
































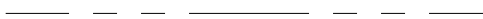






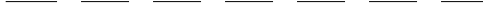
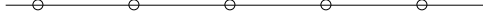









CIVIL PLANS

HALLMAN ELEMENTARY SCHOOL

EXISTING CONDITIONS LEGEND

EXISTING		EXISTING	
DECIDUOUS TREE		STORM DRAIN CLEAN OUT	
CONIFEROUS TREE		STORM DRAIN CATCH BASIN	
FIRE HYDRANT		STORM DRAIN AREA DRAIN	
WATER BLOWOFF		STORM DRAIN MANHOLE	
WATER METER		STORM DRAIN DOWNSPOUT	
WATER VALVE		GAS METER	
WATER VAULT		GAS VALVE	
WATER IRRIGATION VALVE		GUY WIRE ANCHOR	
DOUBLE CHECK VALVE		UTILITY POLE	
AIR RELEASE VALVE		TRAFFIC SIGNAL POLE	
SANITARY SEWER CLEAN OUT		POWER VAULT	
SANITARY SEWER MANHOLE		POWER JUNCTION BOX	
SIGN		POWER PEDESTAL	
STREET LIGHT		COMMUNICATIONS VAULT	
MAILBOX		COMMUNICATIONS JUNCTION BOX	
		COMMUNICATIONS RISER	

EXISTING

RIGHT-OF-WAY LINE	
BOUNDARY LINE	
PROPERTY LINE	
CENTERLINE	
DITCH	
CURB	
EDGE OF PAVEMENT	
EASEMENT	
FENCE LINE	
GRAVEL EDGE	
POWER LINE	
OVERHEAD WIRE	
COMMUNICATIONS LINE	
FIBER OPTIC LINE	
GAS LINE	
STORM DRAIN LINE	
SANITARY SEWER LINE	
WATER LINE	

CIVIL LEGEND

SYMBOLS	ABBREVIATIONS
	MATERIAL
	AC ASPHALTIC CONCRETE
	DI DUCTILE IRON
	PVC POLYVINYL CHLORIDE
	CHDPE HIGH DENSITY POLYETHYLENE
	CDB CONTROLLED DENSITY BACKFILL
	C, CONC CONCRETE
	CI CAST IRON
	GR GRAVEL
	RT REINFORCED TURF
	UTILITY
	SS SANITARY SEWER
	SD STORM DRAIN
	JB JUNCTION BOX
	CO CLEAN OUT
	GAS GAS
	W WATER
	UGP UNDER GROUND POWER
	OHP OVER HEAD POWER
	TEL TELECOMMUNICATIONS
	FS FIRE SERVICE
	FDC FIRE DEPARTMENT CONNECTION
	FD FOOTING DRAIN
	FO FIBER OPTICS
	OH OVERHEAD
	PWDS PUBLIC WORKS DESIGN STANDARDS
	UPC UNIFORM PLUMBING CODE
	FRAN FRANCHISE UTILITIES
	GENERAL
	ASSY ASSEMBLY
	BO BLOW OFF
	CB CATCH BASIN
	C CENTER LINE
	EP EDGE OF PAVEMENT
	ELEV ELEVATION
	(E) OR EX EXISTING
	FF FINISH FLOOR
	FG FINISH GRADE
	HYD FIRE HYDRANT
	GV GATE VALVE
	INV INVERT
	MH MAN HOLE
	M METER, MAIN
	PP POWER POLE
	P PROPERTY LINE
	ROW RIGHT-OF-WAY
	STD STANDARD
	SVC SERVICE
	TC TOP OF CURB
	TYP TYPICAL
	EG EDGE OF GRAVEL
	EC EDGE OF CONCRETE
	BFV BUTTERFLY VALVE
	PUE PUBLIC UTILITY EASEMENT
	TW TOP OF WALL
	G GUTTER
	(N) NEW
	DS DOWNSPOUT
	FD FLOOR DRAIN
	RB REMOVABLE BOLLARD

	WATER METER
	BACKFLOW ASSEMBLY VAULT
	CATCH BASIN
	SANITARY SEWER MANHOLE
	STORM DRAIN MANHOLE
	JUNCTION BOX
	FIRE HYDRANT
	DOUBLE CHECK DETECTOR ASSEMBLY VAULT
	FIRE DEPARTMENT CONNECTION, F.D.C.
	BLOW-OFF ASSEMBLY WITH TIE BACKS
	VALVE
	THRUST BLOCK
	CLEAN OUT
	UTILITY POLE
	UTILITY POLE GUY WIRE
	TRANSFORMER
	TELEPHONE PEDESTAL
	PROPOSED GRADE
	EXISTING GRADE
	SIGN & POST
	SLOPE ARROW FROM HIGH TO LOW
	DITCH OR SWALE FLOW LINE
	LANDSCAPING BY OTHERS

	EXISTING ASPHALT PAVING
	PROPOSED ASPHALT PAVING
	EXISTING CONCRETE PAVING
	PROPOSED CONCRETE PAVING
	LANDSCAPE AREA

GENERAL LEGEND

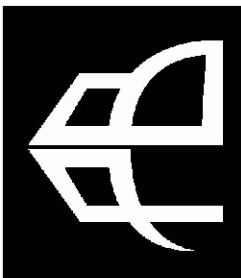
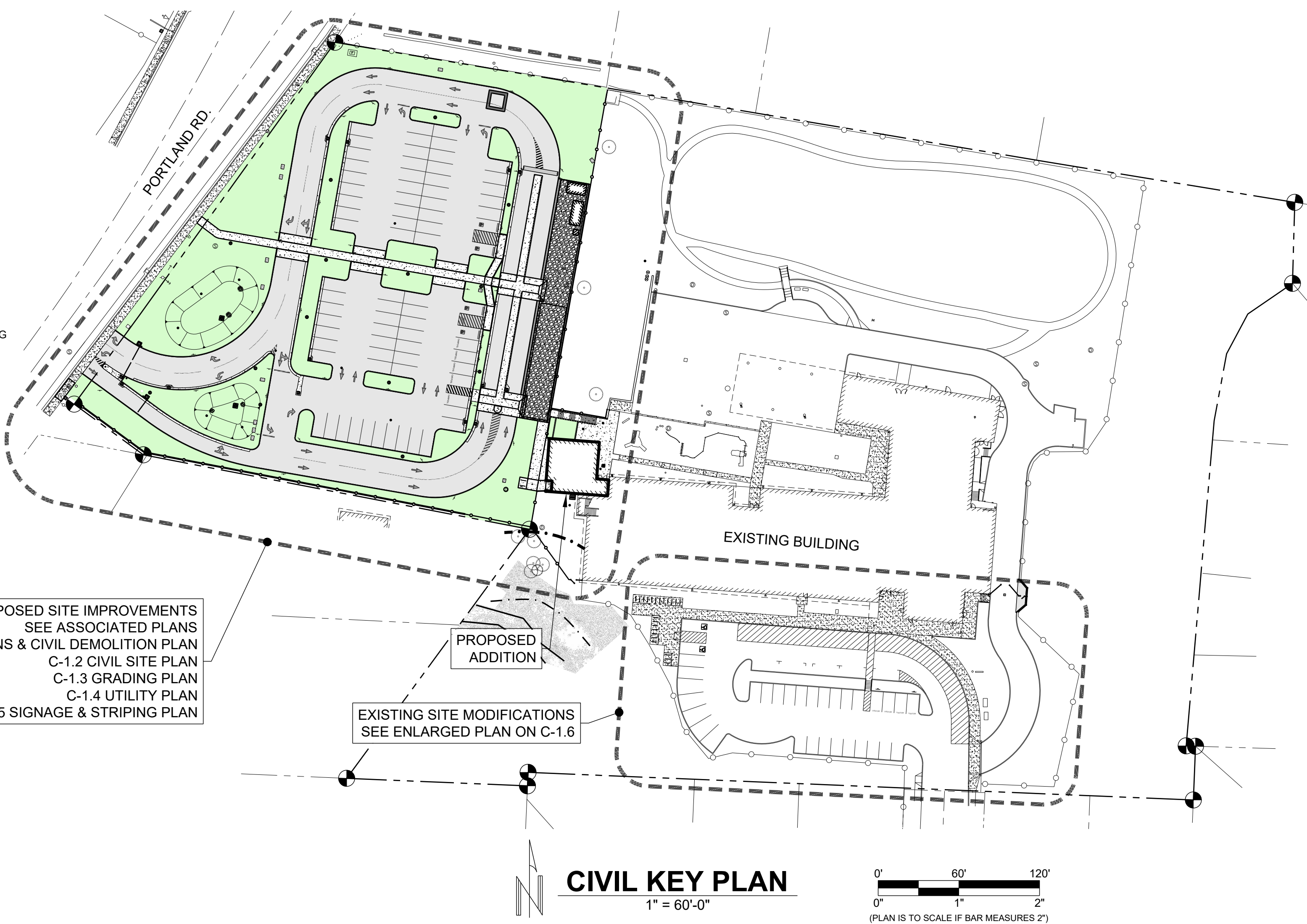
SYMBOLS	ABBREVIATIONS
	DETAIL INDICATOR
	DETAIL NUMBER
	SHEET NUMBER WHERE DRAWN
	SECTION INDICATOR
	SECTION NUMBER
	SHEET NUMBER WHERE DRAWN
	ELEVATION INDICATOR
	VIEW OF ELEVATION
	SHEET NUMBER WHERE DRAWN
	DRAWING NAME
	NORTH ARROW
	SCALE BAR
	KEYED CONSTRUCTION NOTE
	REVISION CLOUD & NUMBER

SHEET INDEX

CIVIL	
C-0.1	CIVIL COVER PAGE & KEY PLAN
C-0.2	GENERAL CIVIL NOTES
C-0.3	REFERENCE SURVEY
C-0.4	OVERALL SITE DEVELOPMENT PLAN
C-1.1	EXISTING CONDITIONS & CIVIL DEMOLITION PLAN
C-1.2	CIVIL SITE PLAN
C-1.3	GRADING PLAN
C-1.4	UTILITY PLAN
C-1.5	SIGNAGE & STRIPING PLAN
C-1.6	SOUTH PARKING LOT MODIFICATIONS
C-2.1	ENLARGED PLANS
C-2.2	ENLARGED STAIR PLAN & ELEVATIONS
C-5.1	CIVIL DETAILS
C-5.2	CIVIL DETAILS
C-5.3	CIVIL DETAILS
C-5.4	CIVIL DETAILS
C-5.5	CIVIL DETAILS
C-5.6	CIVIL DETAILS
C-6.1	SALEM STANDARD DETAILS

EROSION & SEDIMENT CONTROL PLANS (ESCP)

EC-0.1	ECSP COVER PAGE
EC-0.2	ECSP NOTES
EC-1.1	ESCP EXISTING CONDITIONS
EC-1.2	ESCP DEMO, CLEARING & MASS GRADING PHASE
EC-1.3	ESCP PAVEMENT AND UTILITY PHASE
EC-1.4	ESCP LANDSCAPING & FINAL STABILIZATION PHASE
EC-5.1	ECSP DETAILS



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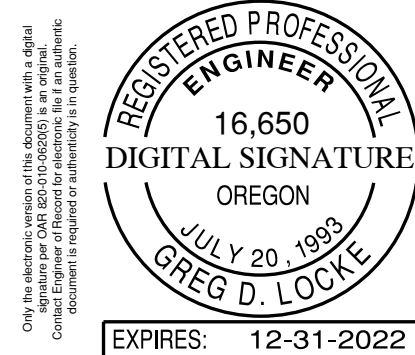
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PERMIT SET

A NEW PROJECT FOR SALEM-KEIZER SCHOOL DISTRICT @

HALLMAN
ELEMENTARY SCHOOL

SALEM, OR
4000 DEERHAVEN DR. NE



DRAWN BY:	SC
CHECKED BY:	GL
DATE:	10/1/2021
TITLE:	CIVIL COVER PAGE & KEY PLAN
SCALE:	SEE SHEET

SHEET NO:
C-0.1
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GENERAL NOTES

GENERAL REQUIREMENTS

- PRIOR TO START OF WORK, CONTRACTOR TO PROVIDE PRE-CONSTRUCTION RECORD DRAWING CROSS-REFERENCED WITH PHOTOGRAPHIC DOCUMENTATION OF ALL DAMAGED OR DEFECTIVE CURBS AND SIDEWALKS THAT ARE NOT SCHEDULED FOR REPAIR OR REPLACEMENT. PROVIDE ONE COPY TO THE ENGINEER, ONE TO THE OWNER AND MAINTAIN CONTRACTOR COPIES AS NEEDED. THESE DRAWINGS AND PHOTOS WILL SERVE AS THE MEANS TO IDENTIFY DAMAGE THAT OCCURRED DURING CONSTRUCTION. DAMAGE THAT OCCURS DURING CONSTRUCTION MUST BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- THE NORTHING AND EASTING VALUES SHOWN ON THIS PLAN ARE BASED UPON THE PROJECT COORDINATE SYSTEM AS SET BY THE ORIGINAL TOPOGRAPHIC SURVEY. INDIVIDUAL NORTHING AND EASTING LOCATIONS ARE BASED UPON THE ENGINEER'S LAYOUT OF THE IMPROVEMENTS ON THE CIVIL SITE PLAN AND ARE INTENDED TO PROVIDE THE CONTRACTOR A MEANS BY WHICH TO VERIFY THE LOCATION OF THE SITE IMPROVEMENTS AS SHOWN ON THIS PLAN.
- REFER TO THE CIVIL PLANS FOR SITE LAYOUT DIMENSIONS SUCH AS BUILDING SETBACKS, BUFFER YARDS, DRIVEWAY WIDTHS, PARKING STALL DIMENSIONS, PARKING STALL COUNTS, ISLAND LAYOUT AND PEDESTRIAN WALKWAY WIDTHS.
- THE SURVEYOR OR OTHER PERSON STAKING THE BUILDING AND PARKING LOT LAYOUT IS RESPONSIBLE FOR DOING SO ACCORDING TO THE WRITTEN DIMENSIONS AND COORDINATES SHOWN ON THE MOST CURRENT SET OF PROJECT PLANS. POINTS EXTRACTED FROM ELECTRONIC FILES MAY NOT EXACTLY MATCH THE DESIGNER'S INTENDED LAYOUT AS DIMENSIONED. WRITTEN DIMENSIONS ON THE PLANS GOVERN OVER ELECTRONIC DATA. PLANS SHOULD NOT BE SCALED. CONTACT ARCHITECT AND/OR ENGINEER TO VERIFY DIMENSIONS THAT ARE NOT CLEARLY PROVIDED ON THE PLANS.
- ALL CONSTRUCTION MATERIALS AND WORKMANSHIP IN PUBLIC RIGHT-OF-WAY OR EASEMENT TO CONFORM TO CITY OF SALEM DEPARTMENT OF PUBLIC WORKS "DESIGN STANDARDS" AND "STANDARD CONSTRUCTION SPECIFICATIONS". FACILITIES WITHIN ANOTHER APPROVING AGENCIES JURISDICTION SHALL CONFORM TO THAT AGENCY'S CONSTRUCTION SPECIFICATIONS. OTHER AGENCIES MAY INCLUDE CITY, COUNTY, OREGON HEALTH DIVISION (OHD) AND THE OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ).
- REFERENCES TO STANDARD DRAWING NUMBERS REFER TO CITY OF SALEM STANDARD DRAWINGS.
- CONTRACTOR SHALL OBTAIN A CONSTRUCTION PERMIT FROM CITY OF SALEM PUBLIC WORKS ENGINEERING AND SHALL CONTACT CONSTRUCTION MANAGEMENT AT (503)588-6211, (DURING WORKING HOURS) 48 HOURS PRIOR TO START OF ANY WORK.
- ANY CHANGE IN CONSTRUCTION AFTER PLAN APPROVAL MUST BE SUBMITTED IN WRITING AND APPROVED BY CITY PRIOR TO CHANGE, AS PER CITY OF SALEM STANDARD CONSTRUCTION SPECIFICATIONS.
- CONTRACTOR SHALL PROCURE, PAY ALL COSTS FOR, AND CONFORM TO ALL CONSTRUCTION PERMITS REQUIRED BY THE LOCAL JURISDICTION OR APPROVING AUTHORITY. CONTRACTOR SHALL COORDINATE AND PAY ALL FEES AND COSTS ASSOCIATED WITH CONNECTING TO EXISTING WATER, SANITARY SEWER AND STORM SEWER FACILITIES, INCLUDING SERVICES AND INSPECTIONS BY THE GOVERNING JURISDICTIONS. COSTS SHALL INCLUDE AS APPLICABLE BUT NOT BE LIMITED TO FEES FOR CONNECTION, TAPPING, INSPECTION, TESTING, CHLORINATION, WATER METERS, BACKFLOW CERTIFICATIONS, OR OTHER SIMILAR OR RELATED COSTS.
- 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.
- 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, COUNTY OR OTHER AGENCIES SHALL NOT, IN ANY WAY, RELIEVE THE CONTRACTOR FROM ANY OBLIGATION TO PERFORM THE WORK IN STRICT COMPLIANCE WITH THE CONTRACT DOCUMENTS, APPLICABLE CODES, AND AGENCY REQUIREMENTS.
- CONTRACTOR SHALL MAINTAIN ONE COMPLETE SET OF APPROVED DRAWINGS ON THE CONSTRUCTION SITE AT ALL TIMES WHEREIN 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 ENGINEER, LOCAL JURISDICTION OR OWNER'S REPRESENTATIVE UPON REQUEST. FAILURE TO CONFORM TO THIS REQUIREMENT MAY RESULT IN DELAY IN PAYMENT AND/OR FINAL ACCEPTANCE OF THE PROJECT.
- 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 SHOWING ALL LENGTHS, DEPTHS, INVERTS, AND LOCATIONS OF COMPLETED WORK. CONTRACTOR IS RESPONSIBLE FOR COORDINATION AND SECURING OF ALL SURVEYING SERVICES NECESSARY TO ACCURATELY OBTAIN AS-BUILT INFORMATION. ALL INFORMATION SHOWN ON THE CONTRACTORS' 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 PROCURE AND CONFORM TO CITY OF SALEM EROSION CONTROL PERMIT FOR CONSTRUCTION ACTIVITIES INVOLVING GROUND DISTURBANCE OF 25 CUBIC YARDS OF MATERIAL OR 1,000 SQUARE FEET OF LAND SURFACE AT ONE TIME.
- CONTRACTOR SHALL RETAIN AND PAY FOR THE SERVICES OF A 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. AT THE DESIGN ENGINEER'S REQUEST, THE REGISTERED PROFESSIONAL SURVEYOR SHALL PROVIDE THE DESIGN ENGINEER WITH COPIES OF ALL GRADE SHEETS FOR CONSTRUCTION STAKING PERFORMED FOR THE PROJECT.
- GEOTECHNICAL INVESTIGATION AND REPORT - THE DESIGN IS BASED ON OWNER-ACCEPTED RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT PREPARED BY INTERTEK PSI DATED JUNE 12, 2021.
- AS PART OF FINAL CLEANUP, CONTRACTOR IS RESPONSIBLE TO CLEAN AND FLUSH ALL STORM DRAINAGE STRUCTURES AND PIPING FROM INLETS TO POINT OF DISPOSAL. ALL DEBRIS REMOVED FROM SYSTEM IS TO BE REMOVED FROM THE SITE.

EXISTING UTILITIES AND FACILITIES

- COORDINATION AND NOTIFICATION WITH LOCAL JURISDICTION AND UTILITY COMPANIES:
 - 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.
 - OREGON LAW REQUIRES THE CONTRACTOR 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. COPIES OF THE RULES ARE AVAILABLE BY CALLING THE OREGON UTILITY NOTIFICATION CENTER AT (503) 232-1987.
 - THE CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION AND EACH UNDERGROUND UTILITY AT LEAST 48 BUSINESS-DAY HOURS PRIOR TO EXCAVATING, BORING, OR POTHOLING. ALL UTILITY CROSSINGS SHALL BE POTHOLED AS NECESSARY PRIOR TO EXCAVATING OR BORING TO ALLOW THE CONTRACTOR TO PREVENT GRADE OR ALIGNMENT CONFLICTS.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND MARKING ALL EXISTING DISCOVERED 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-INVASIVE METHODS PRIOR TO EXCAVATING OR BORING. 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 LOCAL JURISDICTION AND OWNER'S REPRESENTATIVE.
- 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 AFTER APPROPRIATE VERIFICATION PROCEDURES HAVE TAKEN PLACE.
- 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.
- CONTRACTOR SHALL COORDINATE AND PAY ALL COSTS ASSOCIATED WITH REMOVING OR ABANDONING ANY SEPTIC TANKS, WELLS (INCLUDING BOREHOLE PIEZOMETERS) AND FUEL TANKS ENCOUNTERED AS PER REGULATING AGENCY REQUIREMENTS. WHEN SHOWN ON THE DRAWINGS, THESE STRUCTURES SHALL BE REMOVED OR ABANDONED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY UPON DISCOVERY OF ANY SEPTIC TANKS, WELLS, OR FUEL TANKS NOT SHOWN ON THE DRAWINGS, AND OBTAIN CONCURRENCE FROM THE OWNER PRIOR TO PROCEEDING WITH THE WORK. THE CONTRACTOR SHALL PROVIDE THE OWNER WITH A DETAILED COST BREAKDOWN OF ALL WORK RELATED TO REMOVING OR ABANDONING SAID STRUCTURES. THE CONTRACTOR WILL BE REIMBURSED ON A TIME & MATERIALS BASIS OR AT A NEGOTIATED PRICE AS AGREED BY THE OWNER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MANAGING CONSTRUCTION ACTIVITIES TO ENSURE THAT PUBLIC STREETS AND DRIVEWAYS ARE KEPT CLEAN OF MUD, DUST OR DEBRIS. DUST ABATEMENT SHALL BE MAINTAINED BY ADEQUATE WATERING OF THE SITE BY THE CONTRACTOR.

TRAFFIC CONTROL

- CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, TRAFFIC CONES (AND ALL OTHER TRAFFIC CONTROL DEVICES REQUIRED) PER CITY, COUNTY AND ODOT REQUIREMENTS IN ACCORDANCE WITH THE CURRENT 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.
- PRIOR TO ANY WORK IN THE EXISTING RIGHT-OF-WAY, CONTRACTOR SHALL SUBMIT FINAL TRAFFIC CONTROL PLAN TO CITY OF SALEM FOR REVIEW AND ISSUANCE OF LANE CLOSURE PERMIT.
- CONTRACTOR TO OBTAIN A LANE CLOSURE PERMIT BEFORE CONSTRUCTION STARTS FOR ANY WORK WITHIN THE EXISTING PUBLIC RIGHT-OF-WAY, INCLUDING PUBLIC STREET IMPROVEMENTS OR DRIVEWAY CONNECTIONS TO EXISTING STREETS.

SUBMITTALS, TESTING AND INSPECTION

- 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 AND/OR CORRECTIVE MEASURES ARISING FROM UNINSPECTED WORK.

- THE SPECIFICATIONS OUTLINE THE REQUIRED SUBMITTALS AND MINIMUM TESTING AND INSPECTION REQUIREMENTS FOR THE PROJECT. THE CONTRACTOR HAS THE RESPONSIBILITY OF OBTAINING ALL NECESSARY TESTING, INSPECTIONS OR OBSERVATIONS FOR ALL WORK PERFORMED, REGARDLESS OF WHO IS RESPONSIBLE FOR PAYMENT. COST FOR RETESTING SHALL BE BORNE BY THE CONTRACTOR.

GRADING, DRAINAGE, CURBS AND SIDEWALKS

- 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 APPLY 6" MINIMUM TOPSOIL, FINE GRADE, SEED AND MULCH (UNIFORMLY BY HAND OR HYDRO-SEED) ALL 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. SEE LANDSCAPE PLANS FOR SPECIFIC SOIL PREPARATION AND IRRIGATION FOR THOSE AREAS SCHEDULED TO BE LANDSCAPED.
- CONTRACTOR SHALL CONSTRUCT ALL ACCESS RAMPS IN ACCORDANCE WITH CURRENT ADA REQUIREMENTS.
- WHERE TRENCH EXCAVATION REQUIRES REMOVAL OF PCC CURBS AND/OR SIDEWALKS, THE CURBS AND/OR SIDEWALKS SHALL BE SAWCUT AND REMOVED AT A TOOLED JOINT UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE LOCAL JURISDICTION. THE SAWCUT LINES SHOWN ON THE DRAWINGS ARE SCHEMATIC AND NOT INTENDED TO SHOW THE EXACT ALIGNMENT OF SUCH CUTS.
- REPLACE PUBLIC SIDEWALK AND CURB DAMAGED BY CONSTRUCTION ACTIVITY PER CITY OF SALEM STANDARD DRAWING NO. 303 AND 306.

PIPED UTILITIES

- PIPE BEDDING AND BACKFILL IN PUBLIC RIGHT-OF-WAY OR EASEMENT TO BE DONE PER CITY OF SALEM STANDARD CONSTRUCTION SPECIFICATIONS. SEE PLAN FOR EXTENTS.
- ALL TAPPING OF EXISTING MUNICIPAL SANITARY SEWER, WATER LINES, STORM DRAIN MAINS, AND MANHOLES MUST BE DONE BY CITY FORCES.
- CONTRACTOR SHALL ARRANGE TO ABANDON EXISTING SEWER AND WATER SERVICES NOT SCHEDULED TO REMAIN IN SERVICE IN ACCORDANCE WITH APPROVING AGENCY REQUIREMENTS.
- 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.

- ALL NON-METALLIC WATER, SANITARY AND STORM SEWER PIPING SHALL HAVE AN ELECTRICALLY CONDUCTIVE 12-GAUGE STRANDED OR SOLID COPPER INSULATED HIGH MOLECULAR WEIGHT POLYETHYLENE (HMW-PE) TRACER WIRE THE FULL LENGTH OF THE INSTALLED PIPE. THE HMW-PE INSULATED COVER SHALL BE A MINIMUM 45 MIL THICK AND UL RATED FOR 140 °F. USE 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 CLEAN OUT 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. ALL TRACER WIRE SPLICES SHALL BE MADE WITH WATERPROOF SPLICES OR WATERPROOF/CORROSION RESISTANT WIRE NUTS.
- 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.

WATER SYSTEM

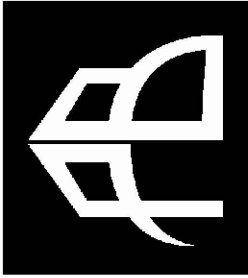
- LANDSCAPE IRRIGATION BACKFLOW PREVENTION DEVICES AND VAULTS SHALL CONFORM TO REQUIREMENTS OF PUBLIC AND/OR PRIVATE AGENCIES HAVING JURISDICTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING BACKFLOW DEVICES TESTED AND CERTIFIED PRIOR TO FINAL ACCEPTANCE OF THE WORK.

- THE WORK SHALL BE PERFORMED IN A MANNER DESIGNATED TO MAINTAIN WATER SERVICE TO BUILDINGS SUPPLIED FROM THE EXISTING WATERLINES. IN NO CASE SHALL SERVICE TO ANY MAIN LINE OR BUILDING BE INTERRUPTED FOR MORE THAN FOUR (4) HOURS IN ANY ONE DAY. CONTRACTOR SHALL NOTIFY THE LOCAL JURISDICTION AND ALL AFFECTED RESIDENTS AND BUSINESSES A MINIMUM OF 24 BUSINESS HOURS (1 BUSINESS DAY) BEFORE ANY INTERRUPTION OF SERVICE.

SANITARY AND STORM DRAIN SYSTEMS

- CATCH BASINS AND JUNCTION BOXES SHALL BE SET SQUARE WITH BUILDINGS OR WITH THE EDGE OF THE PARKING LOT OR STREET WHEREIN THEY LIE. STORM DRAIN INLET STRUCTURES AND PAVING SHALL BE ADJUSTED SO WATER FLOWS INTO THE STRUCTURE WITHOUT PONDING WATER.
- UNLESS OTHERWISE APPROVED BY THE ENGINEER, ALL STORM DRAIN CONNECTIONS SHALL BE BY MANUFACTURED TEES OR SADDLES.
- UNLESS OTHERWISE SHOWN ON THE DRAWINGS, ALL STORM PIPE INLETS & OUTFALLS SHALL BE BEVELED FLUSH TO MATCH THE SLOPE WHEREIN THEY LIE.
- SWEEP (DEFLECT) STORM SEWER PIPE INTO CATCH BASINS AND MANHOLES AS REQUIRED. JOINT DEFLECTION SHALL NOT EXCEED 5 DEGREES OR MANUFACTURERS RECOMMENDATIONS, WHICHEVER IS LESS.
- BEFORE FINAL ACCEPTANCE, FLUSH AND CLEAN ALL STORM DRAINS, AND REMOVE ALL FOREIGN MATERIAL FROM THE MAINLINES, MANHOLES, CATCH BASINS AND DETENTION STRUCTURES.
- CLEANOUTS ON SANITARY SEWER AND STORM DRAIN PIPING TO BE SPACED MAXIMUM OF 100 FEET UNLESS CLEANOUTS ARE REQUIRED FOR EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING 135 DEGREES (OPSC 719).
- CLEANOUT COVER TO BE 18" TALL CAST IRON VALVE BOX AND COVER. INSTALL FLUSH WITH FINISHED GRADE.

REV.	DATE	DESCRIPTION
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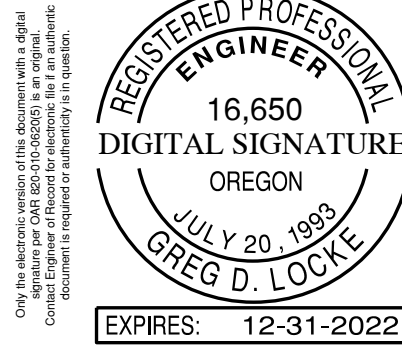
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503.364.8207 LockEngineers.com
J.O. 17061-5

PERMIT SET

A NEW PROJECT FOR SALEM-KEIZER SCHOOL DISTRICT @

HALLMAN
ELEMENTARY SCHOOL

4000 DEERHAVEN DR. NE
SALEM, OR

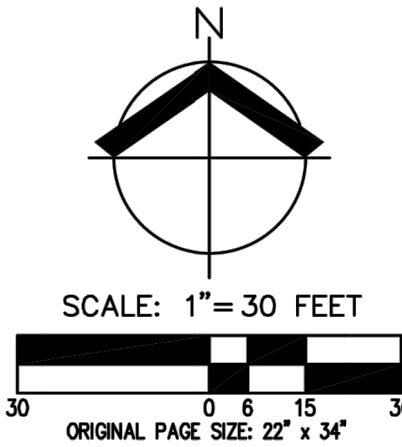


DRAWN BY:	SC
CHECKED BY:	GL
DATE:	10/1/2021
TITLE:	GENERAL CIVIL NOTES
SCALE:	SEE SHEET

SHEET NO:
C-0.2
OF 26

NOTES:

- UTILITIES SHOWN ARE BASED ON UNDERGROUND UTILITY LOCATE MARKINGS PROVIDED BY OTHERS PER PUBLIC UTILITY LOCATE TICKET NUMBERS 21033012, 21033016, AND 21040299 AND PER PRIVATE LOCATING SERVICES. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND LOCATES REPRESENT THE ONLY UTILITIES IN THE AREA. CONTRACTORS ARE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BEGINNING CONSTRUCTION.
- FIELD WORK WAS CONDUCTED FEBRUARY 11, 16, AND 17 AND MARCH 4 AND 18, 2021.
- VERTICAL DATUM: ELEVATIONS ARE BASED ON NGS BENCHMARK QEI447, LOCATED AT THE INTERSECTION OF LANCASTER DRIVE NE AND WOLVERINE STREET NE APPROXIMATELY 105 FEET EAST OF THE CENTERLINE OF THE NORTHBOUND LANES OF THE DRIVE AND 30 FT SOUTH OF THE CENTER OF THE STREET. THE NAVD88 ELEVATION OF 202.94 FEET WAS ADJUSTED TO NGVD29 WITH A VERTCON SHIFT OF -3.36 FEET, SETTING THE NGVD29 ELEVATION AT 199.58.
- HORIZONTAL DATUM: A LOCAL DATUM PLANE DERIVED FROM STATE PLANE OREGON NORTH 3601 NAD83 (2011) EPOCH 2010.0000 BY MULTIPLYING BY A PROJECT MEAN GROUND COMBINED SCALE FACTOR OF 1.00010483058952 AT A CENTRAL PROJECT POINT WITH INTERNATIONAL FEET STATE PLANE GRID COORDINATES OF N:488178.996 E:7556065.358 AND A MERIDIAN CONVERGENCE ANGLE OF -1'46"15". STATE PLANE COORDINATES WERE DERIVED FROM GPS OBSERVATIONS USING THE TRIMBLE VRS NOW NETWORK. DISTANCES SHOWN ARE INTERNATIONAL FEET GROUND VALUES.
- THIS IS NOT A BOUNDARY SURVEY TO BE RECORDED WITH THE COUNTY. BOUNDARIES MAY BE PRELIMINARY AND SHOULD BE CONFIRMED WITH THE STAMPING SURVEYOR PRIOR TO RELYING ON FOR DETAILED DESIGN OR CONSTRUCTION.
- BUILDING FOOTPRINTS ARE MEASURED TO SIDING UNLESS NOTED OTHERWISE. CONTACT SURVEYOR WITH QUESTIONS REGARDING BUILDING TIES.
- CONTOUR INTERVAL IS 1 FOOT.
- TREES WITH A DIAMETER OF 6" AND GREATER ARE SHOWN. TREE DIAMETERS WERE MEASURED WITH A DIAMETER TAPE AT BREAST HEIGHT. TREE INFORMATION IS SUBJECT TO CHANGE UPON ARBORIST INSPECTION.
- STRUCTURE WAS FOUND WITHOUT UTILITIES MARKED. ADDITIONAL UNDERGROUND UTILITIES MAY BE IN THE AREA.
- SUBJECT TO A STATE OF OREGON EASEMENT FOR THE IMPROVEMENT AND MAINTENANCE OF CLAGGETT CREEK PER VOLUME 474 PAGE 528.
- SUBJECT TO CITY OF SALEM EASEMENTS FOR SEWER UTILITIES AND RESTRICTIONS PER VOLUME 99 PAGES 375 AND 384, MARION COUNTY DEED RECORDS. THE EASEMENTS FALL WITHIN THE WESTERLY PORTION OF THE SITE. THE EXACT LOCATION CAN NOT BE DETERMINED.
- AN EASEMENT OVER THE ENTIRETY OF TAX LOT 3200 OF TAX MAP 07 3W 12AC WAS GRANTED BY ITS FORMER OWNER TO SALEM-KEIZER SCHOOL DISTRICT 24J FOR THE PURPOSE OF A BUS ACCESS AND TURNAROUND PER R2973 P268.



LEGEND

EXISTING	EXISTING
DECIDUOUS TREE	STORM DRAIN CLEAN OUT
CONIFEROUS TREE	STORM DRAIN CATCH BASIN
FIRE HYDRANT	STORM DRAIN AREA DRAIN
WATER BLOWOFF	STORM DRAIN MANHOLE
WATER METER	STORM DRAIN DOWNSPOUT
WATER VALVE	GAS METER
WATER VAULT	GAS VALVE
WATER IRRIGATION VALVE	GUY WIRE ANCHOR
DOUBLE CHECK VALVE	UTILITY POLE
AIR RELEASE VALVE	TRAFFIC SIGNAL POLE
SANITARY SEWER CLEAN OUT	POWER VAULT
SANITARY SEWER MANHOLE	POWER JUNCTION BOX
SIGN	POWER PEDESTAL
STREET LIGHT	COMMUNICATIONS VAULT
MAILBOX	COMMUNICATIONS JUNCTION BOX
	COMMUNICATIONS RISER

EXISTING
RIGHT-OF-WAY LINE
BOUNDARY LINE
PROPERTY LINE
CENTERLINE
DITCH
CURB
EDGE OF PAVEMENT
EASEMENT
FENCE LINE
GRAVEL EDGE
POWER LINE
OVERHEAD WIRE
COMMUNICATIONS LINE
FIBER OPTIC LINE
GAS LINE
STORM DRAIN LINE
SANITARY SEWER LINE
WATER LINE

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HALLMAN
ELEMENTARY SCHOOL
SALEM
TAX LOTS 3200 AND 3201

EXISTING CONDITIONS
PLAN

DESIGNED BY: _____
DRAWN BY: JB
MANAGED BY: JFS
CHECKED BY: NSW
DATE: 03/31/2021

REGISTERED
PROFESSIONAL
LAND SURVEYOR

Nick White
NICK WHITE
JANUARY 9, 2007
7065215
RENEWALS: 6/30/22

REVISIONS

JOB NUMBER
6656-32

SHEET
C001

TREE TABLE		
TREE NUMBER	TYPE	DBH (IN.)
10405	DECIDUOUS	13 16
10674	DECIDUOUS	6
10675	DECIDUOUS	6 10
10676	DECIDUOUS	8
10684	DECIDUOUS	10
10716	DECIDUOUS	7
10823	DECIDUOUS	18
10824	DECIDUOUS	17
10825	CONIFEROUS	38
10826	DECIDUOUS	10
10827	DECIDUOUS	10 16
10828	DECIDUOUS	12

REFERENCE SURVEY

1" = 30'-0"



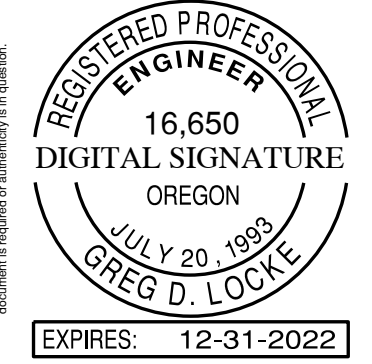
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A NEW PROJECT FOR SALEM-KEIZER SCHOOL DISTRICT @
HALLMAN
ELEMENTARY SCHOOL
SALEM, OR
4000 DEERHAVEN DR. NE



DRAWN BY: SC
CHECKED BY: GL
DATE: 10/1/2021
TITLE: REFERENCE SURVEY
SCALE: SEE SHEET

SHEET NO:
C-0.3
OF 26

REV.	DATE	DESCRIPTION
1	03 DEC 2021	BUILDING CODE REVISIONS - 12.03.2021
3	24 DEC 2021	ADDITIONAL COORDINATION ITEMS - 12.24.2021
4	7 JAN 2022	REMOVAL OF BUS SHELTER



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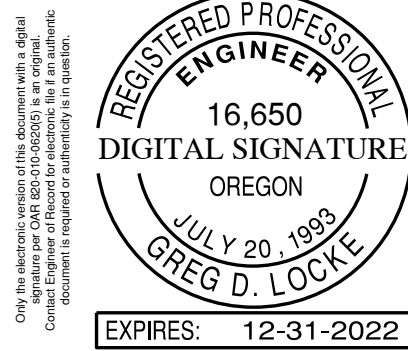
PAUL L BENTLEY Architect A.I.A. P.C.



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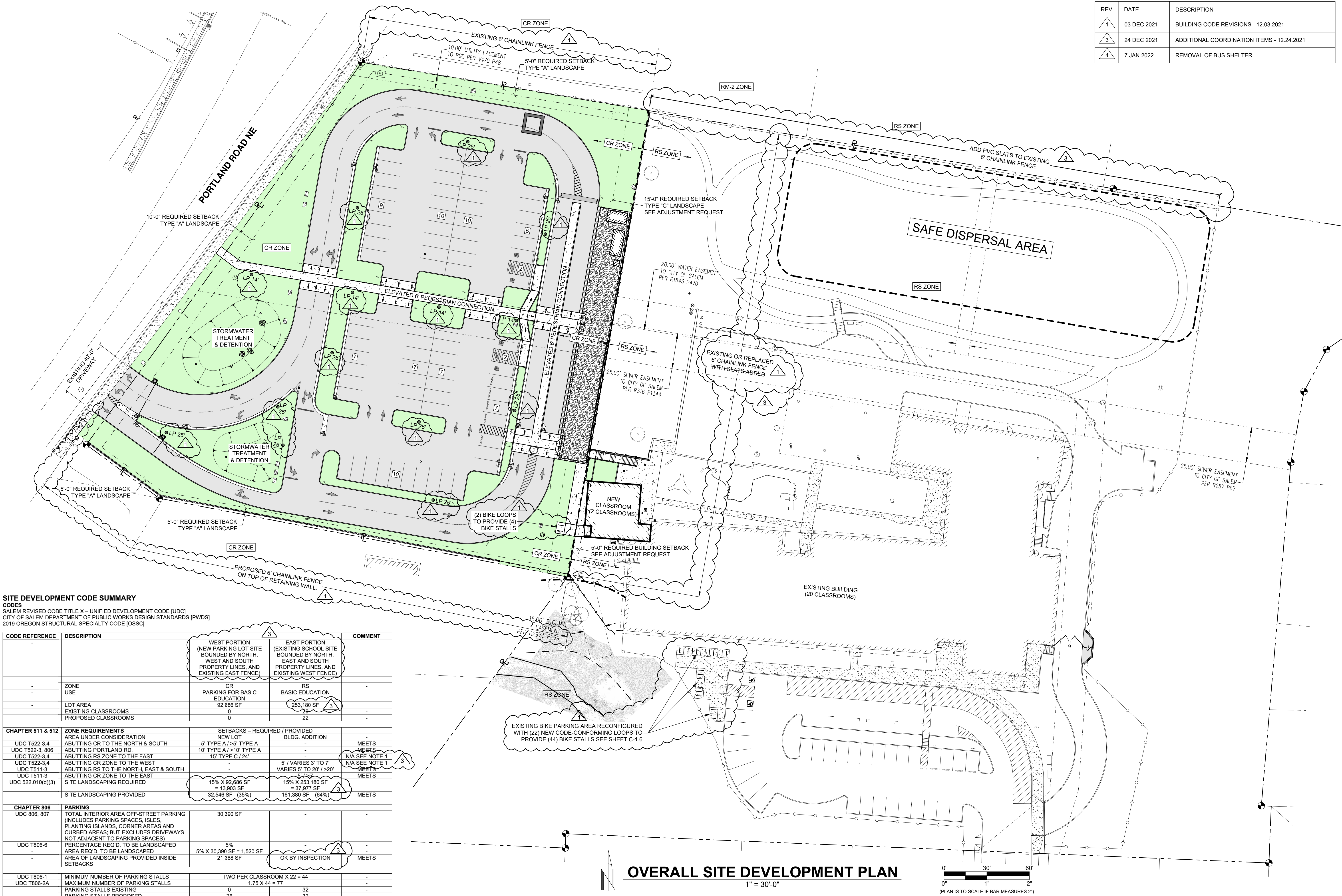
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SALEM, OR



DRAWN BY:	SC
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DATE:	10/1/2021
TITLE:	OVERALL SITE DEVELOPMENT PLAN
SCALE:	SEE SHEET

SHEET NO:	C-0.4
OF	26



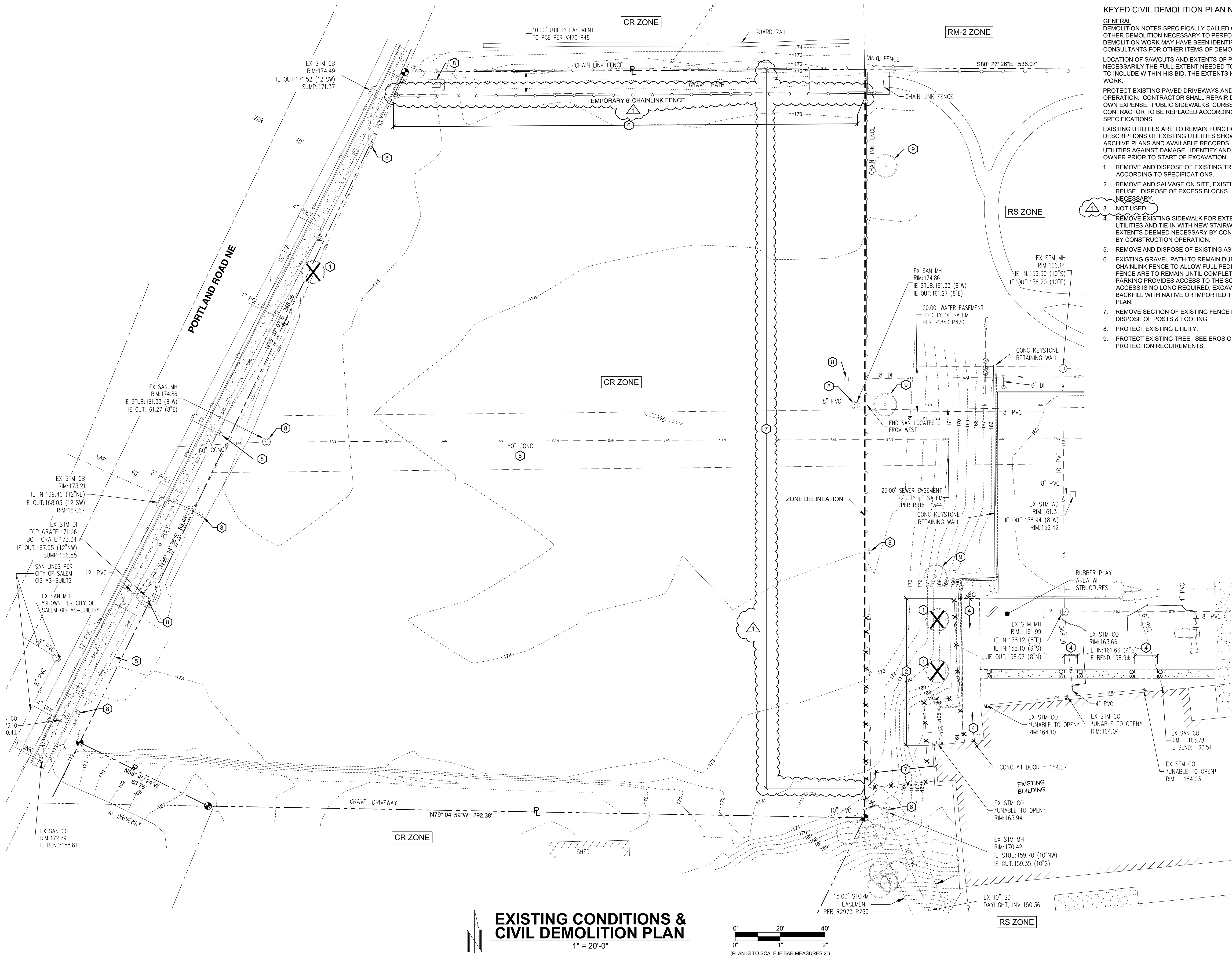
SITE DEVELOPMENT CODE SUMMARY

CODES
SALEM REVISED CODE TITLE X – UNIFIED DEVELOPMENT CODE [UDC]
CITY OF SALEM DEPARTMENT OF PUBLIC WORKS DESIGN STANDARDS [PWDS]
2019 OREGON STRUCTURAL SPECIALTY CODE [OSSC]

CODE REFERENCE	DESCRIPTION	COMMENT
-	WEST PORTION (NEW PARKING LOT SITE BOUNDED BY NORTH, WEST AND SOUTH PROPERTY LINES, AND EXISTING EAST FENCE)	EAST PORTION (EXISTING SCHOOL SITE BOUNDED BY NORTH, EAST AND SOUTH PROPERTY LINES, AND EXISTING WEST FENCE)
-	CR	RS
-	PARKING FOR BASIC EDUCATION	BASIC EDUCATION
-	EXISTING CLASSROOMS	253,180 SF
-	PROPOSED CLASSROOMS	22
CHAPTER 511 & 512	ZONE REQUIREMENTS	SETBACKS – REQUIRED / PROVIDED
UDC T522-3.4	AREA UNDER CONSIDERATION	NEW LOT
UDC T522-3.806	ABUTTING CR TO THE NORTH & SOUTH	5' TYPE A / >5' TYPE A
UDC T522-3.4	ABUTTING PORTLAND RD.	10' TYPE A / >10' TYPE A
UDC T522-3.4	ABUTTING RS ZONE TO THE EAST	15' TYPE C / 24'
UDC T522-3.4	ABUTTING CR ZONE TO THE WEST	-
UDC T511-3	ABUTTING RS TO THE NORTH, EAST & SOUTH	5' / VARIES 3' TO 7'
UDC T511-3	ABUTTING CR ZONE TO THE EAST	VARIES 5' TO 20' / >20'
UDC 522.010(d)(3)	SITE LANDSCAPING REQUIRED	15% X 92,686 SF = 13,903 SF
		15% X 253,180 SF = 37,977 SF
		32,546 SF (35%)
		161,380 SF (64%)
	SITE LANDSCAPING PROVIDED	MEETS
CHAPTER 806	PARKING	
UDC 806.807	TOTAL INTERIOR AREA OFF-STREET PARKING (INCLUDES PARKING SPACES, ISLES, PLANTING ISLANDS, CORNER AREAS AND CURBED AREAS, BUT EXCLUDES DRIVEWAYS NOT ADJACENT TO PARKING SPACES)	30,390 SF
UDC T806-6	PERCENTAGE REQ'D. TO BE LANDSCAPED	5%
-	AREA REQ'D. TO BE LANDSCAPED	5% X 30,390 SF = 1,520 SF
-	AREA OF LANDSCAPING PROVIDED INSIDE SETBACKS	21,388 SF
		OK BY INSPECTION
UDC T806-1	MINIMUM NUMBER OF PARKING STALLS	TWO PER CLASSROOM X 22 = 44
UDC T806-2A	MAXIMUM NUMBER OF PARKING STALLS	1.75 X 44 = 77
	PARKING STALLS EXISTING	0
	PARKING STALLS PROPOSED	76
	TOTAL STALLS PROPOSED FOR SITE	108
OSSC TABLE 1106.1	ADA STALLS REQUIRED	5
	ADA STALLS PROVIDED	(INCL. 1 VAN & 1 WHEELCHAIR ONLY)
		6
UDC T806-8	BICYCLE PARKING SPACES REQUIRED	(INCL. 2 VAN & 1 WHEELCHAIR ONLY)
	BICYCLE PARKING SPACES PROVIDED	TWO PER CLASSROOM X 22 = 44
UDC T806-9	LOADING SPACES REQUIRED	4
		2

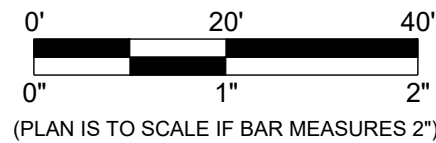
NOTES
1. SINCE LOTS ARE BEING CONSOLIDATED, THERE ARE NO ZONE-TO-ZONE SETBACK REQUIREMENTS WHERE THE TWO PARCELS ONCE MET ALONG THE EXISTING FENCE.

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EXISTING CONDITIONS & CIVIL DEMOLITION PLAN

1" = 20'-0"



REV.	DATE	DESCRIPTION
1	03 DEC 2021	BUILDING CODE REVISIONS - 12.03.2021

KEYED CIVIL DEMOLITION PLAN NOTES (##):

GENERAL

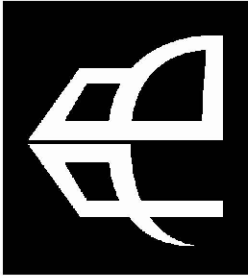
DEMOLITION NOTES SPECIFICALLY CALLED OUT ON PLAN ARE IN ADDITION TO ANY INCIDENTAL OR OTHER DEMOLITION NECESSARY TO PERFORM THE REQUIRED WORK. NOT ALL REQUIRED DEMOLITION WORK MAY HAVE BEEN IDENTIFIED. SEE DEMO PLANS OF ARCHITECT AND OTHER CONSULTANTS FOR OTHER ITEMS OF DEMOLITION NOT RELATED TO CIVIL DESIGN.

LOCATION OF SAWCUTS AND EXTENTS OF PAVEMENT REMOVAL IS SCHEMATIC AND NOT NECESSARILY THE FULL EXTENT NEEDED TO PERFORM THE WORK. CONTRACTOR IS RESPONSIBLE TO INCLUDE WITHIN HIS BID, THE EXTENTS HE FEELS IS NEEDED TO PROPERLY COMPLETE THE WORK.

PROTECT EXISTING PAVED DRIVEWAYS AND SIDEWALKS FROM DAMAGE FROM CONSTRUCTION OPERATION. CONTRACTOR SHALL REPAIR DAMAGED SURFACE SCHEDULED TO REMAIN AT THEIR OWN EXPENSE. PUBLIC SIDEWALKS, CURBS AND DRIVEWAY APPROACHES DAMAGED BY CONTRACTOR TO BE REPLACED ACCORDING TO CITY OF SALEM STANDARD DRAWINGS AND SPECIFICATIONS.

EXISTING UTILITIES ARE TO REMAIN FUNCTIONAL DURING ENTIRE PROJECT. LOCATIONS AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE AND BASED ON FIELD SURVEY, ARCHIVE PLANS AND AVAILABLE RECORDS. TAKE PRECAUTIONS TO LOCATE AND PROTECT UTILITIES AGAINST DAMAGE. IDENTIFY AND MARK LOCATION OF WATER SHUTOFF VALVES WITH OWNER PRIOR TO START OF EXCAVATION.

