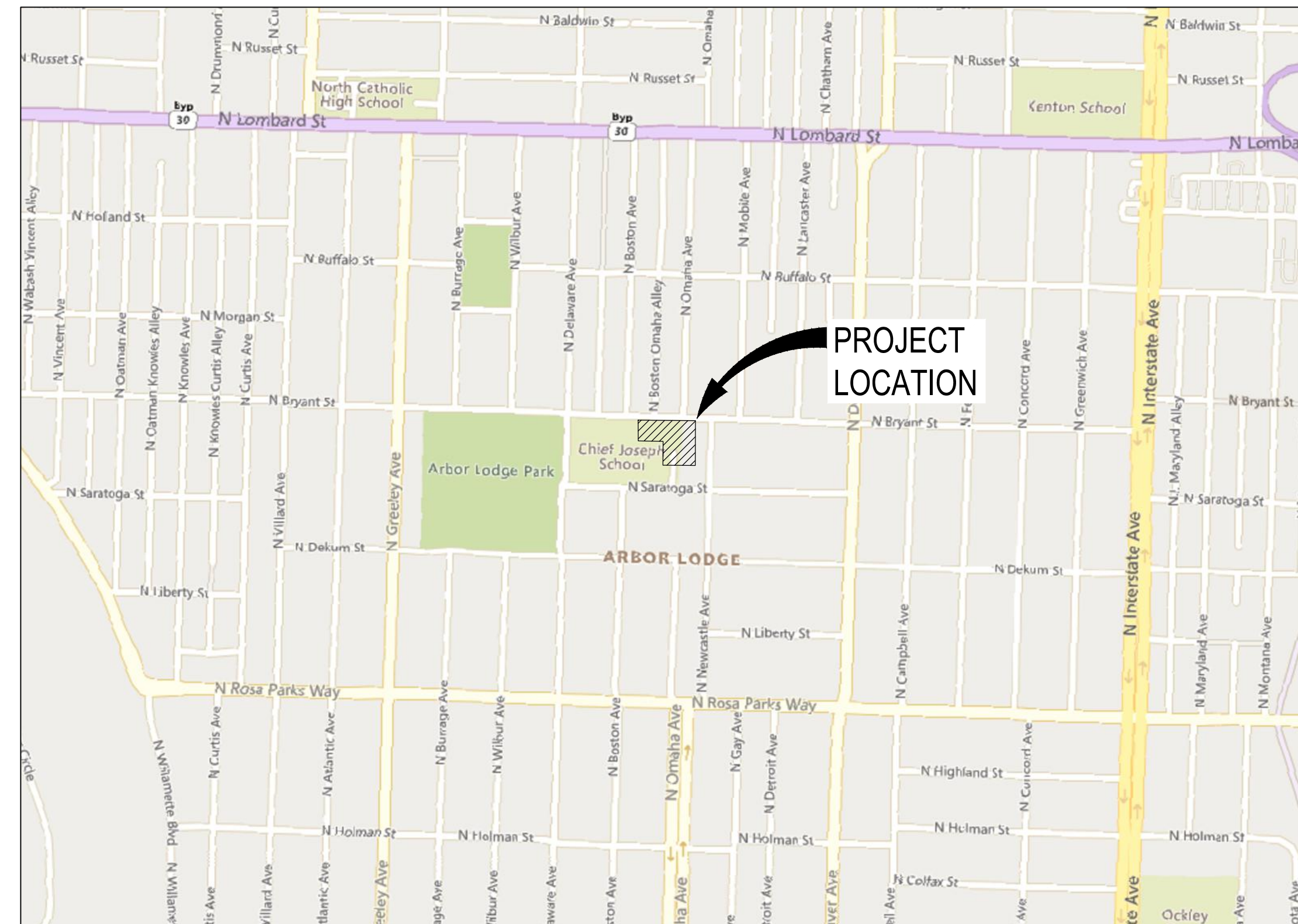
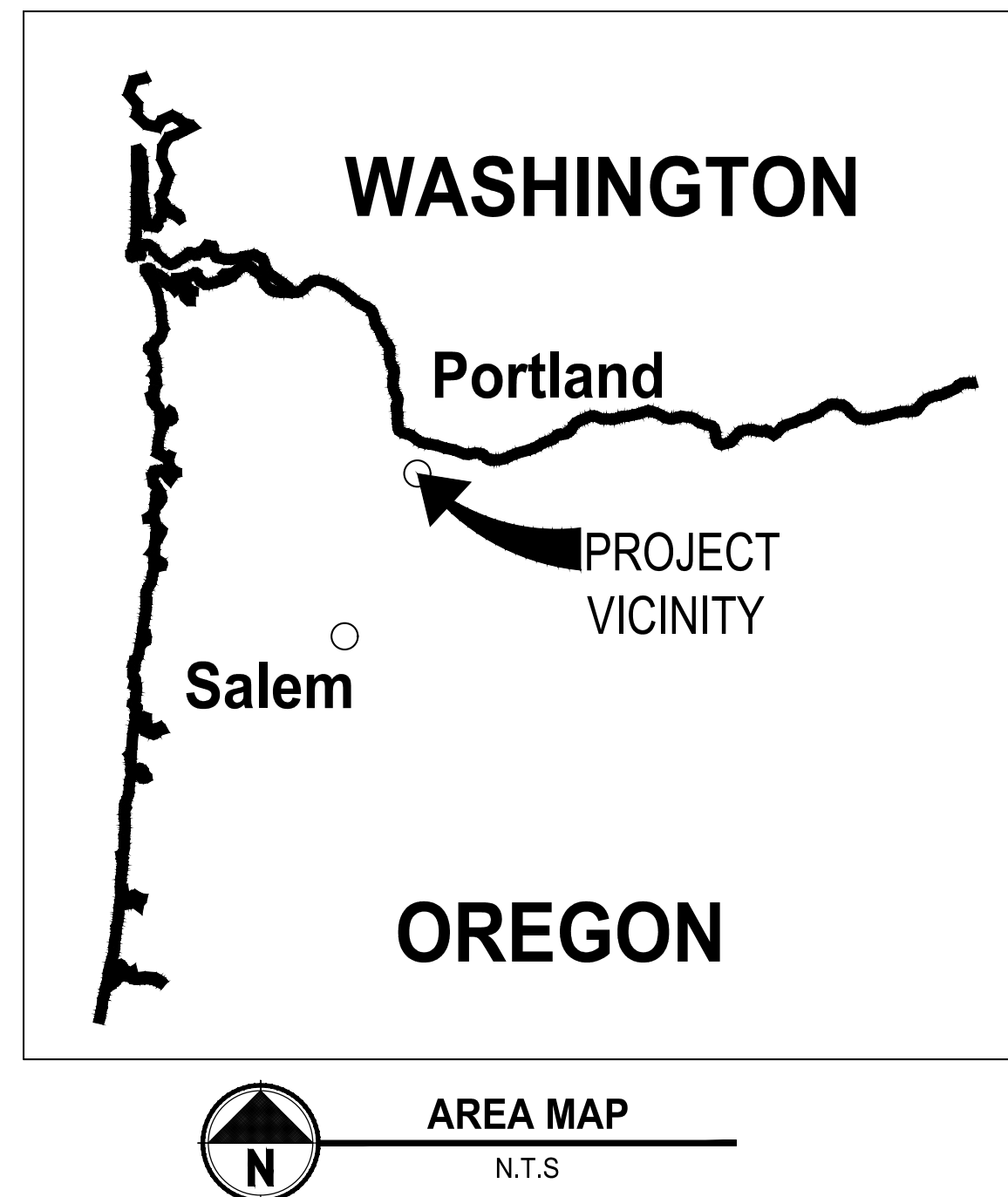


CHIEF JOSEPH ELEMENTARY STORMWATER RETROFIT

LOWER COLUMBIA ESTUARY PARTNERSHIP
PORTLAND, OREGON



PROJECT CONTACT INFORMATION

SITE OWNER:
PORTLAND PUBLIC SCHOOLS
FACILITIES AND ASSET MANAGEMENT
501 N DIXON ST.
PORTLAND, OR 97227
CONTACT: JOANNA EVENSON

CIVIL ENGINEER & SURVEYOR

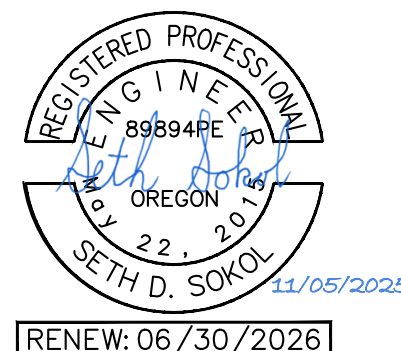
PARAMETRIX, INC.
5 SE MARTIN LUTHER KING JR BLVD
SUITE 400
PORTLAND, OR 97214
(503) 416-6168

SITE

CHIEF JOSEPH ELEMENTARY SCHOOL
2409 N SARATOGA ST.
PORTLAND, OR 97217
(503) 916-6255

LCEP PROJECT MANAGER:

LOWER COLUMBIA ESTUARY PARTNERSHIP
400 NE 11TH AVE.
PORTLAND, OR 97232
503-226-1565
CONTACT: CHRIS HATHAWAY

**ParametriX**

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY	
FILE NAME	XPO3324010C-G01-COVER
JOB No.	273-3324-010
DATE	10/31/25

PROJECT NAME

**CHIEF JOSEPH ELEMENTARY
STORMWATER RETROFIT**

PORTLAND, OREGON



811
Know what's below.
Call before you dig.

100 % SUBMITTAL

COVER SHEET, LOCATION MAPS AND DRAWING INDEX

DRAWING NO.
1 OF 10

G01

INDEX TO DRAWINGS	
SHEET NUMBER	SHEET TITLE
G01	COVER SHEET, LOCATION MAPS & DRAWING INDEX
C01	DEMOLITION & TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
C02	SITE PLAN
C03	STORM PROFILES
C04	NORTH STORMWATER PLANTER DETAILS
C05	EAST STORMWATER PLANTER DETAILS
C06	DETAILS SHEET
C07	DETAILS SHEET
C08	DETAILS SHEET
L01	LANDSCAPE PLAN

GENERAL NOTES:

1. HORIZONTAL DATUM IS NAD83(2011), EPOCH 2010.00, OREGON STATE PLAN E NORTH ZONE, INTERNATIONAL FEET BASED ON OREGON REAL-TIME NETWORK (ORGN) GNSS OBSERVATIONS.
2. VERTICAL DATUM IS NAVD88 BASED ON OREGON REAL-TIME NETWORK (ORGN) GNSS OBSERVATIONS.
3. THE OWNER'S REPRESENTATIVE AND THE DESIGN ENGINEER SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION, ANY CONSTRUCTION WORK DONE PRIOR TO NOTICE TO PROCEED BEING ISSUED OR WITHOUT INSPECTION WILL BE REJECTED.
4. CONTRACTOR SHALL VERIFY ALL CONDITIONS ON THE JOB SITE INCLUDING BUT NOT LIMITED TO, ALL DIMENSIONS, GRADES, ELEVATIONS, EXTENT AND COMPATIBILITY TO THE EXISTING SITE CONDITIONS, AND WITH THE WORK DESCRIBED ON THE ENGINEER'S DRAWINGS, ANY DISCREPANCIES OR UNEXPECTED CONDITIONS THAT AFFECT OR CHANGE THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY. CONTRACTOR SHALL NOT PROCEED WITH ANY OF THE WORK IN THE AREA OF DISCREPANCIES UNTIL ALL SUCH DISCREPANCIES ARE RESOLVED. IF THE CONTRACTOR CHOOSES TO DO SO, THEN IT IS UNDERSTOOD THAT THE CONTRACTOR IS CHOOSING TO PROCEED AT THE CONTRACTOR'S OWN RISK AND SHALL INCUR ALL COSTS, IF ANY TO RESOLVE THE ISSUES TO THE SATISFACTION OF THE ENGINEER.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT OREGON UTILITY NOTIFICATION CENTER AT 811 OR 1-800-332-2344 AT LEAST 48 BUSINESS-DAY HOURS PRIOR TO THE START OF CONSTRUCTION FOR THE LOCATION OF POWER, GAS, CABLE TV AND TELEPHONE UNDERGROUND FACILITIES. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR CONTACTING THE APPROPRIATE PUBLIC AGENCY FOR THE LOCATION OF UNDERGROUND FACILITIES.
6. CONTRACTOR TO VERIFY LOCATION OF EXISTING UTILITIES PRIOR TO CONSTRUCTION. 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 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (800)332-2344 OR 811.
7. ALL UNSUITABLE SOILS MATERIALS, RUBBISH AND DEBRIS RESULTING FROM GRADING OPERATIONS SHALL BE REMOVED FROM THE JOB SITE AND DISPOSED OF PROPERLY.
8. THE CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT, AND METHODS REQUIRED TO PREVENT DUST IN AMOUNTS DAMAGING TO PROPERTY, CULTIVATED VEGETATION AND DOMESTIC ANIMALS OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY DUST RESULTING FROM CONSTRUCTION.
9. THE CONTRACTOR SHALL FOLLOW ALL APPLICABLE INDUSTRIAL SAFETY REGULATIONS. THE ENGINEER, AND THE OWNER SHALL NOT BE RESPONSIBLE FOR ENFORCING SAFETY REGULATIONS.
10. CONTRACTOR TO NOTIFY ENGINEER FOR APPROVAL IF ANY MATERIALS DIFFER FROM THOSE DETAILED IN THESE PLANS.
11. ALL WORK SHALL BE PERFORMED BY A CITY OF PORTLAND APPROVED CONTRACTOR.
12. ALL WORK AND MATERIALS SHALL CONFORM TO THESE PLANS, OR WHERE NOT SPECIFIED, THE APPLICABLE PROVISIONS OF THE LATEST CITY OF PORTLAND STANDARD CONSTRUCTION SPECIFICATIONS OR STORMWATER MANAGEMENT MANUAL.

EROSION AND SEDIMENT CONTROL NOTES:

- A. 24-HOUR ONSITE EROSION AND SEDIMENT CONTROL MANAGER CONTACT
NAME: _____ PHONE NO: _____
- B. APPROVAL OF THIS EROSION, SEDIMENT AND POLLUTION CONTROL PLAN (ESPCP) DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G., SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION BEST MANAGEMENT PRACTICES [BMPs], OR UTILITIES).
- C. THE IMPLEMENTATION OF THIS ESPCP AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESPCP BMPs IS THE RESPONSIBILITY OF THE RESPONSIBLE PARTY UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED PERMANENT STABILIZATION IS ESTABLISHED.
- D. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE RESPONSIBLE PARTY FOR THE DURATION OF CONSTRUCTION. EXCEEDING THE APPROVED LIMITS OF DISTURBANCE MAY RESULT IN ADDITIONAL PERMITTING REQUIREMENTS, PERMIT REVISIONS, STOP WORK ORDERS, OR OTHER ENFORCEMENT ACTIONS.
- E. THE ESPCP BMPs SHOWN ON THIS PLAN MUST BE CONSTRUCTED PER CITY STANDARDS AND MADE FUNCTIONAL PRIOR TO GROUND-DISTURBING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER STANDARDS. THE INITIAL CLEARING MUST BE THE MINIMUM REQUIRED TO INSTALL ESPCP BMPs.
- F. THE ESPCP BMPs SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESPCP BMPs SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS OR SITE CONDITIONS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE. ADDITION AND REMOVAL OF BMPs SHOULD BE DOCUMENTED IN THE DAILY INSPECTION LOG AND, IN CASES OF ESPCP REVISION, ON THE REVISED ESPCP.
- G. FUELS, OILS, SOLVENTS, HAZARDOUS CHEMICALS, AND OTHER TOXIC MATERIALS SHALL BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE SOILS AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM, NOR BE ALLOWED TO SETTLE OR INFILTRATE INTO SOIL.
- H. OFFSITE RELEASE OF FUEL, OILS, SOLVENTS, HAZARDOUS CHEMICALS, SEDIMENT, TRASH, DEBRIS, OR OTHER SUBSTANCES RESULTING FROM CONSTRUCTION ACTIVITIES IS NOT ALLOWED. ALL SPILLS IN EXCESS OF REPORTABLE QUANTITIES SHALL BE REPORTED TO BUREAU OF ENVIRONMENTAL SERVICES SPILL RESPONSE, 503-823-7180.
- I. SIGNAGE SHALL BE POSTED ON THE SITE OF THE PERMITTED GROUND-DISTURBING ACTIVITY THAT IDENTIFIES THE CITY'S EROSION CONTROL COMPLAINT HOTLINE NUMBER OR THE RESPONSIBLE CITY PROJECT MANAGER/INSPECTOR.
- J. BETWEEN OCTOBER 1 AND APRIL 30, ALL DENUDED SITES SHALL BE PROVIDED WITH TEMPORARY SOIL STABILIZATION AS SOON AS PRACTICABLE, BUT IN NO CASE MORE THAN 2 DAYS AFTER GROUND-DISTURBING ACTIVITY OCCURS.
- K. BETWEEN MAY 1 AND SEPTEMBER 30, TEMPORARY EROSION AND SEDIMENT CONTROL BMPs TO REDUCE DUST AND SEDIMENT TRANSPORT SHALL BE APPLIED AS SOON AS PRACTICABLE, BUT IN NO CASE MORE THAN 7 DAYS AFTER GROUND-DISTURBING ACTIVITY OCCURS.

