE RISER
---(E)T---	UNDERGROUND TELEPHONE LINE		GAS VALVE
---459---	CONTOUR LINE		CLEAN OUT
---X---	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	
---SD---	STORMWATER LINE	
---SS---	WASTEWATER LINE	
---W---	WATER LINE	
---459---	CONTOUR LINE	
---X---	FENCE	
⊙	CONCRETE	
⊙	ASPHALT	
⊙	FIRE HYDRANT	
⊙	WATER METER	
⊙	STORM DRAIN MANHOLE	
⊙	CATCH BASIN	
⊙	MAIL BOX	
⊙	SIGN	
⊙	GUY WIRE	
⊙	ELECTRIC POLE	

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



SHEET #	SHEET TITLE
C0	COVER SHEET
C1	GENERAL NOTES & TYPICAL SECTIONS
C2	EXISTING CONDITIONS & DEMOLITION PLAN 9TH STREET
C3	EXISTING CONDITIONS & DEMOLITION PLAN SOMMERVILLE LOOP
C4	9TH STREET PLAN & PROFILE
C5	SOMMERVILLE LOOP PLAN & PROFILE
C6	9TH STREET WATER AND WASTEWATER PLAN & PROFILE
C7	DETAILS
C8	DETAILS
C9	DETAILS
C10	DETAILS

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



project title:

9TH STREET & SOMMERVILLE LOOP
STREET IMPROVEMENTS

FROM HAMMER STREET TO SOMMERVILLE LOOP
HARRISBURG, OREGON

revisions:

date: JULY 21, 2022
drawn by: GAM
designer: GAM
project no: 21-009A

COVERSHEET

sheet:

C0

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" LIFT OF LEVEL 2, 1/2" DENSE GRADED HMAC. WEARING COURSE SHALL BE ONE 2" LIFT OF LEVEL 2, 1/2" DENSE GRADED HMAC. FOLLOW 2021 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- 2

BASE ROCK SHALL BE 12" 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 2021 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

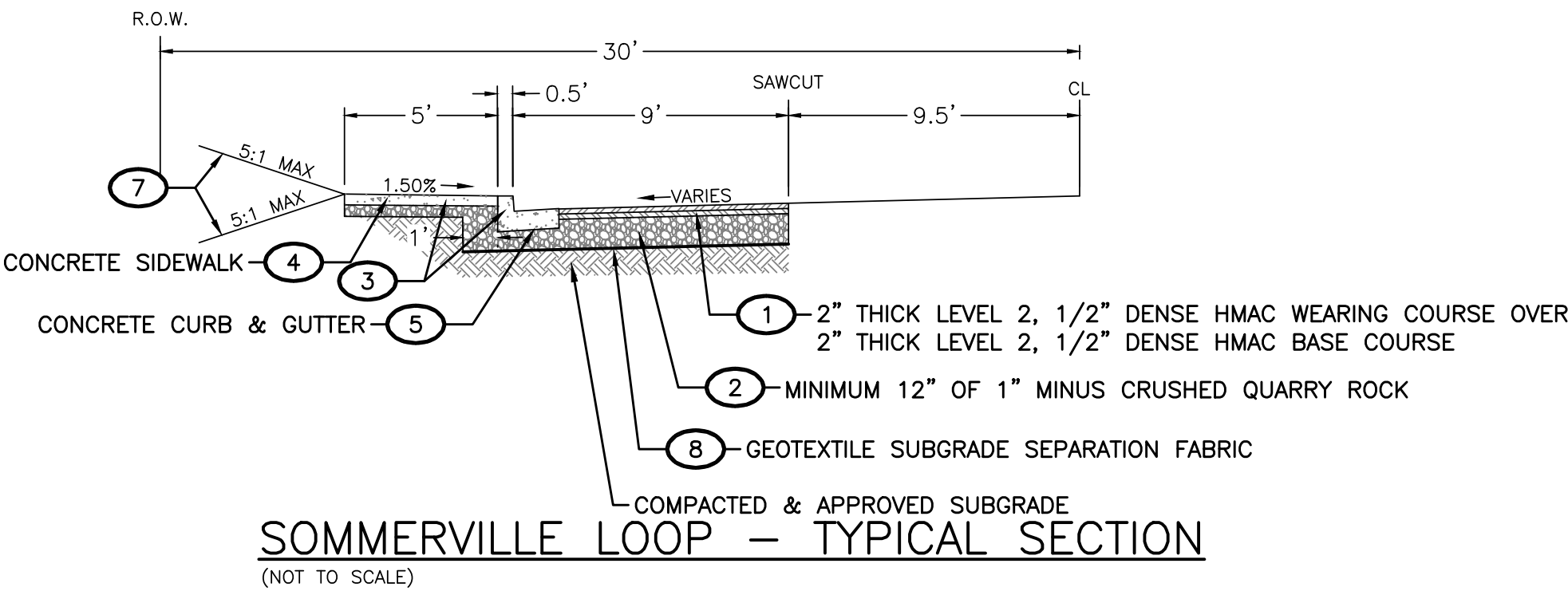
CONCRETE CURB & GUTTER PER OREGON STANDARD DRAWING RD700. 6" CURB EXPOSURE AND 4% GUTTER PAN SLOPE.
- 6