- REMOVE AND DISPOSE OF EXISTING TREE AND/OR STUMP. CLEAR AND GRUB ROOT BALL ACCORDING TO SPECIFICATIONS.
- REMOVE AND SALVAGE ON SITE, EXISTING SEGMENTAL RETAINING WALL BLOCKS FOR FUTURE REUSE. DISPOSE OF EXCESS BLOCKS. CONTRACTOR VERIFY EXTENTS OF REMOVAL NECESSARY.
- NOT USED.
- REMOVE EXISTING SIDEWALK FOR EXTENTS REQUIRED FOR INSTALLATION OF BUILDING, UTILITIES AND TIE-IN WITH NEW STAIRWAY. CUT SIDEWALK AT FIRST TOOLED JOINT BEYOND EXTENTS DEEMED NECESSARY BY CONTRACTOR. REPLACE ANY OTHER SECTIONS DAMAGED BY CONSTRUCTION OPERATION.
- REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT DRIVEWAY APPROACH.
- EXISTING GRAVEL PATH TO REMAIN DURING CONSTRUCTION. PROVIDE TEMPORARY 6" CHAINLINK FENCE TO ALLOW FULL PEDESTRIAN ACCESS. GRAVEL PATH AND TEMPORARY FENCE ARE TO REMAIN UNTIL COMPLETION OF PERMANENT SIDEWALK PATH THROUGH THE PARKING PROVIDES ACCESS TO THE SCHOOL PROPERTY FROM THE PUBLIC SIDEWALK. ONCE ACCESS IS NO LONG REQUIRED, EXCAVATE TO REMOVE GRAVEL FROM EXISTING PATH, AND BACKFILL WITH NATIVE OR IMPORTED TOPSOIL TO FINAL GRADE ELEVATIONS PER GRADING PLAN.
- REMOVE SECTION OF EXISTING FENCE FABRIC AND POSTS. SALVAGE FABRIC TO OWNER AND DISPOSE OF POSTS & FOOTING.
- PROTECT EXISTING UTILITY.
- PROTECT EXISTING TREE. SEE EROSION AND SEDIMENT CONTROL PLANS FOR TREE PROTECTION REQUIREMENTS.



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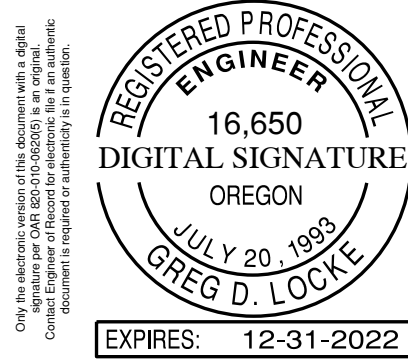
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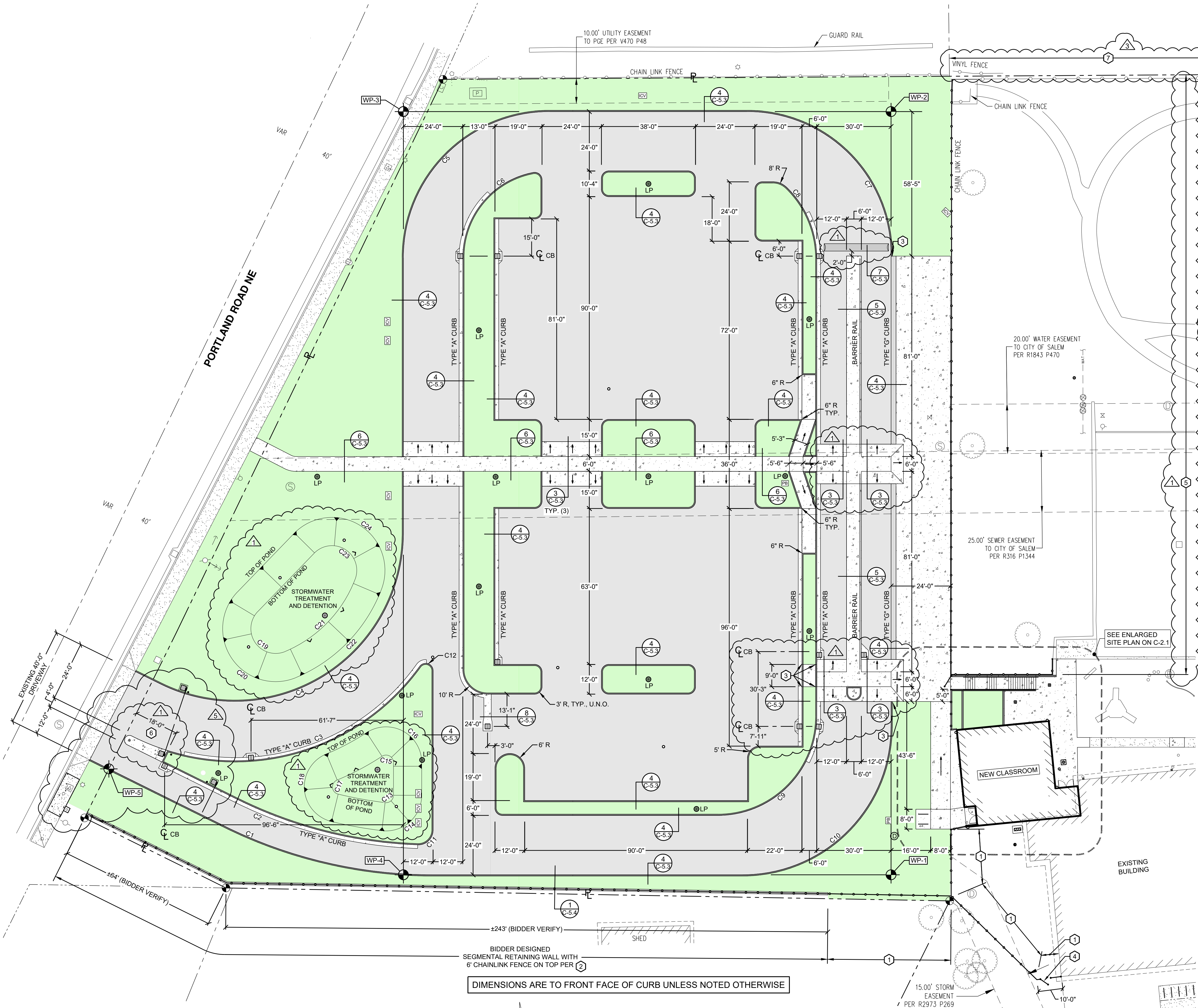
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CHECKED BY:	GL
DATE:	10/1/2021
TITLE:	EXISTING CONDITIONS & CIVIL DEMOLITION PLAN
SCALE:	SEE SHEET

SHEET NO:

C-1.1

OF 26

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REV.	DATE	DESCRIPTION
1	03 DEC 2021	BUILDING CODE REVISIONS - 12.03.2021
3	24 DEC 2021	ADDITIONAL COORDINATION ITEMS - 12.24.2021
4	7 JAN 2022	REMOVAL OF BUS SHELTER
5	01 FEB 2022	ADDENDUM #2: 02.01.2022

KEYED SITE PLAN NOTES

GENERAL

SITE PLAN NOTES SPECIFICALLY CALLED OUT ON PLAN ARE IN ADDITION TO ANY INCIDENTAL WORK NECESSARY TO PERFORM THE REQUIRED WORK. NOT ALL REQUIRED WORK MAY HAVE BEEN IDENTIFIED. SEE ARCHITECTURAL, LANDSCAPE AND ELECTRICAL PLANS FOR ADDITIONAL SITE WORK REQUIREMENTS.

- PROPOSED 6" CHAINLINK FENCE WITH POSTS AT 10' O.C. MAX. SEE SPECIFICATIONS FOR MATERIAL AND INSTALLATION REQUIREMENTS.
- PROPOSED 6" CHAINLINK FENCE WITH POSTS AT 8' O.C. MAX ON TOP OF RETAINING WALL. SEE SPECIFICATIONS FOR FENCE MATERIAL REQUIREMENTS. SEE RETAINING WALL SHOP DRAWINGS FOR POST INSTALLATION IN TOP OF WALL. ACCORDING TO MANUFACTURER'S REQUIREMENTS. SALVAGED FABRIC MEETING SPECIFICATIONS AND WITH NO DAMAGE MAY BE USED. VERIFY CONFORMANCE TO SPECIFICATIONS.
- TAPER CURB HEIGHT TO MATCH OVER 12" LENGTH.
- NEW 4" CHAINLINK SWING GATE WITH LOCKABLE LATCH THAT WILL ACCEPT PADDLE LOCK.
- 6" CHAINLINK FENCE WITH SLATS WITH POSTS AT 10' O.C. MAX. INSTALLED OUTSIDE EDGE OF PAVEMENT. SEE SPECIFICATIONS FOR MATERIAL AND INSTALLATION REQUIREMENTS. SET TOP OF FENCE AT 8" ABOVE SLAB EDGE.
- CONSTRUCT TRAFFIC ISLAND SIMILAR TO CITY OF SALEM STANDARD DRAWING NO. 320. PROVIDE SOLID CONCRETE CONSTRUCTION WITH MODIFIED NOSE ANCHORED TO ASPHALT, DELINEATOR POST AND REFLECTORIZED YELLOW PAINT WITH BEAD BINDER PAINT AND GLASS BEADS ON TOP AND FACE AS INDICATED.
- ADD PVC SLATS TO EXISTING FENCE. COLOR TO BE STOCK COLOR CHOSEN BY OWNER.

WORK POINT LOCATION DATA

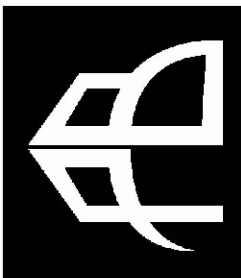
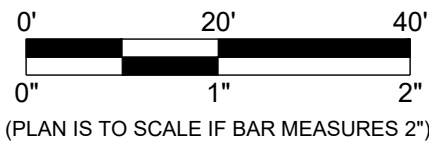
WP #	NORTHING	EASTING
1	487987.24	7556152.19
2	488291.03	7556205.17
3	488324.88	7556011.10
4	488021.09	7555958.12
5	488083.70	7555848.26

CURVE DATA

CURVE #	RADIUS	DELTA	CHORD BEARING	CENTER NORTHING	CENTER EASTING
C1	190.0'	26.34°	S 66°58'10.9" E	488206.22	7556002.51
C2	178.0'	24.37°	S 65°56'55.9" E	488206.21	7556002.51
C3	92.0'	81.14°	N 86°18'56.6" E	488168.84	7555914.84
C4	68.0'	116.62°	N 68°42'08.8" E	488168.83	7555914.84
C5	59.0'	90.00°	S 54°53'35.7" W	488256.62	7556059.08
C6	35.0'	79.19°	S 49°29'24.5" W	488256.62	7556059.08
C7	58.0'	90.13°	N 35°10'19.0" W	488243.86	7556138.07
C8	40.0'	46.13°	N 12°59'35.3" W	488244.57	7556126.01
C9	40.0'	89.51°	N 54°43'00.9" E	488062.32	7556094.22
C10	60.0'	89.94°	N 54°54'38.1" E	488056.66	7556103.39
C11	6.0'	91.97°	N 55°52'50.3" E	488037.89	7555967.14
C12	3.0'	144.15°	N 62°10'51.6" W	488100.77	7555981.15
C13	3.0'	96.84°	N 58°18'41.8" E	488053.95	7555956.74
C14	14.4'	96.84°	N 58°18'50.5" E	488053.95	7555956.74
C15	3.0'	123.34°	N 51°46'36.0" W	488066.98	7555959.01
C16	14.4'	122.81°	N 51°33'33.5" W	488066.98	7555959.01
C17	3.0'	143.89°	S 5°30'07.4" W	488060.47	7555938.97
C18	14.4'	144.67°	S 5°45'05.0" W	488060.46	7555938.98
C19	10.0'	156.74°	S 24°27'11.6" E	488127.93	7555924.38
C20	21.4'	156.72°	S 24°10'32.6" E	488127.93	7555924.38
C21	51.7'	46.26°	N 53°55'53.5" E	488168.56	7555915.03
C22	63.1'	46.38°	N 53°59'26.8" E	488168.56	7555915.03
C23	10.0'	156.88°	N 47°38'27.5" W	488147.21	7555950.84
C24	21.4'	156.59°	N 47°29'50.3" W	488147.21	7555950.84

CIVIL SITE PLAN

1" = 20'-0"



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A NEW PROJECT FOR SALEM-KEIZER SCHOOL DISTRICT @

HALLMAN ELEMENTARY SCHOOL

4000 DEERHAVEN DR. NE
SALEM, OR



DRAWN BY:	SC
CHECKED BY:	GL
DATE:	10/1/2021
TITLE:	CIVIL SITE PLAN
SCALE:	SEE SHEET

SHEET NO:

C-1.2

OF 26

REV.	DATE	DESCRIPTION
1	03 DEC 2021	BUILDING CODE REVISIONS - 12.03.2021
2	01 FEB 2022	ADDENDUM #2: 02.01.2022



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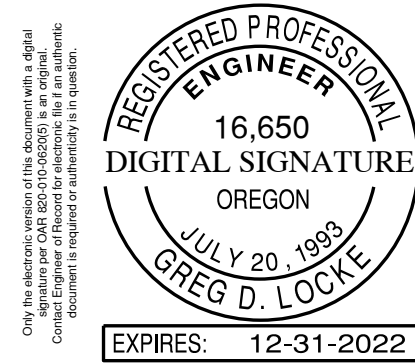
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A NEW PROJECT FOR SALEM-KEIZER SCHOOL DISTRICT @

**HALLMAN
ELEMENTARY SCHOOL**

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SALEM, OR



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CHECKED BY:	GL
DATE:	10/1/2021
TITLE:	GRADING PLAN
SCALE:	SEE SHEET

SHEET NO:	C-1.3
OF	26

KEYED GRADING PLAN NOTES:

GENERAL
GRADING PLAN NOTES SPECIFICALLY CALLED OUT ON PLAN ARE IN ADDITION TO ANY INCIDENTAL OR OTHER GRADING NECESSARY TO PERFORM THE REQUIRED WORK. NOT ALL REQUIRED GRADING MAY HAVE BEEN IDENTIFIED. SEE PLANS OF ARCHITECT AND OTHER CONSULTANTS FOR OTHER ITEMS NOT RELATED TO CIVIL DESIGN.

- CONSTRUCT ROCK PAD AT PIPE OUTLET PER DETAIL 2 ON C-5.2.
- BACKFILL TO TOP OF SLAB WITH TOPSOIL AND BARK MULCH ACCORDING TO LANDSCAPE SPECIFICATIONS. MATCH SLAB EDGE AND SLOPE MIN. 2" AT 2% SLOPE, AND ADDITIONAL 5" MIN. TO TIE IN WITH EXISTING GROUND.
- SEE CIVIL SITE PLAN C-1.2 FOR POND LAYOUT, AND TOP AND BOTTOM OF POND GEOMETRY.

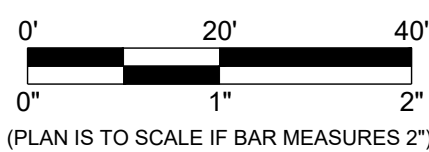
- LIGHT DUTY ASPHALT - CAR PARKING AREAS
3" ASPHALT CONCRETE SURFACE COURSE
8" CRUSHED ROCK BASE COURSE
- HEAVY DUTY ASPHALT - HEAVY VEHICLE USE AREAS
2" ASPHALT CONCRETE SURFACE COURSE
2" ASPHALT CONCRETE BASE COURSE
12" CRUSHED ROCK BASE COURSE
- PEDESTRIAN CONCRETE - PEDESTRIAN ONLY USE AREAS
4" PORTLAND CEMENT CONCRETE
6" CRUSHED ROCK SUBBASE COURSE
- VEHICLE CONCRETE - VEHICLE USE AREAS
6" PORTLAND CEMENT CONCRETE
10" CRUSHED ROCK SUBBASE COURSE
#4 REBAR 16" O.C. EACH WAY

PAVEMENT SURFACE PLAN

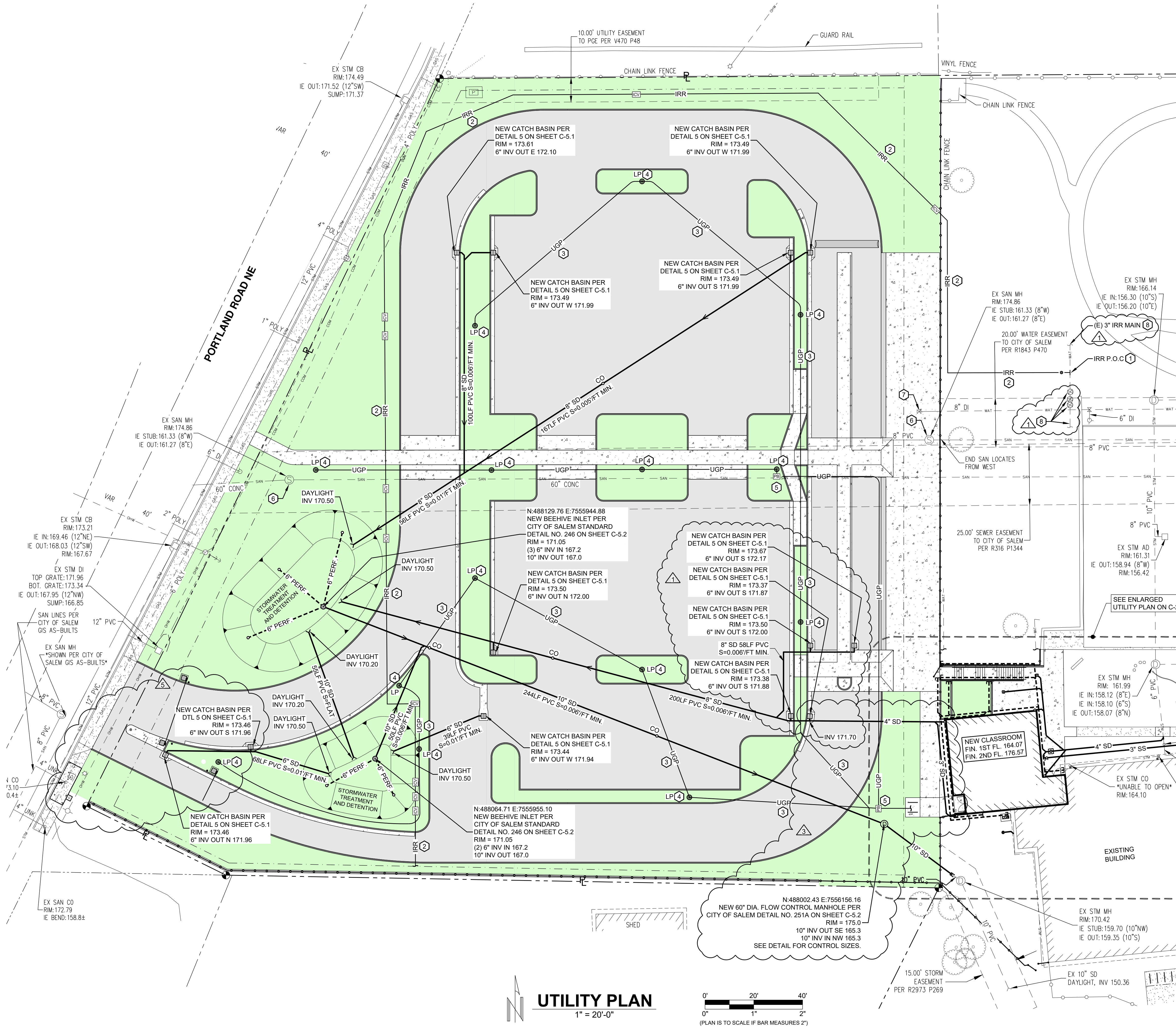
1" = 50'-0"

GRADING PLAN

1" = 20'-0"



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REV.	DATE	DESCRIPTION
1	03 DEC 2021	BUILDING CODE REVISIONS - 12.03.2021
3	24 DEC 2021	ADDITIONAL COORDINATION ITEMS - 12.24.2021
5	01 FEB 2022	ADDENDUM #2: 02.01.2022

GENERAL UTILITY PLAN NOTES

- ALL CONSTRUCTION IN A PUBLIC RIGHT-OF-WAY OR EASEMENT SHALL BE IN ACCORDANCE WITH THE LOCAL JURISDICTION'S STANDARD CONSTRUCTION SPECIFICATIONS AND ANY SPECIAL PROVISIONS INCLUDED AS A PART OF THE APPROVED PLANS.
- 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 952-001-0100. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS 503-232-1987.
- VERIFY EXACT POSITIONS OF UTILITY SERVICE ENTRY POINTS WITH PLUMBING AND ELECTRICAL PLANS, BY OTHERS.
- CONSTRUCT PRIVATE UTILITY TRENCH BEDDING AND BACKFILL PER DETAIL 3 ON C-5.1.
- ALL DOWNSPOUT LATERALS ARE TO BE 3" DIA. UNLESS NOTED OTHERWISE. CONNECTION TO DOWNSPOUT SHALL INCLUDE AN INTEGRAL CLEANOUT PER DETAIL 1 ON C-5.1.
- STORM DRAIN AND SANITARY SEWER PIPE MATERIAL:
WITHIN 5' OF A BUILDING FOUNDATION:
 - USE ASTM 1785 SCHEDULE 40 PVC PIPE WHERE COVER IS 12 INCHES OR GREATER.
 - USE ANSI CLASS 50 DUCTILE IRON PIPE WHERE COVER IS LESS THAN 12 INCHES.BEYOND 5' OF A BUILDING FOUNDATION:
 - USE ASTM D3034 SDR35 PVC PIPE WHERE COVER IS 24 INCHES OR GREATER.
 - USE ASTM 1785 SCHEDULE 40 PVC PIPE WHERE COVER IS 12 INCHES OR GREATER.
 - USE ANSI CLASS 50 DUCTILE IRON PIPE WHERE COVER IS LESS THAN 12 INCHES.
- STORM DRAIN AND SANITARY SEWER PIPE SIZE AND SLOPE:
 - ALL STORM DRAIN AND SANITARY SEWER PIPE SLOPES TO BE 0.01'/FT. MINIMUM UNLESS NOTED OTHERWISE.
 - ALL STORM DRAIN SIZING PER OPSC DESIGN METHOD UNLESS PIPE IS MARKED WITH A SLOPE LESS THAN 0.01'/FT.
 - PIPE SLOPES INDICATED ARE APPROXIMATE MINIMUM SLOPES BASED ON THE STATED INVERTS. INSTALL PIPES ACCORDING TO INVERTS NOTED ON PLAN AND IN STRUCTURE SCHEDULE.
 - UNLESS NOTED OTHERWISE ALL FITTINGS ARE TO BE CONCENTRIC. PIPE INVERT ELEVATIONS NOTED AT FITTINGS ARE CALCULATED FOR THE LARGEST DIAMETER PIPE CONNECTED TO THAT FITTING. TEES TO BE SANITARY TEE OR WYE WITH 1/8 TH BEND.
- CLEANOUTS ON SANITARY SEWER AND STORM DRAIN PIPING TO BE SPACED MAXIMUM OF 100 FEET APART. CLEANOUTS ARE REQUIRED FOR EACH AGGREGATE HORIZONTAL CHANGE IN DIRECTION EXCEEDING 135 DEGREES (OPSC 707).
- FOR 4" RISER PIPE, COVER ON SANITARY SEWER AND STORM DRAIN CLEANOUT TO BE TYPICALLY 18" TALL CAST IRON 910 VALVE BOX AND COVER. AT SHALLOW PIPE DEPTH, 10" CAST IRON 960 VALVE BOX AND COVER IS ACCEPTABLE. INSTALL FLUSH WITH FINISHED GRADE. SEE DETAIL 2 ON C-5.01. ALTERNATE CONCRETE BROOKS VALVE BOX IS ACCEPTABLE. FOR 6" RISER PIPE, USE 8" INSIDE DIAMETER EXTENSION AND 10"x12" CONCRETE BODY WITH CAST IRON RING AND CAST IRON TRAFFIC COVER, MODEL 3-RT AS MANUFACTURED BY BROOKS PRODUCTS, INC., OR APPROVED EQUAL. FOR SHALLOW PIPE DEPTH, USE 10"x12" CONCRETE BODY WITH CAST IRON RING AND CAST IRON TRAFFIC COVER, MODEL 3-RT AS MANUFACTURED BY BROOKS PRODUCTS, INC., OR APPROVED EQUAL.

KEYED UTILITY PLAN NOTES (#):

- GENERAL UTILITY NOTES SPECIFICALLY CALLED OUT ON PLAN ARE IN ADDITION TO ANY INCIDENTAL WORK NECESSARY TO PERFORM THE REQUIRED WORK. NOT ALL REQUIRED UTILITY WORK MAY HAVE BEEN IDENTIFIED. SEE ARCHITECTURAL, PLUMBING AND ELECTRICAL PLANS FOR ADDITIONAL UTILITY WORK.
- EXISTING UTILITIES ARE TO REMAIN FUNCTIONAL DURING ENTIRE PROJECT. LOCATIONS AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE AND BASED ON FIELD SURVEY, ARCHIVE PLANS AND AVAILABLE RECORDS. TAKE PRECAUTIONS TO LOCATE AND PROTECT UTILITIES AGAINST DAMAGE. IDENTIFY AND MARK LOCATION OF WATER SHUTOFF VALVES WITH OWNER PRIOR TO START OF EXCAVATION.
- IRRIGATION POINT OF CONNECTION. SEE LANDSCAPE & IRRIGATION PLANS FOR EXACT CONNECTION LOCATION AND DETAIL.
 - IRRIGATION MAIN AND CONTROLLER VALVES. SEE LANDSCAPE PLANS FOR SIZE, MATERIAL, QUANTITY AND OTHER DETAILS.
 - NEW ELECTRICAL AND/OR SECURITY CAMERA CONDUIT DESIGN IS BY OTHERS. SEE ELECTRICAL SITE PLAN FOR SIZE, MATERIAL, QUANTITY, AND OTHER DETAILS.
 - NEW UTILITY POLE FOR SITE LIGHTING AND SECURITY CAMERAS. ROUTE CONDUITS SO AS NOT TO CONFLICT WITH UTILITIES SHOWN ON THIS PLAN. SEE SITE ELECTRICAL PLAN FOR INSTALLATION.
 - IN-GROUND ELECTRICAL PULL BOX. SEE SITE ELECTRICAL PLAN FOR INSTALLATION.
 - ADJUST EXISTING PUBLIC SANITARY SEWER MANHOLE LID TO FINISH GRADE PER CITY OF SALEM STANDARD DRAWING NO. 104.
 - ADJUST EXISTING PUBLIC WATER MAIN VALVE LID TO FINISH GRADE PER CITY OF SALEM STANDARD DRAWING NOS. 401A AND 401C AS APPROPRIATE.
 - EXISTING IRRIGATION CONTROL VALVES, MAIN AND LATERAL LINES. EXISTING IRRIGATION METER AND BACKFLOW IS LOCATED AT SCHOOL MAIN ENTRANCE OFF DEERHAVEN ST. THERE IS NO CONNECTION TO PUBLIC WATERMAIN AT THIS LOCATION.



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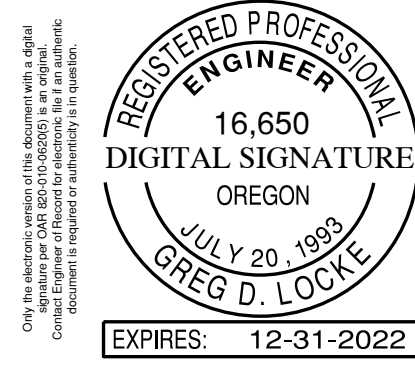
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HALLMAN ELEMENTARY SCHOOL

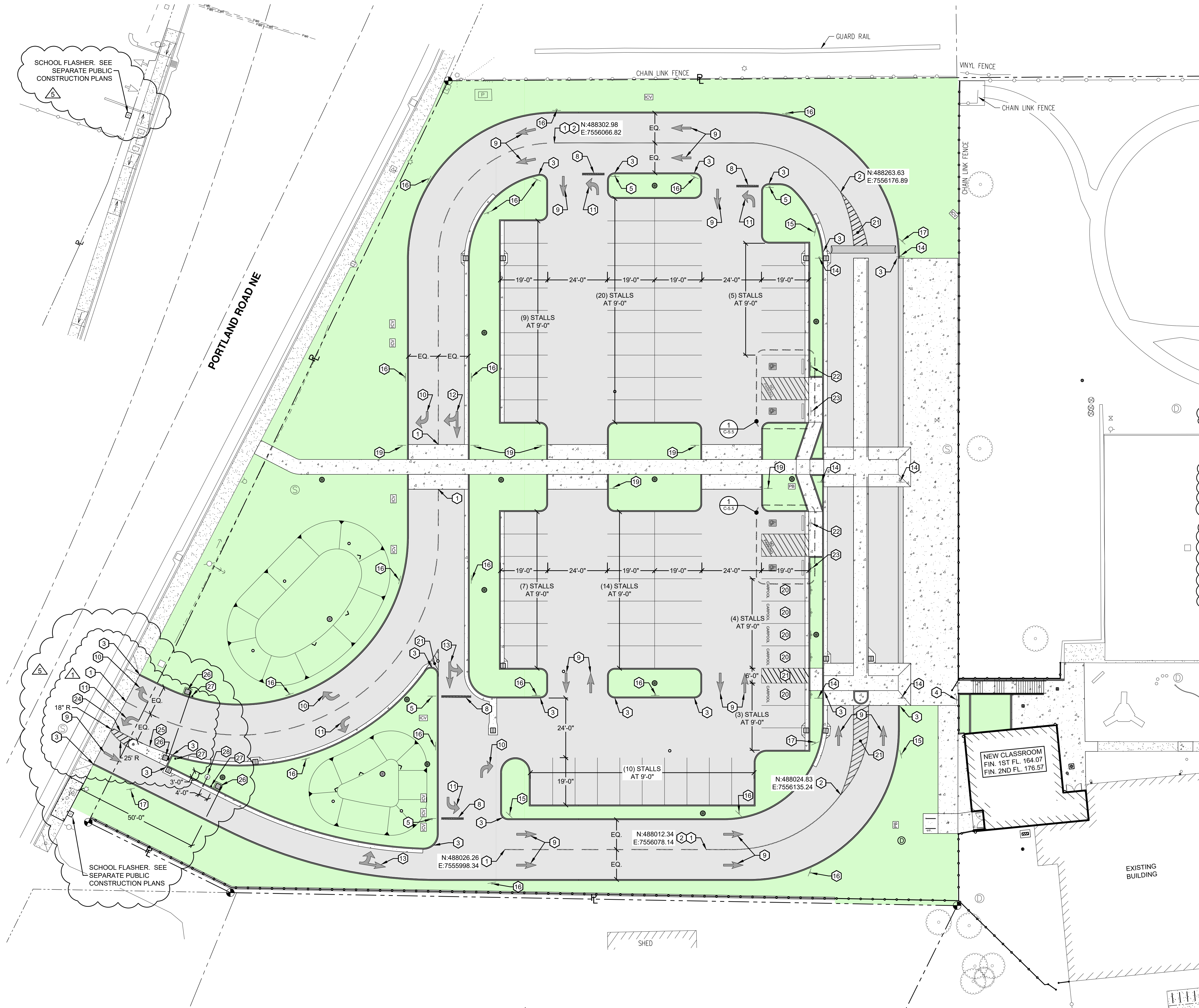
SALEM, OR
4000 DEERHAVEN DR. NE



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SCALE:	SEE SHEET

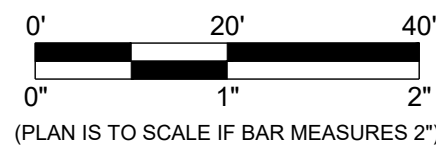
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OF	26

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SIGNAGE & STRIPING PLAN

1" = 20'-0"



(PLAN IS TO SCALE IF BAR MEASURES 2")

REV.	DATE	DESCRIPTION
1	03 DEC 2021	BUILDING CODE REVISIONS - 12.03.2021
6	01 FEB 2022	ADDENDUM #2: 02.01.2022

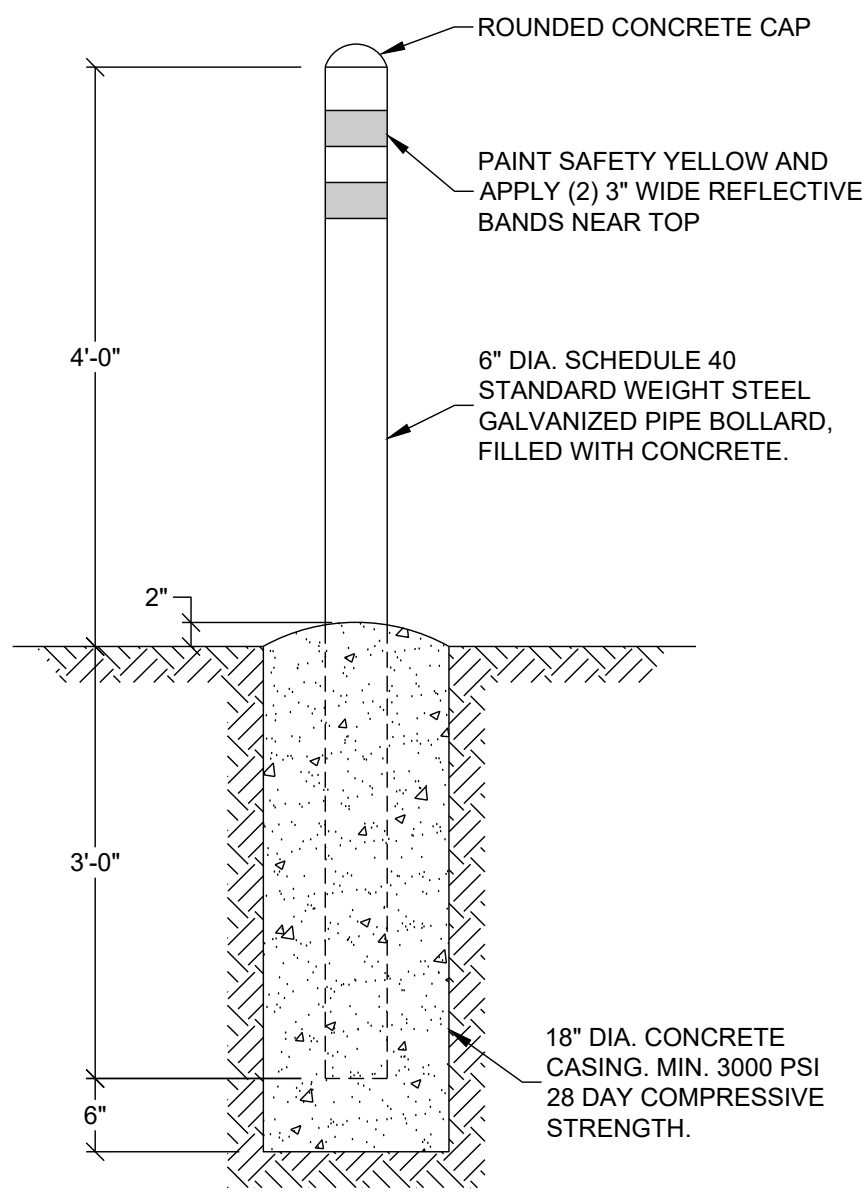
KEYED SIGNAGE & STRIPING PLAN NOTES (S):

GENERAL

NOTES SPECIFICALLY CALLED OUT ON PLAN ARE IN ADDITION TO ANY INCIDENTAL WORK NECESSARY TO PERFORM THE REQUIRED WORK. NOT ALL REQUIRED WORK MAY HAVE BEEN IDENTIFIED. ALL MATERIALS AND PREPARATION OF NEW AND EXISTING SURFACES TO RECEIVE PAINT SHALL BE ACCORDING TO SPECIFICATIONS. LOCATE ALL UTILITIES IN FIELD PRIOR TO INSTALLING SIGNS.

KEYED NOTED

- PAINT - START/STOP PROPOSED DRIVEWAY DASHED WHITE CENTER LINE STRIPE, 4" X 10' SEGMENTS AT 20' O.C.
- PAINT - START/STOP PROPOSED DRIVEWAY SOLID WHITE CENTER LINE STRIPE, 4" WIDE.
- PAINT - START / STOP YELLOW NO PARKING CURB PAINT ZONE. PAINT WITH YELLOW PAINT TOP AND FACE OF CURB. PREP CURB FOR PAINT PER SPECIFICATIONS.
- SIGN - "GATES LOCKED DURING SCHOOL HOURS. NO ACCESS TO SCHOOL." ENGLISH AND SPANISH PER SIGN TYPE 8 ON C-5.6. MOUNT ON FENCE.
- SIGN - "STOP" PER SIGN TYPE 1 ON C-5.6. MOUNT ON SIGNPOST PER DETAIL 9 ON C-5.5.
- SIGN - "RIGHT TURN ONLY" PER SIGN TYPE 11 ON C-5.6. MOUNT ON SIGNPOST PER DETAIL 9 ON C-5.5.
- SIGN - "DO NOT ENTER" PER DETAIL SIGN TYPE 2 ON C-5.6. MOUNT ON SIGNPOST PER DETAIL 9 ON C-5.5.
- PAINT - STOP BAR - 12" X 10", WHITE.
- PAINT - DIRECTIONAL ARROW - STRAIGHT "SA" PER DETAIL 7 ON C-5.5.
- PAINT - DIRECTIONAL ARROW - RIGHT TURN "RA" PER DETAIL 7 ON C-5.5.
- PAINT - DIRECTIONAL ARROW - LEFT TURN "LA" PER DETAIL 7 ON C-5.5.
- PAINT - DIRECTIONAL ARROW - RIGHT TURN STRAIGHT "RSA" PER DETAIL 7 ON C-5.5.
- PAINT - DIRECTIONAL ARROW - LEFT TURN STRAIGHT "LSA" PER DETAIL 7 ON C-5.5.
- SIGN - "DROP-OFF/PICK-UP" PER SIGN TYPE 4 ON C-5.6. MOUNT ON SIGNPOST PER DETAIL 9 ON C-5.5.
- SIGN - "NO PARKING" WITH ARROW POINTING RIGHT PER SIGN TYPE 5 ON C-5.6. MOUNT ON SIGNPOST PER DETAIL 9 ON C-5.5.
- SIGN - "NO PARKING" WITH ARROW POINTING BOTH WAYS PER SIGN TYPE 6 ON C-5.6. MOUNT ON SIGNPOST PER DETAIL 9 ON C-5.5.
- SIGN - "NO PARKING" WITH ARROW POINTING LEFT PER SIGN TYPE 7 ON C-5.6. MOUNT ON SIGNPOST PER DETAIL 9 ON C-5.5.
- SIGN - "STOP HERE" PER SIGN TYPE 9 ON C-5.6. MOUNT ON SIGNPOST PER DETAIL 9 ON C-5.5.
- SIGN - "PEDESTRIAN CROSSING WITH ARROW" PER SIGN TYPE 10 ON C-5.6. MOUNT ON SIGNPOST PER DETAIL 9 ON C-5.5.
- DESIGNATED CARPOOL / VANPOOL SPACES. SIGN - "CARPOOL PARKING ONLY" PER SIGN TYPE 14 ON C-5.6. MOUNT ON SIGNPOST PER DETAIL 9 ON C-5.5. PAINT - "CARPOOL" PER DETAIL 2 ON C-5.5.
- PAINT - SOLID WHITE LINES, 4" WIDE, BOUNDARY LINES WITH STRIPES ANGLED 36 DEG. SPACED 2' O.C.
- "RESERVED PARKING" AND "VAN ACCESSIBLE" SIGNS PER DETAIL 4 ON C-5.5. MOUNT ON SIGNPOST PER DETAIL 9 ON C-5.5.
- "RESERVED PARKING" SIGN PER DETAIL 4 ON C-5.5. MOUNT ON SIGNPOST PER DETAIL 9 ON C-5.5.
- PAINT - SOLID YELLOW LINES, 4" WIDE, BOUNDARY LINES WITH STRIPES ANGLED 36 DEG. SPACED 2' O.C.
- CONSTRUCT TRAFFIC ISLAND SIMILAR TO CITY OF SALEM STANDARD DRAWING NO. 320. PROVIDE SOLID CONCRETE CONSTRUCTION WITH MODIFIED NOSE ANCHORED TO ASPHALT, DELINEATOR POST AND REFLECTORIZED YELLOW PAINT WITH BEAD BINDER PAINT AND GLASS BEADS ON TOP AND FACE AS INDICATED.
- TRAFFIC BARRIER GATE WITH 14' ARM. MOUNT ACCORDING TO MANUFACTURER'S REQUIREMENTS TO MINIMUM 36" SQR. X 12" THICK PAD WITH (4) #4 REBAR EACH WAY, TOP AND BOTTOM. SEE ELECTRICAL PLANS FOR POWER, CONTROLLER, SENSOR LOOPS AND OTHER RELATED ELECTRONICS.
- 6" DIA. STEEL PIPE BOLLARD PER DETAIL 1 ON C-1.5.
- CAST 12" DIA. X 24" MIN. DEEP CONCRETE BASE FOR GATE ACCESS CONTROL EQUIPMENT. 12" MIN. EMBED REQUIRED BELOW FINISH GRADE. PROVIDE ANCHOR BOLTS IN QUANTITY, SIZE AND SPACING AS REQUIRED BY EQUIPMENT BASE. MIN. ANCHOR EMBED TO BE 7". SEE ELECTRICAL PLANS FOR ALL RELATED ELECTRONICS AND WIRING.



1 TYPICAL BOLLARD
C-1.5 3/4" = 1'-0"



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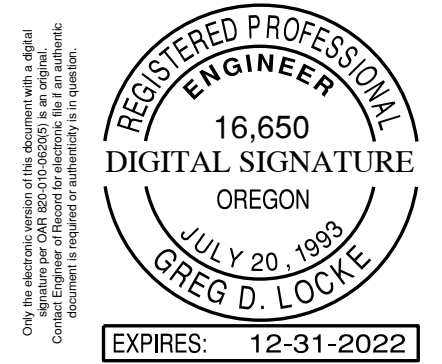
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
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ELEMENTARY SCHOOL

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SALEM, OR



DRAWN BY:	SC
CHECKED BY:	GL
DATE:	10/1/2021
TITLE:	SIGNAGE & STRIPING PLAN
SCALE:	SEE SHEET


SHEET NO:	C-1.5
OF	26

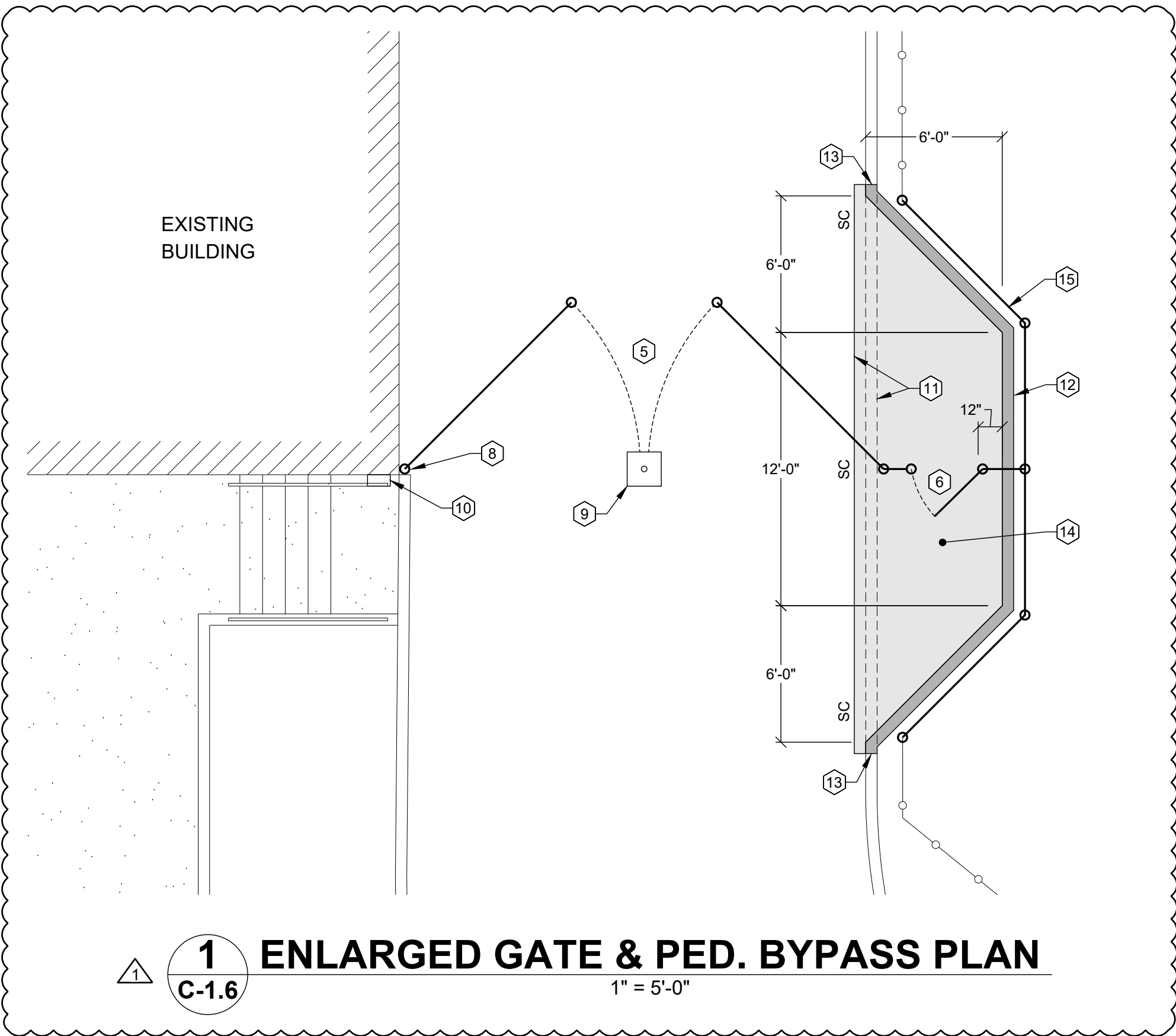
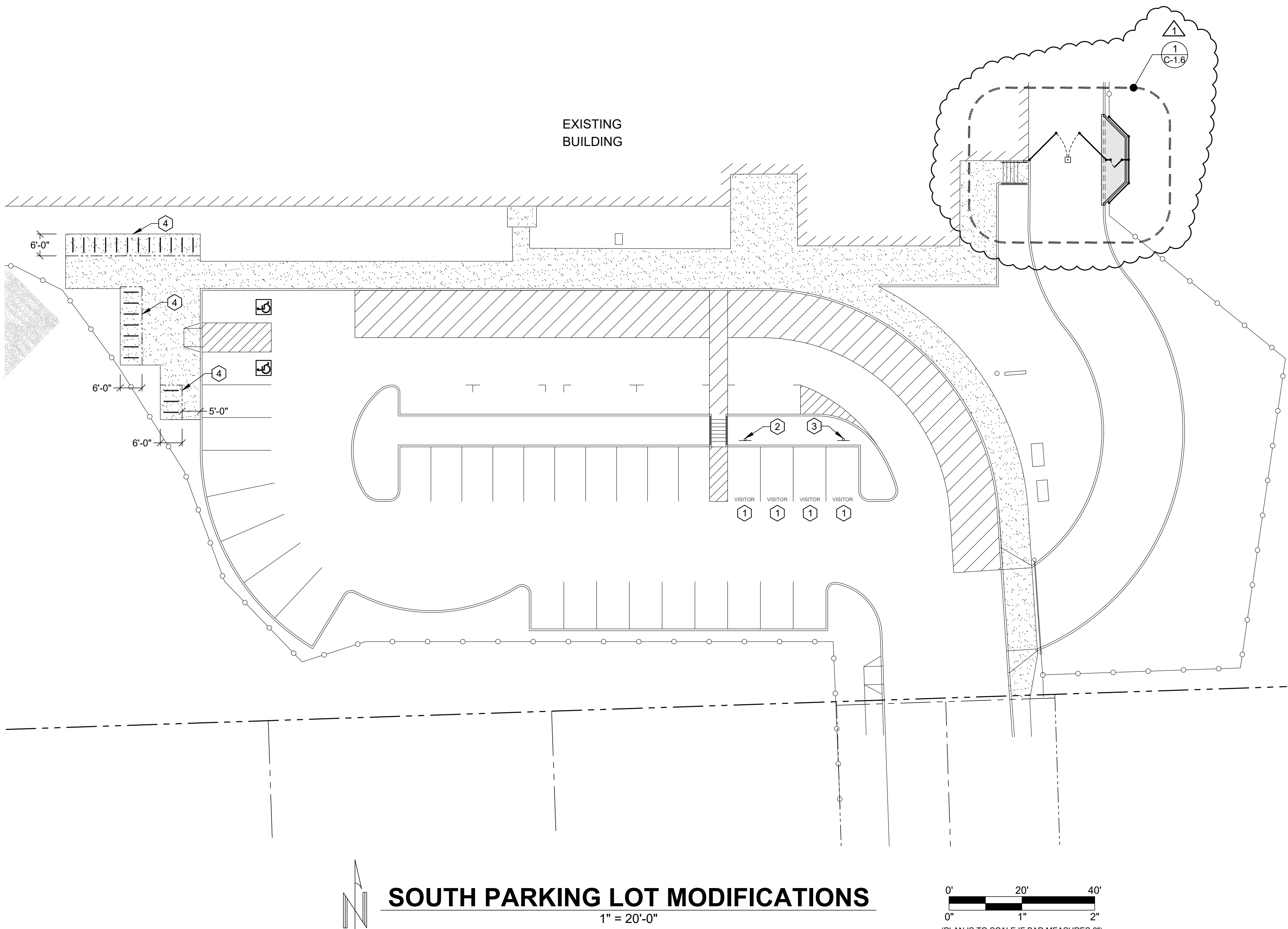
REV.	DATE	DESCRIPTION
	03 DEC 2021	BUILDING CODE REVISIONS - 12.03.2021

KEYED SOUTH PARKING LOT NOTES  :

GENERAL
SITE PLAN NOTES SPECIFICALLY CALLED OUT ON PLAN ARE IN ADDITION TO ANY INCIDENTAL WORK NECESSARY TO PERFORM THE REQUIRED WORK. NOT ALL REQUIRED WORK MAY HAVE BEEN IDENTIFIED.

1. PAINT - "VISITOR" IN STALL PER DETAIL 2 ON C-5.5.
2. SIGN - "VISITOR ONLY (RIGHT)" PER SIGN TYPE 15 ON C-5.6. MOUNT ON SIGNPOST PER DETAIL 9 ON C-5.5.
3. SIGN - "VISITOR ONLY (LEFT)" PER SIGN TYPE 16 ON C-5.6. MOUNT ON SIGNPOST PER DETAIL 9 ON C-5.5.
4. REPLACE EXISTING BICYCLE RACKS WITH (22) BLACK POWDER-COATED INVERTED-LOOP RACKS AT 36" O.C. INDIVIDUALLY MOUNTED OR ATTACHED ON RAILS MOUNTED TO EXISTING CONCRETE SLAB WITH EXPANSION ANCHORS PER MANUFACTURER'S REQUIREMENTS. CENTER OF RACKS TO BE POSITIONED 3' OFF EDGE OF CONCRETE. PROVIDE 2' MINIMUM CLEAR FROM EDGE OF SLAB TO END RACK.
5. INSTALL PAIR OF 10' CHAINLINK FENCE GATES. PROVIDE DROP ROD AND LOCKING MECHANISM.
6. INSTALL 3' CHAINLINK PERSONNEL GATE. SEE ARCHITECTURAL AND ELECTRICAL PLANS FOR HARDWARE AND SECURITY FEATURES. GATE SHALL BE DESIGNED TO ACCEPT THE SPECIFIED HARDWARE AND PREVENT REACH-THROUGH AND WIRE LOOPING AROUND HANDLE LEVER. INTERIOR HANDLE SHOULD BE SET INTO A STEEL BOX WITH 3 1/2" HORIZONTAL LEGS TO PROTECT THE HANDLE.
7. REMOVE AND REPLACE CURB AS NEEDED FOR INSTALLATION OF GATE POST. MATCH CURB HEIGHT AND TYPE. PAINT RED TO MATCH.
8. BIDDER DESIGNED WALL MOUNTED HINGE BRACKET. ANCHOR INTO EXISTING CONCRETE MASONARY BLOCK WALL WITH EPOXY ANCHORS.
9. 18" SQR. X 6" CONCRETE DROP ROD ANCHOR PAD.
10. PROVIDE KNOX BOX MEETING FIRE DEPARTMENT SPECIFICATIONS. MOUNT ON CONCRETE MASONRY BLOCK WALL.

-  11. SAWCUT AND REMOVE EXISTING CONCRETE CURB. JUST PRIOR TO PLACING NEW ASPHALT IN PEDESTRIAN BYPASS, SAWCUT EDGE OF PAVEMENT TO FORM A CLEAN LINE TO PAVE AGAINST.
12. INSTALL TYPE "C" CURB PER DETAIL 4 ON C-5.3.
13. CONNECT NEW CURB TO EXISTING WITH #4 X 24" DOWEL EMBEDDED INTO EXISTING CURB 6" WITH EPOXY.
14. EXCAVATE TO SUBGRADE AND INSTALL 2 1/2" ASPHALT OVER 8" COMPACTED CRUSHED ROCK. SLOPE TOWARD EXISTING ROAD AT 2% MAX.
15. REALIGN FENCE WITH NEW 6' CHAINLINK FENCE AND POSTS AT 10' O.C. MAX. SEE SPECIFICATIONS FOR MATERIAL AND INSTALLATION REQUIREMENTS.