INSPECTION AND MAINTENANCE STANDARD NOTES

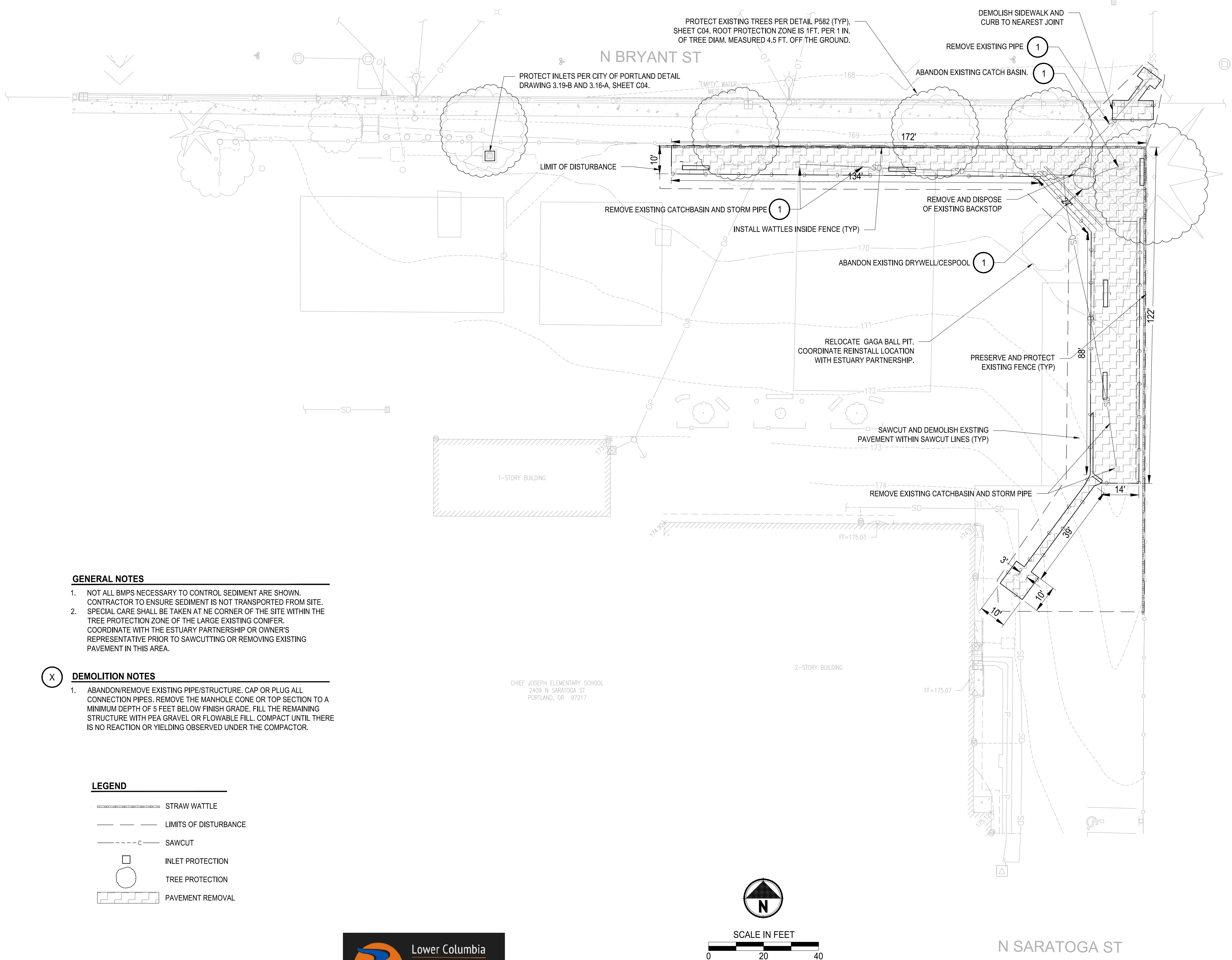
- A. THE ESPCP BMPs SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESPCP BMPs SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS OR SITE CONDITIONS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE. ADDITION AND REMOVAL OF BMPs SHOULD BE DOCUMENTED IN THE DAILY INSPECTION LOG AND, IN CASES OF ESPCP REVISION, ON THE REVISED ESPCP.
- B. THE ESPCP BMPs ON ACTIVE SITES SHALL BE INSPECTED DAILY BY THE ONSITE EROSION AND SEDIMENT CONTROL MANAGER, AND THE EROSION, SEDIMENT, AND POLLUTANT CONTROL BMPs SHALL BE MAINTAINED, ADJUSTED, REPAIRED, AND REPLACED AS NECESSARY, TO ENSURE THAT THE BMPs ARE FUNCTIONING PROPERLY.
- C. THE ESPCP BMPs ON INACTIVE SITES SHALL BE INSPECTED AT LEAST ONCE A MONTH AND WITHIN 24 HOURS FOLLOWING A STORM EVENT, AND EROSION, SEDIMENT, AND POLLUTANT CONTROL BMPs SHALL BE MAINTAINED, ADJUSTED, REPAIRED, AND REPLACED AS NECESSARY, TO ENSURE THAT THE BMPs ARE FUNCTIONING PROPERLY.
- D. TEMPORARY STABILIZATION BMPs SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION BMPs ARE ESTABLISHED.
- E. ALL INSPECTIONS CONDUCTED BY THE ONSITE EROSION AND SEDIMENT CONTROL MANAGER SHALL BE NOTED IN AN INSPECTION LOG INDICATING THE DATE AND TIME OF THE INSPECTION. THE INSPECTION LOG SHALL BE MADE AVAILABLE TO THE DIRECTOR OR DIRECTOR'S DELEGATE UPON REQUEST.
- F. AFTER ESPCP BMP INSTALLATION BUT PRIOR TO PERFORMING OTHER GROUND-DISTURBING ACTIVITIES, A PRECONSTRUCTION EROSION CONTROL INSPECTION SHALL BE APPROVED. THIS INSPECTION MAY BE OBTAINED BY CALLING 503-823-7000 AND REQUESTING A #200 INSPECTION USING THE ASSIGNED INTERACTIVE VOICE RESPONSE (IVR) NUMBER OR PERMIT NUMBER.
- G. AFTER INSTALLATION OF PERMANENT STABILIZATION BMPs, A PERMANENT EROSION CONTROL BMPs INSPECTION SHALL BE APPROVED. A PERMANENT EROSION CONTROL INSPECTION MAY BE OBTAINED BY CALLING 503-823-7000 AND REQUESTING A #210 INSPECTION USING THE PERMIT IVR NUMBER.

PERMANENT STABILIZATION STANDARD NOTES

- A. TEMPORARY STABILIZATION BMPs SHALL BE MAINTAINED UNTIL PERMANENT STABILIZATION BMPs ARE ESTABLISHED.
- B. REPLACEMENT VEGETATIVE COVER MUST NOT INCLUDE PLANTS IN EITHER THE NUISANCE OR THE PROHIBITED PLANT LIST, AS SET FORTH IN THE CITY OF PORTLAND PLANT LIST. COMPLIANCE WITH STATE AND FEDERAL PERMITS STANDARD NOTE.

COMPLIANCE WITH STATE AND FEDERAL PERMITS STANDARD NOTE

- A. COMPLIANCE WITH PORTLAND CITY CODE TITLE 10 AND APPROVAL OF AN ESPCP DOES NOT RELIEVE THE OPERATOR FROM REQUIREMENTS SET FORTH BY OTHER STATE, FEDERAL, AND LOCAL STANDARDS OR REQUIREMENTS. IT IS THE DUTY OF THE RESPONSIBLE PARTY TO OBTAIN PERMIT COVERAGE AND ENSURE COMPLIANCE WITH ALL REGULATORY AGENCIES, PERMIT CONDITIONS, AND PERFORMANCE STANDARDS.



GENERAL NOTES

- NOT ALL BMPs NECESSARY TO CONTROL SEDIMENT ARE SHOWN. CONTRACTOR TO ENSURE SEDIMENT IS NOT TRANSPORTED FROM SITE.
- SPECIAL CARE SHALL BE TAKEN AT NE CORNER OF THE SITE WITHIN THE TREE PROTECTION ZONE OF THE LARGE EXISTING CONIFER. COORDINATE WITH THE ESTUARY PARTNERSHIP OR OWNER'S REPRESENTATIVE PRIOR TO SAWCUTTING OR REMOVING EXISTING PAVEMENT IN THIS AREA.

DEMOLITION NOTES

- ABANDON/REMOVE EXISTING PIPE/STRUCTURE. CAP OR PLUG ALL CONNECTION PIPES. REMOVE THE MANHOLE CONE OR TOP SECTION TO A MINIMUM DEPTH OF 5 FEET BELOW FINISH GRADE. FILL THE REMAINING STRUCTURE WITH PEA GRAVEL OR FLOWABLE FILL. COMPACT UNTIL THERE IS NO REACTION OR YIELDING OBSERVED UNDER THE COMPACTOR.

LEGEND

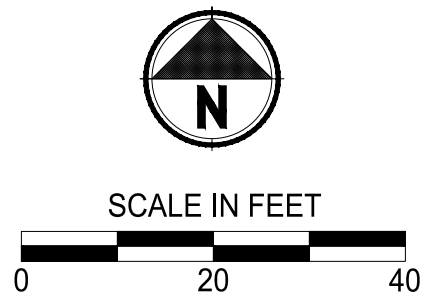
- STRAW WATTLE
- LIMITS OF DISTURBANCE
- SAWCUT
- INLET PROTECTION
- TREE PROTECTION
- PAVEMENT REMOVAL



Parametrix



RENEW: 06/30/2026



N SARATOGA ST

100 % SUBMITTAL

REVISIONS	DATE	BY	DESIGNED
			S. SOKOL
			DRAWN
			E. JOHNSON, A. FLORES-RAMIREZ
			CHECKED
			C. BUITRAGO
			APPROVED

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
XPO3324010C-C01-TESC
JOB No.
273-3324-010
DATE
10/31/25

PROJECT NAME
CHIEF JOSEPH ELEMENTARY STORMWATER RETROFIT PORTLAND, OREGON

DEMOLITION & TEMPORARY EROSION AND SEDIMENT CONTROL PLAN
--

DRAWING NO. 2 OF 10
C01

LAYOUT: C02 SITE PLAN
PATH: U:\Port\Projects\Clients\3243-LwColumbiaRvEst\273-3243-010 Chief Joseph Elem Stormwater\995\cs\CADD\DWG
PLOTTED BY: SokoSet DATE: Wednesday, November 5, 2025 12:35:24 PM

GENERAL NOTES

1. STORM PIPE FOR LOW COVER APPLICATIONS SHALL BE ASTM D3350 SDR 32.5 HDPE, AWWA C900 DR25 PVC, ANSI A 21.51 OR AWWA C151 DI PIPE, OR APPROVED EQUAL.
2. STANDARD STORM PIPE SHALL BE SDR32.5 AWWA C906 OR ASTM F714 HDPE, SDR35 ASTM D3034 OR AWWA C900 PVC.
3. RESTORE ALL PAVEMENT AND LANDSCAPED AREAS. MATCH EXISTING SECTION. RESTORE PAVEMENT IN ROW PER COP DETAIL P-505 AND ODOT DETAIL RD302, SHEET C07.

CONSTRUCTION NOTES

1. INSTALL MANHOLE HOLE. SEE DETAIL RD342, SHEET C07. CONNECT EXISTING PIPES. VERIFY DEPTH OF EXISTING PIPES PRIOR TO INSTALLING ANY PIPES OR STORMWATER FACILITIES.
2. PLUG SOUTH PIPE WITH 8" CHERNE® END-OF-PIPE-GRIPPER® PLUG (PART 270270), OR APPROVED EQUAL.
3. INSTALL 45 LF 8" STORM PIPE FOR LOW COVER.
4. INSTALL BOULDERS. SEE LANDSCAPE PLANS, SHEET L01.
5. CONSTRUCT NORTH STORMWATER PLANTER. SEE DETAIL SHEET C04 AND L01.
6. CONSTRUCT EAST STORMWATER PLANTER. SEE DETAIL SHEET C05 AND L01.
7. INSTALL MAINTENANCE MANHOLE WITH 24" FRAME AND COVER. SEE COP DETAIL P-150, SHEET C08.
8. INSTALL 17 LF OF 8" STORM PIPE.
9. INSTALL 28 LF OF 8" STORM PIPE.
10. INSTALL 44 LF OF 8" STORM PIPE.
11. INSTALL 8" TIDEFLEX CIL - SERIES 37G INLINE CHECK VALVE, OR APPROVED EQUAL IN OUTLET PIPE.
12. CONNECT TO EXISTING STRUCTURE WITH 106 SERIES KOR-N-SEAL PIPE TO MANHOLE CONNECTOR, OR APPROVED EQUAL.
13. CONSTRUCT BENCH. SEE LANDSCAPE PLANS, SHEET L01.
14. CONSTRUCT CONCRETE PAVEMENT PER DETAIL 3, SHEET C06.
15. CONSTRUCT CONCRETE COBBLE EMBEDDED PAVEMENT PER DETAIL 3, SHEET C05 AND CONSTRUCTION NOTE 3 SHEET L01.
16. INSTALL 22 LF 4" PERFORATED UNDERDRAIN PIPE.
17. INSTALL 43 LF 4" PERFORATED UNDERDRAIN PIPE.
18. INSTALL EROSION CONTROL PAD AT CURB CUT INLET AND ALONG FOREBAY OUTLET. PADS SHALL BE NATURAL FLAGSTONE, SINGLE PIECE MINIMUM DIMENSIONS 2 FT. WIDTH, 2FT LENGTH, 1.0 IN THICK.
19. CURB CUT INLET. SEE DETAIL 1, SHEET C07.
20. MODIFIED FULL HEIGHT CURB, SEE DETAIL 1, SHEET C07.
21. PLACE BROWN HARDWOOD MULCH 2-4 INCH THICK.



