

Street & Utility Development Permit Application

MIP No.	SDP No.		BLD No.	
Applicant:		Phone:		
Mailing Address:				
City, State, Zip:		E-mail:		
Property Owner's Name(s):		Phone:		
Mailing Address:				
City, State, Zip:		E-mail:		
Authorized Representative:		Phone:		
Address:		E-mail:		
Property Site Street (and address if a	assigned:)			
Zoning District:	I	Parcel #:		
Legal Description: Addition:	E	Block:	Lot(s):	
Contractor Business Name				
Contractor Business Name:				_
Mailing Address:		0 11 51		
Phone:		Cell Phone:		
	xpiration:	City Business	License #:	Expiration:
Estimated value of utility and/or stre	et construction: \$			
Describe work to be conducted und	er this permit and purpo	ose:		
Describe any related work on private p	property such as landscap	oing, clearing, g	rading:	
How many acre(s) will be disturbed?		Where will the	e overflow discharge?	
Is Latecomer Proposed?		For what Utilit	y?	
Will trees or vegetation be removed in	the right-of-way? ☐ Ye	s □ No If	yes, Describe & show o	n site plan.
What is the amount of impervious surfa	ace on the property?	sq. ft	. &% of the pr	operty.
I hereby certify that the information provide all the activities associated with this permit	will be in accordance with S	State Laws and th		
Signature of Owner or Authorized Represe	entative: Amy Math	ler		
Print Name:	U		Date:	



Street & Utility Development Permit Application Infrastructure

The application is *not* complete without all the information on this checklist (All items *must* be checked or if not applicable, marked "N/A")

Compl	ete Street and Utility Development Permit Application
Constr	ruction Cost Estimate
Vicinit	у Мар
Two co	opies of a legible site plan no greater than 11"x17" showing:
	Edge of street travel way
	Driveway from edge of travel way (dimensions & type of surface material)
	All trees/vegetation proposed for removal within the right-of-way
	All trees/vegetation proposed for planting within the right-of-way
	Existing or proposed easements
	Adjoining street names
	All lot lines, block number and lot numbers
	Lot dimensions
	Outside dimensions of all buildings, including eaves
	Area and percentage of on-site impervious surfaces (existing and proposed)
	Location and details of all on-site stormwater facilities (e.g., size of raingarden,
	dry-well, curtain drain, etc.) including percolation test results and
	direction of overflow
	Existing or proposed water and sewer mains
	Proposed connections to existing and/or proposed sewer and water mains
	North Arrow
	Show Temporary Erosion and Sediment Control Best Management Practices (BMPs)
	Show or indicate permanent stabilization methods, including but not limited to
	restoration of roadside ditches
	Area (acres or square feet) and volume (cubic yards) of cut and fill
	Slopes/Contours (existing and proposed)
_	
A PUD	No.1 of Jefferson County approved power plan.
	nding water or sewer mains or constructing a new street, 3 Size D (22"x 34") sets
•	ns prepared by a licensed civil engineer must be submitted with this application.
See ED	OS, Chapter 1- Appendix, Exhibit 1 for a complete Plan Review Checklist.
Did +h	e applicant complete a Technical Conference in the prior 12 months? If yes, in the
	f Type 1 permits in Tier 1, the fee for the technical conference can be credited to
this pe	
tins pe	

1. GENERAL NOTES:

- SEISMIC DESIGN CATEGORY D WIND EXPOSURE AND SPEED 91 MPH, EXP. D
- SNOW LOAD @ 25 PSF FLOOR LIVE LOAD 40 PSF
- COMMON AREA LIVE LOAD 100 PSF SOIL BEARING PRESSURE 2000 PSF

A. FOOTING: SHOWN AS MINIMUM ON DRAWING AND TO BE POURED ON CENTER OF WALL DIMENSIONS:

- FOOTINGS ARE TO BE POURED ON UNDISTURBED OR PROPERLY COMPACTED SOIL A 4" PERF. DRAIN PIPE IS TO BE LAID AROUND PERIMETER
- OF FOOTING AND OVERLAID W/ 1/2" 2" DRAIN ROCK. FOUNDATION WALLS: TO BE BUILT TO SIZE SPECIFIED ON DRAWINGS AND THICKNESS SPECIFIED IS MINIMUM REQUIREMENTS
- PLACED IN ACCORDANCE W/ FOUNDATION PLAN. REINFORCEMENT STEEL: TO BE AS SPECIFIED THICKNESS CALLED OUT ON DRAWINGS AND TO BE DETAILED AND PLACED IN ACCORDANCE W/ BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE AND TO BE DEFORMED STEEL BARS CONFORMING TO ASTM A615, GRADE 60. LONGITUDINAL REINFORCING STEEL SHALL CONFORM TO
- STRUCTURAL CONCRETE SHALL CONFORM TO THE DURABILITY REQUIREMENTS OF ACI 318.
- FOR GROUP R-2 AND R-3 OCCUPANCIES NO MORE THAN THREE STORIES ABOVE GRADE PLANE, THE SPECIFIED COMPRESSIVE STRENGTH FOR CONCRETE IN BASEMENT WALLS, FOUNDATION WALLS, EXTERIOR WALLS, AND OTHER VERTICAL SURFACES EXPOSED TO THE WEATHER SHALL BE NOT LESS THAN 3,000 PSI.

- A. FLOOR: TO BE FRAMED IN ACCORDANCE W/ SPECIFICATIONS OF DRAWINGS AND TO ACCOUNT FOR ALLOWABLE FLOOR LOAD
 - ALL STRUCTURAL MEMBERS OF FLOOR TO BE PROPERLY SET AND FASTENED IN ACCORDANCE W/ IBC.
- STRUCTURAL LUMBER TO BE #2 DOUGLAS FIR OR BETTER. IN OTHER THAN DWELLING UNITS - TOILET, BATHING, AND SHOWER ROOM FLOOR FINISH MATERIALS SHALL HAVE A SMOOTH AND NONABSORBENT SURFACE. THE INTERSECTIONS OF SUCH FLOORS WITH WALLS SHALL HAVE A SMOOTH, HARD, NONABSORBENT VERTICAL
- BASE THAT EXTENDS UPWARD ONTO THE WALLS NOT LESS THAN 4 PER IBC 1209.2.1. WALLS: EXTERIOR WOOD FRAMED WALLS TO BE 2X6 DF-L #2 W/ STUDS
- @ 16" O.C. ALL EXTERIOR WALLS SHALL BE SHEATHED W/ 1/2" STRUCTURAL PLYWOOD OR 1/16" OSB. SHEAR WILL BE DETAILED IN PLAN. ALL WINDOW HEADERS AND BEARING WALL BEAMS TO BE 4XI0
- DF-L #2 UNLESS SPECIFIED OTHERWISE ON DRAWINGS. INTERIOR WALLS TO BE 2X4 OR 2X6 CONSTRUCTION @ 16" O.C. STUD HEIGHT TO BE AS NOTED.
- INTERIOR BATHROOM WALLS W/ EXTENSIVE PLUMBING FIXTURES MAY HAVE 2X6 FRAMED WALLS TO PROVIDE CLEARANCE AND COMFORTABLE WORKING SPACE.
- BATHROOM WALLS AND PARTITIONS WITHIN TWO FEET OF SERVICE SINKS, URINALS, AND WATER CLOSETS SHALL HAVE A SMOOTH, HARD NONABSORBENT SURFACE TO A HEIGHT OF NOT LESS THAN 4 FEET ABOVE THE FLOOR, AND EXCEPT FOR STRUCTURAL ELEMENTS, THE MATERIALS USED IN SUCH WALLS SHALL BE OF A TYPE THAT IS NOT
- ADVERSELY AFFECTED BY MOISTURE PER IBC 1209.2.2.. THIS DOES NOT APPLY TO DWELLING UNITS. SHOWER COMPARTMENTS AND WALLS ABOVE BATH TUBS WITH INSTALLED SHOWER HEADS SHALL BE FINISHED WITH A SMOOTH.
- NONABSORBENT SURFACE TO A HEIGHT NOT LESS THAN 12" ABOVE THE DRAIN INLET PER IBC 1209.2.3. C. ROOF: DRAWINGS WILL SPECIFY TRUSSES OR RAFTER CONSTRUCTION
- ENGINEERED TRUSS DETAIL TO BE CHECKED BY GENERAL CONTRACTOR BEFORE INSTALLATION STANDARD SNOW LOAD TO BE VERIFIED PER AUTHORITY HAVING
- JURISDICTION UNLESS SPECIFIED OTHERWISE ON DRAWINGS. ROOF SHEATHING TO BE 1/2" CDX STANDARD, BUT WILL VARY W/ ROOFING PRODUCT USED.

ALL CONNECTORS ARE SPECIFIED AS SIMPSON, EQUIVALENT CONNECTORS TO BE REVIEWED AND APPROVED PRIOR TO

FASTENING SCHEDULE TO BE IN ACCORDANCE W/ IBC TABLE 2304.10.1 E. BEAM BEARING POINTS IN WALLS ALL BM. B.P. IN WALLS MUST HAVE 2X STUDS NAILED TOGETHER

TO A MIN. WIDTH NOT LESS THAN BEAM BEING SUPPORTED.

- 4. ENERGY CODE: COMPLY WITH 2018 WASHINGTON STATE COMMERCIAL ENERGY CODE.
- A. ALL WINDOWS \$ DOORS TO BE SEALED INTO WALL W/ CAULKING \$ WEATHERSTRIPPING
- ALL FRAMING INTERSECTIONS BETWEEN CONDITIONED TO UNCONDITIONED WALLS \$ FOUNDATIONS TO BE CAULKED TO STOP AIR LEAKAGE AND PROVIDE INCREASED EFFICIENCY.
- ALL PENETRATIONS FOR PLUMBING, WIRING, \$ DUCTING TO BE AIR SEALED WITH LEAKAGE ALLOWANCE.

5. INSULATION: (2018 WSEC)

- A. VAULTED \$ FLAT ROOF/CEILING: TO HAVE MINIMUM OF R-49 INSULATION FLOOR: R-30 INSULATION
- WALLS: R-21 INSULATION ALL EXTERIOR WALLS TO HAVE EITHER VAPOR BARRIER. INSTALLED PER MANUFACTURER'S SPECS. WITH WINDOW \$ JOINT TAPE. TYVEK COMMERCIAL
- FENESTRATION: FENESTRATIONS PRODUCTS SHALL BE LABELED WITH RATED U-FACTOR, SHGC, BT, AND LEAKAGE RATING. AFTER SPRINKLERS ARE INSTALLED, INSPECT TO ENSURE ADEQUATE INSULATION IS STILL PROVIDED AROUND PIPES AT EXTERIOR WALLS AND WHERE CLOSE TO THERMAL BRIDGING.

6. FLASHING:

- A. CONTRACTOR TO INSTALL ADEQUATE FLASHING AT ALL WATER INFILTRATION POINTS SUCH AS, BUT NOT LIMITED TO: WINDOWS, DOORS, DECKS, SKYLIGHTS, CHIMNEYS, VENTS, TRIM BOARDS, BALCONIES AND ROOF VALLEYS.
- WATER PROOF DECKS AND BALCONIES TO BE FLASHED PER MFGR SPECS FOR WATER PROOF MEMBRANE(S). ALL CAULKING MUST BE INSPECTED \$ MAINTAINED ANNUALLY BY OWNER
- USING APPROVED EXTERIOR SIDING CAULK CODES: ROOF FLASHING - IBC 1503.2, 1507.2.8 WALL FLASHING- IBC 1404.4

7. FIRE CAULKING: A. JOINTS INSTALLED IN OR BETWEEN FIRE-RESISTANCE-RATED WALLS, FLOOR OR FLOOR/CEILING ASSEMBLIES AND ROOFS OR ROOF/CEILING ASSEMBLIES SHALL BE PROTECTED BY AN APPROVED FIRE-RESISTANT JOINT SYSTEM. DESIGNED TO RESIST THE PASSAGE OF FIRE FOR A TIME PERIOD NOT LESS THAN THE REQUIRED FIRE- RESISTANCE RATING OF THE WALL, FLOOR OR

ROOF IN OR BETWEEN WHICH THE SYSTEM IS INSTALLED. B. FIRE-RESISTANT JOINT SYSTEMS SHALL BE TESTED IN ACCORDANCE WITH ASTM E1966 OR UL 2019.

WSEC CREDITS CREDIT(S) OPTION 1.0 4.0 8 1.0

CREDITS REQ'D: 6.0

DEFERRED SUBMITTALS:

- MANUAL/AUTOMATIC FIRE ALARM SYSTEM
- PRIVATE FIRE SERVICE MAIN
- SPRINKLER DESIGN - CIVIL ENGINEERING
- SIGN PERMIT
- ELECTRICAL AND LIGHTING DESIGN
- PLUMBING DESIGN
- MECHANICAL DESIGN
- ENERGY CODE FORM LIGHTING - ENERGY CODE FORM - MECHANICAL

<u>APPLICABLE BUILDING CODES:</u> 2018 INTERNATIONAL BUILDING CODE 2. BELLINGHAM COMM. ENERGY CODES 3. WASHINGTON STATE AMENDMENTS AND ORDINANCES

BUILDING DATA: SEISMIC ZONE: OCCUPANCY GROUPS: RI CONSTRUCTIONTYPE: VA

LEGAL DESCRIPTION: S 296.50 FT OF THAT PTN OF E 448 FT OF W 640 FT OF S 1/2 NE NE DAF-BEG AT SE COR OF SD E 448 FT THEREOF-TH N @1 DEG 42'49" E 296.52 FT-TH N 81 DEG 34'14" W PAR TO 9 LI OF 9 1/2 NE NE 328.20 FT-TH 9 01 DEG 10'12" W 296.52 FT-TH 9 81 DEG 34'14" E 325.39 FT

- ENERGY:
 ANY MODIFICATIONS TO THE PROJECT WILL MEET THE PRESCRIPTIVE REQUIREMENTS OF THE WASHINGTON STATE COMMERCIAL ENERGY CODE, WITH THE FOLLOWING CONSTRUCTION:
- ROOF INSULATION = R-49 MIN. AT ATTIC; R-38 MIN. AT SLOPED 2. WALL INSULATION = R-21 MIN.
- FLOOR INSULATION = R-30 MIN. 4. ALL NON METAL GLAZING = 0.26 MAX. U-VALUE AT FIXED, 0.28 U-VALUE FOR OPERABLE; METAL GLAZING= 0.34 MAX. U-VALUE.

PROVIDE VENTILATION SYSTEM CONNECTING ALL TOILET ROOMS \$ LAUNDRY ROOM

6. ANY DESIGN ALTERNATES TO BE SUBMITTED AND REVIEWED FOR CONFORMANCE. 1. OPAQUE EXT. DOORS = 0.31 MIN. U-VALUE 8. AIR BARRIER TEST REPORT SHALL BE SUBMITTED TO JURISDICTION ONCE TEST IS COMPLETED; IF TEST RESULSTS EXCEED 0.25 CFM/SQFT AT 0.3 INCHES WATER GAUGE IN ACCORDANCE WITH ATSTM E 119. IF THE TESTED RATE EXCEEDS THAT DEFINED HERE, A VISUAL INSPECTION OF THE AIR BARRIER SHALL BE CONDUCTED AND ANY LEAKS NOTED SHALL BE SEALED TO THE EXTENT PRACTICABLE PER C402.5.1.2

9. ELECTRICAL POWER AND LIGHTING SYSTEMS SHALL COMPLY WITH SECTION C405

- CODE NOTES:

 1. ELECTRICAL, MECHANICAL, \$ SPRINKLER REVISIONS ARE UNDER SEPARATE PERMIT AS REQUIRED. PENETRATIONS AT WALL ASSEMBLIES TO BE SEALED \$ CAULKED WITH APPROVED MATERIALS. PROVIDE MFGR. SPECS. FOR ALL OTHER OPENINGS TO THE BUILDING ENVELOPE PROVIDE INSPECTOR WITH MANUFACTURERS CUT SHEET DEMONSTRATING CONFORMANCE.
- 3. EXTERIOR JOINTS SHALL BE FLASHED, SEALED, CAULKED AND GASKETED OR WEATHERSTRIPPED TO LIMIT AIR INFILTRATION AT THE FOLLOWING LOCATIONS: - WINDOW AND DOOR FRAMES
- OPENINGS BETWEEN WALLS AND FOUNDATIONS - BETWEEN WALLS AND ROOFS
- 4. INTERIOR WALL AND CEILING FLAME SPREAD REQUIREMENTS PER IBC TABLE 803.13. INSULATING MATERIALS, WHERE CONCEALED AS INSTALLED IN BUILDINGS OF ANY TYPE OF CONSTRUCTION, SHALL HAVE A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 450 PER IBC 120.2.
- FIREBLOCKING SHALL COMPLY WITH IBC SECTION 118.2. DRAFTSTOPPING IN FLOOR/CEILING SPACES AND ATTIC SPACES SHALL COMPLY WITH IBC 8 SAFETY GLAZING TO BE INSTALLED IN ALL HAZARDOUS LOCATIONS PER IBC 2406.4.
- LOCATIONS INCLUDE BUT NOT LIMITED TO: - GLAZING IN ALL FIXED AND OPERABLE PANELS OF SWINGING, SLIDING, AND BIFOLD DOORS - ALL GLAZING WITHIN 24" OF ANY DOOR JAMB
- WHERE AN INDIVIDUAL WINDOW PANEL EXCEEDS 9 SQFT - WHERE THE GLAZING IS LESS THAN 18" A.F.F.
- WITHIN 60" HORIZONTALLY OR VERTICALLY OF A WET SURFACE - WITHIN 60" OF A STAIRWAY OR RAMP LANDING - IN GUARD OR RAILING SYSTEM

WRITTEN APPROVAL FROM HAVEN DESIGN WORKSHOP.

