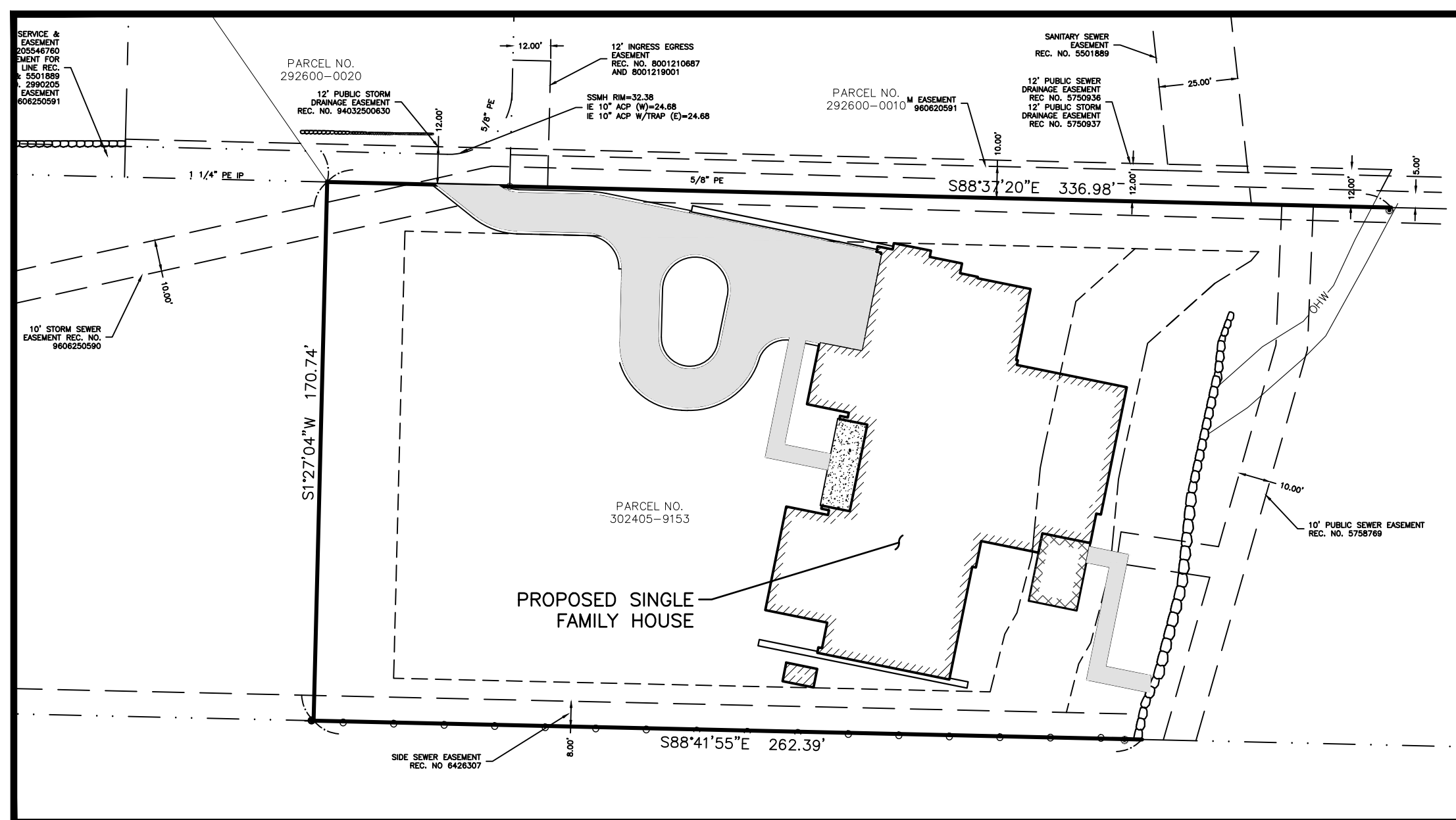
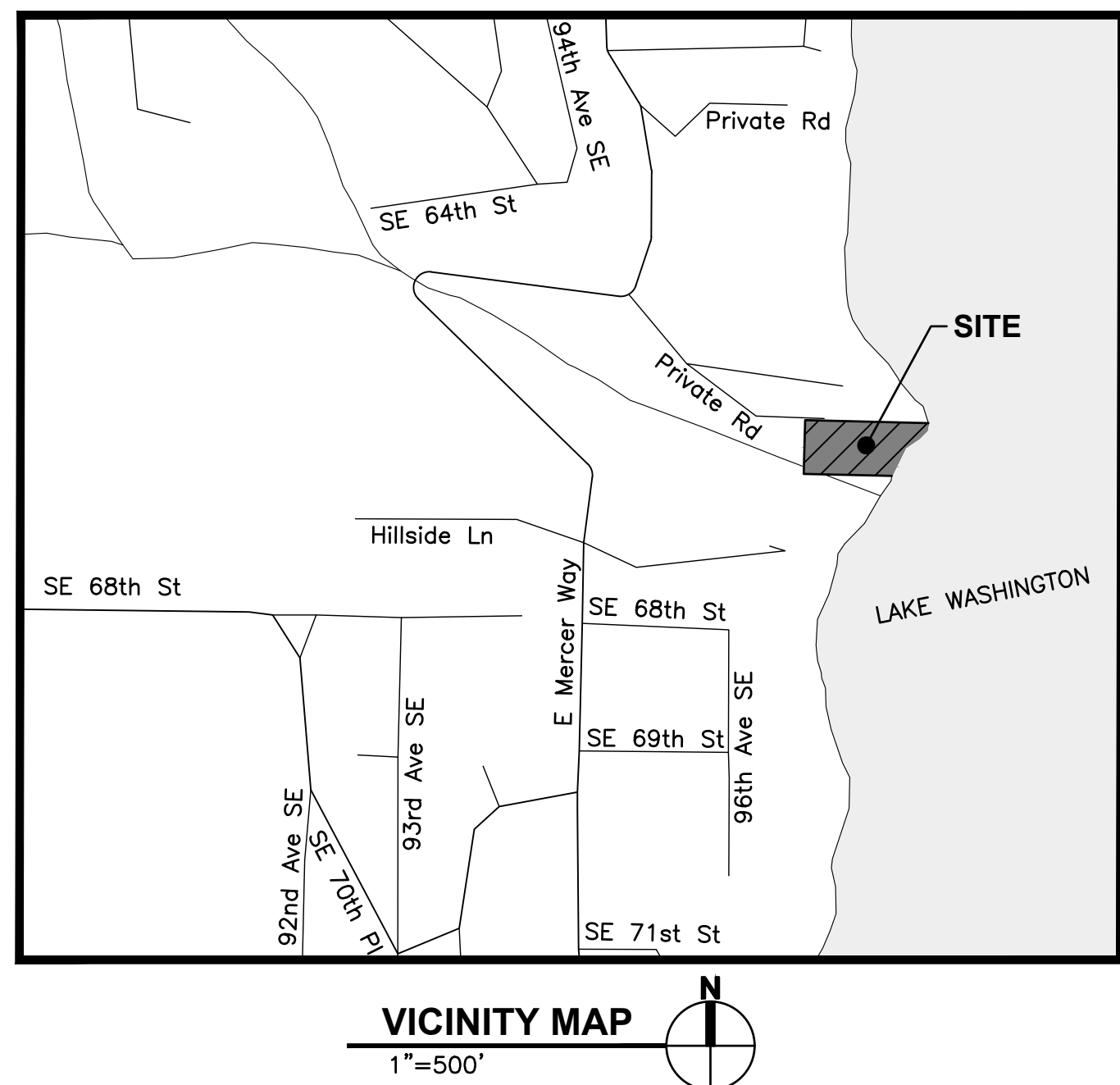




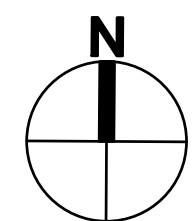
KONERU SINGLE FAMILY RESIDENCE (PERMIT NO. 2112-250)

**6610 EAST MERCER WAY
MERCER ISLAND, WA. 98040**

PROJECT CONTACTS	
OWNER/APPLICANT: DHEERAJ KONERU	
7002 93RD AVENUE SE MERCER ISLAND, WA 98040	
ENGINEER/SURVEY: PACE ENGINEERS, INC.	
11255 KIRKLAND WAY, SUITE 300 KIRKLAND, WA 98033 JOHN ANDERSON, PE BILL HAWKINS, PLS PHONE: (425) 827-2014 EMAIL: JOHN@PACEENGRS.COM BILLH@PACEENGRS.COM	
ARBORIST: TREE 133, LLC	
12408 17TH AVENUE NE SEATTLE, WA. 98125 CRAIG BACHMANN, CERTIFIED ARBORIST PHONE: (206) 745-0473 ARBORIST@TREE133.COM	
GEOTECHNICAL: GEOTECH CONSULTANTS, INC.	
2401 10TH AVENUE E. SEATTLE, WA 98102 MARC MCGINNIS, PE PHONE: (425) 747-5618 EMAIL:	



SITE MAP
SCALE: 1"=40'



SHEET INDEX	
SHEET NO.	SHEET TITLE
C0.0	COVER
C0.1	NOTES
C1.0	EXISTING CONDITIONS
C2.0	TESC PLAN
C2.1	TESC DETAILS
C3.0	STORM & GRADING PLAN
C4.0	UTILITY PLAN
C4.1	UTILITY DETAILS
C4.2	WATER SERVICE PROFILE
L1.0	TREE RETENTION PLAN

CITY OF MERCER ISLAND FILE NUMBER	
PRE-SUBMITTAL CONFERENCE NUMBER:	PRE21-023

UTILITY PURVEYORS	
WATER:	CITY OF MERCER ISLAND
SEWER:	CITY OF MERCER ISLAND
ELECTRICITY:	PUGET SOUND ENERGY
GAS:	PUGET SOUND ENERGY
TELEPHONE:	CENTURY LINK
CABLE:	CENTURY LINK/XFINITY
SCHOOL DISTRICT:	MERCER ISLAND SCHOOL DISTRICT

EARTHWORK SUMMARY	
APPROX. CUT	464 CY
APPROX. FILL	1251 CY
NET	787 CY FILL

PROJECT INFORMATION	
SITE DATA	
ADDRESS:	6610 EAST MERCER WAY
PARCEL NUMBER:	3024059153
PARCEL AREA:	50,094 SF
LEGAL DESCRIPTION:	THE SOUTH HALF OF THAT PORTION OF GOVERNMENT LOT 1, SECTION 30, TOWNSHIP 24 NORTH, RANGE 5 EAST, LYING BETWEEN THE NORTH 498 FEET THEREOF AND SOUTH 471 FEET THEREOF AND EASTERLY OF A LINE PARALLEL WITH AND 1588.78 FEET EASTERLY OF (MEASURED AT RIGHT ANGLES TO) THE WEST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 30; EXCEPT THE SOUTH 9 FEET THEREOF.
	TOGETHER WITH SHORELANDS OF THE SECOND CLASS IN FRONT AND ABUTTING UPON SAID PORTION OF SADI GOVERNMENT LOT 1.
	TOGETHER WITH AN EASEMENT FOR UNOBSTRUCTED INGRESS AND EGRESS OVER THE EXISTING PRIVATE ROADWAY EXTENDING NORTHWESTERLY TO EAST MERCER WAY APPURTENANT TO THE PROPERTY HEREBY CONVEYED.
	SITUATE IN THE CITY OF MERCER ISLAND, COUNTY OF KING, STATE OF WASHINGTON
ZONING SUMMARY	
EXISTING ZONING:	R-15
MINIMUM LOT SIZE:	15,000 SQ. FT.
MAXIMUM HEIGHT:	30' ABOVE ABE
MAX. LOT COVERAGE:	LOT 1 13,588 SQ. FT.
BUILDING SETBACKS	
SIDE:	SUM 15' WITH 5' MIN.
REAR:	25
FRONT:	20

PROJECT INFORMATION	
DEVELOPMENT SUMMARY	
PROPOSED NUMBER LOTS:	1
NUMBER OF DWELLING UNITS:	1
GROSS SITE AREA:	50,094 SQ. FT.
NET SITE AREA:	50,094 SQ. FT.
EXISTING IMPERVIOUS AREA:	9,073 SQ. FT.
PROPOSED IMPERVIOUS AREA:	13,527 SQ. FT.

DATE	8/19/22
SYN	RESPONSE TO COMMENTS DATED 7/21/22
REVISION	
11255 Kirkland Way, Suite 300 Kirkland, WA 98033 p. 425.827.2014 f. 425.827.5043 www.paceenrs.com	
DHEERAJ KONERU 7002 93RD AVENUE SE MERCER ISLAND, WA 98040	
KONERU BUILDING PERMIT 6610 EAST MERCER WAY MERCER ISLAND, WA 98040	
COVER SHEET	
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY. SCALE: AS SHOWN DATE: 05/11/22 DESIGNED BY: MA CHECKED BY: JA PACE PROJECT NO. 21436.00	
SHEET C0.0	

FILE NAME: P:\21\21436_KONERU RESIDENCE\CAD\ENGINEERING SHEETS\SPR. BUILDING PERMIT\21436_C0R-SPR.DWG
 USER: JBA DATE: 9/9/2022 3:49 PM
 PLOT FILE: P:\21\21436_KONERU RESIDENCE\CAD\ENGINEERING SHEETS\SPR. BUILDING PERMIT\21436_C0R-SPR.DWG
 XREF FILES: P:\21\21436_KONERU RESIDENCE\CAD\ENGINEERING SHEETS\SPR. BUILDING PERMIT\21436_C0R-SPR.DWG

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UNDERGROUND SERVICE (USA)

DRAINAGE NOTES:

- 1. PROOF OF LIABILITY INSURANCE SHALL BE SUBMITTED TO CITY PRIOR TO THE PRECONSTRUCTION MEETING.
2. ALL PIPE AND APPURTENANCES SHALL BE LAID ON A PROPERLY PREPARED FOUNDATION IN ACCORDANCE WITH WSDOT 7-02.3(1). THIS SHALL INCLUDE LEVELING AND COMPACTING THE TRENCH BOTTOM, THE TOP OF THE FOUNDATION MATERIAL, AND ANY REQUIRED PIPE BEDDING, TO A UNIFORM GRADE SO THAT THE ENTIRE PIPE IS SUPPORTED BY A UNIFORMLY DENSE UNYIELDING BASE.
3. STEEL PIPE SHALL BE GALVANIZED AND HAVE ASPHALT TREATMENT #1 OR BETTER INSIDE AND OUTSIDE
4. ALL DRAINAGE STRUCTURES, SUCH AS CATCH BASINS AND MANHOLES, NOT LOCATED WITHIN A TRAVELED ROADWAY OR SIDEWALK, SHALL HAVE SOLID LOCKING LIDS. ALL DRAINAGE STRUCTURES ASSOCIATED WITH A PERMANENT RETENTION/DETENTION FACILITY SHALL HAVE SOLID LOCKING LIDS.
5. ALL CATCH BASIN GRATES SHALL CONFORM TO WSDOT DRAWING NUMBERS B-35.20-00 AND B-35.40-00, WHICH INCLUDES THE STAMPING "OUTFALL TO STREAM, DUMP NO POLLUTANTS".
6. ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO A DEPTH OF 1 FOOT, AND MUST MEET THE FOLLOWING SPECIFICATIONS: 4"- 8" ROCK/40%-70% PASSING; 2"-4" ROCK/30%-40% PASSING; AND -2" ROCK/10%-20% PASSING. INSTALLATION SHALL BE IN ACCORDANCE WITH WSDOT STANDARDS

