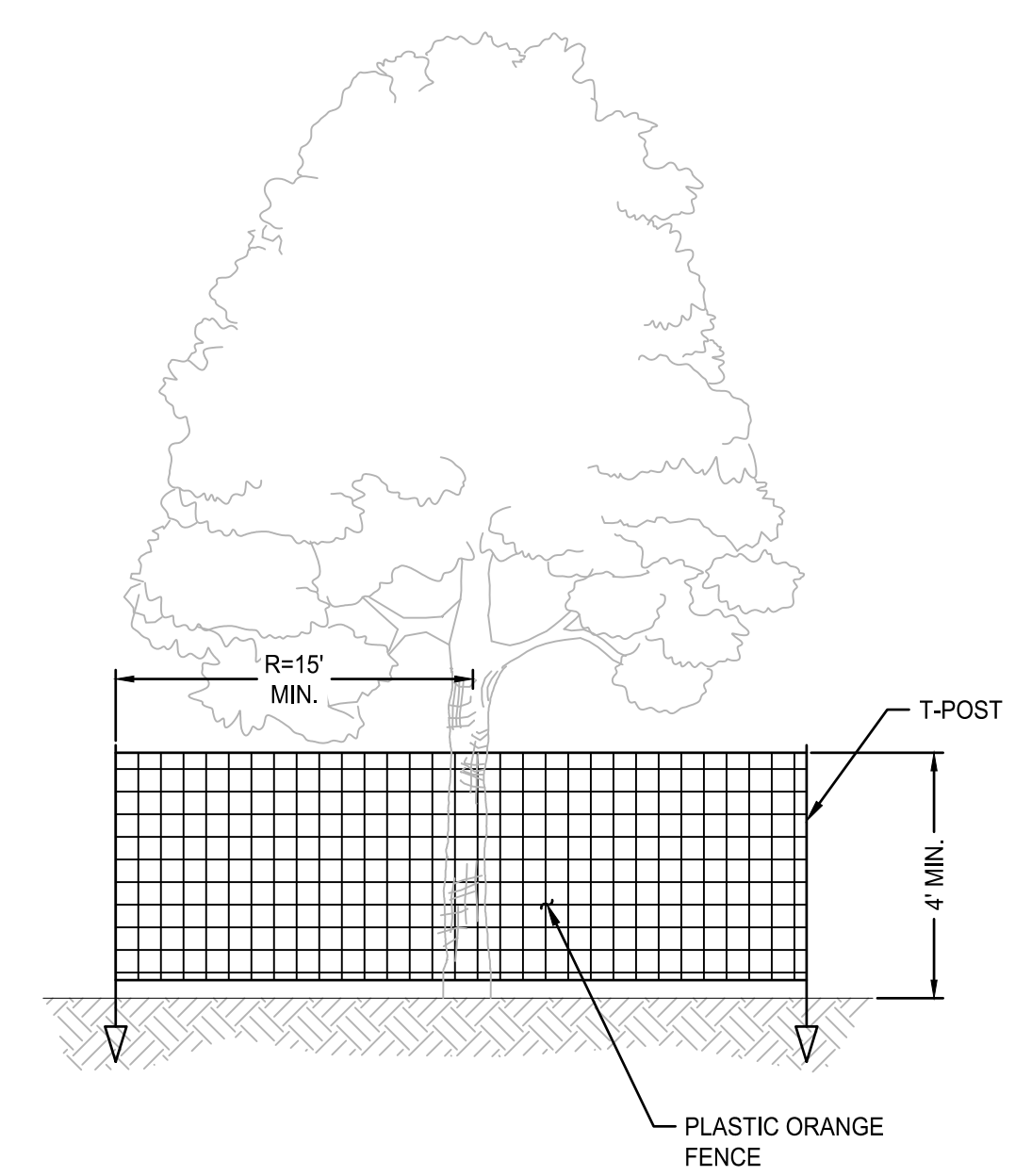


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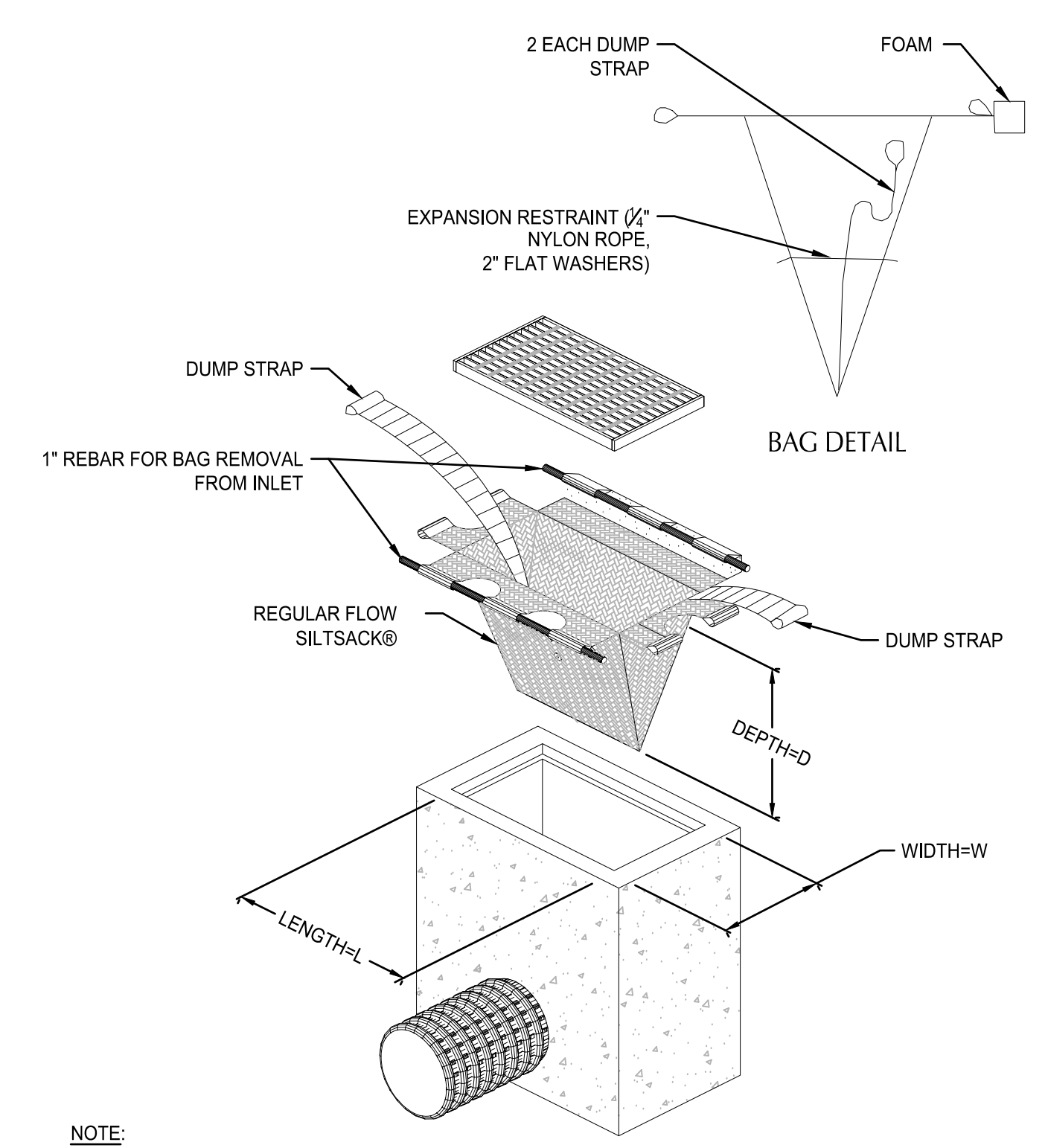
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date	08/11/2023
project	21016

EXHIBIT 3.A.3.3

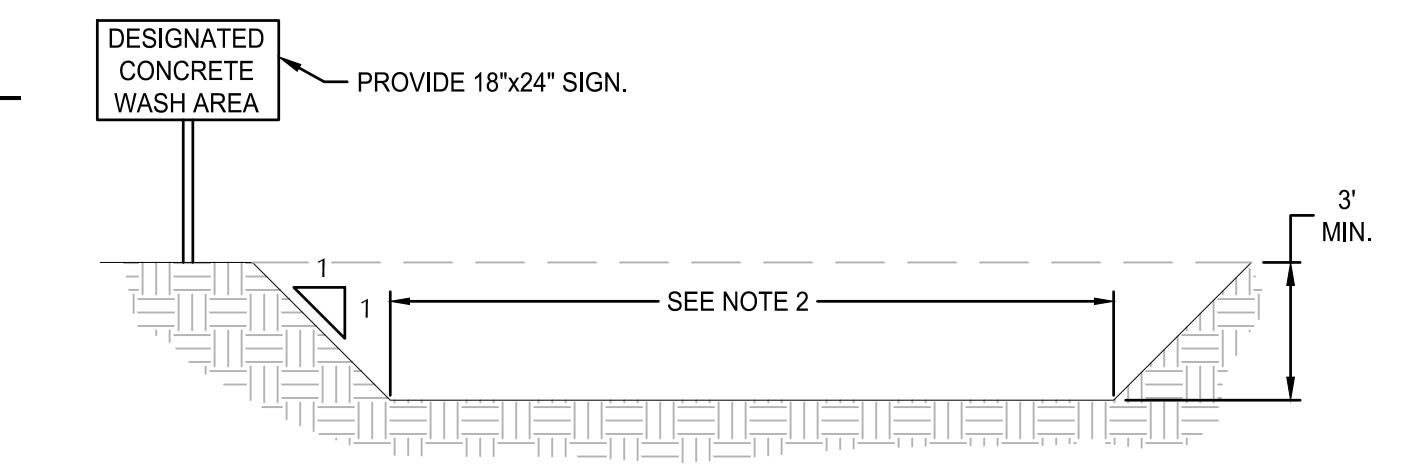


- NOTES:**
- TEMPORARY FENCE SHALL BE PLACED AT 15' MIN RADIUS FROM TRUNK OF TREE TO BE SAVED. FENCE SHALL COMPLETELY ENCIRCLE TREE(S). INSTALL FENCE POSTS USING T-POST ONLY. AVOID DRIVING POSTS OR STAKES INTO MAJOR ROOTS.
  - TREATMENT OF ROOTS EXPOSED DURING CONSTRUCTION: FOR ROOTS OVER 1" IN DIAMETER DAMAGED DURING CONSTRUCTION. MAKE A CLEAN STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT. ALL EXPOSED ROOTS SHALL BE TEMPORARILY COVERED WITH DAMP BURLAP TO PREVENT DRYING, AND COVERED WITH SOILS AS SOON AS POSSIBLE.
  - WORK WITHIN PROTECTION FENCE SHALL BE DONE MANUALLY. NO STOCKPILING OF MATERIALS, VEHICULAR TRAFFIC, OR STORAGE OF EQUIPMENT OR MACHINERY SHALL BE ALLOWED WITHIN THE LIMITS OF THE FENCING.
  - WITHIN CLEARING/GRADING LIMITS OR AT THE EDGE OF THE CLEARING/GRADING LIMITS, TREE PROTECTION MAY BE INSTALLED AROUND GROUPS OF TREES.

**5 TREE PROTECTION - CONSTRUCTION FENCE**  
SCALE: NTS

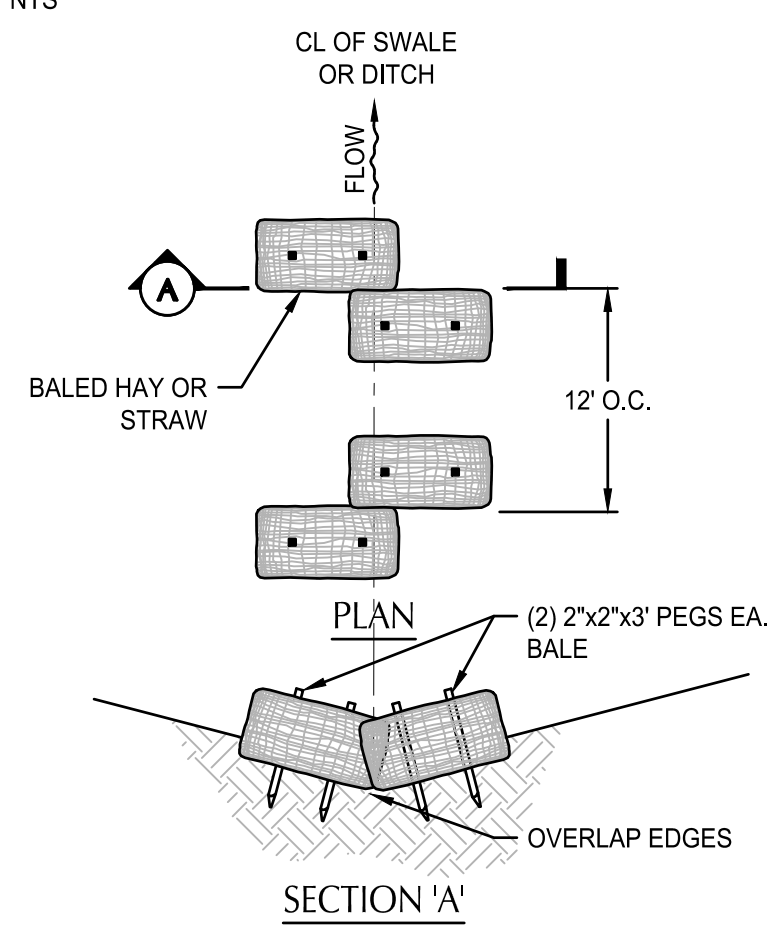


**2 INLET SEDIMENT PROTECTION**  
SCALE: NTS

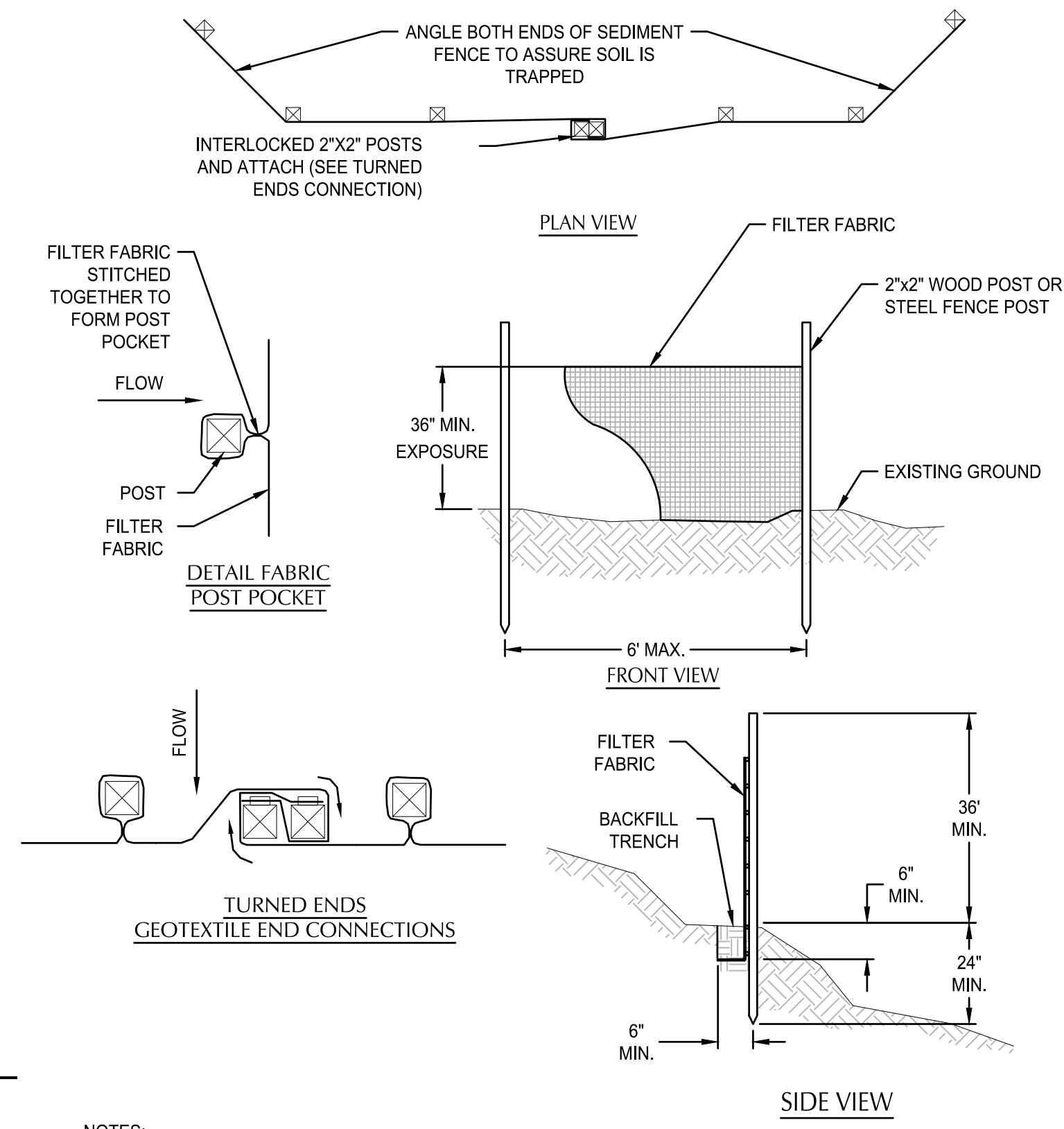


- NOTES:**
- INSTALL A CONCRETE WASH OUT PIT AND A VISIBLE SIGN STATING, "DESIGNATED CONCRETE WASH AREA." LOCATE THE WASH OUT IN A PLACE THAT WILL BE ACCESSIBLE TO CONCRETE TRUCKS SIZE TO THE PROJECT.
  - PROVIDE 3' X 3' MINIMUM WASHOUT AREA. INCREASES SIZE OR PROVIDE ADDITIONAL WASHOUTS AS REQUIRED TO ACCOMMODATE PROJECT CONDITIONS.
  - LOCATE WASHOUTS IN AREAS THAT WILL BE ACCESSIBLE TO CONCRETE TRUCKS.
  - FOR WASHOUTS LOCATED IN AREAS DESIGNATED TO RECEIVE HARDSCAPE, SOLIDS MAY BE BURIED IN PLACE. FOR OTHER APPLICATIONS, REMOVE AND DISPOSE OF SOLIDS.

**3 CONCRETE WASHOUT**  
SCALE: NTS



- NOTES:**
- EMBED BALES 4" TO 6".
  - DRIVE STAKES MINIMUM 12" INTO GROUND SURFACE.
- 4 BIO-FILTER BAG SEDIMENT BARRIER IN DITCHES OR SWALES**  
SCALE: NTS



- NOTES:**
- THE FILTER FABRIC SHALL BE (36" MIN. WIDTH) PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6-INCH OVERLAP, AND BOTH ENDS SECURELY FASTENED TO THE POST, OR OVERLAP 2\"/>
  - THE FILTER FABRIC FENCE SHALL BE INSTALLED TO FOLLOW THE CONTOURS WHERE FEASIBLE. THE FENCE POSTS SHALL BE SPACED A MAXIMUM OF 6-FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM OF 24-INCHES.
  - THE FILTER FABRIC SHALL HAVE A MINIMUM VERTICAL BURIAL OF 6-INCHES. ALL EXCAVATED MATERIAL FROM FILTER FABRIC FENCE INSTALLATION, SHALL BE BACKFILLED AND COMPACTED, ALONG THE ENTIRE DISTURBED AREA.
  - STANDARD OR HEAVY DUTY FILTER FABRIC SHALL HAVE MANUFACTURED STITCHED LOOPS FOR 2\"/>
  - FILTER FABRIC FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UP-SLOPE AREA HAS BEEN PERMANENTLY PROTECTED AND STABILIZED.
  - FILTER FABRIC FENCES SHALL BE INSPECTED BY CONTRACTOR IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REQUIRED REPAIRS SHALL BE MADE IMMEDIATELY.

**1 SEDIMENT FENCE**  
SCALE: NTS



E:\COMMON\CAD\TREATMENT\10 STORMFILTER\STANDARD DRAWINGS\CFR\CFR-15\DWG\CFR-15-DTL.dwg 7/8/2016 2:42 PM

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Plotted: 8/9/23 at 3:48pm By: dneadecker

**STORMFILTER STEEL CATCHBASIN DESIGN NOTES**

STORMFILTER TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. 1 CARTRIDGE CATCHBASIN HAS A MAXIMUM OF ONE CARTRIDGE. SYSTEM IS SHOWN WITH A 27" CARTRIDGE, AND IS ALSO AVAILABLE WITH AN 18" CARTRIDGE. STORMFILTER CATCHBASIN CONFIGURATIONS ARE AVAILABLE WITH A DRY INLET BAY FOR VECTOR CONTROL. PEAK HYDRAULIC CAPACITY PER TABLE BELOW. IF THE SITE CONDITIONS EXCEED PEAK HYDRAULIC CAPACITY, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

CARTRIDGE SELECTION									
CARTRIDGE HEIGHT	27"			18"			18" DEEP		
RECOMMENDED HYDRAULIC DROP (H)	3.05'			2.3'			3.3'		
SPECIFIC FLOW RATE (gpm/sf)	2 gpm/sf	1.67* gpm/sf	1 gpm/sf	2 gpm/sf	1.67* gpm/sf	1 gpm/sf	2 gpm/sf	1.67* gpm/sf	1 gpm/sf
CARTRIDGE FLOW RATE (gpm)	22.5	18.79	11.25	15	12.53	7.5	15	12.53	7.5
PEAK HYDRAULIC CAPACITY	1.0			1.0			1.8		
INLET PERMANENT POOL LEVEL (A)	1'-0"			1'-0"			2'-0"		
OVERALL STRUCTURE HEIGHT (B)	4'-9"			3'-9"			4'-9"		

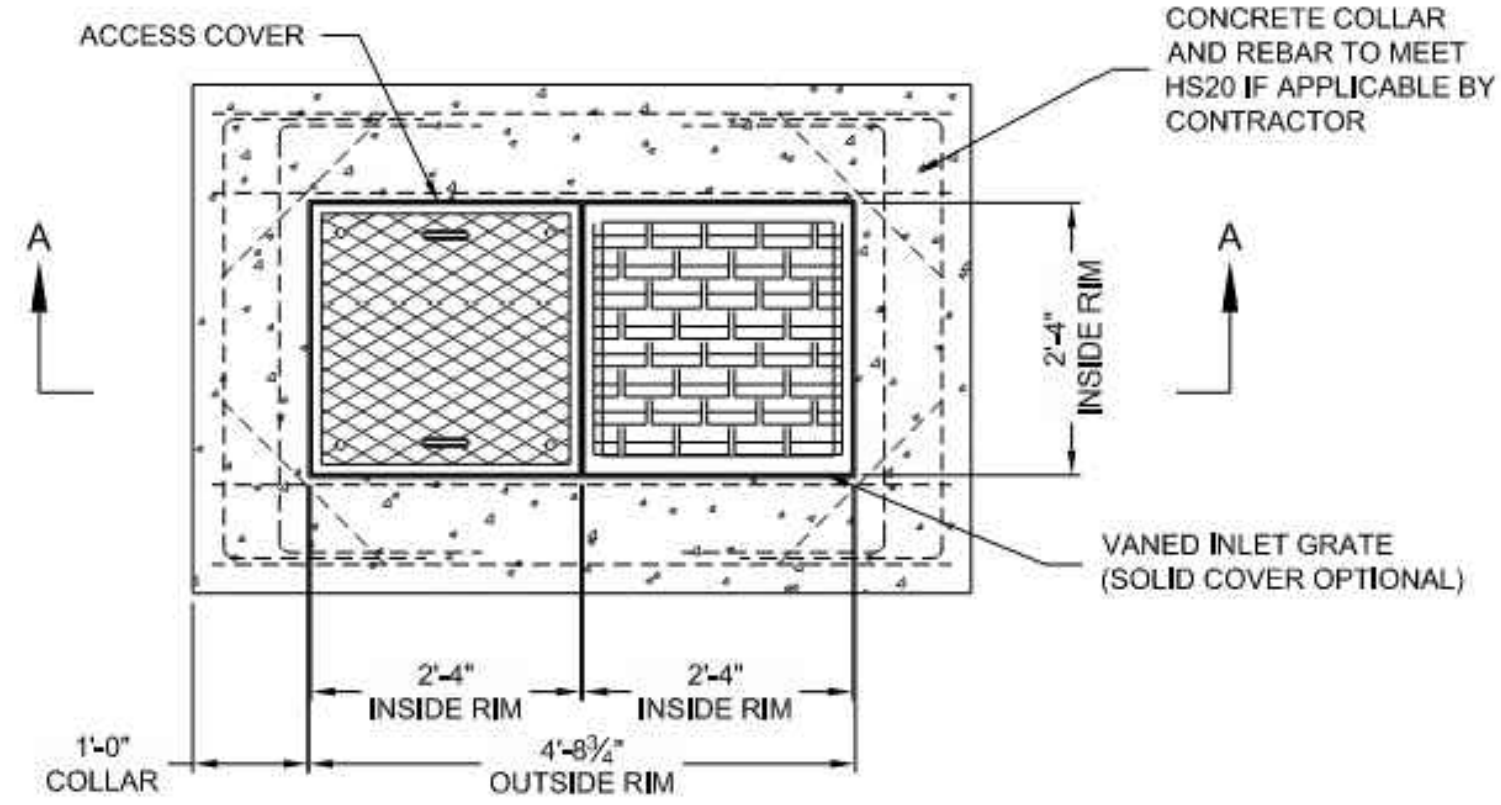
\* 1.67 gpm/sf SPECIFIC FLOW RATE IS APPROVED WITH PHOSPHOSORB® (PSORB) MEDIA ONLY

**GENERAL NOTES**

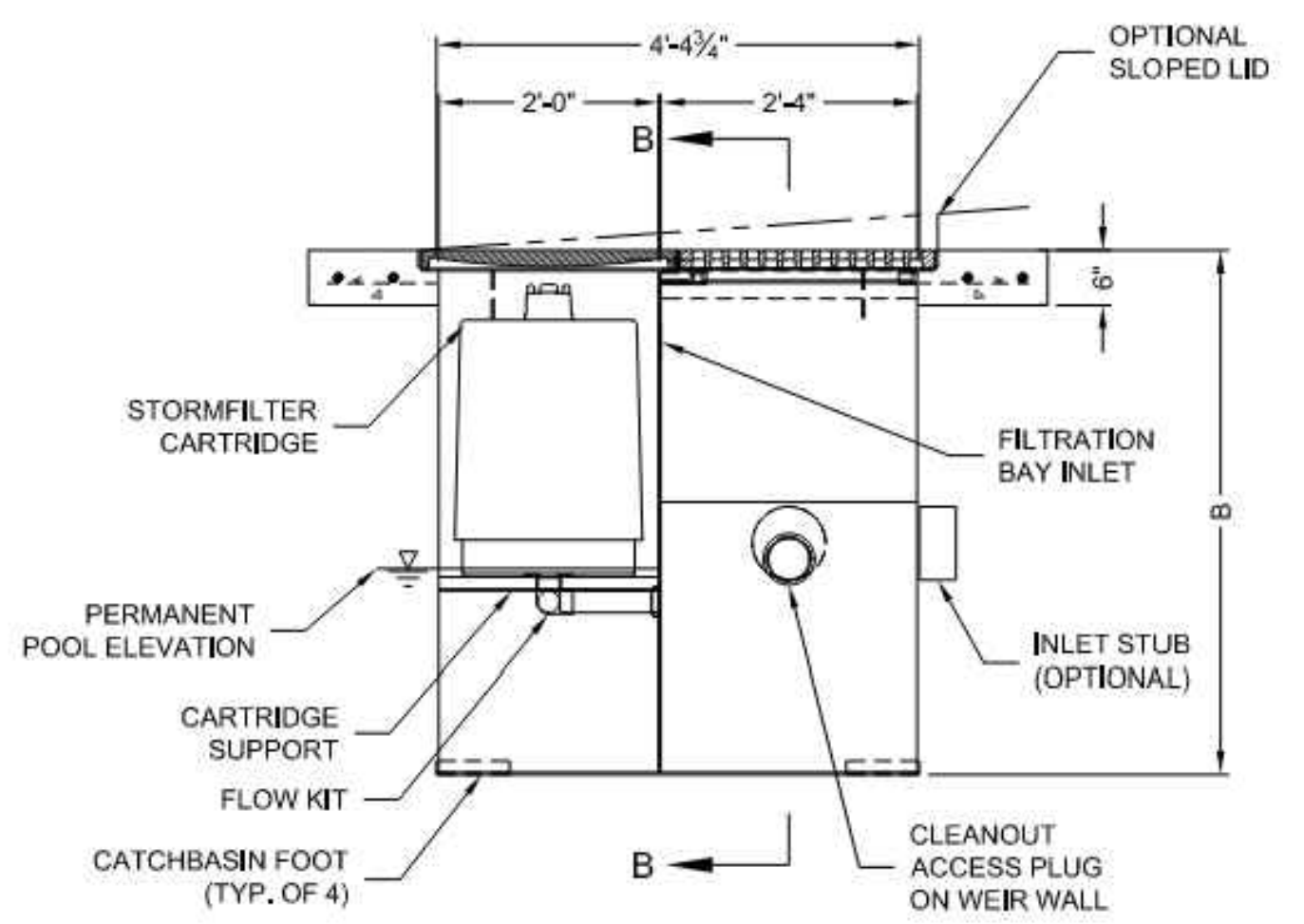
- CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
- FOR SITE SPECIFIC DRAWINGS WITH DETAILED STORMFILTER CATCHBASIN STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com
- STORMFILTER CATCHBASIN WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
- INLET SHOULD NOT BE LOWER THAN OUTLET. INLET (IF APPLICABLE) AND OUTLET PIPING TO BE SPECIFIED BY ENGINEER AND PROVIDED BY CONTRACTOR.
- MANUFACTURER TO APPLY A SURFACE BEAD WELD IN THE SHAPE OF THE LETTER "O" ABOVE THE OUTLET PIPE STUB ON THE EXTERIOR SURFACE OF THE STEEL SFCB.
- STORMFILTER CATCHBASIN EQUIPPED WITH 4 INCH (APPROXIMATE) LONG STUBS FOR INLET (IF APPLICABLE) AND OUTLET PIPING. STANDARD OUTLET STUB IS 8 INCHES IN DIAMETER. MAXIMUM OUTLET STUB IS 15 INCHES IN DIAMETER. CONNECTION TO COLLECTION PIPING CAN BE MADE USING FLEXIBLE COUPLING BY CONTRACTOR.
- STEEL STRUCTURE TO BE MANUFACTURED OF 1/4 INCH STEEL PLATE. CASTINGS SHALL MEET AASHTO M306 LOAD RATING. TO MEET HS20 LOAD RATING ON STRUCTURE, A CONCRETE COLLAR WITH #4 REINFORCING BARS TO BE PROVIDED BY CONTRACTOR.
- FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF CLEANING, RADIAL MEDIA DEPTH SHALL BE 7-INCHES. FILTER MEDIA CONTACT TIME SHALL BE AT LEAST 38 SECONDS.
- SPECIFIC FLOW RATE IS EQUAL TO THE FILTER TREATMENT CAPACITY (gpm) DIVIDED BY THE FILTER CONTACT SURFACE AREA (sq ft).

**INSTALLATION NOTES**

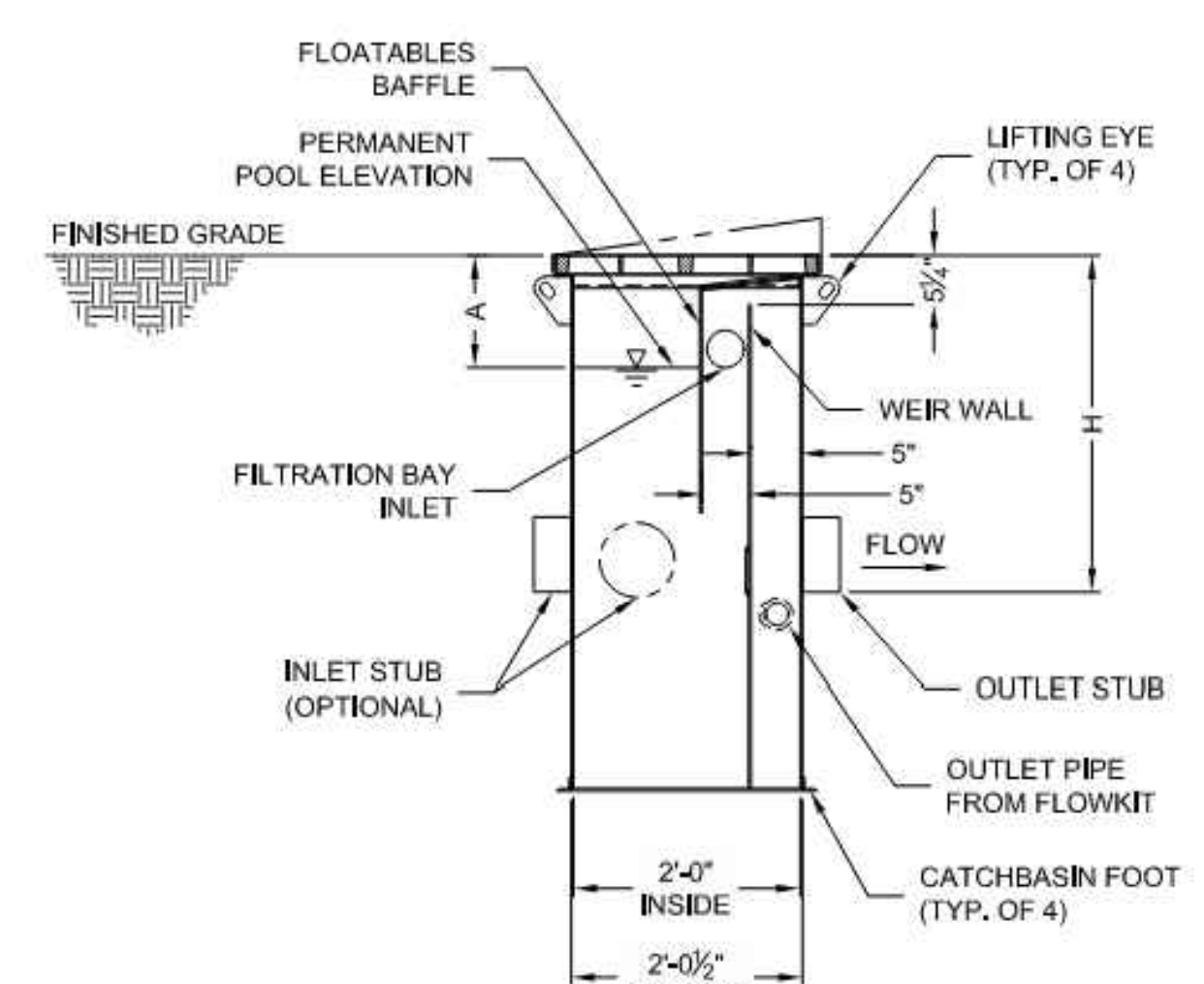
- ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
- CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CATCHBASIN (LIFTING CLUTCHES PROVIDED).
- CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.



**PLAN VIEW**



**SECTION A-A**



**SECTION B-B**

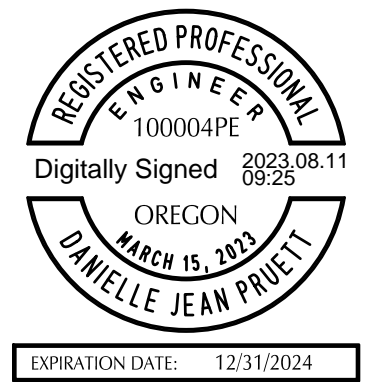
1-CARTRIDGE CATCHBASIN STORMFILTER DATA						
STRUCTURE ID	XXX					
WATER QUALITY FLOW RATE (cfs)	X.XX					
PEAK FLOW RATE (<1 cfs)	X.XX					
RETURN PERIOD OF PEAK FLOW (yrs)	XXX					
CARTRIDGE HEIGHT (27", 18", 18" DEEP)	XX					
CARTRIDGE FLOW RATE (gpm)	XX					
MEDIA TYPE (PERLITE, ZPG, PSORB)	XXXXX					
RIM ELEVATION	XXX.XX'					
<b>PIPE DATA:</b>						
INLET STUB	I.E. XXX.XX'	DIAMETER XX"				
OUTLET STUB	XXX.XX'	XX"				
<b>CONFIGURATION</b>						
<table style="width:100%; border:none;"> <tr> <td style="text-align:center;">OUTLET</td> <td style="text-align:center;">OUTLET</td> </tr> <tr> <td style="text-align:center;">INLET</td> <td style="text-align:center;">INLET</td> </tr> </table>			OUTLET	OUTLET	INLET	INLET
OUTLET	OUTLET					
INLET	INLET					
SLOPED LID	YES/NO					
SOLID COVER	YES/NO					
NOTES/SPECIAL REQUIREMENTS:						

**1 CARTRIDGE CATCHBASIN  
STORMFILTER  
STANDARD DETAIL**

**CONTECH**  
ENGINEERED SOLUTIONS LLC  
www.contechES.com  
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069  
800-526-9999 513-645-7000 513-645-7993 FAX

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phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

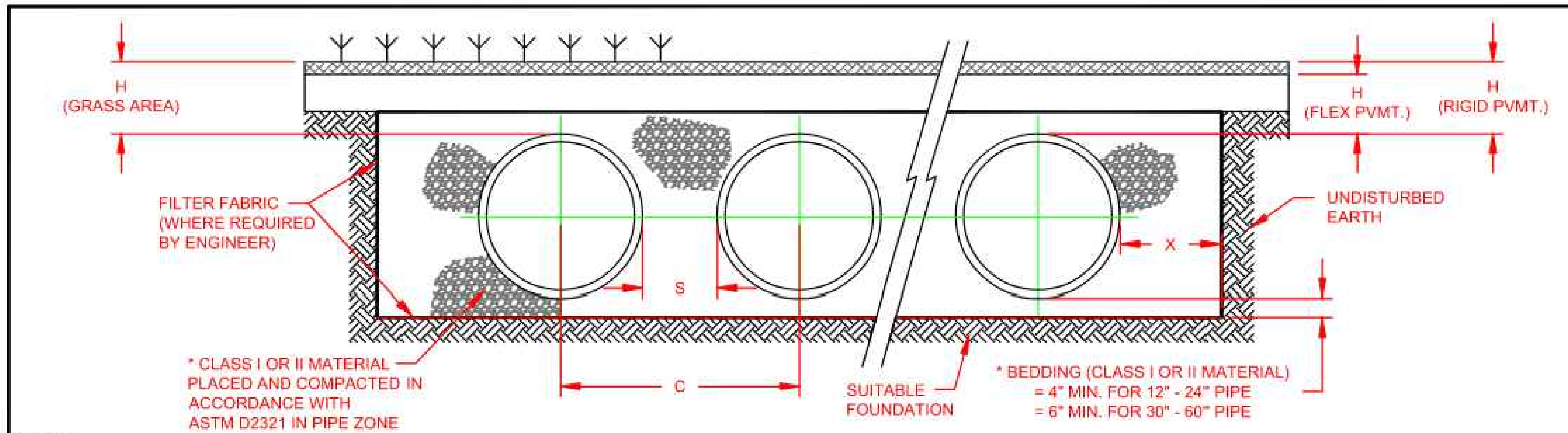


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phase	LAND USE RESUBMITTAL SET
date project	08/11/2023 21016

DETAILS

C5.23



NOTES:

- ALL REFERENCES TO CLASS I OR II MATERIAL ARE PER ASTM D2321 "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
- ALL RETENTION AND DETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, LATEST EDITION AND THE MANUFACTURER'S PUBLISHED INSTALLATION GUIDELINES.
- MEASURES SHOULD BE TAKEN TO PREVENT THE MIGRATION OF NATIVE FINES INTO THE BACKFILL MATERIAL, WHEN REQUIRED. SEE ASTM D2321.
- FILTER FABRIC:** A GEOTEXTILE FABRIC MAY BE USED AS SPECIFIED BY THE ENGINEER TO PREVENT THE MIGRATION OF FINES FROM THE NATIVE SOIL INTO THE SELECT BACKFILL MATERIAL.
- FOUNDATION:** WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING:** SUITABLE MATERIAL SHALL BE CLASS I OR II. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER, UNLESS OTHERWISE NOTED BY THE ENGINEER. MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-1500mm).
- INITIAL BACKFILL:** SUITABLE MATERIAL SHALL BE CLASS I OR II IN THE PIPE ZONE EXTENDING NOT LESS THAN 6" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
- MINIMUM COVER:** MINIMUM COVER OVER ALL RETENTION/DETENTION SYSTEMS IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER IS 12" UP TO 36" DIAMETER PIPE AND 24" OF COVER FOR 42" - 60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.

NOMINAL DIAMETER	NOMINAL O.D.	TYPICAL SPACING "S"	NOMINAL SPACING "C"	TYPICAL SIDE WALL "X"	H (NON-TRAFFIC)	H (TRAFFIC)
12" (300mm)	14.5" (368mm)	11" (279mm)	25.5" (648mm)	8" (203mm)	12" (305mm)	12" (305mm)
15" (375mm)	18" (457mm)	11.5" (292mm)	29.0" (737mm)	8" (203mm)	12" (305mm)	12" (305mm)
18" (450mm)	21" (533mm)	17.0" (432mm)	38.0" (965mm)	9" (229mm)	12" (305mm)	12" (305mm)
24" (600mm)	28" (711mm)	14.0" (356mm)	41.5" (1054mm)	10" (254mm)	12" (305mm)	12" (305mm)
30" (750mm)	36" (914mm)	18" (457mm)	53.0" (1346mm)	18" (457mm)	12" (305mm)	12" (305mm)
36" (900mm)	42" (1067mm)	22" (559mm)	63.0" (1600mm)	18" (457mm)	12" (305mm)	12" (305mm)
42" (1050mm)	48" (1219mm)	24" (610mm)	72.0" (1829mm)	18" (457mm)	12" (305mm)	24" (610mm)
48" (1200mm)	54" (1372mm)	25" (635mm)	78.5" (1994mm)	18" (457mm)	12" (305mm)	24" (610mm)
60" (1500mm)	67" (1702mm)	24" (610mm)	90" (2286mm)	18" (457mm)	12" (305mm)	24" (610mm)

\* CLASS I BACKFILL REQUIRED AROUND 60" DIAMETER FITTINGS.