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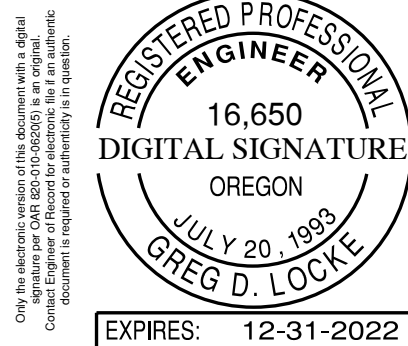
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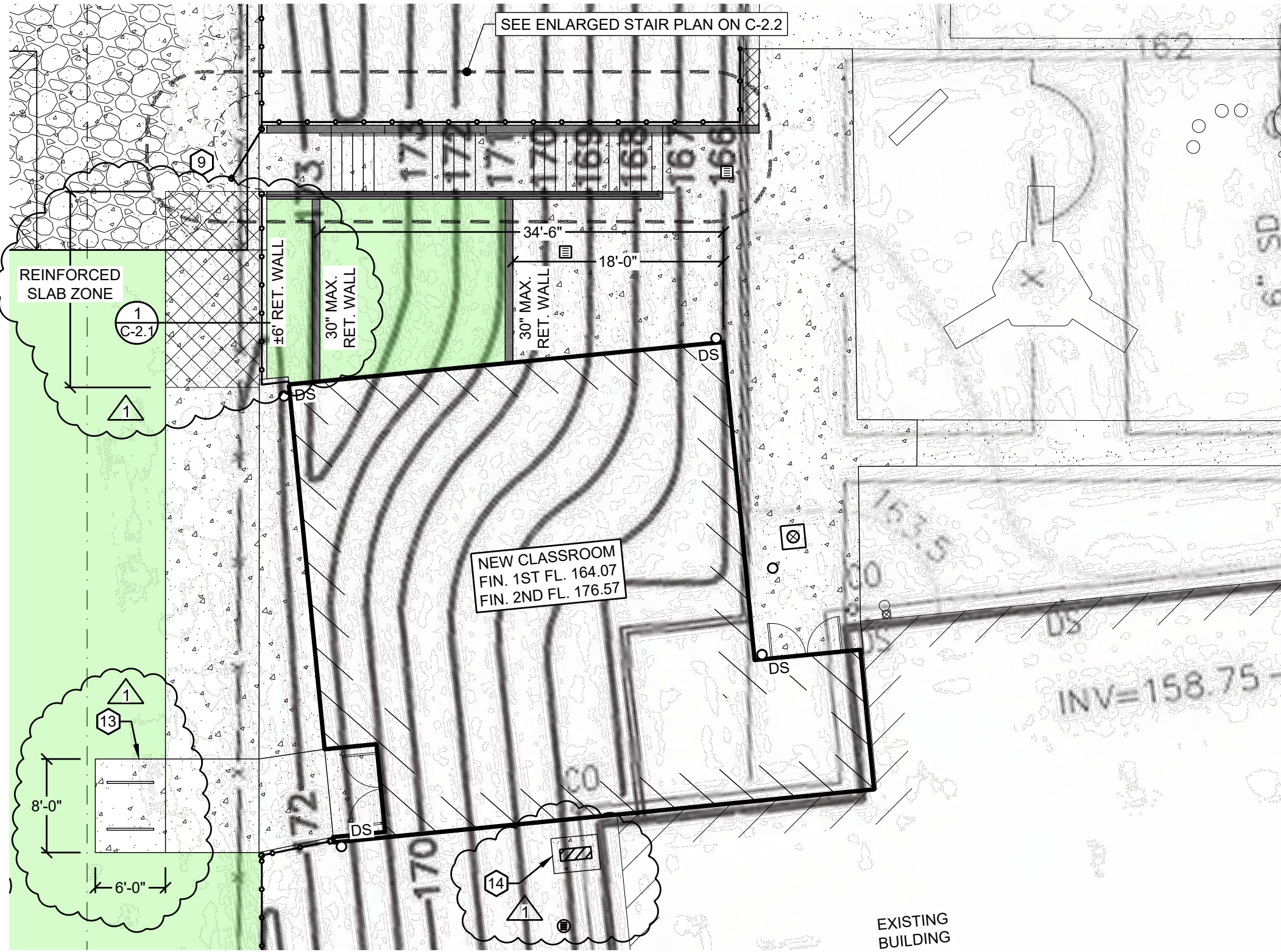
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4000 DEERHAVEN DR. NE
SALEM, OR



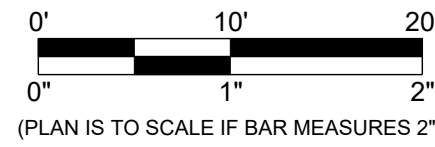
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CHECKED BY:	GL
DATE:	10/1/2021
TITLE:	SOUTH PARKING LOT MODIFICATIONS
SCALE:	SEE SHEET

SHEET NO:	C-1.6
OF	26

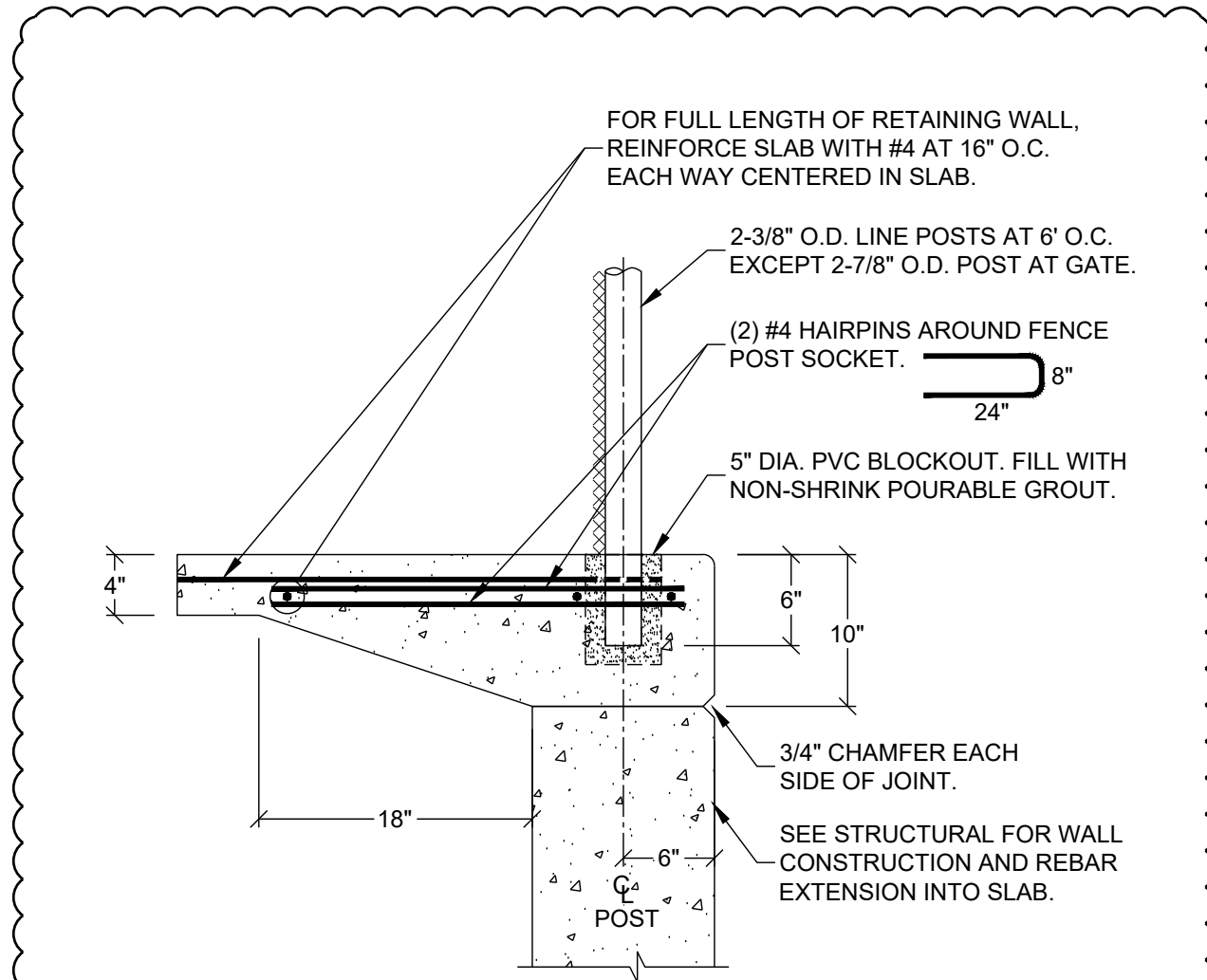


ENLARGED CIVIL SITE PLAN

1" = 10'-0"

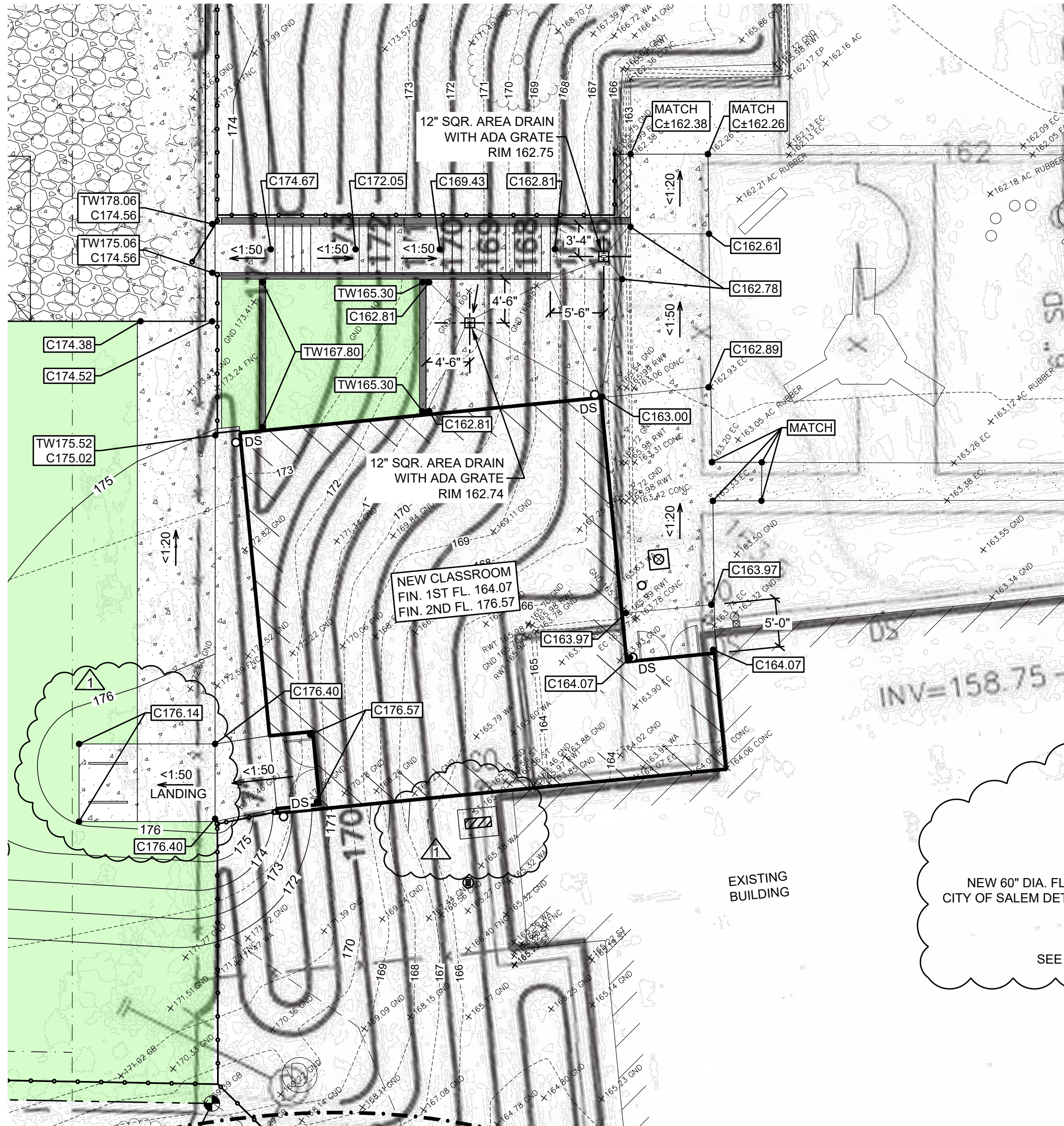


(PLAN IS TO SCALE IF BAR MEASURES 2")



FENCE & SLAB EDGE AT RETAINING WALL

1" = 1'-0"

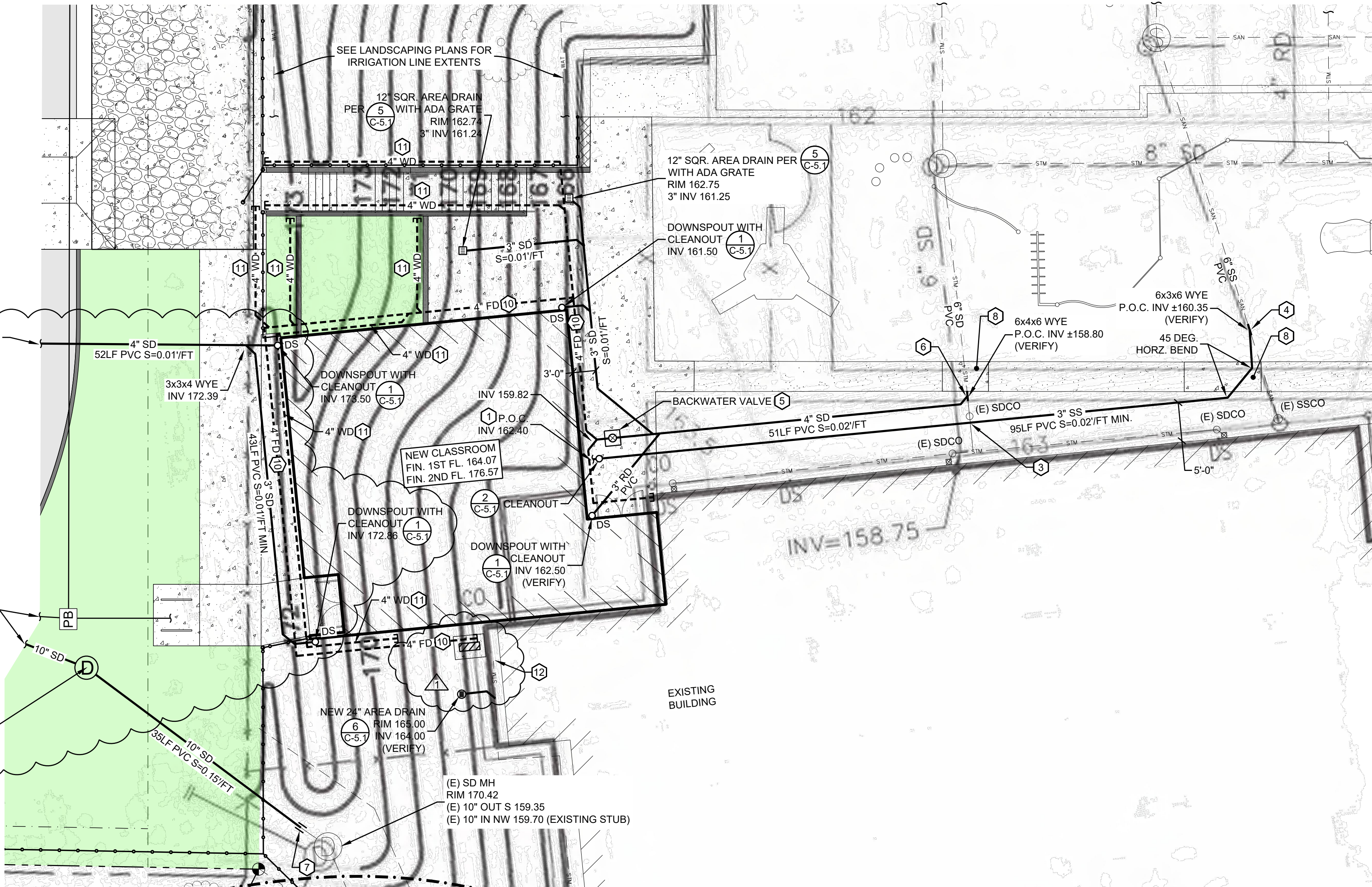


ENLARGED GRADING PLAN

1" = 10'-0"

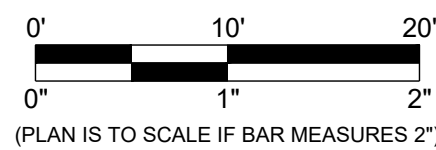


(PLAN IS TO SCALE IF BAR MEASURES 2")



ENLARGED UTILITY PLAN

1" = 10'-0"



(PLAN IS TO SCALE IF BAR MEASURES 2")

REV.	DATE	DESCRIPTION
1	03 DEC 2021	BUILDING CODE REVISIONS - 12.03.2021
3	24 DEC 2021	ADDITIONAL COORDINATION ITEMS - 12.24.2021

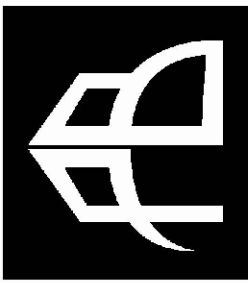
KEYED ENLARGED PLAN NOTES:

GENERAL

PLAN NOTES SPECIFICALLY CALLED OUT ON PLAN ARE IN ADDITION TO ANY INCIDENTAL WORK NECESSARY TO PERFORM THE REQUIRED WORK. NOT ALL REQUIRED WORK MAY HAVE BEEN IDENTIFIED. SEE ARCHITECTURAL, PLUMBING AND ELECTRICAL PLANS FOR ADDITIONAL SITE WORK REQUIREMENTS.

EXISTING UTILITIES ARE TO REMAIN FUNCTIONAL DURING ENTIRE PROJECT. LOCATIONS AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE AND BASED ON FIELD SURVEY, ARCHIVE PLANS AND AVAILABLE RECORDS. TAKE PRECAUTIONS TO LOCATE AND PROTECT UTILITIES AGAINST DAMAGE. IDENTIFY AND MARK LOCATION OF WATER SHUTOFF VALVES WITH OWNER PRIOR TO START OF EXCAVATION.

- SANITARY SEWER POINT OF CONNECTION. SEE PLUMBING PLANS FOR CONNECTION AND CONTINUATION INSIDE BUILDING. VERIFY INVERT WITH PLUMBING PLANS.
- FOOTING DRAIN POINT OF CONNECTION. SEE FOUNDATION PLAN FOR PERIMETER FOOTING AND WALL DRAIN SIZE AND LOCATION. SET INVERT 12" MINIMUM BELOW BOTTOM OF FOOTING.
- PRIOR TO START OF SAN. SEWER SERVICE INSTALLATION, POTHOLE EXISTING STORM DRAIN TO VERIFY DEPTH AND CLEARANCE WITH PROPOSED SAN. SEWER PIPE. ADJUST DEPTH FOR 6" CLEARANCE WHILE MAINTAINING MINIMUM PIPE SLOPE.
- PRIOR TO START OF SAN. SEWER SERVICE INSTALLATION, POTHOLE EXISTING PIPE TO VERIFY DEPTH. NOTIFY ENGINEER IF SIGNIFICANTLY DIFFERENT THAN EXPECTED OR NEW SERVICE CANNOT BE INSTALLED AT STATED SLOPE.
- 4" PVC BACKWATER VALVE WITH EXTENDABLE HANDLE AND REMOVABLE FLAPPER SERVICEABLE FROM GROUND SURFACE. PROVIDE CAST IRON VALVE BOX AND COVER FLUSH WITH GROUND SURFACE SIMILAR TO DETAIL 2 ON C-5.1.
- PRIOR TO START OF FOOTING AND RAIN DRAIN INSTALLATION, POTHOLE EXISTING PIPE TO VERIFY DEPTH. NOTIFY ENGINEER IF SIGNIFICANTLY DIFFERENT THAN EXPECTED OR NEW SERVICE CANNOT BE INSTALLED AT STATED SLOPE.
- REMOVE EXISTING PIPE BACK TO 24" FROM FACE OF MANHOLE. CONNECT NEW SD PIPE TO EXISTING STUB WITH FLEXIBLE COUPLER.
- NEW 4" CONCRETE SIDEWALK OVER 4" MIN. COMPACTED SUBBASE COURSE.
- NEW 5" CHAINLINK SWING GATE. SEE ARCHITECTURAL AND ELECTRICAL PLANS FOR HARDWARE AND SECURITY FEATURES. GATE SHALL BE DESIGNED TO ACCEPT THE SPECIFIED HARDWARE AND PREVENT REACH-THROUGH AND WIRE LOOPING AROUND PANIC BAR. PANICS SHOULD BE SET INTO A 10" TALL C-CHANNEL WITH 3 1/2" HORIZONTAL LEGS TO PROTECT THE PANIC PUSH BAR.
- 4" PERFORATED SCH 40 PVC FOOTING DRAIN LAID AT 0.005'/FT MIN.
- 4" PERFORATED SCH 40 PVC WALL DRAIN LAID ON TOP OF FOOTING. SEE STRUCTURAL PLANS. WYE INTO FOOTING DRAIN WHERE RETAINING WALL ENDS.
- AFTER EXISTING DOWNSPOUT IS REMOVED, CONNECT NEW AREA DRAIN TO EXISTING STORM DRAIN.
- INSTALL (2) BLACK POWDER-COATED INVERTED-LOOP BICYCLE RACKS AT 36" O.C. INDIVIDUALLY MOUNT TO CONCRETE SLAB WITH EXPANSION ANCHORS PER MANUFACTURER'S REQUIREMENTS. CENTER RACKS ON CONCRETE PAD.
- 30"x48"x6" CONCRETE PAD FOR MECHANICAL EQUIPMENT. REINFORCE WITH #4 REBAR AT 16" O.C. EACH WAY CENTERED IN SLAB. SEE MECHANICAL PLANS FOR EXACT LOCATION AND ANCHORAGE OF UNIT.



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Dallas, Oregon 97338
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J.O. 17061-S

PERMIT SET

A NEW PROJECT FOR SALEM-KEIZER SCHOOL DISTRICT @


HALLMAN
ELEMENTARY SCHOOL

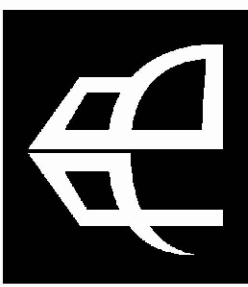
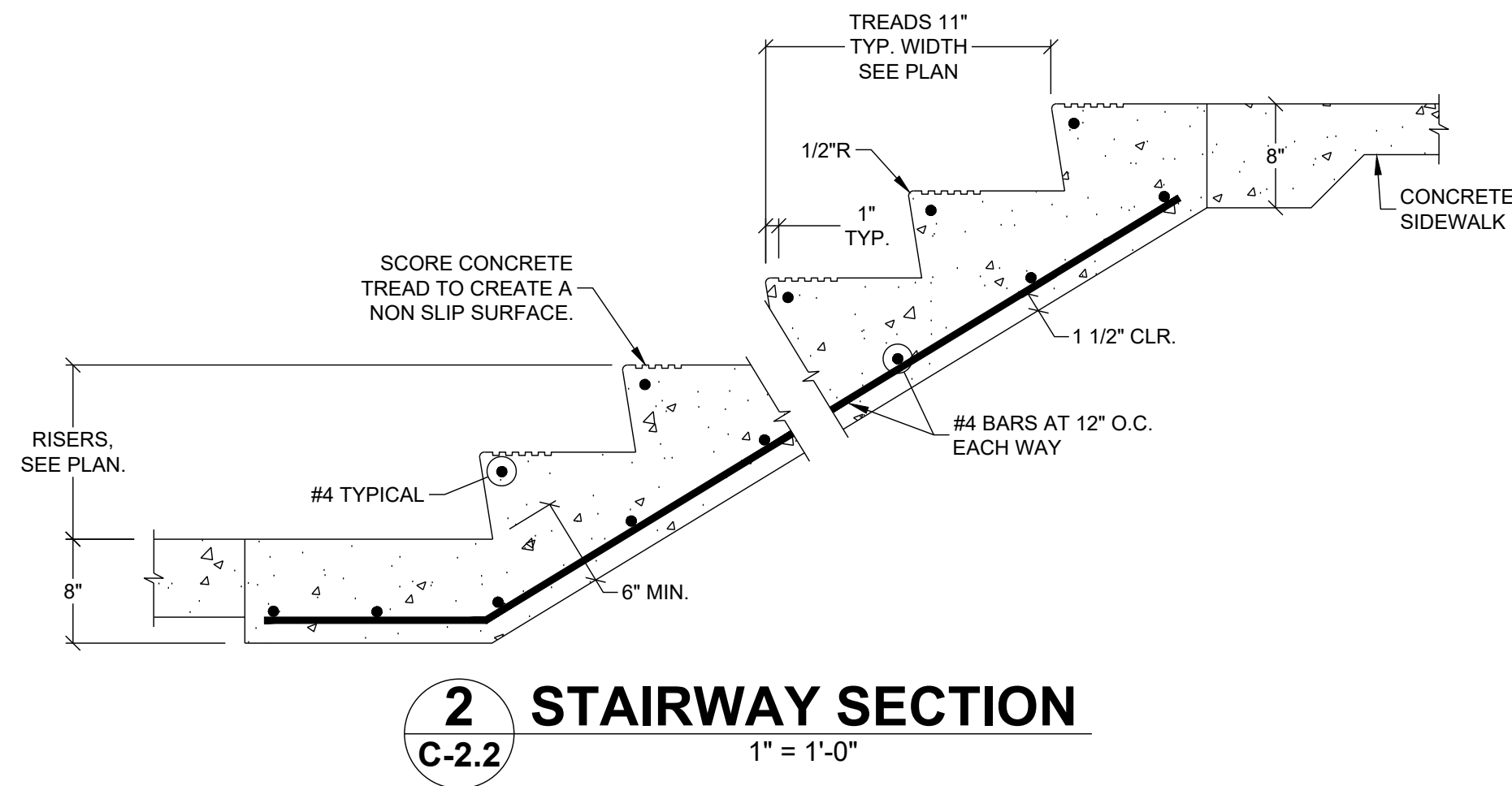
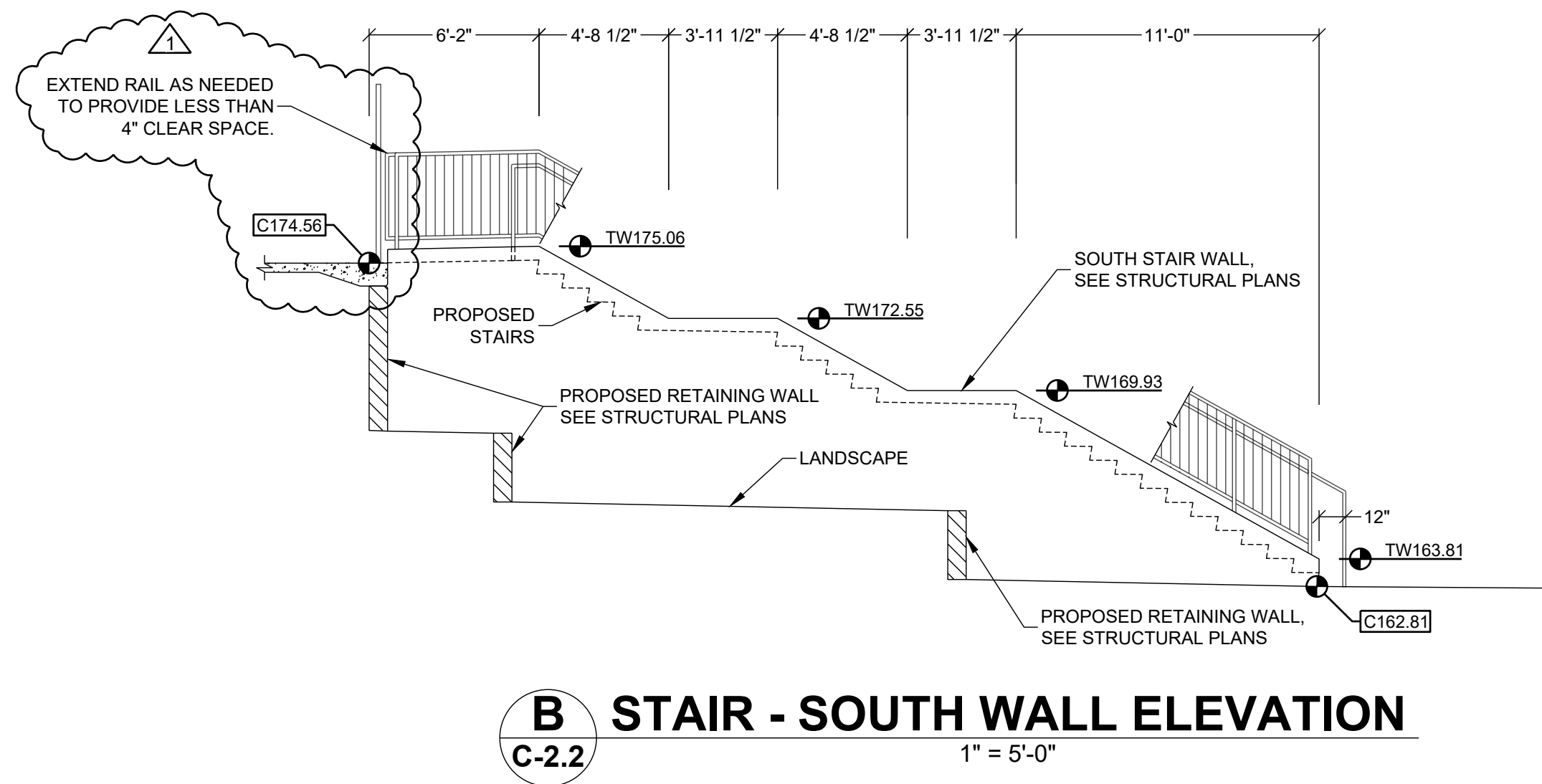
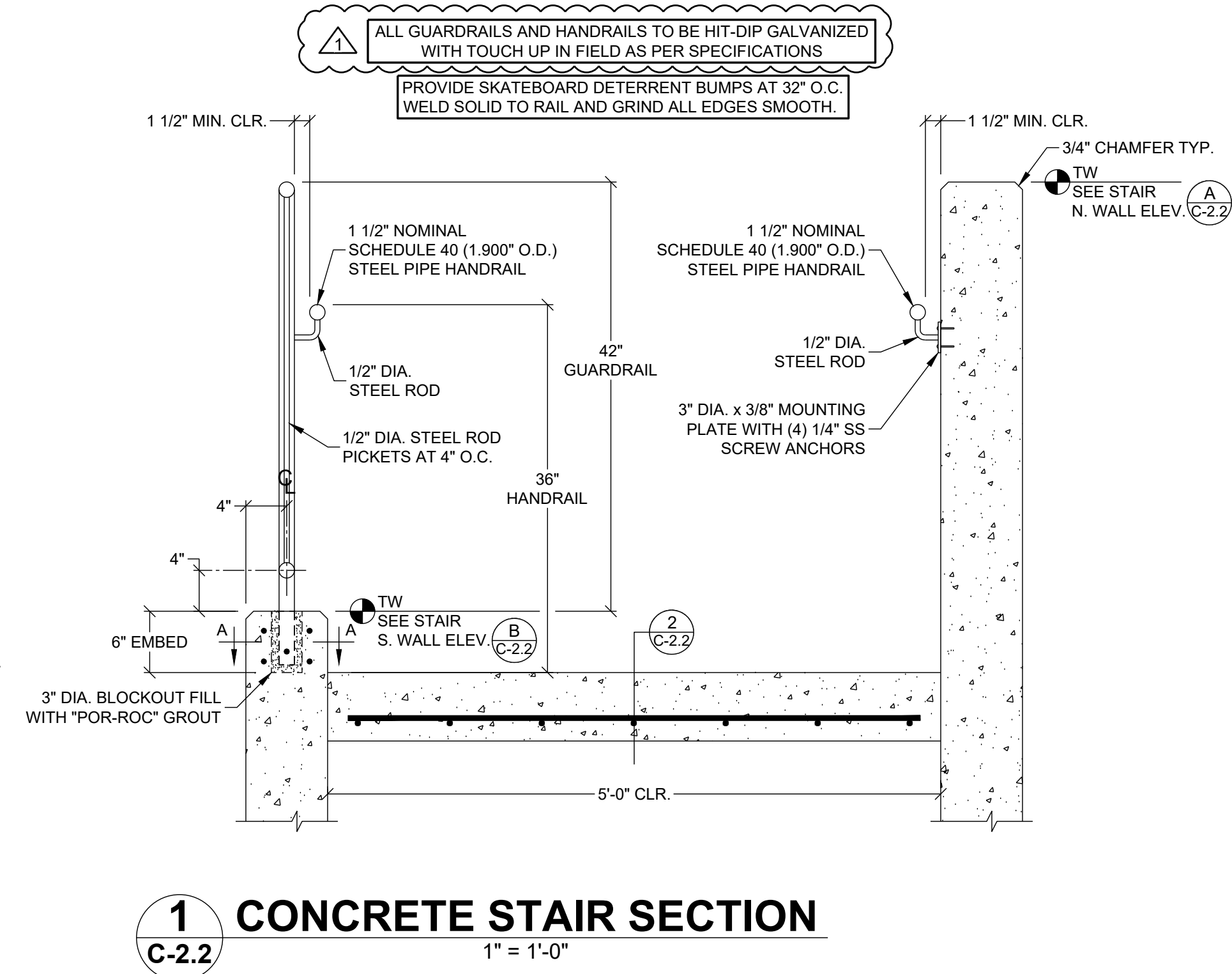
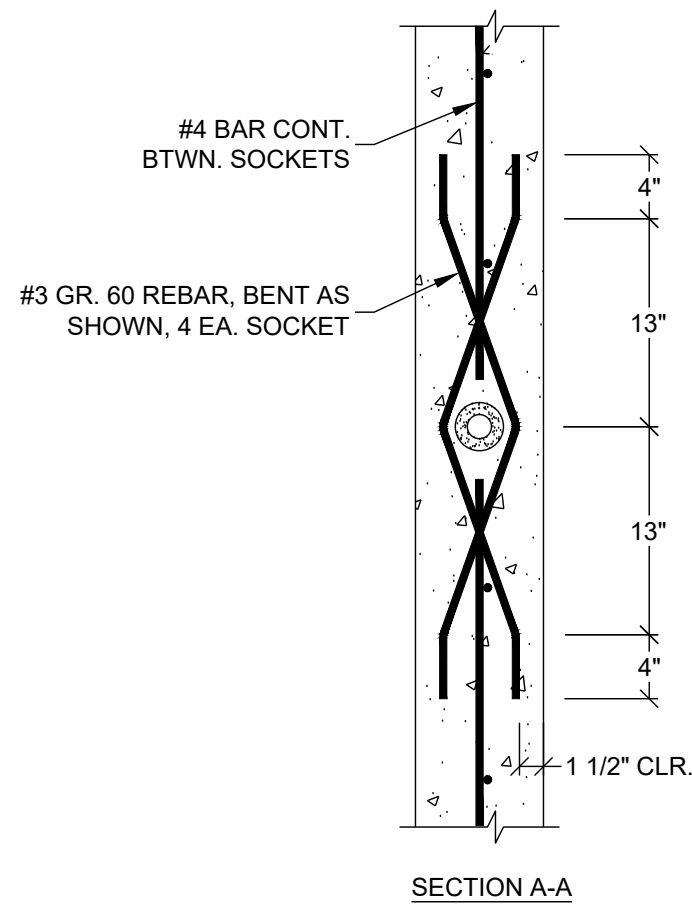
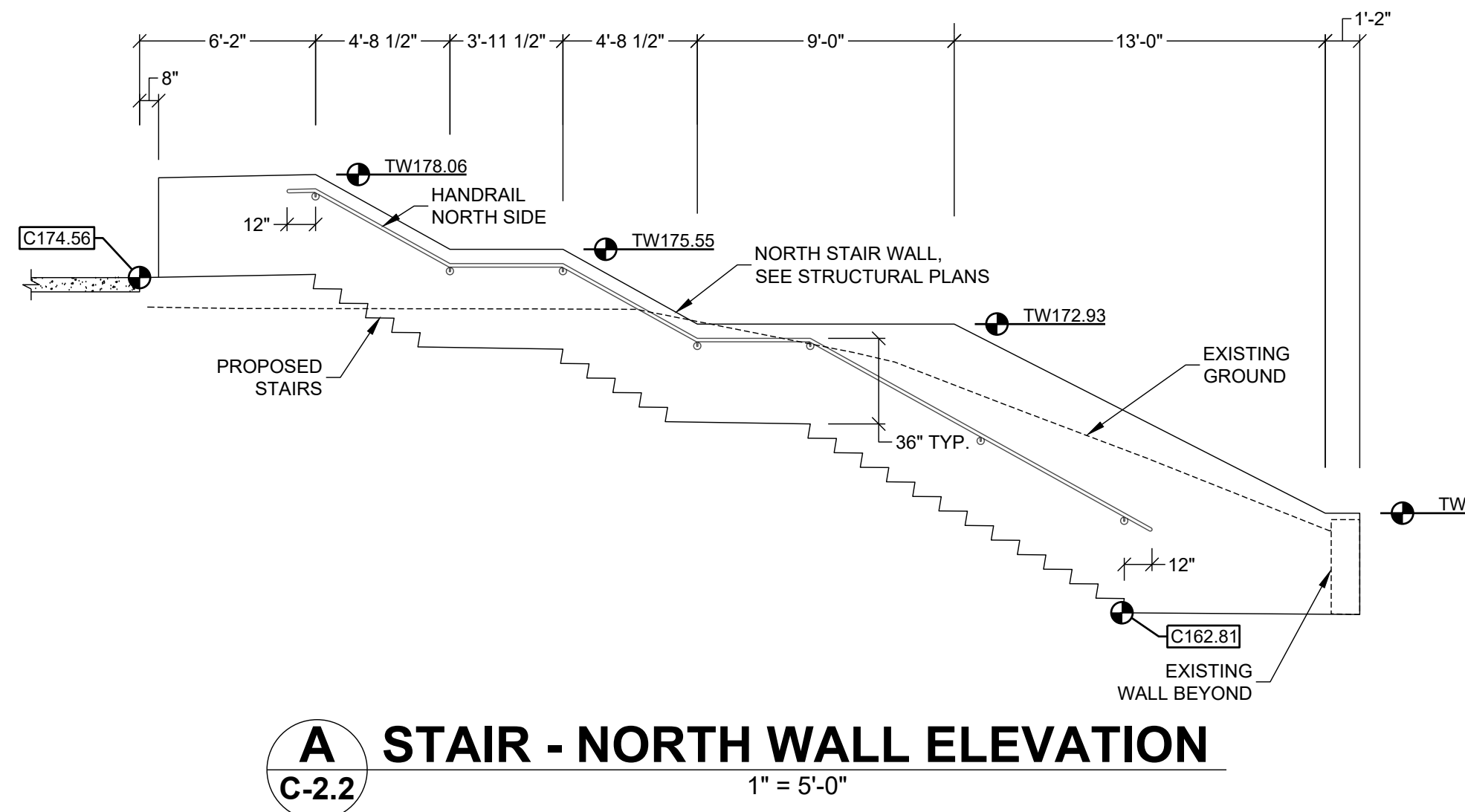
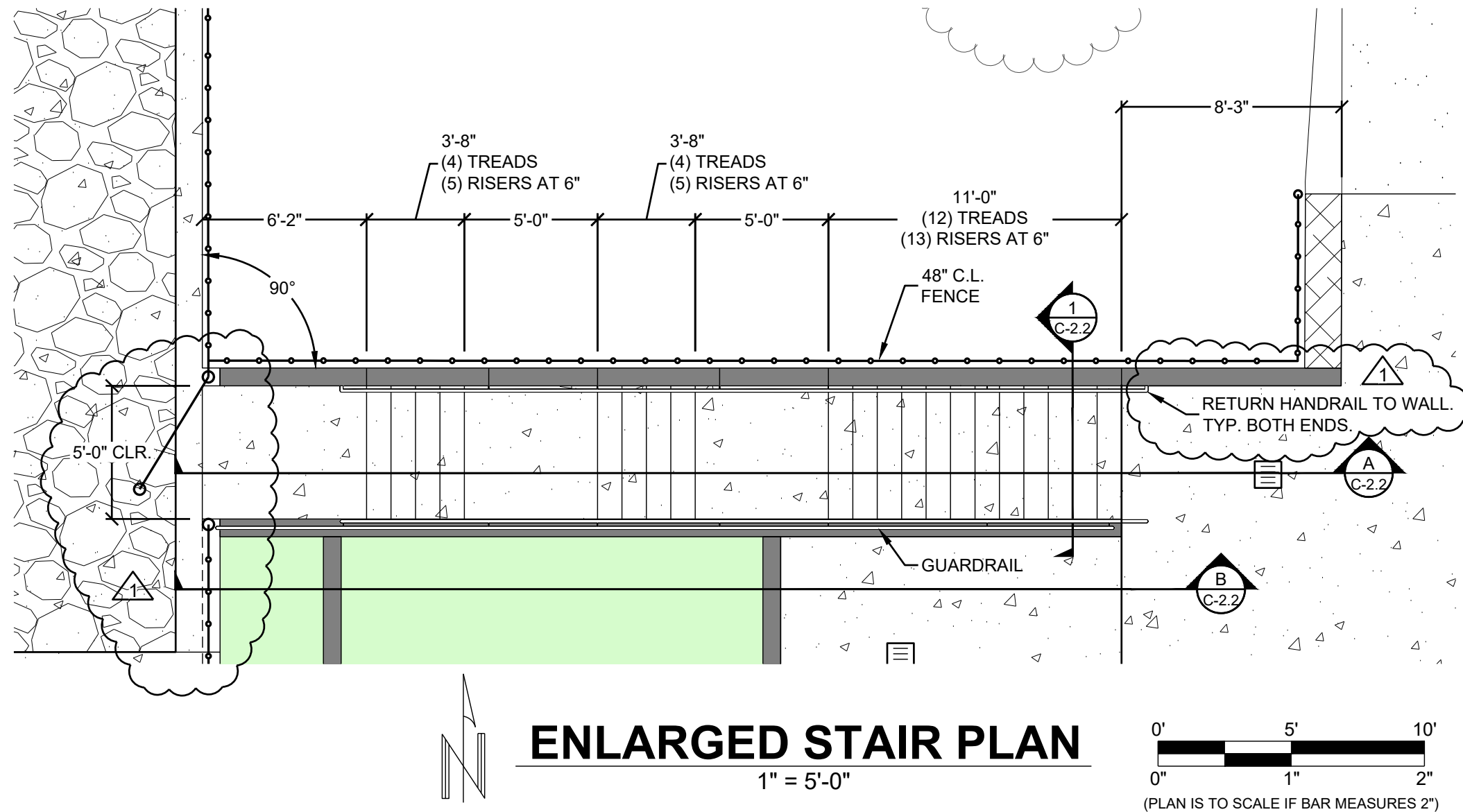
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CHECKED BY:	GL
DATE:	10/1/2021
TITLE:	ENLARGED PLANS
SCALE:	SEE SHEET

SHEET NO:	C-2.1
OF	26

REV.	DATE	DESCRIPTION
	03 DEC 2021	BUILDING CODE REVISIONS - 12.03.2021



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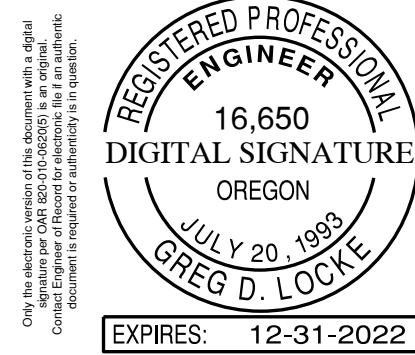
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Dallas, Oregon 97338
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A NEW PROJECT FOR SALEM-KEIZER SCHOOL DISTRICT @

HALLMAN
ELEMENTARY SCHOOL

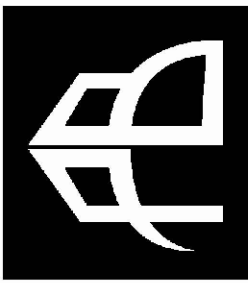
4000 DEERHAVEN DR. NE
SALEM, OR



DRAWN BY:	SC
CHECKED BY:	GL
DATE:	10/1/2021
TITLE:	ENLARGED STAIR PLAN & ELEVATIONS
SCALE:	SEE SHEET

SHEET NO:
C-2.2
OF 26

REV.	DATE	DESCRIPTION
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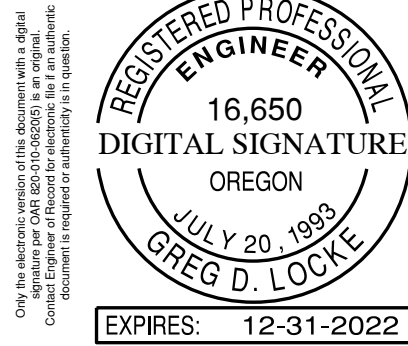
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A NEW PROJECT FOR SALEM-KEIZER SCHOOL DISTRICT @

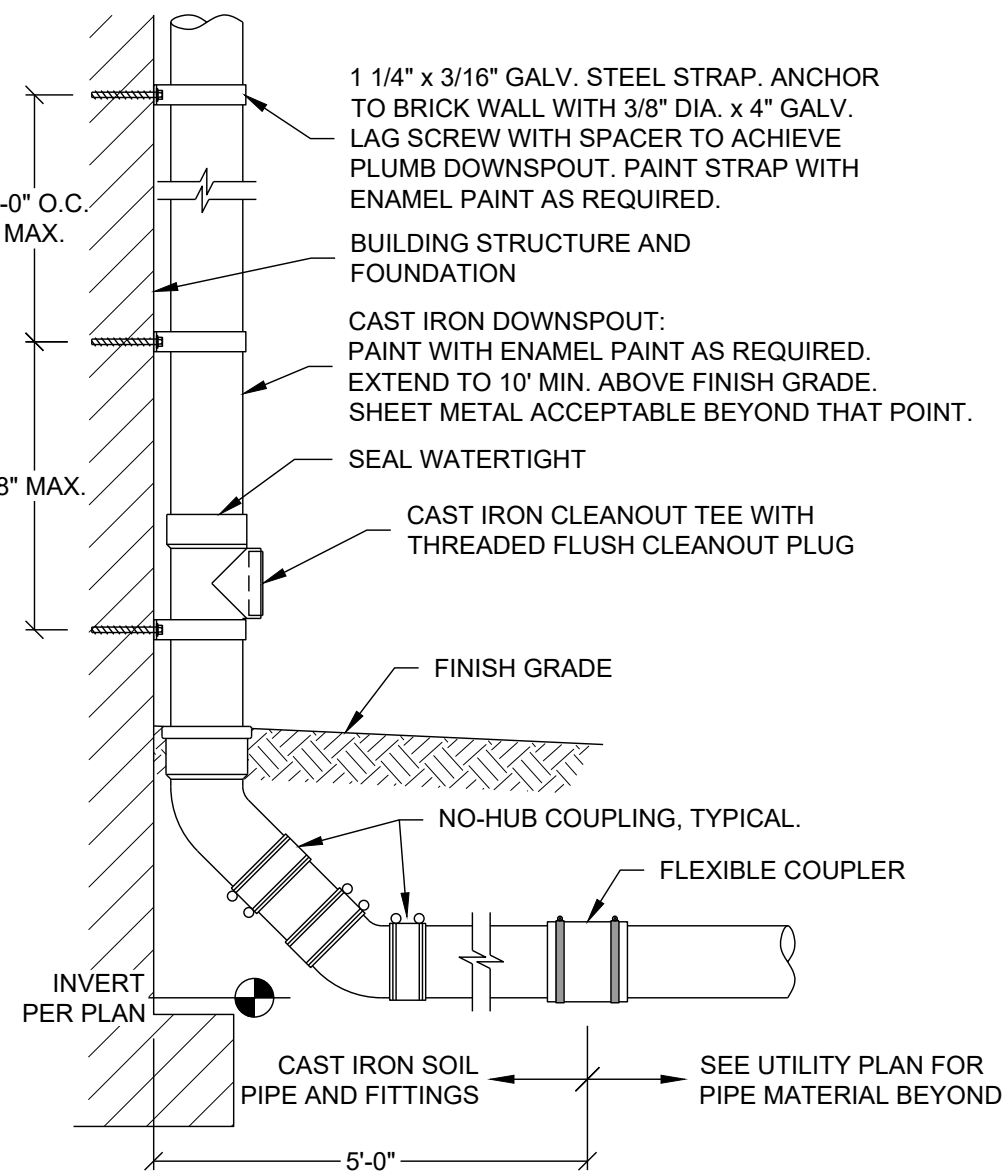
HALLMAN
ELEMENTARY SCHOOL

SALEM, OR
4000 DEERHAVEN DR. NE



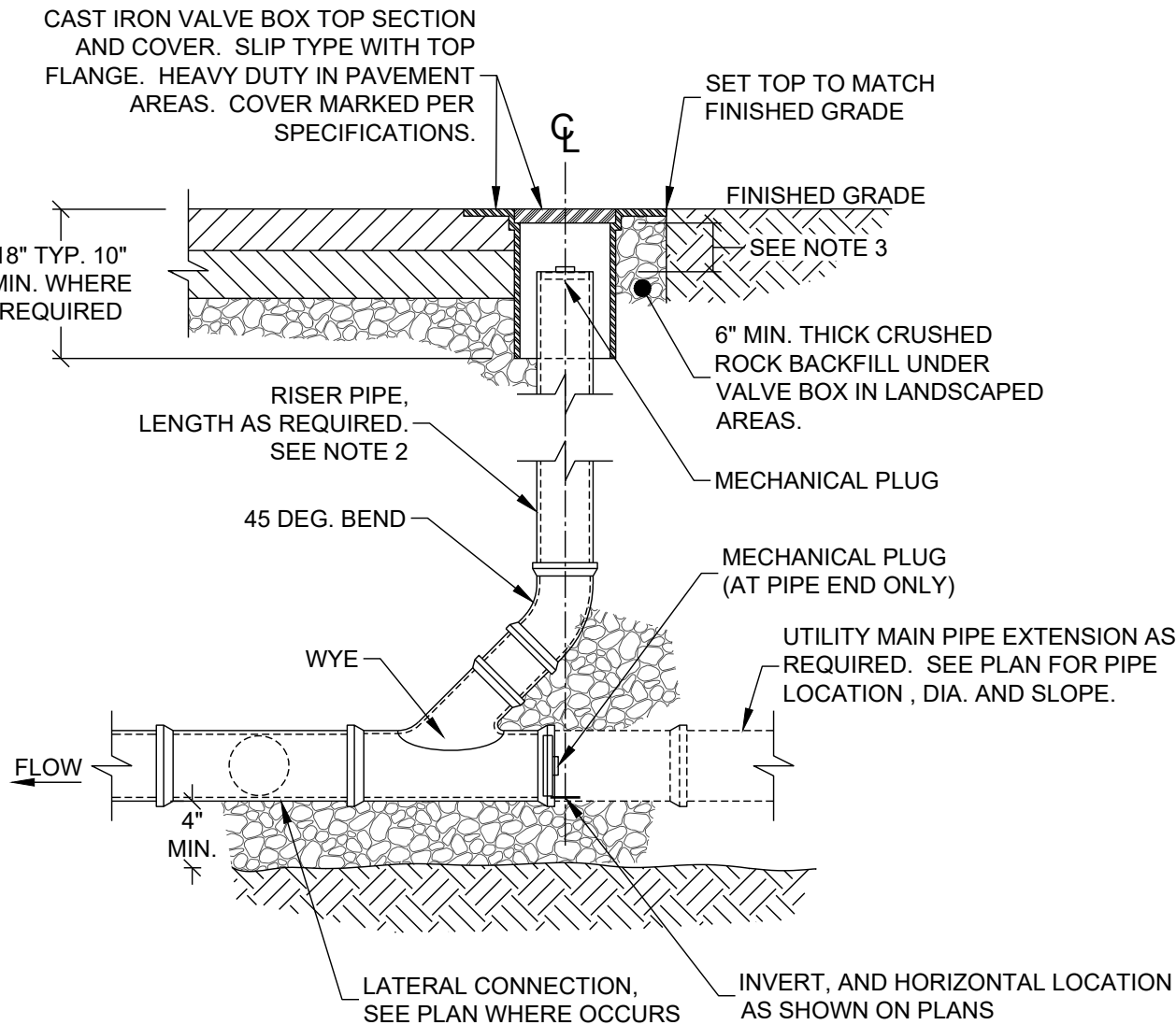
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CHECKED BY:	GL
DATE:	10/1/2021
TITLE:	CIVIL DETAILS
SCALE:	SEE SHEET

SHEET NO:
C-5.1
OF 26



1
C-5.1 **CAST IRON DOWNSPOUT WITH CAST IRON CLEANOUT TEE**

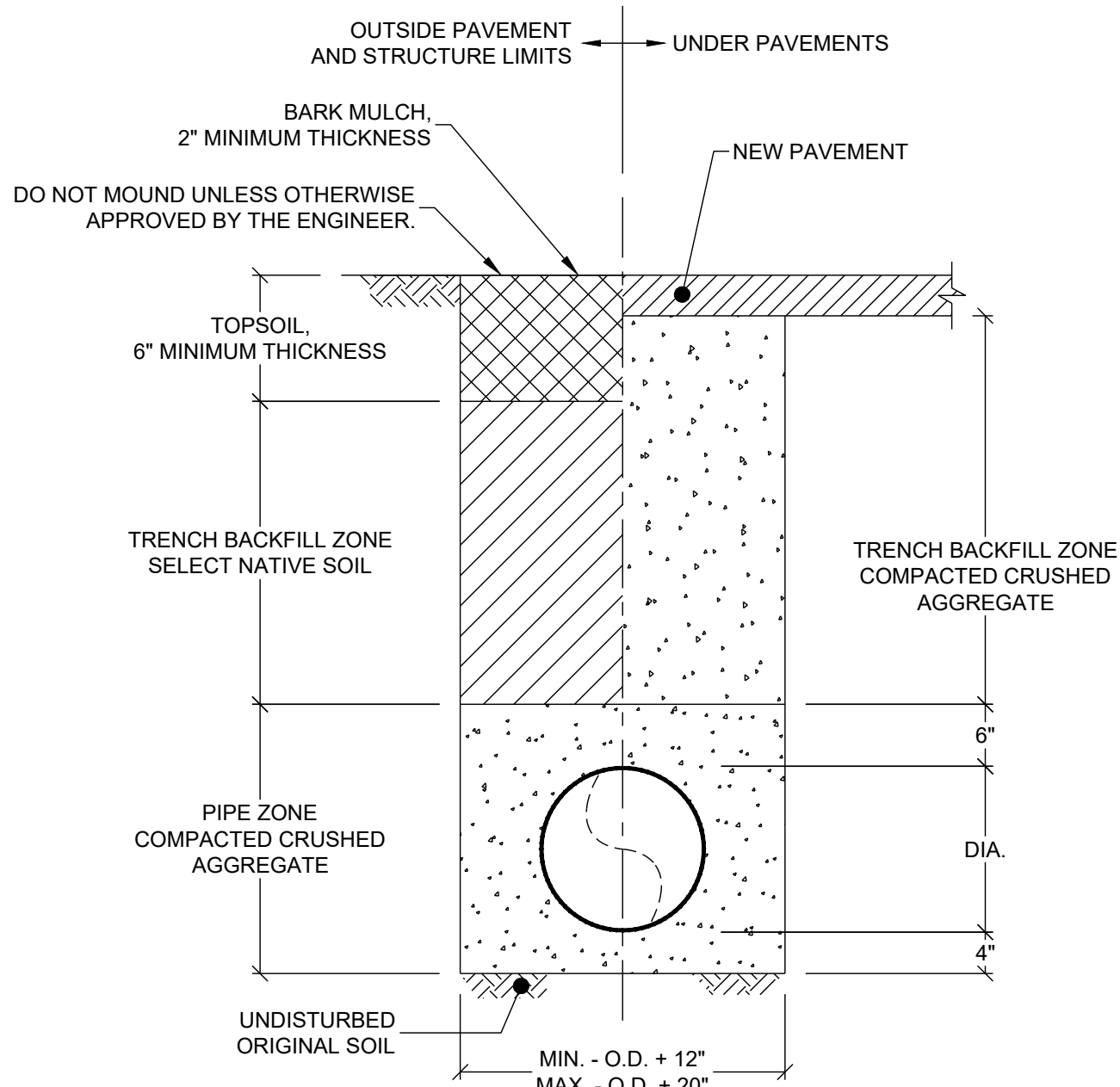
1" = 1'-0"



- NOTES:
1. TRACER WIRE SHALL ENTER STRUCTURE WITH RISER PIPE. PROVIDE ENOUGH FREE WIRE TO EXTEND 24" ABOVE FINISHED GRADE TO FACILITATE TESTING. VERIFY FREE END OF WIRE IS WITHIN EASY REACH OF OPENING IN TOP SECTION.
 2. RISER PIPE SIZE: 4", 6", AND 8" DIA. MAIN - 4" DIA. RISER PIPE 10" DIA. AND LARGER MAIN - 6" DIA. RISER PIPE.
 3. ADJUST END OF RISER PIPE TO MAINTAIN 3" MIN. AND 6" MAX. CLEARANCE BETWEEN END PIPE AND BOTTOM OF VALVE BOX LID.