PERMANENT SEEDING NOTES

- 1. SEEDING SHOULD BE DONE IMMEDIATELY AFTER FINAL SHAPING IF COMPLETED DURING THE PERIODS OF APRIL 1 THROUGH JUNE 30 AND SEPTEMBER 1 THROUGH OCTOBER 1 (IF PLANTED BETWEEN JULY 1 AND AUGUST 31 IRRIGATION MAY BE REQUIRED). SITES WHICH CANNOT BE SEEDD DURING THIS TIME PERIOD SHOULD BE PROTECTED UNTIL THE NEXT SEEDING PERIOD WITH MULCH.
2. PERMANENT VEGETATION MAY BE IN THE FORM OF GRASS SEED MIXTURES, SOD, OR WETLANDS SEED/TUBER MIXTURES. SEED ESTABLISHMENT SHALL INCLUDE THE USE OF SUPPLEMENTAL MATERIALS, SUCH AS MULCH.
3. SITE PREPARATION - INSTALL ALL REQUIRED SURFACE WATER CONTROL MEASURES.
4. SEEDBED PREPARATION MAY INCLUDE THE FOLLOWING:
A. IF INFERTILE OR COARSE TEXTURED SUBSOIL WILL BE EXPOSED DURING GRADING, STOCKPILE TOPSOIL AND RE-SPREAD IT OVER THE FINISHED SLOPE AND ROLL IT TO PROVIDE A FIRM SEEDBED.
B. IF CONSTRUCTION FILLS HAVE LEFT SOIL EXPOSED WITH A LOOSE, ROUGH, OR IRREGULAR SURFACE, TRACK WALK UP SLOPE.
C. IF CUTS OR CONSTRUCTION EQUIPMENT HAVE LEFT A TIGHTLY COMPACTED SURFACE, BREAK WITH CHISEL PLOW OR OTHER SUITABLE IMPLEMENT. PERFORM ALL CULTURAL OPERATIONS ACROSS OR AT RIGHT ANGLES TO THE SLOPES (CONTOURED). THE SEEDBED SHOULD BE FIRM WITH A FAIRLY FINE SURFACE AFTER ROUGHENING.
5. FERTILIZATION - IN GENERAL, 10-20-20 N-P-K FERTILIZER AT A RATE OF 90 LBS./ACRE. DEVELOPMENTS ADJACENT TO WATER BODIES AND WETLANDS MUST USE SLOW RELEASE LOW-PHOSPHORUS FERTILIZER (TYPICAL 3-1-2 N-P-K).
6. "HYDROSEEDING" APPLICATIONS WITH APPROVED SEED-MULCH-FERTILIZER MIXTURES MAY ALSO BE USED, AS LONG AS TACKIFIER IS INCLUDED.
7. SEEDING - APPLY APPROPRIATE MIXTURE TO THE PREPARED SEEDBED AT A RATE OF 120 LBS./ACRE. COVER THE SEED WITH TOPSOIL OR MULCH NO DEEPER THAN 1/2 INCH.
8. INSPECT SEEDD AREAS FOR FAILURE AND MAKE NECESSARY REPAIRS AND RE-SEEDINGS IMMEDIATELY.
A. IF VEGETATIVE COVER IS INADEQUATE TO PREVENT RILL EROSION, OVERSEED AND FERTILIZE IN ACCORDANCE WITH SOIL TEST.
B. IF A STAND HAS LESS THAN 40% COVER, REEVALUATE CHOICE OF PLANT MATERIALS AND QUANTITIES OF LIME AND FERTILIZER. RE-ESTABLISH THE STAND FOLLOWING SEEDBED PREPARATION AND SEEDING RECOMMENDATIONS, OMITTING LIME AND FERTILIZER IN THE ABSENCE OF SOIL TEST RESULTS.

GENERAL NOTES

- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MERCER ISLAND STANDARDS, AND THE CITY CONDITIONS OF APPROVAL. IT SHALL BE THE SOLE RESPONSIBILITY OF THE APPLICANT AND THE PROFESSIONAL CIVIL ENGINEER TO CORRECT ANY ERROR, OMISSION, OR VARIATION FROM THE ABOVE REQUIREMENTS FOUND IN THESE PLANS. ALL CORRECTIONS SHALL BE AT NO ADDITIONAL COST OR LIABILITY TO KING COUNTY.
2. BEFORE ANY CONSTRUCTION OR DEVELOPMENT ACTIVITY, A PRE-CONSTRUCTION MEETING MUST BE HELD BETWEEN THE CITY INSPECTION UNIT, THE APPLICANT, AND THE APPLICANT'S CONSTRUCTION REPRESENTATIVE.
3. A COPY OF THESE APPROVED PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS. CONSTRUCTION NOISE SHALL BE LIMITED AS PER CODE; NORMALLY, THIS IS 7 A.M. TO 10 P.M. WEEKDAYS AND 9 A.M. TO 10 P.M. ON WEEKENDS.
4. IT SHALL BE THE APPLICANT'S/CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL CONSTRUCTION EASEMENTS NECESSARY BEFORE INITIATING OFF-SITE WORK WITHIN THE ROAD RIGHTS-OF-WAY. DATUM SHALL BE KCAS UNLESS OTHERWISE APPROVED BY THE CITY. GROUNDWATER SYSTEM CONSTRUCTION SHALL BE WITHIN A RIGHT-OF-WAY OR APPROPRIATE DRAINAGE EASEMENT, BUT NOT UNDERNEATH THE ROADWAY SECTION. ALL GROUNDWATER SYSTEMS MUST BE CONSTRUCTED IN ACCORDANCE WITH SECTION B1 3.02 OF THE APWA STANDARD SPECIFICATIONS.
5. ALL UTILITY TRENCHES SHALL BE BACK FILLED AND COMPACTED TO 95 PERCENT DENSITY.
6. OPEN CUTTING OF EXISTING ROADWAYS IS NOT ALLOWED UNLESS SPECIFICALLY APPROVED BY THE CITY AND NOTED ON THESE APPROVED PLANS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE SAFEGUARDS, SAFETY DEVICES, PROTECTIVE EQUIPMENT, FLAGGERS, AND ANY OTHER NEEDED ACTIONS TO PROTECT THE LIFE, HEALTH, AND SAFETY OF THE PUBLIC, AND TO PROTECT PROPERTY IN CONNECTION WITH THE PERFORMANCE OF WORK COVERED BY THE CONTRACTOR. ANY WORK WITHIN THE TRAVELED RIGHT-OF-WAY THAT MAY INTERRUPT NORMAL TRAFFIC FLOW SHALL REQUIRE AT LEAST ONE FLAGGER FOR EACH LANE OF TRAFFIC AFFECTED. ALL SECTIONS OF THE WSDOT STANDARD SPECIFICATIONS 1-07.23 - TRAFFIC CONTROL, SHALL APPLY.

EMBANKMENT NOTES

- 1. EMBANKMENTS SHALL BE CONSTRUCTED IN ALL ASPECTS TO THE PROVISIONS OF SECTION 2.03 OF THE WSDOT / APWA STANDARD SPECIFICATIONS.
2. COMPACTION OF THE TOP TWO FEET OF FILL SUBGRADE AND TOP SIX INCHES OF CUT SUBGRADE SHALL MEET A MINIMUM 95% MAXIMUM DENSITY IN ACCORDANCE WITH WSDOT / APWA STANDARD SPECIFICATION SECTION 2-03.3(14)C - METHOD B. SUBGRADE FILL BELOW THE TOP TWO FEET SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY.
3. IN CASES WHERE TESTS DO NOT MEET THE MINIMUM STANDARD, CORRECTIVE ACTION SHALL BE TAKEN SUCH AS ADDING WATER, AERATING, REPLACING MATERIAL, OR APPLYING MORE COMPACTIVE EFFORT AS DIRECTED BY THE DEVELOPERS GEOTECHNICAL ENGINEER. RETESTS SHALL SHOW PASSING DENSITIES PRIOR TO PLACING THE NEXT LIFT OF SUBGRADE FILL.
4. IMMEDIATELY UPON COMPLETING EMBANKMENT CONSTRUCTION, THE SIDESLOPES SHALL BE SEEDD WITH A KING COUNTY APPROVED EROSION CONTROL SEED MIX AND JUTE MATTING PLACED AND ANCHORED PER MANUFACTURER. NO FERTILIZER SHALL BE USED. 5. SIDESLOPES SHALL NOT EXCEED 2:1 WITHOUT RECEIVING PRIOR APPROVAL FROM THE DEVELOPER'S GEOTECHNICAL ENGINEER.

GRADING NOTES:

- 1. ALL CUT MATERIAL GENERATED DURING THE PROJECT THAT IS NOT ACCEPTABLE FOR USE AS COMPACTED FILL MATERIAL AT ANOTHER LOCATION ON-SITE MUST BE HAULED TO AN APPROVED LOCATION OFF-SITE.
2. ALL TEMPORARY OR PERMANENT SLOPES SHALL NOT EXCEED 2H:1V UNLESS APPROVED BY A GEOTECHNICAL ENGINEER.
3. FILL MATERIAL PLACED UNDER BUILDING FOUNDATIONS OR PAVEMENT SHALL BE CRUSHED BASE ROCK OR COMPACTED STRUCTURAL FILL IN ACCORDANCE TO WSDOT STANDARD SPECIFICATIONS.
4. ROCKERY AND/OR RETAINING WALLS GREATER THAN FOUR (4) FEET IN HEIGHT REQUIRES A BUILDING PERMIT FROM THE CITY OF MERCER ISLAND.
5.
6. IT WILL BE THE PERMITEE'S RESPONSIBILITY TO SUCCESSFULLY CAP AND ABANDON ALL EXISTING UTILITIES WITHIN THE DEVELOPMENT IN ACCORDANCE TO THE GOVERNING UTILITY AGENCY.
7. ALL STRUCTURAL FILL AND BACKFILL AREAS MUST BE INSPECTED AND APPROVED AFTER STRIPPING AND PRIOR TO PLACING FILL, BY THE PROJECT GEOTECHNICAL ENGINEER OR DESIGNATED REPRESENTATIVE. PROPER FILL PLACEMENT AND COMPACTION SHALL BE VERIFIED WITH FIELD AND LABORATORY DENSITY TESTING BY THE GEOTECHNICAL ENGINEER OR A QUALIFIED TESTING LABORATORY. WRITTEN CERTIFICATION OF ALL APPROVALS SHALL BE GIVEN TO THE KING COUNTY SITE INSPECTOR.

ADDITIONAL NOTES

- 1. THIS PLAN MAY NOT SHOW THE LOCATION OF ALL EXISTING UTILITIES, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION.
2. THE CONTRACTOR SHALL EXPOSE ALL EXISTING PIPING THAT WILL BE CONNECTED TO WITH NEW PIPING. DEPTH, LOCATION, AND CONDITION SHALL BE RELAYED TO THE ENGINEER IF CONDITIONS VARY SIGNIFICANTLY FROM WHAT IS DETAILED OR ANTICIPATED.

STRUCTURAL NOTES

- 1. ROCKERIES ARE CONSIDERED TO BE A METHOD OF BANK STABILIZATION AND EROSION CONTROL. ROCKERIES SHALL NOT BE CONSTRUCTED TO SERVE AS RETAINING WALLS. ALL ROCKERIES SHALL BE DESIGNED. SEE DETAIL INCLUDED IN PLAN SET.

EROSION AND SEDIMENT CONTROL NOTES:

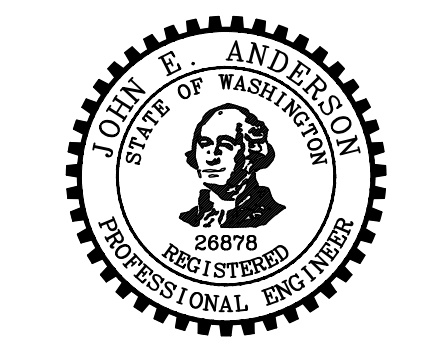
- 1. APPROVAL OF THIS EROSION AND SEDIMENT CONTROL (ESC) PLAN DOES NOT CONSTITUTE AN APPROVAL OF PERMANENT ROAD OR DRAINAGE DESIGN (E.G. SIZE AND LOCATION OF ROADS, PIPES, RESTRICTORS, CHANNELS, RETENTION FACILITIES, UTILITIES, ETC.).
2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED BY A CONTINUOUS LENGTH OF SURVEY TAPE (OR FENCING, IF REQUIRED) PRIOR TO CONSTRUCTION. DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE CLEARING LIMITS SHALL BE PERMITTED. THE CLEARING LIMITS SHALL BE MAINTAINED BY THE APPLICANT/ESC SUPERVISOR FOR THE DURATION OF CONSTRUCTION.
4. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED PRIOR TO OR IN CONJUNCTION WITH ALL CLEARING AND GRADING SO AS TO ENSURE THAT THE TRANSPORT OF SEDIMENT TO SURFACE WATERS, DRAINAGE SYSTEMS, AND ADJACENT PROPERTIES IS MINIMIZED.
5. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND MODIFIED TO ACCOUNT FOR CHANGING SITE CONDITIONS (E.G. ADDITIONAL SUMP PUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.).
6. THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/ESC SUPERVISOR AND MAINTAINED TO ENSURE CONTINUED PROPER FUNCTIONING. WRITTEN RECORDS SHALL BE KEPT OF WEEKLY REVIEWS OF THE TESC FACILITIES DURING THE WET SEASON (OCT. 1 TO APRIL 30) AND OF MONTHLY REVIEWS DURING THE DRY SEASON (MAY 1 TO SEPT. 30).
7. ANY AREAS OF EXPOSED SOILS, INCLUDING ROADWAY EMBANKMENTS, THAT WILL NOT BE DISTURBED FOR TWO DAYS DURING THE WET SEASON OR SEVEN DAYS DURING THE DRY SEASON SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G., SEEDING, MULCHING, PLASTIC COVERING, ETC.).
8. ANY AREA NEEDING ESC MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.
9. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN 48 HOURS FOLLOWING A STORM EVENT.
10. AT NO TIME SHALL MORE THAN ONE (1) FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT-LADEN WATER INTO THE DOWNSTREAM SYSTEM.
11. STABILIZED CONSTRUCTION ENTRANCES AND ROADS SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES, SUCH AS WASH PADS, MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
12. ANY PERMANENT FLOW CONTROL FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION SYSTEM, THE TEMPORARY FACILITY MUST BE GRADED SO THAT THE BOTTOM AND SIDES ARE AT LEAST THREE FEET ABOVE THE FINAL GRADE OF THE PERMANENT FACILITY.
13. WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF TWO TO THREE INCHES.
14. PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDD IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDD WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THOSE AREAS TO BE SEEDD AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE DDES INSPECTOR. THE DDES INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS, ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.

SEEDING NOTES

Table with 4 columns: TEMPORARY SEED MIX, WEIGHT, PURITY, GERMINATION. Rows include CHEWINGS OR RED FESCUE, FESTUCA RUBRA VAR. COMMUTATA OR FESTUCA RUBRA, ANNUAL OR PERENNIAL RYE, LOLIUM MULTIFLORUM OR LOLIUM PERENN, RED TOP OR COLONIAL BENTGRASS, AGROSTIS ALBA OR AGROSTIS TENUIS, WHITE DUTCH CLOVER, TRIFOLIUM REPENS.

Table with 4 columns: LANDSCAPE SEED MIX, WEIGHT, PURITY, GERMINATION. Rows include CHEWINGS OR RED FESCUE, FESTUCA RUBRA VAR. COMMUTATA OR FESTUCA RUBRA, PERENNIAL RYE BLEND, LOLIUM PERENNE.

Revision table with columns: SYM, REVISION, COMMENTS, DATED, DATE. Row 1: SYM, RESPONSE TO COMMENTS, DATED 7/21/22, 8/19/22.