CONCRETE CURB & GUTTER PER OREGON STANDARD DRAWING RD700. 4" CURB EXPOSURE AND 4% GUTTER PAN SLOPE.
- 7

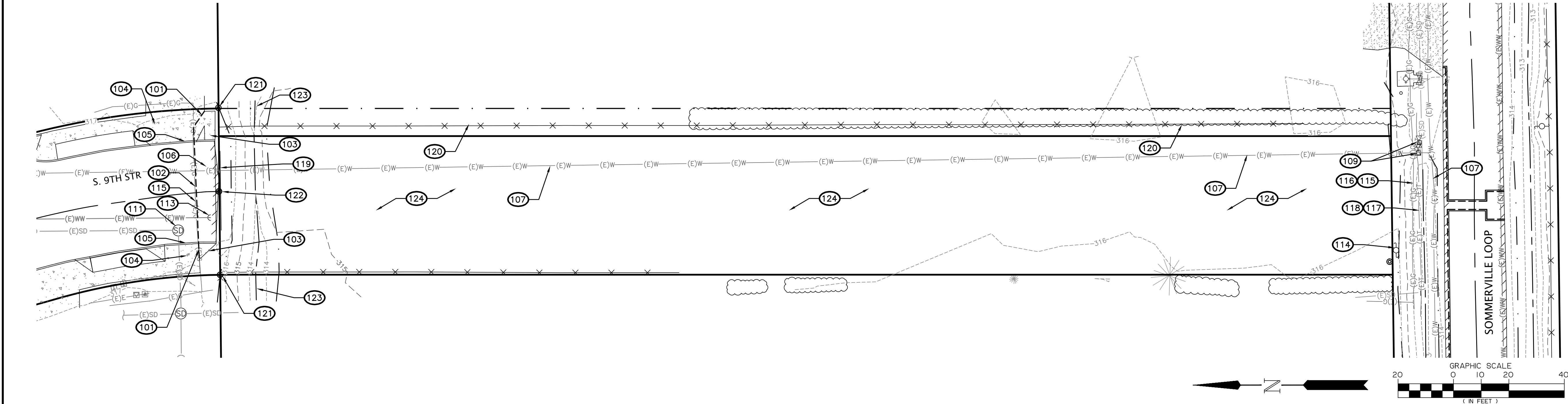
RESEED OR RESTORE SURFACE TO ORIGINAL OR BETTER CONDITION. COORDINATE WITH CITY OR OWNER FOR LANDSCAPE RESTORATION.
- 8

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.



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CONSTRUCTION NOTES

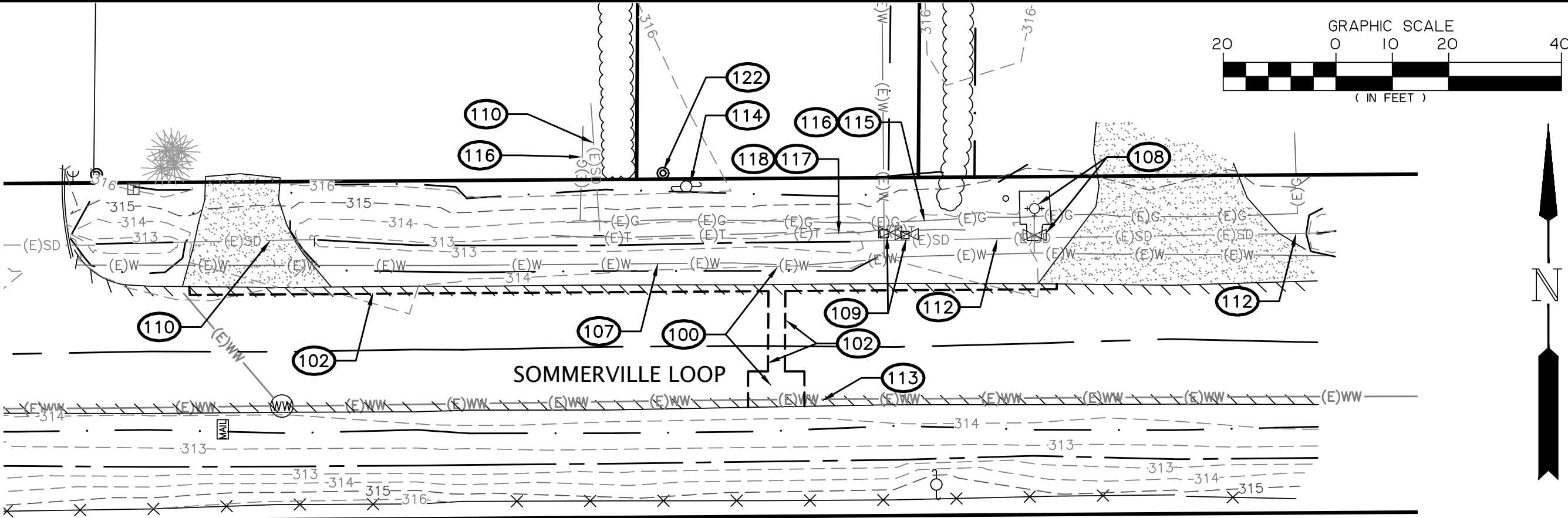
- 101 → SAWCUT EXISTING CONCRETE. PROTECT SAWCUT EDGE FROM DAMAGE.
- 102 → SAWCUT EXISTING AC PAVEMENT. INITIAL SAWCUT AT EDGE OF REMOVAL. FINAL SAWCUT 6 INCHES FROM EDGE OF ANY DAMAGED AC PAVEMENT PER ODOT STD. DWG. RD302.
- 103 → REMOVE EXISTING CONCRETE SIDEWALK AND/OR CONCRETE CURB & GUTTER.
- 104 → 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 → PROTECT EXISTING PUBLIC WATER MAIN.
- 109 → EXISTING WATER VALVE BOX TO BE ADJUSTED. SEE SHEET C4.
- 111 → PROTECT EXISTING STORM MANHOLE.
- 113 → PROTECT EXISTING SANITARY SEWER LINE/CLEANOUT.
- 114 → EXISTING POWER POLE AND/OR POWER POLE AND ANCHOR TO BE RELOCATED. COORDINATE WORK WITH PACIFIC POWER (ELKE VATH 541-967-6160).
- 115 → PROTECT EXISTING GAS LINE. CONTACT NORTHWEST NATURAL GAS (541-926-4253) IF CONFLICTS OCCUR.
- 116 → EXISTING GAS LINE TO BE RELOCATED. COORDINATE WITH NORTHWEST NATURAL GAS (541-926-4253).
- 117 → PROTECT EXISTING TELEPHONE/FIBER OPTICS.
- 118 → EXISTING TELEPHONE LINES TO BE RELOCATED. COORDINATE WORK WITH CENTURY LINK (LUKE PILON 541-484-7827).
- 119 → REMOVE EXISTING GUARD RAIL BARRICADE AND POSTS. BACKFILL POST HOLES WITH COMPACTED CRUSHED ROCK.
- 120 → REMOVE EXISTING FENCE AND POSTS.
- 121 → PROTECT EXISTING SURVEY MONUMENT.
- 122 → 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 FOR MORE INFORMATION.
- 123 → PROTECT EXISTING STORM DITCH.
- 124 → REMOVE 6 INCHES OF STRIPPINGS FROM ROADWAY AREA AND COMPACT SUBGRADE PRIOR TO PLACING GEOTEXTILE FABRIC AND AGGREGATE BASE ROCK.