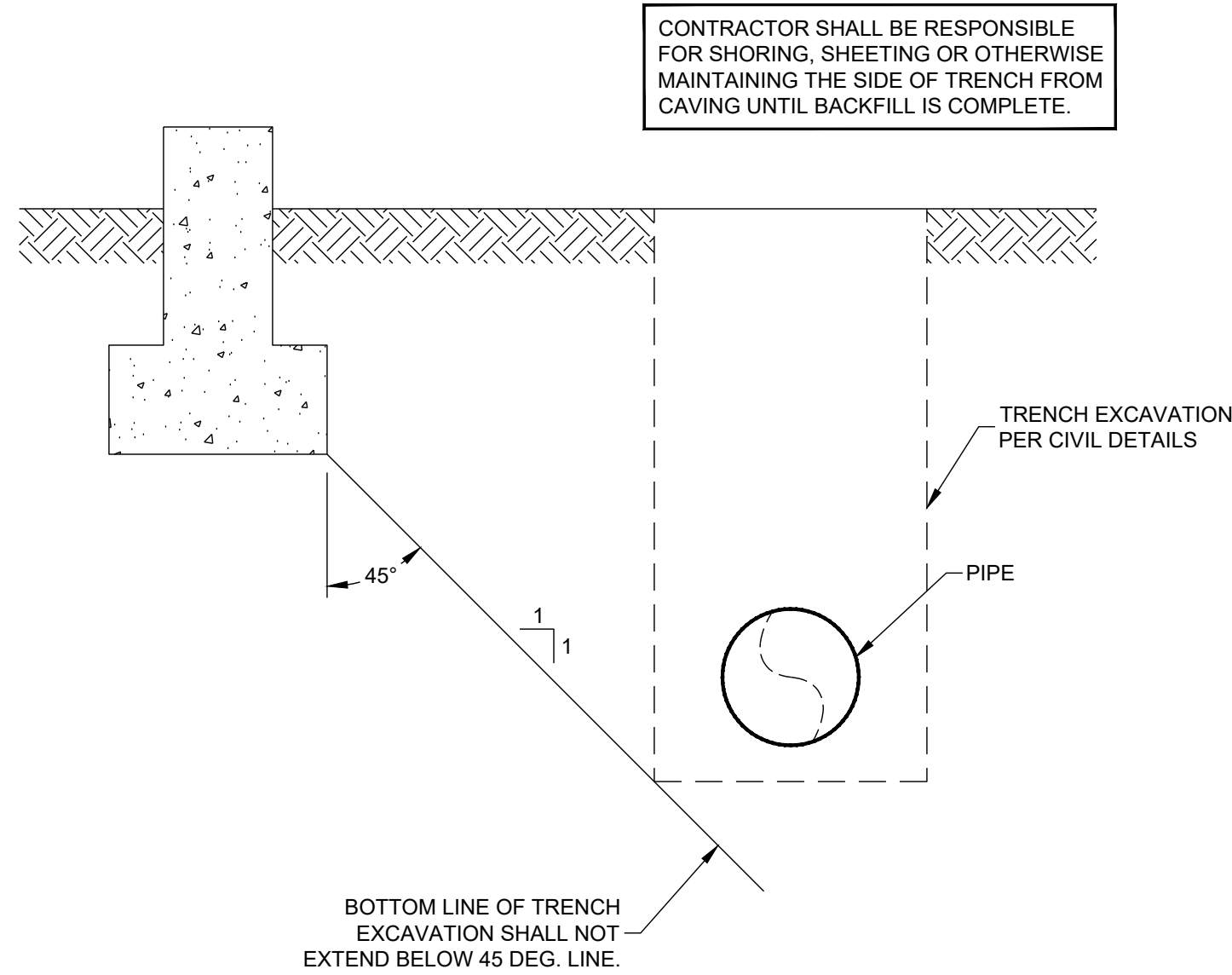
2
C-5.1 **STANDARD PRIVATE CLEANOUT (CO)**

1" = 1'-0"



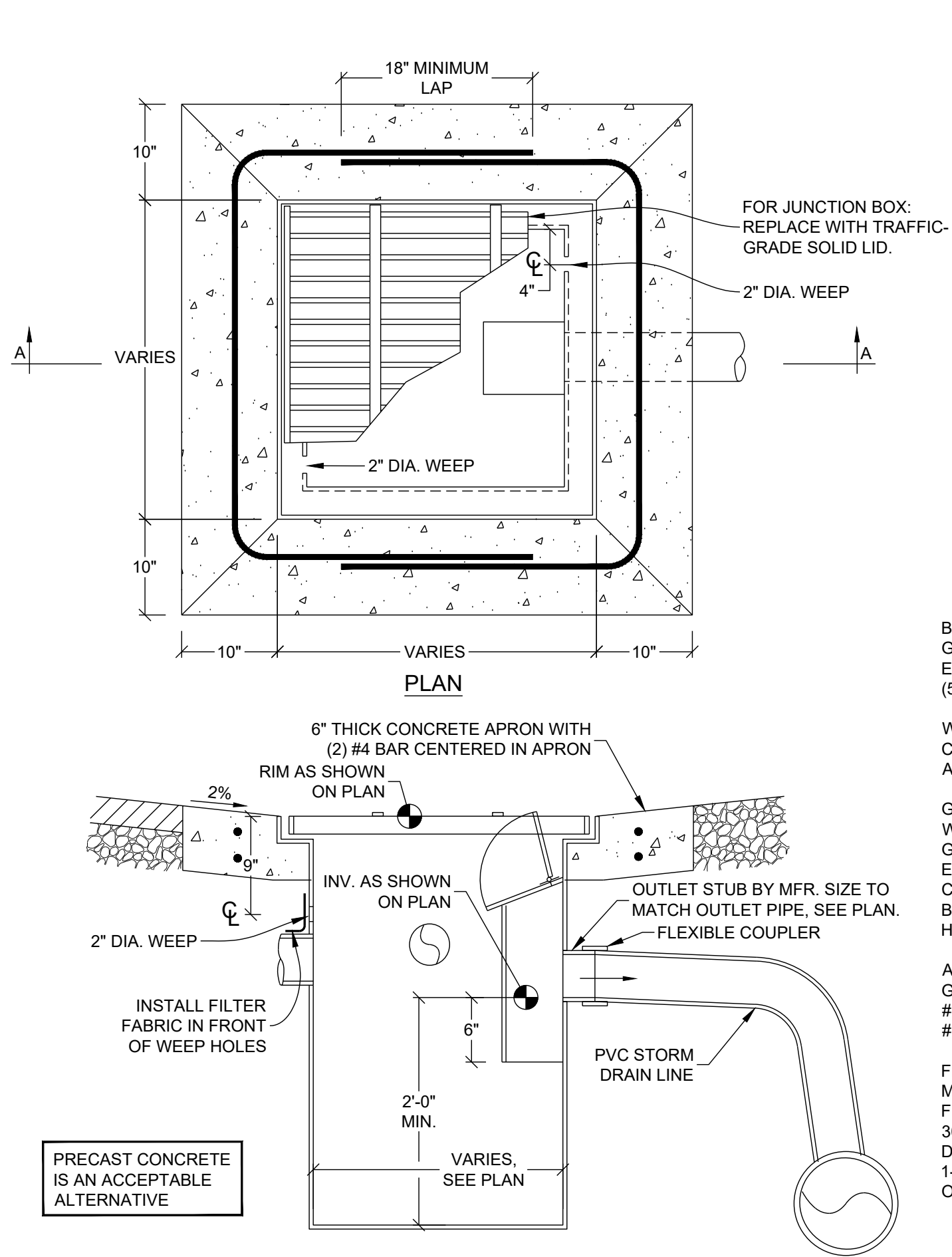
3
C-5.1 **TYPICAL TRENCH SECTION**

N.T.S.



4
C-5.1 **RELATION OF TRENCHES TO FOOTINGS**

1" = 1'-0"



BASIN AS MANUFACTURED BY:
GIBSON STEEL BASINS
EUGENE, OREGON
(541)484-7200

WELDED 10 GA. MILD STEEL,
COATED ALL SURFACES WITH
ASPHALTIC PAINT.

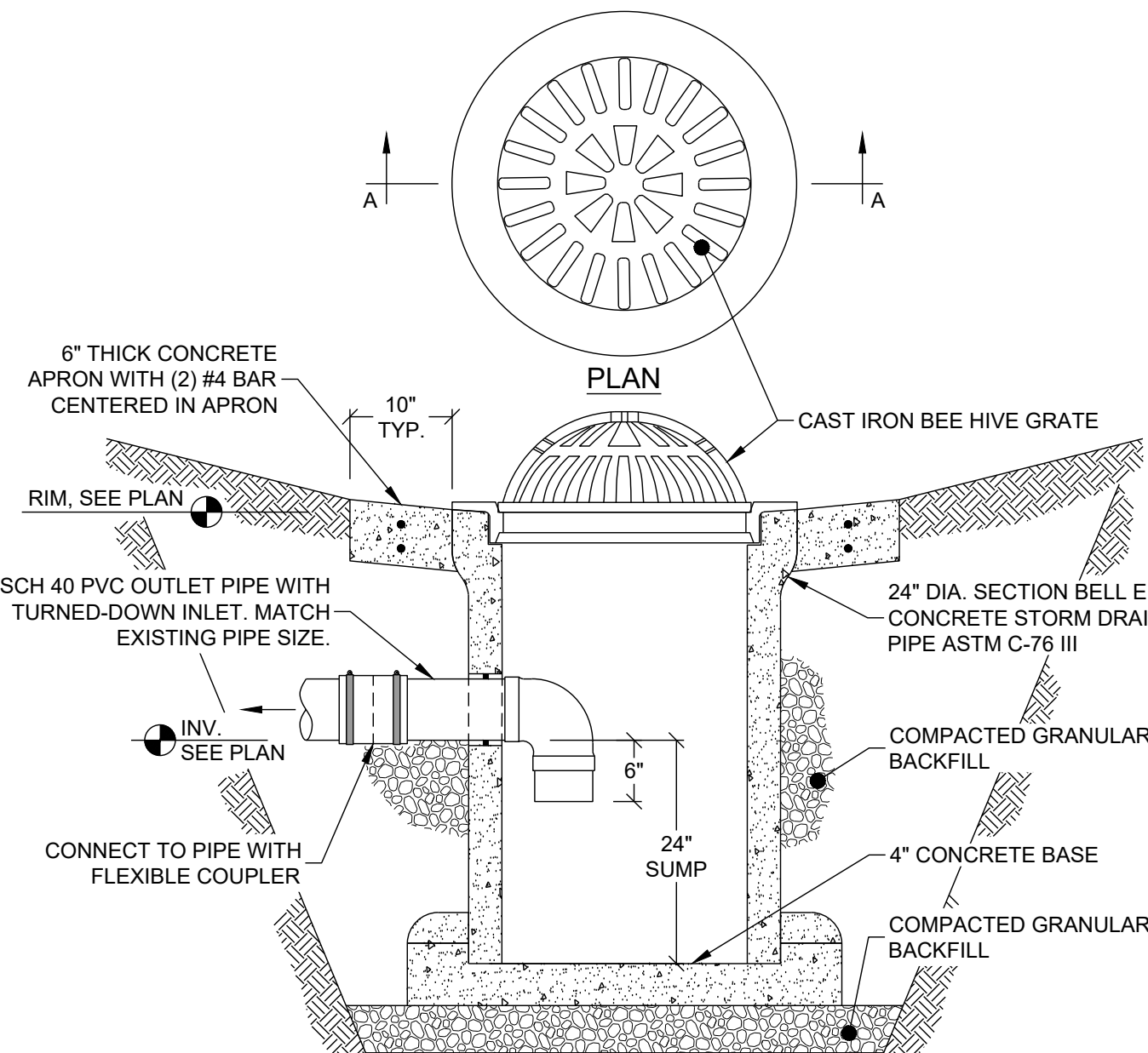
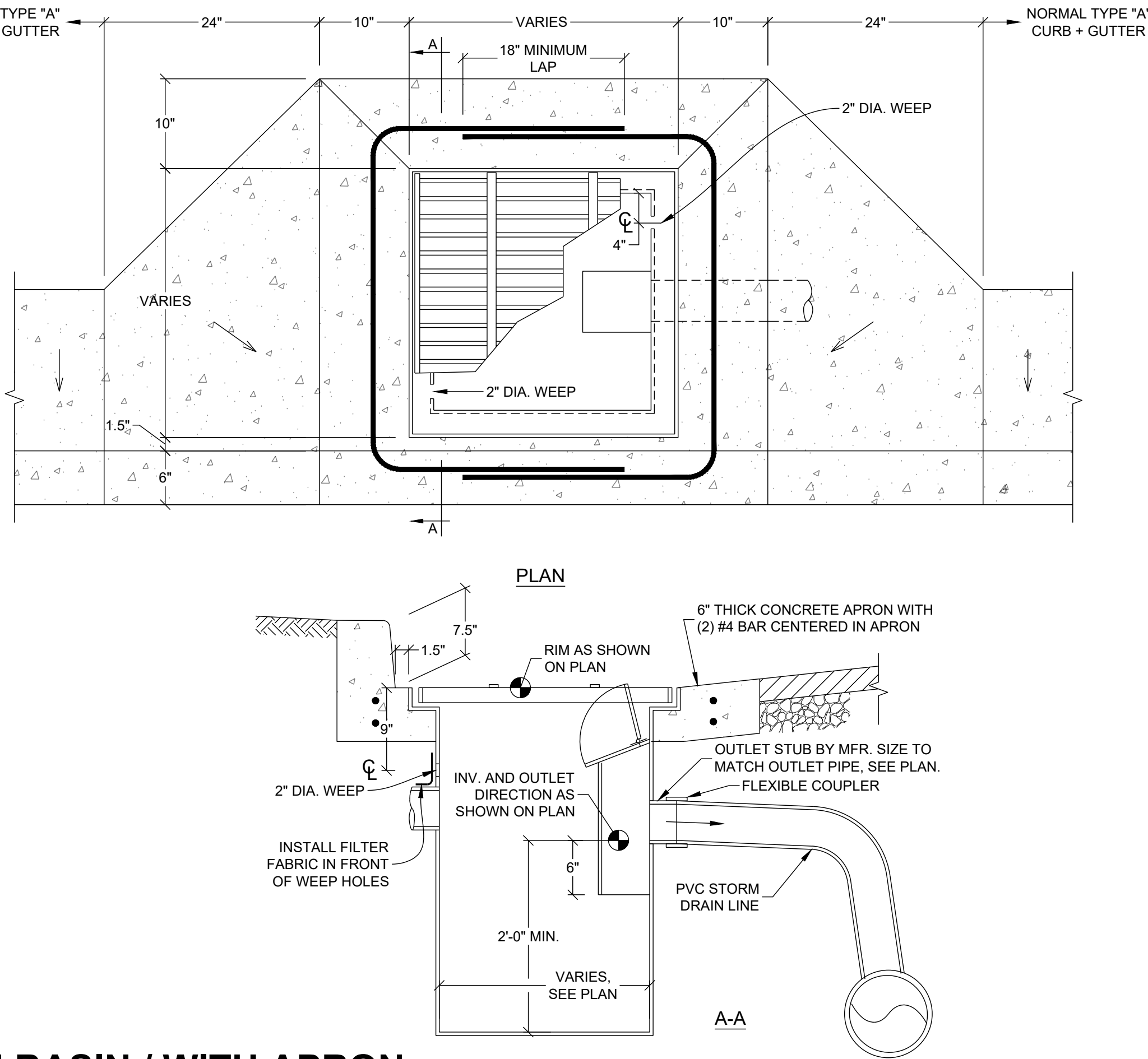
GRATE:
WELDED STEEL DROP-IN BAR
GRATE (ASTM A36).
END BARS: 1/2"x2"
CROSS BARS: 1/2"x2" AT 2" O.C.
BIKE STRAPS: 1/8"x1"
H-25 LOAD CAPACITY

ADA GRATE:
GIBSON STEEL BASIN MODEL
#SM-77-ADA FOR 24" SQ. BASIN
#14-SQ-CKR FOR 12" SQ. BASIN

FLEXIBLE COUPLER AS
MANUFACTURED BY:
FERNCO
300 S. DAYTON ST.
DAVISON MI 48423
1-800-521-1283
OR APPROVED EQUAL

5
C-5.1 **CATCH BASIN / WITH APRON**

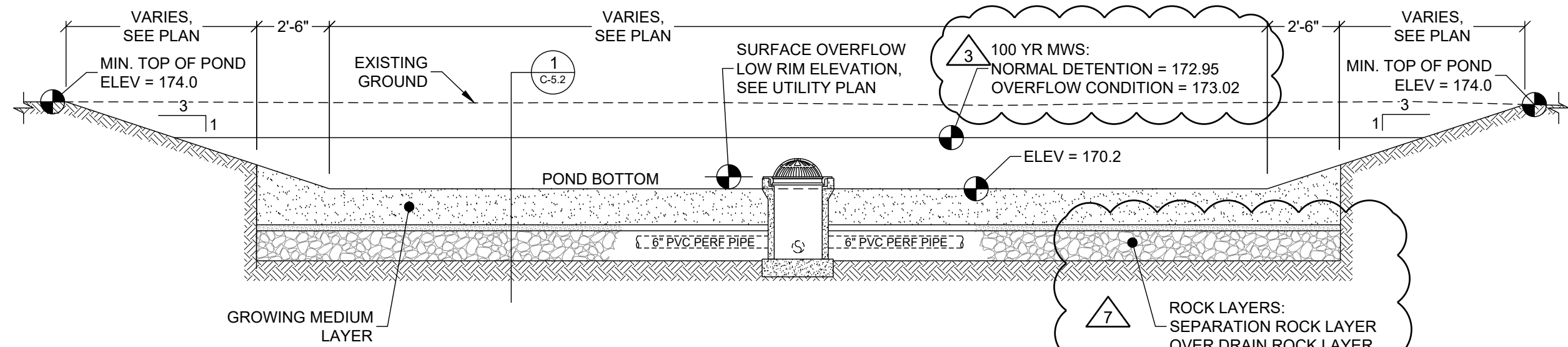
1" = 1'-0"



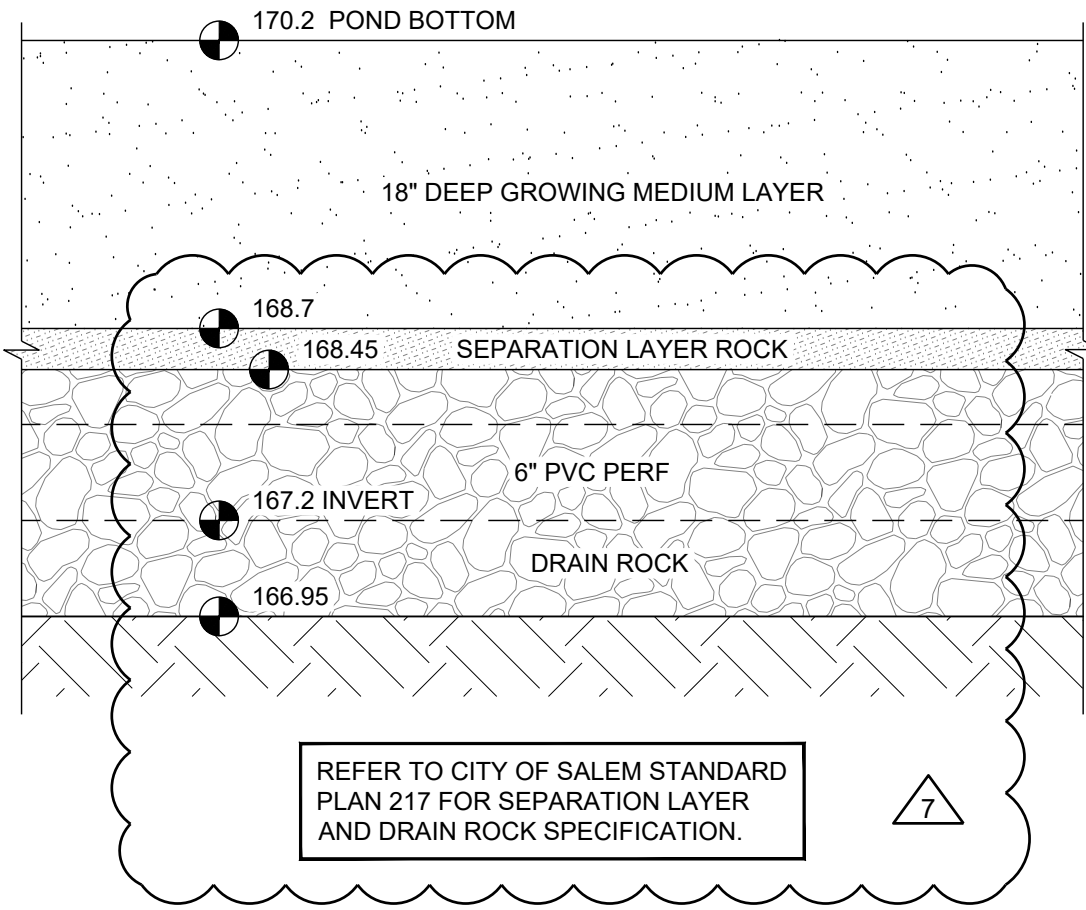
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C-5.1 **AREA DRAIN**

3/4" = 1'-0"

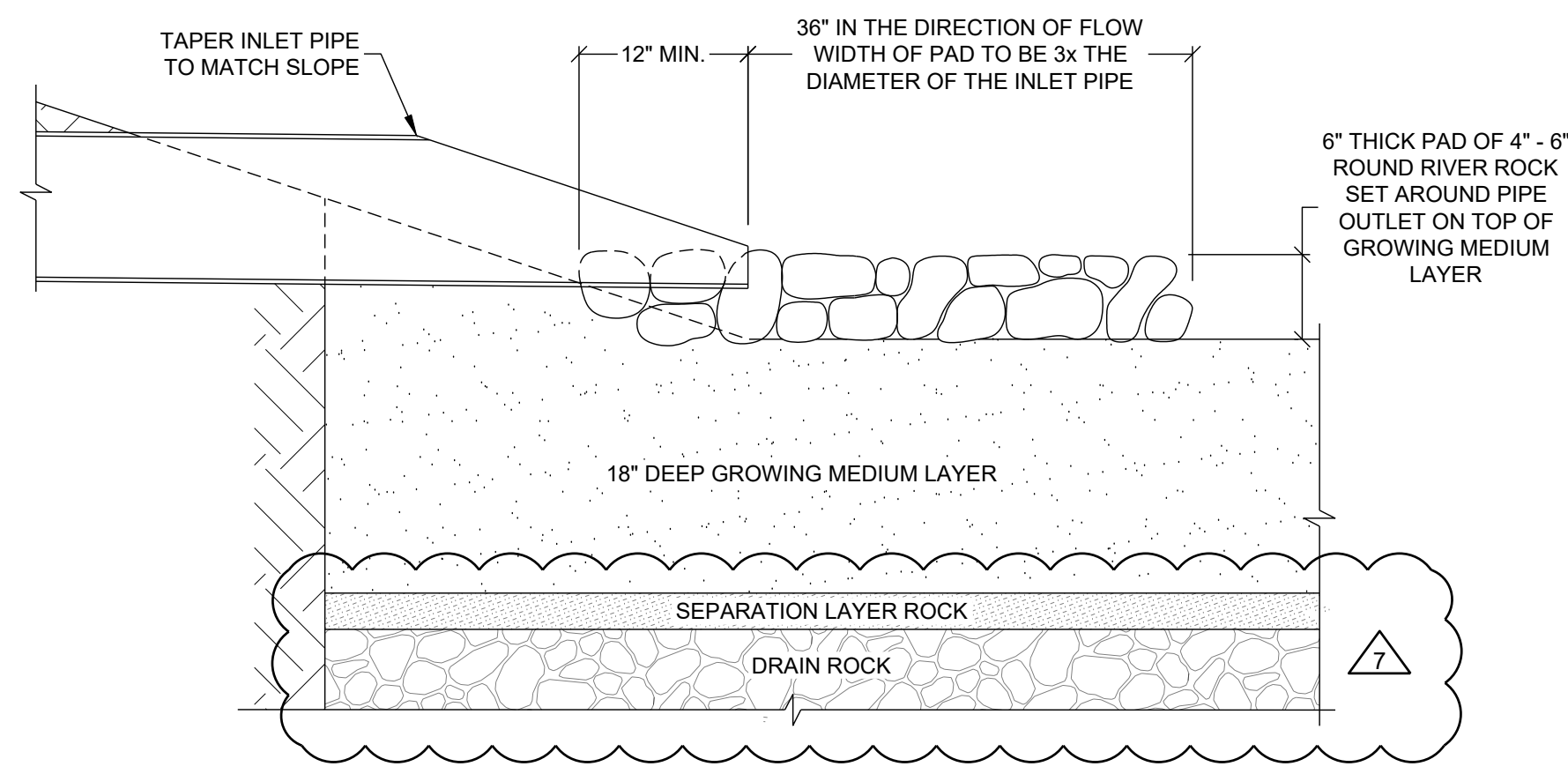
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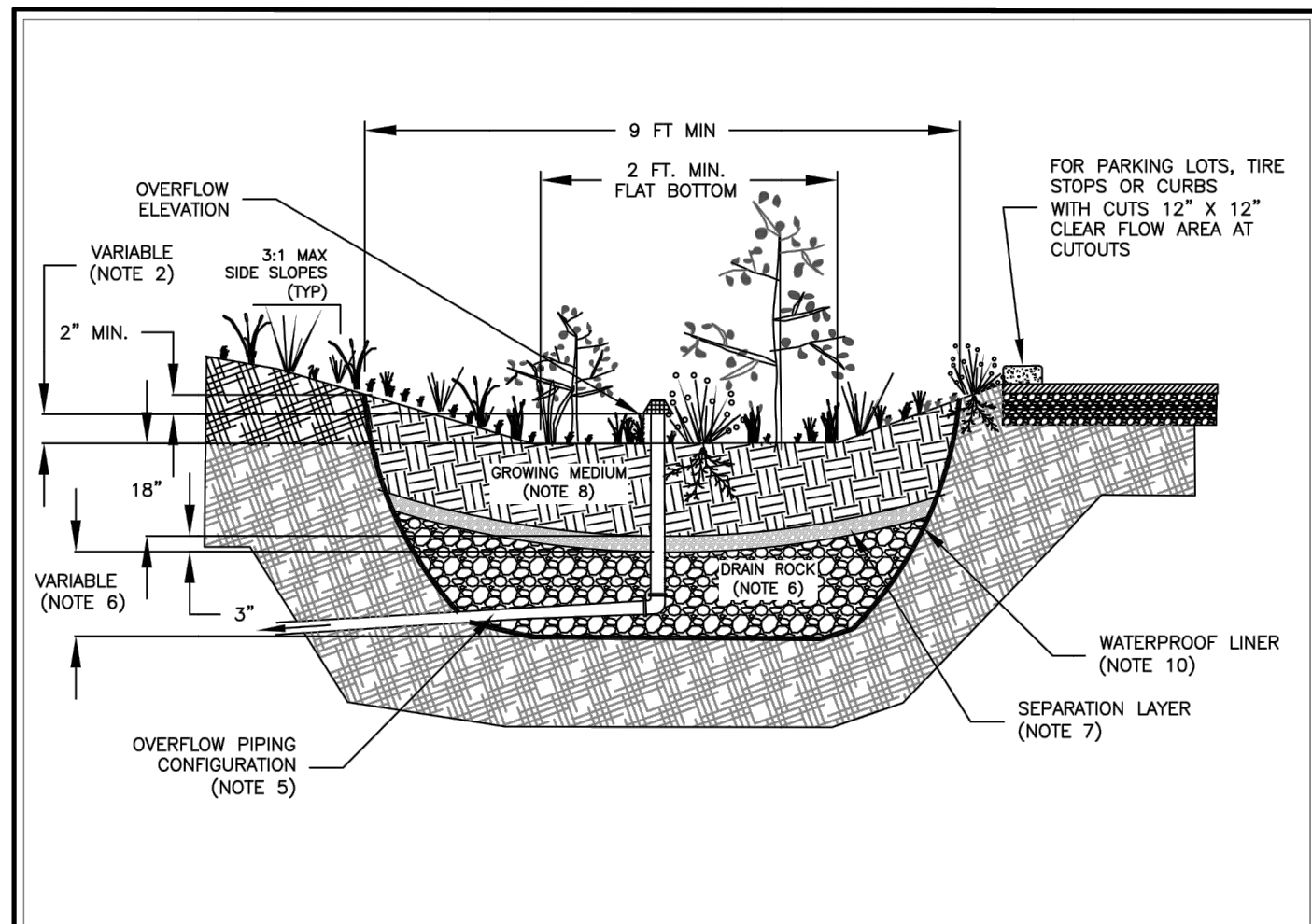
A BASIN SECTION - NORTH/SOUTH
C-5.2 1" = 5'-0"



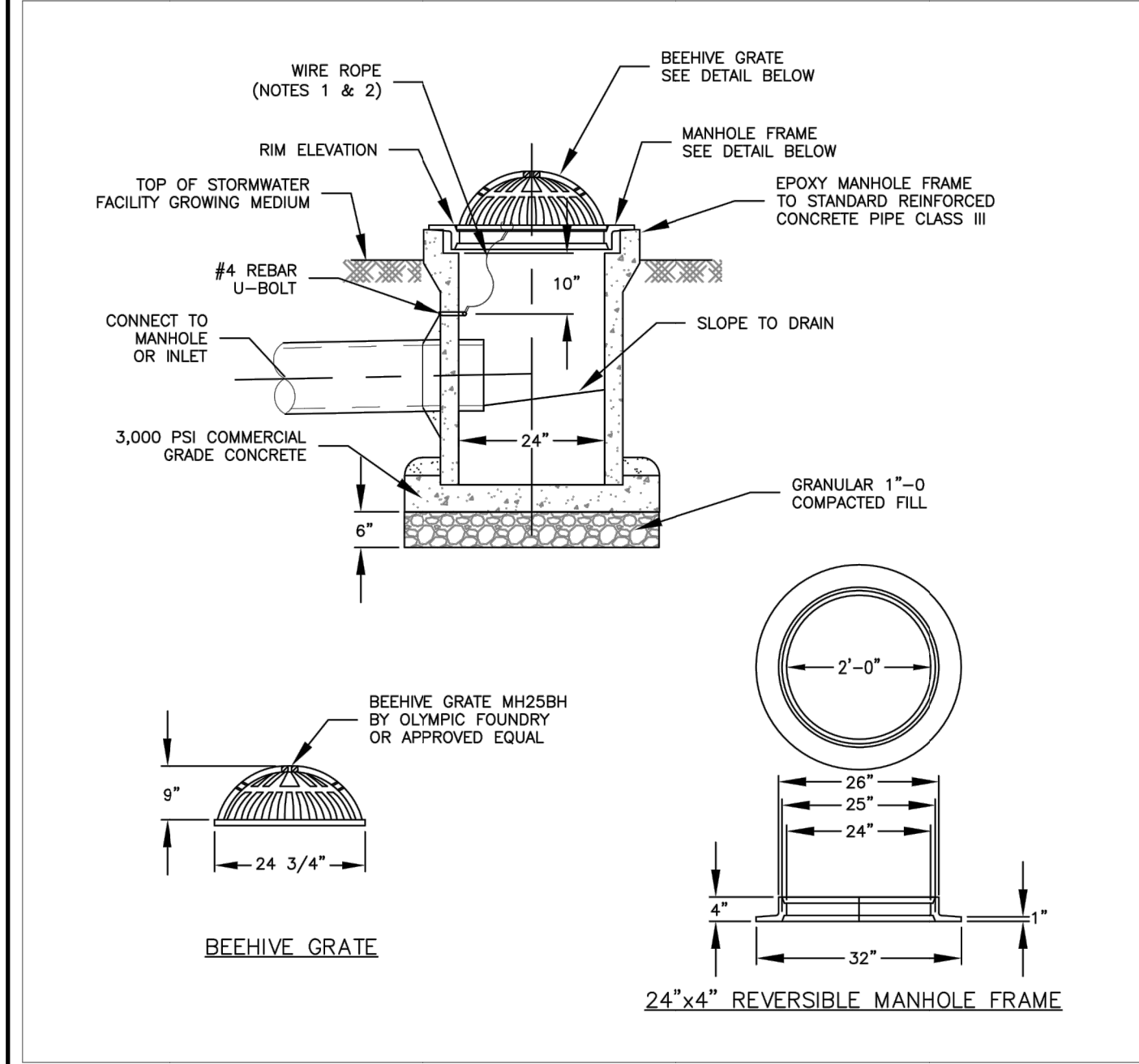
1 BASIN DETAIL
C-5.2 1" = 1'-0"



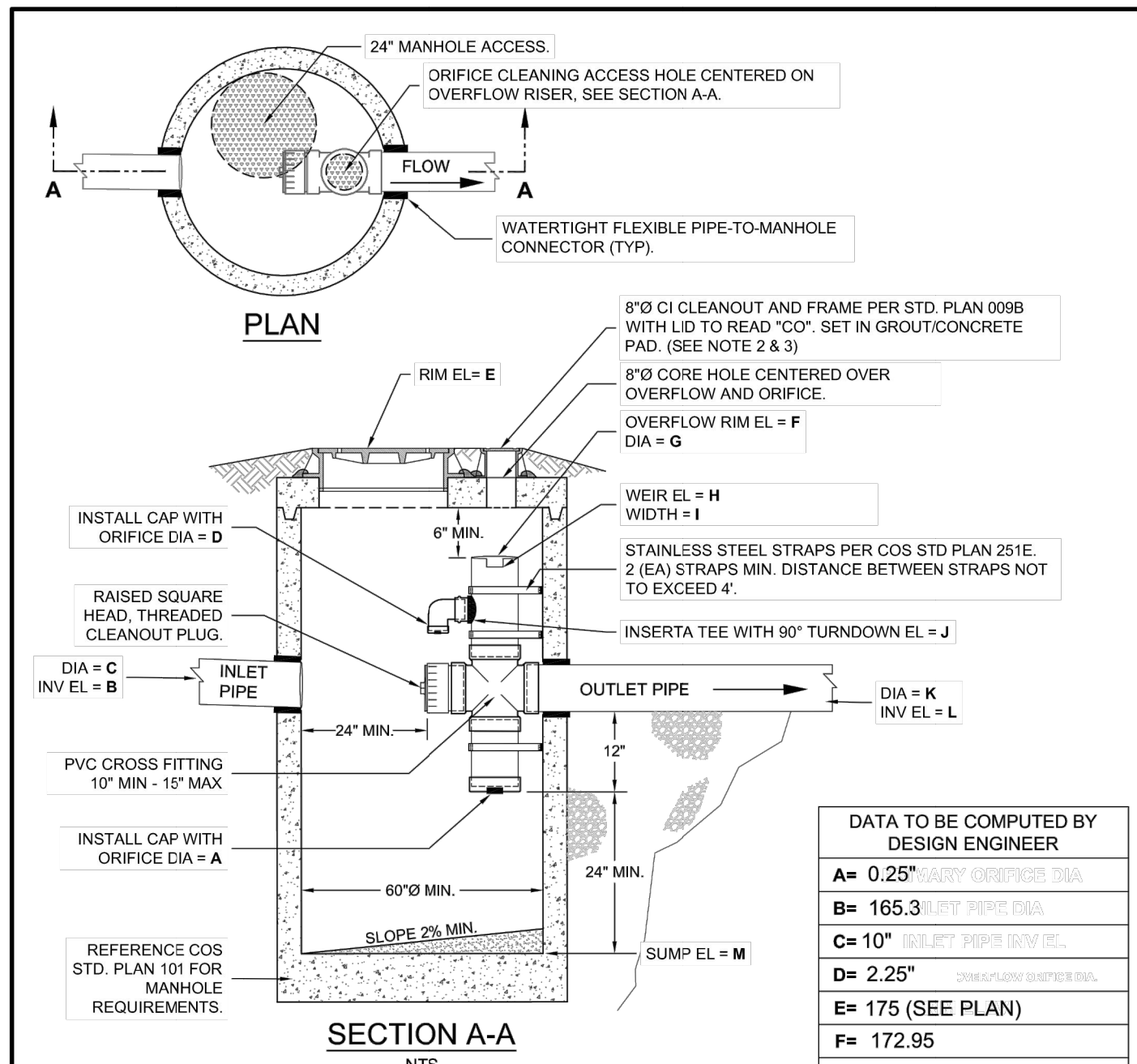
2 ROCK PAD AT PIPE OUTLET
C-5.2 1" = 1'-0"



NOTES:	
1. PROVIDE PROTECTION FROM ALL VEHICLE TRAFFIC, EQUIPMENT STAGING, AND FOOT TRAFFIC IN PROPOSED INFILTRATION AREAS PRIOR TO, DURING, AND AFTER CONSTRUCTION.	7. SEPARATION BETWEEN DRAIN ROCK AND GROWING MEDIUM SHALL BE A 3" LAYER OF 3/4" - 1/2" OPEN GRADED AGGREGATE.
2. DIMENSIONS: A. WIDTH: 9 FT. MINIMUM. B. DEPTH OF RAIN GARDEN (MEASURED FROM TOP OF GROWING MEDIUM TO OVERFLOW ELEVATION): 1) SIMPLIFIED 12" - 18" 2) ENGINEERED 6" - 18" C. SLOPE OF PLANTER: 0.5% OR LESS	8. GROWING MEDIUM: A. DEPTH: 18" B. SEE DESIGN STANDARDS FOR REQUIREMENTS
3. SETBACKS (FROM NEAREST POINT AT FINISHED GRADE): A. INFILTRATION - 10 FT. FROM FOUNDATIONS B. FILTRATION MUST BE LINED, NO SETBACK REQUIREMENT FROM FOUNDATIONS C. SETBACKS FROM PROPERTY LINES VARY DEPENDING ON SITE CONDITIONS (SEE DESIGN STANDARDS)	9. VEGETATION: FOLLOW LANDSCAPE PLANS OR REFER TO PLANTING REQUIREMENTS IN DESIGN STANDARDS.
4. OVERFLOW: A. INLET ELEVATION MUST ALLOW FOR 2" OF FREEBOARD, MINIMUM B. FILTRATION - 10 FT. FROM FOUNDATIONS C. SETBACKS FROM PROPERTY LINES VARY DEPENDING ON SITE CONDITIONS (SEE DESIGN STANDARDS)	10. FOR FILTRATION RAIN GARDEN INSTALL 30 mil. PVC, HDPE OR EQUIVALENT WATERPROOF LINER (SEE STANDARD PLAN #221).
5. PIPING: SEE STANDARD PLAN 221	11. INSTALL RIVER ROCK SPLASH PAD TO TRANSITION FROM INLETS TO GROWING MEDIUM.
6. DRAIN ROCK: A. 1 1/2" - 3/4" WASHED AGGREGATE WITH 40% VOIDS B. DEPTH: SIMPLIFIED - 18" (IF ≤ 1.75 "/hr INFILTRATION RATE) 12" (IF > 1.75 "/hr INFILTRATION RATE) ENGINEERED - 0" - 48"	
CITY OF SALEM DEPARTMENT OF PUBLIC WORKS	
STANDARD PLAN RAIN GARDEN	
APPROVED <i>[Signature]</i> 1/01/14 CITY ENGINEER	DRAWN BY KAK 12/2013 CHECKED BY KR 12/2013 NO. 217



NOTES:	
1. SECURE GRATE IN PLACE WITH 54 INCHES OF WIRE ROPE. LOOP ENDS OF WIRE ROPE AROUND U-BOLT AND GRATE. CRIMP EACH END OF WIRE ROPE WITH 3" OVERLAP. WIRE ROPE TO BE 1/8" - 3/16" STAINLESS STEEL, 7 STRANDS OF 19 WIRES	
2. DRILL 2" DEEP HOLES INTO PIPE AND EPOXY #4 REBAR U-BOLT (2" X 4") IN HOLES	
3. GRATE TO BE CAST IRON, ASTM A48 CL30	
CITY OF SALEM DEPARTMENT OF PUBLIC WORKS	
STANDARD PLAN BEEHIVE INLET GRATE	
APPROVED <i>[Signature]</i> 1/01/14 CITY ENGINEER	DRAWN BY KAK 12/2013 CHECKED BY KR 12/2013 NO. 246



GENERAL NOTES	
1. THIS CONTROL STRUCTURE ONLY TO BE USED WITH OUTLET PIPE UP TO 15 INCHES IN DIAMETER. IF GREATER THAN 15 INCHES USE COS STANDARD PLAN 251B.	
2. ORIFICE CLEANING ACCESS TO BE AN 8 INCH CORE HOLE THROUGH FLAT-TOP (CENTERED ON OVERFLOW) WITH CAST IRON CLEANOUT BOX GROUTED TO SLAB.	
3. WHEN CONSTRUCTING WITHIN PAVED SURFACE, CONSTRUCT MANHOLE LID AND CLEANOUT PER COS STANDARD PLAN 104 AND 4006 RESPECTIVELY.	
4. REFERENCE ORIFICE MEASUREMENT TABLE ON COS STANDARD PLAN 251E FOR ORIFICE SIZE REQUIREMENTS.	
CITY OF SALEM DEPARTMENT OF PUBLIC WORKS	
STANDARD PLAN FLOW CONTROL MANHOLE	
APPROVED <i>[Signature]</i> 6/8/2021 CITY ENGINEER	DRAWN BY KLA 4/2021 CHECKED BY JDL 4/2021 NO. 251A

MAINTENANCE BYPASS DEVICE NTS:									
LIFT HANDLE ATTACHMENT ADJUSTABLE LOCK HOOK WITH LOCK SCREW OR APPROVED EQUAL. AFFIX BRACKET TO SIDE OF STRUCTURE WITHIN 8" OF GRATE 1/2" ROD OR TUBING LIFT HANDLE DETAIL	SEE DETAIL 1 DETAIL 1 SEAT DETAIL STAINLESS CHAIN OR CABLE TO BE CONNECTED TO FLAPGATE AND FIXED TO SIDE OF STRUCTURE WITHIN 6" OF RIM								
CAST ALUMINUM SHEAR GATE: USE WHEN > 5FT FROM RIM TO BYPASS INVERT MANUFACTURED BY OLYMPIC FOUNDRY OR APPROVED SIMILAR									
STAINLESS FLAPGATE: USE WHEN > 5FT FROM RIM TO BYPASS INVERT MANUFACTURED BY WATERMAN OR APPROVED SIMILAR									
STAINLESS STRAP NTS:									
STAINLESS STEEL STRAP ANCHOR TO BE 1/2" EXPANSION ANCHOR SIMILAR TO RED HEAD OR APPROVED EQUAL	ORIFICE CAP NTS: CAP TO BE SCHEDULE 40 AND GLUED IN PLACE OR GASKETED CAP ORIFICE HOLE DRILLED IN CAP TO BE COMMON DRILL BIT MEASUREMENT PER BELOW TABLE.								
ORIFICE TABLE MEASUREMENT									
<table><thead><tr><th>CALCULATED SIZE</th><th>INCREMENT</th></tr></thead><tbody><tr><td>1/4" - 1"</td><td>1/8"</td></tr><tr><td>1" - 3"</td><td>1/4"</td></tr><tr><td>> 3"</td><td>1/2"</td></tr></tbody></table>		CALCULATED SIZE	INCREMENT	1/4" - 1"	1/8"	1" - 3"	1/4"	> 3"	1/2"
CALCULATED SIZE	INCREMENT								
1/4" - 1"	1/8"								
1" - 3"	1/4"								
> 3"	1/2"								
GENERAL NOTES									
1. REFERENCE CONTROL STRUCTURE STANDARD PLAN FOR NUMBER OF STRAPS TO BE USED.									
CITY OF SALEM DEPARTMENT OF PUBLIC WORKS									
STANDARD PLAN FLOW CONTROL COMPONENTS									
APPROVED <i>[Signature]</i> 6/8/2021 CITY ENGINEER	DRAWN BY KLA 4/2021 CHECKED BY JDL 4/2021 NO. 251E								

REV.	DATE	DESCRIPTION
3	22 DEC 2021	REVISIONS PER COS PRC_1 STORM WATER REVIEW
1	14 MAR 2022	REVISIONS PER COS PRC_2 STORM WATER REVIEW



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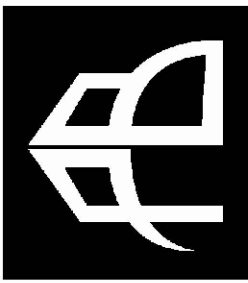
A NEW PROJECT FOR SALEM-KEIZER SCHOOL DISTRICT @
**HALLMAN
ELEMENTARY SCHOOL**
SALEM, OR
4000 DEERHAVEN DR. NE



DRAWN BY:	SC
CHECKED BY:	GL
DATE:	10/1/2021
TITLE:	CIVIL DETAILS
SCALE:	SEE SHEET

SHEET NO:	C-5.2
OF	26

REV.	DATE	DESCRIPTION
	03 DEC 2021	BUILDING CODE REVISIONS - 12.03.2021



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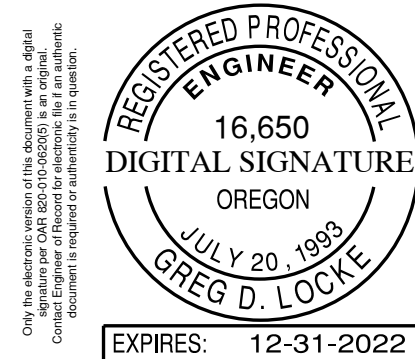
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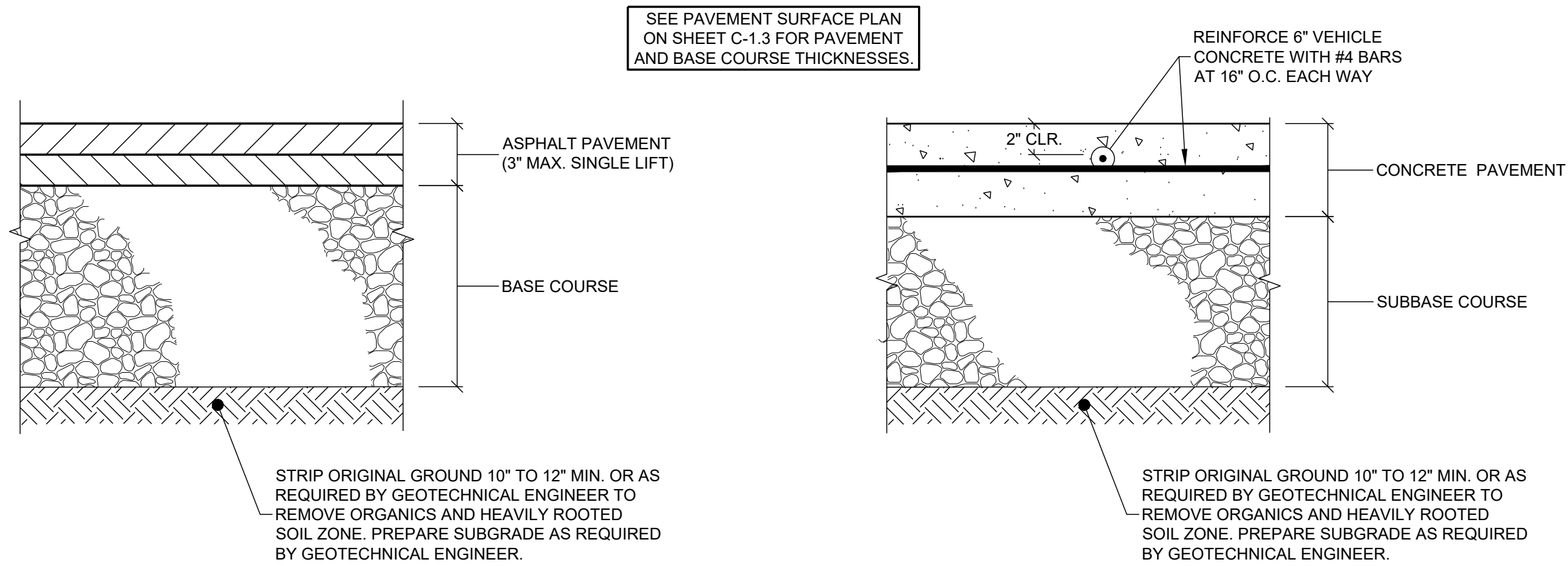
**HALLMAN
ELEMENTARY SCHOOL**

4000 DEERHAVEN DR. NE
SALEM, OR



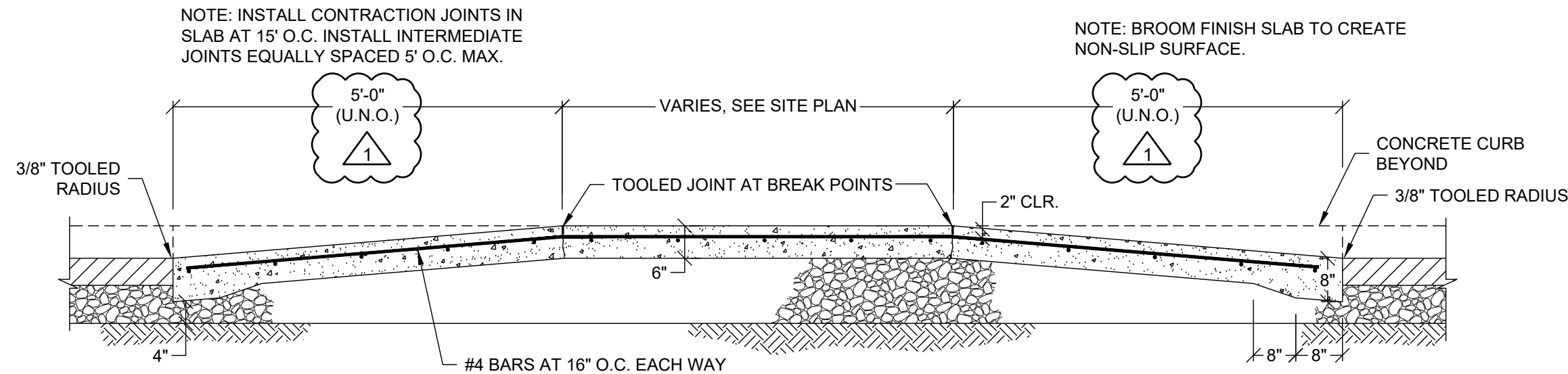
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TITLE:	CIVIL DETAILS
SCALE:	SEE SHEET