DHEERAJ KONERU
7002 93RD AVENUE SE
MERCER ISLAND, WA 98040

KONERU
BUILDING PERMIT
6610 EAST MERCER WAY
MERCER ISLAND, WA 98040
GENERAL NOTES

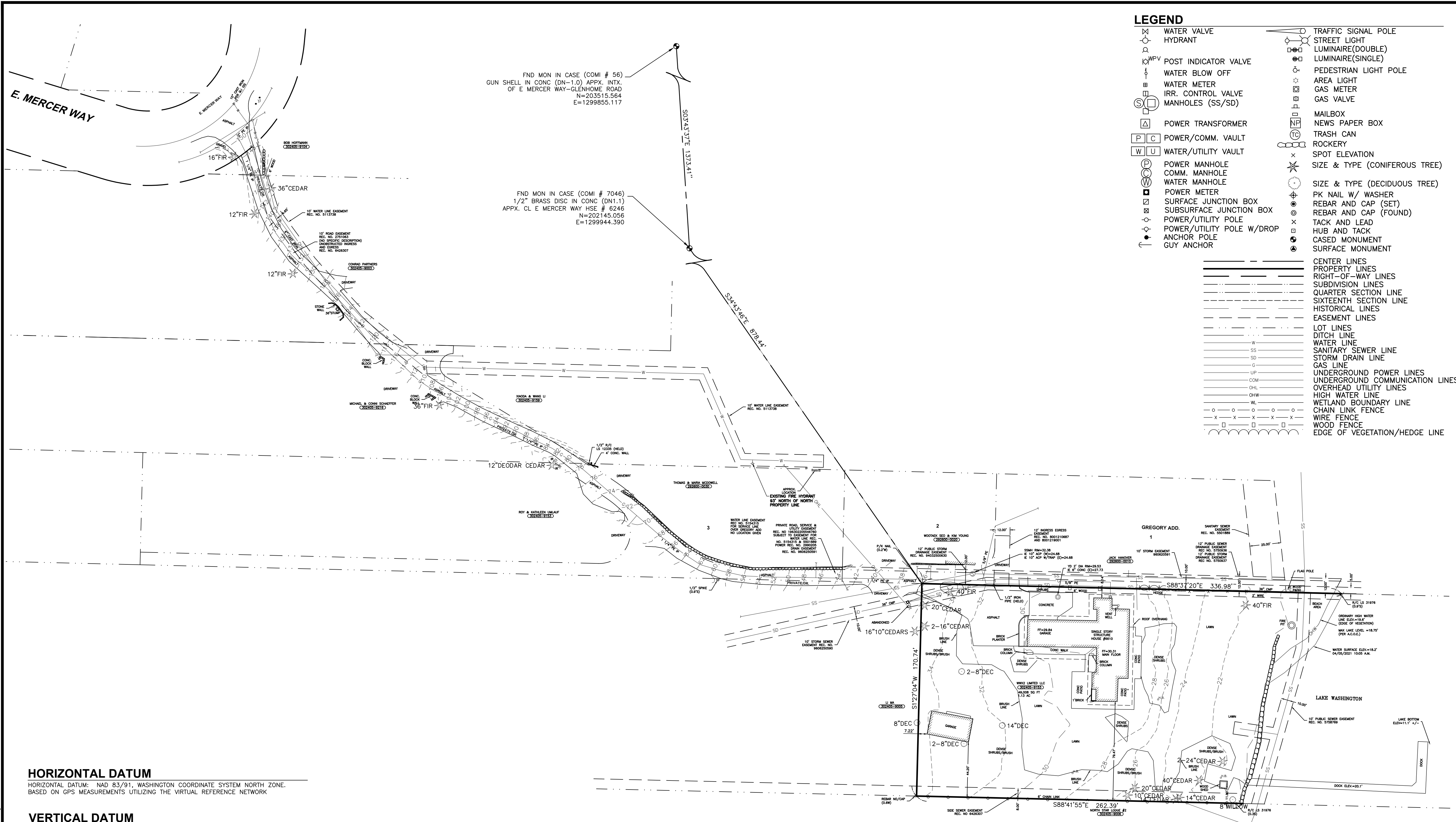
VERIFY SCALE
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0 1
IF NOT ONE INCH ON THIS SHEET,
ADJUST SCALES ACCORDINGLY.
SCALE: AS SHOWN DATE: 05/11/22
DESIGNED BY: MA CHECKED BY: JA
PACE PROJECT NO. 21436.00

SHEET C0.1

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FILE NAME: P:\21436\21436_KONERU_BUILDING_PERMIT\21436_CDR-SFR.DWG
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DATE: 5/9/2022 3:49 PM
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PLOT DATE: 5/9/2022 3:49 PM
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 PLOT TIME: 9/19/2022 3:49 PM
 XREF FILES: 21436_BDR.dwg 21436_DEMO.dwg 9433-11-SRW.dwg 21436-SRW.dwg



LEGEND	
	WATER VALVE
	HYDRANT
	POST INDICATOR VALVE
	WATER BLOW OFF
	WATER METER
	IRR. CONTROL VALVE
	MANHOLES (SS/SD)
	POWER TRANSFORMER
	POWER/COMM. VAULT
	WATER/UTILITY VAULT
	POWER MANHOLE
	COMM. MANHOLE
	WATER MANHOLE
	POWER METER
	SURFACE JUNCTION BOX
	SUBSURFACE JUNCTION BOX
	POWER/UTILITY POLE
	POWER/UTILITY POLE W/DROP
	ANCHOR POLE
	GUY ANCHOR
	TRAFFIC SIGNAL POLE
	STREET LIGHT
	LUMINAIRE(DOUBLE)
	LUMINAIRE(SINGLE)
	PEDESTRIAN LIGHT POLE
	AREA LIGHT
	GAS METER
	GAS VALVE
	MAILBOX
	NEWS PAPER BOX
	TRASH CAN
	ROCKERY
	SPOT ELEVATION
	SIZE & TYPE (CONIFEROUS TREE)
	SIZE & TYPE (DECIDUOUS TREE)
	PK NAIL W/ WASHER
	REBAR AND CAP (SET)
	REBAR AND CAP (FOUND)
	TACK AND LEAD
	HUB AND TACK
	CASED MONUMENT
	SURFACE MONUMENT
	CENTER LINES
	PROPERTY LINES
	RIGHT-OF-WAY LINES
	SUBDIVISION LINES
	QUARTER SECTION LINE
	SIXTEENTH SECTION LINE
	HISTORICAL LINES
	EASEMENT LINES
	LOT LINES
	DITCH LINE
	WATER LINE
	SANITARY SEWER LINE
	STORM DRAIN LINE
	GAS LINE
	UNDERGROUND POWER LINES
	UNDERGROUND COMMUNICATION LINES
	OVERHEAD UTILITY LINES
	HIGH WATER LINE
	WETLAND BOUNDARY LINE
	CHAIN LINK FENCE
	WIRE FENCE
	WOOD FENCE
	EDGE OF VEGETATION/HEDGE LINE

HORIZONTAL DATUM
 HORIZONTAL DATUM: NAD 83/91, WASHINGTON COORDINATE SYSTEM NORTH ZONE. BASED ON GPS MEASUREMENTS UTILIZING THE VIRTUAL REFERENCE NETWORK

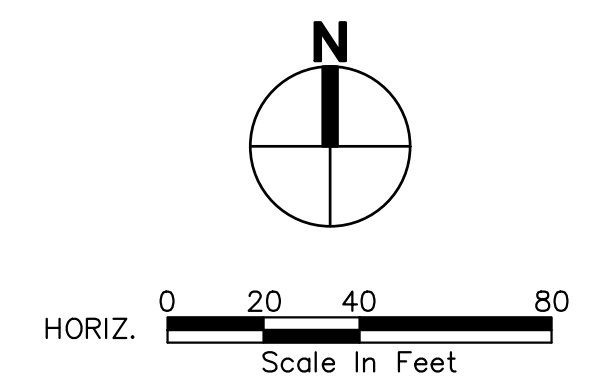
VERTICAL DATUM
 VERTICAL DATUM: NAVD 88 BASED ON GPS MEASUREMENTS UTILIZING THE VIRTUAL REFERENCE NETWORK AND GEOID 2012A MODEL.

ALL DISTANCES SHOWN ARE GROUND DISTANCES UNLESS OTHERWISE NOTED.
 THE LOCATION AND DESCRIPTION OF ALL SURVEY MARKERS SHOWN HEREON ARE BASED ON FIELD OBSERVATIONS TAKEN IN APRIL, 2021, UNLESS OTHERWISE INDICATED.

WORK PERFORMED IN CONJUNCTION WITH THIS SURVEY UTILIZED THE FOLLOWING EQUIPMENT AND PROCEDURES: (A) 1" TRIMBLE S7 SERIES ELECTRONIC TOTAL STATION, MAINTAINED TO THE MANUFACTURER'S SPECIFICATIONS PER W.A.C. 332-130-100. (B) FIELD TRAVERSE, EXCEEDING REQUIREMENTS SET FORTH IN W.A.C. 332-130-090. (C) LEASE SQUARE ADJUSTMENT USING StarNet VERSION 9.0 EXCEEDING REQUIREMENTS PER W.A.C. 332-130-080.

THIS SURVEY WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE REPORT AND DOES NOT PURPORT TO SHOW ALL EASEMENTS.

THIS TOPOGRAPHIC SURVEY DRAWING ACCURATELY PRESENTS SURFACE FEATURES LOCATED DURING THE COURSE OF THIS SURVEY. UNDERGROUND UTILITIES SHOWN HEREON ARE BASED SOLELY UPON INFORMATION PROVIDED BY OTHERS AND PACE ENGINEERS, INC. DOES NOT ACCEPT RESPONSIBILITY OR ASSUME LIABILITY FOR THEIR ACCURACY OR COMPLETENESS. CONTRACTOR/ENGINEERS SHALL VERIFY EXACT SIZE AND LOCATION PRIOR TO CONSTRUCTION.
 CALL FOR LOCATE: UTILITY LOCATION SERVICE: 811



RECORD LEGAL DESCRIPTION:
 THE SOUTH HALF OF THAT PORTION OF GOVERNMENT LOT 1, SECTION 30, TOWNSHIP 24 NORTH, RANGE 5 EAST, LYING BETWEEN THE NORTH 498 FEET THEREOF AND SOUTH 471 FEET THEREOF AND EASTERLY OF A LINE PARALLEL WITH AND 1588.78 FEET EASTERLY OF (MEASURED AT RIGHT ANGLES TO) THE WEST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 30; EXCEPT THE SOUTH 9 FEET THEREOF.

TOGETHER WITH SHORELANDS OF THE SECOND CLASS IN FRONT AND ABUTTING UPON SAID PORTION OF SADI GOVERNMENT LOT 1.

TOGETHER WITH AN EASEMENT FOR UNOBSTRUCTED INGRESS AND EGRESS OVER THE EXISTING PRIVATE ROADWAY EXTENDING NORTHWESTERLY TO EAST MERCER WAY APPURTENANT TO THE PROPERTY HEREBY CONVEYED.

SITUATE IN THE CITY OF MERCER ISLAND, COUNTY OF KING, STATE OF WASHINGTON

CALL BEFORE YOU DIG 811
 UNDERGROUND SERVICE (USA)

DATE	REVISION	SYM
8/19/22		
7/21/22	RESPONSE TO COMMENTS DATED	

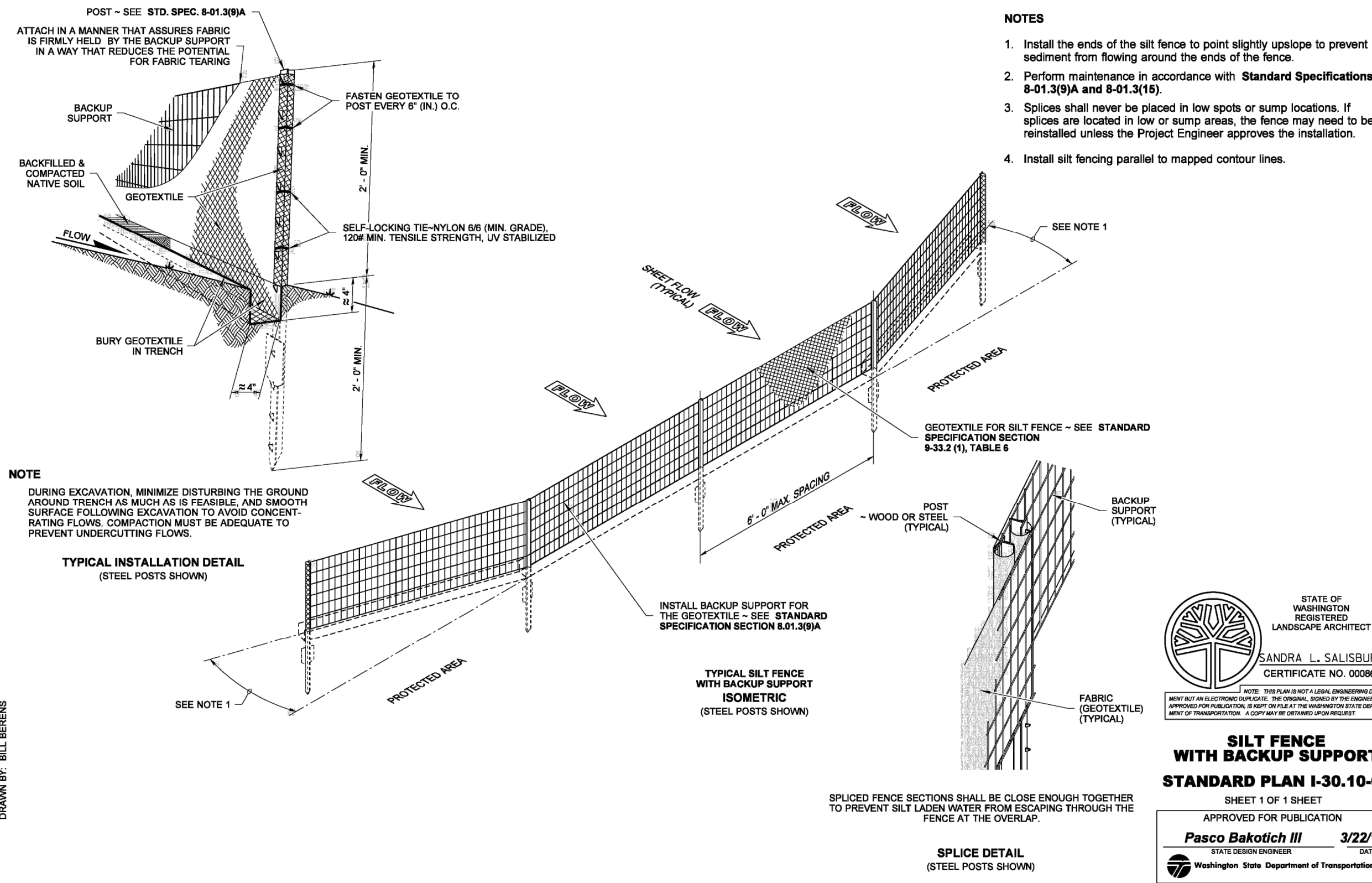
PACE
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 7002 93RD AVENUE SE
 MERCER ISLAND, WA 98040

KONERU BUILDING PERMIT
 6610 EAST MERCER WAY
 MERCER ISLAND, WA 98040
 EXISTING CONDITIONS

VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	0 1'
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	
SCALE: AS SHOWN	DATE: 05/11/22
DESIGNED BY: MA	CHECKED BY: JA
PACE PROJECT NO. 21436.00	
SHEET C1.0	



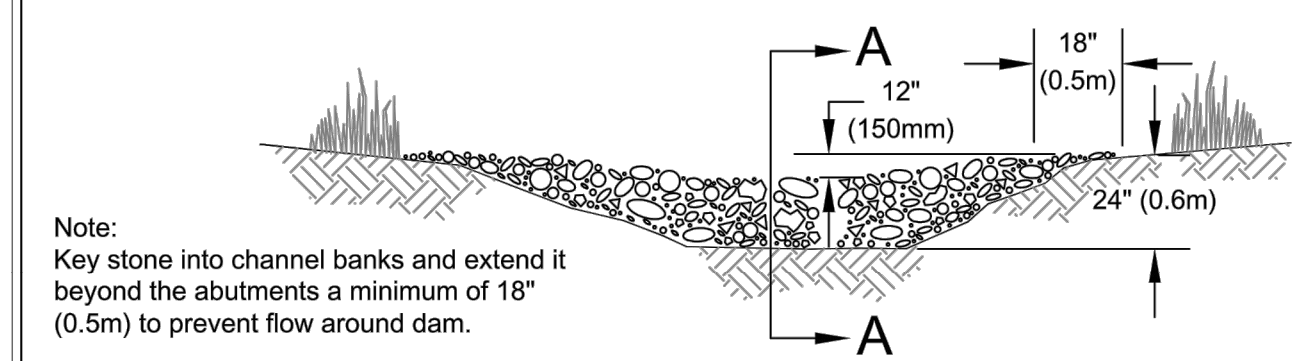
STATE OF WASHINGTON REGISTERED LANDSCAPE ARCHITECT
SANDRA L. SALISBURY
CERTIFICATE NO. 002060

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT. IT IS NOT TO BE USED FOR THE DESIGN OR CONSTRUCTION OF STRUCTURES OR FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF THE ENGINEER.

