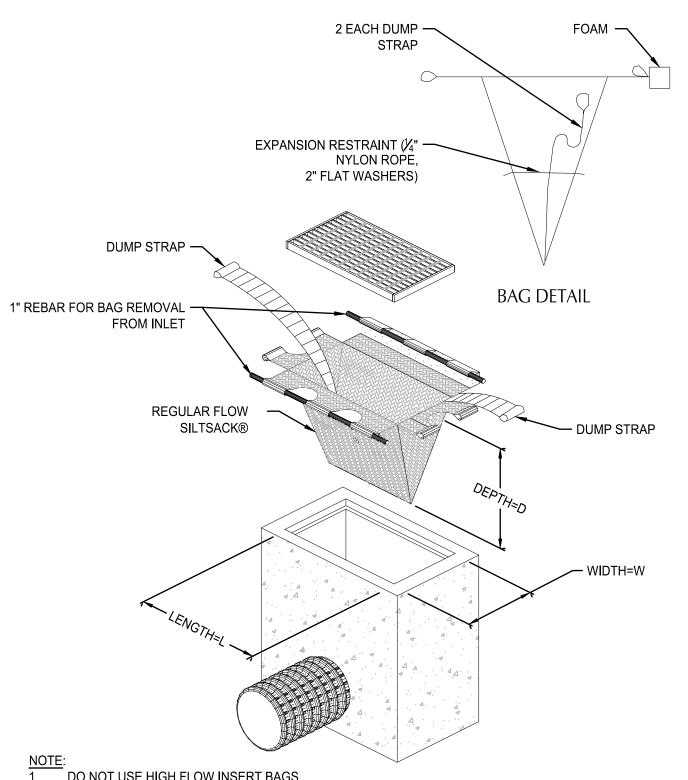


1. TEMPORARY FENCE SHALL BE PLACED AT 15' MIN RADIUS FROM TRUNK OF TREE TO BE SAVED. FENCE SHALL COMPLETELY ENCIRCLE TREE(S). INSTALL FENCE POSTS USING T-POST ONLY. AVOID DRIVING POSTS OR STAKES INTO MAJOR ROOTS.

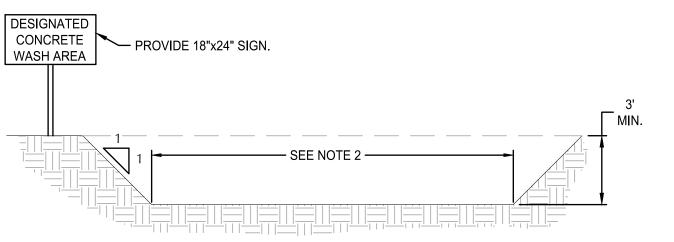
- 2. TREATMENT OF ROOTS EXPOSED DURING CONSTRUCTION: FOR ROOTS OVER 1" IN DIAMETER DAMAGED DURING CONSTRUCTION. MAKE A CLEAN STRAIGHT CUT TO REMOVE DAMAGED PORTION OF ROOT. ALL EXPOSED ROOTS SHALL BE TEMPORARILY COVERED WITH DAMP BURLAP TO PREVENT DRYING, AND COVERED WITH SOILS AS SOON AS POSSIBLE.
- 3. 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.
- 4. WITHIN CLEARING/GRADING LIMITS OR AT THE EDGE OF THE CLEARING/GRADING LIMITS, TREE PROTECTION MAY BE INSTALLED AROUND GROUPS OF TREES.

TREE PROTECTION - CONSTRUCTION FENCE



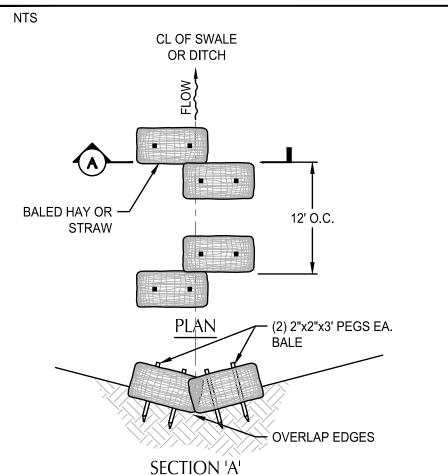
DO NOT USE HIGH FLOW INSERT BAGS. **INLET SEDIMENT PROTECTION**

SCALE: NTS



- 1. 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.
- 2. PROVIDE 3' X 3' MINIMUM WASHOUT AREA. INCREASES SIZE OR PROVIDE ADDITIONAL WASHOUTS AS REQUIRED TO ACCOMMODATE PROJECT CONDITIONS.
- 3. LOCATE WASHOUTS IN AREAS THAT WILL BE ACCESSIBLE TO CONCRETE TRUCKS.
- 4. FOR WASHOUTS LOCATED IN AREAS DESIGNATED TO RECEIVE HARDSCAPE, SOLIDS MAY BE BURIED IN PLACE. FOR OTHER APPLICATIONS, REMOVE AND DISPOSE OF SOLIDS.

CONCRETE WASHOUT



NOTES:
1. EMBED BALES 4" TO 6".

2. DRIVE STAKES MINIMUM 12" INTO GROUND SURFACE.

BIO-FILTER BAG SEDIMENT BARRIER IN DITCHES OR SWALES

SCALE: NTS

EXHIBIT 3.A.3.3 · ANGLE BOTH ENDS OF SEDIMENT FENCE TO ASSURE SOIL IS TRAPPED INTERLOCKED 2"X2" POSTS AND ATTACH (SEE TURNED ENDS CONNECTION) PLAN VIEW FILTER FABRIC FILTER FABRIC — 2"x2" WOOD POST OR STEEL FENCE POST

> – 6' MAX. – FRONT VIEW

FILTER

FABRIC

THE FILTER FABRIC SHALL BE (36" MIN. WIDTH) PURCHASED IN A CONTINUOUS ROLL CUT TO THE

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

MATERIAL FROM FILTER FABRIC FENCE INSTALLATION, SHALL BE BACKFILLED AND COMPACTED,

4. STANDARD OR HEAVY DUTY FILTER FABRIC SHALL HAVE MANUFACTURED STITCHED LOOPS FOR 2"x2" POST INSTALLATION. STITCHED LOOPS WITH STAKES SHALL BE INSTALLED ON THE DOWN-HILL SIDE

5. FILTER FABRIC FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT

6. 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

NOT BEFORE THE UP-SLOPE AREA HAS BEEN PERMANENTLY PROTECTED AND STABILIZED.

3. THE FILTER FABRIC SHALL HAVE A MINIMUM VERTICAL BURIAL OF 6-INCHES. ALL EXCAVATED

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"x2" POSTS AND ATTACH AS SHOWN

BACKFILL

TRENCH

MIN.

SIDE VIEW

36" MIN.

EXPOSURE







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SEDIMENT FENCE

IMMEDIATELY.

OF THE SLOPED AREA.

ON DETAIL SHEET.

GROUND A MINIMUM OF 24-INCHES.

ALONG THE ENTIRE DISTURBED AREA.

STITCHED

FLOW

POST

DETAIL FABRIC POST POCKET

TURNED ENDS

GEOTEXTILE END CONNECTIONS

FILTER

FABRIC

TOGETHER TO

FORM POST POCKET

> revisions LAND USE RESUBMITTAL phase SET

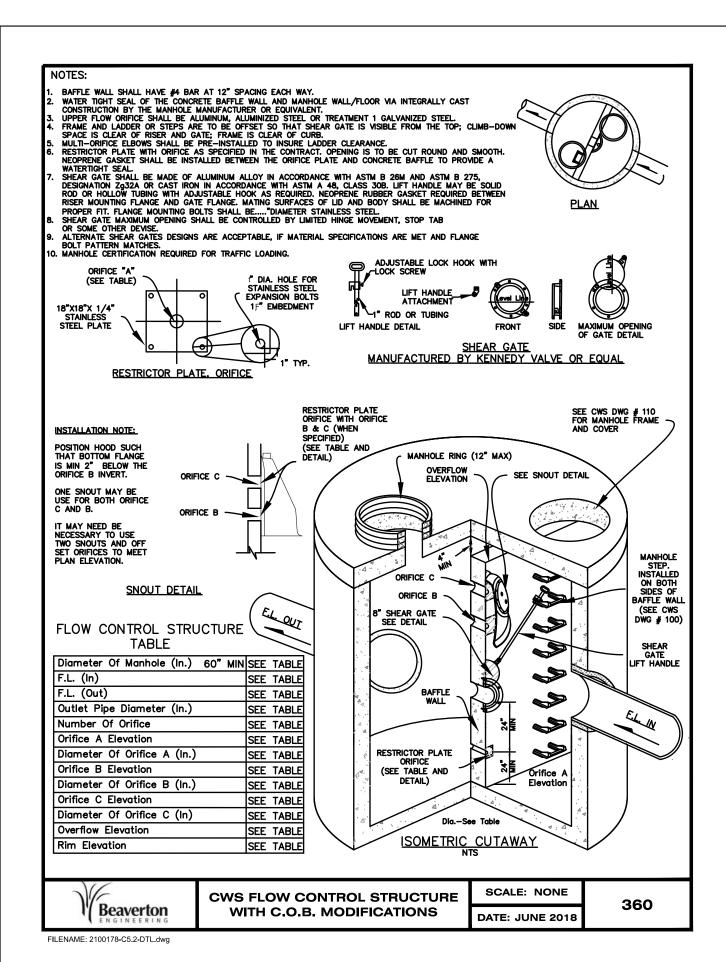
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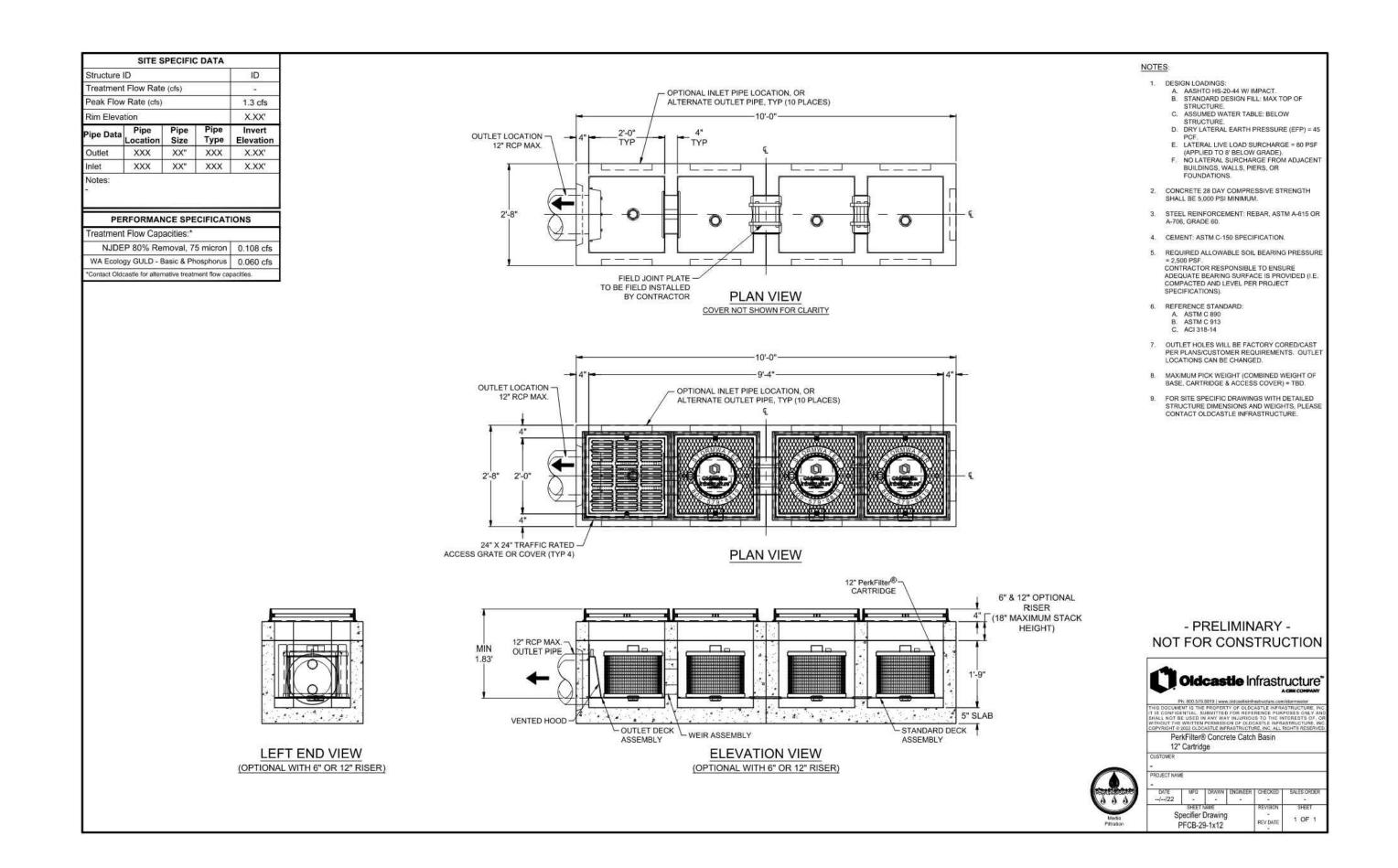
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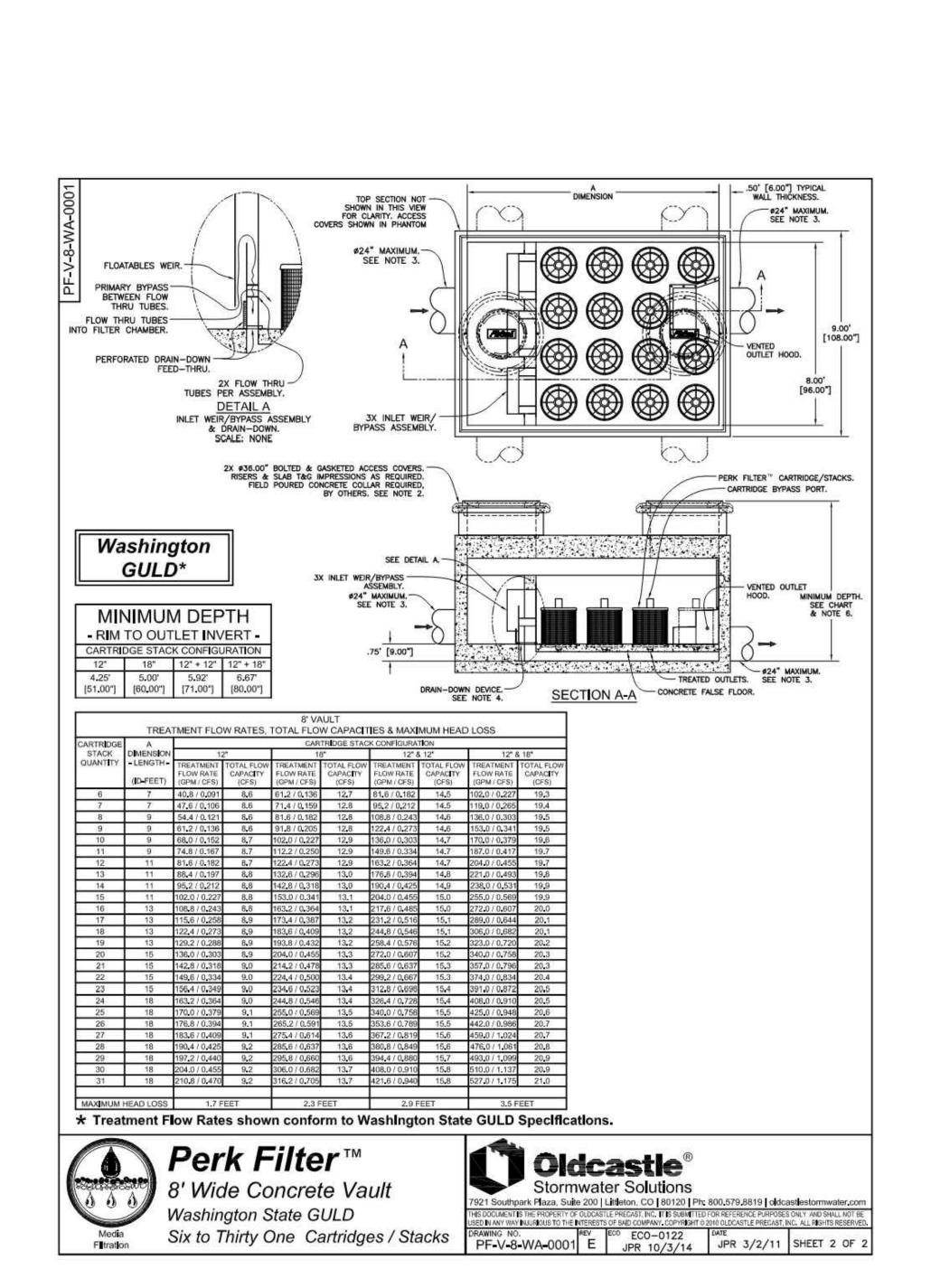
21016

08/11/2023



	FCMH-01	FCMH-02	FCMH-03	FCMH-04	FCMH-05	FCMH-06	FCMH-07	FCMH-08	FCMH-09	FCMH-10	FCMH-11	FCMH-12
DIAMETER OF MANHOLE (IN.) 60" MIN	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"	60"
F.L. (IN)	190.05	192.20	187.61	187.19	191.23	192.33	185.20	185.28	186.75	186.71	191.24	190.00
F.L. (OUT)	190.05	192.20	187.61	187.19	191.23	192.33	185.20	185.28	186.75	186.71	191.24	190.00
OUTLET PIPE DIAMETER (IN.)	12	12	12	12	12	12	12	12	12	12	12	12
NUMBER OF ORIFICE	2	2	2	2	2	2	2	2	2	2	2	2
ORIFICE A ELEVATION	190.05	192.20	187.61	186.19	190.23	192.33	184.20	184.28	185.75	185.71	191.24	189.00
DIAMETER OF ORIFICE A (IN.)	1.25	1.20	1.20	1.75	0.75	1.75	2	1.3	1.8	1	2.2	1.3
ORIFICE B ELEVATION	193.75	195.51	191.36	188.19	192.23	194.48	186.20	186.28	187.75	187.71	192.24	193.50
DIAMETER OF ORIFICE B (IN.)	12	12	12	12	12	12	12	12	12	12	12	12
ORIFICE C ELEVATION												
DIAMETER OF ORIFICE C (IN.)												
OVERFLOW ELEVATION												
RIM ELEVATION	195.34	202.20	192.21	192.86	194.69	202.80	190.84	190.63	192.36	192.22	195.73	196.53











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revisions

phase LAND USE RESUBMITTAL SET 08/11/2023

DETAILS

project

C5.21

21016

CONCRETE COLLAR ACCESS COVER -AND REBAR TO MEET HS20 IF APPLICABLE BY #-----CONTRACTOR VANED INLET GRATE ----(SOLID COVER OPTIONAL) INSIDE RIM INSIDE RIM COLLAR OUTSIDE RIM PLAN VIEW OPTIONAL SLOPED LID

SECTION A-A

FILTRATION

INLET STUB

(OPTIONAL)

BAY INLET

CLEANOUT

ACCESS PLUG

ON WEIR WALL

STORMFILTER CARTRIDGE

CARTRIDGE

CATCHBASIN FOOT (TYP, OF 4)

SUPPORT

FLOW KIT

PERMANENT

POOL ELEVATION

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

1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.

- 2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STORMFILTER CATCHBASIN STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR
- CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.contechES.com

 3. STORMFILTER CATCHBASIN WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
- 4. INLET SHOULD NOT BE LOWER THAN OUTLET. INLET (IF APPLICABLE) AND OUTLET PIPING TO BE SPECIFIED BY ENGINEER AND PROVIDED BY
- CONTRACTOR.

 5. 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.
 6. 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.

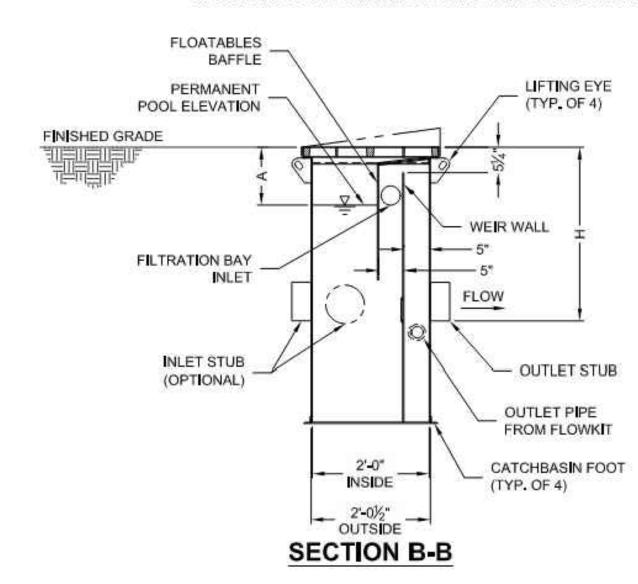
 7. STEEL STRUCTURE TO BE MANUFACTURED OF 1/4 INCH STEEL PLATE. CASTINGS SHALL MEET AASHTO M306 LOAD RATING. TO MEET HS20 LOAD
- RATING ON STRUCTURE, A CONCRETE COLLAR IS REQUIRED. WHEN REQUIRED, CONCRETE COLLAR WITH #4 REINFORCING BARS TO BE PROVIDED BY CONTRACTOR.
- FILTER CARTRIDGES SHALL BE MEDIA-FILLED, 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.

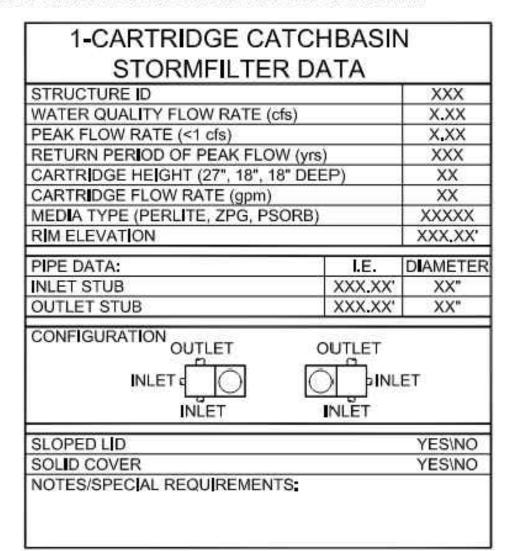
All All

A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.

- B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CATCHBASIN (LIFTING CLUTCHES
- C. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.

9. SPECIFIC FLOW RATE IS EQUAL TO THE FILTER TREATMENT CAPACITY (gpm) DIVIDED BY THE FILTER CONTACT SURFACE AREA (sq ft).







1 CARTRIDGE CATCHBASIN STORMFILTER STANDARD DETAIL







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	1

phase LAND USE RESUBMITTAL SET

date 08/11/2023 project 21016

DETAILS

C5.22

- ALL REFERENCES TO CLASS FOR II MATERIAL ARE PER ASTM D2321 "STANDARD PRACTICE FOR. UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST EDITION.
- 2. ALL RETENTION AND DETENTION SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, LATEST EDITION AND THE MANUFACTURER'S PUBLISHED INSTALLATION GUIDELINES.
- 3. MEASURES SHOULD BE TAKEN TO PREVENT THE MIGRATION OF NATIVE FINES INTO THE BACKFILL MATERIAL, WHEN REQUIRED, SEE ASTM D2321.
- 4. 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
- 5. 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.
- 6. BEDDING: SUITABLE MATERIAL SHALL BE CLASS FOR 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).
- 7. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS FOR 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.
- 8. MINIMUM COVER: MINIMUM COVER OVER ALL RETNETION/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.

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100000	MINAL	NOMINAL	TYPICAL	NOMINAL	TYPICAL SIDE	H	H
	METER	O.D.	SPACING "S"	SPACING "C"	WALL "X"	(NON-TRAFFIC)	(TRAFFIC)
(3	12*	14.5"	11"	25.5*	8*	12"	12"
	00mm)	(368mm)	(279mm)	(648mm)	(203mm)	(305mm)	(305mm)
(3	15"	18"	11.5°	29.0"	8"	12"	12"
	75mm)	(457mm)	(292mm)	(737mm)	(203mm)	(305mm)	(305mm)
(4	18"	21*	17.0"	38.0"	9"	12"	12"
	50mm)	(533mm)	(432mm)	(965mm)	(229mm)	(305mm)	(305mm)
(6	24"	28*	14.0"	41.5"	10"	12"	12"
	00mm)	(711mm)	(356mm)	(1054mm)	(254mm)	(305mm)	(305mm)
(7	30"	36*	18"	53.0"	18"	12"	12"
	50mm)	(914mm)	(457mm)	(1346mm)	(457mm)	(305mm)	(305mm)
(9	36"	42*	22*	63.0*	18"	12"	12"
	00mm)	(1067mm)	(559mm)	(1600mm)	(457mm)	(305mm)	(305mm)
(10	42"	48*	24"	72,0"	18"	12"	24"
	(50mm)	(1219mm)	(610mm)	(1829mm)	(457mm)	(305mm)	(610mm)
(12	48"	54*	25*	78.5*	18"	12"	24"
	200mm)	(1372mm)	(635mm)	(1994mm)	(457mm)	(305mm)	(610mm)
(15	60"	67*	24"	90"	18"	12"	24"
	(00mm)	(1702mm)	(610mm)	(2286mm)	(457mm)	(305mm)	(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

RETENTION-DETENTION SYSTEM (CROSS-SECTION)

ADVANCED DRAINAGE SYSTEMS, INC. STD-702 DRAWING NUMBER:

AWM 07.25.06 NTS OF

6640 TRUEMAN BLVD

HILLIARD, OHIO 43026

ARCHITECTURE, INC.





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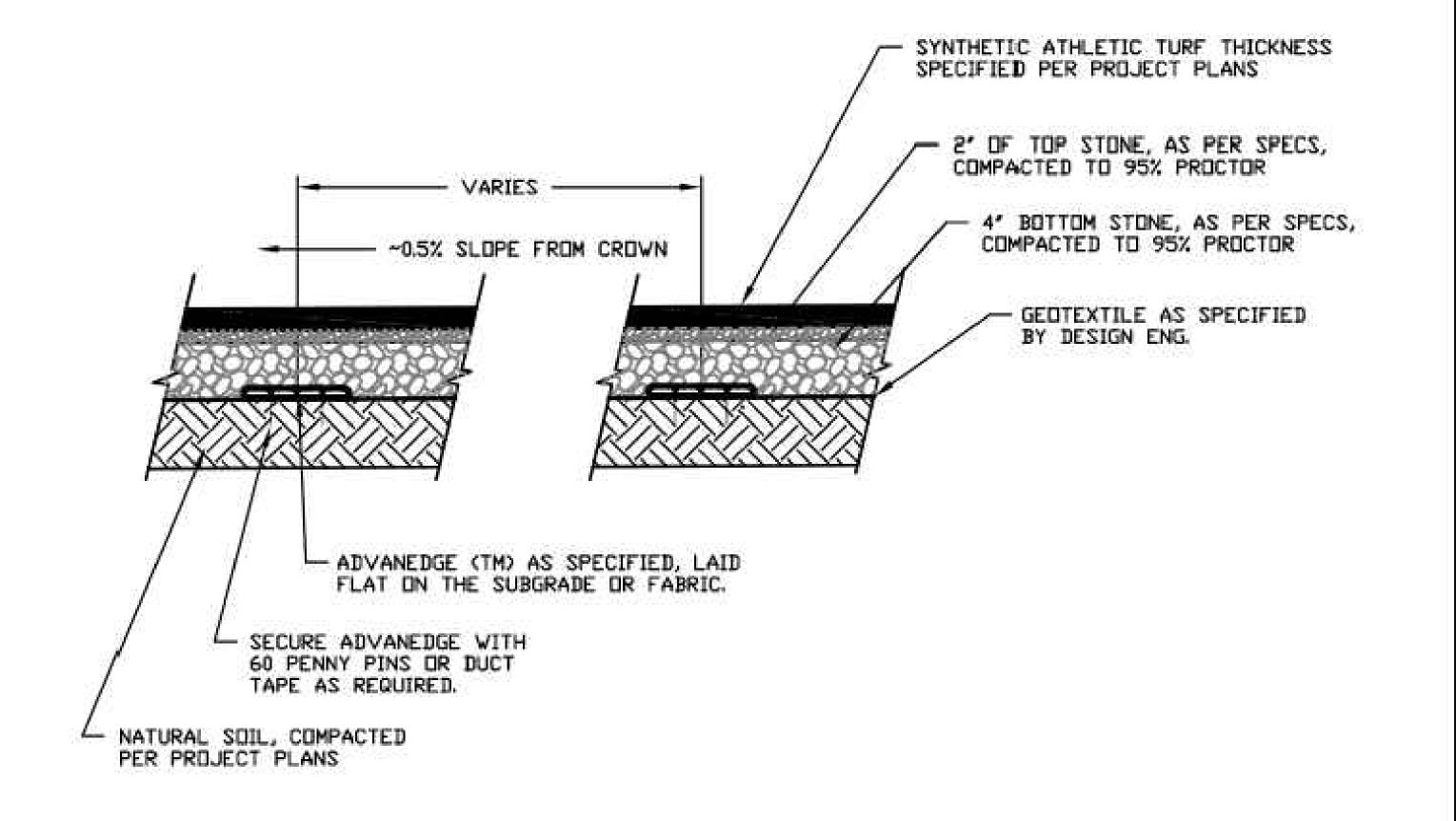
LAND USE RESUBMITTAL phase

08/11/2023 project 21016

DETAILS

C5.23

SYNTHETIC TRUF 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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1 FORMATTING UPDATES AND RENAMED TJR 03/09/16 REV. BY MM/DD/YY CHK'D DESCRIPTION SYNTHETIC TURF ATHLETIC FIELD

BRAIN PROFILE (ADVANEDGE)

DRAVING NUMBER STD-1222



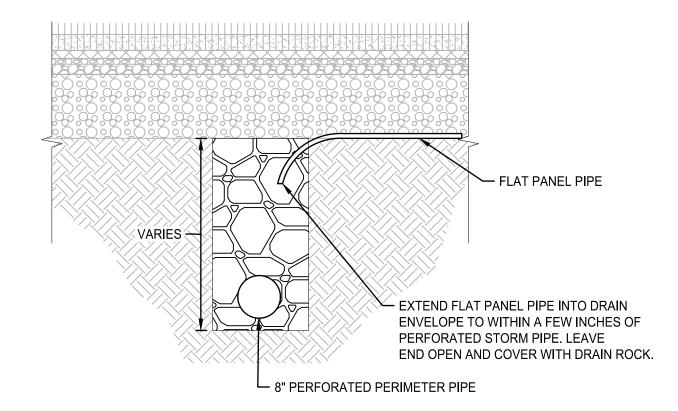
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NTS.