4	GENERAL UPDATES AND RENAMED	TJR	02/19/16	
REV.	DESCRIPTION	BY	MM/DD/YY	CHK'D

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RETENTION-DETENTION SYSTEM  
(CROSS-SECTION)

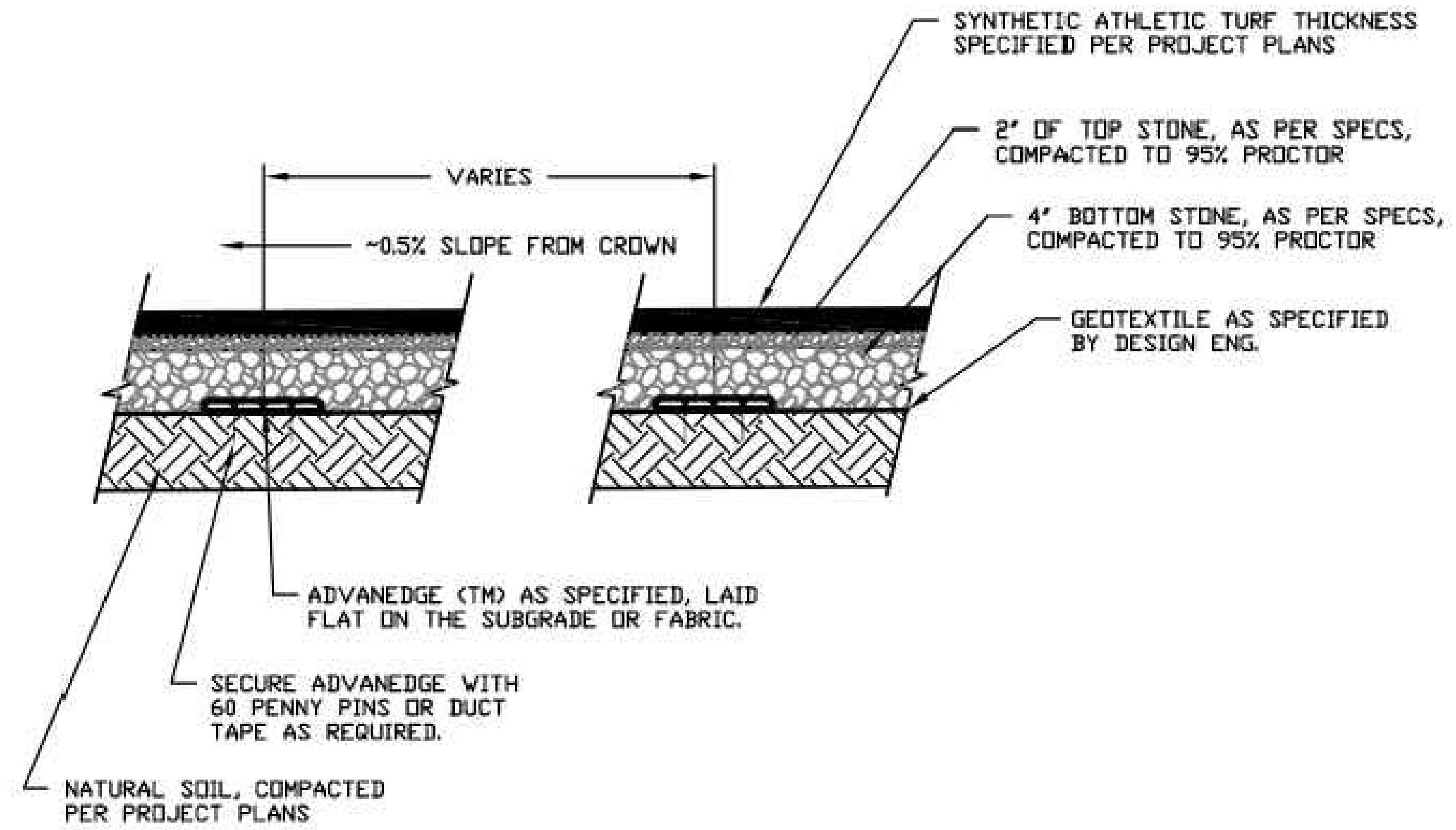
DRAWING NUMBER: STD-702



4640 TRUEMAN BLVD  
HILLIARD, OHIO 43026

DESIGN BY	AWM
DATE	07.25.06
SCALE	NTS
STATUS	OF

## SYNTHETIC TURF ATHLETIC FIELD DRAIN PROFILE



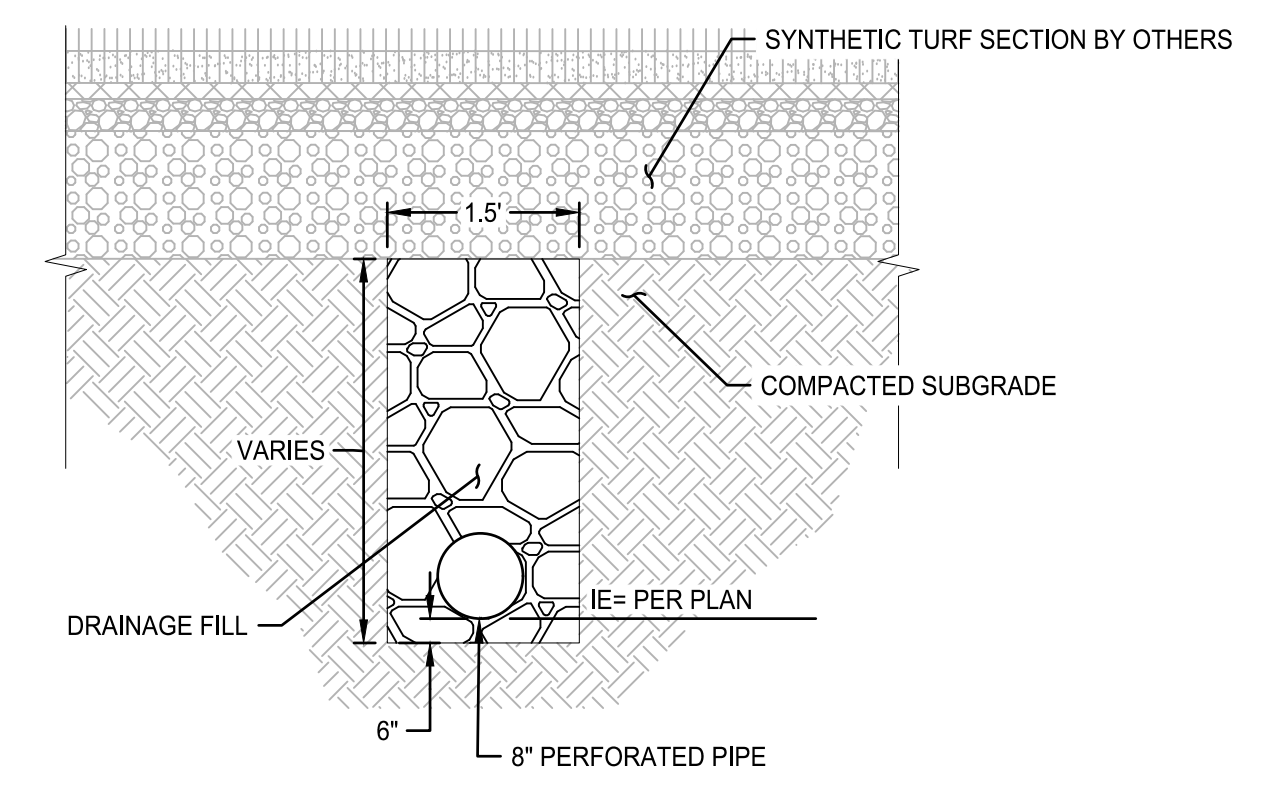
**NOTES:**

- 1. PIPE INSTALLATION DEPTH, SPACING, SLOPE AND BACKFILL MATERIAL SHALL BE DETERMINED AND SPECIFIED BY DESIGN ENGINEER.
- 2. THE USE OF FABRIC AROUND ADVANEDGE OR IN THE TRENCH SHALL BE DETERMINED BY DESIGN ENGINEER TAKING INTO ACCOUNT THE PARTICLE SIZE DISTRIBUTION OF THE BACKFILL AND INSITU MATERIAL.

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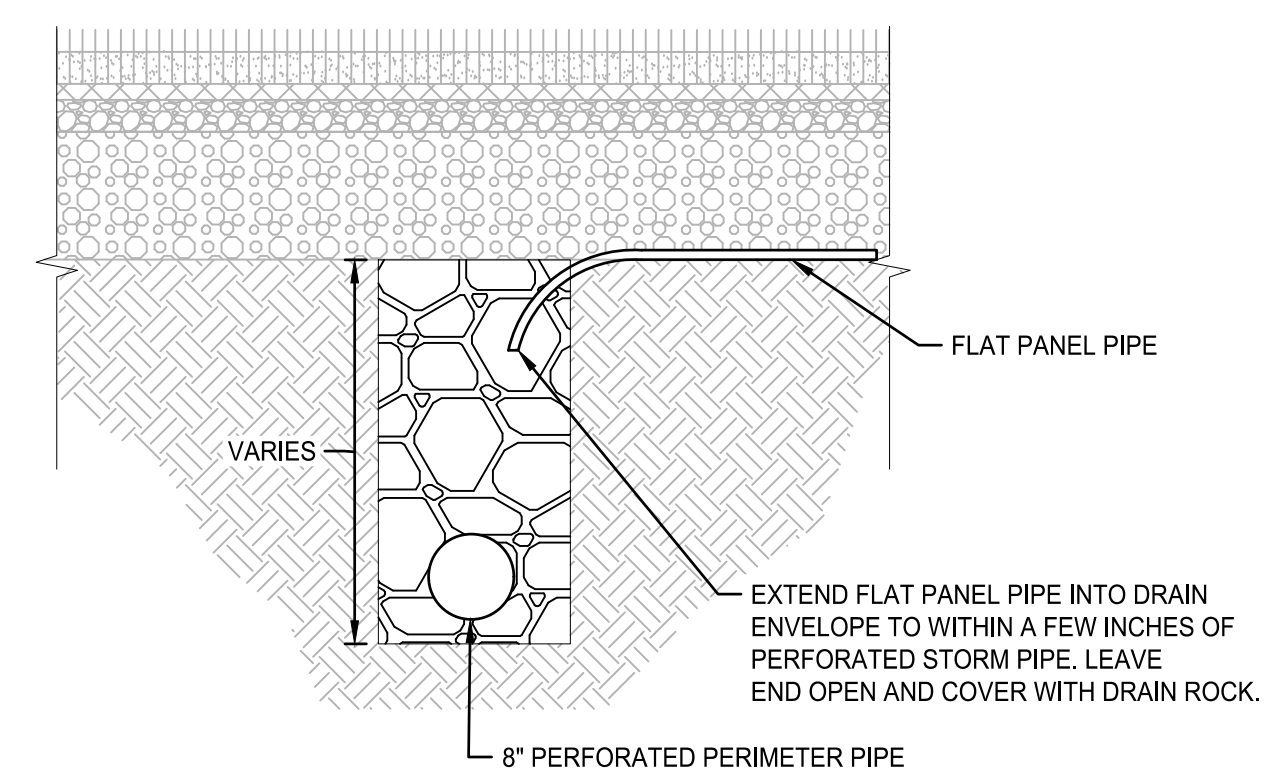
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1	FORMATTING UPDATES AND RENAMED	TJR	03/09/16		
REV.	DESCRIPTION	BY	MM/DD/YY	CHK'D	
<b>SYNTHETIC TURF ATHLETIC FIELD DRAIN PROFILE (ADVANEDGE)</b>					
DRAWING NUMBER: STD-1222				4640 TRUMAN BLVD HILLIARD, OHIO 43026	

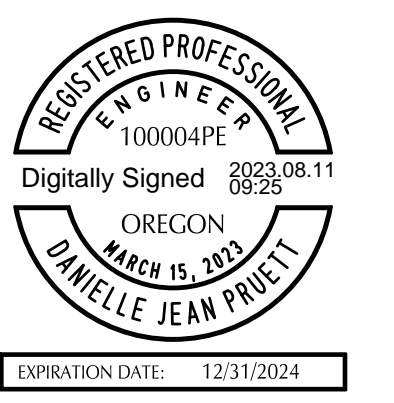


TURF FIELD DRAINAGE PERIMETER SECTION

1 FIELD DRAINAGE TRENCH  
N.T.S.



2 FLAT PANEL PIPE TO PERIMETER DRAIN  
N.T.S.



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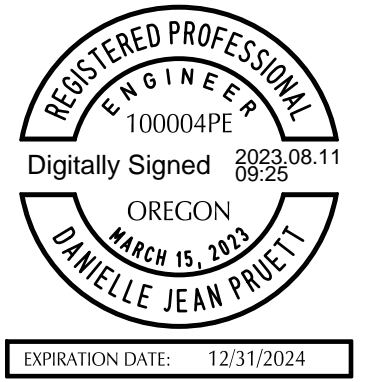
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**BEAVERTON HIGH SCHOOL REBUILD**

13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

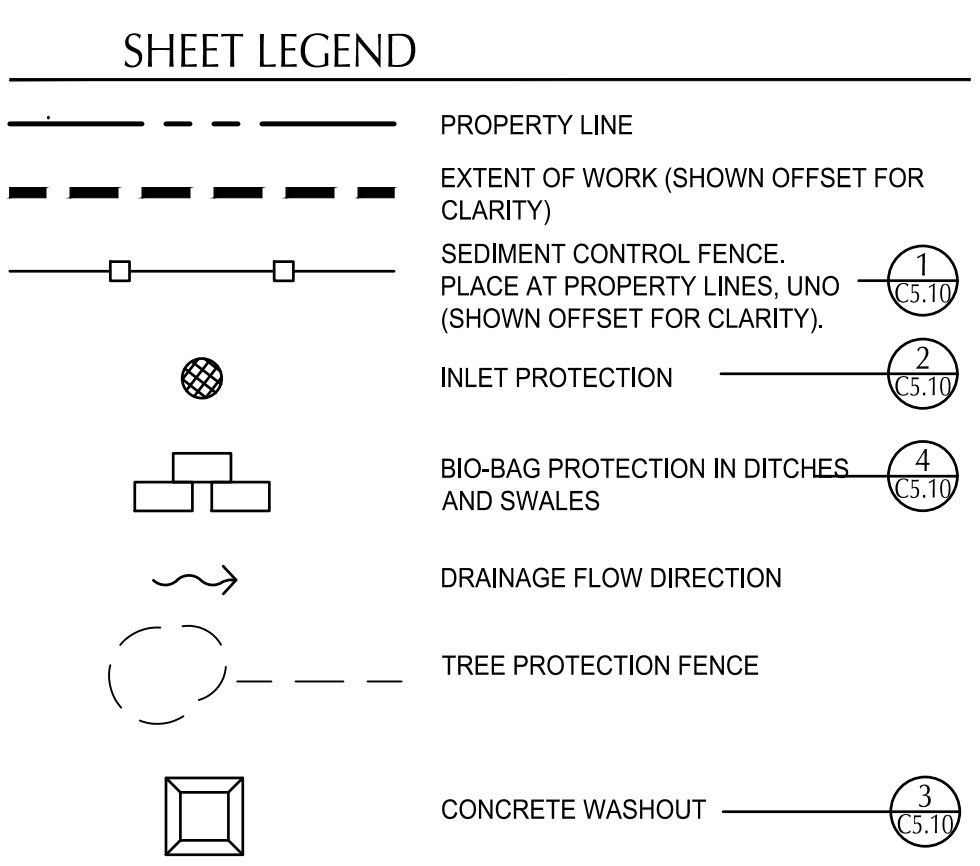
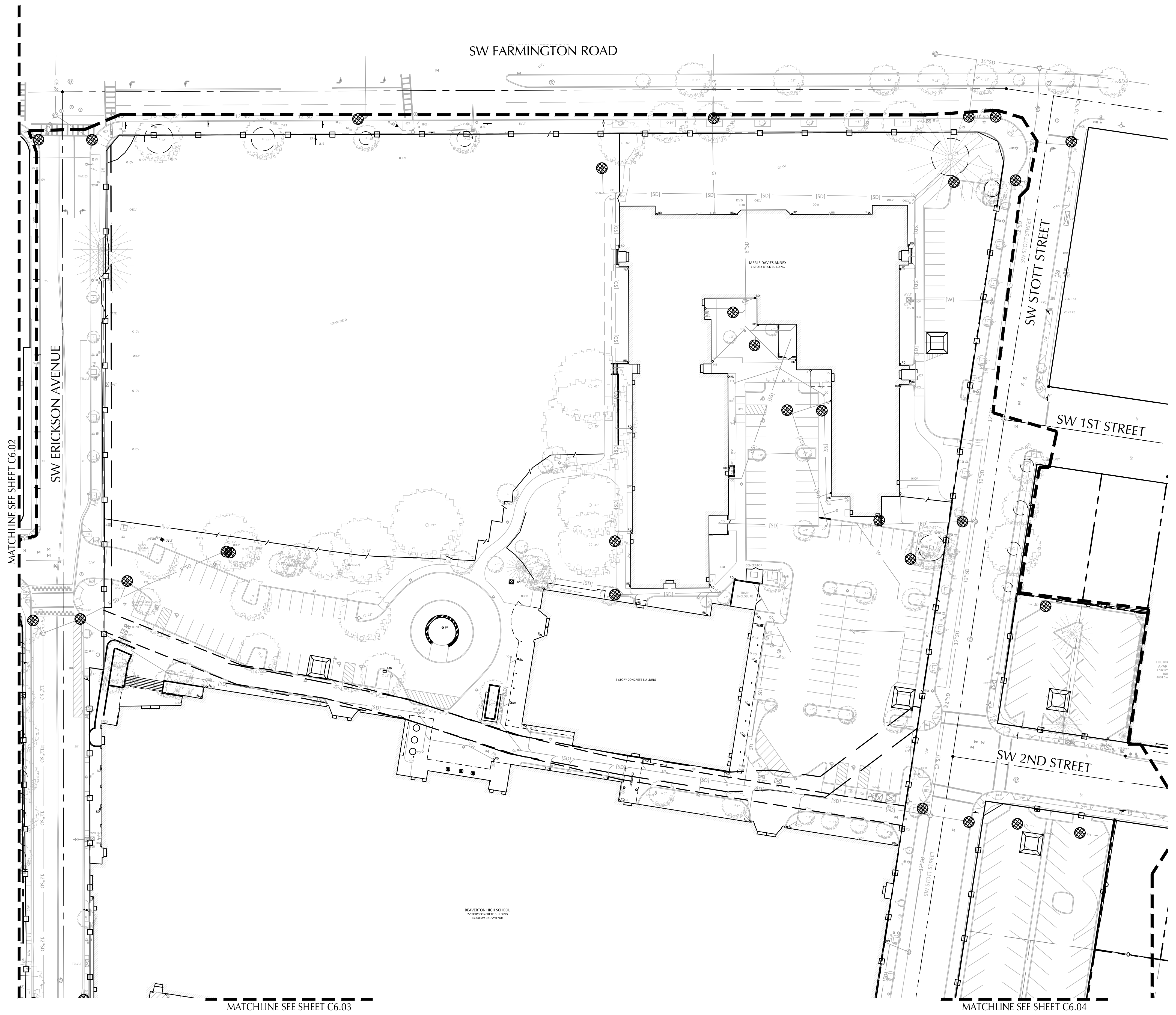
BEAVERTON SCHOOL DISTRICT  
T 503-356-4500



revisions	

phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

EROSION CONTROL PLANS  
**C6.01**



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**BEAVERTON HIGH SCHOOL REBUILD**

13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT  
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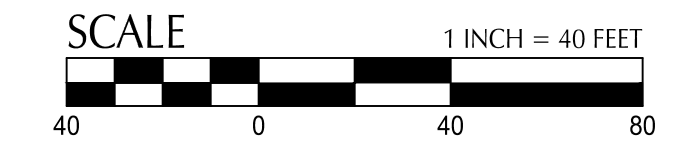
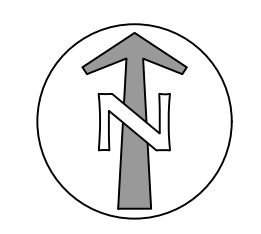
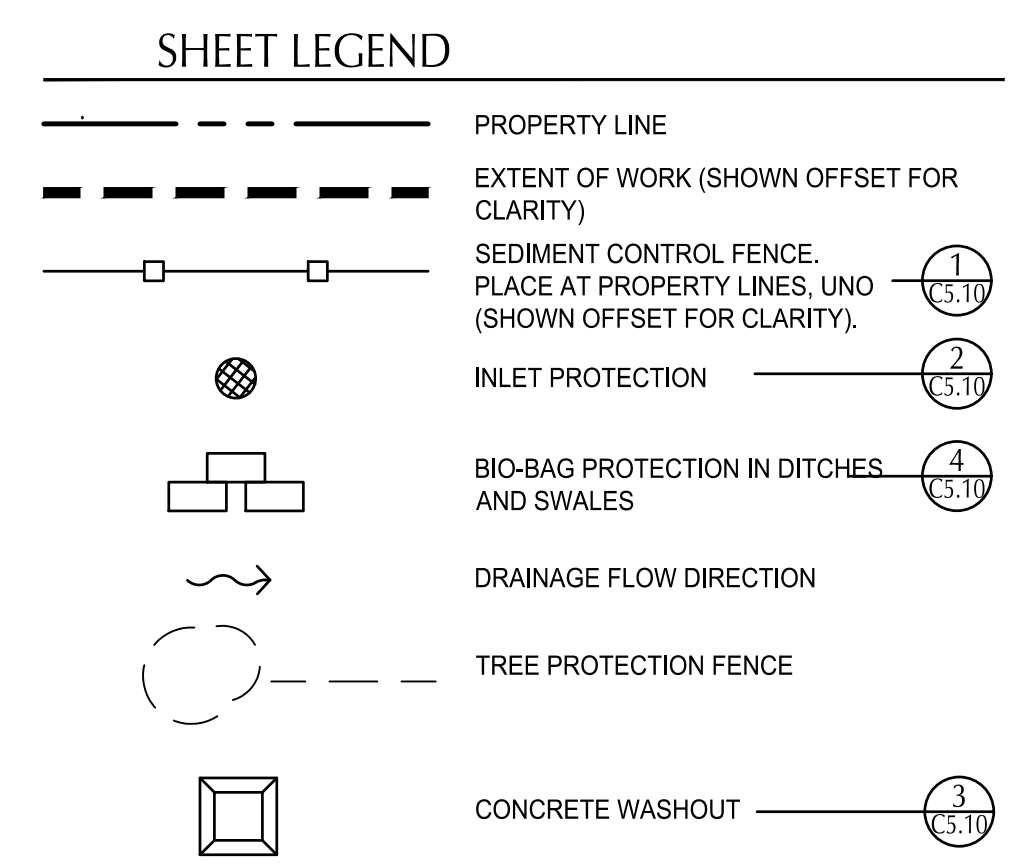
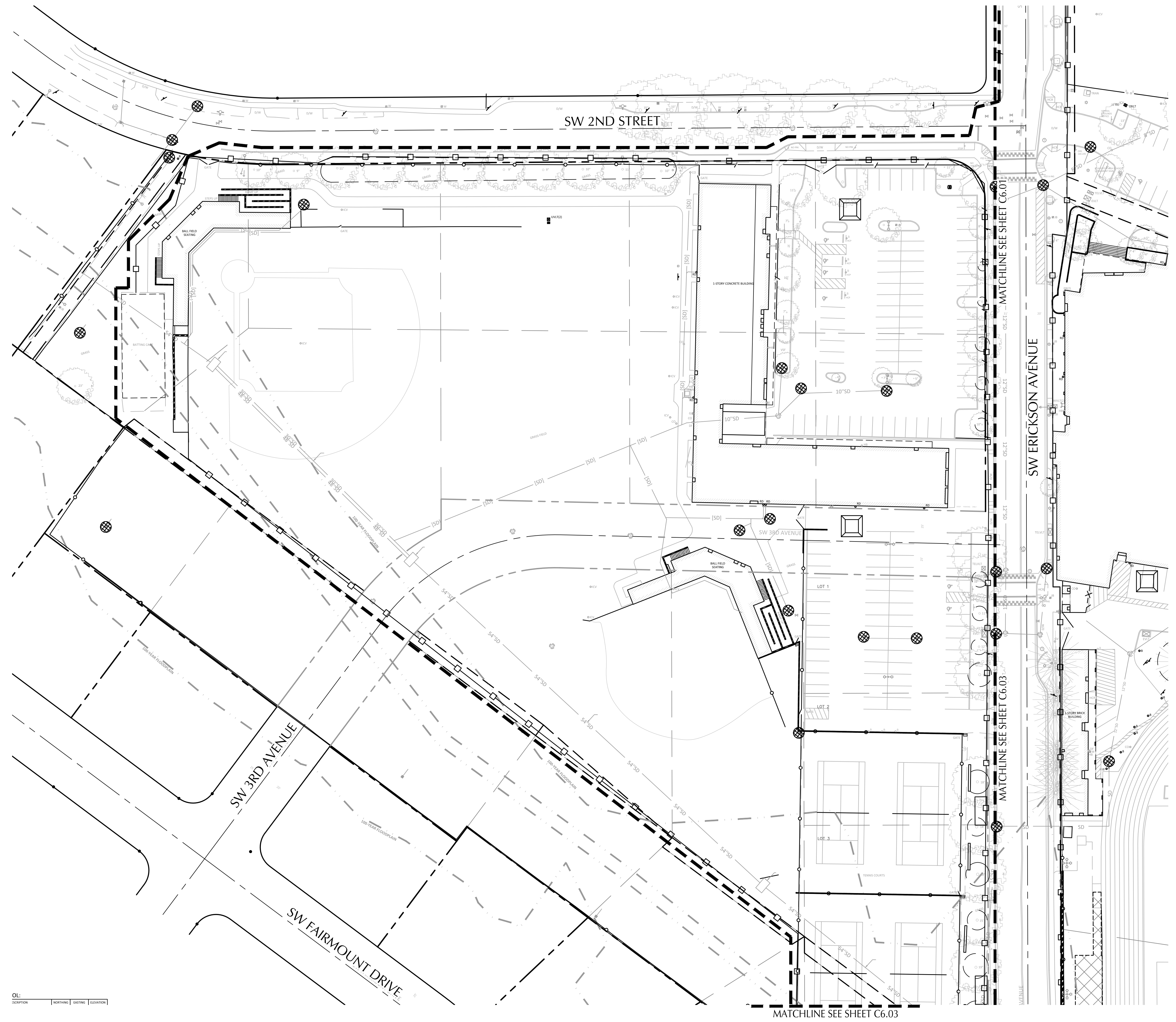


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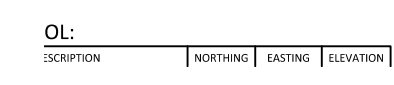
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phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

EROSION CONTROL PLANS  
**C6.02**



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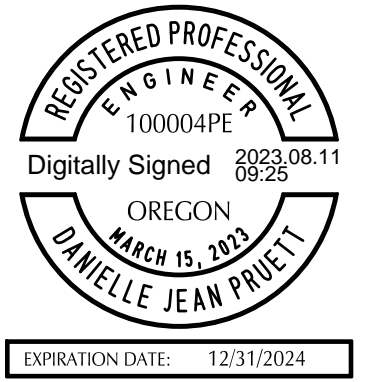
SEE SHEET C1.01 FOR EXISTING CONDITIONS LEGEND



**BEAVERTON HIGH SCHOOL REBUILD**

13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

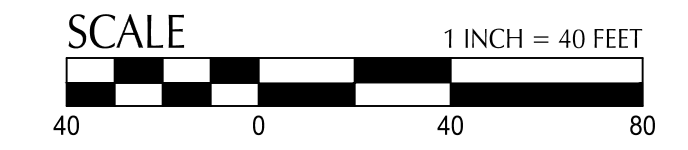
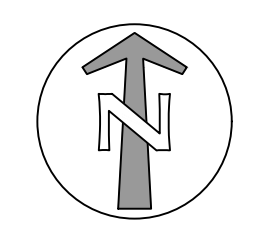
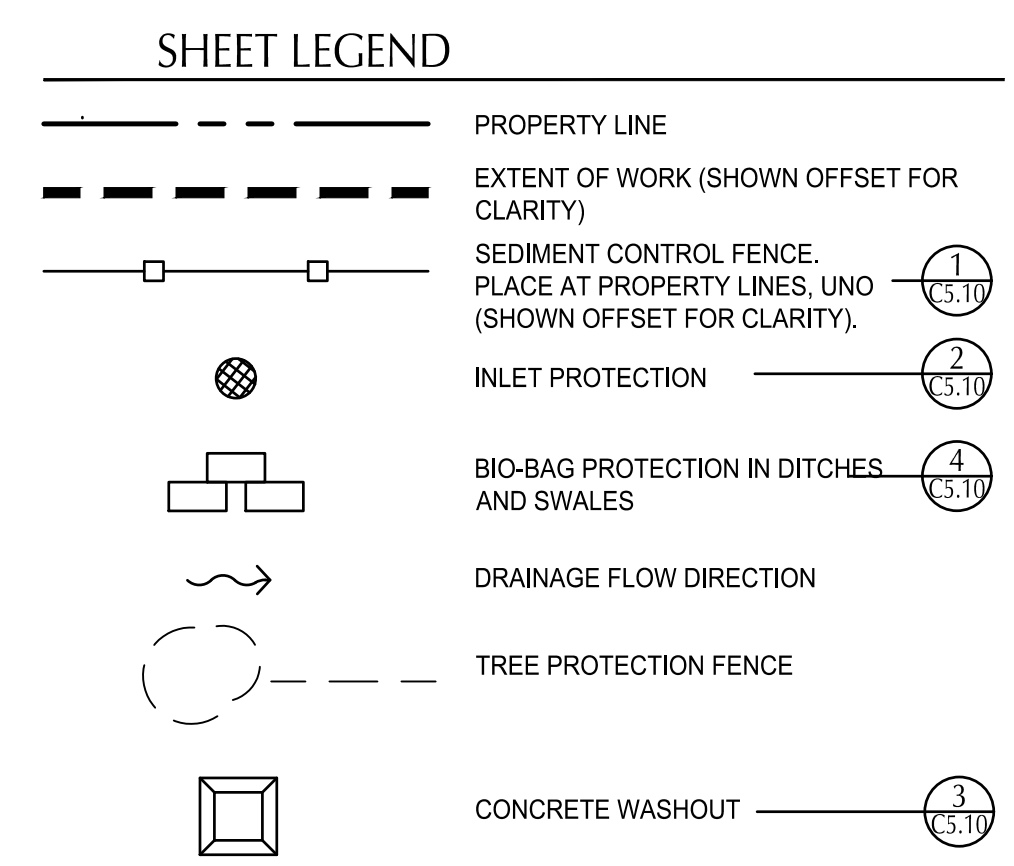
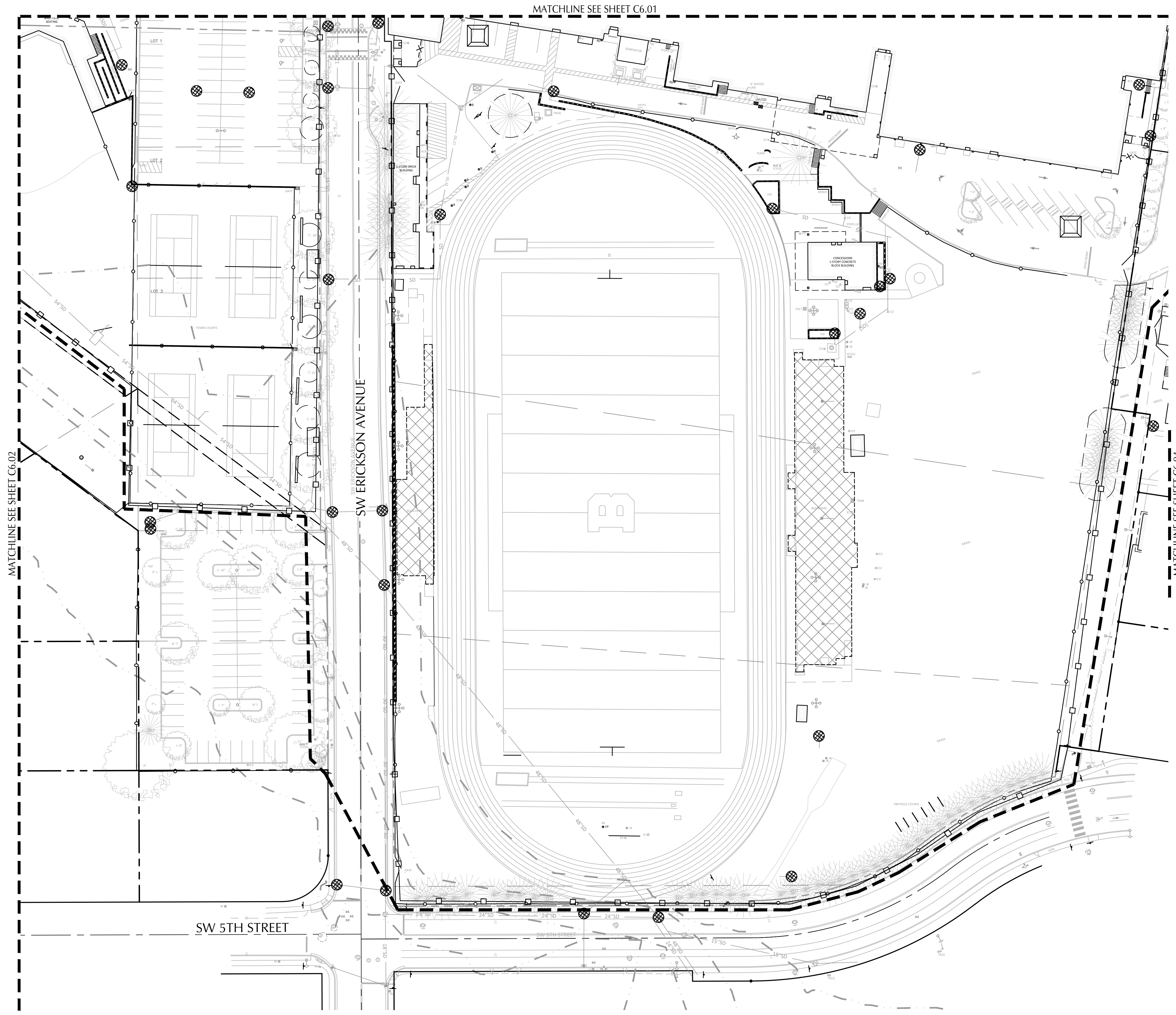
BEAVERTON SCHOOL DISTRICT  
T 503-356-4500



revisions	

phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

EROSION CONTROL PLANS  
**C6.03**



SEE SHEET C1.01 FOR EXISTING CONDITIONS LEGEND

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Plotted: 8/9/23 at 3:49pm By: dneadecker

**BEAVERTON HIGH SCHOOL REBUILD**

13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

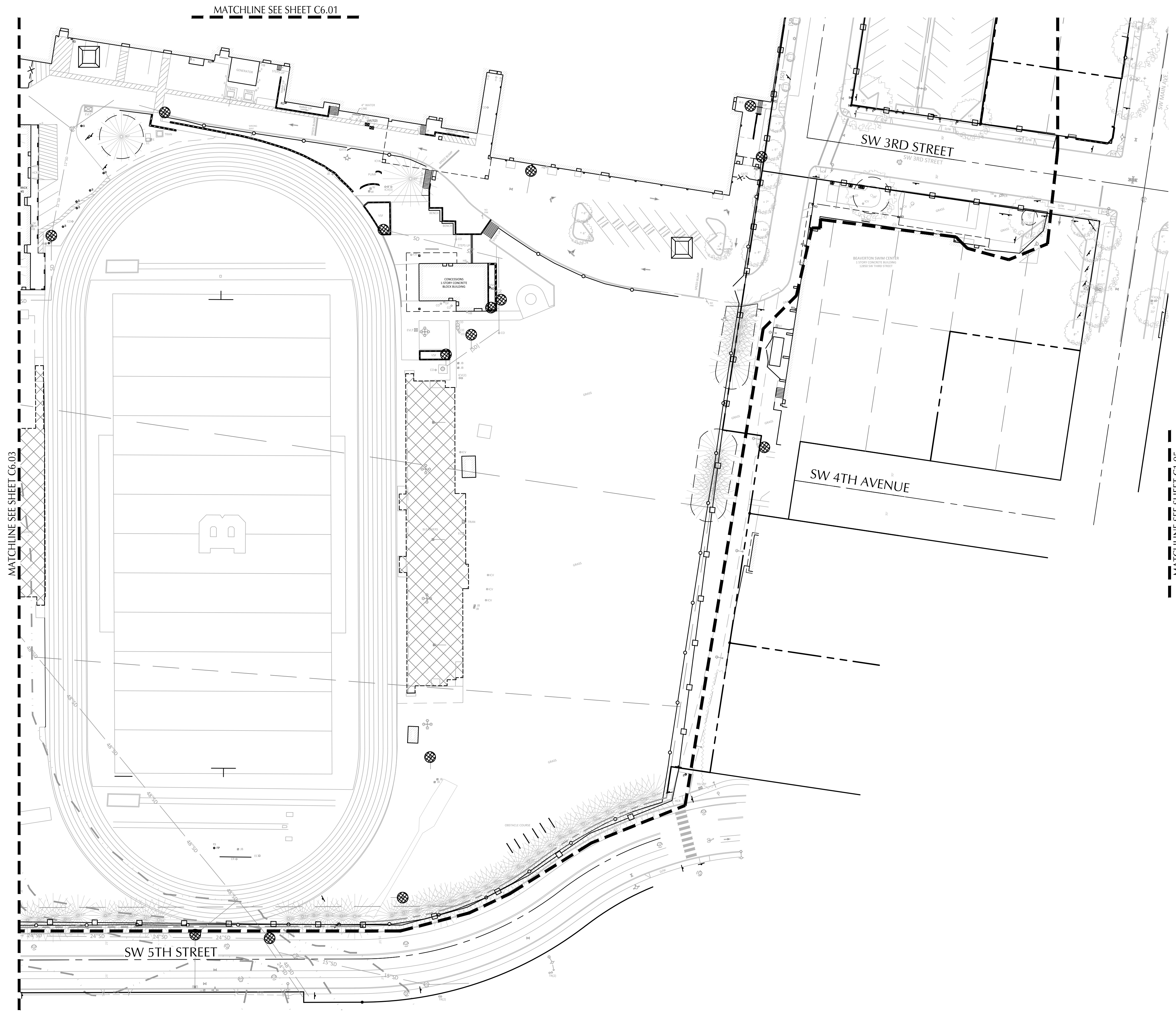
BEAVERTON SCHOOL DISTRICT  
T 503-356-4500



revisions	

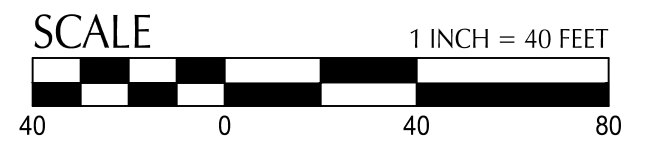
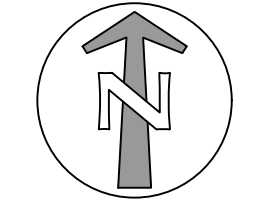
phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

EROSION CONTROL PLANS  
**C6.04**



**SHEET LEGEND**

	PROPERTY LINE
	EXTENT OF WORK (SHOWN OFFSET FOR CLARITY)
	SEDIMENT CONTROL FENCE. PLACE AT PROPERTY LINES, UNO (SHOWN OFFSET FOR CLARITY).
	INLET PROTECTION
	BIO-BAG PROTECTION IN DITCHES AND SWALES
	DRAINAGE FLOW DIRECTION
	TREE PROTECTION FENCE
	CONCRETE WASHOUT



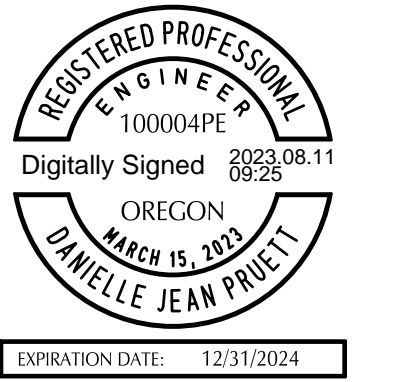
SEE SHEET C1.01 FOR EXISTING CONDITIONS LEGEND