SCALE IN FEET



N BRYANT ST

"EMPTY" WATER
METER BOX

FUTURE SOCCER FIELD (BY
OTHERS)

1-STORY BUILDING

LEGEND

- COBBLE EMBEDDED CONCRETE
- CONCRETE
- PAVEMENT RESTORATION CONCRETE/ASPHALT
- BROWN HARDWOOD MULCH
- STORMWATER PLANTER
- FLOW DIRECTION
- PERFORATED UNDERDRAIN
- STORM PIPE

SSMH
RM=167.88
IE 8" CONC (N)=158.08
IE 6" CONC (SE)=159.08
IE 8" CONC (SW)=159.18

100 % SUBMITTAL

REVISIONS	DATE	BY	DESIGNED
			S. SOKOL
			DRAWN
			E. JOHNSON, A. FLORES-RAMIREZ
			CHECKED
			C. BUITRAGO
			APPROVED

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY
FILE NAME
XPO3324010C-SITE PLAN
JOB No.
273-3324-010
DATE
10/31/25



RENEW: 06/30/2026



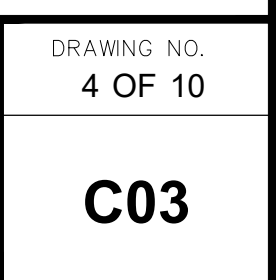
Parametrix

PROJECT NAME
CHIEF JOSEPH ELEMENTARY
STORMWATER RETROFIT
PORTLAND, OREGON

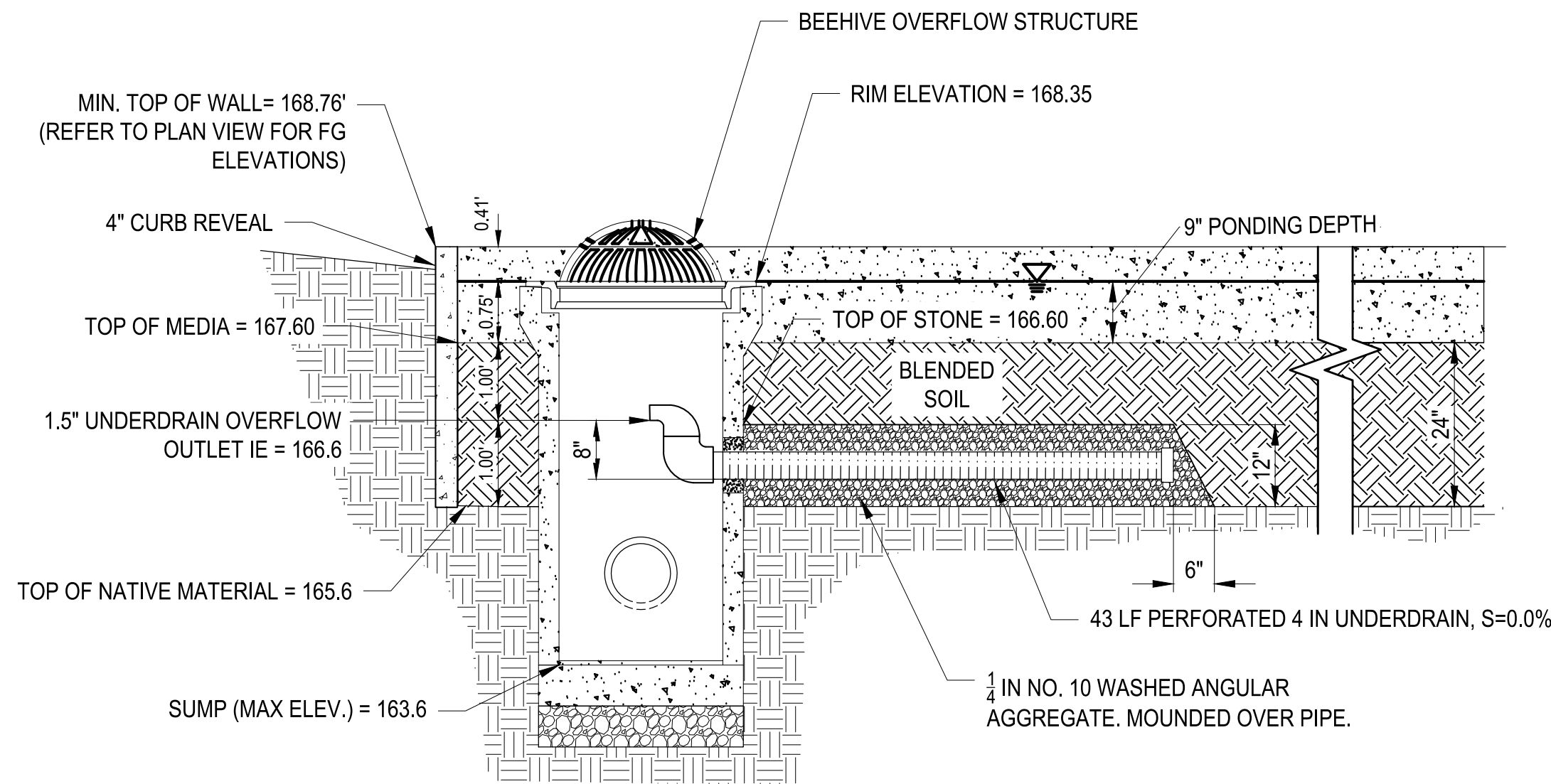
SITE PLAN

DRAWING NO.
3 OF 10

C02



LAYOUT: C04 NORTH STORMWATER PLANTER DETAIL SHEET
PATH: U:\Per\Projects\Clients\3243-LwrColumbiaRv\Est\273-3243-010 Chief Joseph Elem Stormwater\95\Spec\CADD\DWG
PLOTTED BY: SokolSet DATE: Wednesday, November 5, 2025 12:35:47 PM



NORTH PLANTER SECTION A:A

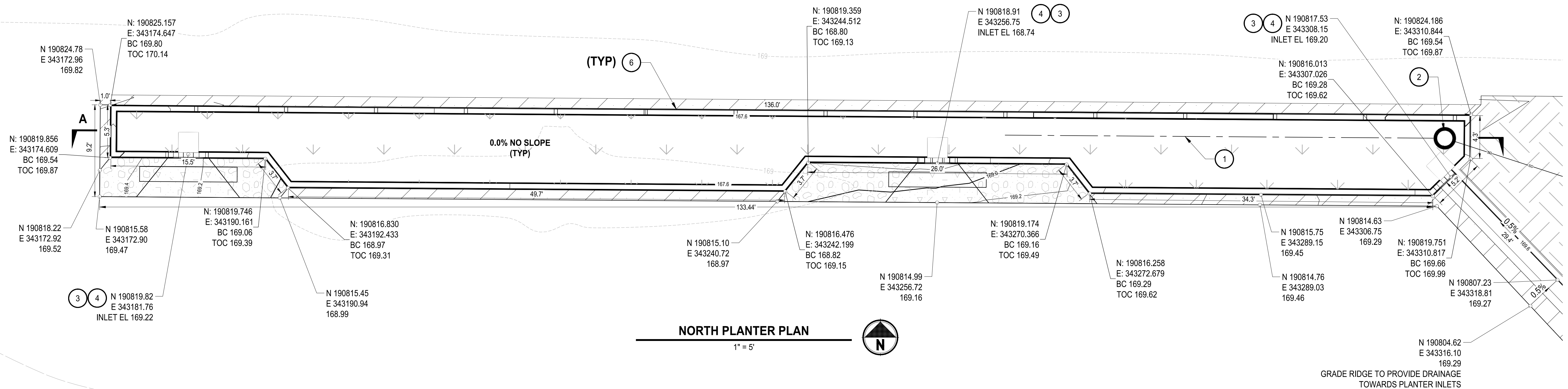
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GENERAL NOTES

1. TOP OF WALL ELEVATIONS TO MATCH EXISTING TOP OF PAVEMENT PLUS 4 INCHES.
2. BLENDED SOIL SHALL BE PORTLAND BES "HIGH-FINES" BLEND. REFER TO BES SWMM WEBSITE'S "STORMWATER FACILITY BLENDED SOIL VENDOR HAULING LIST" FOR SUPPLIERS.
(<https://www.portland.gov/bes/stormwater/documents/stormwater-facility-blended-soil-vendors-and-haulers/download>)

CONSTRUCTION NOTES

1. INSTALL 4-INCH PERFORATED HDPE UNDERDRAIN PIPING MEETING ASTM F667, SUCH AS PERFORATED CORTEX, OR APPROVED EQUAL.
2. INSTALL 24 IN BEEHIVE OVERFLOW GRATE PER DETAIL, P-309, SHEET C07. INSTALL 4 IN UV-RESISTANT (OR PAINTED) PVC ELBOWS AND BUSHING TO REDUCE TO 1 1/2 IN DIAMETER. INSTALL 4 IN UV RESISTANT (OR PAINTED) FLEXIBLE COUPLER AT CONNECTION WITH PERFORATED PIPE.
3. INSTALL EROSION CONTROL PAD AT CURB CUT INLET AND ALONG FOREBAY OUTLET. PADS SHALL BE NATURAL FLAGSTONE, SINGLE PIECE MINIMUM DIMENSIONS 2 FT. WIDTH, 2FT LENGTH, 1.0 IN THICK.
4. CURB CUT INLET. SEE DETAIL 1, SHEET C07.
5. INSTALL EROSION CONTROL PADS PER CONSTRUCTION NOTE 3 ALONG THE FULL LENGTH OF THE FOREBAY.
6. INSTALL CURB NOTCH EVERY 9' ON FENCE SIDE WALL PER DETAIL P-307, SHEET C07.

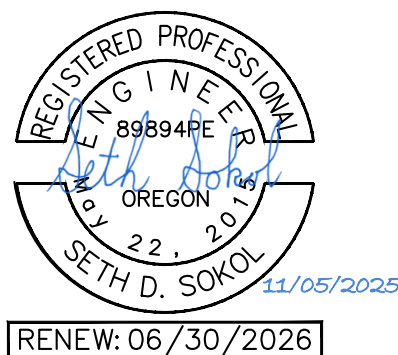


NORTH PLANTER PLAN

1" = 5'



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ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY
FILE NAME
XPO3324010C-DETAIL SHEETS
JOB No.
273-3324-010
DATE
10/31/25

DESIGNED
S. SOKOL
DRAWN
E. JOHNSON, A. FLORES-RAMIREZ
CHECKED
C. BUITRAGO
APPROVED

REVISIONS	DATE	BY

PROJECT NAME
CHIEF JOSEPH ELEMENTARY
STORMWATER RETROFIT
PORTLAND, OREGON

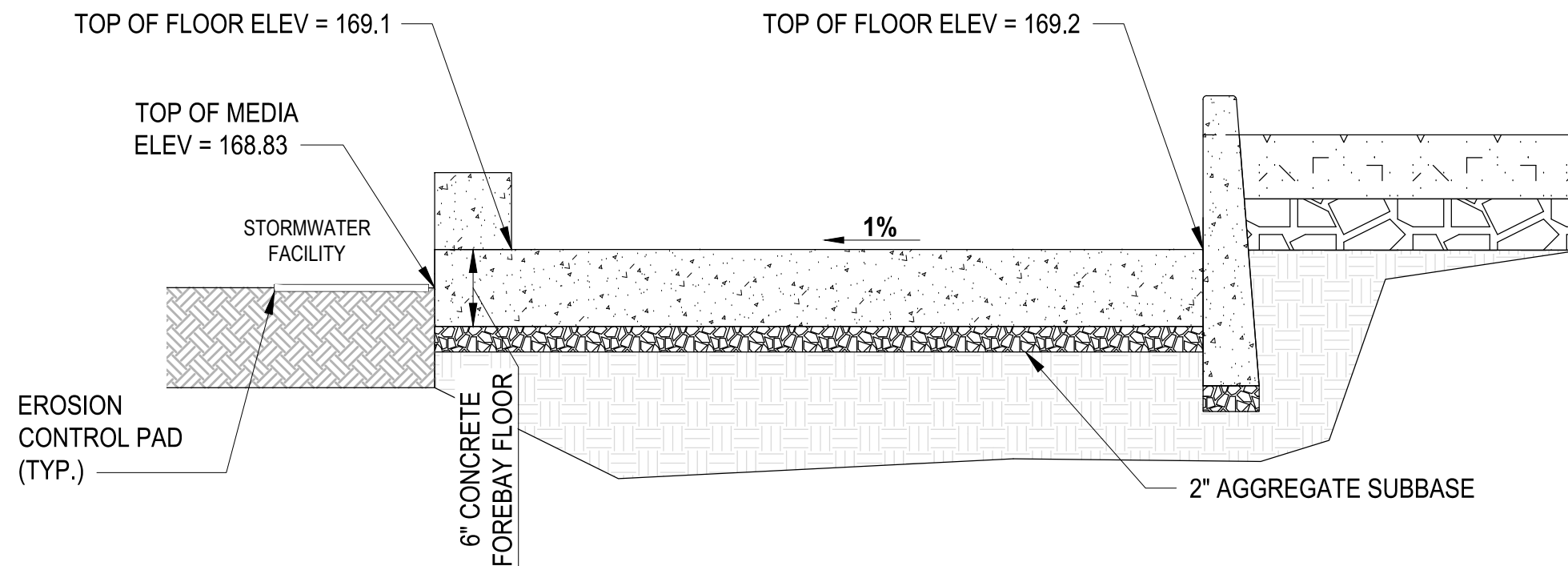
NORTH STORMWATER
PLANTER DETAILS

DRAWING NO.
5 OF 10

C04

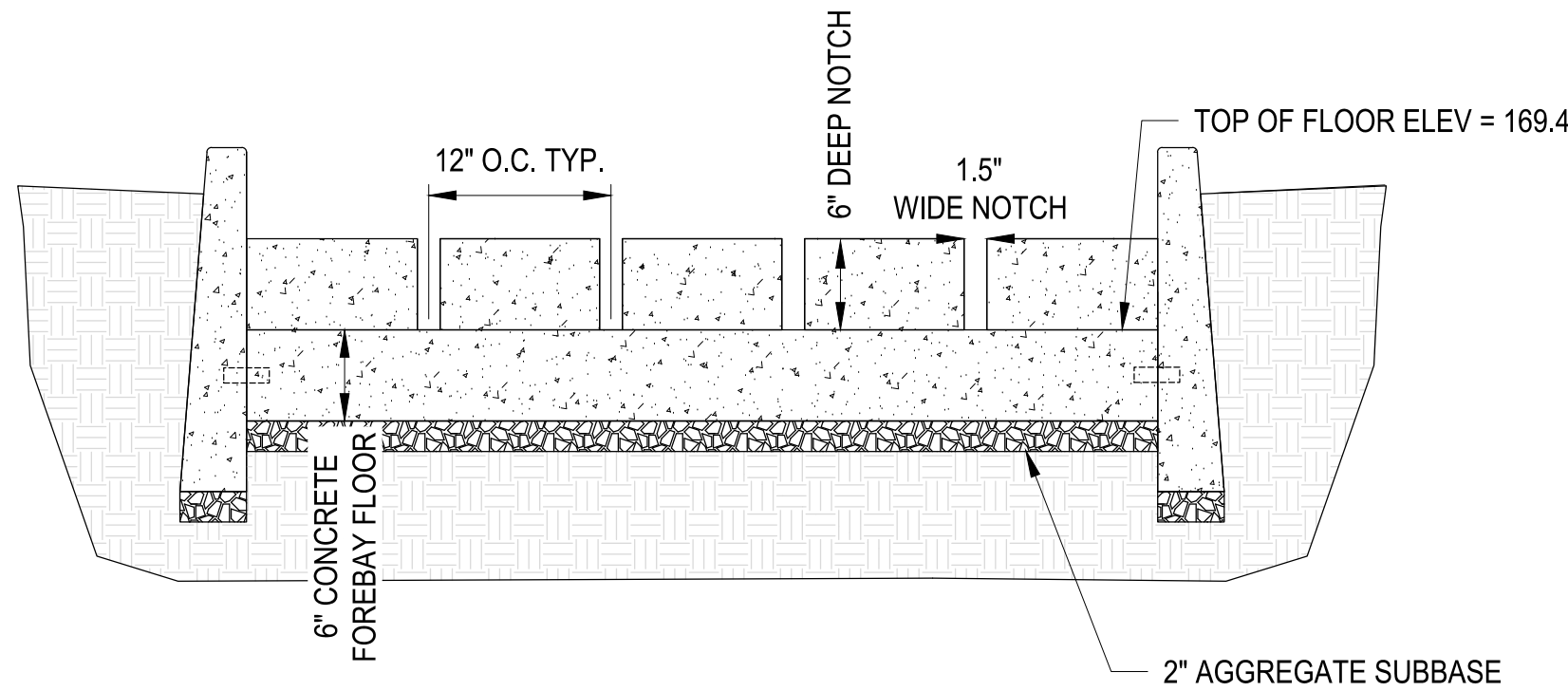
100 % SUBMITTAL

LAYOUT: C05 EAST STORMWATER PLANTER DETAIL SHEET PATH: U:\PortV\Projects\Clients\3243-LwcColumbiaR\res\273-3243-010_Chief_Joseph_Elem_Stormwater\995vcs\CADD\DWG PLOTTED BY: SokolSet DATE: Wednesday, November 5, 2025 12:35:51 PM



