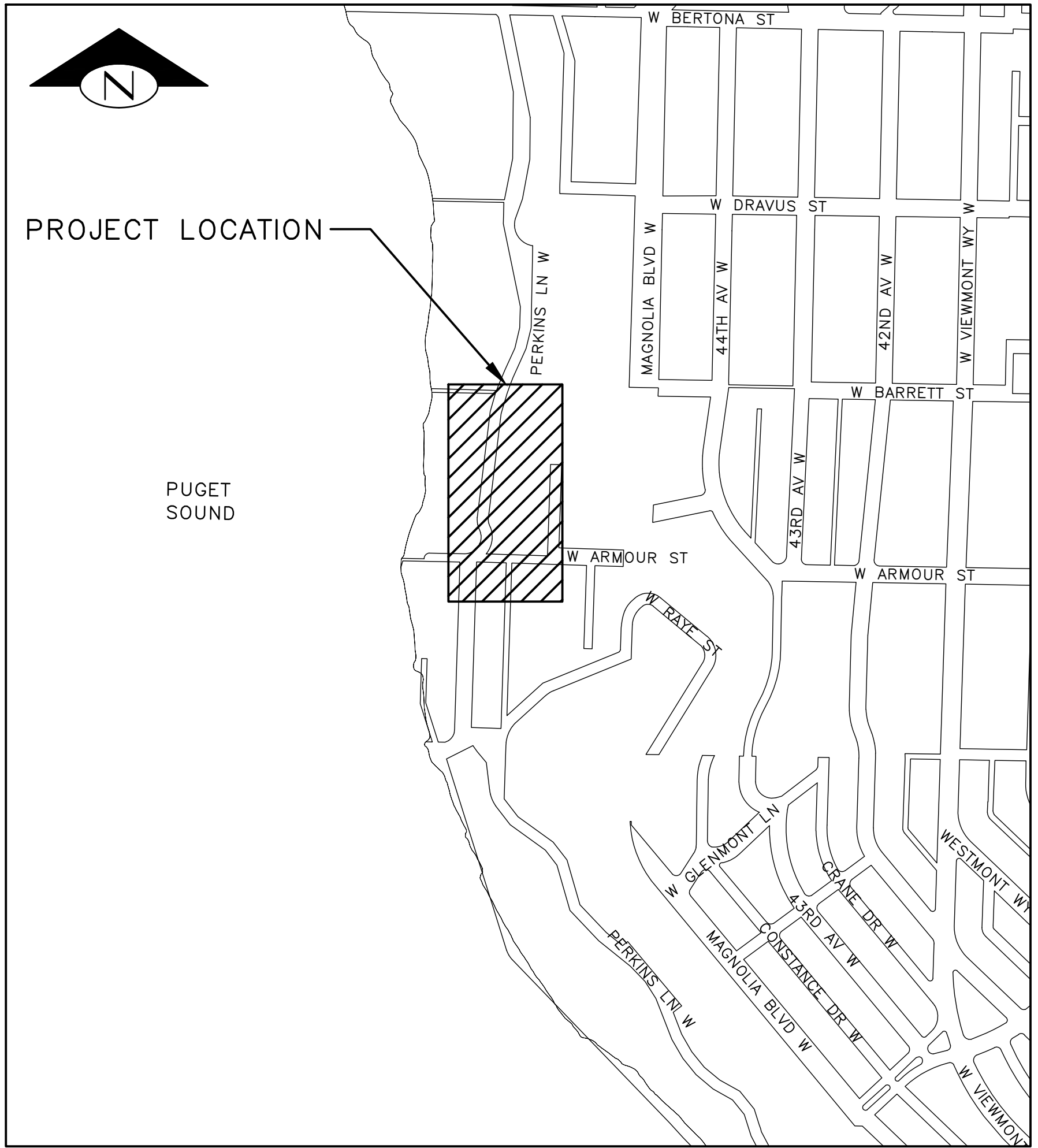
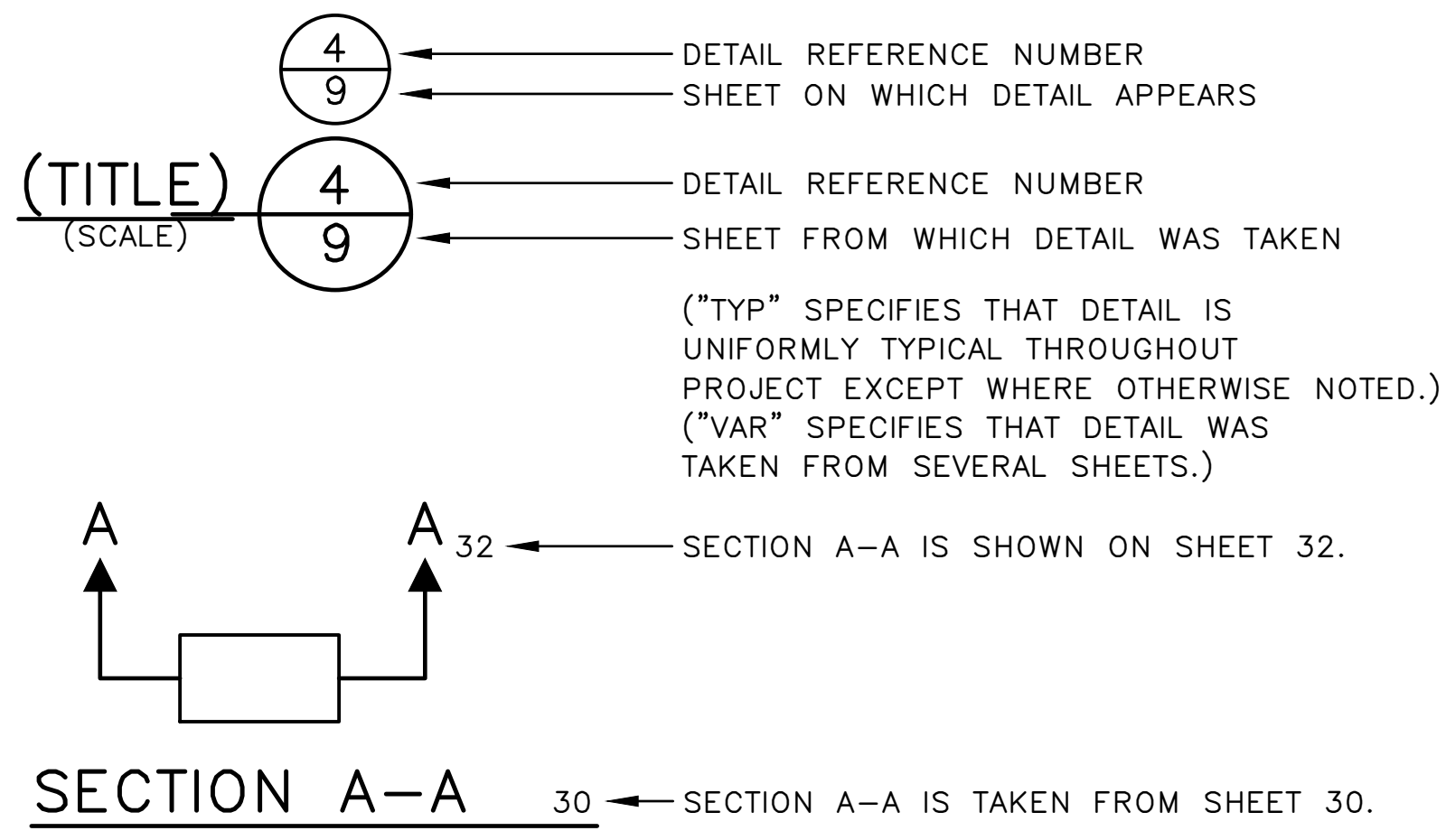


VICINITY MAP
SCALE: 1" = 1 MILE



LOCATION MAP
SCALE: 1" = 400'

DETAIL AND SECTION REFERENCING



SHEET INDEX

SHT NO	DWG NO	SHEET DESCRIPTION
1	G-001	VICINITY MAP, LOCATION MAP, DETAIL, SECTION REFERENCING & SHEET INDEX
2	G-002	STRUCTURAL NOTES
3	G-003	WATER MAIN NOTES
4	G-004	GENERAL NOTES
5	V-101	SURVEY CONTROL PLAN
6	CD101	SITE PREPARATION PLAN
7	S-101	RETAINING WALL PLAN & PROFILE (1 OF 2)
8	S-102	RETAINING WALL PLAN & PROFILE (2 OF 2)
9	S-201	WALL DETAILS (1 OF 3)
10	S-202	WALL DETAILS (2 OF 3)
11	S-203	WALL DETAILS (3 OF 3)
12	CU101	WATER MAIN PLAN & PROFILE
13	CU201	WATER SERVICE LIST
14	CU301	WATER DETAILS (1 OF 2)
15	CU302	WATER DETAILS (2 OF 2)
16	CP101	GRADING & ALIGNMENT PLAN
17	CP102	PAVING PLAN
18	CP201	ROADWAY SECTION & DETAILS

VAULT SERIAL NO.	DATE	MARK	NATURE	REVISIONS	MADE CHK'D	REV'D
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VICINITY MAP, LOCATION MAP, DETAIL, SECTION REFERENCING & SHEET INDEX

APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR SEATTLE, WASHINGTON 20 <i>Anna Owens</i> <small>Anna Owens (Apr 3, 2024 10:49 PDT)</small> FAS PURCHASING AND CONTRACTING DIRECTOR	INITIALS AND DATE DESIGNED CHECKED DRAWN SW CHECKED	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT		 ORDINANCE NO. 126955 PW NO. 2023-062 SCALE: AS NOTED	PERKINS LANE RETAINING WALL AND WATER MAIN REPLACEMENT	JOB NO. PC TRC1194 CO C601126 VPI # 782-333
						SHEET 1 OF 18

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GENERAL STRUCTURAL NOTES

UNLESS OTHERWISE NOTED ON THE DRAWINGS:

- ALL MATERIALS AND WORKMANSHIP MUST BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF SEATTLE "STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION" 2023 EDITION AND CITY OF SEATTLE STANDARD PLANS FOR MUNICIPAL CONSTRUCTION, 2023 EDITION, EXCEPT AS AMENDED BY THESE PLANS OR THE PROJECT SPECIAL PROVISIONS.
- THIS PROJECT HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FOLLOWING.
 - AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION, 2020
 - SITE-SPECIFIC GEOTECHNICAL DESIGN INFORMATION AS SHOWN BELOW.
- DESIGN LOADS:
 - DEAD LOAD:
 - CONCRETE UNIT WEIGHT: 155 PCF
 - STRUCTURAL STEEL UNIT WEIGHT: 490 PCF
 - EARTH PRESSURE:
 - SEE EARTH PRESSURE DIAGRAM ON THIS SHEET
- GEOTECHNICAL INFORMATION:

GEOTECHNICAL REPORT BY SPU GEOTECHNICAL ENGINEERING, TITLED "GEOTECHNICAL REPORT, 2817 PERKINS LANE EMERGENCY SLIDE PROJECT, SEATTLE, WA", DATED MARCH 2022.

- MATERIALS:
 - CONCRETE:

ALL CONCRETE PROPERTIES MUST BE IN ACCORDANCE WITH THE SPECIFIED CLASS AND 28-DAY COMPRESSIVE STRENGTH, f'_c , AS FOLLOWS:

 - SOLDIER PILE SHAFT CONCRETE, CLASS 4000P ($f'_c = 4,000$ PSI)
 - PRECAST CONCRETE FOR LAGGING, CLASS 4000 ($f'_c = 4,000$ PSI)
 - STRUCTURAL STEEL:
 - ALL STRUCTURAL STEEL MUST BE NEW AND CONFORM TO ASTM A992 GRADE 50 ($f_y = 50,000$ PSI) FOR WIDE FLANGE. ASTM A36 GRADE 36 ($f_y = 36,000$ PSI) FOR OTHER STEEL.
 - ALL STEEL MUST BE HOT DIP GALVANIZED PER ASTM A123.
 - REINFORCEMENT:

REINFORCING STEEL MUST BE DEFORMED AND CONFORM TO ASTM A615, GRADE 60 ($f_y = 60,000$ PSI)
 - BACKFILL:
 - BACKFILL MATERIAL MUST BE MINERAL AGGREGATE TYPE 17
 - FILTER MATERIAL FOR WALL DRAINAGE MUST BE MINERAL AGGREGATE TYPE 26

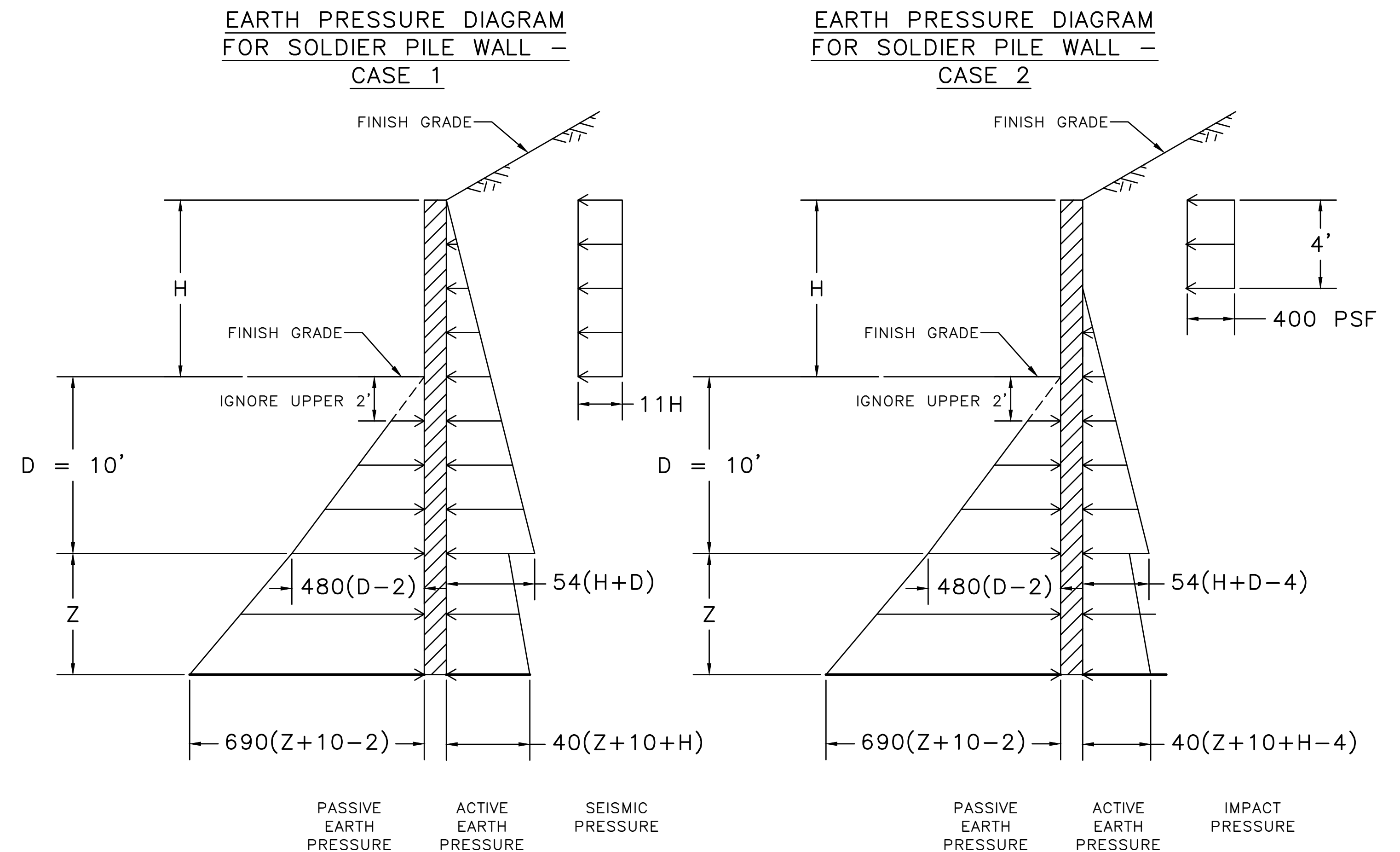
WALL CONSTRUCTION NOTES

UNLESS OTHERWISE NOTED ON THE DRAWINGS:

- FIELD CONDITIONS MAY VARY FROM THESE CONTRACT DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING FIELD CONDITIONS PRIOR TO SHOP FABRICATION. THE CONTRACTOR MUST VERIFY ALL RELEVANT DIMENSIONS AND DETAILS IN THE FIELD PRIOR TO CONSTRUCTION AND MUST NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- PILES HAVE BEEN LOCATED TO AVOID CONFLICTING WITH EXISTING AT-GRADE AND UNDERGROUND STORM DRAIN AND SANITARY SEWER LINES BASED ON BEST AVAILABLE INFORMATION. SEE CONTRACTOR NOTES ON SHEET 4.
- THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE EXISTING SLOPE AS WELL AS STRUCTURES AFFECTED BY THE WORK DURING CONSTRUCTION. TEMPORARY SUPPORTS AND FALSEWORK MUST BE PROPERLY RELEASED TO PREVENT IMPACT OR UNDUE STRESSES IN THE STRUCTURE.
- THE CONTRACTOR MUST BE RESPONSIBLE FOR THE STABILITY OF THE SOLDIER PILE SHAFT EXCAVATION DURING DRILLING AND CONCRETE PLACEMENT. SEE SPECIFICATIONS FOR MINIMUM REQUIREMENTS.
- THE CONTRACTOR MUST BE RESPONSIBLE FOR PICKING UP AND DELIVERING THE OWNER FURNISHED SOLDIER PILES (HOT DIP GALVANIZED) AT AN INTERSECTION OF PERKINS LANE WEST AND WEST MCLAREN STREET, APPROXIMATELY HALF MILE NORTH OF THE PROJECT LOCATION.
- ACCESS FOR CONSTRUCTION EQUIPMENT WILL BE FROM PERKINS LANE. ALL EQUIPMENT MUST BE PLACED ON THE STREET SIDE.
- THE CONTRACTOR MUST TAKE EXTREME CAUTION TO MINIMIZE DISRUPTION OF EXISTING VEGETATION AND SLOPES. THE CONTRACTOR IS RESPONSIBLE FOR STABILITY OF EXISTING SLOPES DURING CONSTRUCTION.
- LAGGING DIMENSIONS BASED ON A PILE TOLERANCE OF AS SHOWN IN THE SPECIFICATIONS. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL SOLDIER PILE WALL CONSTRUCTION REQUIREMENTS.
- EXISTING CONCRETE BLOCK WALL MAY REMAIN IN PLACE. ADJUST AS NECESSARY TO FIT WALL BACKFILL AND DRAINAGE.

NOTE:

- MAGNITUDE OF EARTH PRESSURES WAS CALCULATED BY FORMULAS SHOWN. ALL EARTH PRESSURES SHOWN ARE IN UNITS OF POUNDS PER SQUARE FOOT (PSF)
- PRESSURES SHOWN ARE UNFACTORED.
- PASSIVE RESISTANCE WAS APPLIED OVER 2 TIMES THE PILE DIAMETER. THE UPPER 2 FEET OF PASSIVE RESISTANCE WAS NEGLECTED TO ACCOUNT FOR POSSIBLE SOIL DISTURBANCE.
- DIAGRAMS ASSUME A DRAINED CONDITION



STRUCTURAL NOTES

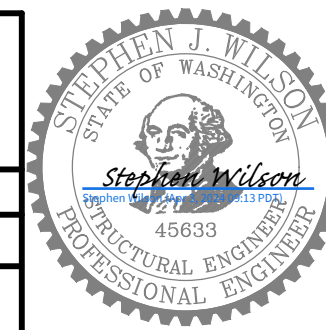
APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR

SEATTLE, WASHINGTON 20

BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

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ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.



Seattle Department of Transportation

ORDINANCE NO. 126955 FW NO. 2023-062

SCALE: NONE

PERKINS LANE RETAINING WALL AND WATER MAIN REPLACEMENT

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SHEET	2 OF 18

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GENERAL WATER NOTES

UNLESS OTHERWISE NOTED:

MATERIALS

1. ALL PIPE, APPURTENANCES AND WORK MUST CONFORM TO THE 2023 CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS.
2. ALL MATERIALS FOR WATER DISTRIBUTION MUST BE NEW IN ACCORDANCE WITH STD SPEC SECTIONS 7-11 AND 9-30.
3. TRENCH BACKFILL MUST BE PER MINERAL AGGREGATE TYPE 17. NATIVE MATERIAL WILL NOT BE ALLOWED.
4. PIPE (W) 4" AND LARGER MUST BE MATERIAL INDICATED PER PLAN. DUCTILE IRON PIPE (DIP) MUST BE CLASS 52 CONFORMING TO AWWA C-151 WITH DOUBLE THICK CEMENT MORTAR LINING CONFORMING TO AWWA C-104. HDPE PIPE MUST BE SOLID WALL DR 11 CONFORMING TO AWWA C906. JOINTING METHOD MUST BE PER SPECIFICATIONS.
5. FITTINGS ON RESTRAINED JOINTED (RJ) PIPE (W) 4" AND LARGER MUST BE DUCTILE IRON, RESTRAINED JOINTED, FITTINGS. RJ FITTINGS MUST CONFORM TO STD SPECS 9-30.2(3). MECHANICALLY JOINTED (MJ) FITTINGS MUST BE DUCTILE IRON AND CONFORM TO AWWA C-110 AND C-111, OR AWWA C-153. ALL RJ AND MJ FITTINGS MUST BE DOUBLE-THICK CEMENT MORTAR LINED CONFORMING TO AWWA C-104.
6. ALL MECHANICAL JOINTS ON DUCTILE IRON PIPE CONNECTIONS MUST BE RESTRAINED WITH WEDGE RESTRAINT GLANDS (WRG). WEDGE RESTRAINT GLANDS MUST NOT BE USED ON CAST IRON PIPE.
7. ALL DUCTILE IRON PIPE (W) 4" AND LARGER MUST BE POLYETHYLENE ENCASED (FILM WRAPPED) PER STD SPEC 7-11.3(6)B AND 9-30.1(4)D. EXTEND ENCASEMENT OVER DIP-TO-CIP FITTING CONNECTIONS TO THE TRENCH-END WALL AND SECURE TIGHTLY AROUND PIPES WITH DUCT TAPE.
8. CONTRACTOR TO WAX TAPE ALL WEDGE RESTRAINT GLANDS, FLANGED JOINTS, AND EXPOSED BOLTS, CONFORMING TO STD SPEC 9-30.1(4)F.
9. ALL GATE VALVES MUST BE INSTALLED WITH VALVE BOXES, UNLESS OTHERWISE NOTED. VALVE BOX AND OPERATING NUT EXTENSIONS MUST BE PER STD PLAN 315A AND 315B.