SHEET NO:
C-5.3
OF 26

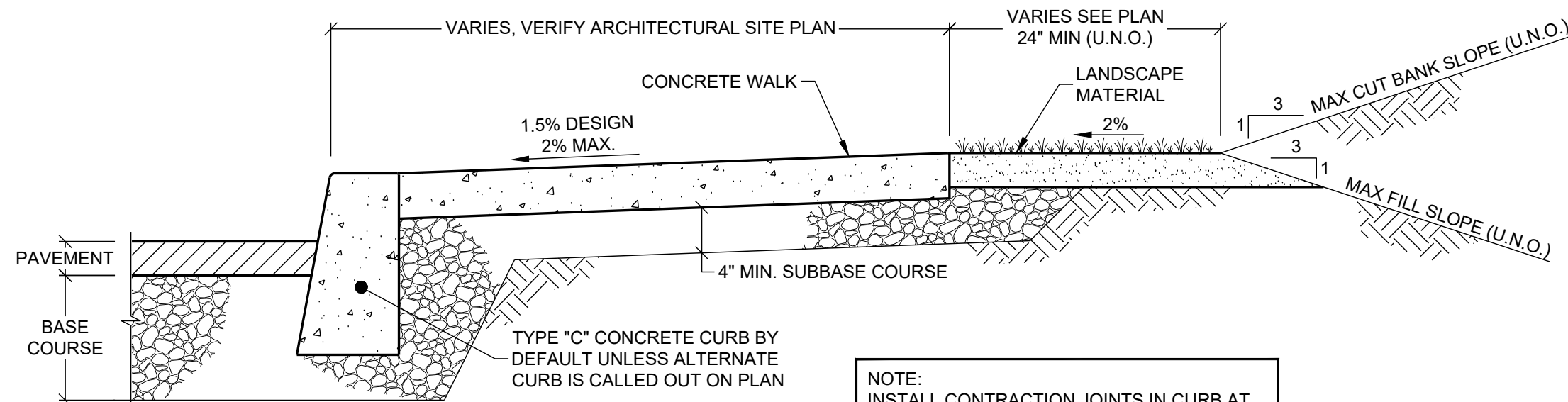


1
C-5.3
TYPICAL ASPHALT PAVEMENT SECTION
1 1/2" = 1'-0"

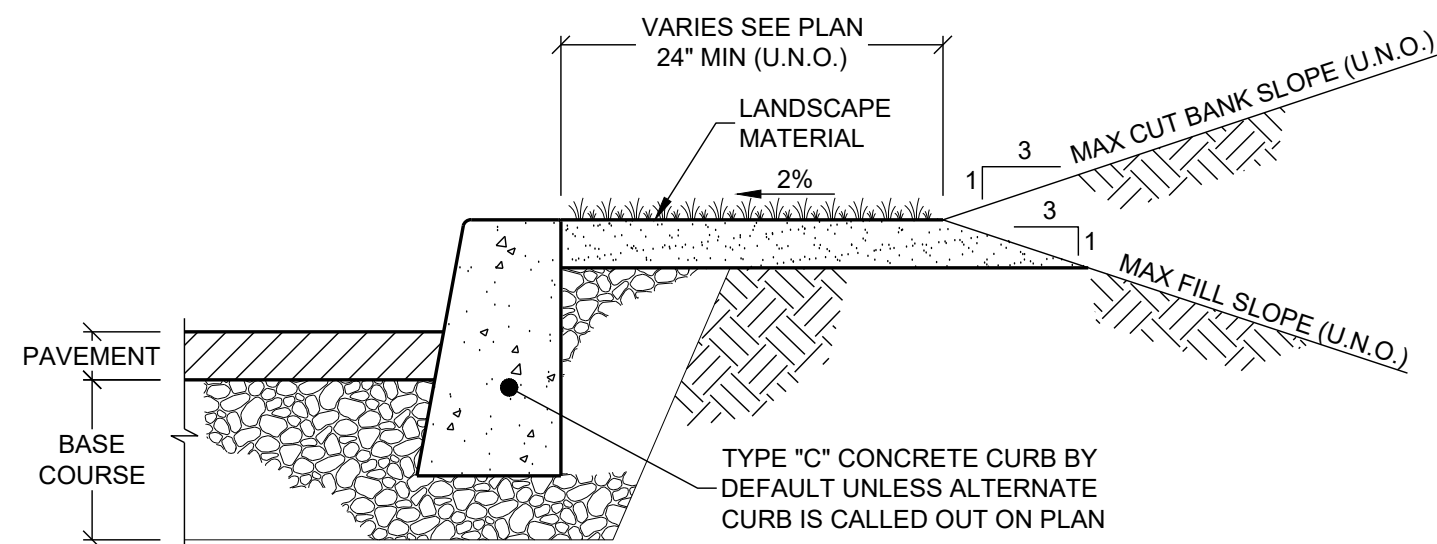
2
C-5.3
TYPICAL CONCRETE PAVEMENT SECTION
1 1/2" = 1'-0"



3
C-5.3
RAISED CROSSWALK/CONCRETE SPEED HUMP
1/2" = 1'-0"

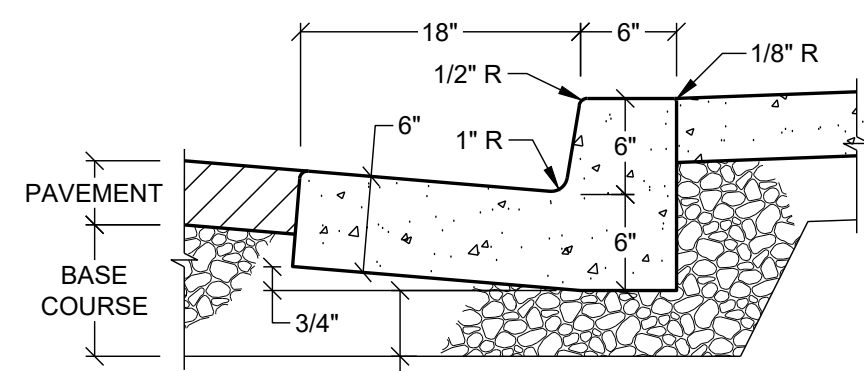


CURB WITH SIDEWALK

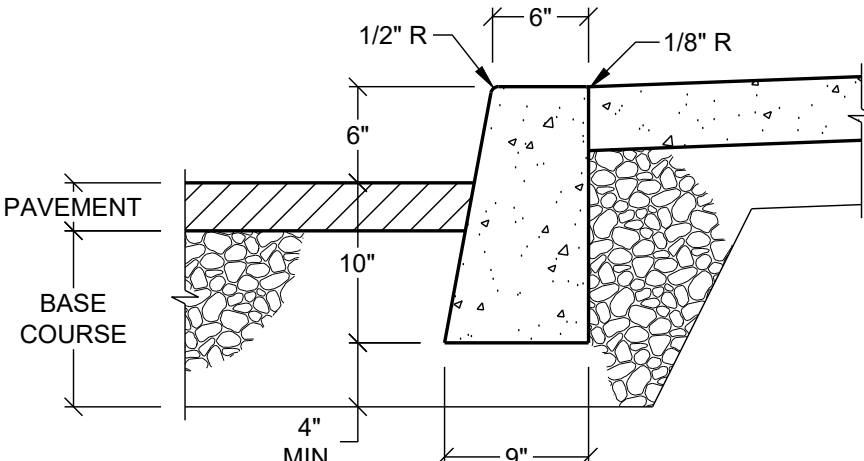


CURB WITH LANDSCAPE

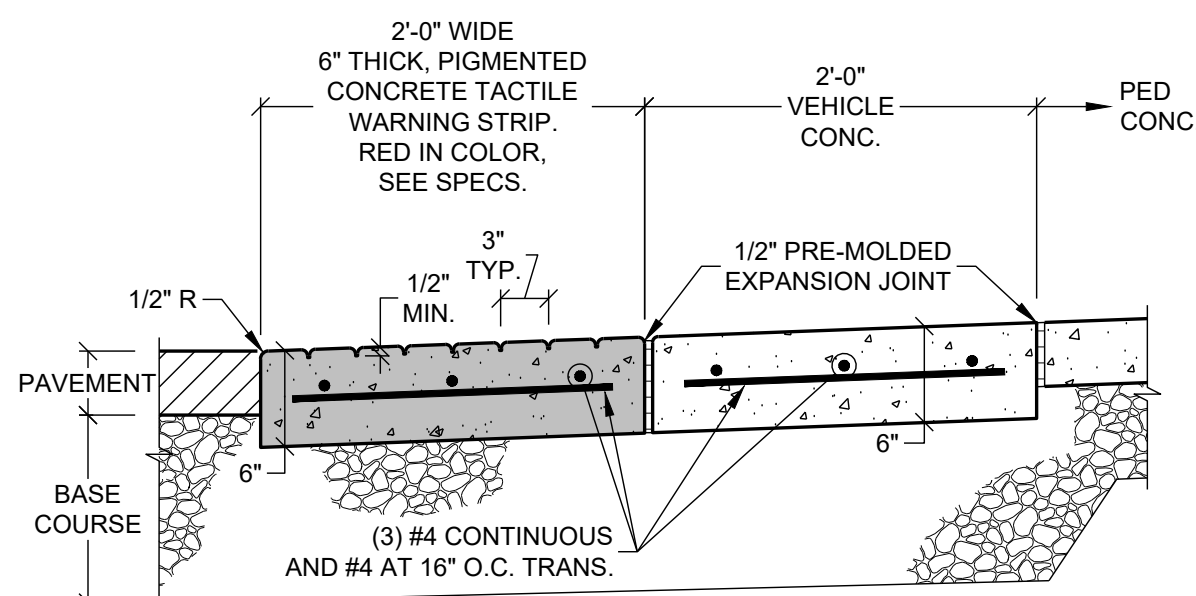
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STANDARD CURBS
1" = 1'-0"



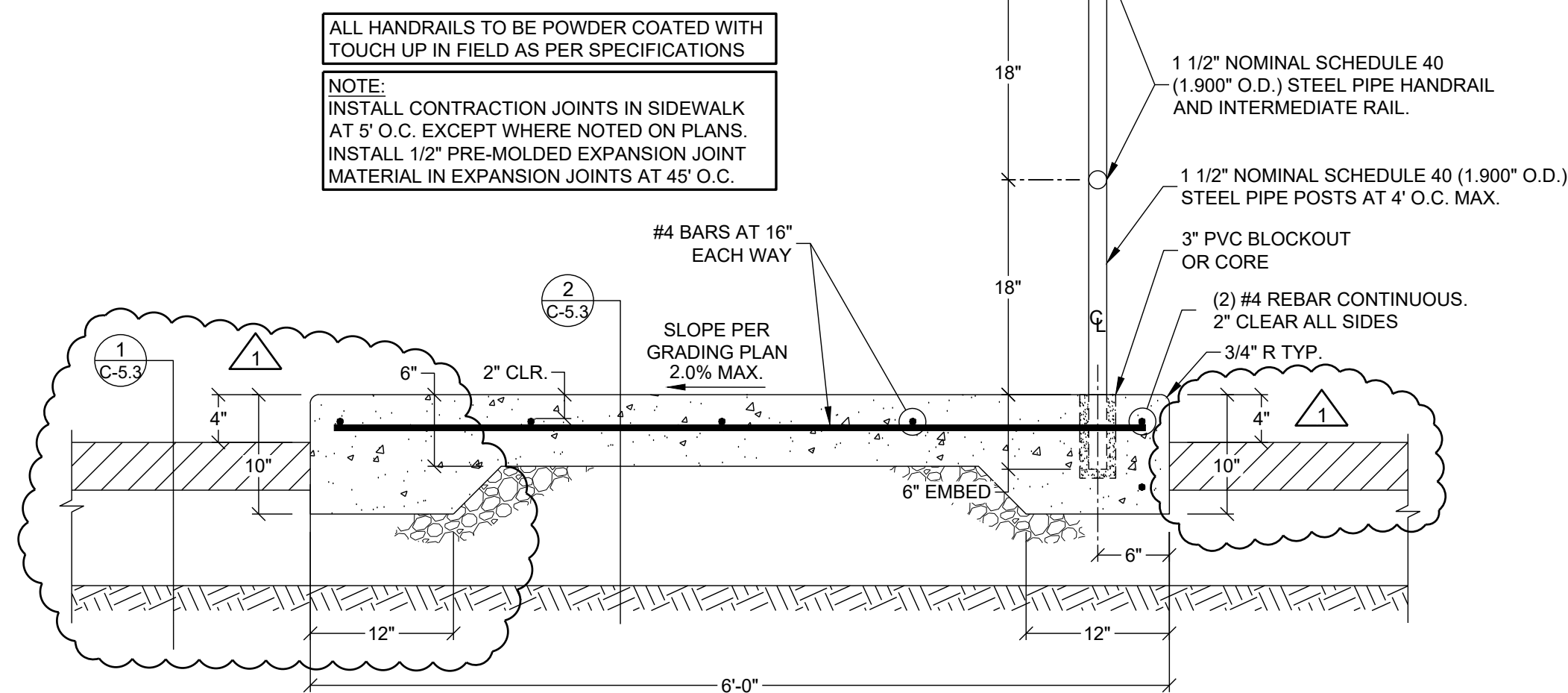
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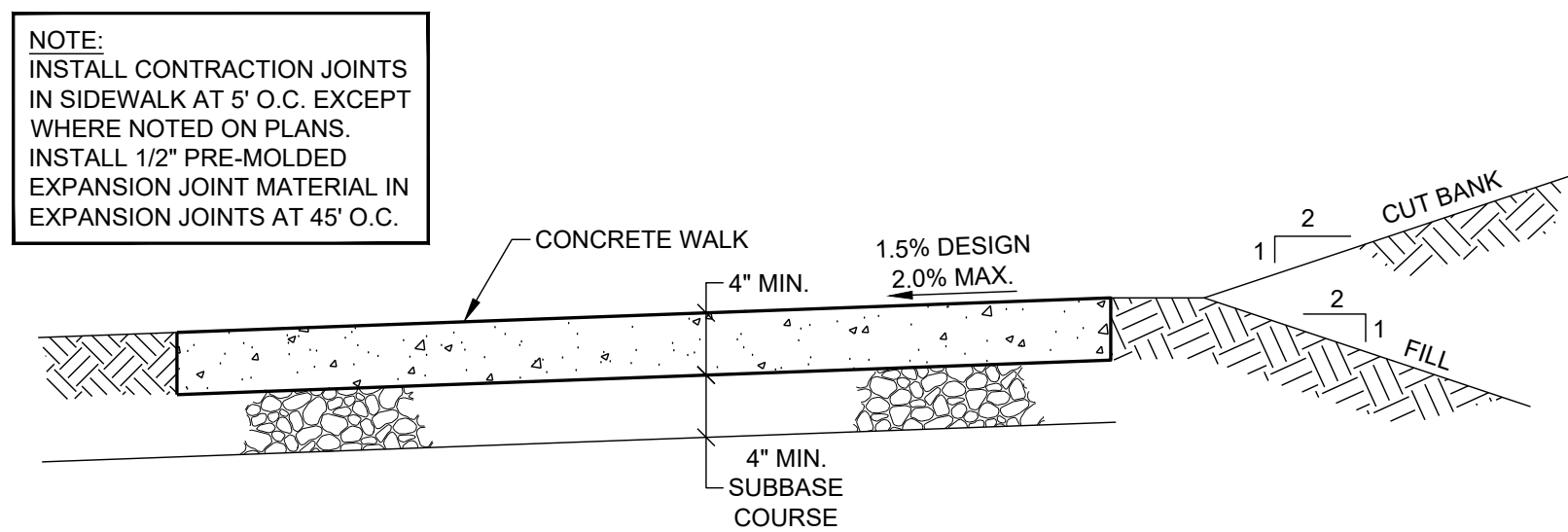
TYPE "C" CURB



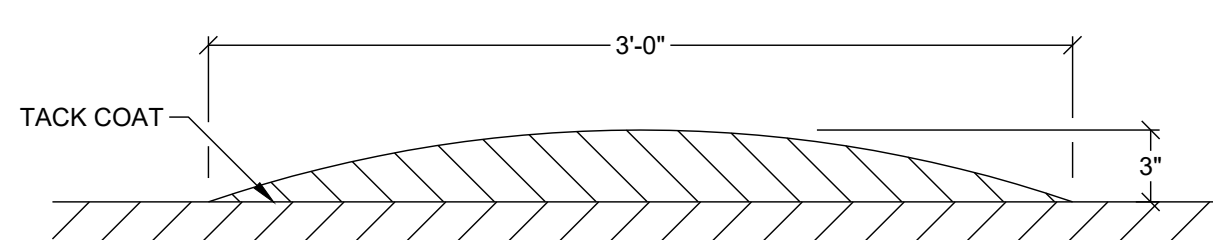
TYPE "G" AT-GRADE TACTILE CURB



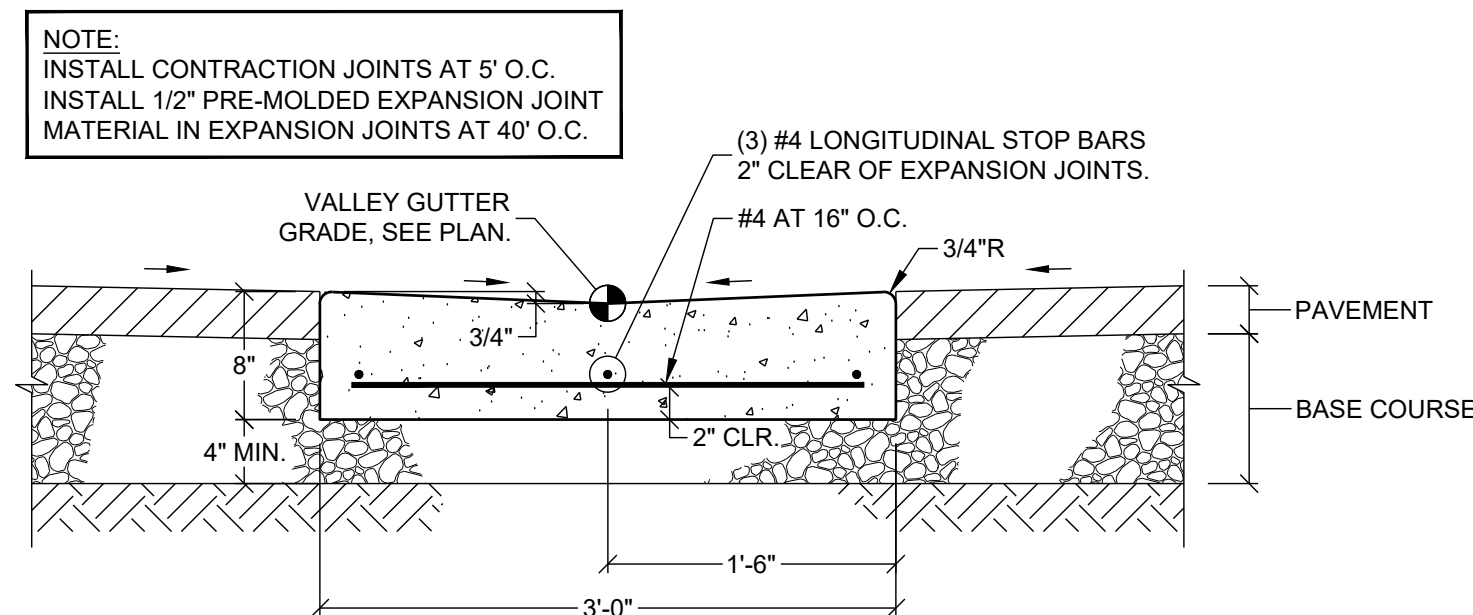
5
C-5.3
INTERIOR WALKWAY AND BARRIER RAIL
1" = 1'-0"



6
C-5.3
TYPICAL SIDEWALK
1" = 1'-0"

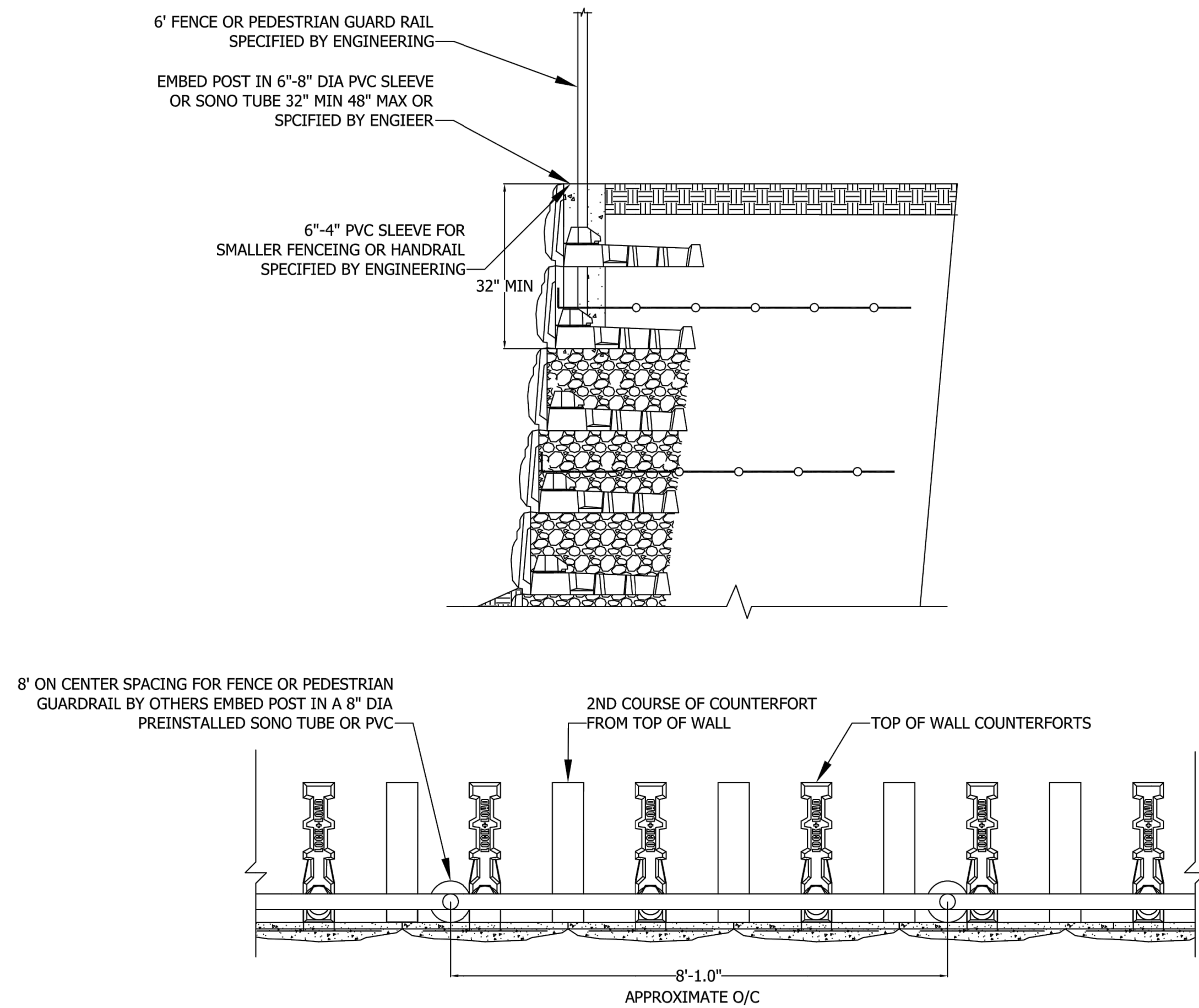



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C-5.3
ASPHALT SPEED BUMP
1 1/2" = 1'-0"

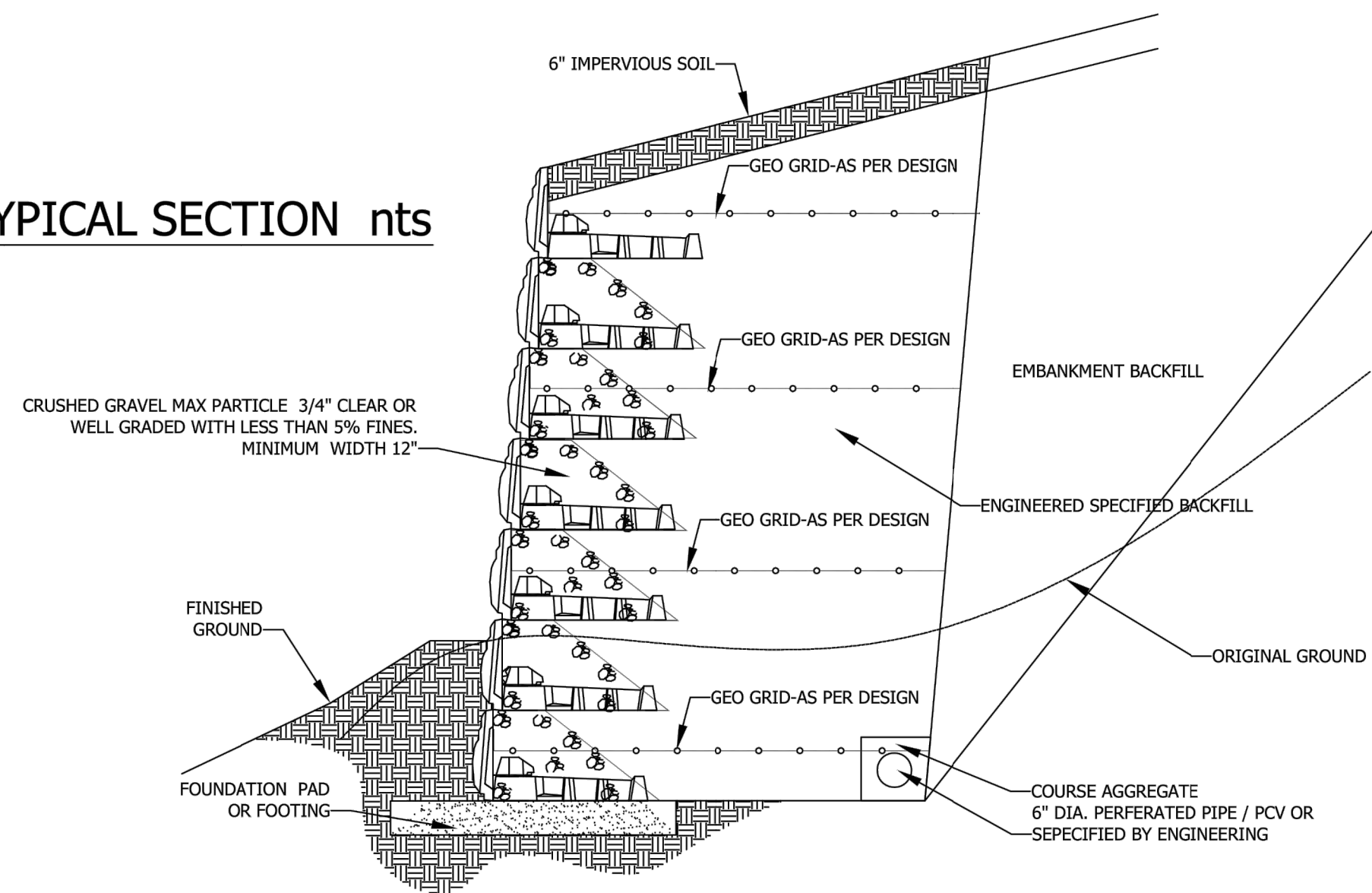



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CONCRETE VALLEY GUTTER
1" = 1'-0"

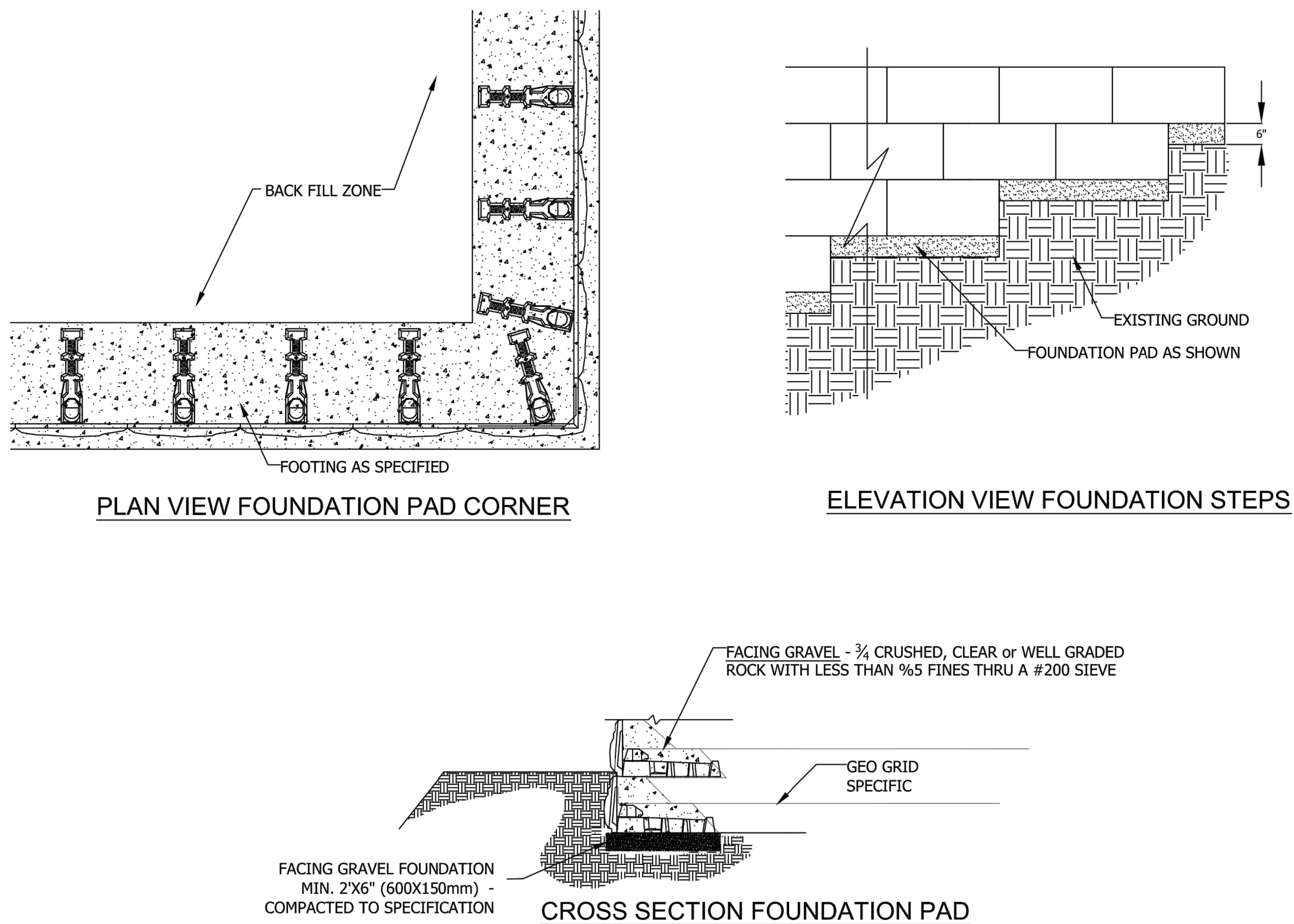
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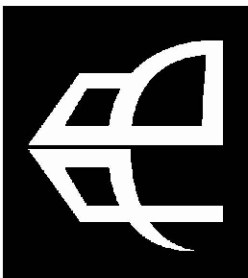
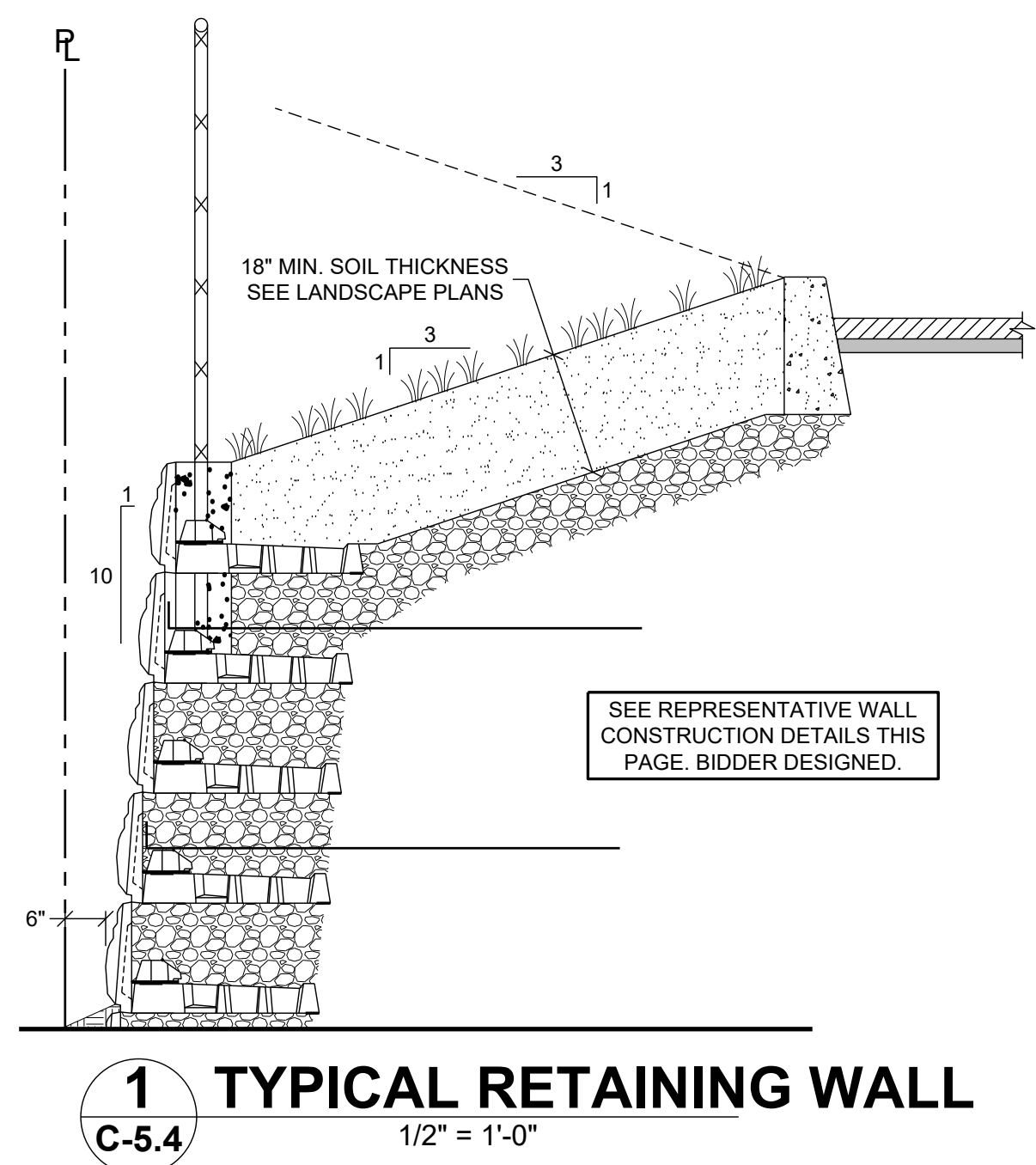
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<p style="text-align: center;">  LOCK + LOAD™ RETAINING WALL SYSTEMS 1681 CHESTNUT STREET, SUITE 406, VANDOVER, B.C. V6J 4G6 TEL(604) 523-0866 FAX (604) 527-0866 Web site: www.lock-load.com </p>					
PROJECT NAME			FENCE DETAIL		
PROJECT DATE			TYPICAL DETAILS		
PROJECT NO.					
DESIGN BY	CJA		EST. DATE	01/09/12	
DRAWN BY	RC/DA		PREPARED FOR		
PROJECT	N.T.S.		FOR OUR DRAINING NUMBER		
OUR COMPANY DRAWING			FENCE DETAIL		



REV	DESCRIPTION	DATE			
8					
<p align="center">  RETAINING WALL SYSTEMS </p> <p> 1811 CHESTNUT STREET, SUITE 400, VANCOUVER, B.C. V6J 4B6 TEL: (604) 734-0883 FAX: (604) 737-4440 Web Site: www.rock-load.com </p>					
<p align="center">TYPICAL SECTION</p>					
PROJECT NAME	<p> 10100 150th Ave. S.E. Delta, B.C. </p>				
DATE	<p>01/06/12</p>				
BY	<p>PREPARED FOR</p>				
<p> N.T.S. OUR PROJECT NUMBER </p>	<p> OUR DRAWING NUMBER TYPICAL SECTION </p>				



REV	DESCRIPTION		DATE		
0					
<div style="text-align: center;">  <p>LOCK + LOAD™</p> <p>RETAILING MILK SYSTEMS</p> <p>1681 CHESTNUT STREET, SUITE 405, VANCOUVER, B.C. V6J 4G6</p> <p>TEL: (604) 732-0888 FAX: (604) 732-0888</p> <p>Web site: www.lock-load.com</p> </div>					
FOUNDATION PAD					
PROJECT NAME: _____ DOW: _____ REGION: _____ CITY: _____ DISTRICT: _____ PROJECT: _____ N.T.S. OUR PROJECT NUMBER: _____					
			5" DIA/10" I/D PREPARED FOR OUR DRAINING NUMBER: _____ FOUNDATION PAD		



615 SE JACKSON STREET
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PAUL L BENTLEYArchitect A.I.A. P.C.

Locke CIVIL & STRUCTURAL
ENGINEERS

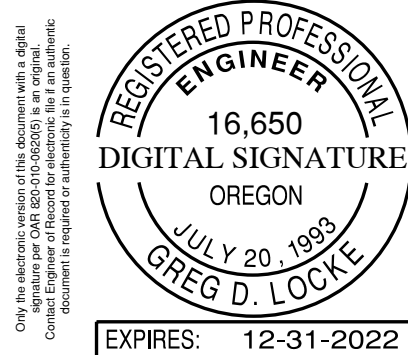
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A NEW PROJECT FOR SALEM-KEIZER SCHOOL DISTRICT @

HALLMAN

ELEMENTARY SCHOOL

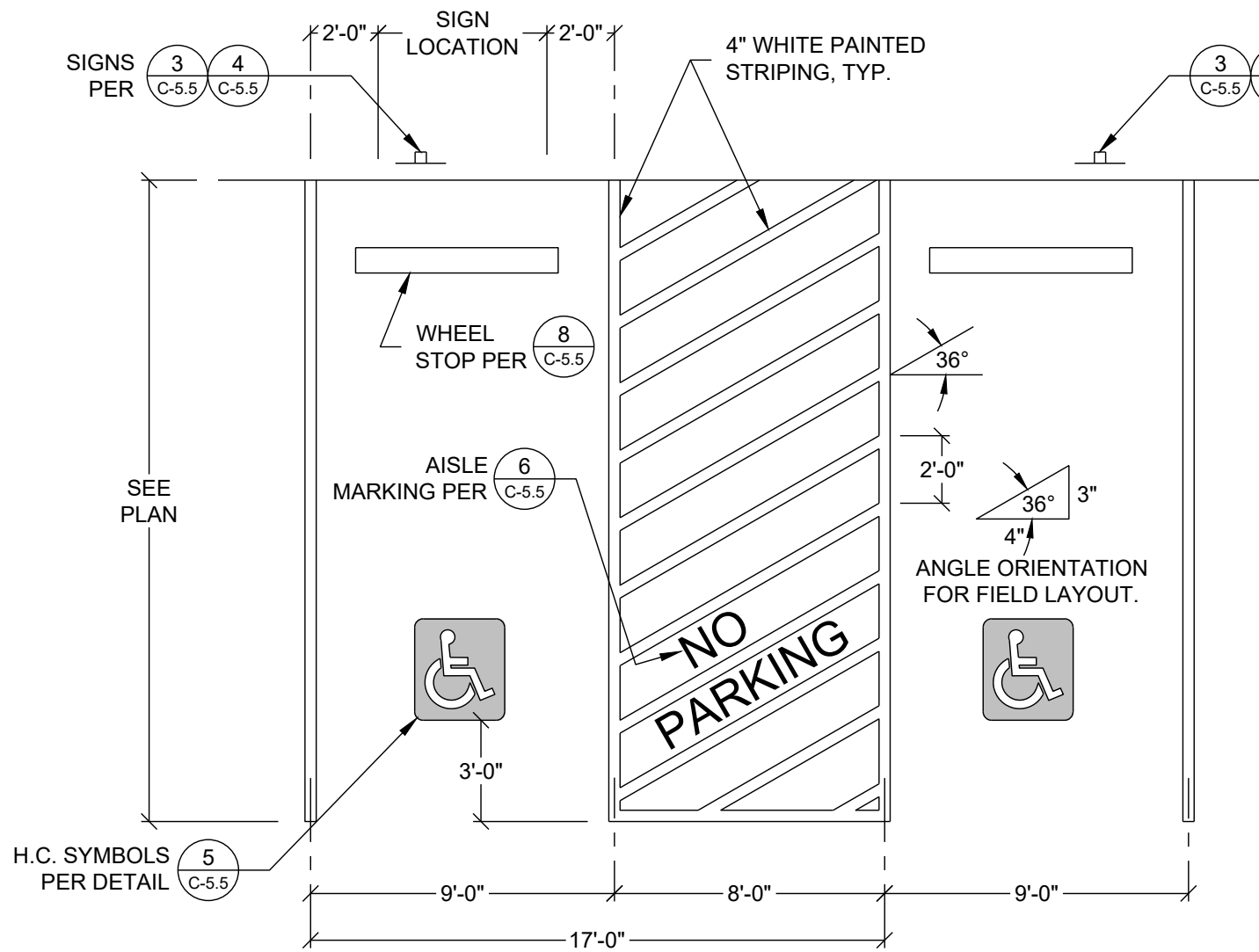
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SALEM, OR



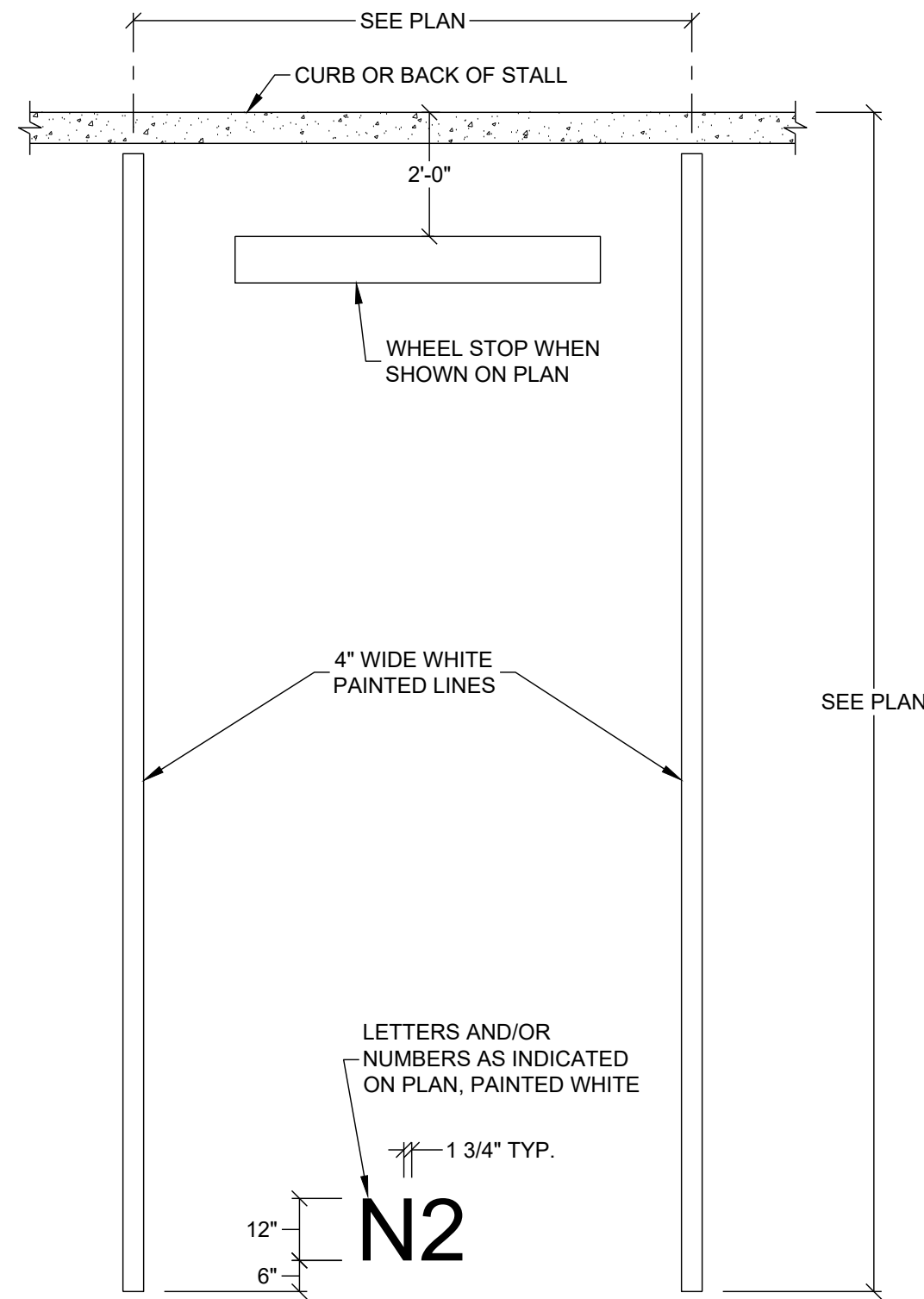
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CHECKED BY:	GL
DATE:	10/1/2021
TITLE:	CIVIL DETAILS
SCALE:	SEE SHEET

SHEET NO:
C-5.4
OF 26

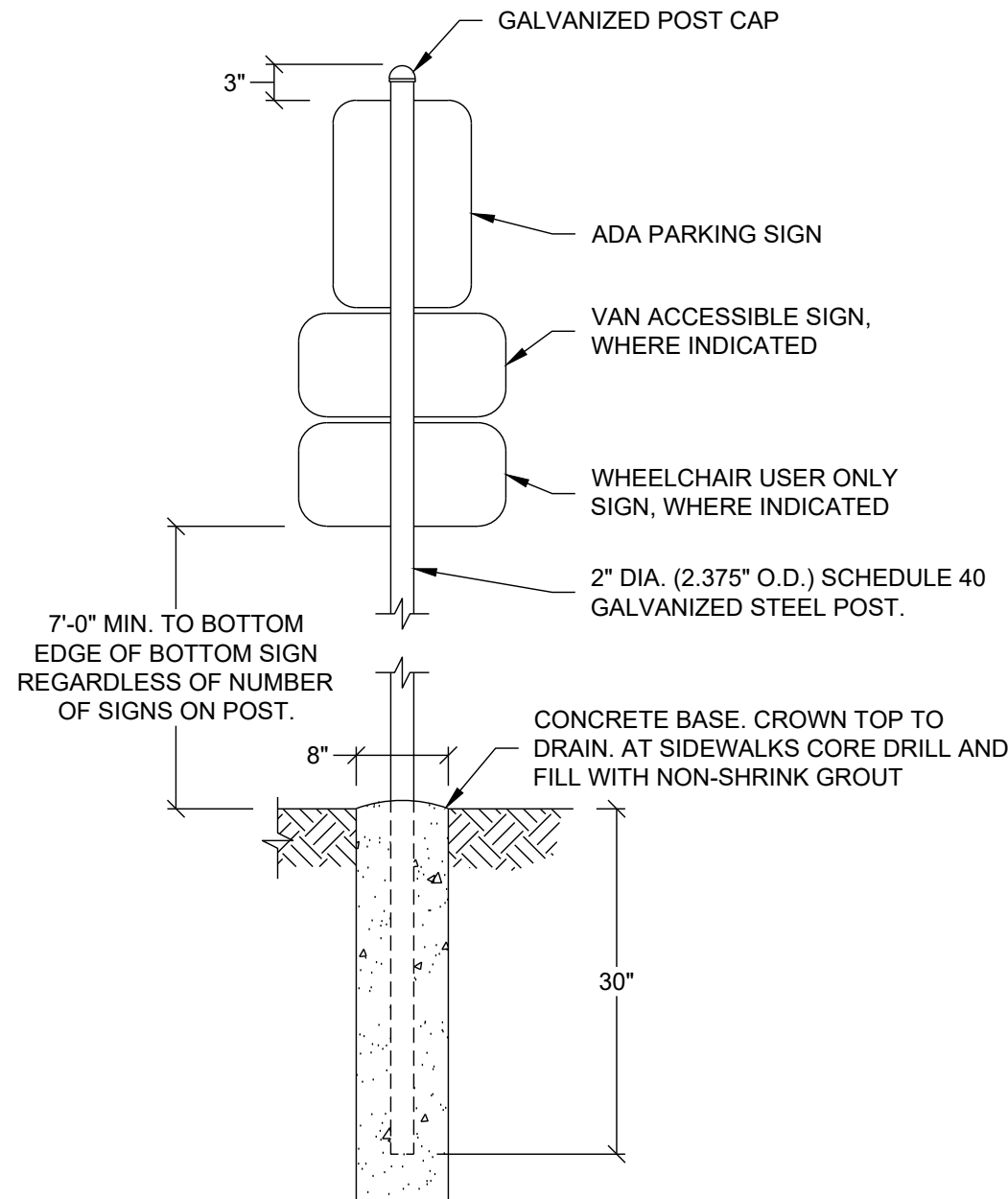
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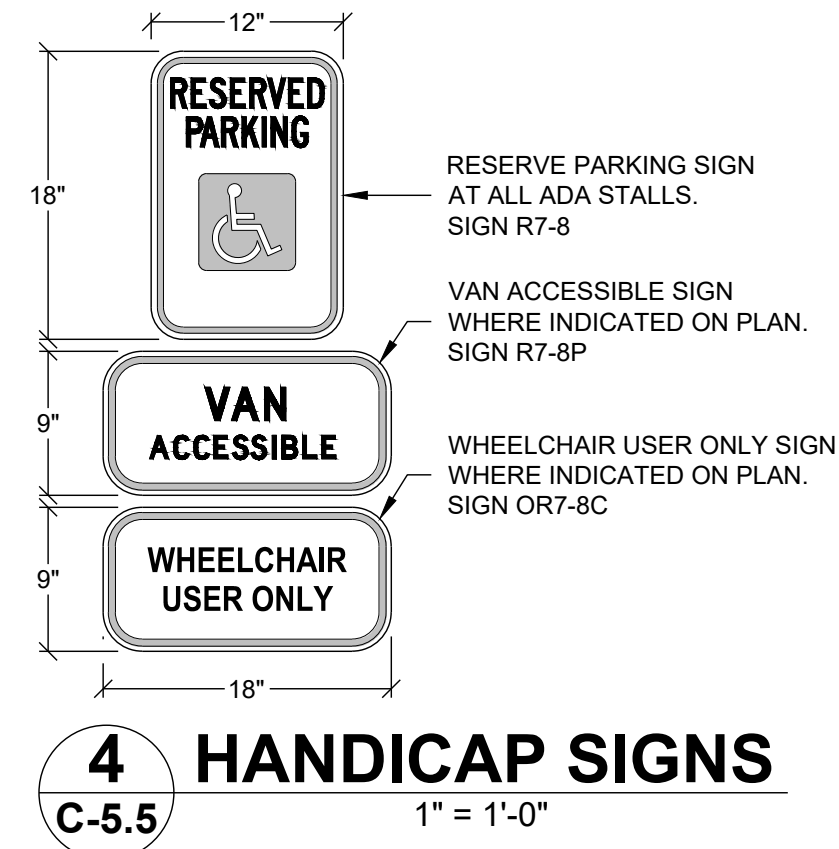
1 DOUBLE PARALLEL ACCESSIBLE STALL STRIPING
1" = 5'-0"



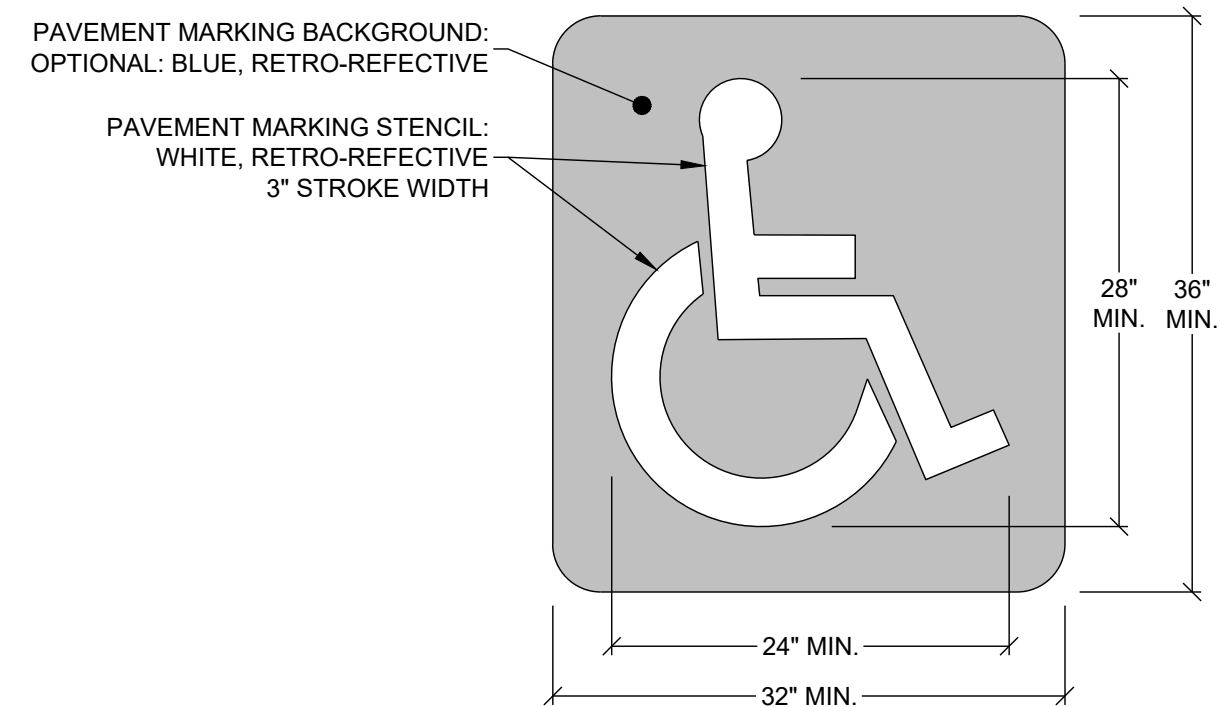
2 TYPICAL STALL MARKING
3/8" = 1'-0"