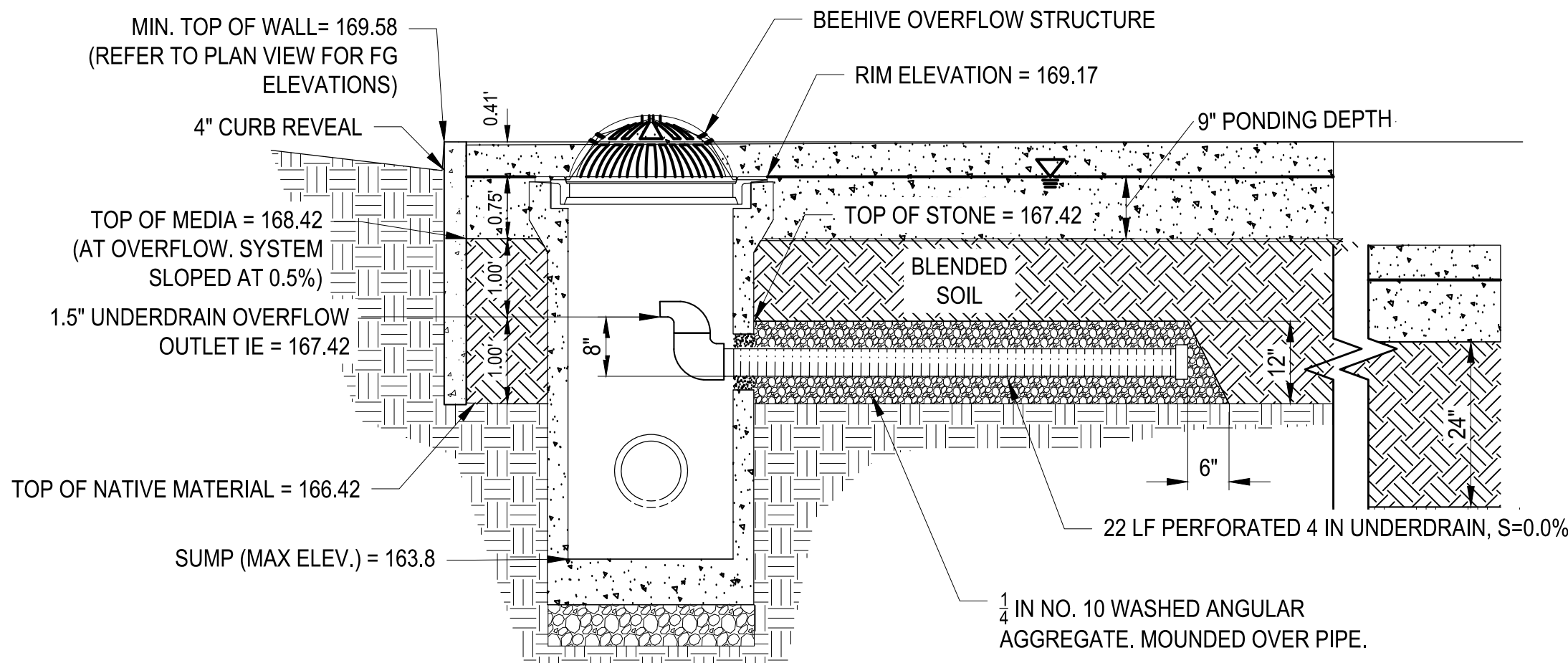
FOREBAY SECTION D:D

NTS



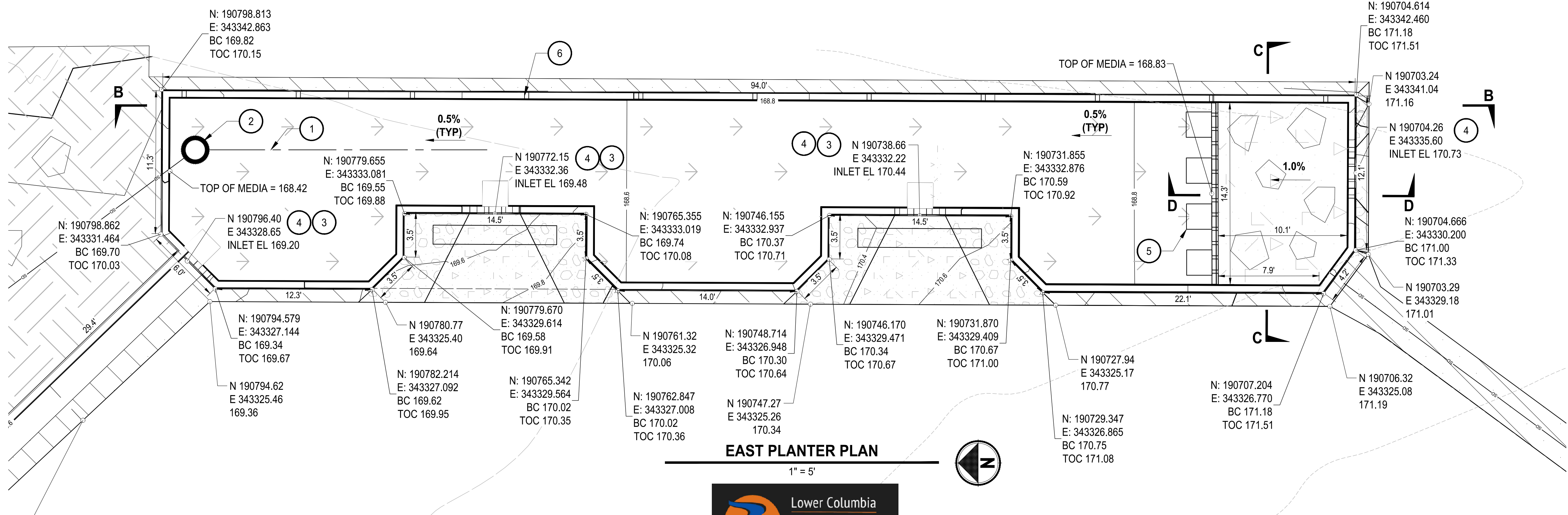
FOREBAY SECTION C:C

NTS



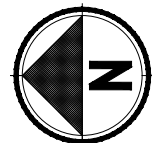
EAST PLANTER SECTION B:B

NTS

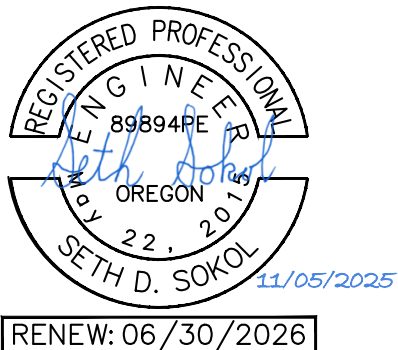


EAST PLANTER PLAN

1" = 5'



Parametrix



ONE INCH AT FULL SCALE.
IF NOT, SCALE ACCORDINGLY

FILE NAME
XPO3324010C-DETAIL SHEETS

JOB No.
273-3324-010

DATE
10/31/25

REVISIONS	DATE	BY	DESIGNED S. SOKOL
			DRAWN E. JOHNSON, A. FLORES-RAMIREZ
			CHECKED C. BUITRAGO
			APPROVED

PROJECT NAME
**CHIEF JOSEPH ELEMENTARY
STORMWATER RETROFIT**
PORTLAND, OREGON

**EAST STORMWATER
PLANTER DETAILS**

DRAWING NO.
6 OF 10

C05

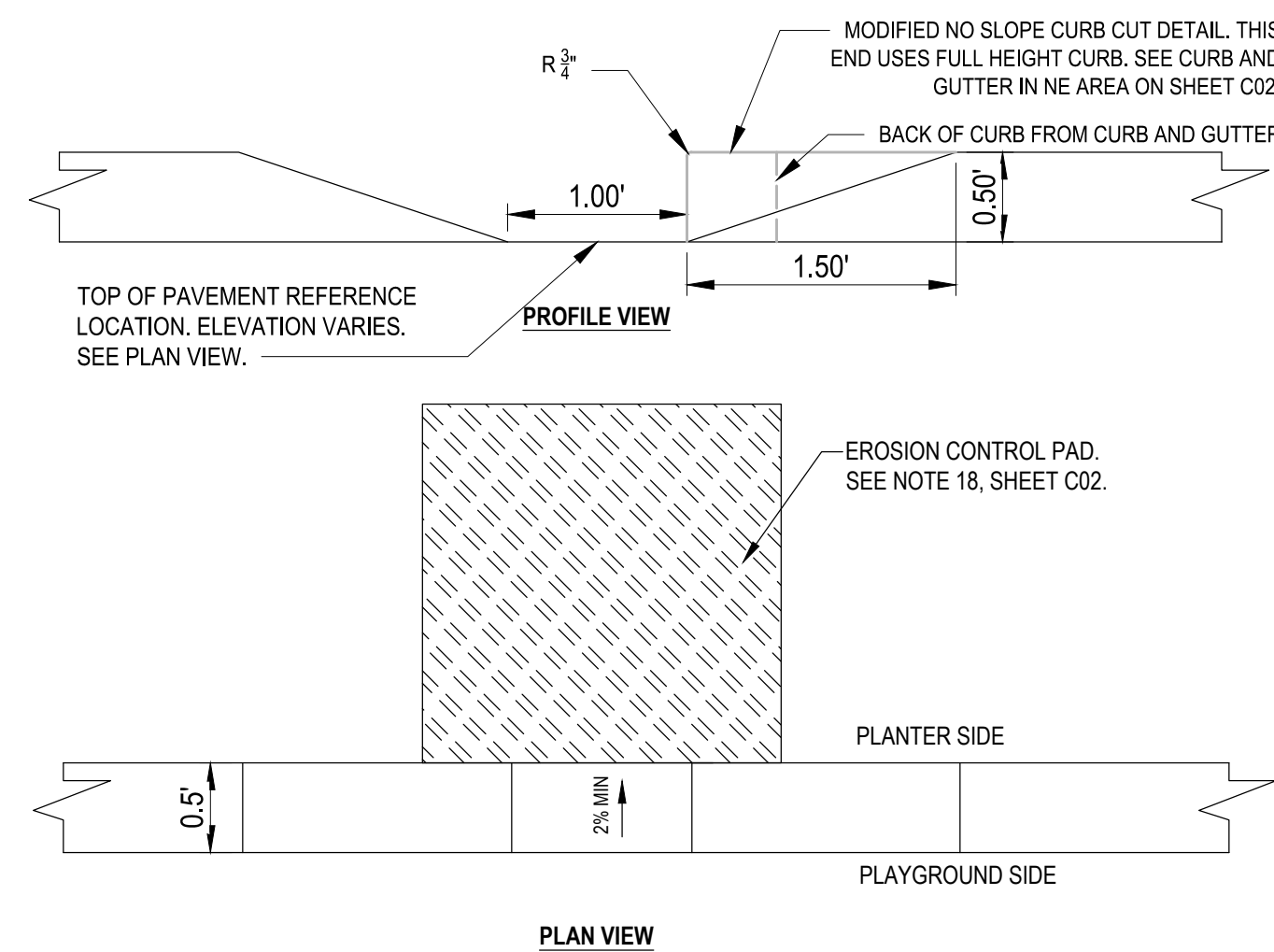
GENERAL NOTES

1. TOP OF WALL ELEVATIONS TO MATCH EXISTING TOP OF PAVEMENT PLUS 4 INCHES.
2. BLENDED SOIL SHALL BE PORTLAND BES "HIGH-FINES" BLEND. REFER TO BES SWMM WEBSITE'S "STORMWATER FACILITY BLENDED SOIL VENDOR HAULING LIST" FOR SUPPLIERS.
(<https://www.portland.gov/bes/stormwater/documents/stormwater-facility-blended-soil-vendors-and-haulers/download>)

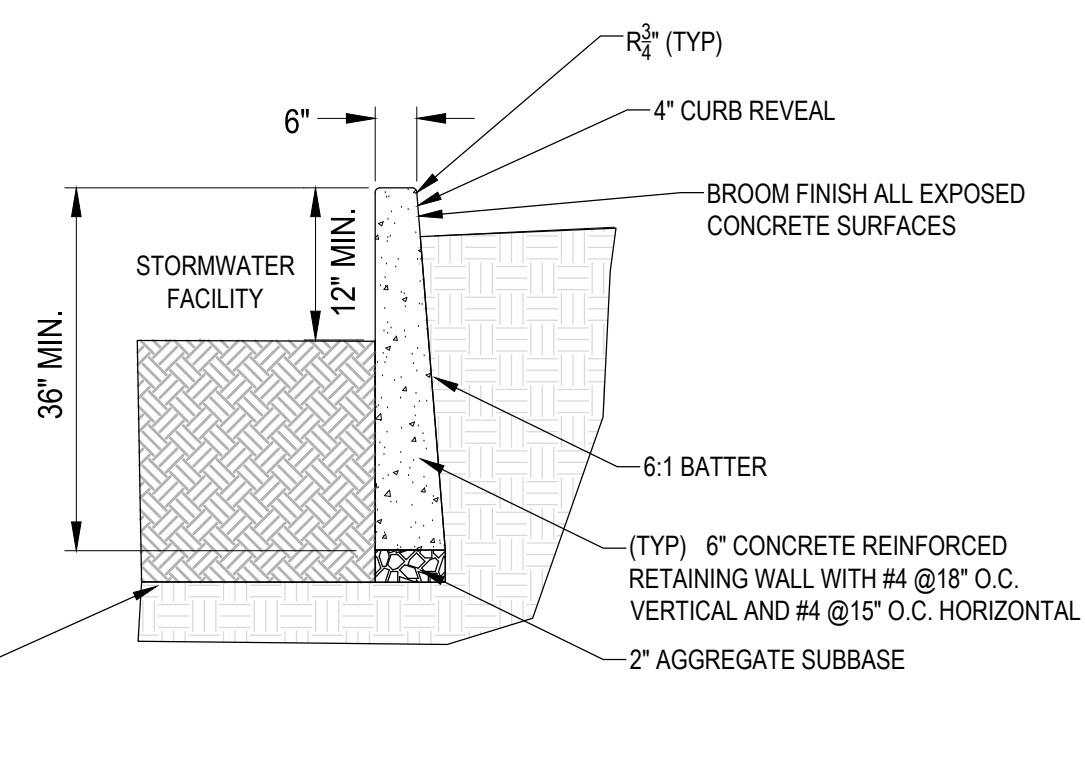
CONSTRUCTION NOTES

1. INSTALL 4-INCH PERFORATED HDPE UNDERDRAIN PIPING MEETING ASTM F667, SUCH AS PERFORATED CORTEX, OR APPROVED EQUAL.
2. INSTALL 24 IN BEEHIVE OVERFLOW GRATE PER DETAIL, P-309, SHEET C07. INSTALL 4 IN UV-RESISTANT (OR PAINTED) PVC ELBOWS AND BUSHING TO REDUCE TO 1 1/2 IN DIAMETER. INSTALL 4 IN UV RESISTANT (OR PAINTED) FLEXIBLE COUPLER AT CONNECTION WITH PERFORATED PIPE.
3. INSTALL EROSION CONTROL PAD AT CURB CUT INLET AND ALONG FOREBAY OUTLET. PADS SHALL BE NATURAL FLAGSTONE, SINGLE PIECE MINIMUM DIMENSIONS 2 FT. WIDTH, 2FT LENGTH, 1.0 IN THICK.
4. CURB CUT INLET. SEE DETAIL 1, SHEET C07.
5. INSTALL EROSION CONTROL PADS PER CONSTRUCTION NOTE 3 ALONG THE FULL LENGTH OF THE FOREBAY.
6. INSTALL CURB NOTCH EVERY 9' ON FENCE SIDE WALL PER DETAIL P-307, SHEET C07.