**9TH STREET & SOMMERVILLE LOOP
STREET IMPROVEMENTS**
FROM HAMMER STREET TO SOMMERVILLE LOOP
HARRISBURG, OREGON

revisions:	
date:	JULY 21, 2022
drawn by:	GAM
designer:	GAM
project no:	21-009A

EX. CONDITIONS
& DEMOLITION
PLAN
9TH STREET

sheet:
C2



CONSTRUCTION NOTES

- 100 → POTHOLE EXISTING UTILITY LINE AND VERIFY LOCATION, DEPTH, MATERIAL AND SIZE. NOTIFY ENGINEER OF ANY DISCREPANCIES.
- 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.
- 107 → PROTECT EXISTING PUBLIC WATER MAIN.
- 108 → PROTECT EXISTING FIRE HYDRANT, VALVE AND CONCRETE PAD.
- 109 → EXISTING WATER VALVE TO BE ADJUSTED. SEE SHEET C4.
- 110 → PROTECT EXISTING STORM LINE/CULVERT.
- 112 → REMOVE EXISTING STORM CULVERT.
- 113 → PROTECT EXISTING SANITARY SEWER LINE/CLEANOUT.
- 114 → EXISTING POWER POLE AND/OR POWER POLE AND ANCHOR TO BE RELOCATED. COORDINATE WORK WITH PACIFIC POWER (ELKE VATH 541-967-6160).
- 115 → PROTECT EXISTING GAS LINE. CONTACT NORTHWEST NATURAL GAS (541-926-4253) IF CONFLICTS OCCUR.
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9TH STREET & SOMMERVILLE LOOP
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& DEMOLITION
PLAN
SOMMERVILLE LP

sheet:

C3

project title:

9TH STREET & SOMMERVILLE LOOP STREET IMPROVEMENTS

FROM HAMMER STREET TO SOMMERVILLE LOOP
HARRISBURG, OREGON

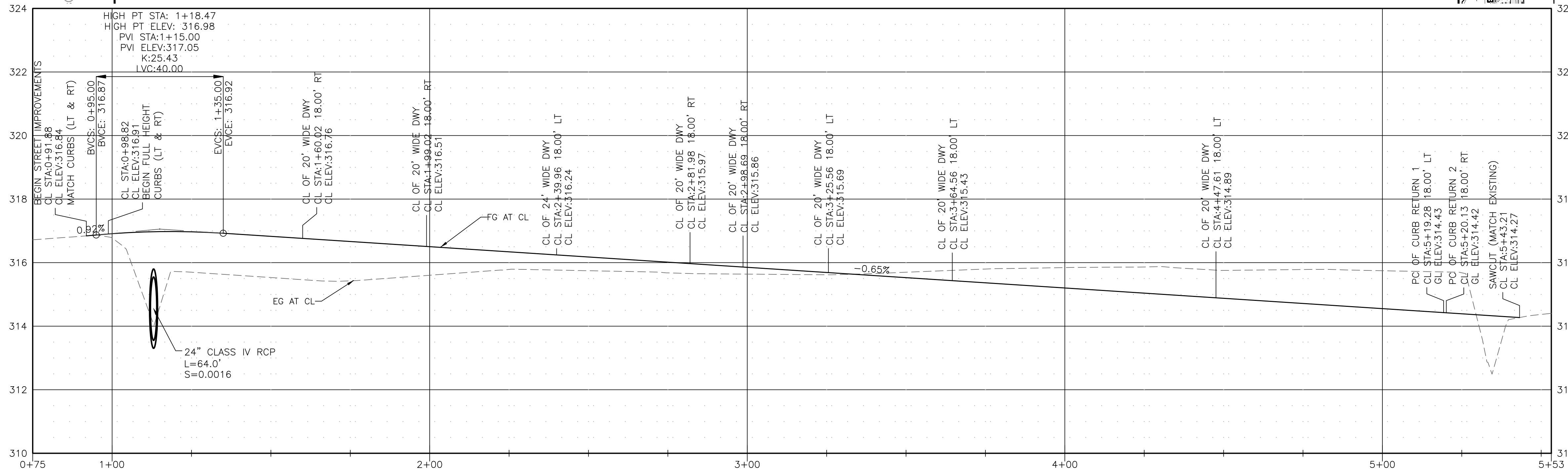
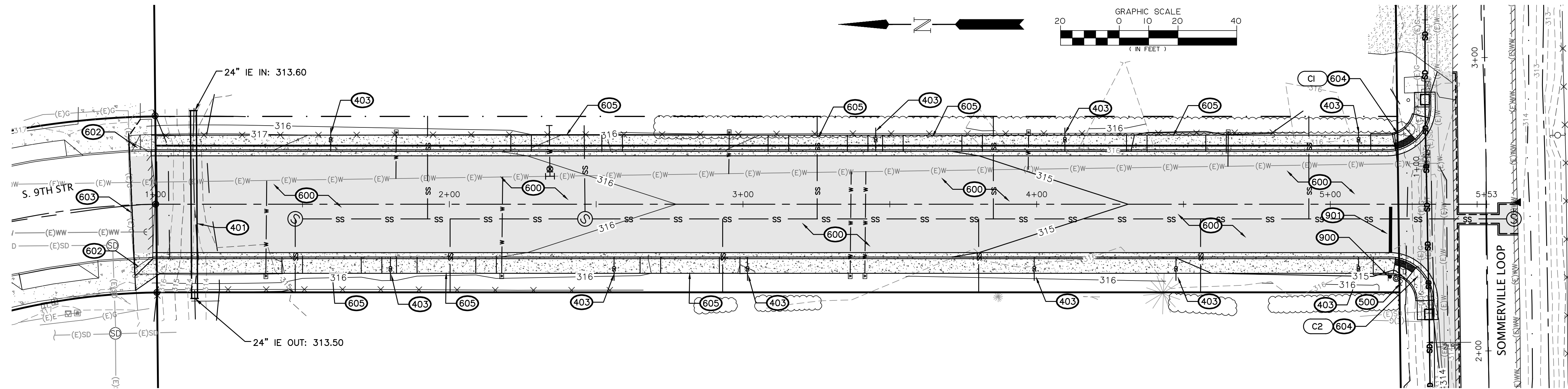
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9TH STREET PLAN & PROFILE

sheet:

C4

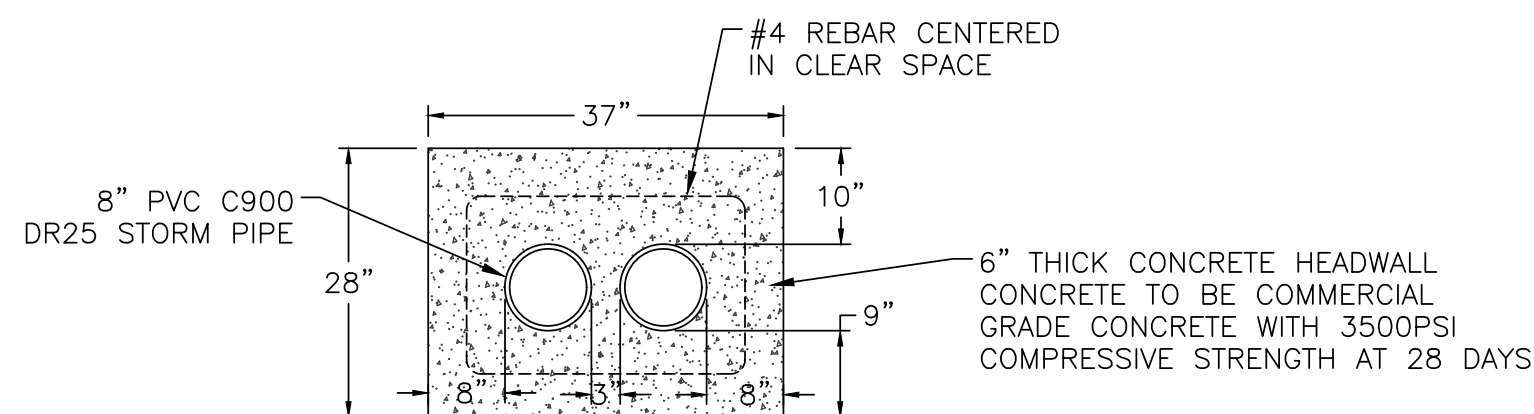


9TH STREET PROFILE
SCALE: HORZ: 1" = 20' VERT: 1" = 2'