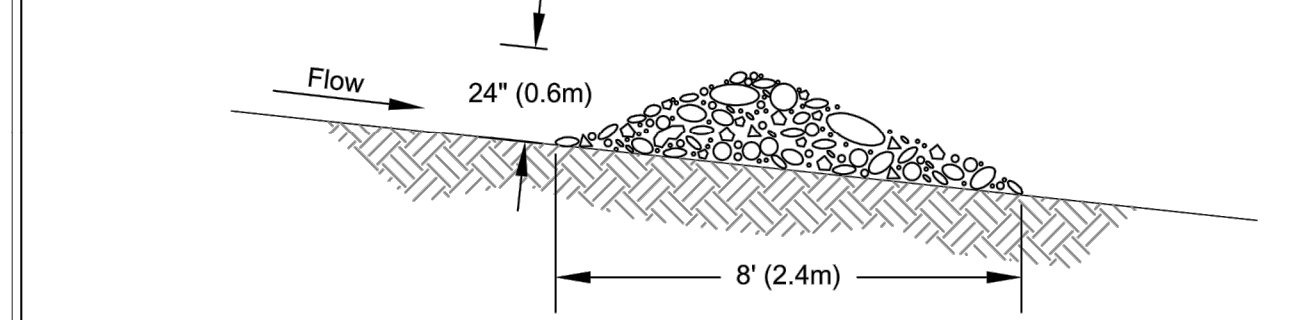
SILT FENCE WITH BACKUP SUPPORT
STANDARD PLAN I-30.10-02
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
Pasco Bakotich III
STATE DESIGN ENGINEER
DATE: 3/22/13
Washington State Department of Transportation

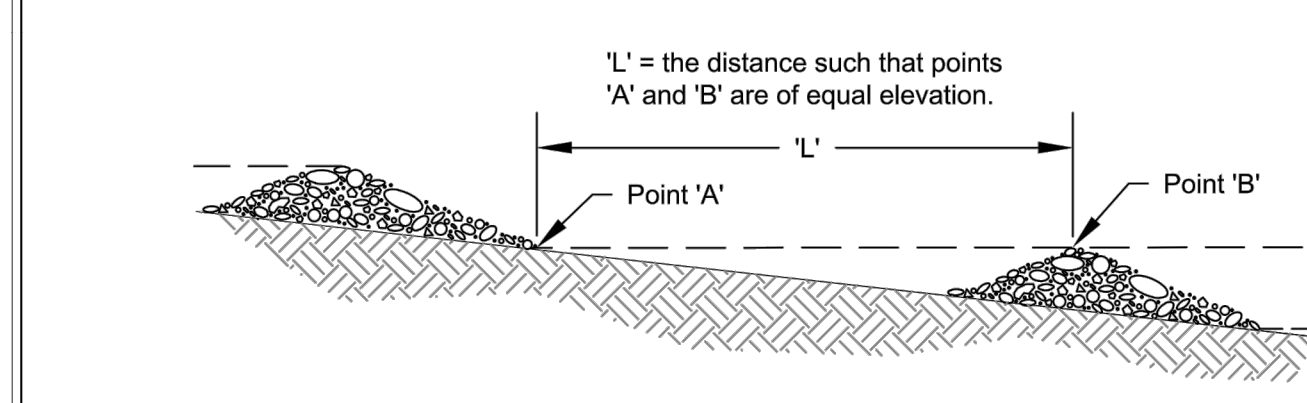
View Looking Upstream



Section A-A



Spacing Between Check Dams



Rock Check Dam
Revised June 2016

DEPARTMENT OF ECOLOGY
State of Washington

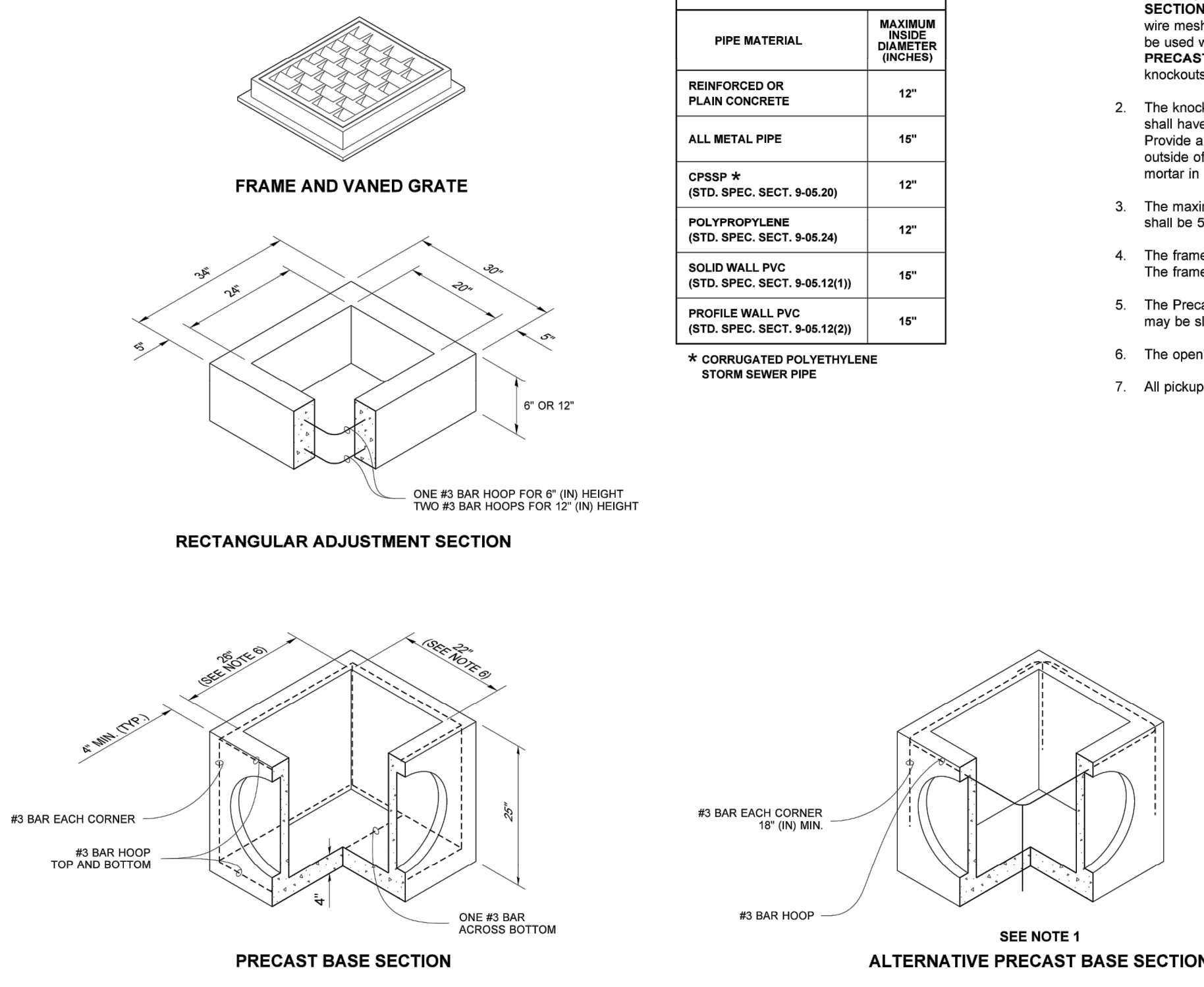
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PIPE ALLOWANCES

PIPE MATERIAL	MAXIMUM INSOLE DIAMETER (INCHES)
REINFORCED OR FLAIN CONCRETE	12"
ALL METAL PIPE	15"
CPSP * (STD. SPEC. SECT. 9-05.20)	12"
POLYPROPYLENE (STD. SPEC. SECT. 9-05.24)	12"
SOLID WALL PVC (STD. SPEC. SECT. 9-05.12(1))	15"
PROFILE WALL PVC (STD. SPEC. SECT. 9-05.12(2))	15"

* CORRUGATED POLYETHYLENE STORM SEWER PIPE

- NOTES**
1. As acceptable alternatives to the rebar shown in the **PRECAST BASE SECTION**, fibers (placed according to the Standard Specifications), or wire mesh having a minimum area of 0.12 square inches per foot shall be used with the minimum required rebar shown in the **ALTERNATIVE PRECAST BASE SECTION**. Wire mesh shall not be placed in the knockouts.
 2. The knockout diameter shall not be greater than 18" (in). Knockouts shall have a wall thickness of 2" (in) minimum to 2.5" (in) maximum. Provide a 1.5" (in) minimum gap between the knockout wall and the outside of the pipe. After the pipe is installed, fill the gap with joint mortar in accordance with **Standard Specification Section 9-04.3**.
 3. The maximum depth from the finished grade to the lowest pipe invert shall be 5' (ft).
 4. The frame and grate may be installed with the flange up or down. The frame may be cast into the adjustment section.
 5. The Precast Base Section may have a rounded floor, and the walls may be sloped at a rate of 1 : 24 or steeper.
 6. The opening shall be measured at the top of the precast base section.
 7. All pickup holes shall be grouted full after the inlet has been placed.



STATE OF WASHINGTON REGISTERED PROFESSIONAL ENGINEER
Jodie Hillman
CERTIFICATE NO. 002060

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CONCRETE INLET
STANDARD PLAN B-25.60-02
SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION
DATE: 03/22/13 12:51 PM
STATE DESIGN ENGINEER
Washington State Department of Transportation

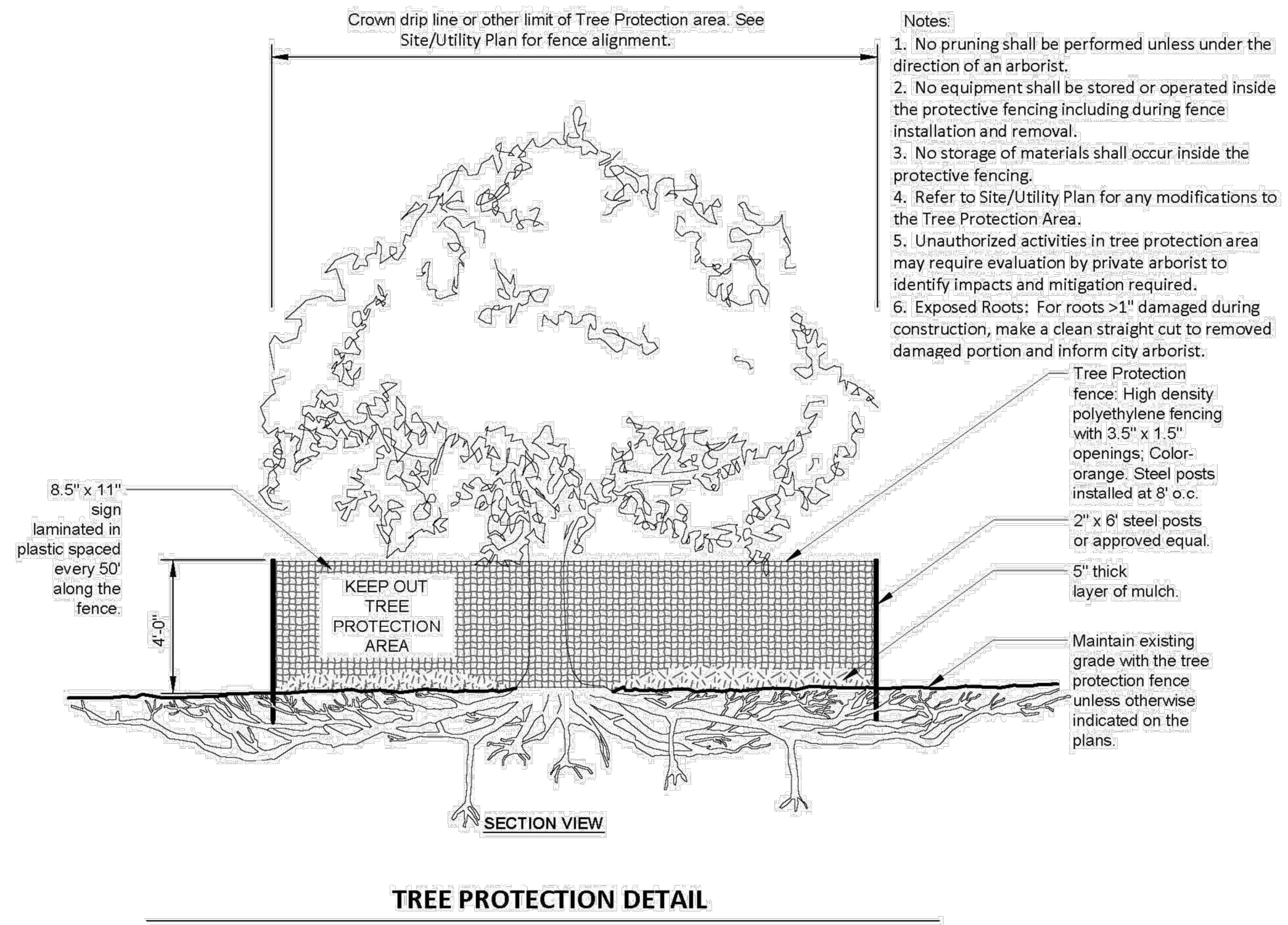
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TESC DETAILS



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DESIGNED BY: MA
CHECKED BY: JA

PACE PROJECT NO. 21436.00

SHEET **C2.1**

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UNDERGROUND SERVICE (USA)

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PLOT TIME: 9/19/2022 3:49 PM
USER NAME: JVA
PLOTTER: HP
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DATE	8/19/22
REVISION	
SYN	
RESPONSE TO COMMENTS DATED	7/21/22

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STORM & GRADING PLAN

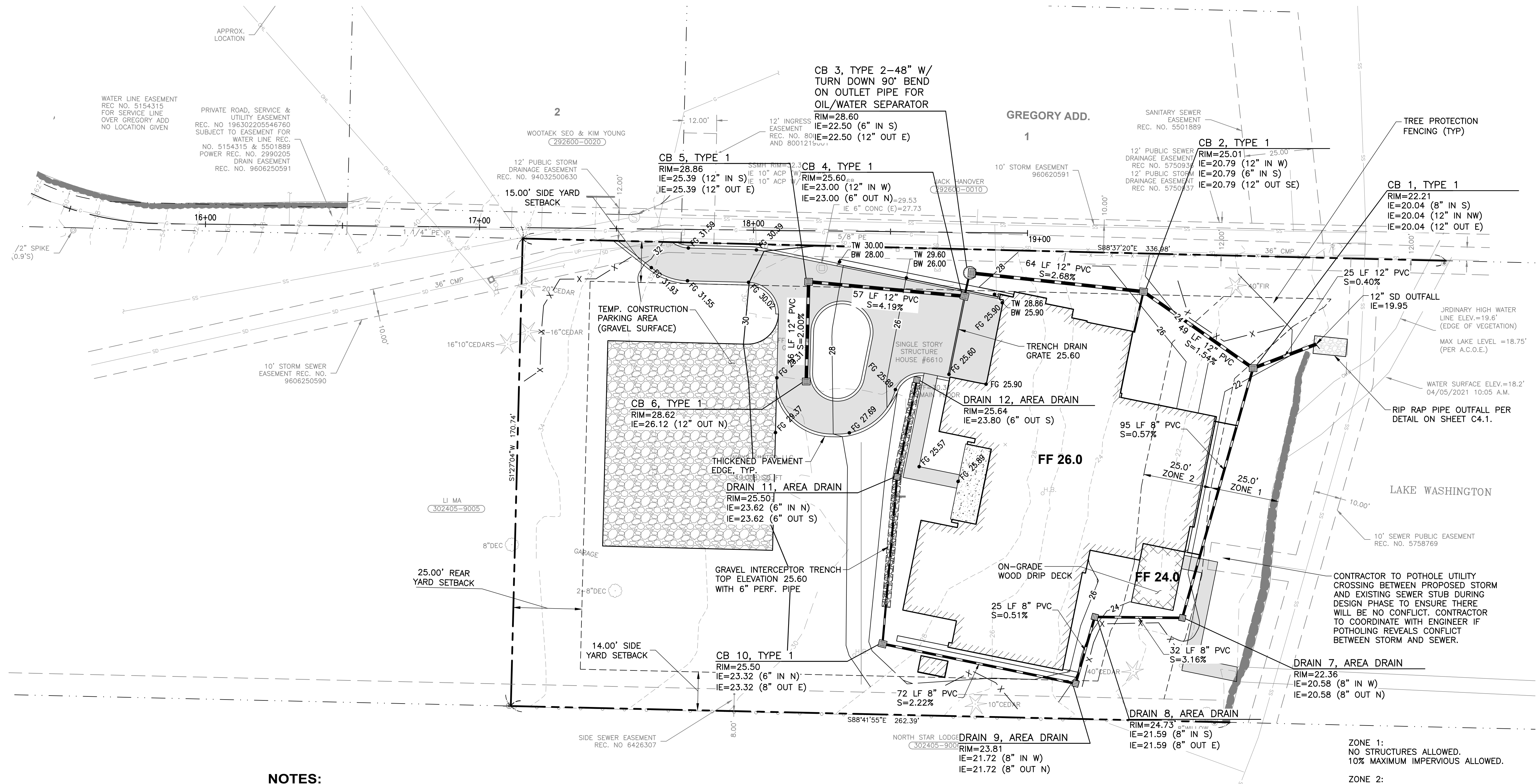
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SCALE:	DATE:
AS SHOWN	05/11/22

DESIGNED BY: MA
CHECKED BY: JA

PACE PROJECT NO. 21436.00

SHEET C3.0



NOTES:

THE LAWN AND LANDSCAPE AREAS ARE REQUIRED TO PROVIDE POST-CONSTRUCTION SOIL QUALITY AND DEPTH IN ACCORDANCE WITH BMP T5.13. THE PROJECT CIVIL ENGINEER MUST PROVIDE A LETTER OF CERTIFICATION TO ENSURE THAT THE LAWN AND LANDSCAPE AREAS ARE MEETING THE POST-CONSTRUCTION SOIL QUALITY AND DEPTH REQUIREMENTS SPECIFIED ON THE APPROVED PLAN SET PRIOR TO FINAL INSPECTION OF THE PROJECT.