**BEAVERTON HIGH SCHOOL REBUILD**

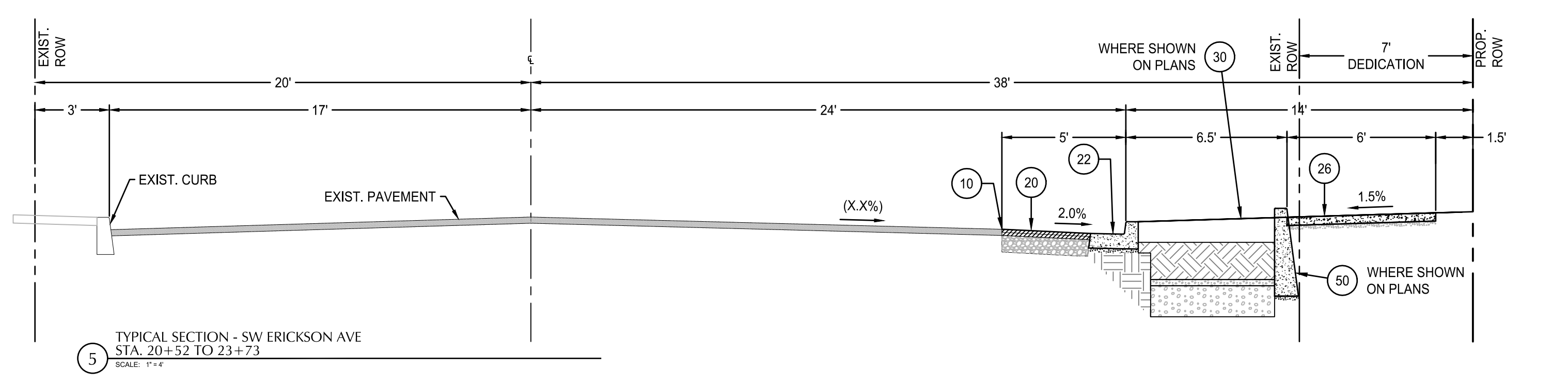
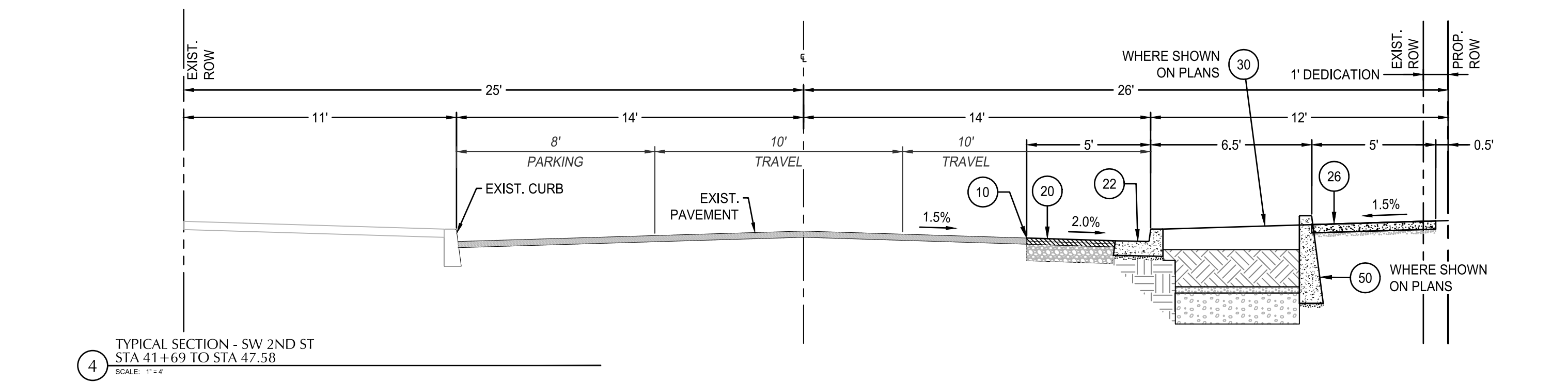
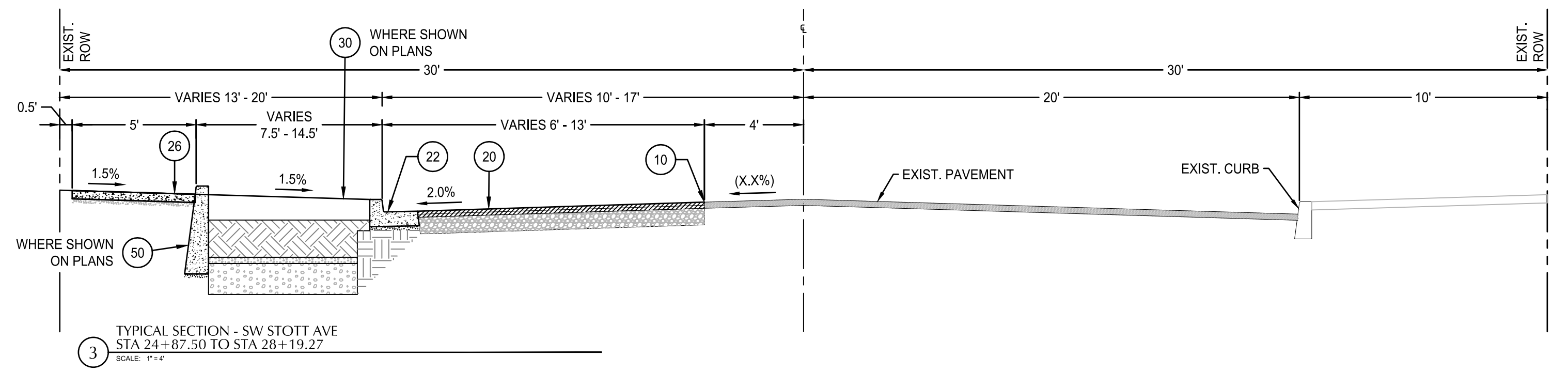
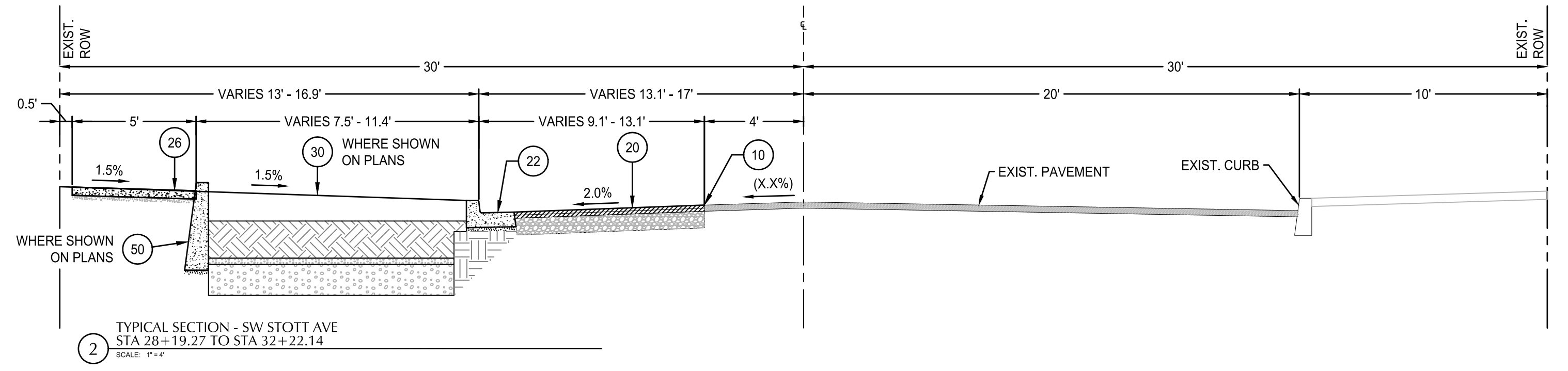
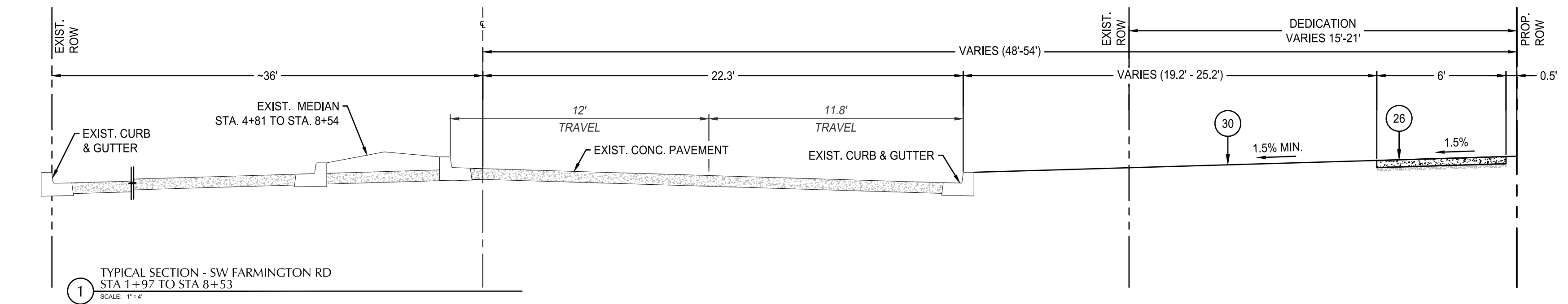
13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

**BEAVERTON SCHOOL DISTRICT**  
T 503-356-4500



**(X) PUBLIC KEY NOTES**

NOTE	DESCRIPTION
10	SAWCUT LINE
20	ASPHALT PAVEMENT SECTION
22	STANDARD MONOLITHIC CURB AND GUTTER COB STANDARD DWG 205
26	STANDARD SIDEWALK COB STANDARD DWG 215
27	CURBTIGHT SIDEWALK COB STANDARD DWG 216
30	STANDARD SIDEWALK TREEWELL COB STANDARD DWG 240
50	CWS STREETSIDE LIDA PLANTER (NO STREET PARKING) COB STANDARD DWG 370. I.D. AS SHOWN. SEE STORM PLANTER TABLE ON ST1.0.



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revisions	

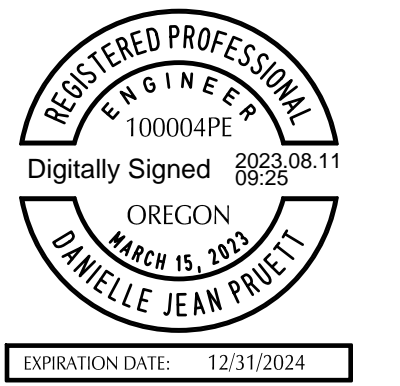
phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

TYPICAL SECTIONS 1  
**ST2.1**

BEAVERTON HIGH  
SCHOOL REBUILD

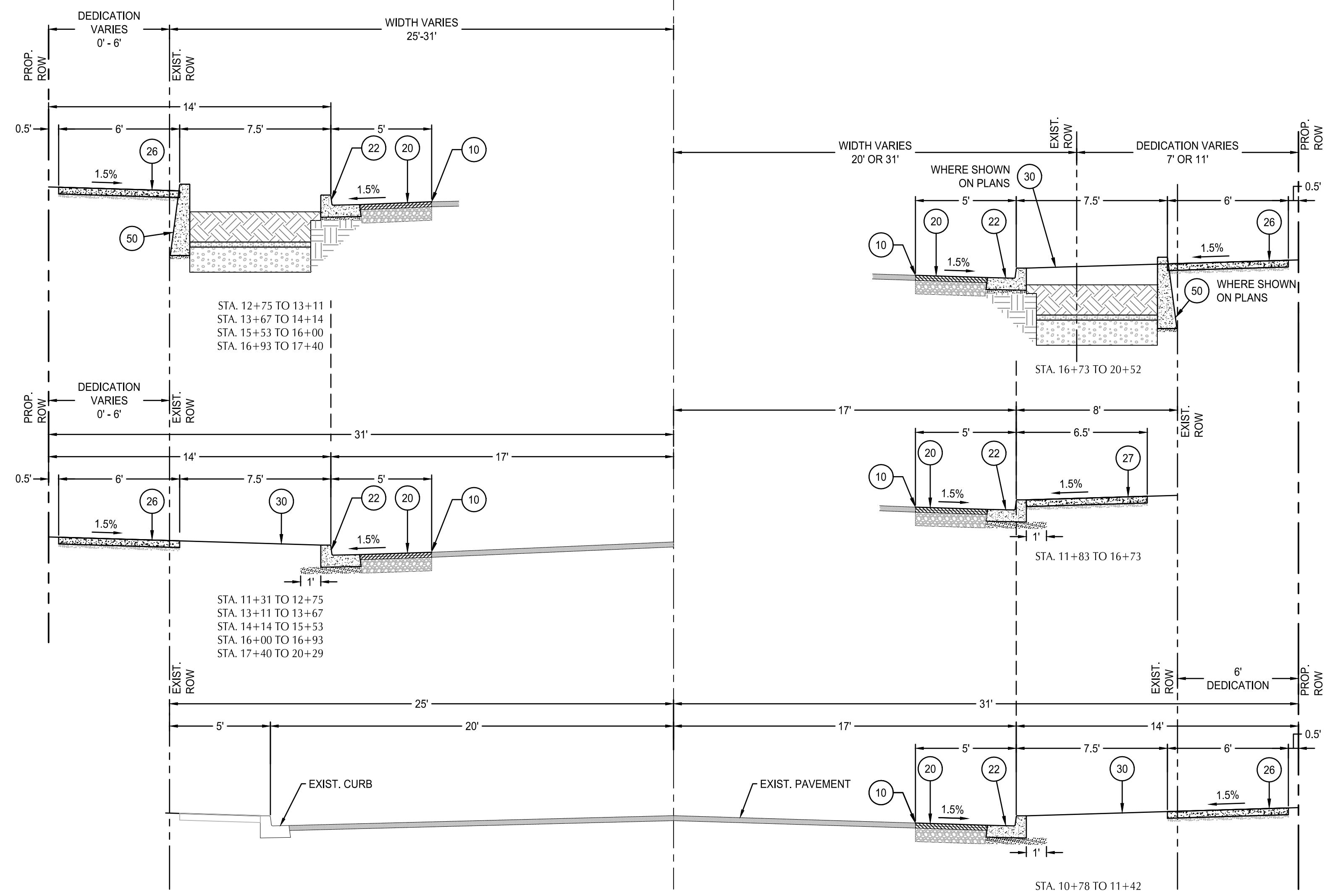
13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

BEAVERTON SCHOOL  
DISTRICT  
T 503-356-4500

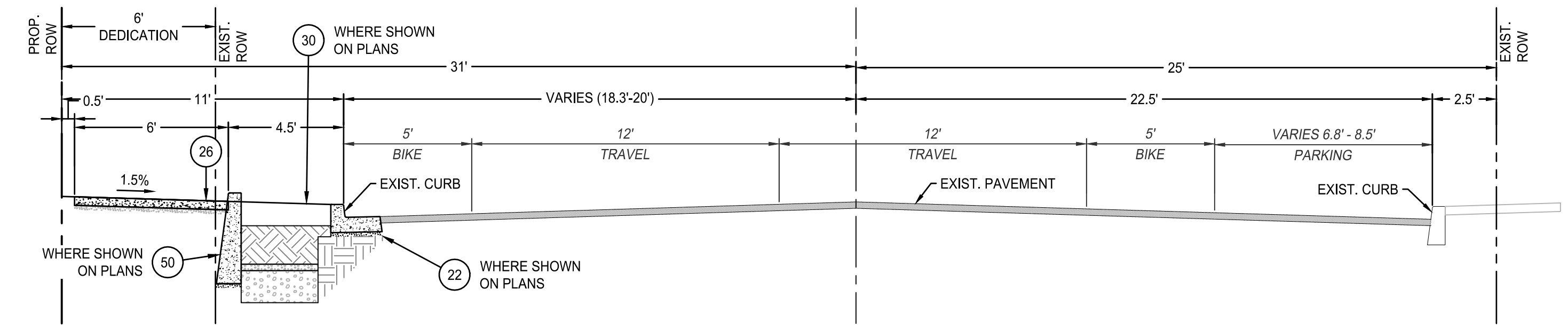


⊗ PUBLIC KEY NOTES

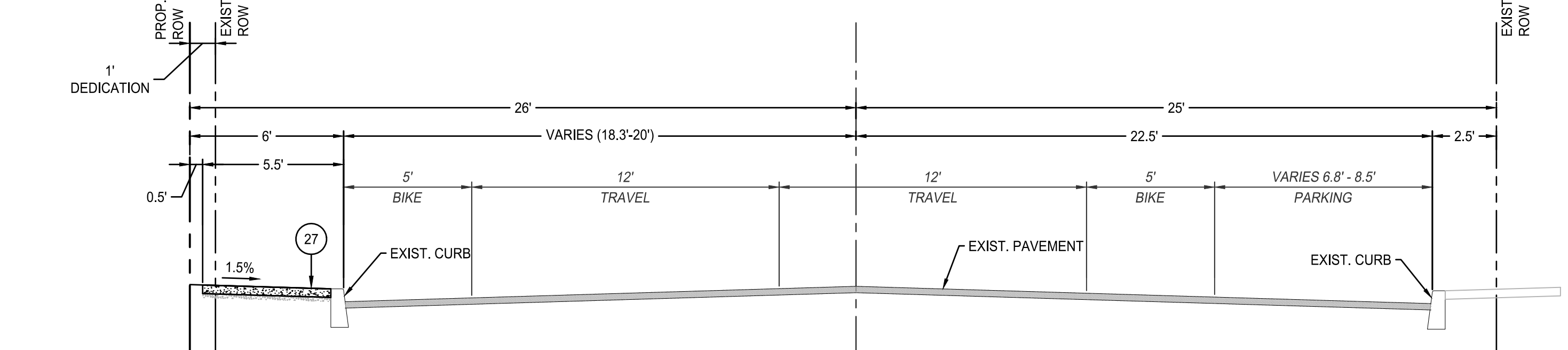
NOTE	DESCRIPTION
10	SAWCUT LINE
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5 TYPICAL SECTION - SW ERICKSON AVE  
SCALE: 1"=4'



6 TYPICAL SECTION - SW 5TH ST  
SCALE: 1"=4'



7 TYPICAL SECTION - SW 5TH ST  
SCALE: 1"=4'

File: \\s\proj\1\civil\projects\2021\01\10178-bad-beaverton-hs\CAD\PLOT\ROW\2100178-ST2.0-TYP-SEC.dwg TAB:ST2.2  
 Plotted: 8/9/23 at 4:12pm By: dneidecker

revisions	

phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

TYPICAL SECTIONS 2

**ST2.2**

BEAVERTON HIGH SCHOOL REBUILD

13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT

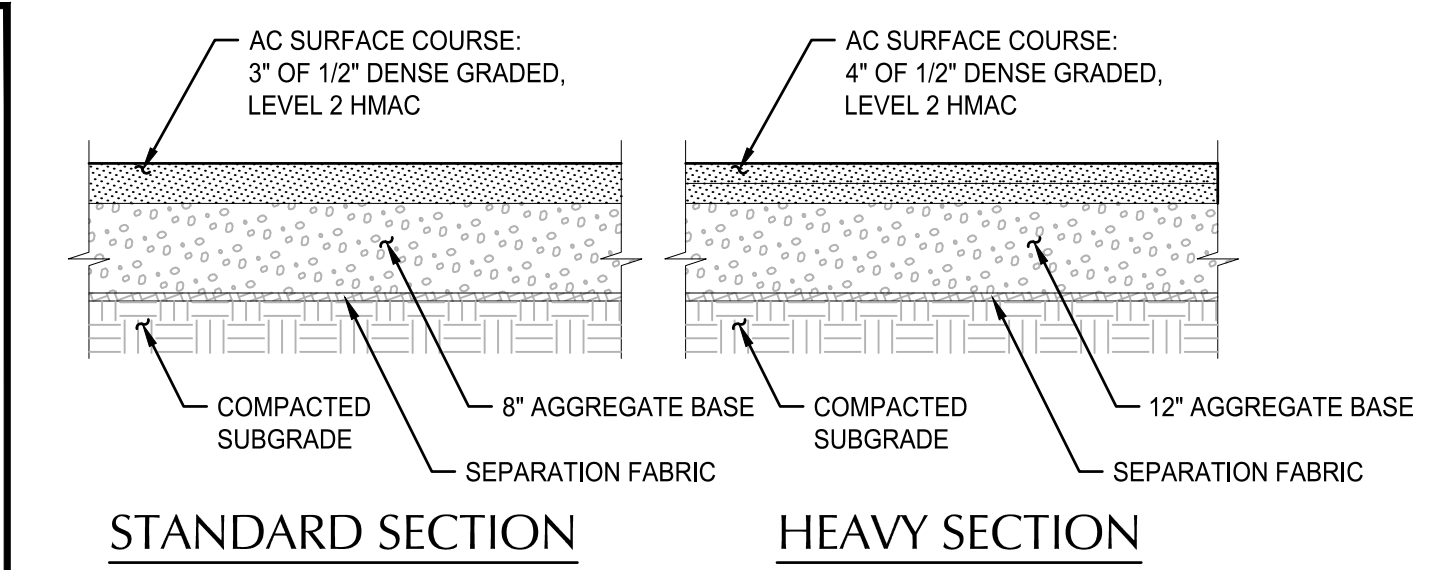
T 503-356-4500



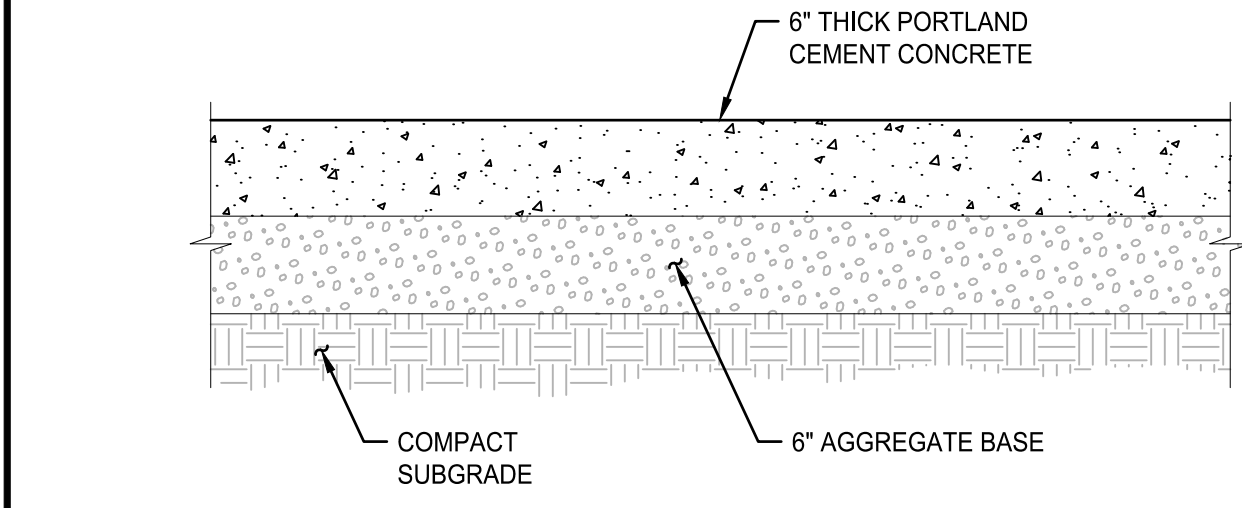
revisions	
phase	LAND USE RESUBMITTAL SET
date project	08/11/2023 21016

DETAILS

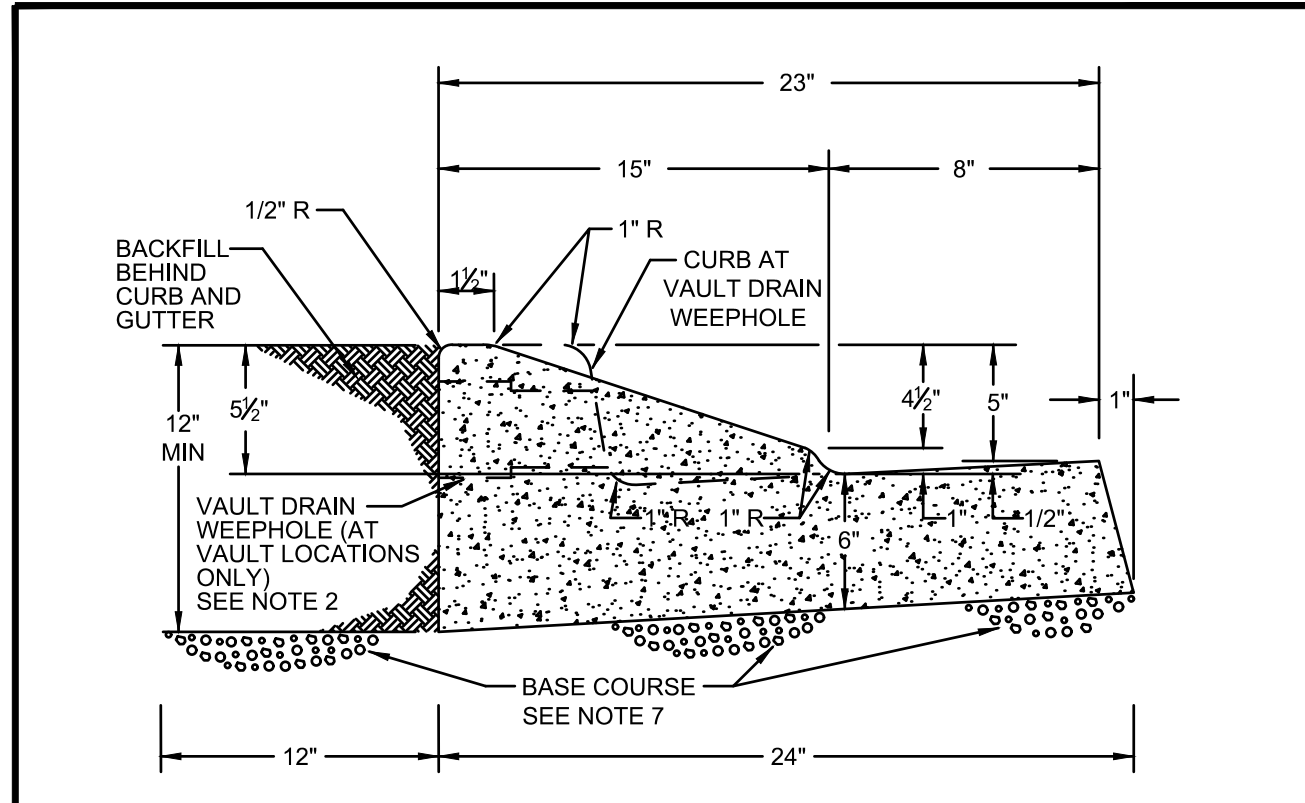
ST3.0



1A ASPHALT PAVEMENT SECTION  
SCALE: NTS

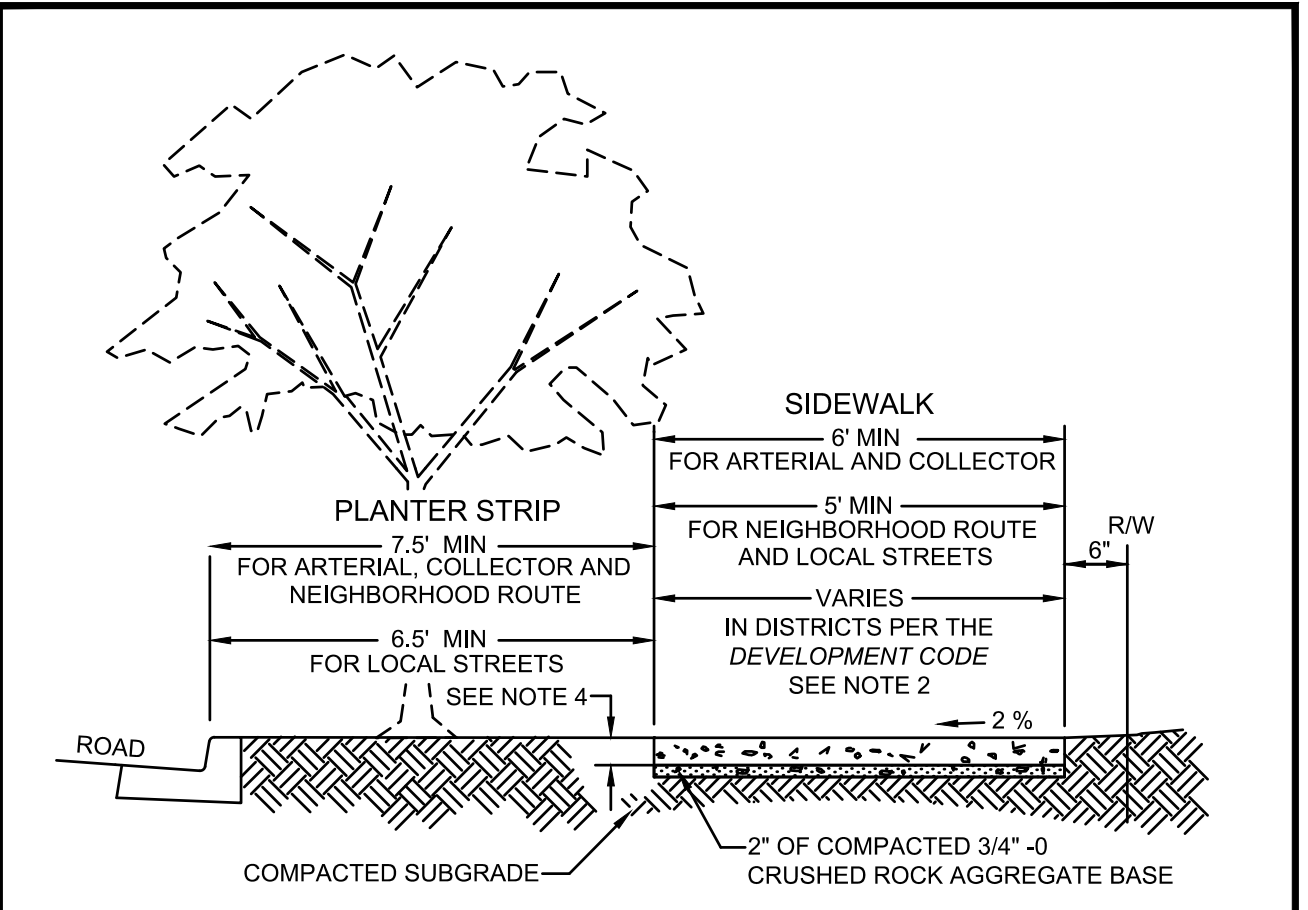


1B CONCRETE PAVEMENT SECTION  
SCALE: NTS



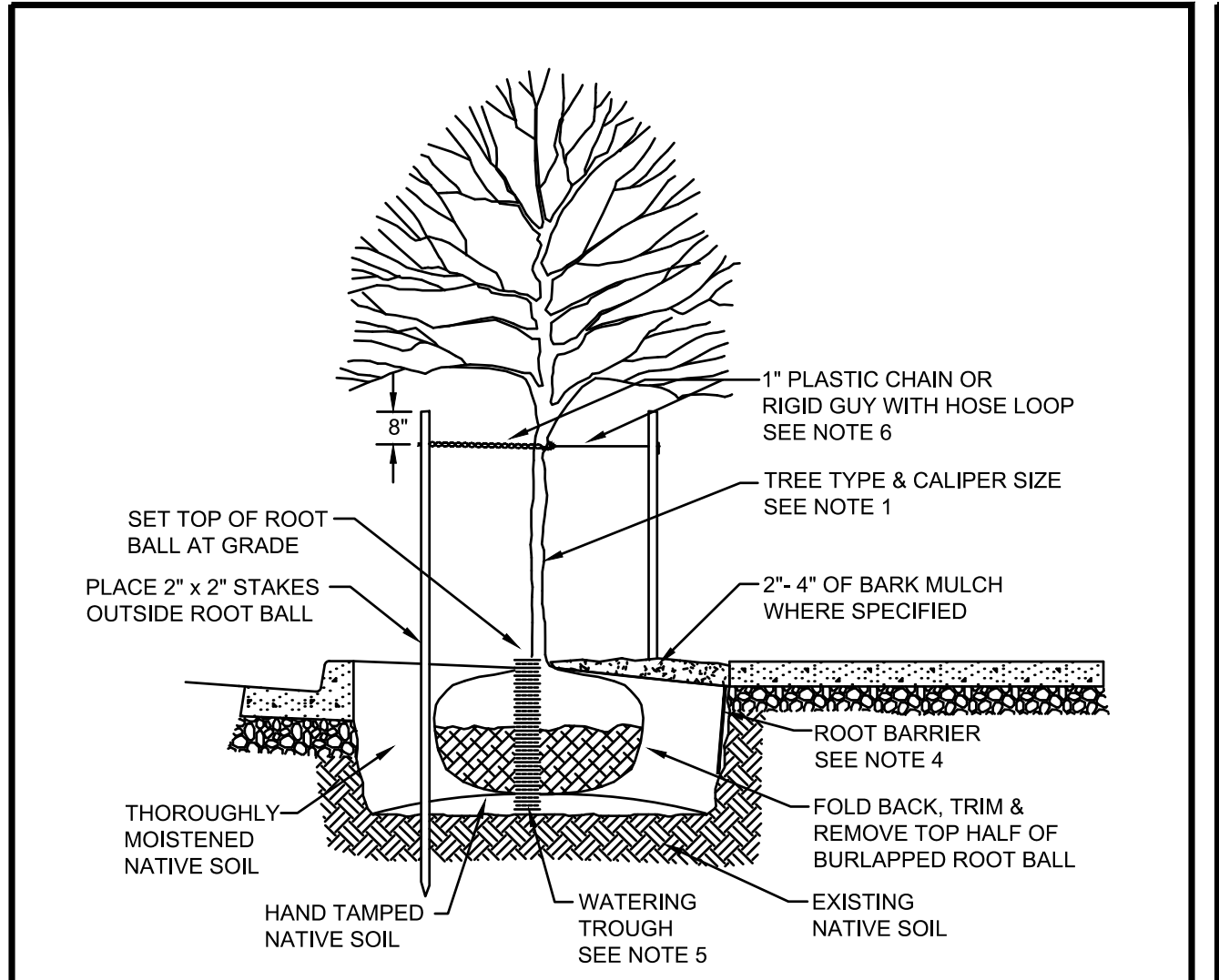
- NOTES:
- Mountable curb and gutter **REQUIRES PREAPPROVAL** by the City Engineer. This curb design is limited to use in cul-de-sacs and other special circumstances specifically approved.
  - Weepholes for downspout drain pipes are not allowed with this curb type, but weepholes for vault drain pipes are allowed. See *Beaverton Standard Dwg 202*. Vault drain pipe shall be 3" I.D. plastic pipe with coupling.
  - Concrete to have compressive strength of 4,000 psi at 28 days.
  - Expansion joints to be provided at each:
    - Point of tangency.
    - Cold joint.
    - Side of inlet structures.
    - Side of driveways.
  - Expansion joint material to be pre-molded, asphalt impregnated, non-extruding, with a thickness of 1/2 inch.
  - Contraction Joints shall have:
    - Spacing of not more than 15 feet.
    - Depth of joint of at least 1 1/2 inches.
  - Base Rock 1 1/2"-0 or 3/4"-0, 95% (AASHTO T-180) compaction. Base rock shall be to subgrade of street structure or 7.5 inches, whichever is greater, and shall extend 12 inches behind the curb.

MOUNTABLE CURB AND GUTTER  
SCALE: NONE  
DATE: JUNE 2018  
206



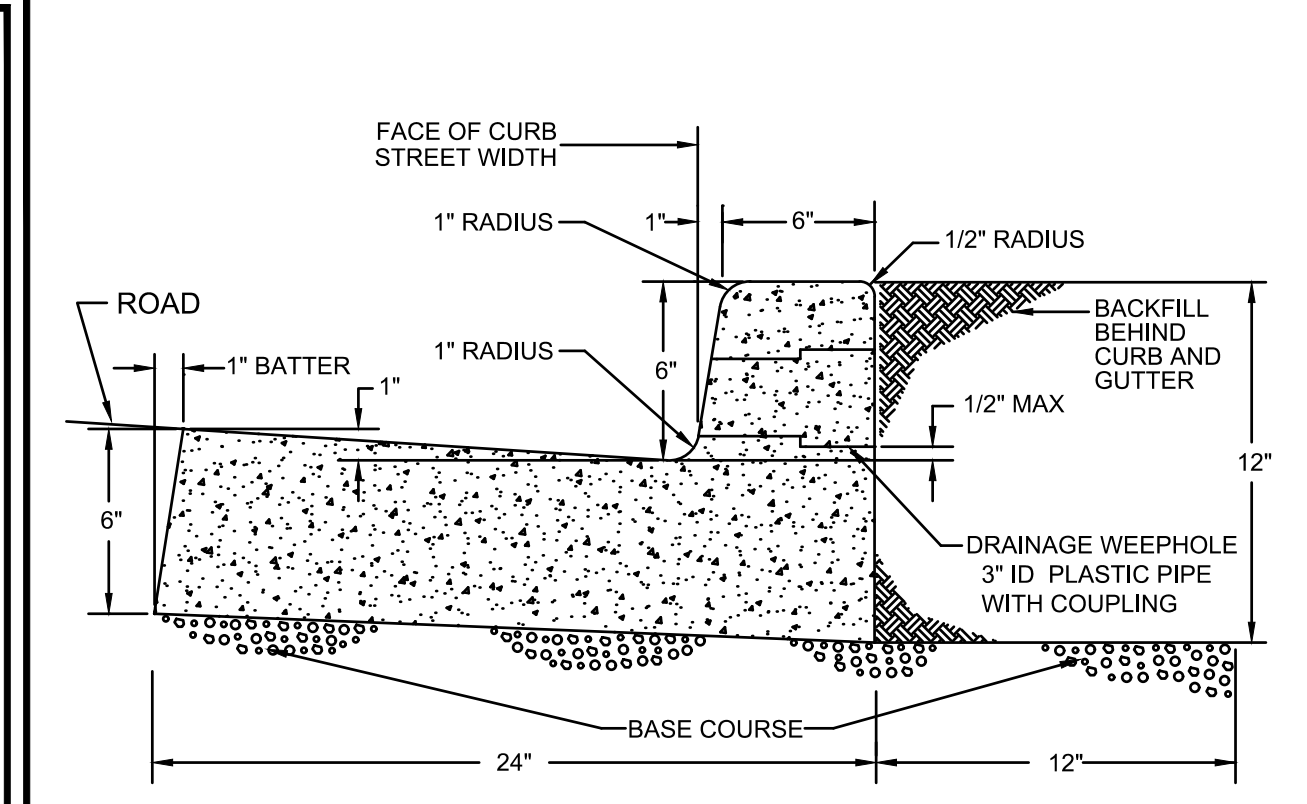
- NOTES:
- Concrete shall have a minimum compressive strength of 4,000 psi at 28 days. For slump see specifications.
  - Sidewalk panels shall be square with their length equal to the sidewalk's width, except that sidewalks in the Regional Center, Town Center, Station Area and Station Community districts may be wider than 6 feet, in which cases their panels may be 4 to 6 feet square, but all of equal size.
  - Expansion joints to be placed at sides of driveway approaches, utility vaults, sidewalk ramps and/or at points of tangency in curb as shown on the standard drawings for sidewalk ramps and at spacing not to exceed 45 feet.
  - Sidewalk shall have a minimum thickness of 4 inches, except that sidewalk that is intended as a portion of a driveway shall have a minimum thickness of 6 inches. See *Beaverton Standard Dwg 210 & 211*.
  - Finish with broom and edge all joints.
  - Width of curb is included in planter strip width.
  - Street trees are required except where specifically modified or waived in writing by the City Engineer.
  - For sidewalk repairs, replacements and installations in existing developments, match existing width of sidewalks, and sidewalk panels' widths and lengths.

STANDARD SIDEWALK  
SCALE: NONE  
DATE: JUNE 2018  
215



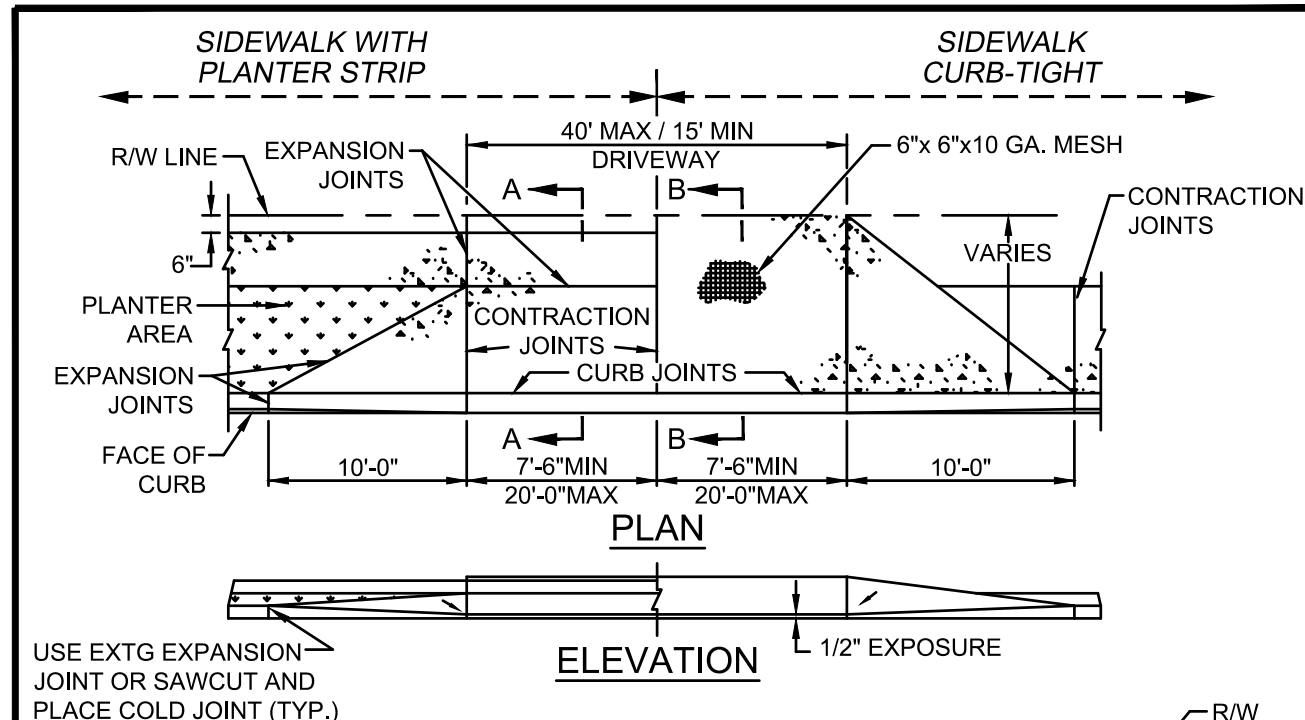
- NOTES:
- Tree species and caliper size are to be approved by the City Arborist.
  - Adjust planting locations so that tree crown or root ball does not conflict with above or below - ground utilities.
  - Do not undermine curb or sidewalk when excavating.
  - An 18 inches deep, root barrier shall be added where required by the City Arborist.
  - Opposite tree stakes, provide two, 3 inch diameter ADS perforated pipe watering troughs, filled with pea gravel.
  - Provide a loop in chain lock or guy hose large enough to allow for trunk growth.
  - Tree stakes are to be removed following the required establishment period.

STANDARD SIDEWALK TREEWELL  
SCALE: NONE  
DATE: JUNE 2018  
240



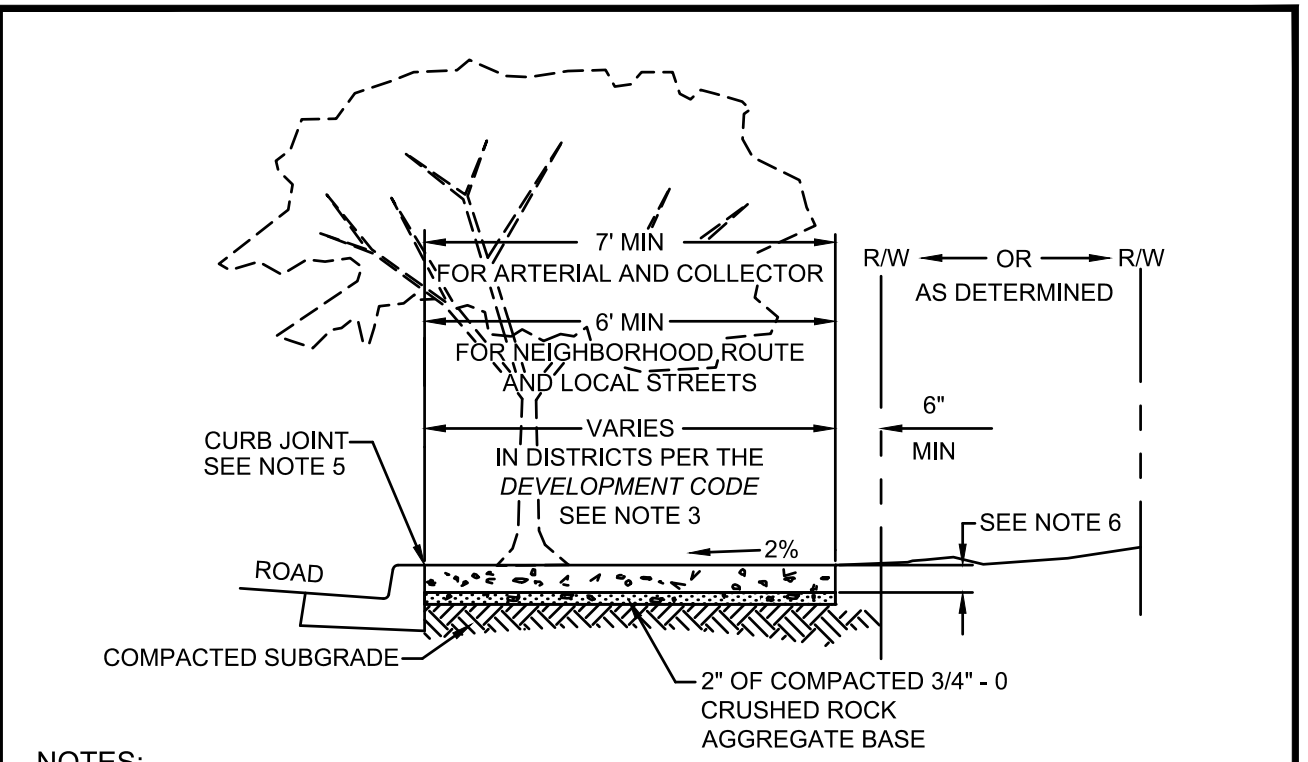
- NOTES:
- For use along medians, gutters may be reduced when preapproved by City Engineer.
  - Concrete to have compressive strength of 4,000 psi at 28 days.
  - Expansion joints to be provided at each:
    - Point of tangency.
    - Cold joint.
    - Side of inlet structures.
    - Side of driveways.
  - Expansion joint material to be pre-molded, asphalt impregnated, non-extruding, with a thickness of 1/2 inch.
  - Contraction Joints shall have:
    - Spacing of not more than 15 feet.
    - Depth of joint of at least 1 1/2 inches.
  - Base rock 1 1/2"-0 or 3/4"-0, 95% (AASHTO T-180) compaction. Base rock shall be to subgrade of street structure or 7.5 inches, whichever is greater, and shall extend 12 inches behind the curb.
  - Drainage weephole shall be:
    - 3-inch diameter I.D. plastic pipe with coupling and beveled outlet end to match face of curb.
    - Centered with contraction joints.
    - Core-drilled through existing curbs for drainage access.
  - Proof roll subgrade and base rock section prior to placement of curb.

