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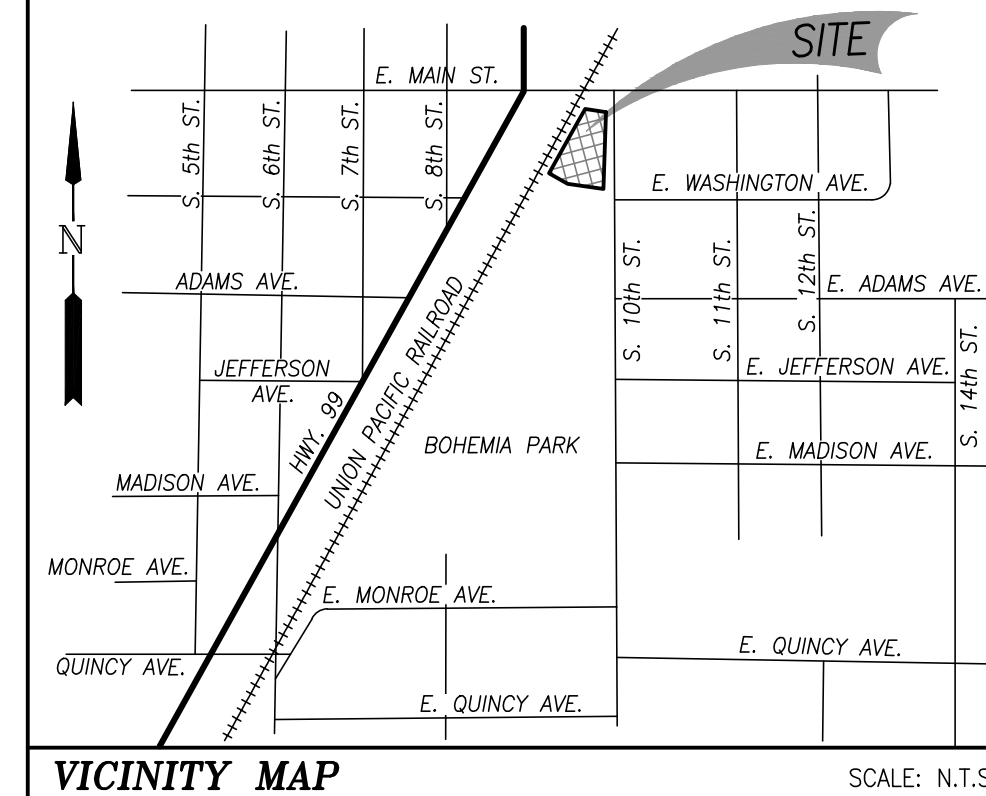
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BOHEMIA PARK EXPANSION

CITY OF COTTAGE GROVE

101 SOUTH 10TH STREET
COTTAGE GROVE, OREGON

EDA AWARD NUMBER: 07-79-07918; URI:118958



SITE DATA

PROPERTY DESCRIPTION
LANE COUNTY TAX MAP 20-03-28-34
TAX LOT 11600

PROJECT LOCATION

101 SOUTH 10TH ST.
COTTAGE GROVE, OREGON
SITE AREA = 14.6 ACRES

SITE INFORMATION

LIMITS OF DISTURBANCE <1.0 ACRE

OWNER/APPLICANT

CITY OF COTTAGE GROVE
400 E. MAIN STREET
COTTAGE GROVE, OREGON 97424
PHONE: (541) 942-3349
EMAIL: PWDIRECTOR@COTTAGEGROVE.ORG

UTILITY REPRESENTATIVES

ELECTRICAL

PACIFIC POWER COTTAGE GROVE DISTRICT
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P.O. BOX 248
ALBANY, OR 97322
PHONE: (541) 967-6160
EMAIL: ELKE.VATH@PACIFICORP.COM

EMERALD PEOPLE'S UTILITY DISTRICT (EPUD)
CONTACT: JOHN NORRENA
33733 SEAVEY LOOP ROAD
EUGENE, OR 97405-9614
PHONE: (541) 735-4366
EMAIL: JOHNN@EPUD.ORG

SURVEY DATUMS

HORIZONTAL: OREGON COORDINATE REFERENCE SYSTEM – EUGENE PROJECTION 2011 (EPOCH 2010)

VERTICAL: ELEVATIONS ARE BASED ON RTK GPS OBSERVATIONS USING THE OREGON REAL-TIME GEODETIC NETWORK AND GEOID 12A(NAVD88).

DESIGN TEAM

CIVIL ENGINEER

BRANCH ENGINEERING, INC.
CONTACT: DAMIEN GILBERT, P.E.
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STRUCTURAL ENGINEER

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LANDSCAPE ARCHITECT

DOUGHERTY LANDSCAPE ARCHITECTS
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CONTACT: MARK STANFIELD
PHONE: (541) 458-0097
EMAIL: MARK.STANFIELD@CHARTER.COM
OR
CONTACT: SHANE QUIMBY
PHONE: (541) 228-7521
EMAIL: SHANE.QUIMBY@CHARTER.COM

WATER, SANITARY, STORM SEWER & CITY FIBER OPTICS

CITY OF COTTAGE GROVE
CONTACT: GREG GRISWELL, PUBLIC WORKS SUPERVISOR
400 E MAIN STREET
COTTAGE GROVE, OR 97424
PHONE: (541) 942-3024
EMAIL: UTILITIES@COTTAGEGROVE.ORG

ENERGY CODE COMPLIANCE

BUILDING ENVELOPE IS SHOWN HEREIN AS MEETING THE REQUIREMENTS FOR SEMI-HEATED SPACE USING ASHRAE 90.1-2019 PRESCRIPTIVE BUILDING ENVELOPE COMPLIANCE PATH.

BUILDING ENVELOPE REQUIREMENTS
CLIMATE ZONE 4C – SEMI-HEATED

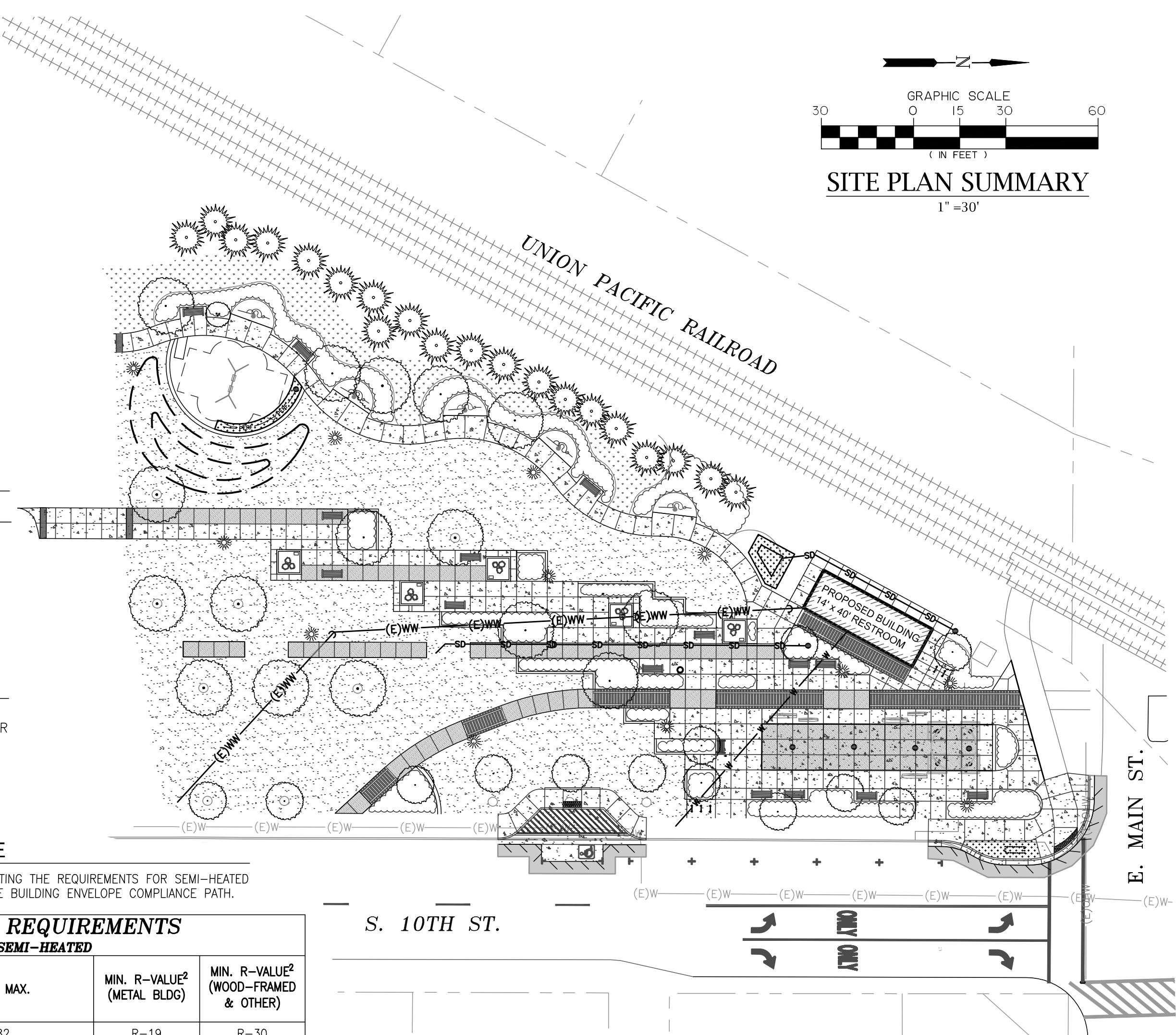
OPAQUE ELEMENT 1	ASSEMBLY MAX.	MIN. R-VALUE ² (METAL BLDG)	MIN. R-VALUE ² (WOOD-FRAMED & OTHER)
ROOF	U-0.082	R-19	R-30
WALLS, ABOVE GRADE	U-0.162	R-13	R-13
SLAB-ON-GRADE FLOOR – UNHEATED	F-0.730	NR	NR
OPAQUE SWINGING DOOR	U-0.370		
OPAQUE NON-SWINGING DOOR	U-0.360		
VERTICAL FENESTRATION 0-40% OF WALL	ASSEMBLY MAX. U	ASSEMBLY MAX. SHGC	ASSEMBLY MIN. VT/SHGC
FIXED	0.50		
OPERABLE	0.65	NR (FOR ALL TYPES)	NR (FOR ALL TYPES)
ENTRANCE DOOR	0.77		
SKYLIGHT 0-3% OF ROOF	ASSEMBLY MAX. U	ASSEMBLY MAX. SHGC	ASSEMBLY MIN. VT/SHGC
ALL TYPES	0.75	NR	NR

1. SEE SHEET A501 FOR ASSEMBLY DETAILS.

2. SEMIEXTERIOR BUILDING ENVELOPE PER ASHRAE 90.1-2019 5.5.2

SEMI-HEATED SPACE NOTES (ASHRAE STANDARD 90.1-2019 3.2 DEFINITIONS – SPACE):

- HEATING SYSTEM OUTPUT CAPACITY SHALL BE LESS THAN 8 BTU/hr/ft² (TABLE 3.2)
- COOLING SYSTEM OUTPUT CAPACITY SHALL BE LESS THAN 3.4 BTU/hr/ft²



STATEMENT OF SPECIAL INSPECTION

TABLE 1705.3

REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION

TYPE	CONT.	PERIODIC	REFERENCED STANDARD
1. INSPECT REINFORCEMENT AND VERIFY PLACEMENT.		X	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3
3. INSPECT ANCHORS CAST IN CONCRETE.		X	ACI 318: 17.8.2
4. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS. b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.		X	ACI 318: 17.8.2
5. VERIFY USE OF REQUIRED DESIGN MIX.		X	ACI 318: Ch. 19, 26.4.3, 26.4.4
6. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	X		ASTM C172 ASTM C31 ACI 318: 26.5, 26.12
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		X	ACI 318: 26.5.3-26.5.5
12. INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED.		X	ACI 318: 26.11.1.2(b)

TABLE 1705.6

REQUIRED SPECIAL INSPECTIONS AND TESTS OF SOILS

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



REVISIONS:

No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE
BOHEMIA PARK EXPANSION

COVER

Sheet No. **G001**

Job No. 22-001K

DRAWN BY: JLB, JJA CHECKED BY: RH DATE: 04/10/24

Z:\2022\22-001K - 0005 - Revision - Building\Drawings\STRUCT\22-001K - 0005-001.dwg 4/11/2024 2:58 PM zshelton

GENERAL CONSTRUCTION NOTES

- ALL MATERIALS AND WORKMANSHIP OF ITEMS TO BE MAINTAINED BY THE CITY OF COTTAGE GROVE WITHIN PUBLIC EASEMENTS OR STREET RIGHT-OF-WAYS SHALL MEET CURRENT CITY OF COTTAGE GROVE PUBLIC WORKS SPECIFICATIONS. ALL MATERIALS AND WORKMANSHIP OF IMPROVEMENTS THAT WILL BE PRIVATELY OWNED AND MAINTAINED WILL BE BOUND BY THE CURRENT REQUIREMENTS OF THE STATE OF OREGON AMENDMENTS TO THE UNIFORM PLUMBING CODE CURRENT EDITION, OR CITY OF COTTAGE GROVE BUILDING DIVISION REQUIREMENTS.
- ALL WORK SHALL MEET THE FOLLOWING SPECIFICATIONS "2024 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION" AND THE "2024 OREGON STANDARD DRAWINGS" AND THE SPECIALS SET FORTH IN THE PROJECT MANUAL FOR THIS PROJECT.
- CONTRACTOR SHALL PROCURE, AND CONFORM TO ALL CONSTRUCTION PERMITS REQUIRED BY THE CITY OF COTTAGE GROVE.
- 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).
- CONTRACTOR TO NOTIFY CITY AND ALL UTILITY COMPANIES A MINIMUM OF 48 BUSINESS HOURS (2 BUSINESS DAYS) PRIOR TO START OF CONSTRUCTION, AND COMPLY WITH ALL OTHER NOTIFICATION REQUIREMENTS OF AGENCIES WITH JURISDICTION OVER THE WORK.
- 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.
- 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 AUTHORITY (OHA) AND THE OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ).
- UNLESS OTHERWISE APPROVED BY THE PUBLIC WORKS DIRECTOR, CONSTRUCTION OF ALL PUBLIC FACILITIES SHALL BE DONE BETWEEN 7:00 A.M. AND 7:00 P.M., MONDAY THROUGH FRIDAY.
- 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.
- ANY INSPECTION BY THE CITY OR OTHER AGENCIES SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE CONTRACT DOCUMENTS, APPLICABLE CODES, AND AGENCY REQUIREMENTS.
- CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF APPROVED DRAWINGS ON THE CONSTRUCTION SITE AT ALL TIMES WHEREON HE WILL RECORD ALL APPROVED DEVIATIONS IN CONSTRUCTION FROM THE APPROVED DRAWINGS, AS WELL AS THE STATION LOCATIONS AND DEPTHS OF ALL EXISTING UTILITIES ENCOUNTERED. THESE FIELD RECORD DRAWINGS SHALL BE KEPT UP TO DATE AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION BY THE CITY OR DESIGN ENGINEER'S REPRESENTATIVE UPON REQUEST. FAILURE TO CONFORM TO THIS REQUIREMENT MAY RESULT IN DELAY IN PAYMENT AND/OR FINAL ACCEPTANCE OF THE PROJECT.
- 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.
- CONTRACTOR SHALL PROVIDE EROSION CONTROL MEASURES AS NEEDED DURING CONSTRUCTION WITH A MINIMUM EROSION CONTROL OF INLET PROTECTION. THE CONTRACTOR SHALL CONSULT WITH THE CITY FOR ADDITIONAL EROSION CONTROL MEASURES IN EXTREMELY WET WEATHER CONDITIONS.
- THE CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A REGISTERED CIVIL ENGINEER AND/OR LAND SURVEYOR LICENSED IN THE STATE OF OREGON TO ESTABLISH CONSTRUCTION CONTROL AND PERFORM INITIAL CONSTRUCTION SURVEYS TO ESTABLISH THE LINES AND GRADES OF IMPROVEMENTS AS INDICATED ON THE DRAWINGS. STAKING FOR BUILDINGS, STRUCTURES, CURBS, GRAVITY DRAINAGE PIPES/STRUCTURES AND OTHER CRITICAL IMPROVEMENTS SHALL BE COMPLETED USING EQUIPMENT ACCURATE TO 0.04 FEET HORIZONTALLY AND 0.02 FEET VERTICALLY, OR BETTER. USE OF GPS EQUIPMENT FOR CONSTRUCTION STAKING OF THESE IMPROVEMENTS IS PROHIBITED. THE REGISTERED PROFESSIONAL SURVEYOR SHALL PROVIDE THE DESIGN ENGINEER WITH COPIES OF ALL GRADE SHEETS FOR CONSTRUCTION STAKING PERFORMED FOR THE PROJECT.
- CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, TRAFFIC CONES PER CITY OF COTTAGE GROVE REQUIREMENTS IN ACCORDANCE WITH THE MUTCD (INCLUDING OREGON AMENDMENTS). ACCESS TO DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES. ALL TRAFFIC CONTROL MEASURES SHALL BE APPROVED AND IN PLACE PRIOR TO ANY CONSTRUCTION ACTIVITY. PRIOR TO ANY WORK IN THE EXISTING PUBLIC RIGHT-OF-WAY, CONTRACTOR SHALL SUBMIT FINAL TRAFFIC CONTROL PLAN TO THE CITY FOR REVIEW AND ISSUANCE OF A LANE CLOSURE OR WORK IN RIGHT-OF-WAY PERMIT.
- 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.
- 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.
- 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.

- 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.
- 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.
- ALL FACILITIES SHALL BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR SHALL TAKE ALL PRECAUTIONS NECESSARY TO SUPPORT, MAINTAIN, OR OTHERWISE PROTECT EXISTING UTILITIES AND OTHER FACILITIES AT ALL TIMES DURING CONSTRUCTION. CONTRACTOR TO LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER-THAN-ORIGINAL CONDITION AND TO THE SATISFACTION OF THE CITY AND THE DESIGN ENGINEER.
- 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.
- 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.
- 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.
- 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.
- 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.
- CONTRACTOR SHALL SEED AND MULCH (UNIFORMLY BY HAND OR HYDROSEED) EXPOSED SLOPES AND DISTURBED AREAS WHICH ARE NOT SCHEDULED TO BE LANDSCAPED, INCLUDING TRENCH RESTORATION AREAS. IF THE CONTRACTOR FAILS TO APPLY SEED AND MULCH IN A TIMELY MANNER DURING PERIODS FAVORABLE FOR GERMINATION, OR IF THE SEEDED AREAS FAIL TO GERMINATE, THE OWNER REPRESENTATIVE MAY (AT HIS DISCRETION) REQUIRE THE CONTRACTOR TO INSTALL SOD TO COVER SUCH DISTURBED AREAS.
- ALL TAPPING OF EXISTING MUNICIPAL SANITARY SEWER, STORM DRAIN MAINS, AND MANHOLES MUST BE DONE BY CONTRACTOR FORCES.
- 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.
- ALL PIPES SHALL BE BEDDED WITH MINIMUM 6-INCHES OF 3/4"-0 CRUSHED ROCK BEDDING AND BACKFILLED WITH COMPACTED 3/4"-0 CRUSHED ROCK IN THE PIPE ZONE (CRUSHED ROCK SHALL EXTEND A MINIMUM OF 12-INCHES OVER THE TOP OF THE PIPE IN ALL CASES). CRUSHED ROCK OR CDF TRENCH BACKFILL SHALL BE USED UNDER ALL IMPROVED AREAS, INCLUDING PAVEMENT, SIDEWALKS, FOUNDATION SLABS, BUILDINGS, ETC. IN ACCORDANCE WITH THE PLANS & SPECIFICATIONS. GRANULAR TRENCH BACKFILL SHALL BE COMPACTED TO 95% IN ROADWAYS AND 92% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR) OUTSIDE OF ROADWAYS.
- GRANULAR TRENCH BEDDING AND BACKFILL SHALL CONFORM TO THE REQUIREMENTS OF OSSC (ODOT/APWA) 02630.10 (DENSE GRADED BASE AGGREGATE), 3/4"-0. UNLESS OTHERWISE SHOWN ON THE DRAWINGS, COMPACT GRANULAR BACKFILL TO 95% IN ROADWAYS AND 92% OF THE MAXIMUM DRY DENSITY PER AASHTO T-180 TEST METHOD (MODIFIED PROCTOR) OUTSIDE OF ROADWAYS.
- 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.
- 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.
- ALL NON-METALLIC WATER, SANITARY AND STORM SEWER PIPING SHALL HAVE AN ELECTRICALLY CONDUCTIVE INSULATED 12 GAUGE, SOLID STRAND COPPER TRACER WIRE THE FULL LENGTH OF THE INSTALLED PIPE USING BLUE WIRE FOR WATER AND GREEN WIRE FOR STORM AND SANITARY PIPING. TRACER WIRE SHALL BE EXTENDED UP INTO ALL VALVE BOXES, CATCH BASINS, MANHOLES AND LATERAL CLEANOUT BOXES. TRACER WIRE PENETRATIONS INTO MANHOLES SHALL BE WITHIN 18 INCHES OF THE RIM ELEVATION AND ADJACENT TO MANHOLE STEPS. THE TRACER WIRE SHALL BE TIED TO THE TOP MANHOLE STEP OR OTHERWISE SUPPORTED TO ALLOW RETRIEVAL FROM THE OUTSIDE OF THE MANHOLE.
- 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.
- CITY FORCES TO OPERATE ALL VALVES, INCLUDING FIRE HYDRANTS, ON EXISTING PUBLIC MAINS.
- ALL SANITARY SEWER MAINS SHALL BE D3034 SDR35 PVC. ALL FITTINGS 4-INCHES THROUGH 24-INCHES IN DIAMETER SHALL BE PER MANUFACTURERS RECOMMENDATIONS IN CONFORMANCE WITH ODOT STANDARD SPECIFICATIONS SECTION 00445.43.
- 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.

- CONTRACTOR SHALL REIMBURSE CITY FOR COSTS REQUIRED TO FLUSH, TEST AND DISINFECT WATERLINES PER PUBLIC AGENCY REQUIREMENTS.
- WHERE THE WATER LINE CROSSES OVER THE SEWER LINE BUT WITH A CLEARANCE OF LESS THAN 18-INCHES VERTICAL SEPARATION, IF THE WATER SUPPLIER DETERMINES THAT THE CONDITIONS ARE NOT FAVORABLE, THE SEWER LINE SHALL BE REPLACED WITH A FULL LENGTH OF PIPE CENTERED AT THE CROSSING POINT, OF PVC PRESSURE PIPE, HIGH DENSITY PE PIPE, DUCTILE-IRON CLASS 50, OR OTHER ACCEPTABLE PIPE; OR THE SEWER SHALL BE ENCASED IN A REINFORCED CONCRETE JACKET FOR A DISTANCE OF 10 FEET ON BOTH SIDES OF THE CROSSING IN ACCORDANCE WITH OAR 333-061-0050 AND LOCAL JURISDICTION REQUIREMENTS.
- CONTRACTOR TO PROVIDE TESTING OF SANITARY SEWER PIPE AND APPURTENANCES FOR LEAKAGE IN ACCORDANCE WITH TESTING SCHEDULE HEREIN OR THE CITY'S CONSTRUCTION STANDARDS, WHICHEVER ARE MORE STRINGENT. SANITARY SEWER PIPE AND APPURTENANCES SHALL BE TESTED FOR LEAKAGE.
- 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.
- ANY ABRUPT EDGE GREATER THAN 2 INCHES IN DEPTH, CLOSER THAN 4 FEET FROM AN ACTIVE TRAFFIC LANE, AND HAVING A DURATION OF EXPOSURE LONGER THAN 72 HOURS SHALL BE REQUIRED TO FOLLOW THE "TYPICAL ABRUPT EDGE SIGNING DETAIL" ON ODOT STANDARD DRAWING TM800.
- WHEN CONSTRUCTION ACTIVITIES BLOCK OR INTERFERE WITH THE NORMAL PEDESTRIAN ROUTING, PROVIDE SAFE PASSAGE FOR PEDESTRIANS THROUGH THE CONSTRUCTION AREA UTILIZING ODOT STANDARD DRAWING TM844 AND THE REQUIREMENTS OF THE CURRENT EDITION OF THE OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION (BLUE BOOK). REFER TO SUBSECTION 00220.02.
- SAWCUT SIDEWALK AT NEWEST CONTROL JOINT IF LOCATED WITHIN 2 FEET OF SAWCUT LINE SHOWN.

REQUIRED TESTING AND FREQUENCY TABLE		PARTY RESPONSIBLE FOR PAYMENT	
		CONTRACTOR	
STREETS, PARKING LOTS, PADS, FILLS, ETC			
ASPHALT	1 TEST/6,000 S.F./LIFT (4 MIN.)	X	SEE NOTE 2
PIPED UTILITIES, ALL			
TRENCH BACKFILL	1 TEST/200 FOOT TRENCH/LIFT (4 MIN.)	X	SEE NOTE 2
TRENCH AC RESTORATION	1 TEST/300 FOOT OF TRENCH (4 MIN.)	X	SEE NOTE 2
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 CITY.			
NOTE 3: IN ADDITION TO IN-PLACE DENSITY TESTING, THE SUBGRADE AND BASE ROCK SHALL BE PROOF ROLLED WITH A LOADED 10 YARD DUMP TRUCK PROVIDED BY THE CONTRACTOR. BASEROCK PROOFROLL SHALL TAKE PLACE IMMEDIATELY PRIOR TO (WITHIN 24 HOURS OF) PAVING, AND SHALL BE WITNESSED BY THE CITY'S AUTHORIZED REPRESENTATIVE OR APPROVING AGENCY. LOCATION AND PATTERN OF PROOFROLL TO BE DIRECTED BY SAID CITY'S REPRESENTATIVE OR APPROVING AGENCY.			
NOTE 4: TO BE WITNESSED BY THE CITY'S REPRESENTATIVE OR APPROVING AGENCY. THE CONTRACTOR SHALL PERFORM PRE-TESTS PRIOR TO SCHEDULING WATERLINE OR SANITARY SEWER PRESSURE TESTS, OR PIPELINE MANDREL TEST.			
NOTE 5: TO BE PERFORMED BY CITY OF COTTAGE GROVE. NOTIFY CITY OF COTTAGE GROVE PUBLIC WORKS FIVE (5) BUSINESS DAYS PRIOR TO REQUIRED TESTING.			

21/02/2024 12:00 PM Bohemia Park Expansion Drawings 1100 Percent 12:00 PM Bohemia Park Expansion 04/10/24 10:08 AM 4/11/2024 8:23 AM ZH007NZ

Digitally signed by Damien Gilbert
Date: 2024.04.11 18:04:41 -0700



REVISIONS:		
No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE BOHEMIA PARK EXPANSION			
GENERAL NOTES			Sheet No. C001
DRAWN BY: ZZ	CHECKED BY: DG	DATE: 04/10/24	JOB No. 22-001K

CONSTRUCTION AND DEMOLITION NOTES:

- (100) RETAIN AND PROTECT SURVEY MONUMENT.
- (101) CITY CREW TO REMOVE, SALVAGE, AND REINSTALL SIGN TO NEW LOCATION AS DIRECTED BY THE CITY OF COTTAGE GROVE PUBLIC WORKS DIRECTOR.
- (102) RETAIN AND PROTECT EXISTING FENCE.
- (103) PROTECT EXISTING ELECTRIC VAULT.
- (104) PROTECT EXISTING UTILITY POLE AND GUY ANCHOR.
- (105) PROTECT EXISTING UTILITY. ADJUST BOX TO FINISHED GRADE AS NEEDED PER PUBLIC IMPROVEMENT PLANS, SHEETS C300 & C301 AND GRADING & PAVING PLAN SHEET C201.
- (106) PROTECT EXISTING SIGN.
- (107) COORDINATE WITH OWNER FOR REMOVAL AND RELOCATION OF SIGN AS NECESSARY. CONFIRM IF OWNER WANTS SIGN REINSTALLED.
- (108) REMOVE EXISTING SHRUB.
- (109) PROTECT EXISTING AREA DRAIN. INSTALL SEDIMENT PROTECTION AT EXISTING AREA DRAIN.
- (110) REMOVE EXISTING TREE AND GRATE W/CONCRETE COLLAR. RETURN GRATE TO THE CITY OF COTTAGE GROVE.
- (111) PROTECT EXISTING WATER LINE.
- (112) PROTECT EXISTING STORMDRAIN LINE.
- (114) PROTECT EXISTING WATER OR IRRIGATION VALVE. ADJUST RIM TO FINISHED GRADE AS NEEDED PER PUBLIC IMPROVEMENTS PLANS, SHEETS C300 & C301 AND GRADING & PAVING PLAN SHEET C201.
- (115) PROTECT EXISTING CATCH BASIN. INSTALL SEDIMENT PROTECTION AT EXISTING CATCH BASIN.
- (116) PROTECT EXISTING OVERHEAD UTILITY LINE.
- (117) PROTECT EXISTING UNDERGROUND FIBER OPTIC LINE THAT IS 36" BELOW GRADE PER LUMEN.
- (120) SAWCUT EXISTING AC PAVEMENT. PROTECT SAWCUT EDGE FROM DAMAGE.
- (121) SAWCUT EXISTING CONCRETE. PROTECT SAWCUT EDGE FROM DAMAGE.
- (127) EXISTING UTILITY POLE (PPL 20-03 POLE INVENTORY #284206) TO BE REMOVED AND ELECTRICAL JUNCTION BOX, GUY ANCHOR, AND ELECTRIC CONDUITS TO BE RELOCATED. CONTRACTOR TO COORDINATE WORK WITH PACIFIC POWER (ELKE VATH 541-967-6160).
- (128) EXISTING UTILITY POLE (PPL 20-03 POLE INVENTORY #284109), GUY ANCHOR, AND ELECTRICAL CONDUITS TO BE RELOCATED. CONTRACTOR TO COORDINATE WORK WITH PACIFIC POWER (ELKE VATH 541-967-6160).
- (129) REMOVE "NO PARKING" SIGN AND RETURN TO THE CITY OF COTTAGE GROVE.
- (132) PROTECT EDGE OF PAVEMENT.
- (133) PROTECT EXISTING WASTEWATER LINE.
- (134) PROTECT EXISTING TREE.
- (905) INSTALL EDA PROJECT SIGN. CONTRACTOR SHALL SUPPLY, ERECT, AND MAINTAIN SIGN IN GOOD CONDITION DURING CONSTRUCTION ACCORDING TO EDA SITE SIGN SPECIFICATIONS.

LEGEND

EXISTING

- APPROX. PROPERTY LINE
- 647--- EXISTING CONTOUR
- CURB
- EDGE OF ASPHALT
- FENCE LINE
- CENTERLINE OF RAILROAD
- (E)OHW--- OVERHEAD WIRES
- W--- WATER LINE
- (E)SD--- STORM SEWER LINE
- (E)FO--- FIBER OPTIC LINE
- (E)WW--- WASTEWATER LINE

- CONCRETE
- GRAVEL
- WATER VALVE
- IRRIGATION VALVE
- WATER METER
- CATCH BASIN
- POWER POLE
- POWER POLE /w ARM
- GUY ANCHOR
- SIGN
- LIGHT POLE

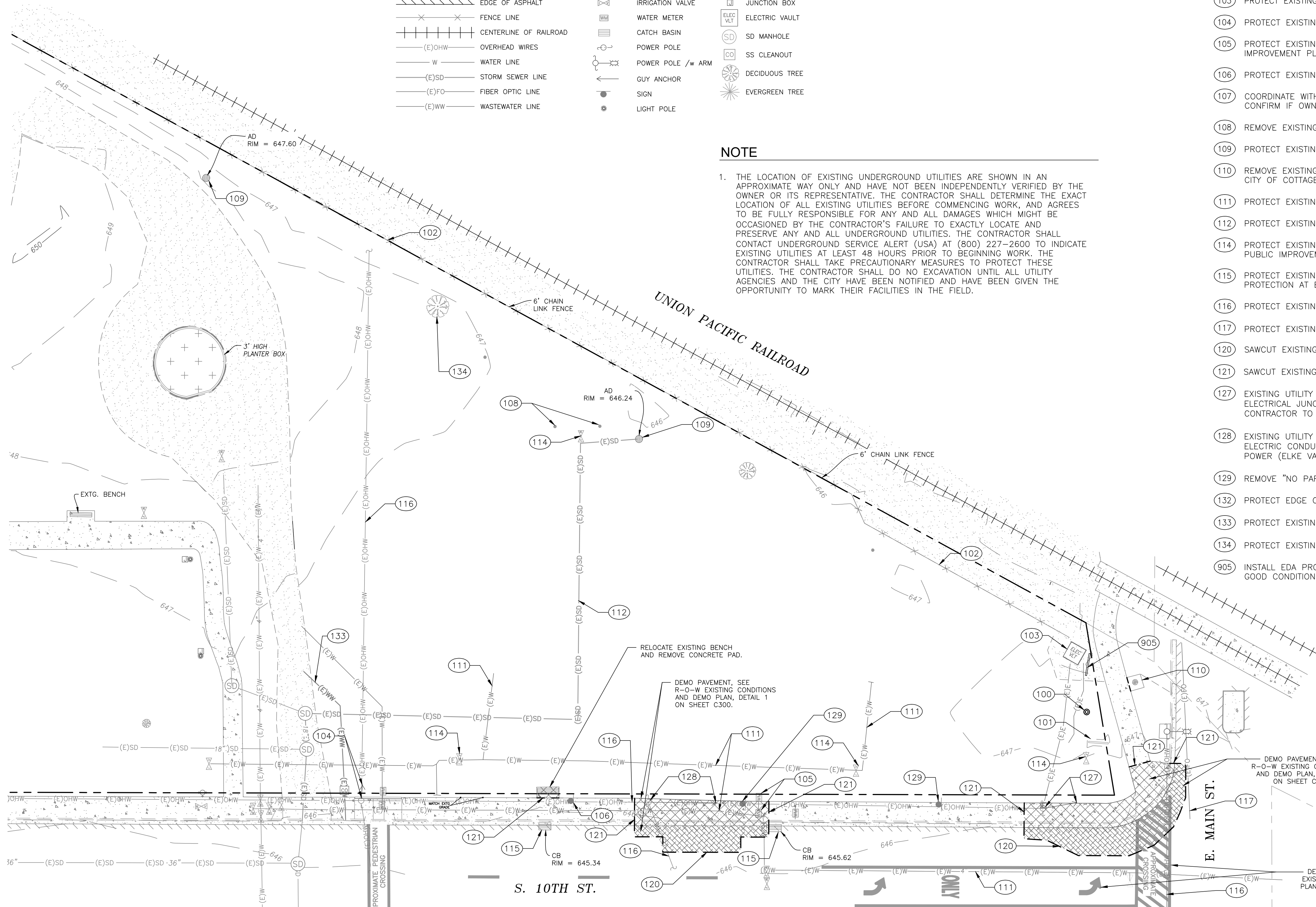
- 647.00 SPOT ELEVATION
- TL TAX LOT NUMBER
- ELECTRIC BOX
- JUNCTION BOX
- ELECTRIC VAULT
- SD MANHOLE
- SS CLEANOUT
- DECIDUOUS TREE
- EVERGREEN TREE

PROPOSED

- DEMO CONCRETE
- DEMO ASPHALT
- SAWCUT LINE

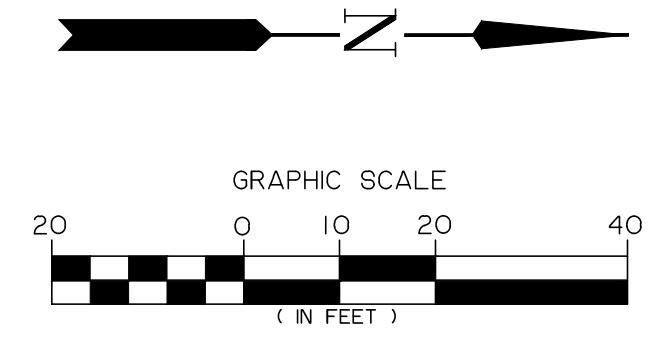
NOTE

1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 TO INDICATE EXISTING UTILITIES AT LEAST 48 HOURS PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THESE UTILITIES. THE CONTRACTOR SHALL DO NO EXCAVATION UNTIL ALL UTILITY AGENCIES AND THE CITY HAVE BEEN NOTIFIED AND HAVE BEEN GIVEN THE OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD.