DESIGN GUIDELINES
L SOIL RETENTION. RETAIN IN AN UNDISTURBED STATE, THE DUFF LAYER AND NATIVE TOPSOIL TO THE MAXIMUM EXTENT PRACTICABLE. IN ANY AREAS REQUIRING GRADING REMOVE AND STOCKPILE THE DUFF LAYER AND TOPSOIL ON SITE IN A DESIGNATED, CONTROLLED AREA, NOT ADJACENT TO PUBLIC RESOURCES AND CRITICAL AREAS, TO BE REAPPLIED TO OTHER PORTIONS OF THE SITE WHERE FEASIBLE.
L SOIL QUALITY. ALL AREAS SUBJECT TO CLEARING AND GRADING THAT HAVE NOT BEEN COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT PROJECT COMPLETION, DEMONSTRATE THE FOLLOWING:
1. A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF 10% DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT IN TURF AREAS, AND A PH FROM 6.0 2014 STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON VOLUME V - CHAPTER 5 - PAGE 911 TO 8.0 OR MATCHING THE PH OF THE UNDISTURBED SOIL. THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NEEDED TO MEET THE CRITERIA. SUBSOILS BELOW THE TOPSOIL

LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE.
2. MULCH PLANTING BEDS WITH 2 INCHES OF ORGANIC MATERIAL
3. USE COMPOST AND OTHER MATERIALS THAT MEET THESE ORGANIC CONTENT REQUIREMENTS:
a. THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST MEETING THE COMPOST SPECIFICATION FOR BMP T7.30: BIORETENTION CELLS, SWALES, AND PLANTER BOXES (P.959), WITH THE EXCEPTION THAT THE COMPOST MAY HAVE UP TO 35% BIOSOLIDS OR MANURE. THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER CONTENT OF 40% TO 65%, AND A CARBON TO NITROGEN RATIO BELOW 25:1. THE CARBON TO NITROGEN RATIO MAY BE AS HIGH AS 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.
c. CALCULATED AMENDMENT RATES MAY BE MET THROUGH USE OF COMPOSTED MATERIAL MEETING (A.) ABOVE; OR OTHER ORGANIC MATERIALS AMENDED TO MEET THE CARBON TO NITROGEN RATIO REQUIREMENTS, AND NOT EXCEEDING THE CONTAMINANT LIMITS IDENTIFIED IN TABLE 220-B, TESTING PARAMETERS, IN WAC 173-350-220. THE RESULTING SOIL SHOULD BE CONDUCIVE TO THE TYPE OF VEGETATION TO BE ESTABLISHED.
L IMPLEMENTATION OPTIONS: THE SOIL QUALITY DESIGN GUIDELINES LISTED ABOVE CAN BE MET BY USING ONE OF THE METHODS LISTED BELOW:
1. LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION.
2. AMEND EXISTING SITE TOPSOIL OR SUBSOIL EITHER AT DEFAULT "PRE-APPROVED" RATES, OR AT CUSTOM CALCULATED RATES BASED ON TESTS OF THE SOIL AND AMENDMENT.
3. STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT

PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST ALSO BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER OR DEPTH REQUIREMENTS, EITHER AT A DEFAULT "PRE-APPROVED" RATE OR AT A CUSTOM CALCULATED RATE.
4. IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE REQUIREMENTS. 2014 STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON VOLUME V - CHAPTER 5 - PAGE 912. MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED,
5. DOES NOT NEED TO BE AMENDED.

ZONE 1:
NO STRUCTURES ALLOWED.
10% MAXIMUM IMPERVIOUS ALLOWED.

ZONE 2:
STRUCTURES ALLOWED.
30% MAXIMUM IMPERVIOUS ALLOWED

LEGEND

SD	STORM DRAIN (<6")
RD	ROOF DRAIN
UD	UNDER DRAIN
SD	EX. STORM DRAIN
SS	SANITARY SEWER
SS	EX. SANITARY SEWER
W	WATER LINE
W	EXISTING WATER LINE

EXISTING	PROPOSED	
○	●	AREA DRAINS PER CONCRETE INLET DETAIL ON SHEET C2.1
□	■	CB TYPE 1
○	●	SS CLEANOUT
○	●	SSMH 48"
○	●	WATER METER
○	●	2 NOZZLE FIRE HYDRANT/FDC
○	●	3 NOZZLE FIRE HYDRANT
○	●	H.B. HOSE BIB

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HORIZ. 0 10 20 40
Scale In Feet

N

FILE NAME: P:\21436_KONERU_BUILDING\DWG\21436_SFR_SHEET_C3.DWG
USER: JVA
DATE: 5/11/22 3:49 PM
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- 1- 6 X 6 TEE (MxFL) CUT IN
- 1- GATE VALVE (FL)
- 1- 90° BEND (FL)
- 1- 6" ADAPTER (FLxMJ)
- 2- CONC. BLOCKS

CONNECT NEW DOMESTIC WATER METER TO EXISTING 6" MAIN USING 2" SERVICE TAP PER W-14.

CITY OF MERCER ISLAND HAS OWNERSHIP FROM THE CITY WATER MAIN TO THIS GATE VALVE. THE PROPERTY 6610 E MERCER WAY HAS OWNERSHIP FROM THE DOWNSTREAM OF THE GATE VALVE TO THE END OF THE PRIVATE FIRE HYDRANT. THE DOUBLE CHECK VAULT IS OWNED BY THE PRIVATE PROPERTY OWNER OF 6610 E MERCER WAY.

FIRE HYDRANT SUPPLY LINE 1-6" BACKFLOW DEVICE PER DETAIL W-19A LOCATED WITHIN EXISTING EASEMENT. VAULT TO HAVE A NON-SLIP TRAFFIC BEARING ACCESS HATCH NOTE: CONTRACTOR TO PROVIDE SHOP DRAWINGS TO CITY FOR PLAN APPROVAL. FIRE SYSTEM DESIGN SHALL BE REVIEWED UNDER A SEPARATE PERMIT.

ONE 1" WATER SERVICE PER DETAIL W-13 ON SHEET C4.1. ONE WATER METER WILL BE INSTALLED UNDER THIS PERMIT. HOMES REQUIRE FIRE SUPPRESSION SYSTEMS, VERIFY SIZE OF WATER METER AND SERVICE LINE WITH FIRE SYSTEM DESIGNER PRIOR TO CONSTRUCTION.

INSTALL ONE 2" HDPE WATER SERVICE LINE AND 6" PRIVATE WATER LINE IN COMMON UTILITY TRENCH. FIELD LOCATE TRENCH IN PAVEMENT PRISM TO MINIMIZE ADJACENT TREE IMPACTS ALONG DRIVE LANE. RESTORE EXISTING PAVEMENT TO EQUAL OR BETTER CONDITION.

DEFLECT WATER LINE AT JOINT TO ACHIEVE LINE AND GRADE (MAX DEFLECTION 4 DEGREES). TYP.

NOTES:

- UTILITY MAINTENANCE: EACH PROPERTY OWNER SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE SANITARY SEWER, STORM WATER STUB, RAIN GARDEN, PERMEABLE PAVEMENT, OR ANY INFILTRATION FACILITIES (KNOWN AS LOW IMPACT DEVELOPMENT) FROM THE POINT OF USE ON THEIR OWN PROPERTY TO THE POINT OF CONNECTION IN THE CITY SANITARY SEWER MAIN OR STORM WATER MAIN. ANY PORTION OF A SANITARY SEWER, SURFACE WATER STUB, RAIN GARDEN, PERMEABLE PAVEMENT, OR ANY INFILTRATION FACILITIES, WHICH JOINTLY SERVES MORE THAN ONE PROPERTY, SHALL BE JOINTLY MAINTAINED AND REPAIRED BY THE PROPERTY OWNERS SHARING SUCH STUB. THE JOINT USE AND MAINTENANCE SHALL "RUN WITH THE LAND" AND WILL BE BINDING ON ALL PROPERTY OWNERS WITHIN THIS SUBDIVISION, INCLUDING THEIR HEIRS, SUCCESSORS AND ASSIGNS.
- ALL BUILDINGS ARE SUBJECT TO MEETING THE CURRENT FIRE CODE REQUIREMENTS AT THE TIME OF PERMIT SUBMITTAL. ACCESS SHALL BE PROVIDED AS OUTLINED IN THE INTERNATIONAL FIRE CODE APPENDIX D AS ADOPTED AND/OR AMENDED AND MICC 19.09.40. FIRE PLAN REVIEWS WILL BE CONDUCTED AT THE TIME OF BUILDING PERMIT SUBMITTAL AND MAY REQUIRE ADDITIONAL FIRE PROTECTION SYSTEMS AND/OR FIRE PREVENTION MEASURES FOR PERMIT APPROVAL.
- ALL NEW CONSTRUCTION AND ALTERATIONS OVER 50% VALUATION ARE REQUIRED TO INSTALL A MINIMUM OF NFPA 13D FIRE SPRINKLER SYSTEM.
- DECREASED FIRE FLOW, ACCESS, GRADE, OR BUILDING SIZE MAY REQUIRE THE INSTALLATION OF A NFPA 13R OR 13 SPRINKLER SYSTEM.
- REMOVE EXISTING WATER METER LOCATED AT 6466 E. MERCER WAY PER CITY OF MERCER ISLAND REQUIREMENTS.
- ALL WATER INFRASTRUCTURE TO BE INSTALLED PER CITY OF MERCER ISLAND STANDARD WATER DETAILS. APPLICABLE DETAILS INCLUDED ON SHEET C4.1.
- TV INSPECTION OF EXISTING SIDE SEWER TO THE CITY SEWER MAIN IS REQUIRED PRIOR TO ANY WORK RELATED TO THE SIDE SEWER. IF THE RESULT OF THE TV INSPECTION IS NOT IN SATISFACTORY CONDITION, AS DETERMINED BY THE CITY OF MERCER ISLAND INSPECTOR, THE REPLACEMENT OF THE EXISTING SIDE SEWER IS REQUIRED.

DATE	8/19/22
REVISION	RESPONSE TO COMMENTS DATED 7/21/22
SYM	

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STATE OF WASHINGTON
REGISTERED PROFESSIONAL ENGINEER

DHEERAJ KONERU
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MERCER ISLAND, WA 98040

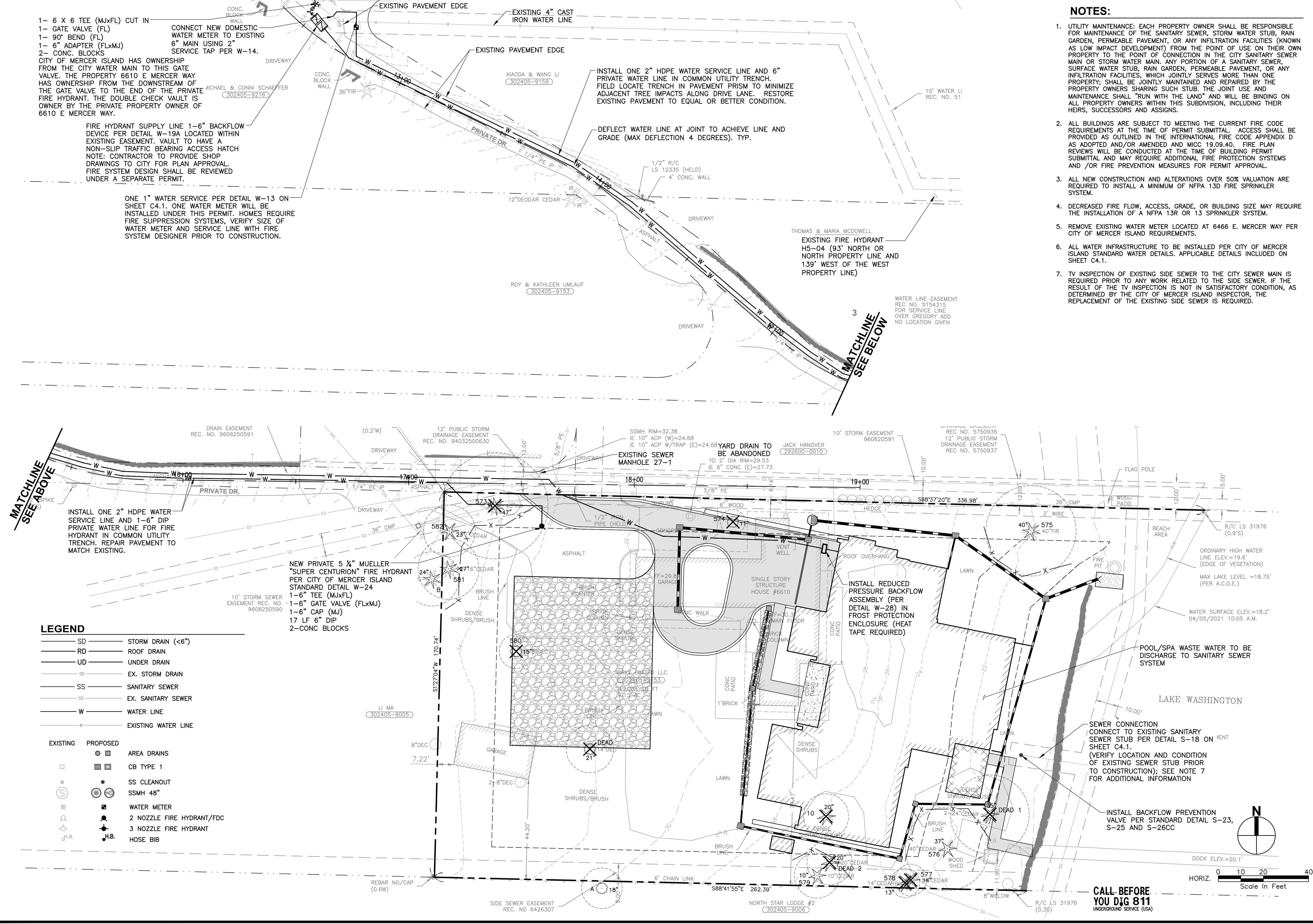
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MERCER ISLAND, WA 98040

UTILITY PLAN

VERIFY SCALE
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SCALE: AS SHOWN DATE: 05/11/22
DESIGNED BY: MA CHECKED BY: JA
PACE PROJECT NO. 21436.00