- 1. ALL CONSTRUCTION TO COMPLY WITH 2018 INTERNATIONAL BUILDING CODES AND WASHINGTON
- 2. DO NOT SCALE DRAWINGS, CONSULT ARCHITECT AND OWNER FOR ANY DIMENSIONAL CLARIFICATIONS, ERRORS OR CONFLICTS. FLOOR PLANS TAKE PRECEDENCE OVER ELEVATIONS IF CONFLICTING. GENERAL CONTRACTOR MUST VERIFY DIMENSIONS PRIOR TO PROCEEDING. 3. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION OF WORK BETWEEN SUB-CONTRACTOR TRADES. PROVIDING WEATHER-TIGHT SEALS. FLASHING AND CAULKING AT ALL CONNECTIONS AND PENETRATIONS AND ROOF SYSTEMS FOR MINIMUM WEATHER PROTECTION REQUIREMENTS. INSTALL MATERIALS AND SYSTEMS PER MANUFACTURER REQUIREMENTS. 4. THESE DRAWINGS ARE BID-DESIGN DOCUMENTS AND MAY LACK SOME DETAIL AND SPECS REQ'D FOR COMPLETE COMPETITIVE BID SELECTION PROCESS. THE OWNER/DEVELOPER AND CONTRACTOR SHALL ASSUME RESPONSIBILITY AND LIABILITY FOR COORDINATION OF BID-DESIGN WORK, INCLUDING BUT NOT LIMITED TO GENERAL CONSTRUCTION, MECHANICAL, ELECTRICAL, AND PLUMBING SYSTEMS. THE ARCHITECT IS NOT LIABLE FOR CHANGES/CORRECTIONS MADE BY ON SITE INSPECTION DURING THE COURSE OF CONSTRUCTION OR FOR DETAILS AND SPECIFICATIONS NOT
- 5. THE CONTRACTOR SHALL UTILIZE CONSTRUCTION TECHNIQUES AND PRACTICES STANDARD AND ACCEPTABLE TO THE CONSTRUCTION INDUSTRY. THE ARCHITECT DOES NOT ASSUME LIABILITY OR RESPONSIBILITY FOR METHODS OF CONSTRUCTION DETAILS NOT INCLUDED IN THESE CONTRACT DOCUMENTS.
- 6. THE ARCHITECT HAS NOT BEEN RETAINED OR COMPENSATED TO PROVIDE DESIGN AND/OR CONSTRUCTION REVIEW SERVICES RELATING TO THE CONTRACTOR'S SAFETY PRECAUTIONS OR TO MEANS, METHODS, TECHNIQUES OR PROCEDURES REQUIRED FOR THE CONTRACTOR TO PERFOR HIS WORK, THE UNDERTAKING OF PERIODIC SITE VISITS BY THE ARCHITECT SHALL NOT BE CONSTRUED AS SUPERVISION OF ACTUAL CONSTRUCTION NOR MAKE THEM RESPONSIBLE FOR THE PERFORMANCE OF WORK BY THE CONTRACTOR OR SUBCONTRACTOR OR FOR ACCESS, VISITS, USE, WORK, TRAVEL OR OCCUPANCY BY ANY PERSON.
- 1. GENERAL CONTRACTOR SHALL VERIFY ALL DIMESNSIONS AND EXISTING CONDITIONS BEFORE STARTING WORK AND NOTIFY ARCHITECT OF ANY DISCREPANCIES BEFORE PROCEEDING WITH 8. GENERAL CONTRACTOR 19 RESPONSIBLE FOR PROPER COORDINATON OF THE WORK OF ALL TRADES AND SUPPLIERS, AND TO ENSURE THAT ALL OPENINGS FOR CONDUITS AND SLEEVES ARE PROVIDED FOR AND PROPERLY LOCATED. COORDINATE WITH SUBCONTRACTORS \$ SUPPLIERS. 9. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITIES AND CONNECTIONS INCLUDING SEWER, WATER, GAS AND ELECTRIC SERVICES BEFORE AND DURING THEIR WORK.
- 11. WHERE A CONSTRUCTION DETAIL IS NOT SHOWN OR NOTED, THE DETAIL SHALL BE THE SAME AS FOR OTHER SIMILAR WORK. MATCH EXISTING ADJACENT WALL AREA WHERE APPLICABLE. 12. SHOP DETAILS SHOULD BE SUBMITTED TO HAVEN DESIGN WORKSHOP AND/OR RELATED ENGINEER FOR REVIEW BEFORE PROCEEDING WITH FABRICATION. 13. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT

14. SEE ENVELOPE ENCLOSURE DOCUMENTS FOR CLIMATE CONTROL RELATED CONSTRUCTION

OWNER

NIRVAIR LLC JAG SANDHU & KULJIT SHOKER 905 20TH ST. **ANACORTES, WA 98221** (360)770-3701 SANDHU JAG@OUTLOOK.COM JAS.SHO37@OUTLOOK.COM

NIRVAIR LLC WATER STREET HOTEL

1136 WATER ST. PORT TOWNSEND, WA 98368

ARCHITECT

CG ENGINEERING

EDMONDS, WA 98020

JOE GALUSHA

DIRK ROGSTAD

250 4TH AVE S

(425)778-8500

SUITE 200

HAVEN DESIGN WORKSHOP **ARCHITECT: SEAN HEGSTAD** PROJECT MANAGER: DOUGLAS GREENE 5828 SECOND AVE, STE. 101 FERNDALE, WA 98246 (360) 527-2840 SEAN@HAVEN-DW.COM DOUGLAS@HAVEN-DW.COM

CIVIL ENGINEER

SOUND DEVELOPMENT GROUP PAT SEVERIN P.O. Box 1705 MOUNT VERNON, WA 98273 (360)404-2010 PAT@SDG-LLC.COM

PLUMBING ENGINEER TBD

1111 CLEVELAND STREET, STE 202

STRUCTURAL ENGINEER MECHANICAL ENGINEER

ELECTRICAL ENGINEER TBD

BUILDER

A7.2 STAIR 1 DETAILS

STAIR 2 DETAILS

INTERIOR DETAILS

SCHEDULES

DOOR AND WINDOW

REFLECTED CEILING

PLAN - FLOOR 1

WEATHER BARRIER

WEATHER BARRIER

PLAN - FLOOR 2 - 4

INTERIOR ELEVATIONS

A7.4 ELEVATOR DETAILS

A8.2 FINISH SCHEDULE &

A9.2 REFLECTED CEILING

A10.1 FIRE PENETRATIONS

JGALUSHA@CGENGINEERING.COM

DIRKR@CGENGINEERING.COM

<u>D</u> F	RAWING LIST		
	COVER SHEET		STRUCTURAL
A0.1	CODE NOTES	S1.1	STRUCTURAL NOTES
A 1.1	SITE PLAN	S1.2	STRUCTURAL NOTES
A2.1	EXTERIOR PERSPECTIVES	S2.1	FOUNDATION PLAN
A2.2	EXTERIOR ELEVATIONS	S2.2	SECOND FLOOR FRAMING
A2.3	EXTERIOR ELEVATIONS		PLAN
A3.1	FOUNDATION PLAN	S2.3	THIRD FLOOR FRAMING
A3.2	FLOOR 1 PLAN OVERALL		PLAN
A3.3	FLOOR 2 PLAN OVERALL	S2.4	FOURTH FLOOR FRAMING
A3.4	FLOOR 3 PLAN OVERALL		PLAN
A3.5	FLOOR 4 PLAN OVERALL	S2.5	ROOF FRAMING PLAN
A3.6	ROOF PLAN	S3.1	SCHEDULES
A4.1	ENLARGED BATHROOM PLANS	S4.1	FOUNDATION DETAILS
A5.1	BUILDING SECTIONS	S5.1	WOOD FRAMING DETAILS
A5.2	BUILDING SECTION	S5.2	WOOD FRAMING DETAILS
A5.3	WALL SECTIONS	S5.3	WOOD FRAMING DETAILS
A5.4	CONSTRUCTION ASSEMBLIES	S6.1	ROOF FRAMING DETAILS
A6.1	EXTERIOR DETAILS	S7.1	STEEL FRAMING DETAILS
A6.2	EXTERIOR DETAILS	S8.1	TRASH ENCLOSURE PLAN & DETAILS
A6.3	EXTERIOR DETAILS		
A7.1	ADA DETAILS	C1 O	CIVIL COVED SUEET

C1.0	CIVIL COVER SHEET
C1.1	EXISTING CONDITIONS,
	DEMOLITION, & TESC PLAN
C1.2	TESC PLAN NOTES & DETAILS
C2.0	SITE & GRADING PLAN
C2.1	UTILIY PLAN
C3.0	C.O.P.T. STANDARD DETAILS
C3.1	C.O.P.T. STANDARD DETAILS
C3.2	C.O.P.T. STANDARD DETAILS
C3.3	C.O.P.T. STANDARD DETAILS
C3.4	CONSTRUCTION DETAILS
C4.0	STANDARD SPECIFICATIONS

& WSDOT STD. DETAILS

APPROVED Jeffrey Kostechka, PE Jeffy Kato CITY OF PORT TOWNSEND PUBLIC WORKS DEPARTMENT

NOTE: THIS APPROVAL IS VALID FOR 1 YEAR FROM THE DATE OF APPROVAL. THIS APPROVAL IS ONLY FOR REVIEW FOR CONFORMANCE WITH CITY STANDARDS AND APPLICABLE PERMIT APPROVAL CONDITIONS. THE CITY IS NOT RESPONSIBLE FOR ERRORS AND /OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY NECESSITATE CHANGES AS APPROVED AND/OR DETERMINED BY THE CITY OF PORT TOWNSEND.

For civil sheets

REVISIONS LIST: REVISION # PAGE # AI.I. A2.I. A2.2. A2.3. A3.I. A3.2. A3.3. A3.4. A3.5. A7.I. A8.I. A8.2, S1.1, S2.2, S4.1, S8.1, C1.0, C1.1, C1.2, C2.0, C2.2, C3.0, C3.1, 2 Al.1, A3.1, A3.2, C2.0, C2.1, C3.4

DESIGN 5828 SECOND AVE, STE. 101 FERNDALE, WA 98248 (360) 527-2840 WWW.HÁVEN-DW.COM © COPYRIGHT 2024

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PROJECT 23 - 007 **DRAWN BY** D. Greene DATE 12.11.24 SCALE As Noted CHECKED Sean Hegstad

|# |- |0|

Sean M. Hegstad STÁTE OF WASHINGTON

Water St CD SITE 1.1, December 11, 2024

LEGEND

	EXISTING RIGHT OF WAY LINE		PROPOSED PROPERTY BOUNDARY
	ASBUILT ROAD CENTERLINE		PROPOSED ROAD RIGHT OF WAY
	EXISTING ROAD CENTERLINE		PROPOSED ROAD CENTERLINE
	EXISTING PROPERTY LINE		PROPOSED PROPERTY LINE (INTERIOR)
0	EXISTING PROPERTY CORNER		PROPOSED SIGN
———— SD ———————————————————————————————	EXISTING STORM DRAIN	SD	PROPOSED STORM DRAIN
	EXISTING TYPE 2 CB		PROPOSED STORM CATCH BASIN TYPE II
	EXISTING TYPE 1 CB		PROPOSED STORM CATCH BASIN
SS	EXISTING SANITARY SEWER	ss	PROPOSED SANITARY SEWER
	EXISTING SANITARY MANHOLE		PROPOSED SANITARY MANHOLE
——— w ———— w ———	EXISTING WATERLINE	•	PROPOSED SANITARY SEWER CLEANOUT
\bowtie	EXISTING WATER VALVE	——————————————————————————————————————	PROPOSED WATERLINE
	EXISTING FIRE HYDRANT	K	PROPOSED WATER VALVE
G	EXISTING GAS LINE	-	PROPOSED FIRE HYDRANT
——— Р	EXISTING POWERLINE	▶ [PROPOSED REDUCER
	EXISTING FENCELINE	†	PROPOSED BLOW-OFF ASSEMBLY
	EXISTING EDGE OF ASPHALT	UT	PROPOSED UTILITY TRENCH
	EXISTING CURB & GUTTER	G	PROPOSED GAS LINE
d	EXISTING CONCRETE	P	PROPOSED POWERLINE
	EXISTING ASPHALT		PROPOSED CURB AND GUTTER
	EXISTING GRAVEL		PROPOSED CONCRETE
29	EXISTING CONTOUR		PROPOSED ASPHALT
29	PROPOSED CONTOUR		PROPOSED GRAVEL

LEGAL DESCRIPTION

LOTS 5 AND 7 OF THE ORIGINAL TOWNSITE OF THE CITY OF PORT TOWNSEND, PER PLAT RECORDED IN VOLUME 1 OF PLATS, PAGE 1. RECORDS OF JEFFERSON COUNTY, WASHINGTON.

SITE INFORMATION

SITE PARCEL NUMBER(S): 989703802 SITE ADDRESS:

1136 WATER STREET PORT TOWNSEND, WA 98368

SITE AREA: 6,045 SF - 0.139 AC SITE ZONING: C-III HISTORIC COMMERCIAL DISTRICT 2-STORY HOTEL PROPOSED USE:

PERMITTING INFORMATION

PRE-APPLICATION MEETING NUMBER: PRE22-005 MIP/SDP PERMIT NUMBER: SDP24-030 **BUILDING PERMIT NUMBER:** BLD24-106

UNDERGROUND UTILITY NOTE

UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED ON SURFACE INDICATORS, UTILITY MAPS PROVIDED BY THE CLIENT, JEFFERSON COUNTY, AND APS UTILITY SERVICE WAS ALSO USED FOR THEIR LOCATION.

SURVEY INFORMATION BELOW IS FROM THE TOPOGRAPHIC MAP COMPLETED BY VAN ALLER SURVEYING AND SIGNED ON 03.18.2021.

PROCEDURES

THIS SURVEY IS BASED ON A GROUND SURVEY UTILIZING CONVENTIONAL TRAVERSE METHODS WITH CLOSURES THAT MEET OR EXCEED THE STANDARDS CONTAINED IN WAC 332-130-090.

EQUIPMENT

TRIMBLE S7 3" ROBOTIC TOTAL STATION & TRIMBLE TSC2 DATA COLLECTOR

DATE OF SURVEY

MARCH OF 2021

BASIS OF BEARINGS

WASHINGTON COORDINATE SYSTEM OF 1983, ADJUSTMENT 1991, NORTH ZONE, NORTH AMERICAN DATUM (NAD 83/91). DETERMINED FROM FIELD MEASUREMENTS TO CITY OF PORT TOWNSEND GEODETIC CONTROL POINTS #0011050 AND #0011051.

VERTICAL DATUM

NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) DETERMINED FROM FIELD MEASUREMENTS TO CITY OF PORT TOWNSEND GEODETIC CONTROL POINTS #0011050 AND #0011051.

SURVEY NOTES

- 1) THIS MAP IS BASED ON FIELD SURVEY CONDUCTED
- 2) UNDERGROUND UTILITIES SHOWN HEREON ARE BASED UPON FIELD MARKINGS PLACED BY OTHERS AND MUST BE VERIFIED PRIOR TO CONSTRUCTION

SURVEY INFORMATION

- **DURING MARCH 2021**

WATER

UTILITIES ON THE SITE

CITY OF PORT TOWNSEND PUBLIC WORKS DEPARTMENT (360) 379-5096

WASTEWATER

CITY OF PORT TOWNSEND **BLISS MORRIS** (360) 385-3000 EXT. 3197 bnorris@cityofpt.us

POWER

JEFFERSON COUNTY PUD 360.385.5800 info@jeffpud.org

TELEPHONE/INTERNET

PURVEYOR CONTACT NAME PHONE **EMAIL**

SOLID WASTE

CITY OF PORT TOWNSEND NAOMI STERN (360) 379-5097 nstern@cityofpt.us



VICINITY MAP

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Sound Development Group ENGINEERING, SURVEYING & LAND DEVELOPMENT SERVICES P.O. Box 1705 • 1111 Cleveland Avenue, Suite 2

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N	1ou	ınt Verno	on, WA	98273	Tel: 36	0-404-20	10
3	SH	EET RE	VISION	S:			
١	NO.	DATE	DESCR	IPTION		APPROVI	ΕC
1	1	10.24.24	CITY RE	EVISION		P.SEVER	ΚIN
2	2	11.25.24	CITY RE	EVISION		P.SEVER	ZIN

CALL 48 HOURS BEFORE YOU DIG 1.800.424.5555

PROJECT DESCRIPTION THE PROPOSED PROJECT INCLUDES THE CONSTRUCTION OF A TWO-STORY HOTEL WITH STREET/PARKING IMPROVEMENTS, GREASE INTERCEPTOR LINE, FIRE LINE, NEW DOMESTIC WATER CONNECTION AND INSTALLATION OF A DUMPSTER AREA. THE STORMWATER FROM THE PROPOSED ASPHALT WILL BE PASSED THROUGH A STORMFILTER AND THEN PUMPED TO THE EXISTING STORMWATER SYSTEM.