ABBREVIATIONS

AC	ACRE(S)	EXTG.	EXISTING
AD	AREA DRAIN	PROP.	PROPOSED
BP	ALIGNMENT BEGINNING POINT	SAN	SANITARY
C	CONCRETE	IE	INVERT ELEVATION
CB	CATCH BASIN	ELEV.	ELEVATION
CL	CENTERLINE	FG	FINISHED GRADE
DCVA	DOUBLE CHECK VALVE ASSEMBLY	EG	EXISTING GRADE
BW	BACK OF WALK	ODOT	OREGON DEPARTMENT OF TRANSPORTATION
MAX.	MAXIMUM		
MH	MANHOLE	PT	ALIGNMENT POINT OF TANGENCY
MID	ALIGNMENT MID POINT		
MIN.	MINIMUM	R-0-W	RIGHT OF WAY
PSI	POUNDS PER SQUARE INCH	RG	RAIN GARDEN
STD.	STANDARD	TC	TOP OF CURB
DWG	DRAWING	SS	SANITARY SEWER
W/L	WATERLINE	SD	STORM DRAIN
EP	ALIGNMENT END POINT	STA	STATION
EX.	EXISTING	STM	STORM
		WW	WASTEWATER



P:\2022\22-001K Bohemia Park Expansion\Drawings\100 Permit\22-001K Bohemia Park Expansion_041024_100.dwg 4/17/2024 8:23 AM ZH0707Z

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

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

REVISIONS:

No.	DESCRIPTION	DATE

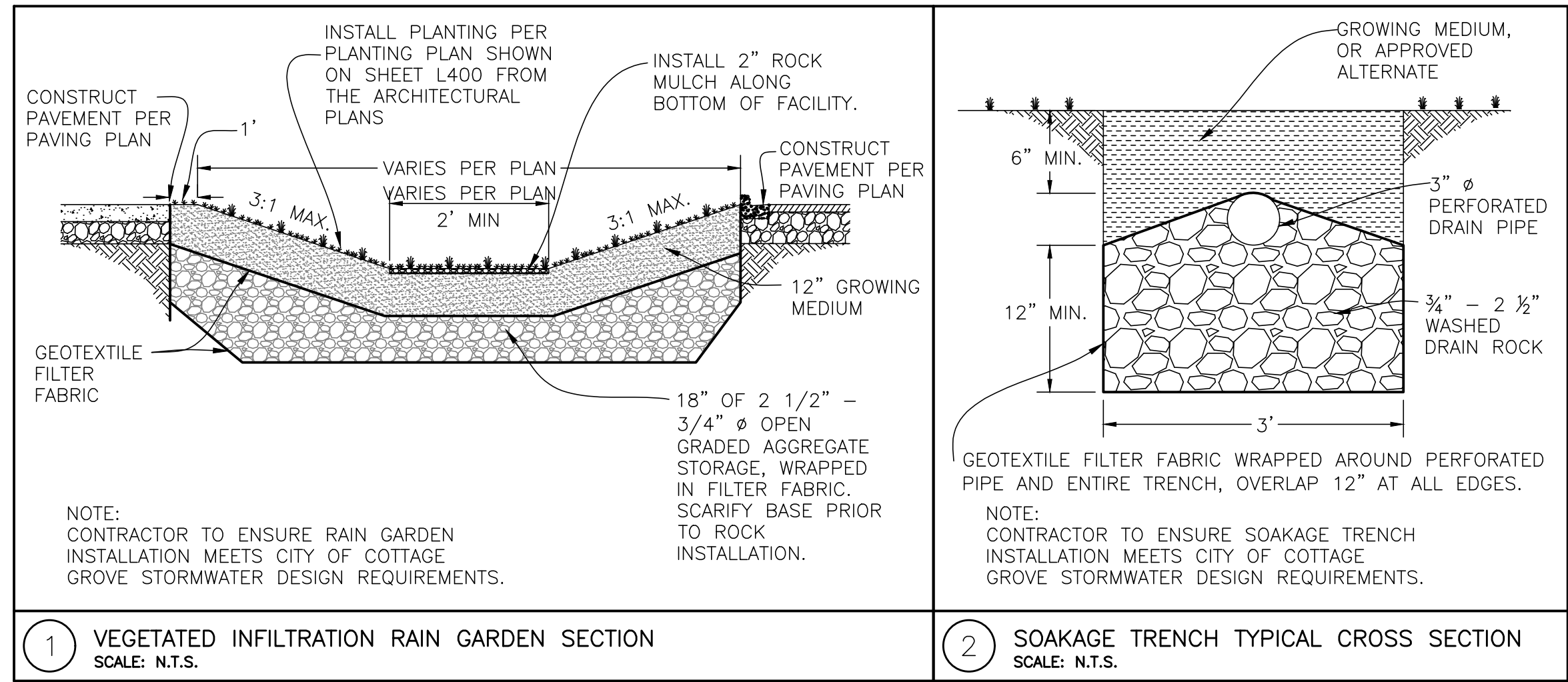
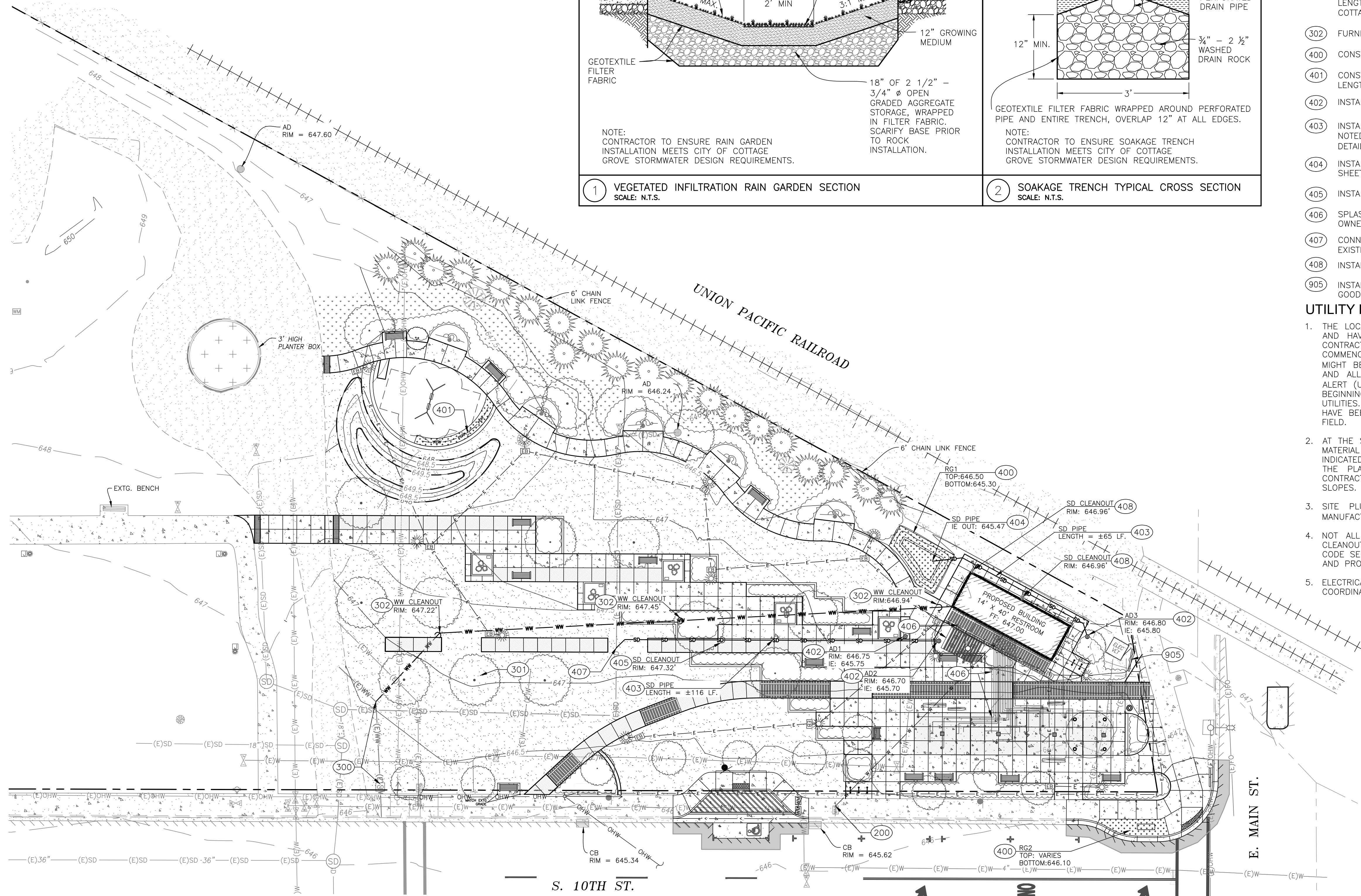
**CITY OF COTTAGE GROVE
BOHEMIA PARK EXPANSION**

EXISTING CONDITIONS AND DEMO PLAN

Sheet No. **C100**

DRAWN BY: ZZ CHECKED BY: DG DATE: 04/10/24

JOB No. 22-001K



- ### CONSTRUCTION NOTES
- 200 FURNISH AND INSTALL 2" DOMESTIC WATER LINE. TRENCH PER OREGON STANDARD DRAWING RD300 AND CITY OF COTTAGE GROVE DETAIL RD300(A) ON SHEET C400.
 - 300 CONTRACTOR SHALL POTHOLE TO VERIFY EXISTING WASTEWATER PIPE, SIZE, MATERIAL, AND DEPTH. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS OF PROPOSED CONNECTION TO THE EXISTING WASTEWATER CLEANOUT SERVICE LINE.
 - 301 FURNISH AND INSTALL 4" Ø WASTEWATER PIPE (PVC D3034) @ 2% SLOPE MIN., LENGTH = ±228 LF. TRENCH PER OREGON STANDARD DRAWING RD300 AND CITY OF COTTAGE GROVE DETAIL RD300(A) ON SHEET C400.
 - 302 FURNISH AND INSTALL WASTEWATER CLEANOUT PER CITY DETAIL 304 ON SHEET C400.
 - 400 CONSTRUCT STORMWATER RAIN GARDEN FACILITY PER DETAIL 1 ON THIS SHEET.
 - 401 CONSTRUCT SOAKAGE TRENCH AND INSTALL 3" Ø PERFORATED DRAIN PIPE @ 0% SLOPE, LENGTH = 15 LF., PER DETAIL 2 ON THIS SHEET.
 - 402 INSTALL AREA DRAIN PER DETAIL 3 ON SHEET C402. RIM ELEVATION AS NOTED.
 - 403 INSTALL NEW 4" Ø STORMWATER PIPE (PVC SCH. 40) @ 0.5% SLOPE MIN., LENGTH = AS NOTED. TRENCH PER OREGON STANDARD DRAWING RD300 AND CITY OF COTTAGE GROVE DETAIL RD300(A) ON SHEET C400.
 - 404 INSTALL RIP RAP OUTFALL PROTECTION PER OREGON STANDARD DRAWING RD317 ON SHEET C404.
 - 405 INSTALL CLEANOUT PER DETAIL 1 ON SHEET C402.
 - 406 SPLASH PAD PLUMBING AND FEATURES SHALL BE INSTALLED PER RAIN DECK PLANS. OWNER PROVIDED EQUIPMENT. CONTRACTOR TO INSTALL AND COORDINATE WITH OWNER.
 - 407 CONNECT PROPOSED 4" STORMWATER PIPE AND APPROVED COUPLINGS & FITTINGS TO EXISTING STORMWATER PIPE PER CITY OF COTTAGE GROVE PUBLIC WORKS REQUIREMENTS.
 - 408 INSTALL DOWNSPOUT CONNECTION & CLEANOUT PER DETAIL 4 ON SHEET C402.
 - 905 INSTALL EDA PROJECT SIGN. CONTRACTOR SHALL SUPPLY, ERECT, AND MAINTAIN SIGN IN GOOD CONDITION DURING CONSTRUCTION ACCORDING TO EDA SITE SIGN SPECIFICATIONS.

- ### UTILITY NOTES
1. THE LOCATION OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK, AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 227-2600 TO INDICATE EXISTING UTILITIES AT LEAST 48 HOURS PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THESE UTILITIES. THE CONTRACTOR SHALL DO NO EXCAVATION UNTIL ALL UTILITY AGENCIES AND THE CITY HAVE BEEN NOTIFIED AND HAVE BEEN GIVEN THE OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD.
 2. AT THE START OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION, ELEVATION AND MATERIAL TYPE FOR ALL EXISTING UNDERGROUND UTILITIES ON SITE, ACROSS THE SITE AND AT THE INDICATED POINTS OF CONNECTION. IF THE EXISTING CONDITIONS DIFFER FROM THAT SHOWN ON THE PLAN THE CONTRACTOR SHALL NOTIFY BRANCH ENGINEERING, INC. IMMEDIATELY. THE CONTRACTOR SHALL VERIFY THAT THE NEW UTILITY SERVICE WILL MEET THE INDICATED PIPE SLOPES.
 3. SITE PLUMBING SHALL CONFORM TO THE OREGON PLUMBING SPECIALTY CODE 2023 AND MANUFACTURER'S SPECIFICATIONS.
 4. NOT ALL CLEANOUTS FOR STORM AND WASTEWATER ARE SHOWN. CONTRACTOR SHALL ENSURE CLEANOUTS ARE INSTALLED WHERE NECESSARY TO MEET THE 2023 OREGON PLUMBING SPECIALTY CODE SECTIONS 707, 719, AND 1107.12. COORDINATE QUESTIONS AND INSPECTIONS WITH THE CITY AND PROJECT ENGINEER AS NECESSARY.
 5. ELECTRICAL AND COMMUNICATION UTILITIES SHALL BE SERVED BY PACIFIC POWER AND CHARTER. COORDINATE WITH SERVICE PROVIDERS FOR SERVICE CONNECTION POINTS AND CONDUIT PLAN.

LEGEND

PROPOSED

	1'-INTERVAL CONTOUR		UNDERGROUND ELECTRICAL CONDUIT
	0.5'-INTERVAL CONTOUR		LIGHT POLE
	CONCRETE		ELECTRIC BOX
	STAMPED CONCRETE		LANDSCAPE ORNAMENT
	COLORED CONCRETE		SCULPTURE
	GRAVEL		SWING SET
	STORMWATER FACILITY		BUILDING
	CURB		LITTER RECEPTACLE
	SHRUB		WASTEWATER SERVICE LINE
	TREE		PERFORATED STORM DRAIN LINE
	BIKE RACK		
	BENCH		
	SIGN		
	WATER SERVICE LINE		
	STORM DRAIN LINE		
	CLEANOUT		
	DOWNSPOUT		

GRAPHIC SCALE
0 10 20 40
(IN FEET)

21/02/2024 12:01 PM Bohemia Park Expansion (Drawings) 100 Percent 12:01 PM Bohemia Park Expansion 04/10/2024 4:17/2024 4:23 AM ZH007KZ

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

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

REVISIONS:		
No.	DESCRIPTION	DATE

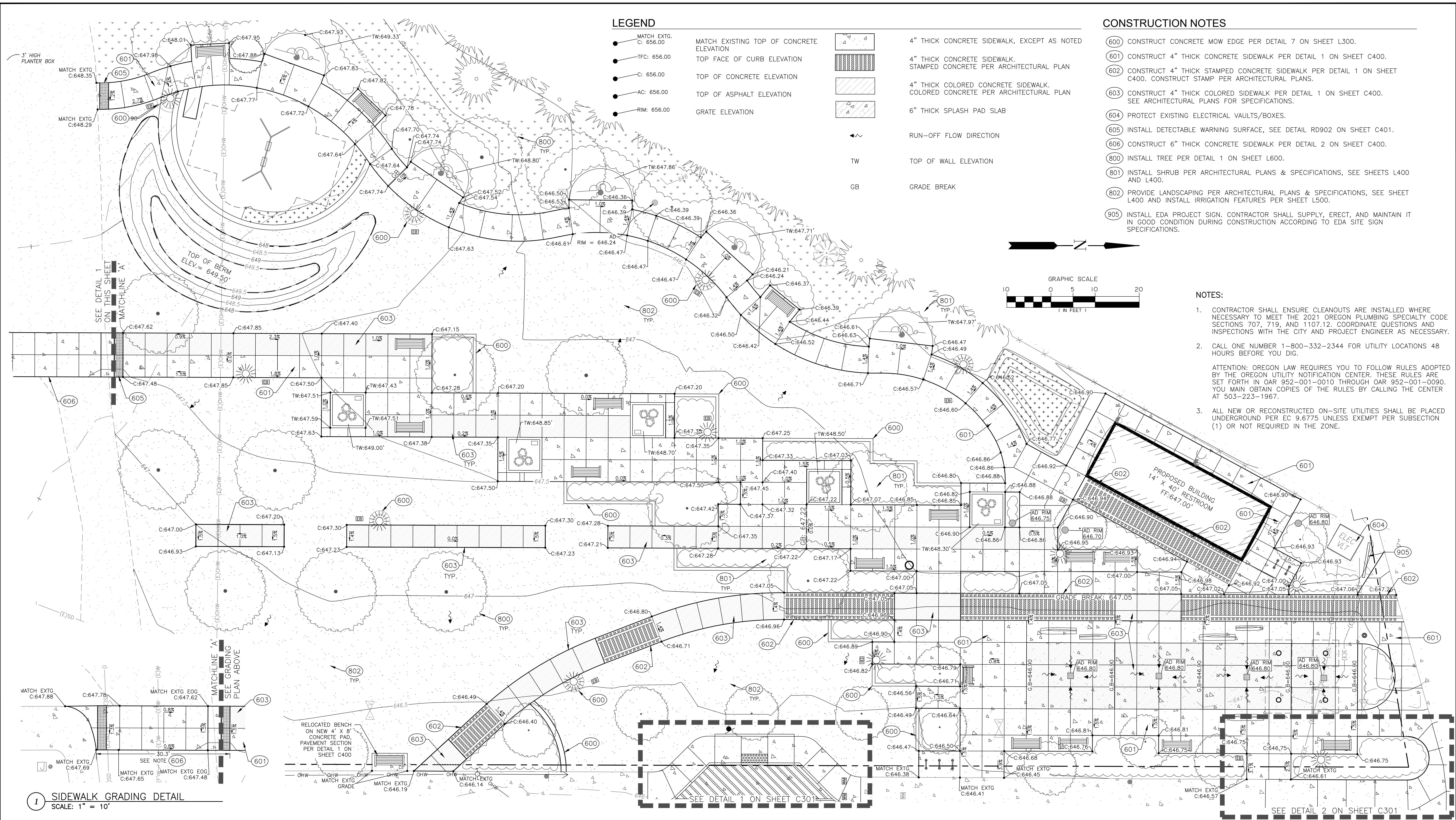
**CITY OF COTTAGE GROVE
BOHEMIA PARK EXPANSION**

UTILITY PLAN

Sheet No. **C200**

DRAWN BY: ZZ CHECKED BY: DG DATE: 04/10/24

JOB No. 22-001K

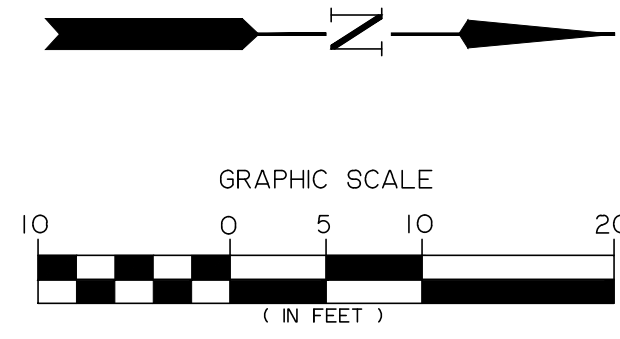


LEGEND

- MATCH EXTG. C: 656.00
 - TFC: 656.00
 - C: 656.00
 - AC: 656.00
 - RIM: 656.00
- MATCH EXISTING TOP OF CONCRETE ELEVATION
TOP FACE OF CURB ELEVATION
TOP OF CONCRETE ELEVATION
TOP OF ASPHALT ELEVATION
GRATE ELEVATION
- ▨ 4" THICK CONCRETE SIDEWALK, EXCEPT AS NOTED
 - ▨ 4" THICK CONCRETE SIDEWALK, STAMPED CONCRETE PER ARCHITECTURAL PLAN
 - ▨ 4" THICK COLORED CONCRETE SIDEWALK, COLORED CONCRETE PER ARCHITECTURAL PLAN
 - ▨ 6" THICK SPLASH PAD SLAB
- ↔ RUN-OFF FLOW DIRECTION
TW TOP OF WALL ELEVATION
GB GRADE BREAK

CONSTRUCTION NOTES

- (600) CONSTRUCT CONCRETE MOW EDGE PER DETAIL 7 ON SHEET L300.
- (601) CONSTRUCT 4" THICK CONCRETE SIDEWALK PER DETAIL 1 ON SHEET C400.
- (602) CONSTRUCT 4" THICK STAMPED CONCRETE SIDEWALK PER DETAIL 1 ON SHEET C400. CONSTRUCT STAMP PER ARCHITECTURAL PLANS.
- (603) CONSTRUCT 4" THICK COLORED CONCRETE SIDEWALK PER DETAIL 1 ON SHEET C400. SEE ARCHITECTURAL PLANS FOR SPECIFICATIONS.
- (604) PROTECT EXISTING ELECTRICAL VAULTS/BOXES.
- (605) INSTALL DETECTABLE WARNING SURFACE, SEE DETAIL RD902 ON SHEET C401.
- (606) CONSTRUCT 6" THICK CONCRETE SIDEWALK PER DETAIL 2 ON SHEET C400.
- (800) INSTALL TREE PER DETAIL 1 ON SHEET L600.
- (801) INSTALL SHRUB PER ARCHITECTURAL PLANS & SPECIFICATIONS, SEE SHEETS L400 AND L400.
- (802) PROVIDE LANDSCAPING PER ARCHITECTURAL PLANS & SPECIFICATIONS, SEE SHEET L400 AND INSTALL IRRIGATION FEATURES PER SHEET L500.
- (905) INSTALL EDA PROJECT SIGN. CONTRACTOR SHALL SUPPLY, ERECT, AND MAINTAIN IT IN GOOD CONDITION DURING CONSTRUCTION ACCORDING TO EDA SITE SIGN SPECIFICATIONS.



NOTES:

1. CONTRACTOR SHALL ENSURE CLEANOUTS ARE INSTALLED WHERE NECESSARY TO MEET THE 2021 OREGON PLUMBING SPECIALTY CODE SECTIONS 707, 719, AND 1107.12. COORDINATE QUESTIONS AND INSPECTIONS WITH THE CITY AND PROJECT ENGINEER AS NECESSARY.
2. CALL ONE NUMBER 1-800-332-2344 FOR UTILITY LOCATIONS 48 HOURS BEFORE YOU DIG.

ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THESE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MUST OBTAIN COPIES OF THE RULES BY CALLING THE CENTER AT 503-223-1967.
3. ALL NEW OR RECONSTRUCTED ON-SITE UTILITIES SHALL BE PLACED UNDERGROUND PER EC 9.6775 UNLESS EXEMPT PER SUBSECTION (1) OR NOT REQUIRED IN THE ZONE.

1 SIDEWALK GRADING DETAIL
SCALE: 1" = 10'

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

REVISIONS:		
No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE
BOHEMIA PARK EXPANSION

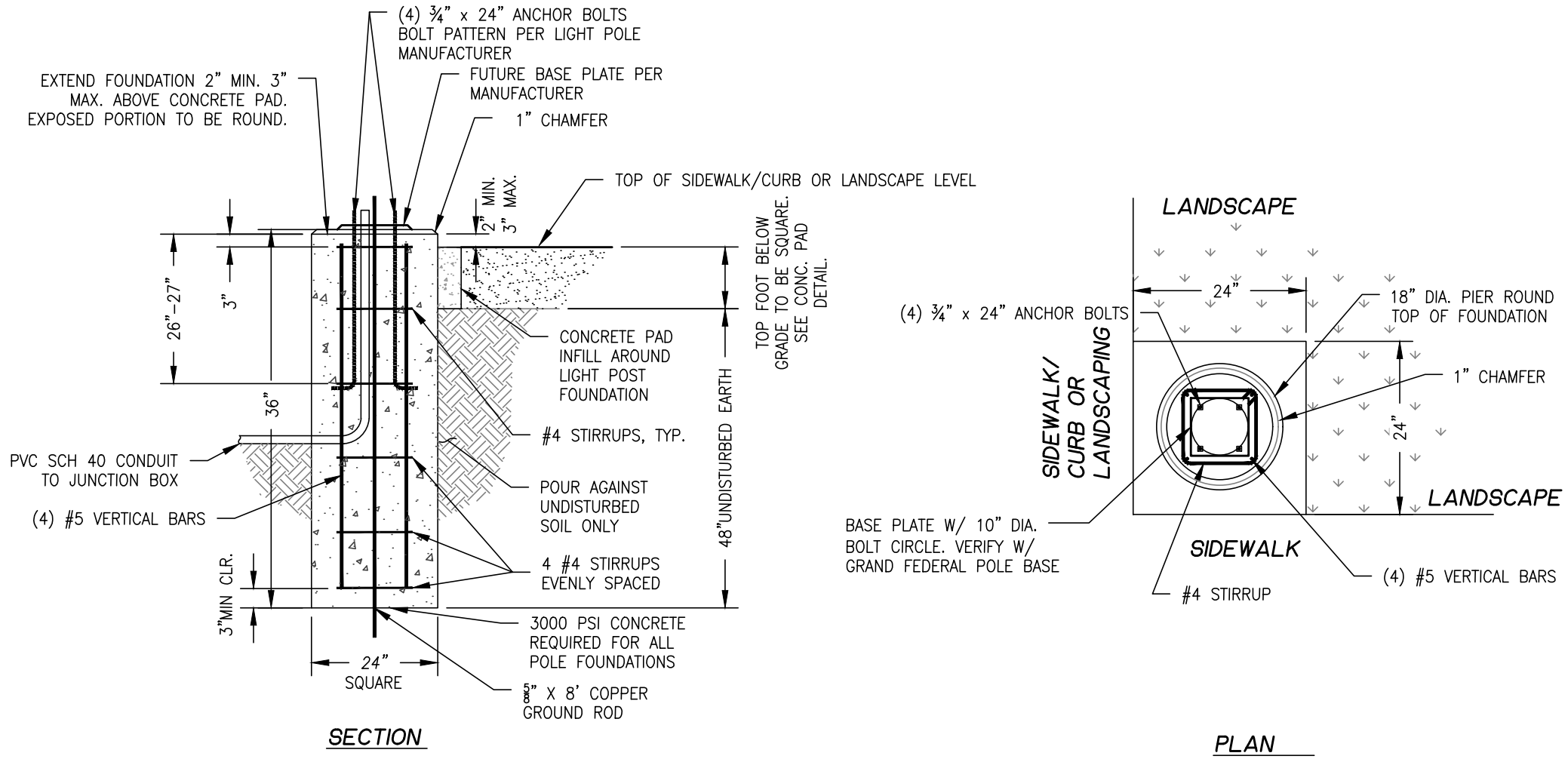
GRADING & PAVING PLAN

Sheet No. **C201**

DRAWN BY: ZZ CHECKED BY: DG DATE: 04/10/24

JOB No. 22-001K

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LIGHT POLE FOUNDATION
SCALE: N.T.S.

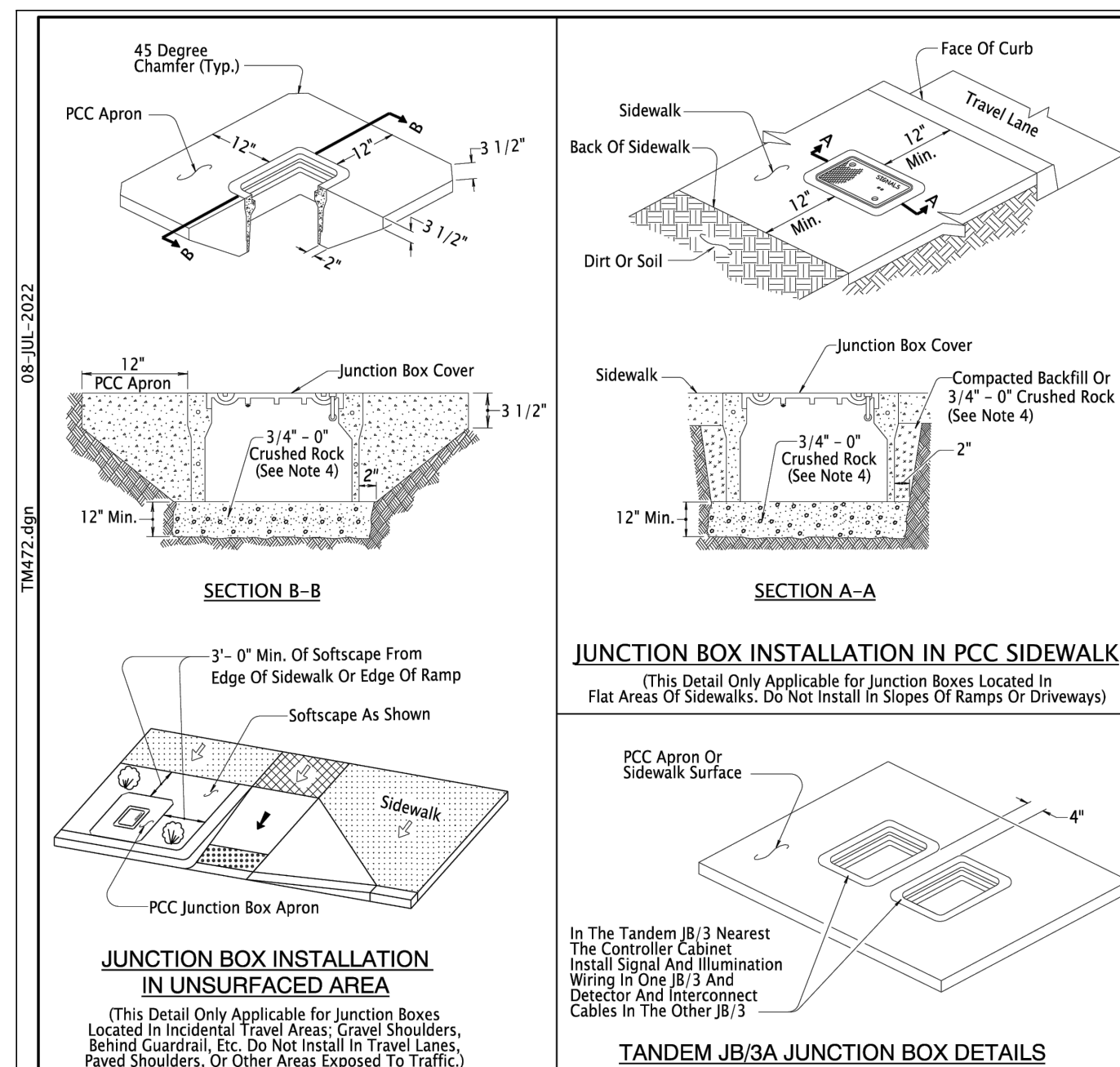
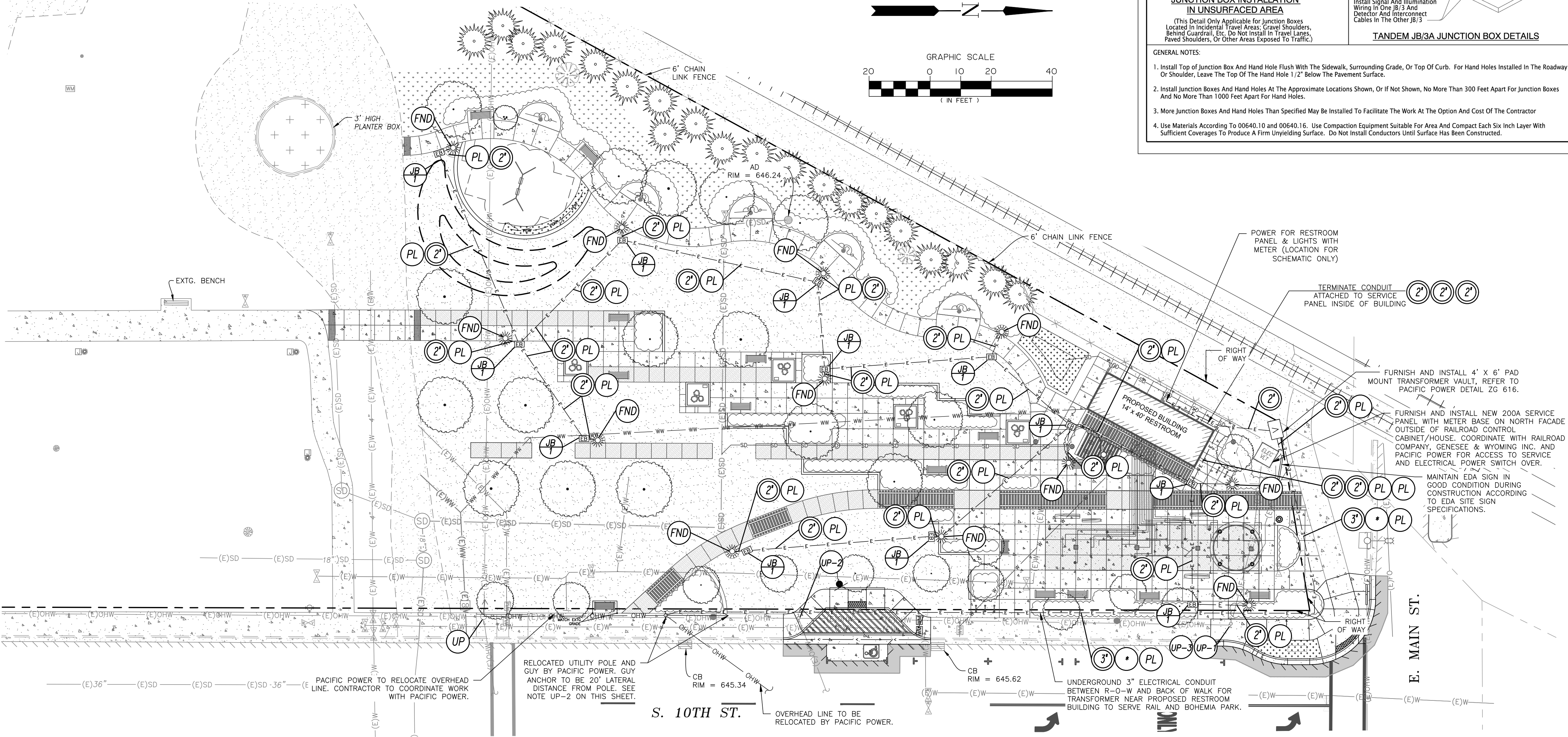
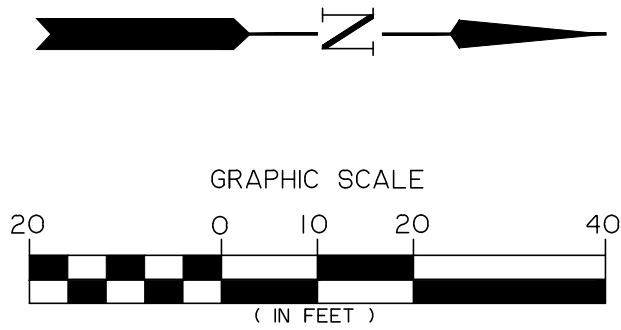
LEGEND

EXISTING

- APPROX. PROPERTY LINE
- EXISTING CONTOUR
- CURB
- EDGE OF ASPHALT
- FENCE LINE
- CENTERLINE OF RAILROAD
- OVERHEAD WIRES
- WATER LINE
- STORM SEWER LINE
- FIBER OPTIC LINE
- WASTEWATER LINE
- CONCRETE
- GRAVEL
- WATER VALVE
- IRRIGATION VALVE
- WATER METER
- CATCH BASIN
- POWER POLE
- POWER POLE /w ARM
- GUY ANCHOR
- SIGN
- LIGHT POLE
- SPOT ELEVATION
- TAX LOT NUMBER
- ELECTRIC BOX
- JUNCTION BOX
- ELECTRIC VAULT
- SD MANHOLE
- SS CLEANOUT
- DECIDUOUS TREE
- EVERGREEN TREE

PROPOSED

- UNDERGROUND ELECTRICAL CONDUIT
- LIGHT POLE
- ELECTRIC BOX



JUNCTION BOX INSTALLATION IN UNSURFACED AREA
(This Detail Only Applicable for Junction Boxes Located in Flat Areas of Sidewalks. Do Not Install in Slopes Or Ramps Or Driveways)

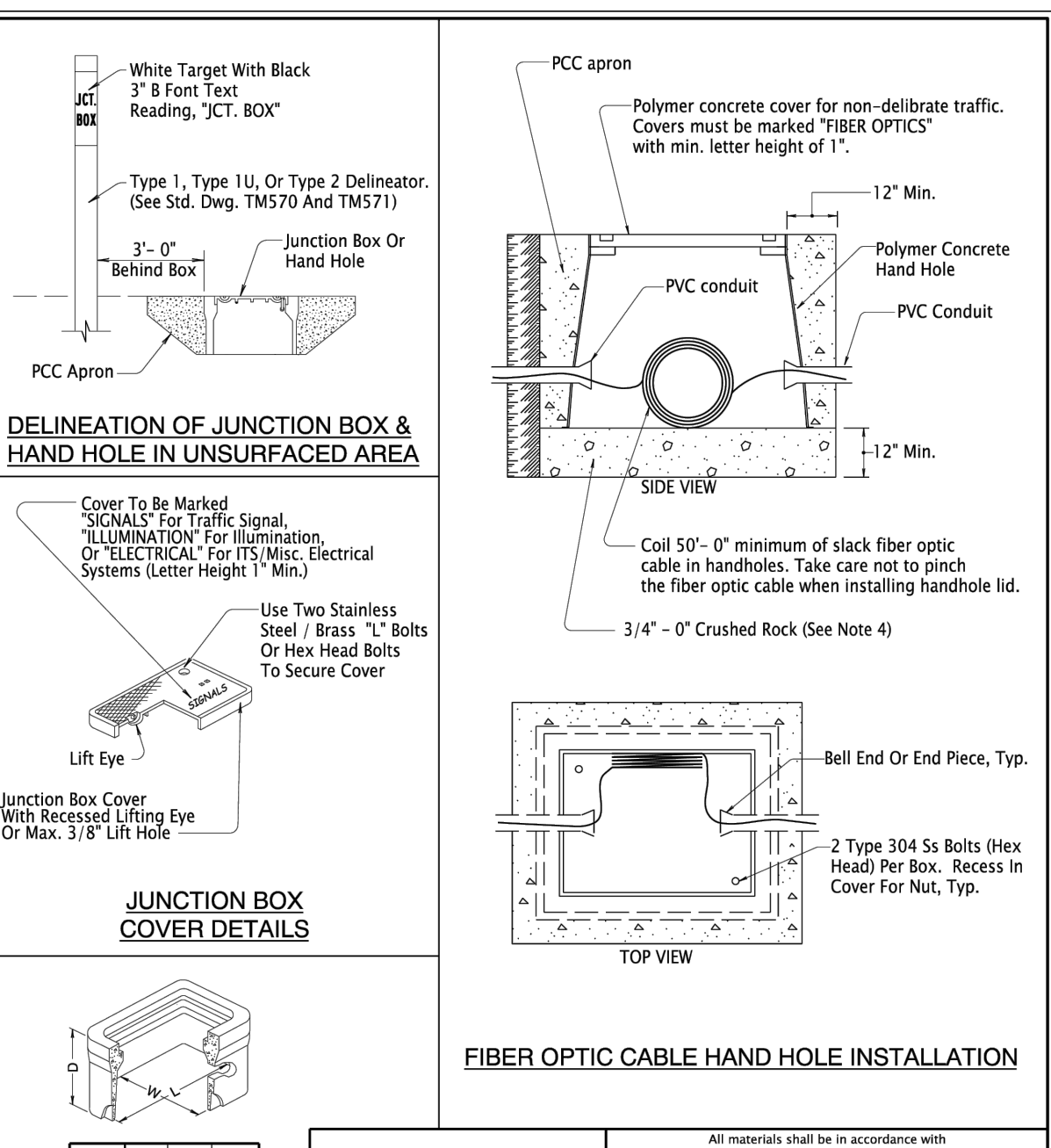
JUNCTION BOX INSTALLATION IN UNSURFACED AREA
(This Detail Only Applicable for Junction Boxes Located in Incidental Travel Areas: Gravel Shoulders, Behind Guardrail, Etc. Do Not Install in Travel Lanes, Paved Shoulders, Or Other Areas Exposed To Traffic)

JUNCTION BOX COVER DETAILS

TANDEM JB/3A JUNCTION BOX DETAILS

GENERAL NOTES:

- Install Top of Junction Box and Hand Hole Flush With the Sidewalk, Surrounding Grade, Or Top Of Curb. For Hand Holes Installed in the Roadway Or Shoulder, Leave The Top of the Hand Hole 1/2" Below the Pavement Surface.
- Install Junction Boxes and Hand Holes At the Appropriate Locations Shown, Or If Not Shown, No More Than 300 Feet Apart For Junction Boxes And No More Than 1000 Feet Apart For Hand Holes.
- More Junction Boxes And Hand Holes Than Specified May be Installed To Facilitate the Work At the Option And Cost Of the Contractor
- Use Materials According To 00640.10 and 00640.16. Use Compaction Equipment Suitable For Area And Compact Each Six Inch Layer With Sufficient Coverages To Produce A Firm Unyielding Surface. Do Not Install Conductors Until Surface Has been Constructed.