STANDARD MONOLITHIC CURB AND GUTTER  
SCALE: NONE  
DATE: JUNE 2018  
205



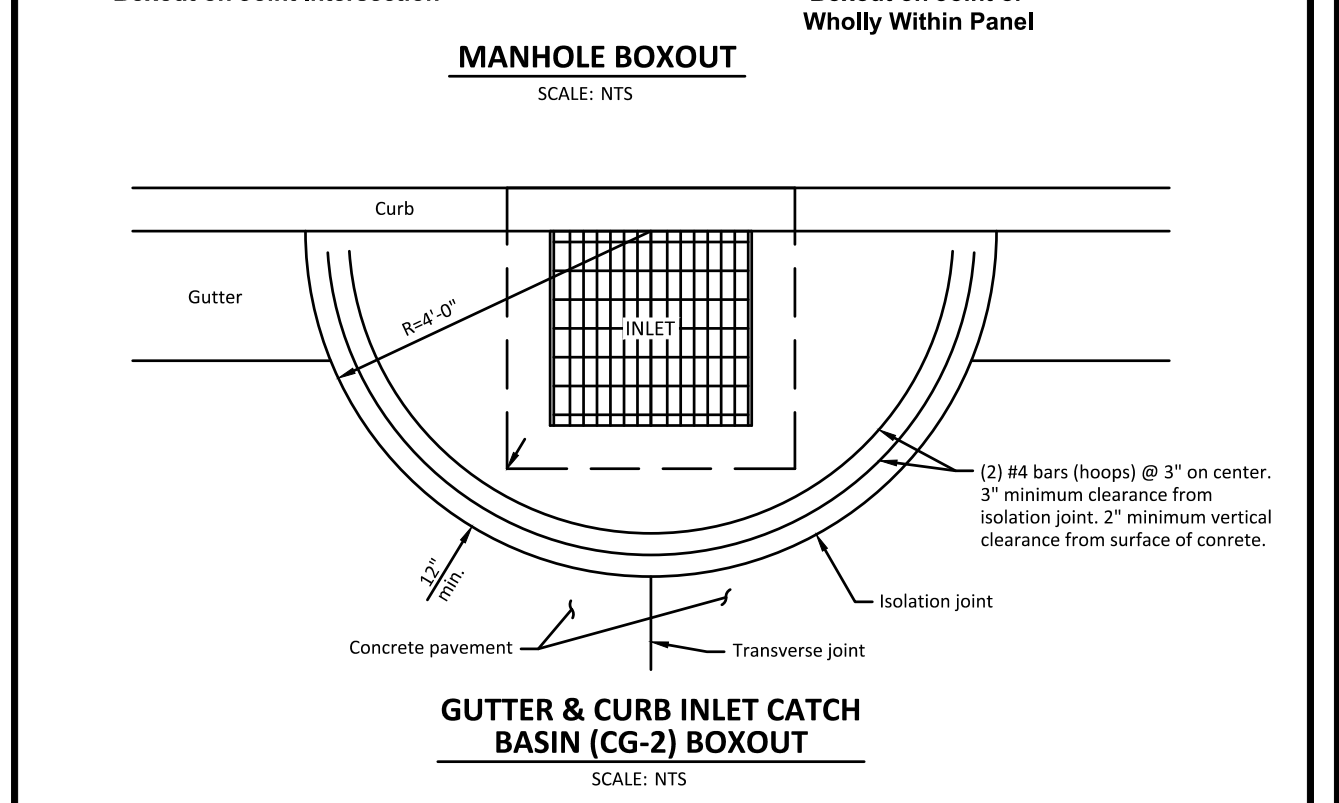
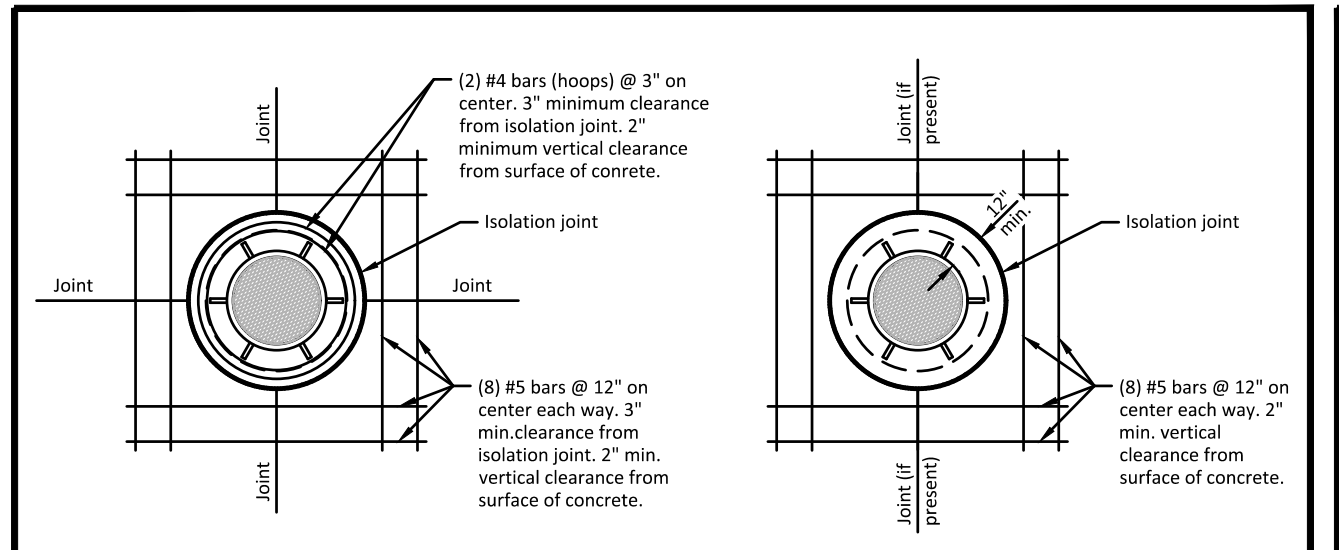
- NOTES:
- Section A-A may be used for curb-tight sidewalk driveway aprons if sidewalk's width is 10' or more.
  - Concrete shall have a minimum breaking strength of 4,000 psi after 28 days.
  - Curb joint shall be a troweled joint with a minimum 1/2 inch radius along back of curb.
  - Expansion joints shall be 1/2 inch pre-molded asphalt impregnated material, cedar or approved equal extending from top of base to finished grade.
  - For driveways 24 feet wide or greater, concrete to be increased to a 7 inch depth.
  - Finish with broom and edge all joints.
  - Weepholes not to be placed in wing.
  - If curbing is being removed to install a driveway and the gutter should become separated from the driving surface in excess of 1/16 inch, then the gutter shall also be removed and replaced.
  - Wings of the commercial driveway which are a portion of the sidewalk shall not exceed 8.333% (1:12).
  - ODOT Standard Drawings for driveways may be used when preapproved by City Engineer.
  - Slope of the driveway may be away from the curb when preapproved by City Engineer.

STANDARD COMMERCIAL DRIVEWAY  
SCALE: NONE  
DATE: JUNE 2018  
210



- NOTES:
- Curb tight sidewalks **REQUIRE PREAPPROVAL** by the City Engineer. They are used for sidewalk repairs, replacements and installations in existing developments. Match width of existing sidewalks, and widths and lengths of existing sidewalk panels.
  - Concrete shall have a minimum compressive strength of 4,000 psi at 28 days. For slump see specifications.
  - Sidewalk panels shall be square with their length equal to the sidewalk's width, except that sidewalks in the Regional Center, Town Center, Station Area and Station Community districts may be wider than 6 feet, in which cases their panels may be 4 to 6 feet square, but all of equal size.
  - Expansion joints to be placed at sides of driveway approaches, utility vaults, sidewalk ramps and/or at points of tangency in curb as shown on the standard drawings for sidewalk ramps and at spacing not to exceed 45 feet.
  - For sidewalks adjacent to the curb and poured at the same time as the curb, the joint between them shall be troweled with a minimum 1/2 inch radius.
  - Sidewalk shall have a minimum thickness of 4 inches, except that sidewalk that is intended as a portion of a driveway shall have a minimum thickness of 6 inches. See *Drawings 210 & 211*.
  - Where vehicular access across sidewalk is required by City, a 40 foot long section of sidewalk shall be provided in the access area, shall be 6-inches thick and shall be reinforced with 6"x6"x10 ga steel mesh. Location of 40 foot long section to be as directed by City Engineer.
  - Finish with broom and edge all joints.
  - Street trees, treewells and grates are required except where specifically modified or waived in writing by the City Engineer.
  - For sidewalk widths around grates, treewells, and tree grate requirements, see *Beaverton Standard Dwg 241*.

CURB TIGHT SIDEWALK  
SCALE: NONE  
DATE: JUNE 2018  
216

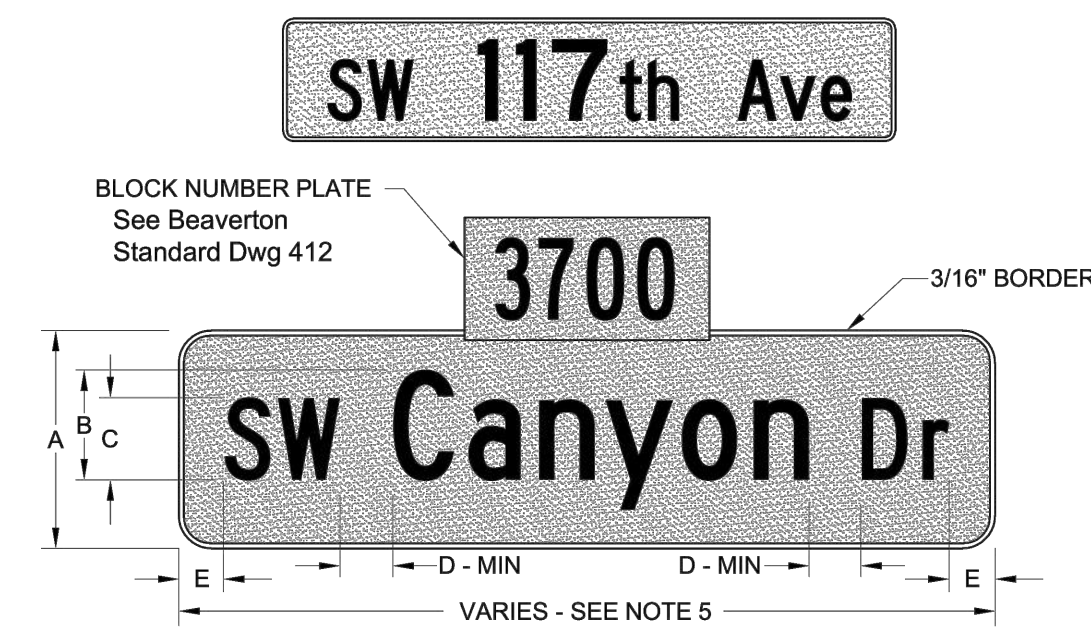


- NOTES:
- Place 2 layers of #30 felt bond breaker meeting the requirements of ASTM D226, Type II at isolation joints.
  - Locate joint on center of manhole rim when possible.

MANHOLE AND INLET CONCRETE BOXOUTS  
SCALE: NONE  
DATE: JUNE 2018  
220-2

File: \\c:\work\1\civil\projects\st3\02101101175-bad-beaverton-hs\CAD\PILOT\ROW2100178-ST3.0-DTL.dwg TAB:ST3.0  
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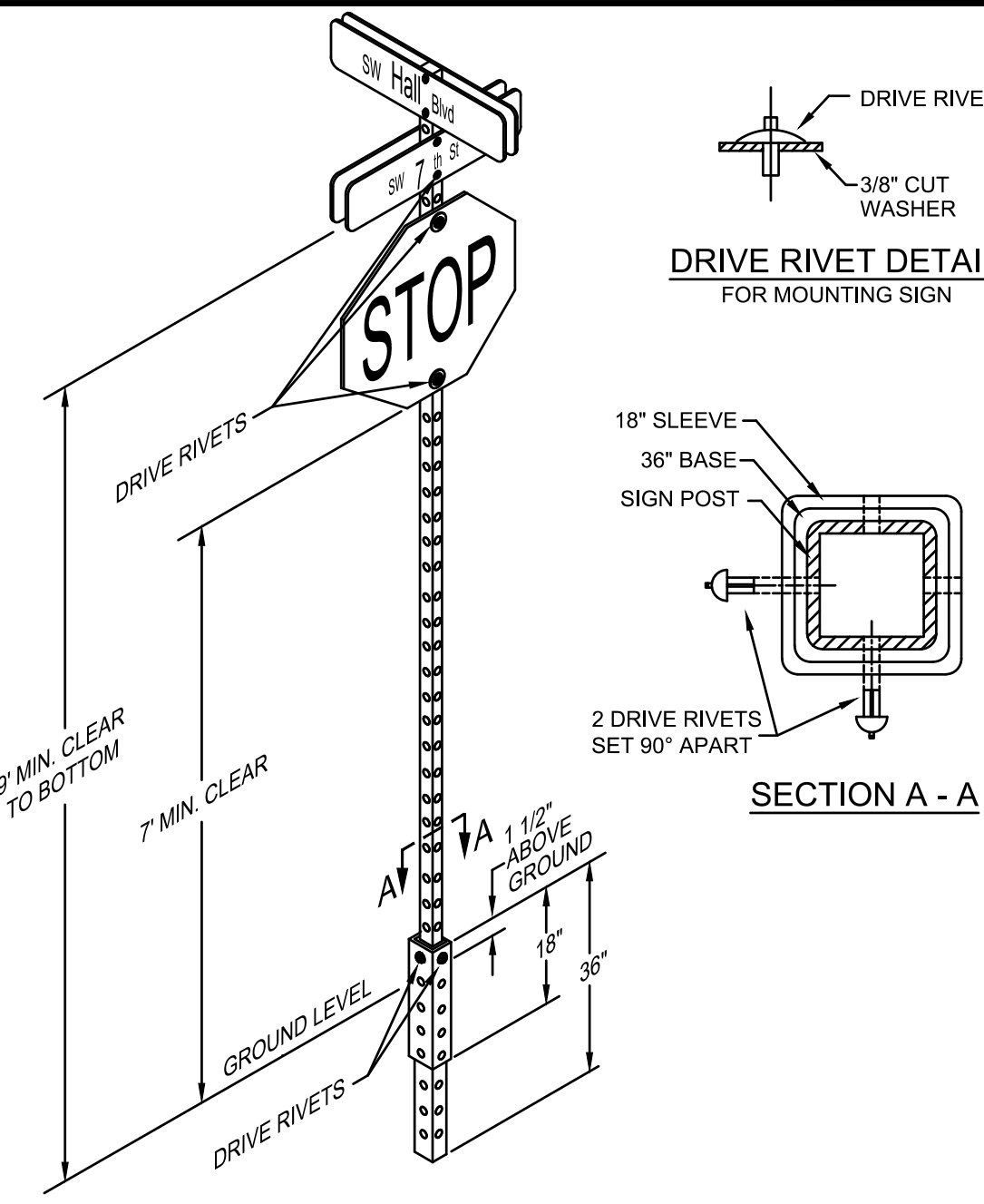




**NOTES:**

- On all streets with posted speeds of 25 mph or less, new street name letters shall be 4 inches tall.
- Letter styles from the *Standard Alphabets for Highway Signs Manual* shall be as follows:
  - For the name of street use 4 inch series 'C'.
  - For numbered streets use 4 inch series 'D' for the number and 3 inch series 'C' for the suffix.
  - For prefixes, suffixes and block numbers use 3 inch series 'C'.
- All signs shall include block numbers, as assigned by the City. Number streets shall include block numbers only when they differ from the actual street number.
- Flat blanks for 4 inch street name signs shall be 0.100 inch gauge with 6063 T6 alodine coated aluminum substrate.
- The minimum length shall be 24 inches and the maximum length shall be 36 inches, in 6 inch increments, with 1.5 inch radius corners.
- Street name signs shall be green 3M Scotchlite brand High Intensity Prismatic Reflective sheeting.
- All letters, numbers and borders shall be white 3M Scotchlite brand High Intensity Prismatic Reflective sheeting.
- For post mounting assembly see *Beaverton Standard Dwg 400*.

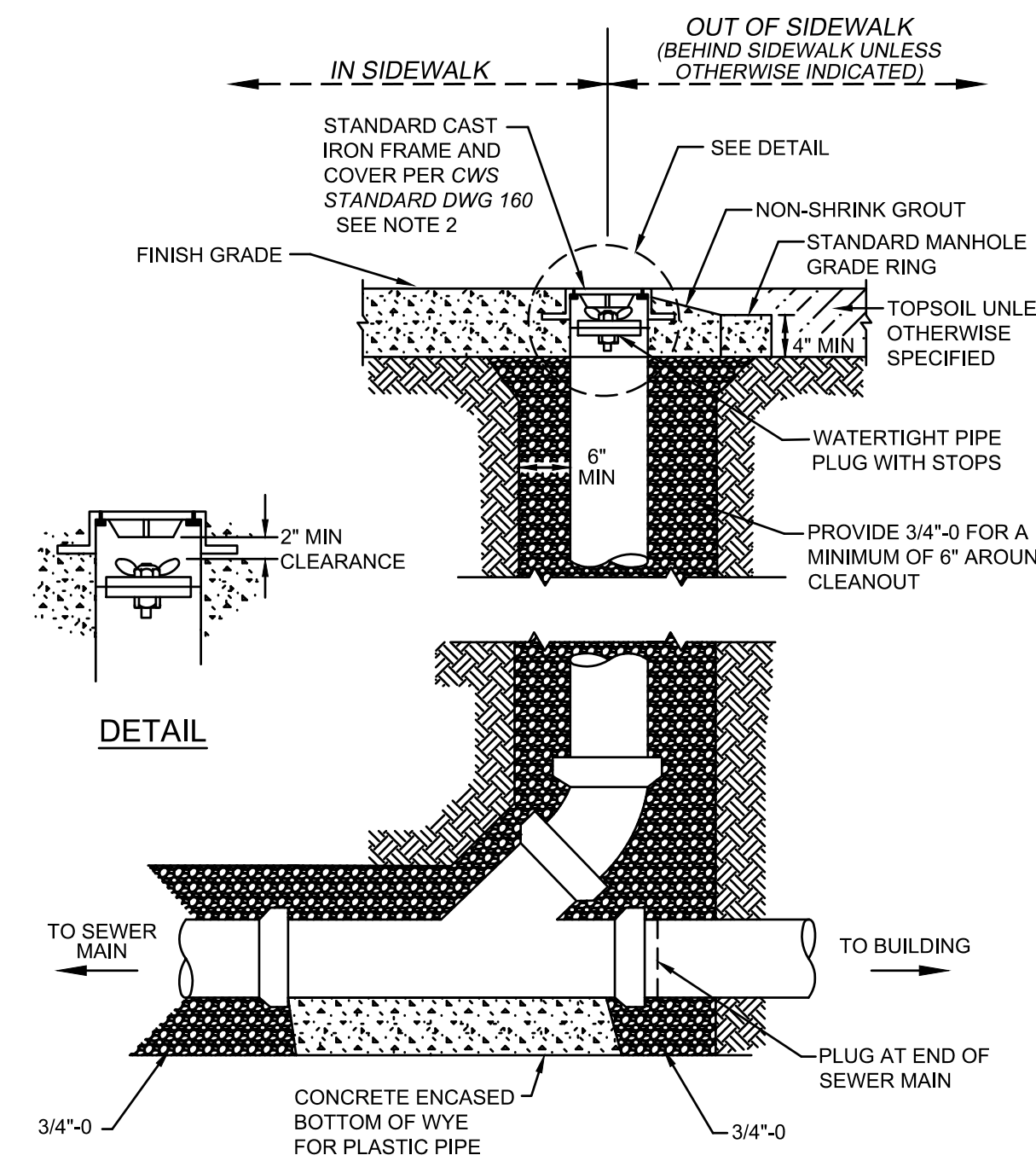
Beaverton **STREET NAME SIGN 4 INCH TALL LETTERS** SCALE: NONE DATE: JUNE 2018 **410**



**NOTES:**

- Sign post shall be inserted a minimum of 12 inches into the 36 inch base.
- See Chapter 4 of the *Engineering Design Manual* for the material specifications.

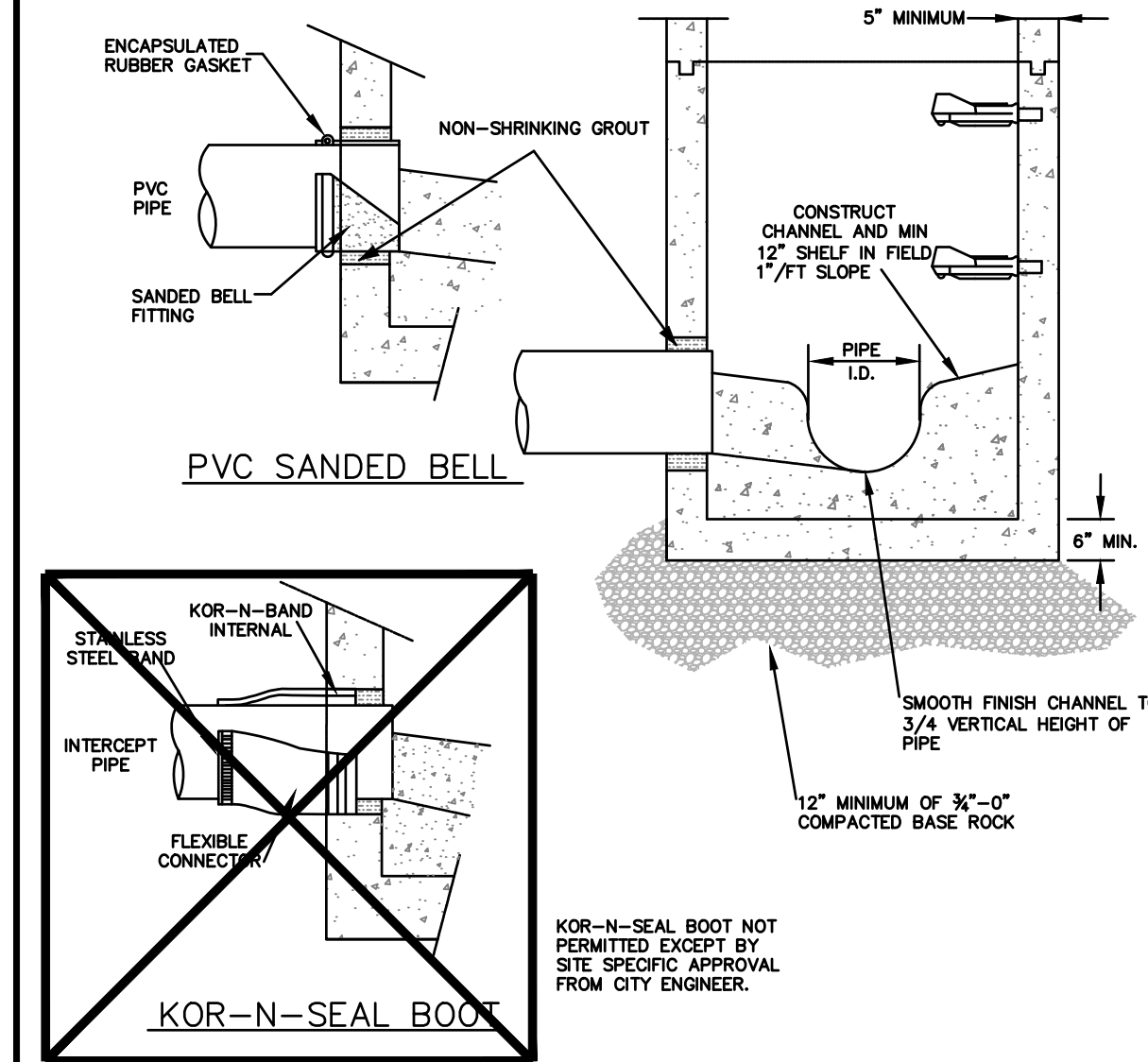
Beaverton **TYPICAL SIGN ASSEMBLY** SCALE: NONE DATE: JUNE 2018 **400**



**NOTES:**

- Concrete encase entire wye section and 45° bend if concrete pipe.
- Cleanout in sidewalk to be centered in sidewalk width.

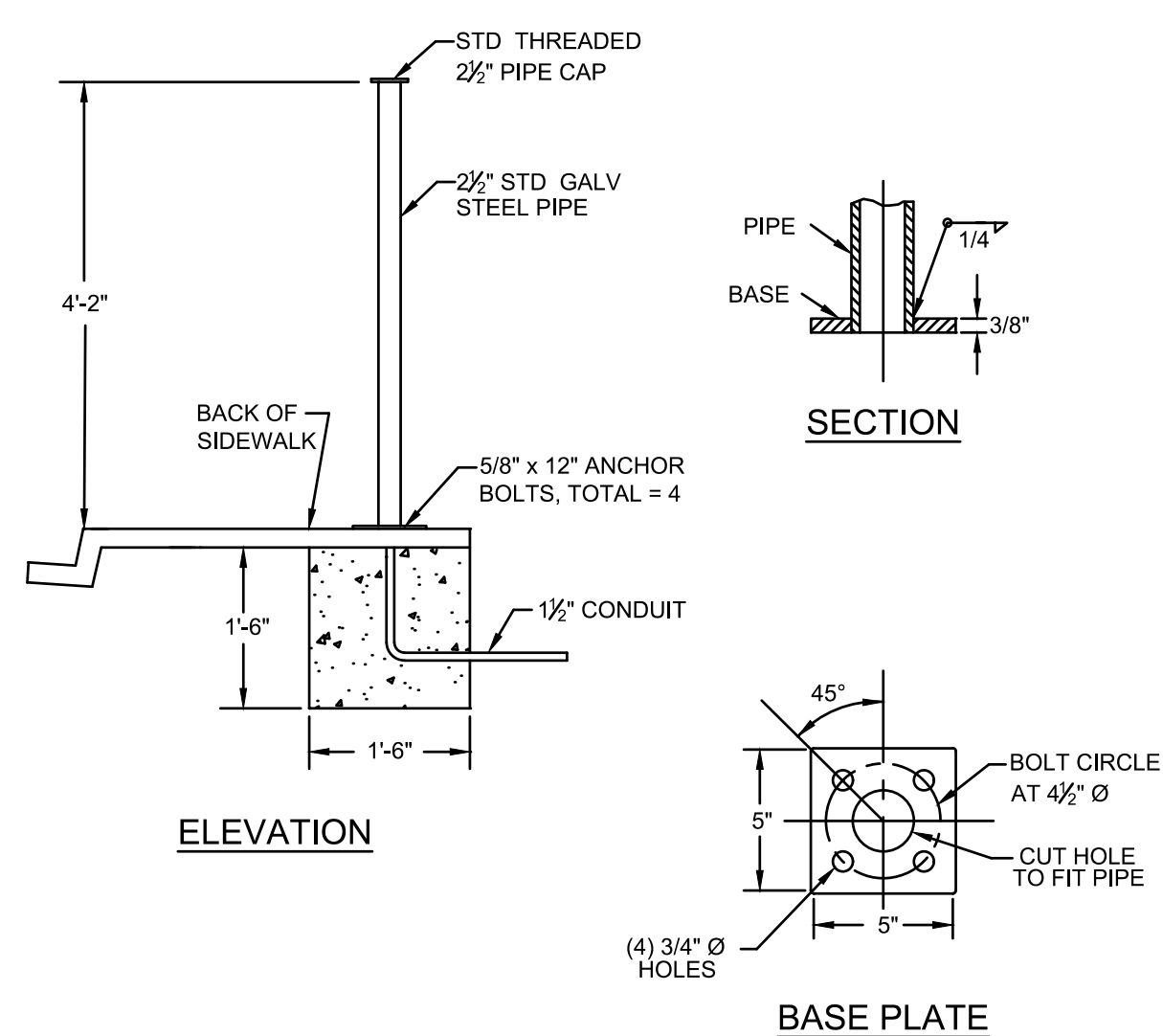
Beaverton **STANDARD CLEANOUT IN EXISTING STREET** SCALE: NONE DATE: JUNE 2018 **340**



**NOTES:**

- All pre-cast manhole sections shall conform to the requirements of ASTM C-478 and Drawing 330.
- Non-flexible pipes shall have a shear joint within 18"-24" of the inside wall of the manhole.

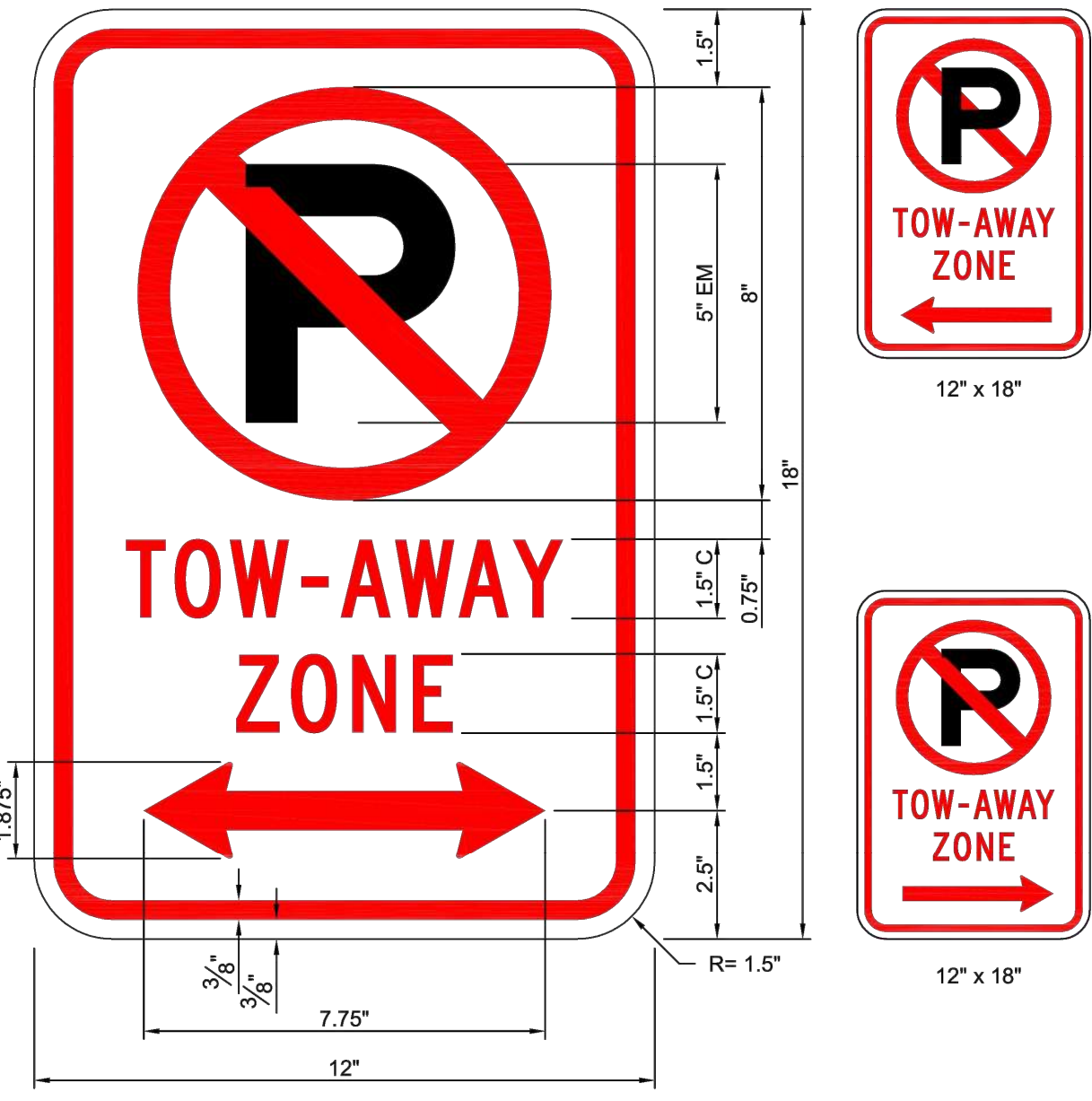
Beaverton **MANHOLE CONNECTIONS** SCALE: NONE DATE: JUNE 2018 **331**



**NOTE:**

Conduit shall protrude a maximum of 2 inches above the finished surface foundation.

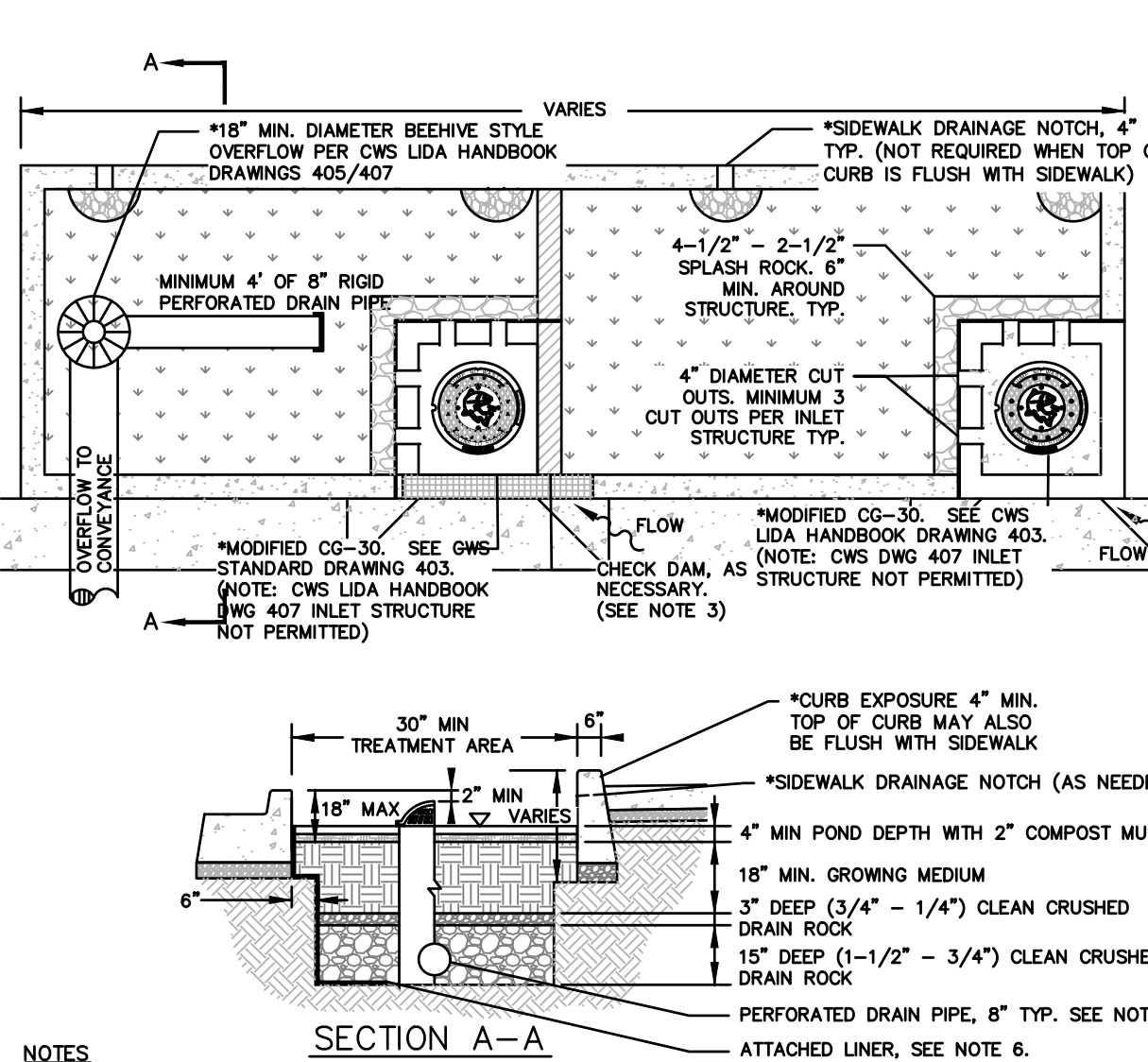
Beaverton **PEDESTRIAN PUSH BUTTON POST** SCALE: NONE DATE: JUNE 2018 **430**



**NOTES:**

- Flat blanks shall be 0.080" gauge with 6063 T6 alodine coated aluminum substrate.
- Background shall be white 3M Scotchlite brand High Intensity Reflective sheeting.
- Symbol shall be black, 5" EM series.
- Legend text shall be 1.5" C series.
- Border, legend, circle & diagonal shall be red.
- For sign mounting, see drawing 400.

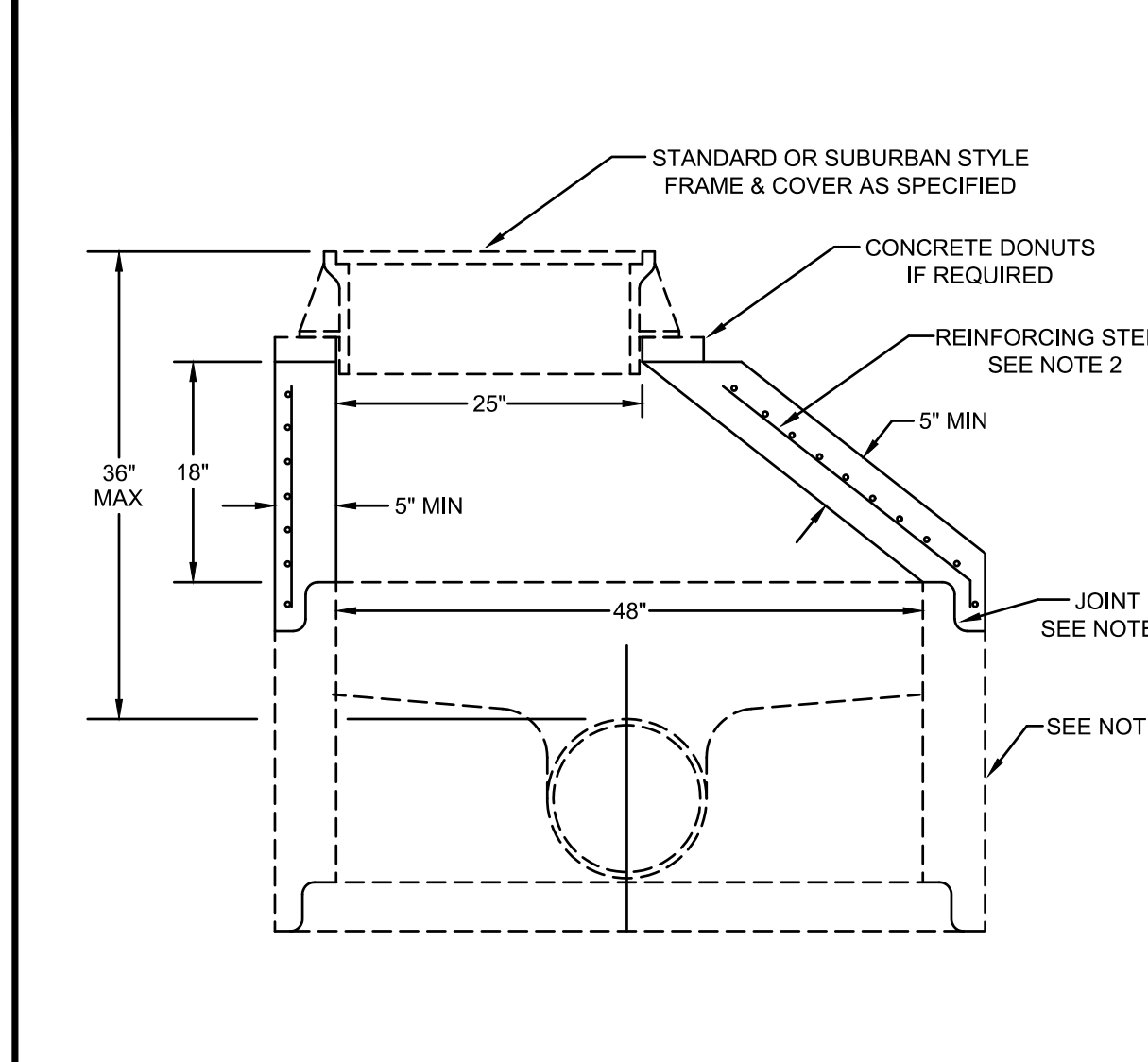
Beaverton **NO PARKING SIGNS** SCALE: NONE DATE: JUNE 2018 **407**



**NOTES:**

- Provide protection from all vehicle traffic, equipment staging, and foot traffic in proposed facility areas prior to, during, and after construction.
- Sidewalk elevation must be set above check dam and inlet/outlet elevations to allow overflow to drain to street or piped overflow system as applicable.
- Planter shall be flat bottom in all directions to within 1 inch. Check dams shall be placed according to individual project plans per CWS LIDA Handbook Drawing 406. Provide 2" min freeboard.
- Street side curb notches to be located as identified on project plans.
- Sidewalk curb notch: 1" lower than sidewalk, sloped to facility. Sidewalk drainage notches shall align with sidewalk contraction joints and low points.
- 'Street side LIDA planter shall be designed to permanently impede the possibility of water flow from the wall to the adjacent roadway subgrade without the use of flexible liners as well as be designed to withstand a dynamic 40 ton wheel load on the adjacent roadway located between 6 to 24 inches from the roadside curb face.
- Perforated pipe in unlined facilities: bottom of pipe shall be set at 2 1/2" above subgrade. Perforated pipe in lined facilities: bottom of pipe shall be set at base of drain rock layer.
- Hydrants, utility poles, or any utility boxes placed within planter must be approved by jurisdiction in writing.
- Actual elevations and dimensions to be constructed as identified on project plans.
- Ensure that a downstream catch basin is in place for emergency overflow.