SHEET C4.0



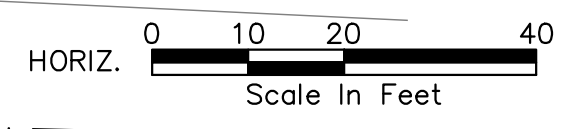
LEGEND

SD	STORM DRAIN (<6")
RD	ROOF DRAIN
UD	UNDER DRAIN
SD	EX. STORM DRAIN
SS	SANITARY SEWER
SS	EX. SANITARY SEWER
W	WATER LINE
W	EXISTING WATER LINE

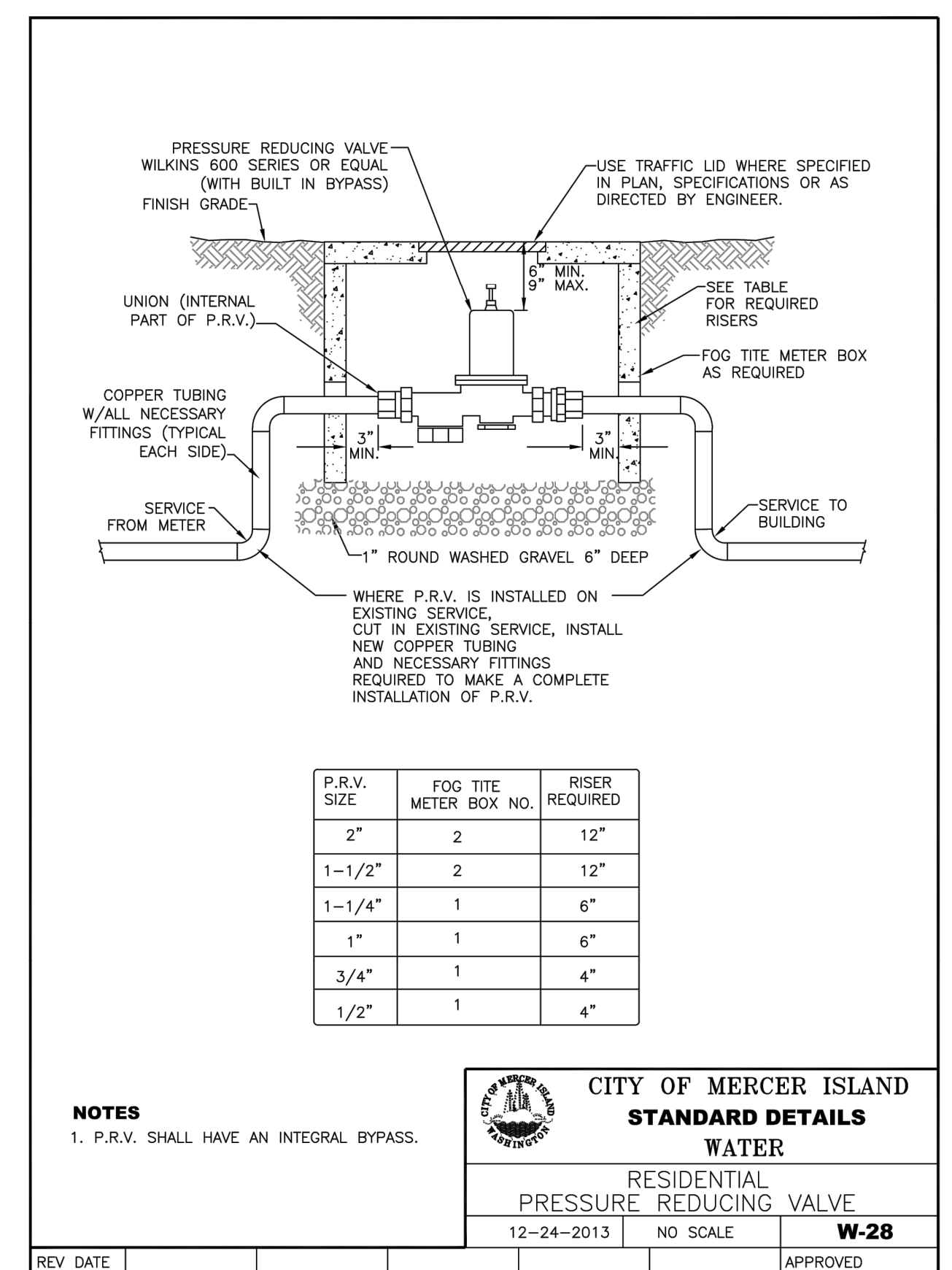
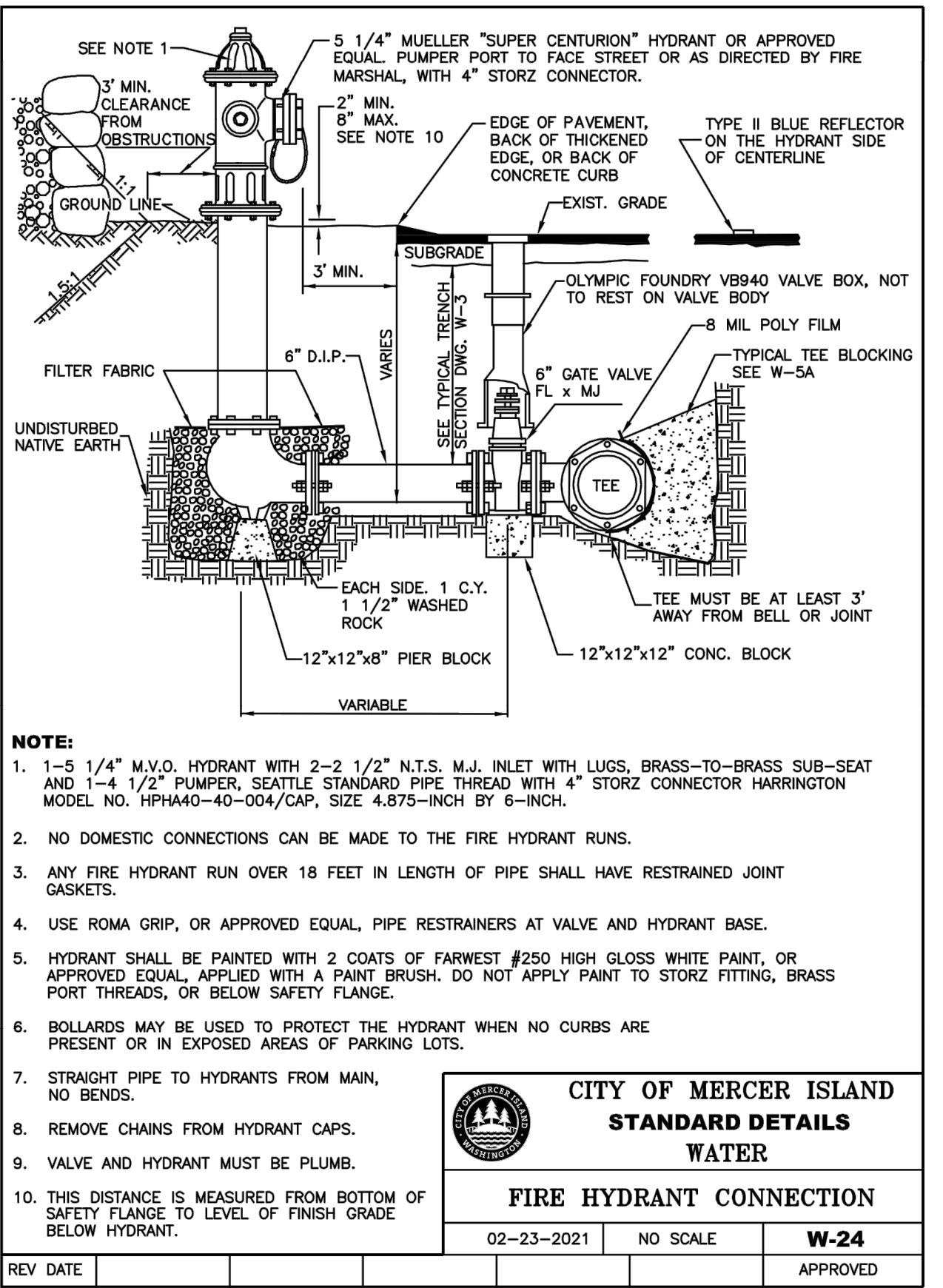
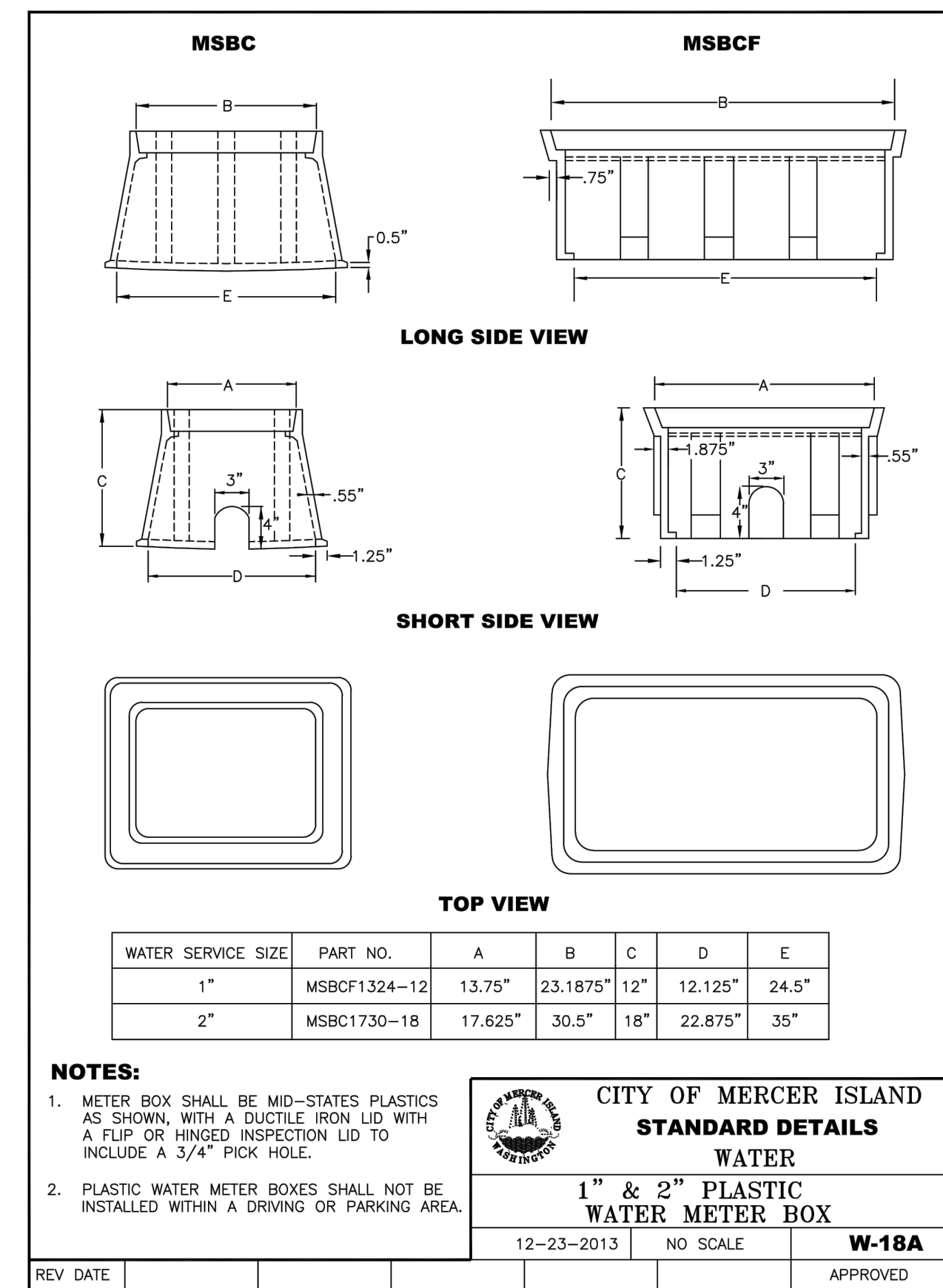