Type*	L	W	D
JB-1	17"	10"	12"
JB-2	22"	12"	12"
JB-3	30"	17"	12"
HH-1	24"	30"	24"
HH-2	30"	48"	24"
HH-3	30"	48"	36"

*Junction Box Or Hand Hole Type As Shown On Plans
DIMENSION TABLE

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.

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

OREGON STANDARD DRAWINGS

JUNCTION BOXES/HAND HOLES

2024

DATE: 08-11-2022
DESIGNER: RLS
CHECKED: [blank]
PROJECT: ADDITIONAL SIGNAGE FOR BOHEMIA PARK (P&L)

DATE: 08-11-2022
DRAWN: [blank]
PROJECT: ADDITIONAL SIGNAGE FOR BOHEMIA PARK (P&L)

LIGHTING CONSTRUCTION NOTES

- LOCATIONS OF JUNCTION BOXES, CONDUIT, AND POLES ARE APPROXIMATE. ACTUAL LOCATIONS SHALL BE AS DETERMINED IN THE FIELD BY THE ENGINEER.
 - ALL WORK SHALL BE PERFORMED BY AN APPROVED QUALIFIED ELECTRICAL CONTRACTOR.
 - CONTRACTOR SHALL NOT PERFORM ANY WORK WITHOUT INSPECTIONS. CONTACT ENGINEER 48 HOURS PRIOR TO STARTING WORK TO SCHEDULE INSPECTIONS.
- JB-1 FURNISH AND INSTALL TYPE 1 JUNCTION BOX (MARKED "LIGHTING") WITH CONCRETE APRON. CONFORM TO ODOT STANDARD DRAWING TM472, DETAIL THIS SHEET.
 - S FURNISH AND INSTALL (S") SIZE RIGID ELECTRICAL CONDUIT. CONDUIT SHALL BE BURIED 30" MINIMUM FROM FINISHED GRADE. PROVIDE PULL STRING FOR FUTURE USE AND EXTEND/TERMINATE AT FOUNDATIONS.
 - FND CONSTRUCT LIGHT POLE FOUNDATION FOR FUTURE USE. SEE DETAILS THIS SHEET. STUB CONDUIT TO NEAREST JUNCTION BOX. PROVIDE SUITABLE BASE/PEDESTAL TO CONCEAL ANCHOR BOLTS AND CONDUIT SWEEPS.
 - UP MAINTAIN AND PROTECT EXISTING UTILITY POLE.
 - UP-1 EXISTING UTILITY POLE (PPL 20-03 POLE INVENTORY #284206) TO BE REMOVED, AND ELECTRICAL JUNCTION BOX, GUY ANCHOR, AND ELECTRICAL CONDUITS TO BE RELOCATED. CONTRACTOR TO COORDINATE WORK WITH PACIFIC POWER (ELKE VATH 541-967-6160).
 - UP-2 EXISTING UTILITY POLE WITH TRANSFORMER (PPL 20-03 POLE INVENTORY #284109), GUY ANCHOR, AND ELECTRICAL CONDUITS TO BE RELOCATED. CONTRACTOR TO COORDINATE WITH PACIFIC POWER (ELKE VATH 541-967-6160).
 - UP-3 CONTRACTOR TO COORDINATE WORK, THAT IMPACTS THE SIGNAL OPERATIONS AT HIGHWAY 99/MAIN STREET, WITH ODOT ELECTRICIAN (BRIAN PARKS BRIAN.N.PARKS@ODOT.OREGON.GOV).
 - PL INSTALL POLY PULL STRING IN EACH RUN OF CONDUIT.
 - * SEE UTILITY PLAN. PACIFIC POWER TO RELOCATE OVERHEAD LINE TO UNDERGROUND. CITY CONTRACTOR TO TRENCH AND INSTALL CONDUIT. COORDINATE WORK AND INSPECTIONS WITH PACIFIC POWER (ELKE VATH 541-967-6160). ALL WORK AND POWER COMPANY OWNED UTILITIES SHALL BE CONSTRUCTED TO MEET PP&L MATERIAL AND CONSTRUCTION STANDARDS AND SPECIFICATIONS.

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JULY 13, 2004
DAMIEN GILBERT

Expires: June 30, 2025

CITY OF COTTAGE GROVE ENGINEERING

400 Main Street Cottage Grove, OR 97424

REVISIONS:		
No.	DESCRIPTION	DATE

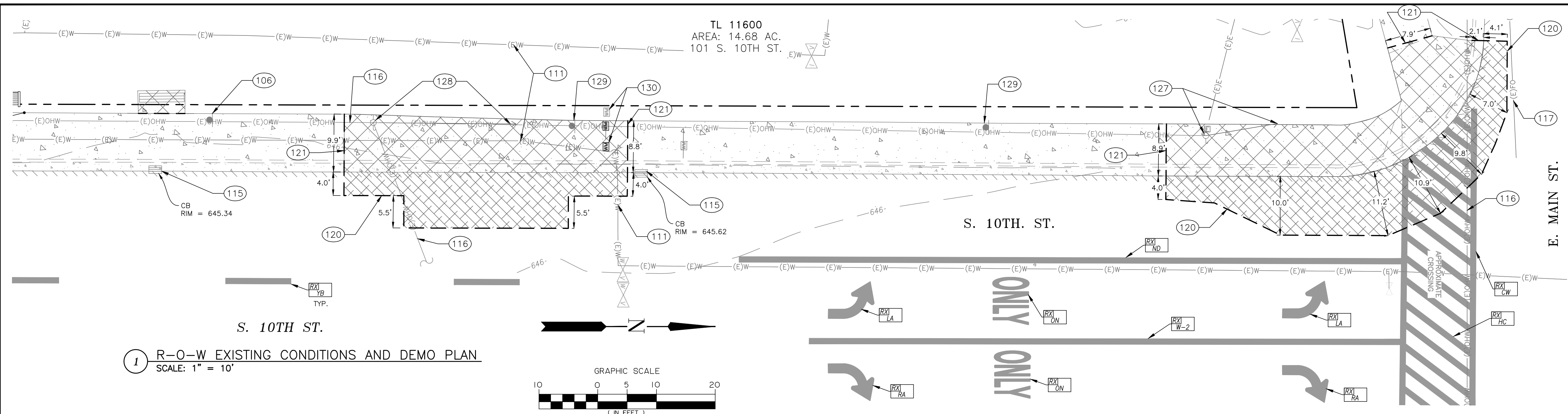
CITY OF COTTAGE GROVE
BOHEMIA PARK EXPANSION

LIGHTING PLAN

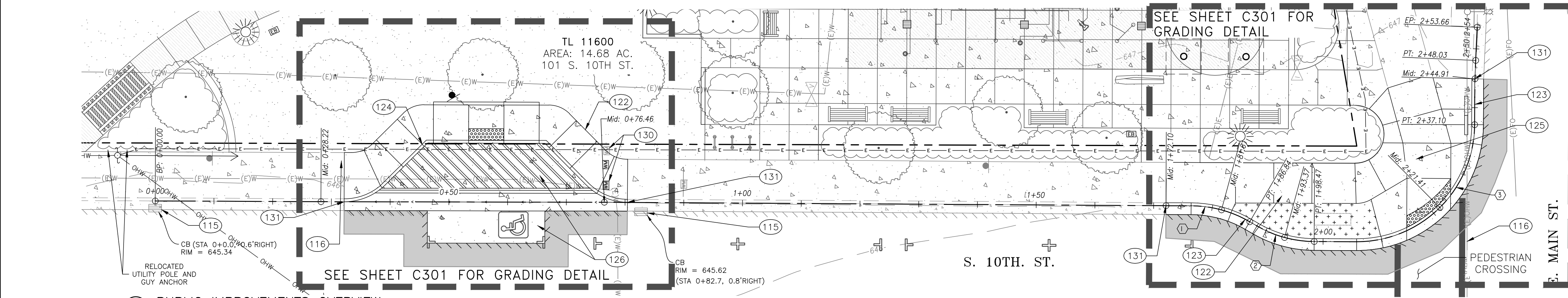
Sheet No. **C202**

DRAWN BY: ZZ CHECKED BY: DG DATE: 04/10/24

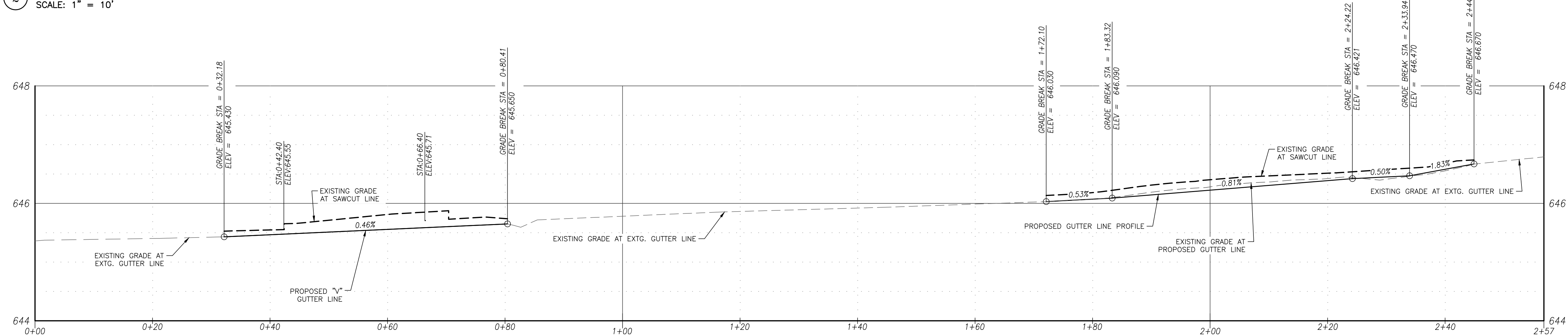
JOB No. 22-001K



1 R-O-W EXISTING CONDITIONS AND DEMO PLAN
SCALE: 1" = 10'



2 PUBLIC IMPROVEMENTS OVERVIEW
SCALE: 1" = 10'



3 FLOW LINE PROFILE
HORIZONTAL SCALE: 1" = 10', VERTICAL SCALE: 1" = 1'

- ### CONSTRUCTION NOTES
- 106 PROTECT EXISTING SIGN.
 - 111 PROTECT EXISTING WATER LINE.
 - 115 PROTECT EXISTING CATCH BASIN. INSTALL SEDIMENT PROTECTION AT EXISTING CATCH BASIN.
 - 116 PROTECT EXISTING OVERHEAD UTILITY LINE.
 - 117 PROTECT EXISTING UNDERGROUND FIBER OPTIC LINE.
 - 120 SAWCUT EXISTING AC PAVEMENT. PROTECT SAWCUT EDGE FROM DAMAGE.
 - 121 SAWCUT EXISTING CONCRETE. PROTECT SAWCUT EDGE FROM DAMAGE.
 - 122 CONSTRUCT CONCRETE SIDEWALK PER CITY OF COTTAGE GROVE STANDARD DRAWING 216A AND DETAIL 1 ON SHEET C400.
 - 123 CONSTRUCT CURB AND GUTTER PER OREGON STANDARD DRAWING RD700 ON SHEET C401.
 - 124 CONSTRUCT STANDARD CURB PER OREGON STANDARD DRAWING RD700 ON SHEET C401.
 - 125 CONSTRUCT ADA CURB RAMP PER OREGON STANDARD DRAWING RD913 ON SHEET C402 & DETAIL 2 ON SHEET 301.
 - 126 CONSTRUCT ON-STREET ADA PARKING AND AISLE PER DETAIL 1 ON SHEET C301.
 - 127 EXISTING UTILITY POLE (PPL 20-03 POLE INVENTORY #284206) TO BE REMOVED, AND ELECTRICAL JUNCTION BOX, GUY ANCHOR, AND ELECTRIC CONDUITS TO BE RELOCATED. CONTRACTOR TO COORDINATE WORK WITH PACIFIC POWER (ELKE VATH 541-967-6160).
 - 128 EXISTING UTILITY POLE (PPL 20-03 POLE INVENTORY #284109), GUY ANCHOR, AND ELECTRICAL JUNCTION BOX, GUY ANCHOR, AND ELECTRIC CONDUITS TO BE RELOCATED. CONTRACTOR TO COORDINATE WORK WITH PACIFIC POWER (ELKE VATH 541-967-6160).
 - 129 REMOVE SIGN AND RETURN TO THE CITY OF COTTAGE GROVE.
 - 130 PROTECT EXISTING UTILITY. ADJUST BOX TO FINISHED GRADE AS NEEDED.
 - 131 TIE IN NEW CURB AND GUTTER (C&G) TO EXISTING C&G PER DETAIL 3 ON SHEET C402.
- REMOVE STRIPING (T=TYPE) USING AN APPROVED METHOD PER CURRENT ODOT STANDARD SPECIFICATIONS.

- ### GENERAL CONSTRUCTION NOTES
1. CONCRETE FINISH TO MATCH EXISTING, OR, AS DIRECTED BY OWNER.
 2. ITEMS SHOWN TO REMAIN (CATCH BASIN, MANHOLE) TO BE PROTECTED DURING WORK BY CONTRACTOR.

- ### ADDITIONAL NOTES
1. VERIFY INTEGRITY OF EXISTING UTILITY PIPES PRIOR TO NEW CONCRETE INSTALLATION.
 2. CONTRACTOR TO PROVIDE TRAFFIC CONTROL PLAN FOR E. MAIN AVENUE AND S. 10TH STREET DURING CONSTRUCTION.
 3. CALL ONE NUMBER 1-800-332-2344 FOR UTILITY LOCATIONS 48 HOURS BEFORE YOU DIG.
- ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THESE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MUST OBTAIN COPIES OF THE RULES BY CALLING THE CENTER AT 503-223-1967.

2/1/2024 12:01 PM Bohemia Park Expansion_041024_1008.dwg 4/11/2024 8:33 AM ZH0078Z

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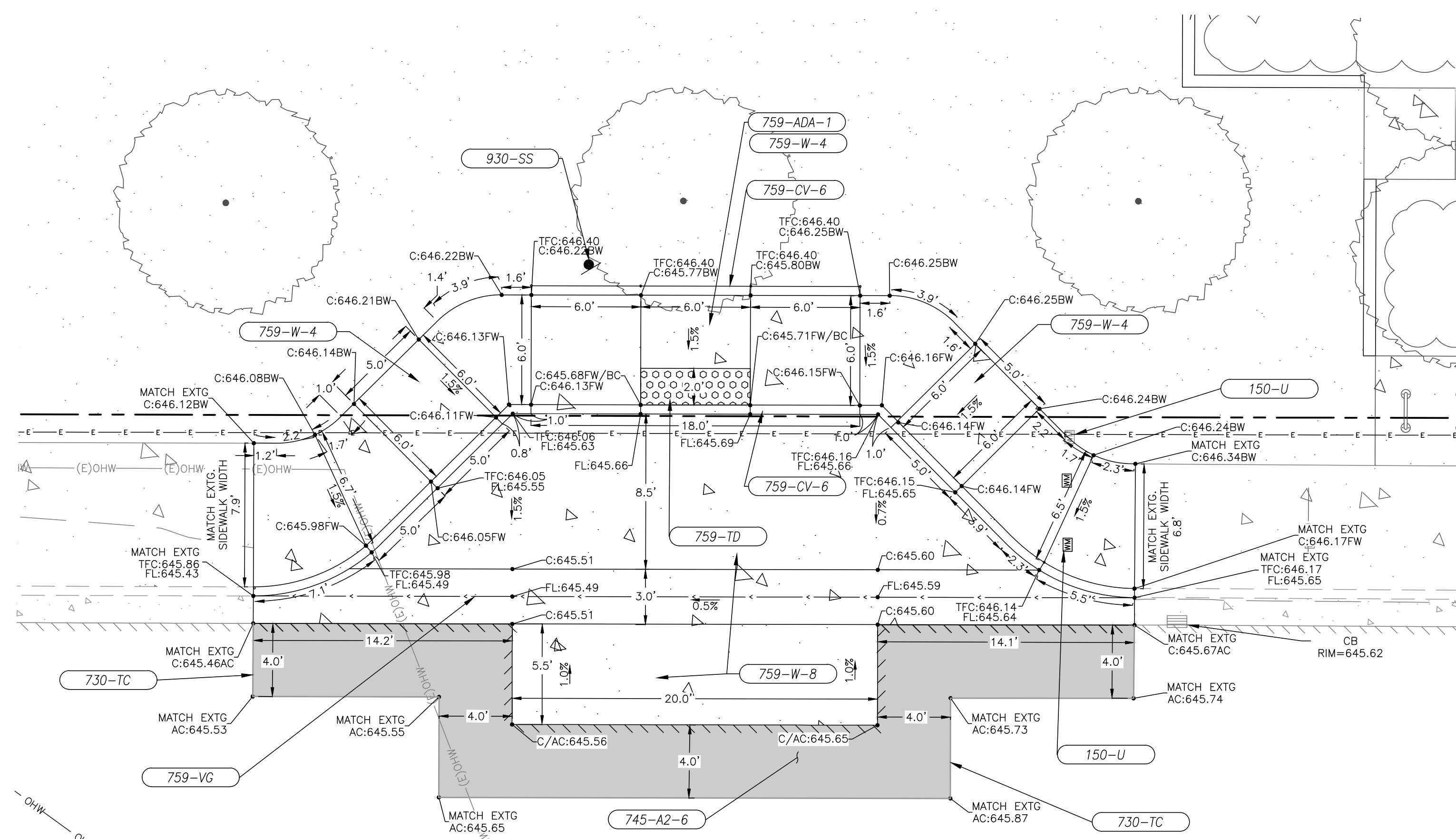
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**CITY OF COTTAGE GROVE
BOHEMIA PARK EXPANSION**

PUBLIC IMPROVEMENTS PLAN

Sheet No. **C300**

DRAWN BY: ZZ CHECKED BY: DG DATE: 04/10/24 JOB No. 22-001K



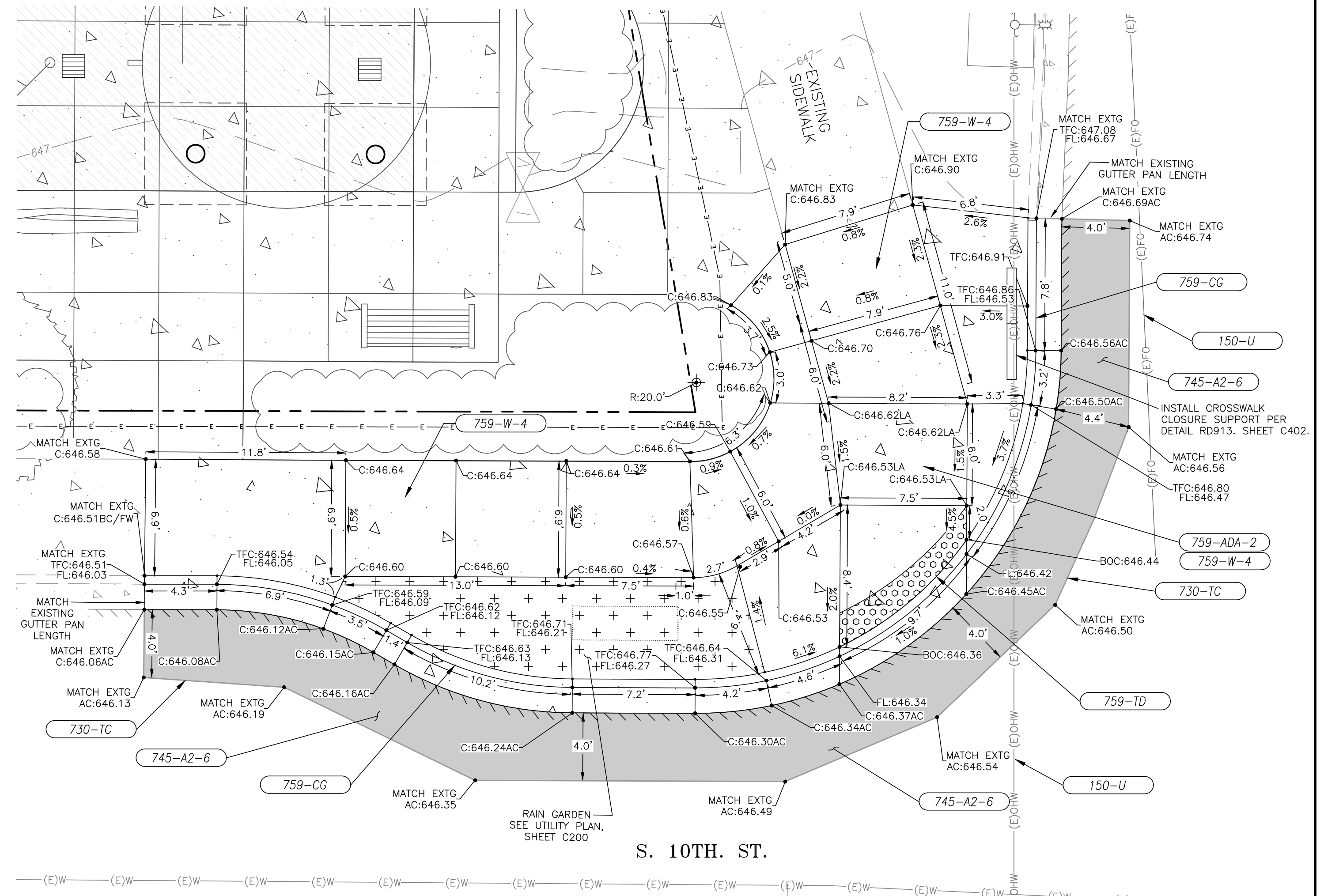
1 ON-STREET ADA PARKING DETAIL
SCALE: 1" = 5'

CONSTRUCTION NOTES

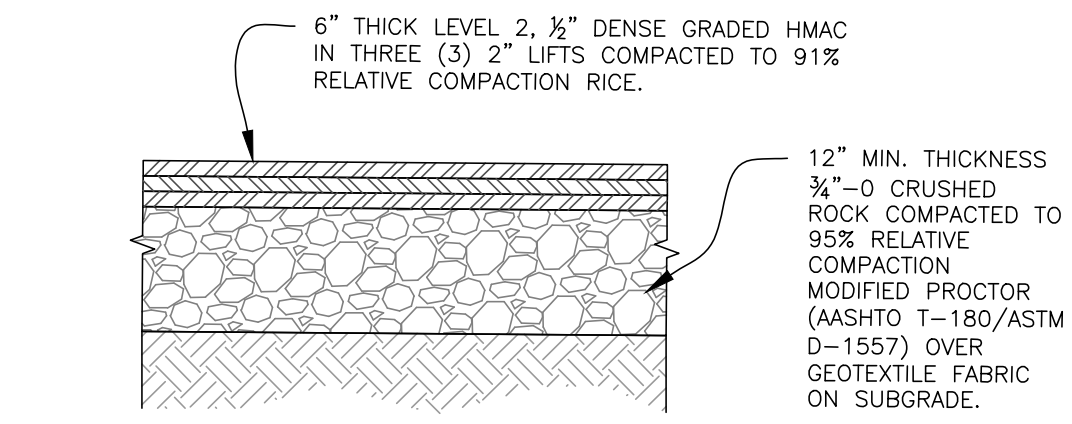
- 150-U — PROTECT EXISTING UTILITY. ADJUST BOX TO FINISHED GRADE AS NEEDED.
- 730-TC — SEAL PAVEMENT JOINT. APPLY TACK COAT MATERIAL AND SAND OVER EXISTING PAVEMENT EDGES PER OREGON STANDARD DRAWING RD302 ON SHEET C401.
- 745-A2-6 — CONSTRUCT 6" LEVEL 2, 3/4" DENSE HMAC OR MATCH EXISTING AC THICKNESS, WHICHEVER IS GREATER, SEE DETAIL 3 ON THIS SHEET, CITY OF COTTAGE GROVE DETAIL RD300(A), AND OREGON STANDARD DRAWING RD300 ON SHEET C400.
- 759-ADA-1 — CONSTRUCT ADA RAMP PER OREGON STANDARD DRAWING RD920 ON SHEET C402, MODIFIED PER DETAIL 1 SHOWN ON THIS SHEET. CONTRACTOR TO HAVE CITY INSPECTOR APPROVE FORMS PRIOR TO POURING CONCRETE.
- 759-ADA-2 — CONSTRUCT ADA RAMP PER OREGON STANDARD DRAWING RD913 ON SHEET C402, MODIFIED PER DETAIL 2 SHOWN ON THIS SHEET. CONTRACTOR TO HAVE CITY INSPECTOR APPROVE FORMS PRIOR TO POURING CONCRETE.
- 759-W-4 — CONSTRUCT 4" THICK CONCRETE SIDEWALK OVER 6" THICK 3/4"-0 CRUSHED ROCK PER DETAIL 1 AND CITY OF COTTAGE GROVE DETAIL NO. 216A ON SHEET C400.
- 759-W-8 — CONSTRUCT 8" THICK CONCRETE PAVEMENT OVER 8" THICK 3/4"-0 CRUSHED ROCK PER DETAIL 4 ON THIS SHEET.
- 759-TD — INSTALL TRUNCATED DOME TEXTURING PER OREGON STANDARD DRAWING RD902 AND RD905 ON SHEET C401.
- 759-CG — CONSTRUCT CURB AND GUTTER PER ODOT STANDARD DETAIL RD700 ON SHEET C401. GUTTER SLOPE DIRECTLY IN FRONT OF ADA RAMP SHALL NOT EXCEED 2%. COUNTER SLOPE OF GUTTER IN FRONT OF ADA RAMP SHALL NOT EXCEED 4%.
- 759-CV-6 — CONSTRUCT 6" CONCRETE CURB, EXPOSURE VARIES PER GRADE SHOTS AS SHOWN. SEE OREGON STANDARD DRAWING RD700 ON SHEET C401.
- 759-VG — CONSTRUCT SYMMETRICAL "V" TYPE GUTTER PER CITY OF COTTAGE GROVE DETAIL NO. 212 ON SHEET C400, MODIFIED FOR ADA COMPLIANCE.
- 930-SS — INSTALL VAN-ACCESSIBLE HANDICAP SIGN PER DETAIL 1 ON SHEET C403 AND CONSTRUCT SIGN POST BASE AND MOUNTING PER CITY OF COTTAGE GROVE DETAIL NO. 502 SHOWN ON SHEET C400.

LEGEND

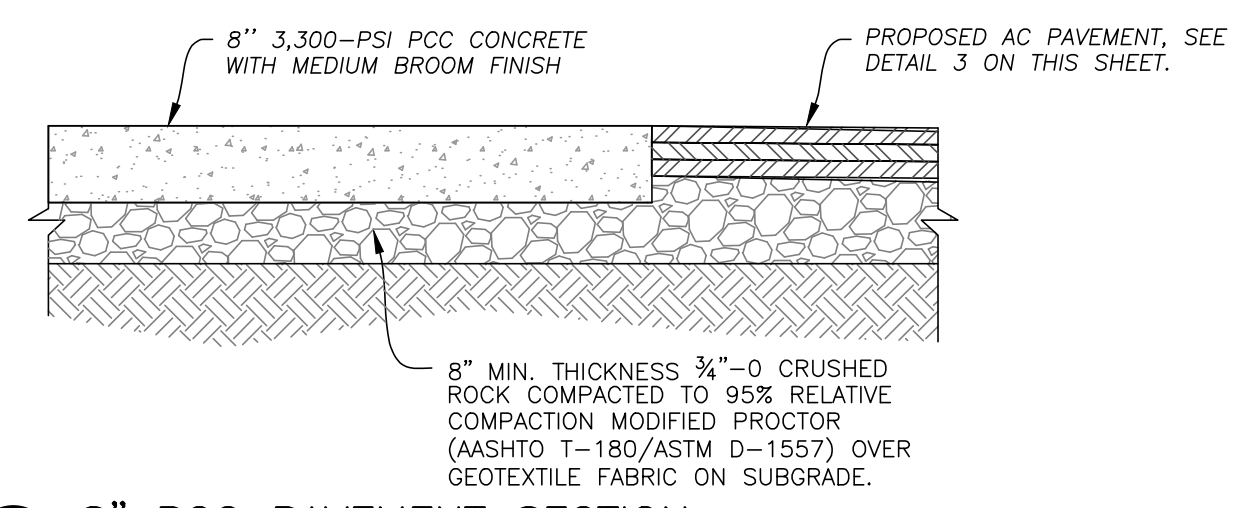
EXISTING			
---	APPROXIMATE PROPERTY LINE	⊗	WATER VALVE
—	CURB	⊗	IRRIGATION VALVE
///	EDGE OF ASPHALT	⊗	WATER METER
647	CONTOUR LINE	⊗	CATCH BASIN
(E)OHV	OVERHEAD WIRES	⊗	POWER POLE
IRR	WATER LINE	⊗	POWER POLE /w ARM
(E)FO	FIBER OPTIC LINE	⊗	GUY ANCHOR
+	CONCRETE	⊗	SIGN
+	LANDSCAPE	⊗	LIGHT POLE
PROPOSED			
+	CONCRETE		
—	ASPHALT		
///	EDGE OF ASPHALT		
—	CURB		
—	CONCRETE "V" GUTTER		
⊗	TRUNCATED DOMES		
⊗	SIGN		



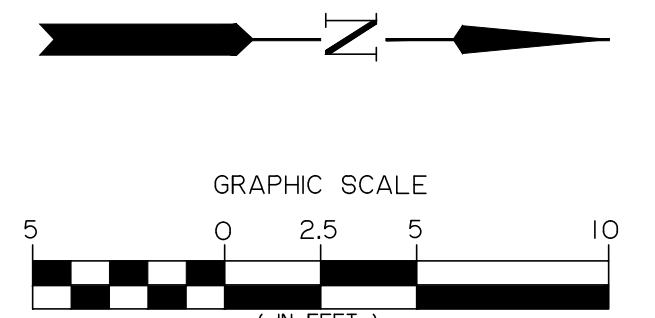
2 ADA CURB RAMP DETAIL
SCALE: 1" = 5'



3 AC PAVEMENT REPAIR DETAIL
SCALE: NTS



4 8" PCC PAVEMENT SECTION
SCALE: NTS



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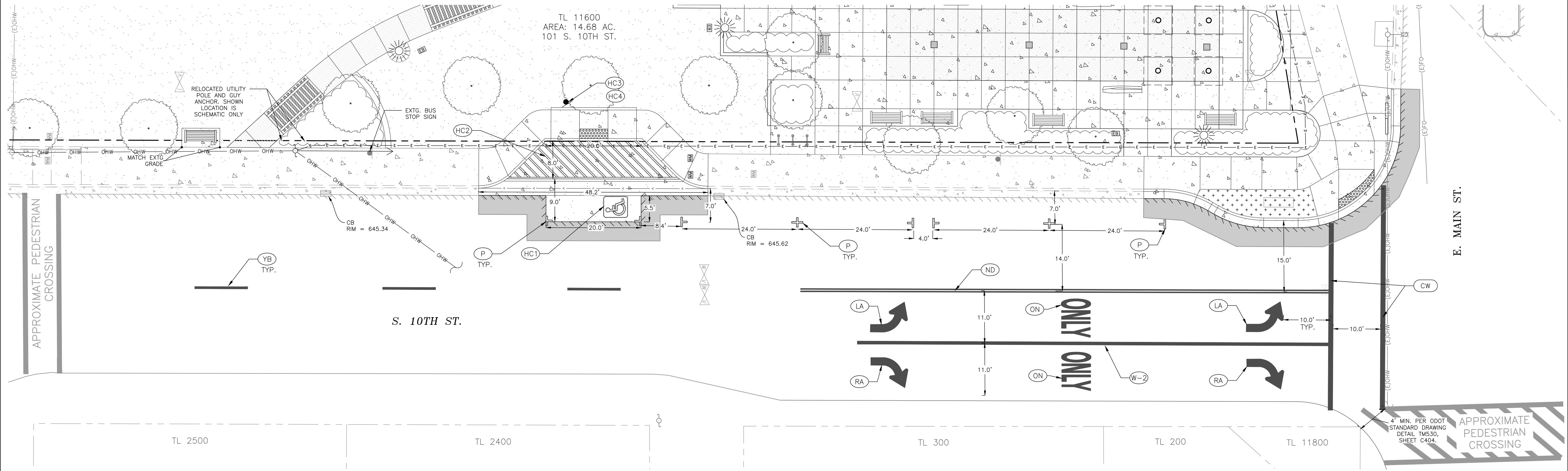
REVISIONS:		
No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE
BOHEMIA PARK EXPANSION

ADA CURB RAMP AND ON-STREET PARKING CONSTRUCTION PLAN

Sheet No. **C301**

DRAWN BY: ZZ CHECKED BY: DG DATE: 04/10/24 JOB No. 22-001K



CONSTRUCTION NOTES

- (P) CONSTRUCT ON-STREET PARKING PAVEMENT MARKINGS PER OREGON STANDARD DRAWING TM503, SHEET C403.
- (HC1) INSTALL WHITE RETROREFLECTIVE PAVEMENT STENCIL PER FIGURE 6 SHOWN ON SHEET C403.
- (HC2) INSTALL WHITE RETROREFLECTIVE LINES PER DETAIL 1 SHOWN ON THIS SHEET.
- (HC3) INSTALL VAN-ACCESSIBLE HANDICAP SIGN PER DETAIL 1 ON SHEET C403.
- (HC4) CONSTRUCT SIGN POST BASE AND MOUNTING PER CITY OF COTTAGE GROVE DETAIL NO. 502 SHOWN ON SHEET C400.
- (CW) CONSTRUCT STANDARD CROSSWALK MARKINGS, 12" WHITE BARS PER OREGON STANDARD DRAWING TM503, DETAIL SHEET C403. MATERIAL SHALL BE THERMOPLASTIC TYPE B-HS.
- (LA) CONSTRUCT LEFT TURN ARROW MARKING PER OREGON STANDARD DRAWING TM501 ON SHEET C403. MATERIAL SHALL BE THERMOPLASTIC.
- (RA) CONSTRUCT RIGHT TURN ARROW MARKING PER OREGON STANDARD DRAWING TM501, SHEET C403. MATERIAL SHALL BE THERMOPLASTIC.
- (ON) CONSTRUCT PAVEMENT MARKING PER OREGON STANDARD DRAWING TM503, SHEET C403. MATERIAL SHALL BE THERMOPLASTIC.
- (YB) CONSTRUCT 4" YELLOW BROKEN LINE MARKING PER OREGON STANDARD DRAWING TM500, SHEET C403. MATERIAL SHALL BE THERMOPLASTIC.
- (W-2) CONSTRUCT WHITE LINE MARKING PER OREGON STANDARD DRAWING TM500, SHEET C403. MATERIAL SHALL BE THERMOPLASTIC.
- (ND) CONSTRUCT NARROW DOUBLE NO-PASS TWO 4" YELLOW LINES MARKING PER OREGON STANDARD DRAWING TM500 ON SHEET C403. MATERIAL SHALL BE THERMOPLASTIC.