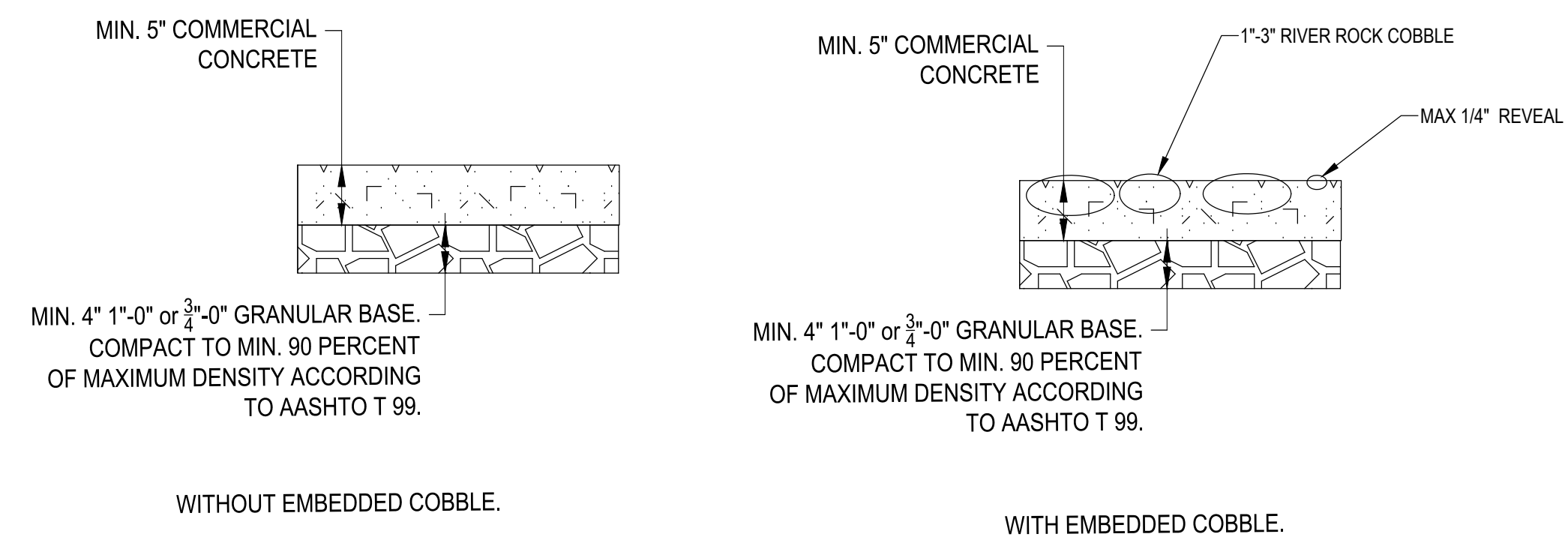
100 % SUBMITTAL



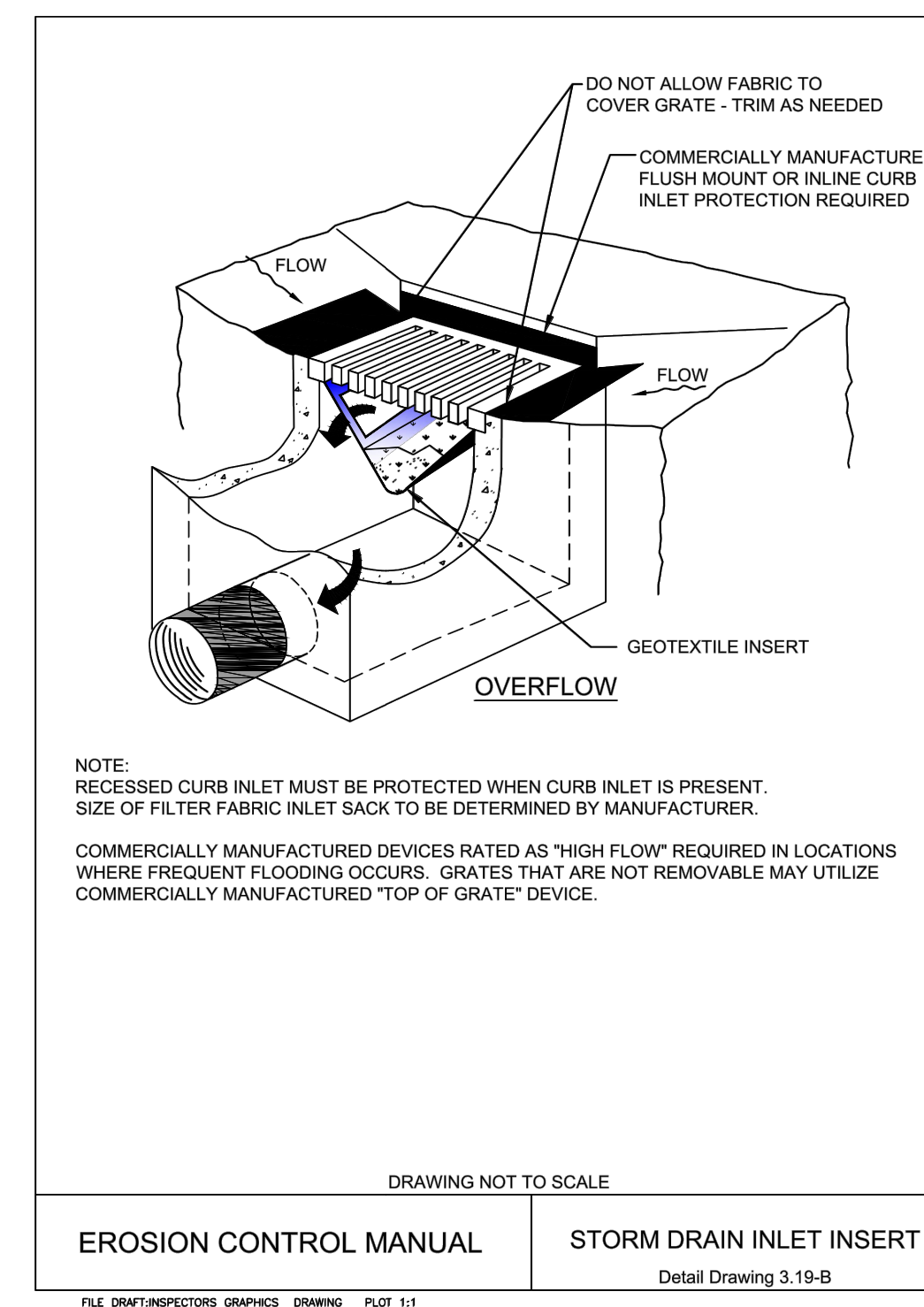
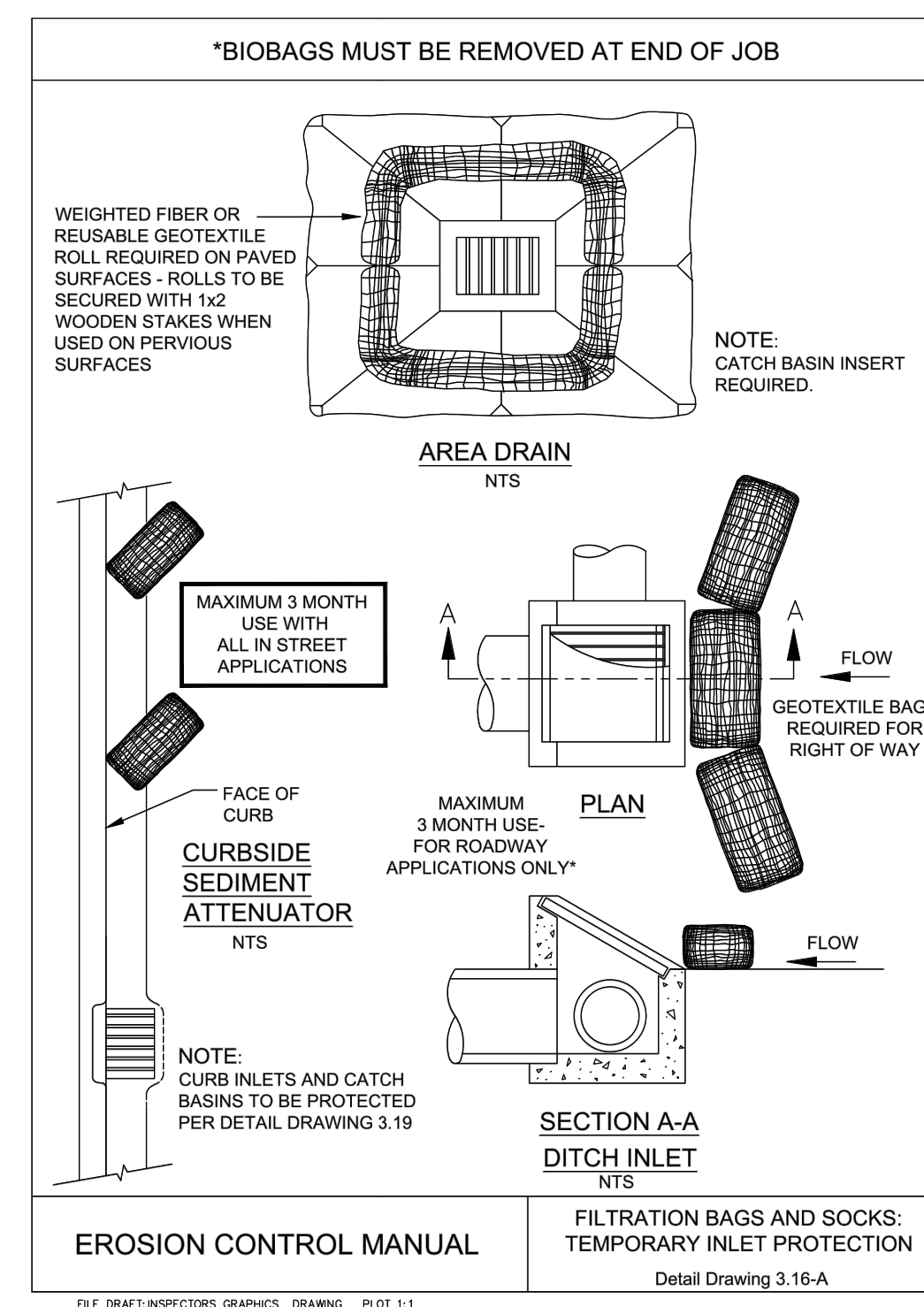
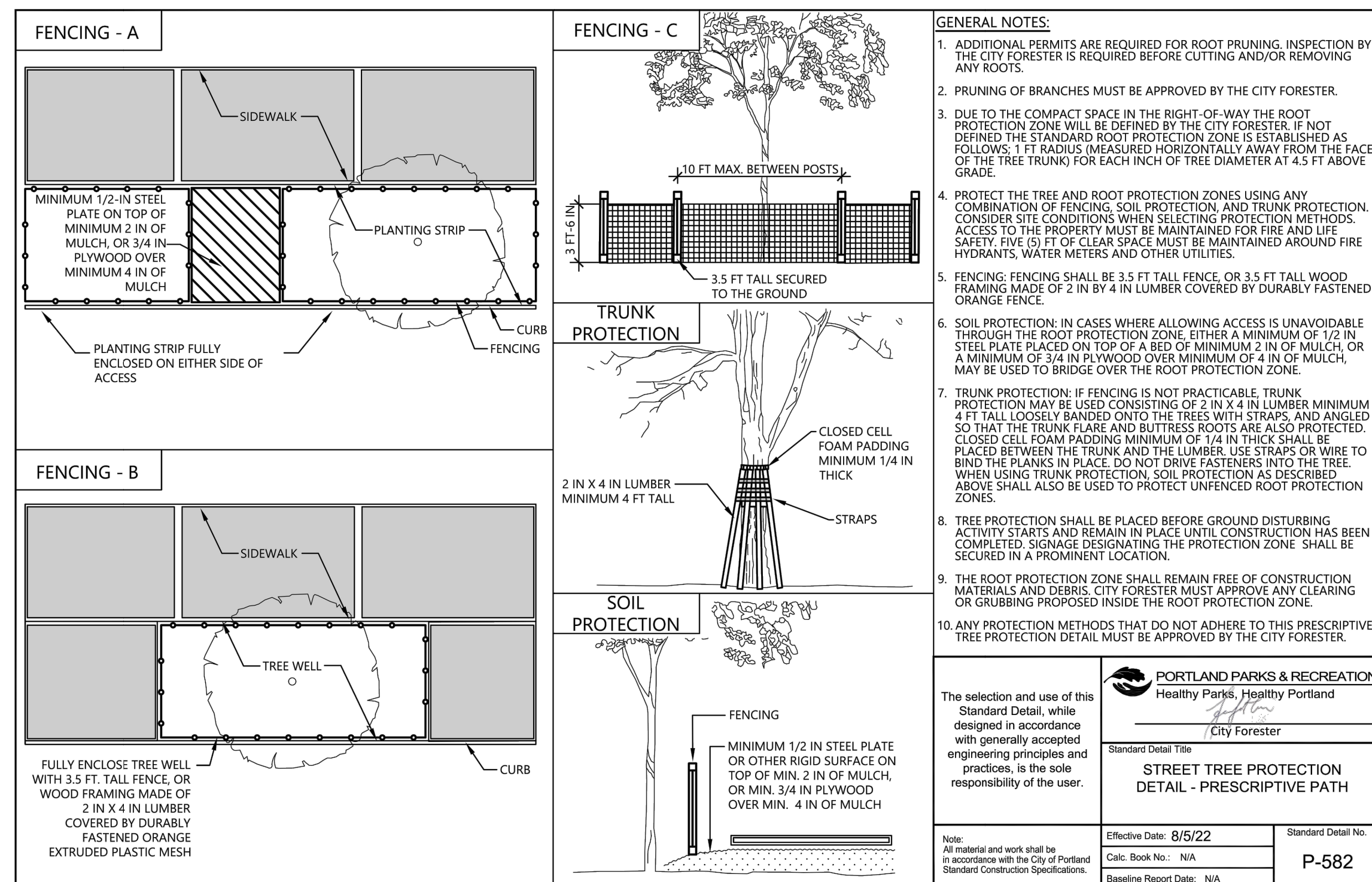
1 TYPICAL CURB CUT PLAN & PROFILE DETAIL