CITY OF PORT TOWNSEND CONTACTS

DEVELOPMENT PROJECT ADMINISTRATOR ROBIN HILL PH: 360.379-4665 EXT 4665 EM: rhill@cityofpt.us

PUBLIC WORKS DIRECTOR STEVE KING, P.E. PH: 360.379.5090 EXT 5090 EM: sking@cityofpt.us

PLANNING AND COMMUNITY DEVELOPMENT DIRECTOR EMMA BOLIN PH: 360.390.4048 EXT 4048

APPROVED

NOTE: THIS APPROVAL IS VALID

FOR 1 YEAR FROM THE DATE OF APPROVAL. THIS APPROVAL IS

STANDARDS AND APPLICABLE PERMIT APPROVAL CONDITIONS. THE CITY IS NOT RESPONSIBLE FOR ERRORS AND/OR OMISSIONS

CONDITIONS MAY NECESSITATE CHANGES AS APPROVED AND/OR

DETERMINED BY THE CITY OF

Jeffrey Kostechka, PE

CITY OF PORT TOWNSEND PUBLIC WORKS DEPARTMENT

ONLY FOR REVIEW FOR CONFORMANCE WITH CITY

ON THESE PLANS. FIELD

PORT TOWNSEND.

DATE:

ASSISTANT CITY ENGINEER JEFF KOSTECHKA, P.E. PH: 360.302.2192 EXT 2192 EM: jkostechka@cityofpt.us

EM: ebolin@cityofpt.us

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SIGNED 12.11.2024

NO SCALE	SCALE:
C.SEVERIN	DRAWN BY:
P.SEVERIN	DESIGNED BY:
03.05.2024	DATE:
24013	JOB NUMBER:
24013PLN.DWG	DWG NAME:

SHEET NUMBER:

OWNER:

NIRVAIR LLC JAG SANDHU & KULJIT SHOKER 905 20TH STREET ANACORTES, WA 98221 PH: 360.770.3701 EM: sandhu_jag@outlook.com

ARCHITECT:

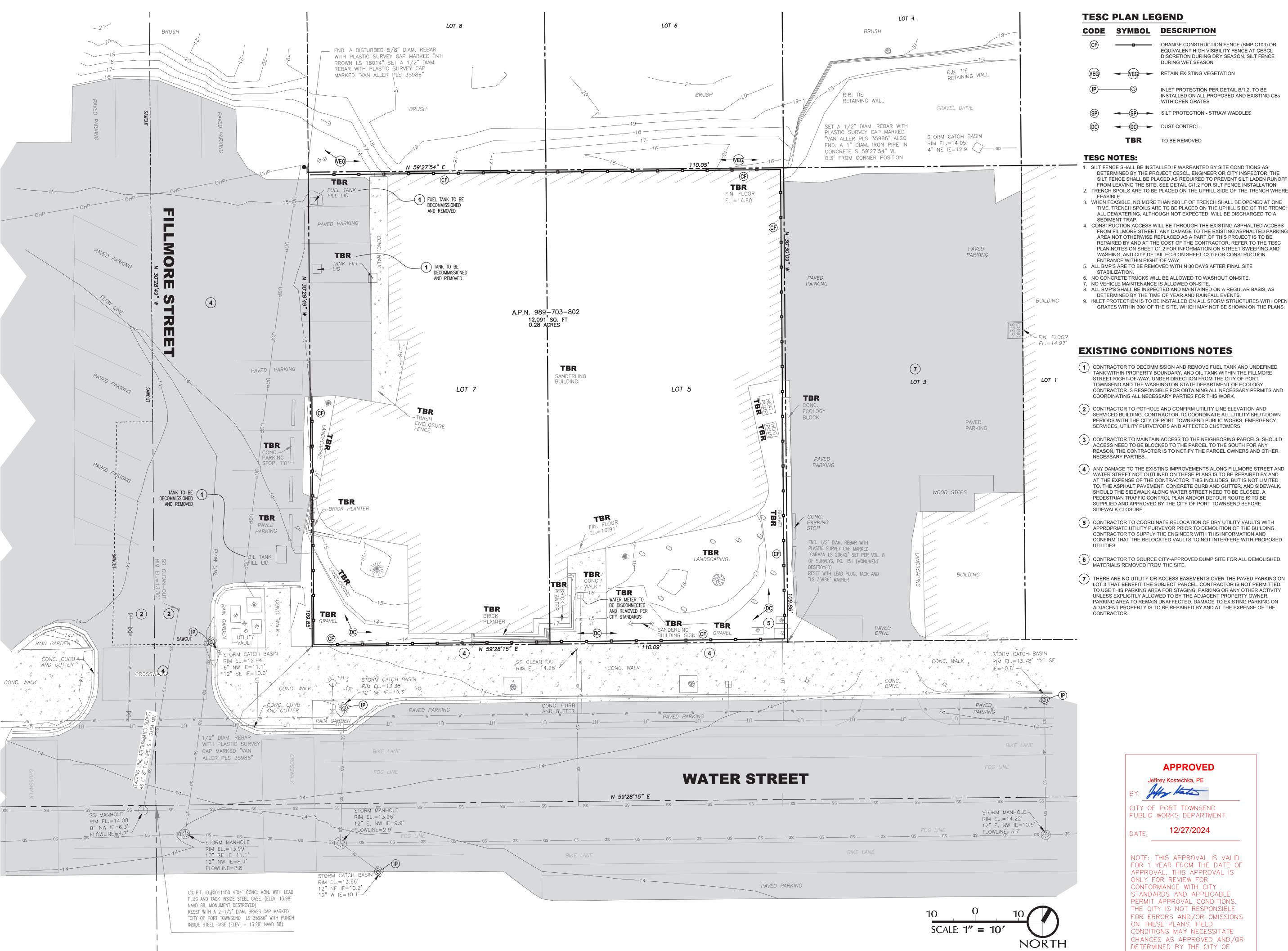
HAVEN DESIGN WORKSHOP SEAN HEGSTAD 5828 SECOND AVENUE, SUITE 101 FERNDALE, WA 98248 PH: 360.527.2840 EM: sean@haven-dw.com

ENGINEER:

SOUND DEVELOPMENT GROUP, LLC PAT SEVERIN / CLAIRE SEVERIN 1111 CLEVELAND AVENUE, SUITE 202 MOUNT VERNON, WA 98273 PH: 360.404.2010 EM: pat@sdg-llc.com / claire@sdg-llc.com

SURVEYOR: VAN ALLER SURVEYING

BRIAN L VAN ALLER, LS 35986 P.O. BOX 757 CARLSBORG, WA 98324 PH: 360.683.3438



TESC PLAN LEGEND

CODE SYMBOL DESCRIPTION ORANGE CONSTRUCTION FENCE (BMP C103) OR EQUIVALENT HIGH VISIBILITY FENCE AT CESCL DISCRETION DURING DRY SEASON, SILT FENCE DURING WET SEASON ▼ (VEG) ► RETAIN EXISTING VEGETATION

INLET PROTECTION PER DETAIL B/1.2. TO BE INSTALLED ON ALL PROPOSED AND EXISTING CBs WITH OPEN GRATES

SILT PROTECTION - STRAW WADDLES DUST CONTROL TO BE REMOVED

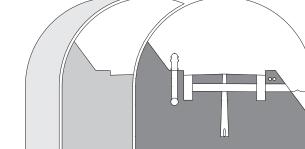
TESC NOTES:

SILT FENCE SHALL BE INSTALLED IF WARRANTED BY SITE CONDITIONS AS DETERMINED BY THE PROJECT CESCL, ENGINEER OR CITY INSPECTOR. THE SILT FENCE SHALL BE PLACED AS REQUIRED TO PREVENT SILT LADEN RUNOFF FROM LEAVING THE SITE. SEE DETAIL C/1.2 FOR SILT FENCE INSTALLATION.

- 3. WHEN FEASIBLE, NO MORE THAN 500 LF OF TRENCH SHALL BE OPENED AT ONE TIME. TRENCH SPOILS ARE TO BE PLACED ON THE UPHILL SIDE OF THE TRENCH; ALL DEWATERING, ALTHOUGH NOT EXPECTED, WILL BE DISCHARGED TO A SEDIMENT TRAP.
- 4. CONSTRUCTION ACCESS WILL BE THROUGH THE EXISTING ASPHALTED ACCESS FROM FILLMORE STREET. ANY DAMAGE TO THE EXISTING ASPHALTED PARKING AREA NOT OTHERWISE REPLACED AS A PART OF THIS PROJECT IS TO BE REPAIRED BY AND AT THE COST OF THE CONTRACTOR. REFER TO THE TESC PLAN NOTES ON SHEET C1.2 FOR INFORMATION ON STREET SWEEPING AND WASHING, AND CITY DETAIL EC-6 ON SHEET C3.0 FOR CONSTRUCTION ENTRANCE WITHIN RIGHT-OF-WAY.
- 5. ALL BMP'S ARE TO BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION.
- 6. NO CONCRETE TRUCKS WILL BE ALLOWED TO WASHOUT ON-SITE. 7. NO VEHICLE MAINTENANCE IS ALLOWED ON-SITE.
- 8. ALL BMP'S SHALL BE INSPECTED AND MAINTAINED ON A REGULAR BASIS, AS
- DETERMINED BY THE TIME OF YEAR AND RAINFALL EVENTS. 9. INLET PROTECTION IS TO BE INSTALLED ON ALL STORM STRUCTURES WITH OPEN GRATES WITHIN 300' OF THE SITE, WHICH MAY NOT BE SHOWN ON THE PLANS.

EXISTING CONDITIONS NOTES

- (1) CONTRACTOR TO DECOMMISSION AND REMOVE FUEL TANK AND UNDEFINED TANK WITHIN PROPERTY BOUNDARY, AND OIL TANK WITHIN THE FILLMORE STREET RIGHT-OF-WAY, UNDER DIRECTION FROM THE CITY OF PORT TOWNSEND AND THE WASHINGTON STATE DEPARTMENT OF ECOLOGY. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND COORDINATING ALL NECESSARY PARTIES FOR THIS WORK.
- (2) CONTRACTOR TO POTHOLE AND CONFIRM UTILITY LINE ELEVATION AND SERVICED BUILDING. CONTRACTOR TO COORDINATE ALL UTILITY SHUT-DOWN PERIODS WITH THE CITY OF PORT TOWNSEND PUBLIC WORKS, EMERGENCY SERVICES, UTILITY PURVEYORS AND AFFECTED CUSTOMERS.
- (3) CONTRACTOR TO MAINTAIN ACCESS TO THE NEIGHBORING PARCELS. SHOULD ACCESS NEED TO BE BLOCKED TO THE PARCEL TO THE SOUTH FOR ANY REASON, THE CONTRACTOR IS TO NOTIFY THE PARCEL OWNERS AND OTHER
- (4) ANY DAMAGE TO THE EXISTING IMPROVEMENTS ALONG FILLMORE STREET AND WATER STREET NOT OUTLINED ON THESE PLANS IS TO BE REPAIRED BY AND AT THE EXPENSE OF THE CONTRACTOR. THIS INCLUDES, BUT IS NOT LIMITED TO. THE ASPHALT PAVEMENT, CONCRETE CURB AND GUTTER, AND SIDEWALK. SHOULD THE SIDEWALK ALONG WATER STREET NEED TO BE CLOSED, A PEDESTRIAN TRAFFIC CONTROL PLAN AND/OR DETOUR ROUTE IS TO BE SUPPLIED AND APPROVED BY THE CITY OF PORT TOWNSEND BEFORE SIDEWALK CLOSURE.
- (5) CONTRACTOR TO COORDINATE RELOCATION OF DRY UTILITY VAULTS WITH APPROPRIATE UTILITY PURVEYOR PRIOR TO DEMOLITION OF THE BUILDING. CONTRACTOR TO SUPPLY THE ENGINEER WITH THIS INFORMATION AND CONFIRM THAT THE RELOCATED VAULTS TO NOT INTERFERE WITH PROPOSED
- (6) CONTRACTOR TO SOURCE CITY-APPROVED DUMP SITE FOR ALL DEMOLISHED MATERIALS REMOVED FROM THE SITE.
- (7) THERE ARE NO UTILITY OR ACCESS EASEMENTS OVER THE PAVED PARKING ON LOT 3 THAT BENEFIT THE SUBJECT PARCEL. CONTRACTOR IS NOT PERMITTED TO USE THIS PARKING AREA FOR STAGING, PARKING OR ANY OTHER ACTIVITY UNLESS EXPLICITLY ALLOWED TO BY THE ADJACENT PROPERTY OWNER. PARKING AREA TO REMAIN UNAFFECTED. DAMAGE TO EXISTING PARKING ON ADJACENT PROPERTY IS TO BE REPAIRED BY AND AT THE EXPENSE OF THE



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Mount Vernon, WA 98273 Tel: 360-404-2010

<u>SHEET REVISIONS:</u> NO. DATE DESCRIPTION P.SEVERIN 10.24.24 CITY REVISION 11.25.24 CITY REVISION P.SEVERIN

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1.800.424.5555

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APPROVED

Jeffrey Kostechka, PE

CITY OF PORT TOWNSEND PUBLIC WORKS DEPARTMENT

12/27/2024

NOTE: THIS APPROVAL IS VALID FOR 1 YEAR FROM THE DATE OF APPROVAL. THIS APPROVAL IS ONLY FOR REVIEW FOR CONFORMANCE WITH CITY STANDARDS AND APPLICABLE PERMIT APPROVAL CONDITIONS. THE CITY IS NOT RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY NECESSITATE CHANGES AS APPROVED AND/OR DETERMINED BY THE CITY OF PORT TOWNSEND.



SIGNED 12.11.2024

SCALE:	1" = 10'
DRAWN BY:	C.SEVERIN
DESIGNED BY:	P.SEVERIN
DATE:	03.05.2024
JOB NUMBER:	24013
DWG NAME:	24013PLN.DWG

SHEET NUMBER:

ESC-1 STANDARD ESC NOTES

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.).