GENERAL CONSTRUCTION NOTES

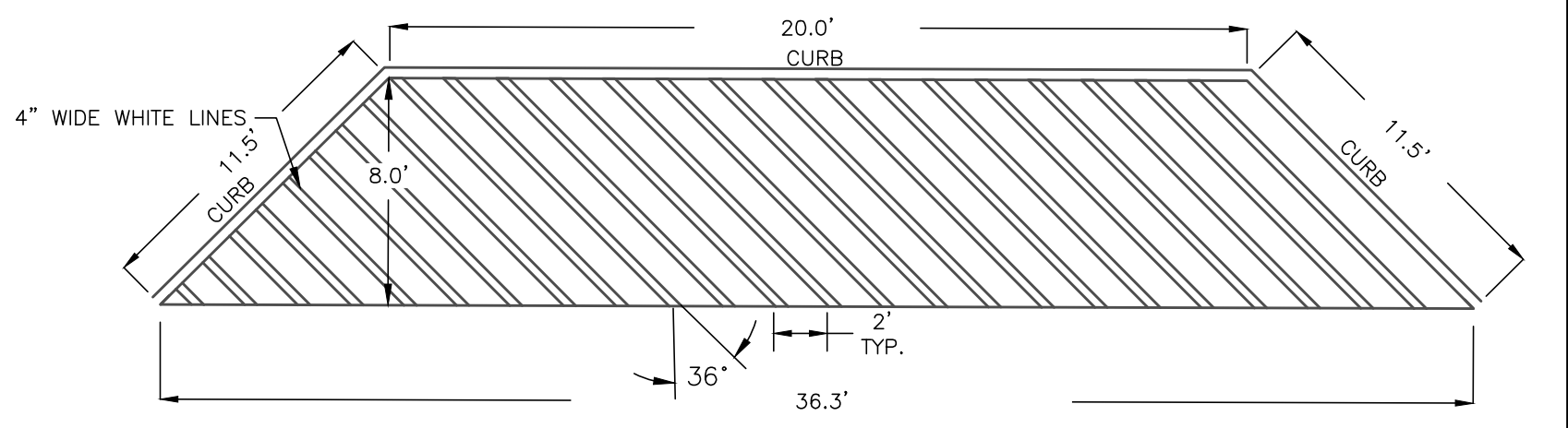
1. ITEMS SHOWN TO REMAIN (CATCH BASIN, MANHOLE) TO BE PROTECTED DURING WORK BY CONTRACTOR.

STRIPING NOTES

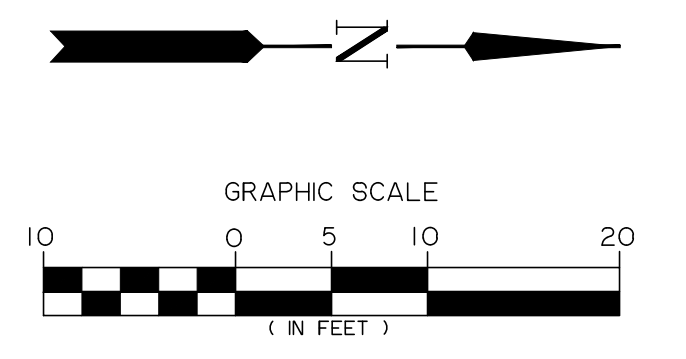
1. ALL STRIPING MATERIALS SHALL COMPLY WITH CURRENT OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION (2024 EDITION) AND SHALL BE INSTALLED PER CURRENT OREGON STANDARD DRAWINGS.
2. REFER TO STANDARD DRAWINGS TM530, TM560 AND TM561, SHOWN ON SHEET C404, FOR STRIPING INSTALLATION DETAILS.
3. ALL LONGITUDINAL MARKINGS SHALL BE EXTRUDED OR SPRAYED THERMOPLASTIC APPLIED USING METHOD AB.
4. TRANSVERSE MARKINGS AND LEGEND SHALL BE TYPE B-HS PREFORMED FUSED THERMOPLASTIC FILM HIGH SKID.

ADDITIONAL NOTES

1. CONTRACTOR TO PROVIDE TRAFFIC CONTROL PLAN FOR E. MAIN AVENUE AND S. 10TH STREET DURING CONSTRUCTION.
2. CALL ONE NUMBER 1-800-332-2344 FOR UTILITY LOCATIONS 48 HOURS BEFORE YOU DIG. ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THESE 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 AT 503-223-1967.



1 ADA PARKING AISLE STRIPING DETAIL
SCALE: N.T.S.



E:\2024\22-001K Cottage Grove Bohemia Park Expansion\Drawings\100 Permit\22-001K Bohemia Park Expansion_041024_1008.dwg 4/11/2024 8:32 AM ZH007Z

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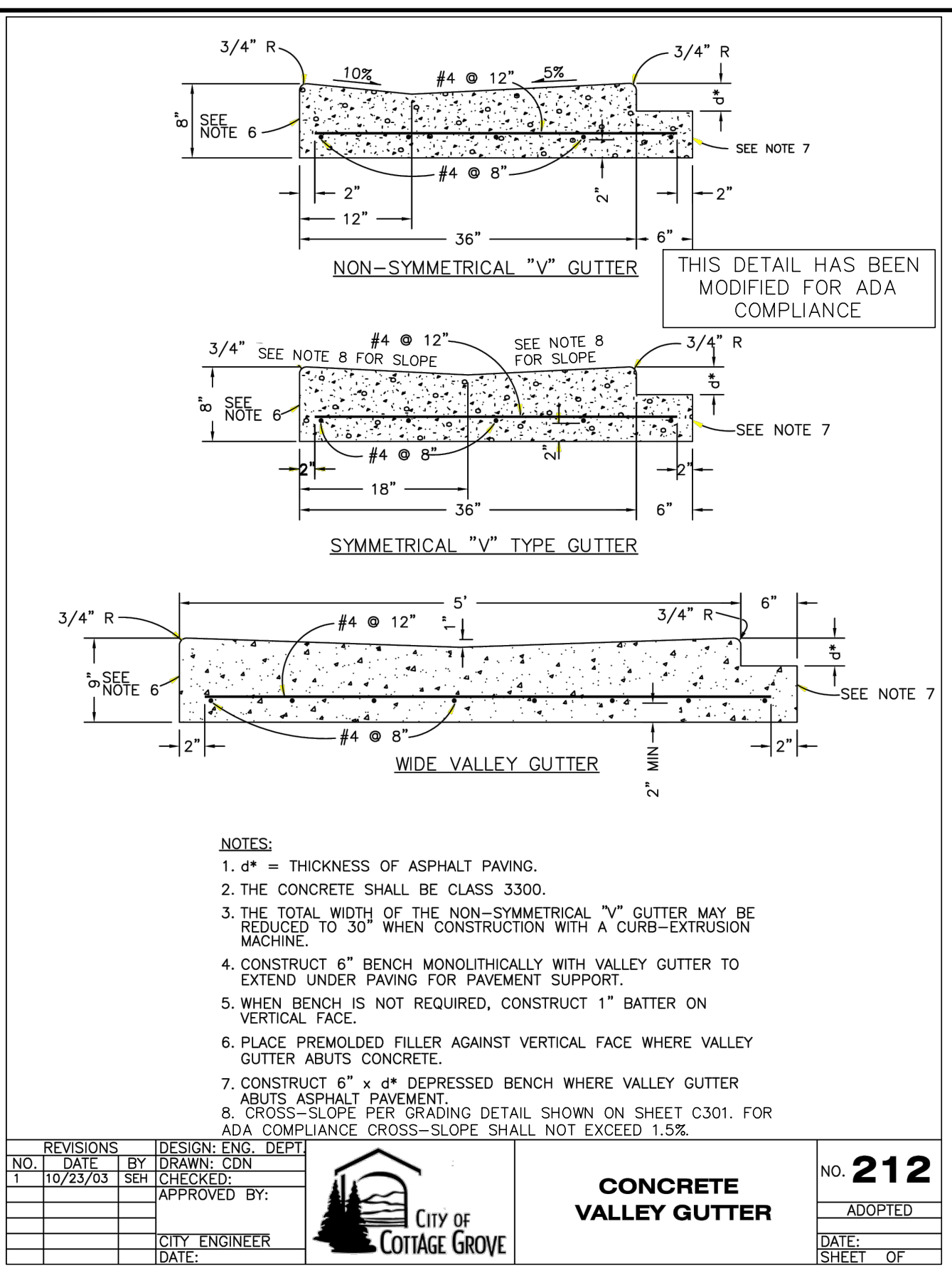
CITY OF COTTAGE GROVE BOHEMIA PARK EXPANSION

ON-STREET PARKING AND STRIPING PLAN

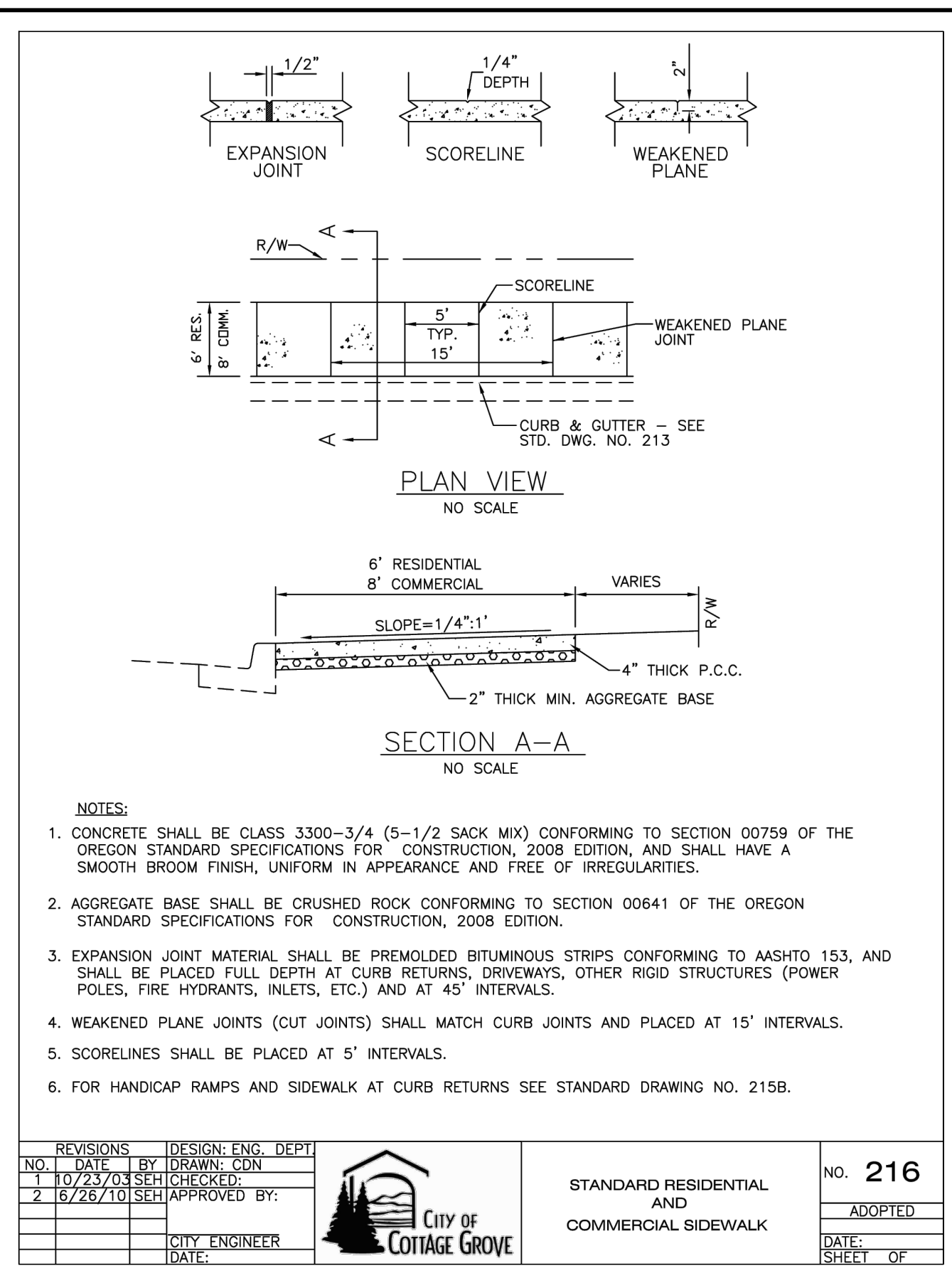
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Drawn By: ZZ Checked By: DG Date: 04/10/24

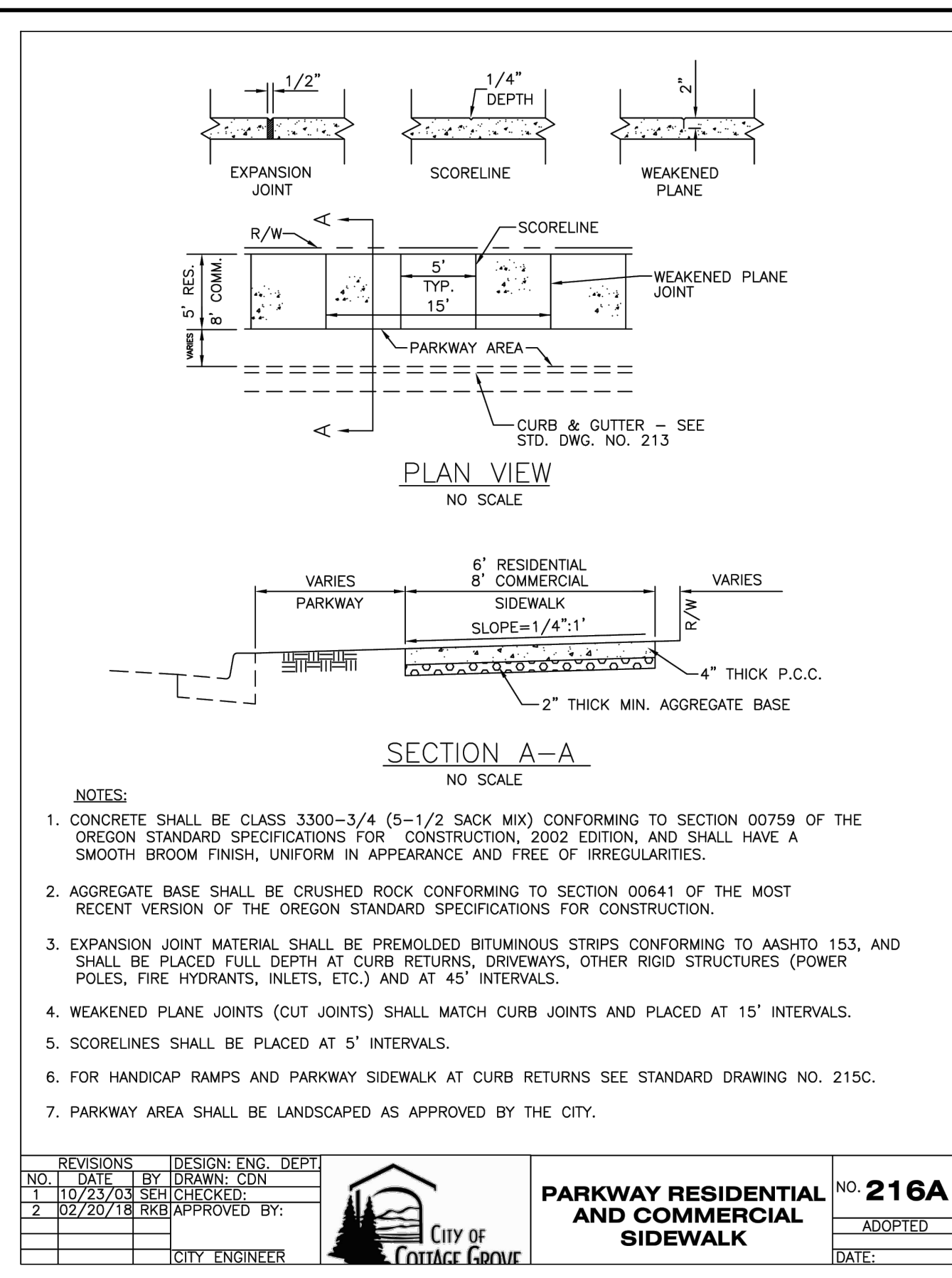
JOB No. 22-001K



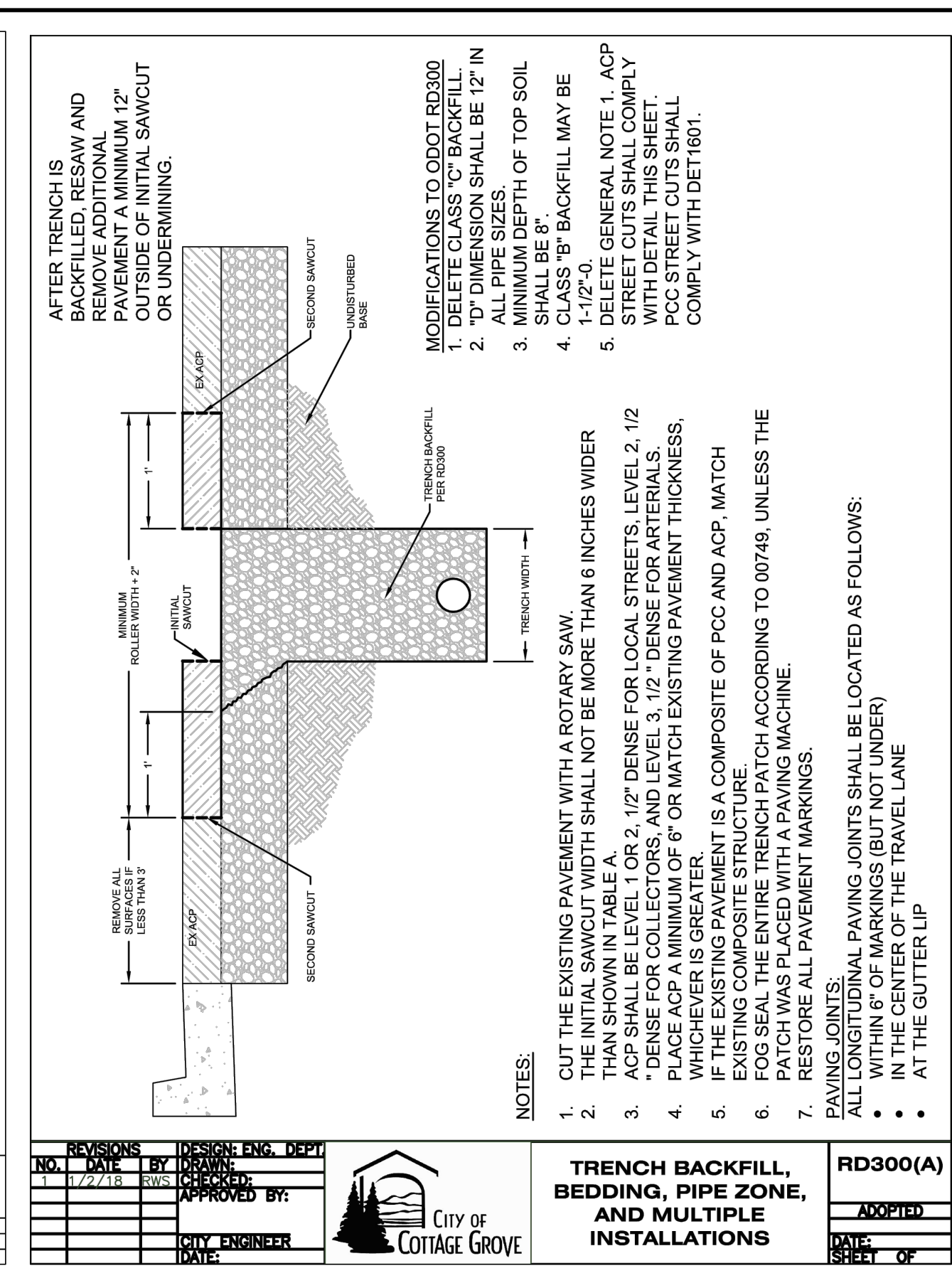
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APPROVED BY:					ADOPTED
CITY ENGINEER					DATE:
DATE:					SHEET OF



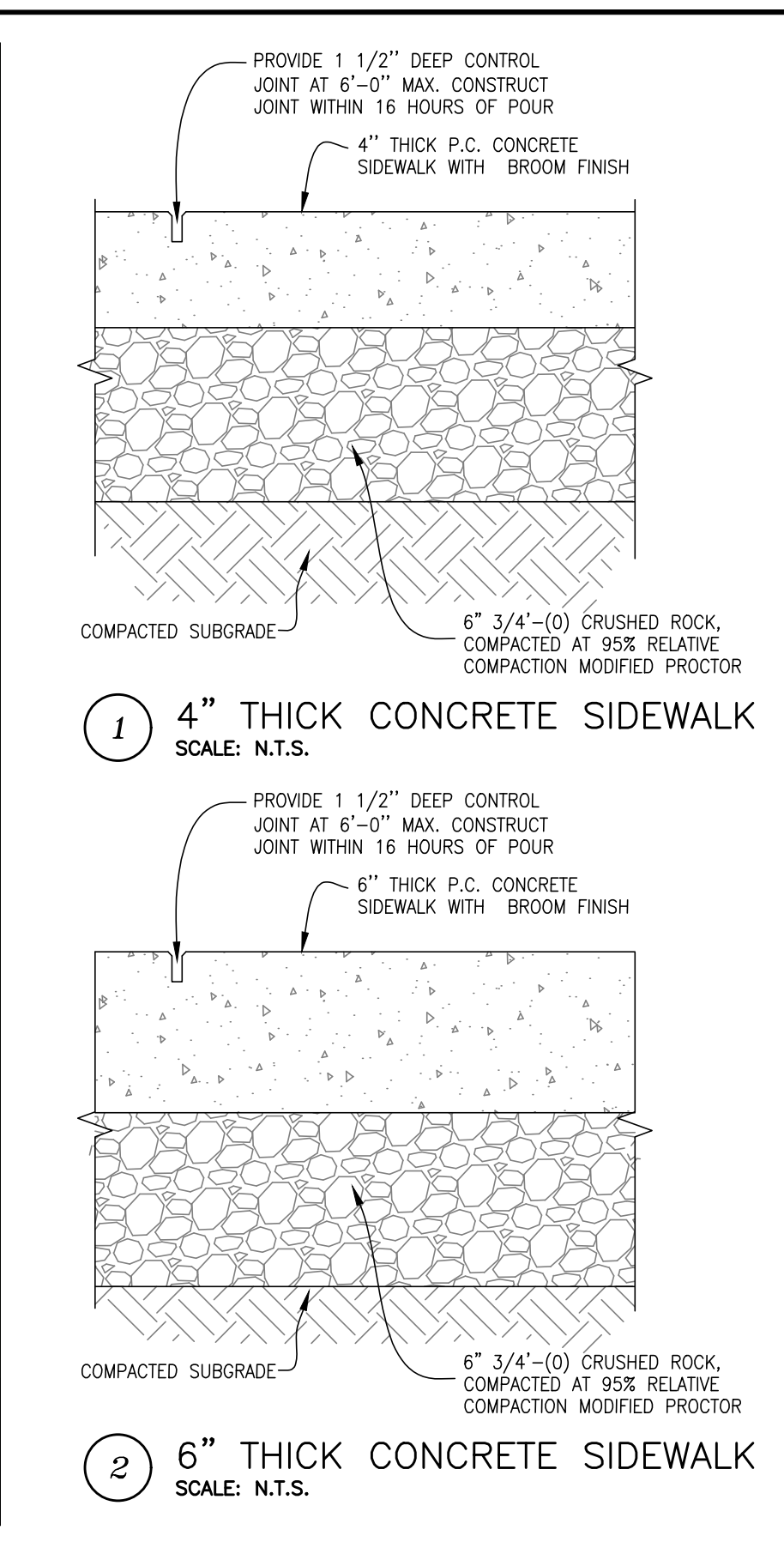
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CITY ENGINEER					DATE:
DATE:					SHEET OF



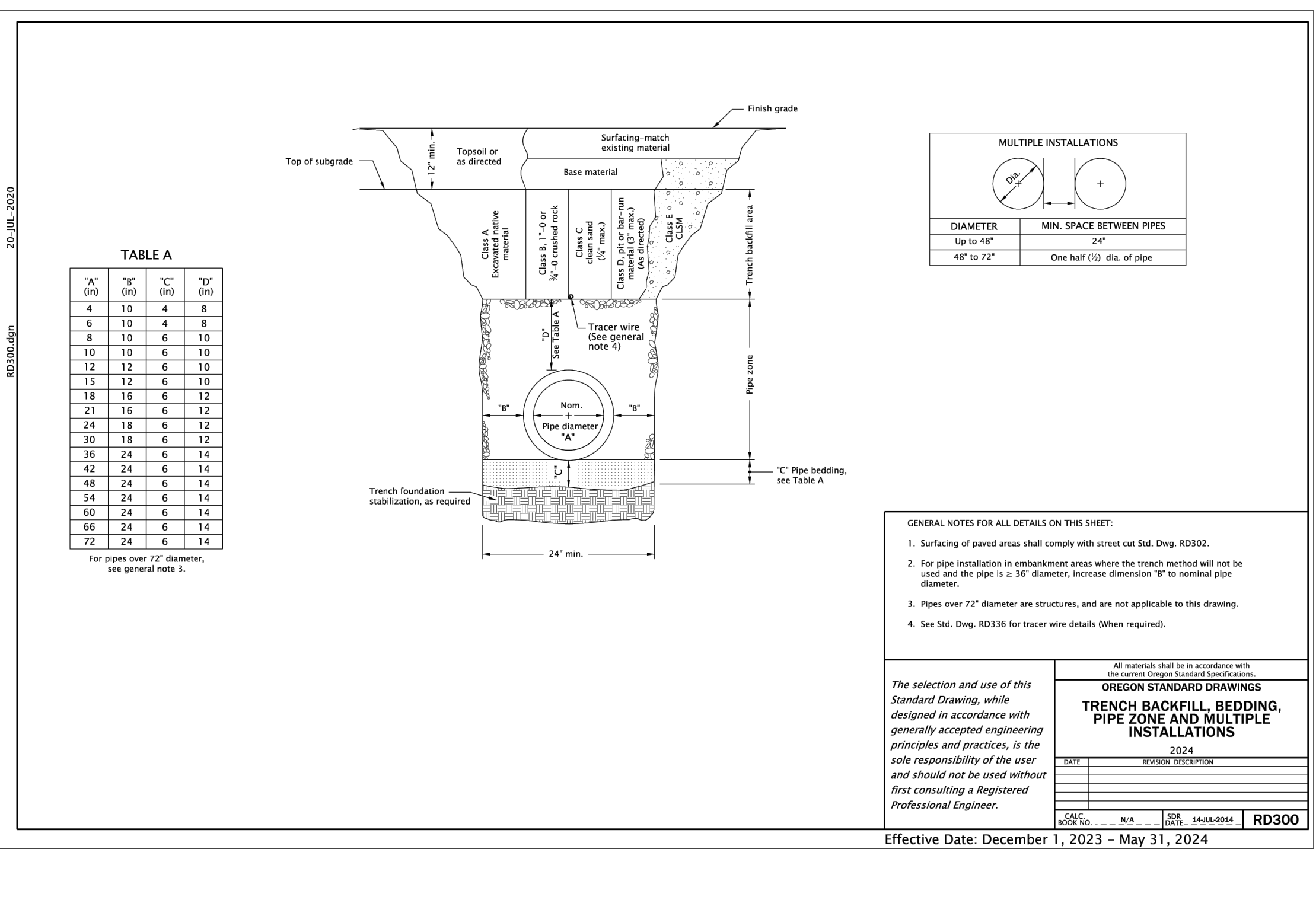
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CITY ENGINEER					DATE:
DATE:					SHEET OF



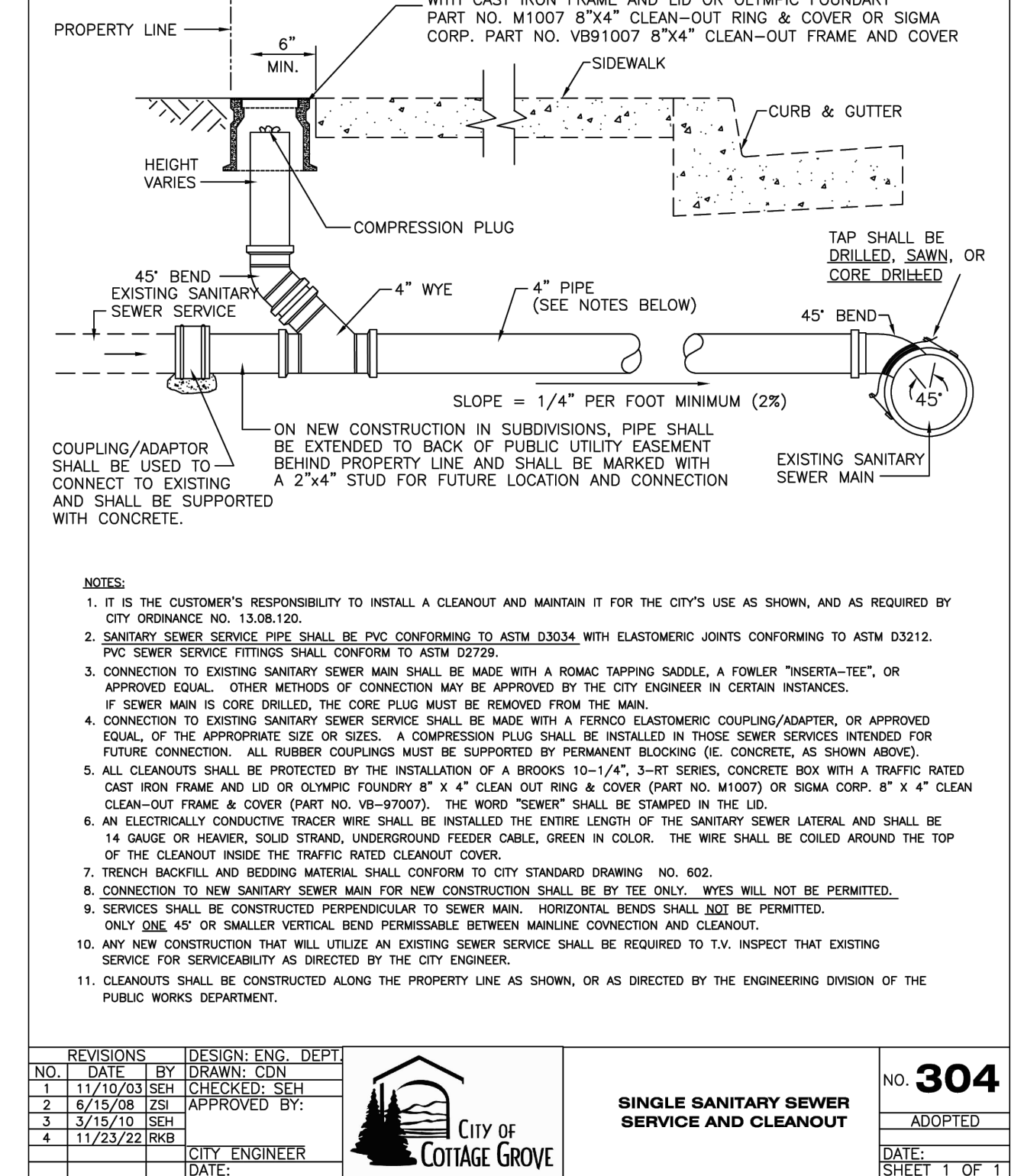
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APPROVED BY:					ADOPTED
CITY ENGINEER					DATE:
DATE:					SHEET OF



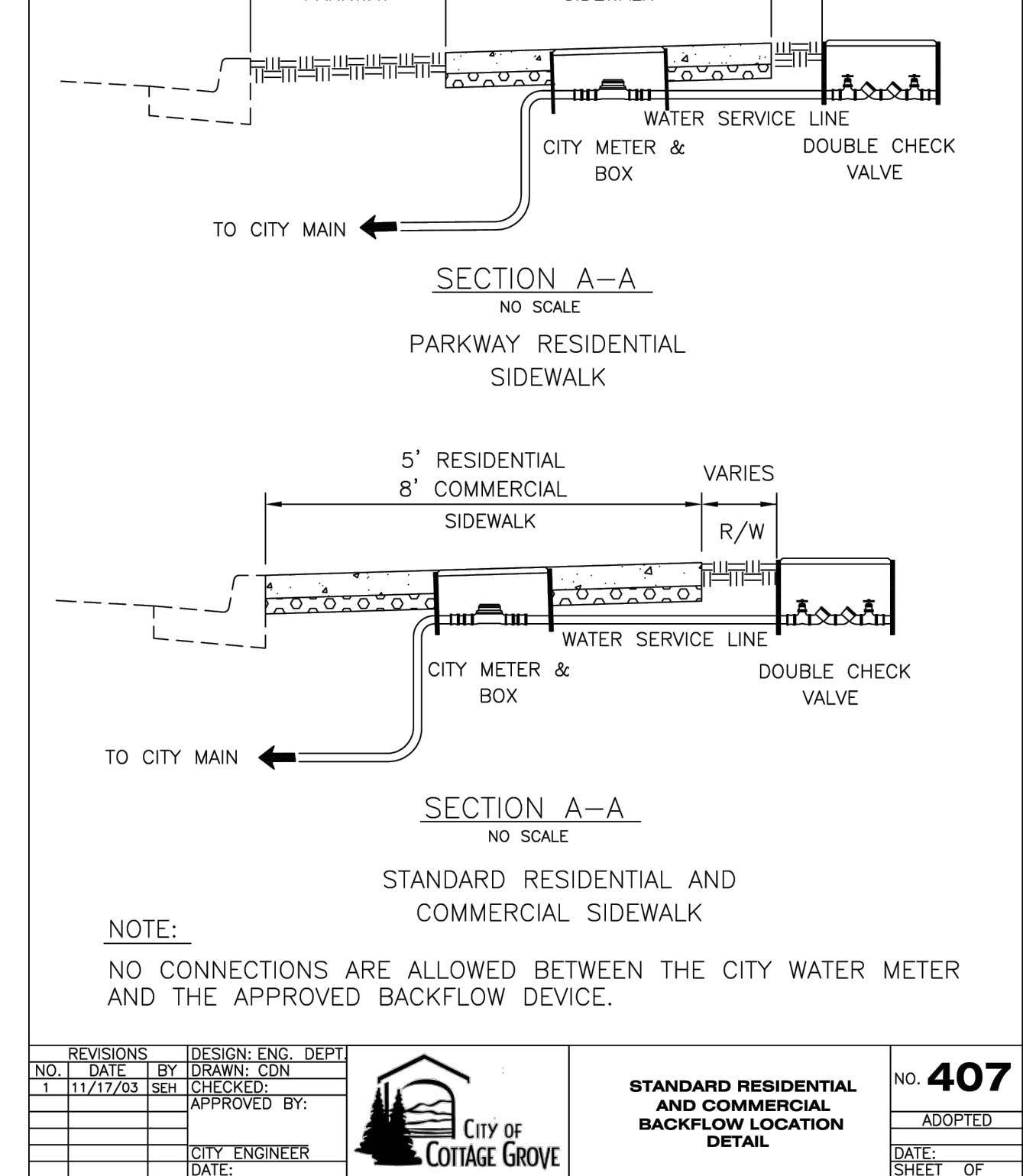
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APPROVED BY:					ADOPTED
CITY ENGINEER					DATE:
DATE:					SHEET OF