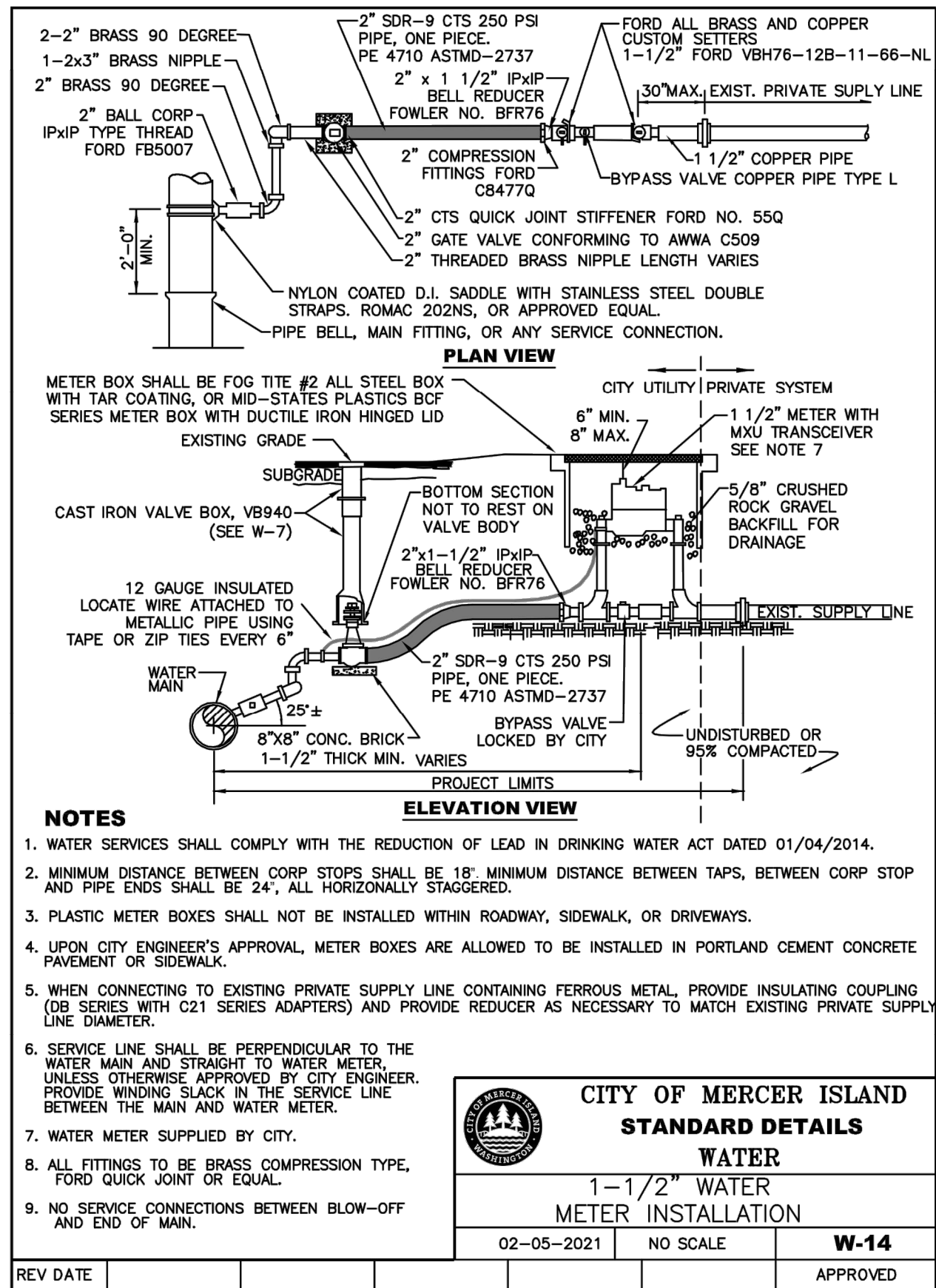
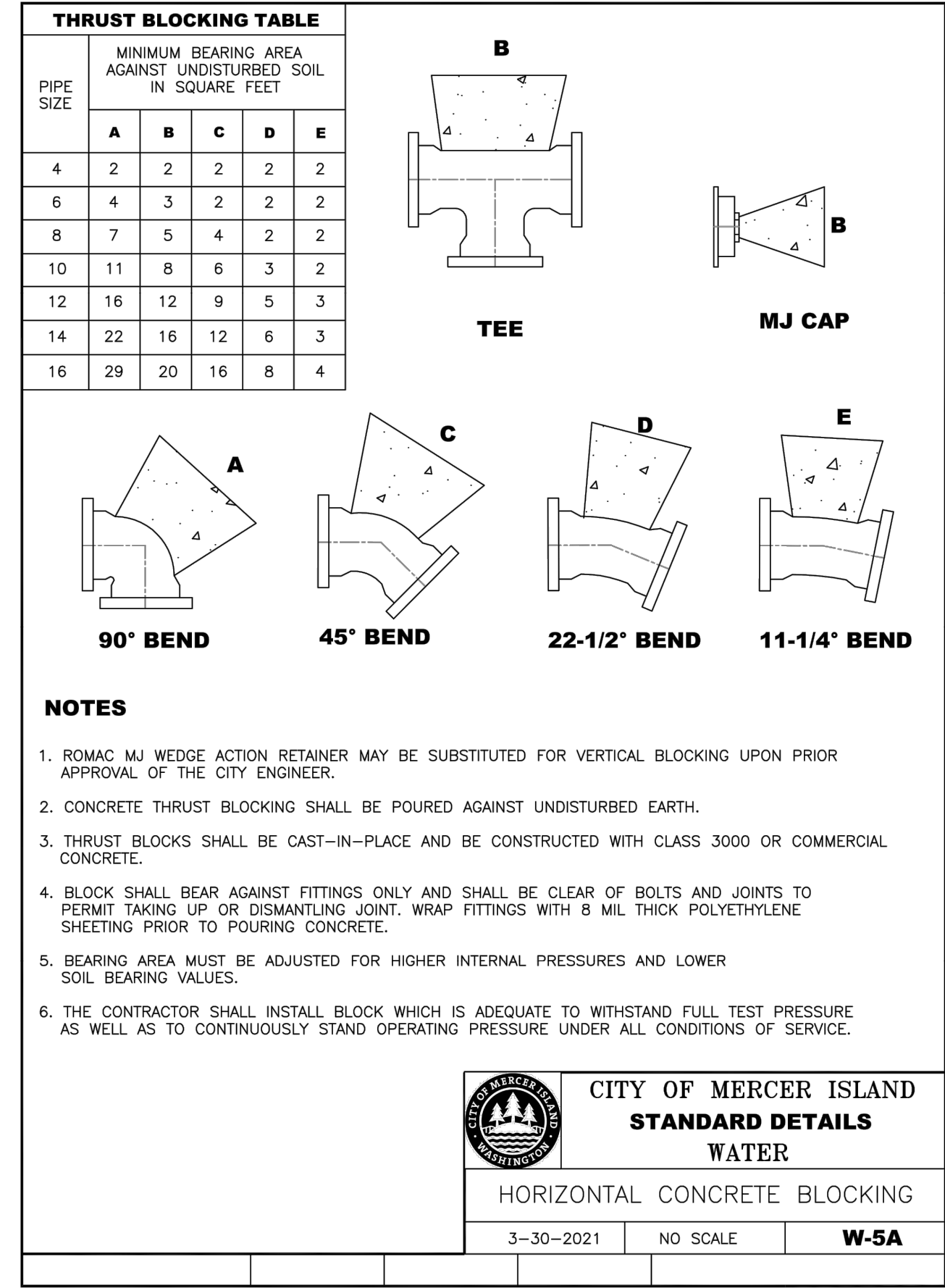
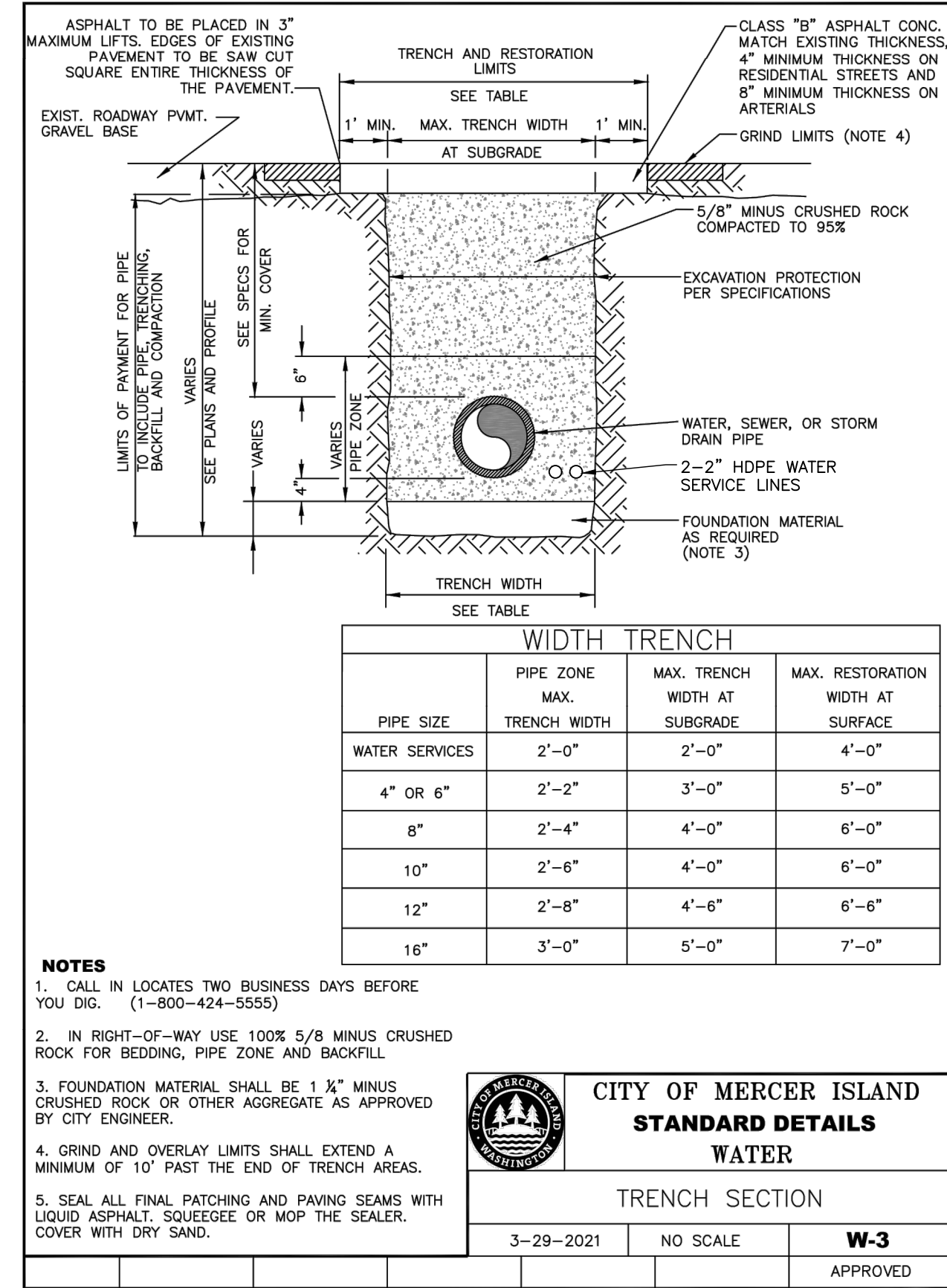
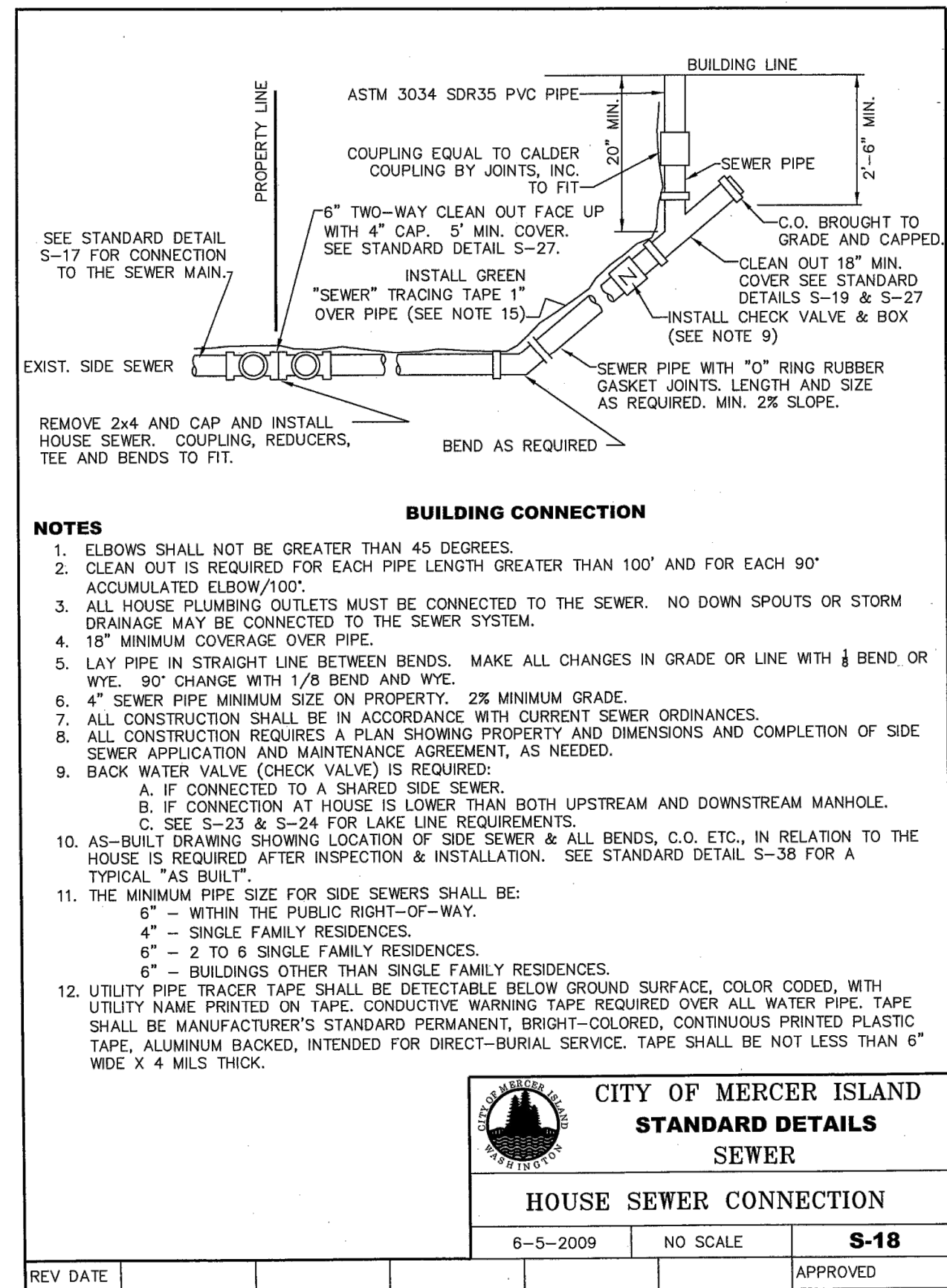
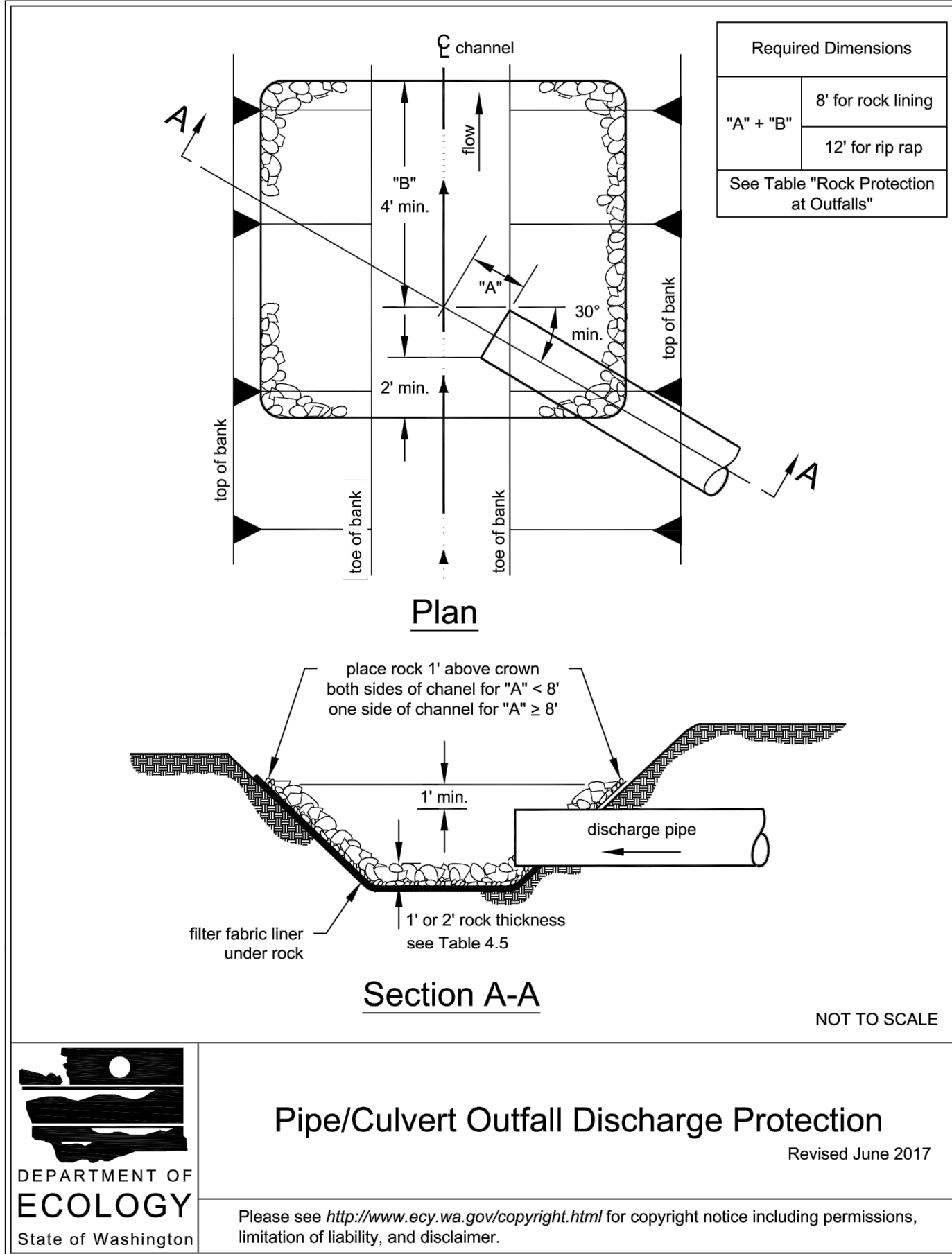
EXISTING	PROPOSED	
○	■	AREA DRAINS
□	■	CB TYPE 1
○	○	SS CLEANOUT
○	○	SSMH 48"
○	○	WATER METER
○	○	2 NOZZLE FIRE HYDRANT/FDC
○	○	3 NOZZLE FIRE HYDRANT
○	○	HOSE BIB