- 1. AS DIRECTED BY PUBLIC WORKS DIRECTOR PRIOR TO COMMENCING CONSTRUCTION, ALL CRITICAL AREAS, INCLUDING WETLAND BUFFERS, STREAM CORRIDOR, LANDFILL AREAS, AND STEEP SLOPES SHALL BE CONTINUOUSLY DEMARCATED IN THE FIELD USING FLAGGING TAPE OR FENCING.
- 2. EROSION CONTROL METHODS AND MATERIALS SHALL MEET REQUIREMENTS OF SECTION 8-01 OF THE APWA/WASHINGTON STATE DEPARTMENT OF TRANSPORTATION 2024 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, AND REQUIREMENTS SET FORTH IN VOLUME ii OF THE "STORMWATER MANAGEMENT MANUAL FOR THE PUGET SOUND BASIN (THE TECHNICAL MANUAL)", BY THE WASHINGTON STATE DEPARTMENT OF ECOLOGY, CURRENT EDITION. THE CONTRACTOR SHALL FOLLOW RECOMMENDATIONS MADE BY SUPPLIERS AND MANUFACTURERS OF MATERIALS AND EQUIPMENT USED.
- 3. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS, AND MUST BE INSTALLED AND IN OPERATION PRIOR TO ANY GRADING OR LAND CLEARING. WHEREVER POSSIBLE, MAINTAIN NATURAL VEGETATION
- 4. 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 (E.G., ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS. ADDITIONALLY, MORE ESC FACILITIES MAY BE REQUIRED TO ENSURE COMPLETE SILTATION CONTROL. THEREFORE, DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES OVER AND ABOVE THE MINIMUM
- 5. ANY PERMANENT RETENTION/DETENTION FACILITY USED AS A TEMPORARY SETTLING BASIN SHALL BE MODIFIED WITH THE NECESSARY EROSION CONTROL MEASURES AND SHALL PROVIDE ADEQUATE STORAGE CAPACITY. IF THE PERMANENT FACILITY IS TO FUNCTION ULTIMATELY AS AN INFILTRATION OR DISPERSION SYSTEM, THE FACILITY SHALL NOT BE USED AS A TEMPORARY SETTLING BASIN. NO UNDERGROUND DETENTION TANK, DETENTION VAULT, OR SYSTEM, WHICH BACKS UNDER OR INTO A POND, SHALL BE USED AS A TEMPORARY SETTLING BASIN.
- 6. WHERE SEEDING FOR TEMPORARY EROSION CONTROL IS REQUIRED, FAST GERMINATING GRASSES SHALL BE APPLIED AT AN APPROPRIATE RATE (EXAMPLE: ANNUAL OR PERENNIAL RYE APPLIED AT APPROXIMATELY 80 POUNDS PER ACRE).
- 7. WHERE STRAW MULCH IS REQUIRED FOR TEMPORARY EROSION CONTROL, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF TWO (2) INCHES.
- 8. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE CITY OF PORT TOWNSEND STANDARDS AND SPECIFICATIONS.
- 9. THE ESC FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS ON THE APPROVED PLANS, LOCATIONS MAY BE MOVED TO SUIT FIELD CONDITIONS, SUBJECT TO APPROVAL BY THE CITY OF PORT TOWNSEND PUBLIC WORKS DIRECTOR AND CITY OF PORT TOWNSEND
- 10. A COPY OF THE APPROVED EROSION CONTROL PLANS MUST BE ON THE JOB SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- 11. ALL LOTS ADJOINING OR HAVING ANY NATIVE GROWTH PROTECTION EASEMENTS (NGPE) SHALL HAVE A FOUR (4) FOOT HIGH TEMPORARY CONSTRUCTION FENCE (CYCLONE OR PLASTIC MESH) SEPARATING THE LOT (OR BUILDABLE PORTIONS OF THE LOT) FROM THE AREA RESTRICTED BY THE NGPE AND SHALL BE INSTALLED PRIOR TO ANY GRADING OR CLEARING AND REMAIN IN PLACE UNTIL A DWELLING IS CONSTRUCTED AND OWNERSHIP TRANSFERRED TO THE FIRST OWNER/OCCUPANT.
- 12. A CLEARING CONTROL FENCE SHALL BE INSTALLED AT THE DRIP LINE OF TREES TO BE SAVED WHEREVER THE TREE CANOPIES EXTEND INTO THE AREA TO BE CLEARED. ON-SITE SUPERVISION SHALL BE PROVIDED WHENEVER EQUIPMENT MUST OPERATE UNDER TREE CANOPIES, AND FENCING SHALL BE REPLACED WHEN NECESSARY. THE CLEARING CONTROL FENCE SHALL CONSIST OF A SINGLE STRAND OF WIRE ATTACHED ABOUT THREE (3) FEET HIGH TO WOOD LATH AT A TWELVE (12) FOOT MAXIMUM SPACING AND FLAGGED WITH SURVEY RIBBON AT FOUR (4) FOOT INTERVALS.
- 13. OFF-SITE STREETS MUST BE KEPT CLEAN AT ALL TIMES. IF DIRT IS DEPOSITED ON THE PUBLIC STREET SYSTEM, THE STREET SHALL BE IMMEDIATELY CLEANED WITH A POWER SWEEPER OR OTHER EQUIPMENT. ALL VEHICLES SHALL LEAVE THE SITE BY WAY OF THE CONSTRUCTION ENTRANCE AND SHALL BE CLEANED OF ALL DIRT THAT WOULD BE DEPOSITED ON THE PUBLIC STREETS.
- 14. ANY CATCH BASINS COLLECTING RUNOFF FROM THE SITE, WHETHER THEY ARE ON OR OFF THE SITE, SHALL HAVE THEIR GRATES COVERED WITH FILTER FABRIC DURING CONSTRUCTION.
- 15. THE WASHED GRAVEL BACKFILL ADJACENT TO THE FILTER FABRIC FENCE SHALL BE REPLACED AND THE FILTER FABRIC CLEANED IF IT IS NONFUNCTIONAL BY EXCESSIVE SILT ACCUMULATION AS DETERMINED BY THE CITY OF PORT TOWNSEND. ALSO, ALL INTERCEPTOR SWALES SHALL BE CLEANED IF SILT ACCUMULATION EXCEEDS ONE-QUARTER DEPTH.
- 16. ROCK FOR EROSION PROTECTION OF ROADWAY DITCHES, WHERE REQUIRED, MUST BE OF SOUND QUARRY ROCK, PLACED TO DEPTH OF ONE (1) FOOT AND MUST MEET THE FOLLOWING SPECIFICATIONS: 4"-8" ROCK/40%-70% PASSING; 2"-4" ROCK/30%-40% PASSING; AND 1"-2" ROCK/10%-20% PASSING
- 17. IF ANY PART(S) OF THE CLEARING LIMIT, BOUNDARY OR TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN IS/ARE DAMAGED, IT SHALL BE
- REPAIRED <u>IMMEDIATELY</u>. 18. ALL PROPERTIES ADJACENT TO THE PROJECT SITE SHALL BE PROTECTED FROM SEDIMENT DEPOSITION AND RUNOFF. DO NOT FLUSH CONCRETE BY-PRODUCTS OR TRUCKS NEAR OR INTO THE STORM DRAINAGE SYSTEM. IF EXPOSED AGGREGATE IS FLUSHED INTO THE STORM SYSTEM, IT
- 19. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/ESC SUPERVISOR UNTIL ALL CONSTRUCTION IS APPROVED.

COULD MEAN RECLEANING THE ENTIRE DOWNSTREAM STORM SYSTEM, OR POSSIBLY RELAYING THE STORM LINE.

- 20. THE ESC SUPERVISOR NAME IS 24 HR. CONTACT NUMBER IS:
- 21. THE APPLICANT'S NAME IS:
- 24 HR. CONTACT NUMBER IS:
- 22. 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.
- 23. 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 ESC FACILITIES DURING THE WET SEASON (OCT. 1 TO APRIL 30) AND OF THE MONTHLY REVIEWS DURING THE DRY SEASON (MAY 1 TO SEPT. 30).
- 24. 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.)
- 25. ANY AREA NEEDING ESC MEASURES NOT REQUIRING IMMEDIATE ATTENTION SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.
- 26. THE ESC FACILITIES ON ACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN FORTY-EIGHT (48) HOURS FOLLOWING A STORM EVENT.
- 27. 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
- 28. OFF-SITE STORMWATER AND/OR GROUNDWATER TO BE DIVERTED AWAY FROM SLOPES & DISTURBED AREAS WITH INTERCEPTOR DIKES. PIPES. OR SWALES. OFF-SITE STORMWATER SHALL BE MANAGED DIFFERENTLY FROM STORMWATER GENERATED ON-SITE.
- 29. EXCAVATED MATERIAL TO BE PLACED ON UPHILL SIDE OF TRENCH.
- 30. 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.
- 31. 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 AS 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.
- 32. PRIOR TO THE BEGINNING OF THE WET SEASON (OCT. 1), ALL DISTURBED AREAS SHALL BE REVIEWED TO IDENTIFY WHICH ONES CAN BE SEEDED IN PREPARATION FOR THE WINTER RAINS. DISTURBED AREAS SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET SEASON. A SKETCH MAP OF THOSE AREAS TO BE SEEDED AND THOSE AREAS TO REMAIN UNCOVERED SHALL BE SUBMITTED TO THE CITY OF PORT TOWNSEND INSPECTOR. THE CITY OF PORT TOWNSEND INSPECTOR CAN REQUIRE SEEDING OF ADDITIONAL AREAS IN ORDER TO PROTECT SURFACE WATERS. ADJACENT PROPERTIES, OR DRAINAGE FACILITIES.

ESC-2 WET SEASON SPECIAL PROVISIONS

(OCTOBER 1 - APRIL 30)

- 1. THE ALLOWED TIME THAT A DISTURBED AREA CAN REMAIN UNWORKED WITHOUT COVER MEASURES IS REDUCED TO TWO DAYS, RATHER THAN
- 2. STOCKPILES AND STEEP CUT AND FILL SLOPES ARE TO BE PROTECTED IF UNWORKED FOR MORE THAN 12 HOURS.
- 3. COVER MATERIALS SUFFICIENT TO COVER ALL DISTURBED AREAS SHALL BE STOCKPILED ON SITE.
- 4. ALL AREAS THAT ARE TO BE UNWORKED DURING THE WET SEASON SHALL BE SEEDED WITHIN ONE WEEK OF THE BEGINNING OF THE WET
- 5. MULCH IS REQUIRED TO PROTECT ALL SEEDED AREAS.
- 6. FIFTY LINEAR FEET OF SILT FENCE (AND THE NECESSARY STAKES) PER ACRE OF DISTURBANCE MUST BE STOCKPILED ON SITE.
- 7. CONSTRUCTION ROAD AND PARKING LOT STABILIZED ARE REQUIRED FOR ALL SITES UNLESS THE SITE IS UNDERLAIN BY COARSE-GRAINED SOIL.
- 8. SEDIMENT RETENTION IS REQUIRED UNLESS NO OFFSITE DISCHARGED IS ANTICIPATED FOR THE SPECIFIC DESIGN FLOW.
- 9. SURFACE WATER CONTROLS ARE REQUIRED UNLESS NO OFFSITE DISCHARGE IS ANTICIPATED FOR THE SPECIFIED DESIGN FLOW.
- 10. PHASING AND MORE CONSERVATIVE BMP'S MUST BE EVALUATED FOR CONSTRUCTION ACTIVITY NEAR SURFACE WATERS.
- 11. ANY RUNOFF GENERATED BY DEWATERING SHALL BE TREATED THROUGH CONSTRUCTION OF A SEDIMENT TRAP WHEN THERE IS SUFFICIENT SPACE OR BY RELEASING THE WATER TO A WELL-VEGETATED, GENTLY SLOPING AREA. SINCE PUMPS ARE USED FOR WATERING, IT MAY BE POSSIBLE TO PUMP THE SEDIMENT-LADEN WATER WELL AWAY FROM THE SURFACE WATER SO THAT VEGETATION CAN BE MORE EFFECTIVELY UTILIZED FOR TREATMENT. A STRAW BALE FILTER SHALL BE PLACED AROUND THE DISCHARGE FROM THE DEWATERING PUMP. IF THERE IS NOT SPACE FOR A SEDIMENT TRAP OR 25 FEET OF SUITABLE VEGETATION, OTHER FILTRATION METHODS SHALL BE REQUIRED.
- 12. THE FREQUENCY OF MAINTENANCE REVIEW INCREASES FROM MONTHLY TO WEEKLY.
- 13. SOILS SHALL BE STABILIZED AT THE END OF THE SHIFT, BEFORE A HOLIDAY OR WEEKEND, IF NEEDED, BASED ON THE WEATHER FORECAST.

ESC-3 SENSITIVE AREAS SPECIAL PROVISIONS

- 1. WHENEVER POSSIBLE, PHASE ALL OR PART OF THE PROJECT SO THAT IT OCCURS DURING THE DRY SEASON. IF THIS IS IMPOSSIBLE. NOVEMBER THROUGH FEBRUARY SHALL BE AVOIDED SINCE THIS IS THE MOST LIKELY PERIOD FOR LARGE, HIGH-INTENSITY STORMS.
- ALL PROJECTS SHALL BE COMPLETED AND STABILIZED AS QUICKLY AS POSSIBLE, LIMITING THE SIZE AND DURATION OF A PROJECT IS PROBABLY THE MOST EFFECTIVE FORM OF EROSION CONTROL
- 3. WHERE APPROPRIATE, SANDBAGS OR AN EQUIVALENT BARRIER SHALL BE CONSTRUCTED BETWEEN THE PROJECT AREA AND THE SURFACE WATER IN ORDER TO ISOLATE THE CONSTRUCTION AREA FROM HIGH WATER THAT MIGHT RESULT DUE TO PRECIPITATION.
- ADDITIONAL PERIMETER PROTECTION SHALL BE CONSIDERED TO REDUCE THE LIKELIHOOD OF SEDIMENT ENTERING THE SURFACE WATERS. SUCH PROTECTION MIGHT INCLUDE MULTIPLE SILT FENCES, SILT FENCES WITH A HIGHER AOS, CONSTRUCTION OF A BERM, OR A THICK
- LAYER OF ORGANIC MULCH UPSLOPE OF A SILT FENCE. IF WORK IS TO OCCUR WITHIN THE ORDINARY HIGH WATER MARK OF A STREAM. MOST PROJECTS MUST ISOLATE THE WORK AREA FROM THE STREAM BY DIVERTING THE STREAM OR CONSTRUCTING A COFFERDAM. CERTAIN SMALL PROJECTS THAT PROPOSE ONLY A SMALL AMOUNT OF GRADING MAY NOT REQUIRE ISOLATION SINCE DIVERSIONS TYPICALLY RESULT IN DISTURBANCE AND THE RELEASE OF SOME

SEDIMENT TO THE STREAM. FOR SUCH SMALL PROJECTS, THE POTENTIAL IMPACTS FROM CONSTRUCTION WITH AND WITHOUT A DIVERSION

- 6. IF A STREAM MUST BE CROSSED, A TEMPORARY BRIDGE SHALL BE CONSIDERED RATHER THAN ALLOWING EQUIPMENT TO UTILIZE THE STREAMBED FOR A CROSSING.
- ANY RUNOFF GENERATED BY DEWATERING SHALL BE TREATED THROUGH CONSTRUCTION OF A SEDIMENT TRAP WHEN THERE IS SUFFICIENT SPACE OR BY RELEASING THE WATER TO A WELL-VEGETATED, GENTLY SLOPING AREA. SINCE PUMPS ARE USED FOR DEWATERING, IT MAY BE POSSIBLE TO PUMP THE SEDIMENT-LADEN WATER WELL AWAY FROM THE SURFACE WATER SO THAT VEGETATION CAN BE MORE EFFECTIVELY UTILIZED FOR TREATMENT. A STRAW BALE FILTER SHALL BE PLACED AROUND THE DISCHARGED FROM THE DEWATERING PUMP IF THERE IS NOT SPACE FOR A SEDIMENT TRAP OR 25 FEET OF SUITABLE VEGETATION, OR FILTRATION METHODS SHALL BE REQUIRED.

ESC-4 FINAL SITE STABILIZATION NOTES

- 1. ALL DISTURBED AREAS OF THE SITE SHALL BE VEGETATED OR OTHERWISE PERMANENTLY STABILIZED, AT A MINIMUM, DISTURBED AREAS SHALL BE SEEDED AND MULCHED WITH A HIGH LIKELIHOOD THAT SUFFICIENT COVER WILL DEVELOP SHORTLY AFTER FINAL APPROVAL. MULCH WITHOUT SEEDING IS NOT ADEQUATE TO ALLOW FINAL APPROVAL OF THE PERMIT, EXCEPT FOR SMALL AREAS OF MULCH USED FOR LANDSCAPING, THE ONLY EXCEPTIONS TO THESE REQUIREMENTS ARE LOTS WITHIN A PLAT THAT ARE TO BE DEVELOPED UNDER AN APPROVED RESIDENTIAL PERMIT IMMEDIATELY FOLLOWING PLAT APPROVAL. IN THESE CASES, MULCH AND/OR TEMPORARY SEEDING ARE
- STRUCTURAL MEASURES SUCH AS, BUT NOT LIMITED TO, SILT FENCES, PIPE SLOPES, DRAINS, CONSTRUCTION ENTRANCES, STORM DRAIN INLET PROTECTION, AND SEDIMENT TRAPS AND PONDS SHALL BE REMOVED FROM THE SITE, MEASURES THAT WILL QUICKLY DECOMPOSE SUCH AS BRUSH BARRIERS AND ORGANIC MULCHES, MAY BE LEFT IN PLACE. IN THE CASE OF SILT FENCES, IT MAY BE BEST TO REMOVE FENCES IN CONJUNCTION WITH THE SEEDING, SINCE IT MAY BE NECESSARY TO BRING MACHINERY BACK IN TO REMOVE THEM. THIS WILL RESULT IN DISTURBED SOILS THAT WILL AGAIN REQUIRE PROTECTION. THE DOES INSPECTOR MUST APPROVE AN APPLICANT'S PROPOSAL TO REMOVE FENCING PRIOR TO THE ESTABLISHMENT OF VEGETATION. IN SOME CASES, SUCH AS RESIDENTIAL BUILDING FOLLOWING PLAT DEVELOPMENT, IT MAY BE APPROPRIATE TO LEAVE SOME OR ALL ESC MEASURES FOR USE DURING SUBSEQUENT DEVELOPMENT. THIS SHALL BE DETERMINED ON A SITE-SPECIFIC BASIS.
- ALL PERMANENT SURFACE WATER FACILITIES, INCLUDING CATCH BASINS, MANHOLES, PIPES, DITCHES, CHANNELS, R/D FACILITIES AND WATER QUALITY FACILITIES, SHALL BE CLEANED. ANY OFFSITE CATCH BASIN THAT REQUIRED PROTECTION DURING CONSTRUCTION SHALL ALSO BE
- 4. IF ONLY THE INFRASTRUCTURE OF THE SITE HAS BEEN DEVELOPED (E.G. SUBDIVISIONS AND SHORT PLAT) WITH BUILDING CONSTRUCTION TO OCCUR UNDER A DIFFERENT PERMIT, THEN THE SENSITIVE AREA BUFFERS, SENSITIVE AREA TRACTS OR SENSITIVE AREA SETBACK AREA SHALL BE CLEARLY MARKED AS DESCRIBED IN SECTION D.4.1 IN ORDER TO ALERT FUTURE BUYERS AND BUILDERS.