★ SYNTHETIC TURF SECTION BY OTHERS COMPACTED SUBGRADE DRAINAGE FILL └─ 8" PERFORATED PIPE

TURF FIELD DRAINAGE PERIMETER SECTION

FIELD DRAINAGE TRENCH



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







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DETAILS

- 2. VISUAL MONITORING INSPECTION REPORTS MUST BE MADE IN ACCORDANCE WITH DEQ 1200-C PERMIT REQUIREMENTS. (SECTION 6.5)
- 3. INSPECTION LOGS MUST BE KEPT IN ACCORDANCE WITH DEQ'S 1200-C PERMIT REQUIREMENTS. (SECTION 6.5.Q)
- 4. RETAIN A COPY OF THE ESCP AND ALL REVISIONS ON SITE AND MAKE IT AVAILABLE ON REQUEST TO DEQ, AGENT, OR THE LOCAL MUNICIPALITY. (SECTION 4.7)
- $5. \ \ \$ THE PERMIT REGISTRANT MUST IMPLEMENT THE ESCP. FAILURE TO IMPLEMENT ANY OF THE CONTROL MEASURES OR PRACTICES DESCRIBED IN THE ESCP IS A VIOLATION OF THE PERMIT. (SECTIONS 4 AND 4.11)
- 6. THE ESCP MUST BE ACCURATE AND REFLECT SITE CONDITIONS. (SECTION 4.8)
- 7. SUBMISSION OF ALL ESCP REVISIONS IS NOT REQUIRED. SUBMITTAL OF THE ESCP REVISIONS IS ONLY UNDER SPECIFIC CONDITIONS. SUBMIT ALL NECESSARY REVISION TO DEQ OR AGENT WITHIN 10 DAYS. (SECTION 4.9)
- 8. SEQUENCE CLEARING AND GRADING TO THE MAXIMUM EXTENT PRACTICAL TO PREVENT EXPOSED INACTIVE AREAS FROM BECOMING A SOURCE OF EROSION. (SECTION 2.2.2)
- 9. CREATE SMOOTH SURFACES BETWEEN SOIL SURFACE AND EROSION AND SEDIMENT CONTROLS TO PREVENT STORMWATER FROM BYPASSING CONTROLS AND PONDING. (SECTION 2.2.3)
- 10. IDENTIFY, MARK, AND PROTECT (BY CONSTRUCTION FENCING OR OTHER MEANS) CRITICAL RIPARIAN AREAS AND VEGETATION INCLUDING IMPÓRTANT TREES AND ASSOCIATED ROOTING ZONES, AND VEGETATION AREAS TO BE PRESERVED. IDENTIFY VEGETATIVE BUFFER ZONES BETWEEN THE SITE AND SENSITIVE AREAS (E.G., WETLANDS), AND OTHER AREAS TO BE PRESERVED, ESPECIALLY IN PERIMETER AREAS. (SECTION 2.2.1)
- 11. PRESERVE EXISTING VEGETATION WHEN PRACTICAL AND RE-VEGETATE OPEN AREAS. RE-VEGETATE OPEN AREAS WHEN PRACTICABLE BEFORE AND AFTER GRADING OR CONSTRUCTION. IDENTIFY THE TYPE OF VEGETATIVE SEED MIX USED. (SECTION
- 12. MAINTAIN AND DELINEATE ANY EXISTING NATURAL BUFFER WITHIN THE 50-FEET OF WATERS OF THE STATE. (SECTION 2.2.4)
- 13. INSTALL PERIMETER SEDIMENT CONTROL, INCLUDING STORM DRAIN INLET PROTECTION AS WELL AS ALL SEDIMENT BASINS, TRAPS, AND BARRIERS PRIOR TO LAND DISTURBANCE. (SECTIONS 2.1.3)
- 14. CONTROL BOTH PEAK FLOW RATES AND TOTAL STORMWATER VOLUME. TO MINIMIZE EROSION AT OUTLETS AND DOWNSTREAM CHANNELS AND STREAMBANKS. (SECTIONS 2.1.1. AND 2.2.16)
- 15. CONTROL SEDIMENT AS NEEDED ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL STORM DRAIN INLETS AT ALL TIMES DURING CONSTRUCTION, BOTH INTERNALLY AND AT THE SITE BOUNDARY. (SECTIONS 2.2.6 AND 2.2.13)
- 16. ESTABLISH CONCRETE TRUCK AND OTHER CONCRETE EQUIPMENT WASHOUT AREAS BEFORE BEGINNING CONCRETE WORK.
- 17. APPLY TEMPORARY AND/OR PERMANENT SOIL STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS AS GRADING PROGRESSES. TEMPORARY OR PERMANENT STABILIZATIONS MEASURES ARE NOT REQUIRED FOR AREAS THAT ARE INTENDED TO BE LEFT UNVEGETATED, SUCH AS DIRT ACCESS ROADS OR UTILITY POLE PADS. (SECTIONS 2, 2, 20 AND 2, 2, 2, 1)
- 18. ESTABLISH MATERIAL AND WASTE STORAGE AREAS, AND OTHER NON-STORMWATER CONTROLS. (SECTION 2.3.7)
- 19. KEEP WASTE CONTAINER LIDS CLOSED WHEN NOT IN USE AND CLOSE LIDS AT THE END OF THE BUSINESS DAY FOR THOSE CONTAINERS THAT ARE ACTIVELY USED THROUGHOUT THE DAY. FOR WASTE CONTAINERS THAT DO NOT HAVE LIDS, PROVIDE EITHER (1) COVER (E.G., A TARP, PLASTIC SHEETING, TEMPORARY ROOF) TO PREVENT EXPOSURE OF WASTES TO PRECIPITATION, OR (2) A SÍMILARLY EFFECTIVE MEANS DESIGNED TO PREVENT THE DISCHARGE OF POLLUTANTS (E.G., SECONDARY CONTAINMENT). (SECTION
- 20. PREVENT TRACKING OF SEDIMENT ONTO PUBLIC OR PRIVATE ROADS USING BMPS SUCH AS: CONSTRUCTION ENTRANCE, GRAVELED (OR PAVED) EXITS AND PARKING AREAS, GRAVEL ALL UNPAVED ROADS LOCATED ONSITE, OR USE AN EXIT TIRE WASH. THESE BMPS MUST BE IN PLACE PRIOR TO LAND- DISTURBING ACTIVITIES. (SECTION 2.2.7)
- 21. WHEN TRUCKING SATURATED SOILS FROM THE SITE, EITHER USE WATER-TIGHT TRUCKS OR DRAIN LOADS ON SITE. (SECTION 2.2.7.F)
- 22. CONTROL PROHIBITED DISCHARGES FROM LEAVING THE CONSTRUCTION SITE, I.E., CONCRETE WASH-OUT, WASTEWATER FROM CLEANOUT OF STUCCO, PAINT AND CURING COMPOUNDS. (SECTIONS 1.5 AND 2.3.9)
- 23. ENSURE THAT STEEP SLOPE AREAS WHERE CONSTRUCTION ACTIVITIES ARE NOT OCCURRING ARE NOT DISTURBED. (SECTION 2.2.10)
- 24. PREVENT SOIL COMPACTION IN AREAS WHERE POST-CONSTRUCTION INFILTRATION FACILITIES ARE TO BE INSTALLED. (SECTION
- 25. USE BMPS TO PREVENT OR MINIMIZE STORMWATER EXPOSURE TO POLLUTANTS FROM SPILLS; VEHICLE AND EQUIPMENT FUELING, MAINTENANCE, AND STORAGE; OTHER CLEANING AND MAINTENANCE ACTIVITIES; AND WASTE HANDLING ACTIVITIES. THESE POLLUTANTS INCLUDE FUEL. HYDRAULIC FLUID. AND OTHER OILS FROM VEHICLES AND MACHINERY. AS WELL AS DEBRIS. FERTILIZER. PESTICIDES AND HERBICIDES, PAINTS, SOLVENTS, CURING COMPOUNDS AND ADHESIVES FROM CONSTRUCTION OPERATIONS. (SECTIONS 2.2.15 AND 2.3)
- 26. PROVIDE PLANS FOR SEDIMENTATION BASINS THAT HAVE BEEN DESIGNED PER SECTION 2.2.17 AND STAMPED BY AN OREGON PROFESSIONAL ENGINEER. (SEE SECTION 2.2.17.A)
- 27. IF ENGINEERED SOILS ARE USED ON SITE, A SEDIMENTATION BASIN/IMPOUNDMENT MUST BE INSTALLED. (SEE SECTIONS 2.2.17 AND
- 28. PROVIDE A DEWATERING PLAN FOR ACCUMULATED WATER FROM PRECIPITATION AND UNCONTAMINATED GROUNDWATER SEEPAGE DUE TO SHALLOW EXCAVATION ACTIVITIES. (SEE SECTION 2.4)
- 29. IMPLEMENT THE FOLLOWING BMPS WHEN APPLICABLE: WRITTEN SPILL PREVENTION AND RESPONSE PROCEDURES, EMPLOYEE TRAINING ON SPILL PREVENTION AND PROPER DISPOSAL PROCEDURES, SPILL KITS IN ALL VEHICLES, REGULAR MAINTENANCE SCHEDULE FOR VEHICLES AND MACHINERY, MATERIAL DELIVERY AND STORAGE CONTROLS, TRAINING AND SIGNAGE, AND COVERED STORAGE AREAS FOR WASTE AND SUPPLIES. (SECTION 2.3)
- 30. USE WATER, SOIL-BINDING AGENT OR OTHER DUST CONTROL TECHNIQUE AS NEEDED TO AVOID WIND-BLOWN SOIL. (SECTION 2.2.9)
- 31. THE APPLICATION RATE OF FERTILIZERS USED TO REESTABLISH VEGETATION MUST FOLLOW MANUFACTURER'S RECOMMENDATIONS TO MINIMIZE NUTRIENT RELEASES TO SURFACE WATERS. EXERCISE CAUTION WHEN USING TIME-RELEASE FERTILIZERS WITHIN ANY WATERWAY RIPARIAN ZONE. (SECTION 2.3.5)
- 32. IF AN ACTIVE TREATMENT SYSTEM (FOR EXAMPLE, ELECTRO-COAGULATION, FLOCCULATION, FILTRATION, ETC.) FOR SEDIMENT OR OTHER POLLUTANT REMOVAL IS EMPLOYED, SUBMIT AN OPERATION AND MAINTENANCE PLAN (INCLUDING SYSTEM SCHEMATIC, LOCATION OF SYSTEM, LOCATION OF INLET, LOCATION OF DISCHARGE, DISCHARGE DISPERSION DEVICE DESIGN, AND A SAMPLING PLAN AND FREQUENCY) BEFORE OPERATING THE TREATMENT SYSTEM. OBTAIN ENVIRONMENTAL MANAGEMENT PLAN APPROVAL FROM DEQ BEFORE OPÉRATING THE TREATMENT SYSTEM. OPERATE AND MAINTAIN THE TREATMENT SYSTEM ACCORDING TO MANUFACTURER'S SPECIFICATIONS. (SECTION 1.2.9)
- 33. TEMPORARILY STABILIZE SOILS AT THE END OF THE SHIFT BEFORE HOLIDAYS AND WEEKENDS, IF NEEDED. THE REGISTRANT IS RESPONSIBLE FOR ENSURING THAT SOILS ARE STABLE DURING RAIN EVENTS AT ALL TIMES OF THE YEAR. (SECTION 2.2)
- 34. AS NEEDED BASED ON WEATHER CONDITIONS, AT THE END OF EACH WORKDAY SOIL STOCKPILES MUST BE STABILIZED OR COVERED OR OTHER BMPS MUST BE IMPLEMENTED TO PREVENT DISCHARGES TO SURFACE WATERS OR CONVEYANCE SYSTEMS LEADING TO
- 35. SEDIMENT FENCE: REMOVE TRAPPED SEDIMENT BEFORE IT REACHES ONE THIRD OF THE ABOVE GROUND FENCE HEIGHT AND BEFORE FENCE REMOVAL. (SECTION 2.1.5.B)
- 36. OTHER SEDIMENT BARRIERS (SUCH AS BIOBAGS): REMOVE SEDIMENT BEFORE IT REACHES TWO INCHES DEPTH ABOVE GROUND HEIGHT AND BEFORE BMP REMOVAL. (SECTION 2.1.5.C)
- 37. CATCH BASINS: CLEAN BEFORE RETENTION CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT. SEDIMENT BASINS AND SEDIMENT TRAPS: REMOVE TRAPPED SEDIMENTS BEFORE DESIGN CAPACITY HAS BEEN REDUCED BY FIFTY PERCENT AND AT COMPLETION OF
- 38. WITHIN 24 HOURS, SIGNIFICANT SEDIMENT THAT HAS LEFT THE CONSTRUCTION SITE, MUST BE REMEDIATED. INVESTIGATE THE CAUSE OF THE SEDIMENT RELEASE AND IMPLEMENT STEPS TO PREVENT A RECURRENCE OF THE DISCHARGE WITHIN THE SAME 24 HOURS. ANY IN-STREAM CLEAN-UP OF SEDIMENT SHALL BE PERFORMED ACCORDING TO THE OREGON DEPARTMENT OF STATE LANDS REQUIRED TIMEFRAME. (SECTION 2.2.19.A)
- 39. THE INTENTIONAL WASHING OF SEDIMENT INTO STORM SEWERS OR DRAINAGE WAYS MUST NOT OCCUR. VACUUMING OR DRY SWEEPING AND MATERIAL PICKUP MUST BE USED TO CLEANUP RELEASED SEDIMENTS. (SECTION 2.2.19)
- 40. DOCUMENT ANY PORTION(S) OF THE SITE WHERE LAND DISTURBING ACTIVITIES HAVE PERMANENTLY CEASED OR WILL BE TEMPORARILY INACTIVE FOR 14 OR MORE CALENDAR DAYS. (SECTION 6.5.F.)
- . PROVIDE TEMPORARY STABILIZATION FOR THAT PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES CEASE FOR 14 DAYS OR MORE WITH A COVERING OF BLOWN STRAW AND A TACKIFIER, LOOSE STRAW, OR AN ADEQUATE COVERING OF COMPOST MULCH UNTIL WORK RESUMES ON THAT PORTION OF THE SITE. (SECTION 2.2.20)
- 42. DO NOT REMOVE TEMPORARY SEDIMENT CONTROL PRACTICES UNTIL PERMANENT VEGETATION OR OTHER COVER OF EXPOSED AREAS IS ESTABLISHED, ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED, ALL TEMPORARY EROSION CONTROLS AND RETAINED SOILS MUST BE REMOVED AND DISPOSED OF PROPERLY, UNLESS NEEDED FOR LONG TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE. (SECTION 2.2.21)

EROSION AND SEDIMENT CONTROL PLANS OWNER BEAVERTONS CONTACT: MEGAN FULLER

THE PERMITTEE IS REQUIRED TO MEET ALL THE CONDITIONS OF THE 1200-C PERMIT. THIS ESCP AND GENERAL CONDITIONS HAVE BEEN DEVELOPED TO FACILITATE COMPLIANCE WITH THE 1200-C PERMIT REQUIREMENTS. IN CASES OF DISCREPANCIES OR OMISSIONS, THE 1200-C PERMIT REQUIREMENTS SUPERCEDE REQUIREMENTS OF THIS PLAN.

BMP MATRIX FOR CONSTRUCTION PHASES

REFER TO DEQ GUIDANCE MANUAL FOR A COMPREHENSIVE LIST OF AVAILABLE BMP'S

	CLEARING	GRADING	UTILITY INSTALL.	ROAD CONSTR.	FINAL STABILIZATION
BIOBAGS	**X	Х	X	X	X
BIO SWALES					
CHECK DAMS					
COMPOST BERMS					
COMPOST BLANKETS					
COMPOST SOCKS					
CONCRETE TRUCK WASHOUT			Х		
CONSTRUCTION ENTRANCE	**X	Х	Х	Х	Х
DEWATERING					
DRAINAGE SWALES					
DUST CONTROL		Х	Х	Х	Х
EARTH DIKES					
ENERGY DISSIPATERS					
EROSION CONTROL BLANKETS & MATS (JUTE MATTING)		Х	Х	Х	Х
HYDROSEEDING		Х	Х	Х	Х
MULCHES					
MYCORRHIZAE / BIOFERTILIZERS					
NATURAL BUFFER ZONE					
ORANGE CONSTRUCTION FENCING	**X	Х	Х	Х	Х
OUTLET PROTECTION					
PERMANENT SEEDING AND PLANTING					Х
PIPE SLOPE DRAINS					
PLASTIC SHEETING		Х			Х
PRESERVE EXISTING VEGETATION	X	Х	Х	Х	Х
SEDIMENT FENCING	**X	Х	Х	Х	Х
SEDIMENT BARRIER					
SEDIMENT TRAP					
SODDING					
SOIL TACKIFIERS					
STORM DRAIN INLET PROTECTION	**X	Х	Х	Х	Х
STRAW WATTLES (OR OTHER MATERIALS)	**X	Х	Х	Х	Х
TEMPORARY DIVERSION DIKES					
TEMPORARY OR PERMANENT SEDIMENTATION BASINS					
TEMPORARY SEEDING AND PLANTING		Х	Х	Х	Х
TREATMENT SYSTEM					
UNPAVED ROADS GRAVELED OR OTHER BMP ON THE					
ROAD					
VEGETATIVE FILTER STRIPS					

^{** =} SIGNIFIES BMP THAT WILL BE INSTALLED PRIOR TO ANY GROUND DISTURBING ACTIVITY.

RAIN GAUGE

NEAREST RAIN GAUGE ID: Beaverton - RAIN GAGE AT BEAVERTON CITY HALI LOCATION: Beaverton, OR LATITUDE = 45.48° NORTH

LONGITUDE = 122.80° WEST {COORDINATES FROM US Geological Survey (usgs.com)

PROJECT LOCATION

SITE DESCRIPTION

SOIL CONTAMINATION

DEVELOPED CONDITIONS

DISTRICT #48

41067C0531E.

(SECTION 1.2.9)

SPORTS FIELDS.

EXISTING SITE CONDITIONS

PROPERTY IN THE SE 1/4 OF THE NE 1/4 OF SECTION 16, TOWNSHIP 1 SOUTH, RANGE 1 WEST OF THE WILLAMETTE MERIDIAN, CITY OF BEAVERTON, WASHINGTON COUNTY, OREGON

PROPERTY DESCRIPTION

TAXLOT 1S116AC02150 (WASHINGTON COUNTY TAX MAP)

13000 SW 2ND ST BEAVERTON, OREGON 97005

LATITUDE = 45°29'09.69" NORTH LONGITUDE = 122°48'38.65" WEST {coordinates from Google Earth}

THE PROPERTY IS CURRENTLY AN OPERATING HIGH SCHOOL FOR BEAVERTON SCHOOL

FLOOD NOTE: THE MAJORITY OF THE PROPERTY SHOWN HEREON APPEARS TO LIE WITHIN

OTHER AREA ZONE X. A SMALL PORTION OF THE SW CORNER OF THE SITE LIES WITHIN SFHA

ZONE AE AND OTHER FLOOD AREA ZONE X. THIS WAS DETERMINED PER FIRM MAP NUMBER

CONTAMINATED SOILS NOT EXPECTED ON-SITE PER THE ECSI DATABASE. IF CONTAMINATED

ONSITE: CAMPUS IMPROVEMENTS INCLUDING A NEW SCHOOL BUILDING, PARKING LOT AND

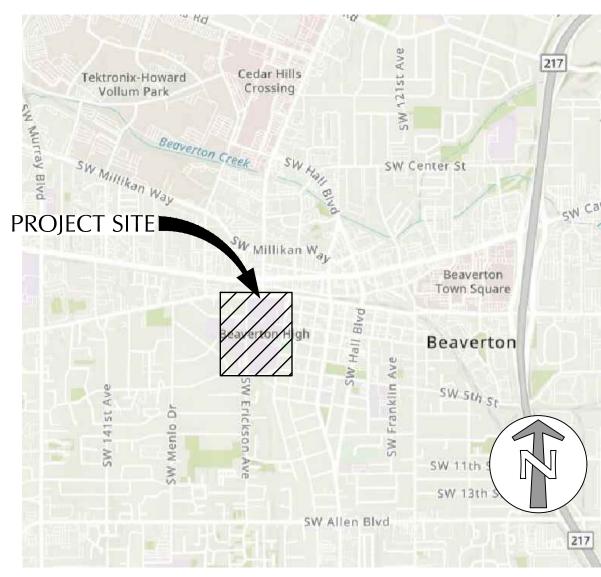
THE REMAINDER OF THE PROPERTY WILL REMAIN THE SAME.

- PERVIOUS AREA (SPORTS FIELDS, LANDSCAPING)

- IMPERVIOUS AREA (ROAD AND SIDEWALK)

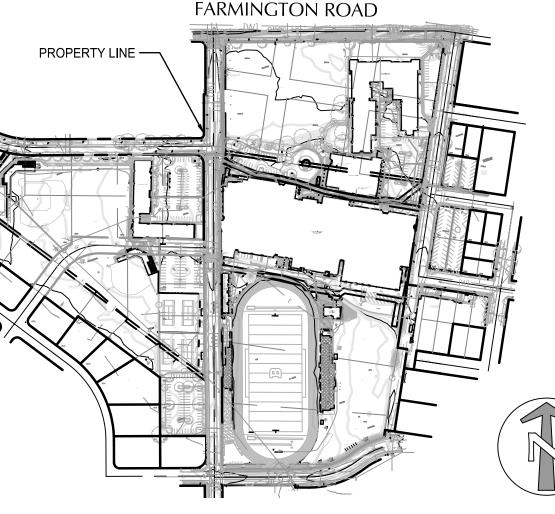
- IMPERVIOUS AREA (BUILDING, SIDEWALKS, PARKING LOTS)

SOILS ARE DISCOVERED, AN ENVIRONMENTAL MANAGEMENT PLAN WILL BE REQUIRED.



VICINITY MAP

SCALE: NTS



SITE MAP SCALE: NTS

RECEIVING WATER BODIES:

THE ENTIRE PROPERTY DISCHARGES TO ERICKSON CREEK WHICH IS A TRIBUTARY OF BEAVERTON CREEK. BEAVERTON CREEK IS LISTED ON THE 303(d) IMPACTED WATER BODY LIST EXISTING SOILS: 45A - WOODBURN SILT LOAM, 0 TO 3 PERCENT SLOPES & 15 - DAYTON SILT FOR TEMPERATURE AND DISSOLVED OXYGEN.

> IMPACTED MUNICIPAL STORM SYSTEM THE ONSITE AND OFFSITE IMPROVEMENTS WILL IMPACT THE EXISTING REGIONAL WATER QUALITY FACILITY AT THE BEAVERTON ROUND.

CONSTRUCTION SUPPORT ACTIVITY ONSITE ACTIVITIES WILL BE LIMITED TO THE DISTURBED AREA OF APPROXIMATELY 22 ACRES.

NATURE OF CONSTRUCTION ACTIVITY AND ESTIMATED TIME TABLE

OFFSITE ACTIVITIES WILL BE LIMITED TO THE DISTURBED AREA OF APPROXIMATELY 3 ACRES.

= 804,679 SF = 18.5 ACRES CLEARING AND GRADING: (MAR 2024 - MAR 2027) = 336,377 SF = 7.7 ACRES UTILITY AND ROAD INSTALLATION, FINAL STABILIZATION: (MAR 2024 - JULY 2027)

OFFSITE: ROAD AND SIDEWALK ADJUSTMENT WITH ASSOCIATED STORM IMPROVEMENTS THE REMAINDER OF THE PROPERTY WILL REMAIN THE SAME.

ENGINEERED FILL - GRADED MIXTURE OF CRUSHED GRAVEL, STONE AND SAND = 106.525 SF = 2.4 ACRES CONTROLLED LOW STRENGTH MATERIAL - HIGHLY FLOWABLE LEAN CONCRETE MIX

TEMPORARY SEED MIX OPTIONS

OPTION 1 - DWARF GRASS MIX (MIN. 100 LB./AC.) - DWARF PERENNIAL RYEGRASS (80% BY WEIGHT) - CREEPING RED FESCUE (20% BY WEIGHT)

OPTION 2 - STANDARD HEIGHT GRASS MIX (MIN. 100 LB./AC.) - ANNUAL RYEGRASS (40% BY WEIGHT)

- TURF-TYPE FESCUE (60% BY WEIGHT)

ENGINEERED SOILS:

IF ENGINEERED SOILS ARE IMPLEMENTED ON-SITE DURING CONSTRUCTION, AN ENGINEERED SEDIMENT BASIN AND pH MONITORING WILL BE REQUIRED. (SECTIONS 2.2.17, 2.2.18, AND 6.6)

16550 SW MERLO ROAD

BRIC ARCHITECTURE, INC

PORTLAND, OREGON 97209

DESCRIPTION OF EXPERIENCE

CONDITIONS

. ACTIVE

PERIOD

INACTIVE

FOURTEEN

GREATER THAN

CONSECUTIVE

. PERIODS

THE SITE IS

INACCESSIBLE

DURING WHICH

CONSTRUCTION

ACTIVITIES ARE

UNLIKELY DUE

TO FROZEN

CONDITIONS.

PERIODS

DURING WHICH

ACTIVITIES ARE

CONDUCTED

UNLIKELY

AND RUNOFF IS

DURING FROZEN

SHEET INDEX

TITLE

C6.00

C6.01

C6.03

SHEET | SHEET

NO.

ATTENTION EXCAVATORS

CONDITIONS.

CONSTRUCTION

SUSPENDED AND RUNOFF

DUE TO

INCLEMENT

WEATHER I. PERIODS

CALENDAR DAYS

DURING WHICH

PERIODS

INSPECTION FREQUENCY

1233 NW NORTHRUP STREE, SUITE

PERMITEE'S SITE INSPECTOR

E-MAIL:

COMMENCE.

DISCHARGE FROM THE SITE.

THEN ONCE PER MONTH.

RECEIVING WATERBODY

CONTACT: DAN HESS

PHONE: 503-595-4903

PHONE: 503-356-4318

ARCHITECT

BEAVERTON, OREGON 97003

AUTHORIZED NON-STORMWATER DISCHARGES:

THERE IS A POTENTIAL NEED FOR DUST CONTROL DURING DRY MONTHS. THERE IS A POTENTIAL THAT WATER USED TO CONTROL DUST WILL DISCHARGE FROM THE SITE AFTER PASSING THROUGH PERIMETER ESC MEASURES. CONSTRUCTION DEWATERING ACTIVITIES ARE ANTICIPATED FOR THIS PROJECT BASED UPON GROUNDWATER DEPTH AND EXCAVATION DEPTH. (SECTION 1.4)

POLLUTANT-GENERATING ACTIVITIES:

POLLUTANT-GENERATING ACTIVITIES ARE NOT EXPECTED ON-SITE. ON-SITE FUEL STORAGE IS NOT ALLOWED. (SECTION 2.4)

SPILLS SHALL BE STOPPED EXPEDITIOUSLY, CONTAINED AND CLEANED UP AND DISPOSED OF OFFSITE AT AN APPROVED FACILITY (SECTION 4.4.e.xxi). DISCHARGE OF HAZARDOUS SUBSTANCES SHALL BE IMMEDIATELY REPORTED TO THE OREGON EMERGENCY RESPONSE SYSTEM AT (800) 452-0311 (SECTION 2.3.10).