Beaverton **CWS STREETSIDE LIDA PLANTER (NO STREET PARKING) WITH C.O.B. MODIFICATIONS** SCALE: NONE DATE: JUNE 2018 **370**



**NOTES:**

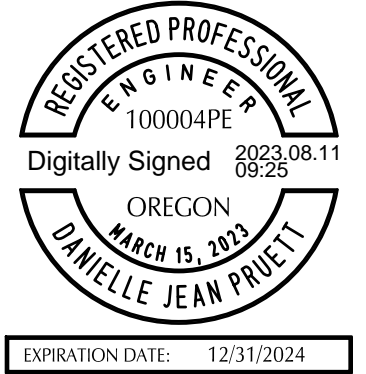
- Manhole cone shall be manufactured by Cascade Concrete Products Inc or approved equal and conform to the requirements of ASTM C-478 and applicable provisions of drawing 330
- Reinforcing steel is grade 60. Steel area is 0.12 square inch per foot, (D3 on 3 inch spacing), 2" clear of the external surface.
- All joints and rubber gaskets shall conform to the requirements of ASTM C-433.
- Concrete shall have a 28 day ultimate strength of 4000 psi.
- Lower section height varies and is to be determined by engineer.

Beaverton **SHALLOW MANHOLE CONE** SCALE: NONE DATE: JUNE 2018 **336**

**BEAVERTON HIGH SCHOOL REBUILD**

13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

**BEAVERTON SCHOOL DISTRICT**  
T 503-356-4500



revisions	

phase LAND USE RESUBMITTAL SET  
date 08/11/2023  
project 21016

DETAILS

**ST3.2**

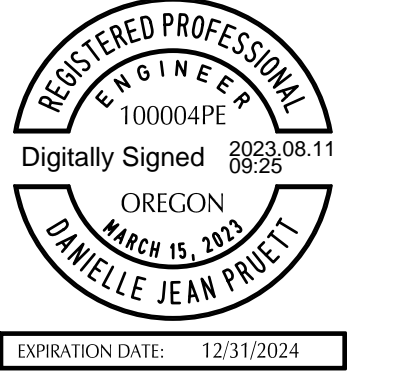


**BEAVERTON HIGH SCHOOL REBUILD**

13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

**BEAVERTON SCHOOL DISTRICT**

T 503-356-4500



**SHEET NOTES**

- ALL WORK IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH THE 2020 CITY OF BEAVERTON STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS (TYP.).
- ALL DIMENSIONS ARE TO FACE OF CURB. FOR SIDEWALK SCORING AND PAVER LAYOUT SEE SHEET ST0.4.
- SLOPES ARE PROVIDED ON SLOPE ARROW FOR REFERENCE ONLY.
- SPOT ELEVATIONS SHOWN IN PARENTHESIS, I.E., (94.49) ARE BASED ON EXISTING CONDITION SURVEY DATA. FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- REMOVE ALL EXISTING SIGNS AND SIGN POSTS (U.N.O.). NOT ALL EXISTING STRIPING IS SHOWN. REMOVE ANY CONFLICTING STRIPING THAT IS OUTSIDE THE LIMITS OF SAWCUT. SEE SIGNING AND STRIPING PLAN ON SHEET ST10.1.
- PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER CITY OF BEAVERTON STANDARD DWG 300.
- STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE. SEE SHEET STX.X FOR TABLES.

**(X) PUBLIC KEY NOTES**

- PROTECT EXISTING CURB
- FIELD VERIFY EXISTING STORM PIPES LOCATION, SIZE, AND IE PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES WITH PLANS TO CONSTRUCTION.
- PROTECT EXISTING UTILITY
- CONNECT TO EXISTING STORM STRUCTURE VERIFY INVERTS
- INSTALL BUS STOP SIGN. COORDINATE WITH TRIMET.
- SAWCUT LINE
- REMOVE CURB AND SIDEWALK
- REMOVE SIDEWALK
- REMOVE PAVEMENT
- CONCRETE PAVEMENT SECTION
- CURB RAMP PER ODOT STANDARD DETAIL RD-XX
- STANDARD SIDEWALK COB STANDARD DWG 215
- STANDARD SIDEWALK TREETWELL COB STANDARD DWG 240
- PIPE TRENCH BACKFILL COB STANDARD DWG 300
- CWS STANDARD MANHOLE WITH COB MODIFICATIONS COB STANDARD DWG 330
- MANHOLE CONNECTIONS COB STANDARD DWG 331

SD CONNECT TO STORM DRAIN/ROOF DRAIN. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AND IE AS NOTED.

**UTILITY LABEL LEGEND**

**STRUCTURE LABEL**

UTILITY TYPE (SD=STORM DRAINAGE)  
STRUCTURE TYPE CALLOUT  
ID NUMBER (WHERE APPLICABLE)

XX XX-XX  
X+XX.X RT X.X' ← LOCATION (WHERE APPLICABLE)  
RIM=  
IE IN = XX.X ← STRUCTURE INFO (WHERE APPLICABLE)  
IE OUT = XX.X

**PIPE LABEL**

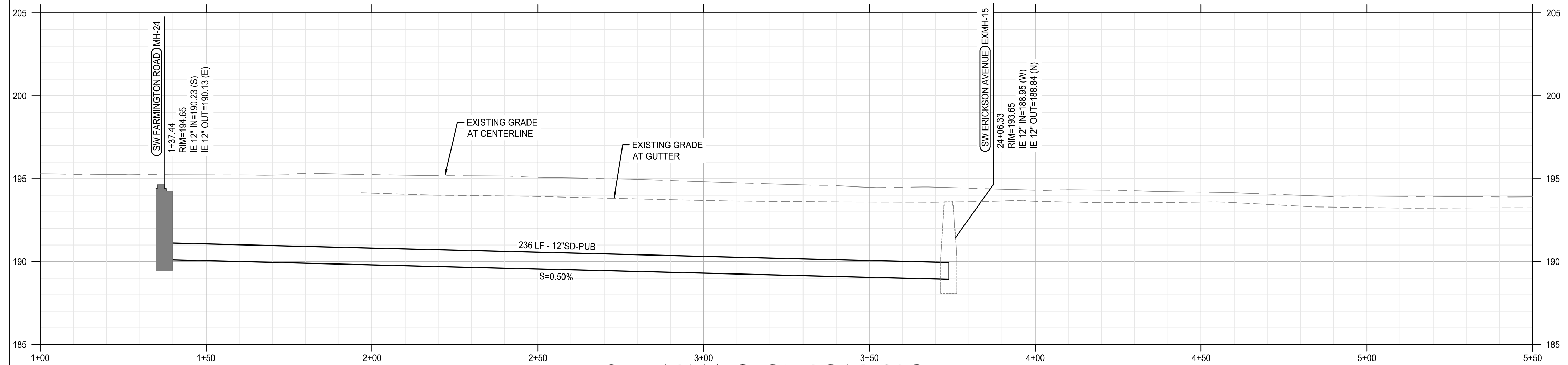
UTILITY LENGTH  
UTILITY SIZE  
UTILITY TYPE

XXLF - XX' XX  
S=X.XX%

← SLOPE (WHERE APPLICABLE)

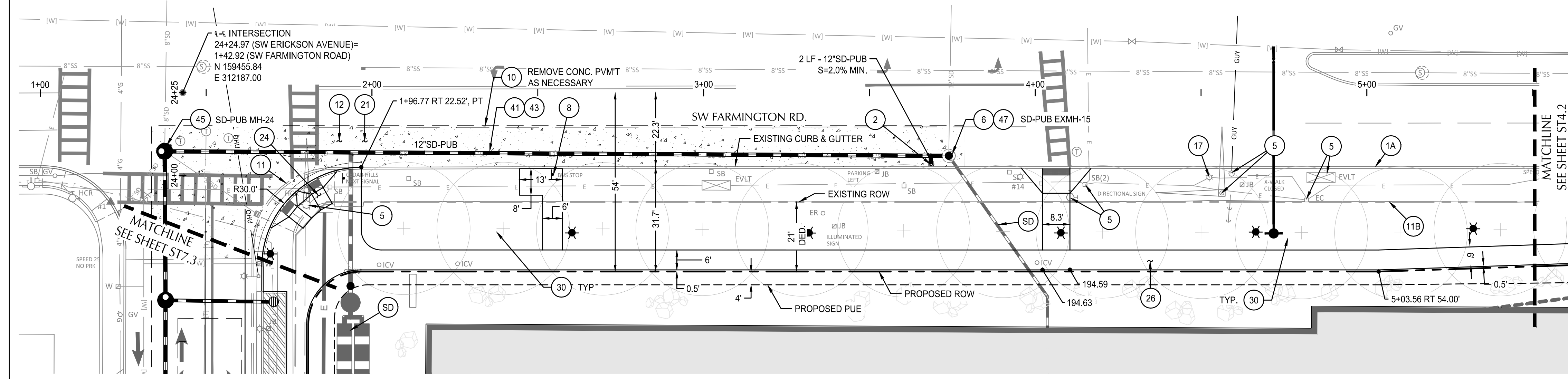
**STRUCTURE TYPE**

CALLOUT	DESCRIPTION	DETAIL REF.
CB	CATCH BASIN	
MH	MANHOLE	
OV	OVERFLOW INLET	

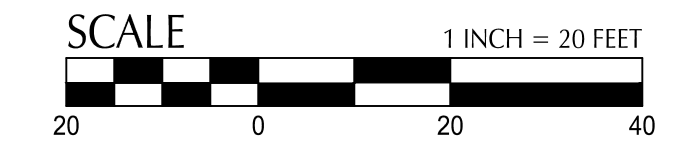
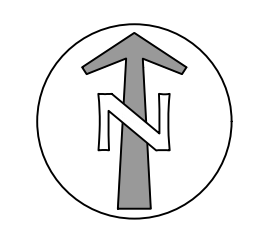


**SW FARMINGTON ROAD PROFILE**

SCALE: HORIZ: 1" = 20'  
VERT: 1" = 4'



File: \\evldk1\evldk1\projects\beav\2021\101178\101178-bad-beaverton-hs\CAD\PLOT\ROW\2100178-ST4.1-P&P-PUB.dwg TAB:ST4.1  
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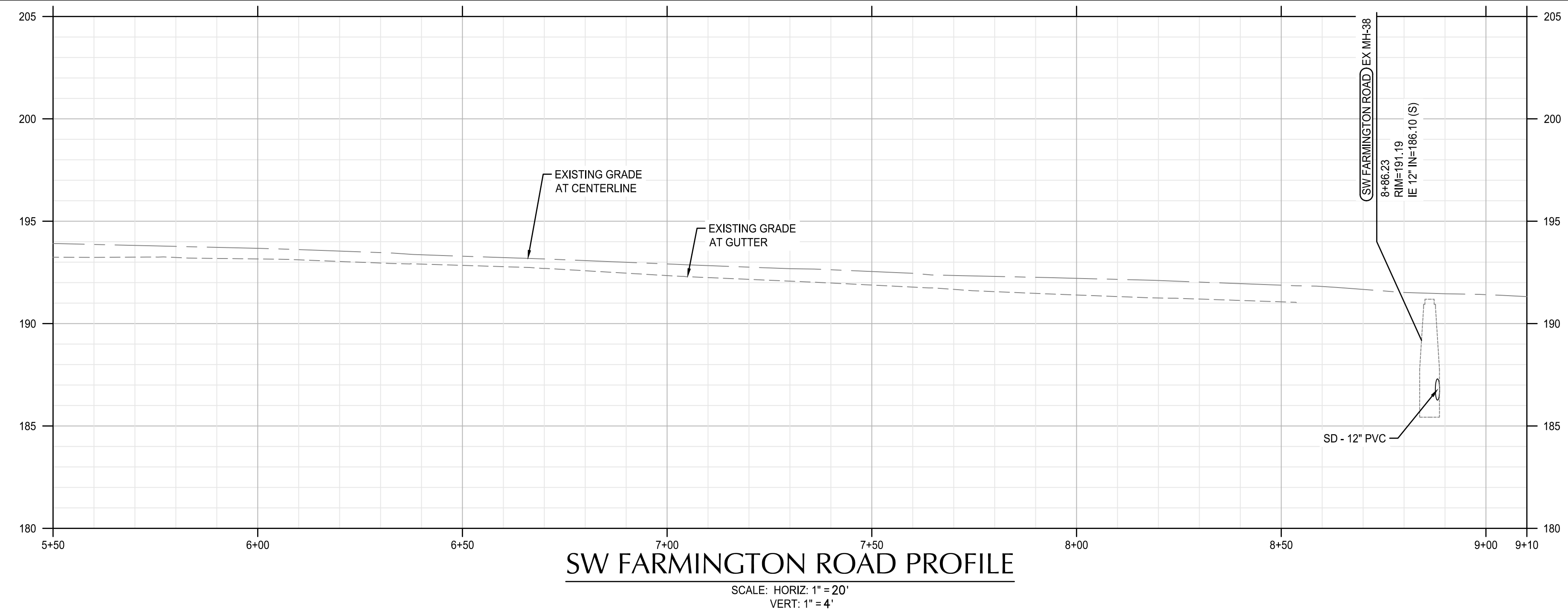


revisions	

phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

SW FARMINGTON RD  
PLAN & PROFILE

**ST4.1**



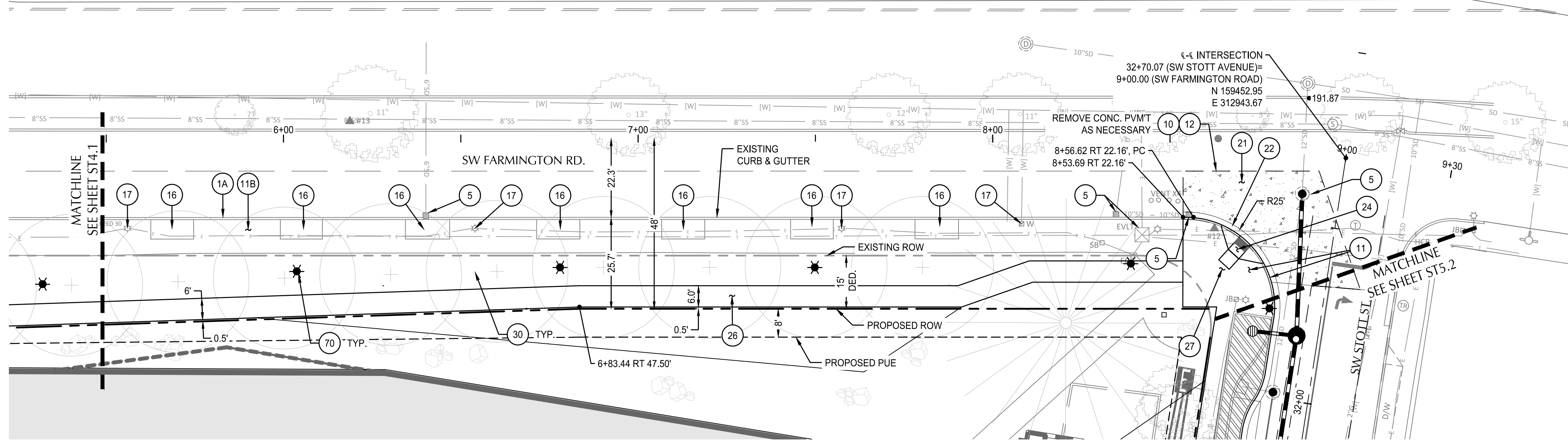
**SW FARMINGTON ROAD PROFILE**  
 SCALE: HORIZ. 1" = 20'  
 VERT. 1" = 4'

**SHEET NOTES**

- ALL WORK IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH THE 2020 CITY OF BEAVERTON STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS (TYP.).
- ALL DIMENSIONS ARE TO FACE OF CURB. FOR SIDEWALK SCORING AND PAVER LAYOUT SEE SHEET ST0.4.
- SLOPES ARE PROVIDED ON SLOPE ARROW FOR REFERENCE ONLY.
- SPOT ELEVATIONS SHOWN IN PARENTHESIS, I.E., (94.49) ARE BASED ON EXISTING CONDITION SURVEY DATA. FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- REMOVE ALL EXISTING SIGNS AND SIGN POSTS (U.N.O.). NOT ALL EXISTING STRIPING IS SHOWN. REMOVE ANY CONFLICTING STRIPING THAT IS OUTSIDE THE LIMITS OF SAWCUT. SEE SIGNING AND STRIPING PLAN ON SHEET ST10.1.
- PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER CITY OF BEAVERTON STANDARD DWG 300.
- STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE. SEE SHEET STX.X FOR TABLES.

**(X) PUBLIC KEY NOTES**

- 1A PROTECT EXISTING CURB
- 5 PROTECT EXISTING UTILITY
- 10 SAWCUT LINE
- 11 REMOVE CURB AND SIDEWALK
- 11b REMOVE SIDEWALK
- 12 REMOVE PAVEMENT
- 16 REMOVE TREE
- 17 REMOVE UTILITY
- 21 CONCRETE PAVEMENT SECTION
- 22 STANDARD MONOLITHIC CURB AND GUTTER COB STANDARD DWG 205
- 24 CURB RAMP PER ODOT STANDARD DETAIL RD-XX
- 26 STANDARD SIDEWALK COB STANDARD DWG 215
- 27 CURBTIGHT SIDEWALK COB STANDARD DWG 216
- 30 STANDARD SIDEWALK TREETWELL COB STANDARD DWG 240
- 70 STREET LIGHT PER DETAIL X/STX.X.



**UTILITY LABEL LEGEND**

**STRUCTURE LABEL**

UTILITY TYPE (SD=STORM DRAINAGE)  
 STRUCTURE TYPE CALLOUT  
 ID NUMBER (WHERE APPLICABLE)

XX-XX-XX  
 X+XX.X RT X.X'  
 RIM=  
 IE IN = XX.X  
 IE OUT = XX.X

LOCATION (WHERE APPLICABLE)  
 STRUCTURE INFO (WHERE APPLICABLE)

**PIPE LABEL**

UTILITY LENGTH  
 UTILITY SIZE  
 UTILITY TYPE

XXLF - XX' XX  
 S=X.XX%

SLOPE (WHERE APPLICABLE)

**STRUCTURE TYPE**

CALLOUT	DESCRIPTION	DETAIL REF.
CB	CATCH BASIN	
MH	MANHOLE	
OV	OVERFLOW INLET	



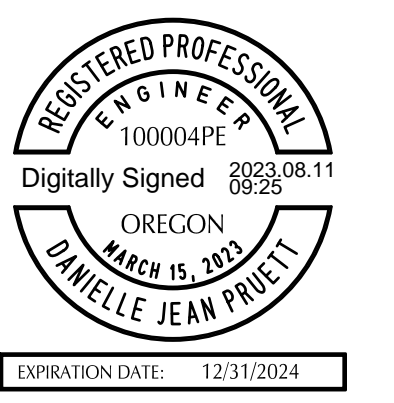
111 SW Fifth Ave., Suite 2600  
 Portland, OR 97204  
 O: 503.542.3869  
 F: 503.274.4681  
[www.kpff.com](http://www.kpff.com)

**BEAVERTON HIGH SCHOOL REBUILD**

13000 SW 2ND STREET  
 BEAVERTON, OREGON 97005

**BEAVERTON SCHOOL DISTRICT**

T 503-356-4500

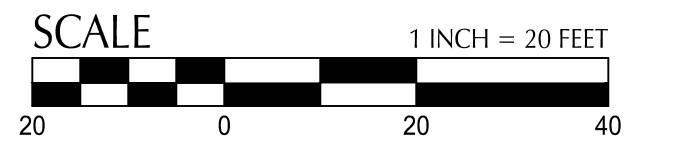
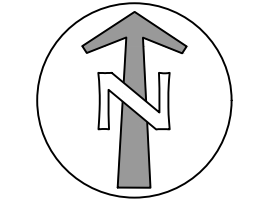


revisions	

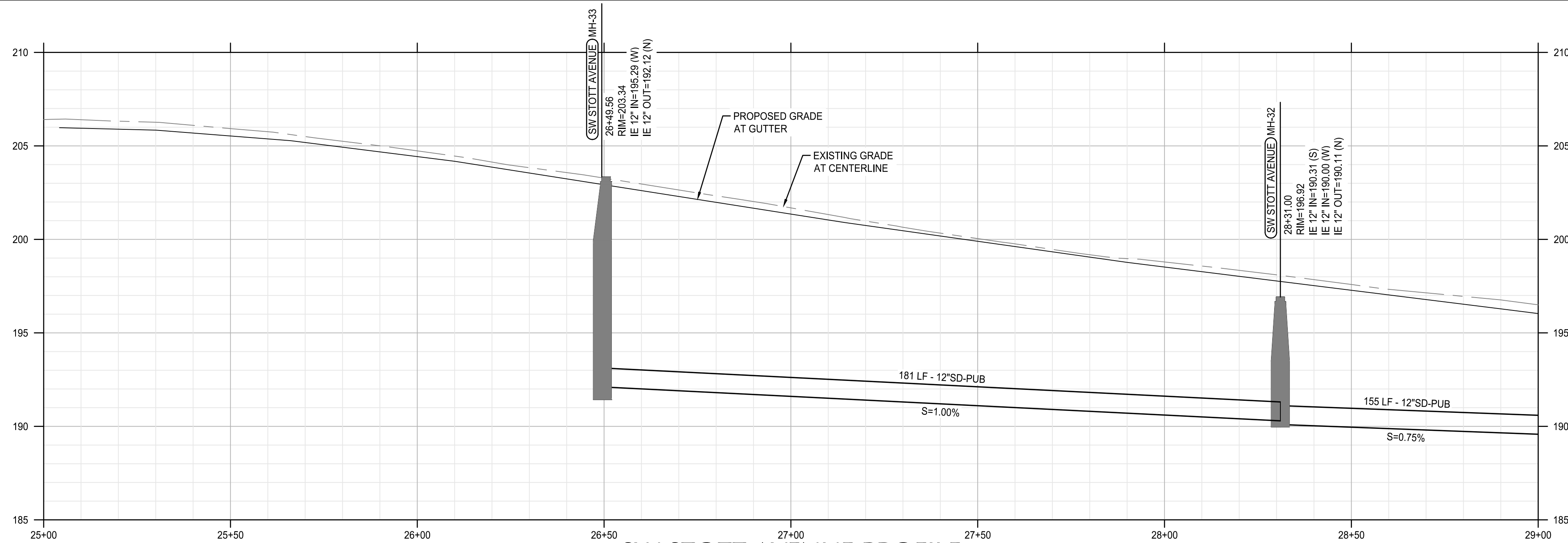
phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

SW FARMINGTON RD  
 PLAN & PROFILE

**ST4.2**



File: \\evl\proj\1\civil\projects\2021\01\10178-bad-beaverton-hs\CAD\PLOT\ROW\2100178-ST4.1-P&P-PUB.dwg TAB:ST4.2  
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**SW STOTT AVENUE PROFILE**

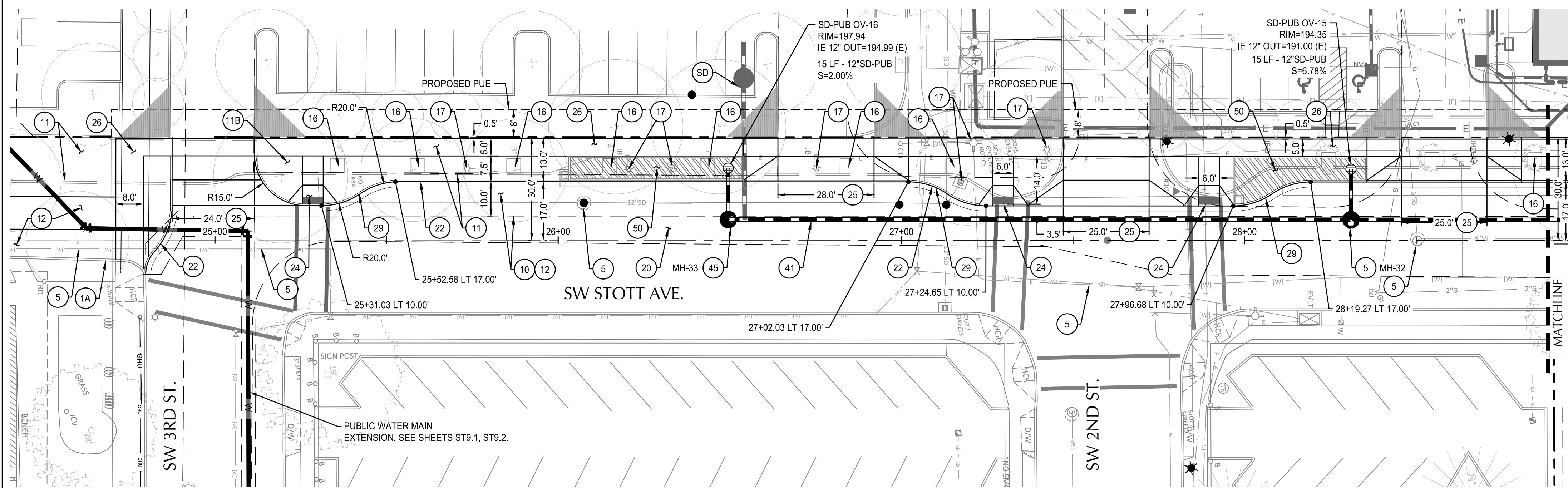
SCALE: HORIZ: 1" = 20'  
VERT: 1" = 4'

**SHEET NOTES**

- ALL WORK IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH THE 2020 CITY OF BEAVERTON STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS (TYP.).
- ALL DIMENSIONS ARE TO FACE OF CURB. FOR SIDEWALK SCORING AND PAVER LAYOUT SEE SHEET ST0.4.
- SLOPES ARE PROVIDED ON SLOPE ARROW FOR REFERENCE ONLY.
- SPOT ELEVATIONS SHOWN IN PARENTHESIS, I.E., (94.49) ARE BASED ON EXISTING CONDITION SURVEY DATA. FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- REMOVE ALL EXISTING SIGNS AND SIGN POSTS (U.N.O.). NOT ALL EXISTING STRIPING IS SHOWN. REMOVE ANY CONFLICTING STRIPING THAT IS OUTSIDE THE LIMITS OF SAWCUT. SEE SIGNING AND STRIPING PLAN ON SHEET ST10.1.
- PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER CITY OF BEAVERTON STANDARD DWG 300.
- STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE. SEE SHEET STX.X FOR TABLES.

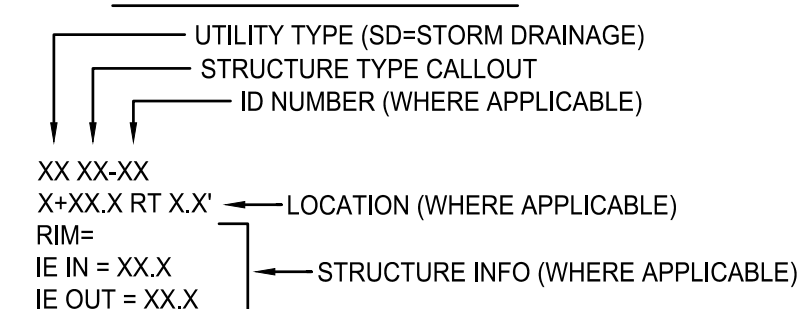
**(X) PUBLIC KEY NOTES**

- 1 PROTECT CURB AND SIDEWALK
- 5 PROTECT EXISTING UTILITY
- 10 SAWCUT LINE
- 11 REMOVE CURB AND SIDEWALK
- 11B REMOVE SIDEWALK
- 12 REMOVE PAVEMENT
- 16 REMOVE TREE
- 17 REMOVE UTILITY
- 20 ASPHALT PAVEMENT SECTION
- 22 STANDARD MONOLITHIC CURB AND GUTTER COB STANDARD DWG 205
- 25 STANDARD COMMERCIAL DRIVEWAY COB STANDARD DWG 210
- 24 CURB RAMP PER ODOT STANDARD DETAIL RD-XX
- 26 STANDARD SIDEWALK COB STANDARD DWG 215
- 29 CURB EXTENSION COB STANDARD DWG 220
- 30 STANDARD SIDEWALK TREEWELL COB STANDARD DWG 240
- 41 PIPE TRENCH BACKFILL COB STANDARD DWG 300
- 45 CWS STANDARD MANHOLE WITH COB MODIFICATIONS COB STANDARD DWG 330
- 50 CWS STREETSIDE LIDA PLANTER (NO STREET PARKING) COB STANDARD DWG 370. AREA AS SHOWN.
- 70 STREET LIGHT PER DETAIL X/STX.X.
- SD CONNECT TO STORM DRAIN/ROOF DRAIN. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AND IE AS NOTED.

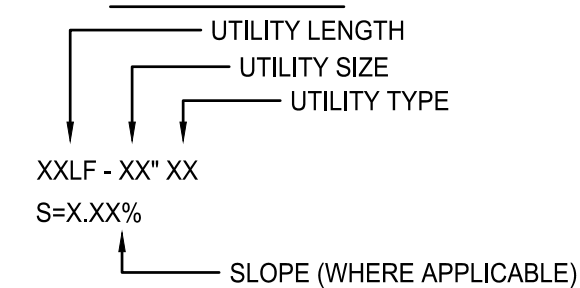


**UTILITY LABEL LEGEND**

**STRUCTURE LABEL**

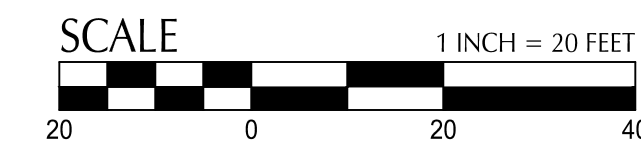
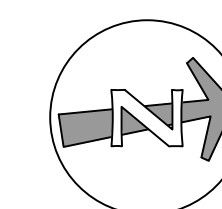


**PIPE LABEL**



**STRUCTURE TYPE**

CALLOUT	DESCRIPTION	DETAIL REF.
CB	CATCH BASIN	
MH	MANHOLE	
OV	OVERFLOW INLET	



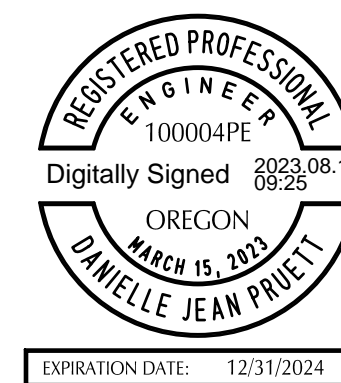
111 SW Fifth Ave., Suite 2600  
Portland, OR 97204  
O: 503.542.3860  
F: 503.274.4681  
www.kpff.com

**BEAVERTON HIGH SCHOOL REBUILD**

13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

**BEAVERTON SCHOOL DISTRICT**

T 503-356-4500

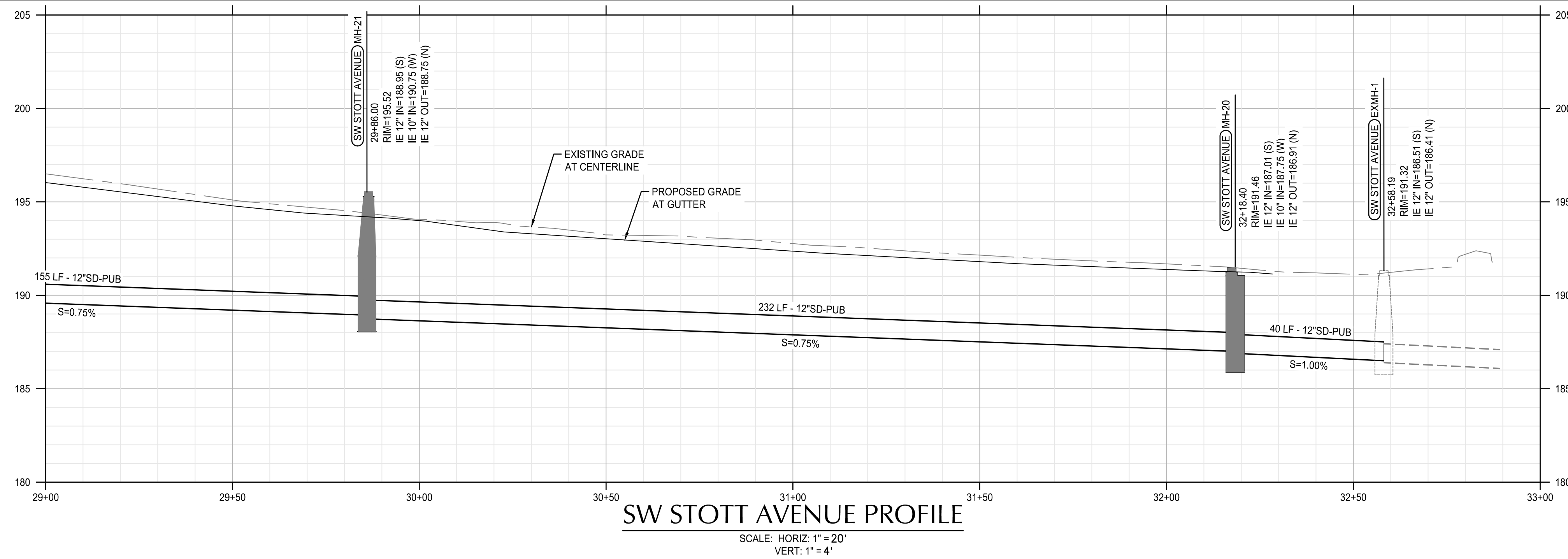


revisions	

phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016
SW STOTT AVE PLAN & PROFILE	

**ST5.1**

File: N:\c\2023\12\100178-BSD-Beaverton-HS-CAD\PILOT\ROW\2100178-ST5.1-P&P-PUB.dwg TAB ST5.2  
 Plotted: 8/10/23 at 1:24pm By: TLeggate



**SW STOTT AVENUE PROFILE**

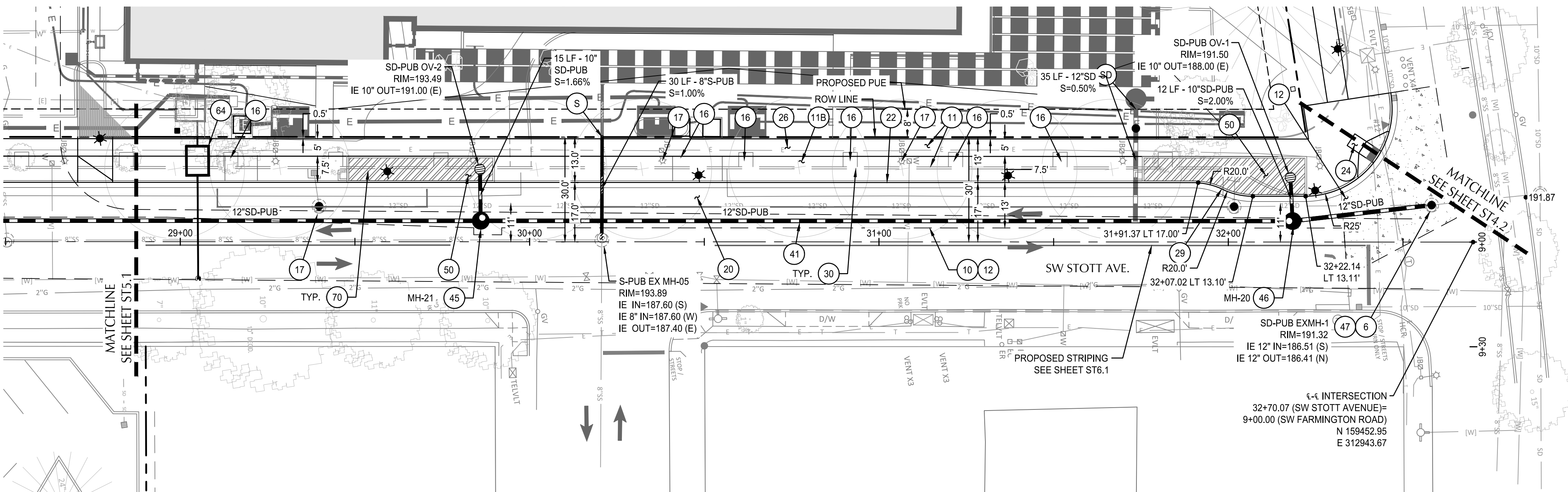
SCALE: HORIZ: 1" = 20'  
 VERT: 1" = 4'

**SHEET NOTES**

1. ALL WORK IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH THE 2020 CITY OF BEAVERTON STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS (TYP.).
2. ALL DIMENSIONS ARE TO FACE OF CURB. FOR SIDEWALK SCORING AND PAVER LAYOUT SEE SHEET ST0.4.
3. SLOPES ARE PROVIDED ON SLOPE ARROW FOR REFERENCE ONLY.
4. SPOT ELEVATIONS SHOWN IN PARENTHESIS, I.E., (94.49) ARE BASED ON EXISTING CONDITION SURVEY DATA. FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
5. REMOVE ALL EXISTING SIGNS AND SIGN POSTS (U.N.O.). NOT ALL EXISTING STRIPING IS SHOWN. REMOVE ANY CONFLICTING STRIPING THAT IS OUTSIDE THE LIMITS OF SAWCUT. SEE SIGNING AND STRIPING PLAN ON SHEET ST10.1.
6. PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER CITY OF BEAVERTON STANDARD DWG 300.
7. STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE. SEE SHEET STX.X FOR TABLES.

**(X) PUBLIC KEY NOTES**

- 2 FIELD VERIFY EXISTING STORM PIPES LOCATION, SIZE, AND IE PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES WITH PLANS TO CONSTRUCTION.
- 5 PROTECT EXISTING UTILITY
- 6 CONNECT TO EXISTING STORM STRUCTURE VERIFY INVERTS
- 10 SAWCUT LINE
- 11 REMOVE CURB AND SIDEWALK
- 11B REMOVE SIDEWALK
- 12 REMOVE PAVEMENT
- 20 ASPHALT PAVEMENT SECTION
- 22 STANDARD MONOLITHIC CURB AND GUTTER COB STANDARD DWG 205
- 24 CURB RAMP PER ODOT STANDARD DETAIL RD-XX
- 26 STANDARD SIDEWALK COB STANDARD DWG 215
- 29 CURB EXTENSION COB STANDARD DWG 220
- 41 PIPE TRENCH BACKFILL COB STANDARD DWG 300
- 45 CWS STANDARD MANHOLE WITH COB MODIFICATIONS COB STANDARD DWG 330
- 46 CWS FLAT TOP MANHOLE WITH COB MODIFICATIONS COB STANDARD DWG 335
- 47 MANHOLE CONNECTIONS COB STANDARD DWG 331
- 50 CWS STREETSIDE LIDA PLANTER (NO STREET PARKING) COB STANDARD DWG 370. AREA AS SHOWN.
- 64 INSTALL 4" SERVICE CONNECTION TO EXISTING WATER MAIN PER COB STANDARD DWG 600-3. FIELD VERIFY LOCATION AND ELEVATION OF EXISTING MAIN.
- 70 STREET LIGHT PER DETAIL X/STX.X.
- S CONNECT TO WASTE LINE. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AS NOTED.
- SD CONNECT TO STORM DRAIN/ROOF DRAIN. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AND IE AS NOTED.