ESC-5 ROAD AND UTILITIES E.S.C. NOTES

- 1. PHASING THE PROJECT SO THAT THE SITE IS WORKED PROGRESSIVELY FROM END TO END, RATHER THAN CLEARING AND GRUBBING THE ENTIRE LENGTH OF THE PROJECT. THIS RESULTS IN SMALLER EXPOSED AREAS FOR SHORTER DURATIONS, THUS REDUCING THE EROSION
- MULCHING AND VEGETATING CUT AND FILL SLOPES AS SOON AS THEY ARE GRADED. FREQUENTLY, THIS IS DONE AT THE END OF CONSTRUCTION WHEN PAVING OR UTILITY INSTALLATION IS COMPLETE. VEGETATING THESE AREAS AT THE START OF THE PROJECT STABILIZED THOSE AREAS MOST SUSCEPTIBLE TO EROSION.
- PROTECTING ALL CATCH BASIN INLETS WITH CATCH BASIN INSERTS WHEN THESE DO NOT DRAIN TO PONDS OR TRAPS. THIS WILL NOT PROVIDE THE SAME LEVEL OF PROTECTION AS A SEDIMENT POND OR TRAP, BUT CAN REMOVE MOST OF THE SAND-SIZED MATERIAL ENTRAINED IN THE RUNOFF
- 4. PHASING THE PROJECT SO THAT ALL CLEARING AND GRADING IN SENSITIVE AREA BUFFERS OCCURS IN THE DRY SEASON. THIS SUBSTANTIALLY REDUCES THE CHANCE OF EROSION AND ALLOWS FOR RAPID REVEGETATION IN THE LATE SUMMER AND EARLY FALL
- 5. USING FLOCCULENT TO REDUCE THE TURBIDITY OF WATER RELEASED FROM SEDIMENT PONDS, WHEN APPROVED BY THE DEPARTMENT OF
- 6. HIRING A PRIVATE CONSULTANT WITH EXPERTISE IN ESC TO REVIEW AND MONITOR THE SITE.

ESC-6 CONSTRUCTION SEQUENCE

- 1. ATTEND PRE-CONSTRUCTION MEETING.
- 2. FLAG OR FENCE CLEARING LIMITS.
- 3. POST SIGN WITH NAME AND PHONE NUMBER OF ESC SUPERVISOR.
- 4. INSTALL CATCH BASIN PROTECTION IF REQUIRED.
- GRADE AND INSTALL CONSTRUCTION ENTRANCE(S)
- 6. INSTALL PERIMETER PROTECTION (SILT FENCE, BRUSH BARRIER, ETC).
- 7. CONSTRUCT SEDIMENT PONDS AND TRAPS.
- 8. GRADE AND STABILIZE CONSTRUCTION ROADS.
- 9. CONSTRUCT SURFACE WATER CONTROLS (INTERCEPTOR DIKES, PIPE SLOPE DRAINS, ETC.) SIMULTANEOUSLY WITH CLEARING AND GRADING FOR PROJECT DEVELOPMENT.
- 10. MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE CITY OF PORT TOWNSEND STANDARDS AND MANUFACTURER'S
- 11. RELOCATE SURFACE WATER CONTROLS AND EROSION CONTROL MEASURES OR INSTALL NEW MEASURES SO THAT AS SITE CONDITIONS CHANGE THE EROSION AND SEDIMENT CONTROL IS ALWAYS IN ACCORDANCE WITH THE CITY OF PORT TOWNSEND EROSION AND SEDIMENT CONTROL STANDARDS.
- 12. COVER ALL AREAS THAT WILL BE UNWORKED FOR MORE THAN SEVEN DAYS OR TWO DAYS DURING THE WET SEASON WITH STRAW, WOOD
- FIBER MULCH, COMPOST, PLASTIC SHEETING OR EQUIVALENT. 13. STABILIZE ALL AREAS THAT REACH FINAL GRADE WITHIN SEVEN DAYS.
- 14. SEED OR SOD ANY AREAS TO REMAIN UNWORKED FOR MORE THAN 30 DAYS.
- 15. UPON COMPLETION OF THE PROJECT, ALL DISTURBED AREAS MUST BE STABILIZED AND BMP'S REMOVED IF APPROPRIATE

SEED MIXES: THE SEED MIXES LISTED BELOW INCLUDE RECOMMENDED MIXES FOR TEMPORARY SEEDING. THESE MIXES, WITH THE EXCEPTION OF THE WETLAND MIX, SHALL BE APPLIED AT A RATE OF 130 LBS/ACRE. THIS RATE CAN BE REDUCED IF SOIL AMENDMENTS OR SLOW RELEASE FERTILIZERS ARE USED.

% WEIGHT	% PURITY 98	% GERMINATION 90
40	98	90
10	92	85
	¥-	**
10	98	90
10	00	00
	40 40	40 98 40 98 10 92

BIOSWALE SEED MIX (MODIFIED BRIARGREEN,		GUIDE WETLANDS % PURITY	SEED MIX) % GERMINATION
TALL OR MEADOW FESCUE	68	98	90
FESTUCA ARUNDINACEA OR FESTUCA ELATIOR SEASIDE/CREEPING BENTGRASS	10	98	85
AGROSTIS PALUSTRIS MEADOW FOXTAIL	10	90	80
ALEPOCURUS PRATENSIS ALSIKE CLOVER TRIFOLIUM HYBRIDUM	6	98	90
REDTOP AGROSTIS ALBA	6	92	85
WETLANDS SEED MIX	% WEIGHT	% PURITY	% GERMINATION
RED FESCUE FESTUCA RUBRA	35	90	90
REDTOP	35	92	85

SEEDING MAINTENANCE STANDARDS

MEADOW FOXTAIL
ALEPOCURUS PRATENSIS

AGROSTIS ALBA

- 1. ANY SEEDED AREAS THAT FAIL TO ESTABLISH AT LEAST 80 PERCENT COVER WITHIN ONE MONTH SHALL BE RESEEDED. IF RESEEDING IS INEFFECTIVE. AN ALTERNATE METHOD, SUCH AS SODDING OR NETS/BLANKETS, SHALL BE USED. IF WINTER WEATHER PREVENTS ADEQUATE GRASS GROWTH, THIS TIME
- LIMIT MAY BE RELAXED 2. AFTER ADEQUATE COVER IS ACHIEVED, ANY AREAS THAT EXPERIENCE EROSION SHALL BE RESEEDED AND PROTECTED BY MULCH.
- 3. SEEDED AREAS SHALL BE SUPPLIED WITH ADEQUATE MOISTURE, BUT NOT WATERED TO THE EXTENT THAT IT CAUSES RUNOFF

MULCHING

MULCH MATERIAL	QUALITY STANDARDS	APPLICATION RATES
STRAW	AIR-DRIED: FREE FROM UNDESIRABLE SEED AND COARSE MATERIAL	2"-3" THICK; 2-3 BALES 2-3 BALES PER 1000 SQ. FT. OR 2-3 TONS PER ACRE.
WOOD FIBER CELLULOSE	NO GROWTH INHIBITING FACTORS	APPROX. 25-30 LBS. PER 1000 SQ. FT. OR 1000-1500 LBS PER ACRE
COMPOST	NO VISIBLE WATER OR DUST DURING HANDLING. MUST BE PURCHASED FROM SUPPLIER WITH A SOLID WASTE HANDLING PERMIT.	2" THICK MIN.; APPROX. 100 TONS PER ACRE (APPROX. 800 LBS PER YARD)
CHIPPED SITE VEGETATION	AVERAGE SIZE SHALL BE SEVERAL INCHES.	2" MINIMUM THICKNESS

ADAPTOR SKIRT

TRIM TO WITHIN

3" - 5" OF GRATE

GEOTEXTILE FABRIC —

PLACEMENT OF A NEW CATCH BASIN.

GRASS-LINED

INTERCEPTOR SWALE DETAIL

NOT TO SCALE

GENERAL NOTES:

- NOTE: MULCHING TO BE UTILIZED AS REQUIRED TO PREVENT EROSION AS DIRECTED BY THE ENGINEER. MULCHNG MAINTENANCE STANDARDS
- 1. THE THICKNESS OF THE COVER MUST BE MAINTAINED.

APPROVED

12/27/2024

NOTE: THIS APPROVAL IS VALID

FOR 1 YEAR FROM THE DATE OF APPROVAL. THIS APPROVAL IS

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Jeffrey Kostechka, PE

CITY OF PORT TOWNSEND

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DATE:

PUBLIC WORKS DEPARTMENT

SHALL BE FIXED AND THE ERODED AREA REMULCHED.

2. ANY AREAS THAT EXPERIENCE EROSION SHALL BE REMULCHED AND/OR PROTECTED WITH A NET OR BLANKET. IF THE EROSION PROBLEM IS DRAINAGE RELATED, THEN THE PROBLEM

PROVIDE FULL WIDTH OF INGRESS/EGRESS AREA R = 25' MIN4" - 8" QUARRY SPALLS

GENERAL NOTES:

1. ALL MUD AND DEBRIS TRACKED ONTO EXISTING ASPHALTED ROADWAYS SHALL BE SWEPT/CLEANED UP AFTER EACH DAY'S WORK, OR AS REQUESTED BY THE PROJECT ENGINEER AND/OR SKAGIT COUNTY ENGINEERING DEPT.

TEMPORARY CONSTRUCTION ENTRANCE MAINTENANCE STDS.:

- 1. QUARRY SPALLS SHALL BE ADDED IF THE PAD IS NO LONGER IN ACCORDANCE WITH THE SPECIFICATIONS. 2. IF THE ENTRANCE IS NOT PREVENTING SEDIMENT FROM BEING TRACKED ONTO PAVEMENT, THEN ALTERNATIVE MEASURES TO
- KEEP THE STREETS FREE OF SEDIMENT SHALL BE USED. THIS MAY INCLUDE STREET SWEEPING OR AN INCREASE IN THE DIMENSIONS OF THE ENTRANCE. 3. ANY SEDIMENT THAT IS TRACKED ONTO PAVEMENT SHALL BE REMOVED IMMEDIATELY BY SWEEPING. THE PAVEMENT SHALL NOT

BE CLEANED BY WASHING DOWN THE STREET. EXCEPT WHEN SWEEPING IS INEFFECTIVE AND THERE IS A THREAT TO PUBLIC

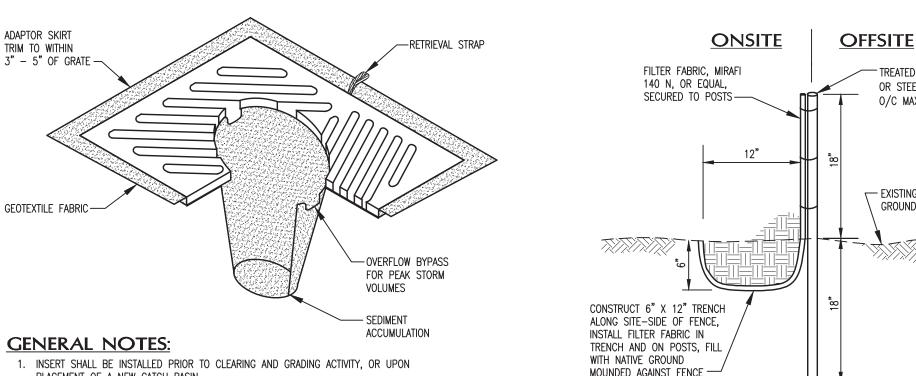
SAFETY. IF IT IS NECESSARY TO WASH THE STREETS, THE CONSTRUCTION OF A SMALL SUMP OR POND SHALL BE

4. ANY ROCK SPALLS THAT ARE LOOSENED FROM THE PAD AND END UP ON THE ROADWAY SHALL BE REMOVED IMMEDIATELY.

CONSTRUCTED AND THE SEDIMENT WASHED INTO THE SUMP OR POND.

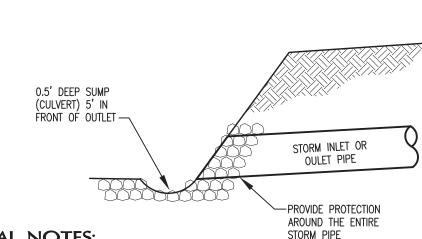
- 5. THE AREA OF THE ENTRANCE SHOULD BE CLEARED OF ALL VEGETATION ROOTS AND OTHER OBJECTIONABLE MATERIAL. THE GRAVEL SHALL BE PLACED TO THE SPECIFIED DIMENSIONS. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHOULD BE CONSTRUCTED ACCORDING TO SPECIFICATIONS IN THE PLANS. IF WASH RACKS ARE USED, THEY SHOULD BE INSTALLED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
- 6. IF CONDITIONS ON THE SITE ARE SUCH THAT MOST OF THE MUD IS NOT REMOVED FROM VEHICLE TIRES BY CONTACT WITH THE GRAVEL. THEN THE TIRES MUST BE WASHED BEFORE VEHICLES ENTER A PUBLIC ROAD. WASH WATER MUST BE CARRIED AWAY FROM THE ENTRANCE TO A SETTLING AREA TO REMOVE SEDIMENT. A WASH RACK MAY ALSO BE USED TO MAKE WASHING MORE CONVENIENT AND EFFECTIVE.
- 7. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE A PERIODIC TOP DRESSING WITH 2-INCH STONE, AS CONDITIONS DEMAND. AND REPAIR AND/OR CLEAN OUT ANY STRUCTURES USED TO TRAP SEDIMENT. ALL MATERIALS SPILLED, DROPPED WASHED OR TRACKED FROM VEHICLES ONTO ROADWAY OR INTO STORM DRAINS MUST BE REMOVED IMMEDIATELY.





2. SEDIMENT SHALL BE REMOVED FROM THE UNIT WHEN IT BECOMES ONE THIRD FULL 3. SEDIMENT REMOVAL SHALL BE ACCOMPLISHED BY REMOVING THE INSERT, EMPTYING, AND RE-INSERTING IT INTO THE CATCH BASIN.





- ALL TEMPORARY DITCHES SHALL HAVE POSITIVE DRAINAGE TO
- GENERAL NOTES: CONSTRUCTED ROAD DITCHES AS INDICATED. QUARRY SPALL PADS SHALL BE CONSTRUCTED TO DISPERSE INLET FLOWS TO REDUCE INLET AND 2. DITCH TO BE GRAVEL LINED WHEN SLOPE GREATER THAN 5.00%. OUTLET VELOCITIES, AND TO PREVENT CONCENTRATED EROSION.
 - 2. SPALLS SHALL BE CAST TO A MINIMUM 8" DPETH, A MINIMUM OF 3x PIPE DIAMETER LENGTH, AND A 2x PIPE DIAMETER WIDTH. THE SPALLS SHALL BE MECHANICALLY COMPACTED SUCH THAT THE TOP OF SPALLS IS SET FLUSH WITH THE PIPE INVERT ELEVATION.
 - 3. QUARRY SPALLS SHALL CONFORM TO SECTION 9-13.6 OF THE 2020 STANDARD SPECIFICATIONS.

NOT TO SCALE

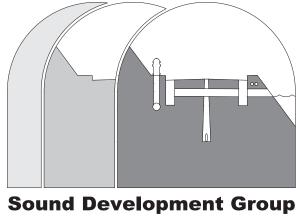
TREATED 2" X 4" WOOD POST

OR STEEL FENCE POST - 10'

O/C MAX.

FXISTING

GROUND



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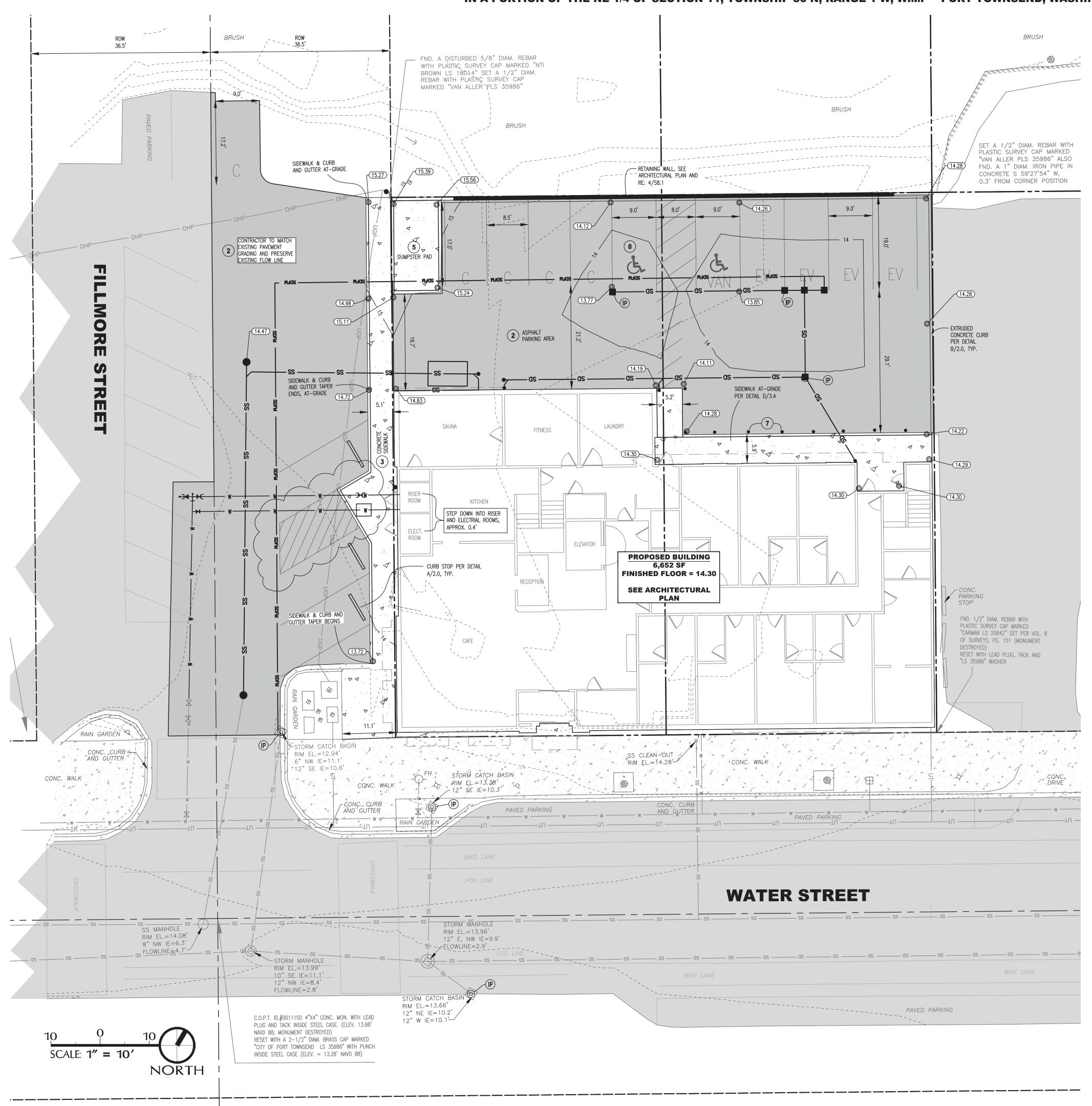
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SIGNED 12.11.2024