ENGINEER KPFF CONSULTING ENGINEERS CONTACT: ERIC MELLE, PE 111 SW FIFTH AVENUE, SUITE 2600 PORTLAND, OREGON 97204 PHONE: 503-542-3806 **SURVEYOR**

KPFF CONSULING ENGINEERS

100 111 SW FIFTH AVENUE, SUITE 2600

CONTACT: TROW TETSUKA

PORTLAND, OREGON 97204

PHONE: 503-542-3843

KPFF CONSULTING ENGINEERS

O:503-227-3860 D:503-542-3806

MINIMUM FREQUENCY

ON INITIAL DATE THAT LAND DISTURBANCE ACTIVITIES

WITHIN 24 HOURS OF ANY STORM EVENT. INCLUDING

RUNOFF FROM SNOW MELT, THAT RESULTS IN

AT LEAST ONCE EVERY 14 DAYS, REGARDLESS OF

WHETHER STORMWATER RUNOFF IS OCCURRING.

THE INSPECTOR MAY REDUCE THE FREQUENCY OF

INSPECTIONS IN ANY AREA OF THE SITE WHERE THE

STABILIZATION STEPS IN SECTION 2.2.20 HAVE BEEN

COMPLETED TO TWICE PER MONTH FOR THE FIRST

MONTH, NO LESS THAN 14 CALENDAR DAYS APART,

IF SAFE, ACCESSIBLE AND PRACTICAL, INSPECTIONS

TEMPORARILY SUSPENDED. IMMEDIATELY RESUME

MONITORING UPON THAWING, OR WHEN WEATHER

VISUAL MONITORING INSPECTIONS MAY BE REDUCED

MONITORING UPON THAWING, OR WHEN WEATHER

MUST OCCUR DAILY AT A RELEVANT DISCHARGE

POINT OR DOWNSTREAM LOCATION OF THE

VISUAL MONITORING INSPECTIONS MAY BE

CONDITIONS MAKE DISCHARGES LIKELY.

TO ONCE A MONTH. IMMEDIATELY RESUME

CONDITIONS MAKE DISCHARGES LIKELY.

OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE

OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN

OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES

CENTER. YOU MUST NOTIFY THE CENTER AT LEAST TWO BUSINESS DAYS,

SHEET DESCRIPTION

EROSION CONTROL PLANS

EROSION CONTROL PLANS

EROSION CONTROL PLANS

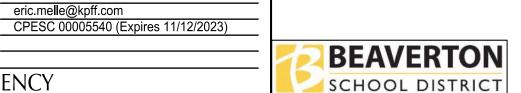
EROSION CONTROL PLANS

1200C COVER SHEET

OF THESE RULES FROM THE CENTER BY CALLING 503-232-1987. IF YOU

HAVE ANY QUESTIONS ABOUT THE RULES, YOU MAY CONTACT THE

BEFORE COMMENCING AN EXCAVATION. CALL 503-246-6699.





ARCHITECTURE, INC

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

503-356-4500



revisions

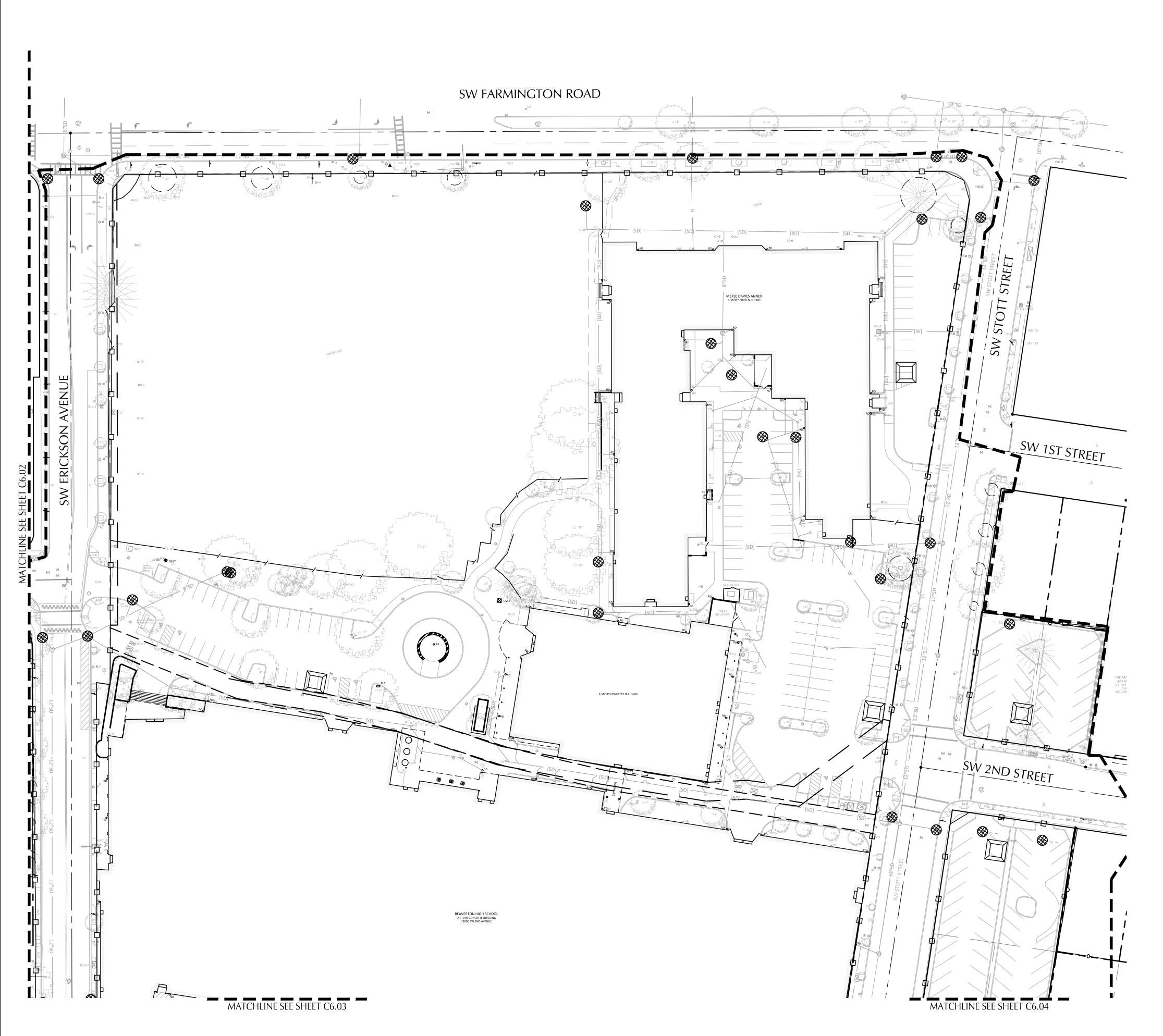
LAND USE RESUBMITTAL 08/11/2023

1200C COVER SHEET

project

1,247,580 SF = 28.6 ACRES

TOTAL SITE AREA









BIO-BAG PROTECTION IN DITCHES 4
C5.10

EXTENT OF WORK (SHOWN OFFSET FOR CLARITY)

SEDIMENT CONTROL FENCE.
PLACE AT PROPERTY LINES, UNO (SHOWN OFFSET FOR CLARITY).

DRAINAGE FLOW DIRECTION

INLET PROTECTION

PROPERTY LINE

SHEET LEGEND

TREE PROTECTION FENCE

CONCRETE WASHOUT —



BEAVERTON HIGH SCHOOL REBUILD

13000 SW 2ND STREET BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT

T 503-356-4500



revisions

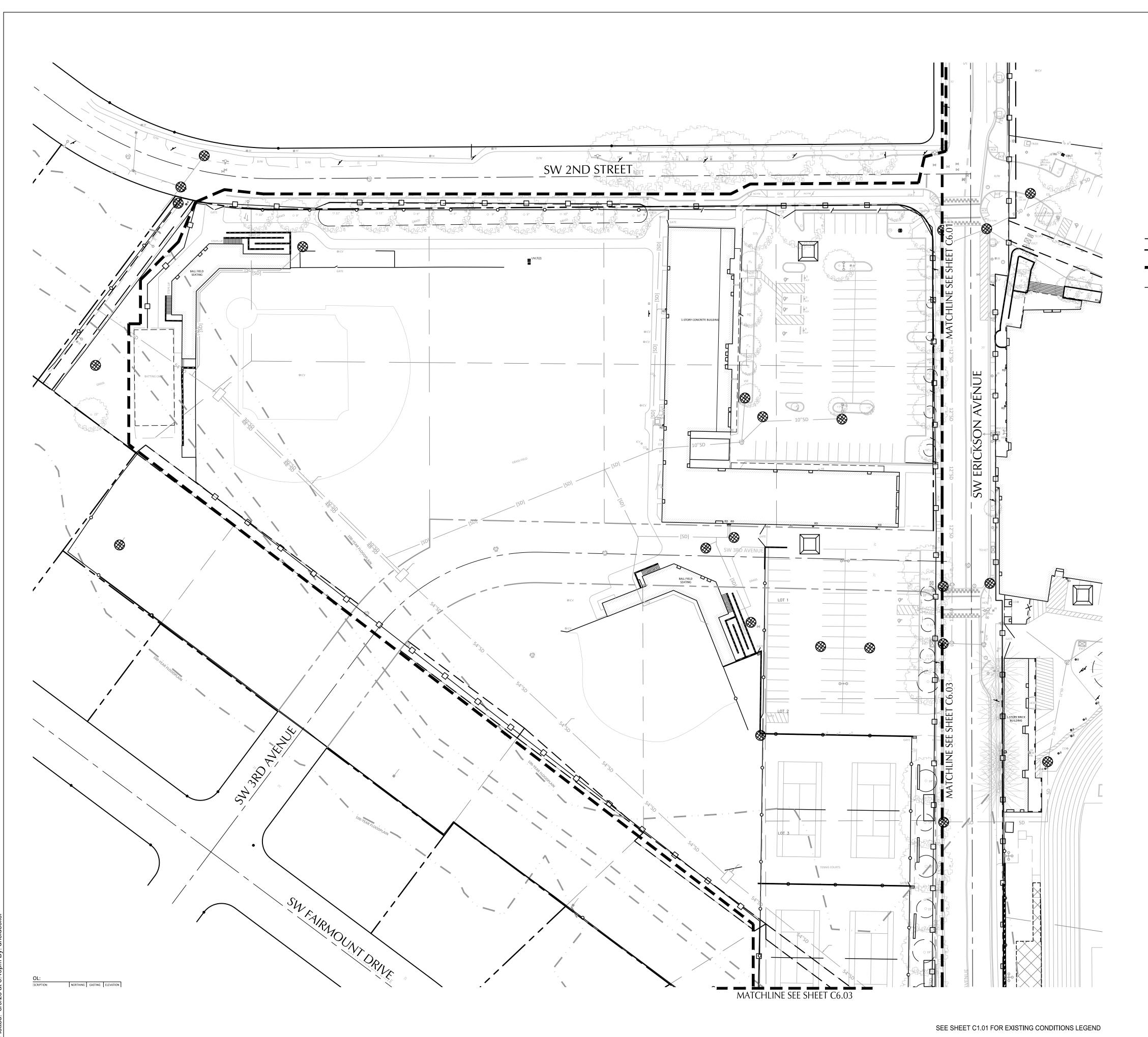
LAND USE RESUBMITTAL SET phase 08/11/2023 21016 project

EROSION CONTROL PLANS

C6.01

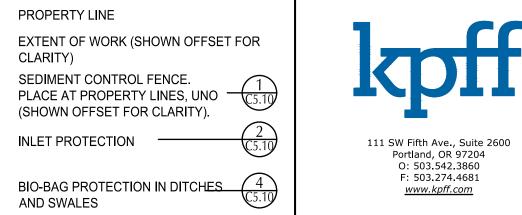












BEAVERTON HIGH SCHOOL REBUILD

13000 SW 2ND STREET BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT

T 503-356-4500



revisions LAND USE RESUBMITTAL phase

EROSION CONTROL PLANS

08/11/2023 21016

project

C6.02



SHEET LEGEND

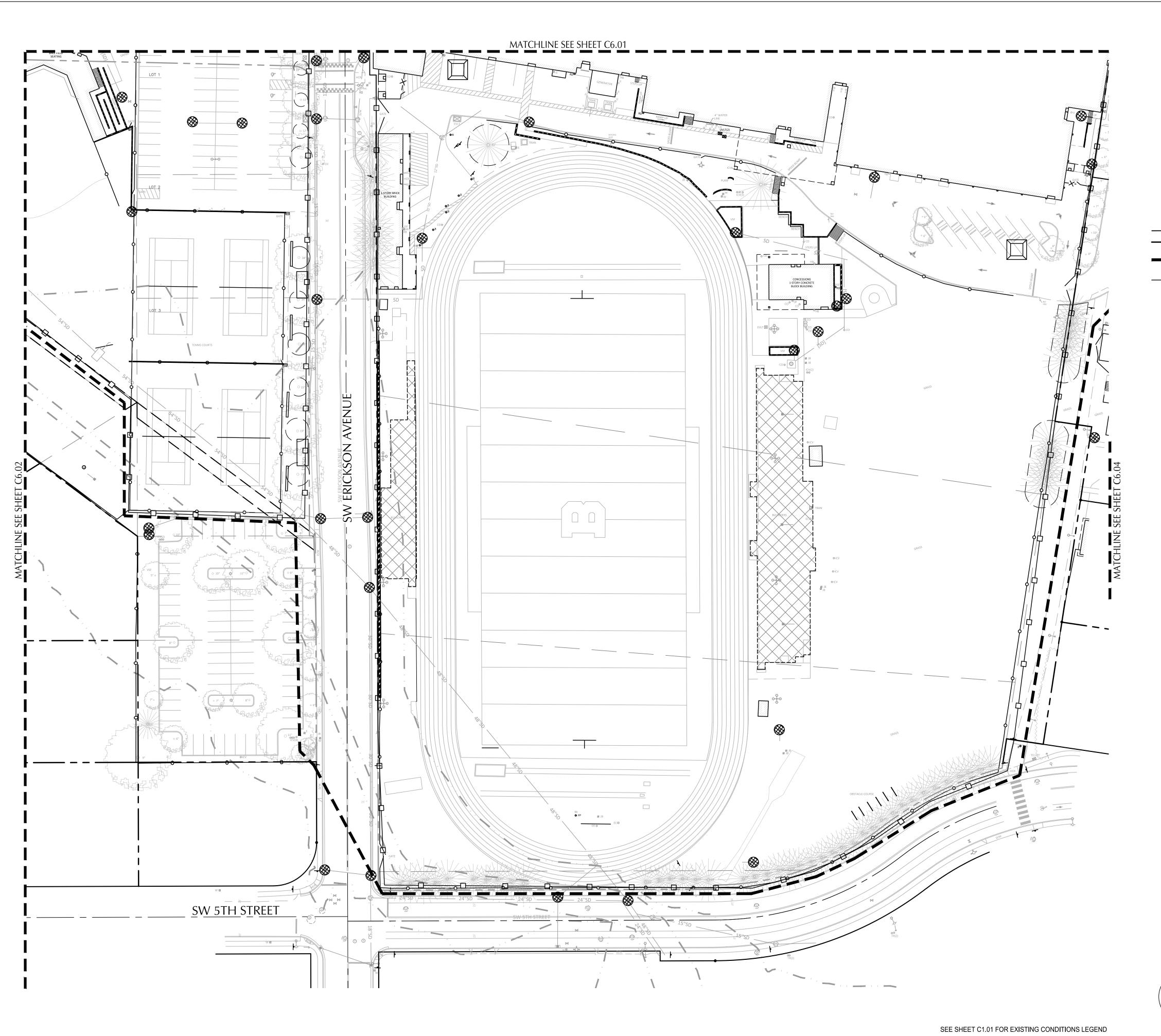
PROPERTY LINE

DRAINAGE FLOW DIRECTION

TREE PROTECTION FENCE

CONCRETE WASHOUT ———











BIO-BAG PROTECTION IN DITCHES 4 AND SWALES C5.10

EXTENT OF WORK (SHOWN OFFSET FOR CLARITY)

SEDIMENT CONTROL FENCE.
PLACE AT PROPERTY LINES, UNO (SHOWN OFFSET FOR CLARITY).

DRAINAGE FLOW DIRECTION

INLET PROTECTION

PROPERTY LINE

TREE PROTECTION FENCE

CONCRETE WASHOUT —

SHEET LEGEND

BEAVERTON HIGH

SCHOOL REBUILD

13000 SW 2ND STREET BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT

T 503-356-4500



revisions

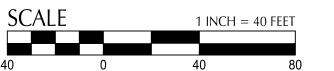
phase LAND USE RESUBMITTAL SET

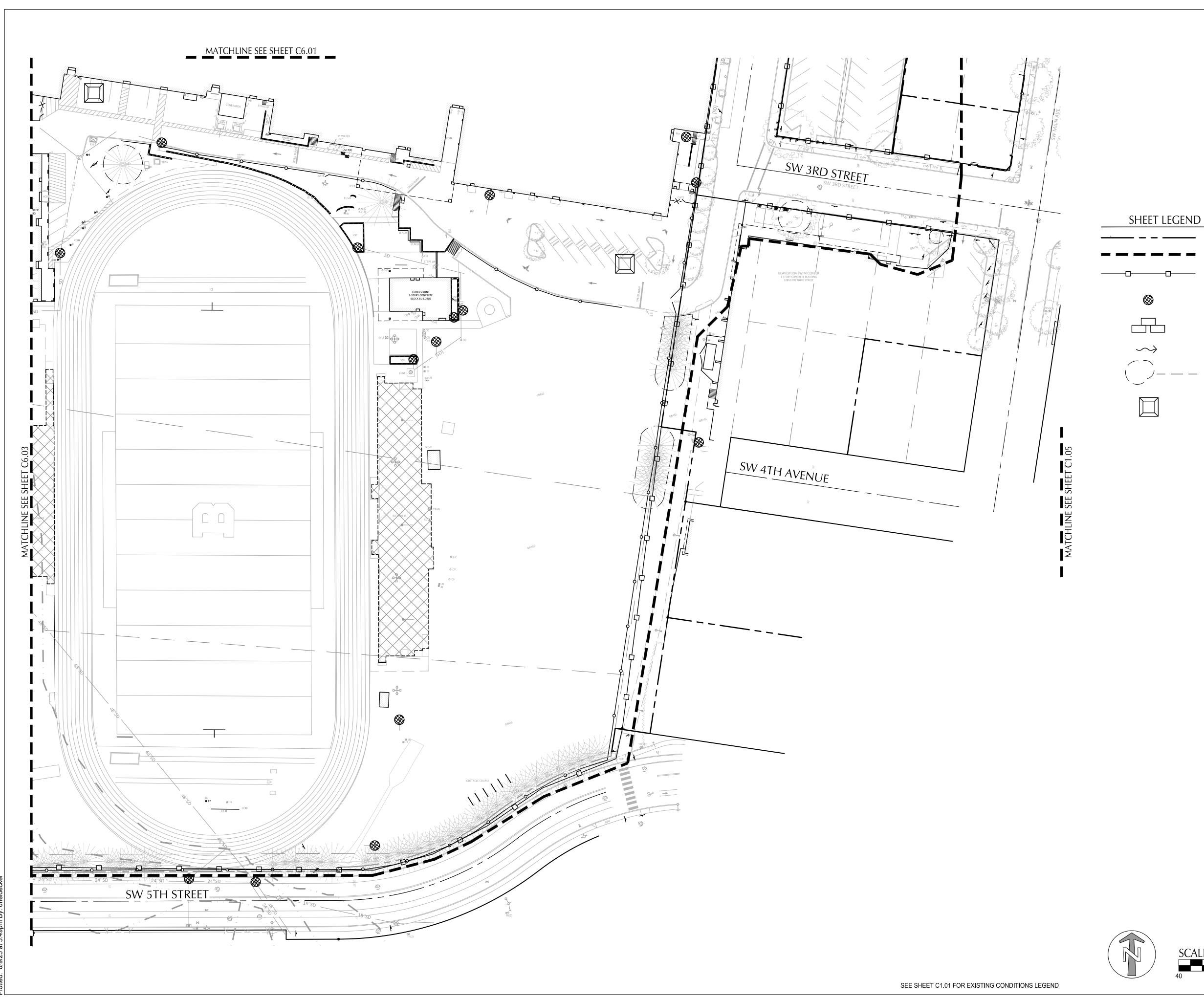
date 08/11/2023 21016

EROSION CONTROL PLANS

C6.03













BIO-BAG PROTECTION IN DITCHES 4
C5.10

EXTENT OF WORK (SHOWN OFFSET FOR CLARITY)

SEDIMENT CONTROL FENCE.
PLACE AT PROPERTY LINES, UNO (SHOWN OFFSET FOR CLARITY).

DRAINAGE FLOW DIRECTION

PROPERTY LINE

INLET PROTECTION

TREE PROTECTION FENCE

CONCRETE WASHOUT —

BEAVERTON HIGH SCHOOL REBUILD

13000 SW 2ND STREET BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT

T 503-356-4500



revisions

hase LAND USE RESUBMITTAL SET

date 08/11/2023 project 21016

EROSION CONTROL PLANS

C6.04

BEAVERTON HIGH SCHOOL REPLACEMENT

BEAVERTON, OREGON

50% DESIGN DRAWING SET

GENERAL NOTES

- SURVEY PROVIDED BY KPFF INC., DATED NOVEMBER 3, 2022. ELEVATIONS ARE BASED ON BEAVERTON VERTICAL DATUM ESTABLISHED PER BENCH MARK NO. 386, BEING A BRASS DISK SET AT THE EAST END OF THE CONCRETE BOX CULVERT FOR BEAVERTON CREEK, ON THE SOUTH SIDE OF SW CANYON ROAD, APPROXIMATELY 300 FEET EAST OF SW LOMBARD AVENUE. BASIS OF BEARINGS FOR THIS SURVEY IS THE OREGON COORDINATE REFERENCE SYSTEM (OCRS), PORTLAND ZONE, THE RESULTANT BEARING OF THE CENTERLINE OF SW FARMINGTON ROAD IS NORTH 89°48'22" EAST.
- CONSTRUCTION LAYOUT (ALL ACTUAL LINES AND GRADES) SHALL BE STAKED BY A PROFESSIONAL SURVEYOR, REGISTERED IN THE STATE OF OREGON, BASED ON COORDINATES, DIMENSIONS, BEARINGS, AND ELEVATIONS, AS SHOWN, ON THE PLANS.
- PROJECT CONTROL SHALL BE FIELD VERIFIED AND CHECKED FOR RELATIVE HORIZONTAL POSITION PRIOR TO BEGINNING CONSTRUCTION LAYOUT. SEE SHEET ST1.1 FOR PROJECT CONTROL INFORMATION.
- PROJECT CONTROL SHALL BE FIELD VERIFIED AND CHECKED FOR RELATIVE VERTICAL POSITION BASED ON THE BENCHMARK STATED HEREON, PRIOR TO BEGINNING CONSTRUCTION LAYOUT.
- WHEN DIMENSIONS AND COORDINATE LOCATIONS ARE REPRESENTED DIMENSIONS SHALL HOLD OVER COORDINATE LOCATION. NOTIFY THE CIVIL ENGINEER OF RECORD IMMEDIATELY UPON DISCOVERY OF ANY DISCREPANCIES.
- BUILDING SETBACK DIMENSIONS FROM PROPERTY LINES SHALL HOLD OVER ALL OTHER CALLOUTS. PROPERTY LINES AND ASSOCIATED BUILDING SETBACKS SHALL BE VERIFIED PRIOR TO CONSTRUCTION
- CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING MONUMENTATION DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT OF ANY MONUMENTS DAMAGED OR REMOVED DURING CONSTRUCTION. NEW MONUMENTS SHALL BE REESTABLISHED BY A LICENSED SURVEYOR.
- SOME SITE DEMOLITION AND UTILITY RELOCATION HAS BEEN PERFORMED. SURVEY MAY NOT BE COMPLETE OR ACCURATE. CONTRACTOR TO VERIFY EXISTING SITE CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF THE ENGINEER PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR TO REFERENCE SOILS REPORT BY GRI DATED 06/09/2017 FOR THE SITE SOILS CONDITIONS.
- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THESE PLANS, THE PROJECT SPECIFICATIONS AND THE APPLICABLE REQUIREMENTS OF THE 2022 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION.
- THE COMPLETED INSTALLATION SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES ORDINANCES AND REGULATIONS. ALL PERMITS, LICENSES AND INSPECTIONS REQUIRED BY THE GOVERNING AUTHORITIES FOR THE EXECUTION AND COMPLETION OF WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO COMMENCING CONSTRUCTION.
- ATTENTION: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503) 232-1987). EXCAVATORS MUST NOTIFY ALL PERTINENT COMPANIES OR AGENCIES WITH UNDERGROUND UTILITIES IN THE PROJECT AREA AT LEAST 48 BUSINESS-DAY HOURS, BUT NOT MORE THAN 10 BUSINESS DAYS PRIOR TO COMMENCING AN EXCAVATION, SO UTILITIES MAY BE ACCURATELY LOCATED.
- THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. CONTRACTOR SHALL VERIFY ELEVATIONS, PIPE SIZE, AND MATERIAL TYPES OF ALL UNDERGROUND UTILITIES PRIOR TO COMMENCING WITH CONSTRUCTION AND SHALL BRING ANY DISCREPANCIES TO THE ATTENTION OF KPFF CONSULTING ENGINEERS, 72 HOURS PRIOR TO START OF CONSTRUCTION TO PREVENT GRADE AND ALIGNMENT CONFLICTS.
- THE ENGINEER OR OWNER IS NOT RESPONSIBLE FOR THE SAFETY OF THE CONTRACTOR OR HIS CREW. ALL O.S.H.A. REGULATIONS SHALL BE STRICTLY ADHERED TO IN THE PERFORMANCE OF THE WORK.
- TEMPORARY AND PERMANENT EROSION CONTROL MEASURES SHALL BE IMPLEMENTED. THE CONTRACTOR SHALL ADHERE TO CITY OF TUALATIN/CWS EROSION PREVENTION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL FOR MINIMUM EROSION CONTROL MEASURES. THE ESC FACILITIES SHOWN IN THESE PLANS ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT LEAVE THE SITE.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL ROADWAYS, KEEPING THEM CLEAN AND FREE OF CONSTRUCTION MATERIALS AND DEBRIS, AND PROVIDING DUST CONTROL AS REQUIRED.
- F-17.│ TRAFFIC CONTROL SHALL BE PROVIDED BY THE CONTRACTOR THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN TO TIGARD-TUALATIN SCHOOL DISTRICT FOR REVIEW AND APPROVAL PRIOR TO COMMENCING CONSTRUCTION.
- \succeq 18. \mid CONTRACTOR SHALL MAINTAIN ALL UTILITIES TO BLDG. AT ALL TIMES DURING CONSTRUCTION.
- ર્જા19.| THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ALL WORK WITH THE
- . NOTIFY TIGARD-TUALATIN SCHOOL DISTRICT INSPECTOR 72 HOURS BEFORE STARTING WORK. A PRECONSTRUCTION MEETING WITH THE OWNER, THE OWNER'S ENGINEER, CONTRACTOR AND THE TIGARD-TUALATIN SCHOOL DISTRICT REPRESENTATIVE SHALL BE REQUIRED.

EARTHWORKS

- CONTRACTOR SHALL PREVENT SEDIMENTS AND SEDIMENT LADEN WATER FROM ENTERING THE STORM DRAINAGE SYSTEM.
- TRENCH BEDDING AND BACKFILL SHALL BE AS SHOWN ON THE PIPE BEDDING AND BACKFILL DETAIL, THE PROJECT SPECIFICATIONS AND AS REQUIRED IN THE SOILS REPORT. FLOODING OR JETTING THE BACKFILLED TRENCHES WITH WATER WILL NOT BE PERMITTED.

SEE PLANS AND DETAILS FOR SIDEWALK FINISHING AND SCORING PATTERNS.

CONSTRUCTION NOTES

- 1. ACTUAL LINES AND GRADES SHALL BE STAKED BY A PROFESSIONAL SURVEYOR, REGISTERED IN THE STATE OF OREGON, BASED ON DIMENSIONS, ELEVATIONS AND BEARINGS AS SHOWN ON THE PLANS.
- 2. SPECIAL INSPECTION REQUIRED FOR ALL COMPACTION TESTING.