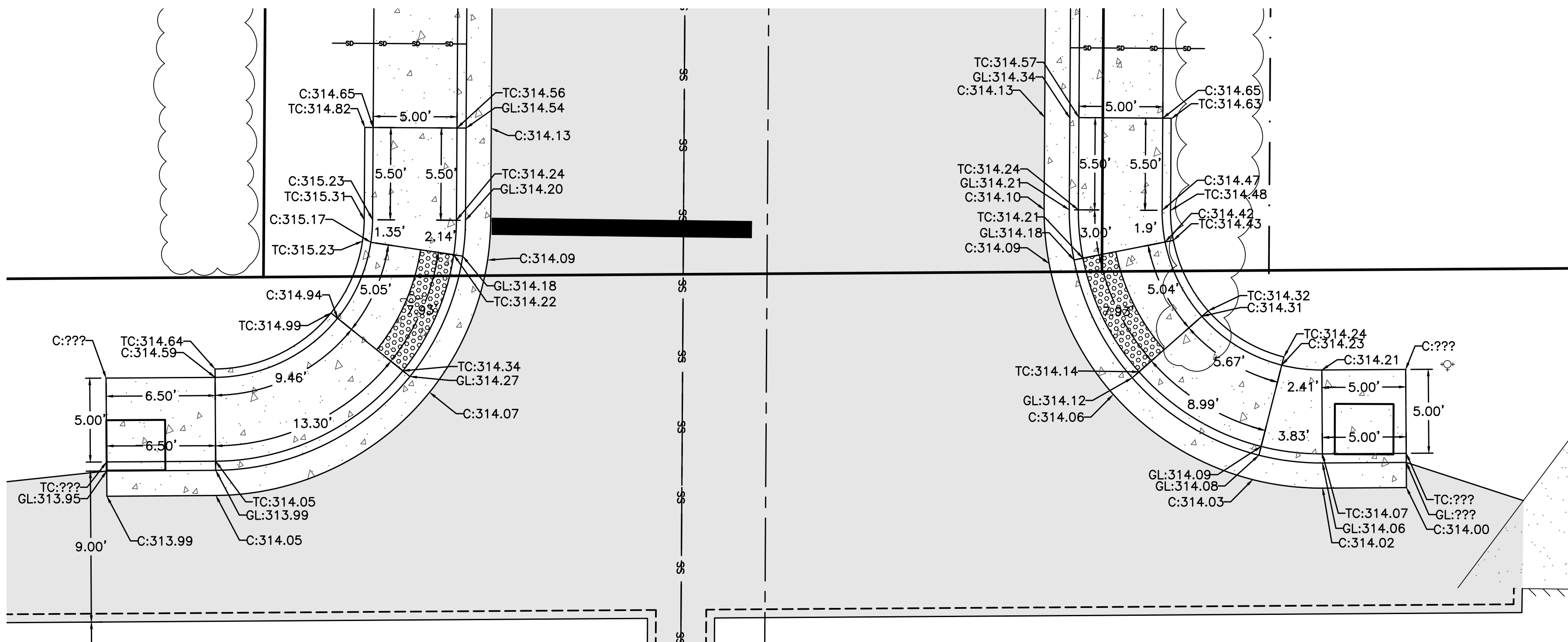
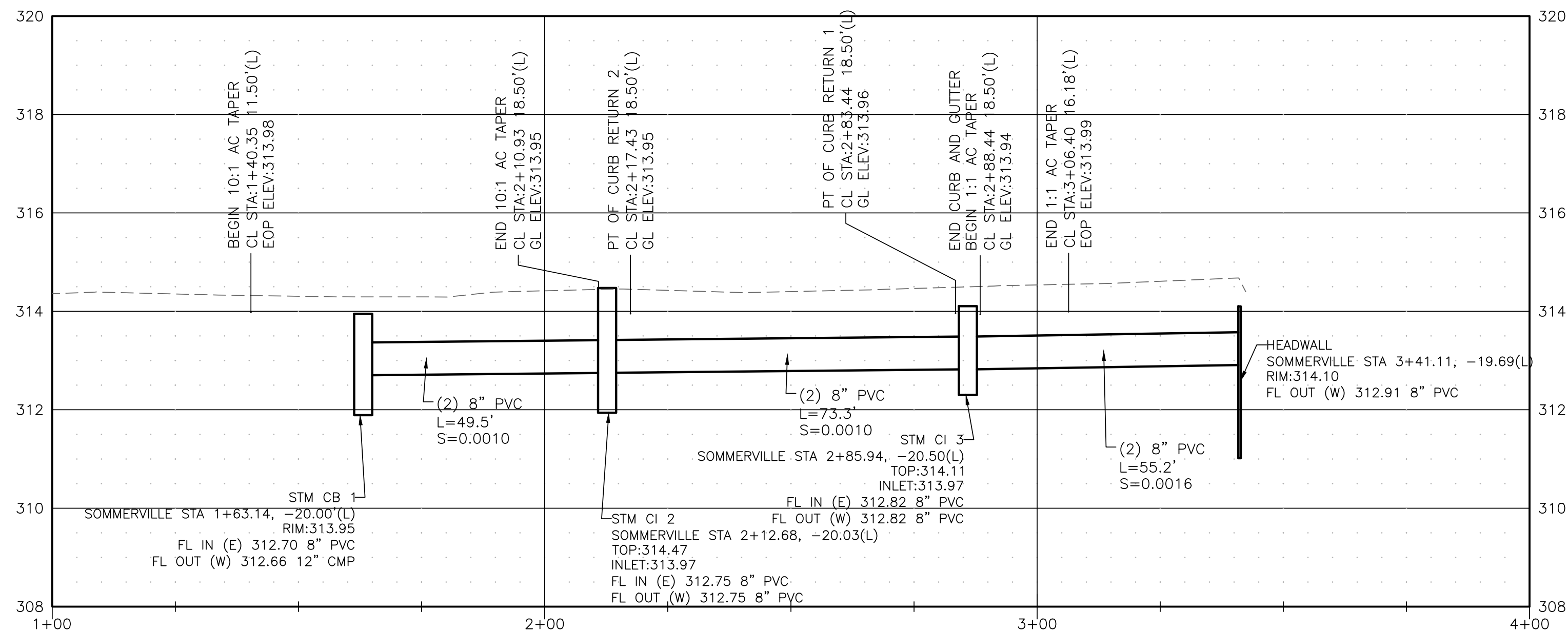
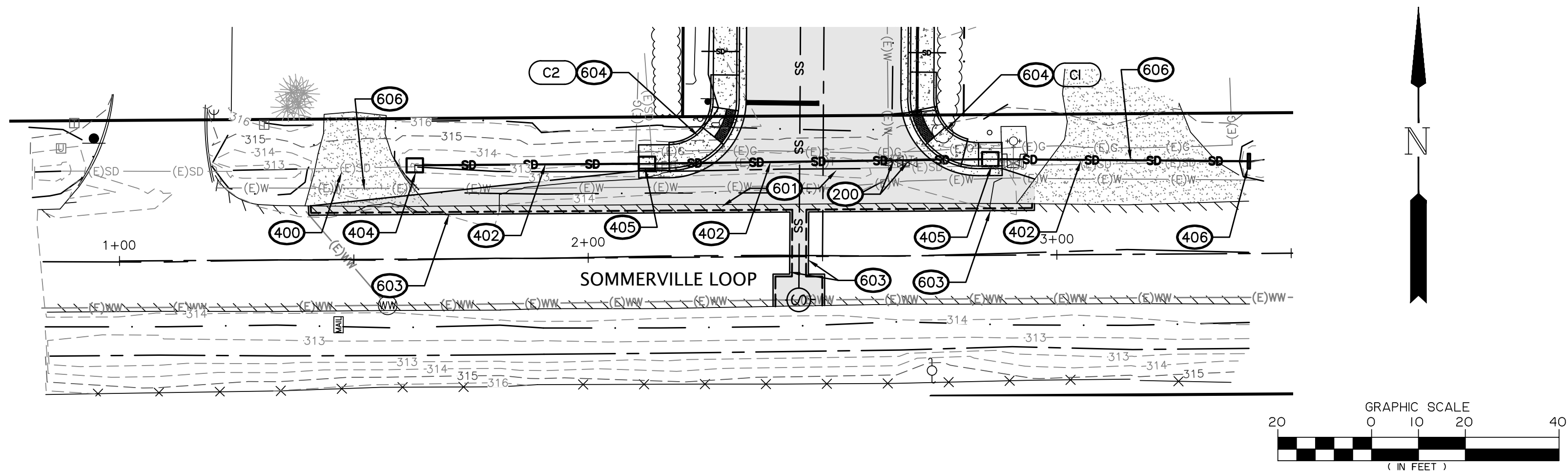
CONSTRUCTION NOTES