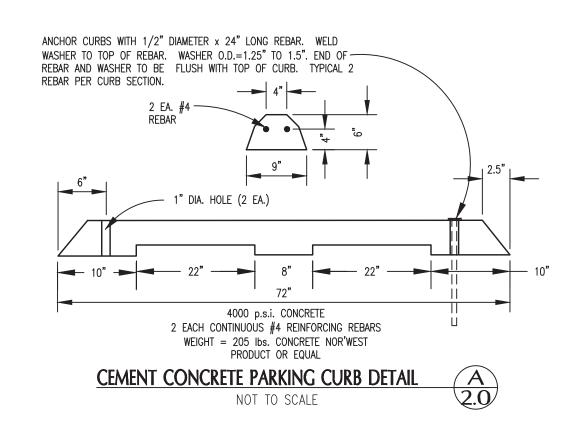
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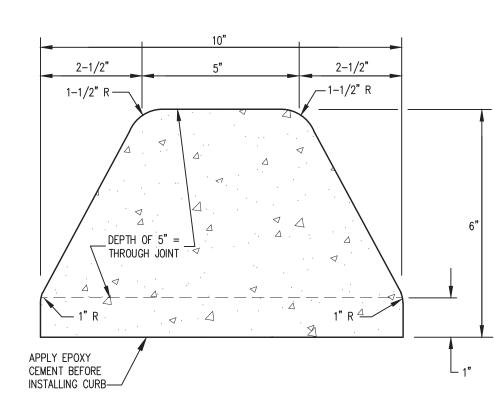
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SITE PLAN NOTES

- 1 SEE ARCHITECTURAL PLAN FOR ALL SITE PLAN INFORMATION INCLUDING BUILDING, SIDEWALK AND PARKING LOT DIMENSIONS AND DETAILS.
- 2 CONTRACTOR TO MATCH EXISTING ASPHALT PARKING ELEVATIONS WHEN REPAVING RIGHT-OF-WAY PER CITY OF PORT TOWNSEND DETAIL T-2 ON SHEET C3.0. PAVEMENT AROUND PROPOSED SEWER MANHOLES IN THE RIGHT-OF-WAY PER CITY DETAIL SS-7 ON SHEET C3.3. CONTRACTOR TO USE ASPHALT SECTIONS PER DETAIL E/3.4 WITHIN PROPERTY BOLINDAPIES
- CONTRACTOR TO INSTALL CONCRETE SIDEWALK, WHERE INDICATED, PER CITY OF PORT TOWNSEND DETAIL T-15 ON SHEET C3.0 AND CONCRETE CURB AND GUTTER ALONG FILLMORE STREET PER CITY DETAIL T-13 ON SHEET C3.0. SIDEWALK WITHIN PROPERTY BOUNDARY TO BE INSTALLED PER DETAIL D/3.4.
- (4) NO OFF-STREET PARKING IS REQUIRED TO BE PROVIDED DUE TO SITE ZONING.
- 5 CONCRETE DUMPSTER PAD DIMENSIONS ON ARCHITECTURAL PLAN, CONCRETE SECTION PER DETAIL C/3.4.
- ANY DAMAGED CURB AND GUTTER WITHIN THE RIGHT-OF-WAY IS TO BE REPLACED BY THE CONTRACTOR PER CITY DETAIL T-13 ON SHEET C3.0 AT THE CONTRACTOR'S EXPENSE.
- 7 BOLLARDS TO BE INSTALLED PER DETAIL H/3.4 AT THE LOCATIONS INDICATED ON ARCHITECTURAL PLANS. LOCATIONS SHOWN ON THESE PLANS ARE FOR ILLUSTRATIVE PURPOSES ONLY.
- 8 ADA-ACCESSIBLE STALLS ON SITE ARE TO BE STRIPED PER DETAIL F/3.4 AND MARKED WITH A POSTED SIGN PER DETAIL G/3.4





JOINTS

JOINTS SHALL BE PLACED AT 10' INTERVALS. JOINTS
SHALL BE CUT VERTICALLY AND TO A DEPTH OF 5 INCHES.

EXTRUDED CONCRETE CURB DETAIL

NOT TO SCALE

APPROVED

Jeffrey Kostechka, PE

CITY OF PORT TOWNSEND

PUBLIC WORKS DEPARTMENT

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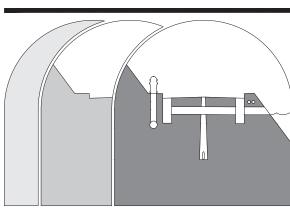
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 NO. DATE
 DESCRIPTION
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 1
 10.24.24
 CITY REVISION
 P.SEVERIN

 2
 11.25.24
 CITY REVISION
 P.SEVERIN

CALL 48 HOURS BEFORE YOU DIG 1.800.424.5555

> ATER STREE HOTEL FOR

> > ADING & SITE PLA

A S2226 DE SS/ONAL ENGINE

SIGNED 12.11.2024

SCALE:	NO SCALE
DRAWN BY:	C.SEVERIN
DESIGNED BY:	P.SEVERIN
DATE:	03.05.2024
JOB NUMBER:	24013
DWG NAME:	24013PLN.DWG

C2.0

SHEET NUMBER:

STORMWATER NOTES

- CONTRACTOR TO INSTALL TYPE I & IL CATCH BASINS AND STANDARD GRATES PER WSDOT STANDARD PLAN B-5.20-03 AND PLAN B-5.40-02
- CONTRACTOR TO COORDINATE DOWNSPOUT LOCATIONS WITH ARCHITECT. DOWNSPOUT LINES WILL CONNECT TO CATCH BASIN 3 AT THE INVERTS STATED BELOW, INDICATED WITH (DS). CONTRACTOR TO DETERMINE PIPE LENGTHS AND FITTINGS FOR DOWNSPOUTS. ADJUSTMENTS TO INVERT ELEVATIONS MAY BE MADE IN THE FIELD IF, AND ONLY IF, AT LEAST 1.5' OF COVER OVER THE DOWNSPOUT LINES IS MAINTAINED AND MINIMUM PIPE SLOPES ARE FOLLOWED (S = 0.010 MIN FOR 6" PIPES). CONFIRMATION WITH ENGINEER IS REQUIRED PRIOR TO INVERT CHANGES. CLEANOUTS TO BE INSTALLED PER DETAIL A/3.4
- THE STORMWATER PUMP STATIONS TO BE INSTALLED IN CB 3 AND CB 4 ARE ZOELLER MODEL 53 PUMPS AND ARE INSTALLED PER DETAIL B/3.4. CONTRACTOR TO PROVIDE POWER TO PUMP STATIONS. CONTRACTOR TO PROVIDE ALL NECESSARY FITTINGS FOR THE 8" STORMWATER FORCEMAIN, INCLUDING BUT NOT LIMITED TO 2.5" PVC
- WYES AND 2.5" 90° PVC BENDS. FORCEMAIN TO ENTER EXISTING CATCH BASIN ON FILLMORE STREET AT AN INVERT ELEVATION NO
- **CB 1** TYPE I CB, STD GRATE RIM = 13.75IE 8" PVC OUT, N = 11.08
- TYPE I CB, STD GRATE STORMFILTER RIM = 13.65IE 8" PVC IN, S = 10.70
- **CB 3** TYPE IL CB, STD GRATE, PUMP STATION 1 IE 8" PVC IN, S = 10.63 IE 6" PVC IN, E (DS) = 10.63 IE 2.5" POLY TUBE OUT, W = 11.50
- **CB 5** BURLINGTON CB, STD GRATE RIM = 14.02IE 6" PVC IN, S = 11.15 IE 6" PVC IN, E = 11.60 IE 6" PVC OUT, W = 11.15
- **CB 4** TYPE IL CB, STD GRATE PUMP STATION 2 RIM = 13.83IE 8" PVC IN, S = 11.10 IE 2.5" POLY TUBE OUT, W = 11.50

CALL 48 HOURS

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11.25.24 CITY REVISION

00

P.SEVERIN

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- ALL INVERTS ARE APPROXIMATE, AS CONFLICTS WITH EXISTING UTILITIES MAY ARISE. CONTRACTOR TO FOLLOW GENERAL UTILITY **BEFORE YOU DIG** NOTE 1 AND IS TO CONTACT THE ENGINEER IMMEDIATELY REGARDING UTILITY CONFLICTS.

- CONTRACTOR TO INSTALL ALL SEWER ELEMENTS WITH MINIMUM SEPARATIONS FROM WATER LINES PER DETAIL A/2.1. WHERE VERTICAL SEPARATIONS CANNOT BE MET, CONTRACTOR IS TO CENTER PIPE LENGTHS AT CROSSINGS. CONTRACTOR TO INSTALL ON-SITE CLEANOUTS PER DETAIL A/3.4 AND CLEANOUTS WITHIN THE RIGHT-OF-WAY PER CITY DETAIL SS-4
- CONTRACTOR TO INSTALL AND CHANNEL ALL SEWER MANHOLES PER CITY DETAILS SS-3, SS-5 ON SHEET C3.2 AND SS-7, SS-11 ON
- CONTRACTOR TO FOLLOW CITY SINGLE SERVICE DETAIL SS-1A ON SHEET C3.2 FOR SEWER SERVICE FROM GREASE TRAP/INTERCEPTOR TO MH 2 AND FROM THE BUILDING PLUMBING TO THE EXISTING SEWER STUB OFF OF WATER STREET. SEWER TRENCH SECTION AND PAVEMENT RESTORATION WITHIN RIGHT-OF-WAY PER CITY DETAIL SS-2A, SEWER PIPE BEDDING WITHIN
- RIGHT-OF-WAY PER CITY DETAIL SS-2B, BOTH ON SHEET C3.2. GREASE TRAP/INTERCEPTOR SIZE AND MODEL IS TO BE DETERMINED BY OTHERS; VAULT SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.
- (\$1) INSTALL 3 LF 6" PVC PIPE FROM EXISTING CLEANOUT TO BUILDING, S = 0.02 MIN.
- (\$2) INSTALL SEWER MAINTENANCE HOLE ON END OF EXISTING 8" PUBLIC MAIN ON FILLMORE STREET, SEE CHANNELING NOTE ABOVE INSTALL 66 LF 8" PVC PIPE, S = 0.004 MIN (W) - PUBLIC SEWER EXTENSION
 - INSTALL 2 LF 8" PVC PIPE, S = 0.004 MIN (W) TO MAINTENANCE HOLE INSTALL SEWER MAINTENANCE HOLE, SEE CHANNELING NOTE ABOVE
- INSTALL 28 LF 6" PVC PIPE, S = 0.02 MIN (N) PRIVATE SEWER CONNECTION OFF OF WYE
- INSTALL 6" PVC TEE-WYE WITH CLEANOUT PER DETAIL SS-4 ON SHEET C3.2 INSTALL 7 LE 6" PVC-RIPE, S = 0.02 MIN TO GREASE INTERCEPTOR/TRAP
- (\$3) INSTALL GREASE INTERCEPTOR/TRAP VAULT; INTERCEPTOR MODEL, SIZE AND VAULT TO BE SUPPLIED BY OTHERS. INSTALL 2 LF 6" PVC PIPE, S = 0.02 MIN (N)
- INSTALL 6" PVC TEE-WYE WITH CLEANOUT PER DETAIL A/3.4 INSTALL 3 LF 6" PVC PIPE, S = 0.02 MIN TO BUILDING

WATERLINE NOTES

- ALL JOINTS TO BE RESTRAINED FOR THE ENTIRETY OF NOTE W1. HORIZONTAL THRUST BLOCKS PER DETAIL 2-10 ON SHEET C3.1 FIXTURES TO BE INSTALLED WITHIN THE BUILDING'S MECHANICAL/RISER ROOM INCLUDE A 6" DOUBLE-CHECK DETECTOR ASSEMBLY (FIRE LINE) AND REDUCED PRESSURE BACKFLOW ASSEMBLY (DOMESTIC) PER CITY OF PORT TOWNSEND STANDARDS. SEE MECHANICAL PLAN FOR ADDITIONAL INFORMATION.
- CONTRACTOR TO INSTALL ALL WATERLINE ELEMENTS WITH REASONABLE SEPARATION FROM OTHER UTILITIES, AND PER DETAIL A/3.1 FOR SEWER. WHERE VERTICAL SEPARATIONS CANNOT BE MET, CONTRACTOR TO CENTER PIPE LENGTHS OVER THE SEWER. CONTRACTOR TO INSTALL BLOW-OFF ASSEMBLIES, PERFORM PRESSURE AND BACTERIOLOGICAL TESTING, AND OBTAIN THE CITY OF
- PORT TOWNSEND'S APPROVAL PRIOR TO CONNECTING THE PROPOSED WATERLINE TO ANY PORTION OF THE EXISTING WATER DISTRIBUTION SYSTEM. PERMANENT BLOW-OFF ASSEMBLY PER CITY DETAIL 2-8 ON SHEET C3.1. WATER VALVE BOXES AND THEIR EXTENSIONS PER CITY DETAIL 2-6 ON SHEET C3.1.
- CITY WATER CONSTRUCTION NOTES PER DETAILS 2-16 AND 2-17 ON SHEET C3.1
- 41 LF 6" D.I. PIPE TO ADAPTER
- 1 6" D.I. FL X MJ ADAPTER 1 - 6" D.I. FL TEE, THRUST BLOCK 1 - 6" X 2" D.I. REDUCER, FL X MJ (SW OF TEE)
- 1 BLOWOFF ASSEMBLY PER CITY DETAIL 2-8 ON SHEET C3.1 ALL JOINTS RESTRAINED
- (W2) 1 6" D.I. GATE VALVE, FL X MJ (NE OF TEE) 33 LF 6" D.I. PIPE TO VALVE 1 - 6" POST INDICATOR VALVE PER DETAIL J/3.4. 8 LF 6" D.I. PIPE TO BUILDING
- (W3) REDUCED PRESSURE BACKFLOW ASSEMBLY MODEL AND SIZE TO BE DETERMINED BY OTHERS. DOUBLE-CHECK DETECTOR ASSEMBLY MODEL AND SIZE TO BE DETERMINED BY OTHERS. RPBA AND DCDA TO BE INSTALLED INSIDE THE RISER ROOM. LAYOUT OF MECHANICAL ROOM TO BE DETERMINED BY OTHERS. FLOOR DRAIN TO BE SHOWN ON ARCHITECTURAL / PLUMBING PLANS.
- CONNECTION TO EXISTING MAIN PER CITY DETAIL 2-5 ON
 SHEET C3.0

 W4

 FIRE DEPARTMENT CONNECTION TO BE INSTALLED ON THE
 EXTERIOR WALL OF THE RISER ROOM PER CITY DETAIL 2-14 ON SHEET C3.1
 - (W5) SINGLE WATER SERVICE CONNECTION PER CITY DETAIL 2-2 ON SHEET C3.0 33 LF 2" POLYTUBE/SERVICE LINE TO METER 1 - 2" DOMESTIC METER PER CITY DETAIL 2-2 6 LF 2" POLYTUBE/SERVICE LINE TO RISER ROOM
 - (W6) CITY OF PORT TOWNSEND PUBLIC WORKS TO CAP EXISTING WATER SERVICE AT PROPERTY LINE, SIZE OF EXISTING LINE UNKNOWN.

GENERAL UTILITY NOTES

- (1) CONTRACTOR TO LOCATE AND VERIFY ALL SIZES, LOCATIONS, INVERTS AND MATERIALS OF EXISTING UTILITIES. NOTIFY ENGINEER IMMEDIATELY SHOULD ANY DISCREPANCIES OCCUR. CONTRACTOR TO COORDINATE WITH ALL FRANCHISE UTILITIES.
- ig(2ig) ELECTRIC VEHICLE (EV) CHARGING STATION AND 1-2" CONDUIT FOR FUTURE CHARGING STATION(S) TO BE INSTALLED BY THE CONTRACTOR WHERE INDICATED ON THESE PLANS, SEE ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.
- (3) ALL UTILITIES ARE TO BE CONNECTED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE DIRECTED BY THE CITY OF PORT TOWNSEND. CONTRACTOR IS RESPONSIBLE FOR COORDINATING UTILITY AND ROAD SHUT-DOWN PERIODS TO THE CITY OF PORT TOWNSEND, UTILITY PURVEYORS, AND AFFECTED CUSTOMERS. CONTRACTOR IS RESPONSIBLE FOR ALL SAWCUTS, EXCAVATION, REMOVAL OF MATERIALS, CONNECTIONS, BACKFILL, COMPACTION, RESTORATION, RESURFACING AND OTHER WORK AS NECESSARY FOR PROJECT COMPLETION. CONTRACTOR TO PROVIDE A TRAFFIC CONTROL PLAN, APPROVED BY THE CITY OF PORT TOWNSEND. CONTRACTOR TO PROVIDE DOCUMENTATION FOR MATERIAL SOURCES AND THE DUMP SITE, SUBJECT TO THE
- (4) CONTRACTOR TO EXCAVATE, FILL AND COMPACT UTILITY TRENCHES ON SITE PER DETAIL 1/3.4.