DEMOLITION

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEMOLITION AND DISPOSAL OF EXISTING AC, CURBS, SIDEWALKS AND OTHER SITE ELEMENTS WITHIN THE SITE AREA IDENTIFIED IN THE PLANS.
- 2. EXCEPT FOR MATERIALS INDICATED TO BE STOCKPILED OR TO REMAIN ON OWNER'S PROPERTY, CLEARED MATERIALS SHALL BECOME CONTRACTOR'S PROPERTY, REMOVED FROM THE SITE, AND DISPOSED OF
- 3. ITEMS INDICATED TO BE SALVAGED SHALL BE CAREFULLY REMOVED AND DELIVERED STORED AT THE PROJECT SITE AS DIRECTED BY THE OWNER.
- 4. ALL LANDSCAPING, PAVEMENT, CURBS AND SIDEWALKS, BEYOND THE IDENTIFIED SITE AREA, DAMAGED DURING THE CONSTRUCTION SHALL BE REPLACED TO THEIR ORIGINAL CONDITION OR BETTER
- 5. CONCRETE SIDEWALKS SHOWN FOR DEMOLITION SHALL BE REMOVED TO THE NEAREST EXISTING CONSTRUCTION JOINT.
- 6. SAWCUT STRAIGHT MATCHLINES TO CREATE A BUTT JOINT BETWEEN THE EXISTING AND NEW PAVEMENT
- 7. CONTRACTOR MAY STAGE WITHIN LIMITS OF DEMOLITION.
- REMOVE ALL SITE COMPONENTS AND RECYCLE COMPONENTS AS REQUIRED IN THE SPECIFICATIONS
- GENERAL DEMOLITION PERMIT SHALL BE SECURED BY THE CONTRACTOR
- 10. ALL TRADE LICENSES AND PERMITS NECESSARY FOR THE PROCUREMENT AND COMPLETION OF THE WORK SHALL BE SECURED BY THE CONTRACTOR PRIOR TO COMMENCING DEMOLITION.
- 11. THE CONTRACTOR SHALL PRESERVE AND PROTECT FROM DAMAGE ALL EXISTING RIGHT-OF-WAY SURVEY MONUMENTATION DURING DEMOLITION. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND PAYING FOR THE REPLACEMENT BY A LICENSED SURVEYOR OF ANY DAMAGED OR REMOVED MONUMENTS.
- 12. PROTECT ALL ITEMS ON ADJACENT PROPERTIES AND IN THE RIGHT OF WAY INCLUDING BUT NOT LIMITED TO SIGNAL EQUIPMENT, PARKING METERS, SIDEWALKS, STREET TREES, STREET LIGHTS, CURBS, PAVEMENT AND SIGNS. CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY DAMAGED ITEMS TO ORIGINAL
- 13. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, AND OTHER FACILITIES IMMEDIATELY ADJACENT TO EXCAVATIONS FROM DAMAGES CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS.
- 14. SAWCUT STRAIGHT LINES IN SIDEWALK, AS NECESSARY
- 15. CONTRACTOR IS RESPONSIBLE TO CONTROL DUST AND MUD DURING THE DEMOLITION PERIOD. AND DURING TRANSPORTATION OF DEMOLITION DEBRIS. ALL STREET SURFACES OUTSIDE THE CONSTRUCTION ZONE MUST BE KEPT CLEAN.

UTILITIES

- 1. ADJUST ALL INCIDENTAL STRUCTURES, MANHOLES, VALVE BOXES, CATCH BASINS, FRAMES AND COVERS, ETC.
- 2. CONTRACTOR SHALL ADJUST ALL EXISTING AND/OR NEW FLEXIBLE UTILITIES (WATER, TV, TELEPHONE, ELEC., ETC.) TO CLEAR ANY EXISTING OR NEW GRAVITY DRAIN UTILITIES (STORM DRAIN, SANITARY SEWER, ETC.) IF CONFLICT OCCURS.
- 3. CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY COMPANIES FOR THE INSTALLATION OF OR ADJUSTMENT TO GAS, ELECTRICAL, POWER AND TELEPHONE SERVICE.
- 4. BEFORE BACKFILLING ANY SUBGRADE UTILITY IMPROVEMENTS. CONTRACTOR SHALL SURVEY AND RECORD MEASUREMENTS OF EXACT LOCATION AND DEPTH AND SUBMIT TO ENGINEER AND OWNER.
- 5. ALL WORK TO CONFORM TO THE 2022 OREGON PLUMBING SPECIALTY CODE

STORM AND SANITARY

- CONNECTIONS TO EXISTING STORM AND SANITARY SEWERS SHALL CONFORM TO THE 2022 OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION, SECTION 00490, "WORK ON EXISTING SEWERS AND
- 2. BEGIN LAYING STORM DRAIN AND SANITARY SEWER PIPE AT THE LOW POINT OF THE SYSTEM. TRUE TO GRADE AND ALIGNMENT INDICATED WITH UNBROKEN CONTINUITY OF INVERT. THE CONTRACTOR SHALL ESTABLISH LINE AND GRADE FOR THE STORM AND SANITARY PIPE USING A LASER.
- 3. ACTUAL LINES AND GRADES SHALL BE STAKED BY A QUALIFIED SURVEYOR, BASED ON COORDIANTES, DIMENSIONS, AND BEARINGS INDICATED ON THE PLANS. CONCTRACTOR SHALL RETAIN A SURVEYOR LICENSED IN THE STATE OF OREGON.
- 4. ALL ROOF DRAINS AND CATCH BASIN LEADERS SHALL HAVE A MINIMUM SLOPE OF 2 PERCENT UNLESS NOTED OTHERWISE IN THE PLANS.
- 5. ALL HORIZONTAL CONNECTIONS TO THE SANITARY OR STORM SHALL BE OF THE 'WYE' BRANCH TYPE.

MATERIAL NOTES

- 1. GENERAL: MATERIALS SHALL BE NEW. THE USE OF MANUFACTURER'S NAMES, MODELS AND NUMBERS IS INTENDED TO ESTABLISH STYLE, QUALITY, APPEARANCE, AND USEFULNESS. PROPOSED SUBSTITUTIONS WILL REQUIRE WRITTEN APPROVAL FROM ARCHITECT PRIOR TO INSTALLATION.
- 2. STORM AND SANITARY SEWER PIPING SHALL BE PVC PIPE OR HIGH DENSITY POLYETHYLENE (HDPE) PIPE CONFORMING TO THE PROJECT SPECIFICATIONS; AS INDICATED IN THE PLANS.
- CONCRETE FOR CURBS, SIDEWALK AND DRIVEWAYS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,300 PSI AT 28 DAYS.

SHEET INDEX

Sheet Number	Sheet Title
ST1.0	TITLE SHEET
ST1.1	OVERALL KEY MAP
ST2.1	TYPICAL SECTIONS 1
ST2.2	TYPICAL SECTIONS 2
ST6.1	SW FARMINGTON RD PLAN & PROFIL
ST6.2	SW FARMINGTON RD PLAN & PROFIL
ST6.3	SW STOTT ST PLAN & PROFILE
ST6.4	SW 2ND ST PLAN & PROFILE
ST6.5	SW 2ND ST PLAN & PROFILE
ST6.6	SW ERICKSON AVE PLAN & PROFILE
ST6.7	SW ERICKSON AVE PLAN & PROFILE
ST6.8	SW ERICKSON AVE PLAN & PROFILE
ST6.9	SW 5TH ST PLAN & PROFILE
	ST1.0 ST1.1 ST2.1 ST2.2 ST6.1 ST6.2 ST6.3 ST6.4 ST6.5 ST6.6 ST6.7 ST6.8

THIS DESIGN COMPLIES WITH ORS 92.044(7) IN THAT NO

UTILITY INFRASTRUCTURE IS DESIGNED TO BE WITHIN 1

FOOT OF A SURVEY MONUMENT LOCATION SHOWN ON

EXCEPTION OR FINAL FIELD LOCATION CHANGE SHALL

ATTENTION: OREGON LAW REQUIRES YOU

TO FOLLOW RULES ADOPTED BY THE

OREGON UTILITY NOTIFICATION CENTER.

THOSE RULES ARE SET FORTH IN OAR

COPIES OF THE RULES BY CALLING THE

POTENTIAL UNDERGROUND FACILITY OWNERS

Call before you dig.

EMERGENCY TELEPHONE NUMBERS

M or 800-332-2344

1-800-573-1311

1-800-391-3000

877-508-5088

503-823-1700

503-464-7777

503-823-4874

1-800-VERIZON

503-226-4211 x4313

(NOTE: THE TELEPHONE NUMBER FOR

THE OREGON UTILITY NOTIFICATION

952-001-0010 THROUGH OAR

CENTER IS (503)-232-1987).

952-001-0100. YOU MAY OBTAIN

A SUBDIVISION OR PARTITION PLAT, NO DESIGN

BE PERMITTED IF IT WOULD CAUSE ANY UTILITY

INFRASTRUCTURE TO BE PLACED WITHIN A

NOTICE TO EXCAVATORS:

PROHIBITED AREA.

CENTER.

CENTURYLINK

NW NATURAL GAS

PBOT MAINTENANCE

PORTLAND WATER BUREAU

COMCAST

PACIFICORP

VERIZON

PROJECT SITE Town Square Beaverton SW 11th St MAP FROM: ARCGIS **VICINITY MAP**

PROJECT CONTACTS

PORTLAND, OREGON 97204

CONTACT: ERIC MELLE

ARCHITECT:

OWNER: BEAVERTON SCHOOL DISTRICT 48 16550 SW MERLO ROAD BEAVERTON, OREGON 97003 TEL: 503-356-4500 CONTACT: MEGAN FULLER **CIVIL ENGINEER/PROJECT MANAGER:** KPFF CONSULTING ENGINEERS 111 SW FIFTH AVENUE, SUITE 2500

TEL: 0:503-542-3860, D:503-542-3806

BRIC ARCHITECTURE, INC 1233 NW NORTHRUP STREET, SUITE 100 PORTLAND, OREGON 97209 TEL: 0:503-595-4903, D:503-595-4903 CONTACT: DAN HESS

CITY OF BEAVERTON USE ONLY

ARCHITECTURE, INC





BEAVERTON HIGH SCHOOL REBUILD

13000 SW 2ND STREET BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT

503-356-4500



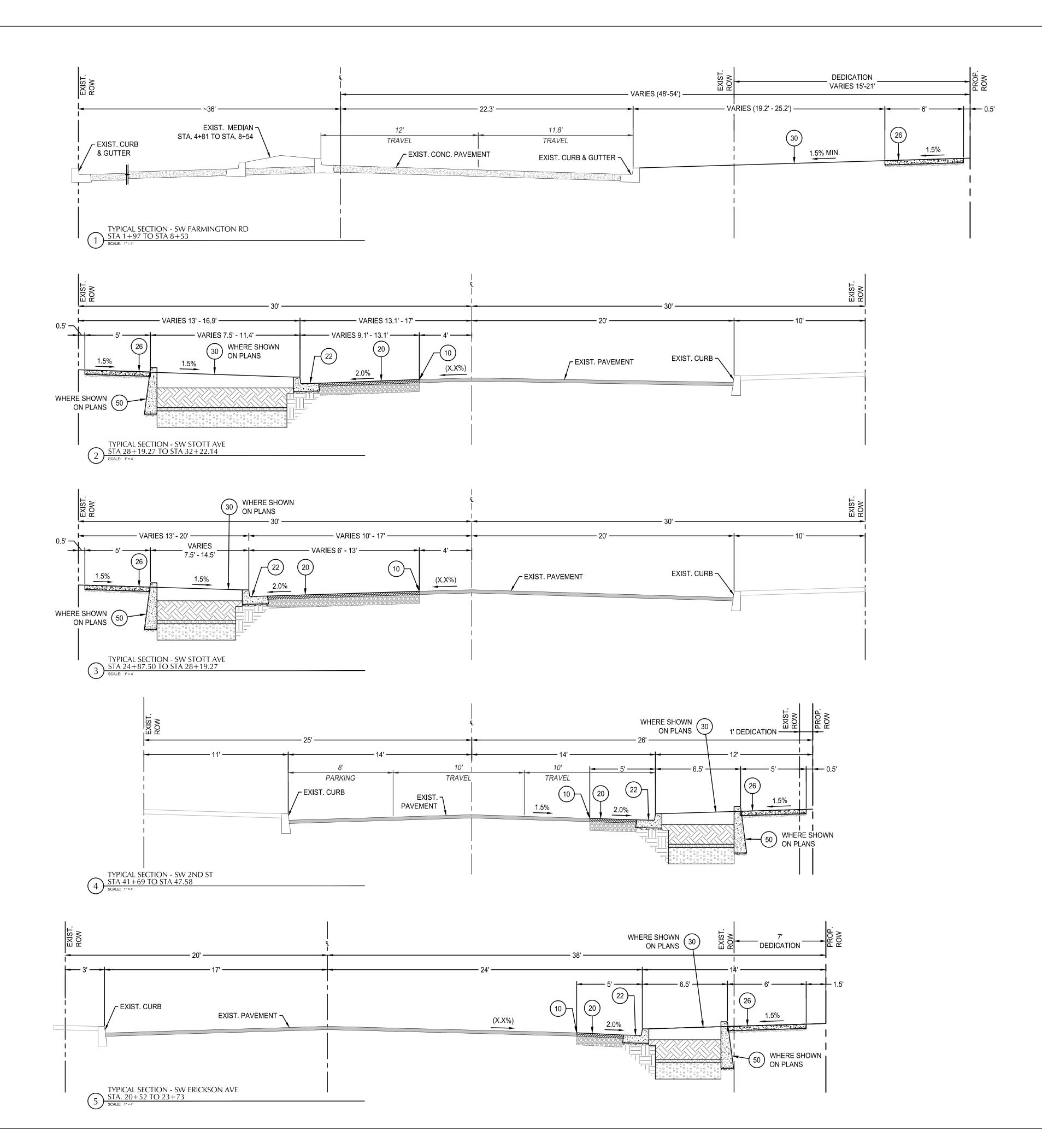
revisions

LAND USE RESUBMITTAL phase SET 08/11/2023 date

21016

TITLE SHEET

project





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
- CURRICUT CIRCUALLY COR STANDARD DWG 2
- 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.





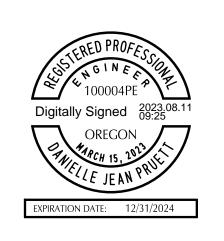
111 SW Fifth Ave., Suite 2600 Portland, OR 97204 O: 503.542.3860 F: 503.274.4681 www.kpff.com

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BEAVERTON SCHOOL DISTRICT

T 503-356-4500



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

TYPICAL SECTIONS 1

ST2.1



PUBLIC KEY NOTES

20 ASPHALT PAVEMENT SECTION

22 STANDARD MONOLITHIC CURB AND GUTTER COB STANDARD

STANDARD SIDEWALK TREEWELL COB STANDARD DWG 240
 CWS STREETSIDE LIDA PLANTER (NO STREET PARKING) COB STANDARD DWG 370. I.D. AS SHOWN. SEE STORM PLANTER TABLE ON ST1.0.

26 STANDARD SIDEWALK COB STANDARD DWG 215

27 CURBTIGHT SIDEWALK COB STANDARD DWG 216

NOTE DESCRIPTION

10 SAWCUT LINE

DWG 205

111 SW Fifth Ave., Suite 2600
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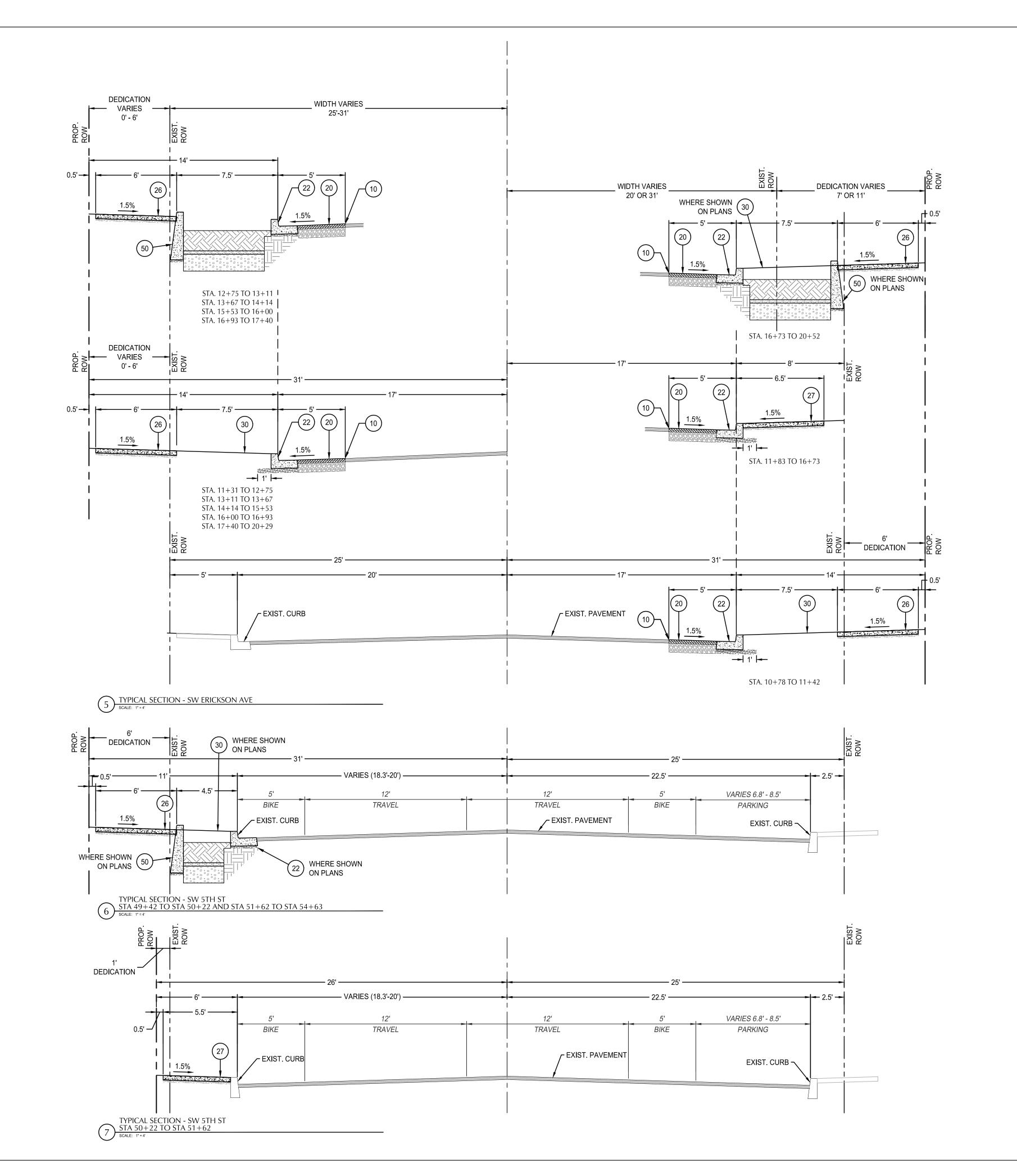
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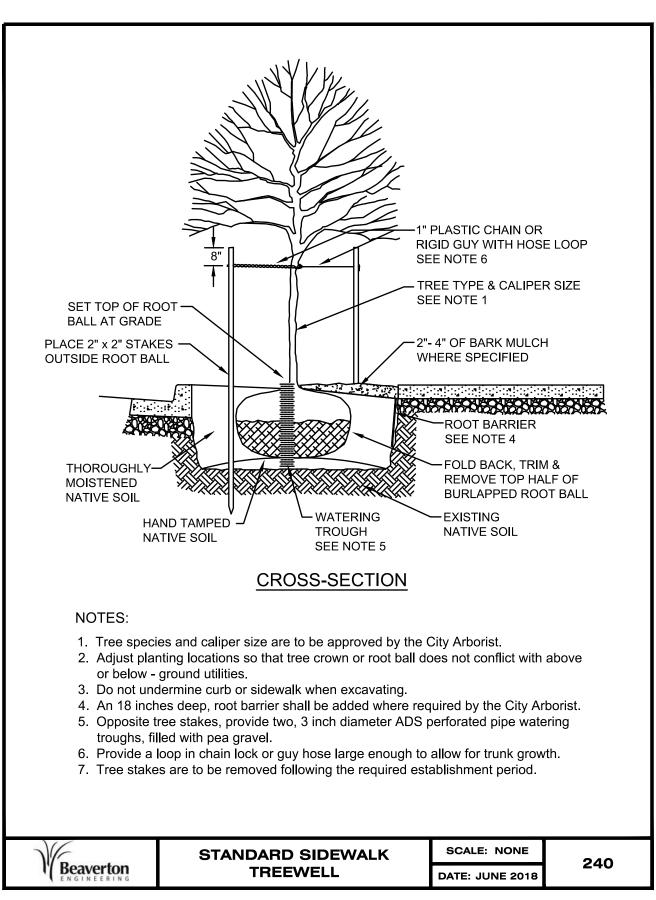


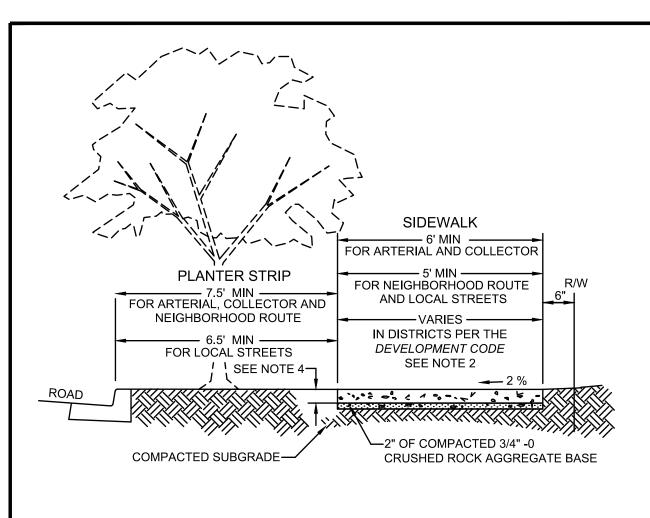
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phase	LAND USE RESUBMITTAL SET
date project	08/11/2023 21016

TYPICAL SECTIONS 2

ST2.2

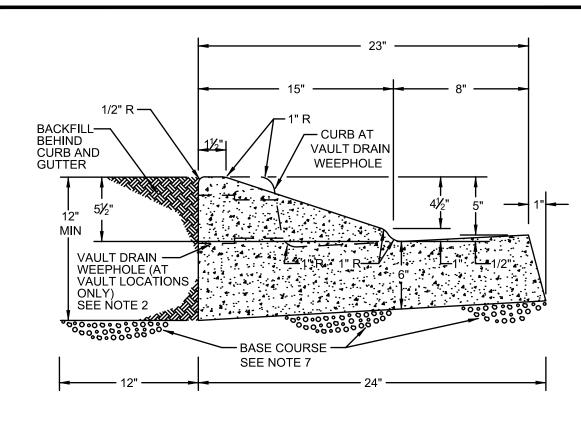






- . Concrete shall have a minimum compressive strength of 4,000 psi at 28 days. For slump see
- . Sidewalk panels shall be square with their length equal to the sidewalk's width, except that sidewalks in the Regional Center, Town Center, Station Area and Station Community districts may be wider than 6 feet, in which cases their panels may be 4 to 6 feet square, but all of equal size.
- 3. 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
- 4. 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 Dwgs 210 & 211.
- Finish with broom and edge all joints.
- 6. Width of curb is included in planter strip width. 7. Street trees are required except where specifically modified or waived in writing by the City Engineer.
- 8. For sidewalk repairs, replacements and installations in existing developments, match existing width of sidewalks, and sidewalk panels' widths and lengths.

STANDARD SIDEWALK 215 Beaverton DATE: JUNE 2018



- 1. 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.
- 2. 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.
- 3. Concrete to have compressive strength of 4,000 psi at 28 days.
- 4. Expansion joints to be provided at each:
 - a. Point of tangency. b. Cold joint.
- c. Side of inlet structures.
- d. Side of driveways.
- 5. Expansion joint material to be pre-molded, asphalt impregnated, non-extruding, with a thickness of 1/2 inch.
- 6. Contraction Joints shall have:

SIDEWALK WITH

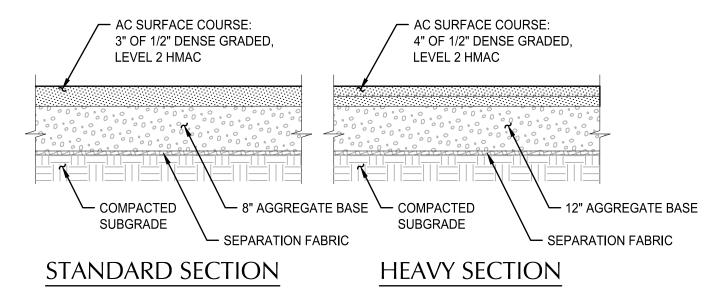
PLANTER STRIP

- a. Spacing of not more than 15 feet.
- b. Depth of joint of at least $1\frac{1}{2}$ inches. 7. Base Rock $1\frac{1}{2}$ "-0 or $3\frac{4}{0}$, 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.

SCALE: NONE MOUNTABLE CURB AND **Beaverton GUTTER** DATE: JUNE 2018

SIDEWALK

CURB-TIGHT



ASPHALT PAVEMENT SECTION

— 6" THICK PORTLAND CEMENT CONCRETE COMPACT — 6" AGGREGATE BASE

1. - CONSTRUCT CONTRACTION JOINTS AT 15' MAX. SPACING AND AT RAMPS. - CONSTRUCT EXPANSION JOINTS AT 200' MAX. SPACING AT POINTS OF TANGENCY AND AT ENDS OF EACH DRIVEWAY.

2. PROVIDE MEDIUM TO COARSE BROOM FINISH.

SCALE: NTS

CONCRETE PAVEMENT SECTION

SUBGRADE

Г 503-356-4500

DISTRICT

ARCHITECTURE, INC

BEAVERTON

SCHOOL DISTRICT

Portland, OR 97204 O: 503 542 3860

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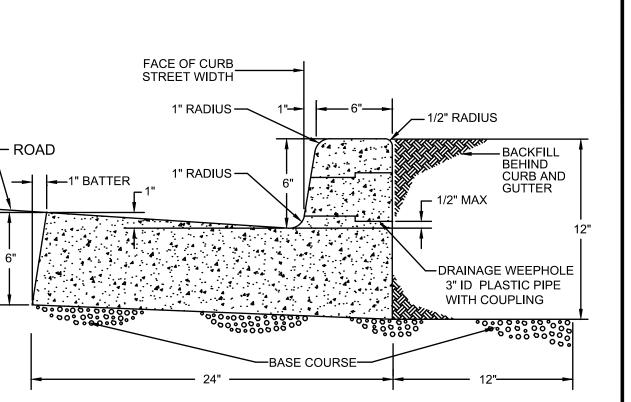
13000 SW 2ND STREET

BEAVERTON SCHOOL

BEAVERTON, OREGON 97005

Digitally Signed 2023.08.11 09:25

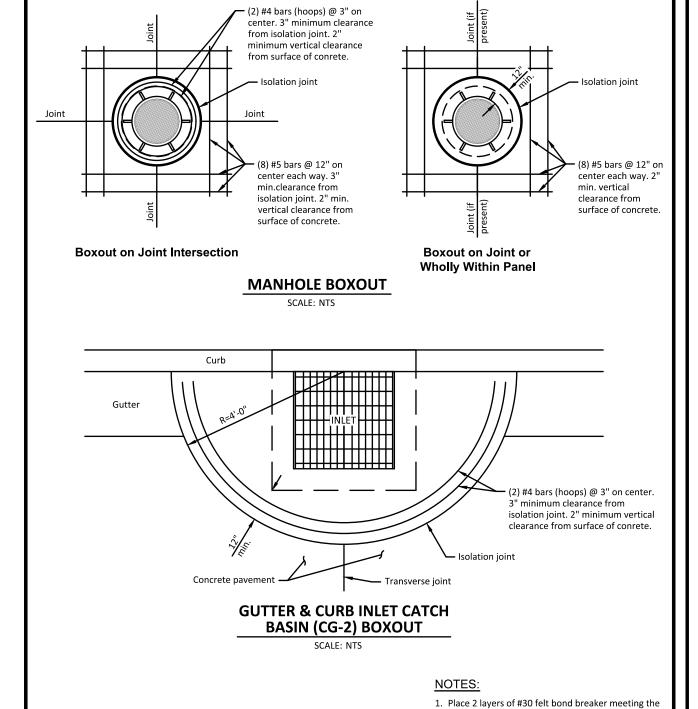
PIRATION DATE: 12/31/2024

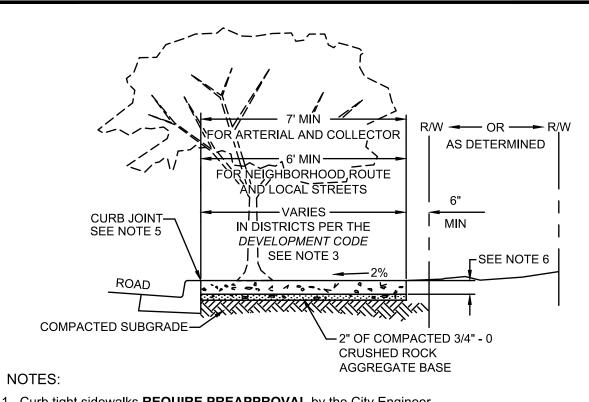


- For use along medians, gutters may be reduced when preapproved by City Engineer.
- Concrete to have compressive strength of 4,000 psi at 28 days.

- b. Cold joint.
- 4. Expansion joint material to be pre-molded, asphalt impregnated, non-extruding, with a
- thickness of 1/2 inch.
- b. Depth of joint of at least 1½ inches. Base rock 1½"-0 or 3/4"-0, 95% (AASHTO T-180) compaction. Base rock shall be to
- inches behind the curb.

- Proof roll subgrade and base rock section prior to placement of curb.
- SCALE: NONE STANDARD MONOLITHIC 205 **l'** Beaverton **CURB AND GUTTER** DATE: JUNE 2018



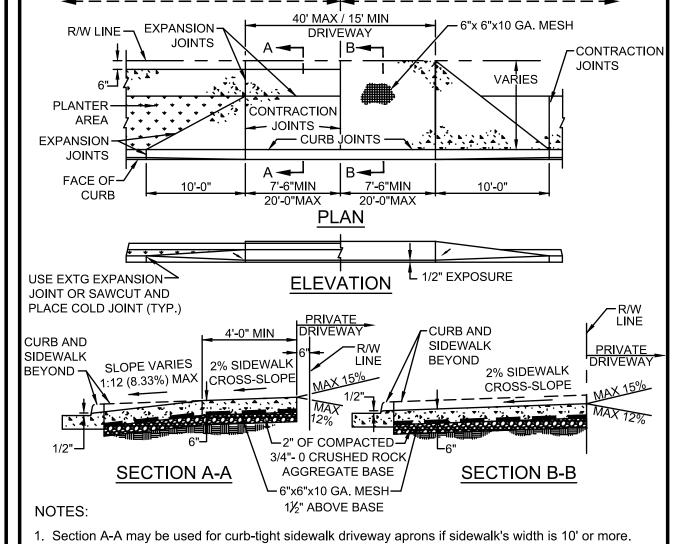


. Curb tight sidewalks REQUIRE PREAPPROVAL by the City Engineer.