ENGINEER IF A CONFLICT IS IDENTIFIED TO ALLOW FOR ADJUSTMENTS THAT MAY BE NECESSARY.
 17.2. WHEN POTHOLING UTILITIES IS REQUIRED AS SHOWN ON THE DRAWINGS, AS SPECIFIED IN THE UTILITY VERIFICATION PLAN, OR WHERE OTHERWISE NECESSARY TO PROTECT EXISTING UTILITIES, THE CONTRACTOR MUST COMPLY WITH THE REQUIREMENTS OF STD SPEC 2-04.3(9) EXPLORATORY EXCAVATION AND UTILITY VERIFICATION.

WATER SERVICE NOTES

18. WATER SERVICE TRANSFERS FROM THE EXISTING MAIN TO THE NEW MAIN WILL BE MADE BY SPU WITH CONTRACTOR ASSISTANCE.

WORK ON EXISTING WATER MAINS

10. PRIOR TO LAYING WATER MAIN THE CONTRACTOR MUST:
 IN THE PRESENCE OF THE SPU RESIDENT ENGINEER, EXPOSE THE EXISTING WATER MAIN TO DETERMINE ITS ELEVATION AND ALIGNMENT AT CONNECTION POINTS PER STD SPEC 7-11.3(4B).
 10.2. PROVIDE ALL CONTROL SURVEYS REQUIRED TO DEFINE THE ALIGNMENT AND ELEVATIONS OF THE WATER MAIN IN CONFORMANCE WITH THE APPROVED PLAN. THE SURVEYS MUST BE PERFORMED BY A SURVEYOR LICENSED BY THE STATE OF WASHINGTON. ALL REFERENCE MARKS MUST BE PRESERVED DURING CONSTRUCTION. A GRADE SHEET, IN ACCEPTABLE FORMAT, MUST BE PROVIDED TO SPU PRIOR TO BEGINNING WORK.
11. ALL WATER MAINS MUST BE PRESSURE TESTED IN ACCORDANCE WITH STD SPEC 7-11.3(11) AND DISINFECTED IN ACCORDANCE WITH STD SPEC 7-11.3(12). ALL PRESSURE TESTING MUST BE DONE IN THE PRESENCE OF THE SPU RESIDENT ENGINEER. THE CONTRACTOR MUST PROVIDE PLUGS AND TEMPORARY BLOWOFF ASSEMBLIES FOR PRESSURE TESTING AND DISINFECTION. SEE STD PLAN 300 FOR FLUSHING CONNECTION DETAILS.
12. SYSTEM CONNECTIONS: CONTRACTOR MUST ASSIST SPU WITH CONNECTIONS TO EXISTING WATER MAINS PER STD PLANS 300A-C AND STD SPEC 7-11.3(9). SPU WILL PROVIDE THE CONNECTION FITTINGS TO EXISTING PIPE. CONTRACTOR MUST SUPPLY CONNECTION FITTINGS TO NEW PIPE.

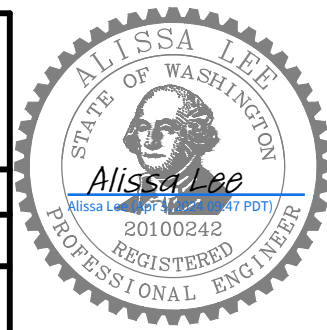
CONSTRUCTION METHODS

13. CARE MUST BE EXERCISED WHEN EXCAVATING NEAR EXISTING CHARGED WATER MAINS.
14. WATER MAIN SEPARATION FROM SEWER AND STORM DRAIN MUST BE PER STD PLAN 286A AND STD SPEC 1-07.17(2)A1 AND MAY REQUIRE ADJUSTMENT OF THE WATER MAIN RESTRAINED JOINT LOCATION TO CENTER A SINGLE 18' PIECE OF DIP AT THE CROSSING.
15. CURVES, HORIZONTAL ANGLE POINTS & VERTICAL GRADE POINTS MUST BE CONSTRUCTED BY DEFLECTING A MAXIMUM ONE-HALF OF THE MANUFACTURER'S ALLOWABLE JOINT DEFLECTION FOR PIPE AND FITTINGS, UNLESS OTHERWISE NOTED.
16. METERS FOR WATER SERVICES LOCATED UNDER DRIVING SURFACES MUST BE PROTECTED BY A FRAME AND COVER WITH INSPECTION COVER (F&C W/IC). THE F&C W/IC MUST BE SIMILAR TO STD PLAN 361 BUT MUST INCLUDE A ~9" AUXILIARY COVER INSET INTO THE MAIN COVER. F&C W/IC MUST BE RATED FOR AASHTO H-20 LOADING OR BETTER. PROVIDE 3 COURSES OF BRICK AND MORTAR UNDER FRAME SIMILAR TO BLOWOFFS IN STD PLAN 340B.
17. ADVANCED UTILITY VERIFICATION:
 17.1. THE CONTRACTOR MUST POTHOLE OR MAINTAIN AN OPEN EXCAVATION OF 60 FEET MINIMUM AHEAD OF THE WATER MAIN INSTALLATION TO UNCOVER AND OBTAIN LOCATION AND DEPTH INFORMATION FOR EXISTING UTILITIES THAT APPEAR CLOSE (WITHIN 18") TO THE PROPOSED WATER MAIN AND HAVE NO RECORDED DEPTH ON THE DRAWINGS. THE CONTRACTOR MUST NOTIFY THE

WATER MAIN NOTES

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SEATTLE, WASHINGTON 20		
BY: FAS PURCHASING AND CONTRACTING DIRECTOR	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	



Seattle Public Utilities
 ORDINANCE NO. 126955 PW NO. 2023-062
 SCALE: NONE

PERKINS LANE RETAINING WALL AND WATER MAIN REPLACEMENT

PC	C601126
CO	782-333
VPI #	G-003
SHEET	3 OF 18

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GENERAL NOTES

- ALL WORK MUST CONFORM TO THE 2023 EDITION OF THE CITY OF SEATTLE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, THE 2023 EDITION OF THE CITY OF SEATTLE STANDARD PLANS FOR MUNICIPAL CONSTRUCTION, AND THE SEATTLE DEPARTMENT OF TRANSPORTATION DIRECTOR'S RULE 01-2017 FOR STREET AND SIDEWALK PAVEMENT OPENING AND RESTORATION. A COPY OF THESE DOCUMENTS MUST BE ONSITE DURING CONSTRUCTION.
- FOR REQUIREMENTS REGARDING THE PROTECTION AND RESTORATION OF PUBLIC AND PRIVATE PROPERTY SEE SECTIONS 1-07.16 & 1-07.17.
- UNDER NO CIRCUMSTANCES WILL WORK BE PERFORMED WHICH WOULD REMOVE, ADJUST, DESTROY OR OTHERWISE MAKE A SURVEY MONUMENT NO LONGER VISIBLE OR READILY ACCESSIBLE WITHOUT A PERMIT FROM THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES. SEE AMENDED SECTION 1-07.28(17).
- TREES, SHRUBS AND OTHER PLANT MATERIAL NOT DESIGNATED FOR REMOVAL MUST BE PROTECTED FROM DAMAGE. SEE SECTIONS 1-07.16(2) AND 8-01 FOR REQUIREMENTS REGARDING THE TREE, VEGETATION AND SOIL PROTECTION PLAN.
- RESTORATION OF CONTRACTOR DAMAGE TO EXISTING UTILITIES MUST BE AT THE CONTRACTOR'S EXPENSE. SEE SECTIONS 1-07.13 AND 1-07.16.
- THE CONTRACTOR MUST NOTIFY THE UTILITIES FOR UNDERGROUND UTILITY LOCATIONS BEFORE COMMENCEMENT OF ANY EXCAVATION. ADVANCE NOTIFICATION IS REQUIRED. SEE SECTION 1-07.28.
- FOR NOTIFICATION AND COORDINATION REQUIREMENTS, INCLUDING COMMUNICATION WITH METRO TRANSIT, SEE SECTIONS 1-07.17 AND 1-07.28.
- ALL EXCAVATIONS ADJACENT TO SEATTLE CITY LIGHT POLES OR OTHER FACILITIES (VAULTS, HANDHOLES, ETC.) MUST COMPLY WITH WAC 296-155, PART N, EXCAVATION, TRENCHING AND SHORING. POLE PROTECTION/SUPPORTING SYSTEMS USED WHILE EXCAVATING MUST COMPLY WITH WAC 296-155-655, GENERAL PROTECTION REQUIREMENTS, ITEM (9) AND MUST NOT AFFECT THE STRUCTURAL INTEGRITY OF POLES WHILE THE SYSTEMS ARE IN PLACE OR AFTER THE SYSTEMS HAVE BEEN REMOVED.
- DATUM: NAV88 AND NAD83 (2011) 2010.00 EPOCH.
- THE CONTRACTOR IS RESPONSIBLE FOR REFERENCING AND REPLACING ALL SURVEY MONUMENTS THAT MAY BE DISTURBED, DESTROYED OR REMOVED BY THE PROJECT AND 2-DAYS PRIOR TO THE WORK, MUST FILE AN APPLICATION FOR PERMIT TO REMOVE OR DESTROY A SURVEY MONUMENT WITH THE WASHINGTON STATE DEPARTMENT OF NATURAL RESOURCES, PURSUANT TO WAC 332-120. THE CONTRACTOR MUST PROVIDE THE ENGINEER AND SPU LAND SURVEY WITH A COPY OF THE APPROVED PERMIT AND COMPLETION REPORT. SEE STANDARD SPECIFICATION 1-07.17.
- CONTRACTOR MUST PERFORM UTILITY VERIFICATION PER SHEET 6 AND THE SPECIFICATIONS. NOTIFY ENGINEER OF ANY UTILITIES ENCOUNTERED AND OF ANY DISCREPANCIES IN LOCATION BETWEEN ACTUAL UTILITIES AND THE UTILITY LOCATION SHOWN ON THESE DRAWINGS. DRAIN PIPES AND SANITARY SEWER PIPES MUST BE PRESERVED AND PROTECTED
- IF THERE IS ANY EVIDENCE OF DISCHARGE OF SEWAGE OR IF A SIDE SEWER GETS DAMAGED DURING CONSTRUCTION, THEN CONTACT THE SPU INSPECTOR IMMEDIATELY AT 206-376-7739.
- CONTRACTOR IS ALERTED THAT AN EAGLE'S NEST IS PRESENT IN THE PROJECT VICINITY AND THAT PERMIT CONDITIONS APPLY. SEE PROJECT SPECIFICATIONS.

STREET LIGHTING GENERAL NOTES

- EXISTING STREET LIGHTING SYSTEM MUST BE MAINTAINED DURING CONSTRUCTION.
- WORK MUST BE SCHEDULED SUCH THAT NO TWO (2) ADJACENT OR OPPOSITE STREETLIGHTS ARE DISABLED AT ANY ONE TIME.
- ANY EXCAVATION IN PROXIMITY TO AN EXISTING STREETLIGHT POLE MUST BE DONE WITHOUT UNDERMINING ITS STABILITY. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY STABILIZING SUPPORT.
- MAINTAIN MINIMUM HORIZONTAL & VERTICAL CLEARANCES BETWEEN SCL UNDERGROUND STRUCTURES AND VARIOUS OTHER UTILITY STRUCTURES PER SCL CONSTRUCTION STANDARD 0214.00.

DRAINAGE NOTES

UNLESS OTHERWISE NOTED ON THE DRAWINGS:

- CATCH BASIN CONNECTIONS AND INLET CONNECTIONS MUST BE 8" DIAMETER. PIPE MUST BE CEMENT MORTAR LINED DUCTILE IRON CLASS 50(MIN) PER SPECIFICATION 9-05.3. FITTINGS MUST BE CEMENT MORTAR LINED DUCTILE IRON. JOINTS MUST BE RUBBER GASKET.
- DUCTILE IRON PIPE BEDDING MUST BE CLASS B MNRL AGG TYPE 22. TRENCH BACKFILL MUST BE IMPORTED MINERAL AGGREGATE TYPE 17.
- CATCH BASIN CONNECTIONS MUST BE PLACED AT A MINIMUM SLOPE OF 2% AND A MAXIMUM SLOPE OF 100% PER STANDARD PLAN NO. 261 AND SPECIFICATION 7-08.3(4).
- INLET CONNECTIONS MUST BE PLACED AT A MINIMUM SLOPE OF 5% AND A MAXIMUM SLOPE OF 50% PER SPECIFICATION 7-08.3(5).
- CATCH BASINS AND INLETS MUST BE LOCATED PER STANDARD PLAN NO. 260A AND 260B.
- TELEVISION INSPECTION OF CATCH BASIN CONNECTIONS MUST BE PER SPECIFICATION 7-17.3(4)G.
- CONTRACTORS ARE NOT ALLOWED TO CORE INTO MAINS OR STRUCTURES WITHOUT PRIOR APPROVAL FROM SPU. TO SCHEDULE CORE TAPS, CONTACT SPU AT 206-615-0511 A MINIMUM OF 48 HOURS IN ADVANCE. SPU MUST BE ON SITE PRIOR TO THE START OF CONTRACTOR PERFORMED CORE TAP. CONTRACTORS PERFORMING CORE TAPS MUST PROVIDE THE COUPON OF REMOVED MATERIAL TO SPU.
- WHEN CONNECTING TO EXISTING SEWER AND DRAINAGE LINES, THE CONTRACTOR MUST VERIFY INVERT ELEVATIONS PRIOR TO CONSTRUCTION. DISCREPANCIES IN INVERT ELEVATIONS MUST BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- SEATTLE PUBLIC UTILITIES (SPU) APPROVAL IS REQUIRED FOR ALL PROPOSED NEW CATCH BASINS, INLETS AND PIPES PRIOR TO FINAL SURFACE RESTORATION. CONTACT THE ENGINEER, 48 HOURS IN ADVANCE.

ROADWAY NOTES

UNLESS OTHERWISE NOTED ON THE DRAWINGS:

- PAVEMENT, SIDEWALK AND CURB REMOVALS MUST EXTEND TO EXISTING JOINTS, TO LIMITS IDENTIFIED AS "SAWCUT" ON THE DRAWINGS, OR TO LIMITS DETERMINED BY THE ENGINEER. SEE SECTION 2-02.3.
- ALL JOINTS AT THE MEET LINES OF NEW CONSTRUCTION AND EXISTING SURFACES MUST BE BUTT JOINTS. SEE SECTION 5-04.3(10)B.
- PAVING AROUND INLETS AND CATCH BASINS MUST BE SLOPED TO ESTABLISH A DRAINAGE TRANSITION ZONE PER STANDARD PLAN 260A.
- IF AN EXISTING WATER VALVE BOX REQUIRES ADJUSTMENT, IT MUST BE DONE BY EXCAVATING THE CASTING AND VERTICALLY ADJUSTING THE TOP SECTION OF THE VALVE BOX. THE FLANGE MUST BE CAST IN TO SURROUNDING PAVEMENT AS SHOWN ON STD PLAN 315. DO NOT USE EXTENSION RINGS.
- CONTRACTOR MUST ADJUST CASTINGS IN ACCORDANCE WITH SECTION 7-20. CASTINGS MUST BE ADJUSTED TO FINISH GRADE PRIOR TO CONSTRUCTION OF FINAL SURFACE COURSE PER SECTION 5-04.3(9)B. WORN OR BROKEN CASTINGS TO BE REPLACED MUST BE REPLACED PRIOR TO INSTALLATION OF THE FINAL SURFACE.
- HMA SURFACE COURSE FOR ROADWAY MUST BE CLASS 3/4", PG58H-22 FOR 10 MILLION ESAL'S. HMA SURFACE COURSE FOR ASPHALT WALKS MUST BE CLASS 1/2" PG58H-22 FOR 3 MILLION ESAL'S.
- HMA BASE COURSE FOR ROADWAY MUST BE CLASS 1/2", PG58H-22 FOR 10 MILLION ESAL'S.

STORMWATER POLLUTION PREVENTION NOTE

- THE CONTRACTOR MUST PREPARE A CONSTRUCTION STORMWATER AND EROSION CONTROL PLAN (CSECP), A TREE, VEGETATION AND SOIL PROTECTION PLAN (TVSPP) AND A SPILL CONTROL AND COUNTERMEASURE PLAN (SCCP) FOR APPROVAL BY THE ENGINEER PRIOR TO CONSTRUCTION. SEE SECTIONS 1-07.15 AND 8-01.

SIGNING NOTE

UNLESS OTHERWISE NOTED:

- TO ORDER SDOT PROVIDED SIGN, OR TO COORDINATE SDOT'S INSTALLATION OF SIGNS, SEE SECTION 8-21.3(1). ADVANCE NOTIFICATION IS REQUIRED. CONTACT SDOT SIGNS AND MARKING SHOP AT (206) 233-7104.

TREE PROTECTION AND LANDSCAPE RESTORATION

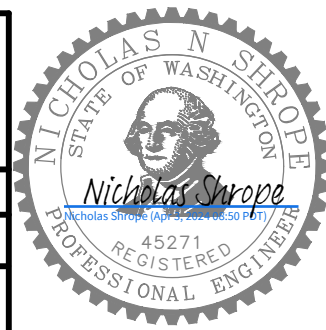

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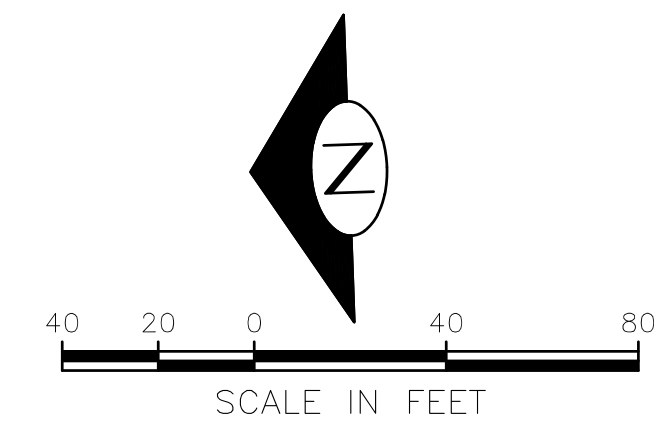
- THE CONTRACTOR MUST SUBMIT A TREE, VEGETATION, AND SOIL PROTECTION PLAN (TVSPP) IN ACCORDANCE WITH 8-01.3(2)B. ALL TREES NOT IDENTIFIED FOR REMOVAL MUST BE PROTECTED PER STANDARD PLAN 132A, 132B, AND 133. NOTE AND PHOTOGRAPH CONDITIONS AND MATERIALS IN EXISTING TREE PITS TO INCLUDING PAVERS FOR REVIEW BY SDOT URBAN FORESTRY.
- AIR SPADING REQUIRED**
ALL TRENCH EXCAVATION IN THE TREE DRIPLINE MUST BE PERFORMED TO FULL DEPTH AND WIDTH OF THE EXCAVATION WITH AN AIR SPADE UNDER THE SUPERVISION OF AN SDOT URBAN FORESTRY ARBORIST. WATER SLUICING IS NOT ALLOWED. RETAIN ALL STRUCTURAL ROOTS (1 INCH OR GREATER) ACROSS TRENCHES. SDOT URBAN FORESTRY ARBORIST TO DIRECT ROOT PRUNING IF NECESSARY.
- AVOID DAMAGE TO ROOTS DURING CONCRETE SAWCUTTING, DEMOLITION, EXCAVATION, AND TRENCHING.
- REMOVE PAVEMENT WITHIN TREE DRIPLINE BY SAWCUTTING FREQUENTLY (12 TO 18-INCHES O.C.) TO ALLOW SMALL PIECES TO BREAK OUT. IF PART OF PAVEMENT IS FIRMLY ATTACHED TO ROOTS GREATER THAN 1-INCH, PRUNE ROOTS UNDER SUPERVISION OF SDOT URBAN FORESTRY ARBORIST.
- ALL DISTURBED SOILS MUST BE AMENDED PER STANDARD PLAN 142 AND SECTION 8-02 OF THE STANDARD SPECIFICATIONS UNLESS DISTURBANCE IS LIMITED TO WITHIN ONE FOOT OF A CURB OR SIDEWALK, THREE FEET OF A UTILITY STRUCTURE (E.G. WATER METER, UTILITY POLE, HAND HOLE, ETC.), OR THE DRIPLINE OF AN EXISTING TREE.
- COORDINATE TREE REMOVAL AND TRIMMING ON PRIVATE PROPERTY WITH PROPERTY OWNER.