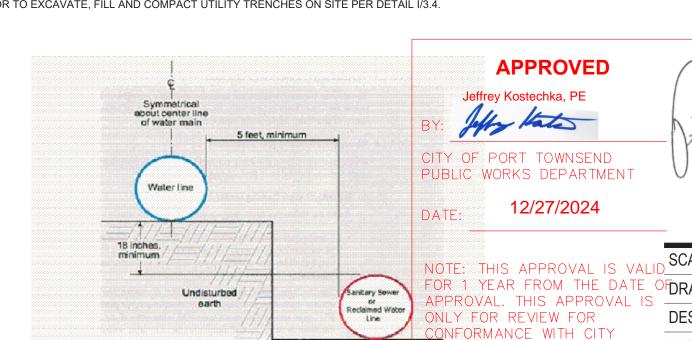


Figure C1-3 Required Separation between Water Lines and Sanitary Sewers, Unusual T Conditions Parallel Construction FOR ERRORS AND/OR OMISSION DWG NAME: THESE PLANS. FIELD ANDITIONS MAY NECESSITATE SHEET NUMBER: DOE MINIMUM SEPARATIONS

1" = 10' SCALE: OFDRAWN BY: **C.SEVERIN DESIGNED BY P.SEVERIN** DATE: 03.05.2024 JOB NUMBER 24013

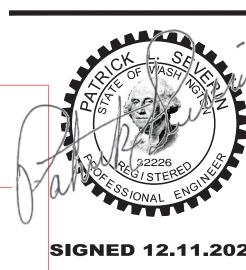
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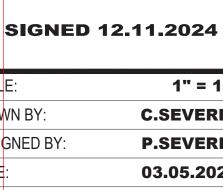
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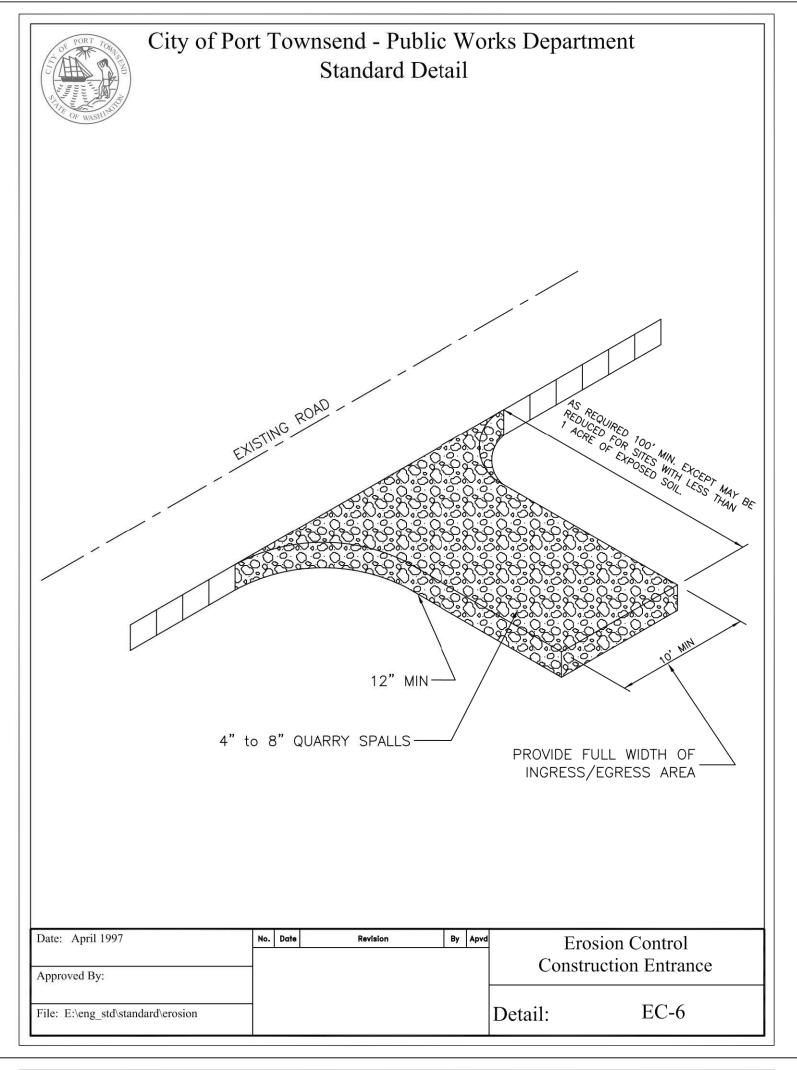
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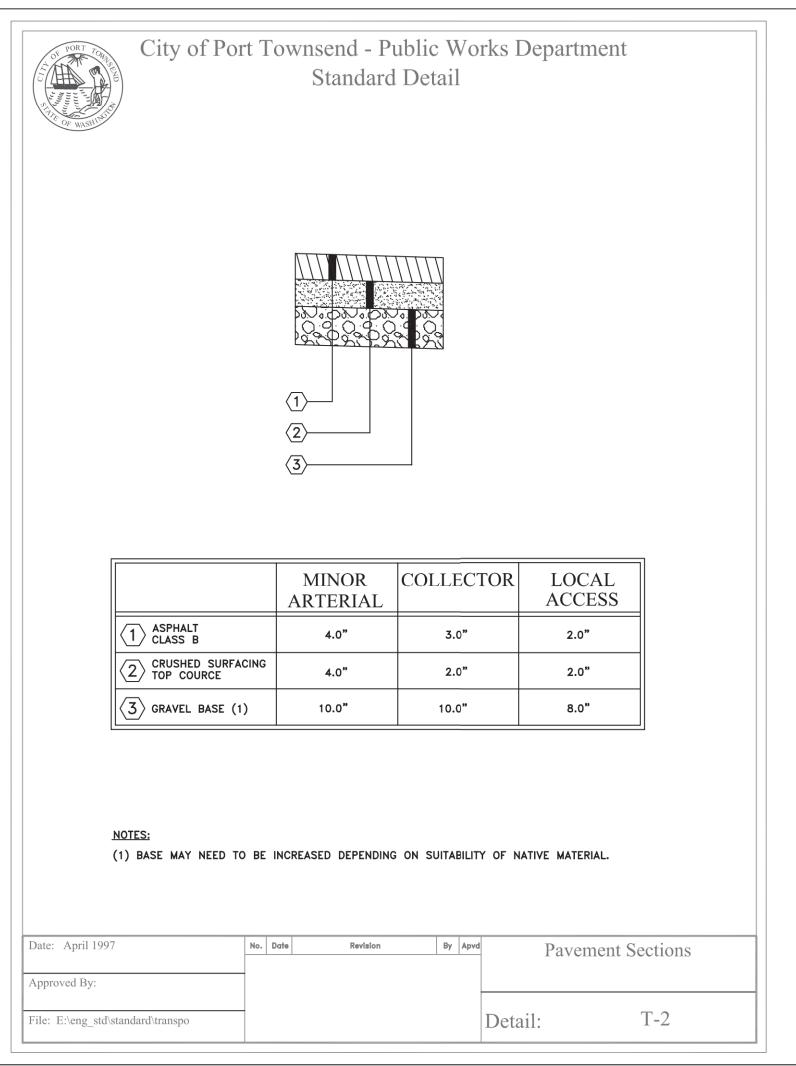


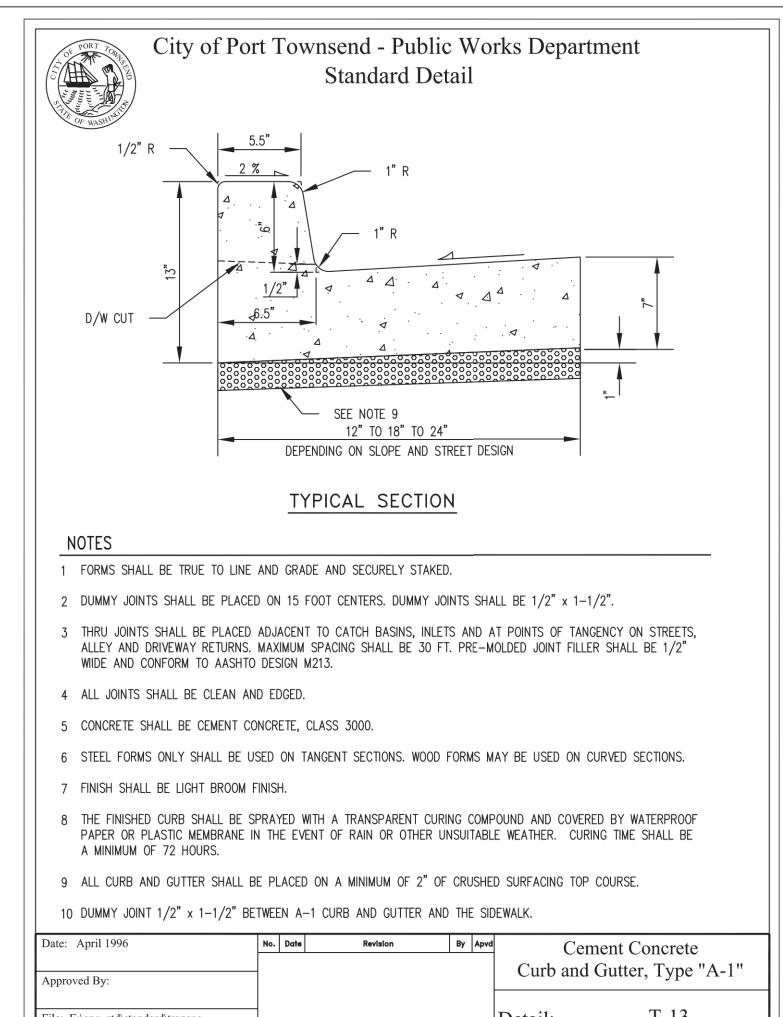
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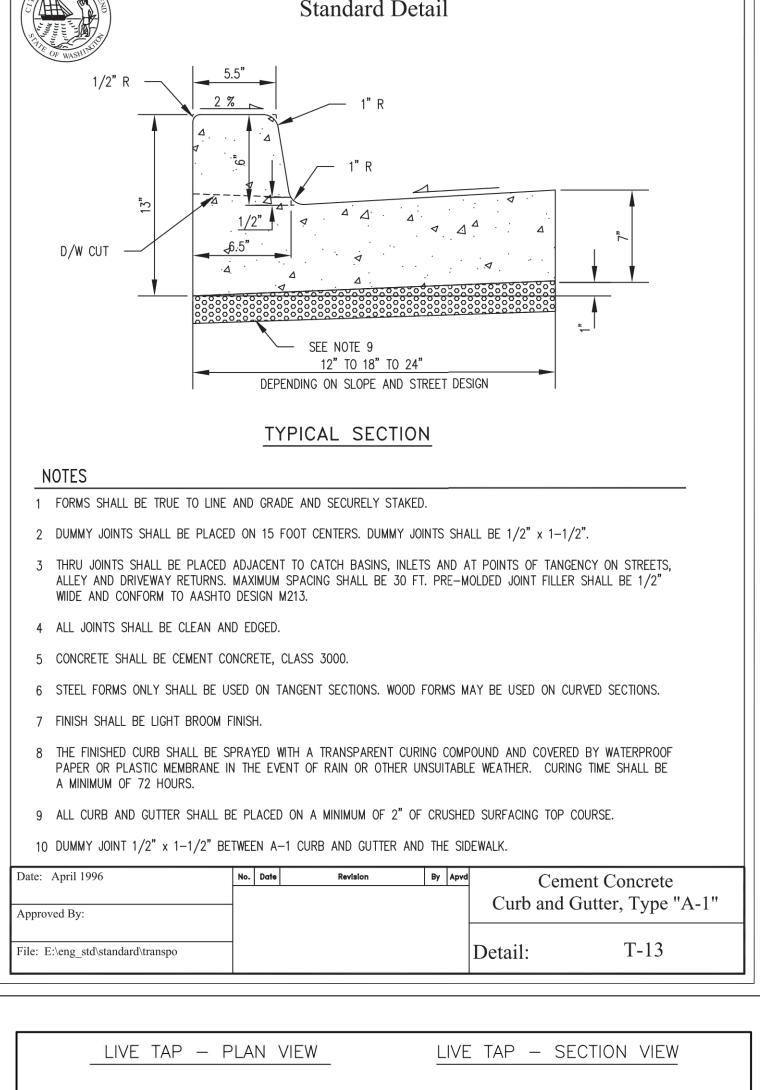


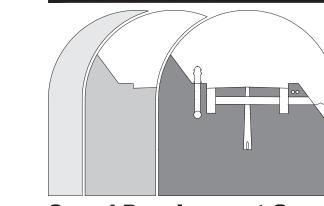
Date: April 1997

Approved By:







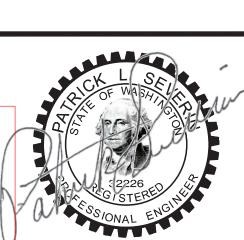


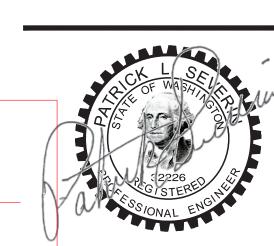
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Mount Vernon, WA 98273 Tel: 360-404-2010 10.24.24 CITY REVISION 11.25.24 CITY REVISION P.SEVERIN P.SEVERIN