- 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
- . 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.
- 5. 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.
- 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

. Sidewalk shall have a minimum thickness of 4 inches, except that sidewalk that is intended as a portion

- mesh. Location of 40 foot long section to be as directed by City Engineer. 8. Finish with broom and edge all joints.
- 9. Street trees, treewells and grates are required except where specifically modified or waived in writing by the City Engineer. 10. For sidewalk widths around grated treewells, and tree grate requirements, see Beaverton Standard Dwg 241.



2. Concrete shall have a minimum breaking strength of 4,000 psi after 28 days.

extending from top of base to finished grade.

6. Finish with broom and edge all joints.

7. Weepholes not to be placed in wing.

3. Curb joint shall be a troweled joint with a minimum 1/2 inch radius along back of curb.

5. For driveways 24 feet wide or greater, concrete to be increased to a 7 inch depth.

4. Expansion joints shall be 1/2 inch pre-molded asphalt impregnated material, cedar or approved equal

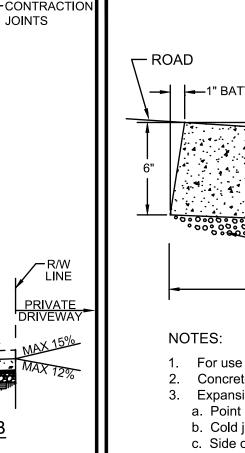
8. If curbing is being removed to install a driveway and the gutter should become separated from the

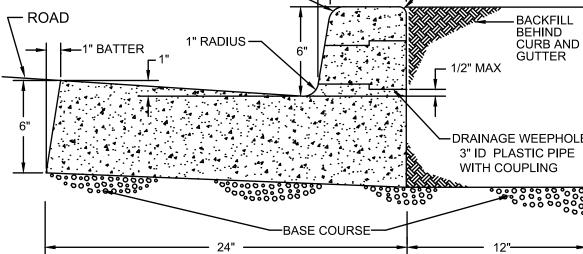
9. Wings of the commercial driveway which are a portion of the sidewalk shall not exceed 8.333% (1:12).

driving surface in excess of 1/16 inch, then the gutter shall also be removed and replaced.

10. ODOT Standard Drawings for driveways may be used when preapproved by City Engineer.

11. Slope of the driveway may be away from the curb when preapproved by City Engineer.





Expansion joints to be provided at each:

a. Point of tangency.

c. Side of inlet structures.

d. Side of driveways.

5. Contraction Joints shall have:

a. Spacing of not more than 15 feet.

subgrade of street structure or 7.5 inches, whichever is greater, and shall extend 12

Drainage weephole shall be: a. 3-inch diameter I.D. plastic pipe with coupling and beveled outlet end to match face

b. Centered with contraction joints. c. Core-drilled through existing curbs for drainage access.

l' Beaverton

MANHOLE AND INLET **CONCRETE BOXOUTS**

DATE: JUNE 201

requirements of ASTM D226, Type II at isolation joints.

2. Locate joint on center of manhole rim when possibl

220-2

CURB TIGHT SIDEWALK Beaverton

DATE: JUNE 2018

Beaverton

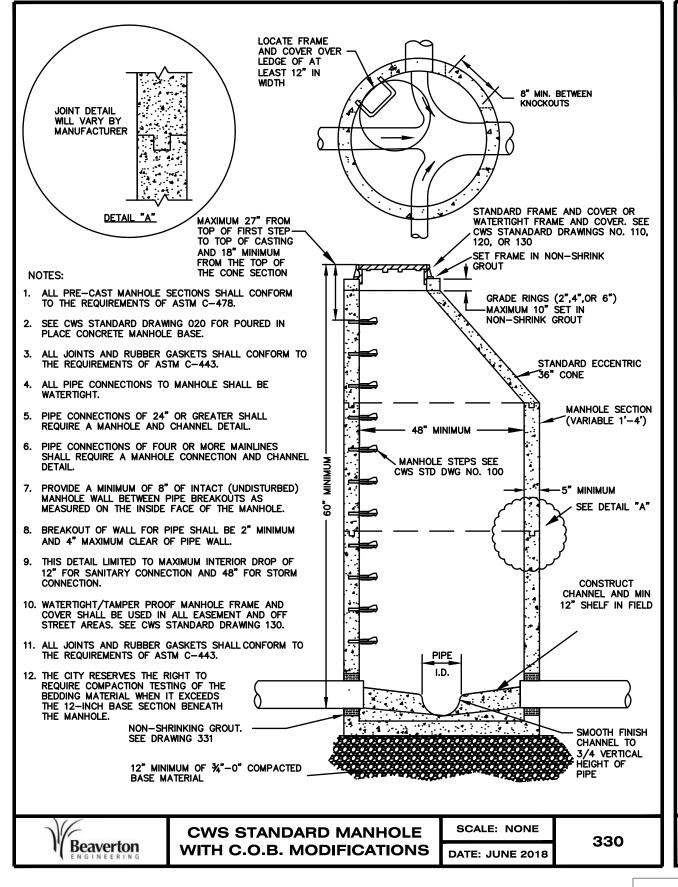
SCALE: NONE STANDARD COMMERCIAL **DRIVEWAY** DATE: JUNE 2018

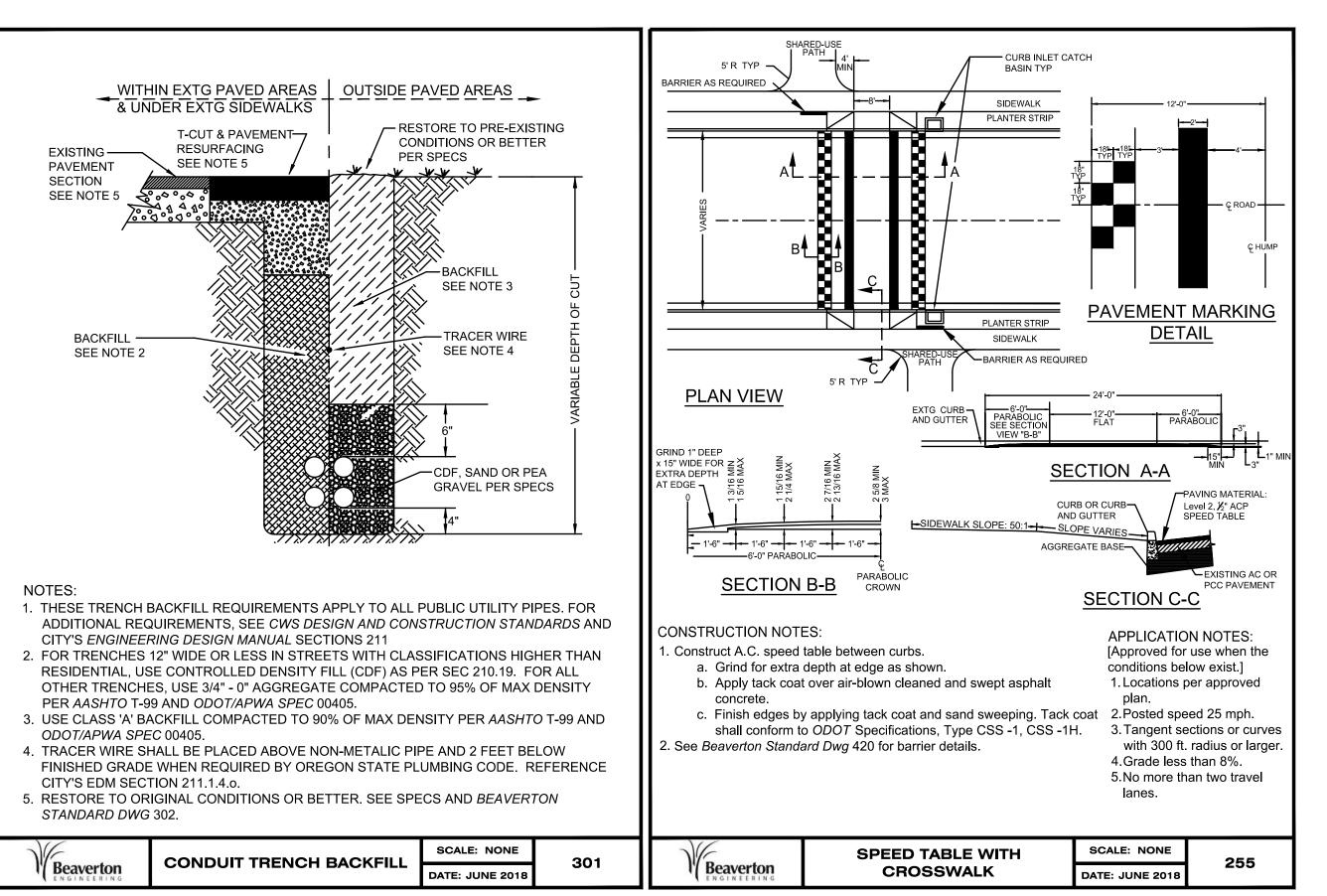
revisions

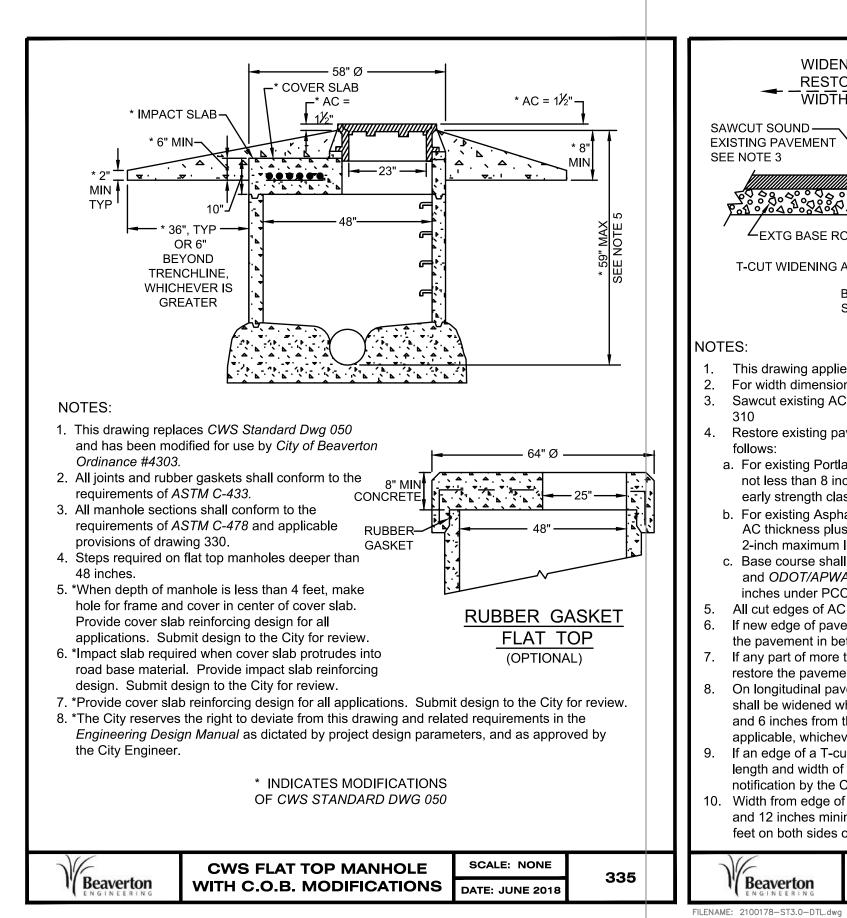
LAND USE RESUBMITTAL phase SET

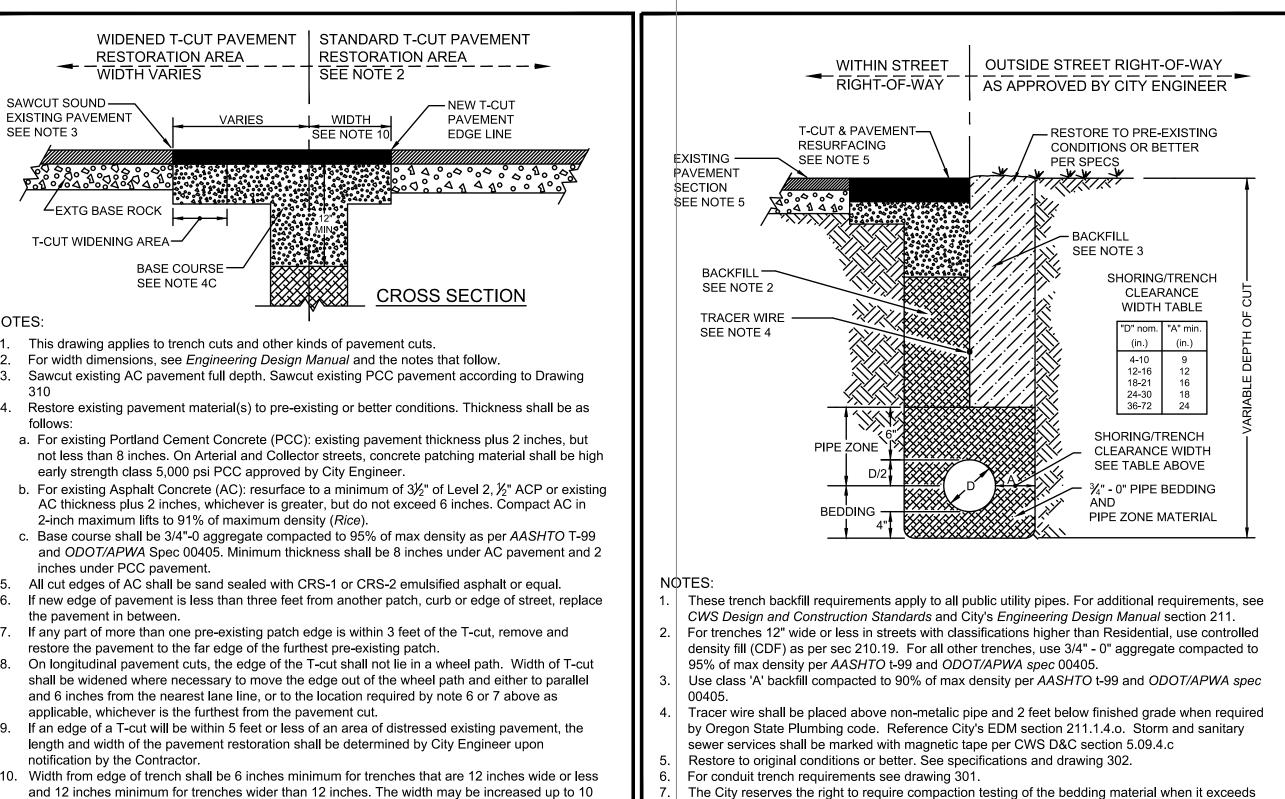
08/11/2023 date 21016 project

DETAILS









the 4-inch base section beneath the pipe.

Beaverton

PIPE TRENCH BACKFILL

SCALE: NONE

DATE: JUNE 2018

feet on both sides of the pavement cut as approved by City Engineer.

Beaverton

PAVEMENT CUT

RESTORATION

DATE: JUNE 2018

ARCHITECTURE, INC





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BEAVERTON HIGH SCHOOL REBUILD

13000 SW 2ND STREET BEAVERTON, OREGON 97005

BEAVERTON SCHOOL DISTRICT

503-356-4500

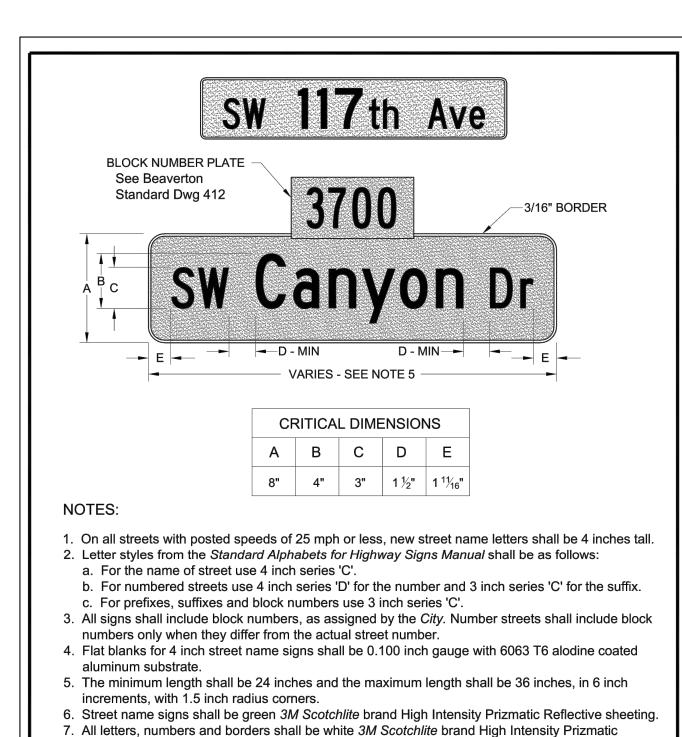


revisions

LAND USE RESUBMITTAL phase SET

08/11/2023 21016 project

DETAILS



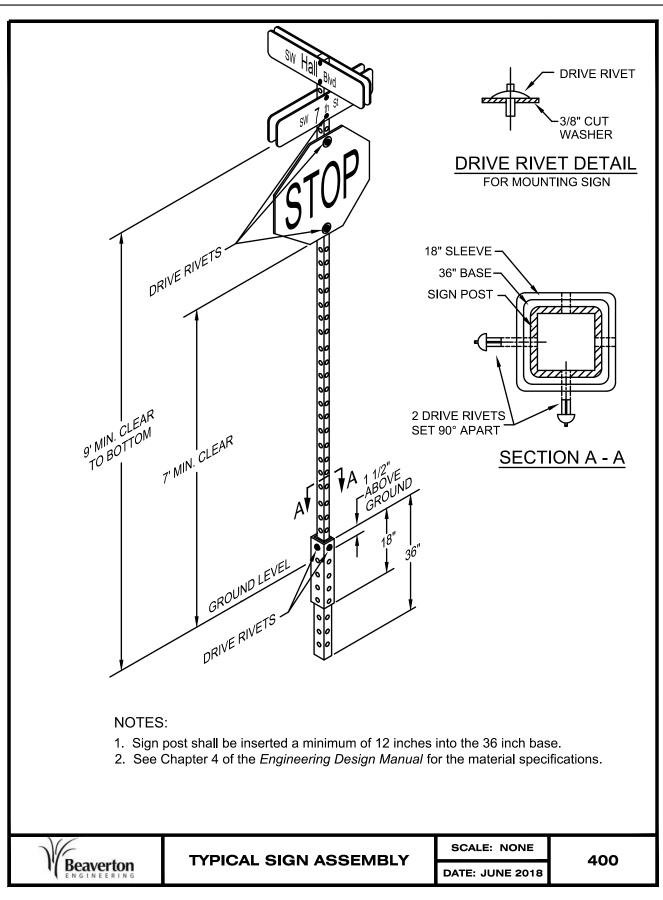
Reflective sheeting.

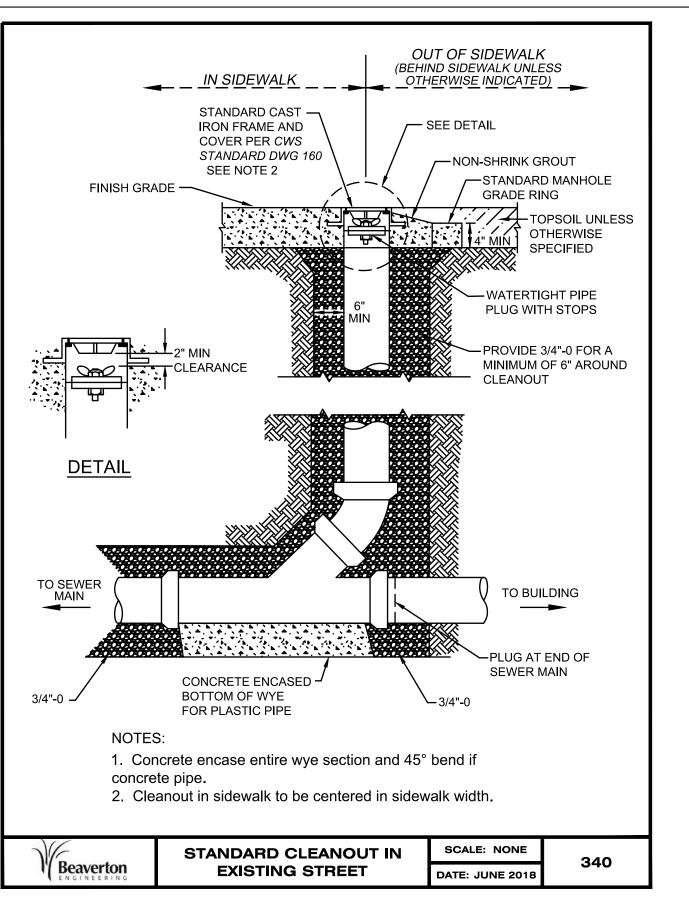
Beaverton

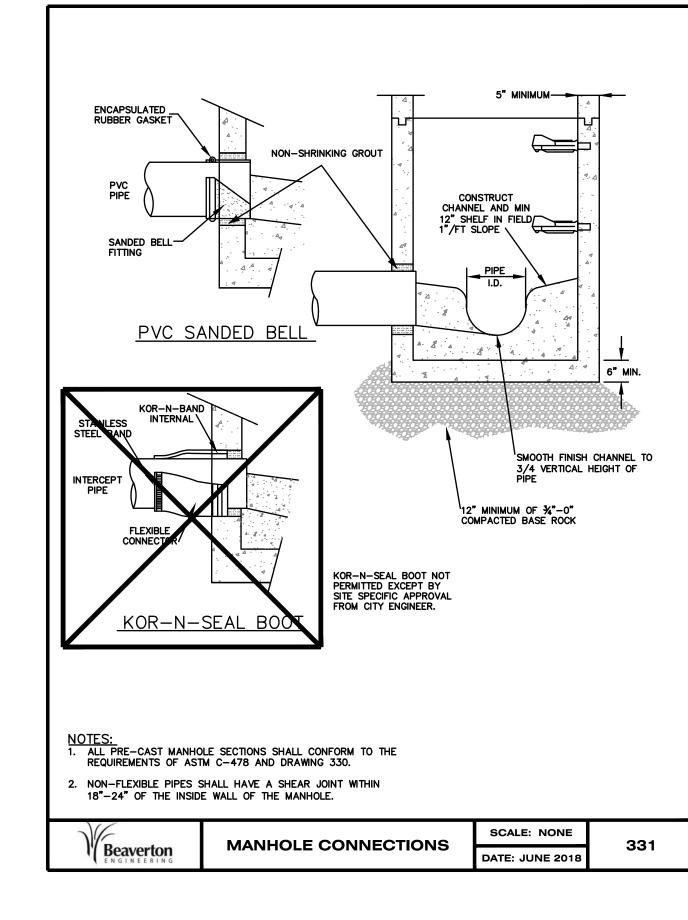
8. For post mounting assembly see Beaverton Standard Dwg 400.

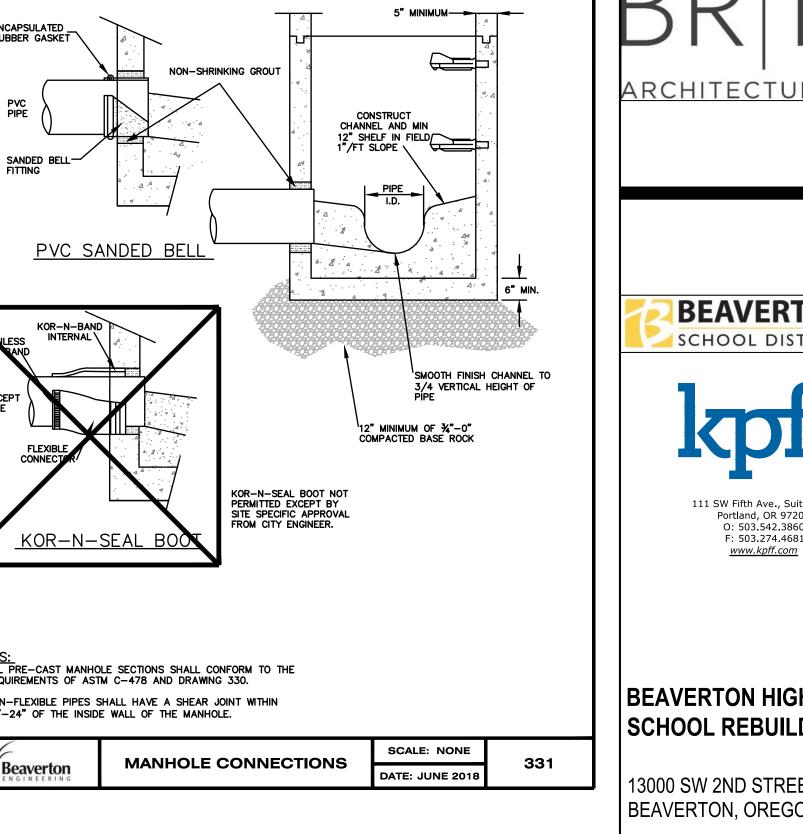
STREET NAME SIGN 4 INCH

TALL LETTERS















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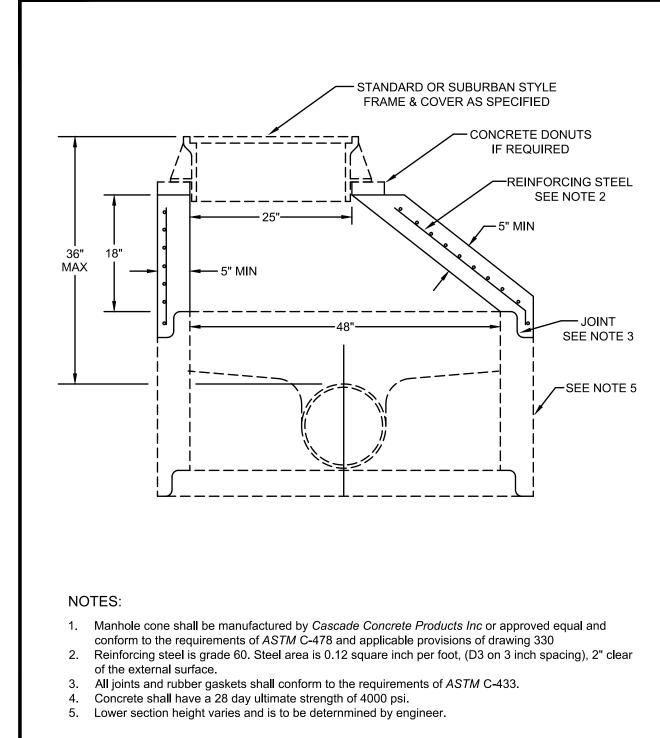
BEAVERTON HIGH SCHOOL REBUILD

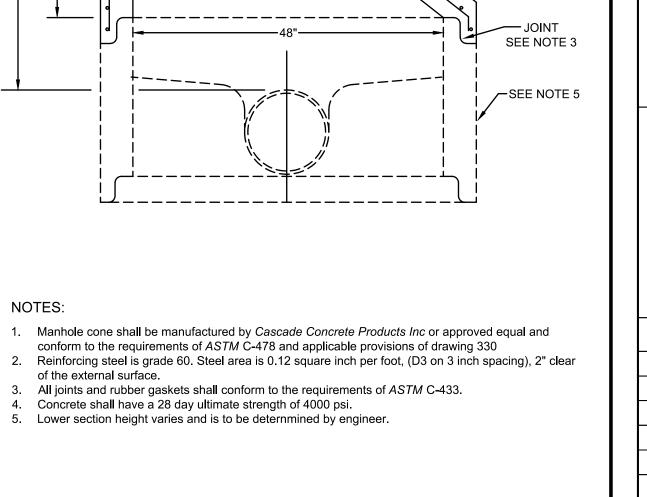
13000 SW 2ND STREET BEAVERTON, OREGON 97005