2 PLANTER WALL DETAIL



3 TYPICAL PORTLAND CEMENT CONCRETE PAVEMENT SECTION

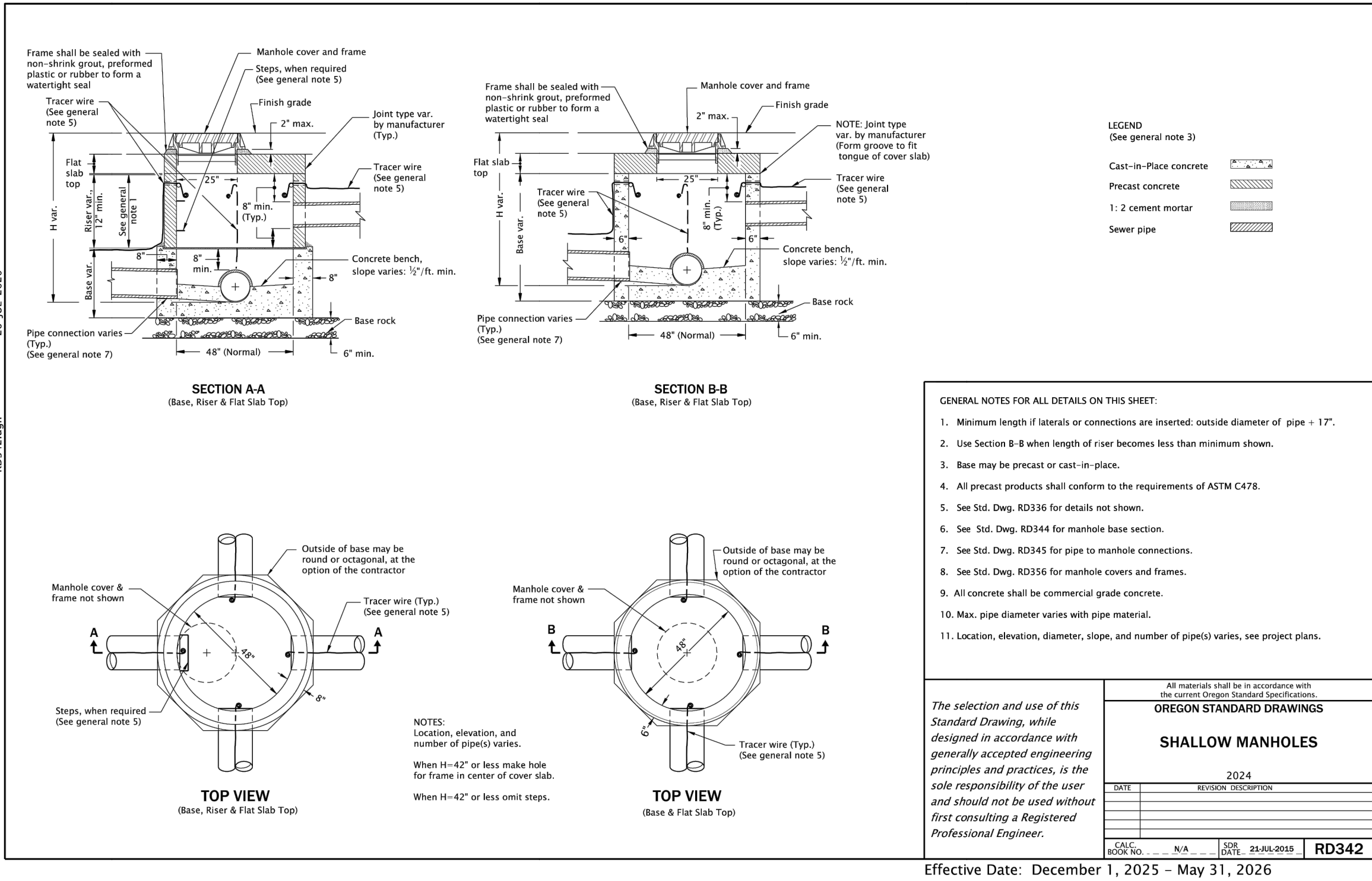
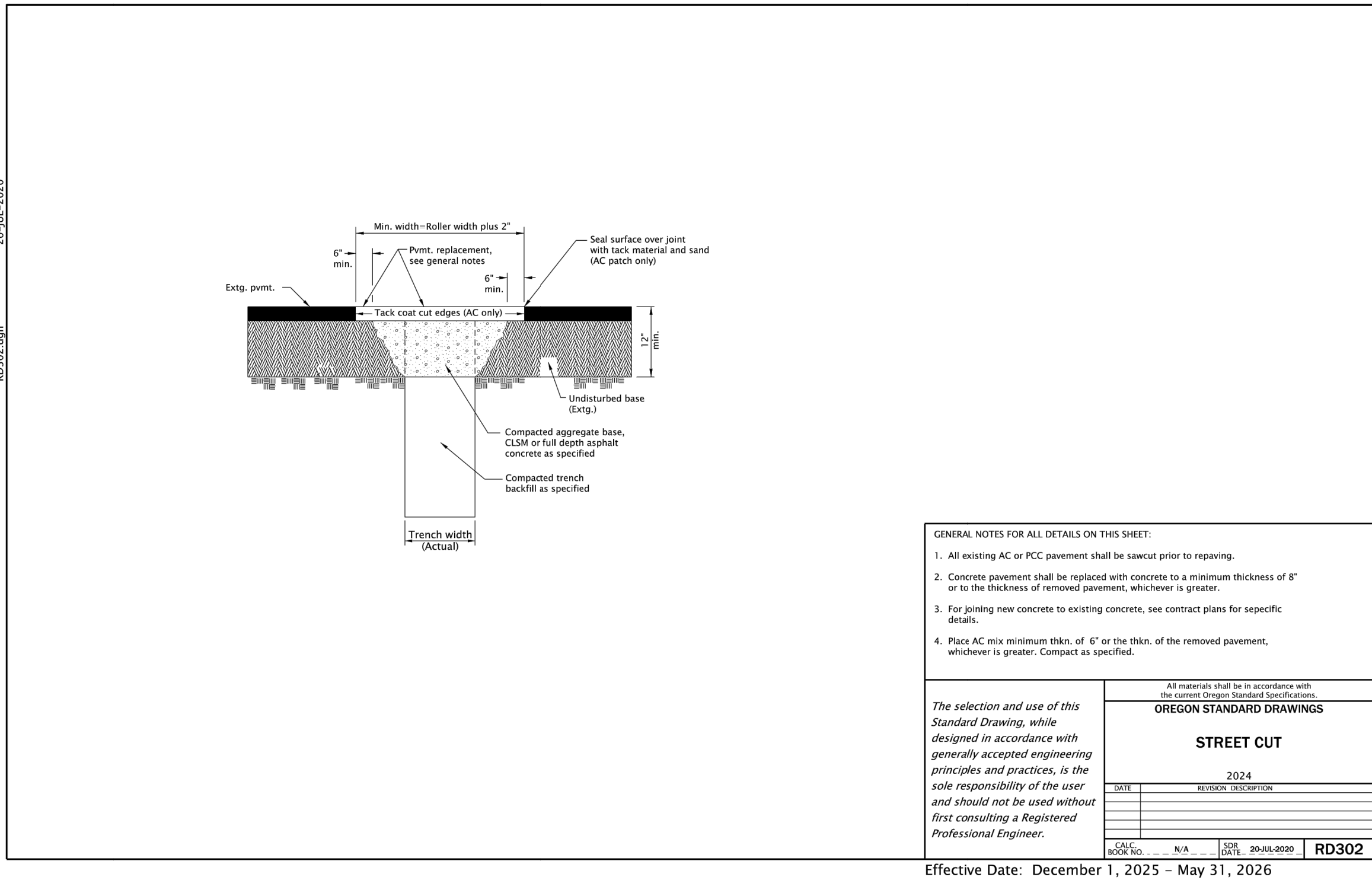
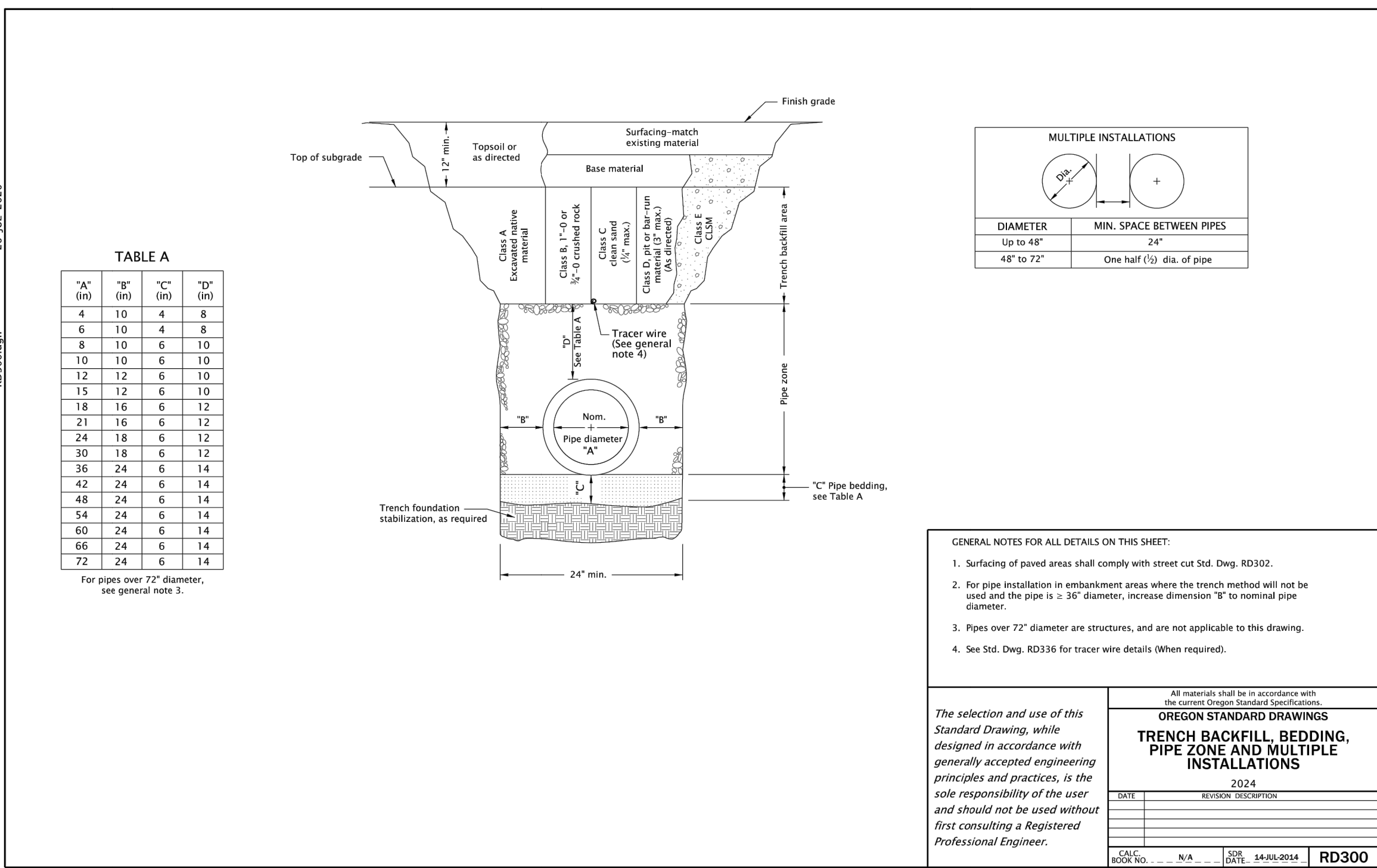
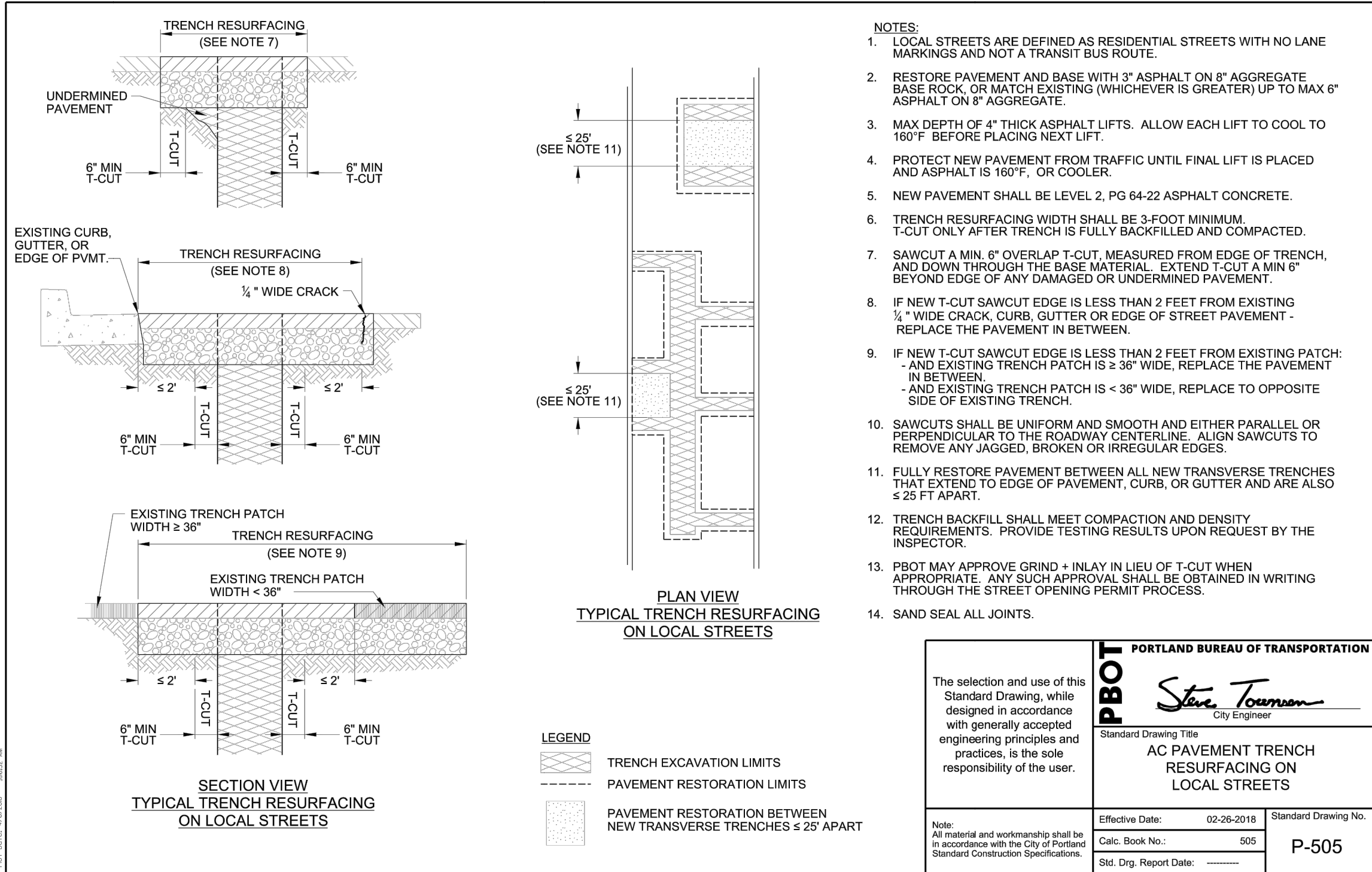


LAYOUT: C07 DETAILS SHEET

 PATH: u:\PortV\Projects\Clients\3243-LwColumbiaGrvEst\273-3243-010 Chief Joseph Elem Stormwater\995xcs\CADD\DWG