**UTILITY LABEL LEGEND**

**STRUCTURE LABEL**

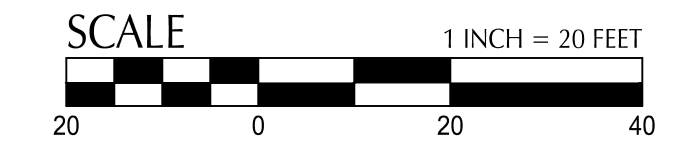
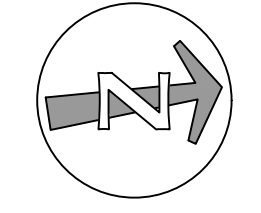
- UTILITY TYPE (SD=STORM DRAINAGE)
- STRUCTURE TYPE CALLOUT
- ID NUMBER (WHERE APPLICABLE)
- XX XX-XX
- X-XX.X RT X.X' ← LOCATION (WHERE APPLICABLE)
- RIM=
- IE IN = XX.X
- IE OUT = XX.X

**PIPE LABEL**

- UTILITY LENGTH
- UTILITY SIZE
- UTILITY TYPE
- XXLF - XX" XX
- S=X.XX%
- SLOPE (WHERE APPLICABLE)

**STRUCTURE TYPE**

CALLOUT	DESCRIPTION	DETAIL REF.
CB	CATCH BASIN	
MH	MANHOLE	
OV	OVERFLOW INLET	



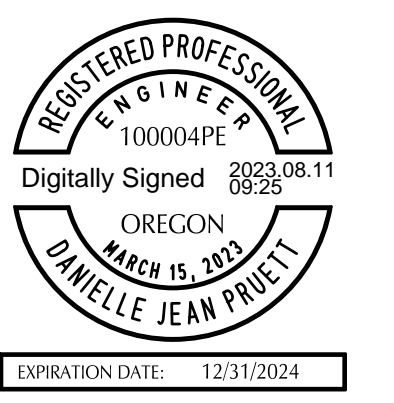
111 SW Fifth Ave., Suite 2600  
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 P: 503.542.3868  
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[www.kpff.com](http://www.kpff.com)

**BEAVERTON HIGH SCHOOL REBUILD**

13000 SW 2ND STREET  
 BEAVERTON, OREGON 97005

**BEAVERTON SCHOOL DISTRICT**

T 503-356-4500

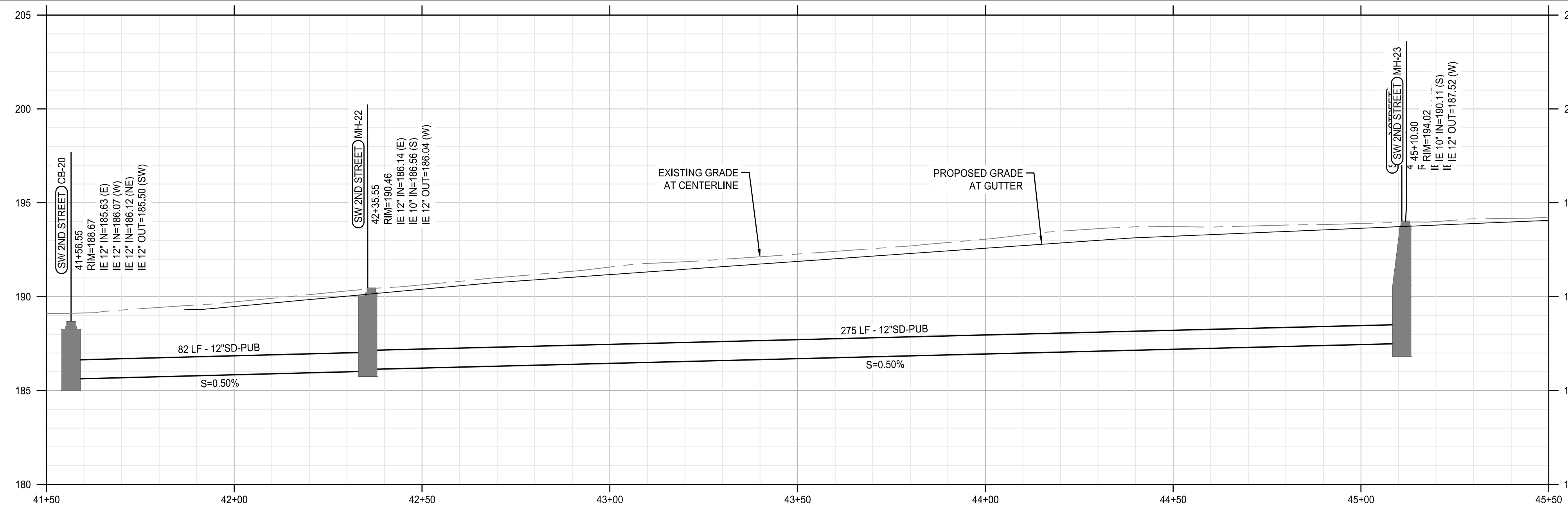


revisions	

phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

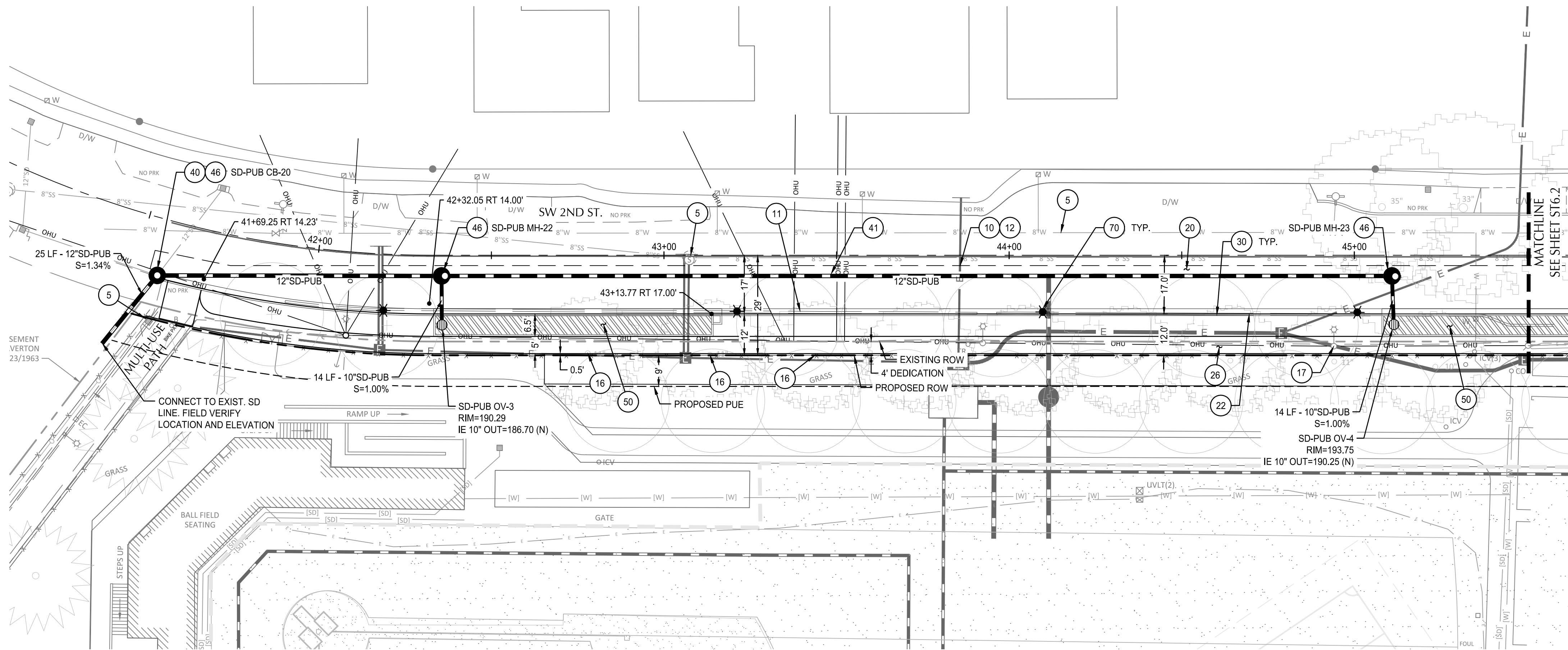
SW STOTT AVE PLAN & PROFILE

**ST5.2**



**SW 2ND STREET PROFILE**

SCALE: HORIZ: 1" = 20'  
VERT: 1" = 4'



**SHEET NOTES**

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- SPOT ELEVATIONS SHOWN IN PARENTHESIS, I.E., (94.49) ARE BASED ON EXISTING CONDITION SURVEY DATA. FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- REMOVE ALL EXISTING SIGNS AND SIGN POSTS (U.N.O.). NOT ALL EXISTING STRIPING IS SHOWN. REMOVE ANY CONFLICTING STRIPING THAT IS OUTSIDE THE LIMITS OF SAWCUT. SEE SIGNING AND STRIPING PLAN ON SHEET ST10.1.
- PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER CITY OF BEAVERTON STANDARD DWG 300.
- STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE. SEE SHEET STX.X FOR TABLES.

**(X) PUBLIC KEY NOTES**

- PROTECT EXISTING UTILITY
- SAWCUT LINE
- REMOVE CURB AND SIDEWALK
- REMOVE PAVEMENT
- ASPHALT PAVEMENT SECTION
- STANDARD MONOLITHIC CURB AND GUTTER COB STANDARD DWG 205
- STANDARD SIDEWALK COB STANDARD DWG 215
- STANDARD SIDEWALK TREETWELL COB STANDARD DWG 240
- MANHOLE AND INLET CONCRETE BOXOUTS COB STANDARD DWG 220-2
- PIPE TRENCH BACKFILL COB STANDARD DWG 300
- CWS FLAT TOP MANHOLE WITH COB MODIFICATIONS COB STANDARD DWG 335
- CWS STREETSIDE LIDA PLANTER (NO STREET PARKING) COB STANDARD DWG 370. AREA AS SHOWN.
- STREET LIGHT PER DETAIL X/STX.X.

- STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE. SEE SHEET STX.X FOR TABLES.

**UTILITY LABEL LEGEND**

**STRUCTURE LABEL**

UTILITY TYPE (SD=STORM DRAINAGE)  
STRUCTURE TYPE CALLOUT  
ID NUMBER (WHERE APPLICABLE)

XX XX-XX  
X+XX.X RT XX' ← LOCATION (WHERE APPLICABLE)  
RIM= ← STRUCTURE INFO (WHERE APPLICABLE)  
IE IN = XX.X  
IE OUT = XX.X

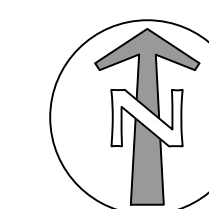
**PIPE LABEL**

UTILITY LENGTH  
UTILITY SIZE  
UTILITY TYPE

XXLF - XX" XX  
S=X.XX% ← SLOPE (WHERE APPLICABLE)

**STRUCTURE TYPE**

CALLOUT	DESCRIPTION	DETAIL REF.
CB	CATCH BASIN	
MH	MANHOLE	
OV	OVERFLOW INLET	

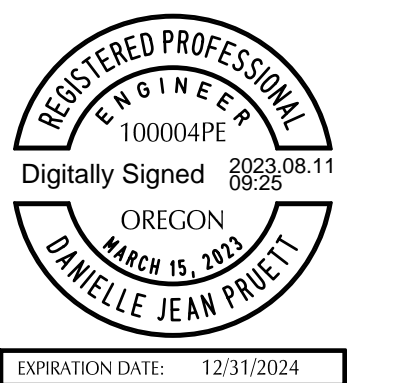


**BEAVERTON HIGH SCHOOL REBUILD**

13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

**BEAVERTON SCHOOL DISTRICT**

T 503-356-4500



revisions	

phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016
	SW 2ND ST PLAN & PROFILE

**ST6.1**

**BEAVERTON HIGH SCHOOL REBUILD**

13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

**BEAVERTON SCHOOL DISTRICT**

T 503-356-4500



**SHEET NOTES**

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- STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE. SEE SHEET STX.X FOR TABLES.

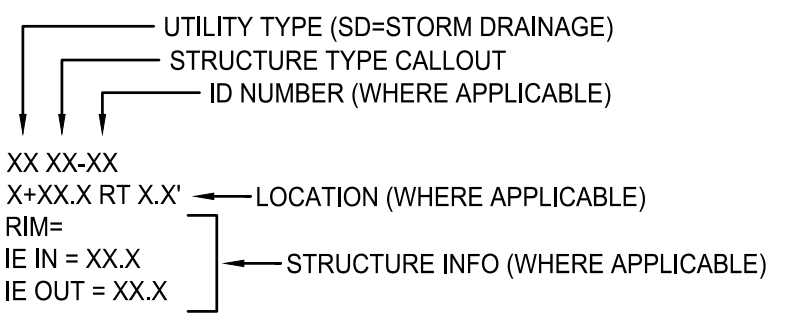
**(X) PUBLIC KEY NOTES**

- PROTECT EXISTING UTILITY
- CONNECT TO EXISTING STORM STRUCTURE VERIFY INVERTS
- POST CONSTRUCTION CENTERLINE MONUMENT PER COB STANDARD DWG 138
- SAWCUT LINE
- REMOVE CURB AND SIDEWALK
- REMOVE PAVEMENT
- REMOVE CONCRETE DRIVEWAY
- REMOVE UTILITY
- ASPHALT PAVEMENT SECTION
- STANDARD MONOLITHIC CURB AND GUTTER COB STANDARD DWG 205
- CURB RAMP PER ODOT STANDARD DETAIL RD-XX
- STANDARD SIDEWALK COB STANDARD DWG 215
- STANDARD TO CURB TIGHT SIDEWALK TRANSITION COB STANDARD DWG 217
- CURB EXTENSION PER COB STANDARD DWG 220
- STANDARD SIDEWALK TREEWELL COB STANDARD DWG 240
- PIPE TRENCH BACKFILL COB STANDARD DWG 300
- CWS STANDARD MANHOLE WITH COB MODIFICATIONS COB STANDARD DWG 330
- MANHOLE CONNECTIONS COB STANDARD DWG 331
- CWS STREETSIDE LIDA PLANTER (NO STREET PARKING) COB STANDARD DWG 370. AREA AS SHOWN.
- STREET LIGHT PER DETAIL X/STX.X.

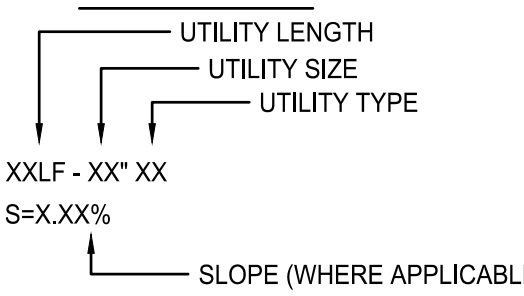
**7. STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE. SEE SHEET STX.X FOR TABLES.**

**UTILITY LABEL LEGEND**

**STRUCTURE LABEL**

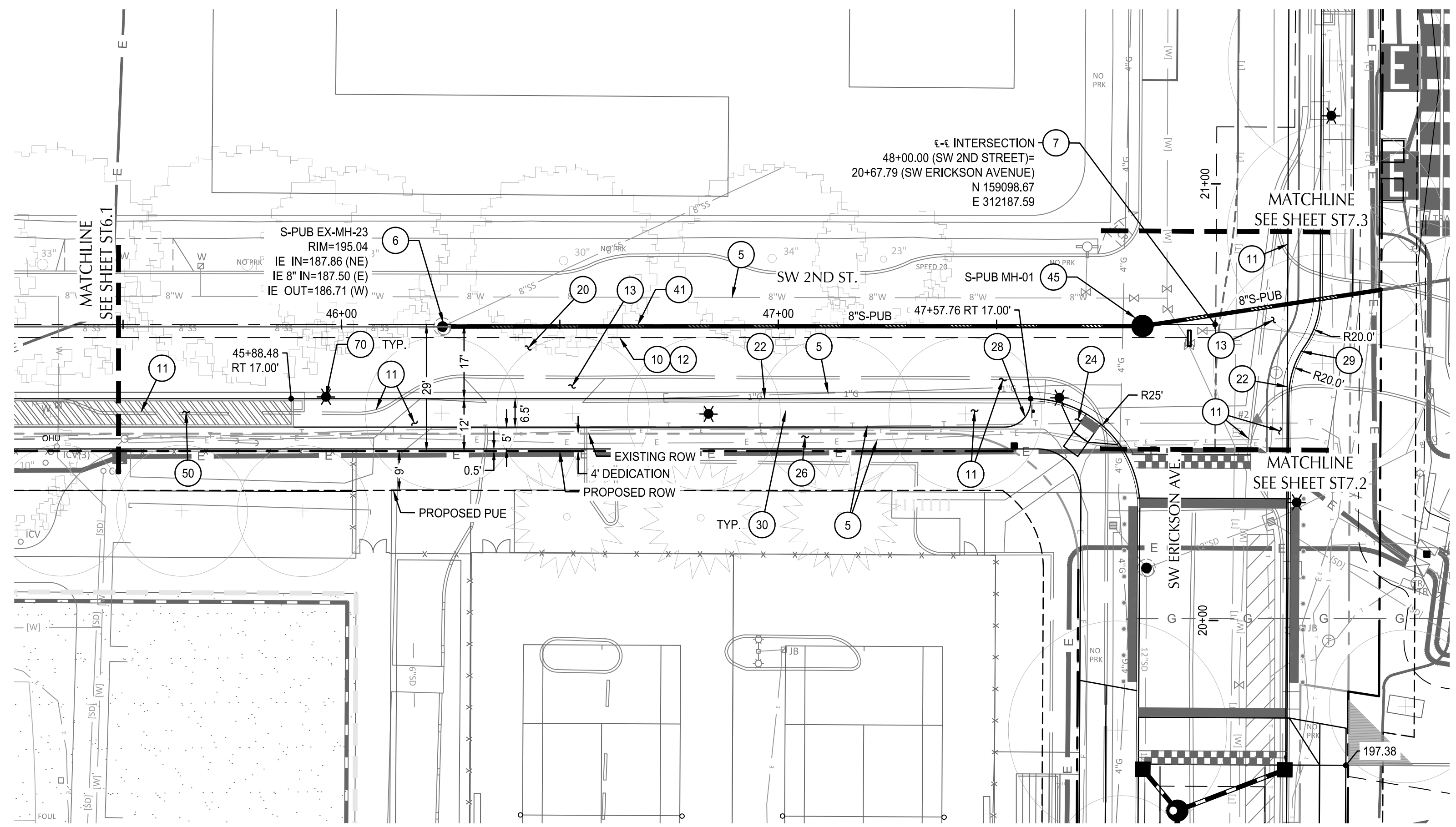
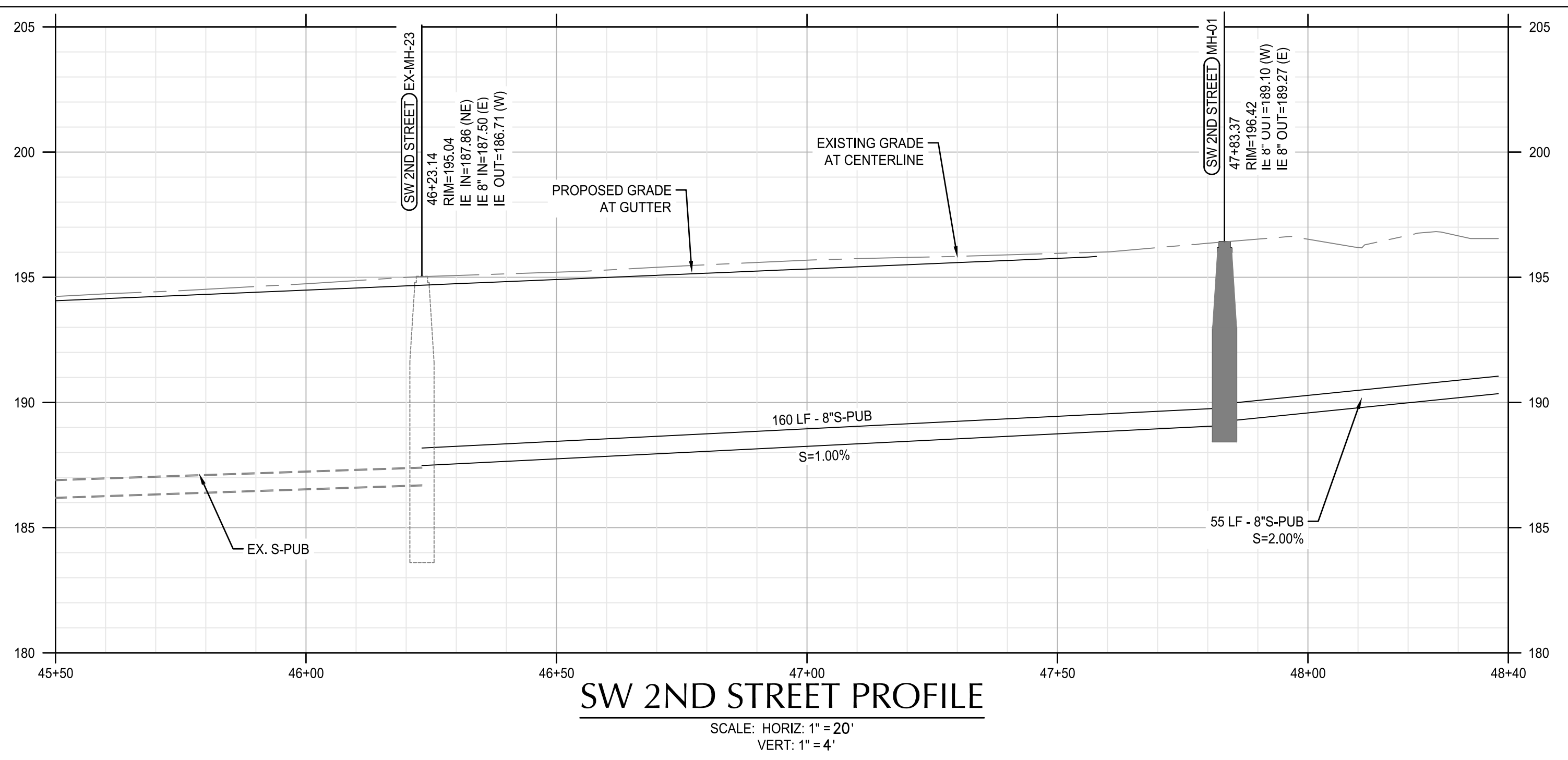
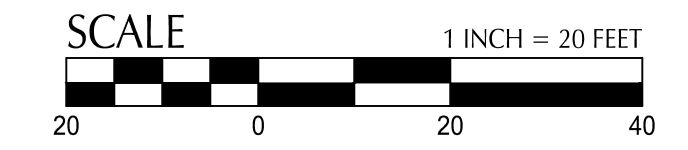
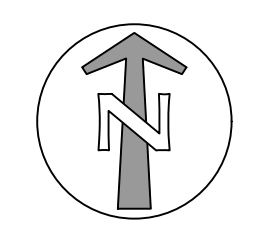


**PIPE LABEL**



**STRUCTURE TYPE**

CALLOUT	DESCRIPTION	DETAIL REF.
CB	CATCH BASIN	
MH	MANHOLE	
OV	OVERFLOW INLET	



File: \\svl\proj\1\civil\projects\bea\2021\01\178-bad-beaverton-hs\CAD\PILOT\ROW\2100178-ST.1-P&P-PUB.dwg TAB:ST6.2  
 Plotted: 8/9/23 at 4:17pm By: dneadecker

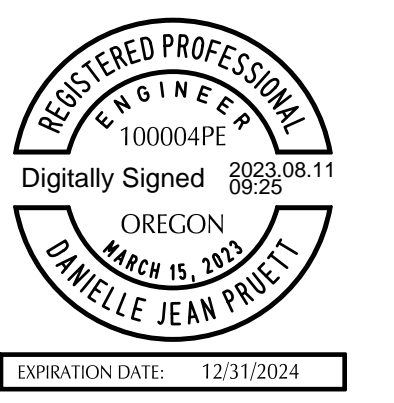
revisions	

phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016
	SW 2ND ST PLAN & PROFILE
	<b>ST6.2</b>

**BEAVERTON HIGH SCHOOL REBUILD**

13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT  
T 503-356-4500

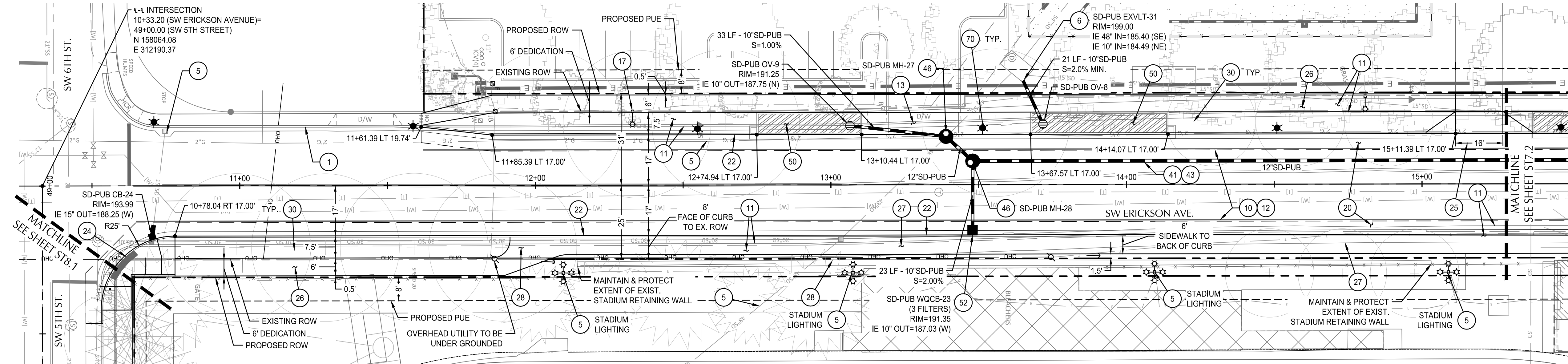
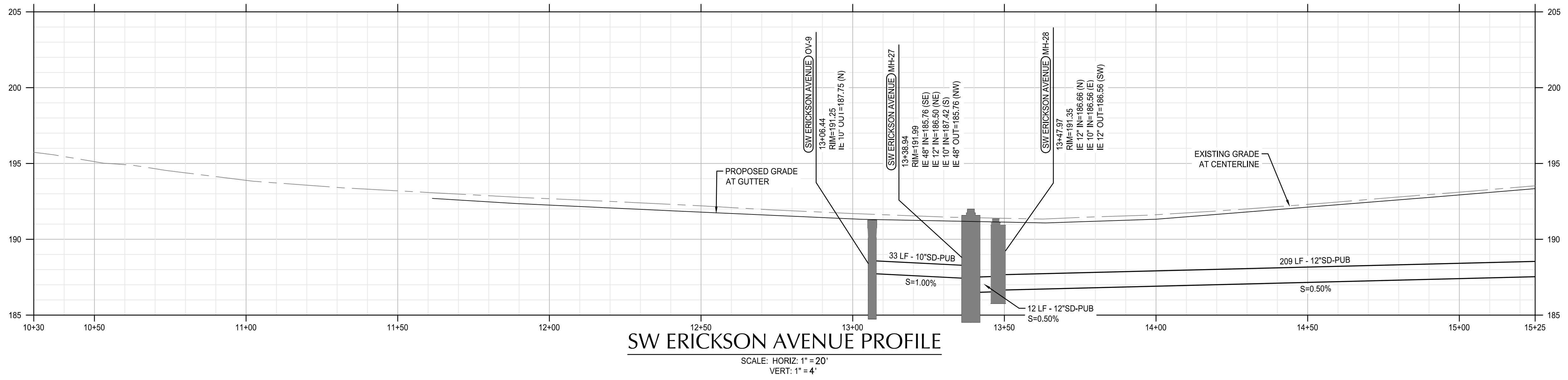


revisions	

phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

SW ERICKSON AVE  
PLAN & PROFILE

**ST7.1**



**UTILITY LABEL LEGEND**

**STRUCTURE LABEL**

UTILITY TYPE (SD=STORM DRAINAGE)  
STRUCTURE TYPE CALLOUT  
ID NUMBER (WHERE APPLICABLE)

XX XX-XX  
X+XX.X RT X.X' → LOCATION (WHERE APPLICABLE)  
RIM= →  
IE IN = XX.X → STRUCTURE INFO (WHERE APPLICABLE)  
IE OUT = XX.X

**PIPE LABEL**

UTILITY LENGTH  
UTILITY SIZE  
UTILITY TYPE

XXLF - XX' XX  
S=X.XX% → SLOPE (WHERE APPLICABLE)

**STRUCTURE TYPE**

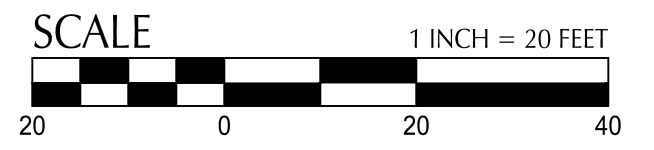
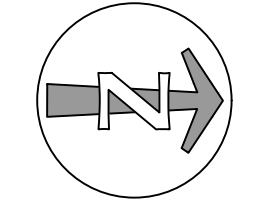
CALLOUT	DESCRIPTION	DETAIL REF.
CB	CATCH BASIN	
MH	MANHOLE	
OV	OVERFLOW INLET	

**(X) PUBLIC KEY NOTES**

- 1 PROTECT CURB AND SIDEWALK
- 2 FIELD VERIFY EXISTING STORM PIPES LOCATION, SIZE, AND IE PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES WITH PLANS TO CONSTRUCTION.
- 5 PROTECT EXISTING UTILITY
- 6 CONNECT TO EXISTING STORM STRUCTURE VERIFY INVERTS
- 10 SAWCUT LINE
- 11 REMOVE CURB AND SIDEWALK
- 12 REMOVE PAVEMENT
- 13 REMOVE CONCRETE DRIVEWAY
- 16 REMOVE TREE
- 17 REMOVE UTILITY
- 20 ASPHALT PAVEMENT SECTION
- 22 STANDARD MONOLITHIC CURB AND GUTTER COB STANDARD DWG 205
- 24 CURB RAMP PER ODOT STANDARD DETAIL RD-XX
- 25 STANDARD COMMERCIAL DRIVEWAY COB STANDARD DWG 210
- 26 STANDARD SIDEWALK COB STANDARD DWG 215
- 27 CURBTIGHT SIDEWALK COB STANDARD DWG 216
- 28 STANDARD TO CURB TIGHT SIDEWALK TRANSITION COB STANDARD DWG 217
- 30 STANDARD SIDEWALK TREETWELL COB STANDARD DWG 240
- 41 PIPE TRENCH BACKFILL COB STANDARD DWG 300
- 43 PAVEMENT CUT RESTORATION COB STANDARD DWG 302
- 45 CWS STANDARD MANHOLE WITH COB MODIFICATIONS COB STANDARD DWG 330
- 46 CWS FLAT TOP MANHOLE WITH COB MODIFICATIONS COB STANDARD DWG 335
- 48 SHALLOW MANHOLE CONE COB STANDARD DWG 336
- 49 INSTALL G-2 INLET PER ODOT STANDARD DRAWING RD-364
- 50 CWS STREETSIDE LIDA PLANTER (NO STREET PARKING) COB STANDARD DWG 370. AREA AS SHOWN.
- 52 INSTALL WATER QUALITY CATCH BASIN. NUMBER OF FILTERS AS NOTED.
- 70 STREET LIGHT PER DETAIL X/STX.X.

**SHEET NOTES**

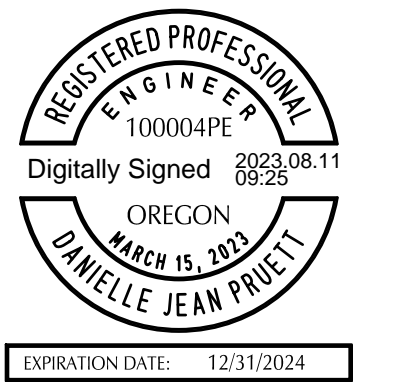
1. ALL WORK IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH THE 2020 CITY OF BEAVERTON STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS (TYP.).
2. ALL DIMENSIONS ARE TO FACE OF CURB. FOR SIDEWALK SCORING AND PAVER LAYOUT SEE SHEET ST0.4.
3. SLOPES ARE PROVIDED ON SLOPE ARROW FOR REFERENCE ONLY.
4. SPOT ELEVATIONS SHOWN IN PARENTHESIS, I.E., (94.49) ARE BASED ON EXISTING CONDITION SURVEY DATA. FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
5. REMOVE ALL EXISTING SIGNS AND SIGN POSTS (U.N.O.). NOT ALL EXISTING STRIPING IS SHOWN. REMOVE ANY CONFLICTING STRIPING THAT IS OUTSIDE THE LIMITS OF SAWCUT. SEE SIGNING AND STRIPING PLAN ON SHEET ST10.1.
6. PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER CITY OF BEAVERTON STANDARD DWG 300.
7. STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE. SEE SHEET STX.X FOR TABLES.



BEAVERTON HIGH SCHOOL REBUILD

13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT  
T 503-356-4500

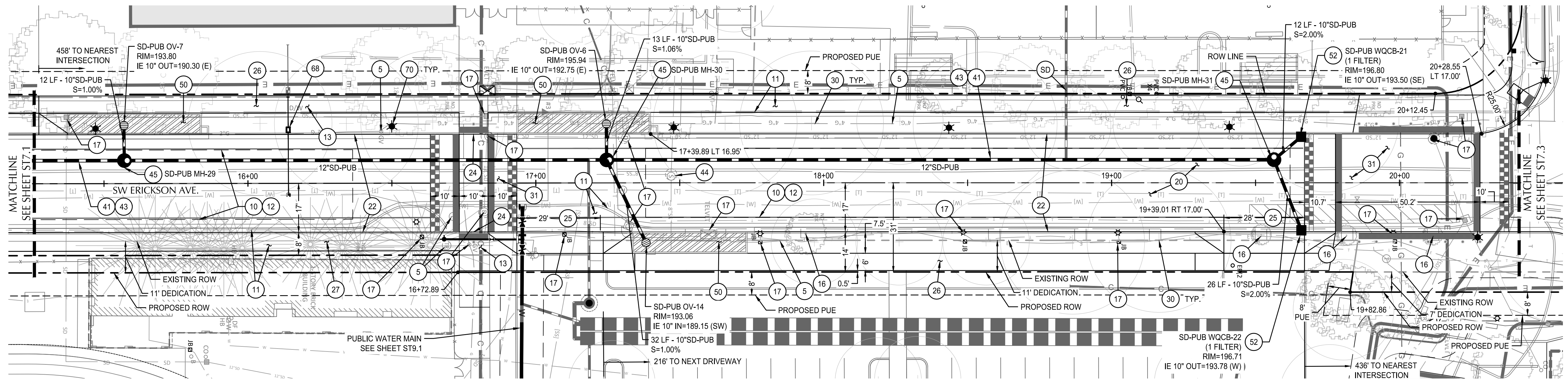
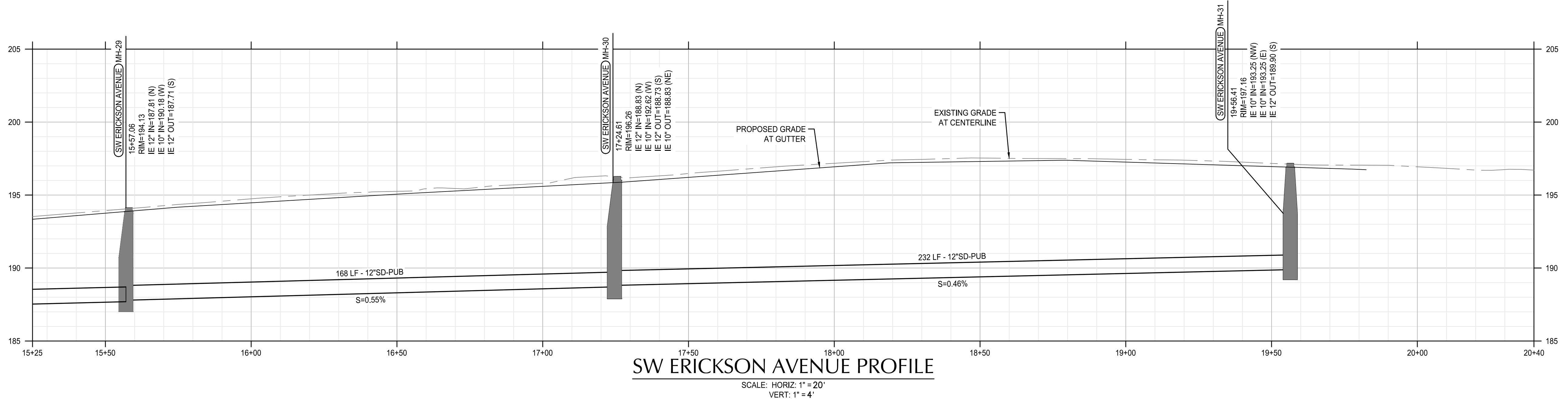


revisions	

phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

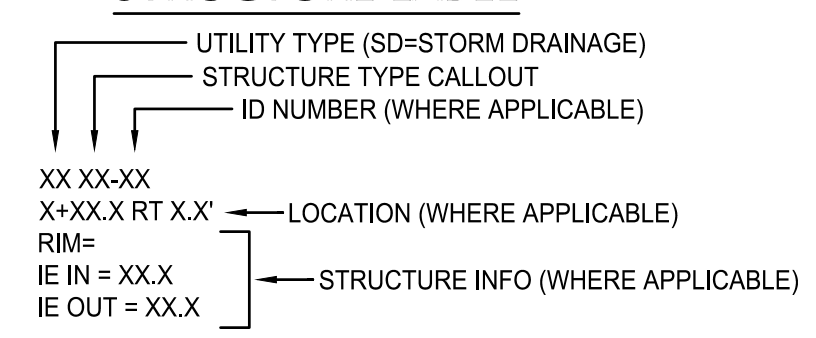
SW ERICKSON AVE  
PLAN & PROFILE

ST7.2

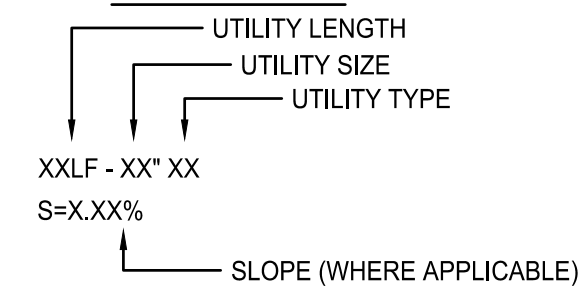


UTILITY LABEL LEGEND

STRUCTURE LABEL



PIPE LABEL



STRUCTURE TYPE

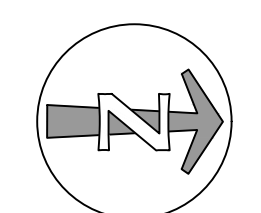
CALLOUT	DESCRIPTION	DETAIL REF.
CB	CATCH BASIN	
MH	MANHOLE	
OV	OVERFLOW INLET	

PUBLIC KEY NOTES

- 5 PROTECT EXISTING UTILITY
- 10 SAWCUT LINE
- 11 REMOVE CURB AND SIDEWALK
- 12 REMOVE PAVEMENT
- 13 REMOVE CONCRETE DRIVEWAY
- 16 REMOVE TREE
- 17 REMOVE UTILITY
- 20 ASPHALT PAVEMENT SECTION
- 22 STANDARD MONOLITHIC CURB AND GUTTER COB STANDARD DWG 205
- 24 CURB RAMP PER ODOT STANDARD DETAIL RD-XX
- 25 STANDARD COMMERCIAL DRIVEWAY COB STANDARD DWG 210
- 26 STANDARD SIDEWALK COB STANDARD DWG 215
- 27 CURBTIGHT SIDEWALK COB STANDARD DWG 216
- 30 STANDARD SIDEWALK TREEWELL COB STANDARD DWG 240
- 31 SPEED TABLE WITH CROSSWALK COB STANDARD DWG 255
- 41 PIPE TRENCH BACKFILL COB STANDARD DWG 300
- 43 PAVEMENT CUT RESTORATION COB STANDARD DWG 302
- 44 MANHOLE ADJUSTMENT SEQUENCE OPTION 2 COB STANDARD DWG 321
- 45 CWS STANDARD MANHOLE WITH COB MODIFICATIONS COB STANDARD DWG 330
- 48 SHALLOW MANHOLE CONE COB STANDARD DWG 336
- 50 CWS STREETSIDE LIDA PLANTER (NO STREET PARKING) COB STANDARD DWG 370, AREA AS SHOWN.
- 52 INSTALL WATER QUALITY CATCH BASIN. NUMBER OF FILTERS AS NOTED.
- 68 1-1/2 INCH AND 2 INCH SERVICE CONNECTIONS COB STANDARD DWG 660-5
- 70 STREET LIGHT PER DETAIL X/STX.X.
- SD CONNECT TO STORM DRAIN/ROOF DRAIN. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AND IE AS NOTED.

SHEET NOTES

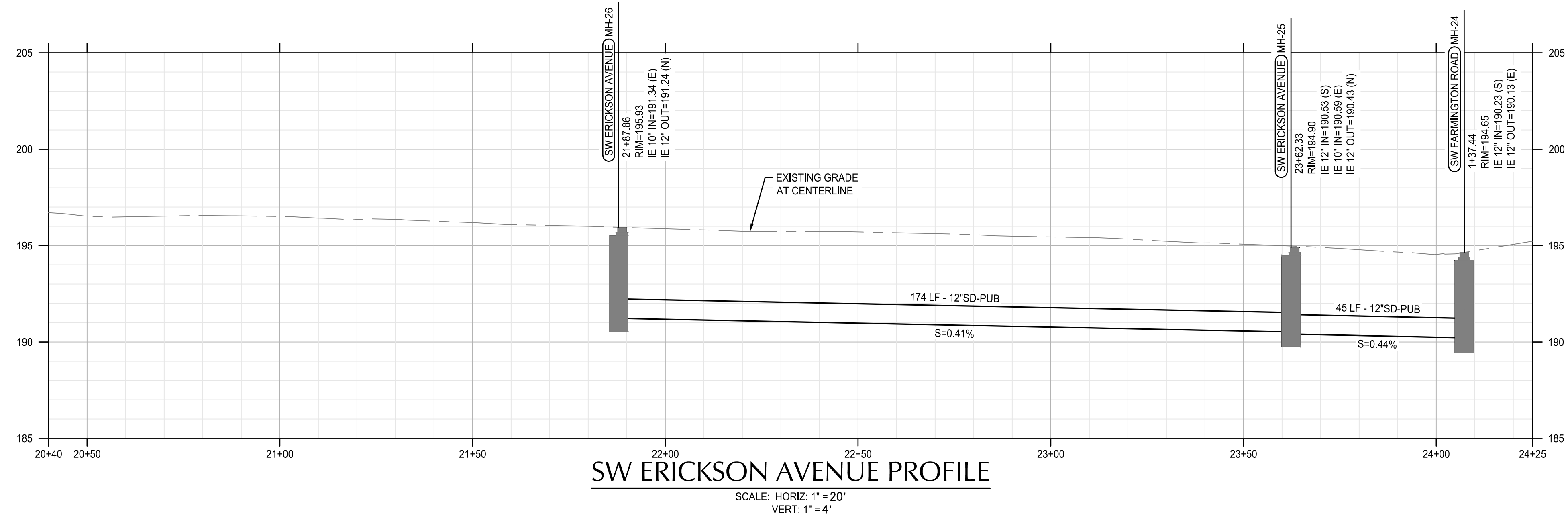
1. ALL WORK IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH THE 2020 CITY OF BEAVERTON STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS (TYP.).
2. ALL DIMENSIONS ARE TO FACE OF CURB. FOR SIDEWALK SCORING AND PAVER LAYOUT SEE SHEET ST0.4.
3. SLOPES ARE PROVIDED ON SLOPE ARROW FOR REFERENCE ONLY.
4. SPOT ELEVATIONS SHOWN IN PARENTHESIS, I.E., (94.49) ARE BASED ON EXISTING CONDITION SURVEY DATA. FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
5. REMOVE ALL EXISTING SIGNS AND SIGN POSTS (U.N.O.). NOT ALL EXISTING STRIPING IS SHOWN. REMOVE ANY CONFLICTING STRIPING THAT IS OUTSIDE THE LIMITS OF SAWCUT. SEE SIGNING AND STRIPING PLAN ON SHEET ST10.1.
6. PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER CITY OF BEAVERTON STANDARD DWG 300.
7. STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE. SEE SHEET STX.X FOR TABLES.



File: N:\c\2023\12\100178\_BSD-Beaverton-HS\CAD\PILOT\ROW\2100178-ST7.1-P&P-PUB.dwg TAB:ST7.2  
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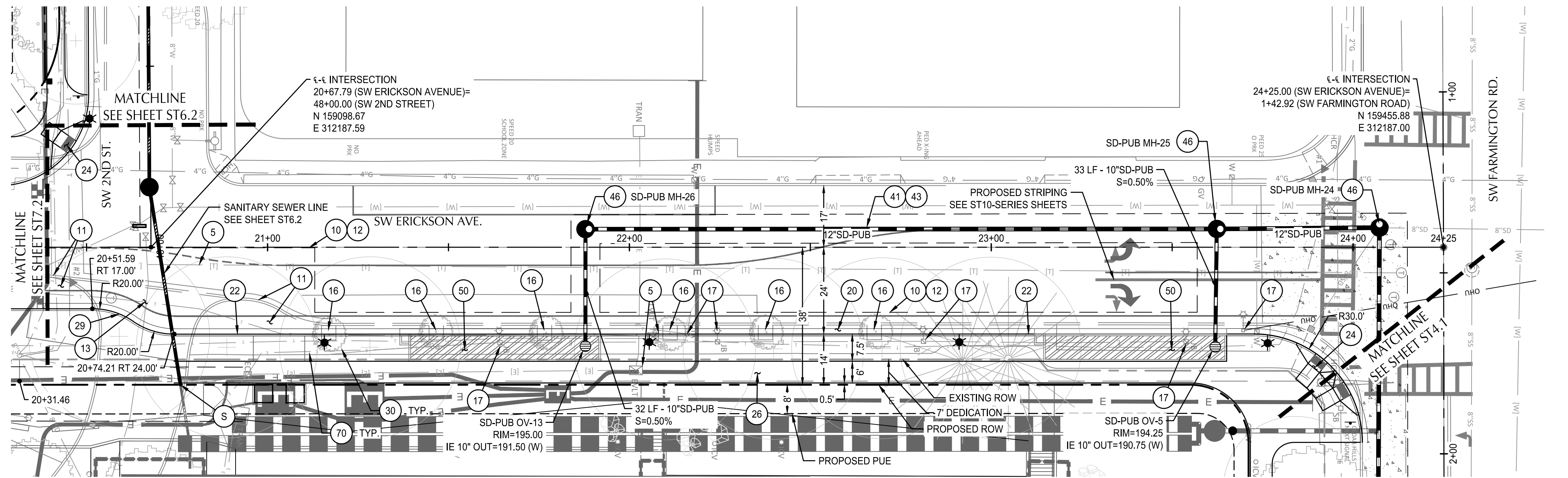


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 Plotted: 8/10/23 at 12:29pm By: TLeggate



**SW ERICKSON AVENUE PROFILE**

SCALE: HORIZ: 1" = 20'  
 VERT: 1" = 4'



**SHEET NOTES**

1. ALL WORK IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH THE 2020 CITY OF BEAVERTON STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS (TYP.).
2. ALL DIMENSIONS ARE TO FACE OF CURB. FOR SIDEWALK SCORING AND PAVEMENT LAYOUT SEE SHEET ST0.4.
3. SLOPES ARE PROVIDED ON SLOPE ARROW FOR REFERENCE ONLY.
4. SPOT ELEVATIONS SHOWN IN PARENTHESIS, I.E., (94.49) ARE BASED ON EXISTING CONDITION SURVEY DATA. FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
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6. PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER CITY OF BEAVERTON STANDARD DWG 300.
7. STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE. SEE SHEET STX.X FOR TABLES.