GENERAL NOTES

VAULT	SERIAL NO.	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D
	38337							

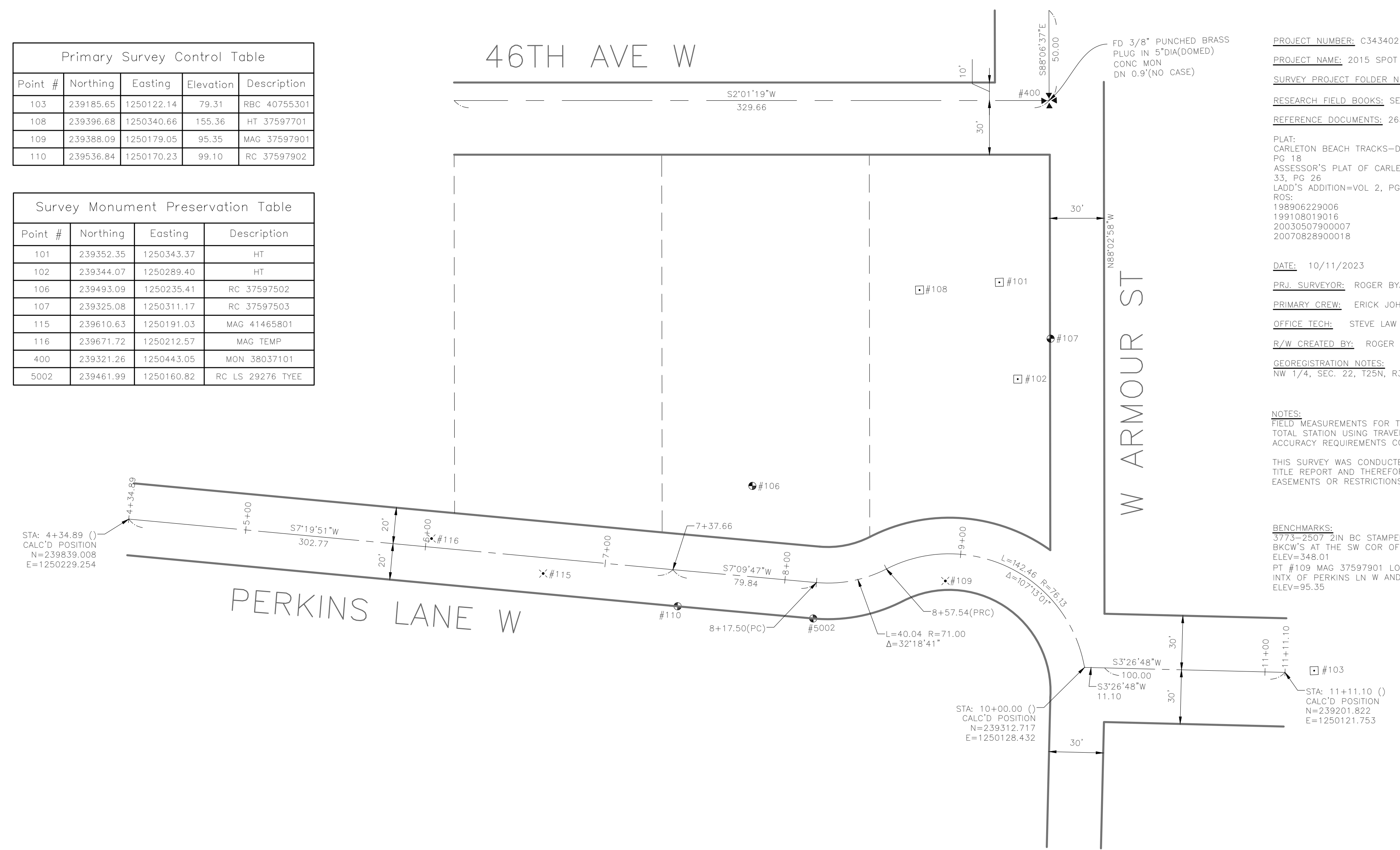
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Mar-22-24 2:42pm

APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR SEATTLE, WASHINGTON 20 BY: FAS PURCHASING AND CONTRACTING DIRECTOR	INITIALS AND DATE DESIGNED CHECKED DRAWN CHECKED	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT	  Seattle Department of Transportation ORDINANCE NO. 126955 PW NO. 2023-062 SCALE: NONE	PERKINS LANE RETAINING WALL AND WATER MAIN REPLACEMENT	PC TRC1194 CO VPI # 782-333
	SHEET 4 OF 18				



Primary Survey Control Table				
Point #	Northing	Easting	Elevation	Description
103	239185.65	1250122.14	79.31	RBC 40755301
108	239396.68	1250340.66	155.36	HT 37597701
109	239388.09	1250179.05	95.35	MAG 37597901
110	239536.84	1250170.23	99.10	RC 37597902

Survey Monument Preservation Table			
Point #	Northing	Easting	Description
101	239352.35	1250343.37	HT
102	239344.07	1250289.40	HT
106	239493.09	1250235.41	RC 37597502
107	239325.08	1250311.17	RC 37597503
115	239610.63	1250191.03	MAG 41465801
116	239671.72	1250212.57	MAG TEMP
400	239321.26	1250443.05	MON 38037101
5002	239461.99	1250160.82	RC LS 29276 TYEE



PROJECT NUMBER: C343402
 PROJECT NAME: 2015 SPOT PERKINS LN
 SURVEY PROJECT FOLDER NUMBER: 261-1543
 RESEARCH FIELD BOOKS: SED 2709, SED 2737
 REFERENCE DOCUMENTS: 265-169, 261-975
 PLAT: CARLETON BEACH TRACKS-DIVISION D=VOL 25, PG 18
 ASSESSOR'S PLAT OF CARLETON HIGHLANDS=VOL 33, PG 26
 LADD'S ADDITION=VOL 2, PG 59
 ROS: 198906229006
 199108019016
 20030507900007
 20070826900018
 DATE: 10/11/2023
 PRJ. SURVEYOR: ROGER BYARLAY
 PRIMARY CREW: ERICK JOHNSON
 OFFICE TECH: STEVE LAW
 R/W CREATED BY: ROGER BYARLAY
 GEOREGISTRATION NOTES:
 NW 1/4, SEC. 22, T25N, R3E, W.M.

SURVEY MONUMENTATION:
 WHEN PROPOSED CONSTRUCTION, CHANGES TO PROPOSED CONSTRUCTION, OR OTHER ACTIVITY REQUIRES REMOVAL OR DESTRUCTION OF A SURVEY MONUMENT, AT LEAST 2 WORKING DAYS PRIOR TO THIS WORK, THE CONTRACTOR MUST PROVIDE THE ENGINEER WITH A COPY OF THE DEPARTMENT OF NATURAL RESOURCES (DNR) PERMIT AUTHORIZING THE REMOVAL OR DESTRUCTION OF THE SURVEY MONUMENT PER WAC 332-120. REMOVAL OR DESTRUCTION IS DEFINED TO MEAN THE PHYSICAL DISTURBANCE OR COVERING OF A SURVEY MONUMENT SUCH THAT THE SURVEY POINT IS NO LONGER VISIBLE OR READILY ACCESSIBLE. BEFORE PHYSICAL COMPLETION, THE CONTRACTOR MUST PROVIDE THE ENGINEER A COPY OF THE DNR FINAL REPORT FORM WITH EVIDENCE THAT EACH SURVEY MONUMENT HAS BEEN REPLACED OR RESTORED TO ITS PRE-CONSTRUCTION POSITION. FOR PERMITTING INFORMATION SEE HTTP://WWW.DNR.WA.GOV/PUBLICATIONS/ENG_PLISO_REMOVE_DESTROY_MONUMENT.ZIP OR CALL DNR AT (360) 902-1230. AT THE TIME THE PERMITS ARE PROVIDED TO THE ENGINEER, THE CONTRACTOR MUST FORWARD A COPY OF THIS INITIAL DNR PERMIT WITH AUTHORIZING SIGNATURES AND FINAL REPORT FORM TO THE LAND SURVEY MANAGER, SEATTLE PUBLIC UTILITIES, PHYSICAL ADDRESS: SEATTLE MUNICIPAL TOWER, 700 FIFTH AVENUE, OR MAILING ADDRESS: PO BOX 34018, SEATTLE, WA 98124-4018.

NOTES:
 FIELD MEASUREMENTS FOR THIS SURVEY PERFORMED WITH A 3" TRIMBLE TOTAL STATION USING TRAVERSE METHODS THAT MEET OR EXCEED ACCURACY REQUIREMENTS CONTAINED IN WAC 332.130.090.
 THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF A CURRENT TITLE REPORT AND THEREFORE DOES NOT PURPORT TO SHOW ALL EASEMENTS OR RESTRICTIONS OF RECORD, IN ANY.

BENCHMARKS:
 3773-2507 (IN BC STAMPED CITY OF SEATTLE SURVEY 3773 2508 SET INTX BKCW'S AT THE SW COR OF W DRAVIS ST & W VIEWMONT WY W. ELEV=348.01
 PT #109 MAG 37597901 LOCATED APPROXIMATELY 90FT NORTH AND 15FT WEST OF INTX OF PERKINS LN W AND W ARMOUR ST
 ELEV=95.35

HORIZONTAL DATUM: NAD83-2011 EPOCH 2010.00
 DERIVED FROM THE WSRN AND NGS CORS
 VERTICAL DATUM: NAVD88
 BASIS OF BEARING: WASHINGTON STATE PLANE COORDINATE SYSTEM, NORTH ZONE
 VERTICAL BENCHMARKS: 3773-2507, PT #109
 PROJECT FIELD BOOK: #3759 PG 60-62, 74-79
 #3936 PG 7-8
 PROJECT SCALE FACTOR: 0.999976084
 CONVERGENCE ANGLE: -1°10'41.66357"
 PROJECT COMBINED GRID FACTOR: 0.999972202
 SCALE FACTOR BASIS:
 NORTHING: 239352.35 EASTING: 1250343.37

VAULT	SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D
	38337							

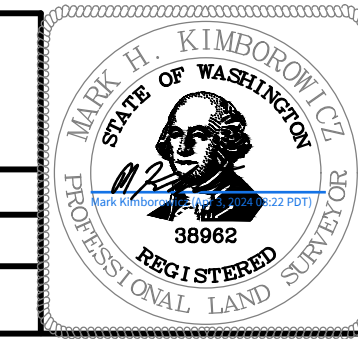
STA: 4+34.89 ()
 CALC'D POSITION
 N=239839.008
 E=1250229.254

STA: 10+00.00 ()
 CALC'D POSITION
 N=239312.717
 E=1250126.432

STA: 11+11.10 ()
 CALC'D POSITION
 N=239201.822
 E=1250121.753

SURVEY CONTROL PLAN

APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR		INITIALS AND DATE		INITIALS AND DATE	
DESIGNED		CHECKED KIP		REVIEWED:	
DRAWN		CHECKED KIP		DES. CONST.	
BY:		ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.		SDOT PROJ. MGR.	
SEATTLE, WASHINGTON 20		RECEIVED		REVISED AS BUILT	

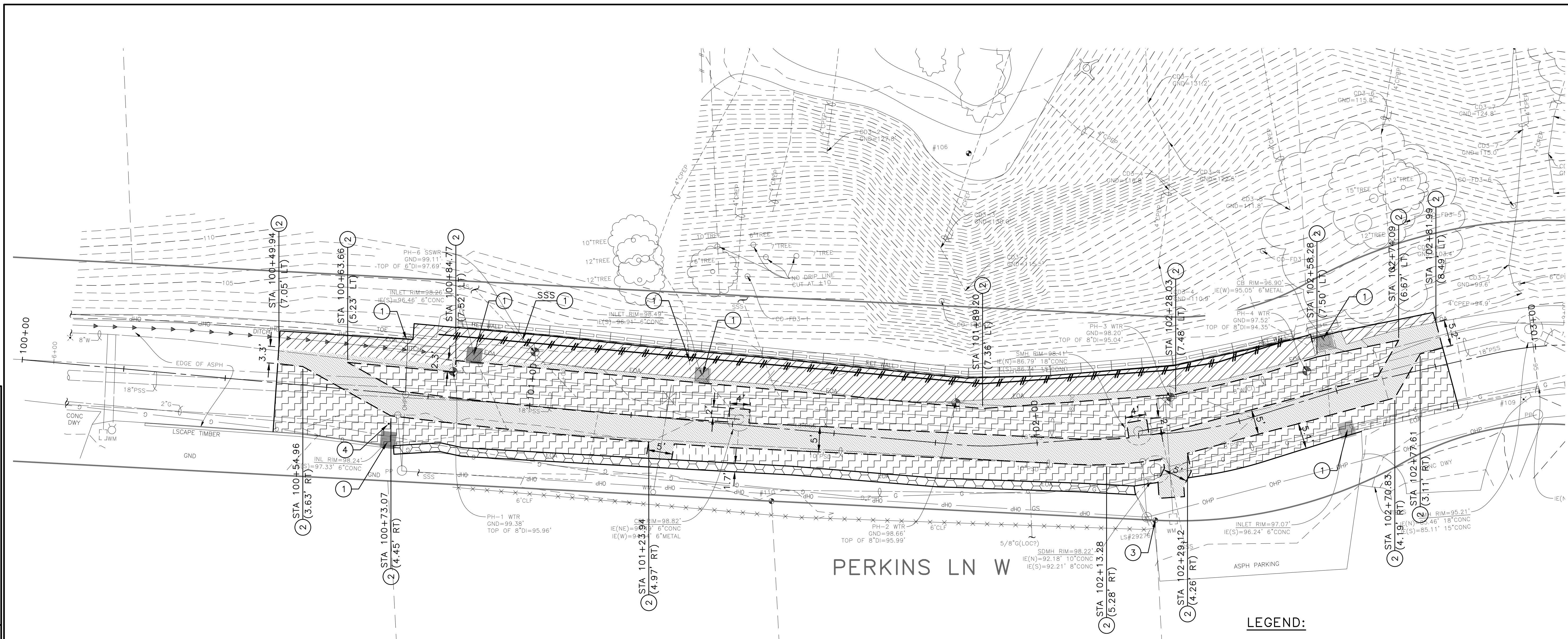
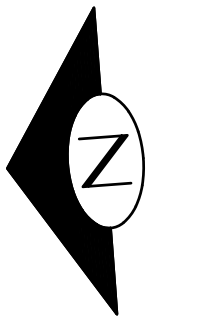


Seattle Public Utilities
 ORDINANCE NO. 126955 PW NO. 2023-062
 SCALE: H. 1"=40'

PERKINS LANE RETAINING WALL AND WATER MAIN REPLACEMENT

JOB	PC
	C601126
VPI #	782-333
V-101	
SHEET	5 OF 18

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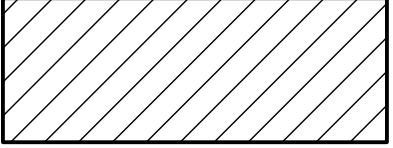
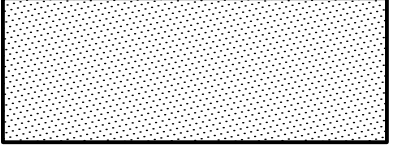
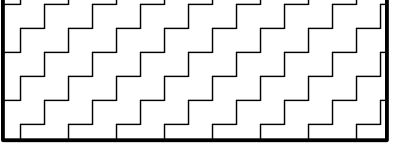
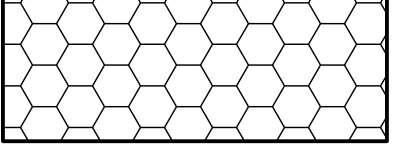
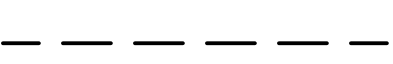
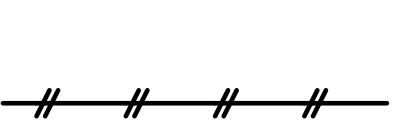


PERKINS LN W

CONSTRUCTION NOTES:

- ① PRESERVE AND PROTECT. SEE SECTION 1-07.16
- ② SAWCUT ASPHALT CONCRETE, FULL DEPTH
- ③ PRESERVE AND PROTECT PROPERTY ROD AND CAP. SEE SECTION 1-07.28, ITEM 17.
- ④ PRESERVE AND PROTECT SURVEY BENCH MARK. SEE SECTION 1-07.28, ITEM 17.

LEGEND:

-  INLET PROTECTION. SEE SECTION 8-01.3(12)B.
-  CLEARING AND GRUBBING
-  REMOVE ASPHALT PAVEMENT
-  SURFACE PREPARATION PLANE BITUMINOUS PAVEMENT, 2-INCH OR TO BASE, WHICHEVER IS LESS
-  COMMON EXCAVATION
-  SAWCUT
-  UTILITY VERIFICATION EXPLORATION, 2-FT, 4\"/>



SITE PREPARATION PLAN

VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE CHKD REV'D
38337					

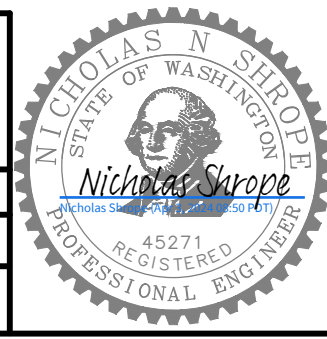
APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR

SEATTLE, WASHINGTON 20

BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED NS	CHECKED	REVIEWED: DES. CONST.	SDOT PROJ. MGR.
DRAWN NS	CHECKED	RECEIVED	REVISED AS BUILT

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.



Seattle Public Utilities

ORDINANCE NO. 126955 PW NO. 2023-062

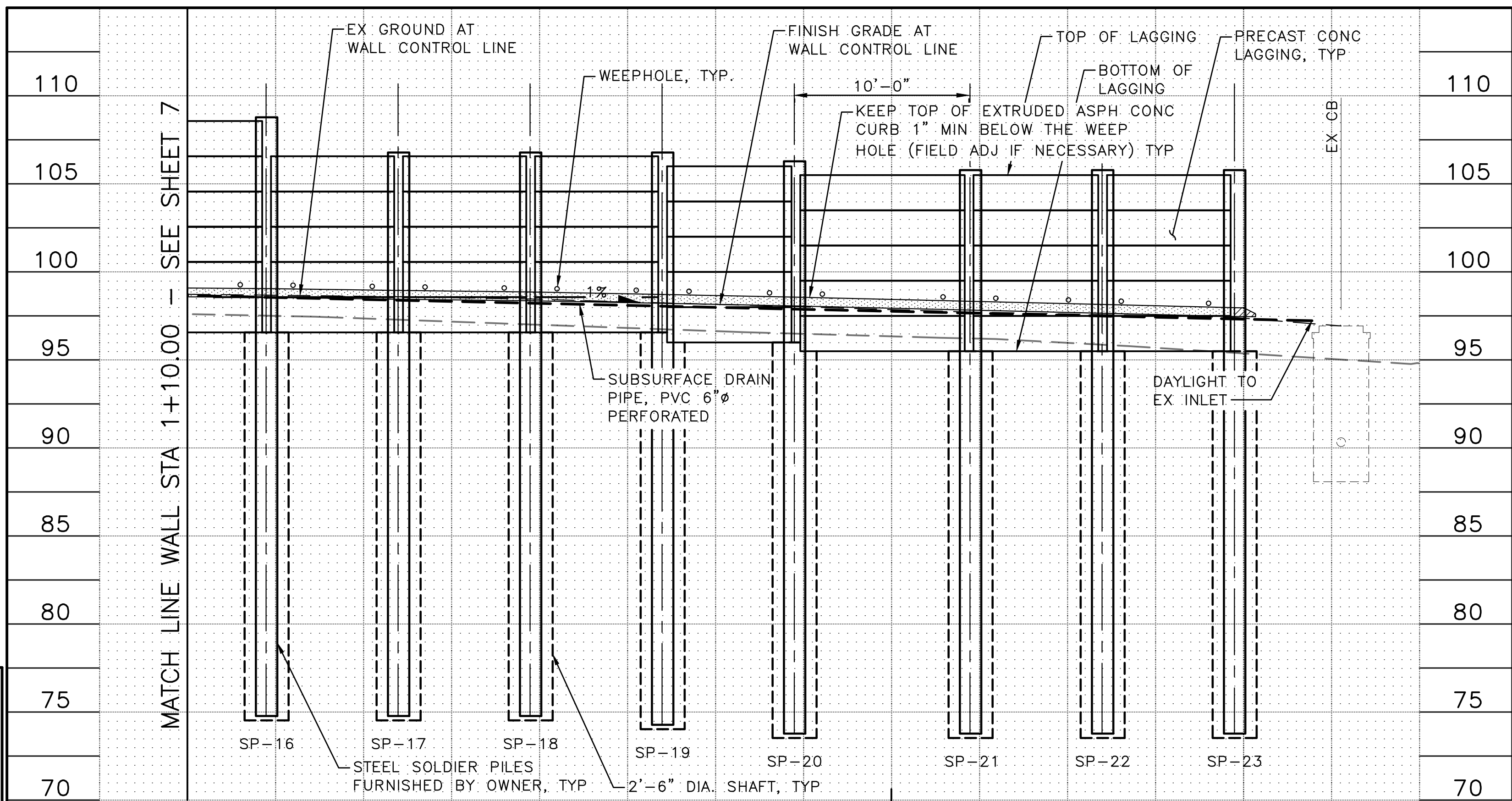
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PERKINS LANE RETAINING WALL AND WATER MAIN REPLACEMENT