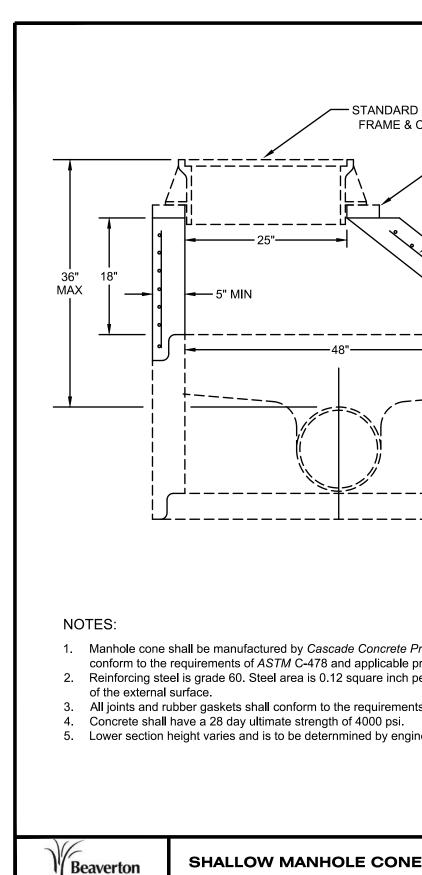
BEAVERTON SCHOOL DISTRICT

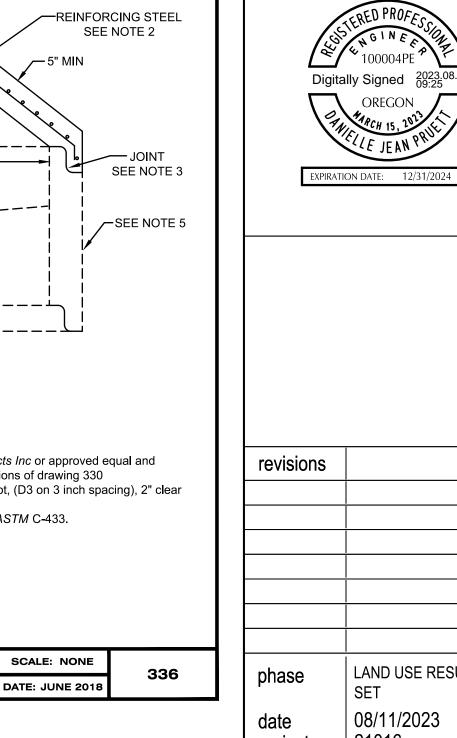
T 503-356-4500

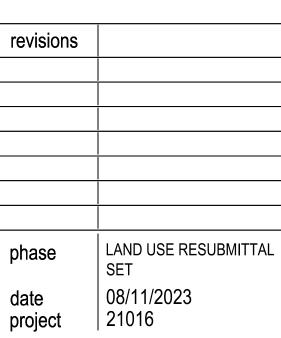




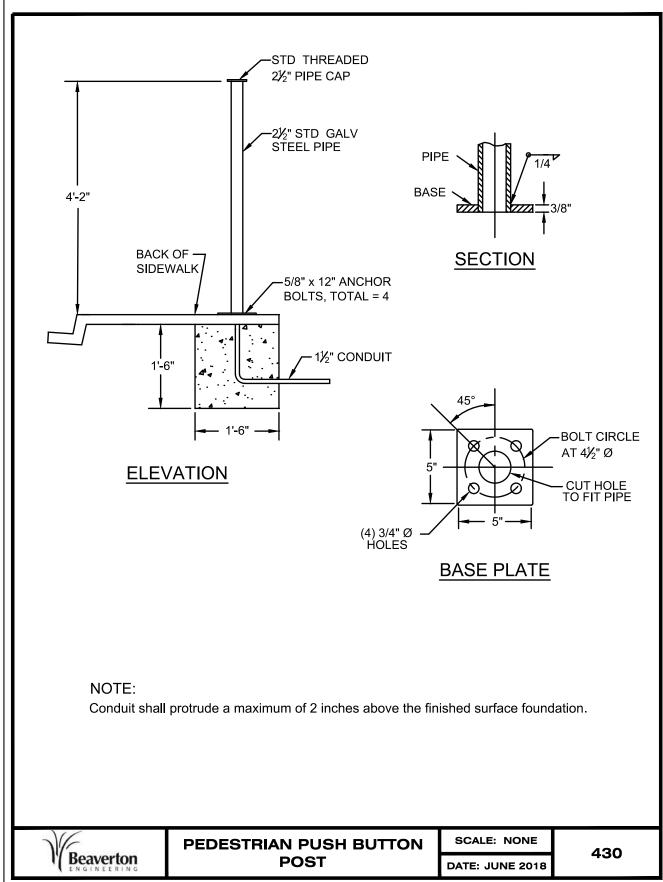






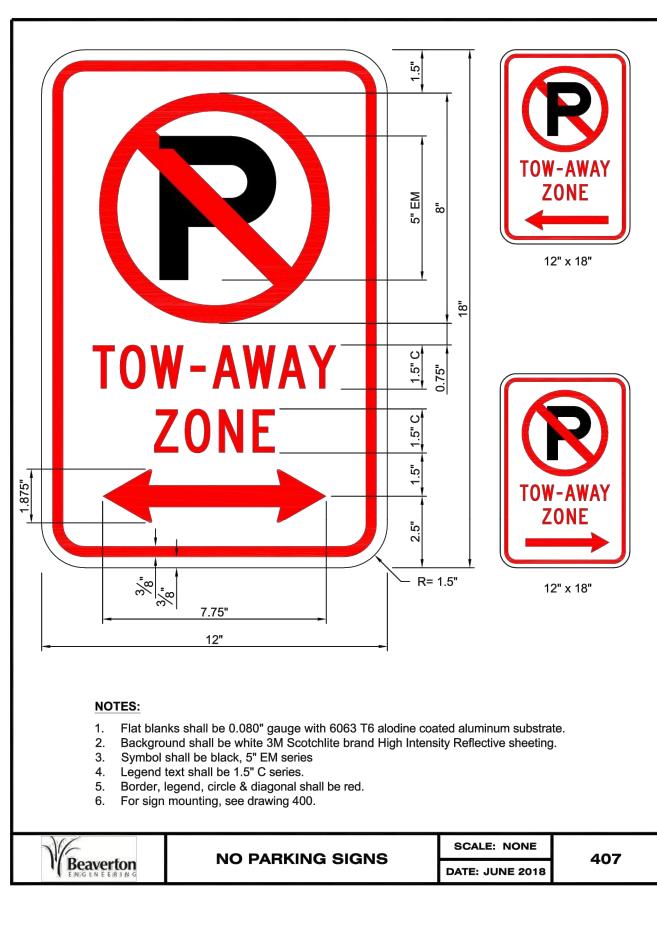


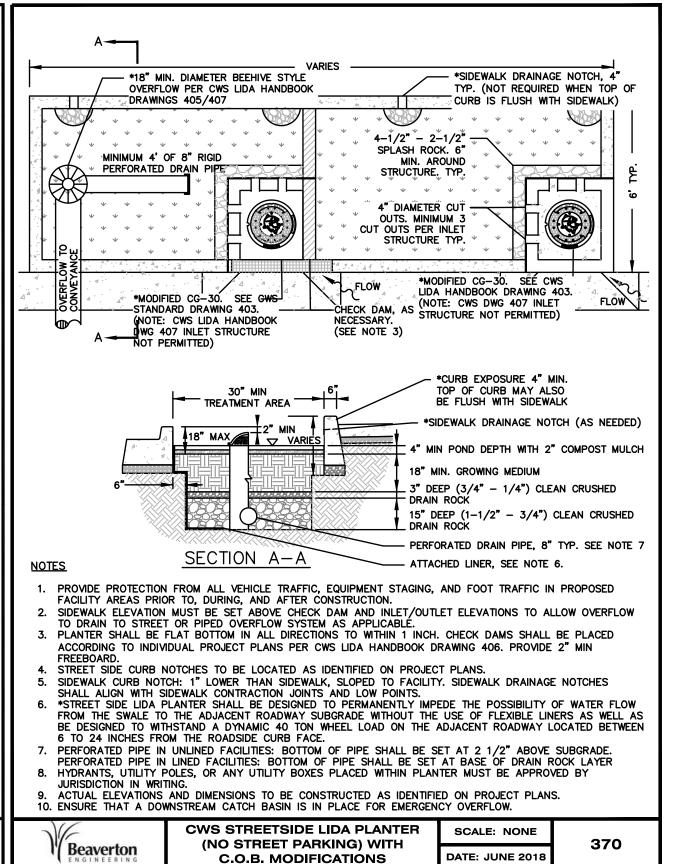
DETAILS



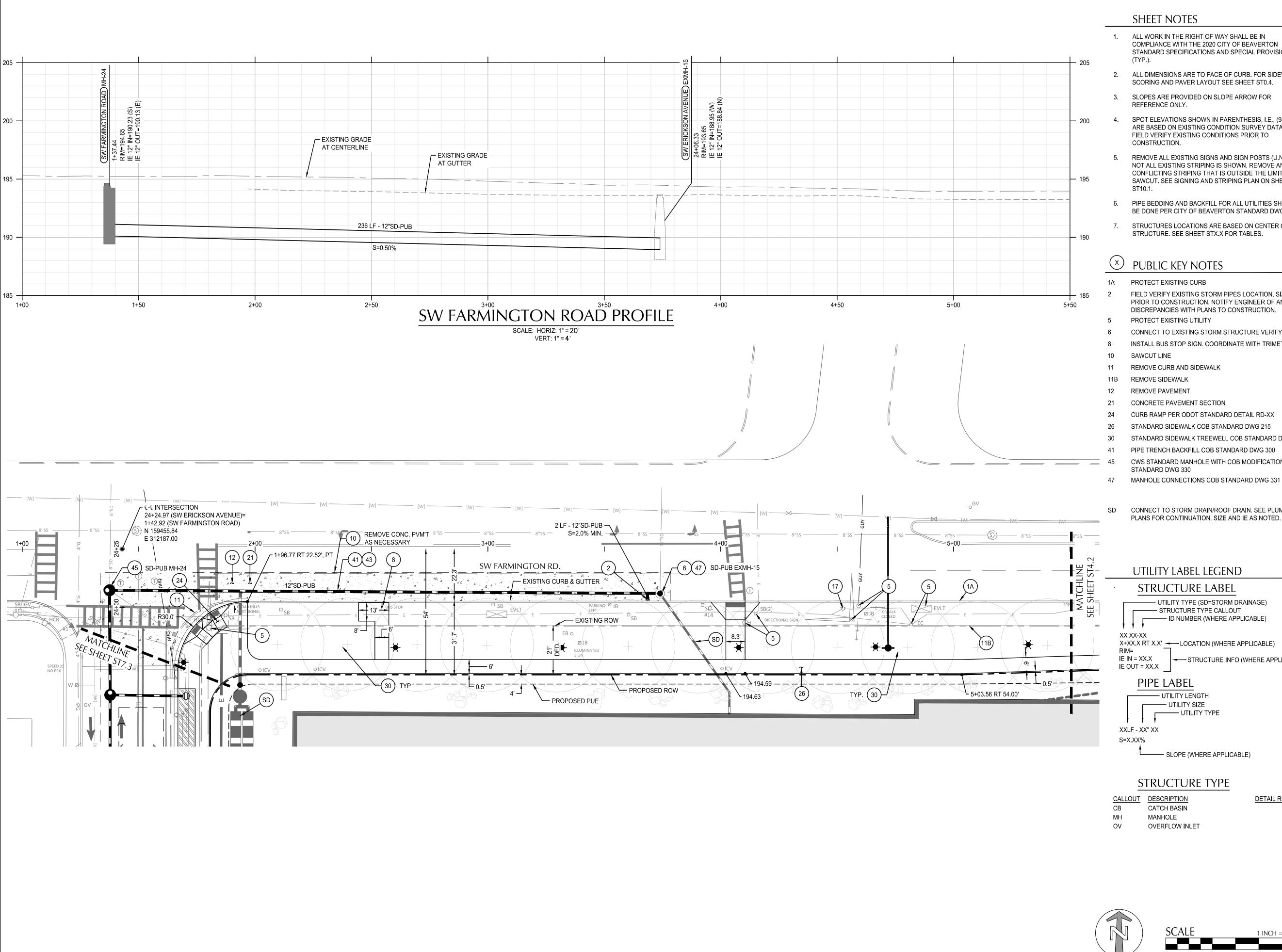
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DATE: JUNE 201





FILENAME: 2100178-ST3.0-DTL.dwg



- 1. ALL WORK IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH THE 2020 CITY OF BEAVERTON STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS
- 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.
- 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
- 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.

PUBLIC KEY NOTES

- 1A: 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.
- 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 TREEWELL COB STANDARD DWG 240 PIPE TRENCH BACKFILL COB STANDARD DWG 300
- CWS STANDARD MANHOLE WITH COB MODIFICATIONS COB
- STANDARD DWG 330
- 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)

X+XX.X RT X.X' ← LOCATION (WHERE APPLICABLE)

STRUCTURE INFO (WHERE APPLICABLE) IE OUT = XX.X

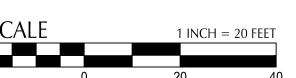
PIPE LABEL

UTILITY LENGTH ----- UTILITY SIZE UTILITY TYPE

SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

CALLOUT DESCRIPTION CATCH BASIN DETAIL REF. MANHOLE **OVERFLOW INLET**









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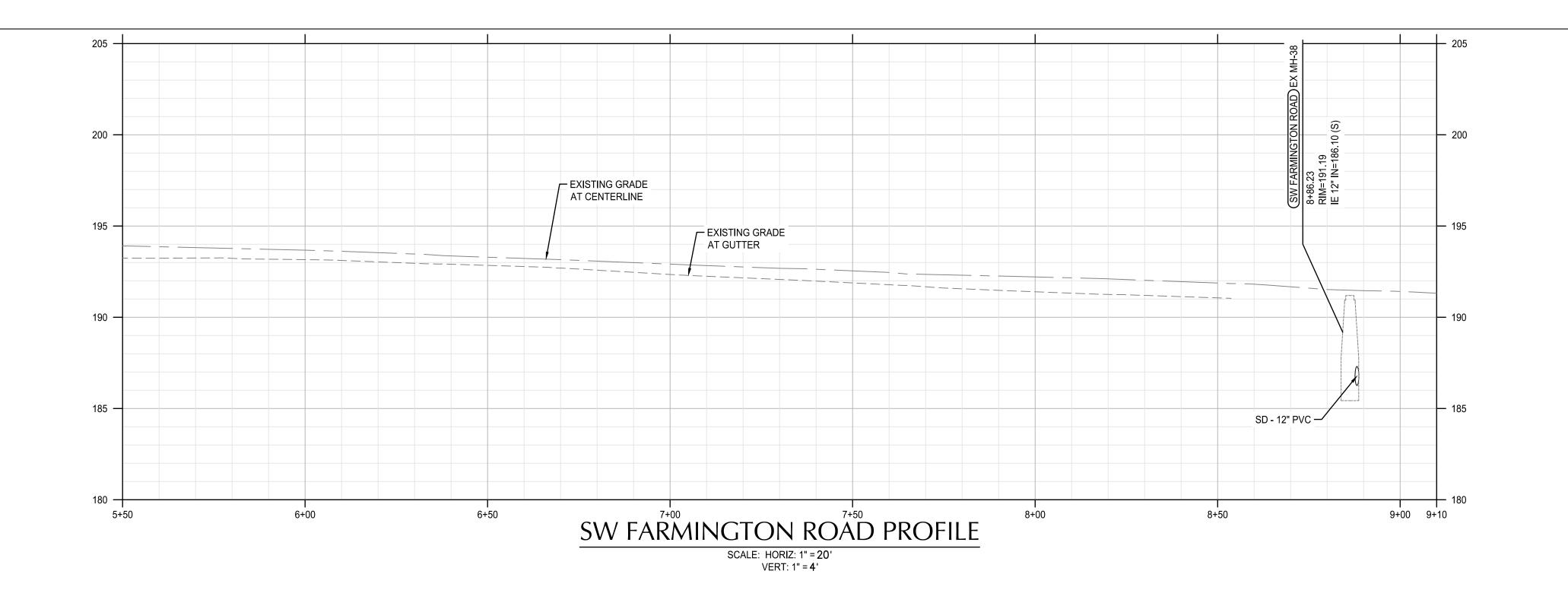


revisions

LAND USE RESUBMITTAL phase SET

08/11/2023 21016 project SW FARMINGTON RD

PLAN & PROFILE



- 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)
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 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.

× PUBLIC KEY NOTES

- PROTECT EXISTING CURB
- PROTECT EXISTING UTILITY
- SAWCUT LINE
- REMOVE CURB AND SIDEWALK
- REMOVE SIDEWALK
 REMOVE PAVEMENT
- REMOVE TREE
- 7 DEMOVE HILL
- 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 TREEWELL 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)

* * * * ** **-**

€-€ INTERSECTION ¬

N 159452.95

E 312943.67

32+70.07 (SW STOTT AVENUE)= 9+00.00 (SW FARMINGTON ROAD)

REMOVE CONC. PVM'T 10 12 USS

8+56.62 RT 22.16', PC 式

8+53.69 RT 22.16' ¬

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

OVERFLOW INLET

CALLOUT
CBDESCRIPTION
CATCH BASIN
MANHOLE

<u>IPTION</u> BASIN DETAIL REF.

BR I C

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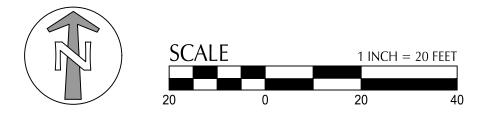


phase LAND USE RESUBMITTAL SET 08/11/2023

SW FARMINGTON RD PLAN & PROFILE

21016

project





EXISTING
CURB & GUTTER

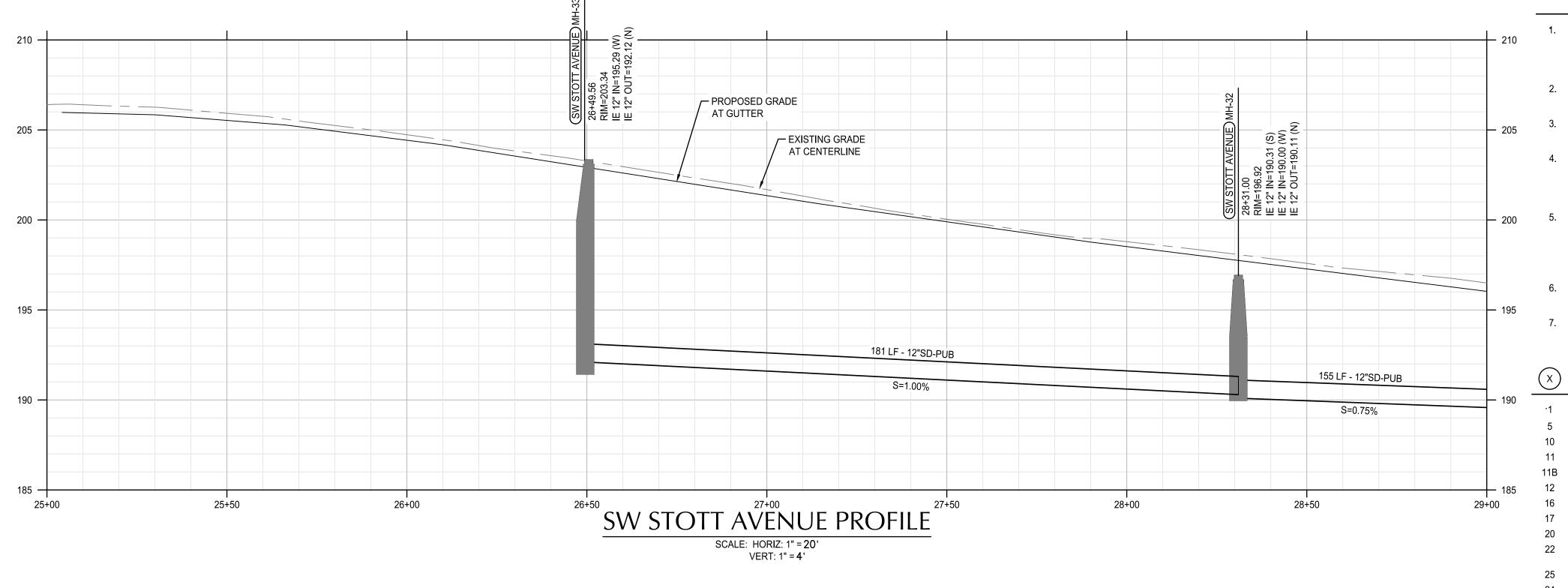
EXISTING ROW

PROPOSED PUE

SW FARMINGTON RD.

*

- 6+83.44 RT 47.50'



SD-PUB OV-15 -- SD-PUB OV-16 RIM=194.35 RIM=197.94 IE 12" OUT=191.00 (E) IE 12" OUT=194.99 (E) 15 LF - 12"SD-PUB (15 LF - 12"SD-PUB S=6.78% S=2.00% PROPOSED PUE -PROPOSED PUE R15.0' — └_ R20.0' 5 MH-32 L_{25+52.58} LT 17.00' SW STOTT AVE. 27+24.65 LT 10.00' □ 25+31.03 LT 10.00' 27+96.68 LT 10.00' -27+02.03 LT 17.00' -ST 2ND 3RD EXTENSION. SEE SHEETS ST9.1, ST9.2.

SHEET NOTES

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- 2. ALL DIMENSIONS ARE TO FACE OF CURB. FOR SIDEWALK SCORING AND PAVER LAYOUT SEE SHEET ST0.4.
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 CONSTRUCTION.
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 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.

PUBLIC KEY NOTES

- ·1 PROTECT CURB AND SIDEWALK
- 5 PROTECT EXISTING UTILITY
- 10 SAWCUT LINE11 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
- PIPE TRENCH BACKFILL COB STANDARD DWG 300
 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.

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BEAVERTON SCHOOL DISTRICT

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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

SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

CALLOUT DESCRIPTION
CB CATCH BASIN
MH MANHOLE
OV OVERFLOW INLET

DETAIL REF.

1 INCH = 20 FEET

project 21016 SW STOTT AVE PLAN & PROFILE

SET

08/11/2023

revisions

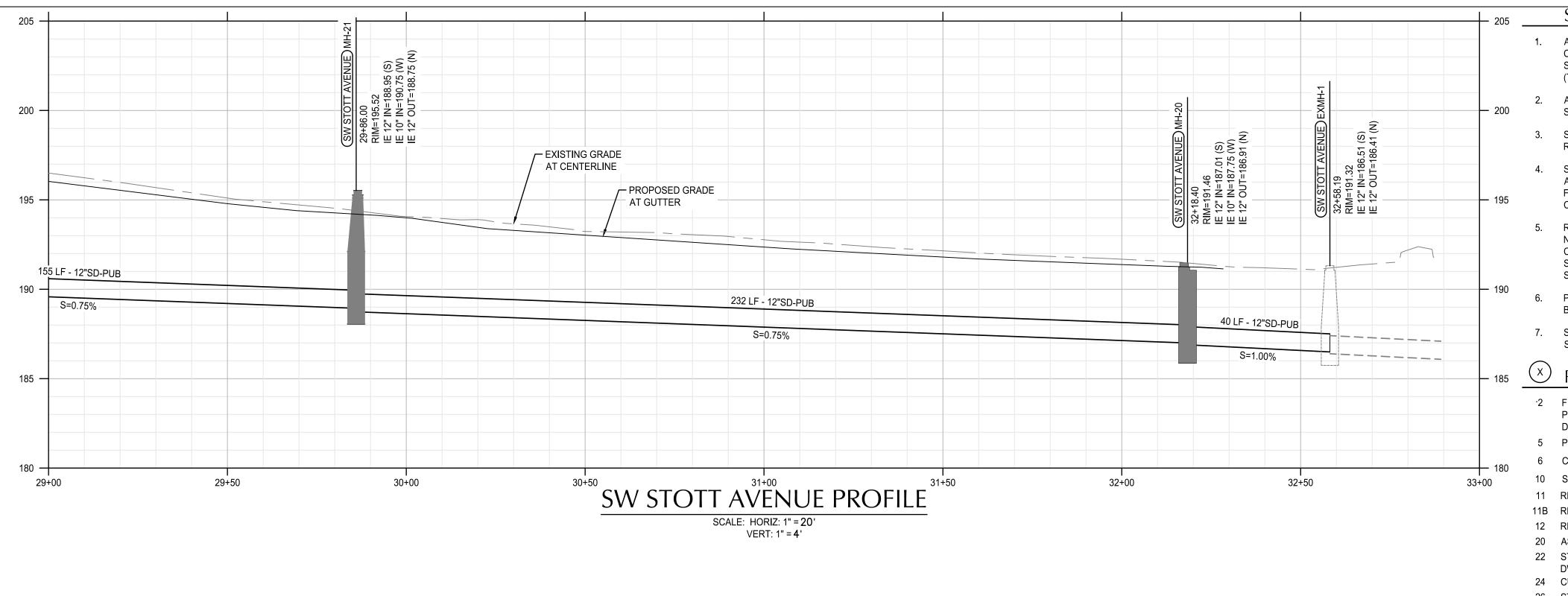
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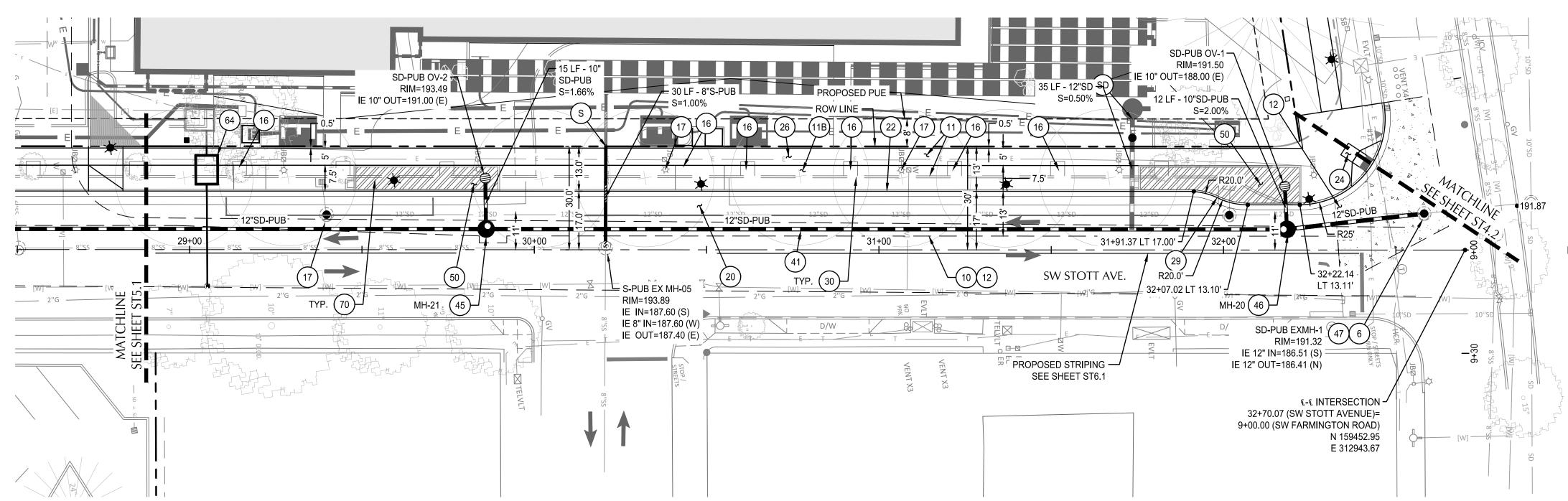
ST5.1

LAND USE RESUBMITTAL



S=X.XX%





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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.
- PROTECT EXISTING UTILITY
- 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 660-3. 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.







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BEAVERTON SCHOOL DISTRICT

T 503-356-4500



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)

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)

<u>CALLOUT</u> <u>DESCRIPTION</u> MANHOLE

DETAIL REF.