 PLOTTED BY: SokolSet

 DATE: Wednesday, November 5, 2025 12:36:02 PM



Parametrix

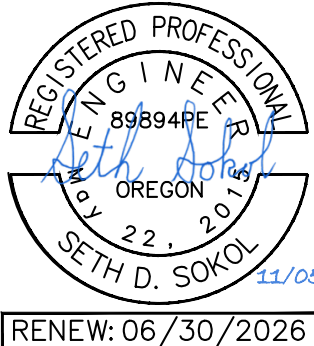
PROJECT NAME
**CHIEF JOSEPH ELEMENTARY
 STORMWATER RETROFIT**
 PORTLAND, OREGON

DETAILS SHEET

DRAWING NO.
 8 OF 10

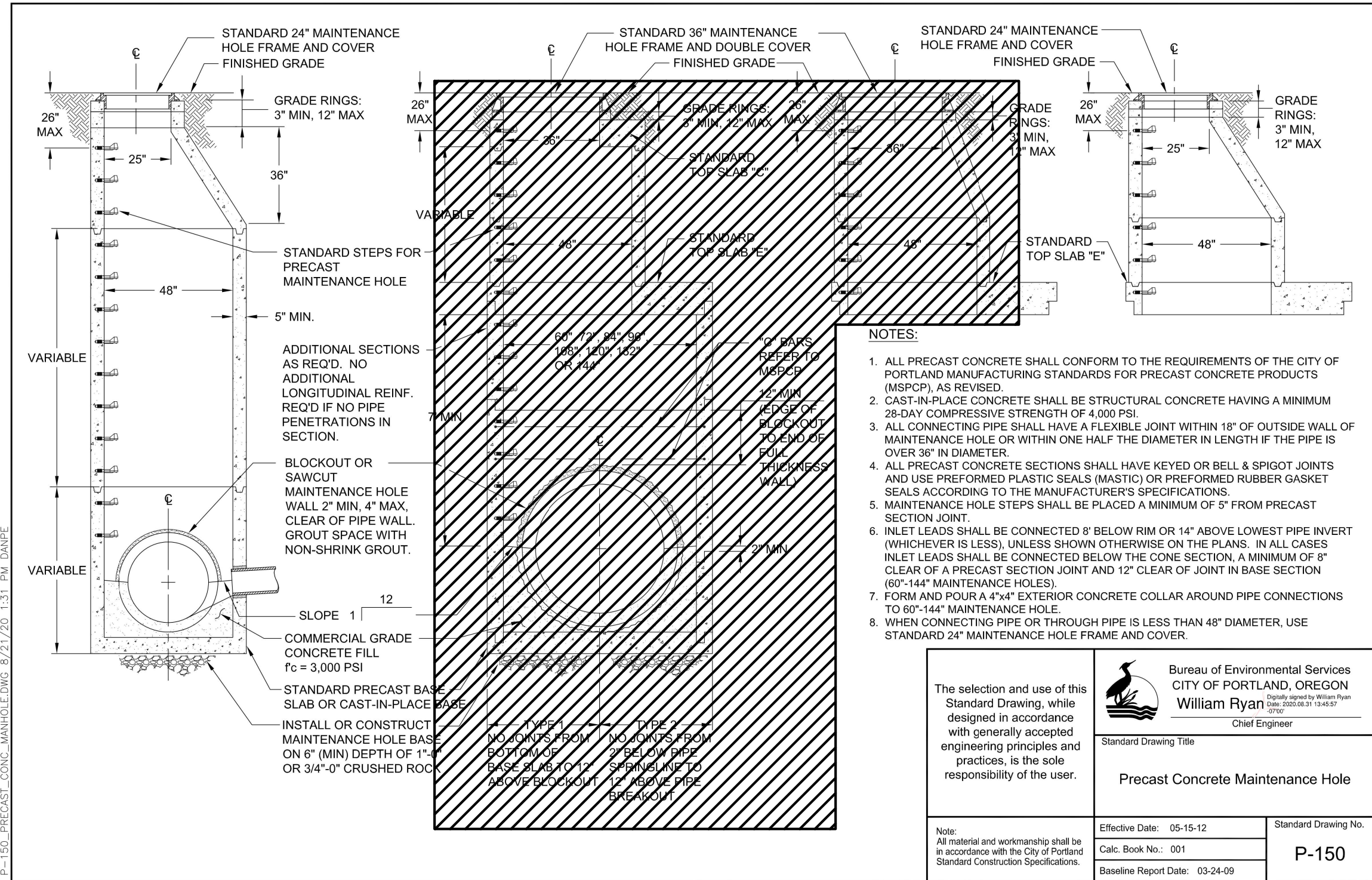
C07

100 % SUBMITTAL



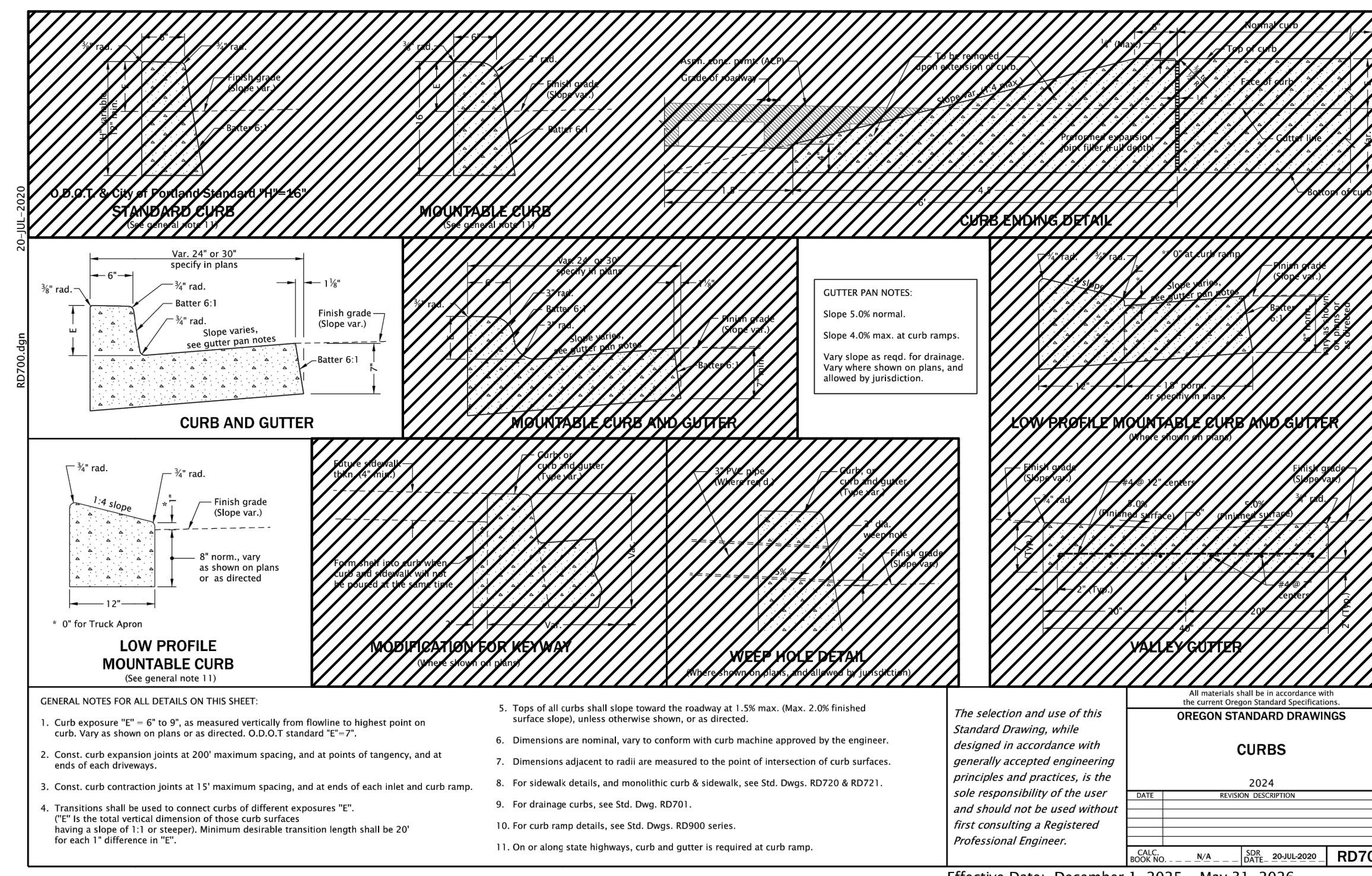
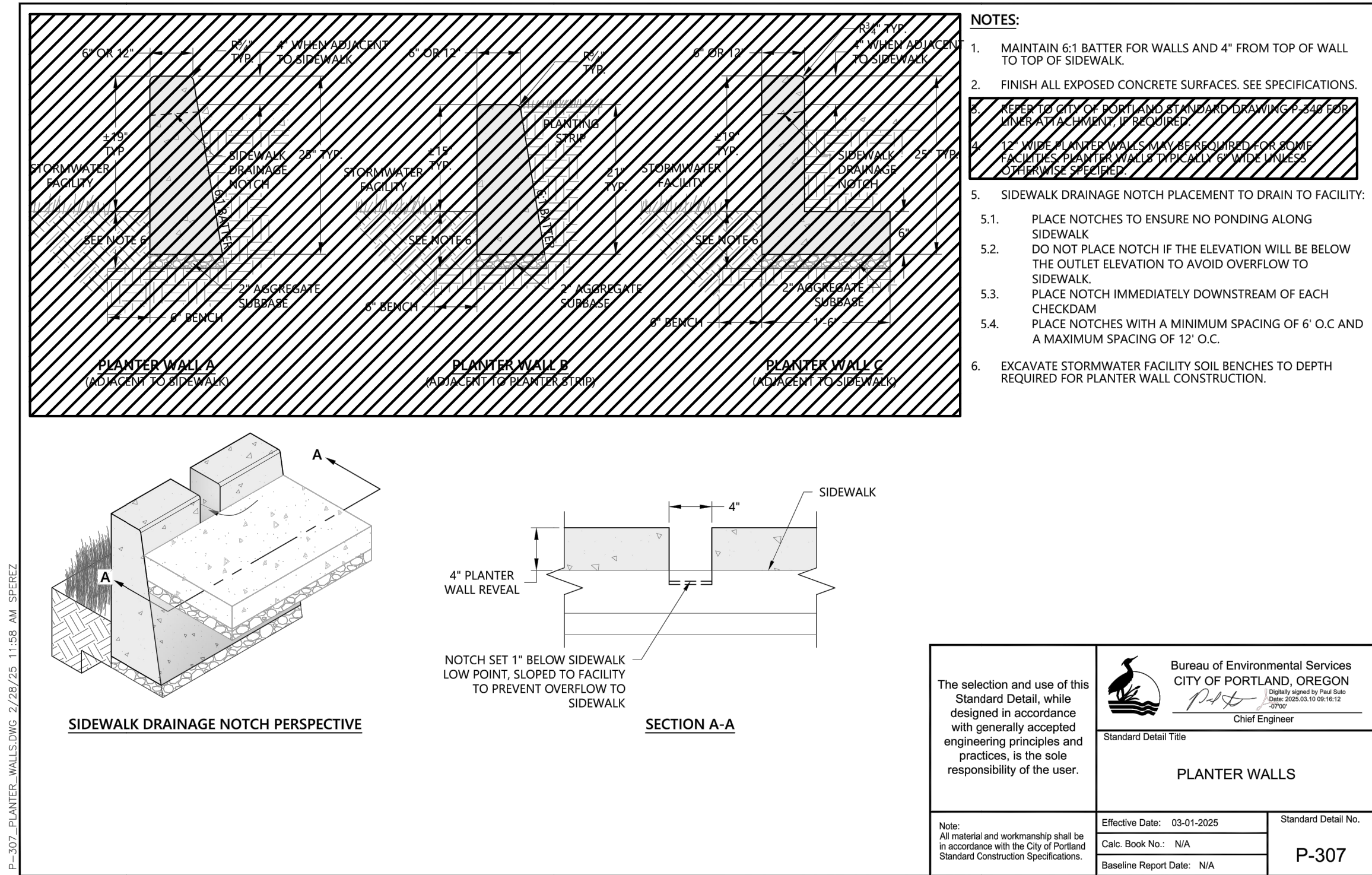
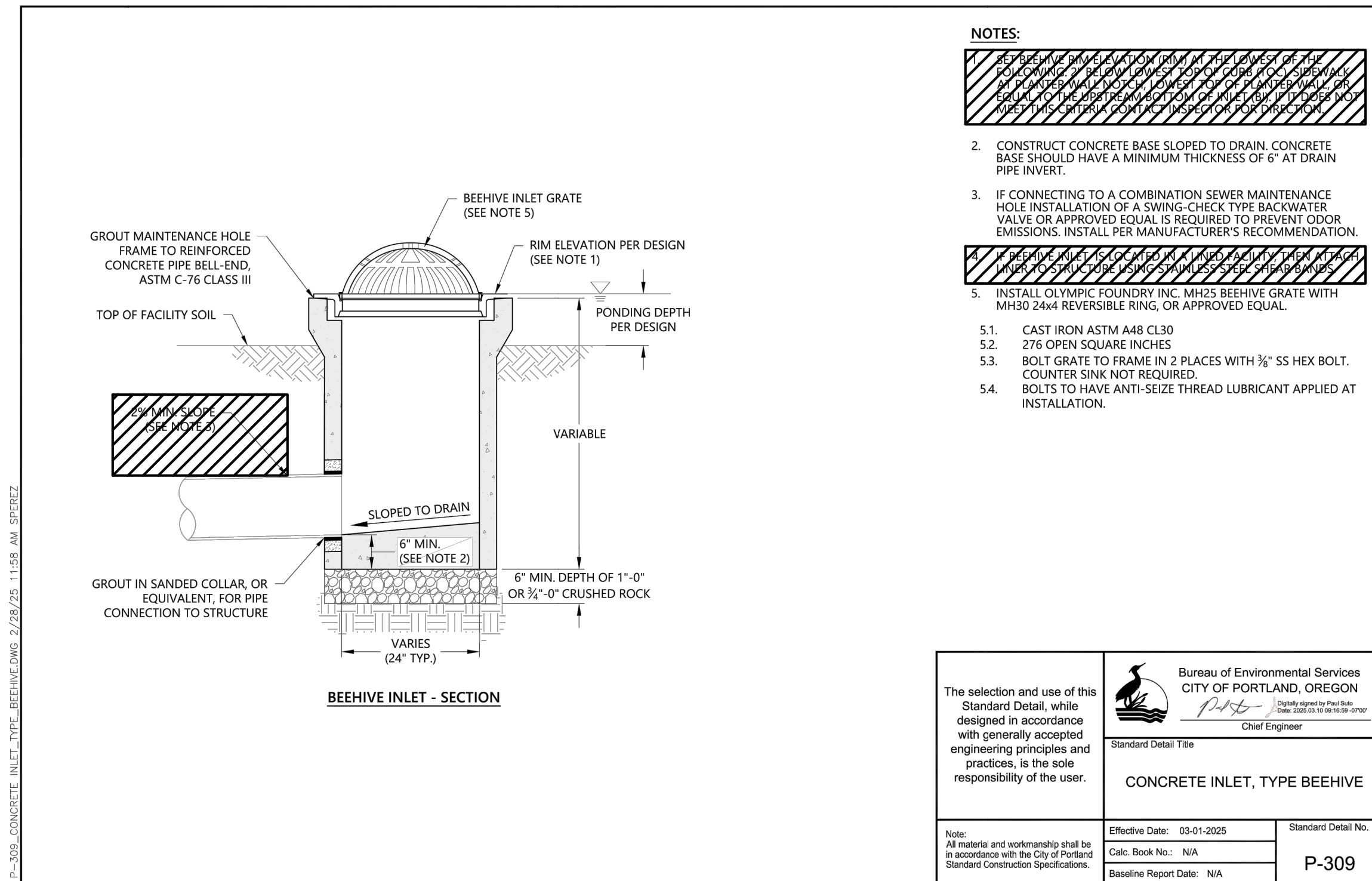
ONE INCH AT FULL SCALE, IF NOT, SCALE ACCORDINGLY
 FILE NAME
 XPO3324010C-DETAIL SHEETS
 JOB No.
 273-3324-010
 DATE
 10/31/25

REVISIONS	DATE	BY	DESIGNED
			S. SOKOL
			DRAWN
			E. JOHNSON, A. FLORES-RAMIREZ
			CHECKED
			C. BUITRAGO
			APPROVED



GENERAL NOTES

1. STANDARD DRAWINGS FROM CITY OF PORTLAND AND ODOT ARE PROVIDED IN THIS SHEET. HATCHED AREAS INDICATE NOTES OR DETAILS THAT ARE NOT APPLICABLE AND SHOULD NOT BE USED.