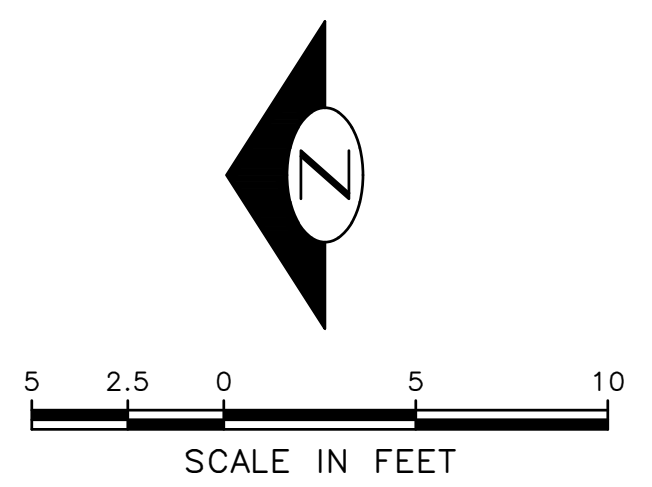
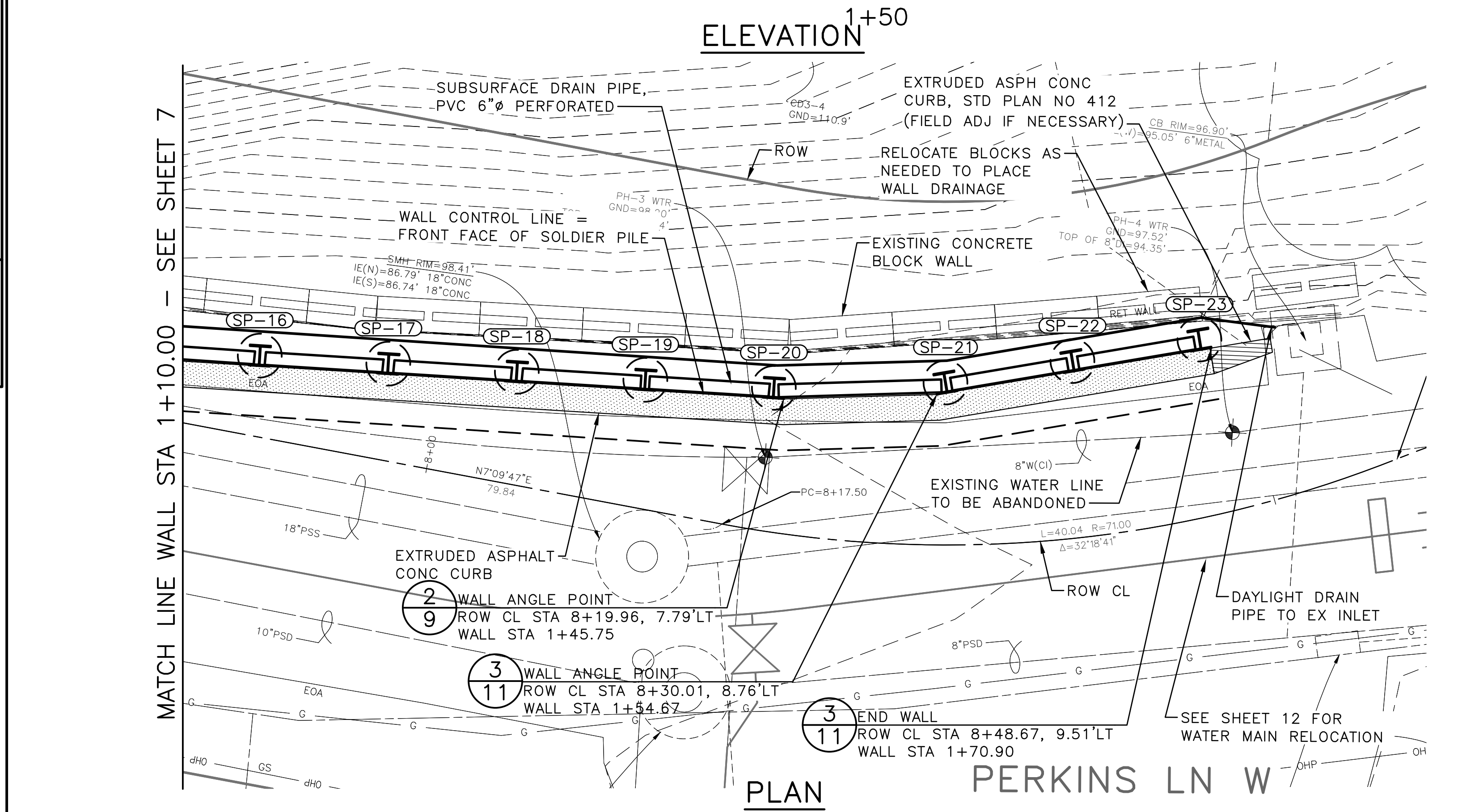
PC	C601126
CO	782-333
CD101	
SHEET	6 OF 18

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VAULT SERIAL NO.	DATE	MARK	NATURE	REVISIONS
38337				



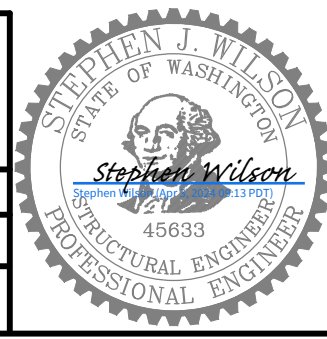
SOLDIER PILE SCHEDULE					
PILE NO	ROW CL STATION AND OFFSET TO CENTER OF SHAFT	SOLDIER PILE SIZE (SEE NOTE 1)	BOTTOM OF SHAFT ELEV (FT)	TOP OF PILE ELEV (FT)	PILE LENGTH (FT)
SP-01	STA 6+74.93, 8.04'LT	W14X120	74.50'	106.75	32.00
SP-02	STA 6+82.42, 7.75'LT	W14X120	74.50'	106.75	32.00
SP-03	STA 6+89.92, 7.47'LT	W14X120	74.50'	106.75	32.00
SP-04	STA 6+98.91, 7.13'LT	W14X120	74.50'	106.75	32.00
SP-05	STA 7+07.90, 6.79'LT	W14X120	74.50'	106.75	32.00
SP-06	STA 7+15.40, 6.50'LT	W14X120	74.50'	106.75	32.00
SP-07	STA 7+22.89, 6.22'LT	W14X120	74.50'	106.75	32.00
SP-08	STA 7+30.39, 5.94'LT	W14X120	74.50'	106.75	32.00
SP-09	STA 7+36.38, 5.71'LT	W14X120	74.50'	106.75	32.00
SP-10	STA 7+44.39, 5.38'LT	W14X120	74.50'	106.75	32.00
SP-11	STA 7+51.89, 5.08'LT	W14X120	74.50'	108.75	34.00
SP-12	STA 7+59.38, 4.77'LT	W14X120	74.50'	108.75	34.00
SP-13	STA 7+66.87, 4.47'LT	W14X120	74.50'	108.75	34.00
SP-14	STA 7+74.37, 4.16'LT	W14X120	74.50'	108.75	34.00
SP-15	STA 7+81.86, 3.85'LT	W14X120	74.50'	108.75	34.00
SP-16	STA 7+89.23, 4.68'LT	W14X120	74.50'	108.75	34.00
SP-17	STA 7+96.68, 5.60'LT	W14X120	74.50'	106.75	32.00
SP-18	STA 8+04.12, 6.52'LT	W14X120	74.50'	106.75	32.00
SP-19	STA 8+11.56, 7.44'LT	W14X120	74.00'	106.75	32.50
SP-20	STA 8+19.21, 8.34'LT	W14X120	73.50'	106.25	32.50
SP-21	STA 8+30.58, 9.46'LT	W14X120	73.50'	105.75	32.00
SP-22	STA 8+39.25, 10.28'LT	W14X120	73.50'	105.75	32.00
SP-23	STA 8+48.01, 10.17'LT	W14X120	73.50'	105.75	32.00



- NOTES:**
- HOT DIP GALVANIZED SOLDIER PILES ARE FURNISHED BY THE OWNER.
 - CONSTRUCT CAST IN PLACE LAGGING AROUND UTILITIES TO REMAIN IN PLACE.

RETAINING WALL PLAN & PROFILE (2 OF 2)

APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR	INITIALS AND DATE	INITIALS AND DATE
SEATTLE, WASHINGTON 20	DESIGNED RL CHECKED SW	REVIEWED: DES. CONST. SDOT PROJ. MGR.
BY:	DRAWN SW CHECKED TR	RECEIVED REVISED AS BUILT
FAS PURCHASING AND CONTRACTING DIRECTOR	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	

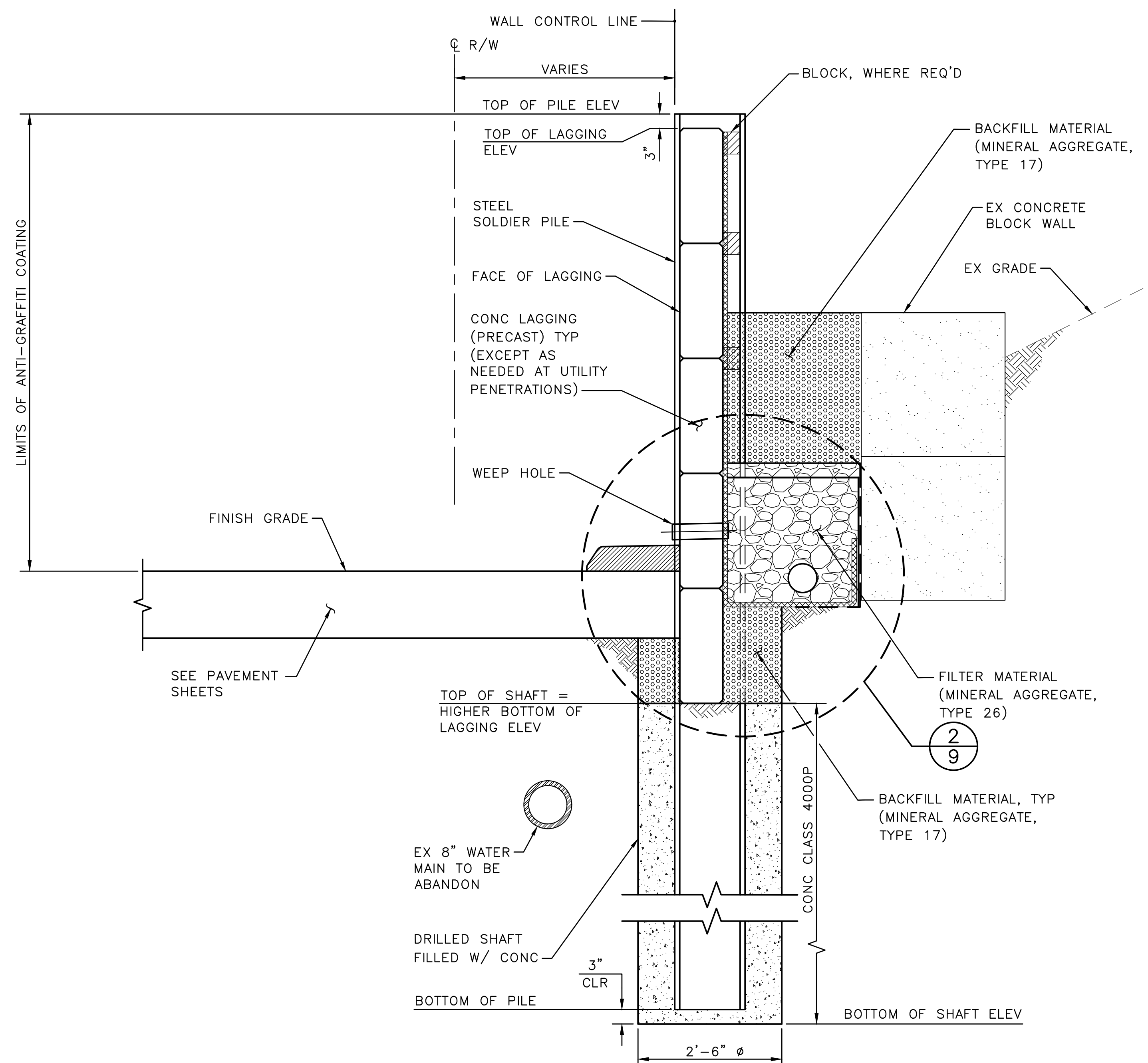


Seattle Department of Transportation
ORDINANCE NO. 126955 PW NO. 2023-062
SCALE: H. 1"=5', V. 1"=5'