**(X) PUBLIC KEY NOTES**

- 7 POST CONSTRUCTION CENTERLINE MONUMENT PER COB STANDARD DWG 138
- 10 SAWCUT LINE
- 11 REMOVE CURB AND SIDEWALK
- 12 REMOVE PAVEMENT
- 13 REMOVE CONCRETE DRIVEWAY
- 16 REMOVE TREE
- 17 REMOVE UTILITY
- 20 ASPHALT PAVEMENT SECTION
- 22 STANDARD MONOLITHIC CURB AND GUTTER COB STANDARD DWG 205
- 24 CURB RAMP PER ODOT STANDARD DETAIL RD-XX
- 26 STANDARD SIDEWALK COB STANDARD DWG 215
- 29 CURB EXTENSION COB STANDARD DWG 220
- 30 STANDARD SIDEWALK TREETWELL COB STANDARD DWG 240
- 41 PIPE TRENCH BACKFILL COB STANDARD DWG 300
- 43 PAVEMENT CUT RESTORATION COB STANDARD DWG 302
- 46 CWS FLAT TOP MANHOLE WITH COB MODIFICATIONS COB STANDARD DWG 335
- 50 CWS STREETSIDE LIDA PLANTER (NO STREET PARKING) COB STANDARD DWG 370. AREA AS SHOWN.
- 70 STREET LIGHT PER DETAIL X/STX.X.
- S CONNECT TO WASTE LINE. SEE PLUMBING PLANS FOR CONTINUATION. SIZE AS NOTED.

**UTILITY LABEL LEGEND**

**STRUCTURE LABEL**

UTILITY TYPE (SD=STORM DRAINAGE)  
 STRUCTURE TYPE CALLOUT  
 ID NUMBER (WHERE APPLICABLE)

XX XX-XX  
 X+XX.X RT X.X' — LOCATION (WHERE APPLICABLE)  
 RIM=  
 IE IN = XX.X — STRUCTURE INFO (WHERE APPLICABLE)  
 IE OUT = XX.X

**PIPE LABEL**

UTILITY LENGTH  
 UTILITY SIZE  
 UTILITY TYPE

XXLF - XX" XX  
 S=X.XX%

— SLOPE (WHERE APPLICABLE)

**STRUCTURE TYPE**

CALLOUT	DESCRIPTION	DETAIL REF.
CB	CATCH BASIN	
MH	MANHOLE	
OV	OVERFLOW INLET	

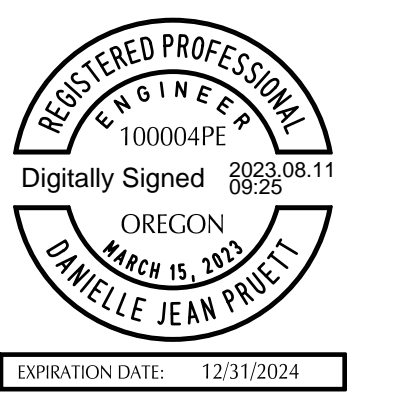


111 SW Fifth Ave., Suite 2600  
 Portland, OR 97204  
 O: 503.542.3868  
 F: 503.274.4681  
[www.kpff.com](http://www.kpff.com)

**BEAVERTON HIGH SCHOOL REBUILD**

13000 SW 2ND STREET  
 BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT  
 T 503-356-4500



revisions

NO.	DESCRIPTION

phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

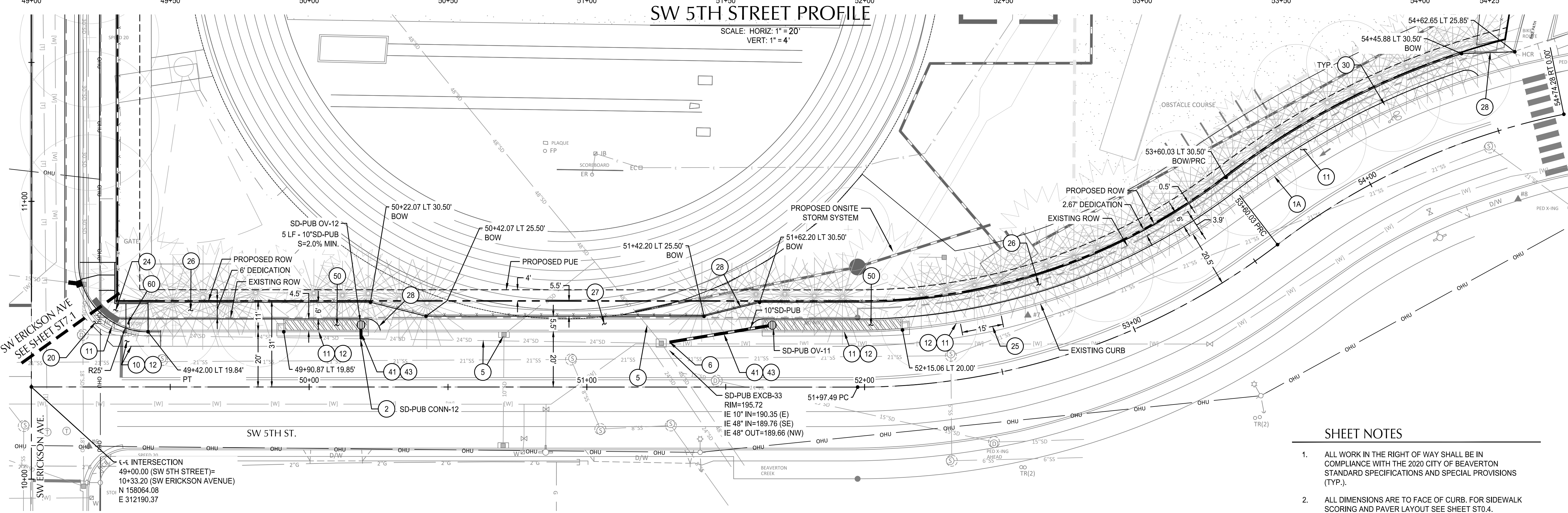
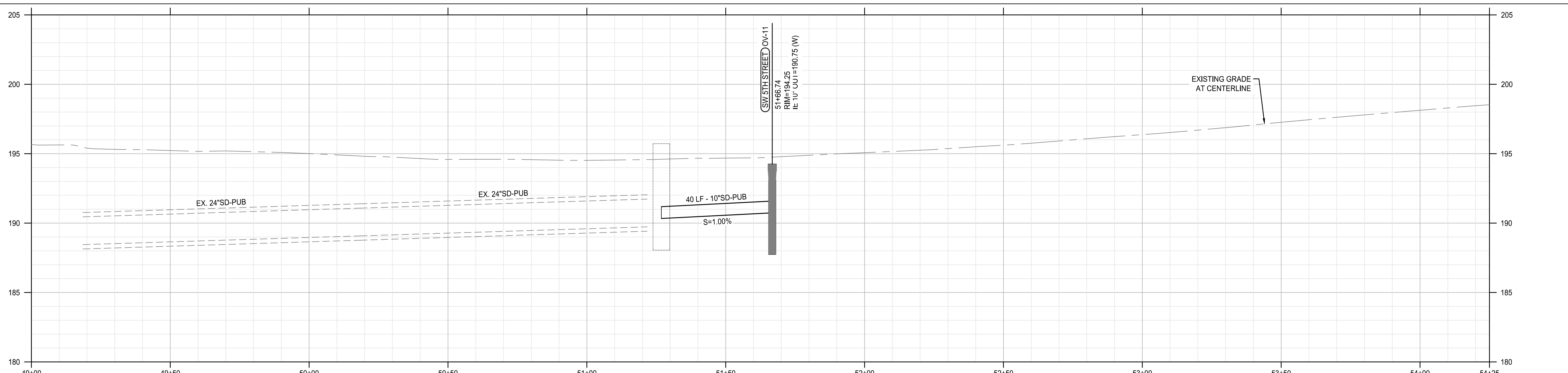
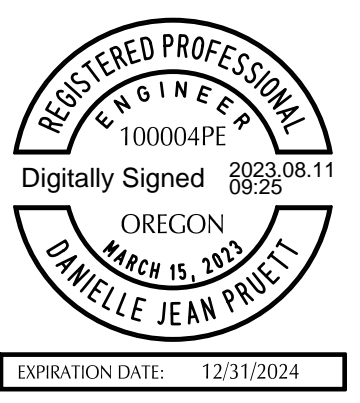
SW ERICKSON AVE PLAN & PROFILE

**ST7.3**

**BEAVERTON HIGH SCHOOL REBUILD**

13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT  
T 503-356-4500



**SHEET NOTES**

- ALL WORK IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH THE 2020 CITY OF BEAVERTON STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS (TYP.).
- ALL DIMENSIONS ARE TO FACE OF CURB. FOR SIDEWALK SCORING AND PAVER LAYOUT SEE SHEET ST0.4.
- SLOPES ARE PROVIDED ON SLOPE ARROW FOR REFERENCE ONLY.
- SPOT ELEVATIONS SHOWN IN PARENTHESIS, I.E., (94.49) ARE BASED ON EXISTING CONDITION SURVEY DATA. FIELD VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
- REMOVE ALL EXISTING SIGNS AND SIGN POSTS (U.N.O.). NOT ALL EXISTING STRIPING IS SHOWN. REMOVE ANY CONFLICTING STRIPING THAT IS OUTSIDE THE LIMITS OF SAWCUT. SEE SIGNING AND STRIPING PLAN ON SHEET ST10.1.
- PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER CITY OF BEAVERTON STANDARD DWG 300.
- STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE. SEE SHEET STX.X FOR TABLES.

**UTILITY LABEL LEGEND**

**STRUCTURE LABEL**

UTILITY TYPE (SD=STORM DRAINAGE)  
STRUCTURE TYPE CALLOUT  
ID NUMBER (WHERE APPLICABLE)  
XX XX-XX  
X+XX.X RT X.X'  
RIM=  
IE IN = XX.X  
IE OUT = XX.X  
LOCATION (WHERE APPLICABLE)  
STRUCTURE INFO (WHERE APPLICABLE)

**PIPE LABEL**

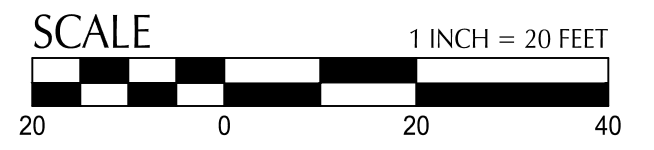
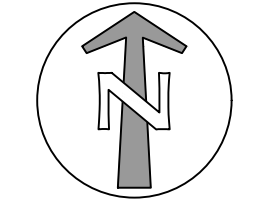
UTILITY LENGTH  
UTILITY SIZE  
UTILITY TYPE  
XXLF - XX" XX  
S=X.XX%  
SLOPE (WHERE APPLICABLE)

**STRUCTURE TYPE**

CALLOUT	DESCRIPTION	DETAIL REF.
CB	CATCH BASIN	
MH	MANHOLE	
OV	OVERFLOW INLET	

**(X) PUBLIC KEY NOTES**

- PROTECT EXISTING CURB
- FIELD VERIFY EXISTING STORM PIPES LOCATION, SIZE, AND IE PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES WITH PLANS TO CONSTRUCTION.
- PROTECT EXISTING UTILITIES
- CONNECT TO EXISTING STORM STRUCTURE VERIFY INVERTS
- SAWCUT LINE
- REMOVE CURB AND SIDEWALK
- REMOVE PAVEMENT
- ASPHALT PAVEMENT SECTION
- CURB RAMP PER ODOT STANDARD DETAIL RD-XX
- STANDARD COMMERCIAL DRIVEWAY COB STANDARD DWG 210
- STANDARD SIDEWALK COB STANDARD DWG 215
- CURBTIGHT SIDEWALK COB STANDARD DWG 216
- STANDARD TO CURB TIGHT SIDEWALK TRANSITION COB STANDARD DWG 217
- STANDARD SIDEWALK TREETWELL COB STANDARD DWG 240
- PIPE TRENCH BACKFILL COB STANDARD DWG 300
- PAVEMENT CUT RESTORATION COB STANDARD DWG 302
- CWS STREETSIDE LIDA PLANTER (NO STREET PARKING) COB STANDARD DWG 370. AREA AS SHOWN.



revisions	

phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

SW 5TH ST PLAN & PROFILE

**ST8.1**

**SHEET NOTES**

- PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER DETAIL 300/C5.06.
- STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE.
- CONTRACTOR TO POTHOLE ALL EXISTING UTILITIES AT CROSSINGS AND NOTIFY ENGINEER OF CONFLICTS.

**KEY NOTES**

NOTE	DESCRIPTION	DETAIL REF.
1	FIELD VERIFY LOCATION AND IE OF EXISTING WATER MAIN PRIOR TO CONSTRUCTION.	
2	INSTALL FIRE HYDRANT	
3	RECONNECT EXISTING FIRE HYDRANT TO NEW 12" WATERLINE.	
4	RECONNECT EXISTING WATER METER TO NEW 12" WATERLINE.	
!!	UTILITY CROSSING. PROVIDE 12" MIN. CLEARANCE, U.N.O.	

**UTILITY LABEL LEGEND**

**STRUCTURE LABEL**

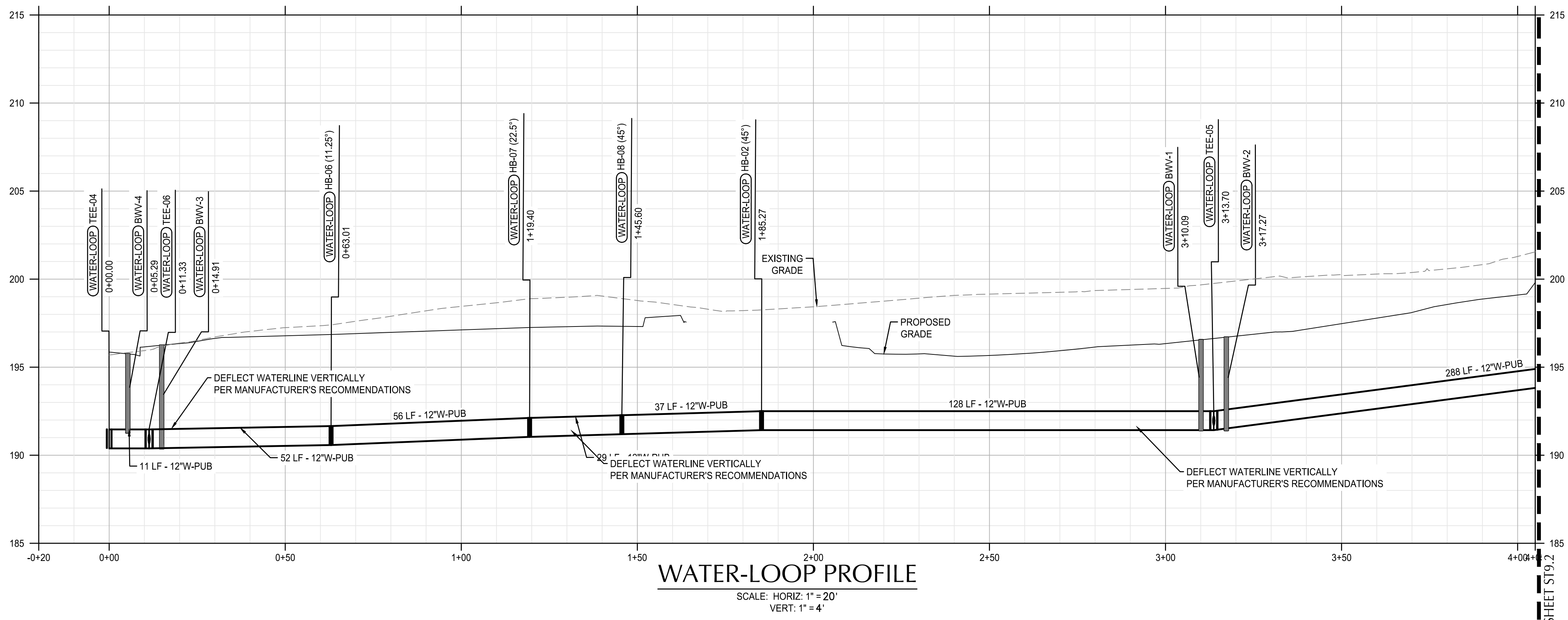
- UTILITY TYPE (S=SANITARY SEWER, W=WATER, FP=FIRE PROTECTION)
- STRUCTURE TYPE CALLOUT
- XX XX-XX ID NUMBER (WHERE APPLICABLE)
- X+XX.X RT X.X' LOCATION (WHERE APPLICABLE)
- RIM=
- IE IN = XX.X
- IE OUT = XX.X
- STRUCTURE INFO (WHERE APPLICABLE)

**PIPE LABEL**

- UTILITY LENGTH
- UTILITY SIZE
- UTILITY TYPE
- XXLF - XX" XX
- S=X.XX%
- SLOPE (WHERE APPLICABLE)

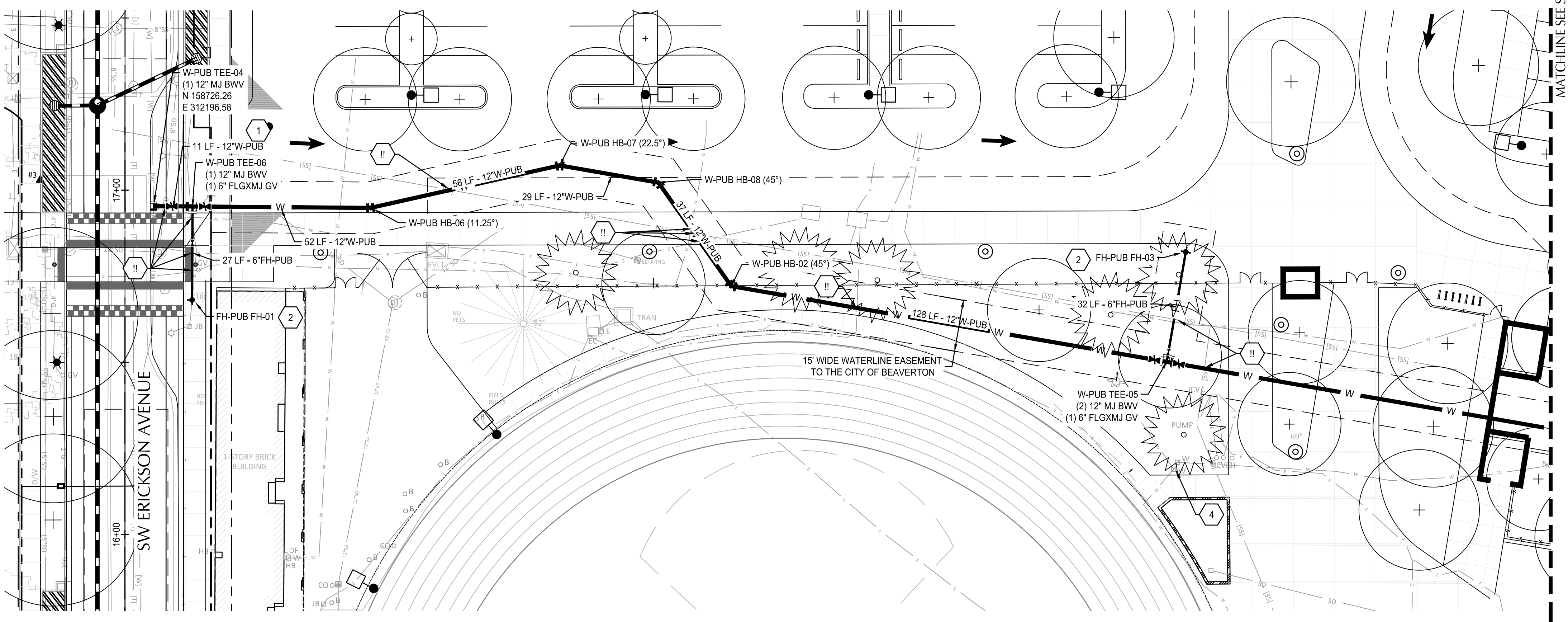
**STRUCTURE TYPE**

CALLOUT	DESCRIPTION	DETAIL REF.
BV	BUTTERFLY VALVE	
DCVA	DOUBLE CHECK VALVE ASSEMBLY	
DCV	DOUBLE DETECTOR CHECK VALVE	
FH	FIRE HYDRANT	
GM	GAS METER	
GV	GATE VALVE	
HB	HORIZONTAL BEND	
MH	MANHOLE	
STUB	STUB	
TB	THRUST BLOCK	
TEE	TEE CONNECTION	
WM	WATER METER	
WYE	WYE CONNECTION	



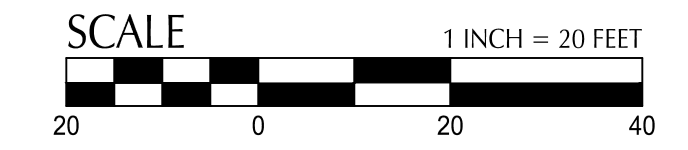
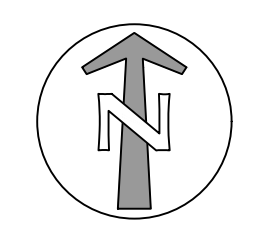
**WATER-LOOP PROFILE**

SCALE: HORIZ: 1" = 20'  
VERT: 1" = 4'



MATCHLINE SEE SHEET ST9.2

File: \\evldk1\util\projects\2021\10178-bad-beaverton-hs\CAD\PILOT\ROW\2100178-ST9.0-UTL-UTIL-PUB.dwg TAB: ST9.1  
Plotted: 8/9/23 at 4:21pm By: dneidecker



revisions	

phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

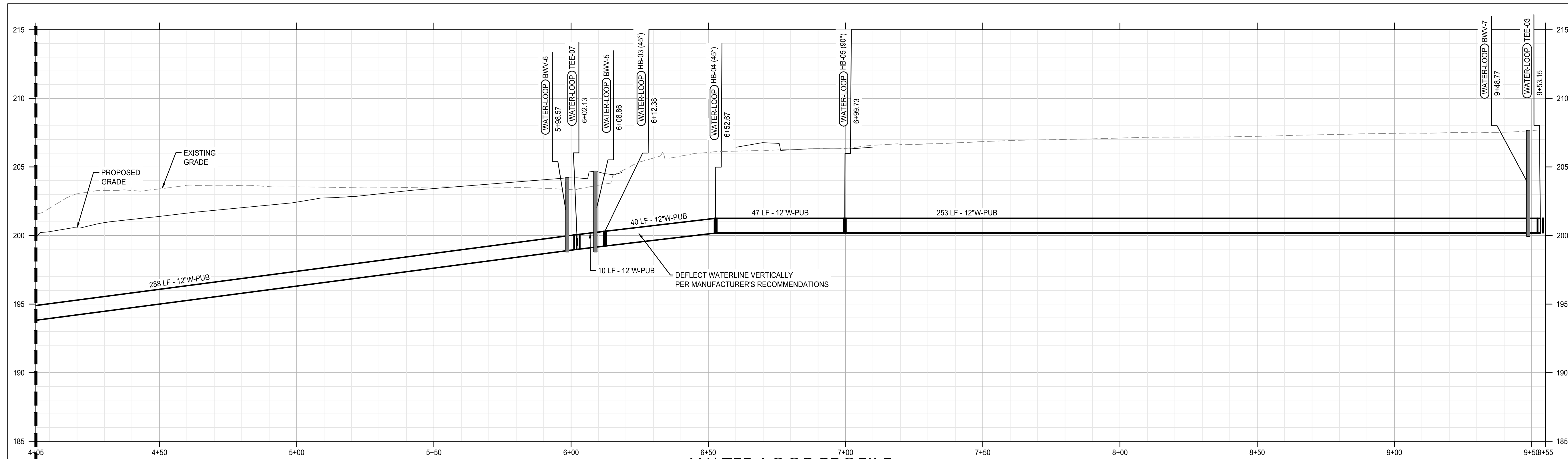
UTILITY PLAN & PROFILE

**ST9.1**

**BEAVERTON HIGH SCHOOL REBUILD**

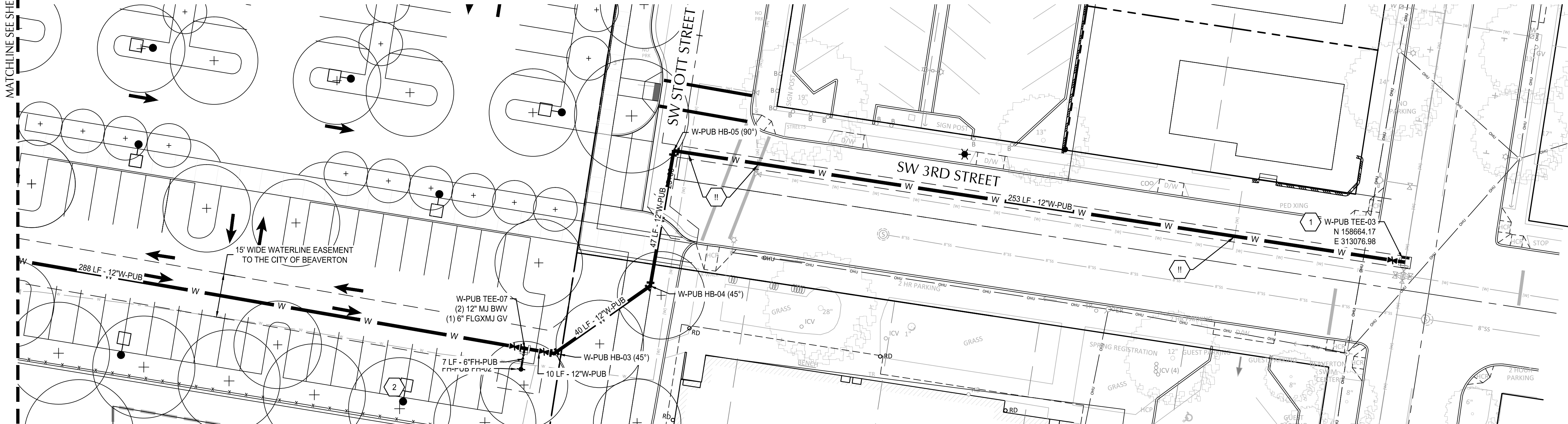
13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT  
T 503-356-4500



**WATER-LOOP PROFILE**

SCALE: HORIZ: 1" = 20'  
VERT: 1" = 4'



**SHEET NOTES**

- PIPE BEDDING AND BACKFILL FOR ALL UTILITIES SHALL BE DONE PER DETAIL 300/C5.06.
- STRUCTURES LOCATIONS ARE BASED ON CENTER OF STRUCTURE.
- CONTRACTOR TO POTHOLE ALL EXISTING UTILITIES AT CROSSINGS AND NOTIFY ENGINEER OF CONFLICTS.

**KEY NOTES**

- | NOTE | DESCRIPTION  | DETAIL REF. |
|------|--|-------------|
| 1    | FIELD VERIFY LOCATION AND IE OF EXISTING WATER MAIN PRIOR TO CONSTRUCTION. |             |
| 2    | INSTALL FIRE HYDRANT   |             |
| 3    | RECONNECT EXISTING FIRE HYDRANT TO NEW 12" WATERLINE.                      |             |
| 4    | RECONNECT EXISTING WATER METER TO NEW 12" WATERLINE.                       |             |
| !!   | UTILITY CROSSING. PROVIDE 12" MIN. CLEARANCE, U.N.O.                       |             |

**UTILITY LABEL LEGEND**

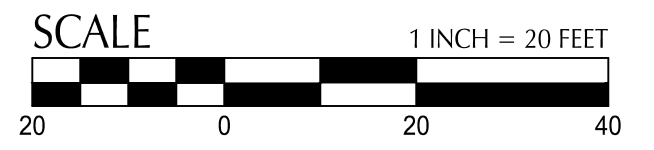
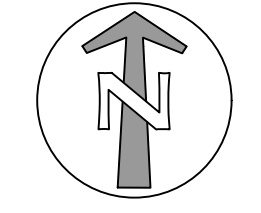
- STRUCTURE LABEL**
- UTILITY TYPE (S=SANITARY SEWER, W=WATER, FP=FIRE PROTECTION)
  - STRUCTURE TYPE CALLOUT
  - XX XX-XX ID NUMBER (WHERE APPLICABLE)
  - X+XX.X RT X.X' LOCATION (WHERE APPLICABLE)
  - RIM=
  - IE IN = XX.X
  - IE OUT = XX.X
  - STRUCTURE INFO (WHERE APPLICABLE)

**PIPE LABEL**

- UTILITY LENGTH
- UTILITY SIZE
- UTILITY TYPE
- XXLF - XX'XX
- S=X.XX% SLOPE (WHERE APPLICABLE)

**STRUCTURE TYPE**

CALLOUT	DESCRIPTION	DETAIL REF.
BV	BUTTERFLY VALVE	
DCVA	DOUBLE CHECK VALVE ASSEMBLY	
DDCV	DOUBLE DETECTOR CHECK VALVE	
FH	FIRE HYDRANT	
GM	GAS METER	
GV	GATE VALVE	
HB	HORIZONTAL BEND	
MH	MANHOLE	
STUB	STUB	
TB	THRUST BLOCK	
TEE	TEE CONNECTION	
WM	WATER METER	
WYE	WYE CONNECTION	



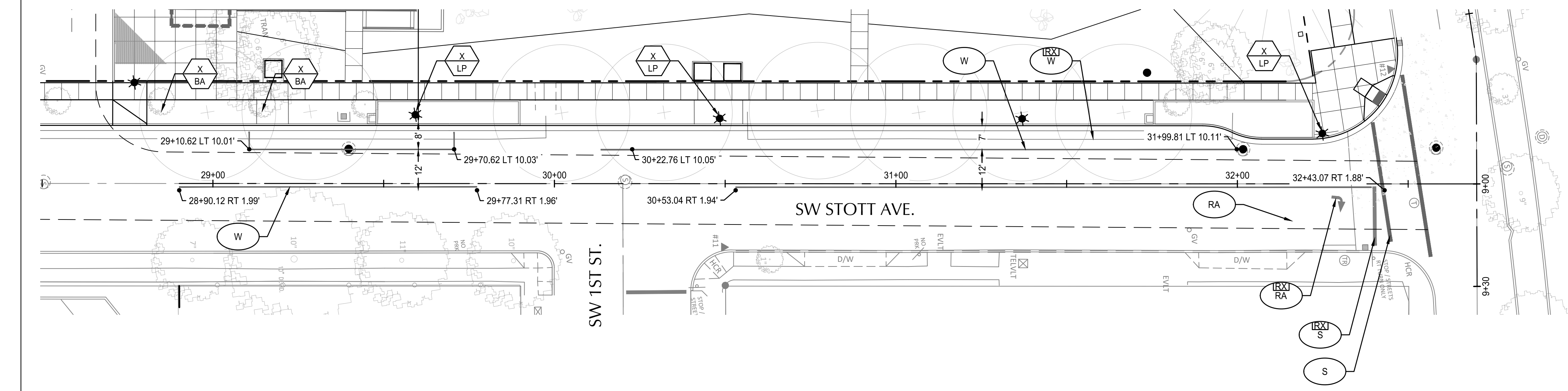
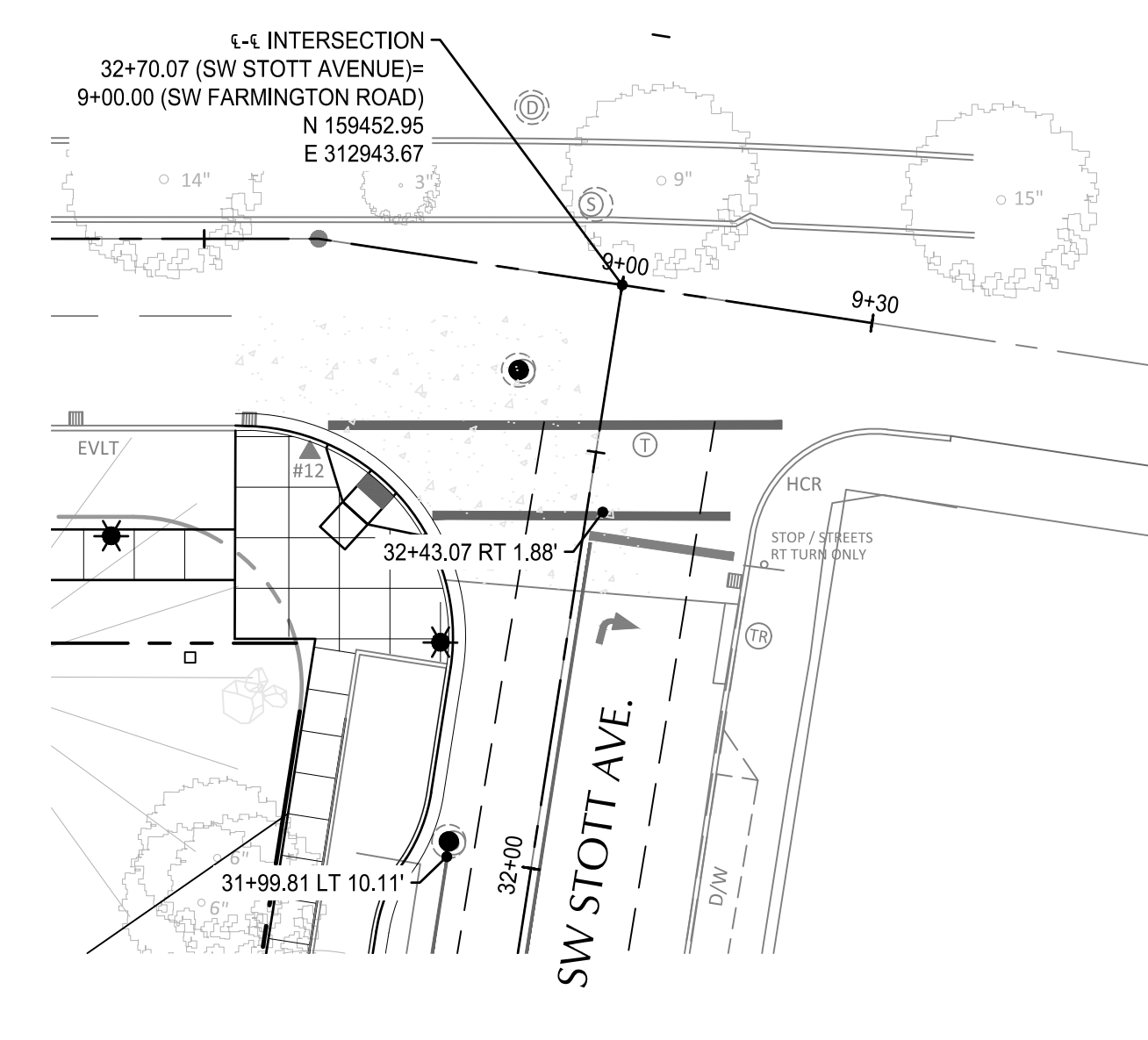
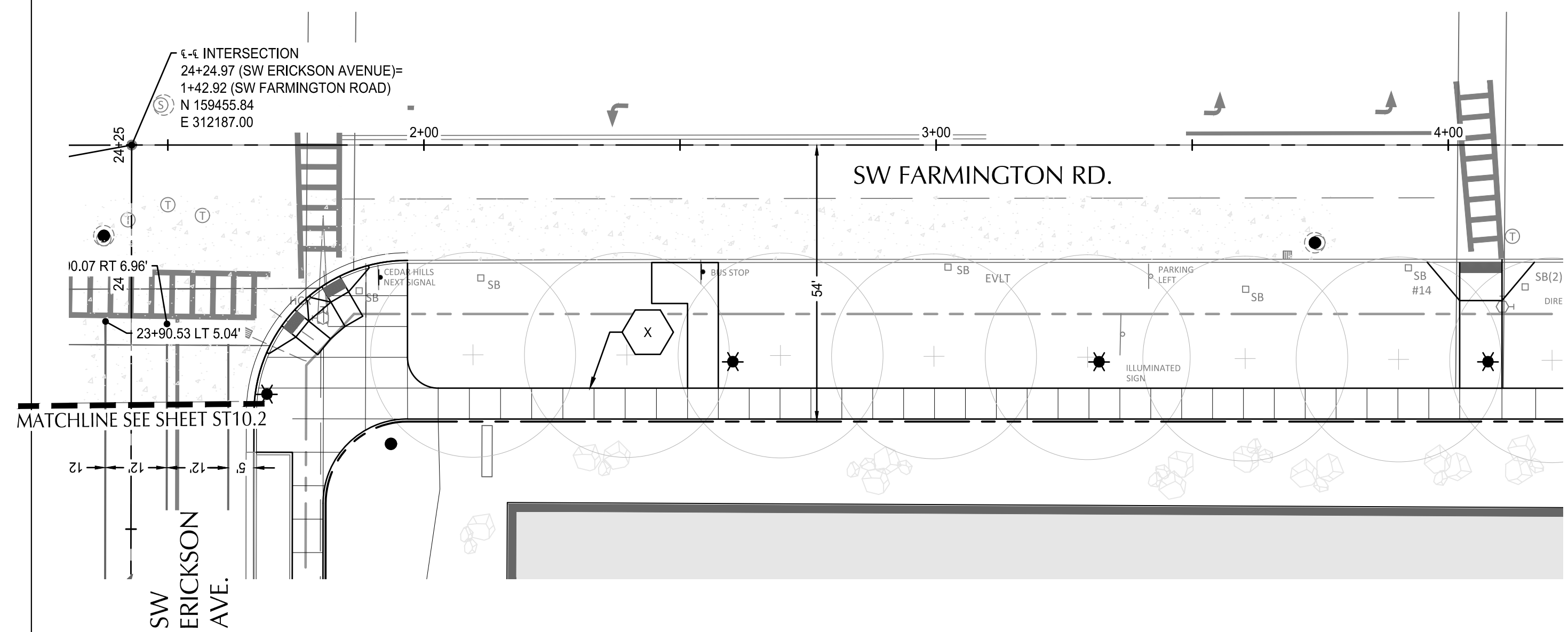
revisions	

phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

UTILITY PLAN & PROFILE

**ST9.2**

File: \\evl\brk1\Civil\Projects\2021\2100178-bsc-beaverton-hs\CAD\PILOT\ROW\2100178-ST10.0-PUB-SIGN.dwg TAB:ST10.1  
 Plotted: 8/9/23 at 4:22pm By: dneadecker



**SHEET NOTES**

- SEE SHEET ST1.0 FOR GENERAL NOTES AND SIGN DETAILS.