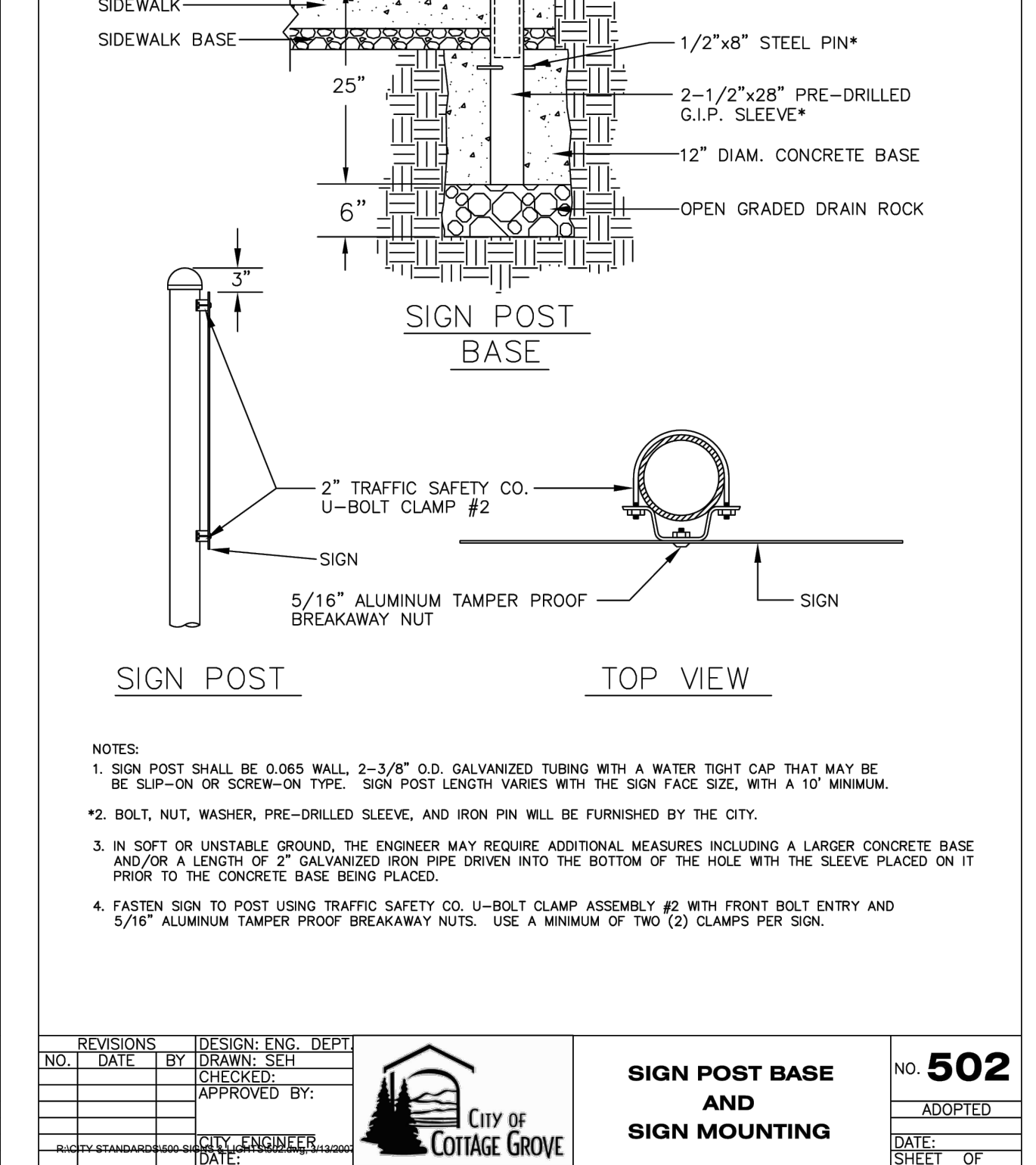
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CITY ENGINEER					DATE:
DATE:					SHEET OF



NO.	DATE	DESIGN/ENG. DEPT	BY	DATE	NO.
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APPROVED BY:					ADOPTED
CITY ENGINEER					DATE:
DATE:					SHEET OF



NO.	DATE	DESIGN/ENG. DEPT	BY	DATE	NO.
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APPROVED BY:					ADOPTED
CITY ENGINEER					DATE:
DATE:					SHEET OF



NO.	DATE	DESIGN/ENG. DEPT	BY	DATE	NO.
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DATE:					SHEET OF

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CITY OF COTTAGE GROVE BOHEMIA PARK EXPANSION

CIVIL DETAILS

Sheet No. **C400**

DRAWN BY:	CHECKED BY:	DATE:
ZZ	DG	04/10/24

JOB No. 22-001K

20-JUL-2020
RD700.dgn

O.D.O.T. & City of Portland Standard "H"=16"
STANDARD CURB
(See general note 11)

MOUNTABLE CURB
(See general note 11)

CURB ENDING DETAIL

CURB AND GUTTER

MOUNTABLE CURB AND GUTTER

LOW PROFILE MOUNTABLE CURB AND GUTTER
(Where shown on plans)

LOW PROFILE MOUNTABLE CURB
(See general note 11)

MODIFICATION FOR KEYWAY
(Where shown on plans)

WEEP HOLE DETAIL
(Where shown on plans)

VALLEY GUTTER
(Where shown on plans)

GUTTER PAN NOTES:
Slope 5.0% normal.
Slope 4.0% max. at curb ramps.
Vary slope as req'd. for drainage.
Vary where shown on plans, and allowed by jurisdiction.

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- 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".
- Const. curb expansion joints at 200' maximum spacing, and at points of tangency, and at ends of each driveway.
- Const. curb contraction joints at 15' maximum spacing, and at ends of each inlet and curb ramp.
- 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".
- 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.
- Dimensions are nominal, vary to conform with curb machine approved by the engineer.
- Dimensions adjacent to radii are measured to the point of intersection of curb surfaces.
- For sidewalk details, and monolithic curb & sidewalk, see Std. Dwg. RD720 & RD721.
- For drainage curbs, see Std. Dwg. RD701.
- For curb ramp details, see Std. Dwg. RD900 series.
- On or along state highways, curb and gutter is required at curb ramp.

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

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

OREGON STANDARD DRAWINGS

CURBS

2024

DATE	REVISION DESCRIPTION

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

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

20-JUL-2020
RD902.dgn

STREET CUT

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- All existing AC or PCC pavement shall be sawcut prior to repaving.
- Concrete pavement shall be replaced with concrete to a minimum thickness of 8" or to the thickness of removed pavement, whichever is greater.
- For joining new concrete to existing concrete, see contract plans for sepecific details.
- 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 RD902

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 DETAILS

DETAIL "A"

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Detectable warning surface details & locations are based on applicable ODOT Standards.
- See project plans for details not shown. See Std. Dwg. RD700 & RD701 for curbs.
- 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").
- 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 within 1/2 inch of each other and install anchors, as specified by manufacturers, along cut edge.
- Color to be safety yellow if no color specified in construction note. Alternative colors require a design exception on or along state highways.
- 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.
- 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).
- Detectable warning surface shall not be used on the following locations:
a) End of sidewalk transitions that are not at a crosswalk, (see Std. Dwg. 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.
- Where no curb is present, the detectable warning surface shall be placed at the edge of the roadway.
- On or along state highways, curb and gutter is required at curb ramps.

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

DETECTABLE WARNING SURFACE DETAILS

2024

DATE	REVISION DESCRIPTION

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

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

14-JAN-2022
RD905.dgn

CURB RAMP CROSSING GRADE BREAK ≤ 5 FT. FROM BACK OF CURB

CURB RAMP CROSSING GRADE BREAK > 5 FT. FROM BACK OF CURB

CURB RAMP CROSSING DIRECTIONAL CURB WITH FLARED CONSTRUCTION

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

- Detectable warning surface details & locations are based on applicable ODOT Standards.
- See project plans for details not shown. See Std. Dwg. RD700 & RD701 for curbs. See Std. Dwg. RD902 for detectable warning surface installation details.
- On or along state highways, curb and gutter is required at curb ramps.
- Detectable warning surface placement for perpendicular ramps vary as shown.
- Detectable warning surface placement across the grade break is prohibited.

LEGEND:

- Marked or intended crossing location
- Sidewalk
- Detectable warning surface
- Running slope 7.5% max. (Max. 8.3% finished surface slope)
- Flare slope (Max. 10.0% finished surface 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

DETECTABLE WARNING SURFACE PLACEMENT FOR DIRECTIONAL CURBS

2024

DATE	REVISION DESCRIPTION

CALC. BOOK NO. N/A SDR DATE 14-JAN-2022 RD905

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

2:1/2024:02-0014_Cottage Grove Bohemia Park Expansion Drawings 1:00 Percent 12-2024 Bohemia Park Expansion_041024_1008.dwg 4/17/2024 8:37 AM ZHANGHZ

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DAMIEN GILBERT
Expires: June 30, 2025

CITY OF COTTAGE GROVE ENGINEERING

400 Main Street Cottage Grove, OR 97424

REVISIONS:

No.	DESCRIPTION	DATE

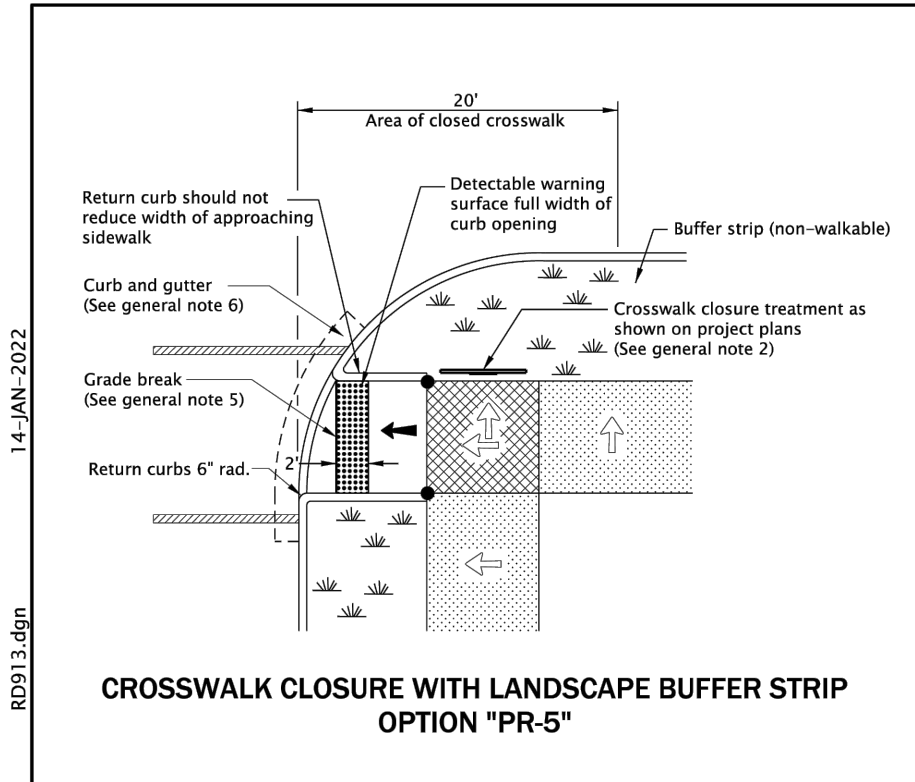
CITY OF COTTAGE GROVE BOHEMIA PARK EXPANSION

CIVIL DETAILS

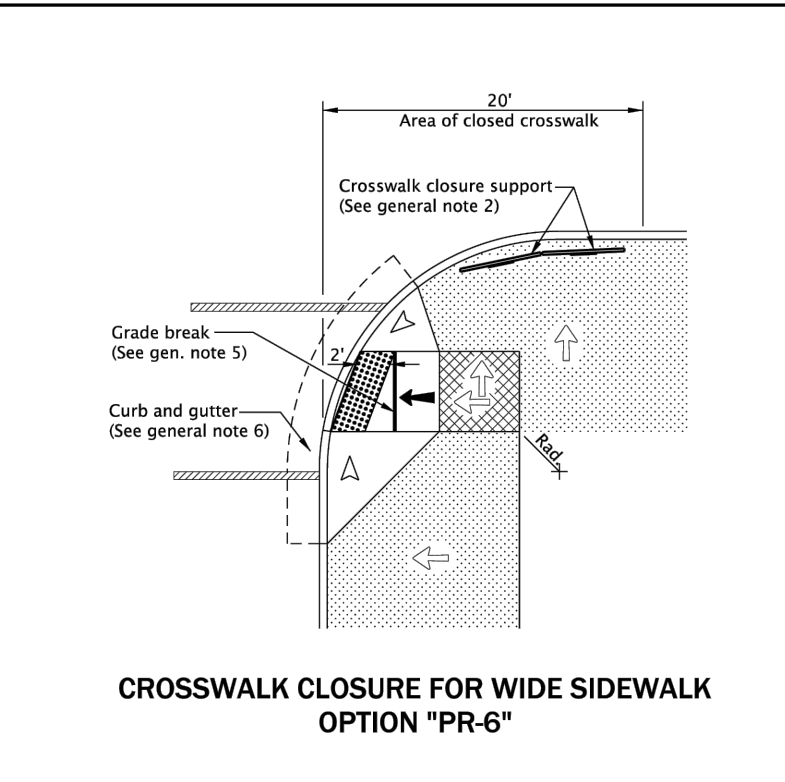
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DRAWN BY: ZZ CHECKED BY: DG DATE: 04/10/24

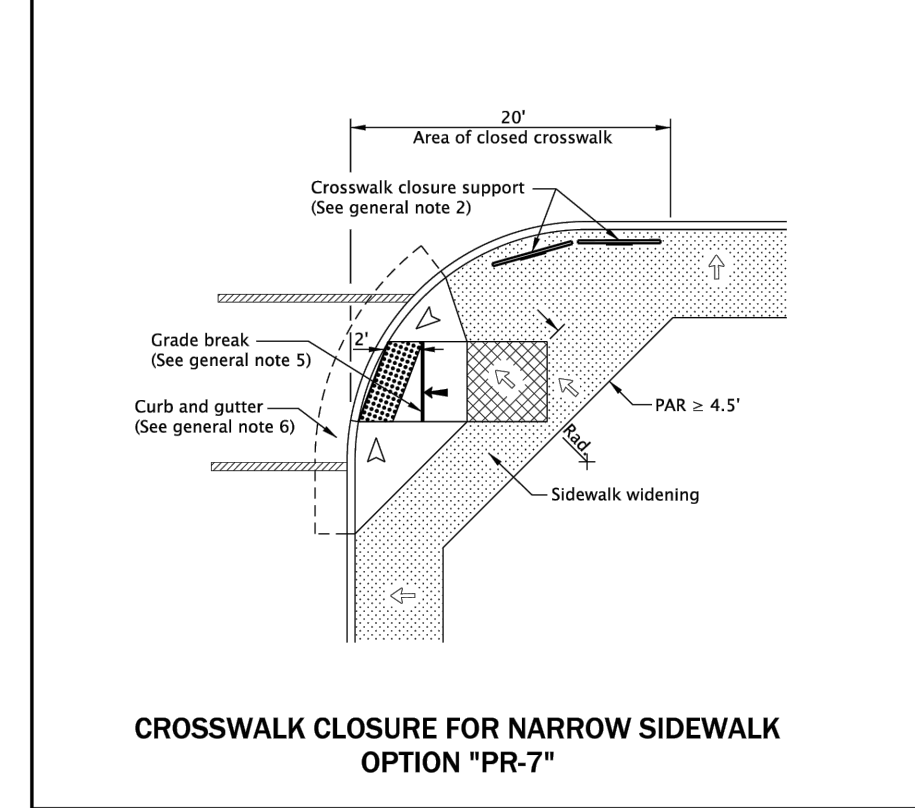
JOB No. 22-001K



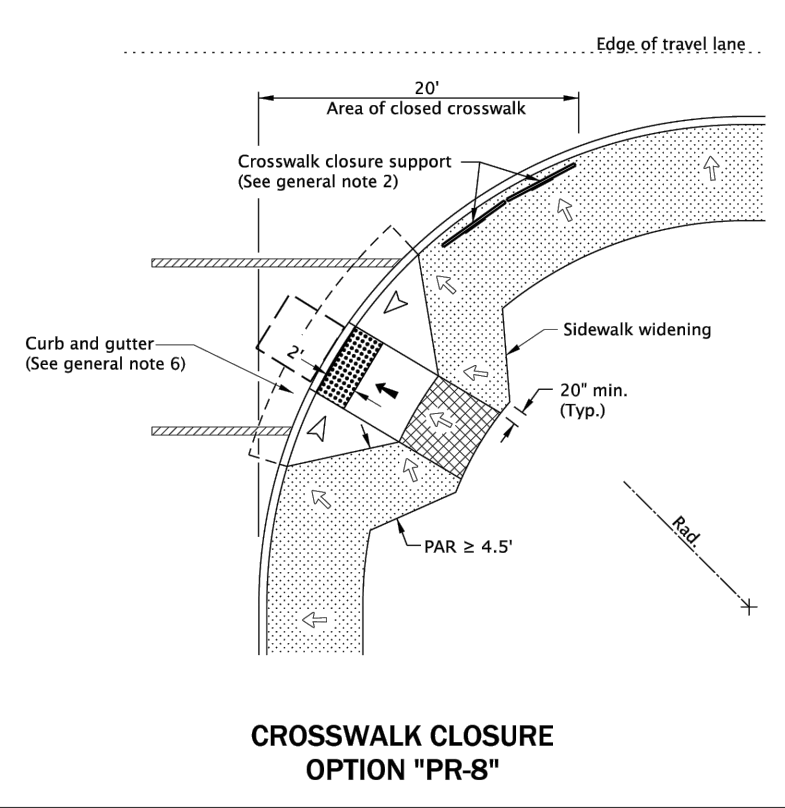
CROSSWALK CLOSURE WITH LANDSCAPE BUFFER STRIP
OPTION "PR-5"



CROSSWALK CLOSURE FOR WIDE SIDEWALK
OPTION "PR-6"



CROSSWALK CLOSURE FOR NARROW SIDEWALK
OPTION "PR-7"



CROSSWALK CLOSURE
OPTION "PR-8"

GENERAL NOTES FOR ALL DETAILS ON THIS SHEET:

1. Curb ramp details are based on applicable ODOT standards.
2. See project plans for details not shown.
3. Tooled dummy joints are required at all curb ramp grade break lines. (See Std. Dwg. RD722).
4. Curb ramp slopes shown are relative to the true level horizon (zero bubble).
5. 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.
6. On or along state highways, curb and gutter is required at curb ramps.

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

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

OREGON STANDARD DRAWINGS

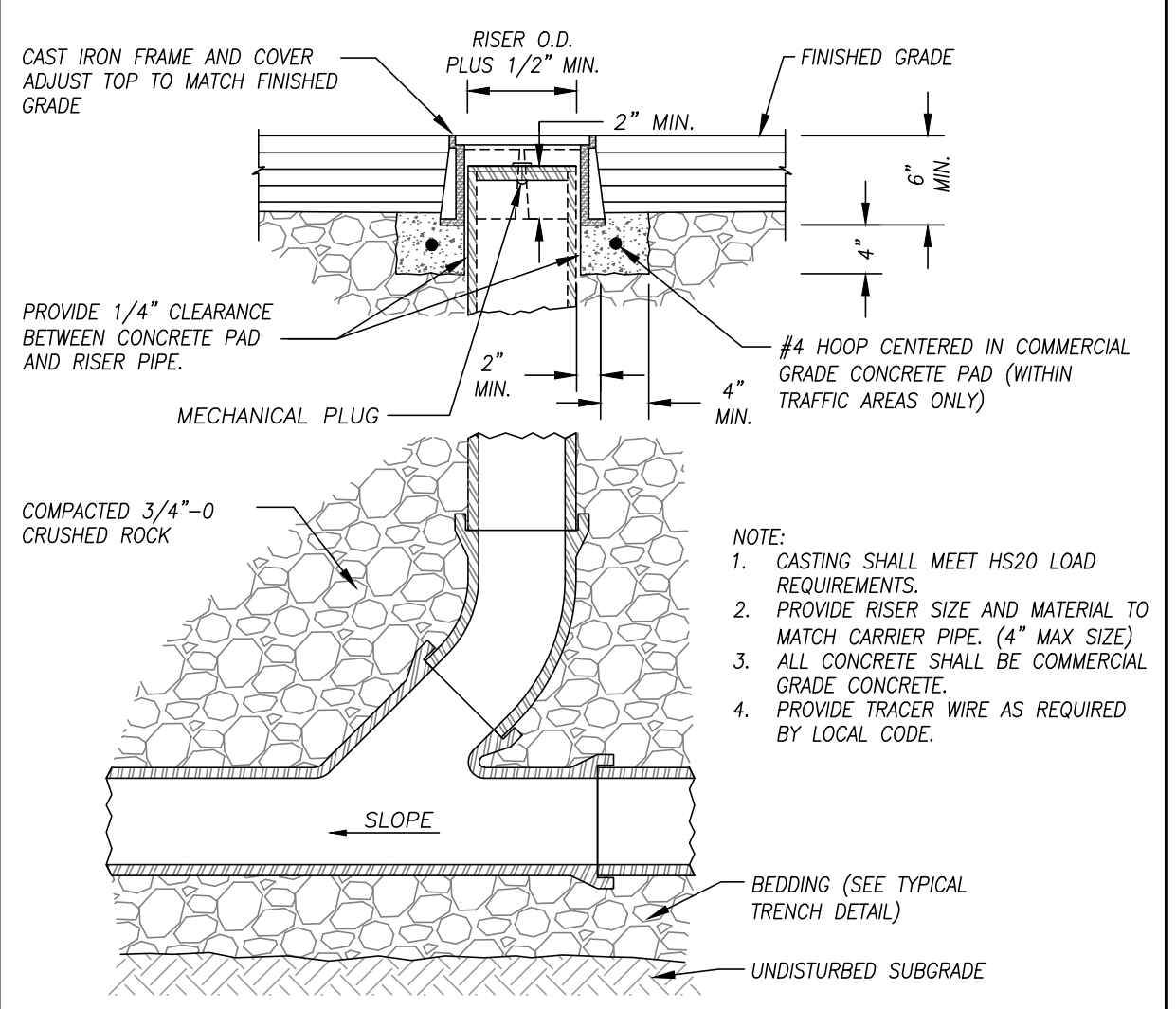
PERPENDICULAR CURB RAMP WITH CLOSURE

2024

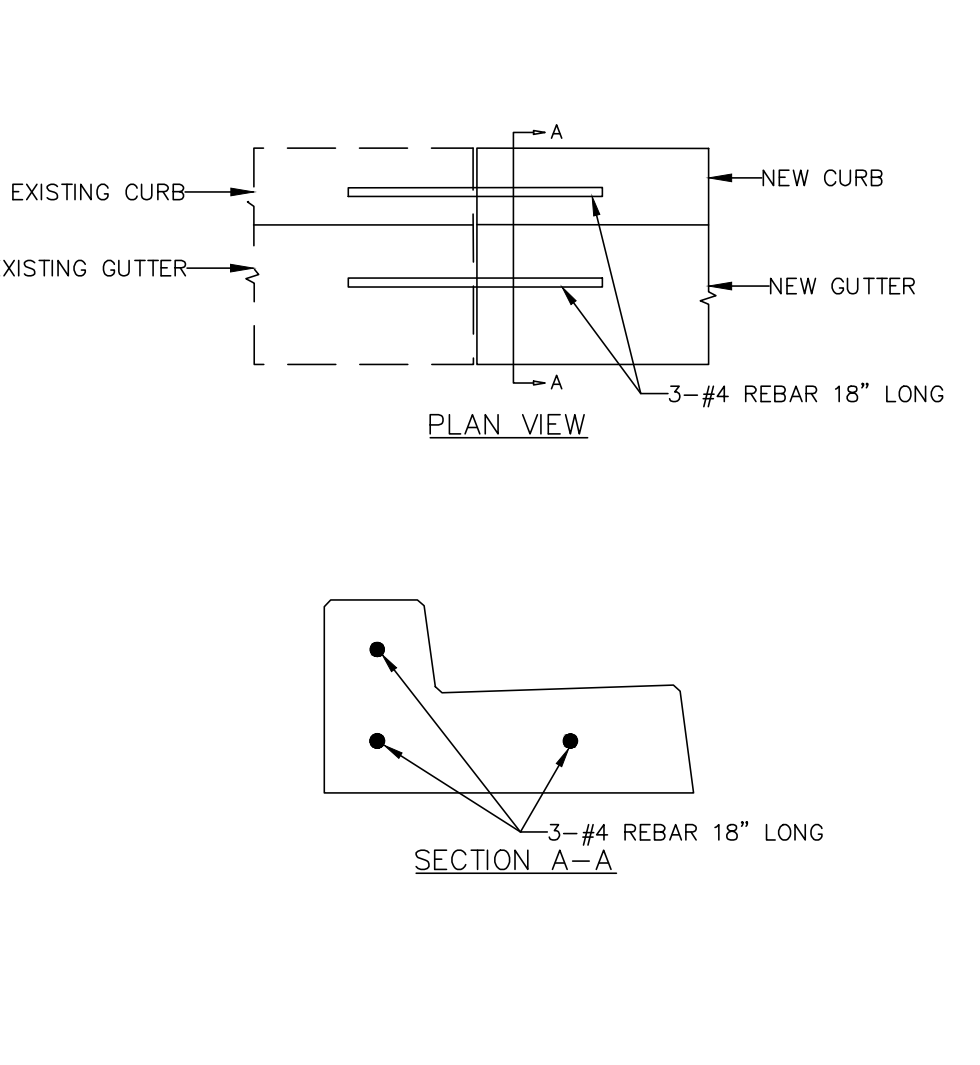
DATE	REVISION DESCRIPTION
01-2024	NEW DRAWING, CHECKED
01-2024	REVISED DETAIL AND NOTES
01-2024	REVISED NOTES

CALC. BY: N/A DATE: 14-JAN-2024 RD913

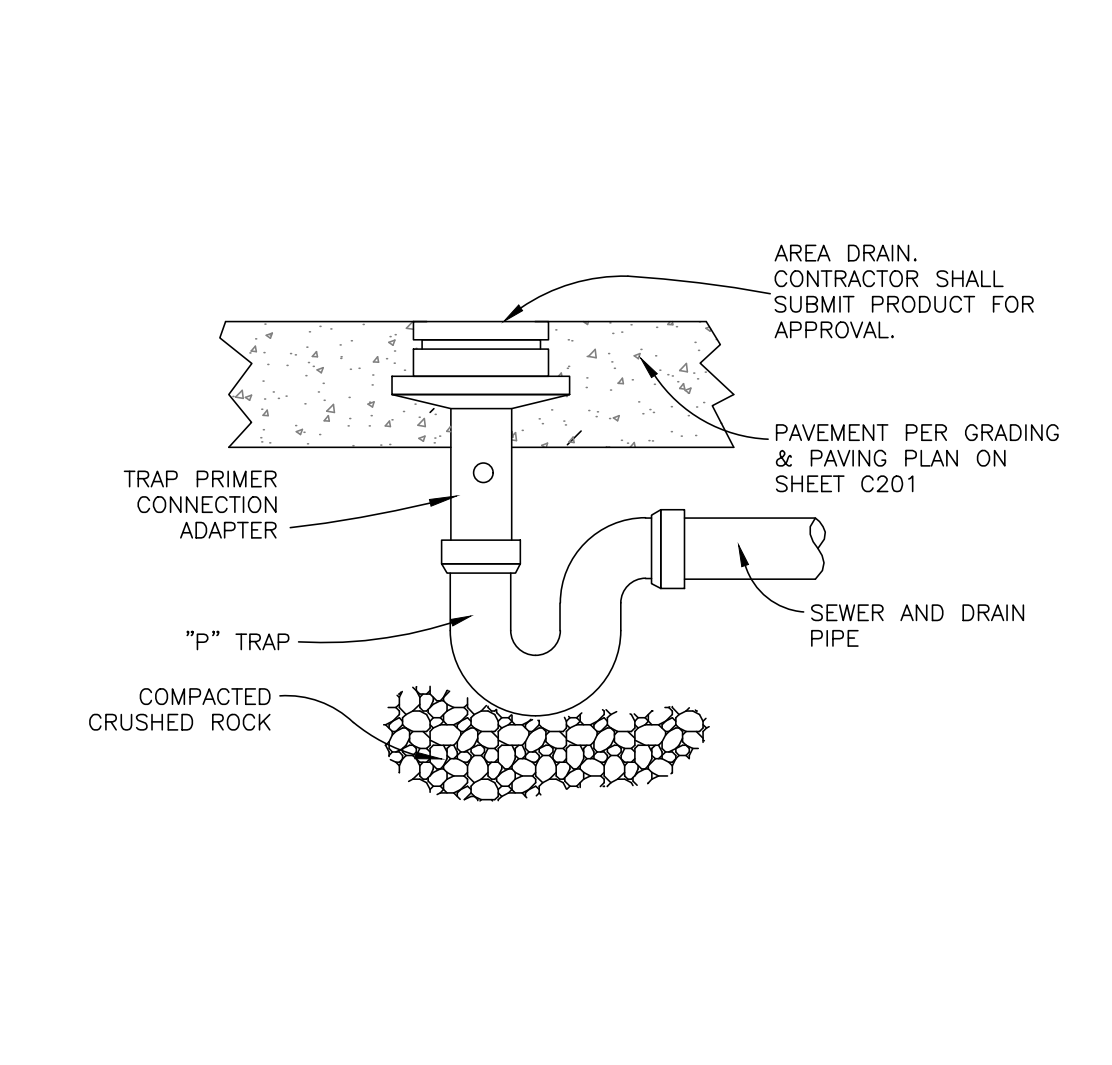
Effective Date: December 1, 2023 - May 31, 2024



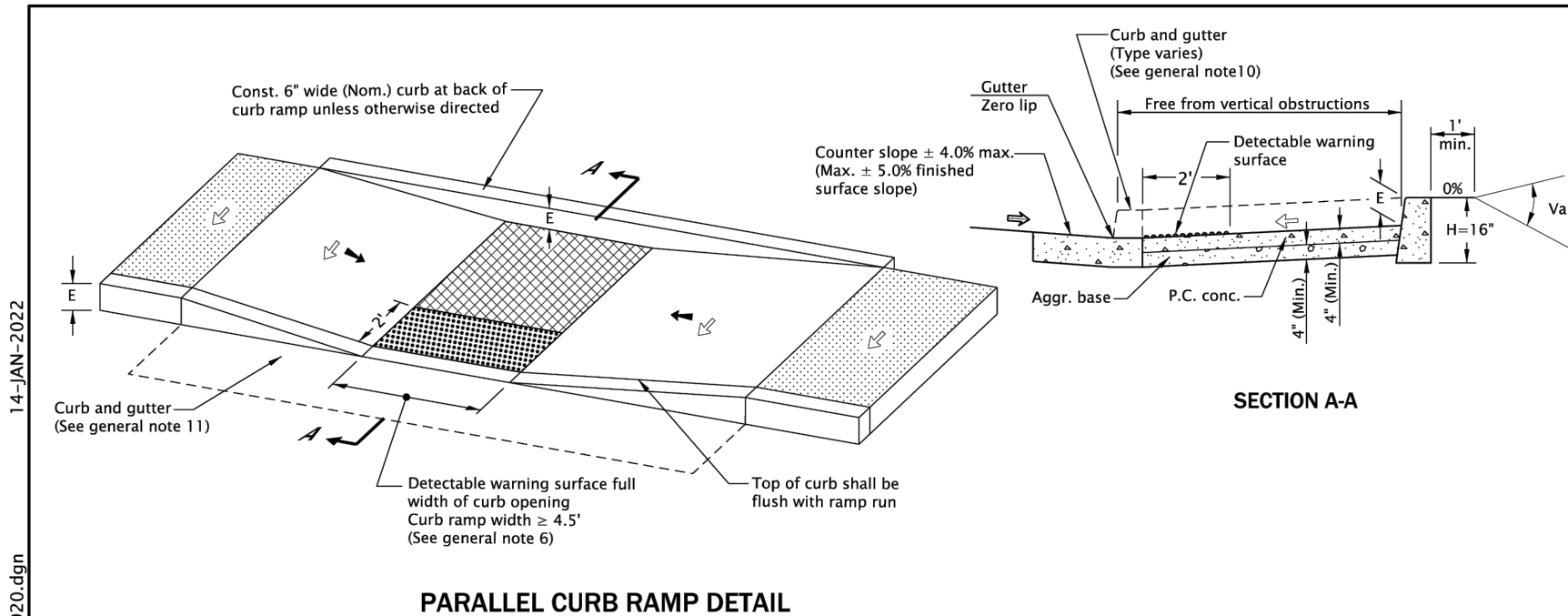
1 CLEANOUT
SCALE: N.T.S.



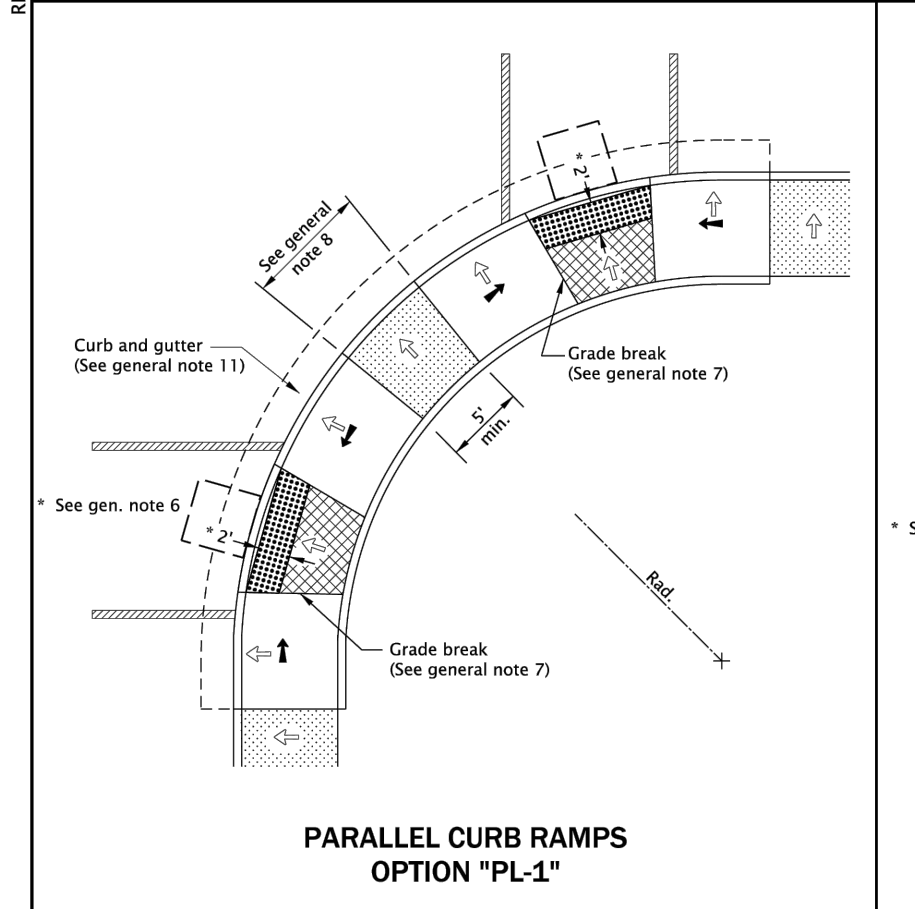
2 TIE IN NEW C&G TO EXISTING C&G
SCALE: N.T.S.