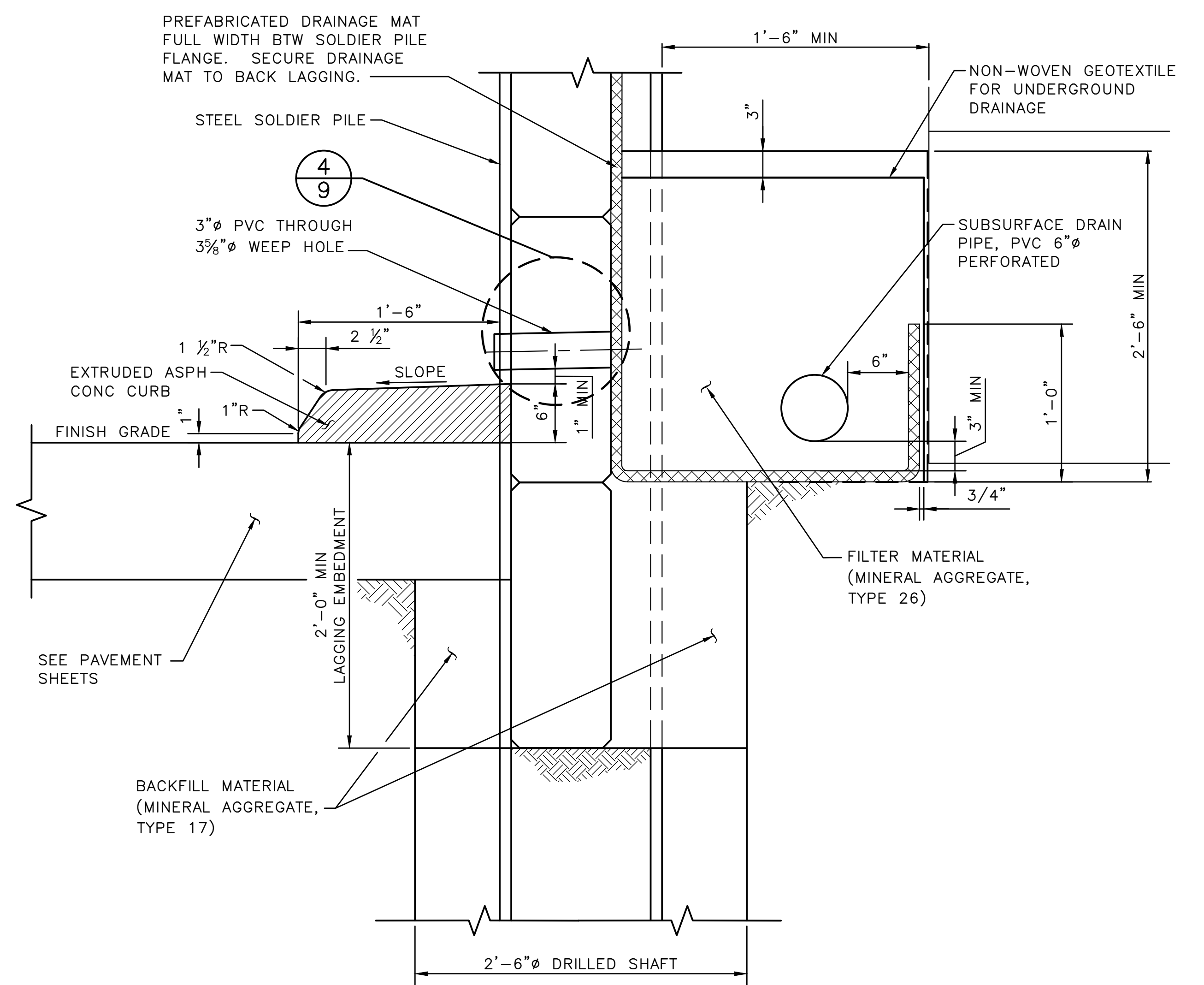
PERKINS LANE RETAINING WALL AND WATER MAIN REPLACEMENT

PC	TRC1194
CO	
VPI #	782-333
S-102	
SHEET	8 OF 18

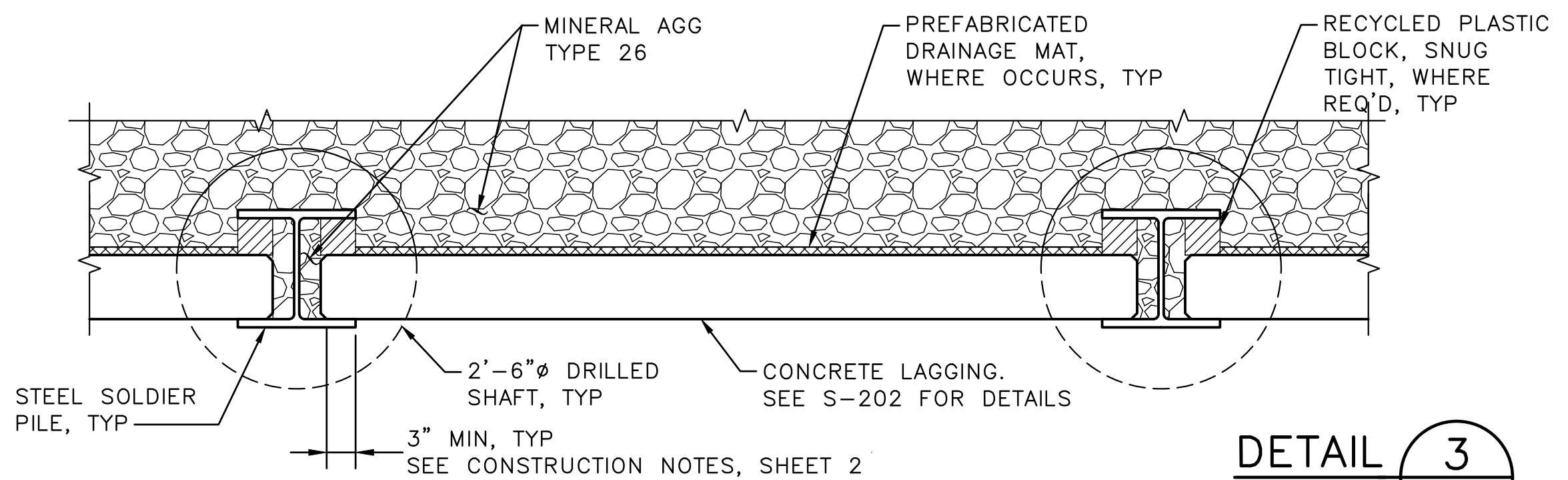
VAULT SERIAL NO.	38337
DATE	MARK
NATURE	REVISIONS
MADE	CHK'D
REV'D	



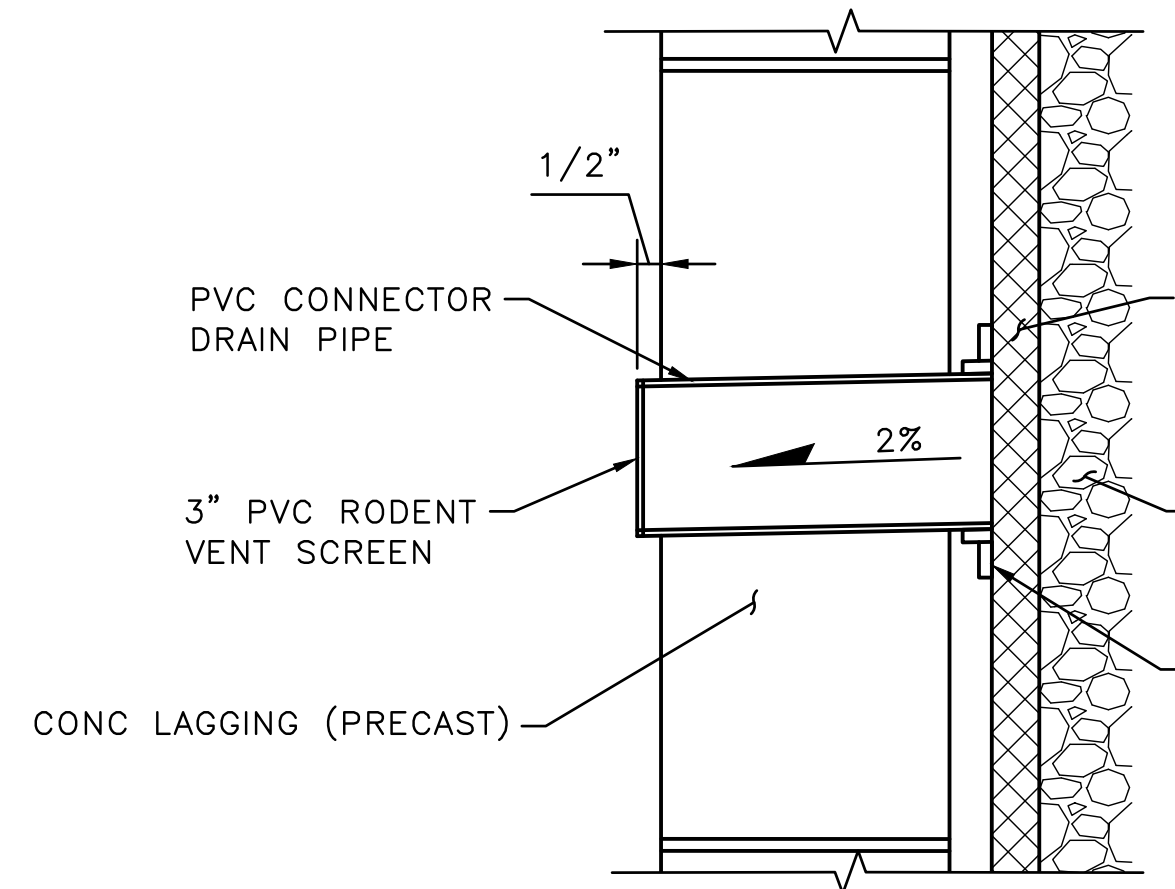
SECTION A-A 7
NTS



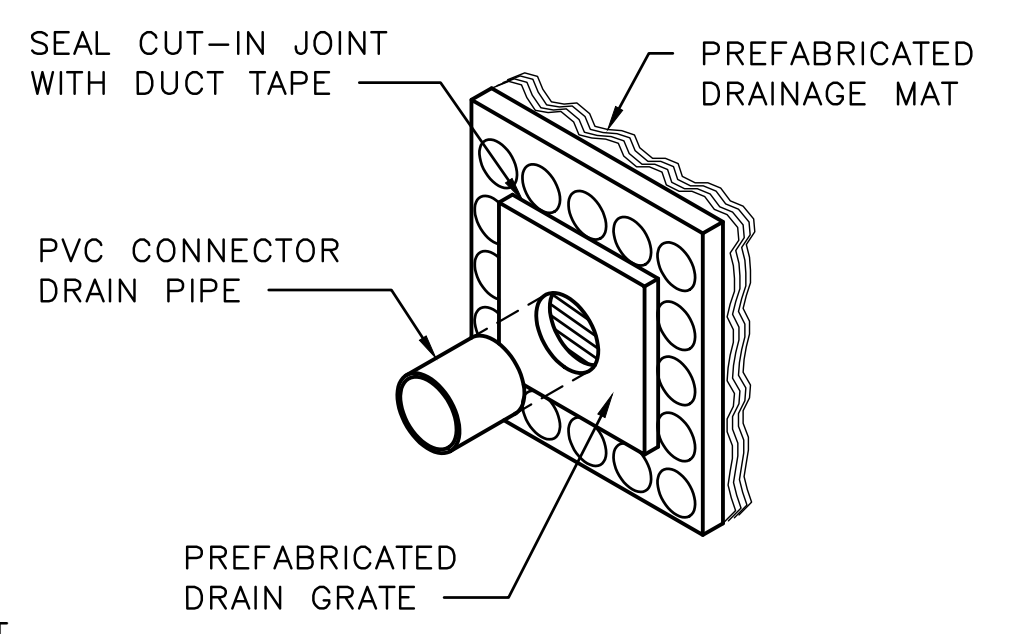
DETAIL 2/9
NTS



DETAIL 3/7
NTS



SECTIONAL VIEW

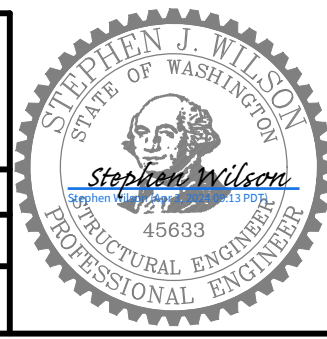


ISOMETRIC VIEW

DETAIL 4/9
NTS

WALL DETAILS (1 OF 3)

APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR	INITIALS AND DATE	INITIALS AND DATE
DESIGNED RL	DESIGNED: DES. CONST.	REVIEWED: DES. CONST.
CHECKED SW	SDOT PROJ. MGR.	SDOT PROJ. MGR.
DRAWN SW	RECEIVED	RECEIVED
CHECKED TR	REVISED AS BUILT	REVISED AS BUILT
BY: _____ FAS PURCHASING AND CONTRACTING DIRECTOR	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	

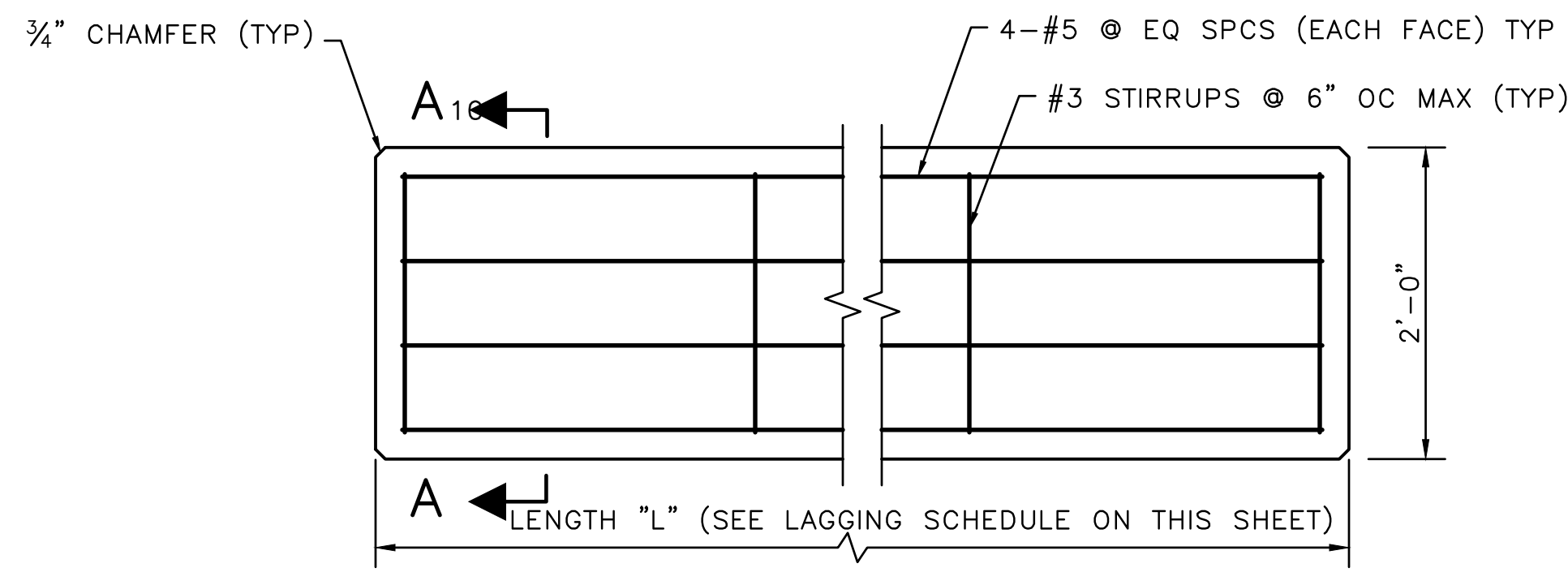


Seattle Department of Transportation
ORDINANCE NO. 126955 PW NO. 2023-062
SCALE: AS NOTED

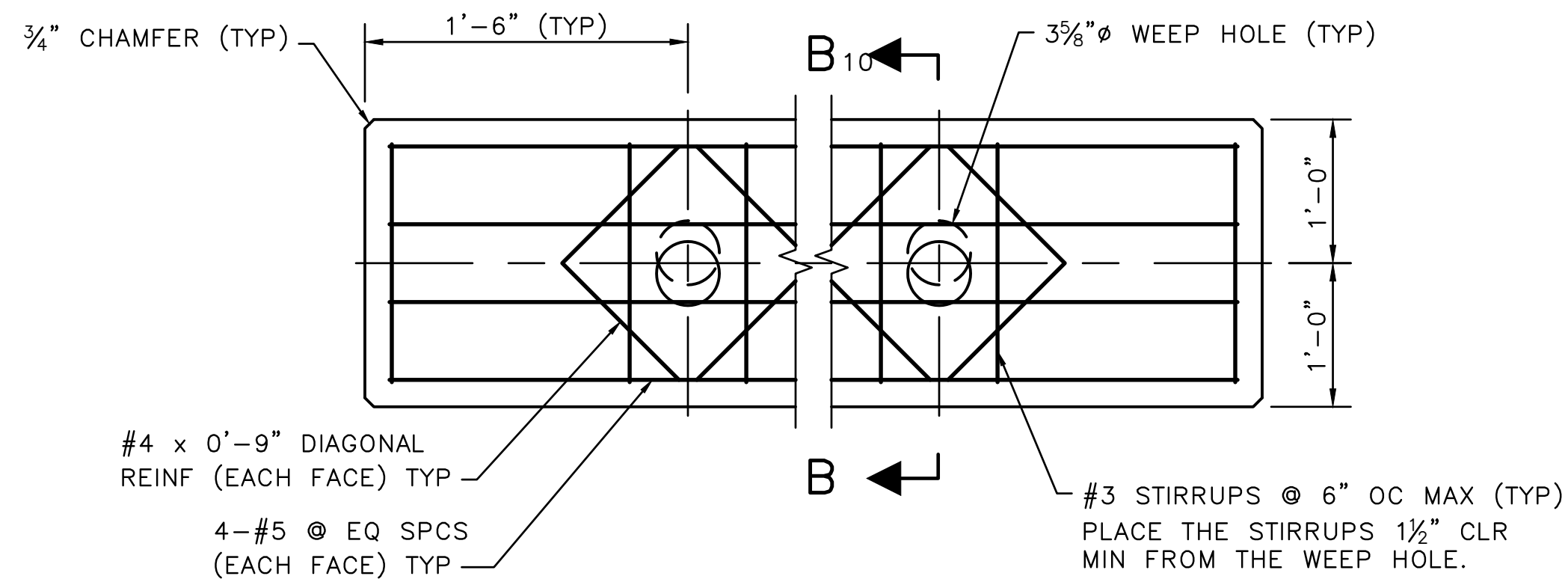
PERKINS LANE RETAINING WALL AND WATER MAIN REPLACEMENT