3 ADA SIGN POST
3/4" = 1'-0"

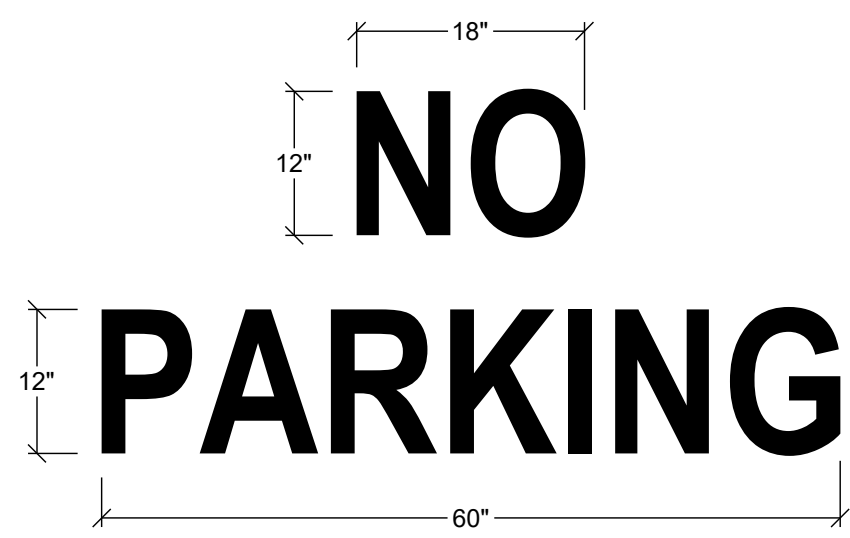
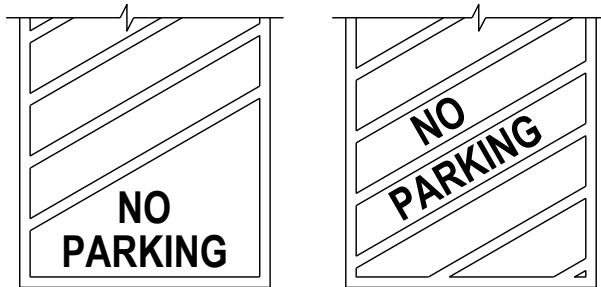


4 HANDICAP SIGNS
1" = 1'-0"



5 PAINTED HANDICAP SYMBOL
N.T.S. (PER OREGON TRANSPORTATION COMMISSION - STANDARDS FOR ACCESSIBLE PARKING PLACES)

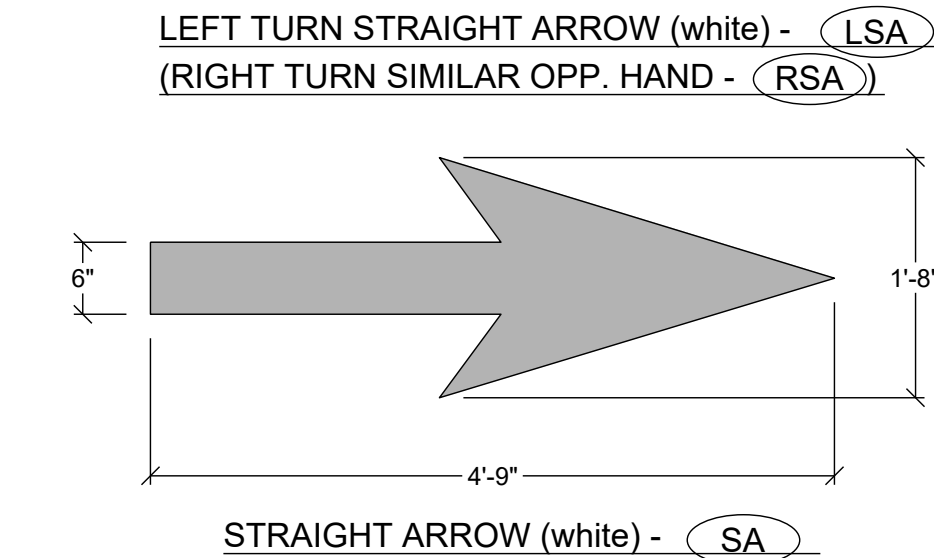
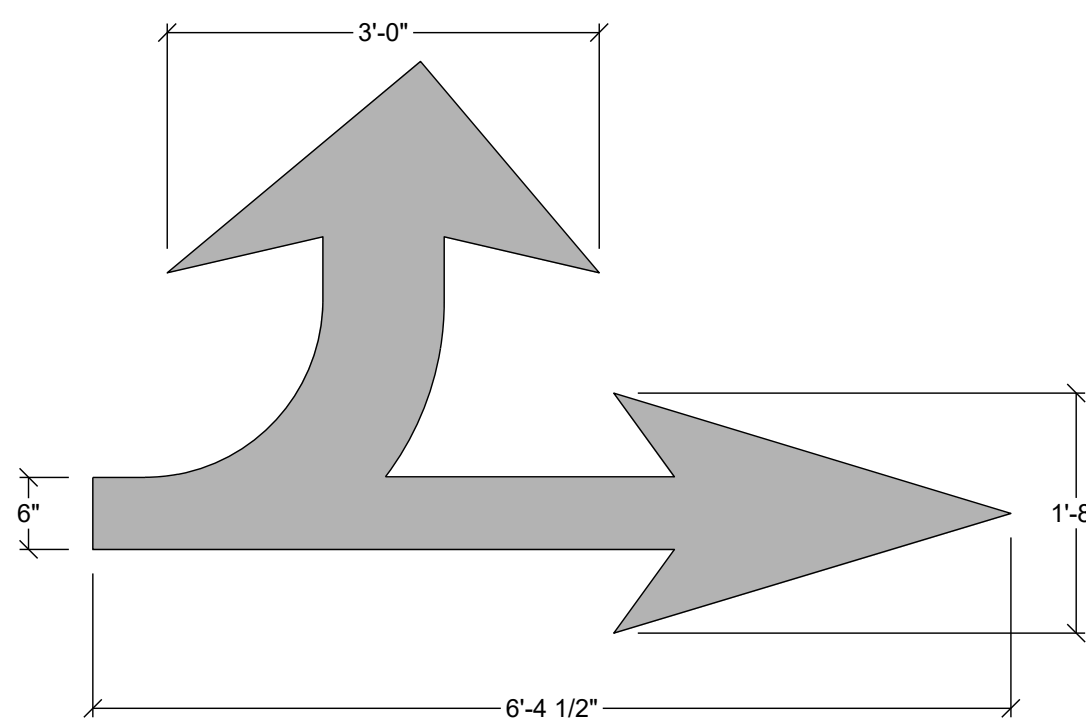
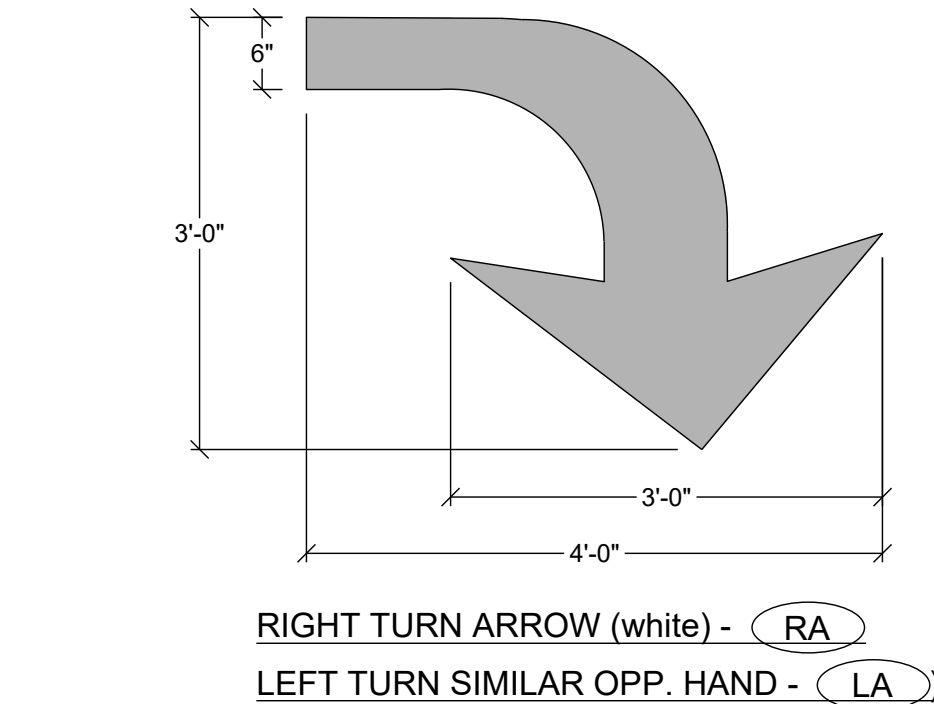
PAVEMENT MARKING LEGEND



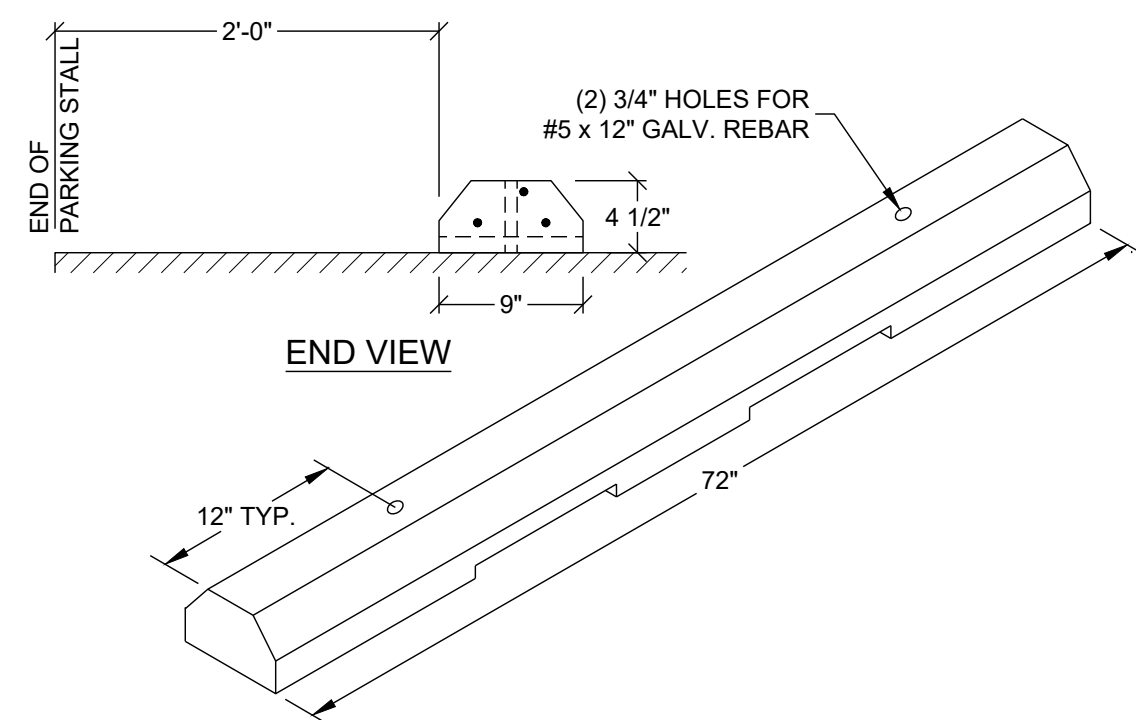
PAVEMENT MARKING LEGEND: WHITE OR YELLOW, RETROREFLECTIVE

THE "NO PARKING" PAVEMENT MARKING IS USED TO DESIGNATE AN ACCESS AISLE RESERVED FOR PERSONS USE WITH A DMV PERMIT. THIS MARKING SHALL BE REQUIRED FOR ALL ACCESS AISLES NEXT TO ACCESSABLE PARKING SPACES. ENGINEERING JUDGEMENT SHOULD BE USED FOR PLACEMENT LOCATION TO GIVE BEST VISUAL LOCATION TO PREVENT ILLEGAL USE OF ACCESS AISLE. YELLOW MAY BE USED INSTEAD OF WHITE TO INCREASE CONTRAST BETWEEN ACCESS AISLE WHITE LINES AND THE "NO PARKING" LEGEND.

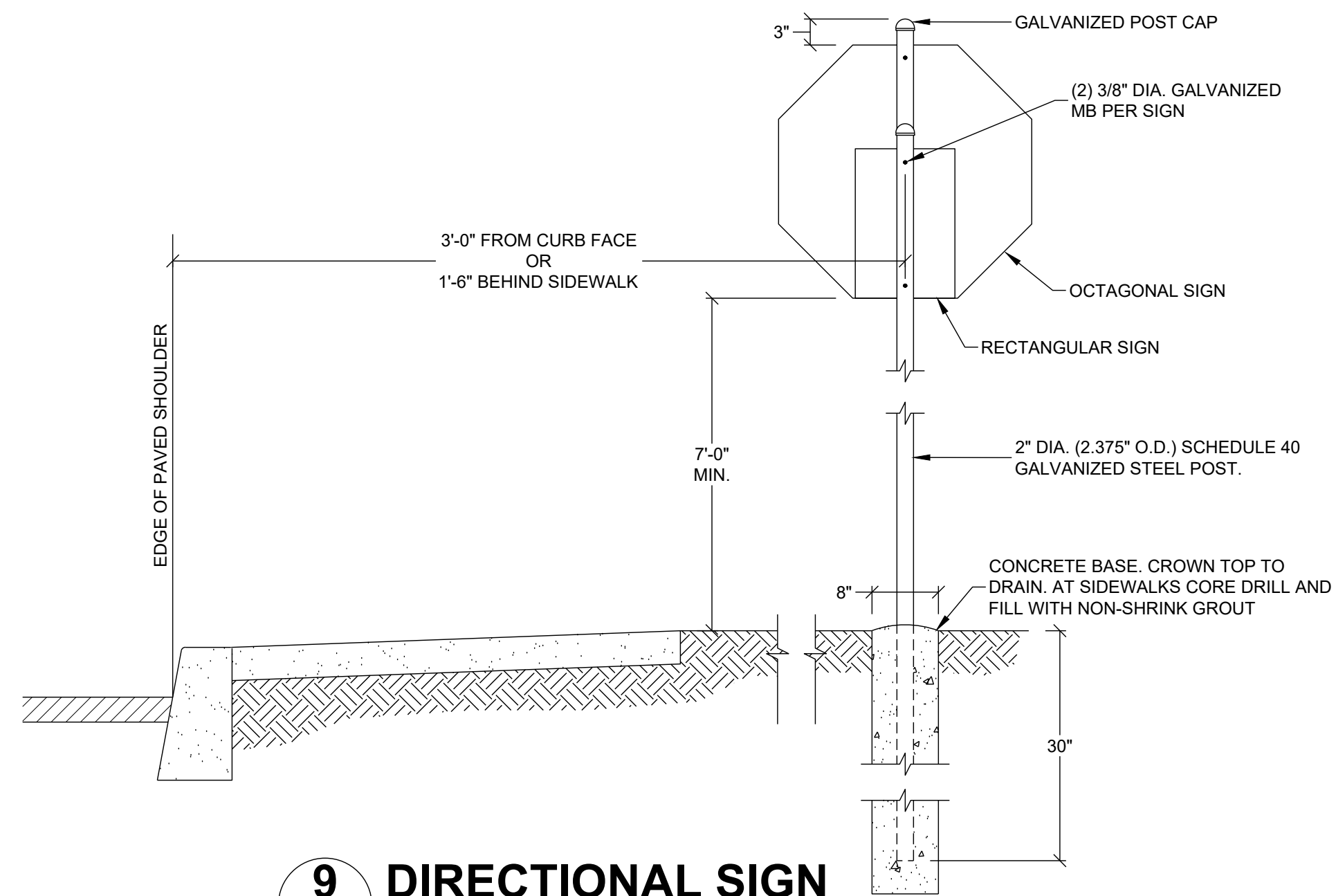
6 AISLE MARKING
N.T.S.



7 DIRECTIONAL ARROWS OREGON STANDARD DRAWINGS
N.T.S.



8 PRECAST CONCRETE WHEEL STOP
1" = 1'-0"



9 DIRECTIONAL SIGN
3/4" = 1'-0"



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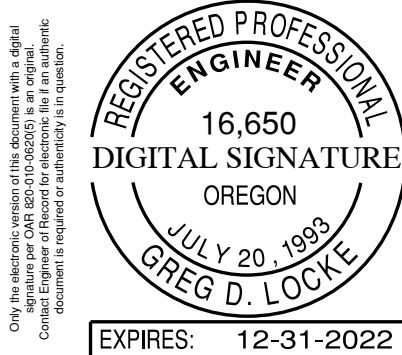
Locke ENGINEERS CIVIL & STRUCTURAL
289 E Ellendale Ave., Suite 703
Dallas, Oregon 97338
503.364.8207 LockeEngineers.com
J.O. 17061-5

PERMIT SET

A NEW PROJECT FOR SALEM-KEIZER SCHOOL DISTRICT @

HALLMAN ELEMENTARY SCHOOL

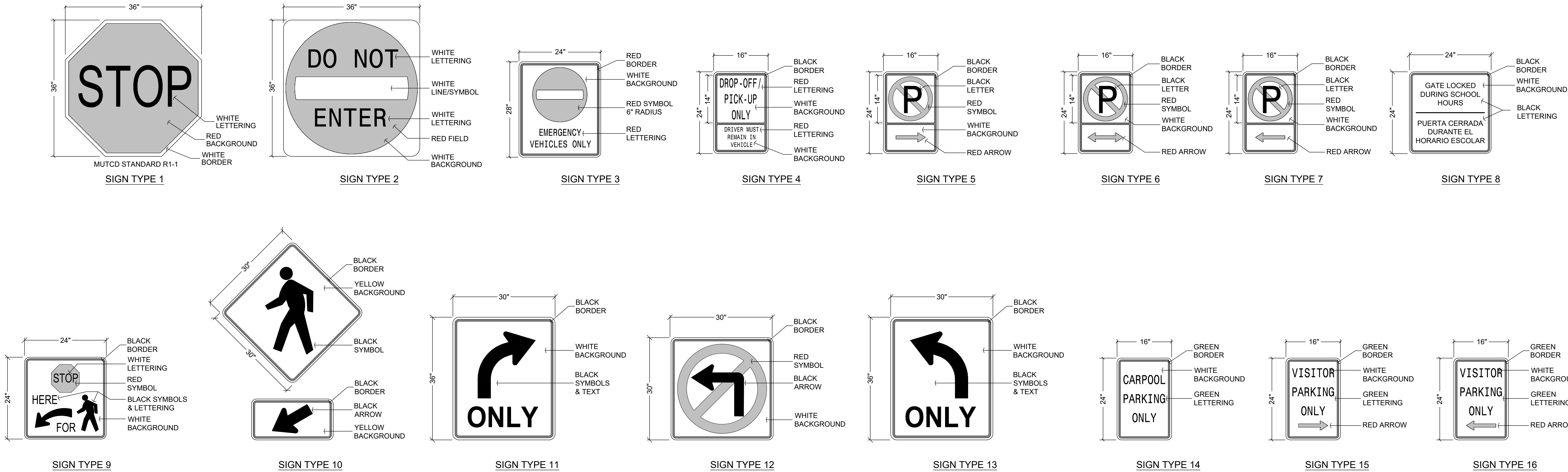
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TITLE:	CIVIL DETAILS
SCALE:	SEE SHEET

SHEET NO:	C-5.5
OF	26

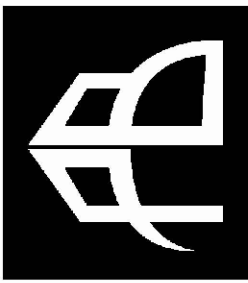
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SIGN TYPE DETAILS

3/4" = 1'-0"

03.14.2022 1:51 PM
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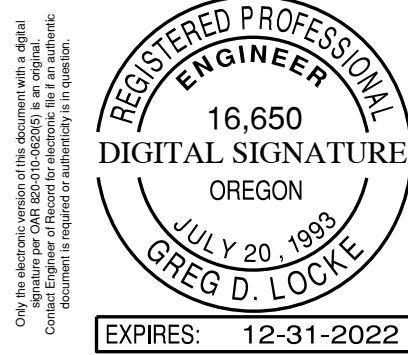
615 SE JACSEN STREET
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PAUL@PAULBENTLEYARCHITECT.COM

PAUL L BENTLEY Architect A.I.A. P.C.

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ENGINEERS
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Dallas, Oregon 97338
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J.O. 17061-5

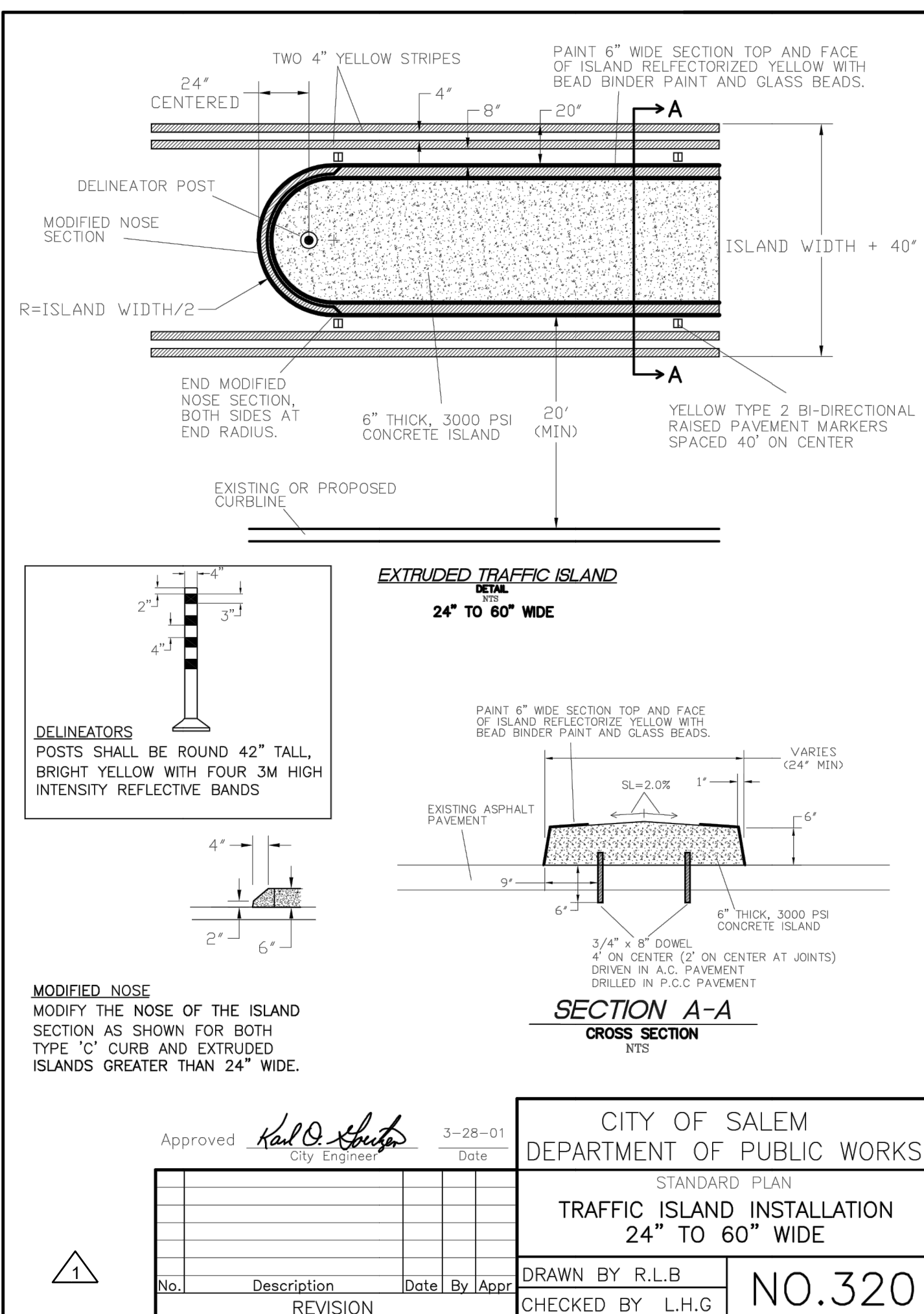
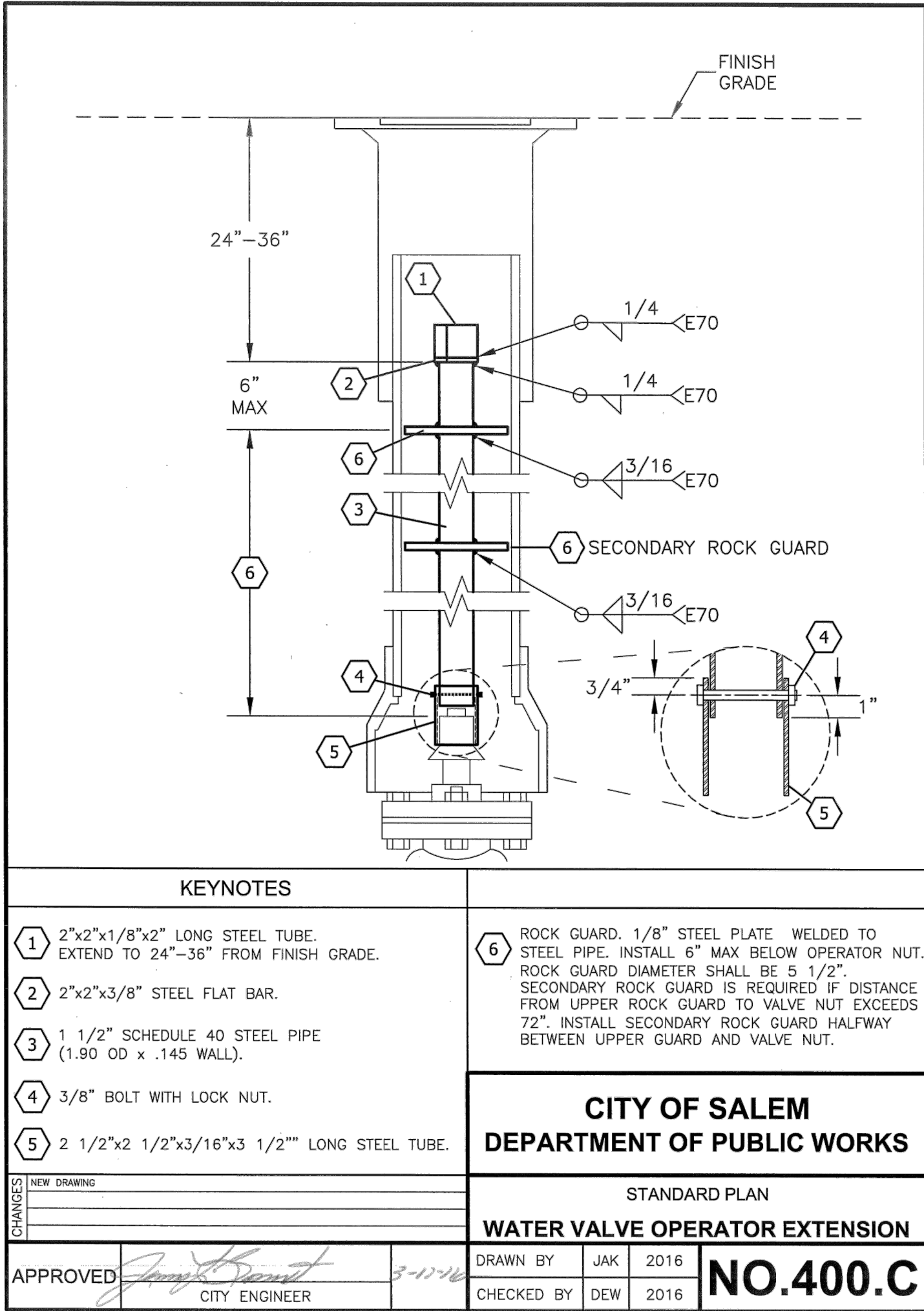
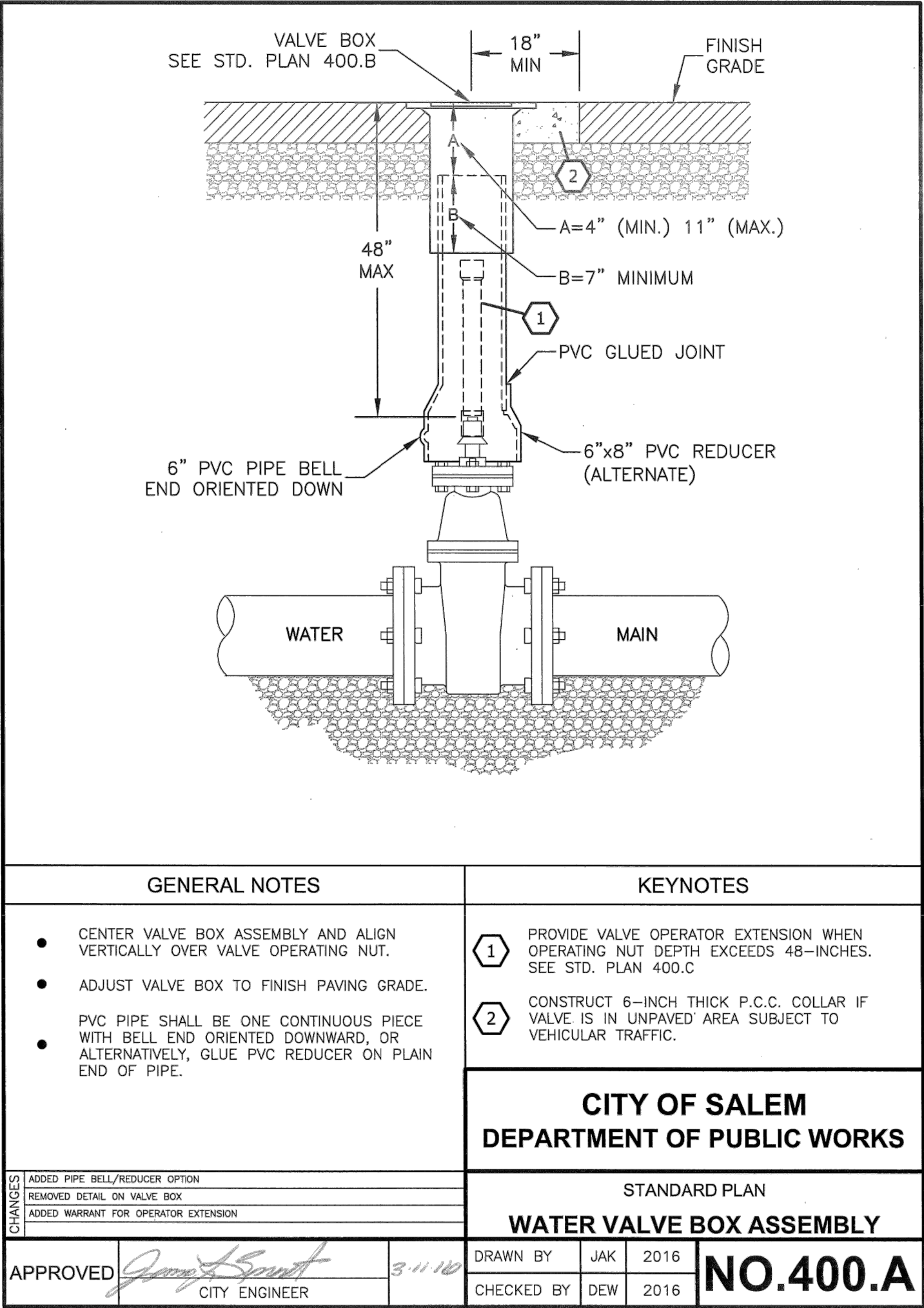
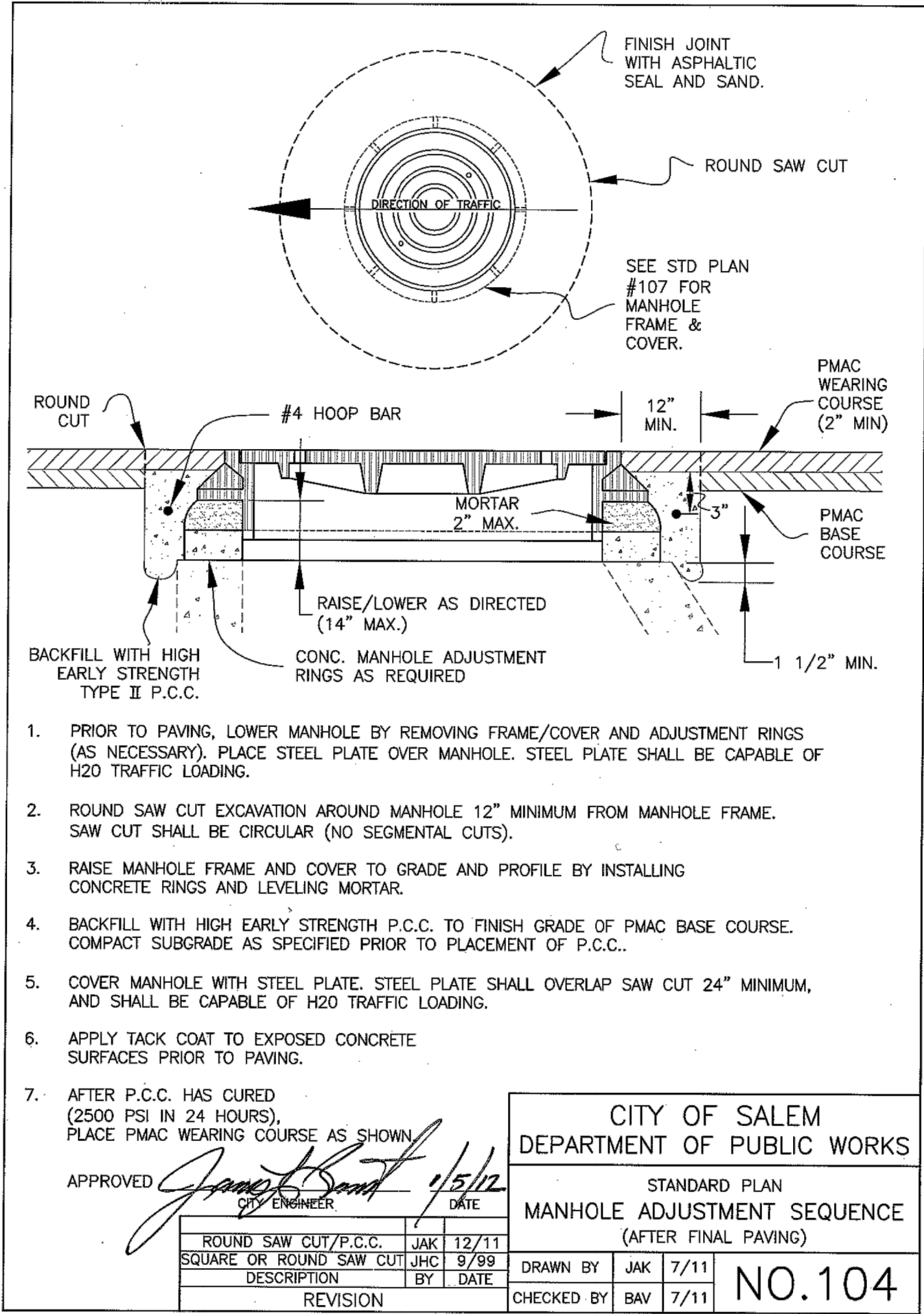
PERMIT SET

A NEW PROJECT FOR SALEM-KEIZER SCHOOL DISTRICT @
**HALLMAN
ELEMENTARY SCHOOL**
4000 DEERHAVEN DR. NE SALEM, OR



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TITLE:	CIVIL DETAILS
SCALE:	SEE SHEET

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OF	26



REV.	DATE	DESCRIPTION
1	03 DEC 2021	BUILDING CODE REVISIONS - 12.03.2021



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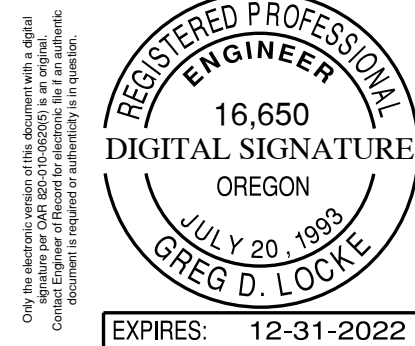
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J.O. 17061-S

PERMIT SET

A NEW PROJECT FOR SALEM-KEIZER SCHOOL DISTRICT @

HALLMAN
ELEMENTARY SCHOOL

SALEM, OR
4000 DEERHAVEN DR. NE



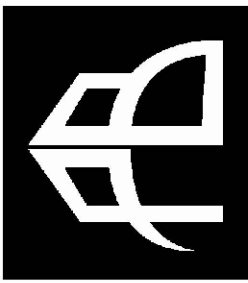
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SCALE:	SEE SHEET

SHEET NO:
C-6.1
OF 26

EROSION AND SEDIMENT CONTROL PLAN (ESCP)

HALLMAN ELEMENTARY SCHOOL

REV.	DATE	DESCRIPTION
6	04 FEB 2021	REVISIONS DUE TO DEQ COMMENTS



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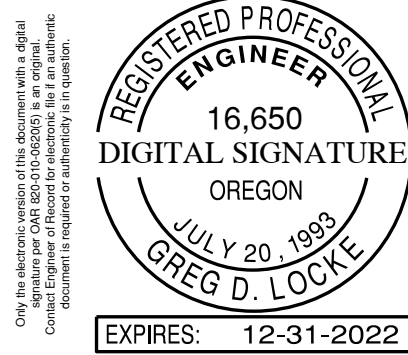
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J.O. 17061-S

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A NEW PROJECT FOR SALEM-KEIZER SCHOOL DISTRICT @

HALLMAN
ELEMENTARY SCHOOL

4000 DEERHAVEN DR. NE
SALEM, OR



DRAWN BY: SC

CHECKED BY: GL

DATE: 10/1/2021

TITLE: ECSP COVER PAGE

SCALE: SEE SHEET

SHEET NO:

EC-0.1

OF 26

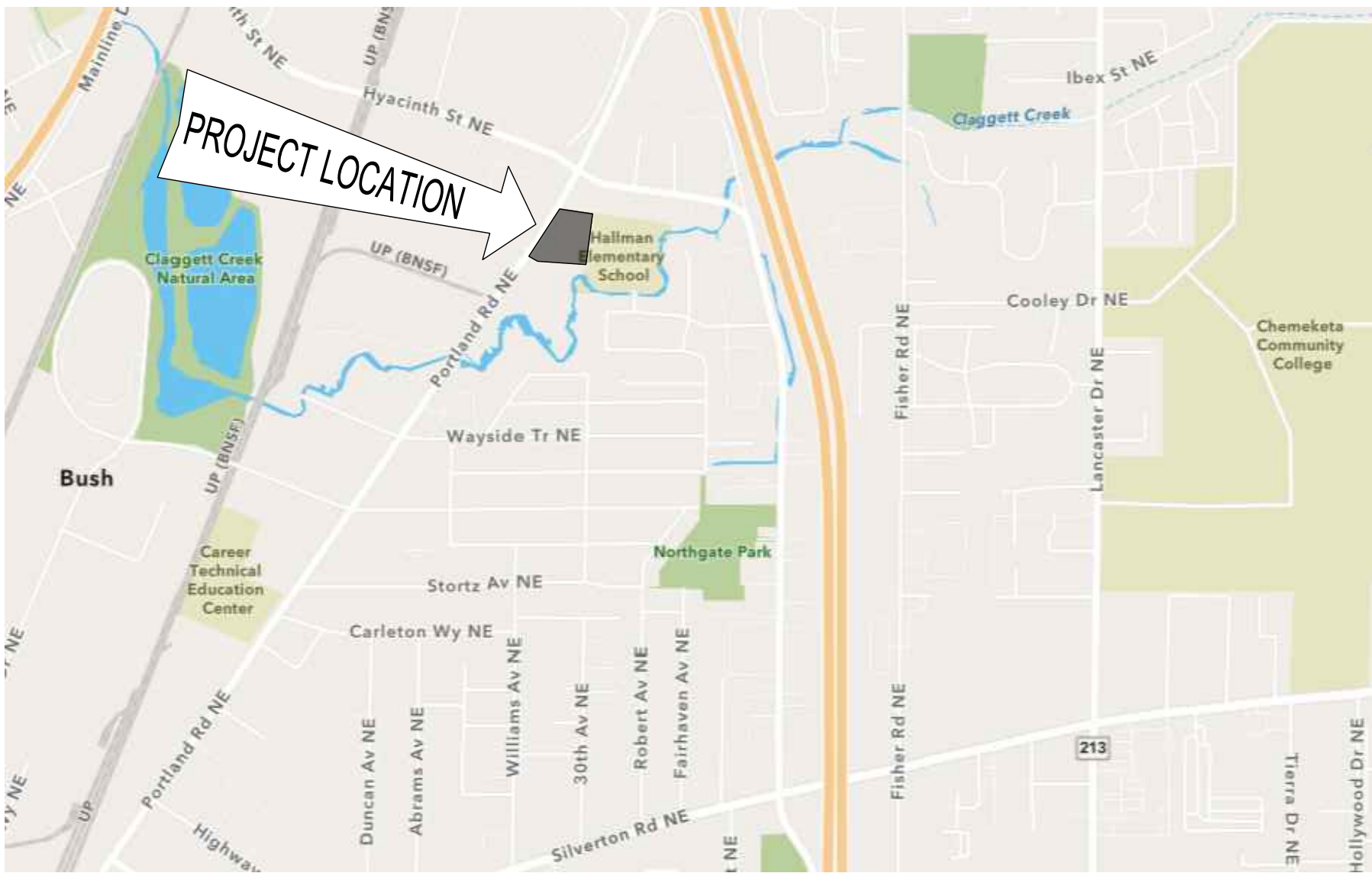
CIVIL LEGEND

SYMBOLS	PROPOSED	ABBREVIATIONS
DRAWING NAME	WATER METER	MATERIAL
SCALE	BACKFLOW ASSEMBLY VAULT	AC ASPHALTIC CONCRETE
NORTH ARROW	CATCH BASIN	DI DUCTILE IRON
SCALE BAR	SANITARY SEWER MANHOLE	PVC POLYVINYL CHLORIDE
KEYED CONSTRUCTION NOTE	STORM DRAIN MANHOLE	CHDPE HIGH DENSITY POLYETHYLENE
WORKPOINT	JUNCTION BOX	CDB CONTROLLED DENSITY BACKFILL
REVISION CLOUD & NUMBER	FIRE HYDRANT	C, CONC CONCRETE
PROPOSED UTILITY LINE	BLOW-OFF ASSEMBLY	CI CAST IRON
EXISTING UTILITY LINE	VALVE	GR GRAVEL
EXISTING UTILITY LINE TO BE REMOVED	THRUST BLOCK	RT REINFORCED TURF
FLOW DIRECTION	CLEAN OUT	UTILITY
PIPE DIAMETER	UTILITY POLE	SS SANITARY SEWER
UTILITY TYPE	UTILITY POLE GUY WIRE	SD STORM DRAIN
SLOPE	TRANSFORMER	JB JUNCTION BOX
MATERIAL	TELEPHONE PEDESTAL	CO CLEAN OUT
PROPERTY LINE	PROPOSED GRADE	GAS GAS
CENTER LINE	EXISTING GRADE	W WATER
EXISTING CONTOUR LINE	SIGN & POST	UPWR UNDER GROUND POWER
PROPOSED CONTOUR LINE	SLOPE ARROW FROM HIGH TO LOW	OH PWR OVER HEAD POWER
CONCRETE CURB	DITCH OR SWALE FLOW LINE	TEL TELECOMMUNICATIONS
PROPOSED FENCE	LANDSCAPING BY OTHERS	FS FIRE SERVICE
SEDIMENT FENCE	EXISTING ASPHALT PAVING	FDC FIRE DEPARTMENT CONNECTION
COMPOST FILTER BERM OR WATTLE	PROPOSED ASPHALT PAVING	FD FOOTING DRAIN
EASEMENT LINE	EXISTING CONCRETE PAVING	FO FIBER OPTICS
PROPOSED BUILDING	PROPOSED CONCRETE PAVING	OH OVERHEAD
EXISTING BUILDING	PROPOSED LANDSCAPE AREA	PWDS PUBLIC WORKS DESIGN STANDARDS
EXISTING BUILDING TO BE REMOVED	ORDINARY HIGH WATER MARK	UPC UNIFORM PLUMBING CODE
PROPOSED SIDEWALK	50' NATURAL BUFFER ZONE	FRAN FRANCHISE UTILITIES
POND FLOW LINE		GENERAL
		ASSY ASSEMBLY
		BO BLOW OFF
		CB CATCH BASIN
		CL CENTER LINE
		EP EDGE OF PAVEMENT
		ELEV ELEVATION
		EX EXISTING
		FF FINISH FLOOR
		FG FINISH GRADE
		HYD FIRE HYDRANT
		GV GATE VALVE
		INVERT
		MH MAN HOLE
		M METER, MAIN
		PP POWER POLE
		PL PROPERTY LINE
		ROW RIGHT-OF-WAY
		STD STANDARD
		SVC SERVICE
		TC TOP OF CURB
		TYP TYPICAL
		EG EDGE OF GRAVEL
		EC EDGE OF CONCRETE
		BFV BUTTERFLY VALVE
		PUE PUBLIC UTILITY EASEMENT
		TW TOP OF WALL
		G, GUT GUTTER
		(N) NEW
		DS DOWNSPOUT
		FD FLOOR DRAIN
		RB REMOVABLE BOLLARD

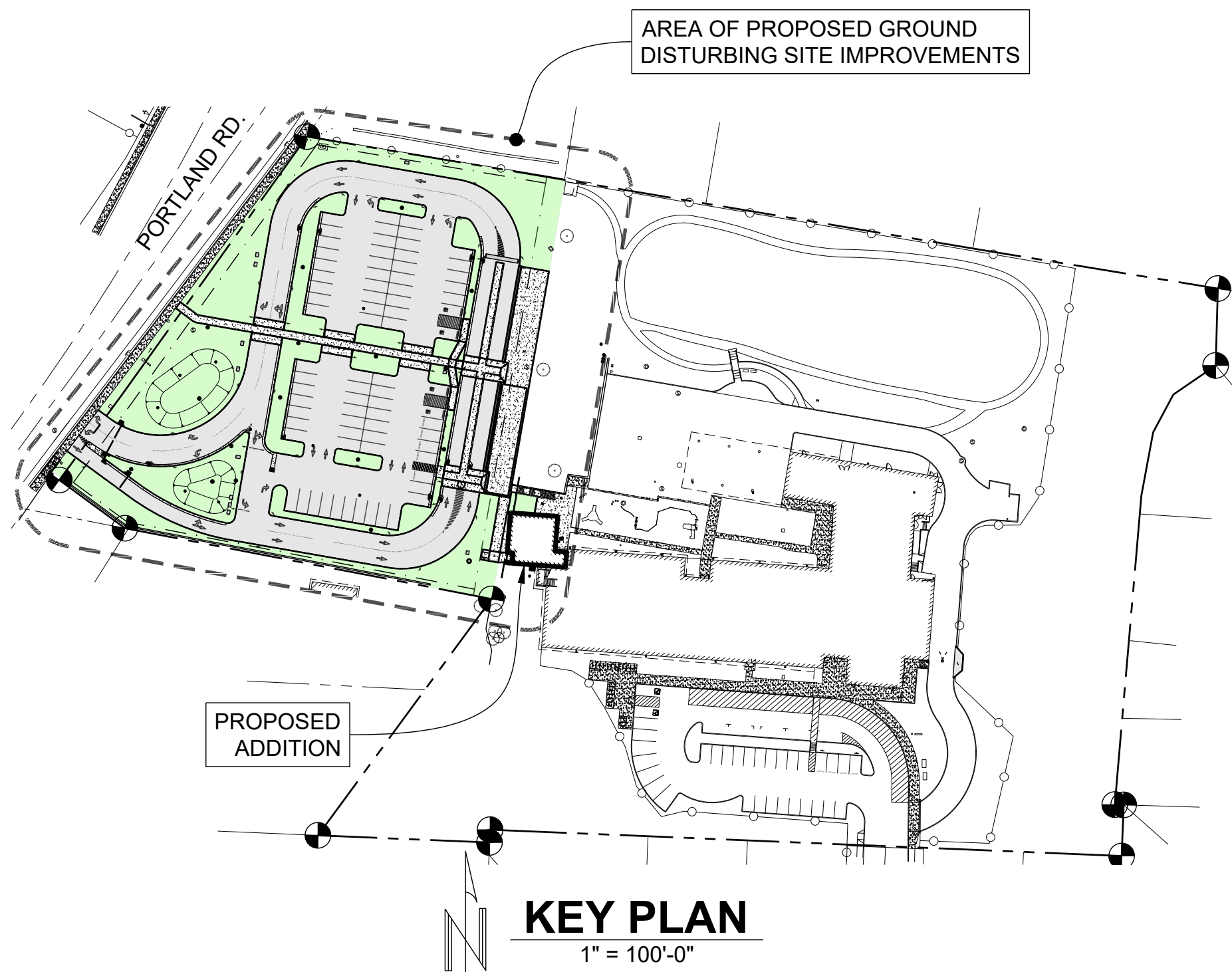
EXISTING CONDITIONS LEGEND

EXISTING	EXISTING	EXISTING
RIGHT-OF-WAY LINE	DECIDUOUS TREE	STORM DRAIN CLEAN OUT
BOUNDARY LINE	CONIFEROUS TREE	STORM DRAIN CATCH BASIN
PROPERTY LINE	FIRE HYDRANT	STORM DRAIN AREA DRAIN
CENTERLINE	WATER BLOWOFF	STORM DRAIN MANHOLE
DITCH	WATER METER	STORM DRAIN DOWNSPOUT
CURB	WATER VALVE	GAS METER
EDGE OF PAVEMENT	WATER VAULT	GAS VALVE
EASEMENT	WATER IRRIGATION VALVE	GUY WIRE ANCHOR
FENCE LINE	DOUBLE CHECK VALVE	UTILITY POLE
GRAVEL EDGE	AIR RELEASE VALVE	TRAFFIC SIGNAL POLE
POWER LINE	SANITARY SEWER CLEAN OUT	POWER VAULT
OVERHEAD WIRE	SANITARY SEWER MANHOLE	POWER JUNCTION BOX
COMMUNICATIONS LINE	SIGN	POWER PEDESTAL
FIBER OPTIC LINE	STREET LIGHT	COMMUNICATIONS VAULT
GAS LINE	MAILBOX	COMMUNICATIONS JUNCTION BOX
STORM DRAIN LINE		COMMUNICATIONS RISER
SANITARY SEWER LINE		
WATER LINE		

VICINITY MAP



KEY PLAN



CONTRACTOR'S EROSION CONTROL REQUIREMENTS

FOR ANY PROJECT THAT REQUIRES A 1200C PERMIT, AS PART OF THE CONTRACT BID THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING A CERTIFIED EROSION AND SEDIMENT CONTROL INSPECTOR FOR ALL 1200C INSPECTIONS, INSPECTION LOGS AND MAINTENANCE IN ACCORDANCE WITH DEQ 1200C PERMIT REQUIREMENTS. ALL DOCUMENTS REQUIRED BY DEQ TO FACILITY PERMIT TRANSFER TO THE GENERAL CONTRACTOR AND THEIR EROSION AND SEDIMENT CONTROL INSPECTOR MUST BE SUBMITTED AND APPROVED BY DEQ PRIOR TO THE CONSTRUCTION STARTING.

PRIOR TO ISSUANCE OF NOTICE TO PROCEED, CONTRACTOR SHALL:

1. PROVIDE THE NAME OF THEIR OWN CERTIFIED EROSION AND SEDIMENT CONTROL SITE INSPECTOR WHICH WILL REPLACE THAT CURRENTLY SHOWN ON THE PLANS,
2. PROVIDE A COMPLETED AND SIGNED DEQ 1200C PERMIT TRANSFER FORM NAMING CONTRACTOR AS LEGALLY RESPONSIBLE 1200C PERMITTEE.