SW STOTT AVE PLAN & PROFILE

phase

date

project

revisions

SET

21016

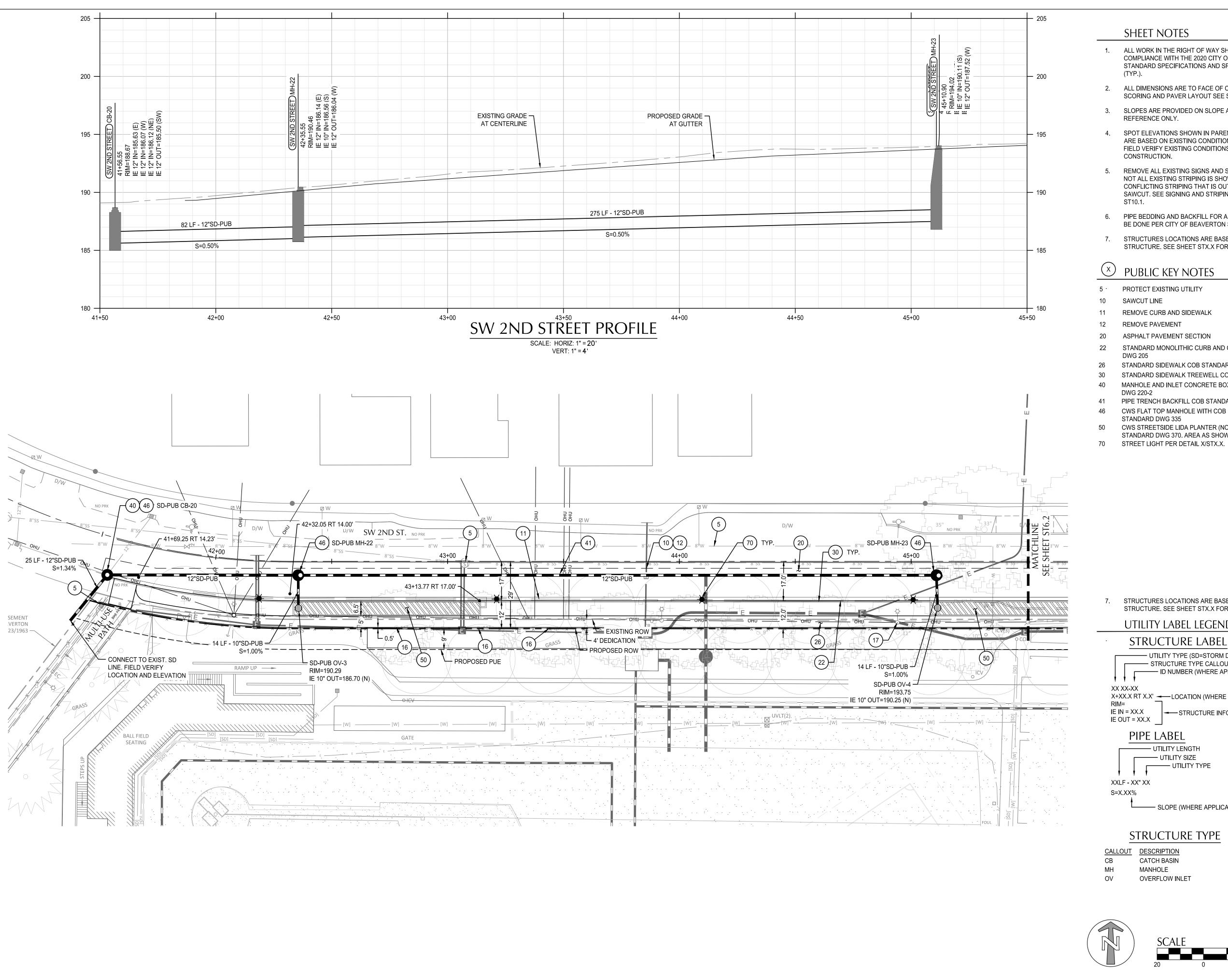
08/11/2023

LAND USE RESUBMITTAL

STRUCTURE TYPE

CATCH BASIN **OVERFLOW INLET**

1 INCH = 20 FEET



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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 TREEWELL COB STANDARD DWG 240
- MANHOLE AND INLET CONCRETE BOXOUTS COB STANDARD
- PIPE TRENCH BACKFILL COB STANDARD DWG 300
 - CWS FLAT TOP MANHOLE WITH COB MODIFICATIONS COB
- CWS STREETSIDE LIDA PLANTER (NO STREET PARKING) COB
- STANDARD DWG 370. AREA AS SHOWN.

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BEAVERTON SCHOOL **DISTRICT**

T 503-356-4500



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)

X+XX.X RT X.X' ← LOCATION (WHERE APPLICABLE) STRUCTURE INFO (WHERE APPLICABLE)

PIPE LABEL ——— UTILITY LENGTH

UTILITY SIZE UTILITY TYPE

SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

CALLOUT DESCRIPTION CATCH BASIN MANHOLE

DETAIL REF.

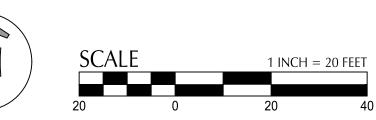
08/11/2023 21016 project SW 2ND ST PLAN & PROFILE

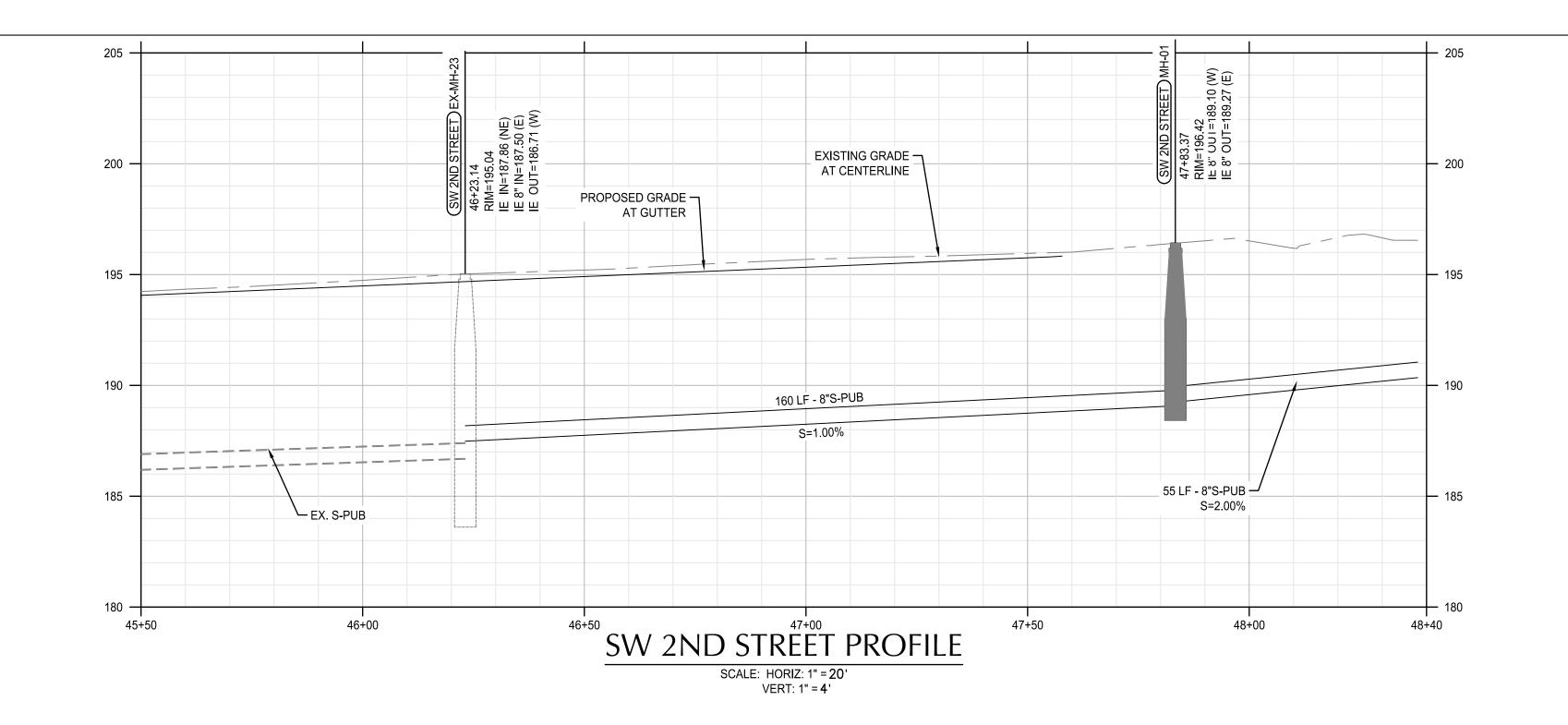
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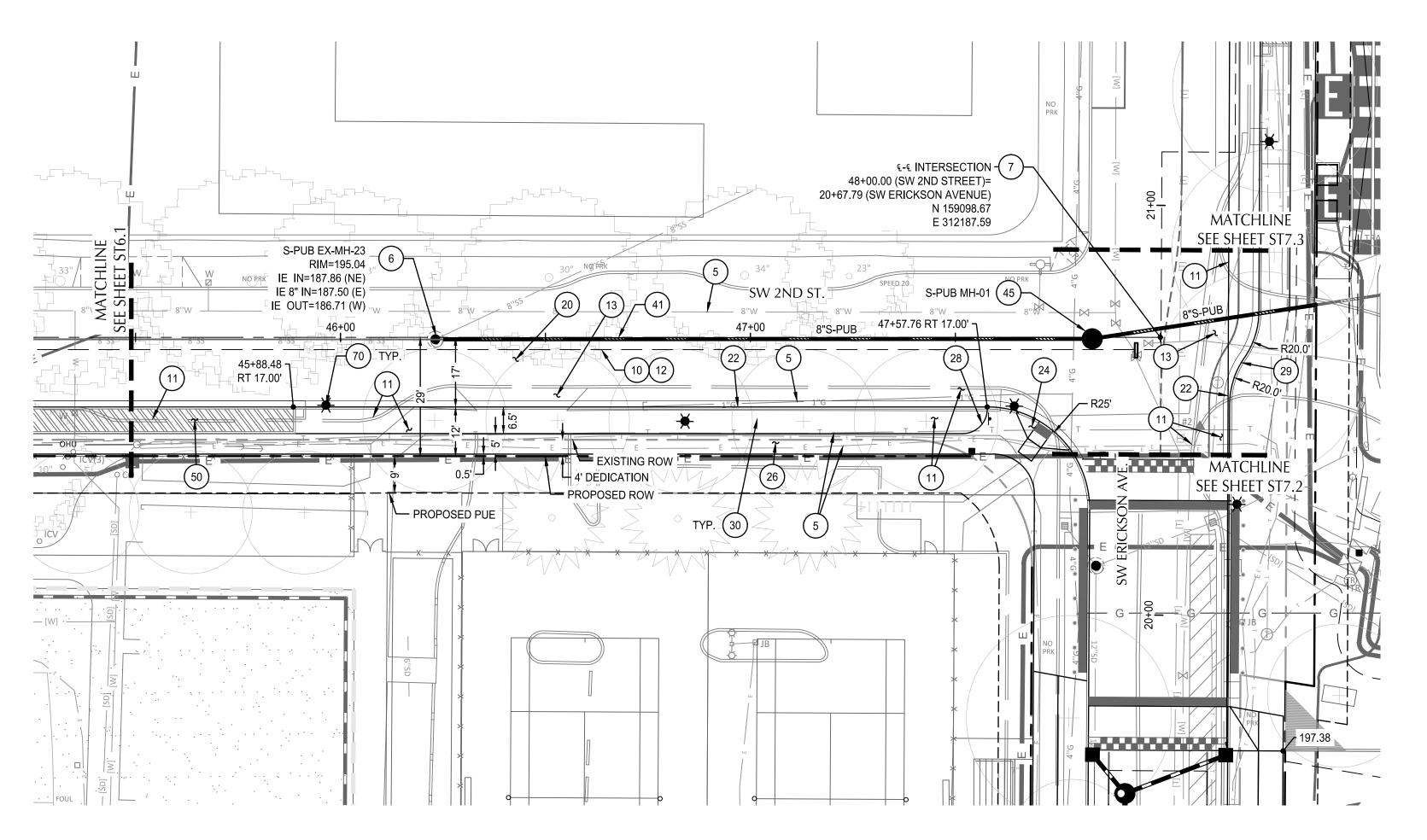
revisions

SET

LAND USE RESUBMITTAL







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

PUBLIC KEY NOTES

- ·5 PROTECT EXISTING UTILITY
- 6 CONNECT TO EXISTING STORM STRUCTURE VERIFY INVERTS
- 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
- 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 28 STANDARD TO CURB TIGHT SIDEWALK TRANSITION COB
- STANDARD DWG 217
- 29 CURB EXTENSION PER 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
- 47 MANHOLE CONNECTIONS COB STANDARD DWG 331
- 50 CWS STREETSIDE LIDA PLANTER (NO STREET PARKING) COB STANDARD DWG 370. AREA AS SHOWN.
- 70 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

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

XX XX-XX

X+XX.X RT X.X' ——LOCATION (WHERE APPLICABLE)

IE IN = XX.X STRUCTURE INFO (WHERE APPLICABLE) IE OUT = XX.X

PIPE LABEL

——— UTILITY LENGTH ----- UTILITY SIZE UTILITY TYPE XXLF - XX" XX

SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

<u>CALLOUT</u> <u>DESCRIPTION</u> CATCH BASIN MANHOLE OVERFLOW INLET

S=X.XX%

DETAIL REF.

1 INCH = 20 FEET







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BEAVERTON SCHOOL DISTRICT

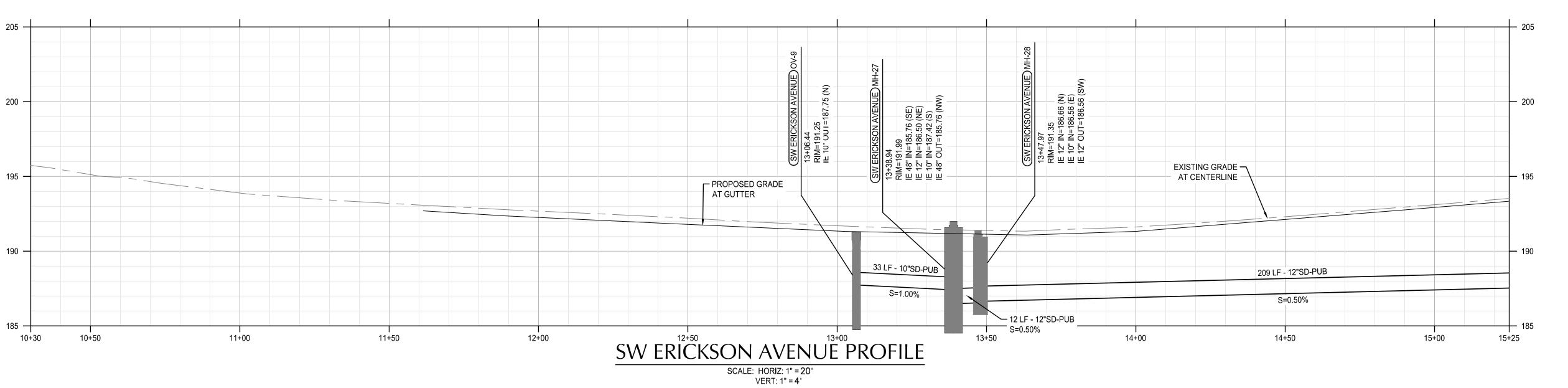
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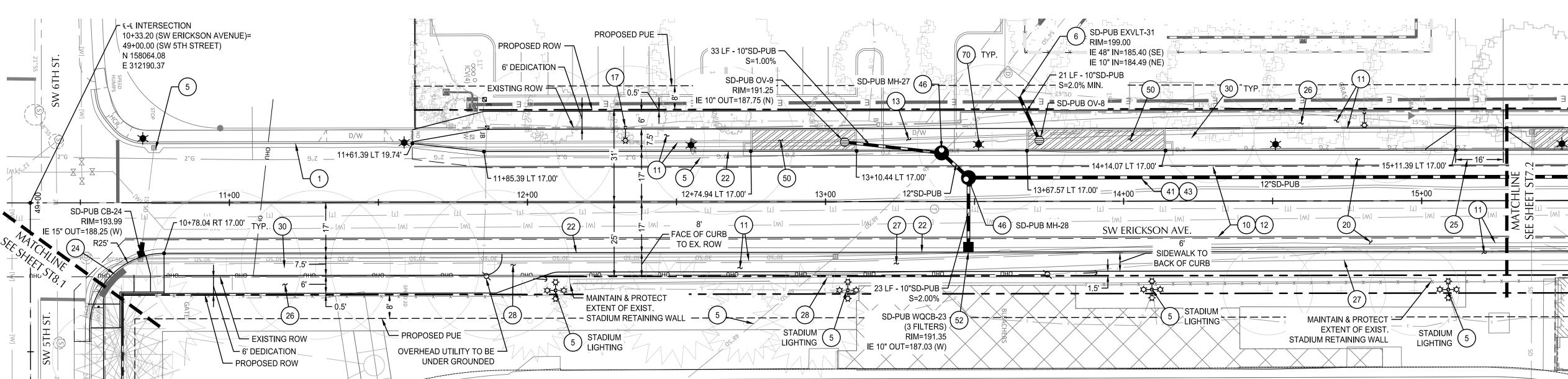


revisions

LAND USE RESUBMITTAL phase SET

08/11/2023 date 21016 project SW 2ND ST PLAN & PROFILE





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) IE IN = XX.X STRUCTURE INFO (WHERE APPLICABLE) IE OUT = XX.X PIPE LABEL — UTILITY LENGTH — UTILITY SIZE

XXLF - XX" XX S=X.XX%

— SLOPE (WHERE APPLICABLE)

DETAIL REF.

— UTILITY TYPE

STRUCTURE TYPE

<u>CALLOUT</u> <u>DESCRIPTION</u> CB CATCH BASIN MANHOLE **OVERFLOW INLET**

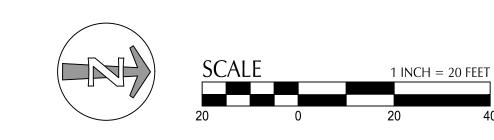
× PUBLIC KEY NOTES ·1 PROTECT CURB AND SIDEWALK

- 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 TREEWELL 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

- ALL WORK IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH THE 2020 CITY OF BEAVERTON STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS
- 2. 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.
- 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

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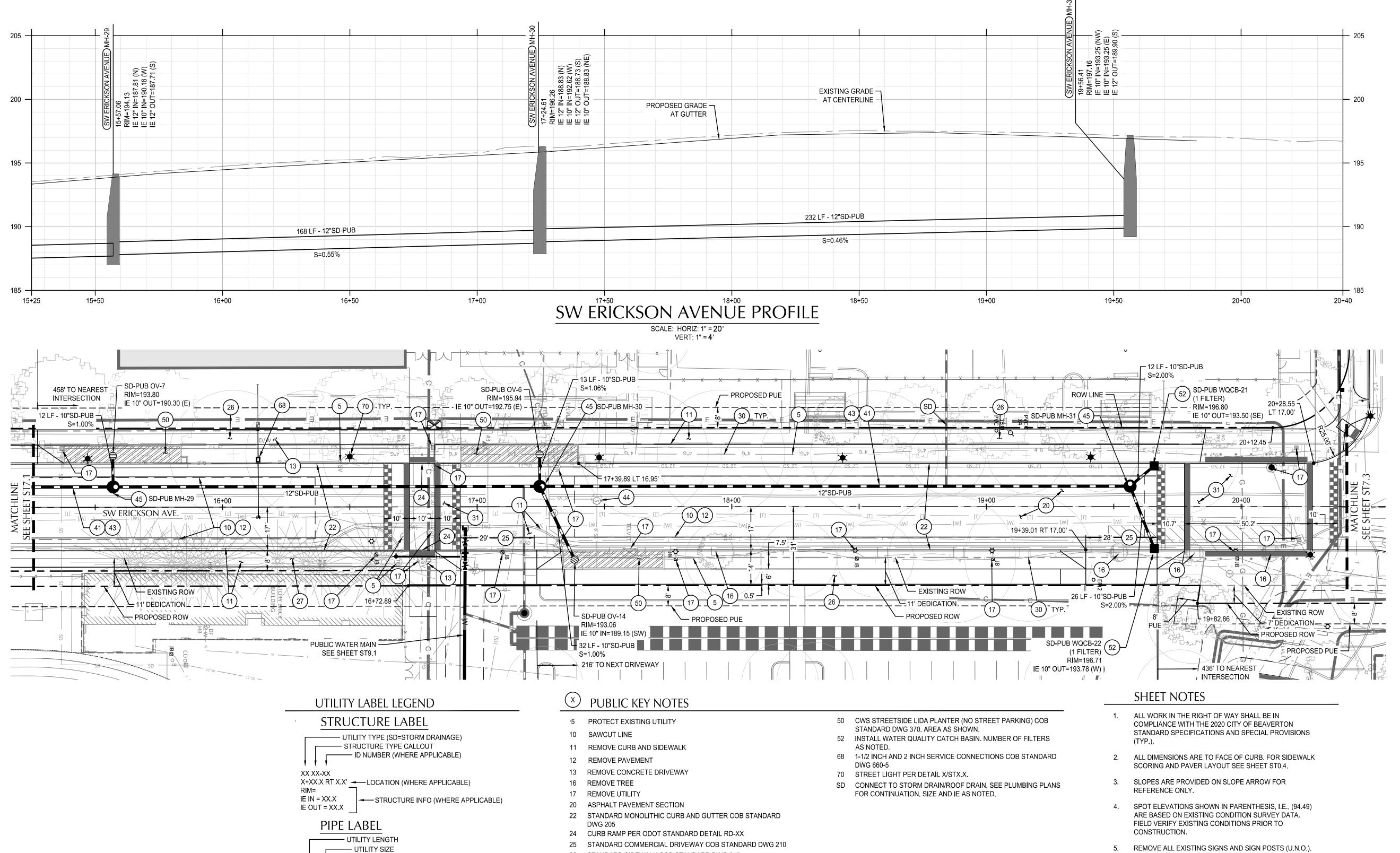


revisions

LAND USE RESUBMITTAL phase SET

08/11/2023 date 21016 project SW ERICKSON AVE

PLAN & PROFILE



26 STANDARD SIDEWALK COB STANDARD DWG 215

27 CURBTIGHT SIDEWALK COB STANDARD DWG 216

41 PIPE TRENCH BACKFILL COB STANDARD DWG 300

STANDARD DWG 330

30 STANDARD SIDEWALK TREEWELL COB STANDARD DWG 240

31 SPEED TABLE WITH CROSSWALK COB STANDARD DWG 255

43 PAVEMENT CUT RESTORATION COB STANDARD DWG 302

44 MANHOLE ADJUSTMENT SEQUENCE OPTION 2 COB STANDARD

45 CWS STANDARD MANHOLE WITH COB MODIFICATIONS COB

48 SHALLOW MANHOLE CONE COB STANDARD DWG 336

— UTILITY TYPE

—— SLOPE (WHERE APPLICABLE)

DETAIL REF.

STRUCTURE TYPE

XXLF - XX" XX

<u>CALLOUT</u> <u>DESCRIPTION</u>

CATCH BASIN

OVERFLOW INLET

MANHOLE

S=X.XX%

CB

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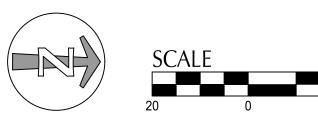
LAND USE RESUBMITTAL phase SET

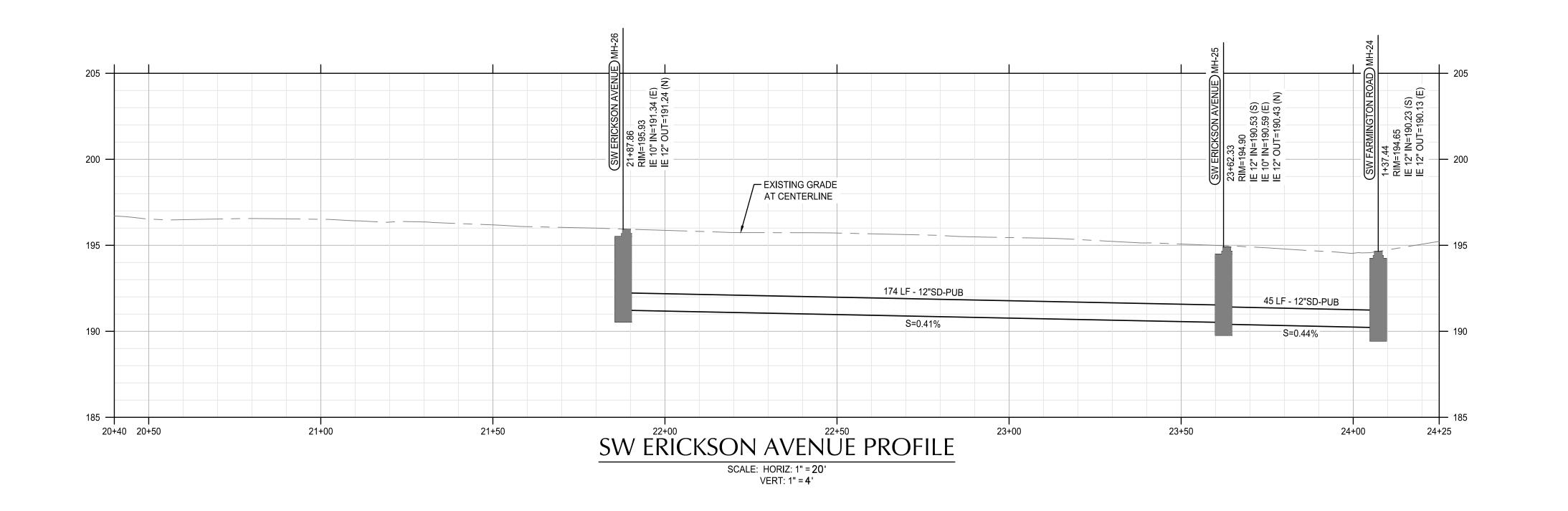
08/11/2023 date 21016 project SW ERICKSON AVE

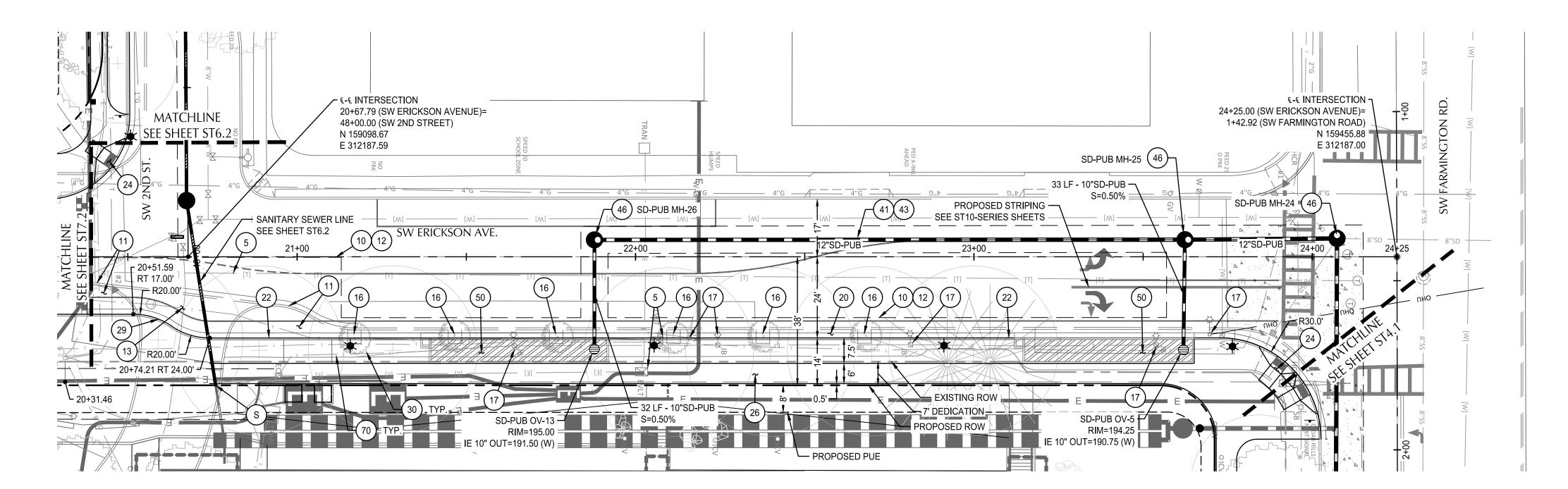
1 INCH = 20 FEET

PLAN & PROFILE

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







- ALL WORK IN THE RIGHT OF WAY SHALL BE IN COMPLIANCE WITH THE 2020 CITY OF BEAVERTON STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS
- 2. ALL DIMENSIONS ARE TO FACE OF CURB. FOR SIDEWALK SCORING AND PAVER LAYOUT SEE SHEET ST0.4.
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- 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
- 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.

× 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
- 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 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.