- 401 → FURNISH AND INSTALL 24" ASTM C76 REINFORCED CONCRETE PIPE CULVERT. MITER PIPE ENDS TO MATCH SIDE SLOPE CLASS B BEDDING AND BACKFILL. SEE ODOT STD DWG RD300.
- 403 → FURNISH AND INSTALL 3" PVC SCH40 ROOF DRAIN TO WEEP HOLE. CONNECT TO EXISTING USING APPROPRIATE FITTINGS.
- 600 → RELOCATED POWER POLE. COORDINATE WORK WITH PACIFIC POWER (ELKE VATH 541-967-6160).
- 600 → CONSTRUCT 9TH STREET PAVEMENT SECTION, SIDEWALK, CURB AND SIDEWALK PER TYPICAL SECTION, SHEET C1.
- 602 → RECONSTRUCT CONCRETE DRIVEWAY WINGS 6" THICK OVER 4" OF 1"-0" CRUSHED QUARRY ROCK.
- 603 → SEAL PAVEMENT JOINT. TACK COAT EXISTING PAVEMENT EDGES. THE MATCHLINE TO EXISTING PAVING SHALL COMPLY WITH ODOT STD DWG RD302.
- 604 → CONSTRUCT CURB RETURN WITH ADA RAMPS INCLUDING TRUNCATED DOME. PLACE 4" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK. SEE SHEETS C5 FOR CURB RETURN DETAILS WITH DIMENSIONS AND SPOT ELEVATIONS.
- 605 → CONSTRUCT CONCRETE DRIVEWAY PER ODOT STD DWG RD750 OPTION N. PLACE 6" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK.
- 900 → CONTRACTOR TO INSTALL NEW 30"x30" ALUMINUM STOP SIGN PER MUTCD R1-1 AND STREET SIGNS PER MUTCD D3-1 ON 2"-12 GAUGE P.S.S.T. POST PER OREGON STANDARD DRAWINGS TM200, TM223, TM681 AND TM687.
- 901 → CONTRACTOR TO FURNISH AND INSTALL ONE FOOT WIDE, WHITE BH-5 THERMOPLASTIC STOP BAR BY LANE WIDTH SHOWN PER OREGON STANDARD DRAWINGS TM503 AND TM530.