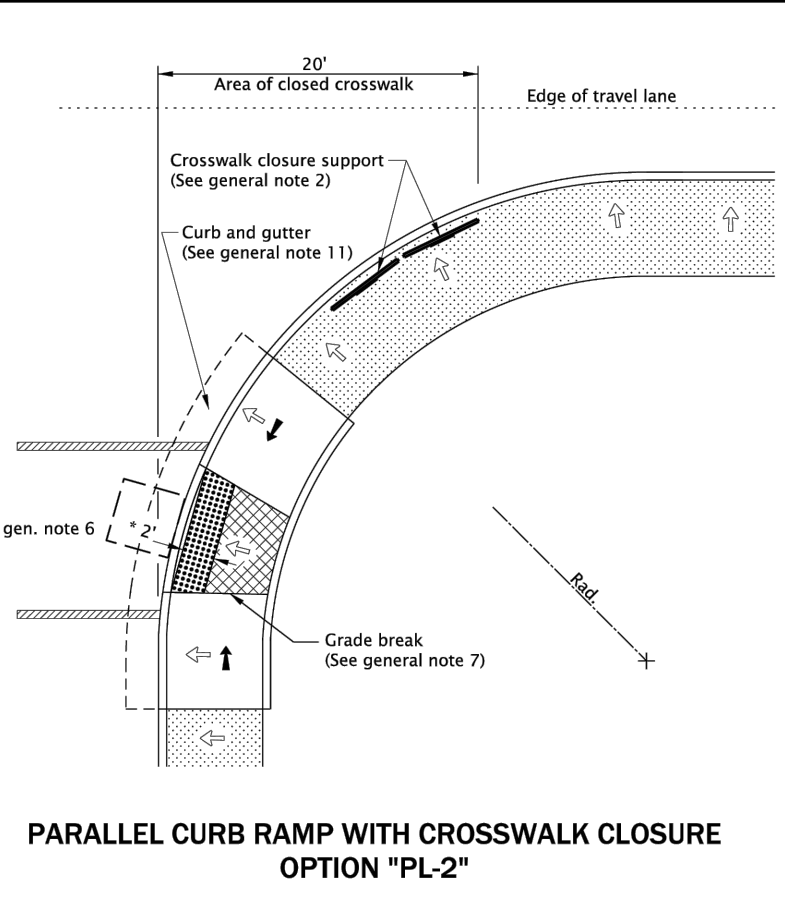
3 AREA DRAIN
SCALE: N.T.S.



PARALLEL CURB RAMP DETAIL



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. Dwg. RD700 & RD701 for curbs.
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

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

OREGON STANDARD DRAWINGS

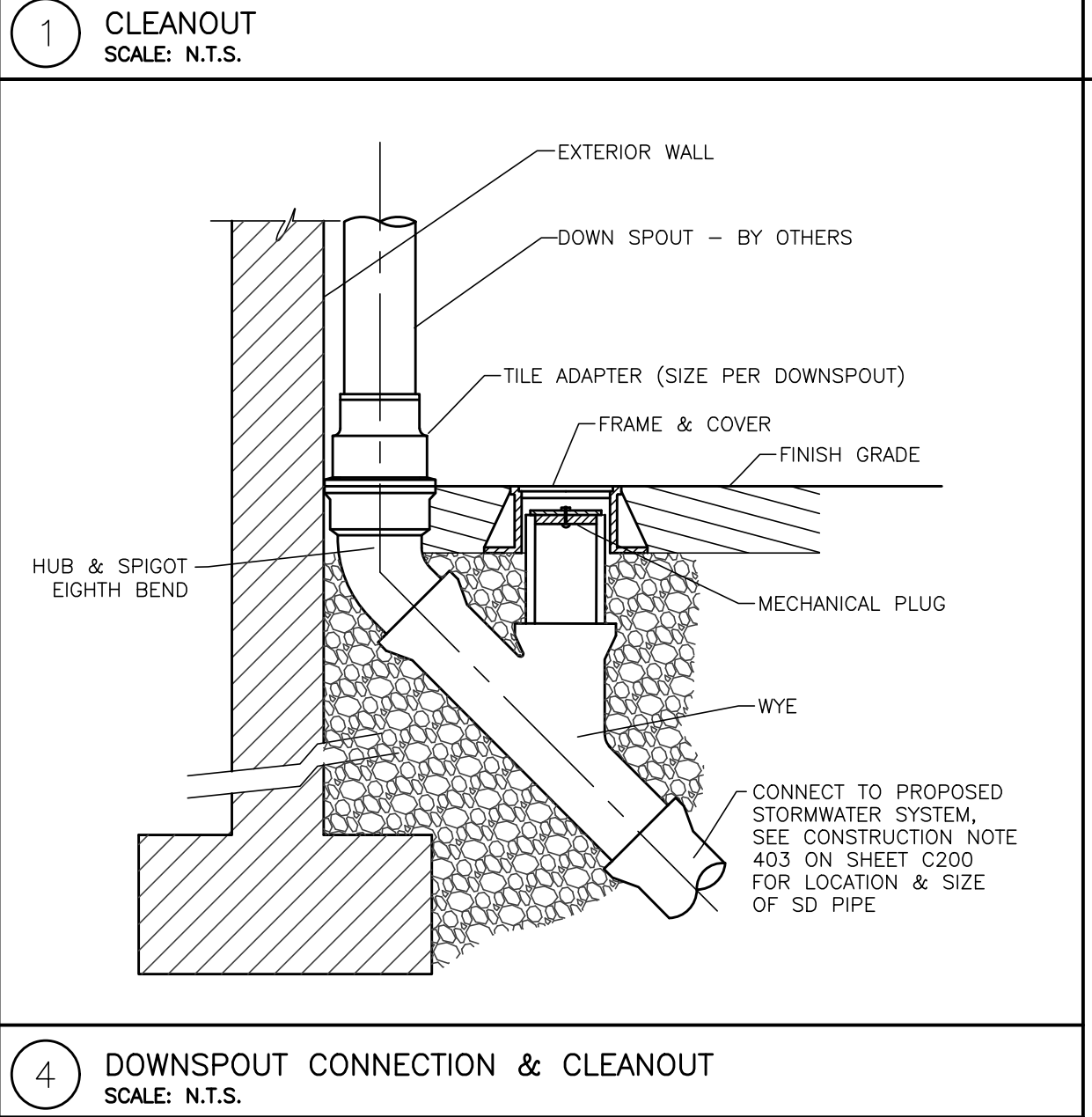
PARALLEL CURB RAMP

2024

DATE	REVISION DESCRIPTION
01-2024	NEW DRAWING, CHECKED
01-2024	REVISED DETAIL AND NOTES
01-2024	REVISED NOTES

CALC. BY: N/A DATE: 14-JAN-2024 RD920

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



4 DOWNSPOUT CONNECTION & CLEANOUT
SCALE: N.T.S.

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**CITY OF COTTAGE GROVE
BOHEMIA PARK EXPANSION**

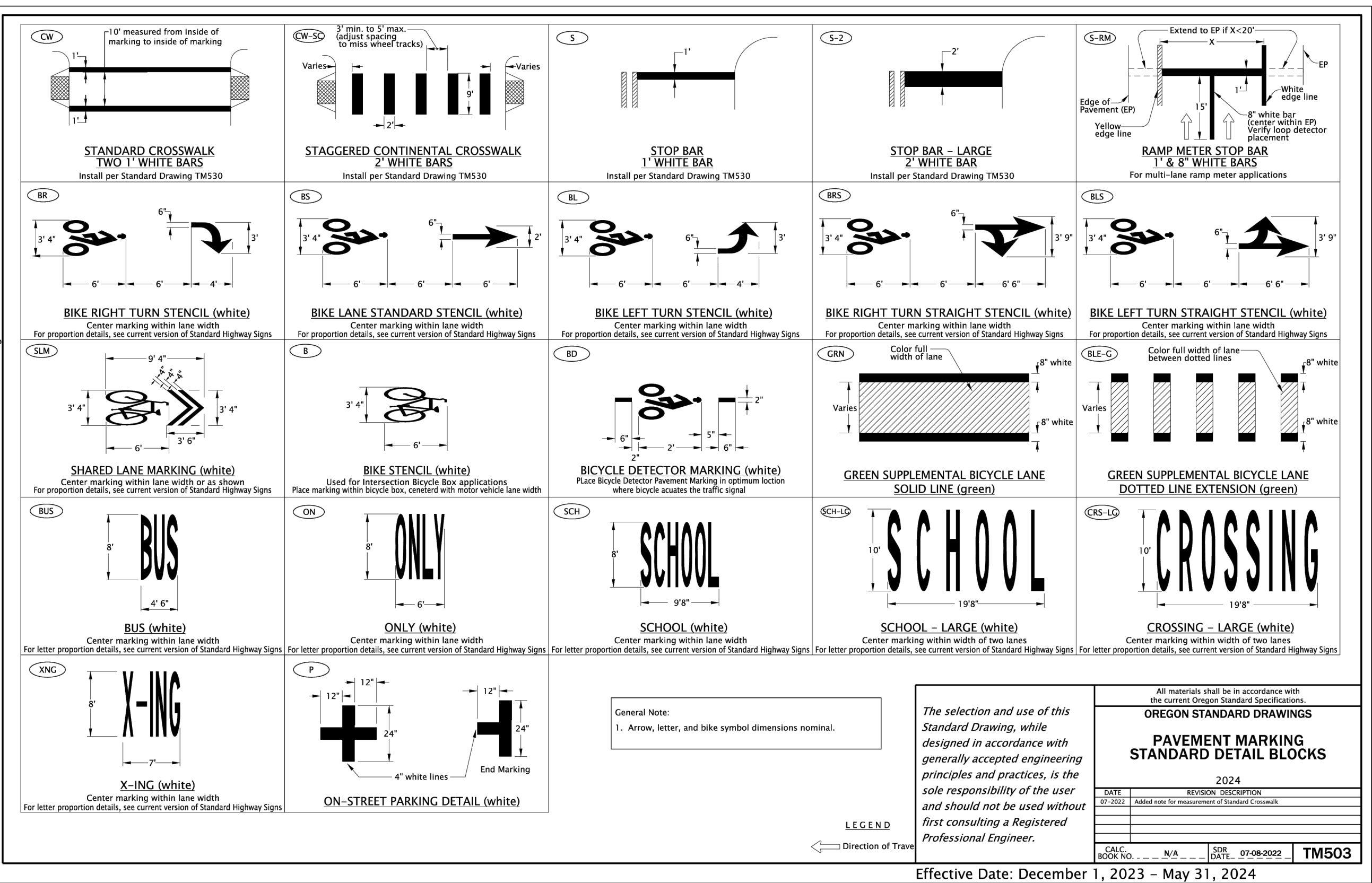
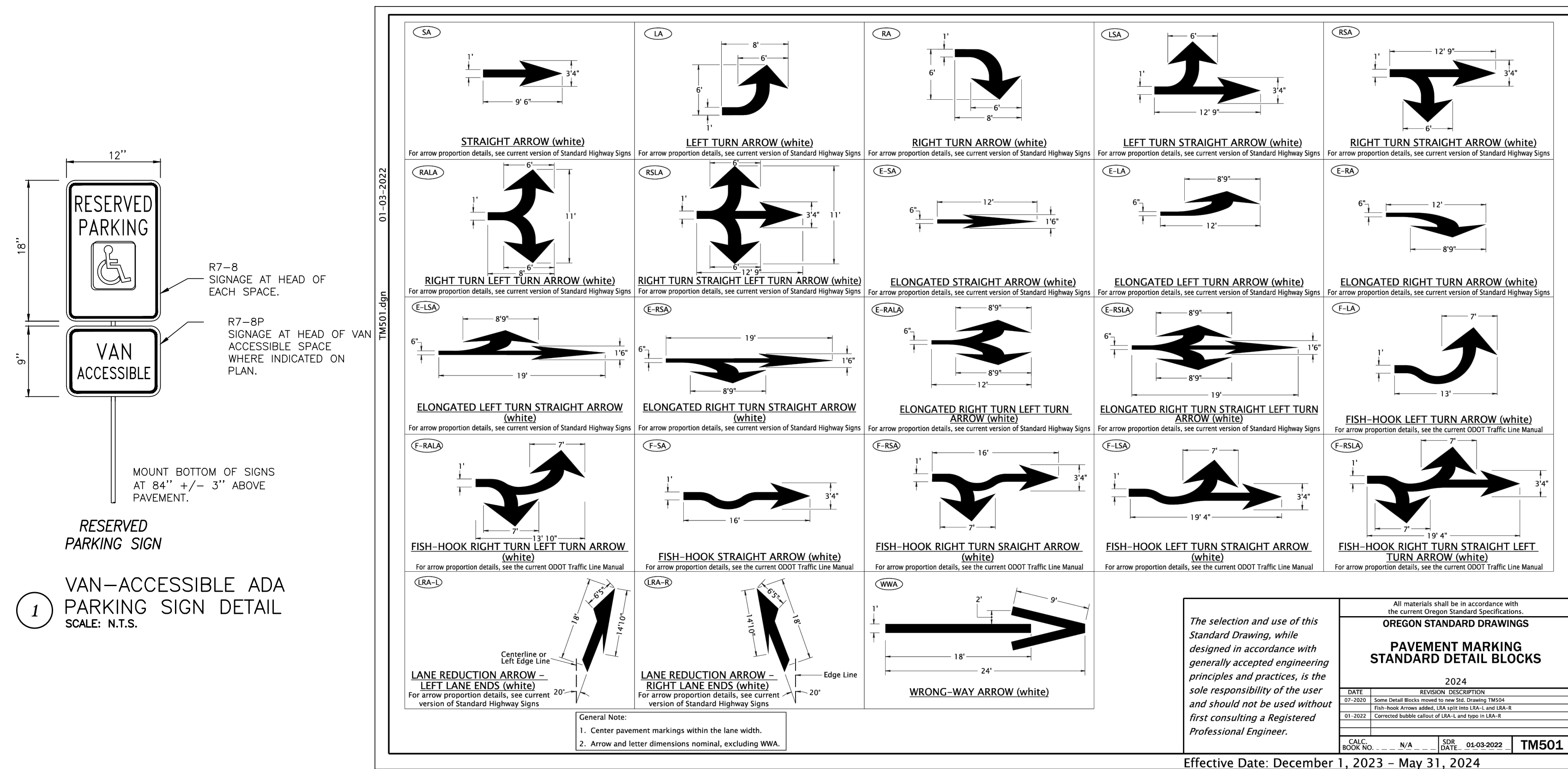
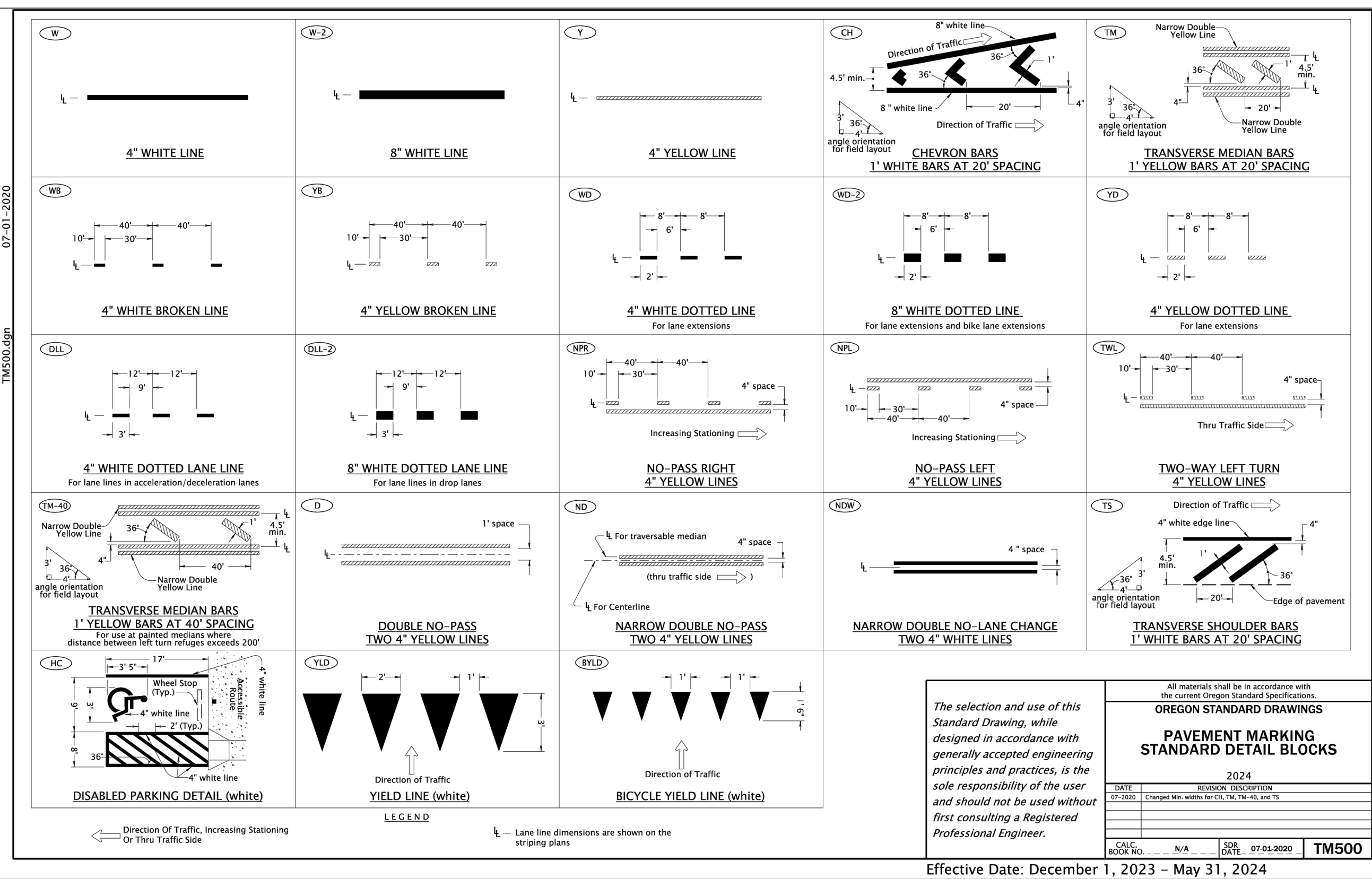
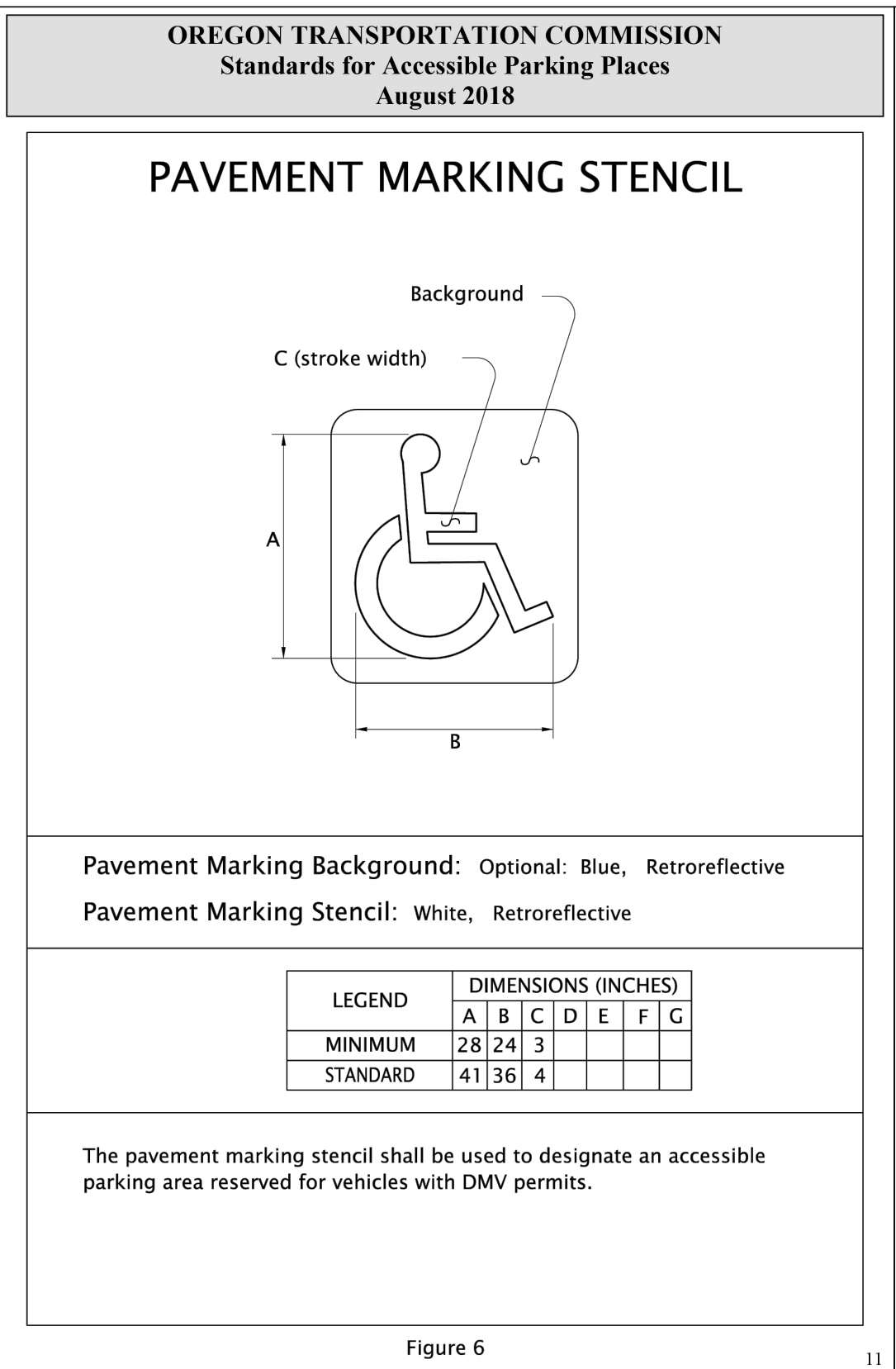
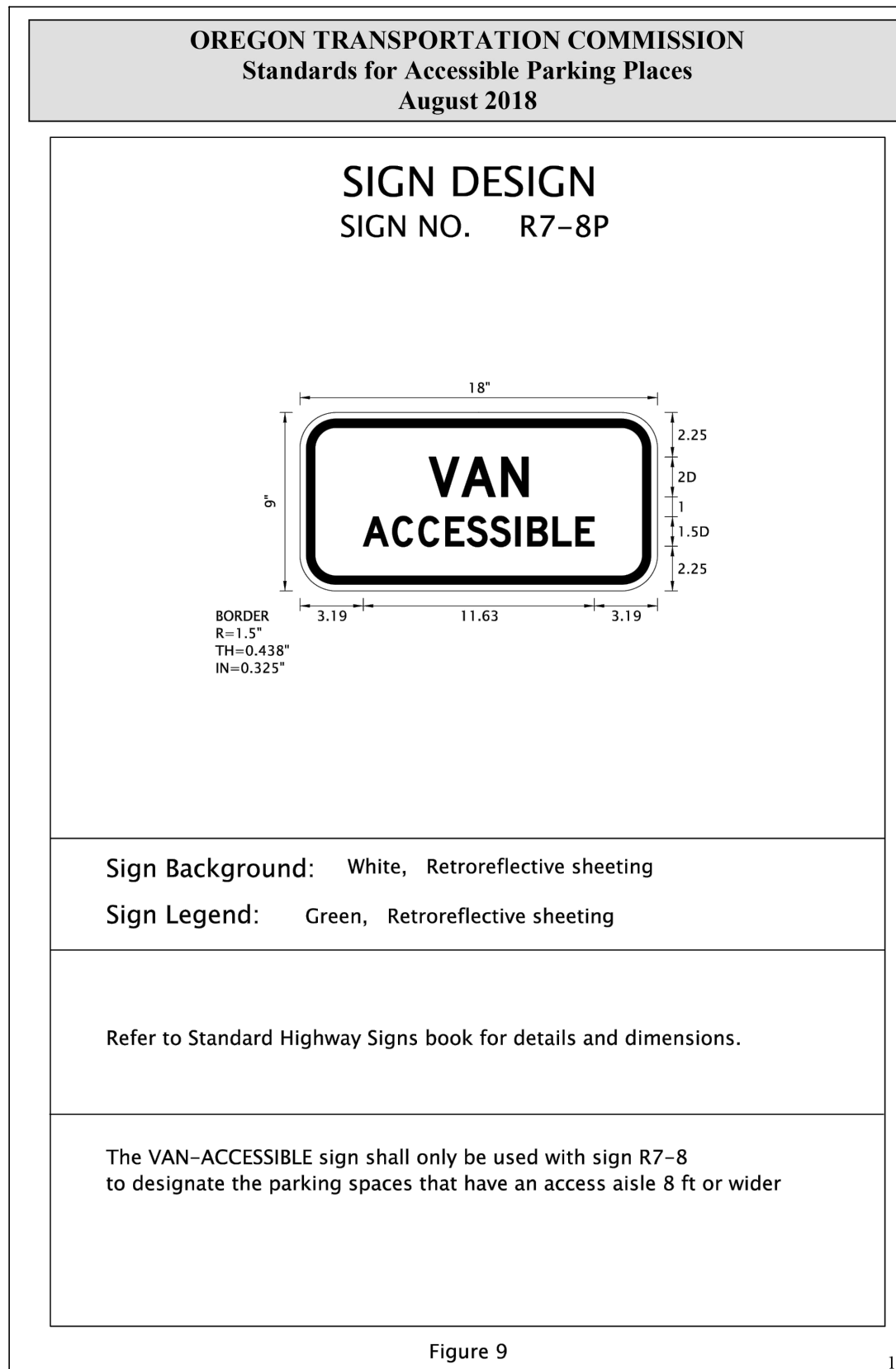
CIVIL DETAILS

Sheet No. **C402**

DRAWN BY: ZZ CHECKED BY: DG DATE: 04/10/24

JOB No. 22-001K

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21/2022(12-01)14 Cottage Grove Bohemia Park Expansion Drawings 1100 Permitt(12-01)14 Bohemia Park Expansion Drawing 04/02/24_1100R.dwg 4/11/2024 8:33 AM ZH0070Z

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REVISIONS:		
No.	DESCRIPTION	DATE

**CITY OF COTTAGE GROVE
BOHEMIA PARK EXPANSION**

CIVIL DETAILS

Sheet No. **C403**

DRAWN BY: ZZ CHECKED BY: DG DATE: 04/10/24 JOB No. 22-001K

07-01-2020
TM560.dgn

CONTROL POINT

1' TYP.

CONTROL POINT LAYOUT – TANGENT SECTIONS

50' max. 50' max. 50' max.

CONTROL POINT LAYOUT – CURVE SECTIONS

25' max. 25' max. 25' max.

General note:

1.) Use control points to make continuous narrow guideline as specified.

* Control points are placed along the lane line for all longitudinal lines except the following:

ND For center lines only A control point layout 4" offset from the lane line is required for a ND line when used as a center line.

LEGEND

— Lane line dimensions are shown on the striping plans.

To be accompanied by Standard Dwg. Nos. TM500 thru TM504

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

OREGON STANDARD DRAWINGS

ALIGNMENT LAYOUT: GENERAL

DATE	REVISION DESCRIPTION
2024	
07-2020	Revised accordance by drawings to include NADSS

CALC. BOOK NO. N/A SDR DATE 07-01-2020 **TM560**

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

06-JUL-2022
TM530.dgn

PAVEMENT MARKINGS FOR TYPICAL INTERSECTION

4 min. to 30' max.

4 min. to 30' max.

15' min.

Edge line termination if shoulder width is 8' or more

Detail 'A' STOP BAR PLACEMENT WITH RESPECT TO PEDESTRIAN RAMP

2 to 3' from throat of ramp edge to stop bar

Detail 'B' STOP BAR PLACEMENT WITH RESPECT TO TURN RADI

Place stop bar outside of turning vehicle's swept path

Swept path of turning vehicle

STAGGERED CONTINENTAL LAYOUT

2' strips with 3' to 5' gaps (strips should be oriented on L and LW2 to avoid wheel tracks)

STANDARD CROSSWALK BARS AT INTERSECTION

2' min. (Both sides of diagonal ramp)

4' min.

General Note:

1. Install crosswalk bars such that the throat of the ADA ramp is entirely within crosswalk markings, or 5' back of extended fog line, edge of pavement, or curb face.

LEGEND

— Direction of Travel

— Lane line dimensions are shown on the striping plans

To be accompanied by Standard Dwg. Nos. TM500 thru TM504

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

OREGON STANDARD DRAWINGS

INTERSECTION PAVEMENT MARKINGS (CROSSWALK STOP BAR & BIKE LANE STENCIL)

DATE	REVISION DESCRIPTION
2024	
07-2022	Added Roadway Standard Drawing reference to detail for clarity

CALC. BOOK NO. N/A SDR DATE 06-18-2022 **TM530**

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

07-01-2020
TM561.dgn

LEFT TURN LANE ALIGNMENT LAYOUT

Left Turn Lane Width

layout line (center gun)

Centerline Alignment Layout

Lane Width

layout line (center gun)

Lane Width

Median Alignment Layout

Median Width

layout line (center gun)

layout line (center gun)

General note:

1.) Install control points for pavement marking alignment layout along the center gun location.

2.) Increasing stationing from left to right

LEGEND

— Direction of Travel and Thru Traffic Side.

— Lane line dimensions are shown on the striping plans.

— Direction of striping truck (may go either direction)

— Direction of striping truck (may go one direction only)

— Three gun installation system (center dot represents center gun)

Line Types requiring control points to be a 4" offset from lane line:

ND For centerlines only

4" Offset of Lane Line and Center Gun

4" Offset of Lane Line and Center Gun

To be accompanied by Standard Dwg. Nos. TM500 thru TM504

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

OREGON STANDARD DRAWINGS

ALIGNMENT LAYOUT: LEFT TURN LANE, CENTERLINE & MEDIANS

DATE	REVISION DESCRIPTION
2024	
07-2020	Revised accordance by drawings to include NADSS

CALC. BOOK NO. N/A SDR DATE 07-01-2020 **TM561**

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

30-JUN-2022
RD317.dgn

SECTION A-A SLOPED OR PROJECTING END

Riprap protection when directed

See Std. Dwg. RD316, general note 4

SECTION B-B SLOPED END WITH SLOPE PAVING

Riprap protection when directed

Cutoff wall when shown on plans or directed

See Std. Dwg. RD316, general note 4

SECTION C-C HEADWALL AND WINGWALLS

Riprap protection when directed

Wingwall and headwall

Cutoff wall when shown on plans or directed

See Std. Dwg. RD316, general note 4

EMBANKMENT PROTECTION

Channel bottom

Embankment protection

Outlet invert

Riprap geotextile

Riprap pad (2)

Riprap geotextile

Cutoff wall

Riprap geotextile

Riprap pad with cutoff wall, elevation view

Riprap pad, end view

RIPRAP PAD NOTES:

- Do not excavate non-erodible rock in order to place riprap.
- Use riprap geotextile under Class 200 and Class 700 loose riprap.
- Top width (W) of the riprap pad is the larger of 5B or the width of the embankment slope protection.

RIPRAP PADS

GENERAL NOTES FOR ALL DETAILS:

- See Std. Dwg's. RD300 & RD304 for installation details.
- Open ends of pipes normally require a site specific design, and may require special treatment (sloped ends, culvert embankment protection, paved end slopes, safety end sections, or other measures). See special details or Standard Drawings as called for on plans.

TABLE A – Embankment Slope Protection

Riprap Class	T Distance
50	12 Inches
100	18 Inches
200	24 Inches +
700	36 Inches +

* Riprap geotextile required between riprap and embankment

TABLE B – Riprap Pad Dimensions

Riprap Class	L' (ft)	T (ft)
50	48 or 1.3	2.3
100	48 or 1.6	3.3
200	48 or 2.0	4.3
700	48 or 3.3	5.6

* L' is the greater of 48 or the listed dimension.

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

CULVERT EMBANKMENT PROTECTION AND RIPRAP PADS

DATE	REVISION DESCRIPTION
2024	
07-2022	Revised accordance by drawings to include NADSS

CALC. BOOK NO. N/A SDR DATE 30-JUN-2022 **RD317**

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Expires: June 30, 2025

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400 Main Street Cottage Grove, OR 97424

REVISIONS:

No.	DESCRIPTION	DATE

CITY OF COTTAGE GROVE
BOHEMIA PARK EXPANSION

CIVIL DETAILS

Sheet No. **C404**

DRAWN BY: ZZ CHECKED BY: DG DATE: 04/10/24

JOB No. 22-001K

BOHEMIA PARK EXPANSION FOR THE CITY OF COTTAGE GROVE

101 SOUTH 10TH STREET
COTTAGE GROVE, OREGON

SITE INFORMATION

- TYPE OF DEVELOPMENT: PUBLIC IMPROVEMENT
- CONSTRUCTION ACTIVITY WILL CONSIST OF:
 - NEW PAVING
 - UTILITY INSTALLATION
 - LIGHTING INSTALLATION
 - LANDSCAPE IMPROVEMENTS
 - PROJECT TIMELINE:

CLEARING:	SPRING, 2024	CUT AND FILL VOLUMES ARE FROM THE EXISTING SURFACE TO FINISHED GRADE SURFACE.
MASS GRADING:	SPRING/SUMMER, 2024	
UTILITY CONSTRUCTION:	SUMMER, 2024	
VERTICAL CONSTRUCTION:	N/A	
FINAL STABILIZATION:	SUMMER/FALL 2024	
 - PROJECT HOURS: MONDAY-SATURDAY, 7AM-7PM
 - PROJECT SITE AREAS:

DISTURBED AREA:	<1.0 ACRE
-----------------	-----------
 - ONSITE SOIL TYPES:

32 COBURG-URBAN LAND COMPLEX.

 - EXCAVATION:

CUT:	60 CY
FILL:	580 CY
NET:	520 CY FILL

INSPECTION SCHEDULE

SITE CONDITION	MINIMUM FREQUENCY
1. ACTIVE PERIOD	ON INITIAL DATE THAT LAND DISTURBANCE ACTIVITIES COMMENCE, WITHIN 24 HOURS OF ANY STORM EVENT, INCLUDING RUNOFF FROM SNOW MELT, THAT RESULTS IN DISCHARGE FROM THE SITE. AT LEAST ONCE EVERY 14 DAYS, REGARDLESS OF WHETHER STORMWATER RUNOFF IS OCCURRING.
2. INACTIVE PERIODS GREATER THAN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS	THE INSPECTOR MAY REDUCE THE FREQUENCY OF INSPECTIONS IN ANY ARE 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.

EROSION CONTROL CONSTRUCTION NOTES

- OWNER OR DESIGNATED PERSON SHALL BE RESPONSIBLE FOR PROPER INSTALLATION AND MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL (ESC) MEASURES, IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
- THE IMPLEMENTATION OF THESE ESC PLANS AND CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED BY THE LOCAL JURISDICTION, AND VEGETATION/LANDSCAPING IS ESTABLISHED. THE DEVELOPER SHALL BE RESPONSIBLE FOR MAINTENANCE AFTER THE PROJECT IS APPROVED.
- THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY MARKED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE MARKINGS SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
- THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO INSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS.
- THE ESC FACILITIES SHOWN ON THIS PLAN ARE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DOES NOT LEAVE THE SITE.
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY TO ENSURE THEIR CONTINUED FUNCTIONING.
- AT NO TIME SHALL SEDIMENT BE ALLOWED TO ACCUMULATE MORE THEN 1/3 THE BARRIER HEIGHT. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATIONS SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
- STABILIZED GRAVEL ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- STORM DRAINS INLETS, BASINS, AND AREA DRAINS SHALL BE PROTECTED UNTIL PAVEMENT SURFACES ARE COMPLETED AND/OR VEGETATION IS RE-ESTABLISHED.
- PAVEMENT SURFACES AND VEGETATION ARE TO BE PLACED AS RAPIDLY AS POSSIBLE.
- SEEDING SHALL BE PERFORMED NO LATER THAN SEPTEMBER 1 FOR EACH PHASE OF CONSTRUCTION.
- IF THERE ARE EXPOSED SOILS OR SOILS NOT FULLY ESTABLISHED FROM OCTOBER 1ST THROUGH APRIL 30TH, THE WET WEATHER EROSION PREVENTION MEASURES WILL BE IN EFFECT. SEE EROSION PREVENTION AND SEDIMENT CONTROL BMP'S FOR REQUIREMENTS.
- THE DEVELOPER SHALL REMOVE ESC MEASURES WHEN VEGETATION IS FULLY ESTABLISHED.

WET WEATHER PERMIT CONDITIONS

- WET WEATHER EROSION PREVENTION MEASURES WILL BE IN EFFECT FROM OCTOBER 1 THROUGH APRIL 30.
- 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.
- EXPOSED SOILS SHALL BE SEEDED NO LATER THAN SEPTEMBER 1ST TO ALLOW TIME FOR PROPER GERMINATION AND GROWTH BEFORE THE WET WEATHER SEASON.