JOB	PC TRC1194
CO	782-333
S-201	
SHEET	9 OF 18

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Mar-22-24 2:44pm

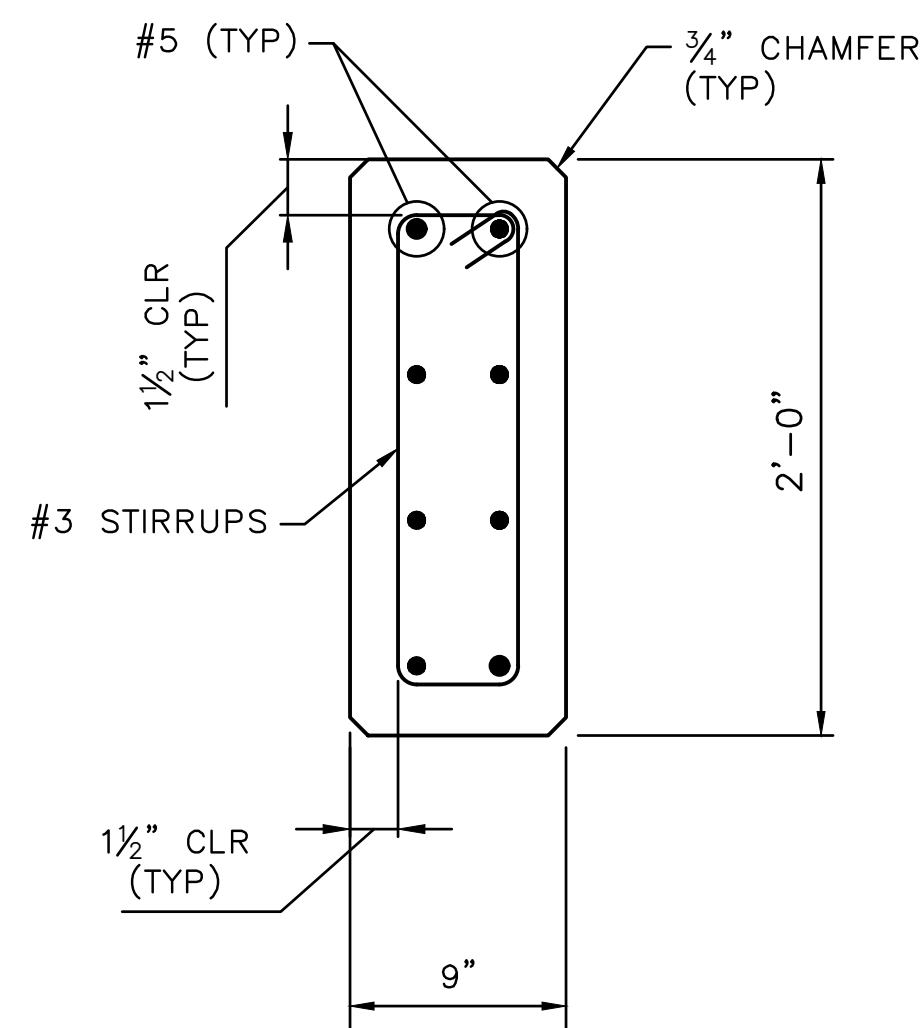


TYPICAL LAGGING

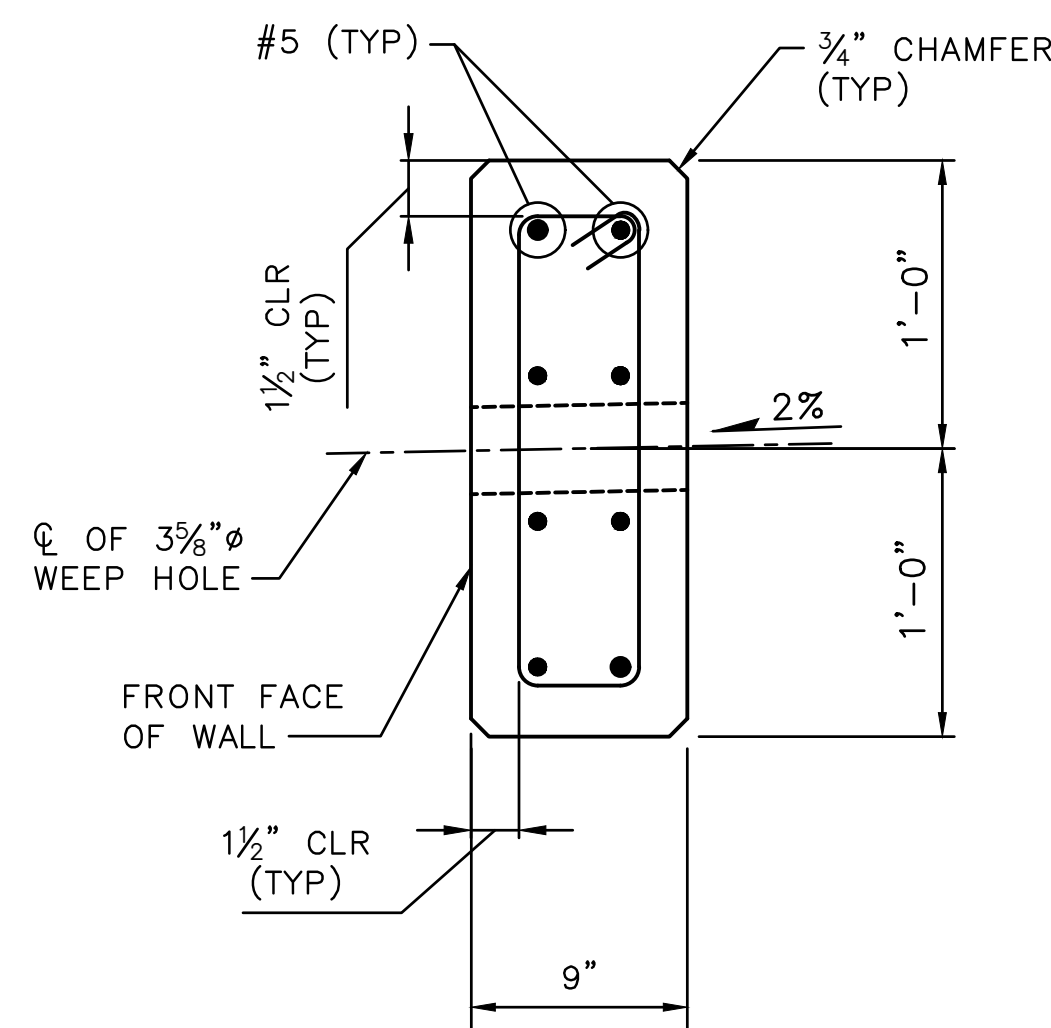


LAGGING WITH WEEP HOLE

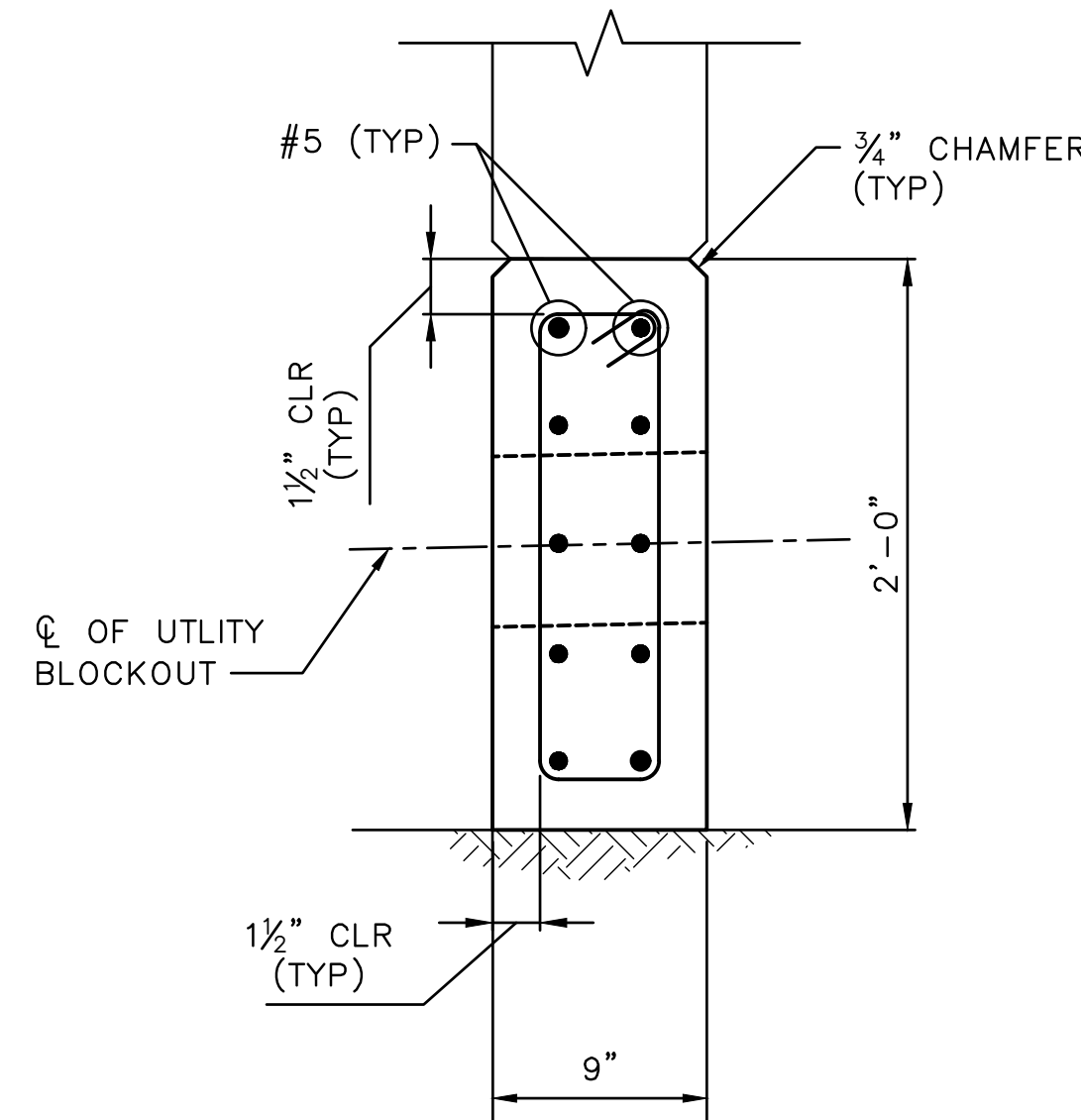
DETAIL 1
NTS 10



SECTION A-A 10
NTS

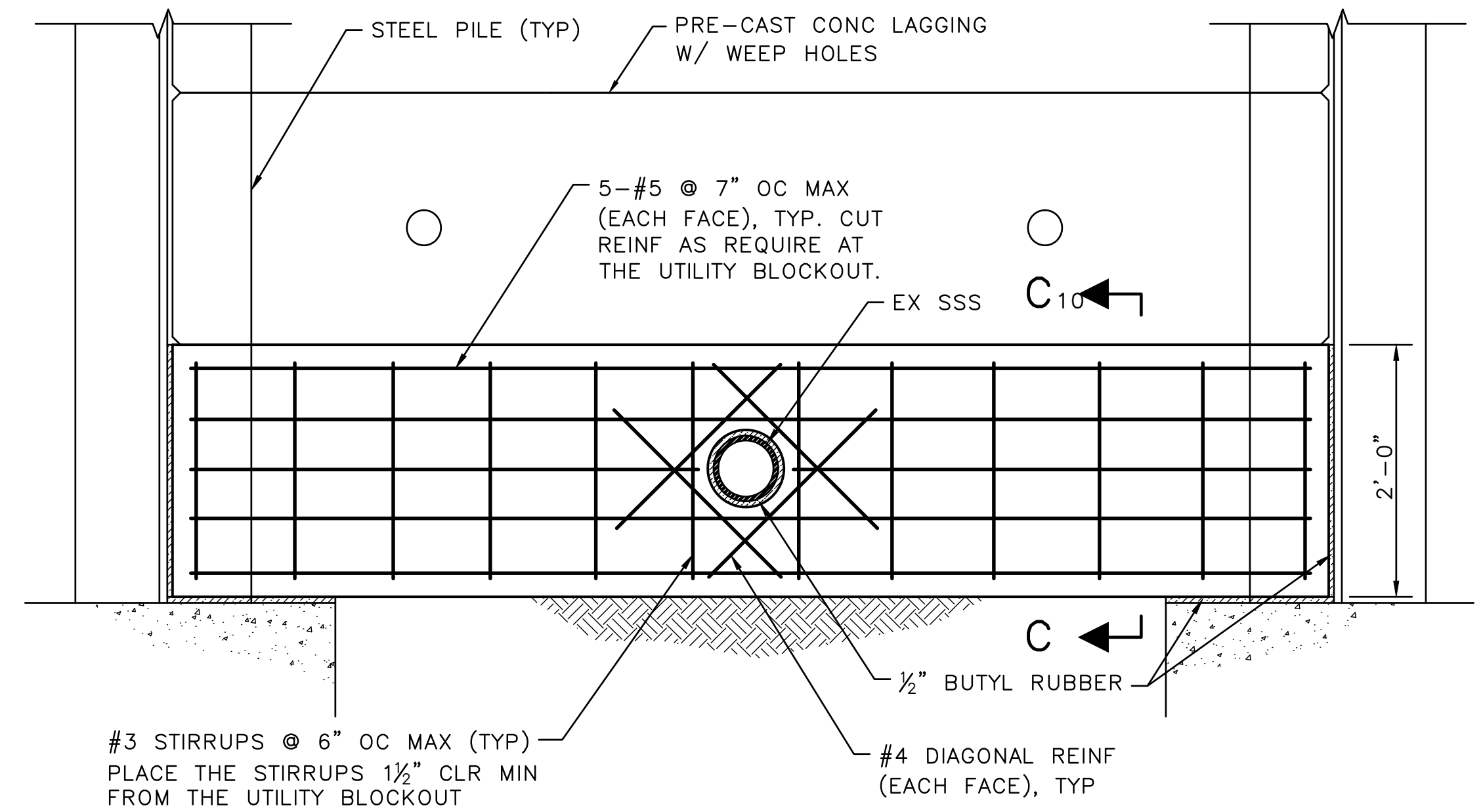


SECTION B-B 10
NTS

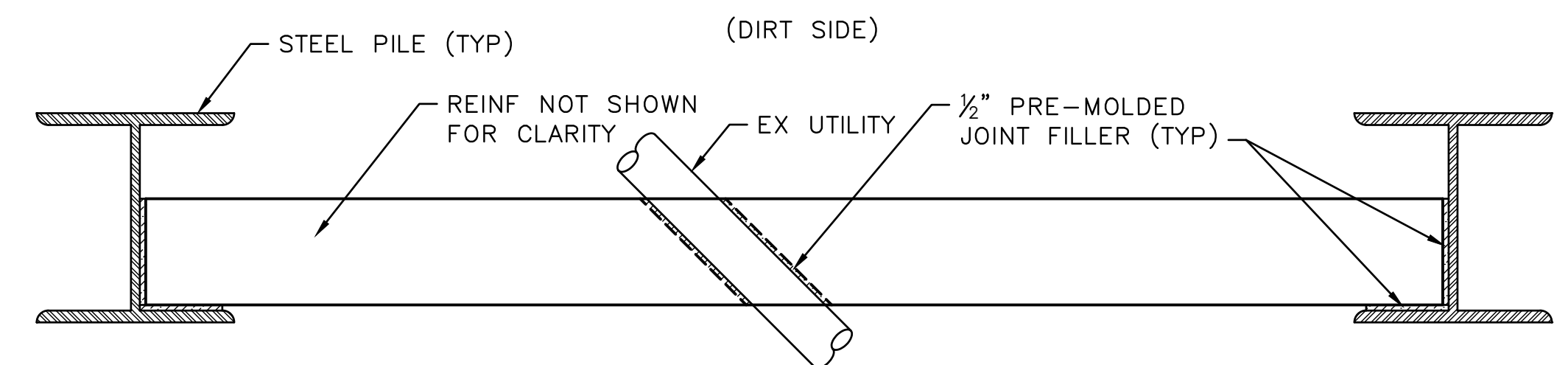


SECTION C-C 10
NTS

LAGGING SCHEDULE		
BETWEEN PILES NO	BOTTOM OF LAGGING ELEV (FT)	LENGTH "L"
SP-01/SP-02	96.50	7'-2"
SP-02/SP-03	96.50	7'-2"
SP-03/SP-04	96.50	8'-8"
SP-04/SP-05	96.50	8'-8"
SP-05/SP-06	96.50	7'-2"
SP-06/SP-07	96.50	7'-2"
SP-07/SP-08	96.50	7'-2"
SP-08/SP-09	96.50	5'-8"
SP-09/SP-10	96.50	7'-8"
SP-10/SP-11	96.50	7'-2"
SP-11/SP-12	96.50	7'-2"
SP-12/SP-13	96.50	7'-2"
SP-13/SP-14	96.50	7'-2"
SP-14/SP-15	96.50	7'-2"
SP-15/SP-16	96.50	7'-2"
SP-16/SP-17	96.50	7'-2"
SP-17/SP-18	96.50	7'-2"
SP-18/SP-19	96.50	7'-2"
SP-19/SP-20	96.00	7'-2"
SP-20/SP-21	95.50	9'-8"
SP-21/SP-22	95.50	7'-2"
SP-22/SP-23	95.50	7'-2"



ELEVATION - C.I.P. LAGGING WITH UTILITY BLOCKOUT



PLAN - C.I.P. LAGGING WITH UTILITY BLOCKOUT

DETAIL 2
NTS 10

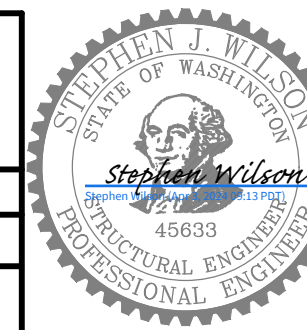
NOTE:

- INCREASE DIMENSION AS NEEDED TO ENSURE WEEPHOLE OUTLET INVERT IS ABOVE CURB. BOTH WEEPHOLES IN EACH LAGGING MUST BE AT THE SAME ELEVATION.

WALL DETAILS (2 OF 3)

APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE	INITIALS AND DATE
DESIGNED RL	REVIEWED: DES. CONST.
CHECKED SW	SDOT PROJ. MGR.
DRAWN SW	RECEIVED
CHECKED TR	REVISED AS BUILT



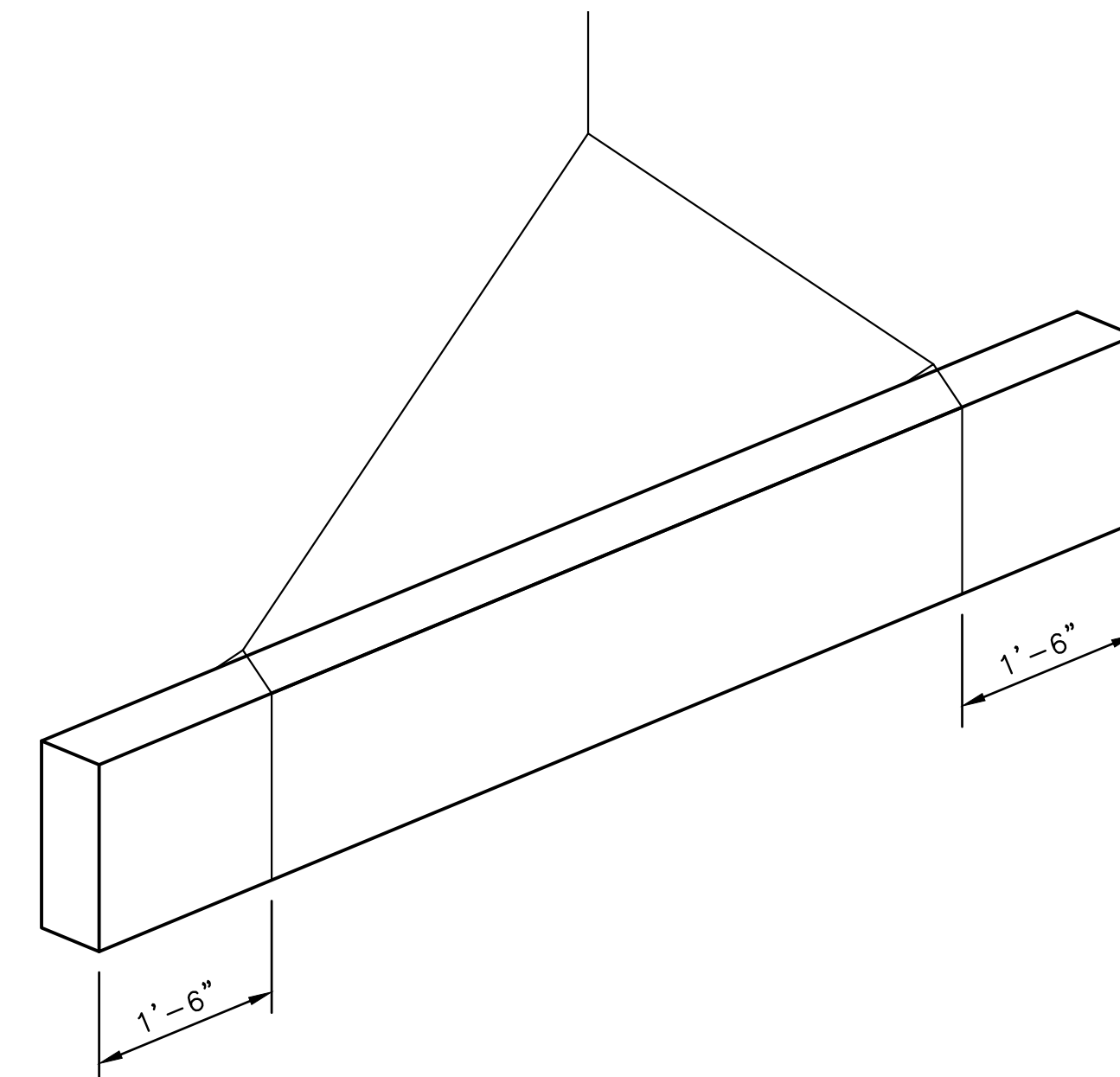
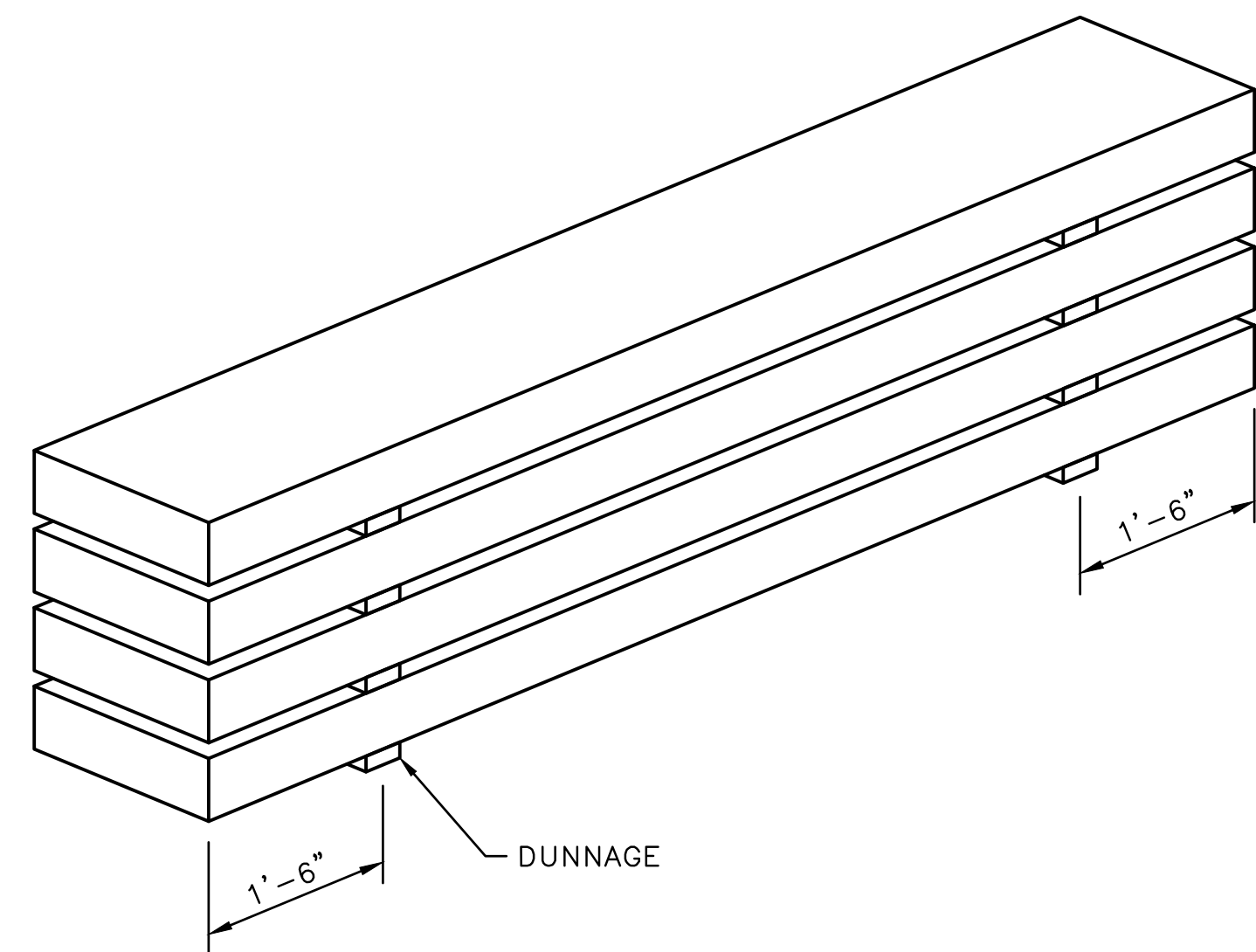
Seattle Department of Transportation
ORDINANCE NO. 126955 PW NO. 2023-062
SCALE: AS NOTED

PERKINS LANE RETAINING WALL AND WATER MAIN REPLACEMENT

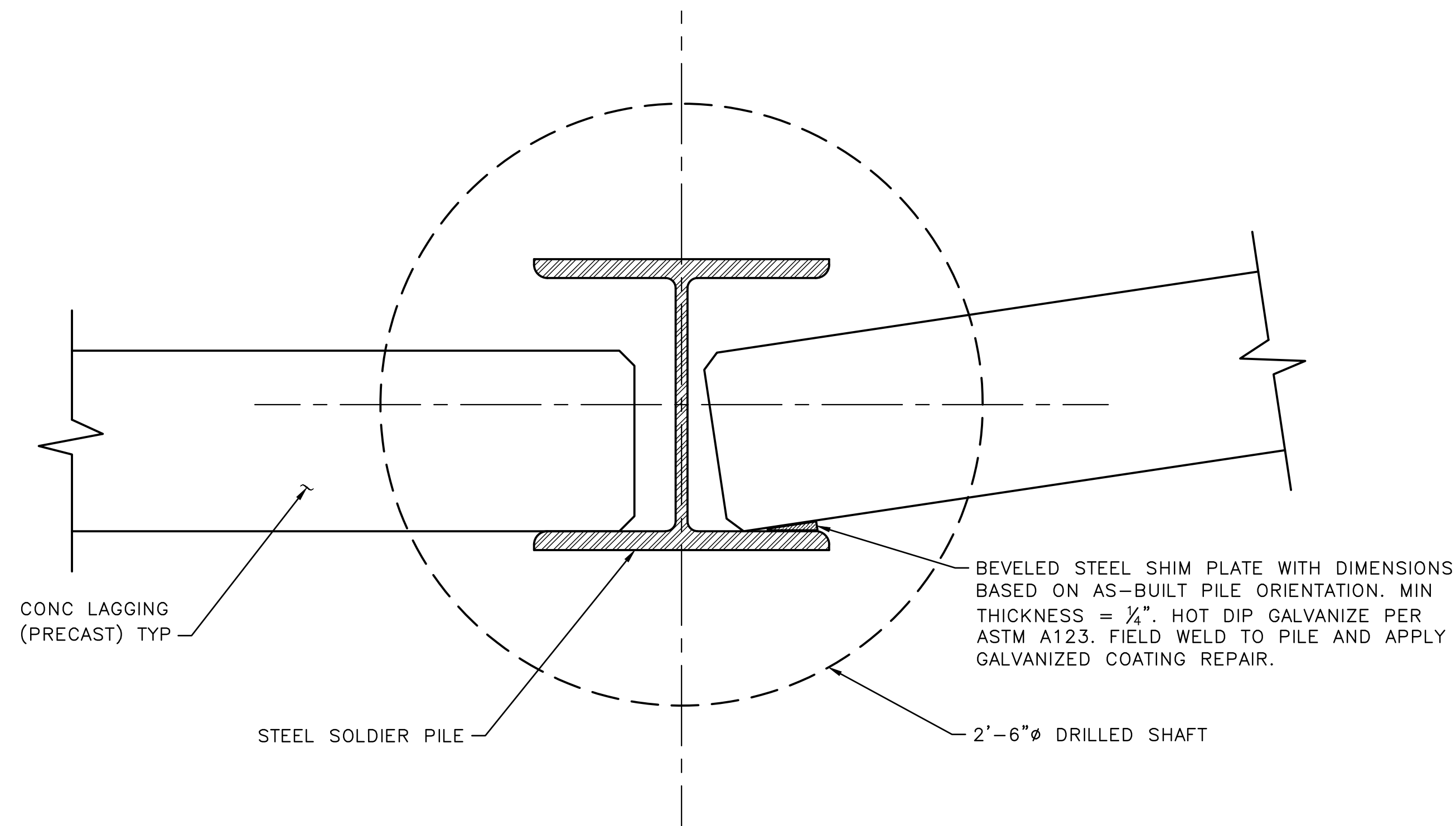
JOB NO.	PC TRC1194
CO	CO
VPI #	782-333
S-202	
SHEET	10 OF 18

VAULT SERIAL NO.	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D
38337							

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LAGGING STORAGE AND HANDLING DETAIL 2
NTS 11



TYPICAL WALL ANGLE POINT DETAIL 3
NTS 7&8

WALL DETAILS (3 OF 3)

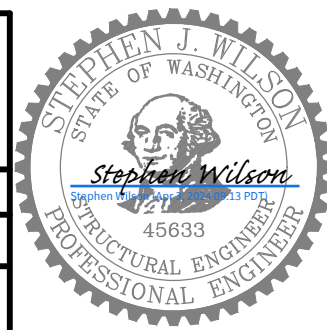
APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR

SEATTLE, WASHINGTON 20

BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
DESIGNED RL	CHECKED SW	REVIEWED: DES. SDOT	CONST. PROJ. MGR.
DRAWN SW	CHECKED TR	RECEIVED	REVISED AS BUILT

ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.