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HORIZ. 0 10 20 40
Scale In Feet



FILE NAME: P:\21436_KONERU\RESIDENCE\CAD\ENGINEERING\DWG\PERMIT\21436_UF-SFD.DWG
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8/19/22 DATE

7/21/22 REVISION

SYM

RESPONSE TO COMMENTS DATED 7/21/22

PACE
An Engineering Services Company
11255 Kirkland Way, Suite 300
Kirkland, WA 98033
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OHIO B. ANDERSON
STATE OF WASHINGTON
REGISTERED
PROFESSIONAL ENGINEER

DHEERAJ KONERU
7002 93RD AVENUE SE
MERCER ISLAND, WA 98040

KONERU BUILDING PERMIT
6610 EAST MERCER WAY
MERCER ISLAND, WA 98040

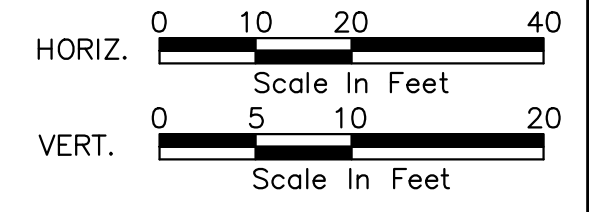
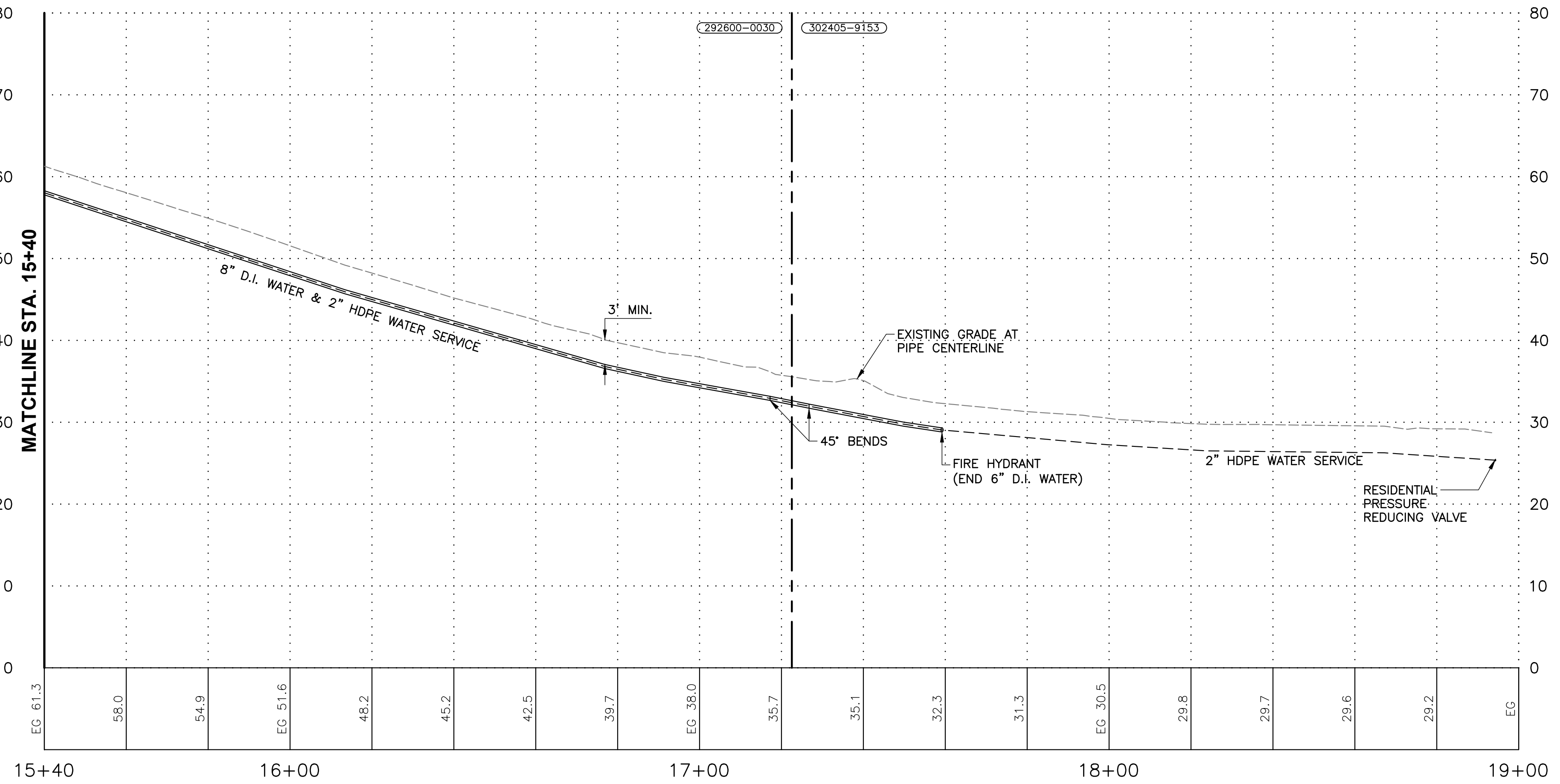
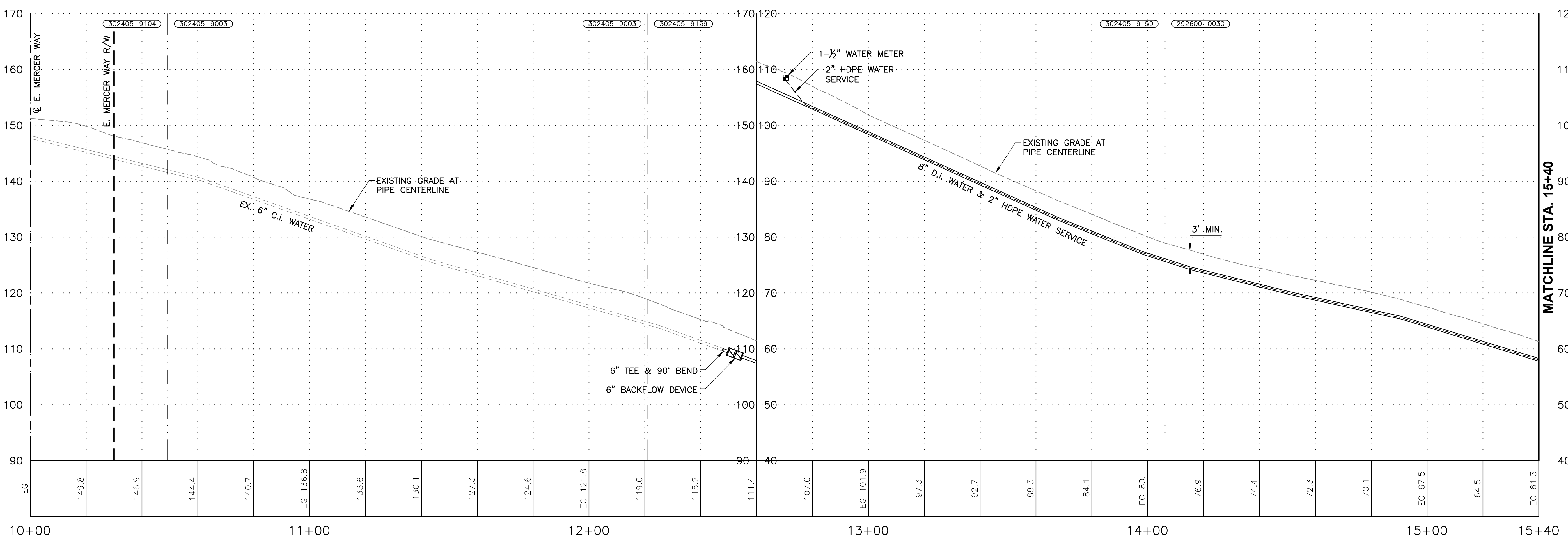
UTILITY DETAILS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
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SCALE: AS SHOWN DATE: 05/11/22
DESIGNED BY: MA CHECKED BY: JA
PACE PROJECT NO. 21436.00

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SHEET C4.1

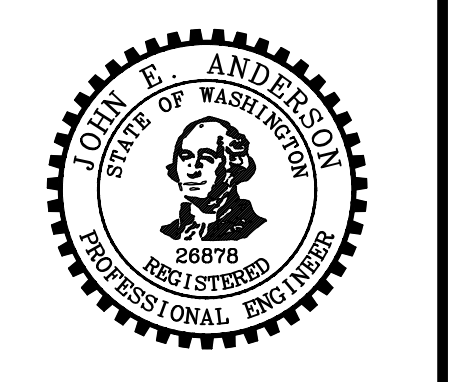
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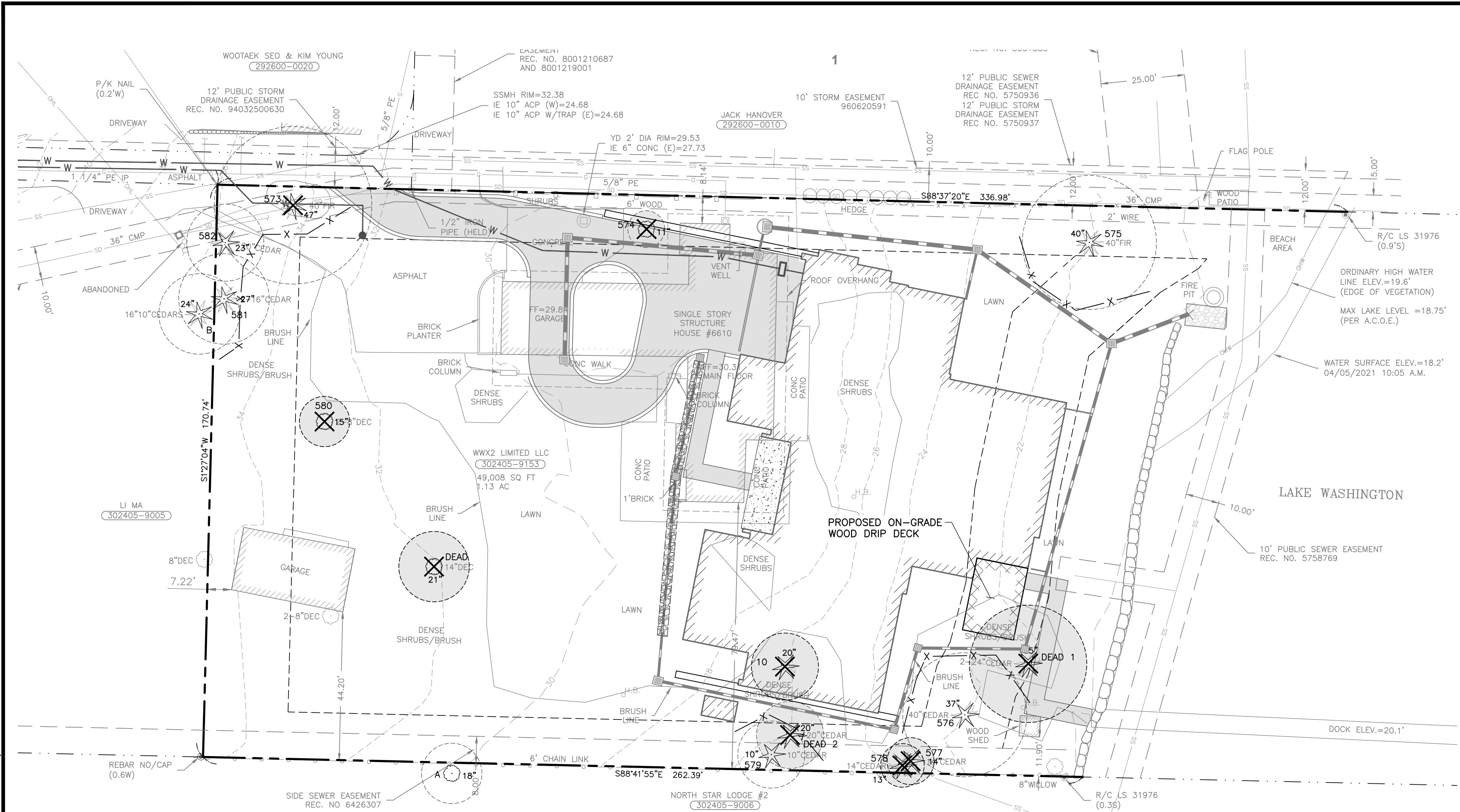
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 MERCER ISLAND, WA 98040

UTILITY DETAILS

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SCALE: AS SHOWN DATE: 05/11/22
 DESIGNED BY: MA CHECKED BY: JA
 PACE PROJECT NO. 21436.00

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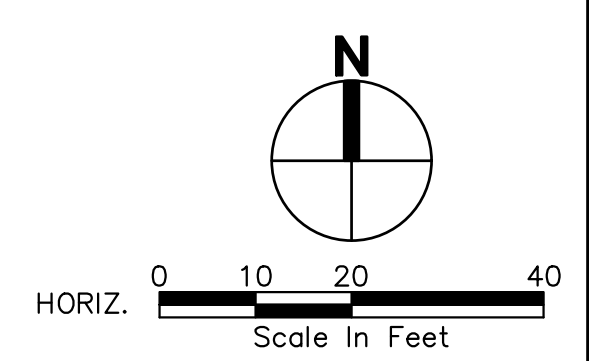


LEGEND

- 888 VIABLE TREE TO REMAIN
- 889 VIABLE TREE TO BE REMOVED DUE TO PROJECT OR NOT-SUITABLE TO MAINTAIN
- CONIFEROUS
- DECIDUOUS TREE
- DRIP LINE PER TABLE
- TREE PROTECTION
- A-C TREES LOCATED OFF SITE

TREE INVENTORY

Tree ID	Scientific Name	Common Name	DSH (inches)	DSH Multistem	Health Condition	Structural Condition	Dripline Radius (feet)				Exceptional Threshold	Exceptional	24-inch DSH or Greater	MLOD (feet)	RLOD (feet)	Proposed Action	Notes	
							N	E	S	W								
573	<i>Pseudotsuga menziesii</i>	Douglas-fir	47.0		Good	Good	24.0	24.5	22.5	28.5	30.0	Exceptional - Size	-	Yes	20	47	Remove	Pavement on all sides, center of drive, crown raised, end weight reduction pruning on north side, water main bored beneath tree
574	<i>Comus florida</i>	Eastern Dogwood	10.7	8,8,6,1	Good	Good	6.4	8.9	11.9	12.9	12.0	-	-	6	10	Remove	Hollow tree, very old specimen	
575	<i>Pseudotsuga menziesii</i>	Douglas-fir	39.5		Good	Good	21.6	19.6	23.6	25.6	30.0	Exceptional - Size	-	Yes	16	40	Retain	Top blown out repeatedly, storm damaged limbs, excellent health, soil saturated, gnarled trunk
576	<i>Thuja plicata</i>	Western Redcedar	37.0		Fair	Good	18.5	20.5	18.5	19.5	30.0	Exceptional - Size	-	Yes	15	37	Retain	Thin canopy, drought stress
577	<i>Thuja plicata</i>	Western Redcedar	14.0		Fair	Good	11.6	10.6	10.6	4.6	30.0	-	-	6	14	Remove		
578	<i>Thuja plicata</i>	Western Redcedar	13.0		Fair	Good	4.5	11.5	10.5	11.5	30.0	-	-	6	13	Remove		
579	<i>Thuja plicata</i>	Western Redcedar	10.0		Fair	Good	8.4	8.4	8.4	8.4	30.0	-	-	6	10	Retain		
580	<i>Magnolia x soulangiana</i>	Saucer magnolia	15.0	9,12	Good	Fair	23.6	20.6	15.1	9.6	-	-	-	6	15	Remove	Phototropic sprouting, failed tree on too	
581	<i>Thuja plicata</i>	Western Redcedar	27.0		Good	Good	21.1	23.1	19.1	5.1	30.0	-	Yes	11	27	Retain	Codominant at 6' with narrow union	
582	<i>Thuja plicata</i>	Western Redcedar	23.0		Good	Good	22.0	21.0	11.0	19.0	30.0	-	-	10	23	Retain		
Dead 1	<i>Thuja plicata</i>	Western Redcedar	34.8	27,14,17	N/A	N/A	16.5	23.0	21.5	22.5	30.0	Exceptional - Size	Yes	15	N/A	Reduce to wildlife snag	Dead tree, clear signs of purposeful girdling, codominant at base, good candidate for wildlife snag	
Dead 2	<i>Thuja plicata</i>	Western Redcedar	20.0		N/A	N/A	16.8	19.8	18.8	18.8	30.0	-	-	8	N/A	Remove	Dead tree, clear signs of purposeful girdling, funnel sticking out of tree, likely for herbicide application	
A	<i>Fraxinus pennsylvanica</i>	Green Ash	18.0		Good	Good	30.8	30.8	30.8	30.8	30.0	-	-	8	18	Retain		
B	<i>Thuja plicata</i>	Western Redcedar	23.7	11,21	Good	Good	15.0	13.0	19.0	21.0	30.0	-	-	10	24	Retain	Codominant with narrow union, part of grove with tree 582 and 581	



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KONERU BUILDING PERMIT 6610 EAST MERCER WAY MERCER ISLAND, WA 98040	TREE RETENTION PLAN
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	
DESIGNED BY: MA PACE PROJECT NO. 211436.00	DATE: 05/11/22 CHECKED BY: JA
SHEET L1.0	

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REVISION	DATE
	8/19/22