FINAL STABILIZATION

FINAL STABILIZATION OF ALL DISTURBED AREAS TO BE ADDRESSED BY THE CONTRACTOR. SEE RECOMMENDED BMP MATRIX ON THIS SHEET.

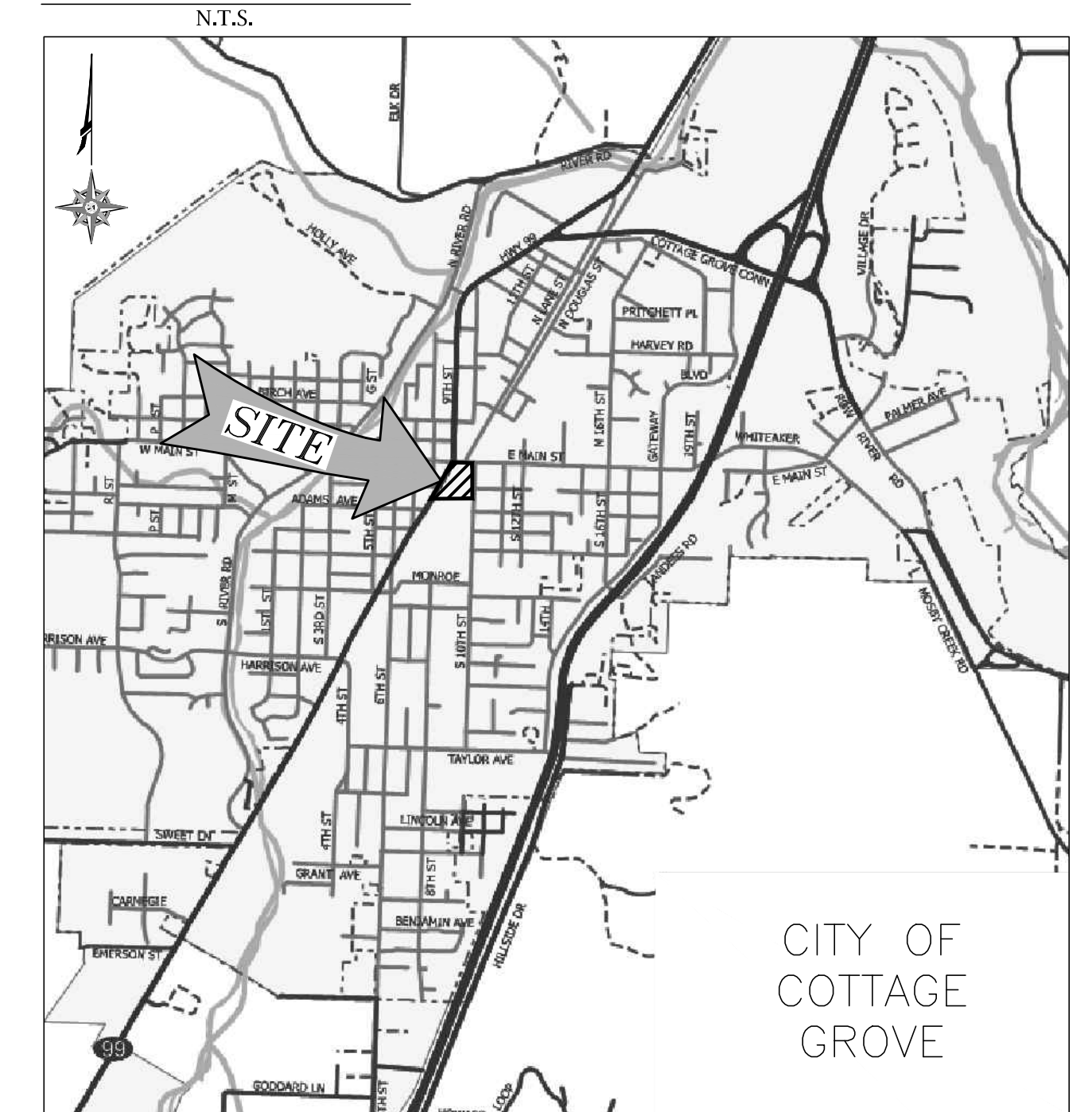
RATIONAL STATEMENT

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.

BMP MATRIX FOR CONSTRUCTION PHASE

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

VICINITY MAP



ENGINEERED FILL

ALL FILL WILL COME FROM APPROVED LOCAL SOURCES.

SHEET INDEX

EC000 EROSION CONTROL NOTES
EC100 EROSION CONTROL PLAN
EC200 EROSION CONTROL DETAILS

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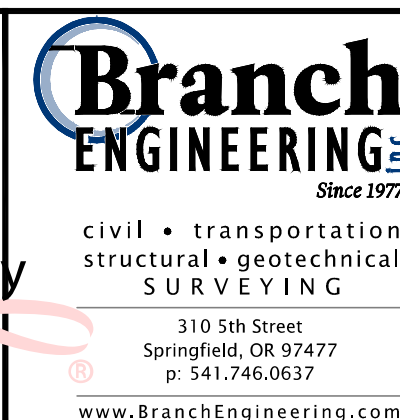
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Digitally signed by
Damien Gilbert
Date: 2024.04.11
17:58:40 -07'00'



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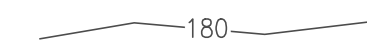
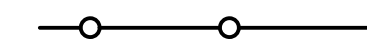
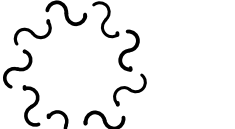
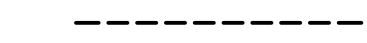



CITY OF COTTAGE GROVE
BOHEMIA PARK EXPANSION

ESC COVER

Sheet No.
EC000

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LEGEND

-  LIMITS OF DISTURBANCE
-  PROPOSED CONTOUR
-  SEDIMENT FENCE, OR APPROVED ALTERNATE.
-  STOCKPILE
-  SAWCUT
-  PORTA POTTY
-  BIOBAG
-  CONCRETE WASHOUT

CONSTRUCTION NOTES

- 700 CONSTRUCT SEDIMENT FENCE, BARK BERM OR APPROVED FILTER MEDIA PER CITY OF COTTAGE GROVE STANDARD DETAIL NO. 701, SHEET EC200.
- 701 APPROXIMATE TEMPORARY STOCK PILE LOCATION. INSTALL PLASTIC SHEETING ON STOCK PILE PER ODOT STANDARD DETAIL DET6001, SHEET EC200. CONTRACTOR SHALL COORDINATE LOCATION WITH INSPECTOR PRIOR TO INSTALLATION.
- 702 CONSTRUCT CONCRETE WASHOUT AREA PER ODOT STANDARD DETAIL RD1070, SHEET EC200.
- 703 SAWCUT AS NEEDED AND REMOVE EXISTING CONCRETE COLLAR, GRATE AND TREE. ENSURE THAT NO CONTAMINANTS RESULTING FROM SAWCUTTING ACTIVITIES ENTER THE STORMWATER SYSTEM.
- 704 PROVIDE AND MAINTAIN PORTABLE TOILETS PER OSHA STANDARDS.
- 705 PROVIDE PROPER DUMPSTER CONTAINERS FOR CONSTRUCTION DEBRIS.
- 706 EXISTING CONSTRUCTION ENTRANCE.
- 707 INSTALL BIO-FILTER BAGS.
- 708 INSTALL TYPE 4 INLET PROTECTION PER ODOT STANDARD DRAWING RD1015 ON SHEET EC200.

EROSION CONTROL NOTES

- A. USE PROTECTIVE MEASURES TO PREVENT DEBRIS FROM ENTERING ADJACENT PROPERTIES AND RIGHT OF WAY.
- B. ALL WASTE MATERIAL ASSOCIATED WITH THIS PROJECT SHALL BE PICKED UP AND DISPOSED OF ACCORDING TO APPLICABLE STATE, FEDERAL AND LOCAL REGULATIONS.
- C. CONTRACTOR SHALL SEED AND MULCH (UNIFORMLY BY HAND OR HYDROSEED) EXPOSED SLOPES AND DISTURBED AREAS WHICH ARE NOT SCHEDULED TO BE LANDSCAPED, INCLUDING TRENCH RESTORATION AREAS. IF THE CONTRACTOR FAILS TO APPLY SEED AND MULCH IN A TIMELY MANNER DURING PERIODS FAVORABLE FOR GERMINATION, OR IF THE SEEDED AREAS FAIL TO GERMINATE, THE OWNER REPRESENTATIVE MAY (AT HIS DISCRETION) REQUIRE THE CONTRACTOR TO INSTALL SOD TO COVER SUCH DISTURBED AREAS.
- D. ALL EXISTING AREA DRAINS, TRENCH DRAINS AND CATCH BASINS SHALL HAVE OLD CASTLE FLO-GARD INSERTS INSTALLED BEFORE BEGINNING CONSTRUCTION.

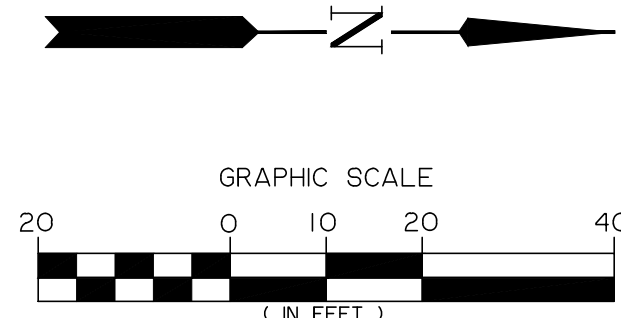
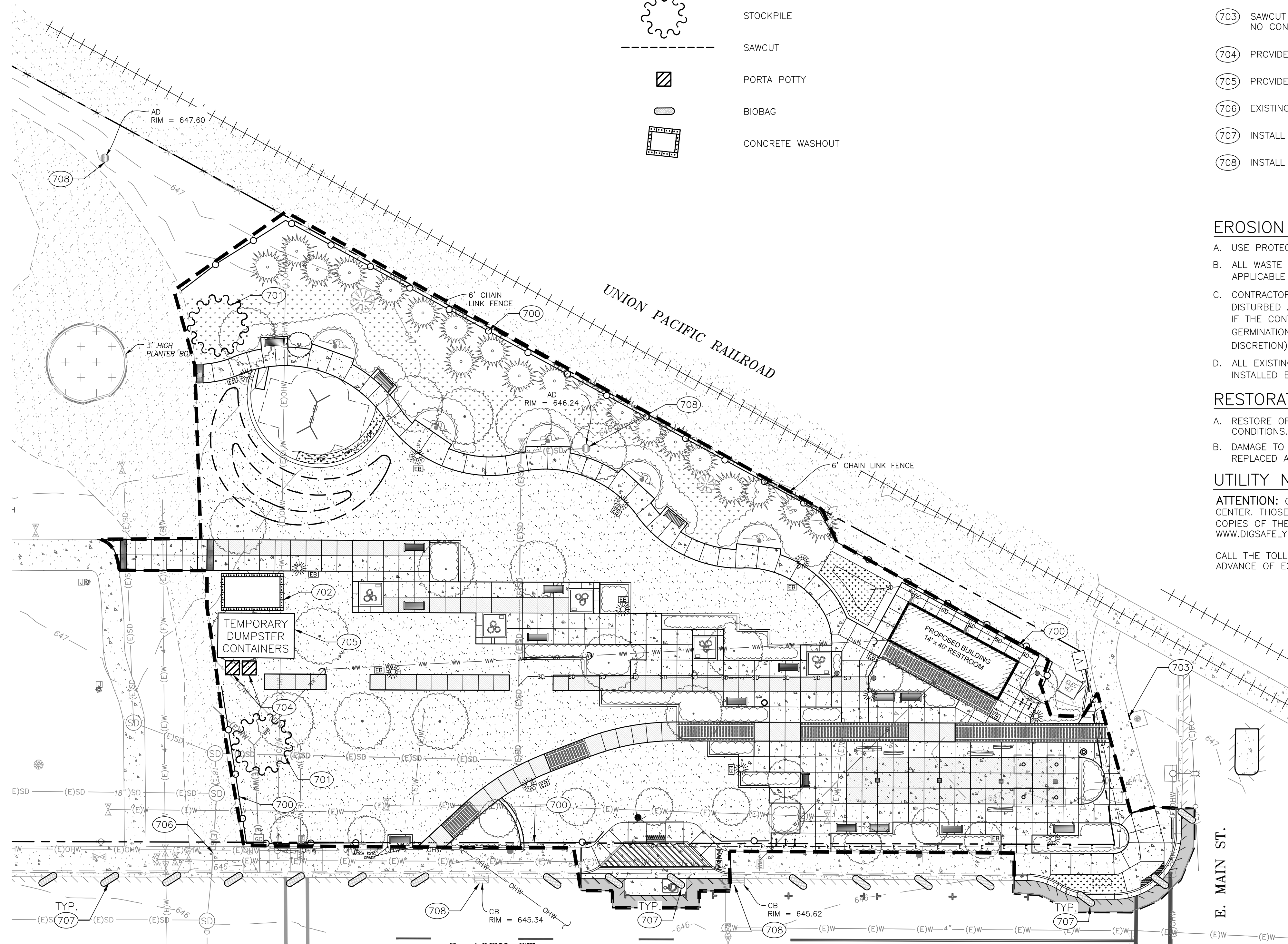
RESTORATION NOTES

- A. RESTORE OR REPLACE ANY DISTURBED LANDSCAPING OF ADJACENT PROPERTIES TO NEW OR BETTER CONDITIONS.
- B. DAMAGE TO PROPERTY BOTH PUBLIC AND PRIVATE DUE TO CONSTRUCTION ACTIVITIES SHALL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE.

UTILITY NOTES

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 OREGON
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 DAMIEN GILBERT
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**CITY OF COTTAGE GROVE
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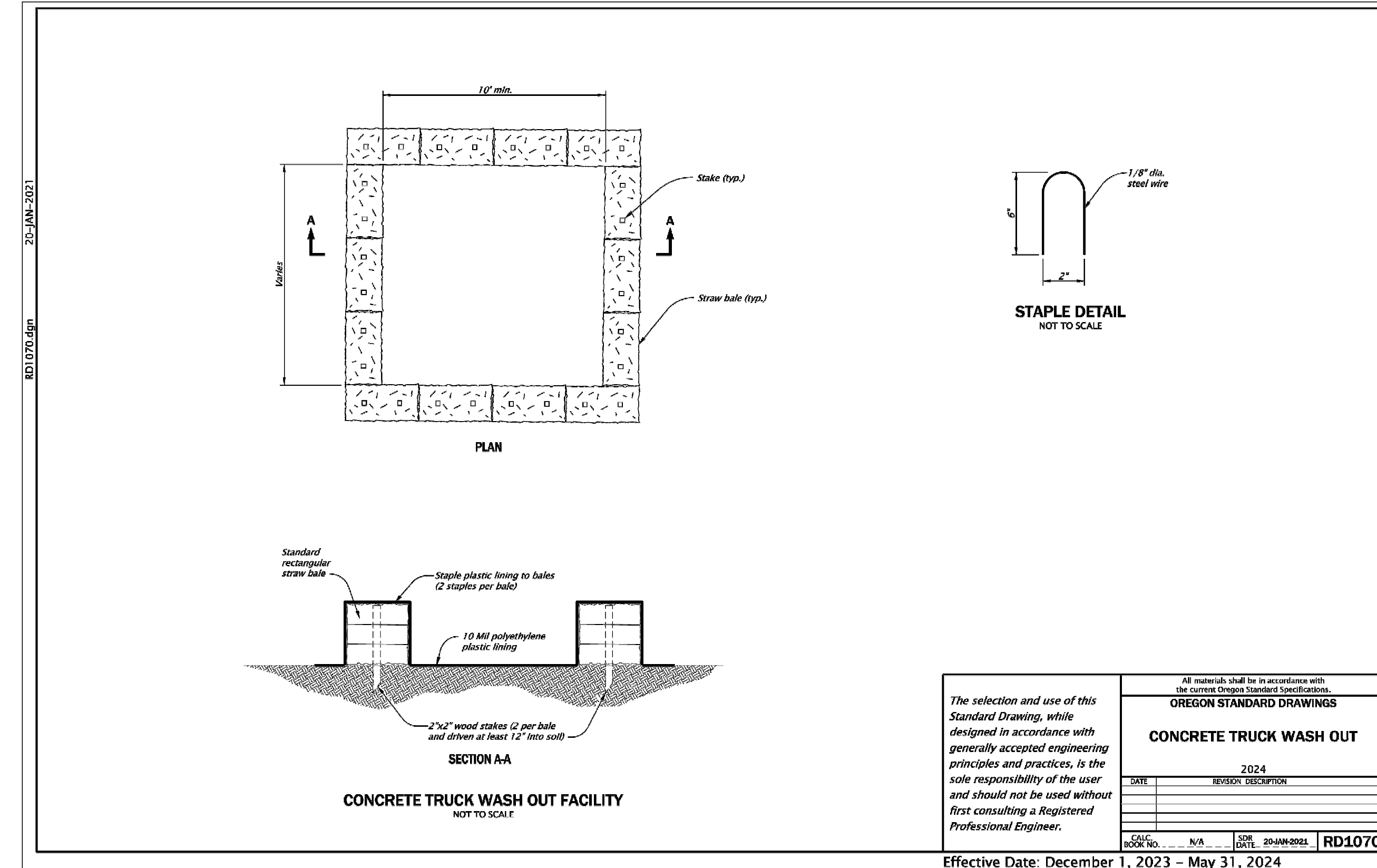
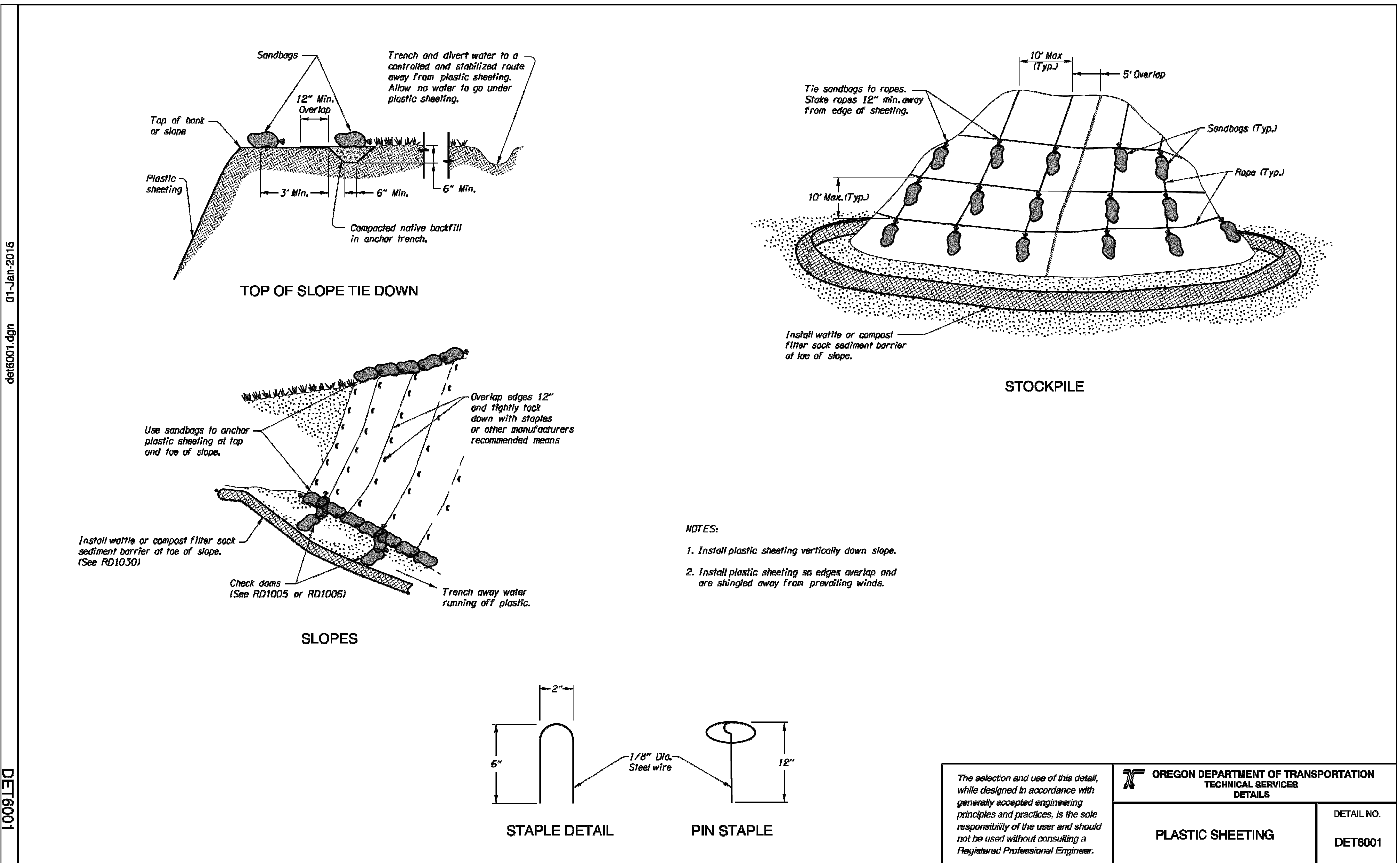
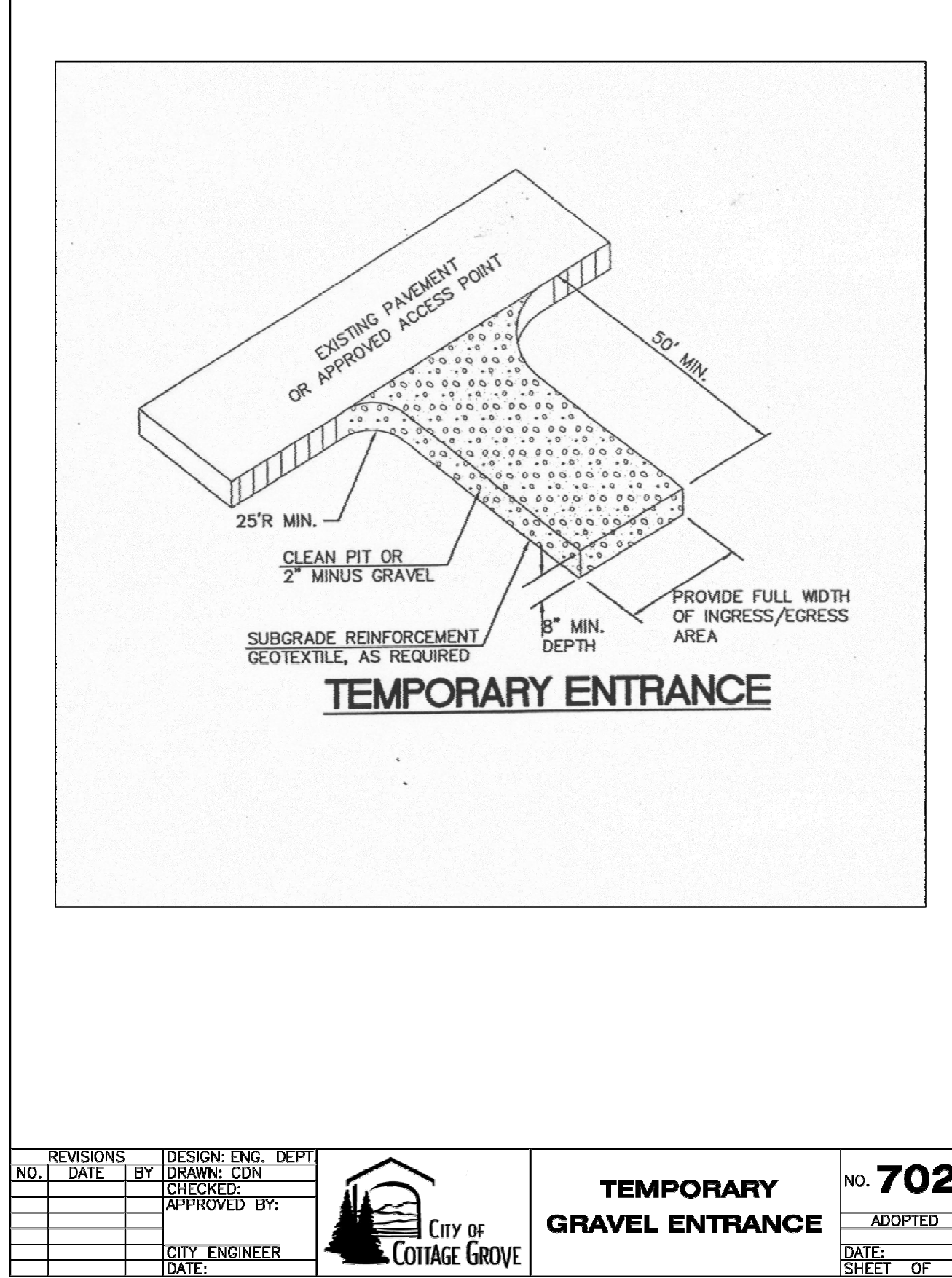
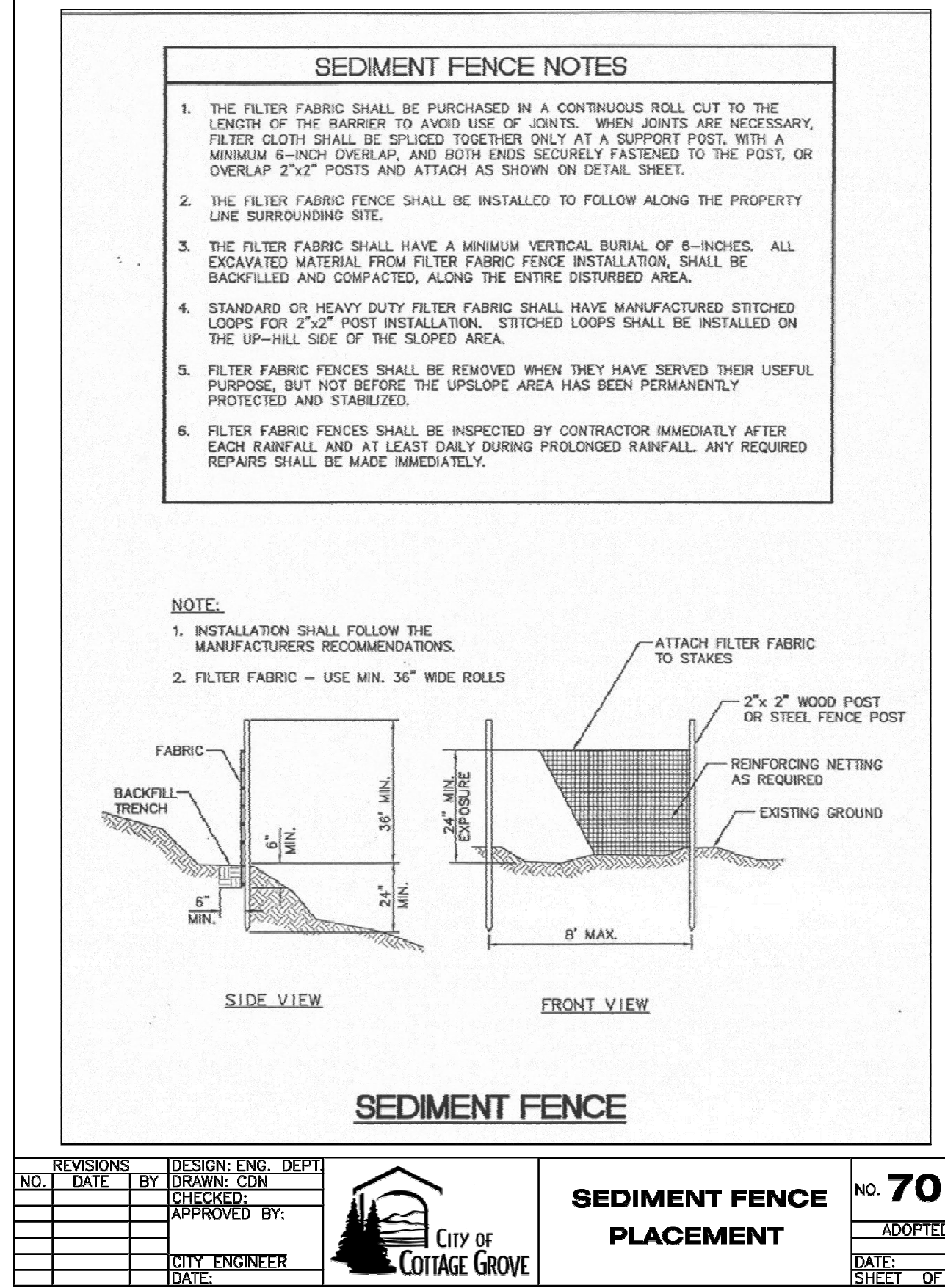
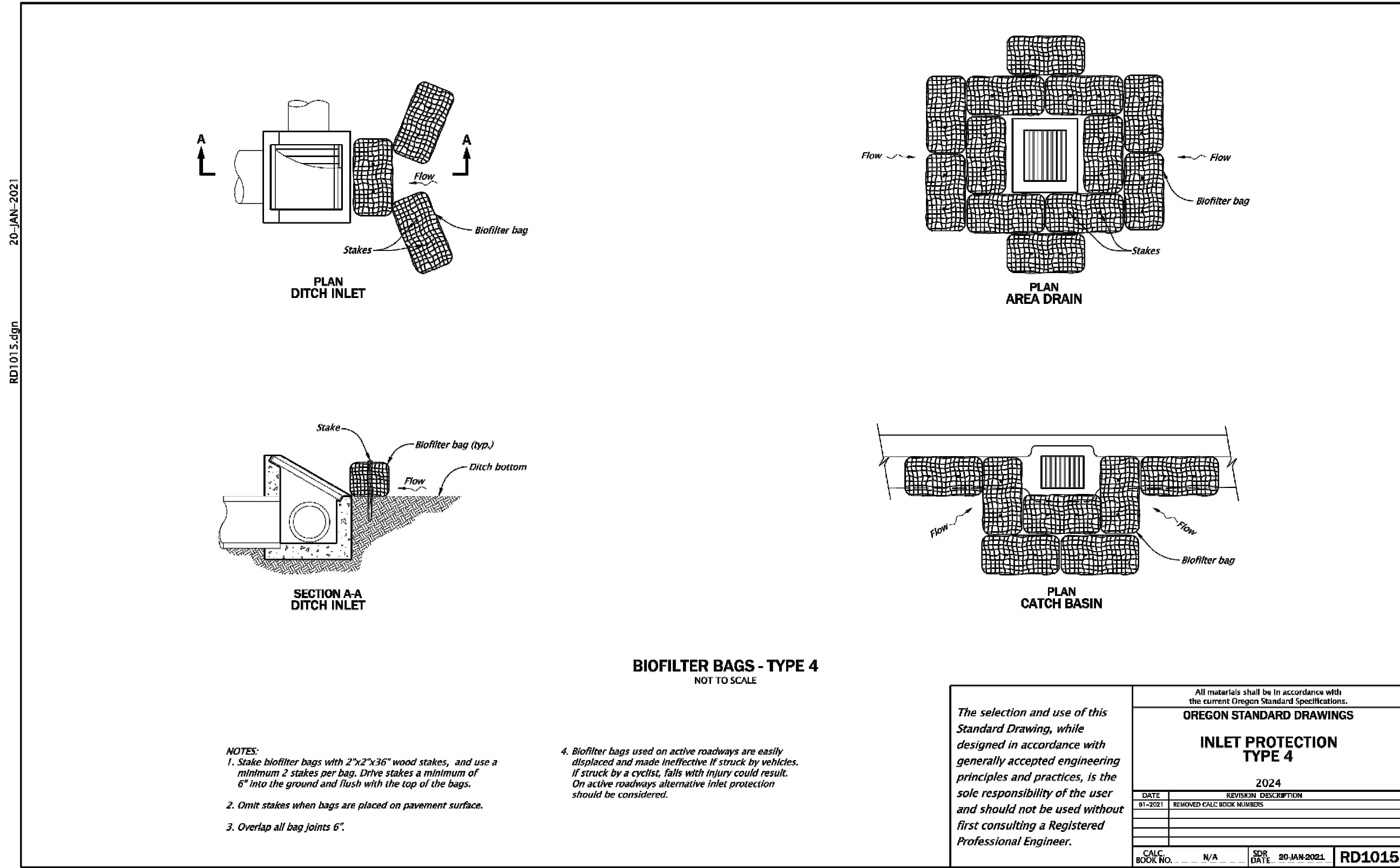
ESC PLAN

Sheet No. **EC100**

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JOB No. 22-001K

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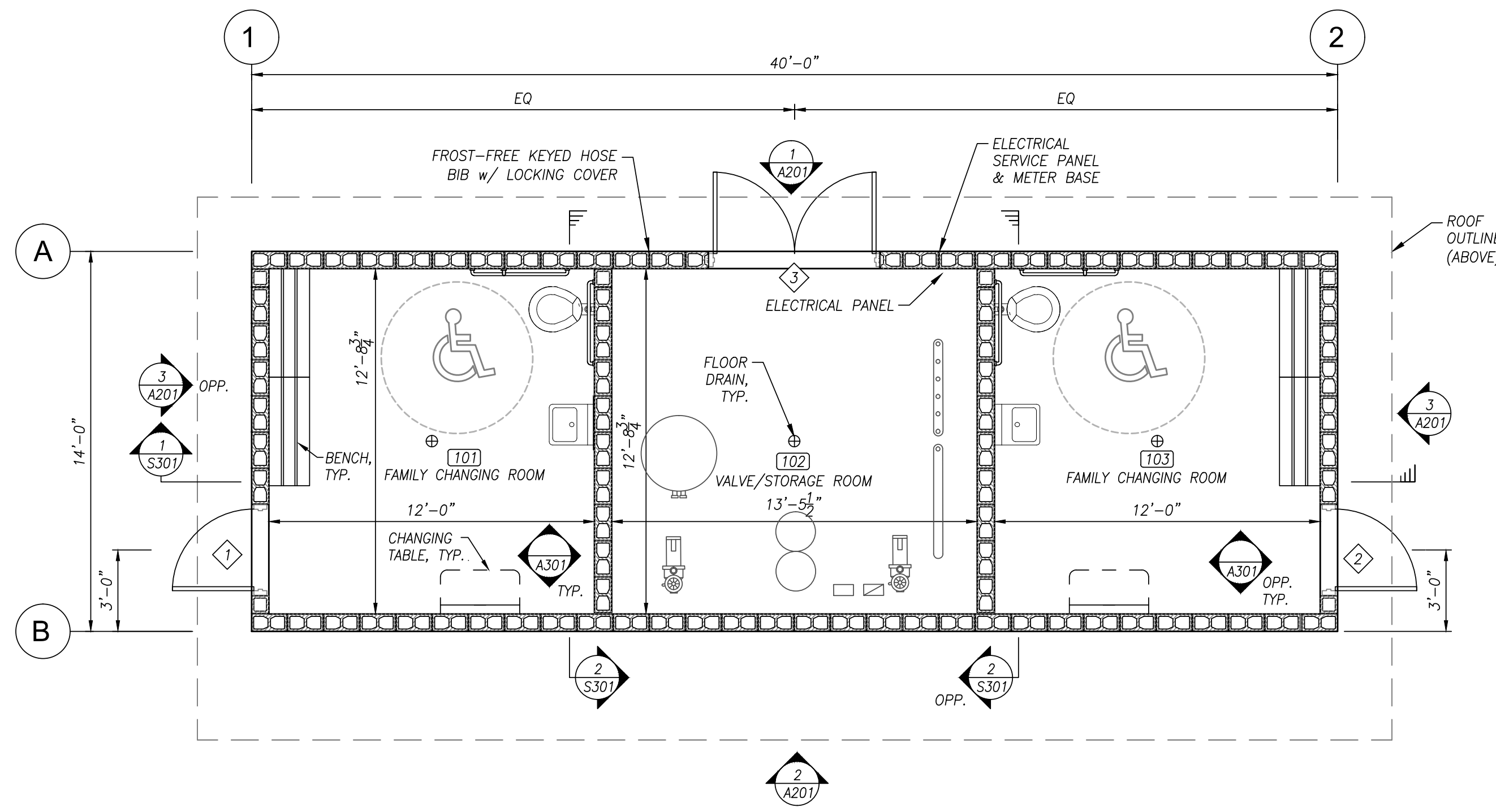
CITY OF COTTAGE GROVE BOHEMIA PARK EXPANSION