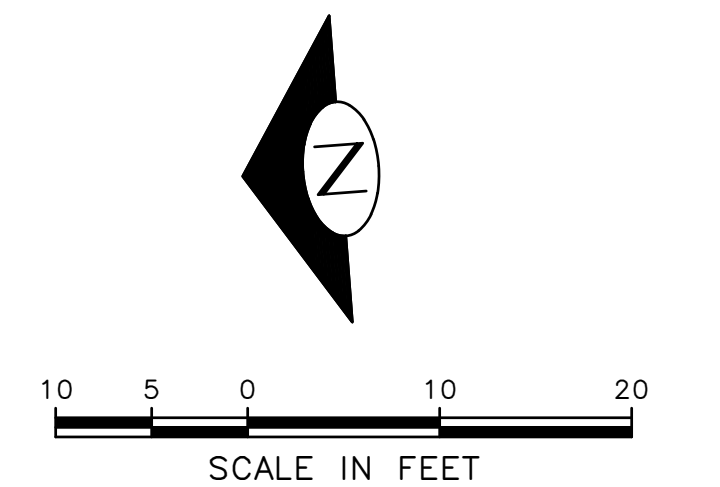
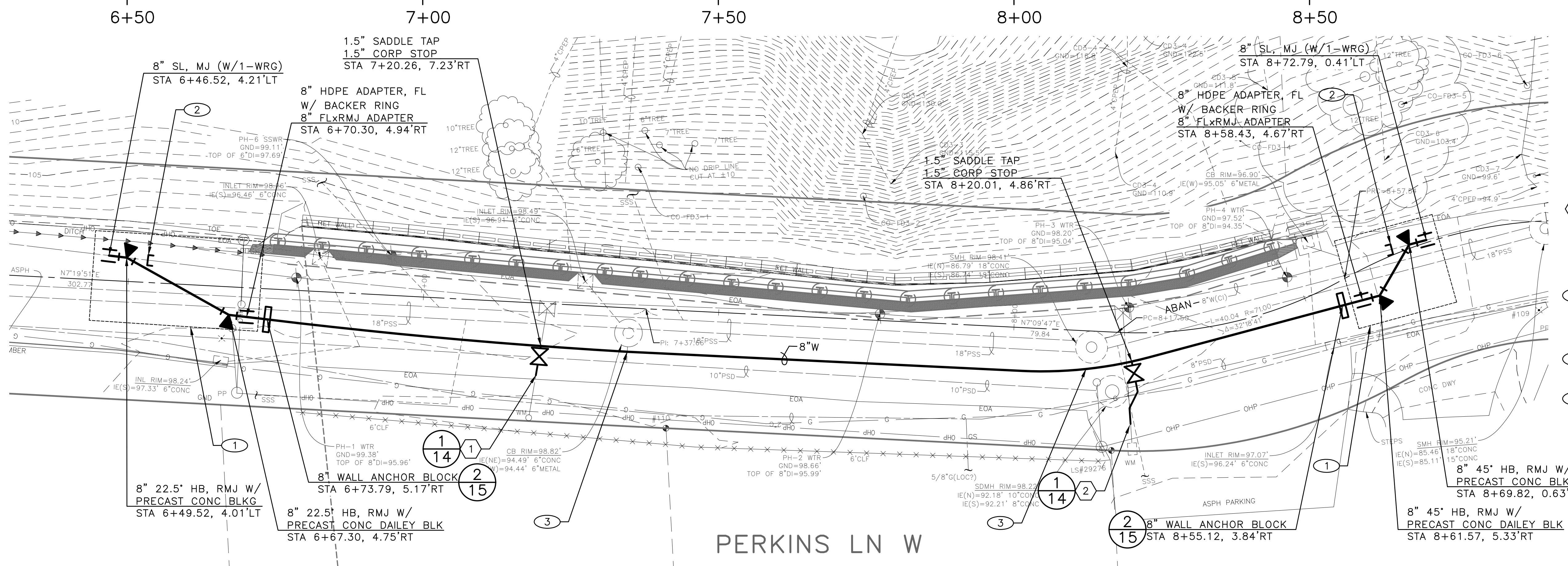
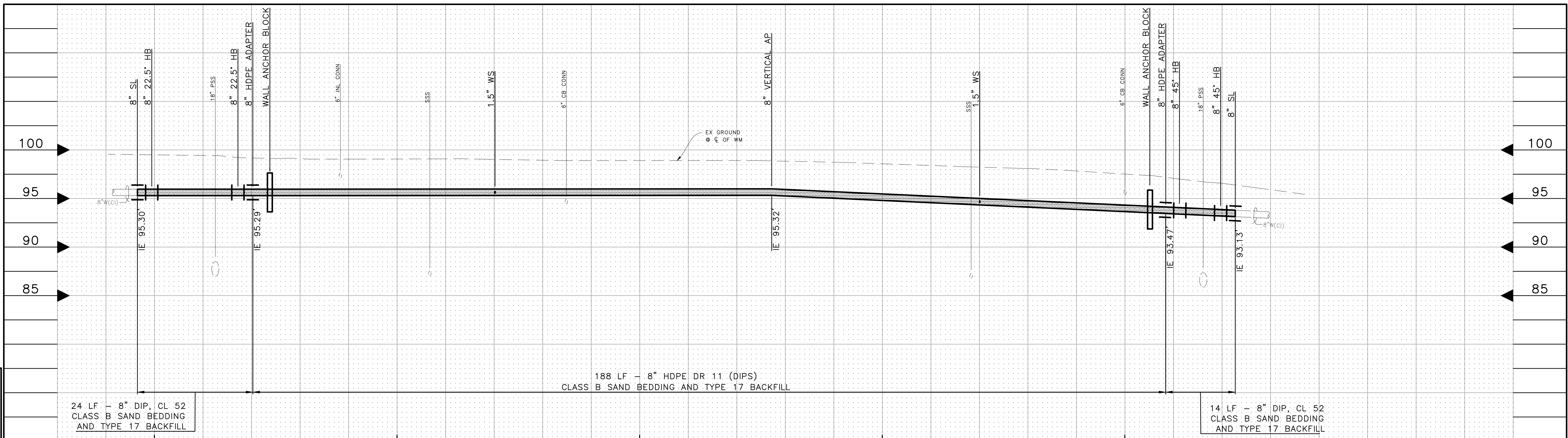
Seattle Department of Transportation
ORDINANCE NO. 126955 PW NO. 2023-062
SCALE: AS NOTED

PERKINS LANE RETAINING WALL AND WATER MAIN REPLACEMENT

JOB	PC TRC1194
CO	VPI # 782-333
S-203	
SHEET	11 OF 18

VAULT SERIAL NO.	DATE	MARK	NATURE	MADE	CHK'D	REV'D
38337			REVISIONS			

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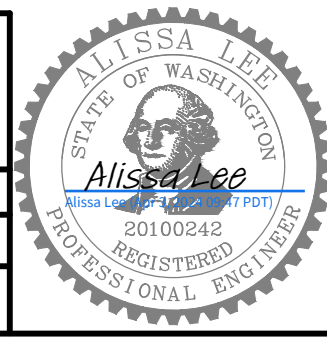
- WATER LEGEND:**
- (X) ASSIST SPU WITH WATER SERVICE WORK PER STD SPEC 7-15. SEE WATER SERVICE LIST.

- CONSTRUCTION NOTES:**
- 1 SYSTEM CONNECTION BY SPU. CONTRACTOR TO ASSIST WITH WORK PER STD SPEC 7-11.3(9) AND STANDARD PLAN 300 SERIES.
 - 2 PLUG AND ABANDON WM PER STD SPEC 2-02.3(5)B.
 - 3 USE ETHAFOAM (SEE STD SPEC 9-05.10) WHEN THE SEPARATION BETWEEN WATER MAIN AND CATCH BASIN OR MAINTENANCE HOLE IS 6" OR LESS. EXTEND ETHAFOAM A MINIMUM OF 6" PAST THE STRUCTURE.

WATER MAIN PLAN & PROFILE

VAULT SERIAL #	DATE	MARK	NATURE	REVISIONS	MADE	CHK'D	REV'D
38337							

APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR		INITIALS AND DATE		INITIALS AND DATE	
DESIGNED AL	CHECKED PS	DESIGNED	CONST.	REVIEWED	PROJ. MGR.
SEATTLE, WASHINGTON 20		DRAWN	RECEIVED		
BY:		CHECKED	REVISED AS BUILT		
FAS PURCHASING AND CONTRACTING DIRECTOR		ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.			



Seattle Public Utilities

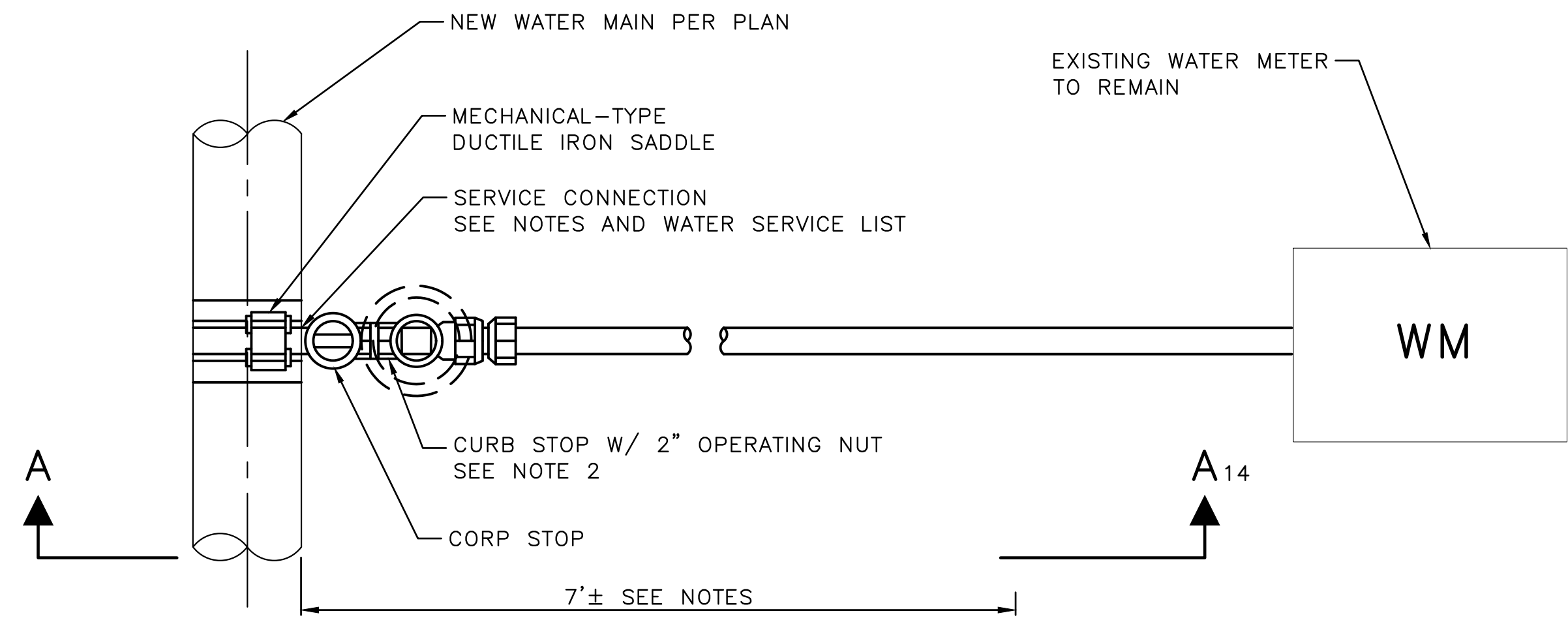
ORDINANCE NO. 126955 PW NO. 2023-062

SCALE: H 1"=10'; V 1"=5'

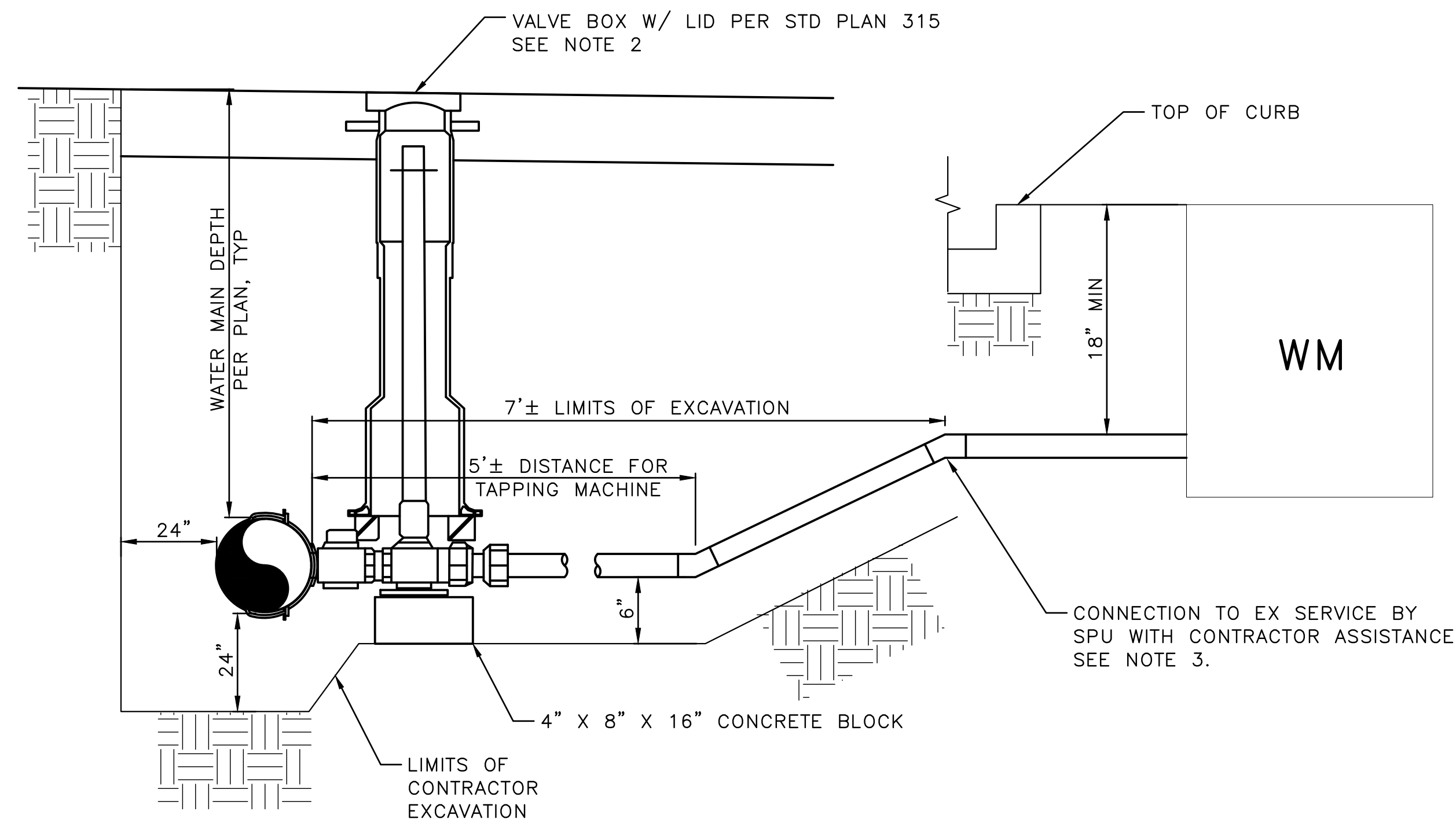
PERKINS LANE RETAINING WALL AND WATER MAIN REPLACEMENT

PC	C601126
CO	782-333
VPI #	CU101
SHEET	12 OF 18

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PLAN
NTS



SECTION A-A
NTS

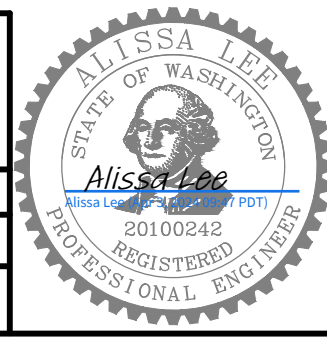

- NOTES:**
1. CONTRACTOR TO PROVIDE MECHANICAL-TYPE DUCTILE IRON SADDLES AND SPU TO PROVIDE ALL OTHER SERVICE CONNECTION MATERIALS. SPU TO INSTALL AND CONNECT SERVICES 2" AND SMALLER WITH CONTRACTOR ASSISTANCE. SEE SPEC SECTION 7-15.
 2. CURB STOP IS INSTALLED FOR 1.5" AND 2" SERVICES. CONTRACTOR TO INSTALL VALVE BOX PER STD PLAN 315.
 3. FOR EXISTING COPPER SERVICES, SPU WILL INSTALL AND CONNECT TO EXISTING SERVICE APPROXIMATELY 5' FROM NEW MAIN. NON-COPPER SERVICES MUST BE RENEWED UP TO THE WATER METER.

2" OR SMALLER WATER SERVICE CONNECTION TO HDPE WATER MAIN (1/12)
NTS

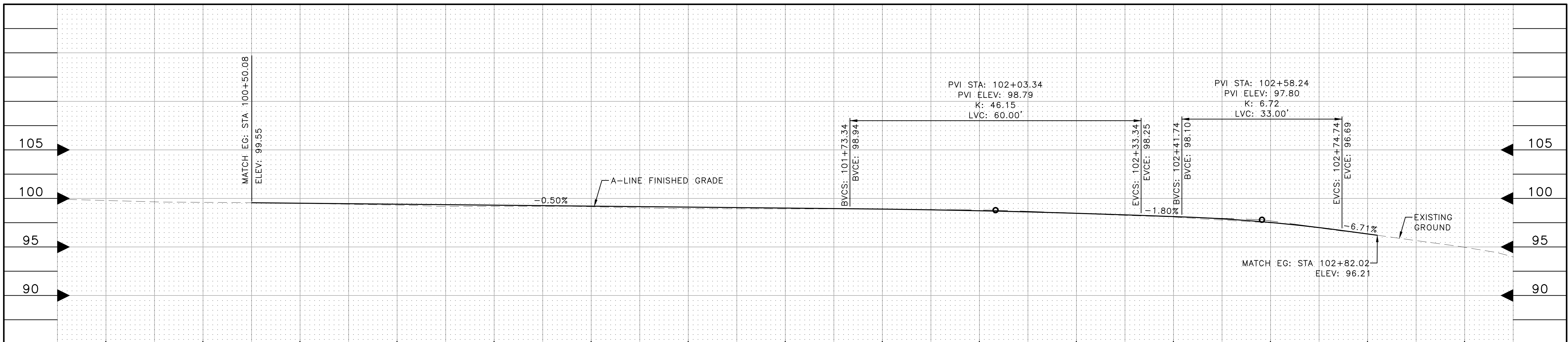
WATER DETAILS (1 OF 2)

VAULT	SERIAL #	DATE	MARK	NATURE	MADE	CHK'D	REV'D
	38337						

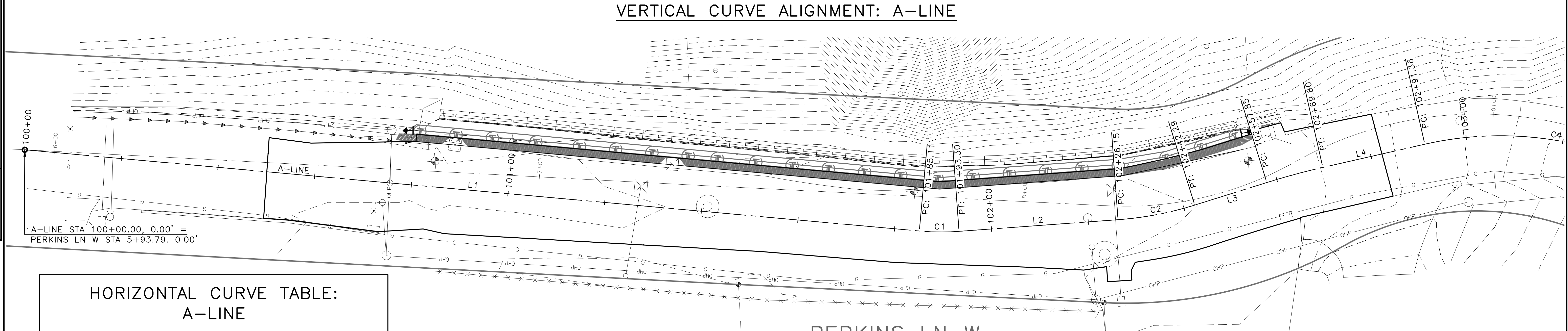
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APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR SEATTLE, WASHINGTON 20 BY: FAS PURCHASING AND CONTRACTING DIRECTOR	INITIALS AND DATE DESIGNED AL CHECKED PS DRAWN CHECKED	INITIALS AND DATE REVIEWED: DES. CONST. SDOT PROJ. MGR. RECEIVED REVISED AS BUILT		 ORDINANCE NO. 126955 PW NO. 2023-062 SCALE: AS NOTED
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PERKINS LANE RETAINING WALL AND WATER MAIN REPLACEMENT	JOB NO. PC C601126 CO C601126 VPI # 782-333 CU301 SHEET 14 OF 18
--	---



STATION	100+20	100+40	100+60	100+80	101+00	101+20	101+40	101+60	101+80	102+00	102+20	102+40	102+60	102+80	103+00
FL LT EG	99.71	99.55	99.30	98.82	98.89	98.50	98.72	98.79	98.82	98.61	98.20	97.68	96.90	96.39	94.97
FL LT FG	-	-	99.37	99.14	99.04	98.96	98.89	98.79	98.66	98.50	98.18	97.77	97.30	96.39	-
FL RT EG	99.37	99.35	98.97	98.61	98.76	98.84	98.83	98.75	98.61	98.39	98.01	97.66	97.08	96.23	94.89
FL RT FG	-	-	98.84	98.54	98.73	98.84	98.80	98.74	98.63	98.37	98.11	97.73	97.13	96.23	-