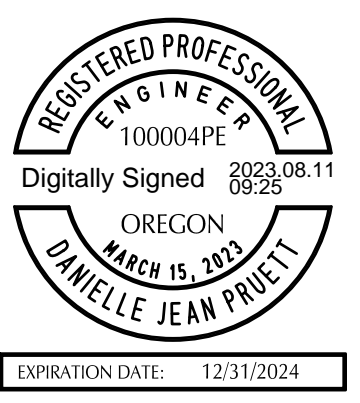


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 F: 503.274.4681  
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**BEAVERTON HIGH SCHOOL REBUILD**

13000 SW 2ND STREET  
 BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT  
 T 503-356-4500

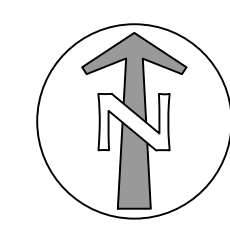


**SIGN AND STRIPING LEGEND**

- |  |  |  |   |
|--|--|--|---|
|  | STRIPING (X) PER ODOT STANDARD DETAILS TM500 THRU TM503.       |  | REMOVE EXISTING SIGN (N) AND SIGN SUPPORT (M) |
|  | STRIPING (X) PER BEAVERTON STANDARDS.                          |  | REINSTALL SIGN (N) ON SIGN SUPPORT            |
|  | REMOVE EXISTING STRIPING                                       |  | INSTALL NEW SIGN (N) ON SIGN SUPPORT (M)      |
|  |  |  | REINSTALL SIGN (N) ON NEW SIGN SUPPORT (M)    |
|  | REMOVE AND SAVE EXISTING SIGN (N)                              |  | INSTALL NEW SIGN (N) ON NEW SIGN SUPPORT (M)  |
|  | REMOVE AND SAVE EXISTING SIGN (N) AND PROTECT SIGN SUPPORT (M) |  |   |
|  | REMOVE AND SAVE EXISTING SIGN (N) AND REMOVE SIGN SUPPORT (M)  |  |   |

N = SIGN NUMBER  
 M = SIGN MOUNT

SIGN MOUNT OPTIONS:  
 BA = BREAKAWAY POST AND ANCHOR IN EARTH  
 BD = BREAKAWAY DOME ON CONCRETE  
 LP = LIGHT POLE  
 SP = SIGNAL POLE  
 P = PIPE POST IN EARTH  
 WP = WOOD POST



revisions	

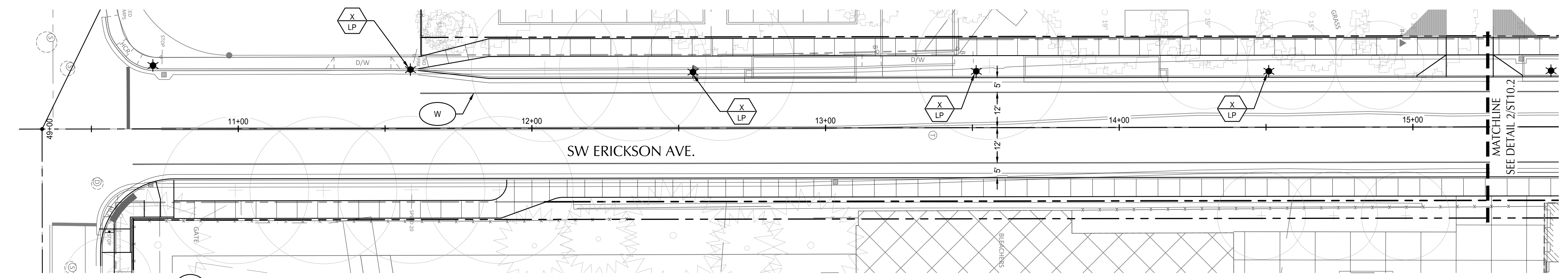
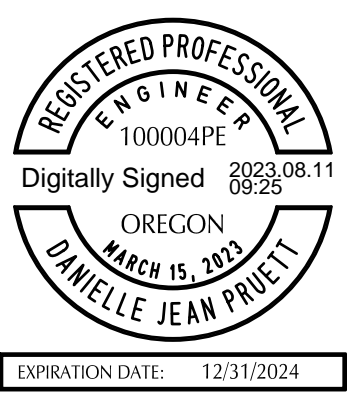
phase LAND USE RESUBMITTAL SET  
 date 08/11/2023  
 project 21016  
 SIGNING AND STRIPING PLAN

**ST10.1**

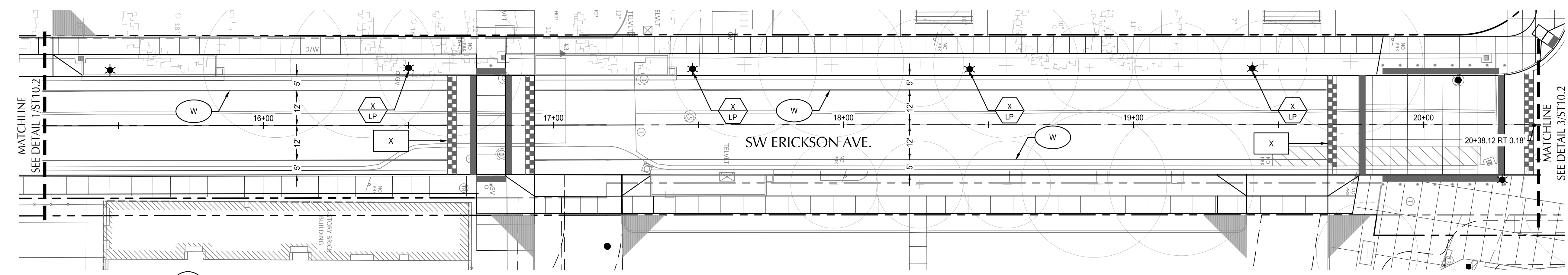
**BEAVERTON HIGH SCHOOL REBUILD**

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BEAVERTON, OREGON 97005

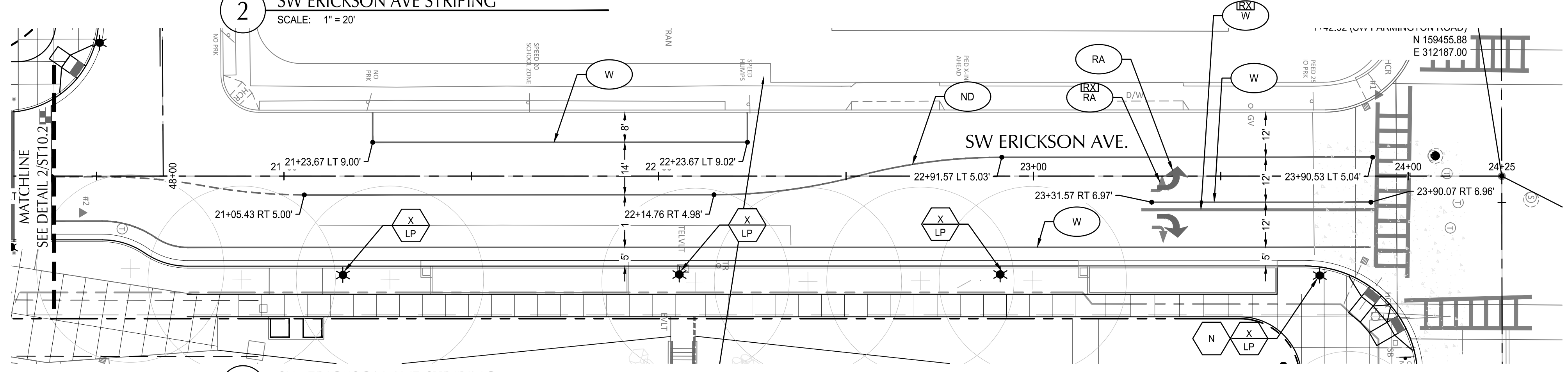
BEAVERTON SCHOOL DISTRICT  
T 503-356-4500



**1 SW ERICKSON AVE STRIPING**  
SCALE: 1" = 20'



**2 SW ERICKSON AVE STRIPING**  
SCALE: 1" = 20'



**3 SW ERICKSON AVE STRIPING**  
SCALE: 1" = 20'

**SIGN AND STRIPING LEGEND**

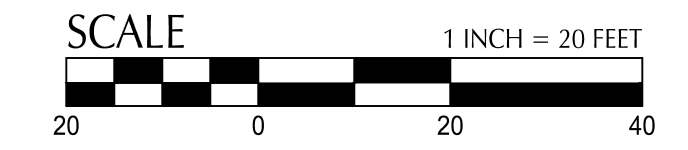
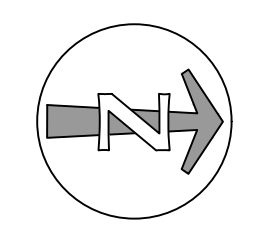
- |  |  |  |   |
|--|--|--|---|
|  | STRIPING (X) PER ODOT STANDARD DETAILS TM500 THRU TM503.       |  | REMOVE EXISTING SIGN (N) AND SIGN SUPPORT (M) |
|  | STRIPING (X) PER BEAVERTON STANDARDS.                          |  | REINSTALL SIGN (N) ON SIGN SUPPORT            |
|  | REMOVE EXISTING STRIPING                                       |  | INSTALL NEW SIGN (N) ON SIGN SUPPORT (M)      |
|  | REMOVE AND SAVE EXISTING SIGN (N)                              |  | REINSTALL SIGN (N) ON NEW SIGN SUPPORT (M)    |
|  | REMOVE AND SAVE EXISTING SIGN (N) AND PROTECT SIGN SUPPORT (M) |  | INSTALL NEW SIGN (N) ON NEW SIGN SUPPORT (M)  |
|  | REMOVE AND SAVE EXISTING SIGN (N) AND REMOVE SIGN SUPPORT (M)  |  |   |

N = SIGN NUMBER  
M = SIGN MOUNT

SIGN MOUNT OPTIONS:  
BA = BREAKAWAY POST AND ANCHOR IN EARTH  
BD = BREAKAWAY DOME ON CONCRETE  
LP = LIGHT POLE  
SP = SIGNAL POLE  
P = PIPE POST IN EARTH  
WP = WOOD POST

**SHEET NOTES**

- SEE SHEET ST1.0 FOR GENERAL NOTES AND SIGN DETAILS.



File: \\evldk1\civil\Projects\2021\2100178-bsd-beaverton-hs\CAD\PILOT\ROW\2100178-ST10.0-PUB-SIGN.dwg TAB:ST10.2  
Plotted: 8/9/23 at 4:22pm By: chrisdecker

revisions	

phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

SIGNING AND STRIPING PLAN

**ST10.2**

GENERAL NOTES

1. THE CONTRACTOR SHALL INSTALL OR REINSTALL ALL PERMANENT TRAFFIC CONTROL SIGNING, CURB, AND PAVEMENT MARKINGS, AND BARRICADES.
2. THE CONTRACTOR SHALL SUBMIT MATERIALS LIST FOR APPROVAL 14 DAYS PRIOR TO INSTALLING PERMANENT TRAFFIC CONTROL SIGNING, CURB AND PAVEMENT MARKINGS, AND BARRICADES.
3. REFER TO SHEET STO2 FOR NOTES RELATED TO TEMPORARY TRAFFIC CONTROL.

SIGNING NOTES:

4. ALL NEW SIGN MATERIALS SHALL COMPLY WITH SECTION 2910 OF THE CITY OF BEAVERTON STANDARD CONSTRUCTION SPECIFICATIONS. ALL SIGNS SHALL BE TYPE I OR IV BACKGROUND SHEETING ON ALUMINUM SIGN BLANKS. SIGN TYPES FOR EACH SIGN, AS SPECIFIED IN SECTION 2910.02 ARE NOTED IN THE PLANS.

PAVEMENT MARKING NOTES:

5. ALL CURB AND PAVEMENT MARKING MATERIALS SHALL BE ON THE CITY'S CONSTRUCTION PRODUCT LIST (CPL) OR THE STATE'S QUALIFIED PRODUCTS LIST (QPL). ALL MATERIALS SHALL BE INSTALLED IN CONFORMANCE WITH THE MANUFACTURER'S APPROVED APPLICATION PROCEDURE.
6. ALL LONGITUDINAL LINE WORK TO BE METHOD B (NON-PROFILE) EXTRUDED THERMOPLASTIC, 120 MILS THICK.
7. ALL TRANSVERSE LINE WORK, LEGENDS, SYMBOLS, AND ARROWS, SHALL BE TYPE "B-HS" PREFORMED THERMOPLASTIC, BIKE LANE STENCILS, GREEN BICYCLE LANE MARKINGS, AND BIKE PATH RAILROAD MARKINGS SHALL BE 90 MILS THICK, ALL OTHER TRANSVERSE PAVEMENT MARKINGS SHALL BE 120-125 MILS THICK.
8. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY CURB OR PAVEMENT MARKINGS DAMAGED, WORN OUT OR REMOVED DUE TO CONTRACTOR'S OPERATION.
9. REMOVE ALL CONFLICTING PAVEMENT MARKINGS.
10. DIMENSIONS ARE FROM CENTERLINE TO CENTERLINE OF STRIPE.



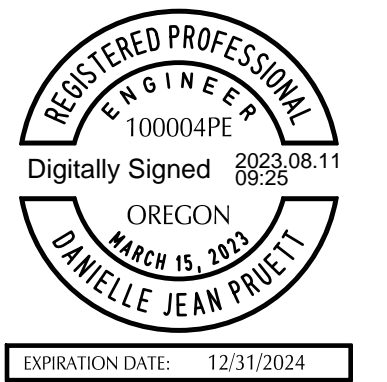
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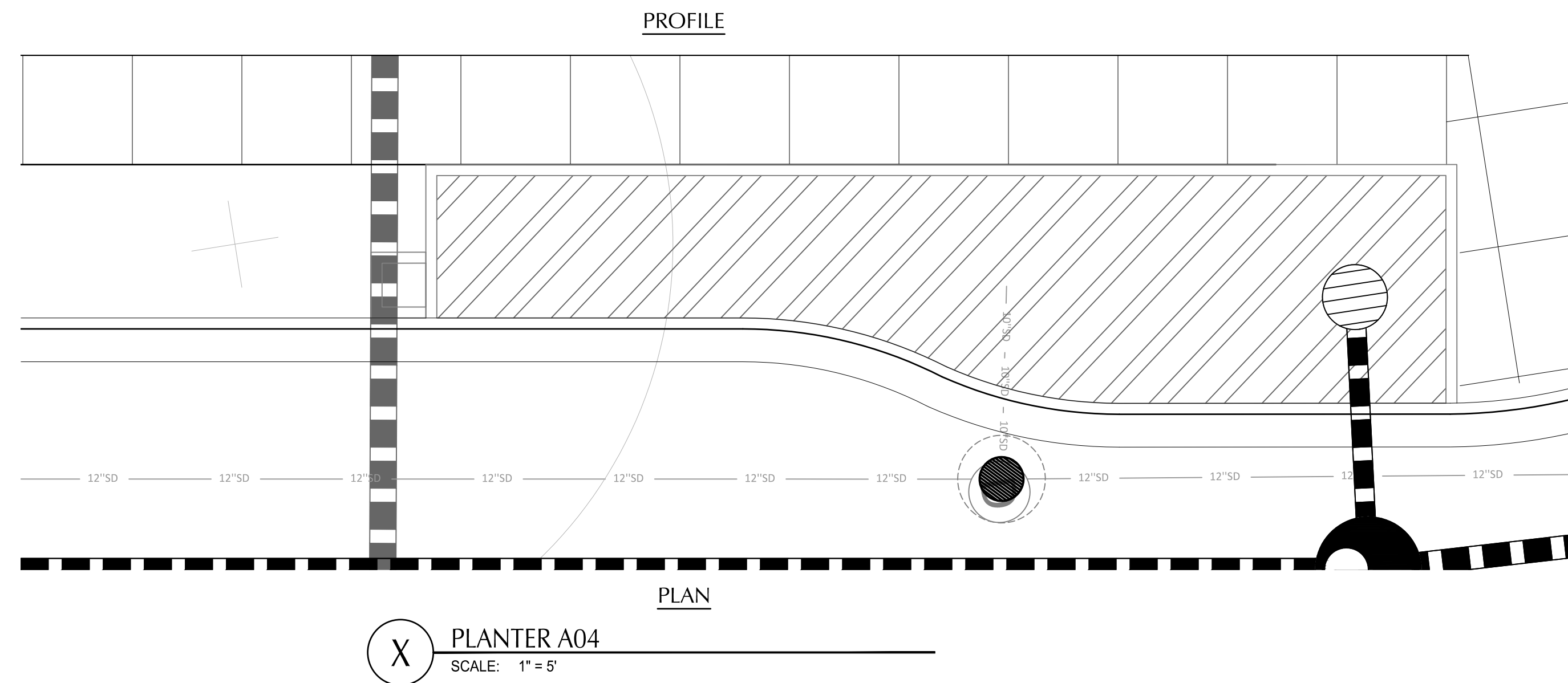
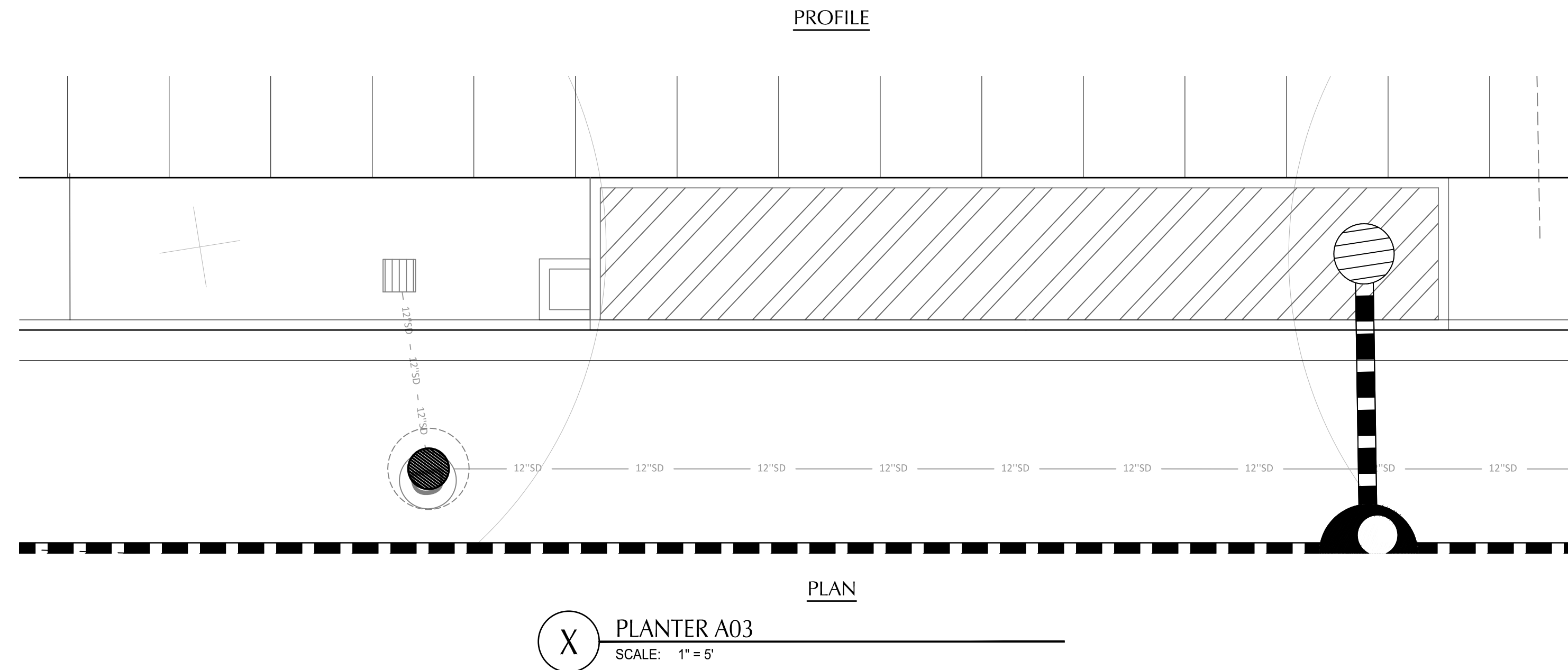
revisions	

phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

SIGNING AND STRIPING  
PLAN DETAILS

**ST10.3**

File: \\v\proj\1\civil\projects\2021\01\0178-bad-beaverton-hs\CAD\PLOT\ROW\2100178-ST11.1-STRM-PLNTR-DTL.dwg TAB ST11.1  
 Plotted: 8/10/23 at 12:15pm By: chrisdecker



SHEET NOTES

⊗ PUBLIC KEY NOTES

UTILITY LABEL LEGEND

STRUCTURE LABEL

UTILITY TYPE (SD=STORM DRAINAGE)  
 STRUCTURE TYPE CALLOUT  
 ID NUMBER (WHERE APPLICABLE)  
 XX XX-XX  
 X+XX.X RT X.X' LOCATION (WHERE APPLICABLE)  
 RIM=  
 IE IN = XX.X STRUCTURE INFO (WHERE APPLICABLE)  
 IE OUT = XX.X

PIPE LABEL

UTILITY LENGTH  
 UTILITY SIZE  
 UTILITY TYPE  
 XXL F - XX" XX  
 S=X.XX%  
 SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

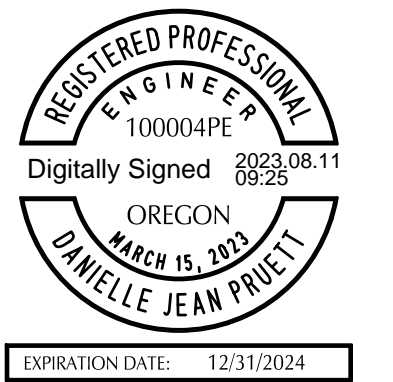
CALLOUT	DESCRIPTION	DETAIL REF.
CB	CATCH BASIN	
MH	MANHOLE	
OV	OVERFLOW INLET	

BEAVERTON HIGH  
SCHOOL REBUILD

13000 SW 2ND STREET  
BEAVERTON, OREGON 97005

BEAVERTON SCHOOL  
DISTRICT

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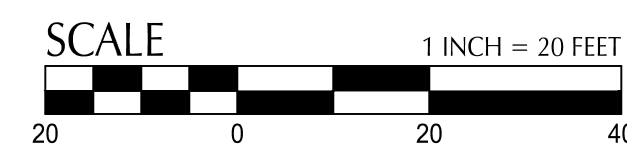
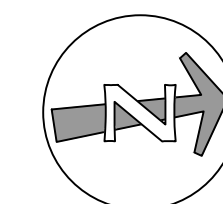


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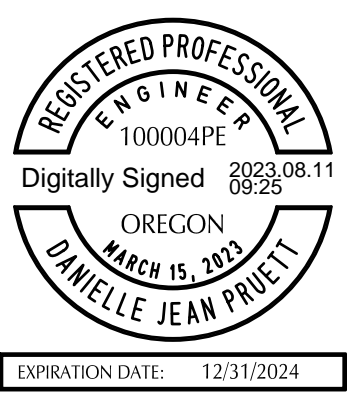
phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

STORM PLANTER DETAILS

ST11.1

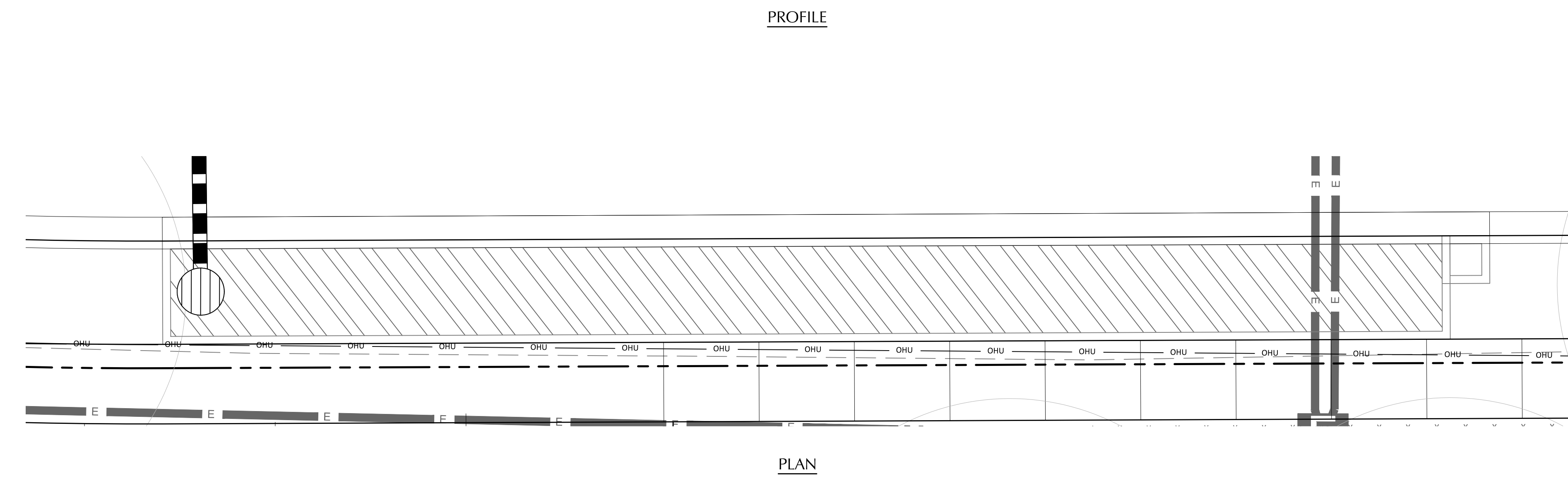






SHEET NOTES

⊗ PUBLIC KEY NOTES



⊗ **PLANTER B01**  
SCALE: 1" = 5'

UTILITY LABEL LEGEND

**STRUCTURE LABEL**

UTILITY TYPE (SD=STORM DRAINAGE)  
STRUCTURE TYPE CALLOUT  
ID NUMBER (WHERE APPLICABLE)

XX XX-XX  
X+XX.X RT X.X' ← LOCATION (WHERE APPLICABLE)  
RIM=  
IE IN = XX.X  
IE OUT = XX.X ← STRUCTURE INFO (WHERE APPLICABLE)

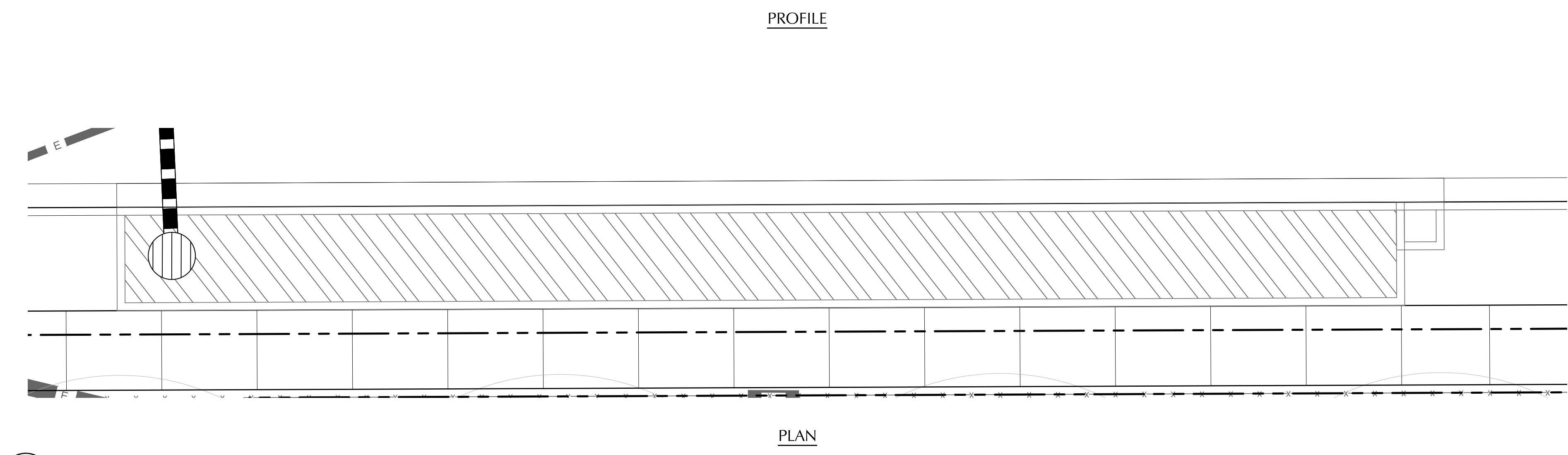
**PIPE LABEL**

UTILITY LENGTH  
UTILITY SIZE  
UTILITY TYPE

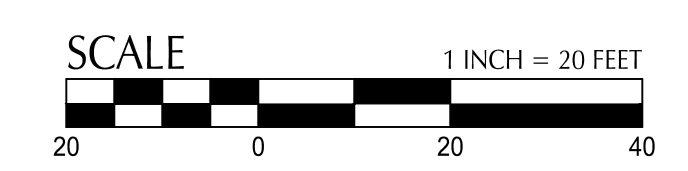
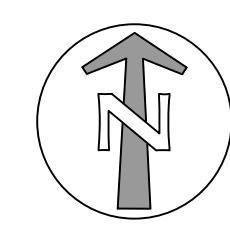
XXLF - XX" XX  
S=X.XX% ← SLOPE (WHERE APPLICABLE)

**STRUCTURE TYPE**

CALLOUT	DESCRIPTION	DETAIL REF.
CB	CATCH BASIN	
MH	MANHOLE	
OV	OVERFLOW INLET	



⊗ **PLANTER A04**  
SCALE: 1" = 5'



revisions	

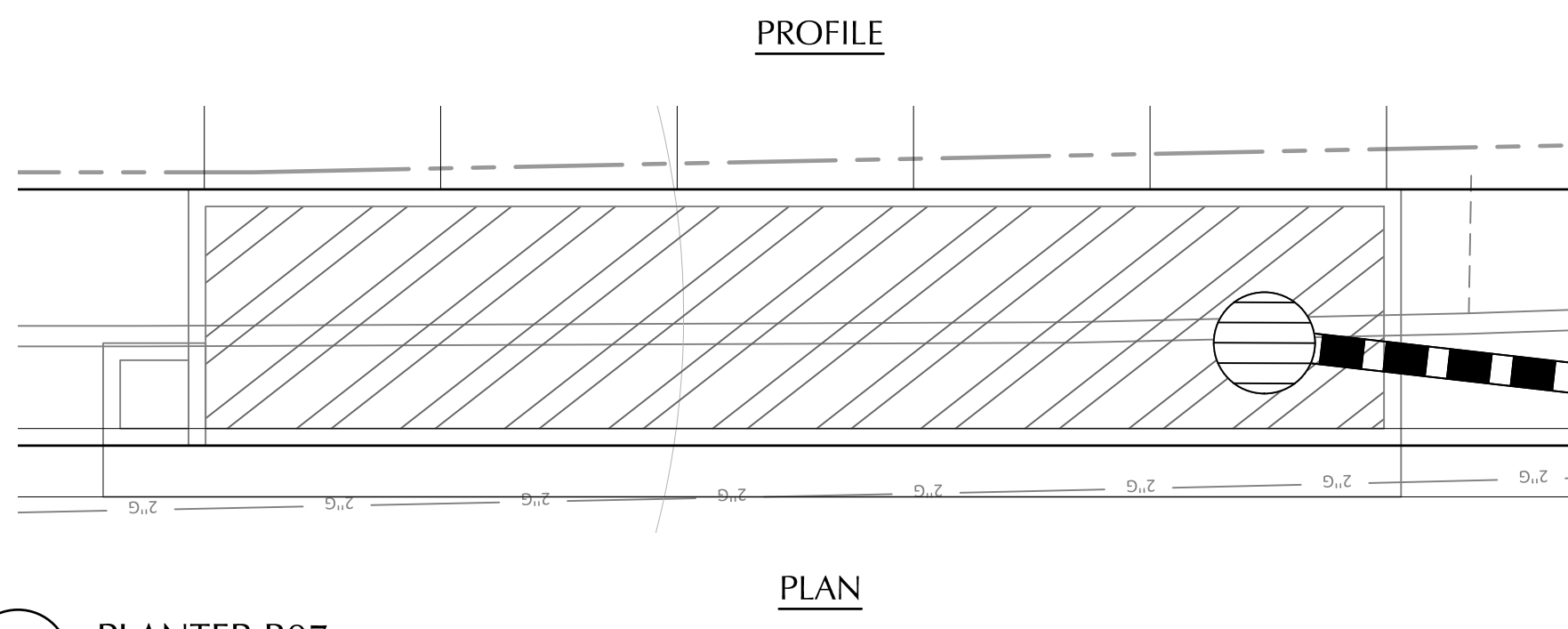
phase	LAND USE RESUBMITTAL SET
date	08/11/2023
project	21016

STORM PLANTER DETAILS

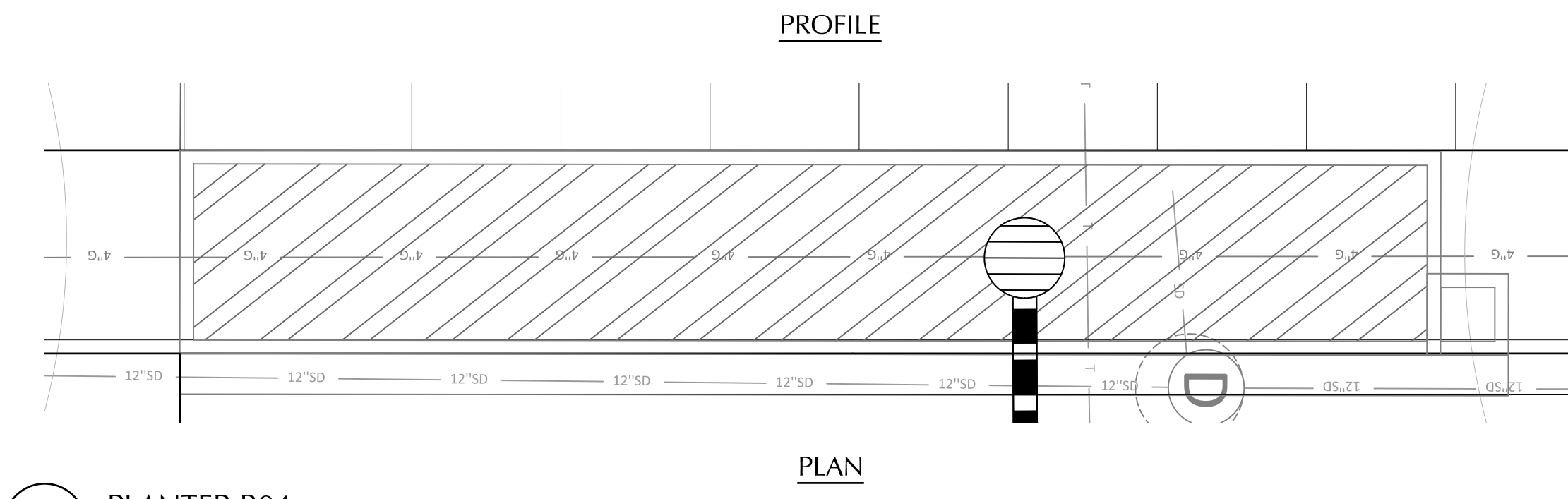
**ST11.2**

SHEET NOTES

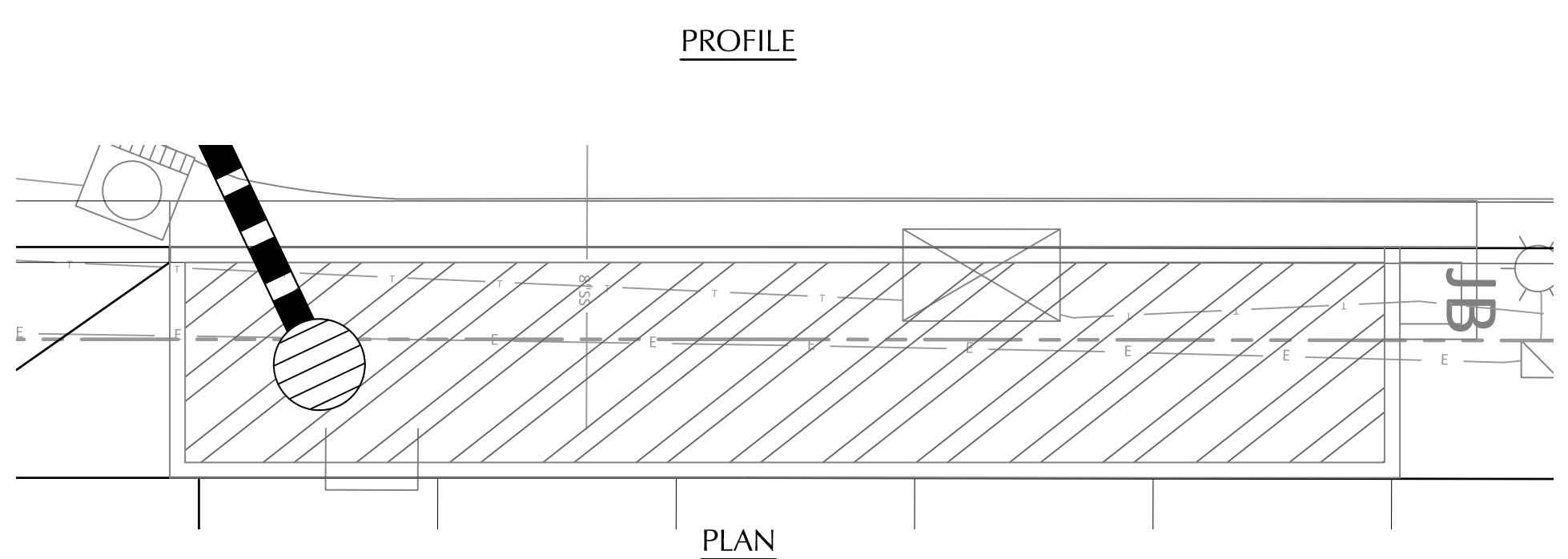
⊗ PUBLIC KEY NOTES



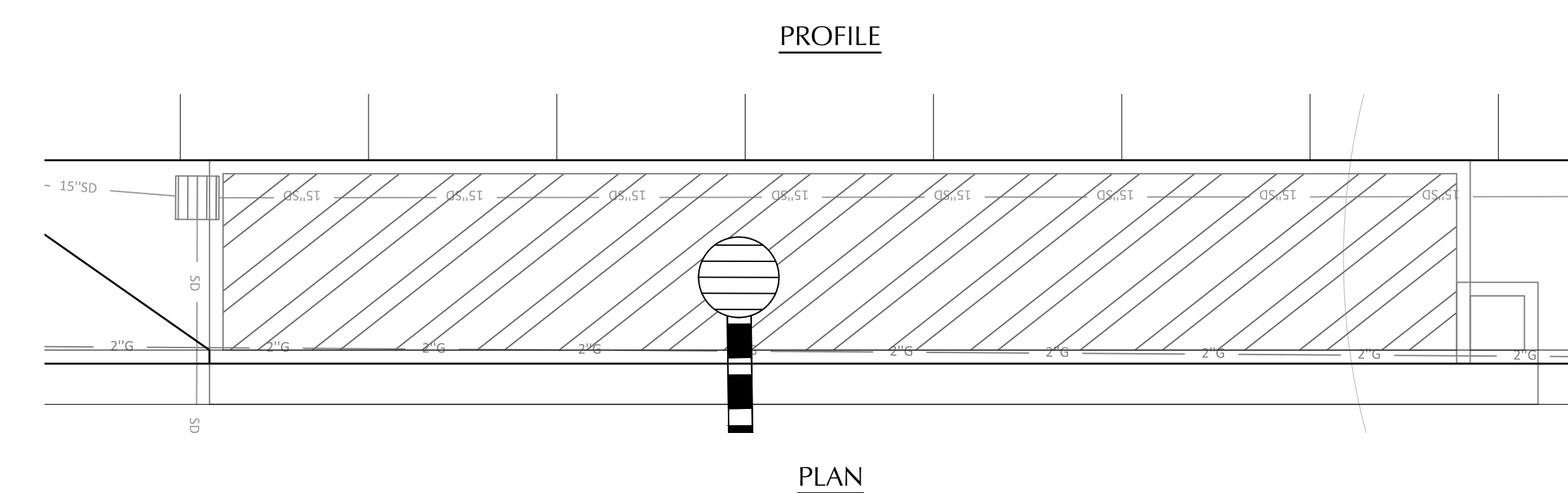
⊗ PLANTER B07  
SCALE: 1" = 5'



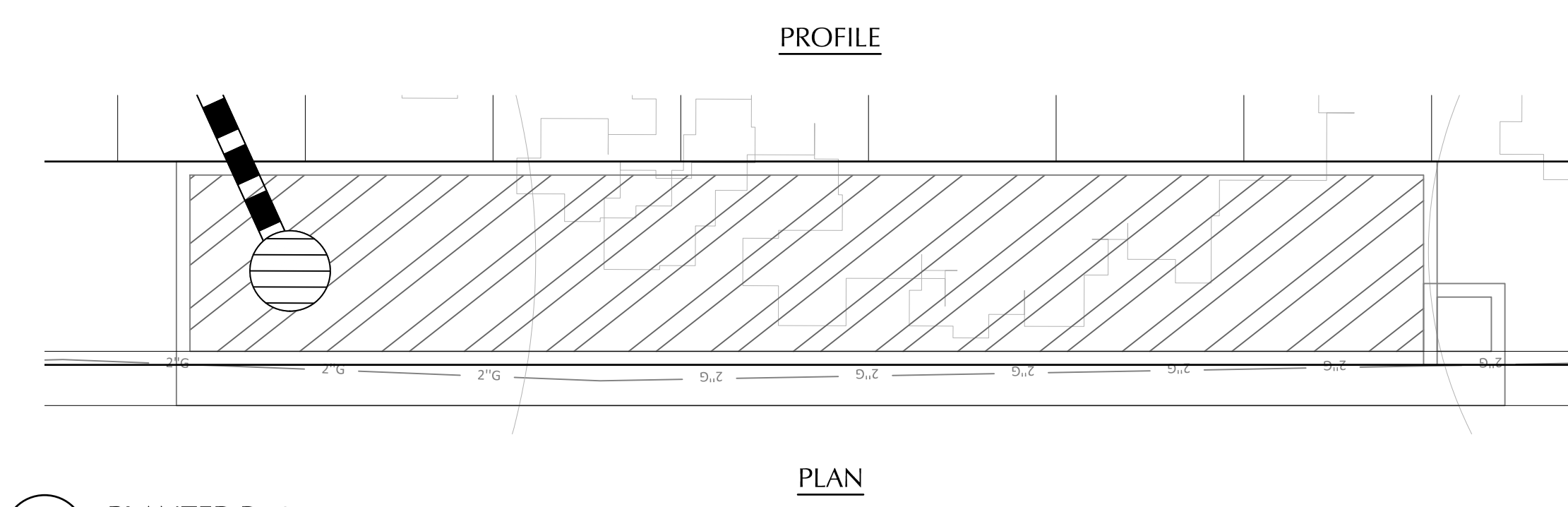
⊗ PLANTER B04  
SCALE: 1" = 5'



⊗ PLANTER B09  
SCALE: 1" = 5'

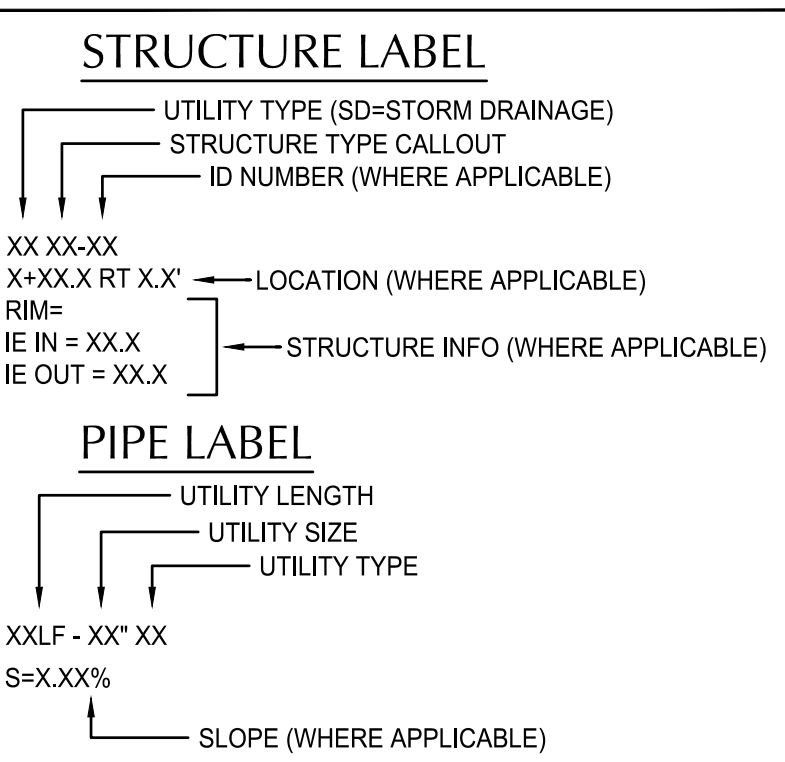


⊗ PLANTER B05  
SCALE: 1" = 5'



⊗ PLANTER B06  
SCALE: 1" = 5'

UTILITY LABEL LEGEND



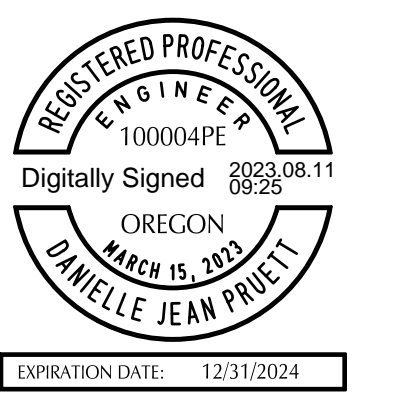
**STRUCTURE TYPE**

CALLOUT	DESCRIPTION	DETAIL REF.
CB	CATCH BASIN	
MH	MANHOLE	
OV	OVERFLOW INLET	

**BEAVERTON HIGH SCHOOL REBUILD**

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date	08/11/2023
project	21016

STORM PLANTER DETAILS

**ST11.3**



File: \\v\proj\k1\civil\projects\2021\01\0178-bad-beaverton-hs\CAD\PILOT\ROW\2100178-ST11-1-STRM-PLNTR-DTL.dwg TAB ST11.3  
 Plotted: 8/10/23 at 12:15pm By: dneidecker