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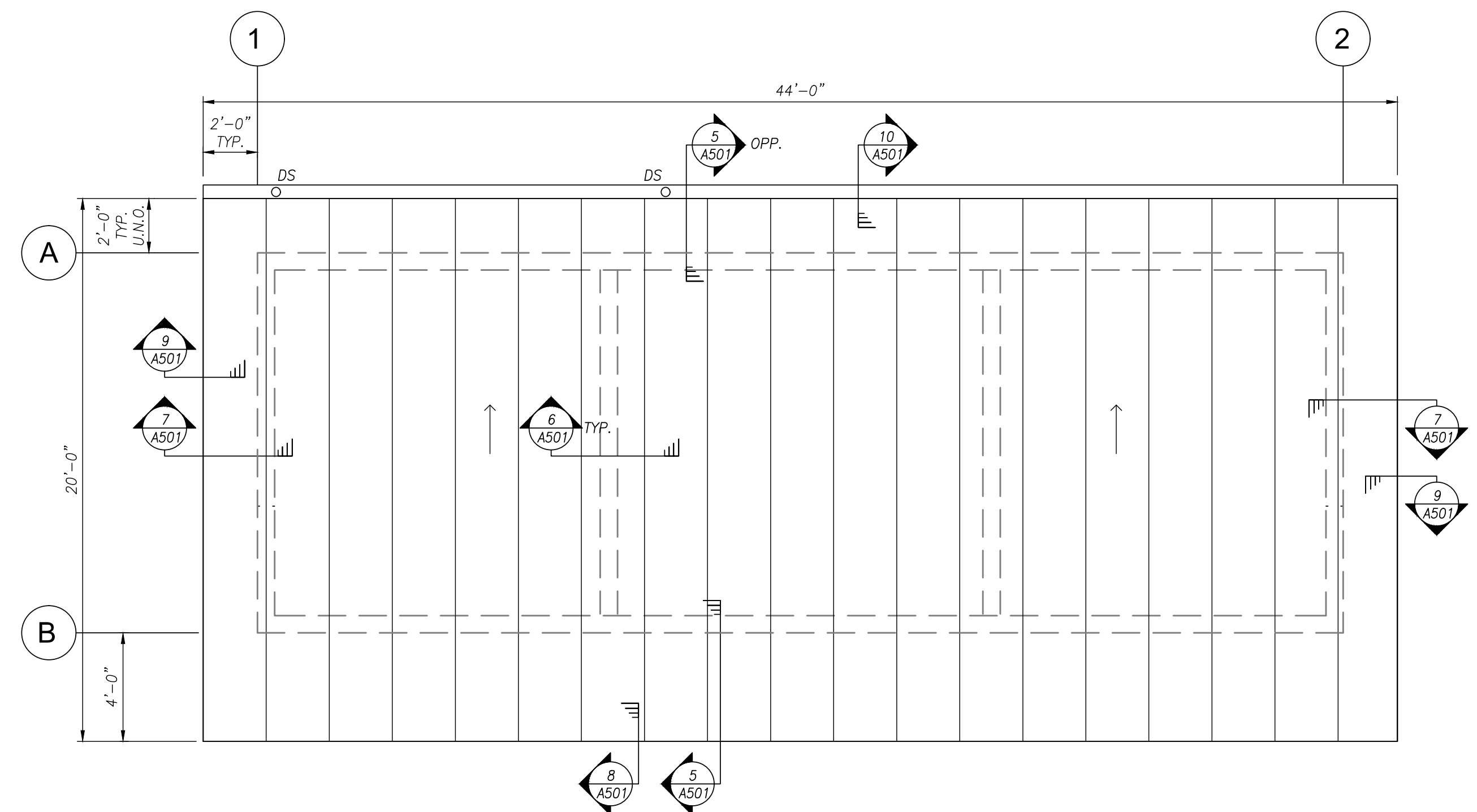
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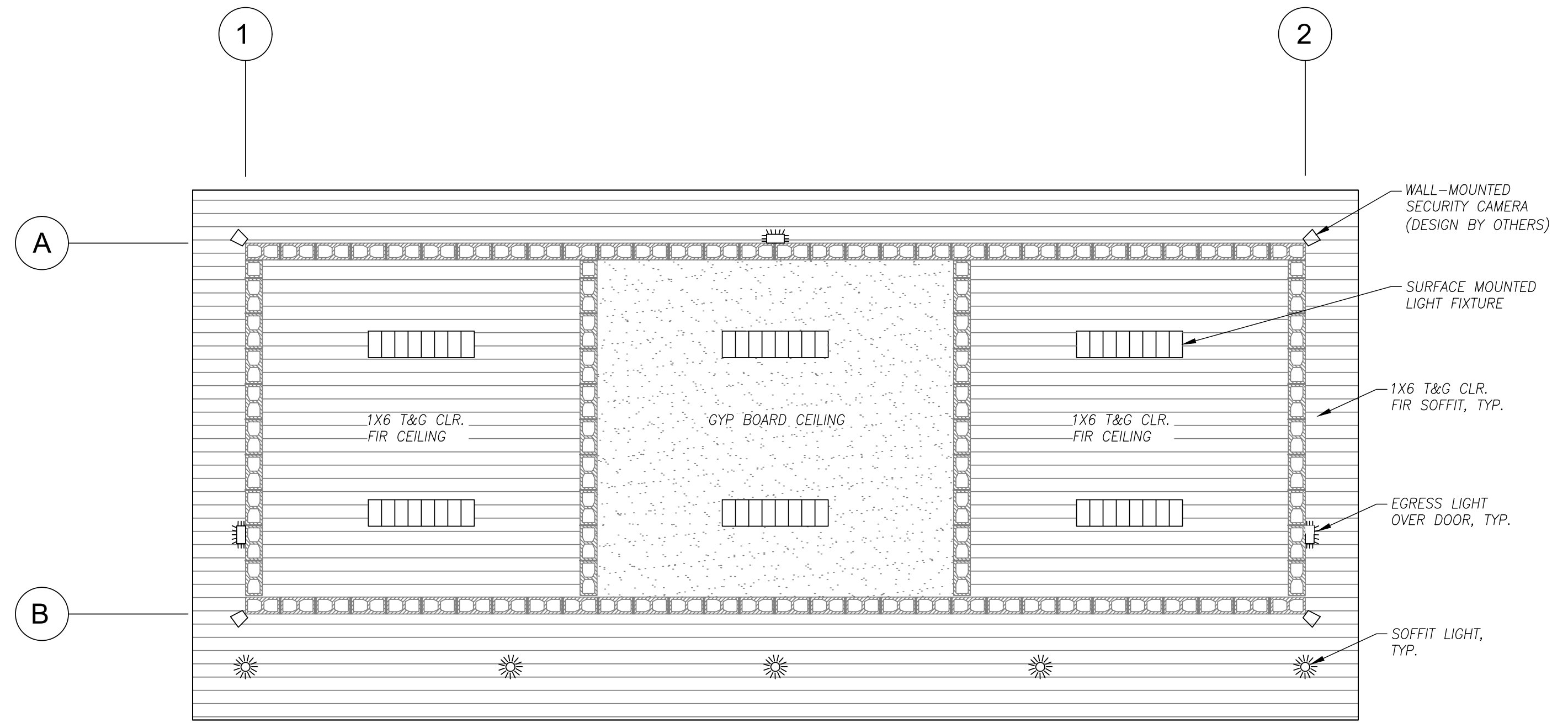
JOB No. 22-001K



1 FLOOR PLAN
A101 SCALE: 1/4"=1'-0"



3 ROOF PLAN
A101 SCALE: 1/4"=1'-0"



2 REFLECTED CEILING PLAN
A101 SCALE: 1/4"=1'-0"

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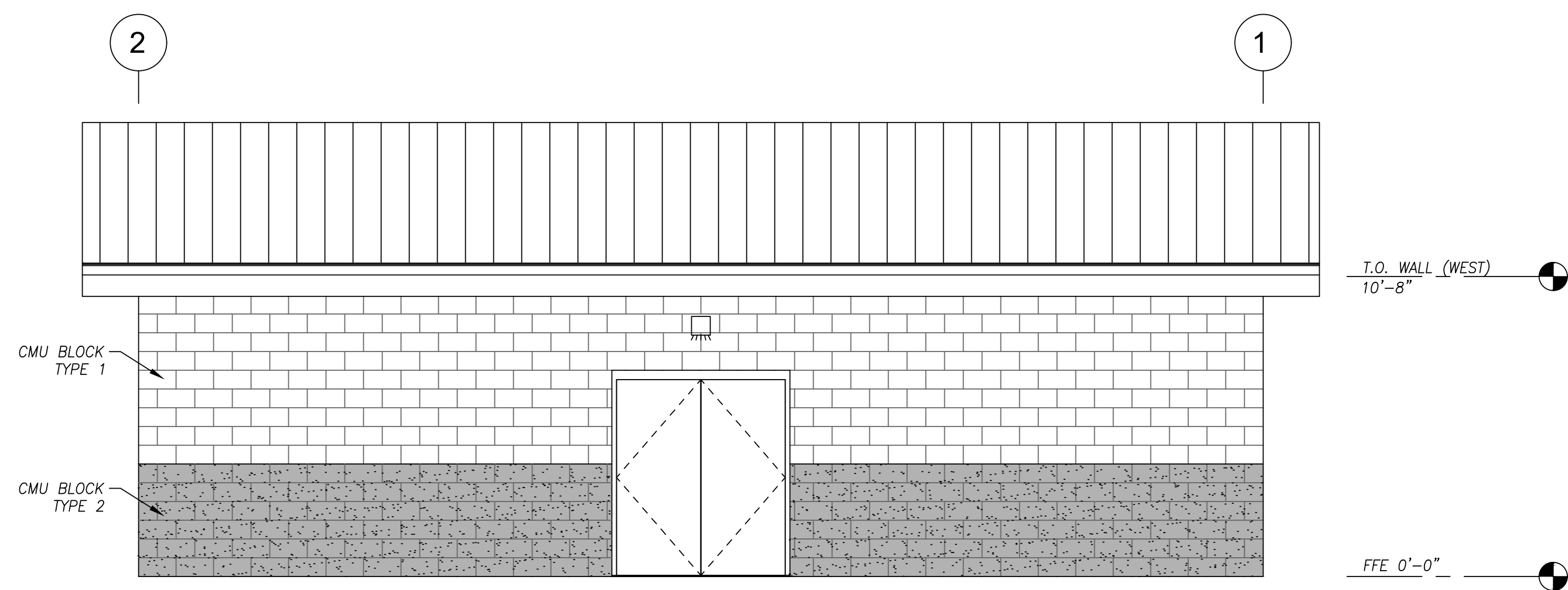
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FLOOR PLAN

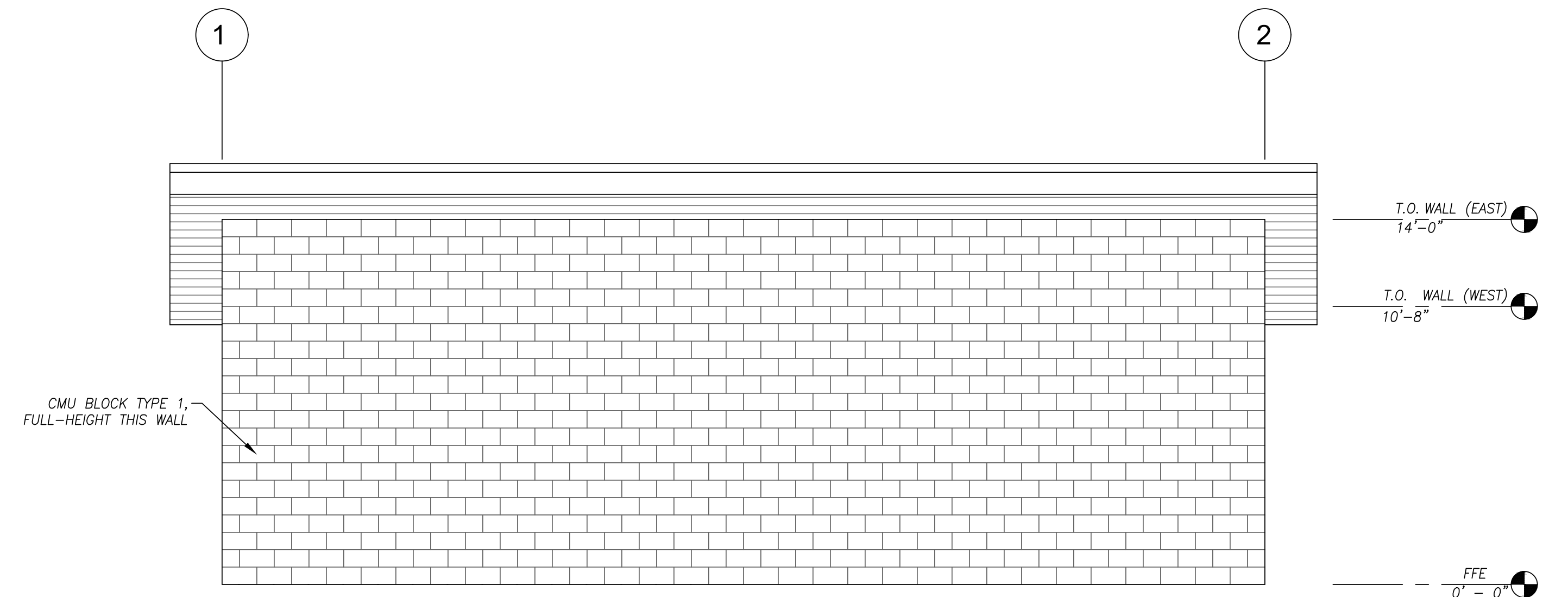
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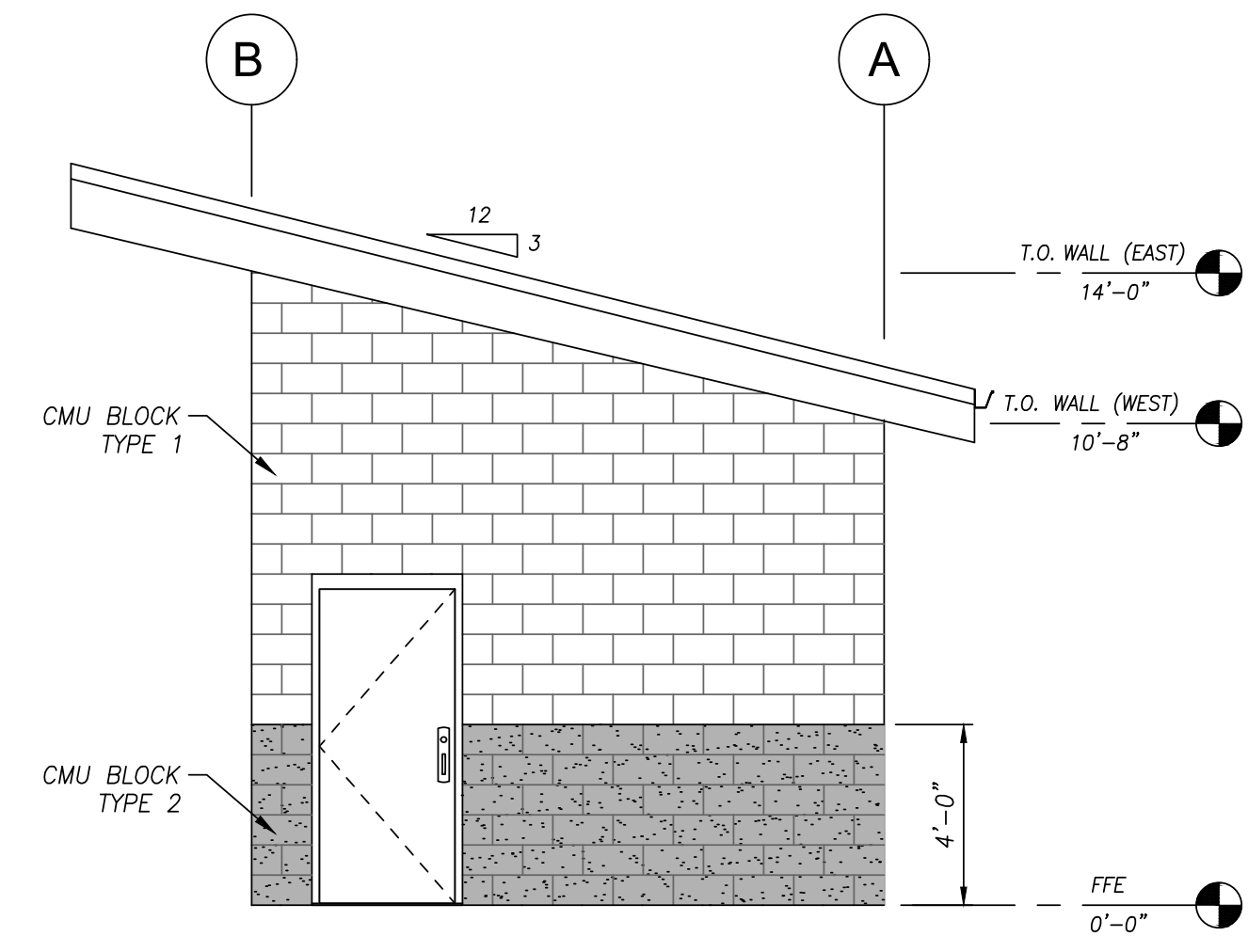
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1 WEST ELEVATION
A201 SCALE: 1/4"=1'-0"



2 EAST ELEVATION
A201 SCALE: 1/4"=1'-0"



3 NORTH ELEVATION (SIM. OPPOSITE END, SOUTH)
A201 SCALE: 1/4"=1'-0"

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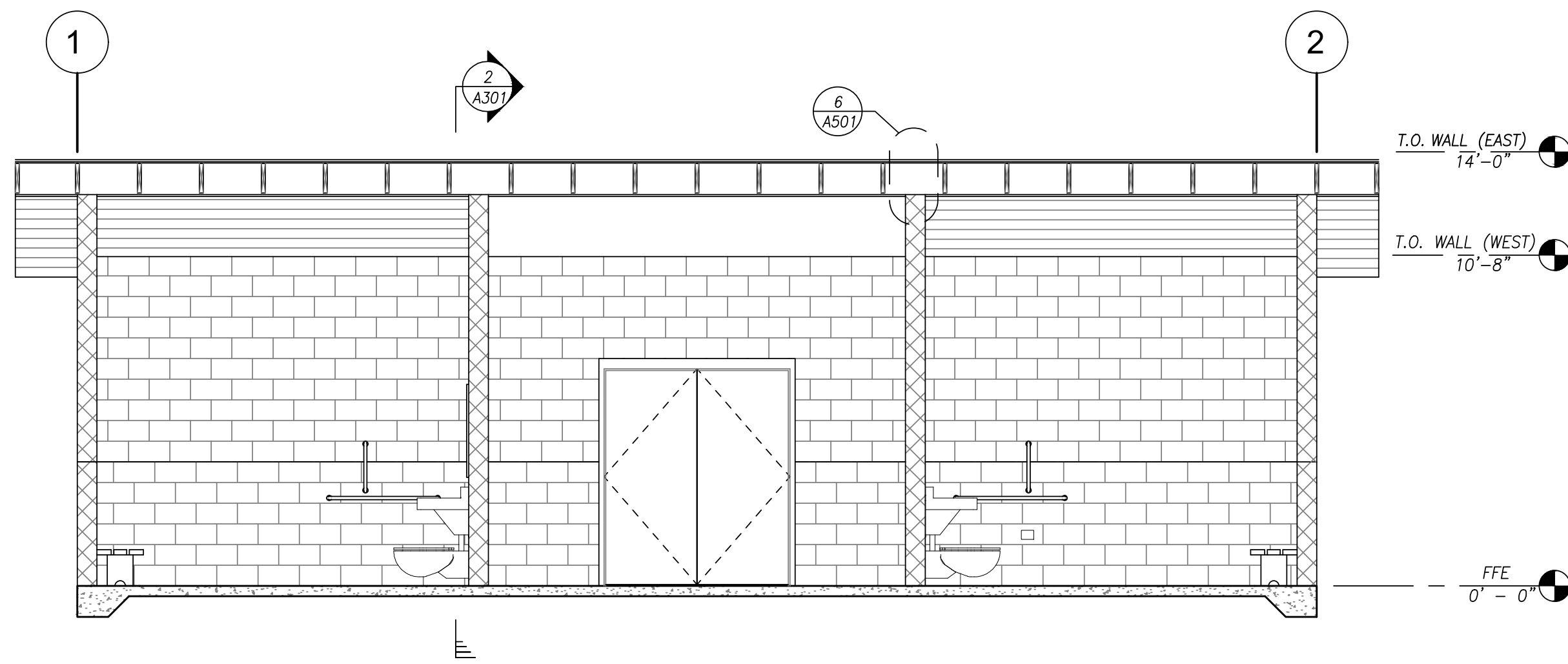
**CITY OF COTTAGE GROVE
BOHEMIA PARK EXPANSION**

FLOOR PLAN

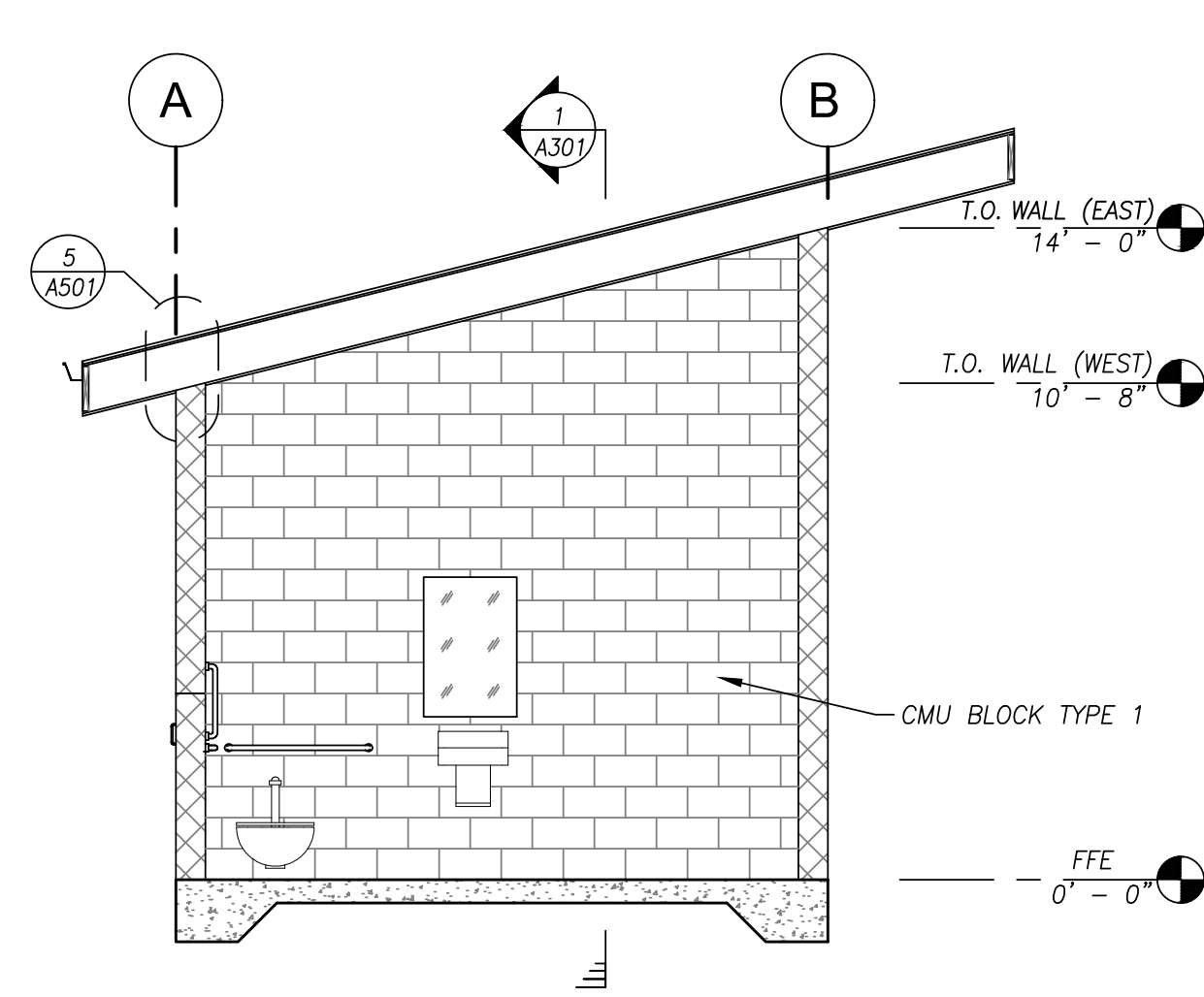
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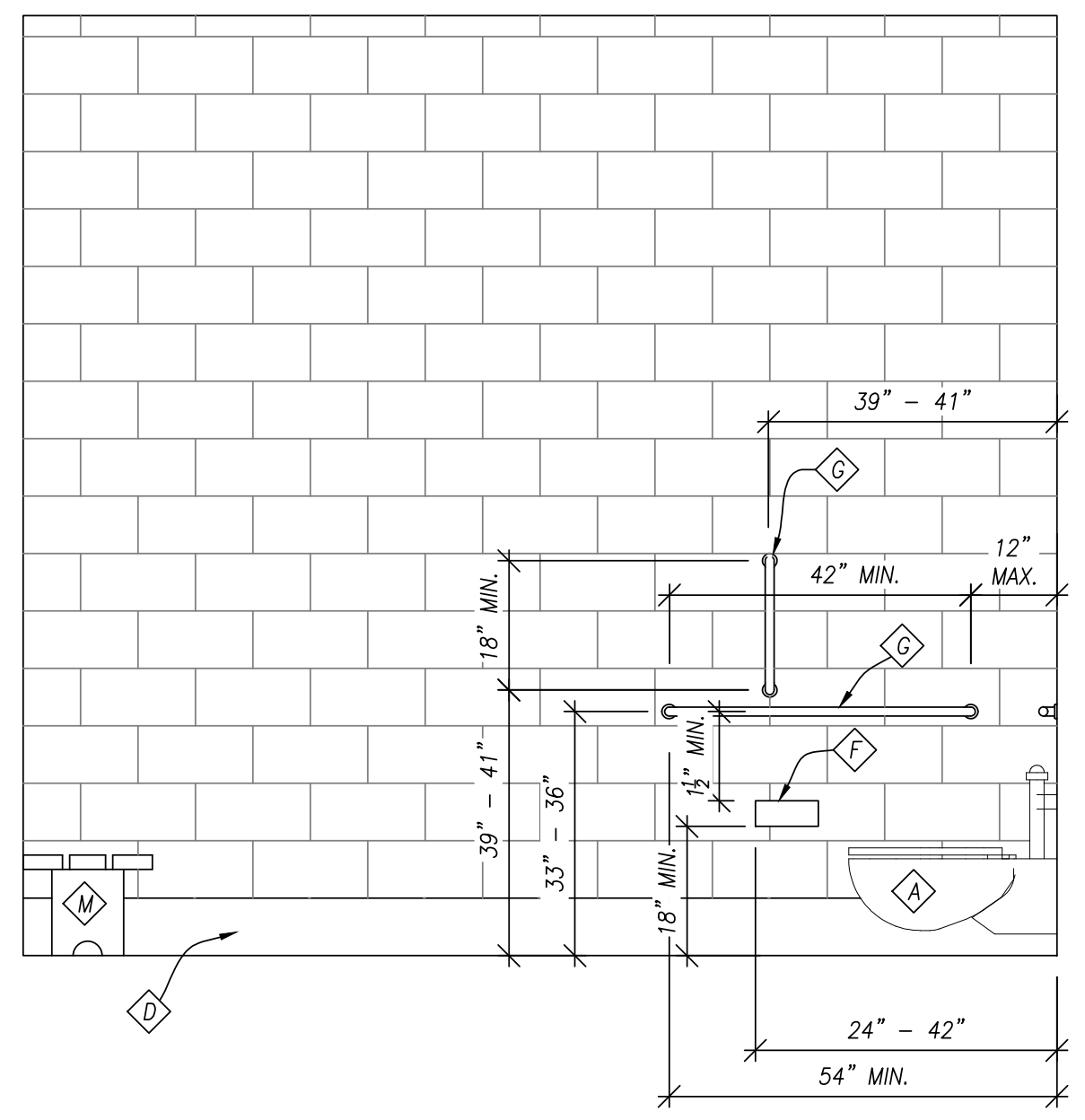
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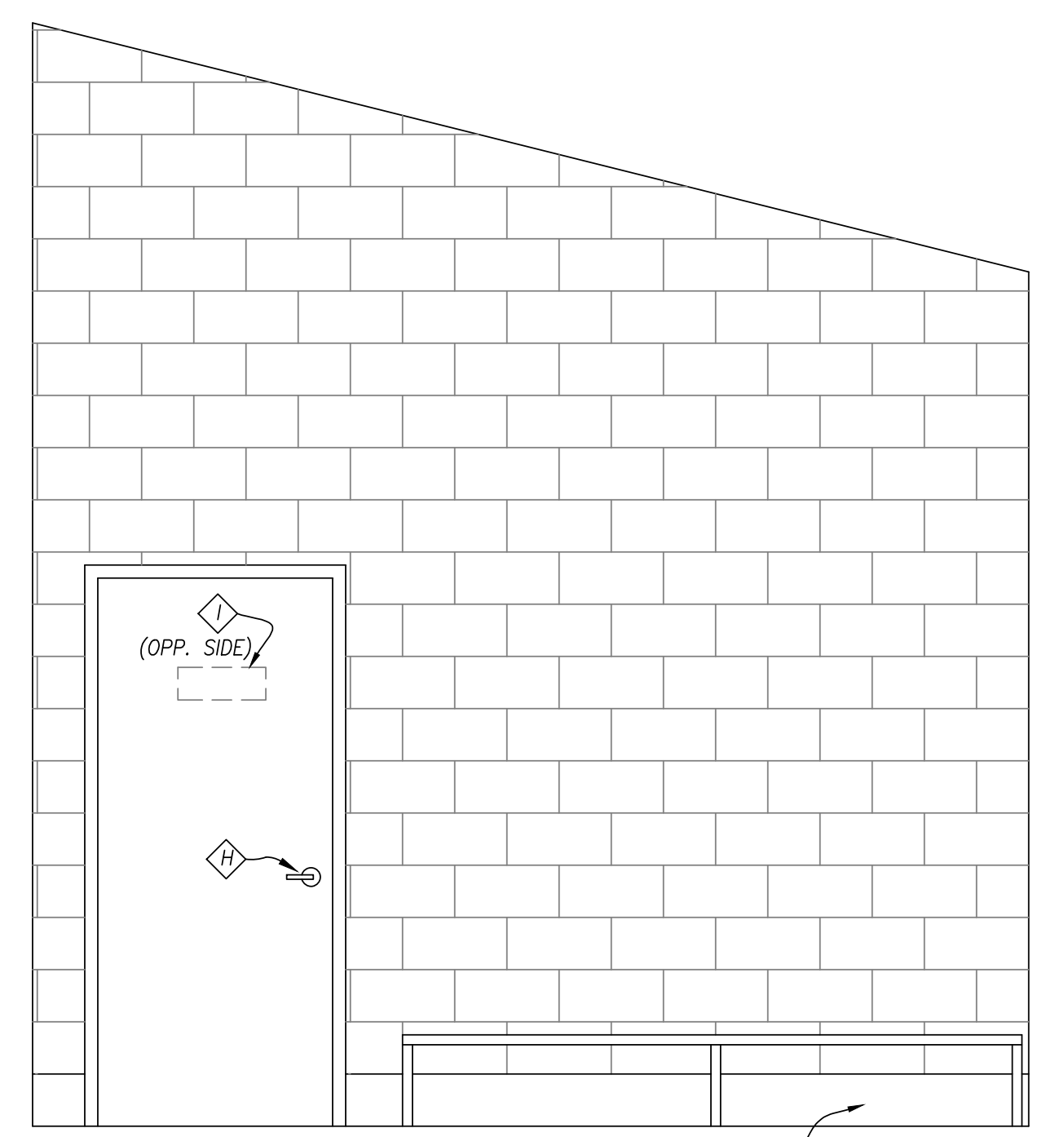
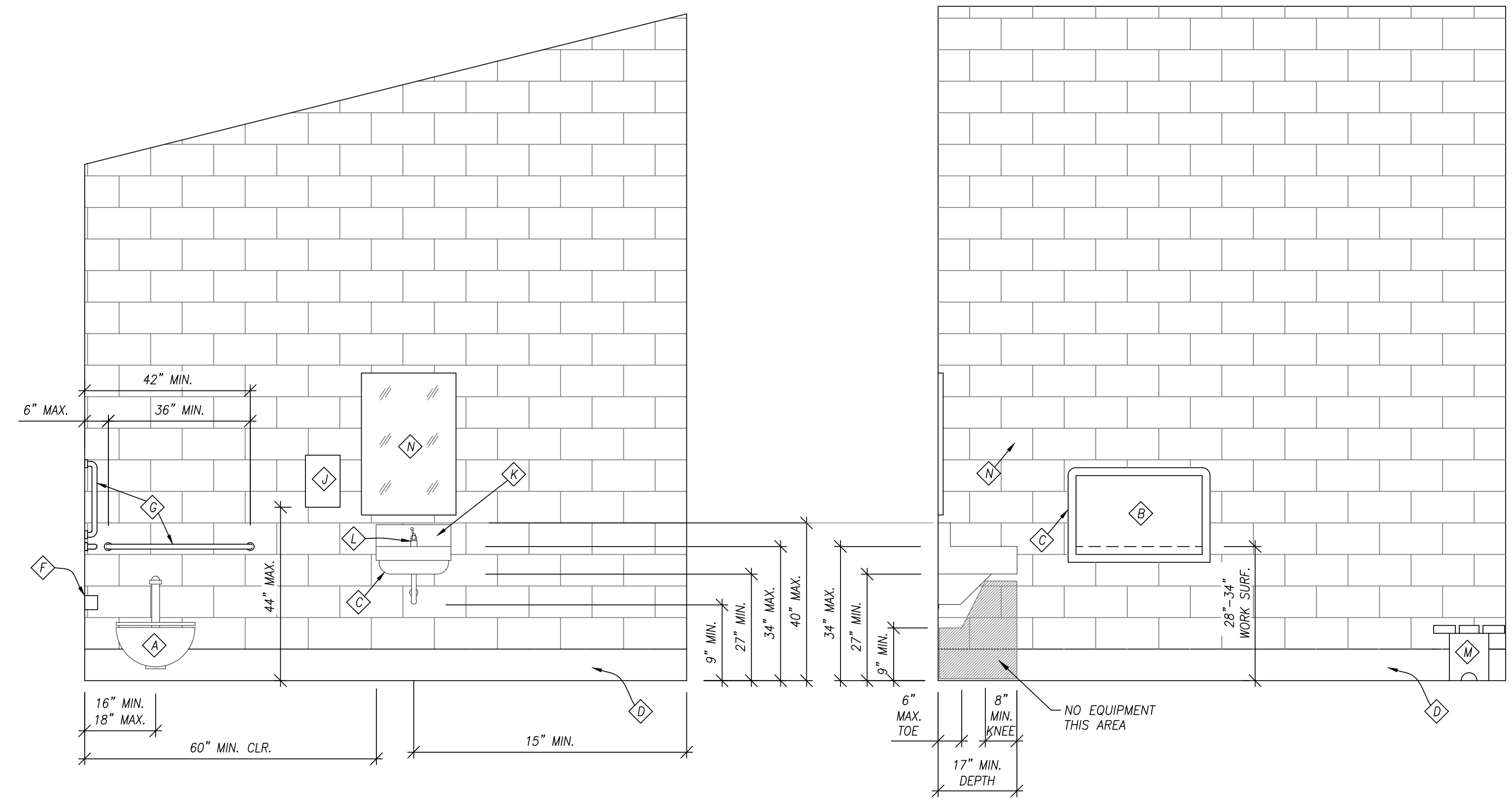
2 SECTION
A301 SCALE: 1/4"=1'-0"

RESTROOM NOTES

- A ACCESSIBLE WALL HUNG WATER CLOSET
- B STANDARD BABY CHANGING TABLE
- C WALL-MOUNT LAVATORY. R-3 INSULATION (TRAP COVERS) ON EXPOSED PIPING.
- D EXTEND RESINOUS FLOOR SURFACING 8" UP WALL, TYP. ALL WALLS
- F ADA COMPLIANT TOILET PAPER DISPENSER FOR 9" ROLL - 2 DISPENSERS PER STALL.
- G ADA COMPLIANT GRAB BAR.
- H ACCESSIBLE DOOR HANDLE - SEE HARDWARE SCHEDULE.
- I ACCESSIBLE MEN / WOMEN / FAMILY RESTROOM SIGN.
- J ADA COMPLIANT AIR HAND DRYER.
- K ADA COMPLIANT SOAP DISPENSER INTEGRAL w/ LAVATORY
- L ADA COMPLIANT LAVATORY FAUCET.
- M ACCESSIBLE BENCH
- N 24"x36" MIRROR w/ STAINLESS STEEL FRAME & ACRYLIC GLASS COVER PANE.



4 TYP. RESTROOM ELEVATIONS
A301 SCALE: 1/4"=1'-0"



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SECTIONS & INTERIOR ELEVATIONS

Sheet No. **A301**

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