PRIOR TO START OF ANY GROUND DISTURBING ACTIVITY, CONTRACTOR SHALL:

1. MEET ALL REQUIREMENTS OF THE APPROVED 1200C PERMIT,
2. PROVIDE ANY ADDITIONAL BMP'S RECOMMENDED OR DEEMED NECESSARY BY THEIR OWN CERTIFIED EROSION AND SEDIMENT CONTROL SITE INSPECTOR PRIOR.

DURING ENTIRE DURATION OF CONSTRUCTION, CONTRACTOR SHALL:

1. PROVIDE ONGOING MAINTENANCE OR ENHANCEMENTS OF THE BMP'S REQUIRED BY THEIR OWN CERTIFIED EROSION AND SEDIMENT CONTROL SITE INSPECTOR,
2. PERFORM INSPECTIONS AND PREPARE INSPECTION LOGS IN ACCORDANCE WITH DEQ 1200C PERMIT REQUIREMENTS.

PROJECT DATA

PROPERTY OWNER
SALEM-KEIZER PUBLIC SCHOOL
CONTACT: JOEL SMALLWOOD
MANAGER OF MAINTENANCE &
CONSTRUCTION SERVICES
PHONE: (503)-399-3095
EMAIL: SMALLWOOD_JOEL@SALKEIZ.K12.OR.US

ESCP PREPARER
LOCKE ENGINEERS, INC.
CONTACT: GREG LOCKE, PE, CESCL ID#: 81806
PRINCIPAL
PHONE: (503)-3364-8207
EMAIL: GREG@LOCKENGINEERS.COM

PROPERTY DESCRIPTION

TAX LOT 3200 (2.07 ACRES) - PROPOSED PARKING LOT SITE AND
TAX LOT 3201 (5.87 ACRES) - EXISTING SCHOOL SITE WITH PROPOSED ADDITION
WITHIN SECTION 12AC OF TOWNSHIP 7 SOUTH, RANGE 3 WEST
WILLAMETTE MERIDIAN, MARION COUNTY, OREGON
TOTAL SITE AREA = 7.94 ACRES
TOTAL DISTURBED AREA = 2.2 ACRES

JURISDICTION

CITY OF SALEM

SHEET INDEX

EROSION & SEDIMENT CONTROL PLANS (ESCP)

- EC-0.1 ECSP COVER PAGE
- EC-0.2 ECSP NOTES
- EC-1.1 ECSP EXISTING CONDITIONS
- EC-1.2 ECSP DEMO, CLEARING & MASS GRADING PHASE
- EC-1.3 ECSP PAVEMENT AND UTILITY PHASE
- EC-1.3.1 VERTICAL CONSTRUCTION PHASE
- EC-1.4 ECSP LANDSCAPING & FINAL STABILIZATION PHASE
- EC-5.1 ECSP DETAILS

ESCP NARRATIVE

EXISTING SITE CONDITIONS:

EXISTING ELEMENTARY SCHOOL ON THE EAST HALF OF THE SITE TO WHICH A SMALL CLASSROOM ADDITION WILL BE CONSTRUCTED.

UNDEVELOPED GROUND ON THE WEST HALF OF THE SITE UPON WHICH A NEW PARKING LOT WILL CONSTRUCTED.

PROPOSED CONDITIONS:

CONSTRUCTION OF A TWO STORY, TWO CLASSROOM ADDITION TO THE WEST END OF THE EXISTING SCHOOL BUILDING AND MINOR SITE IMPROVEMENTS DIRECTLY ADJACENT TO THE ADDITION INCLUDING STAIR ACCESS TO THE NEW PARKING LOT AND PERIMETER LANDSCAPING.

CONSTRUCTION OF A DRIVEWAY OFF AN EXISTING DRIVEWAY DROP WITH PERIMETER VEHICLE DRIVE LOOP AND A NEW PARKING LOT WITH FULL LANDSCAPE & IRRIGATION.

NATURE OF CONSTRUCTION ACTIVITY AND ESTIMATED TIMELINES:

SPRING 2022 - FALL 2022

MAJORITY OF SITE SOILS - 8" TO 10" OF TOPSOIL, UNDERLAIN BY 20" TO 40" OF UNDOCUMENTED SAND/GRAVEL FILL UNDERLAIN BY SILT WITH SAND NATIVE SOILS.

NON-STORMWATER DISCHARGES:

- WATER AND ASSOCIATED DISCHARGES FROM EMERGENCY FIREFIGHTING ACTIVITIES
- FIRE HYDRANT FLUSHING
- PROPERLY MANAGED LANDSCAPE IRRIGATION
- WATER USED TO WASH EQUIPMENT AND VEHICLES (EXCLUDING THE ENGINE, UNDERCARRIAGE, AND WHEELS/TIRES) PROVIDED THERE IS NO DISCHARGE OF SOAPS, SOLVENTS, OR DETERGENTS USED
- POTABLE WATER INCLUDING UNCONTAMINATED WATER LINE FLUSHINGS
- PAVEMENT WASH WATERS PROVIDED SPILLS OR LEAKS OF TOXIC OR HAZARDOUS SUBSTANCES HAVE NOT OCCURRED UNCONTAMINATED AIR CONDITION OR COMPRESSOR CONDENSATE
- FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS OR CONTAMINATED GROUNDWATER
- CONSTRUCTION DEWATERING ACTIVITIES (INCLUDING GROUNDWATER DEWATERING AND WELL DRILLING DISCHARGE ASSOCIATED WITH THE REGISTERED CONSTRUCTION ACTIVITY).

POLLUTANT GENERATING ACTIVITIES AND SPILL PREVENTION PROCEDURES:

WHENEVER POSSIBLE, POLLUTANTS USED AS PART OF CONSTRUCTION ACTIVITY WILL BE STORED OFFSITE. POLLUTANTS STORED ONSITE, INCLUDING BUT NOT LIMITED TO: SEDIMENT, FERTILIZERS, PESTICIDES, PAINTS, CAULKS, SEALANTS, FLUORESCENT LIGHT BALLASTS, CONTAMINATED SUBSTRATES, SOLVENTS AND FUELS SHALL BE LOCATED IN A DESIGNATED COVERED STORAGE CONTAINER. SEE PLANS FOR PRELIMINARY LOCATION.

IN THE EVENT OF SPILL OF A POLLUTANT, ALL SPILL PREVENTION CONTROLS AND PROCEDURES OF SECTION 2.3 SHALL BE FOLLOWED. THIS INCLUDES BUT IS NOT LIMITED TO MEETING THE EMERGENCY SPILL NOTIFICATION REQUIREMENTS OF SECTION 2.3.10, USE OF DRIP PANS IN OR AROUND VEHICLES PER SECTION 2.3.2, WASTE MANAGEMENT PROCEDURES OF SECTION 2.3.1 AND 2.3.4, AND THE LOCATION AND USE OF FERTILIZERS PER SECTION 2.3.5.

ADDITIONALLY, REQUIREMENTS OF DEQ STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTE #22, #25, AND #29 SHALL BE FOLLOWED.

RECEIVING BODY OF WATER - EXISTING PRIVATE STORM SEWER SYSTEM OUTLETING TO CLAGGETT CREEK ROUGHLY 80' TO THE SOUTH.

NATURAL BUFFER ZONE COMPLIANCE

NATURAL BUFFER ZONE COMPLIANCE HAS BEEN PROVIDED BY MAINTAINING A FULL 50' BUFFER ZONE BETWEEN BMP'S AND THE ORDINARY HIGH-WATER MARK OF WATERS OF THE STATE, MEETING COMPLIANCE ALTERNATIVE #1. THE ORDINARY HIGH-WATER MARK HAS BEEN ESTABLISHED BY OBSERVATION OF THE PHYSICAL CHARACTERISTICS SURROUNDING THE WATERS OF THE STATE AS OUTLINED IN SECTION B.1.3 OF APPENDIX B. FOR ADDITIONAL INFORMATION, SEE SHEET EC-1.2.

CLAGGETT CREEK IS NOT IDENTIFIED AS AN IMPAIRED WATERBODY IN THE MOST RECENTLY APPROVED OREGON 303(d) LIST.

PERMITTEE'S SITE INSPECTOR - GREG LOCKE, PE, CERTIFIED EROSION AND SEDIMENT CONTROL LEAD ID#: 81806, EXPIRES 8/2/2022

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INSPECTION FREQUENCY:		
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 AREA OF THE SITE WHERE THE STABILIZATION STEPS IN SECTION 2.2.20 HAVE BEEN COMPLETED TO TWICE PER MONTH FOR THE FIRST MONTH, NO LESS THAN 14 CALENDAR DAYS APART, THEN ONCE PER MONTH.	
3. PERIODS DURING WHICH THE SITE IS INACCESSIBLE DUE TO INCLEMENT WEATHER	IF SAFE, ACCESSIBLE AND PRACTICAL, INSPECTIONS MUST OCCUR DAILY AT A RELEVANT DISCHARGE POINT OR DOWNSTREAM LOCATION OF THE RECEIVING WATERBODY.	
4. PERIODS DURING WHICH CONSTRUCTION ACTIVITIES ARE SUSPENDED AND RUNOFF IS UNLIKELY DUE TO FROZEN CONDITIONS	VISUAL MONITORING INSPECTIONS MAY BE 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 MAY BE REDUCED TO ONCE A MONTH, IMMEDIATELY RESUME MONITORING UPON THAWING, OR WHEN WEATHER CONDITIONS MAKE DISCHARGES LIKELY.	

BMP MATRIX FOR CONSTRUCTION PHASE					
CONSTRUCTION PERIOD					
April 2022 through Sept 2022					
PHASE OF CONSTRUCTION					
BMP'S	CLEARING	MASS GRADING	PAVEMENT & UTILITY CONST.	VERTICAL CONST.	LANDSCAPE & FINAL STABILIZATION
RUNOFF CONTROLS					
New Outlet Protection			X		
Existing Inlet Protection	X	X	X		
Energy Dissipaters			X		
EROSION PREVENTION					
Dust Control	X	X			
Plastic Sheeting			X	X	
Preserve Existing Vegetation	X	X	X		
Protection of trees with construction fences	X	X			
Temporary Seeding and Planting		X	X		
Permanent Seeding and Planting					X
Mulching (compost or straw with tackifier)		X	X	X	
Compost Blankets		X	X		
Erosion Control Blankets and Geotextile Mats		X	X		
SEDIMENT CONTROL					
Gravel Construction Entrance	X	X	X		
New Inlet Protection	X	X	X		
Sediment Fencing (Perimeter)	X	X	X	X	
Sediment Fencing (Interior)			X		
Compost Berm/Compost Sock			X		
Fiber Rolls/Straw Wattles	X	X	X		
Rock Outlet Protection			X	X	
Sediment Trap		X	X		
POLLUTION PREVENTION					
Concrete Management			X	X	
Paving Operations Controls			X		
Dewatering and Ponded Water Management		X	X	X	
BMPs to Prevent Illicit Connection			X	X	
BMPs to Prevent Illegal Discharge		X	X		
A comprehensive list of available Best Management Practices (BMP) options based on DEQ's 1200-C Permit Application and ESCP Guidance Document 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 ESCP, an Action Plan will be submitted.					

DEQ STANDARD EROSION AND SEDIMENT CONTROL PLAN DRAWING NOTES:

- INCLUDE A LIST OF ALL PERSONNEL (BY NAME AND POSITION) THAT ARE RESPONSIBLE FOR THE DESIGN, INSTALLATION AND MAINTENANCE OF STORMWATER CONTROL MEASURES (E.G. ESCP DEVELOPER, BMP INSTALLER (SEE SECTION 4.10), AS WELL AS THEIR INDIVIDUAL RESPONSIBILITIES. (SECTION 4.4.C.II)
- VISUAL MONITORING INSPECTION REPORTS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. (SECTION 6.5)
- INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SECTION 6.5.O)
- RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. (SECTION 4.7)
- THE PERMIT REGISTRANT MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. (SECTIONS 4 AND 4.11)
- THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SECTION 4.8)
- SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS ONLY UNDER SPECIFIC CONDITIONS. SUBMIT ALL NECESSARY REVISION TO DEQ OR AGENT WITHIN 10 DAYS. (SECTION 4.9)
- SEQUENCE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (SECTION 2.2.2)
- CREATE SMOOTH SURFACES BETWEEN SOIL SURFACE AND EROSION AND SEDIMENT CONTROLS TO PREVENT STORMWATER FROM BYPASSING CONTROLS AND PONDING. (SECTION 2.2.3)
- IDENTIFY, MARK, AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPORTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., WETLANDS), AND OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERIMETER AREAS. (SECTION 2.2.1)
- PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED. (SECTION 2.2.5)
- MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FEET OF WATERS OF THE STATE. (SECTION 2.2.4)
- INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE. (SECTIONS 2.1.3)
- CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME, TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND STREAMBANKS. (SECTIONS 2.1.1. AND 2.2.16)
- CONTROL SEDIMENT AS NEEDED ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL STORM DRAIN INLETS AT ALL TIMES DURING CONSTRUCTION, BOTH INTERNALLY AND AT THE SITE BOUNDARY. (SECTIONS 2.2.6 AND 2.2.13)
- ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK. (SECTION 2.2.14)
- APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATIONS MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS (SECTIONS 2.2.20 AND 2.2.21)
- ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SECTION 2.3.7)
- KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE BUSINESS DAY FOR THOSE CONTAINERS THAT ARE ACTIVELY USED THROUGHOUT THE DAY. FOR WASTE CONTAINERS THAT DO NOT HAVE LIDS, PROVIDE EITHER (1) COVER (E.G., A TARP, PLASTIC SHEETING, TEMPORARY ROOF) TO PREVENT EXPOSURE OF WASTES TO PRECIPITATION, OR (2) A SIMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS (E.G., SECONDARY CONTAINMENT). (SECTION 2.3.7)
- PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPs SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMPs MUST BE IN PLACE PRIOR TO LAND- DISTURBING ACTIVITIES. (SECTION 2.2.7)
- WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SECTION 2.2.7.F)
- CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS. (SECTIONS 1.5 AND 2.3.9)
- ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES ARE NOT OCCURRING ARE NOT DISTURBED. (SECTION 2.2.10)
- PREVENT SOIL COMPACTION IN AREAS WHERE POST-CONSTRUCTION INFILTRATION FACILITIES ARE TO BE INSTALLED. (SECTION 2.2.12)
- USE BMPs TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS; VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES; AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL, HYDRAULIC FLUID, AND OTHER OILS FROM VEHICLES AND MACHINERY, AS WELL AS DEBRIS, FERTILIZER, PESTICIDES AND HERBICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. (SECTIONS 2.2.15 AND 2.3)
- PROVIDE PLANS FOR SEDIMENTATION BASINS THAT HAVE BEEN DESIGNED PER SECTION 2.2.17 AND STAMPED BY AN OREGON PROFESSIONAL ENGINEER. (SEE SECTION 2.2.17.A)
- IF ENGINEERED SOILS ARE USED ON SITE, A SEDIMENTATION BASIN/IMPOUNDMENT MUST BE INSTALLED. (SEE SECTIONS 2.2.17 AND 2.2.18)
- PROVIDE A DEWATERING PLAN FOR ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES. (SEE SECTION 2.4)
- IMPLEMENT THE FOLLOWING BMPs WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES, REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES. (SECTION 2.3)
- USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SECTION 2.2.9)
- THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME-RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE. (SECTION 2.3.5)

CITY OF SALEM STANDARD EROSION AND SEDIMENT CONTROL NOTES

(Per City of Salem Department of Public Works Administrative Rules 7A.1--Standard Notes)

(a) Pre-Construction

- Prior to any land disturbing activities, the boundaries of the clearing and grading limits, vegetated buffers, and any sensitive areas shown on this plan shall be clearly delineated in the field. Unless otherwise approved, no disturbance is permitted beyond the clearing limits. The Contractor must maintain the delineation for the duration of the project. Note: vegetated corridors to be delineated with orange construction fence or approved equal.
- BMPs that must be installed prior to land disturbing activities are construction entrance, perimeter sediment control, and inlet protection.
- Hold a pre-construction conference to review the EPSCP and with the City's Project Manager and Inspector.

(a) Construction

- All sediment is required to stay on site. Sediment amounts greater than 1/2 cubic foot which leave the site must be cleaned up within 24 hours and placed back on the site and stabilized or properly disposed. Vacuuming or dry sweeping must be used to clean up released sediment and it must not be swept or washed into storm sewers, drainage ways, or water bodies. The cause of the sediment release must be found and prevented from causing a recurrence of the discharge within the same 24 hours. Any in-stream clean up of sediment shall be performed according to the DSL required time frame.
- Construction, maintenance, replacement, and upgrading of erosion prevention and sediment control facilities is the sole responsibility of the Contractor until all construction is completed, approved, and permanent erosion control (i.e., vegetation/landscaping) is established on all disturbed areas.
- All recommended erosion prevention and sediment control procedures are dependent on construction methods, staging, site conditions, weather, and scheduling. During the construction period, erosion control facilities shall be revised, upgraded, replaced, or added, to comply with SRC and State and Federal regulatory requirements.
- The Contractor is solely responsible for protection of all adjacent property and downstream facilities from erosion and siltation during project construction. Any damage resulting from such erosion and siltation shall be corrected at the sole expense of the Contractor.
- When saturated soil is present, water-tight trucks must be used to transport saturated soils from the construction site. Soil may be drained on site at a designated location, using appropriate BMPs. Soil must be drained sufficiently to drip less than one gallon per hour prior to leaving the site.
- All materials spilled, dropped, or washed into storm drains must be removed immediately, and the Contractor shall provide protection of downstream inlets and catch basins to ensure sediment-laden water does not enter the storm drain system.
- All discharge of sediment-laden water must be treated with an appropriate BMP to remove sediment from discharge waters and to comply with SRC and State and Federal Regulatory Permits.
- In areas subject to wind erosion, appropriate BMPs must be used which may include the application of fine water spraying, plastic sheeting, mulching, or other approved measures.
- The EPSC measures and BMPs shown on this plan are the minimum requirements for anticipated site conditions. During the construction period, these measures shall be upgraded as needed to maintain compliance with all regulations.
- The contractor shall provide onsite water or other appropriate BMPs to prevent dust and wind erosion of fine grain soils.
- Disturbed areas must be stabilized after 14 days of inactivity, or immediately if rain is forecasted. See Subsection 7A.1.(d)—Wet Weather Period.
- During the wet weather work period or when rain is forecasted, all active and inactive soil stock piles must be covered with appropriate plastic sheeting. Plastic sheeting must cover the entire stock pile and be sufficiently anchored.

(a) Pollutants, Solid Waste and Hazardous Materials Management

- Any use of toxic or other hazardous materials must include proper storage, application, and disposal.
- The contractor is solely responsible to properly manage pollutants, hazardous wastes, used oils, contaminated soils, concrete waste, sanitary waste, liquid waste, or other toxic substances discovered or generated during construction to prevent leakage, spills or release of pollutants to the environment and surface waters.
- Contractor shall develop a project specific written spill prevention and response procedures that includes employee training on spill prevention and proper disposal procedures; regular maintenance schedule for vehicles and machinery; and material delivery and storage controls, signage, material use, and use of covered storage areas for waste and supplies. The plan shall comply with SRC and Federal and State requirements, and shall be available on site at all times.

(a) Wet Weather Period (October 15 through April 30)

- Construction activities must avoid or minimize the duration of disturbed areas.
- Temporary stabilization of the site including covering of bare soils with approved BMPs, must be installed at the end of the shift before a holiday or weekend, or at the end of each workday if rainfall is forecast in the next 24 hours.
- Temporary stabilization or covering of soil stockpiles and protection of stockpiles located away from construction activity must occur at the end of each workday.

(a) Maintenance

- Erosion control measures shall be maintained in such a manner as to ensure that erosion is prevented and sediment-laden water does not enter a drainage system, roadway, or violate applicable water quality standards.
- Sediment shall not be washed or swept into storm sewers, drainage ways, or water bodies.
- Sediment must be removed from behind all sediment control measures when it has reached a height of 1/2 the barrier height, and prior to the control measures removal.
- Removal of trapped sediment in a sediment basin or sediment trap or catch basins must occur when the sediment retention capacity has been reduced by 50 percent; is not functioning properly and/or at the completion of project.
- Cleaning of all structures, inlet protection BMPs, and sump pumps must be completed regularly and as required to ensure structures and inlets function properly and flow freely.
- Construction site exits shall be maintained in a condition that will prevent tracking or flow of mud onto the ROW or approved access point. The entrance may require periodic top dressing as conditions demand, and repair and/or cleanout of any structures used to trap sediment. Wheel washing shall be required to prevent sediment and material tracking on road surfaces if passive BMPs are not effective.

(a) Inspection

- The EPSCP must be kept onsite at all times. All measures shown on the plan must be installed properly to ensure compliance with SRC and State and Regulatory permits, and that sediment does not enter a surface water system, roadway, or other properties.
- Written EPSC inspection logs shall be maintained onsite and available to City inspectors upon request.
- All BMPs shall be inspected at least every week. When a rainfall event exceeds 1/2" in a 24-hour period, daily inspection of the erosion controls, sediment controls, and discharge outfalls must be conducted and documented. Inspections shall be done by a representative of the permit registrant who is knowledgeable and experienced in the principles, practices, installation, and maintenance of erosion and sediment controls.

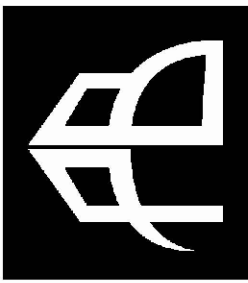
(a) Inactive Construction Periods and Post-Construction

- Should work cease in any area for 14 days, the inactive area must be stabilized with appropriate soil stabilization BMPs. If all construction activity ceases the entire site must be temporarily stabilized using vegetation, heavy mulch layer, temporary seeding, or other method.
- All temporary erosion prevention and sediment control facilities shall be removed by the contractor within 30 days after permanent landscaping/vegetation is established and the threat of erosion and sediment transport has been mitigated.
- Temporary grass cover measures must be fully established by October 15 or other cover measures (i.e., erosion control blankets with anchors, one-inch of straw mulch, six mil HDPE plastic sheet, etc.) shall be in place over all disturbed soil areas until April 30. To establish an adequate grass stand for controlling erosion by October 15, it is recommended that seeding and mulching occur by September 1.
- Permanent erosion control vegetation on all embankments and disturbed areas shall be re-established as soon as construction is completed.

(a) Specifications

- Soil preparation. Topsoil should be prepared according to the landscape plans, if available, or recommendations of the grass seed supplier. Slopes shall be textured before seeding by rack walking (i.e., driving a crawling tractor up and down the slopes to leave a pattern of cleat imprints parallel to slope contours) or other method to provide stable areas for seeds to rest.
- Seeding. Erosion control grass seed mix shall be as follows: Dwarf grass mix (low height, low maintenance) consisting of dwarf perennial ryegrass (80 percent by weight), creeping red fescue (20 percent by weight). Application rate shall be 100 pounds per acre minimum.
- Grass seed shall be fertilized at a rate of ten pounds per 1,000 square feet with 16- 16-16 slow release type fertilizer. Disturbed areas within 50 feet of water bodies and wetlands must use a non-phosphorous fertilizer.
- The application rate of fertilizers used to reestablish vegetation shall follow manufacturer's recommendations. Nutrient releases from fertilizers to surface waters shall be minimized. Time release fertilizers shall be used. Care shall be made in the application of fertilizers within any waterway riparian zone to prevent leaching into the waterway.
- When used, hydromulch shall be applied with grass seed at a rate of 2,000 pounds per acre between April 30 and June 10, or between September 1 and October 1. On slopes steeper than ten percent, hydrosseed and mulch shall be applied with a bonding agent (tackifier). Application rate and methodology shall be in accordance with seed supplier recommendations.
- When used in lieu of hydromulch, dry, loose, weed-free straw used as mulch shall be applied at a rate of 4,000 pounds per acre (double the hydromulch application requirement). Anchor straw by working in by hand or with equipment (rollers, cleat trackers, etc.). Mulch shall be spread uniformly immediately following seeding.
- When conditions are not favorable to germination and establishment of the grass seed, the Contractor shall irrigate the seeded and mulched areas as required to establish the grass cover.
- Sediment fences shall be constructed of continuous filter fabric to avoid use of joints. When joints are necessary, filter cloth shall be spliced together only at a support post, with a minimum six-inch overlap, and both ends securely fastened to a post.
- The standard strength filter fabric shall be fastened securely to stitched loops installed on the upslope side of the posts, and six inches of the fabric shall be extended into the trench. The fabric shall not extend more than 30 inches above the original ground surface. Filter fabric shall not be stapled to existing trees.
- Bio-filter bags shall be clean 100 percent wood product waste. Bags shall be 18-inch x 18-inch x 30-inch, weigh approximately 45 pounds, and be contained in a bag made of 1/2 inch plastic mesh.
- Minimum wet weather slope protection. For 3H:1V or steeper slopes use Bon Terra Type C2 or North American Green Type C125 erosion control blankets. Use a minimum of two inches straw mulch or North American Green Type S150 for slopes flatter than 3H:1V and greater than 6H:1V. Slopes flatter than 6H:1V use one inch straw mulch, hydrosseed with hydromulch and tackifier. Slope protection shall be placed on all disturbed areas immediately after completion of each section of construction activity, until the erosion control seeding has been established. As an option during temporary or seasonal work stoppages, a six-mil HDPE plastic sheet may be placed on exposed slopes. The plastic sheet shall be provided with an anchor trench at the top and bottom of the slope, and shall be sandbagged on the slopes as required to prevent damage or displacement by wind.

REV.	DATE	DESCRIPTION
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PERMIT SET

A NEW PROJECT FOR SALEM-KEIZER SCHOOL DISTRICT @

HALLMAN

ELEMENTARY SCHOOL

4000 DEERHAVEN DR. NE
SALEM, OR



DRAWN BY: SC

CHECKED BY: GL

DATE: 10/1/2021

TITLE: ECSP NOTES

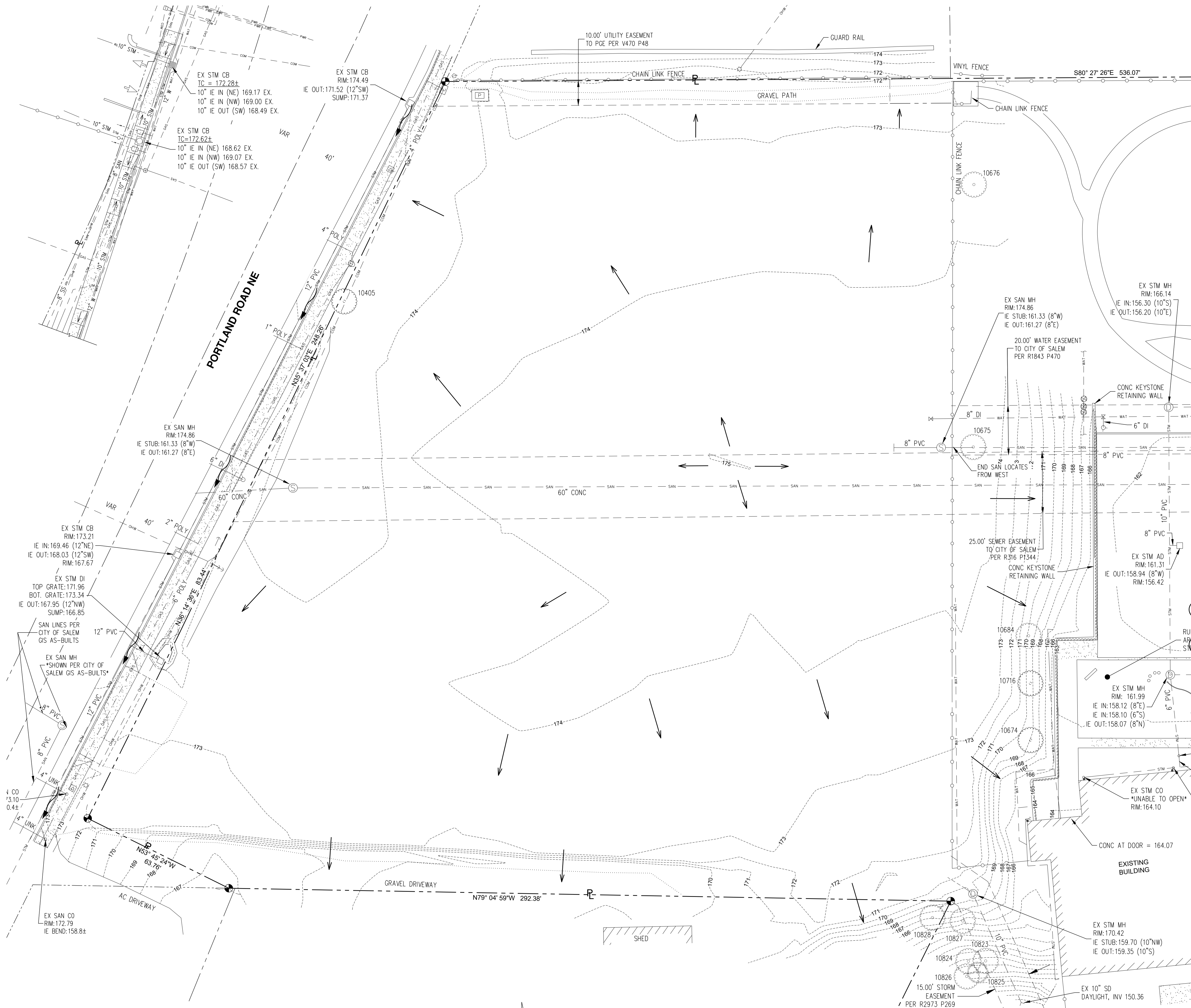
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EC-0.2

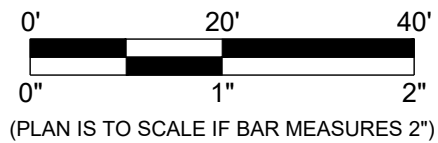
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ESCP EXISTING CONDITIONS

1" = 20'-0"



REV.	DATE	DESCRIPTION
1	03 DEC 2021	BUILDING CODE REVISIONS - 12.03.2021
6	04 FEB 2021	REVISIONS DUE TO DEQ COMMENTS

KEYED EROSION & SEDIMENT CONTROL NOTES (##):

GENERAL
THESE EROSION AND SEDIMENT CONTROL PLANS ASSUME "DRY WEATHER" CONSTRUCTION. IMPLEMENTATION OF "WET WEATHER" CONSTRUCTION MEASURES ARE REQUIRED BETWEEN OCTOBER 1 AND MAY 31. IN ADDITION TO MINIMUM SPECIFIC BMP'S IDENTIFIED IN THESE KEYED NOTES, CONTRACTOR AND HIS SITE INSPECTOR ARE RESPONSIBLE TO FOLLOW ALL REQUIREMENTS OF THE "STANDARD EROSION AND SEDIMENT CONTROL NOTES", AND TO ADD TO THE BMP'S NOTED HERE AS NEEDED TO ENSURE THE INTEGRITY OF THE SYSTEM.

STANDARD DRAWINGS ARE LOCATED ON SHEET EC-5.1

CITY OF SALEM "STANDARD EROSION AND SEDIMENT CONTROL NOTES" ARE LOCATED ON SHEET EC-0.2

OREGON DEQ "STANDARD EROSION AND SEDIMENT CONTROL DRAWING NOTES" ARE LOCATED ON SHEET EC-0.2

AT CONCLUSION OF CONSTRUCTION ACTIVITIES, REMOVE ALL ESCP FEATURES INCLUDING AND RESTORE DISTURBED GROUND TO ORIGINAL SURFACE CONDITION AND MATERIAL. GRASS AREAS TO BE RESTORED ACCORDING TO GENERAL SEEDING NOTES.

- INSTALL TREE PROTECTION FENCING PER STANDARD DRAWING NO.820 AND IMPLEMENT MITIGATION MEASURES FOR WORK IN CRITICAL TREE AREAS PER STANDARD DRAWING NO.821. AND IN ACCORDANCE WITH STANDARD ESCP DRAWING NOTES.
- INSTALL CONSTRUCTION ENTRANCE PER STANDARD DRAWING NO.901, AND IN ACCORDANCE WITH STANDARD ESCP DRAWING NOTES. PERFORM ALL REQUIRED WHEEL CLEANING ACTIVITIES IN AREA SUCH THAT THE SEDIMENT DOES NOT ENTER THE RIGHT-OF-WAY BUT IS INSTEAD CAPTURED ON SITE. SWEEP PAVED PORTION OF CONSTRUCTION SITE ENTRANCE AS NEEDED TO MINIMIZE TRACKING OF SEDIMENT OFF SITE. AT CONCLUSION OF CONSTRUCTION ACTIVITIES, REMOVE CONSTRUCTION ENTRANCE AND RESTORE TO ORIGINAL SURFACE CONDITION. GRASS AREAS TO BE RESTORED ACCORDING TO GENERAL SEEDING NOTES.
- INSTALL SEDIMENT BARRIER PRIOR TO THE START OF CONSTRUCTION. SILT FENCE PER STANDARD DRAWING NO.902. MAINTAIN IN ACCORDANCE WITH STANDARD ESCP DRAWING NOTES.
- PRIOR TO THE START OF CONSTRUCTION, PROTECT EXISTING STORMWATER INLETS PER STANDARD DRAWING NO.913 AND NO.914. MAINTAIN IN ACCORDANCE WITH STANDARD ESCP DRAWING NOTES UNTIL FINAL GROUND COVER IS ESTABLISHED OR INLET IS REMOVED.
- UTILIZE PROPOSED DETENTION PONDS AS TEMPORARY SEDIMENT PONDS TO REMOVE SEDIMENT FROM RUNOFF GENERATED BY DISTURBED AREAS OF SITE AND CONVEYED BY STORM PIPES. CONSTRUCT PER STANDARD DRAWING NO.910.
- AS PARKING LOT AND AREA DRAIN STORMWATER INLETS ARE CONSTRUCTED INSTALL INLET PROTECTION PER STANDARD DRAWING NO.913. SEE UTILITY PLAN FOR LOCATION OF PROPOSED STORMWATER INLET TO BE INSTALLED. MAINTAIN IN ACCORDANCE WITH STANDARD ESCP DRAWING NOTES UNTIL FINAL GROUND COVER IS ESTABLISHED OR THE COMPLETION OF CONSTRUCTION, WHICHEVER IS LATER.
- AS DETENTION POND INLET PIPES ARE CONSTRUCTED, INSTALL BIOFILTER BAG INLET PROTECTION PER STANDARD DRAWING NO.914 ENCLOSED BY FILTER FABRIC INLET BARRIER SIMILAR TO STANDARD DRAWING NO.912. SEE UTILITY PLAN FOR LOCATION OF PROPOSED STORMWATER INLET TO BE INSTALLED. MAINTAIN IN ACCORDANCE WITH STANDARD ESCP DRAWING NOTES UNTIL FINAL GROUND COVER IS ESTABLISHED OR THE COMPLETION OF CONSTRUCTION, WHICHEVER IS LATER.
- AS DETENTION POND OUTLET PIPES ARE CONSTRUCTED, INSTALL TEMPORARY SCOUR BASIN/ENERGY DISSIPATER PER STANDARD DRAWING NO.1050. MAINTAIN IN ACCORDANCE WITH STANDARD ESCP DRAWING NOTES UNTIL FINAL GROUND COVER IS ESTABLISHED AND PERMANENT OUTFALL STRUCTURE IS CONSTRUCTED PER CIVIL PLANS.
- UNLESS CONCRETE OVERAGE IS HAULED OFF SITE, PROVIDE CONCRETE MANAGEMENT FACILITY PER STANDARD DRAWING NO.917 OR PORTABLE CONTAINMENT TANK AT CONTRACTOR'S OPTION, AND IN ACCORDANCE WITH STANDARD ESCP DRAWING NOTES. LOCATE DESIGNATED WASHOUT AREA AS FAR FROM STORM DRAINS, OPEN DITCHES OR WATER BODIES AS POSSIBLE (OVER 50' AWAY IS PREFERRED). MULTIPLE FACILITIES IN VARYING LOCATIONS AS NEEDED DURING THE LIFE OF THE PROJECT.
- PROTECT STOCKPILES PER STANDARD DRAWING NO.908 AND IN ACCORDANCE WITH STANDARD ESCP DRAWING NOTE. CONSTRUCT MULTIPLE FACILITIES IN VARYING LOCATIONS AS NEEDED DURING THE LIFE OF THE PROJECT. RE-ESTABLISH PERMANENT GROUND COVER ONCE NO LONGER IN USE.
- INSTALL CURBSIDE SEDIMENT ATTENUATORS (FILTRATION BIOBAGS) PER STANDARD DRAWING NO.914 ALONG EXISTING CURB AT MAXIMUM 20' O.C. OR AS NEEDED TO FILTER SEDIMENT IN GUTTER FLOW.
- MAINTAIN EXISTING VEGETATIVE BUFFER.
- INSTALL COMPOST WATTLES ALONG BOUNDARY OF WORK TO PREVENT FLOW OF SEDIMENT INTO PLAY AREA.
- PRIOR TO THE START OF CONSTRUCTION, PROTECT EXISTING PUBLIC STORMWATER INLETS PER STANDARD DRAWING NOS. 912 AND NO. 914. MAINTAIN IN ACCORDANCE WITH STANDARD ESCP DRAWING NOTES UNTIL FINAL GROUND COVER IS ESTABLISHED OR INLET IS REMOVED.
- IN THE LOCATION OF FUTURE PEDESTRIAN CONCRETE AREA AS SHOWN ON PLANS, PROVIDE GRAVEL CONSTRUCTION PAD SUITABLE FOR USE AS CONSTRUCTION STAGING AREA TO LOCATE CONSTRUCTION SHACK, STORAGE AREAS AND SANITARY FACILITIES.

LOCATION OF NEAREST RAIN GAUGE
PER CITY OF SALEM UTILITY MAPS AT
4191 JADE STREET NE TO THE
NORTHEAST OF PROJECT SITE.

TREE TABLE		
TREE NUMBER	TYPE	DBH (IN.)
10405	DECIDUOUS	13 16
10674	DECIDUOUS	6
10675	DECIDUOUS	6 10
10676	DECIDUOUS	8
10684	DECIDUOUS	10
10716	DECIDUOUS	7
10823	DECIDUOUS	18
10824	DECIDUOUS	17
10825	CONIFEROUS	38
10826	DECIDUOUS	10
10827	DECIDUOUS	10 16
10828	DECIDUOUS	12



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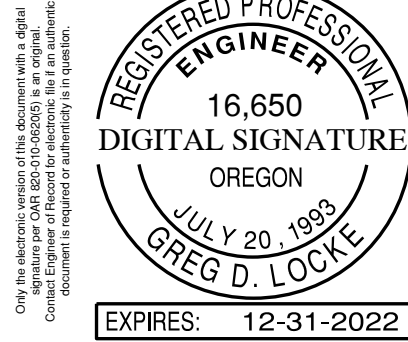
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HALLMAN
ELEMENTARY SCHOOL

4000 DEERHAVEN DR. NE
SALEM, OR



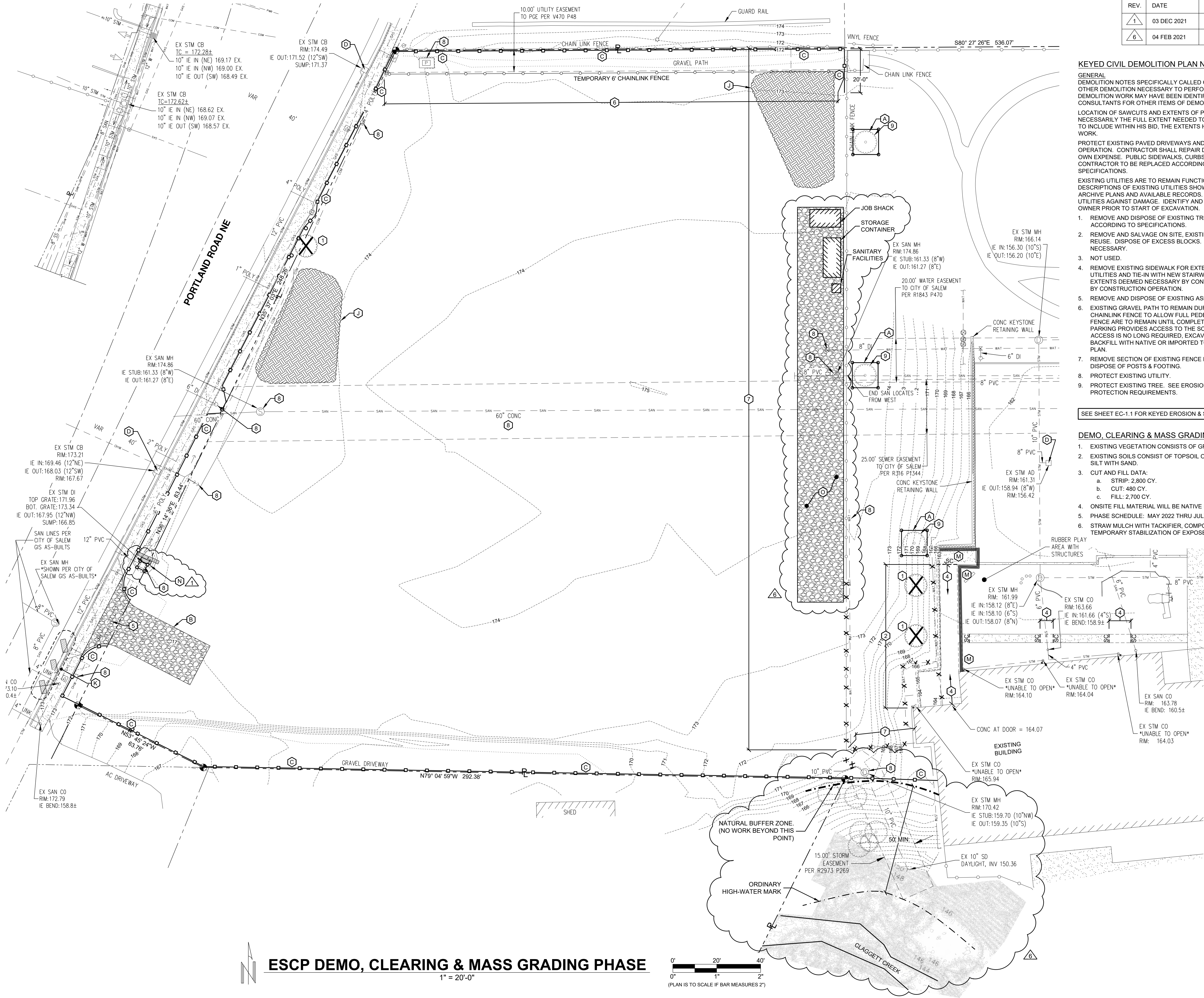
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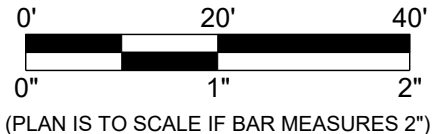
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ESCP DEMO, CLEARING & MASS GRADING PHASE

1" = 20'-0"



REV.	DATE	DESCRIPTION
1	03 DEC 2021	BUILDING CODE REVISIONS - 12.03.2021
6	04 FEB 2021	REVISIONS DUE TO DEQ COMMENTS

KEYED CIVIL DEMOLITION PLAN NOTES (##):

GENERAL
DEMOLITION NOTES SPECIFICALLY CALLED OUT ON PLAN ARE IN ADDITION TO ANY INCIDENTAL OR OTHER DEMOLITION NECESSARY TO PERFORM THE REQUIRED WORK. NOT ALL REQUIRED DEMOLITION WORK MAY HAVE BEEN IDENTIFIED. SEE DEMO PLANS OF ARCHITECT AND OTHER CONSULTANTS FOR OTHER ITEMS OF DEMOLITION NOT RELATED TO CIVIL DESIGN.

LOCATION OF SAWCUTS AND EXTENTS OF PAVEMENT REMOVAL IS SCHEMATIC AND NOT NECESSARILY THE FULL EXTENT NEEDED TO PERFORM THE WORK. CONTRACTOR IS RESPONSIBLE TO INCLUDE WITHIN HIS BID, THE EXTENTS HE FEELS IS NEEDED TO PROPERLY COMPLETE THE WORK.

PROTECT EXISTING PAVED DRIVEWAYS AND SIDEWALKS FROM DAMAGE FROM CONSTRUCTION OPERATION. CONTRACTOR SHALL REPAIR DAMAGED SURFACE SCHEDULED TO REMAIN AT THEIR OWN EXPENSE. PUBLIC SIDEWALKS, CURBS AND DRIVEWAY APPROACHES DAMAGED BY CONTRACTOR TO BE REPLACED ACCORDING TO CITY OF SALEM STANDARD DRAWINGS AND SPECIFICATIONS.

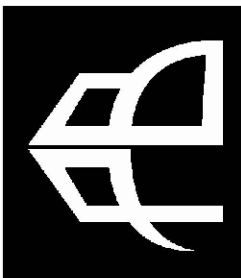
EXISTING UTILITIES ARE TO REMAIN FUNCTIONAL DURING ENTIRE PROJECT. LOCATIONS AND DESCRIPTIONS OF EXISTING UTILITIES SHOWN ARE APPROXIMATE AND BASED ON FIELD SURVEY, ARCHIVE PLANS AND AVAILABLE RECORDS. TAKE PRECAUTIONS TO LOCATE AND PROTECT UTILITIES AGAINST DAMAGE. IDENTIFY AND MARK LOCATION OF WATER SHUTOFF VALVES WITH OWNER PRIOR TO START OF EXCAVATION.

- REMOVE AND DISPOSE OF EXISTING TREE AND/OR STUMP. CLEAR AND GRUB ROOT BALL ACCORDING TO SPECIFICATIONS.
- REMOVE AND SALVAGE ON SITE, EXISTING SEGMENTAL RETAINING WALL BLOCKS FOR FUTURE REUSE. DISPOSE OF EXCESS BLOCKS. CONTRACTOR VERIFY EXTENTS OF REMOVAL NECESSARY.
- NOT USED.
- REMOVE EXISTING SIDEWALK FOR EXTENTS REQUIRED FOR INSTALLATION OF BUILDING, UTILITIES AND TIE-IN WITH NEW STAIRWAY. CUT SIDEWALK AT FIRST TOOLED JOINT BEYOND EXTENTS DEEMED NECESSARY BY CONTRACTOR. REPLACE ANY OTHER SECTIONS DAMAGED BY CONSTRUCTION OPERATION.
- REMOVE AND DISPOSE OF EXISTING ASPHALT PAVEMENT DRIVEWAY APPROACH.
- EXISTING GRAVEL PATH TO REMAIN DURING CONSTRUCTION. PROVIDE TEMPORARY 6" CHAINLINK FENCE TO ALLOW FULL PEDESTRIAN ACCESS. GRAVEL PATH AND TEMPORARY FENCE ARE TO REMAIN UNTIL COMPLETION OF PERMANENT SIDEWALK PATH THROUGH THE PARKING PROVIDES ACCESS TO THE SCHOOL PROPERTY FROM THE PUBLIC SIDEWALK. ONCE ACCESS IS NO LONG REQUIRED, EXCAVATE TO REMOVE GRAVEL FROM EXISTING PATH, AND BACKFILL WITH NATIVE OR IMPORTED TOPSOIL TO FINAL GRADE ELEVATIONS PER GRADING PLAN.
- REMOVE SECTION OF EXISTING FENCE FABRIC AND POSTS. SALVAGE FABRIC TO OWNER AND DISPOSE OF POSTS & FOOTING.
- PROTECT EXISTING UTILITY.
- PROTECT EXISTING TREE. SEE EROSION AND SEDIMENT CONTROL PLANS FOR TREE PROTECTION REQUIREMENTS.

SEE SHEET EC-1.1 FOR KEYED EROSION & SEDIMENT CONTROL NOTES SHOWN ON THIS PLAN.

DEMO, CLEARING & MASS GRADING PHASE INFORMATION AND NOTES

- EXISTING VEGETATION CONSISTS OF GRASS.
- EXISTING SOILS CONSIST OF TOPSOIL OVER UNDOCUMENTED GRAVEL/SAND FILL OVER NATIVE SILT WITH SAND.
- CUT AND FILL DATA:
 - STRIP: 2,800 CY.
 - CUT: 480 CY.
 - FILL: 2,700 CY.
- ONSITE FILL MATERIAL WILL BE NATIVE MATERIAL AND CRUSHED ROCK.
- PHASE SCHEDULE: MAY 2022 THRU JULY 2022
- STRAW MULCH WITH TACKIFIER, COMPOST MULCH OR HYDROSEED SHALL BE USED FOR TEMPORARY STABILIZATION OF EXPOSED SOILS AFTER EXCAVATION.



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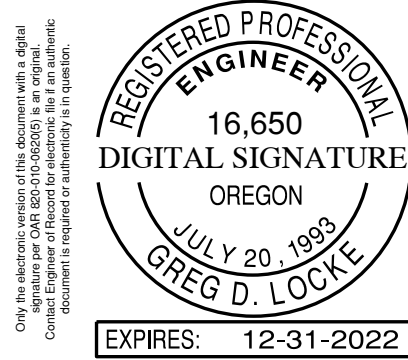
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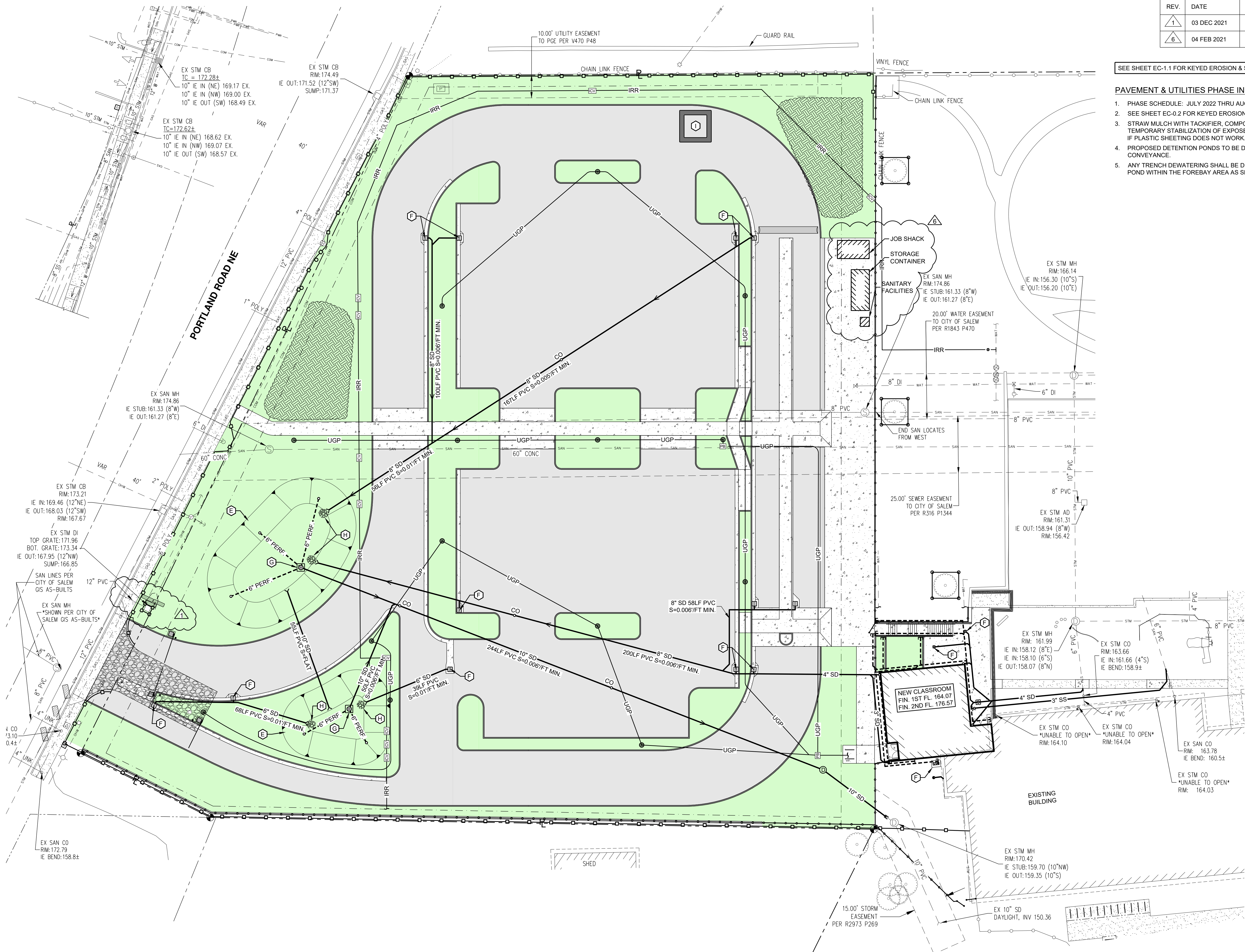
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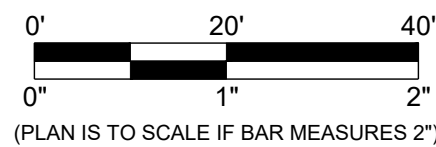
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ESCP PAVEMENT AND UTILITY PHASE

1" = 20'-0"



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1	03 DEC 2021	BUILDING CODE REVISIONS - 12.03.2021
2	04 FEB 2021	REVISIONS DUE TO DEQ COMMENTS

SEE SHEET EC-1.1 FOR KEYED EROSION & SEDIMENT CONTROL NOTES SHOWN ON THIS PLAN.