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BEAVERTON SCHOOL DISTRICT

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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) IE IN = XX.X STRUCTURE INFO (WHERE APPLICABLE) IE OUT = XX.X

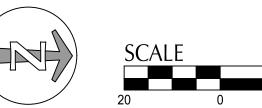
PIPE LABEL

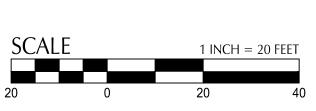
----- UTILITY LENGTH —— UTILITY SIZE UTILITY TYPE XXLF - XX" XX S=X.XX%

SLOPE (WHERE APPLICABLE)

STRUCTURE TYPE

<u>CALLOUT</u> <u>DESCRIPTION</u> CATCH BASIN MANHOLE OVERFLOW INLET





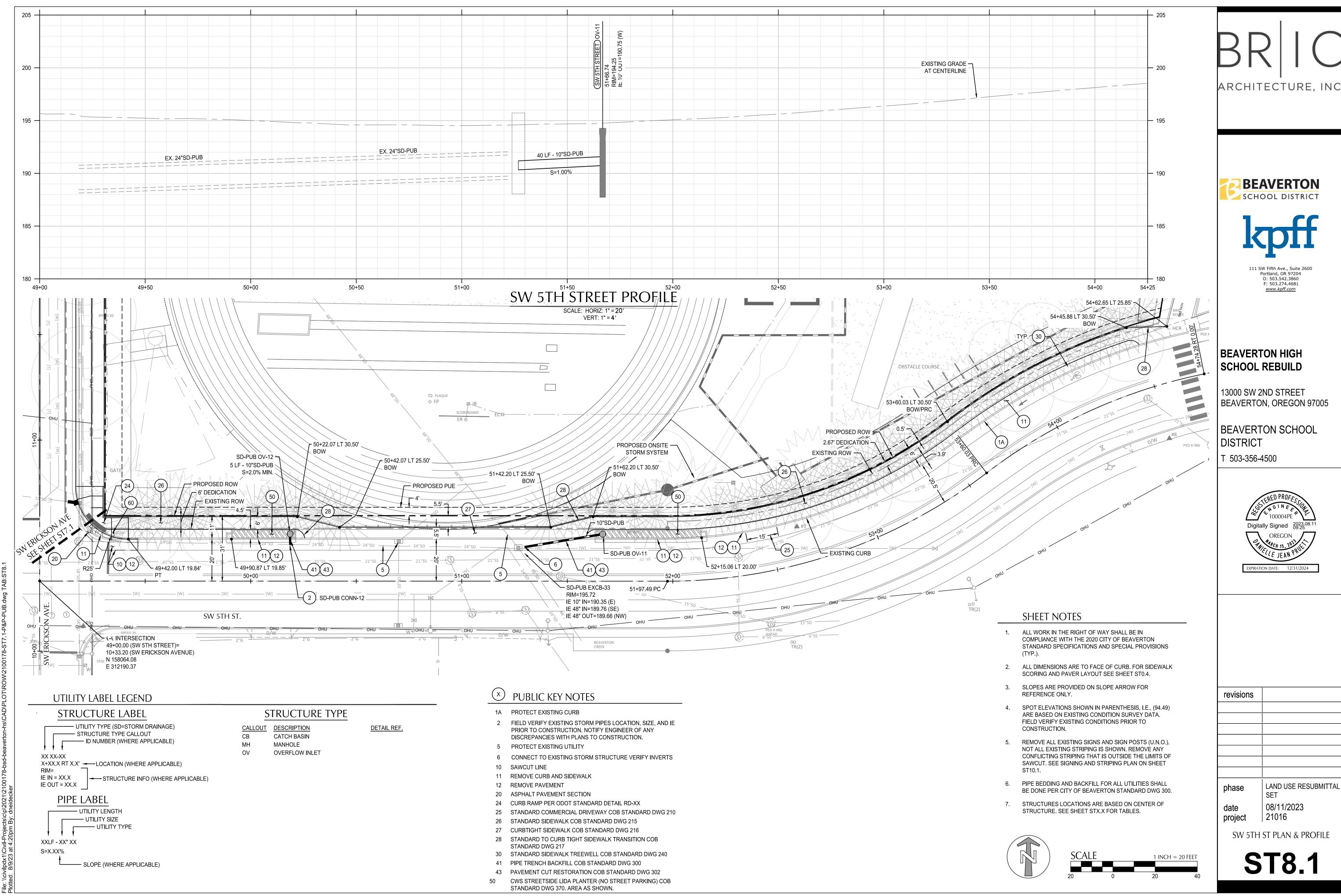
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revisions

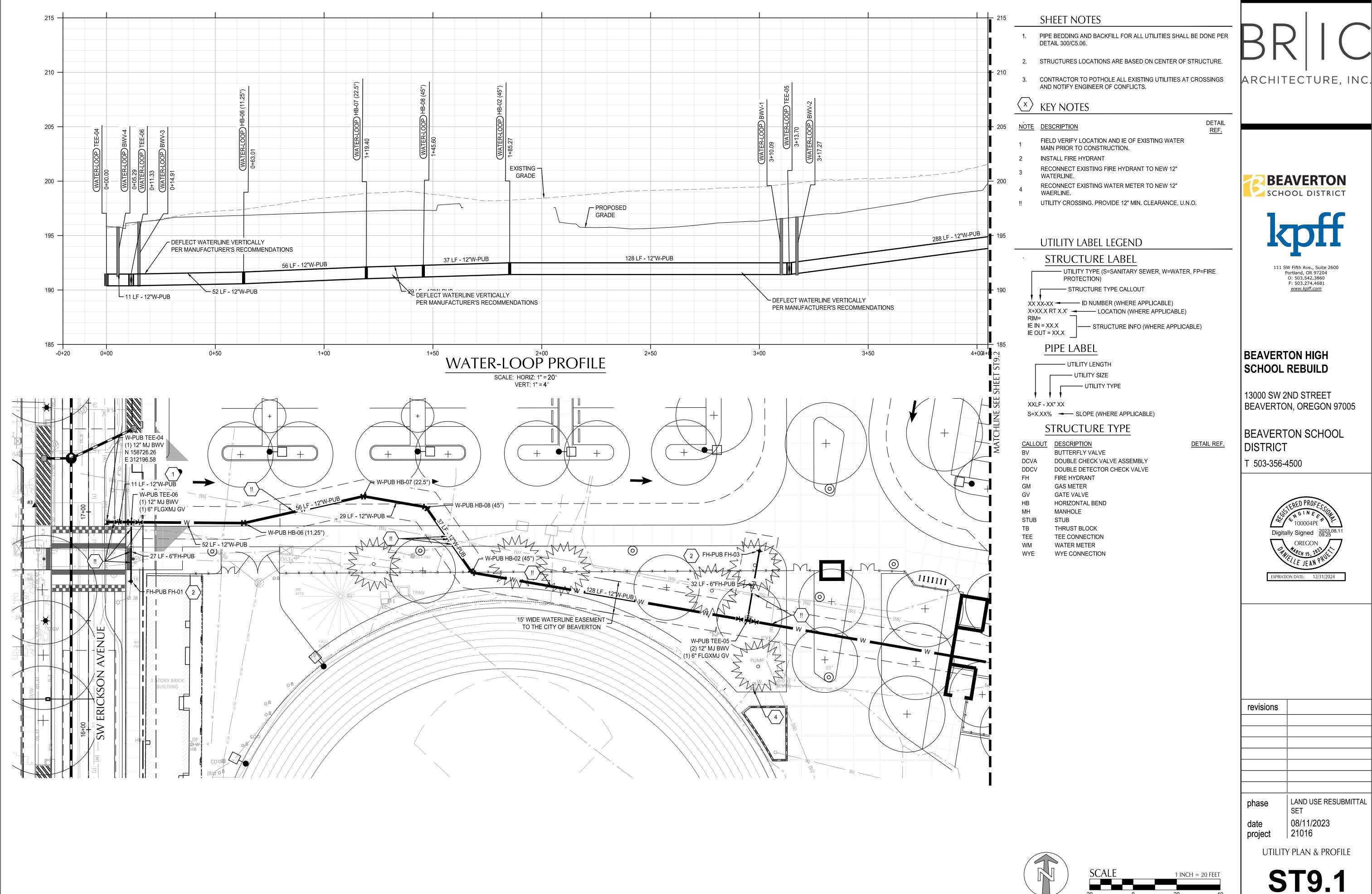
LAND USE RESUBMITTAL phase SET

08/11/2023 21016 project SW ERICKSON AVE PLAN &

PROFILE



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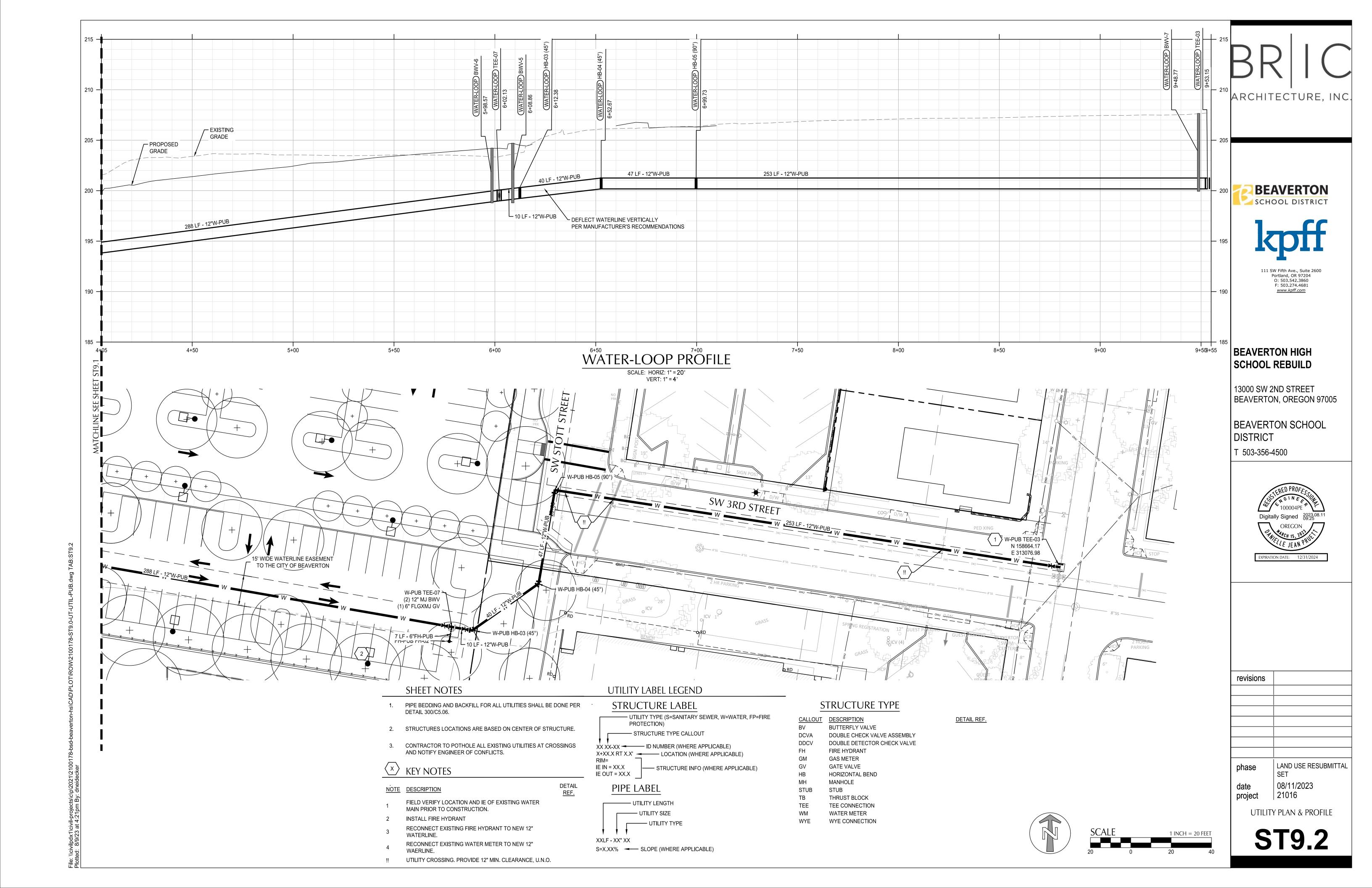
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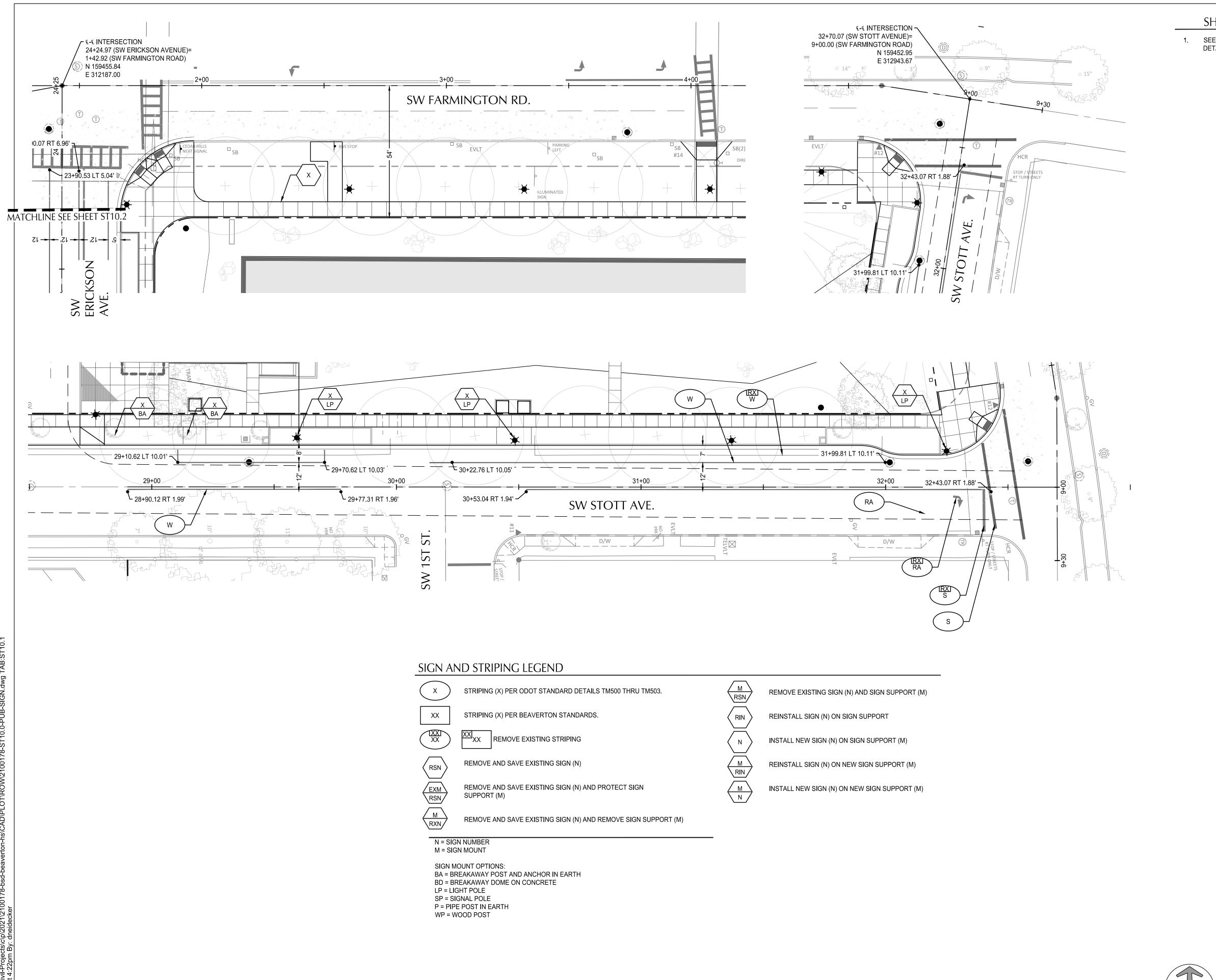
08/11/2023 date 21016 project

SET

ST9.1

UTILITY PLAN & PROFILE







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





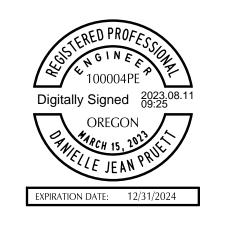


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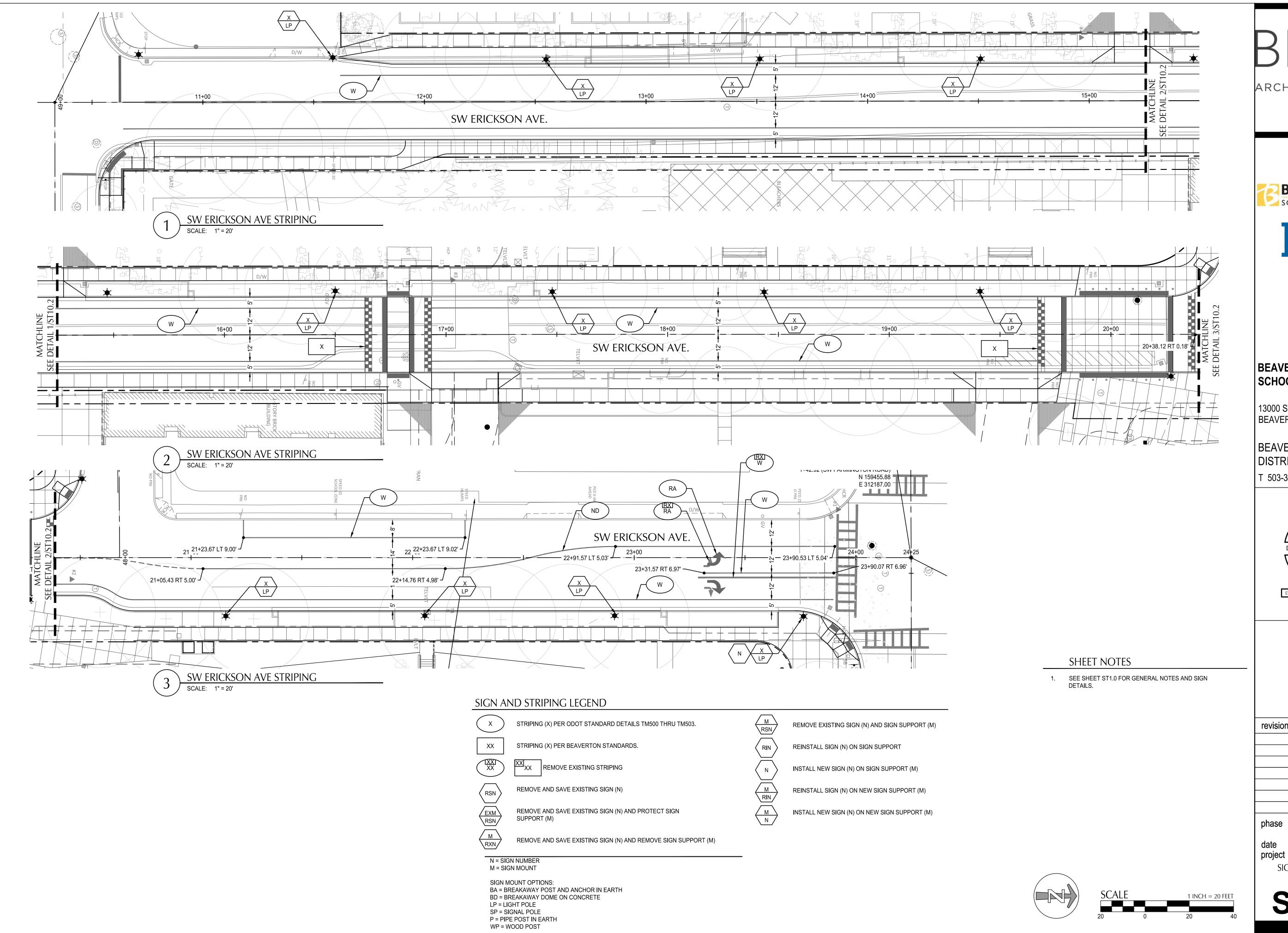
phase LAND USE RESUBMITTAL SET

date project

te 08/11/2023 nject 21016 SIGNING AND STRIPING

PLAN STAN A





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revisions

LAND USE RESUBMITTAL phase

SET

08/11/2023 21016 SIGNING AND STRIPING

PLAN

GENERAL NOTES

- 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.
- 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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LAND USE RESUBMITTAL SET
08/11/2023 21016

SIGNING AND STRIPING PLAN DETAILS

ST10.3



× PUBLIC KEY NOTES

SHEET NOTES





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STRUCTURE TYPE

SLOPE (WHERE APPLICABLE)

UTILITY LENGTH
UTILITY SIZE
UTILITY TYPE

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)

CALLOUT
CB CATCH BASIN
MH MANHOLE OVERFLOW INLET

IE IN = XX.X IE OUT = XX.X

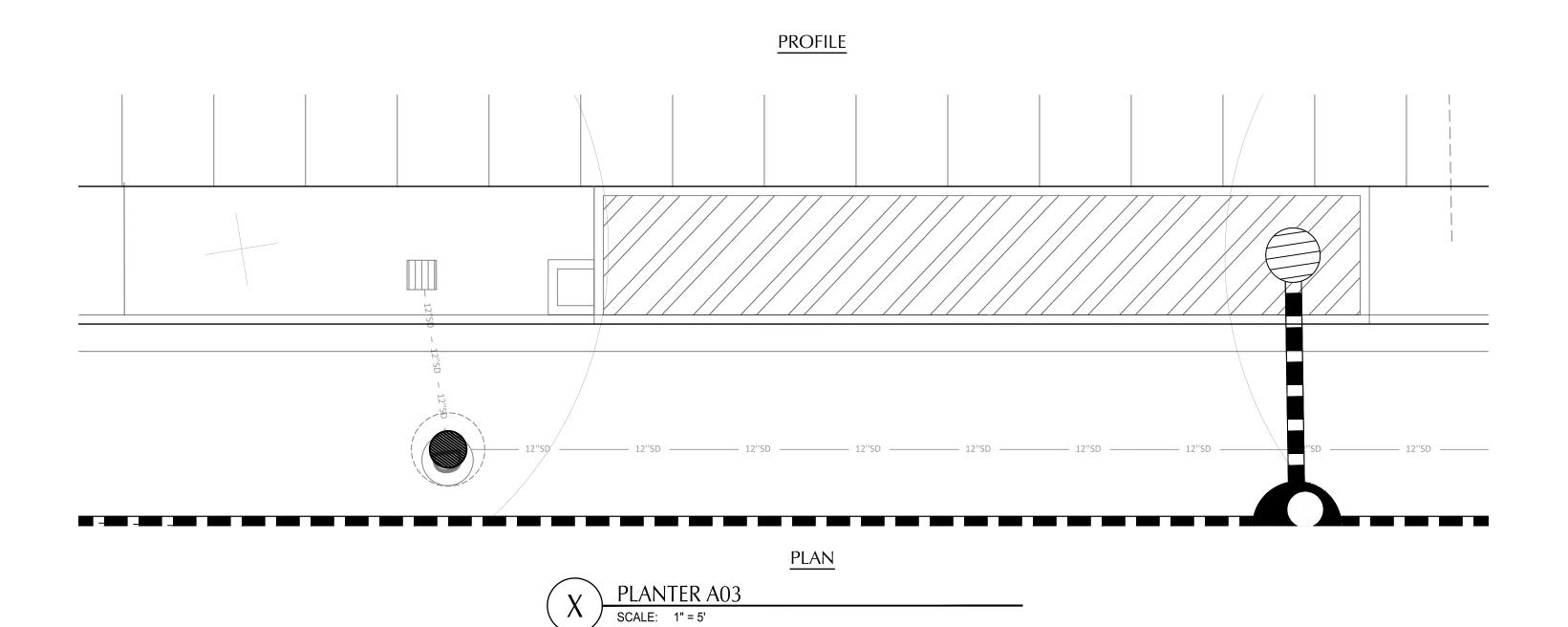
XXLF - XX" XX S=X.XX%

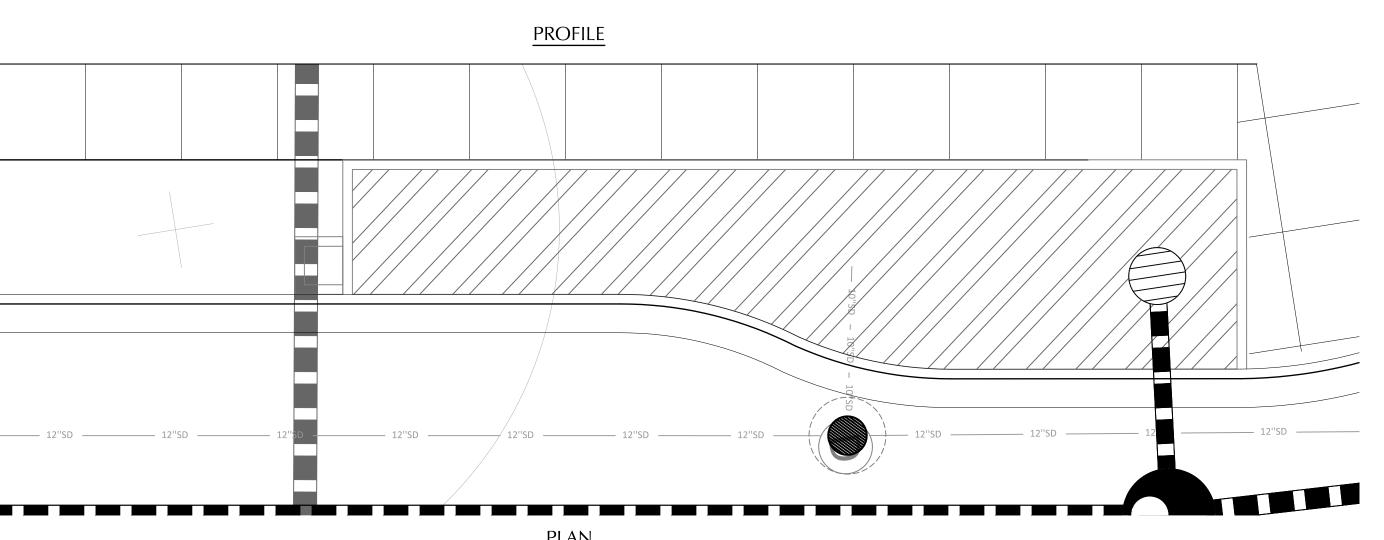
PIPE LABEL

DETAIL REF.

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

STORM PLANTER DETAILS





PLANTER A04



× PUBLIC KEY NOTES



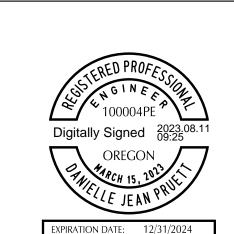


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STRUCTURE TYPE

SLOPE (WHERE APPLICABLE)

UTILITY LENGTH
UTILITY SIZE
UTILITY TYPE

UTILITY LABEL LEGEND

STRUCTURE LABEL

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

X+XX.X RT X.X' ___LOCATION (WHERE APPLICABLE)

CALLOUT DESCRIPTION
CB CATCH BASIN
MH MANHOLE
OV OVERFLOW INLET

XX XX-XX

IE IN = XX.X IE OUT = XX.X

XXLF - XX" XX S=X.XX%

PIPE LABEL

DETAIL REF.

phase LAND USE RESUBMITTAL

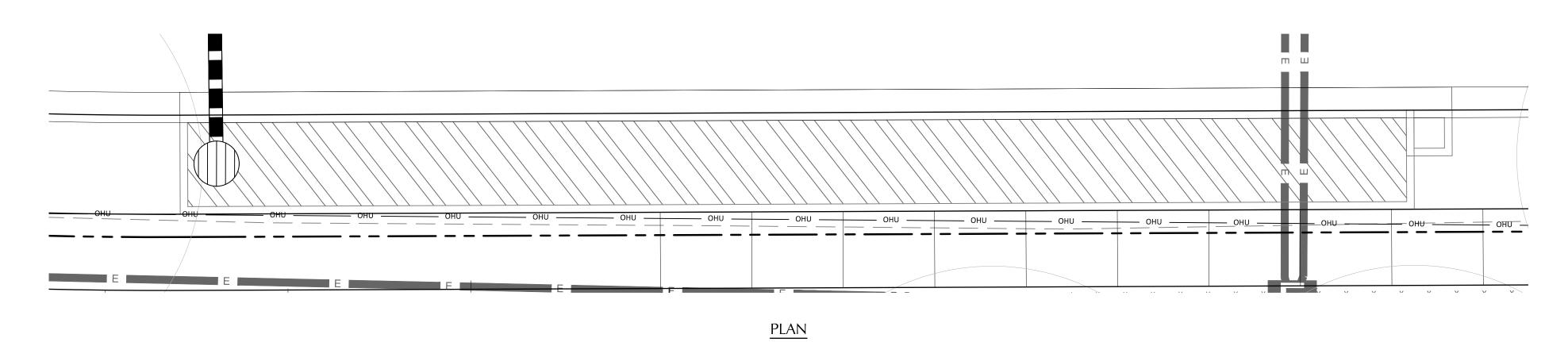
phase LAND USE RESUBMITTAL SET

date 08/11/2023 21016

STORM PLANTER DETAILS

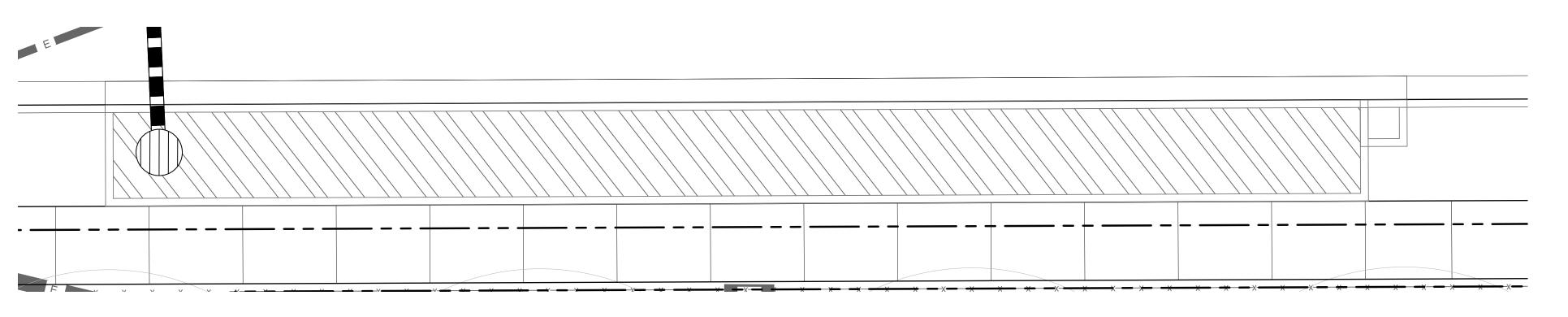
ST11.2

<u>PROFILE</u>



PLANTER B01
SCALE: 1" = 5'

<u>PROFILE</u>



PLANTER A04

SCALE: 1" = 5'

<u>PLAN</u>

PLANTER B06

SCALE: 1" = 5'

SHEET NOTES

× PUBLIC KEY NOTES





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STRUCTURE TYPE

CALLOUT DESCRIPTION
CB CATCH BASIN
MH MANHOLE OVERFLOW INLET

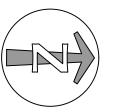
DETAIL REF.

STRUCTURE INFO (WHERE APPLICABLE)

revisions LAND USE RESUBMITTAL

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STORM PLANTER DETAILS





<u>PLAN</u>