Effective Date: December 1, 2025 – May 31, 2026

REVISIONS	DATE	BY	DESIGNED
			S. SOKOL
			E. JOHNSON, A. FLORES-RAMIREZ
			C. BUITRAGO
			APPROVED

ONE INCH AT FULL SCALE. IF NOT, SCALE ACCORDINGLY.
FILE NAME: XPO3324010C-DETAIL SHEETS
JOB No.: 273-3324-010
DATE: 10/31/25



PROJECT NAME
CHIEF JOSEPH ELEMENTARY STORMWATER RETROFIT PORTLAND, OREGON

DETAILS SHEET

DRAWING NO. 9 OF 10
C08

100 % SUBMITTAL

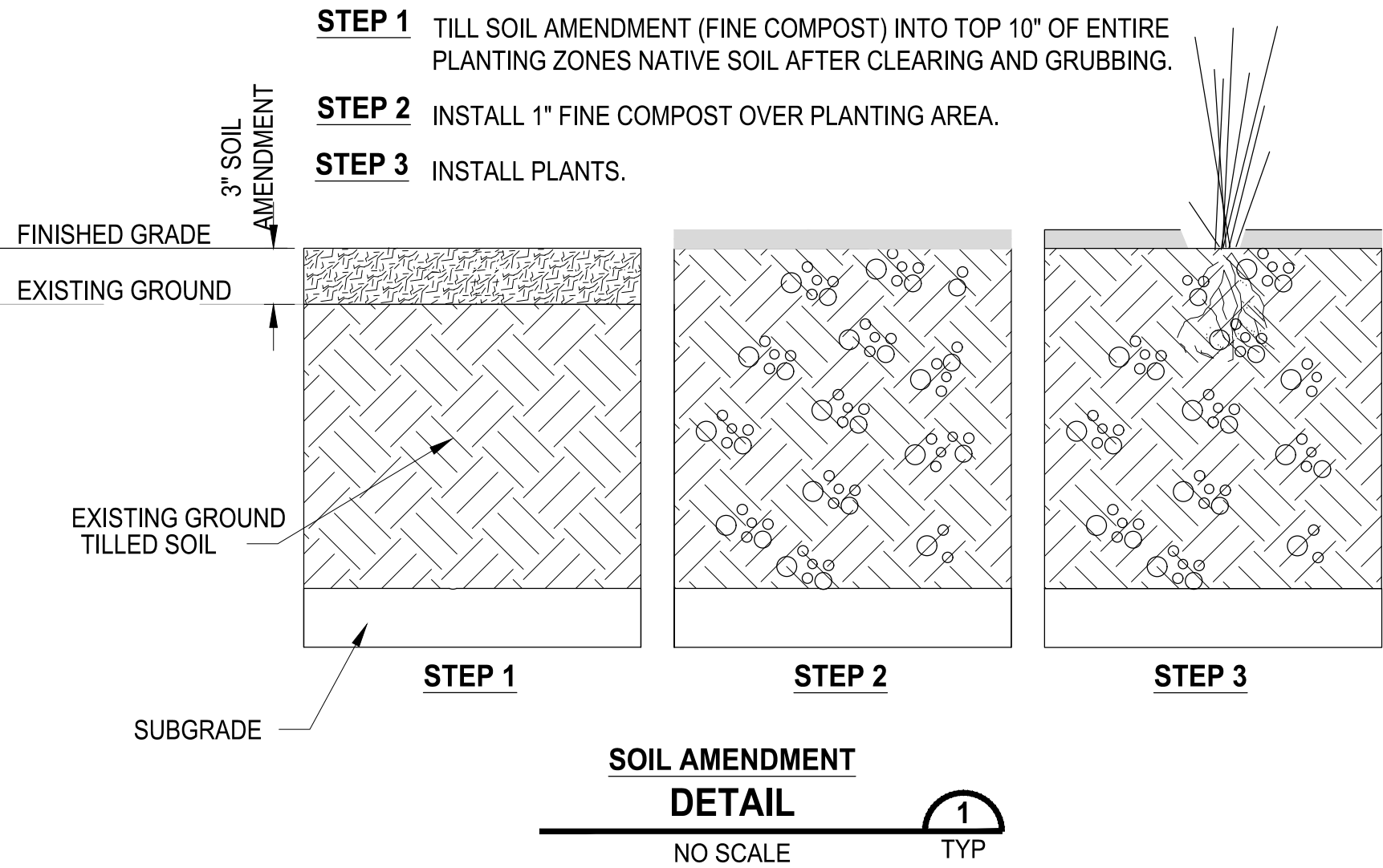
PLANTING NOTES:

- CONTRACTOR IS REQUIRED TO VERIFY EXISTING UTILITY LOCATIONS PRIOR TO CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR A THOROUGH CLEAN-UP FOR HIS/HER RESPECTIVE WORK, DAILY AND AT PROJECT CLOSE-OUT.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING IMPROVEMENTS. DAMAGE TO THE EXISTING IMPROVEMENTS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AND/OR QUALIFIED INSTALLERS/TRADES ACCEPTABLE TO THE SOLE SATISFACTION OF THE OWNER'S REPRESENTATIVE AND AT NO COST TO THE OWNER.
- PLANT MATERIALS SHALL MEET STANDARDS SET FORTH IN THE LATEST EDITION OF THE AMERICAN ASSOCIATION OF NURSERYMEN STANDARD (ANSI Z60.1) AND OREGON STATE STANDARDS FOR NURSERY STOCK. ALL PLANT MATERIALS SHALL HAVE SUFFICIENT ROOT DEVELOPMENT TO ASSURE SURVIVAL AND HEALTHY GROWTH. CONTAINER GROWN PLANT MATERIALS ARE REQUIRED TO HAVE SUFFICIENT ROOT GROWTH TO HOLD THE SOIL INTACT WHEN REMOVED FROM THE CONTAINER, BUT SHALL NOT BE ROOT BOUND.
- SEE DETAIL 1 THIS SHEET FOR SOIL AMENDMENT INSTALLATION. REFERENCE CIVIL PLANS FOR STORM PLANTER SOIL REQUIREMENTS.
- ALL PLANT MATERIALS AND PLANT LOCATIONS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. PLANT LAYOUT SHALL BE SPACED USING TRIANGULAR SPACING OR AS SHOWN ON PLANS. ALL PLANTS SHALL BE THOROUGHLY WATERED IMMEDIATELY AFTER PLANTING.
- CONTRACTOR IS RESPONSIBLE FOR RESTORATION OF ALL INCIDENTAL AREAS DISTURBED DURING CONSTRUCTION.
- NO SUBSTITUTIONS SHALL BE CONSIDERED FOR PLANTS OR OTHER MATERIALS DURING THE BIDDING PROCESS.
- LANDSCAPE MATERIALS & QUANTITIES WILL BE FIELD ADJUSTED TO FIT ACTUAL CONDITIONS IF NECESSARY. COORDINATE LANDSCAPE CONSTRUCTION WITH OWNER'S REPRESENTATIVE.
- SEE CIVIL SHEETS FOR STORM PLANTER CONSTRUCTION AND ADDITIONAL TEMPORARY EROSION AND SEDIMENT CONTROL INFORMATION.

CONSTRUCTION NOTES:

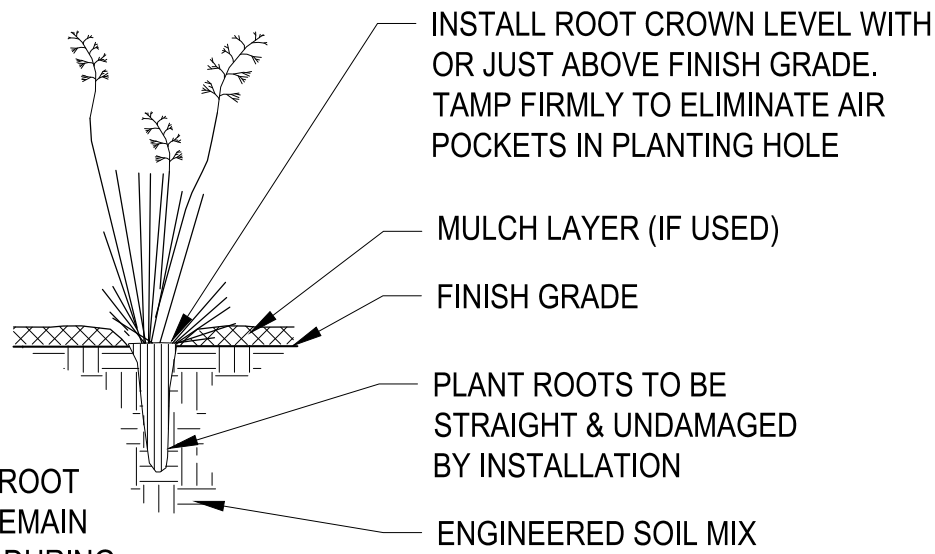
- INSTALL SIX (6) GREY BASALT COLUMNS IN FOREBAY AND FOUR (4) IN NE LANDSCAPED AREA. COLUMNS SHALL BE SELECTED IN A RANGE OF DIAMETERS AND HEIGHTS, WITH MIN. AND MAX. HEIGHTS OF 18" AND 36", RESPECTIVELY, AND MIN. AND MAX. DIAMETERS OF 24" AND 36", RESPECTIVELY. FINAL ARRANGEMENT OF BASALT COLUMNS SHALL BE APPROVED BY THE ESTUARY PARTNERSHIP PRIOR TO INSTALLATION. BASALT COLUMNS IN FOREBAY SHALL BE INSTALLED IN WET CONCRETE TO THE FULL DEPTH OF THE CONCRETE SECTION. COLUMNS IN BARE DIRT SHALL BE BURIED $\frac{1}{3}$ DEPTH MIN.
- INSTALL FIVE (5) TIMBERCRAFT 2215 HALF ROUND LOG SEATS IN LOCATIONS SHOWN.
- COBBLE EMBEDDED CONCRETE SHALL USE 1" TO 3" WASHED ROUNDED RIVER ROCK INTENDED FOR DECORATION AND LANDSCAPING. ROCK SHALL BE "PORTLAND ROCK & LANDSCAPE SUPPLY GLACIER RIVER ROCK 1"-3" ", OR EQUAL AS APPROVED BY THE ESTUARY PARTNERSHIP. COBBLE SHALL BE EMBEDDED AT LEAST HALF THEIR DEPTH WITH MAXIMUM REVEAL OF $\frac{1}{4}$ IN. STONES SHALL BE RANDOMLY LAID (NOT COURSED) AND SPACED AS TIGHTLY AS PRACTICABLE (TARGET SPACING $\frac{1}{8}$ TO $\frac{1}{4}$ IN). SLURRY JOINT TO FILL GAPS. WASH COBBLES CLEAN WITH SPONGE AND WATER BEFORE SLURRY FULLY SETS.

SEQUENCE OF WORK:



NOTE:

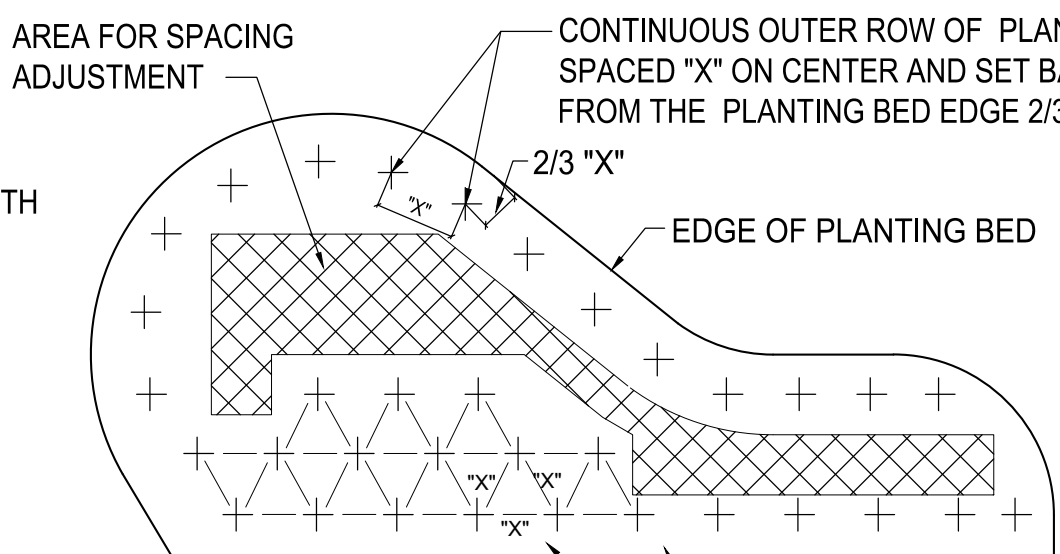
LEAVES AND ROOT CROWN TO REMAIN UNDAMAGED DURING PLANTING.



PLANTING DETAIL

NO SCALE

TYP



PLANT SPACING DETAIL

NO SCALE

TYP



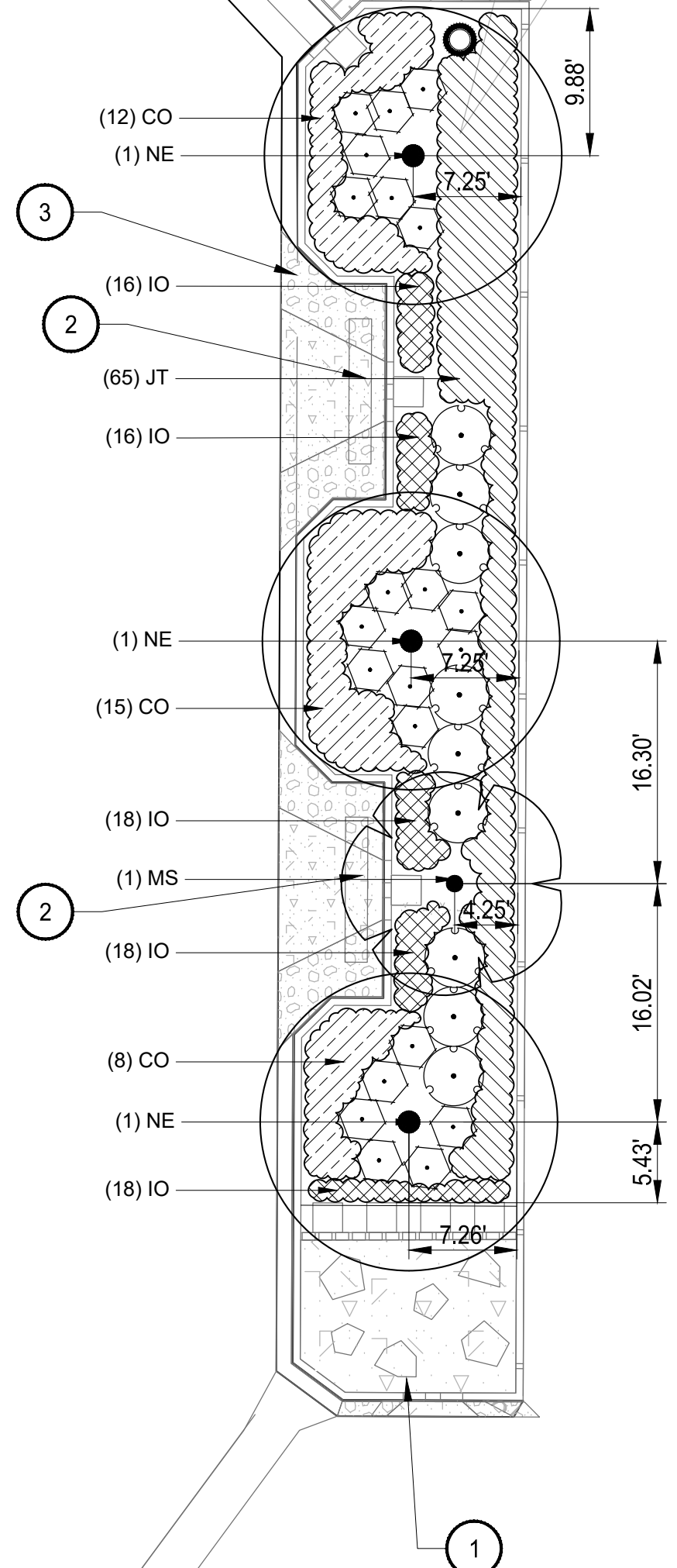
NOTE: COBBLE PICTURES PROVIDED FOR DESIGN INTENT ONLY



PLANT SCHEDULE

SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	CAL.
TREES				
	MS	2	MALUS X 'SPRING SNOW' / SPRING SNOW CRABAPPLE	1.5" CAL.
	NE	5	NYSSA SYLVATICA 'JFS-RED' / FIRESTARTER TUPELO	2" CAL / B&B
SHRUBS				
	CK	39	CORNUS SERICEA 'KELSEY' / KELSEY'S DWARF RED TWIG DOGWOOD	#2
	SS	14	SPIRAEA DENSIFLORA / SUB-ALPINE SPIREA	#2
GROUND COVERS				
	CO	69	CAREX OBNUPTA / SLOUGH SEDGE	#1 30" o.c.
	IO	115	IRIS TENAX / OREGON IRIS	#1 12" o.c.
	JT	127	JUNCUS TENUIS / PATH RUSH	#1 24" o.c.

(TYP)



LEGEND

- COBBLE EMBEDDED CONCRETE
- CONCRETE
- BROWN HARDWOOD MULCH



SCALE IN FEET

0 10 20

100 % SUBMITTAL



Parametrix

PROJECT NAME
CHIEF JOSEPH ELEMENTARY
STORMWATER RETROFIT
PORTLAND, OREGON

LANDSCAPE PLAN

DRAWING NO.
10 OF 10

L01