- 200 — CONTRACTOR TO ADJUST EXISTING WATER VALVES TO FINISHED GRADE.
- 400 — EXISTING STORM LINE TO REMAIN IN SERVICE.
- 402 — FURNISH AND INSTALL TWO (2) 8" PVC C900 DR-25 STORM LINE. 3" MINIMUM SPACING BETWEEN PIPES. CLASS E BEDDING AND BACKFILL. SEE ODOT STD DWG RD300.
- 404 — CONSTRUCT TYPE 3 CONCRETE CATCH BASIN OVER EXISTING STORM PIPE PER ODOT STD DWG RD378. SEE PROFILE FOR RIM AND PIPE ELEVATIONS.
- 405 — CONSTRUCT CG-3 CONCRETE CURB INLET BASE WITH CONCRETE INLET TOP OPTION 1 PER ODOT STD DWG RD371 AND RD372. SEE PROFILE FOR RIM AND PIPE ELEVATIONS.
- 406 — CONSTRUCT CONCRETE HEADWALL PER DETAIL THIS SHEET.
- 601 — CONSTRUCT SOMMERVILLE LOOP PAVEMENT SECTION PER TYPICAL SECTION, SHEET C1.
- 603 — SEAL PAVEMENT JOINT. TACK COAT EXISTING PAVEMENT EDGES. THE MATCHLINE TO EXISTING PAVING SHALL COMPLY WITH ODOT STD DWG RD302.
- 604 — CONSTRUCT CURB RETURN WITH ADA RAMPS INCLUDING TRUNCATED DOME. PLACE 4" MINIMUM THICKNESS OF 1"-0" CRUSHED QUARRY ROCK. SEE SHEETS C5 FOR CURB RETURN DETAILS WITH DIMENSIONS AND SPOT ELEVATIONS.
- 606 — REGRADE GRAVEL AS REQUIRED TO MATCH NEW A.C.



3 Stormwater Headwall Detail
C5 SCALE: N.T.S.



C182 **Sommerville Loop & 9th - NW & NE ADA Ramps**
C5 SCALE: 1"=5'

9TH STREET & SOMMERVILLE LOOP STREET IMPROVEMENTS

FROM HAMMER STREET TO SOMMERVILLE LOOP
HARRISBURG, OREGON

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SOMMERVILLE LOOP PLAN & PROFILE

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C5



EXPIRES: DECEMBER 31, 2022

project title:

9TH STREET & SOMMERVILLE LOOP STREET IMPROVEMENTS

FROM HAMMER STREET TO SOMMERVILLE LOOP
HARRISBURG, OREGON

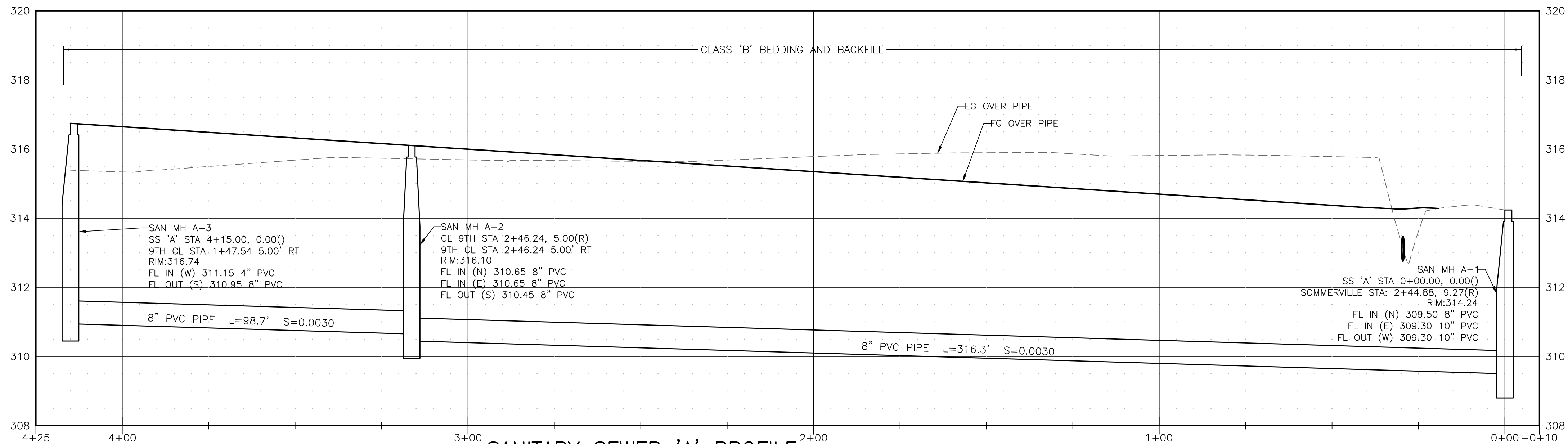
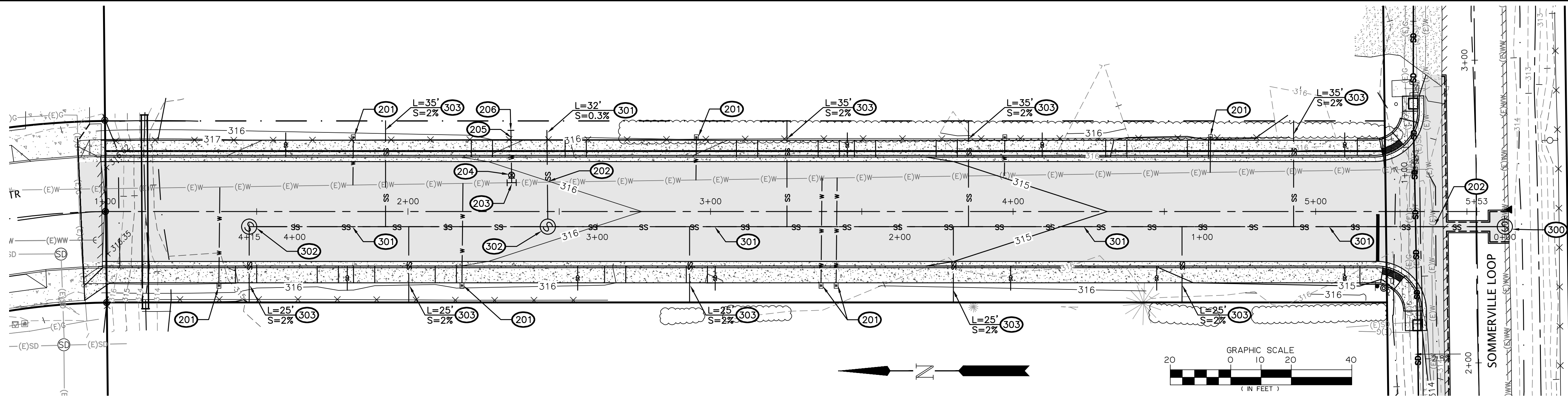
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designer: GAM
project no: 21-009A

9TH STREET WATER AND WASTEWATER PLAN & PROFILE

sheet:

C6



SANITARY SEWER 'A' PROFILE
SCALE: HORZ: 1" = 20' VERT: 1" = 2'

CONSTRUCTION NOTES

- (201) → 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"x1-3/8" 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.
- (202) → WATER AND SANITARY SEWER CROSSING TO BE IN ACCORDANCE WITH OAR 333-061-0050 (9).
- (203) → HOT TAP EXISTING 12" WATERLINE WITH TAPPING SLEEVE (12"x8" MUELLER WITH MECHANICAL JOINT TAPPING SLEEVE OR APPROVED EQUAL) AND 8" TAPPING VALVE (MUELLER RESILIENT WEDGE TAPPING VALVE OR APPROVED EQUAL). PROVIDE MECHANICAL JOINT THRUST RESTRAINT.
- (204) → FURNISH AND INSTALL WATER VALVE BOX PER ODOT STD DWG RD258.
- (205) → FURNISH AND INSTALL 8" PVC C-900 DR18 WATERLINE. WATERLINE TRENCH PER ODOT STD DWG RD300. BEDDING AND BACKFILL TO BE CRUSHED QUARRY ROCK. DEFLECT PIPE AS REQUIRED TO ACHIEVE ALIGNMENT. PROVIDE MECHANICAL JOINT THRUST RESTRAINT. MINIMUM 36" OF COVER.
- (206) → FURNISH AND INSTALL BLOW OFF PER ODOT STD DWG RD262. RESTRAIN ALL JOINTS WITHIN 80 FEET OF BLIND FLANGE.
- (300) → CONTRACTOR TO FURNISH AND INSTALL 48" DIAMETER SANITARY SEWER MANHOLE OVER EXISTING 12" SANITARY SEWER LINE PER ODOT STANDARD DRAWING RD338.
- (301) → FURNISH AND INSTALL 8" PVC D3034 SANITARY LINE WITH TYPE 'B' BACKFILL PER ODOT STANDARD DRAWING RD300.
- (302) → CONTRACTOR TO FURNISH AND INSTALL 48" DIAMETER SANITARY SEWER MANHOLE PER ODOT STANDARD DRAWING RD338.
- (303) → CONTRACTOR TO FURNISH AND INSTALL 4" SANITARY SEWER LATERAL (PVC D3034) WITH CLASS 'B' BEDDING AND BACKFILL PER ODOT STANDARD DRAWING RD300.
- (304) → FURNISH AND INSTALL CAP IN END OF SANITARY MAIN AND MARK WITH A 2"x4" STAKE PAINTED WHITE.