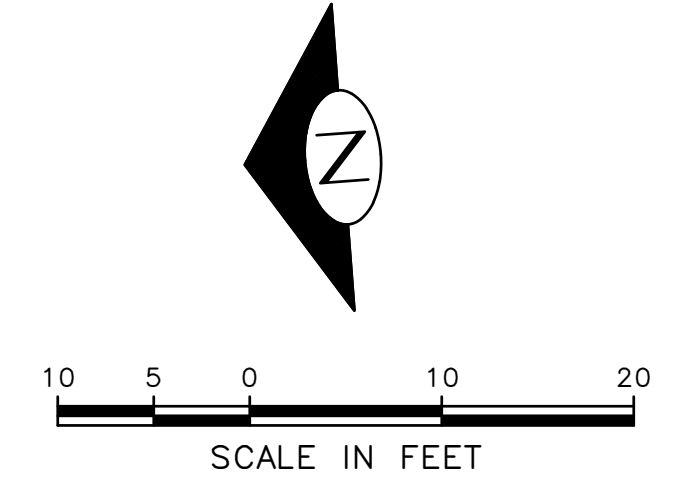
**HORIZONTAL CURVE TABLE:
A-LINE**

CURVE #	RADIUS	LENGTH	Δ	PI STATION	PI COORD.
C1	50.00'	8.19'	9°23'01.83"	101+89.21	N 239494.79 E 1250177.74
C2	70.00'	16.13'	13°12'21.05"	102+34.26	N 239449.72 E 1250177.65
C3	150.00'	11.95'	4°33'59.12"	102+63.83	N 239420.85 E 1250184.36
C4	70.00'	54.29'	44°26'21.35"	103+19.96	N 239365.33 E 1250192.68

HORIZONTAL LINE TABLE: A-LINE

LINE #	LENGTH	DIRECTION
L1	185.11'	S09° 30' 08.38"W
L2	32.85'	S00° 07' 06.55"W
L3	15.56'	S13° 05' 14.50"E
L4	21.56'	S08° 31' 15.38"E

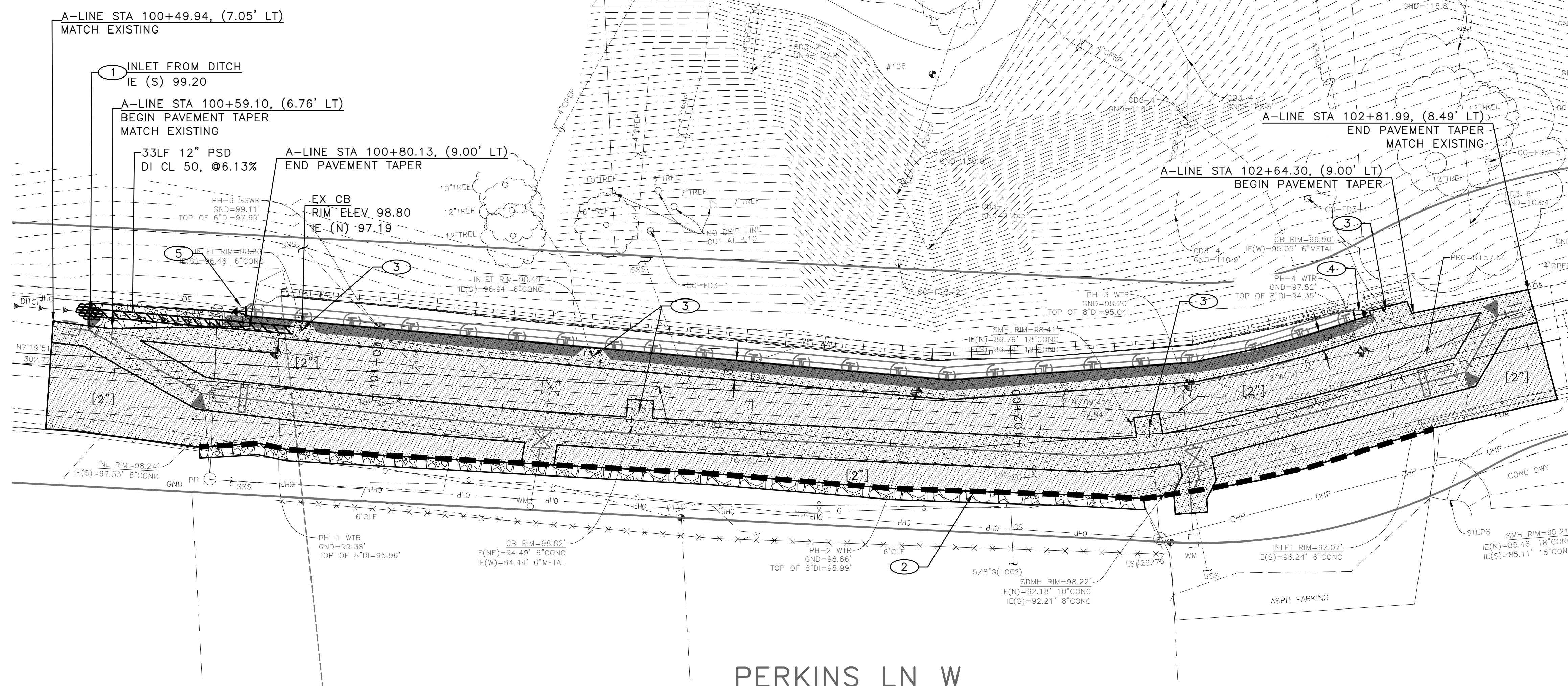
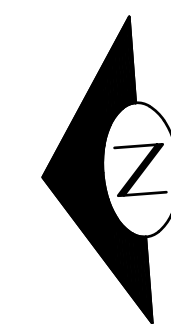
- GENERAL NOTES:**
- REFER TO SHEET V101 FOR PERKINS LANE W RIGHT-OF-WAY CENTERLINE HORIZONTAL ALIGNMENT DATA
 - REFER TO SHEET CP201 FOR THE ROADWAY TYPICAL SECTION



GRADING & ALIGNMENT PLAN

<p>APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR</p> <p>SEATTLE, WASHINGTON 20</p> <p>BY: FAS PURCHASING AND CONTRACTING DIRECTOR</p>	<p>INITIALS AND DATE</p> <p>DESIGNED NS CHECKED</p> <p>DRAWN NS CHECKED</p> <p>ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.</p>	<p>INITIALS AND DATE</p> <p>REVIEWED: DES. CONST. SDOT PROJ. MGR.</p> <p>RECEIVED</p> <p>REVISED AS BUILT</p>		<p>ORDINANCE NO. 126955 PW NO. 2023-062</p> <p>SCALE: 1"=10'</p>	<p>PERKINS LANE RETAINING WALL AND WATER MAIN REPLACEMENT</p>	<p>PC TRC1194 CO</p> <p>VPI # 782-333</p> <p>CP101</p> <p>SHEET 16 OF 18</p>
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PAVING LEGEND:

-
-
-
-
-

SIGNING LEGEND:

-
- TS-___ ---FOOT SIGN POST PER STD PLAN 625

CONSTRUCTION NOTES:

1. INSTALL CULVERT INLET PROTECTION. SEE SHEET CP-201 FOR DETAIL
2. INSTALL ASPHALT MOUNTABLE EDGE. SEE SHEET CP-201 FOR DETAIL.
3. ADJUST MH, CB OR VC PER SECTION 7-20.3(1)
4. INSTALL TYPE 3 OBJECT MARKER (OM-3R) ON TS-10 POST FACING SOUTH
5. INSTALL TYPE 3 OBJECT MARKER (OM-3L) ON TS-10 POST FACING NORTH

GENERAL NOTES:

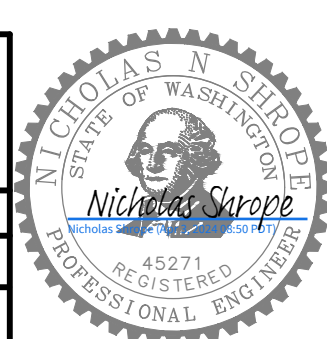
1. REFER TO SHEET CP-201 FOR ROADWAY TYPICAL SECTION
2. REFER TO SHEET CP-101 FOR GRADING & ALIGNMENT PLAN
3. REFER TO STANDARD PLAN 621B FOR SIGN POST ANCHOR INSTALLATION

PERKINS LN W

MADE	CHK'D	REV'D
NATURE		
REVISIONS		
DATE	MARK	
VAULT SERIAL NO.	38337	

PAVING PLAN

APPROVED FOR ADVERTISING FAS PURCHASING AND CONTRACTING DIRECTOR	INITIALS AND DATE	INITIALS AND DATE
DESIGNED NS CHECKED	REVIEWED: DES. CONST. SDOT PROJ. MGR.	
SEATTLE, WASHINGTON 20	DRAWN NS CHECKED	RECEIVED REVISED AS BUILT
BY: FAS PURCHASING AND CONTRACTING DIRECTOR	ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SEATTLE STANDARD PLANS AND SPECIFICATIONS AND OTHER DOCUMENTS CALLED FOR IN SECTION 0-02.3 OF THE PROJECT MANUAL.	

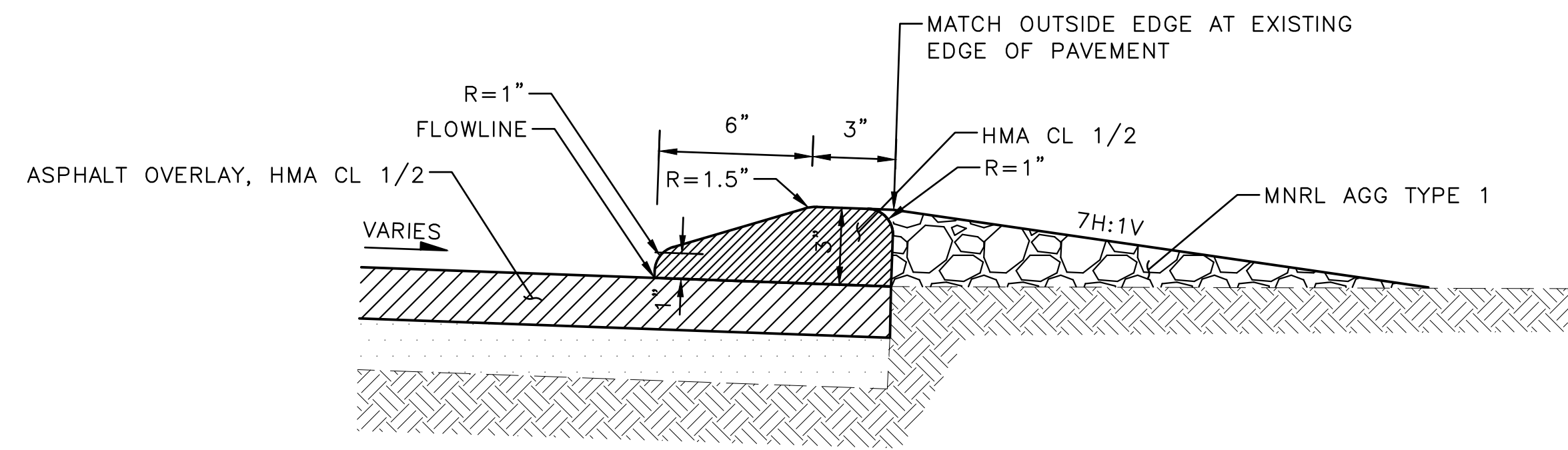


Seattle Department of Transportation
ORDINANCE NO. 126955 PW NO. 2023-062
SCALE: 1"=10'

PERKINS LANE RETAINING WALL AND WATER MAIN REPLACEMENT

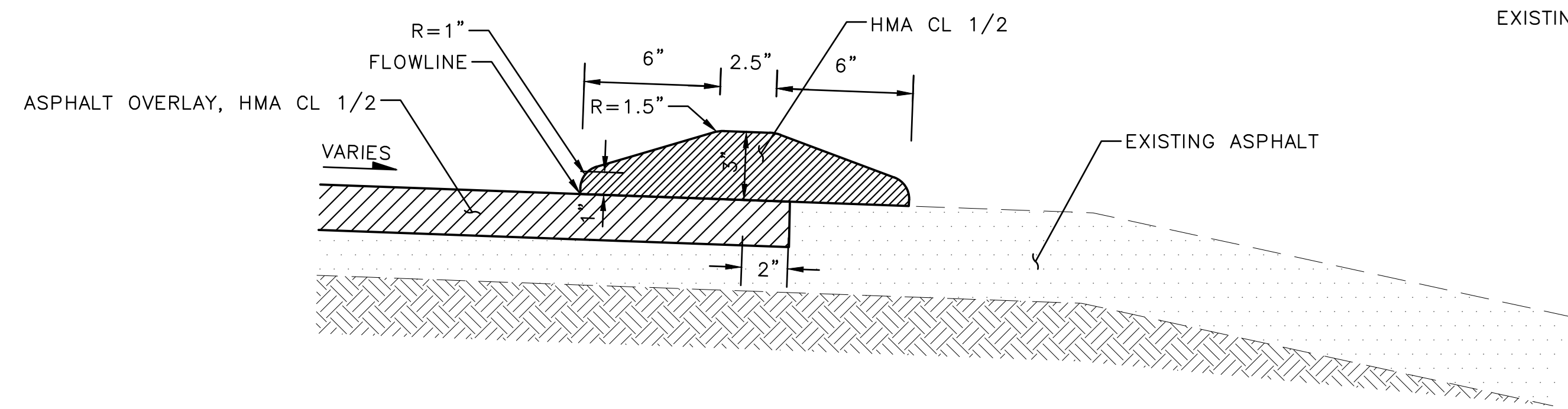
PC	TRC1194
CO	
VPI #	782-333
CP102	
SHEET	17 OF 18

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Mar-22-24 2:46pm



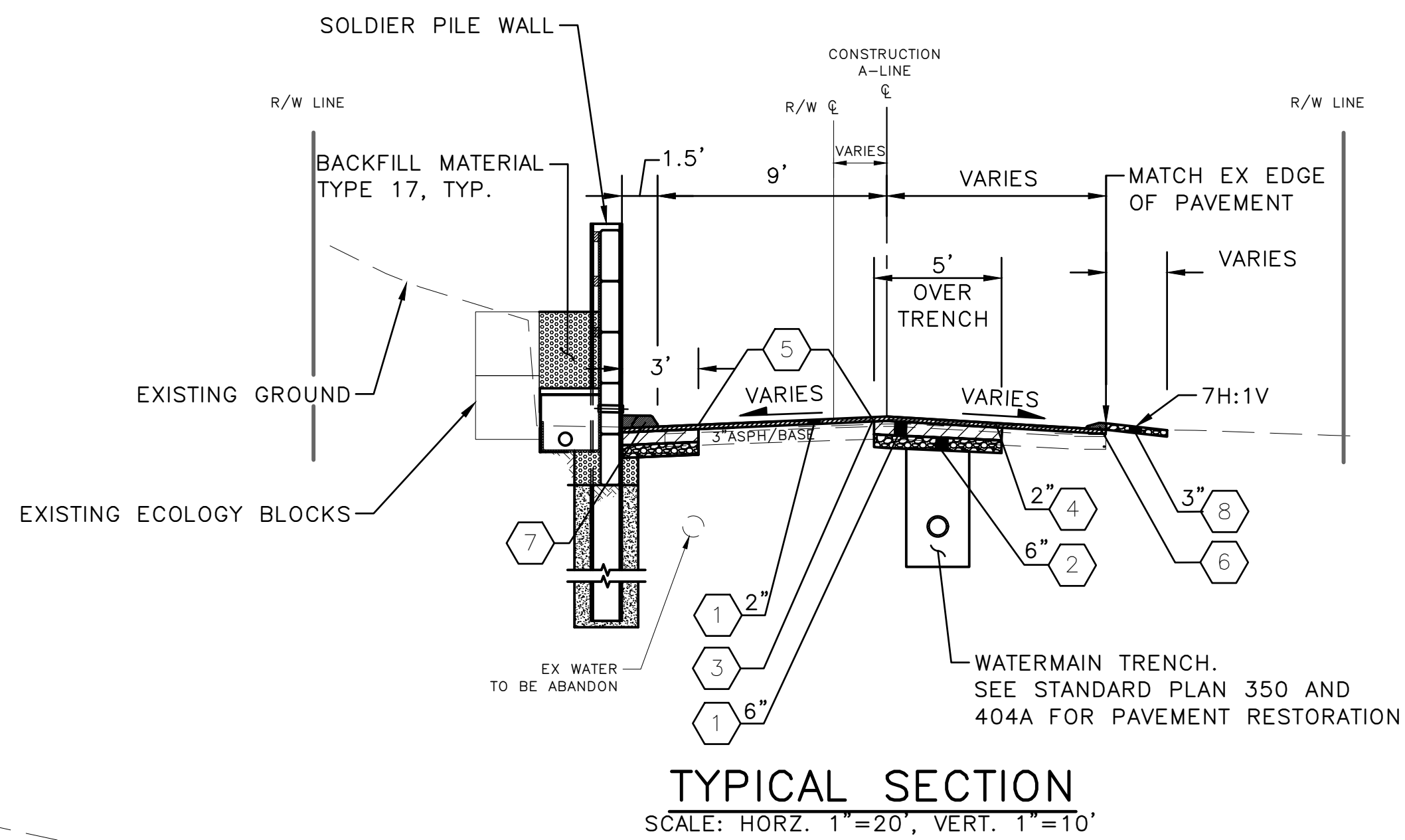
ASPHALT MOUNTABLE EDGE

NTS
STA 100+74 TO 102+18



ASPHALT MOUNTABLE EDGE

NTS
STA 102+18 TO STA 102+62.6



TYPICAL SECTION

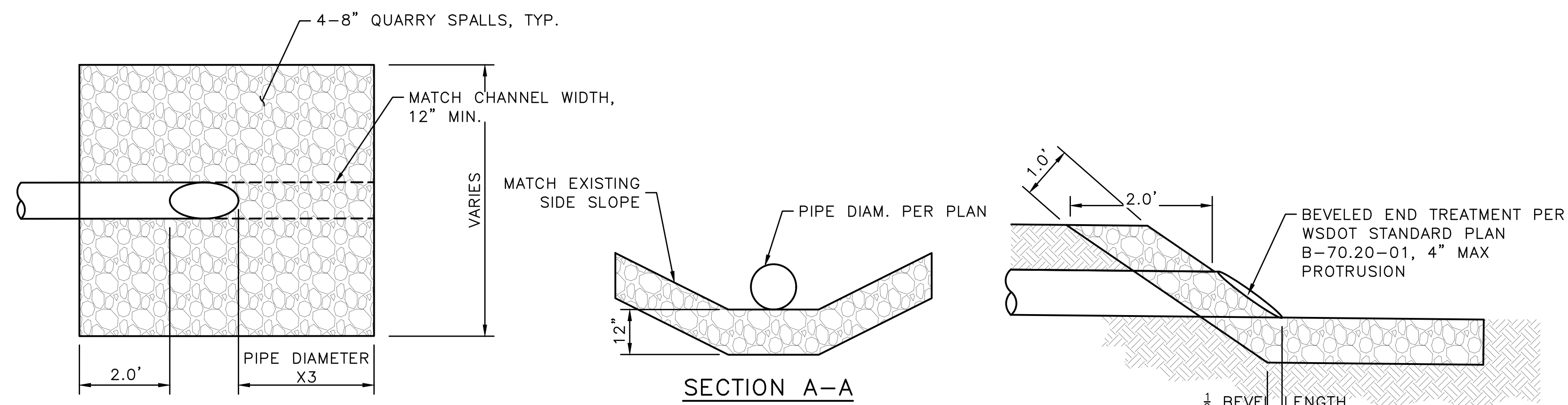
SCALE: HORZ. 1"=20', VERT. 1"=10'

NOTES

- 1 PAVEMENT, HMA CL 1/2" PG 58H-22
- 2 MINERAL AGGREGATE TYPE 2
- 3 SURFACE PREPARATION, PRELEVEL. SEE SECTION 5-04.3(4)B2.
- 4 SURFACE PREPARATION, PLANE BITUMINOUS PAVEMENT, 2" OR TO BASE, WHICHEVER IS LESS
- 5 SAWCUT ASPHALT CONCRETE, FULL DEPTH PER STANDARD PLAN 404C.
- 6 ASPHALT MOUNTABLE EDGE, HMA CL 1/2". SEE DETAIL.
- 7 ASPHALT EXTRUDED CURB, PER STD PLAN 412. REFER TO SHEET S-201 FOR WALL DETAIL.
- 8 MINERAL AGGREGATE TYPE 1

GENERAL NOTES

- 1. ALL DEPTHS ARE COMPACTED DEPTHS.
- 2. SEE GRADING & ALIGNMENT PLAN FOR FINISHED GRADE ELEVATIONS



PLAN VIEW

NTS

SECTION A-A

NTS

SECTION B-B

NTS

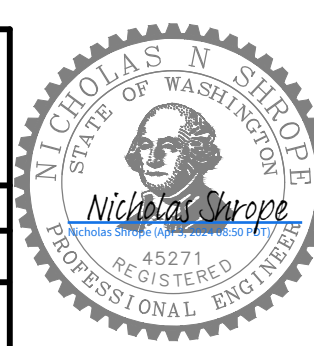
CULVERT INLET PROTECTION

NTS

ROADWAY SECTION & DETAILS

APPROVED FOR ADVERTISING
FAS PURCHASING AND CONTRACTING DIRECTOR
SEATTLE, WASHINGTON 20
BY:
FAS PURCHASING AND CONTRACTING DIRECTOR

INITIALS AND DATE		INITIALS AND DATE	
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PERKINS LANE RETAINING WALL AND WATER MAIN REPLACEMENT

PC	TRC1194
CO	
VPI #	782-333
CP201	
SHEET	18 OF 18

VAULT SERIAL NO.	38337
DATE	MARK
NATURE	REVISIONS
MADE	CHK'D
REV'D	

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