PAVEMENT & UTILITIES PHASE INFORMATION AND NOTES

1. PHASE SCHEDULE: JULY 2022 THRU AUGUST 2022
2. SEE SHEET EC-0.2 FOR KEYED EROSION & SEDIMENT CONTROL NOTES SHOWN ON THIS PLAN.
3. STRAW MULCH WITH TACKIFIER, COMPOST MULCH OR HYDROSEED SHALL BE USED FOR TEMPORARY STABILIZATION OF EXPOSED SOILS AFTER EXCAVATION (INCLUDING STOCKPILES IF PLASTIC SHEETING DOES NOT WORK.)
4. PROPOSED DETENTION PONDS TO BE DISCHARGE POINT FOR ALL STORMWATER RUNOFF CONVEYANCE.
5. ANY TRENCH DEWATERING SHALL BE DISCHARGED THROUGH FILTER BAG INTO DETENTION POND WITHIN THE FOREBAY AREA AS SHOWN.



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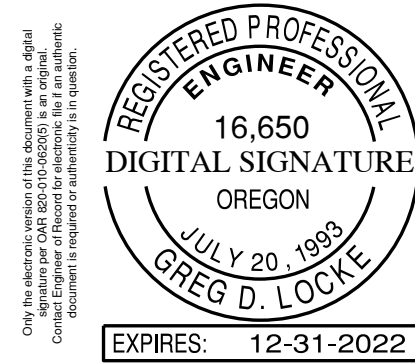
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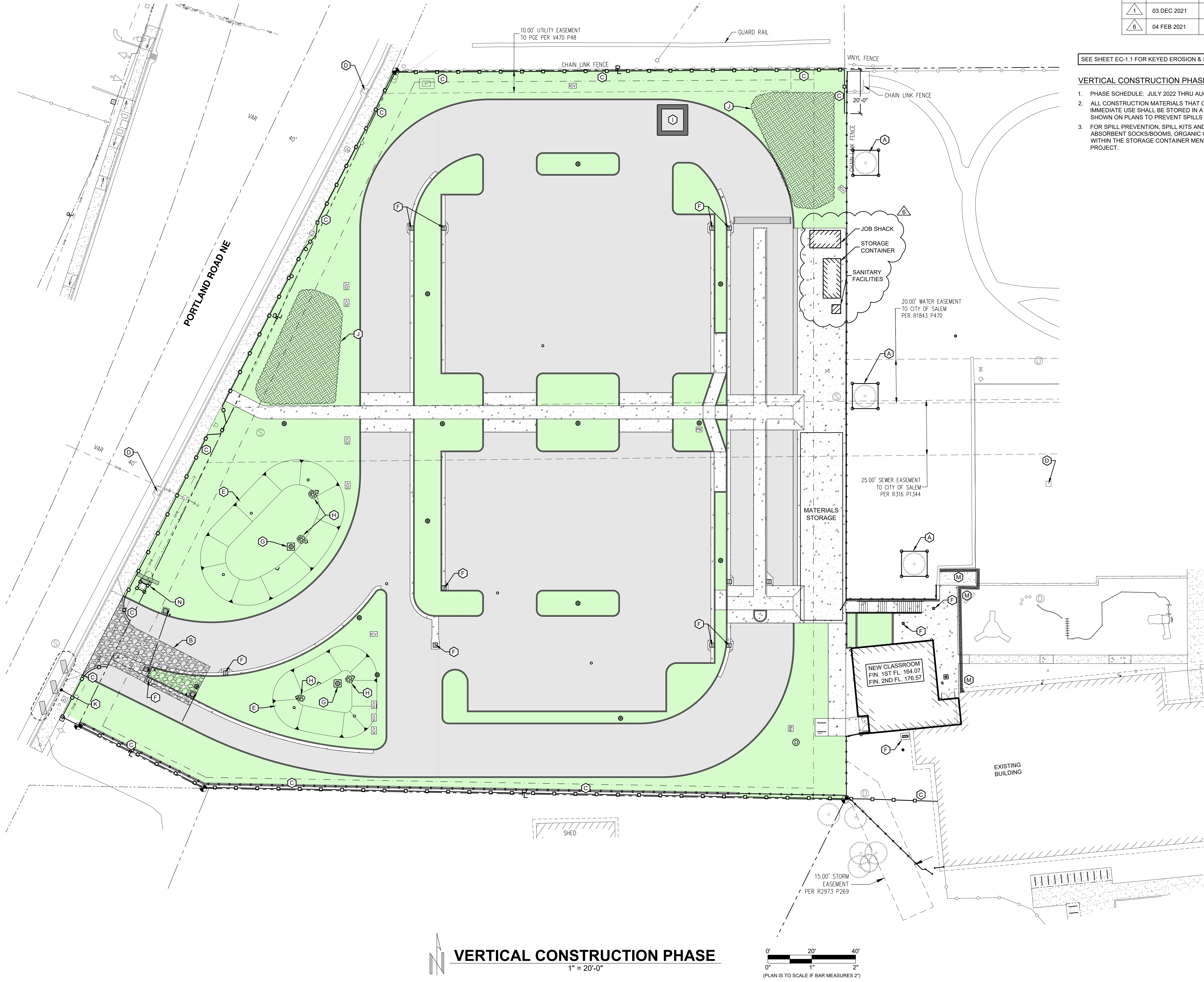
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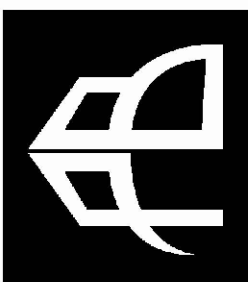


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SEE SHEET EC-1.1 FOR KEYED EROSION & SEDIMENT CONTROL NOTES SHOWN ON THIS PLAN.

VERTICAL CONSTRUCTION PHASE INFORMATION AND NOTES

- PHASE SCHEDULE: JULY 2022 THRU AUGUST 2022
- ALL CONSTRUCTION MATERIALS THAT COULD LEAD TO POLLUTION IF SPILLED NOT IN IMMEDIATE USE SHALL BE STORED IN A STORAGE CONTAINER IN THE STORAGE AREAS AS SHOWN ON PLANS TO PREVENT SPILLS AND EXPOSURE TO WET WEATHER.
- FOR SPILL PREVENTION, SPILL KITS AND OTHER SPILL CONTAINMENT DEVICES (I.E. WATTLES, ABSORBENT SOCKS/BOOMS, ORGANIC OIL ABSORBENT AGENT, ETC.) SHALL BE KEPT ONSITE WITHIN THE STORAGE CONTAINER MENTIONED ABOVE THROUGH THE COMPLETION OF THE PROJECT.



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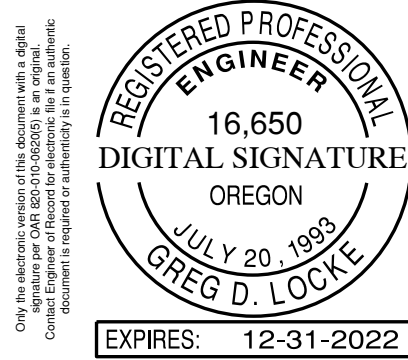
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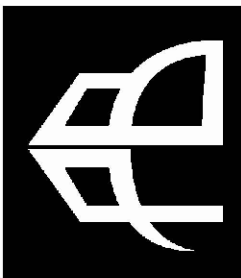
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REV.	DATE	DESCRIPTION
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SEE SHEET EC-1.1 FOR KEYED EROSION & SEDIMENT CONTROL NOTES SHOWN ON THIS PLAN.

- LANDSCAPING & FINAL STABILIZATION PHASE INFORMATION AND NOTES
1. PHASE SCHEDULE: AUGUST 2022 THRU OCTOBER 2022
 2. DETENTION PONDS TO HAVE TEMPORARY SEDIMENT CONTROLS REMOVED AND PERMANENT UNDER DRAINAGE AND PLANTING SOILS INSTALLED. SEE LANDSCAPE PLANS.
 3. INSTALL PERMANENT ROCK SPLASH PADS PER CIVIL PLANS.
 4. REMOVE ALL PERIMETER SEDIMENT FENCING, CATCHBASIN INSERTS AND OTHER INLET PROTECTION UPON COMPLETION OF THIS PHASE.



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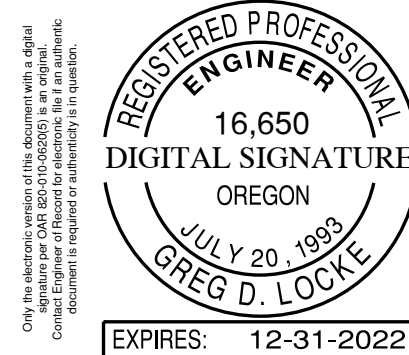
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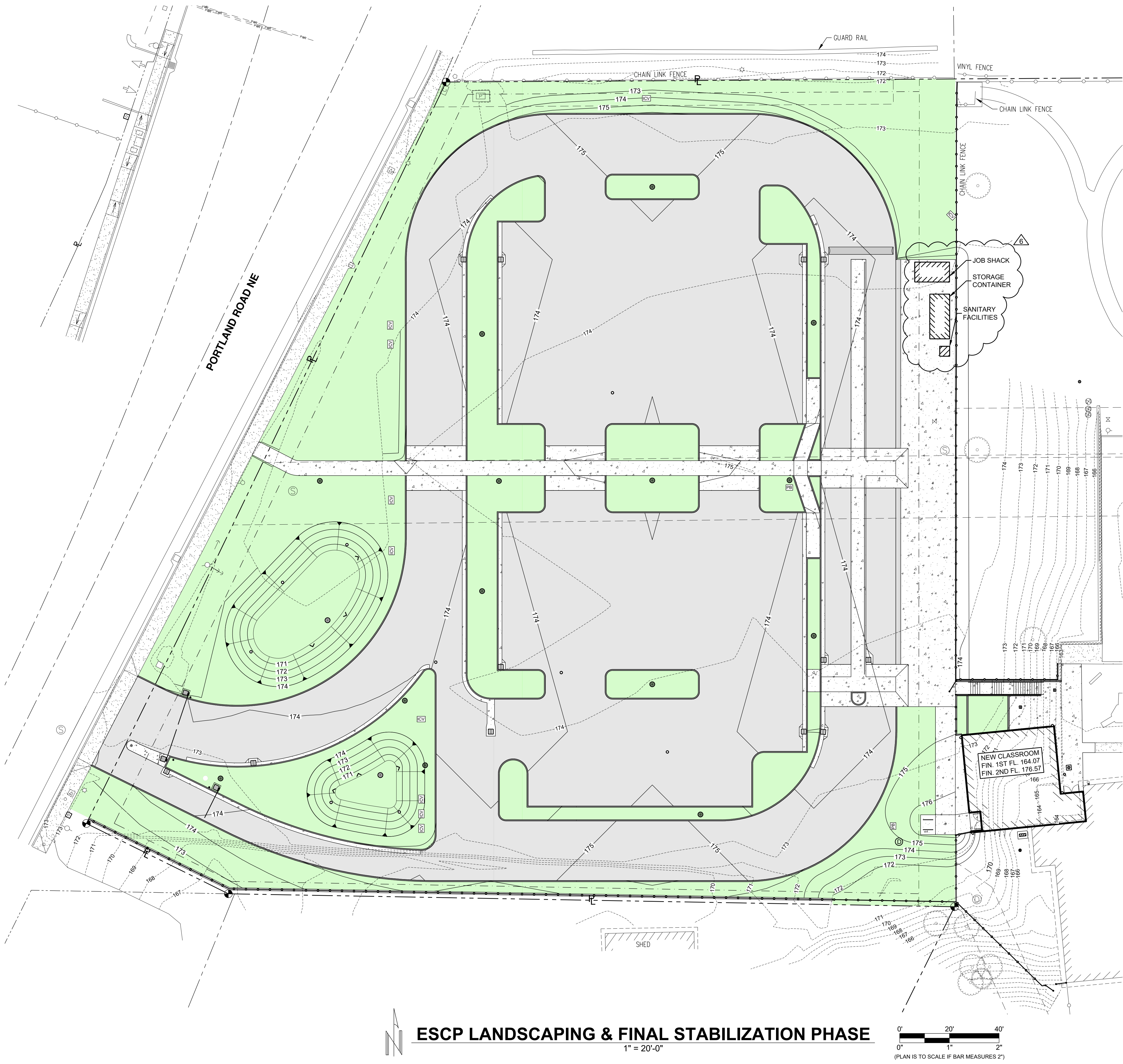
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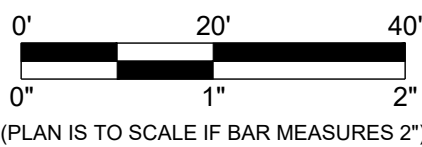
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ESCP LANDSCAPING & FINAL STABILIZATION PHASE
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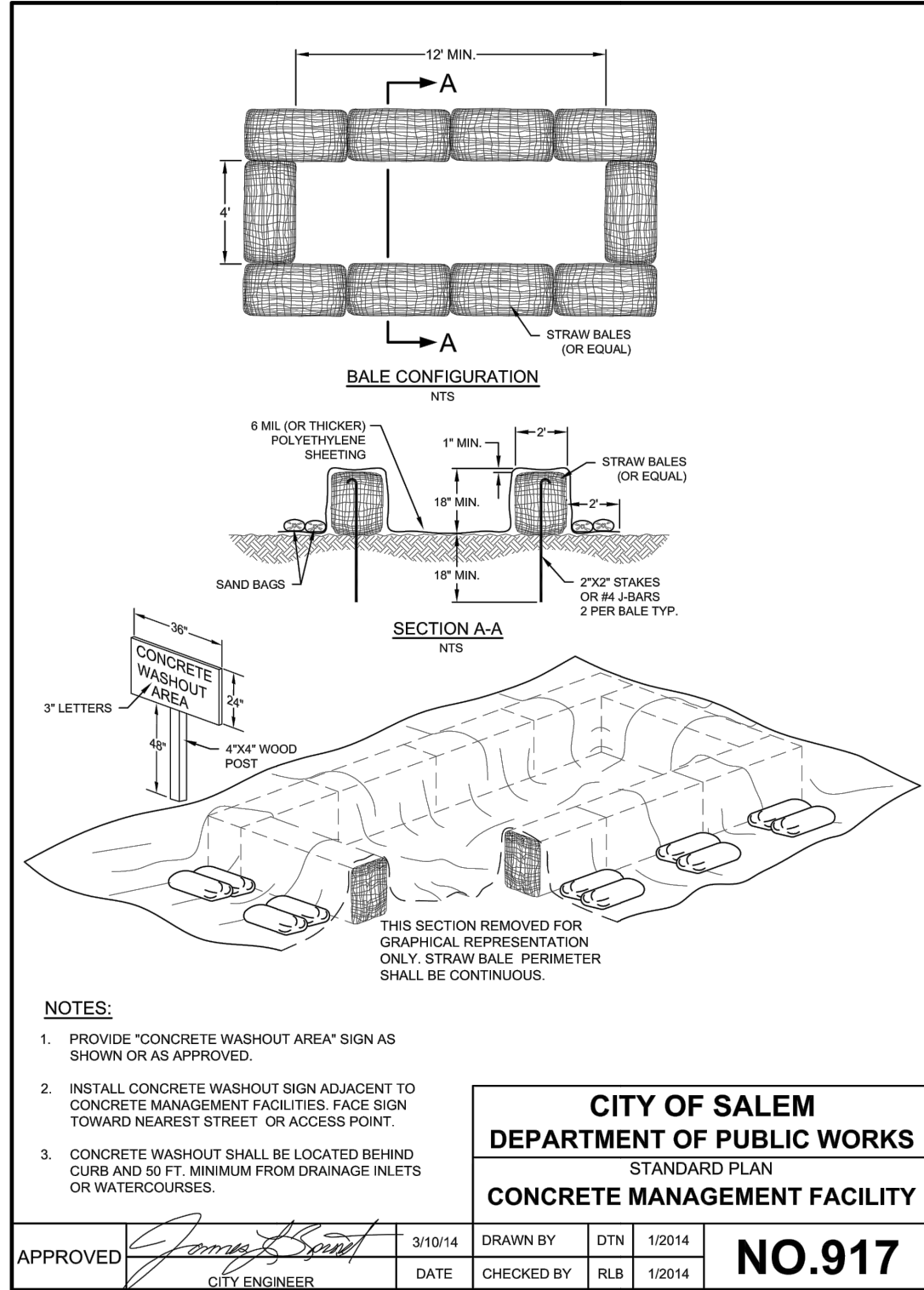
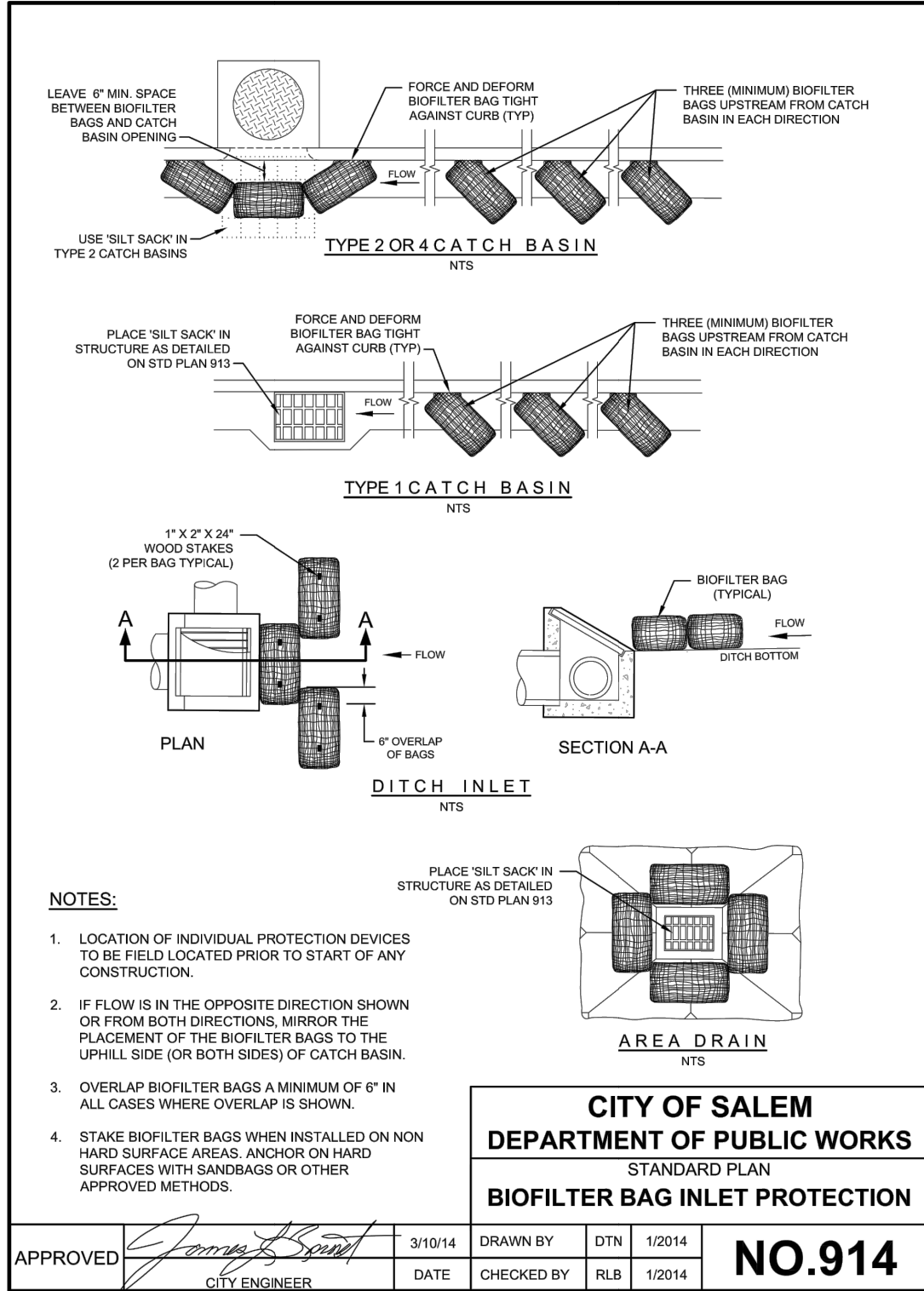
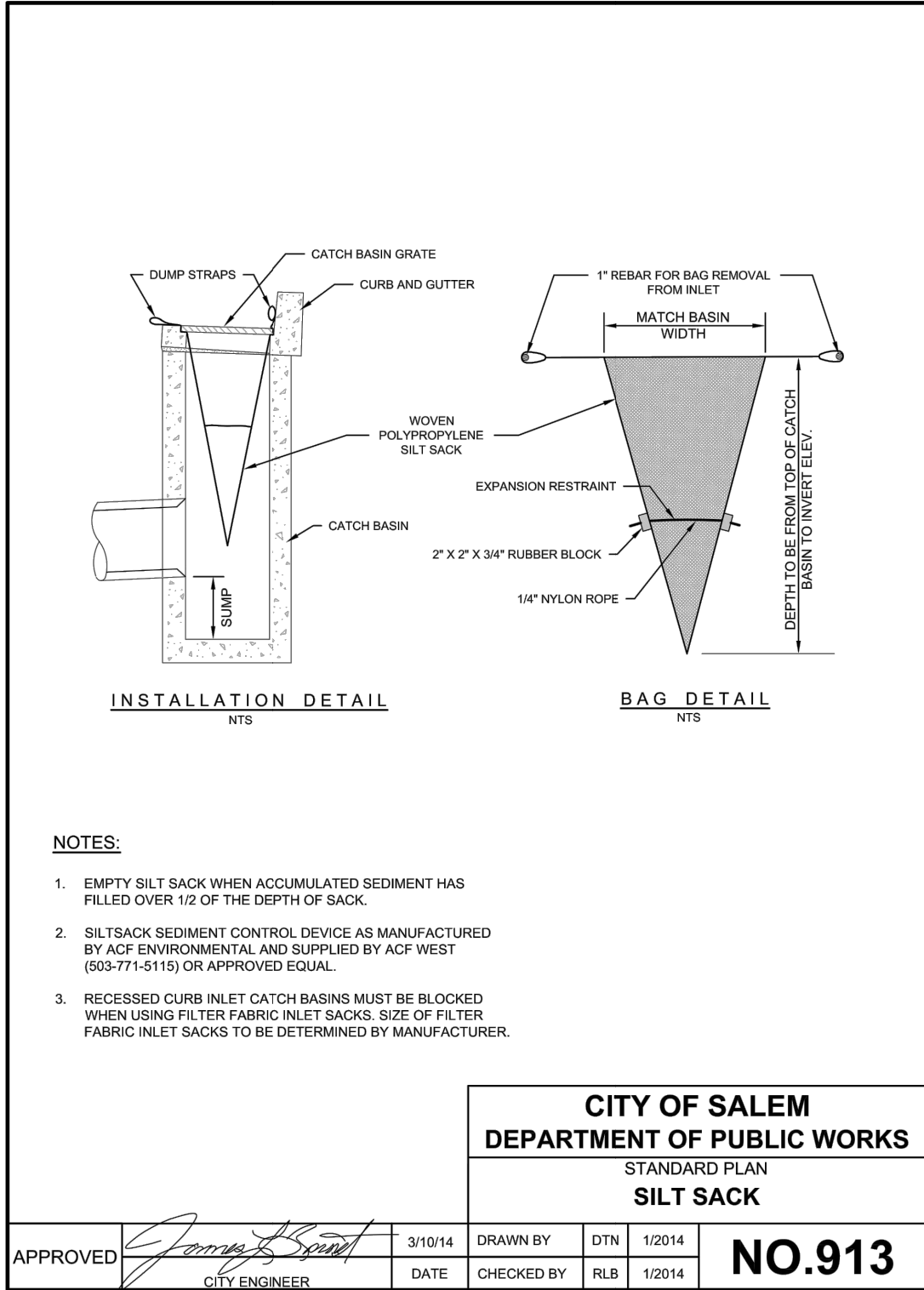
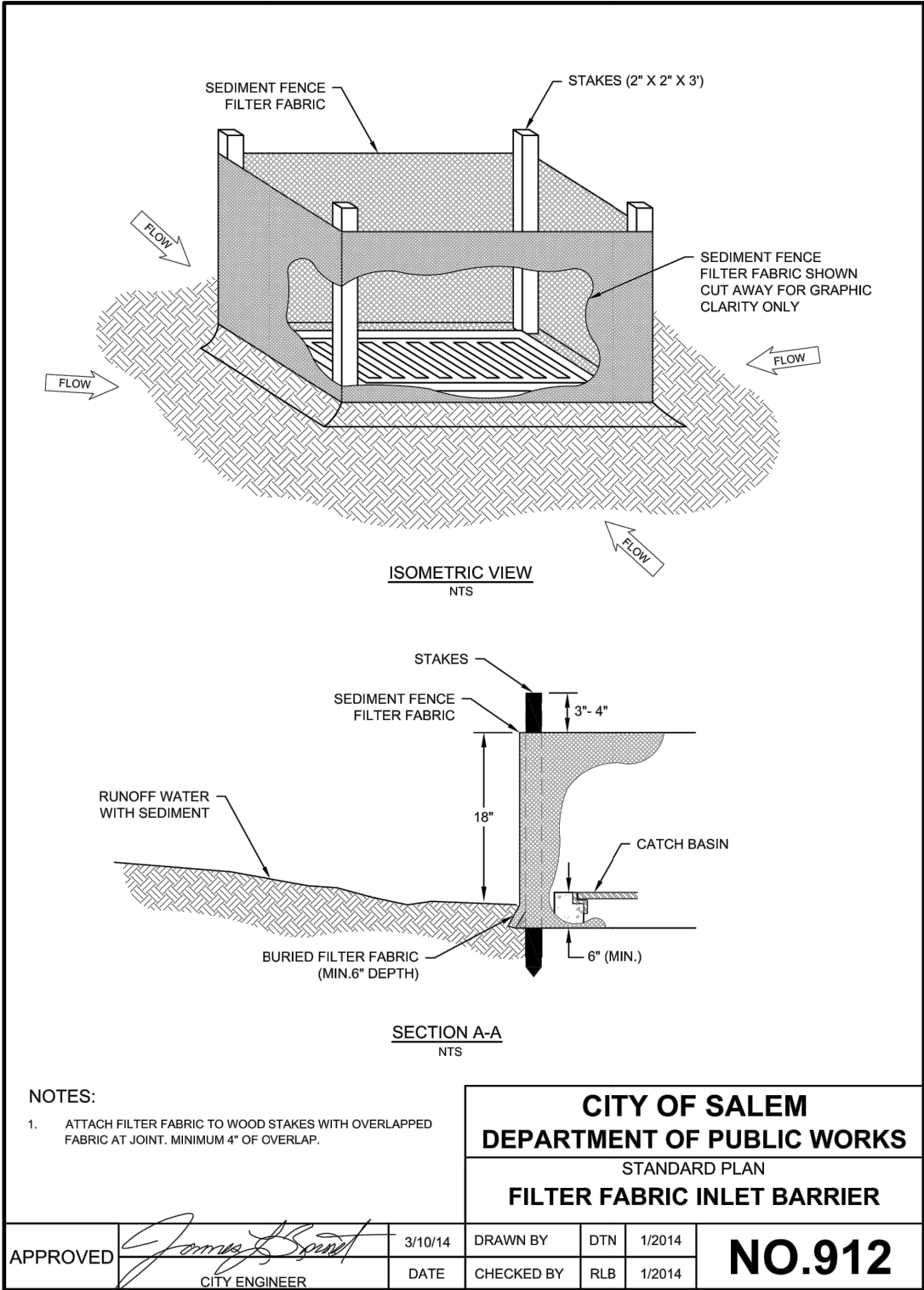
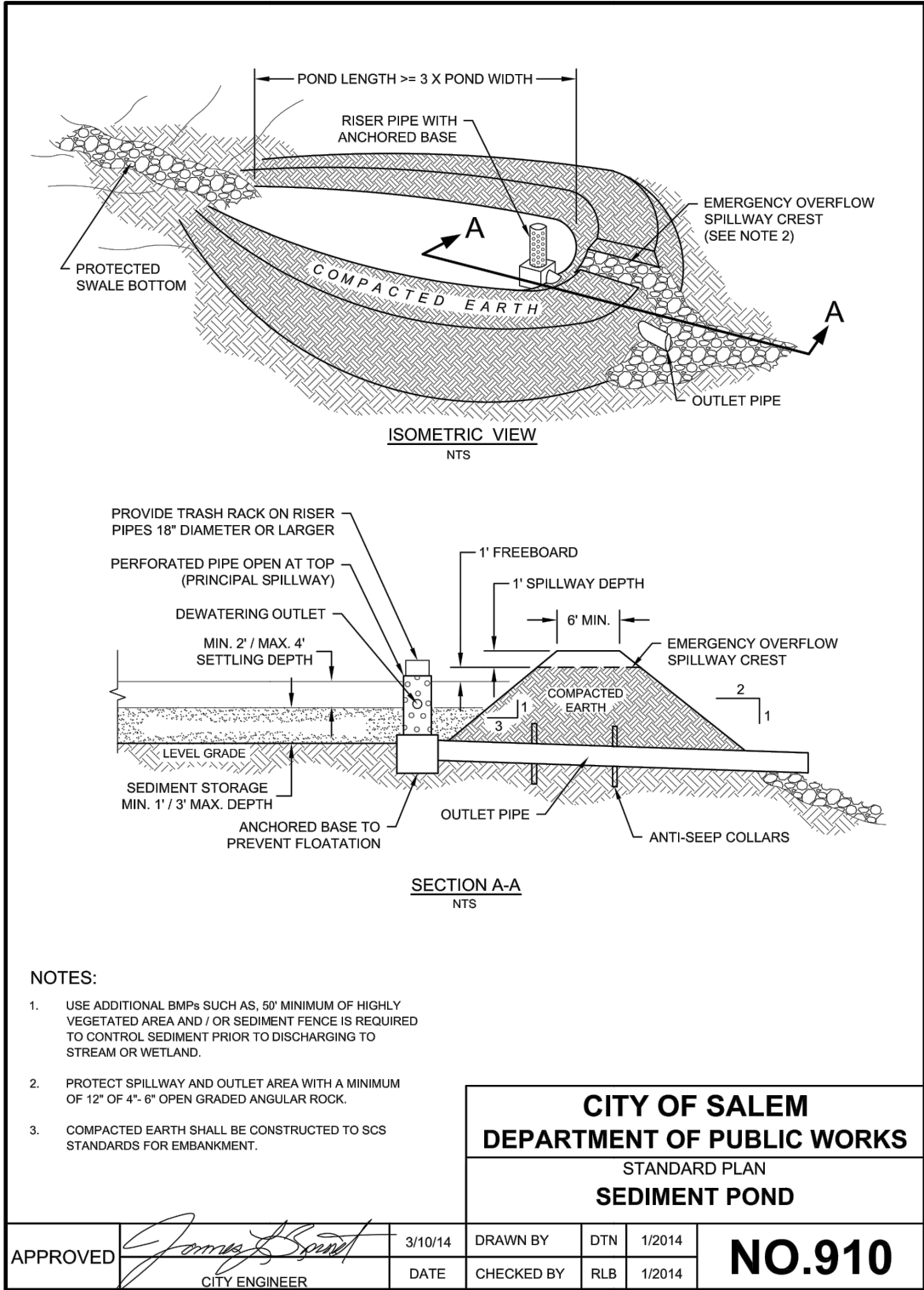
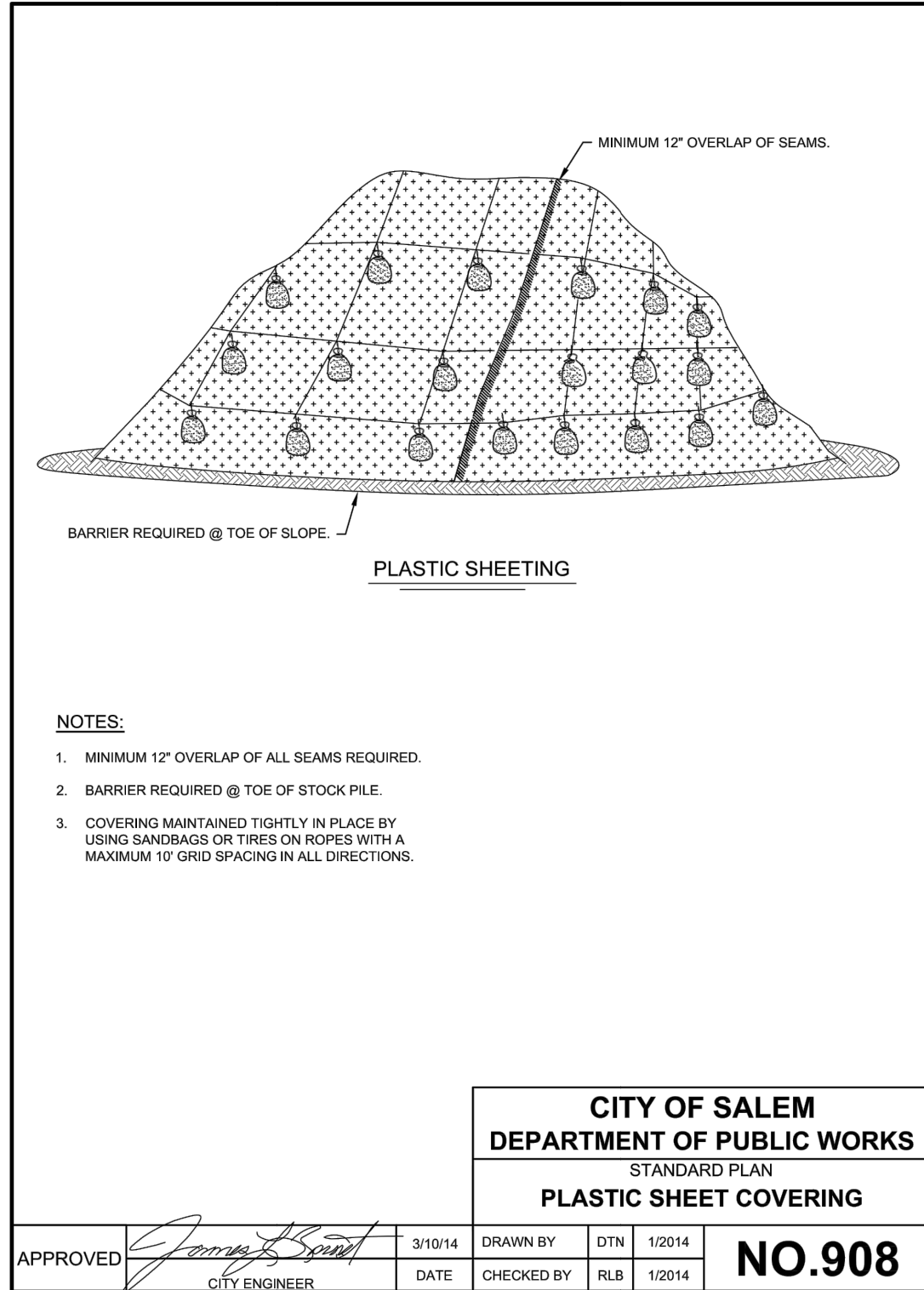
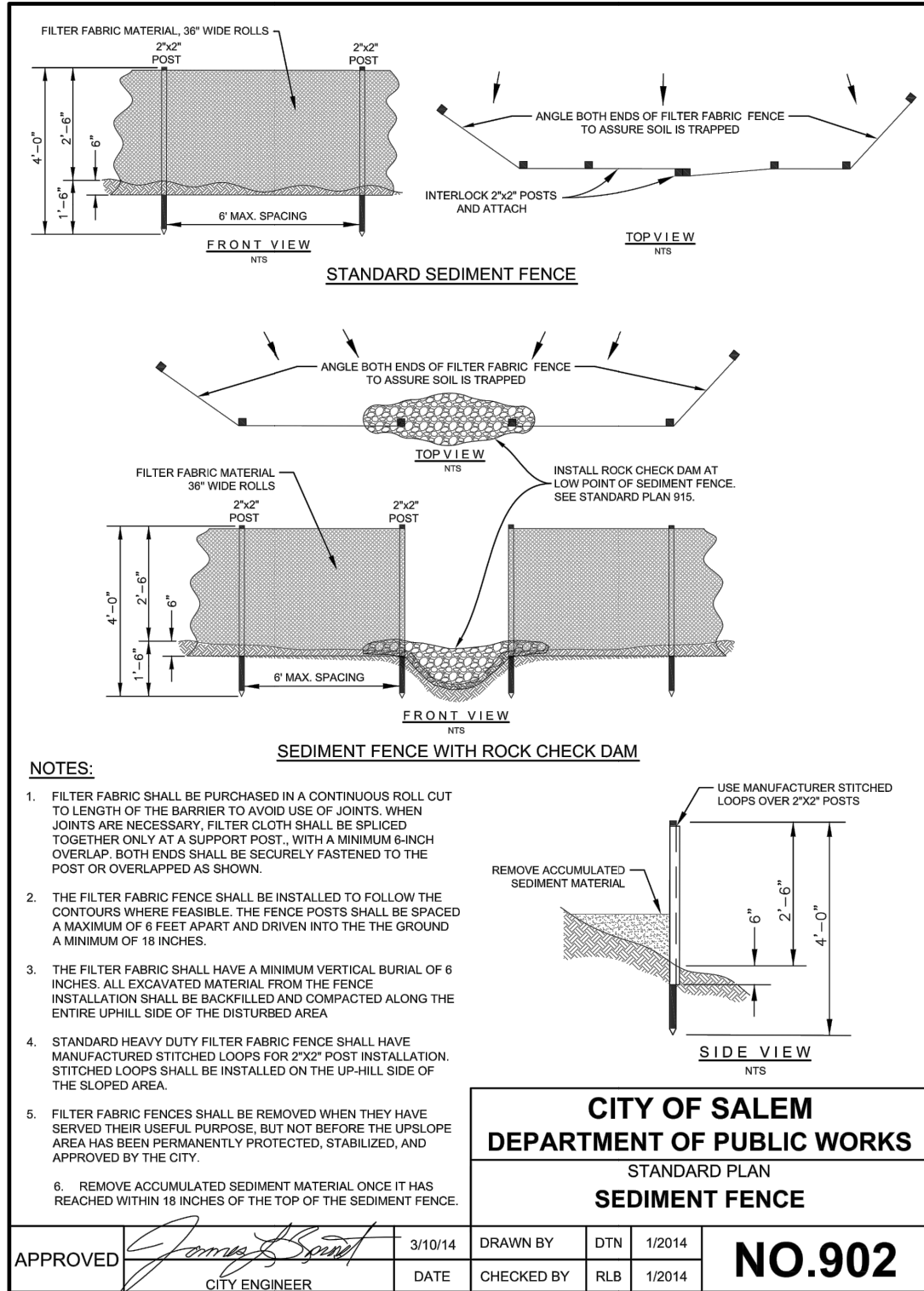
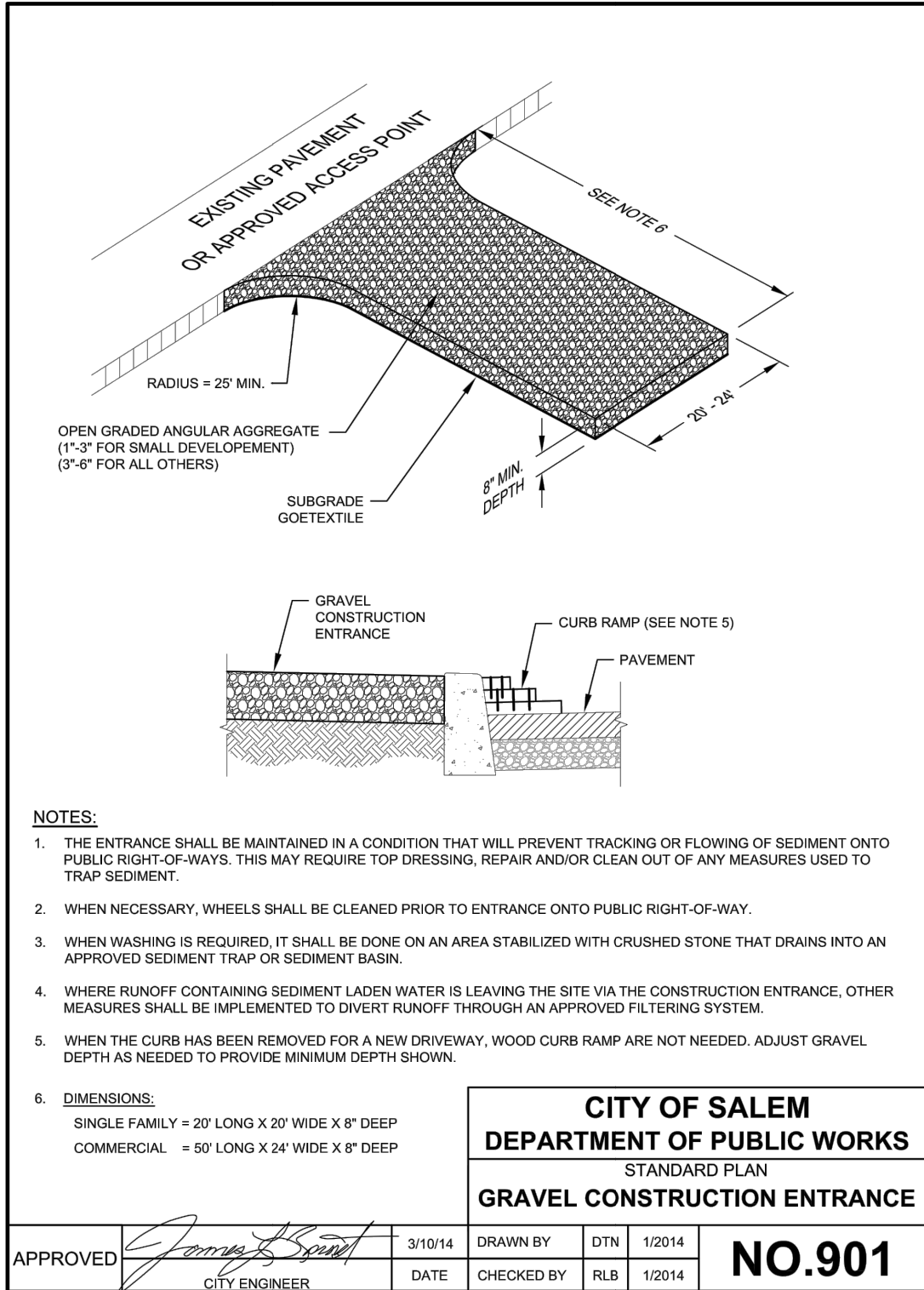
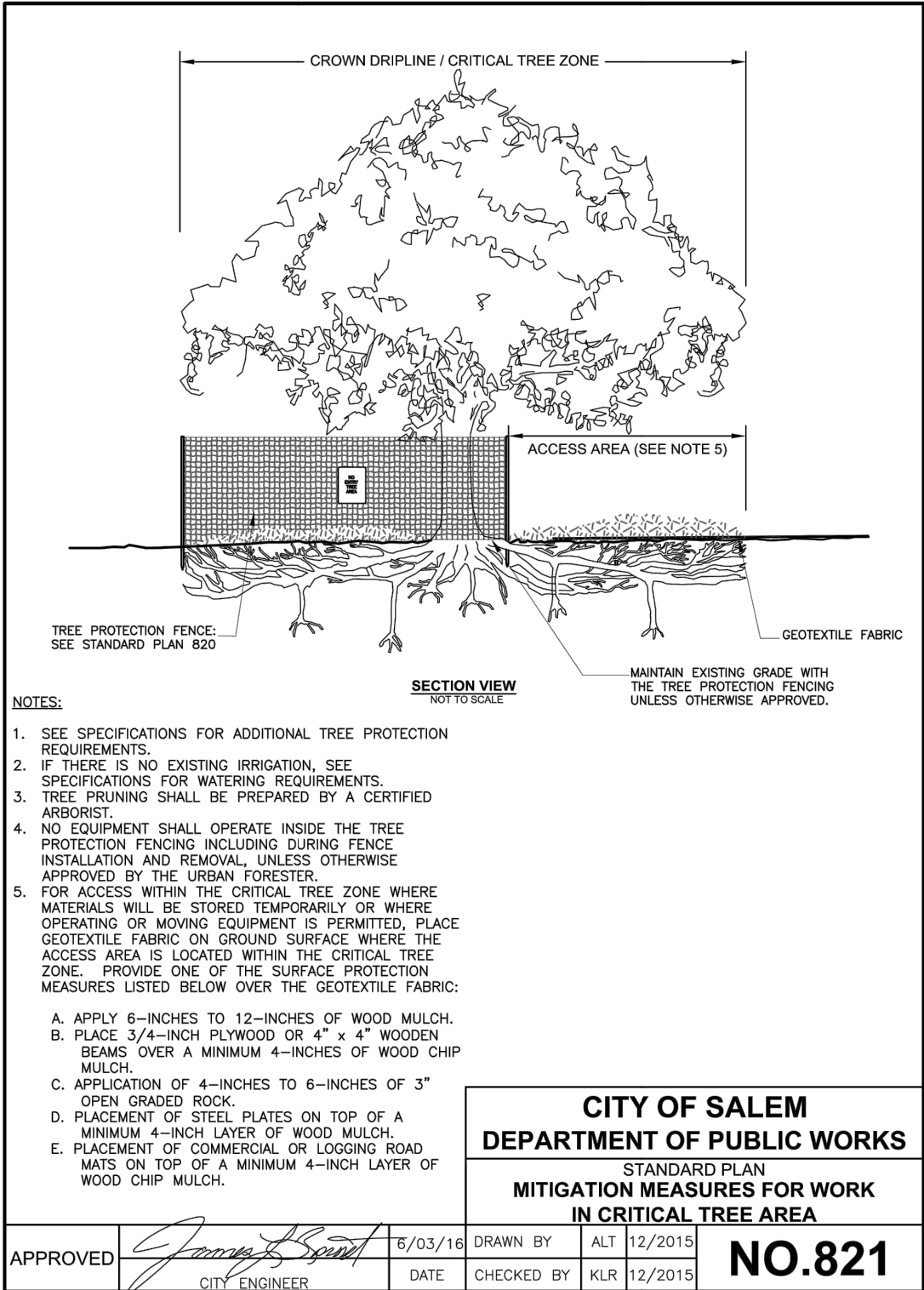
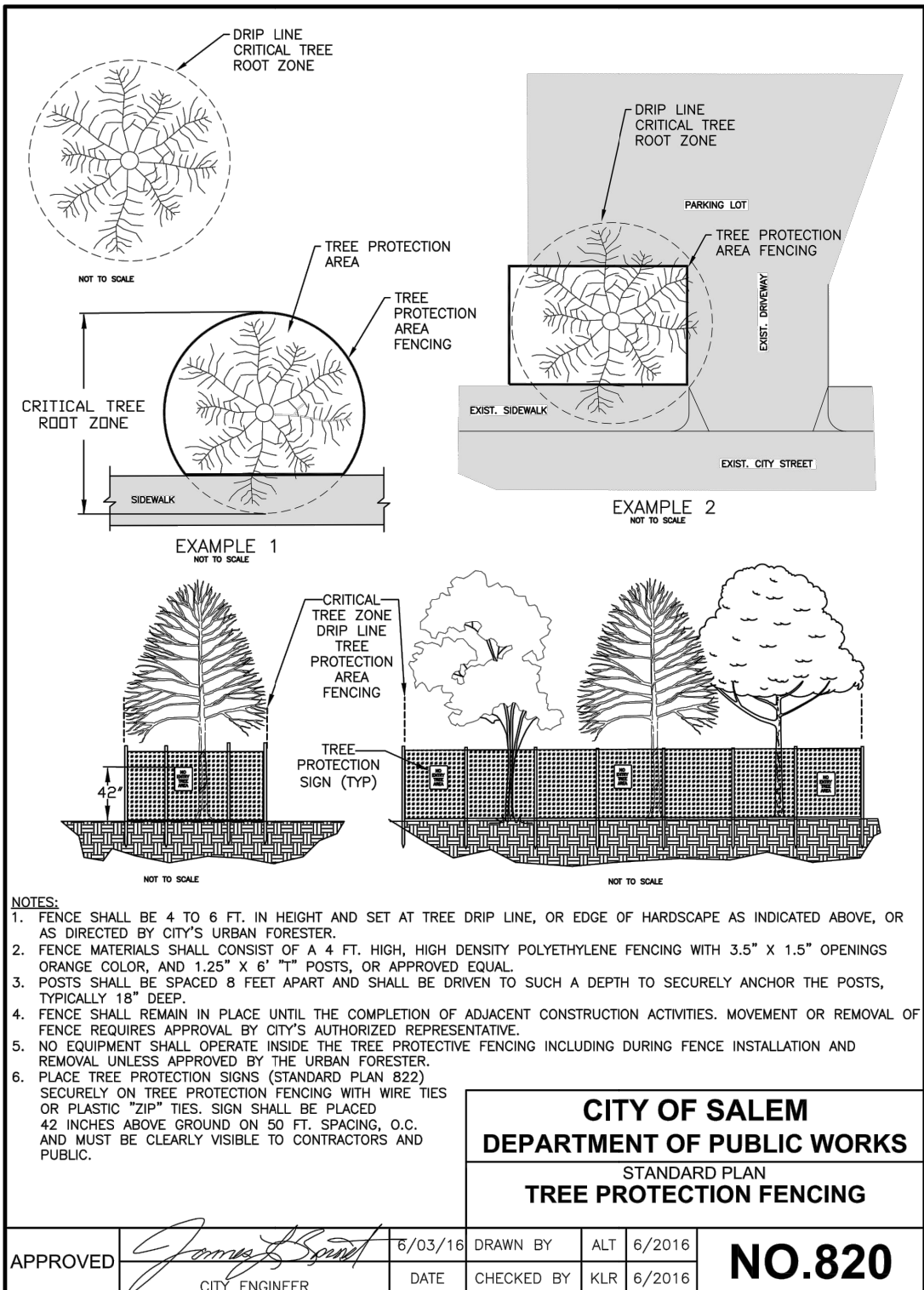
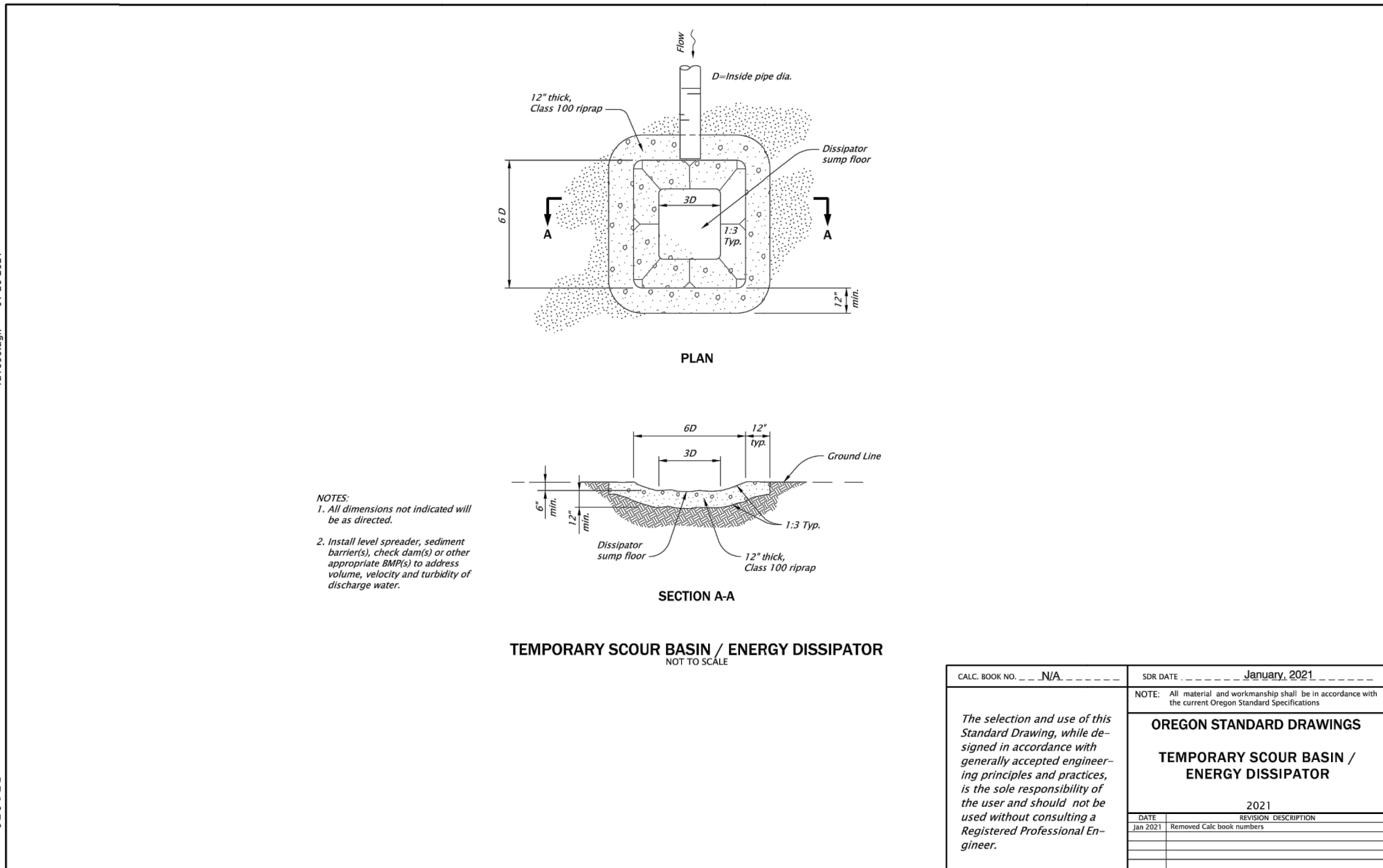




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TITLE: ECSP DETAILS
SCALE: SEE SHEET

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