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\$E PLANS. FIELD

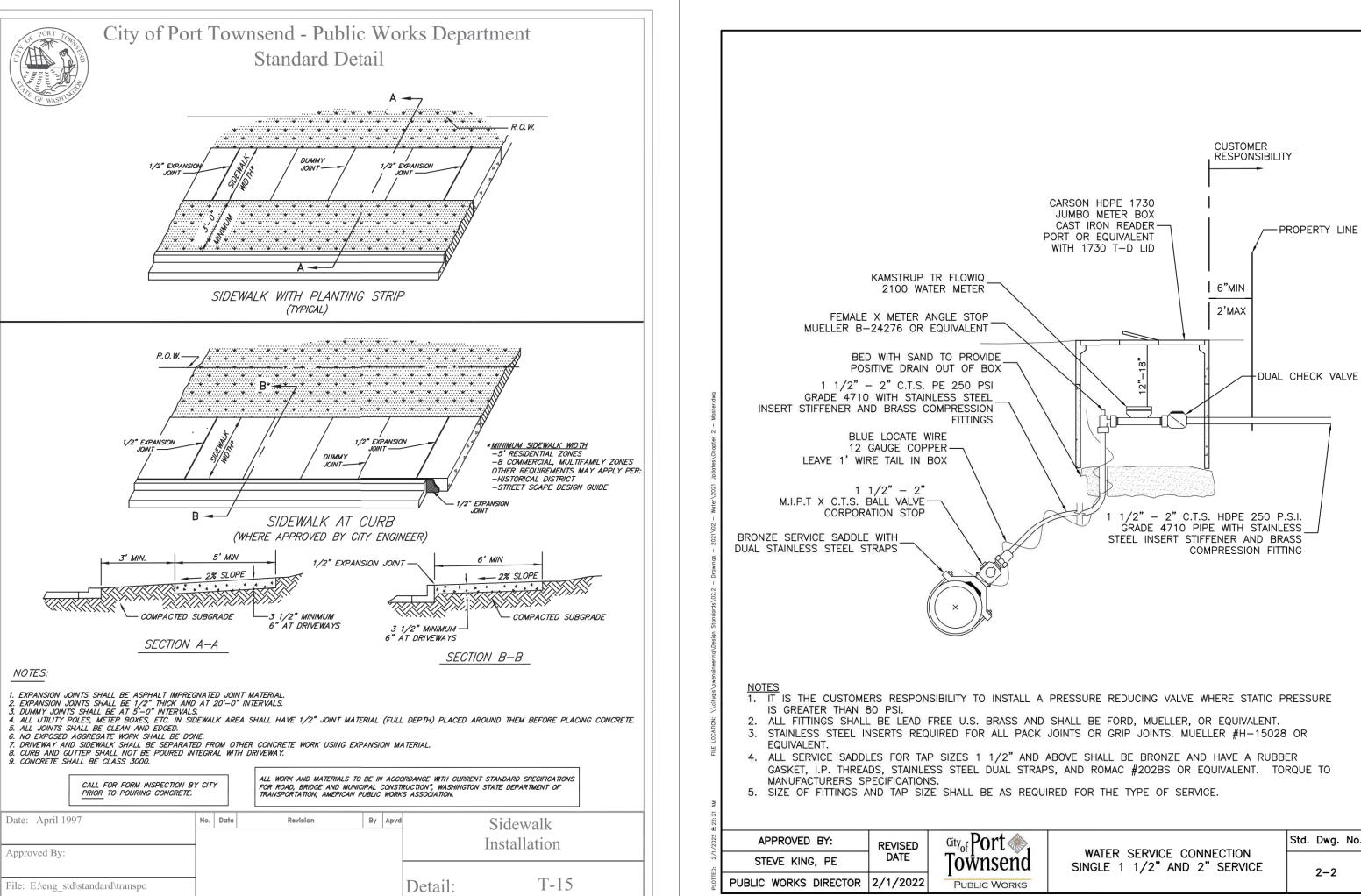
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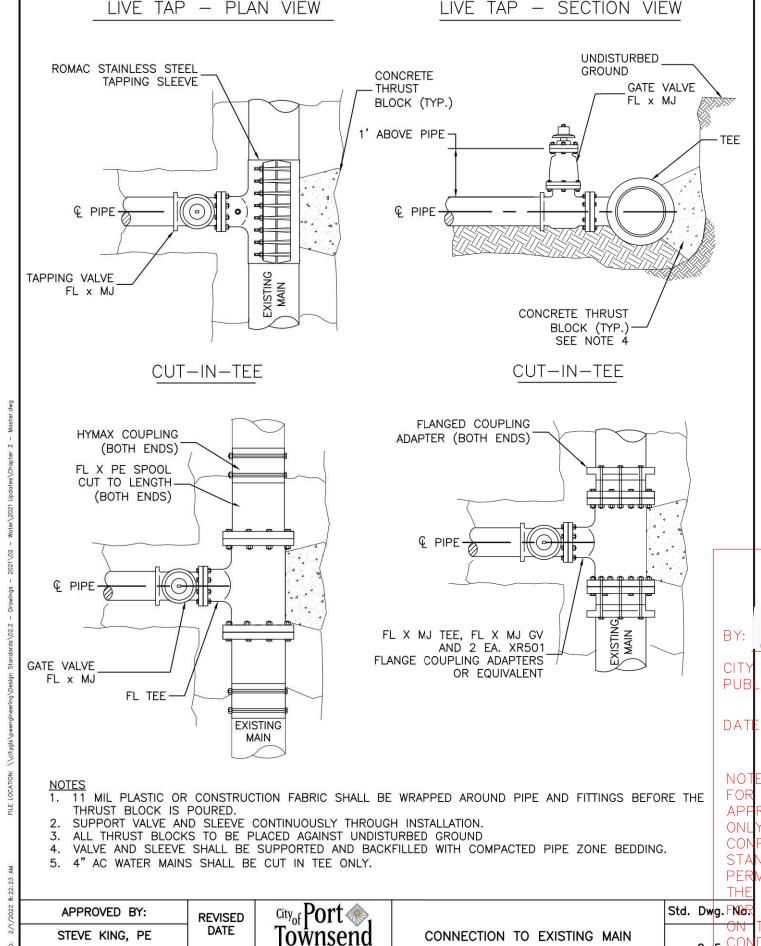
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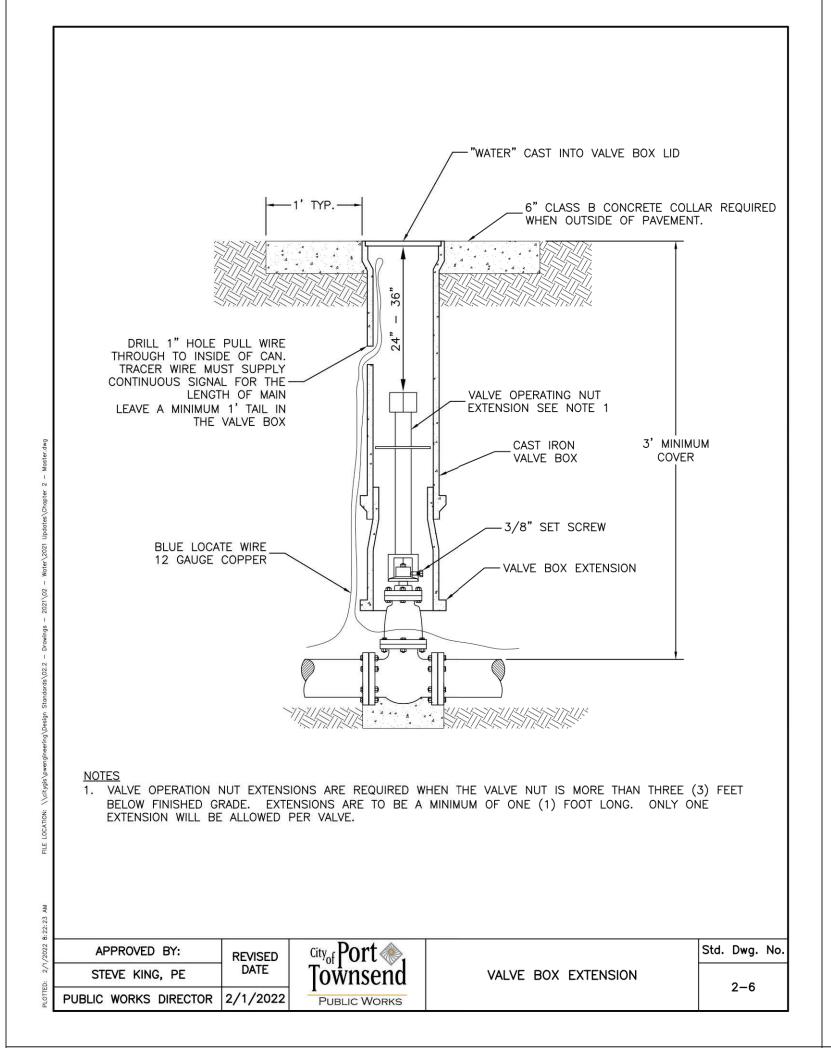
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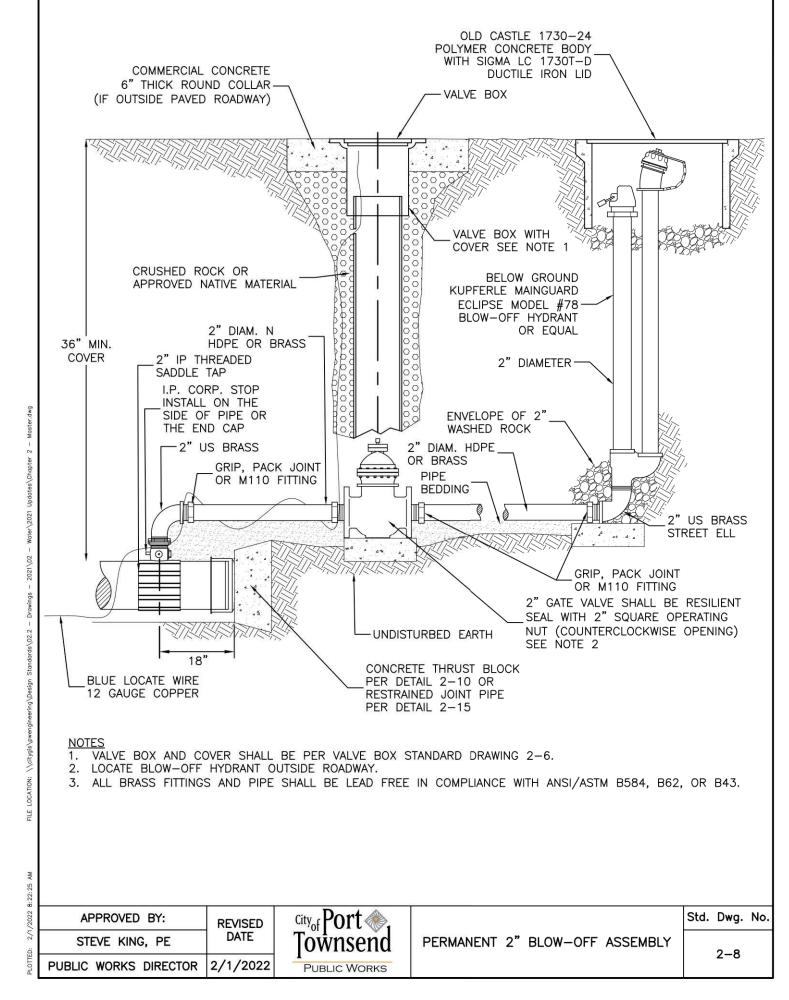
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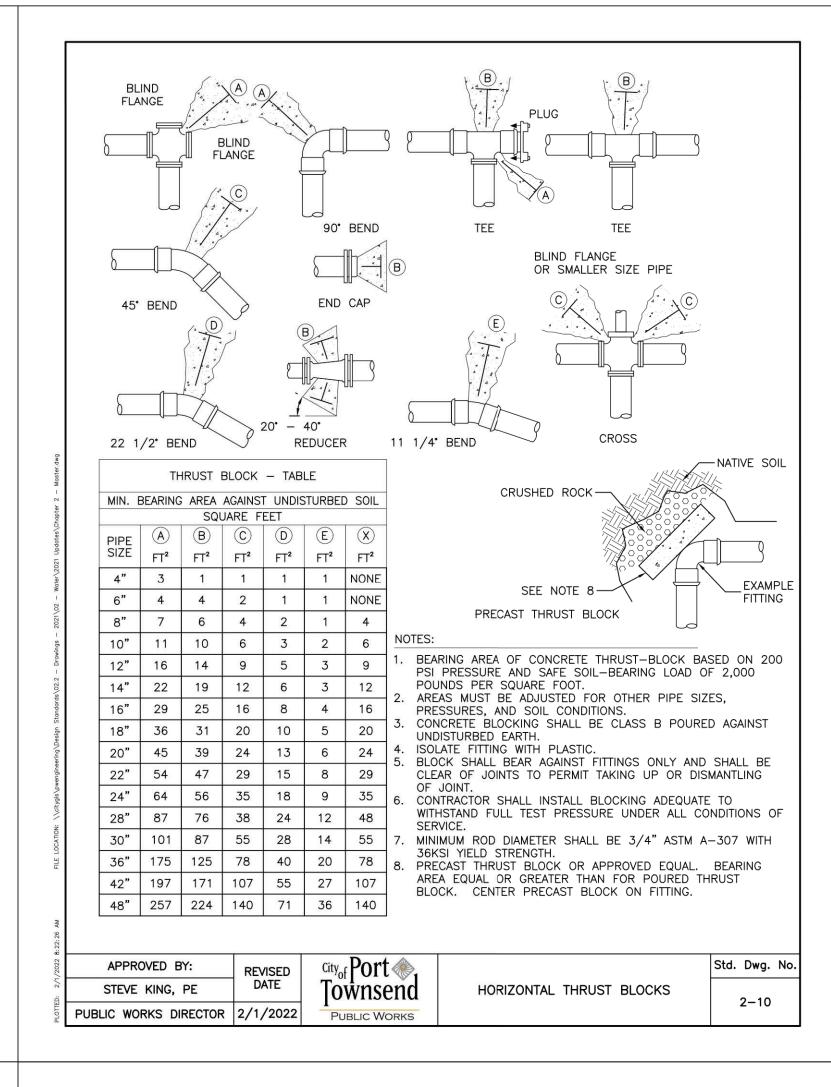


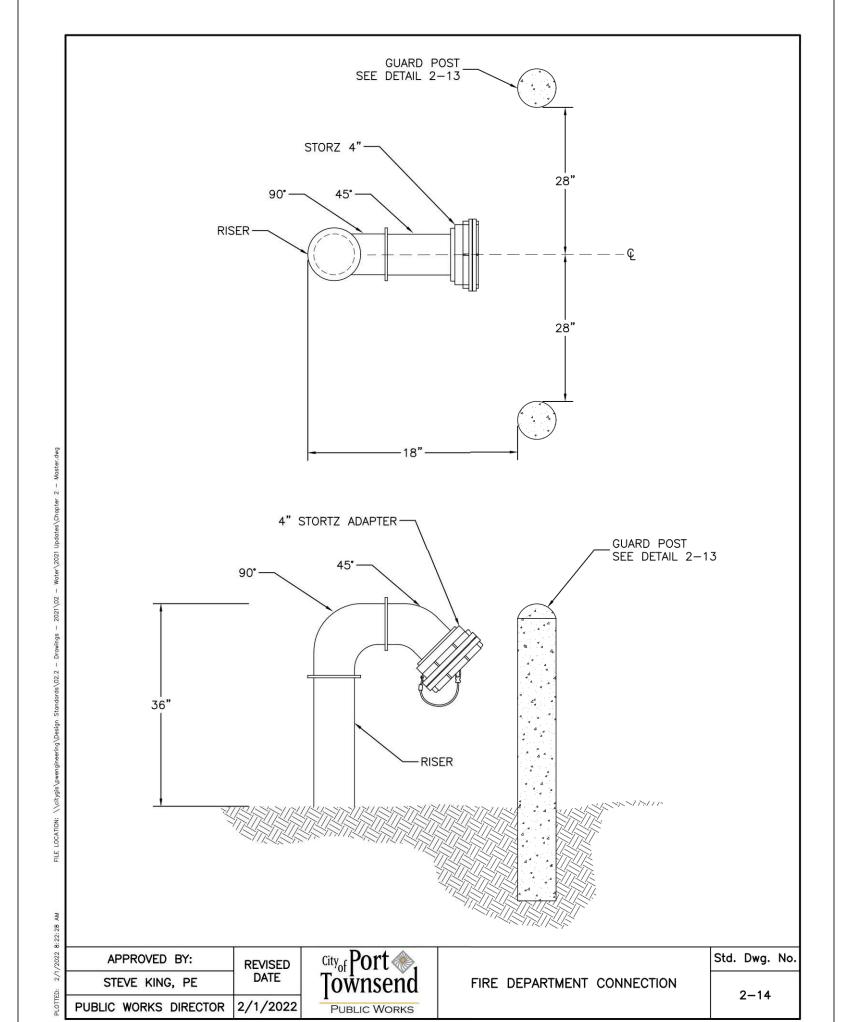


PUBLIC WORKS DIRECTOR 2/1/2022









CONSTRUCTION NOTES:

- 1. A PRE-CONSTRUCTION MEETING IS REQUIRED PRIOR TO CONSTRUCTION AND NO LESS THAN 5 BUSINESS DAYS ADVANCE NOTIFICATION OF THE CITY OF PORT TOWNSEND, AND ALL AFFECTED UTILITY COMPANIES PRIOR TO THE ACTUAL START OF WORK.
- 2. ONLY LEAD FREE FORD & MUELLER PRODUCTS ARE APPROVED FOR SERVICE BRASS, UNLESS OTHERWISE NOTED IN THESE DETAILS. 3. LOCATIONS OF EXISTING UTILITIES SHOWN ON THE PLANS ARE ESTIMATED UNLESS STATED OTHERWISE. THE
- CONTRACTOR SHALL VERIFY, LOCATE AND PROTECT ALL UTILITIES WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL REPLACE OR REPAIR ANY UTILITIES DAMAGED DURING CONSTRUCTION. SHOW ALL ENCOUNTERED UTILITIES ON THE AS-BUILTS. CALL 811 FOR UTILITY LOCATES.
- 4. THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF THE RIGHT-OF-WAY/STREET CONSTRUCTION PERMIT AS ISSUED BY THE CITY OF PORT TOWNSEND, JEFFERSON COUNTY, OR WASHINGTON STATE DOT FOR THIS PROJECT. TRAFFIC CONTROL SHALL FOLLOW THE ROAD AGENCY'S CODES AND STANDARDS.
- 5. ALL WATER MAIN APPURTENANCES, AND THRUST BLOCKS SHALL BE INSPECTED BY THE CITY OF PORT TOWNSEND BEFORE BURY.
- 6. WATER MAIN TRENCH SECTION AND ALL EXCAVATED AREAS SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE STANDARD DETAILS. COMPACTION TESTING IS REQUIRED DURING BACKFILLING OPERATIONS AT THE DISCRETION OF THE CITY OF PORT TOWNSEND. IF TRENCH BACKFILL DOES NOT MEET COMPACTION REQUIREMENTS, CONTRACTOR SHALL EXCAVATE, RE-COMPACT AND RE-TEST MATERIAL AT CONTRACTOR'S EXPENSE.
- RESTORATION OF DAMAGED ROAD SURFACING SHALL BE IN ACCORDANCE WITH CITY OF PORT TOWNSEND REQUIREMENTS, ALL OTHER AREAS SHALL BE RESTORED TO ORIGINAL CONDITION OR AS DIRECTED BY THE CITY OF PORT TOWNSEND. THIS INCLUDES SHOULDERS, LANDSCAPING, WALLS, FENCES AND OTHER IMPROVEMENTS.
- 8. PROVIDE A SANITARY GAP BETWEEN THE EXISTING AND NEW WATER SYSTEMS. THE CITY OF PORT TOWNSEND WILL TAKE A WATER SAMPLE FROM THE MAIN AFTER DISINFECTION. CONNECTION TO THE EXISTING WATER SYSTEM SHALL BE PERFORMED BY THE CONTRACTOR ONLY AFTER COMPLETING AN ACCEPTABLE HYDROSTATIC PRESSURE TEST AND THE PIPELINE IS DISINFECTED, FLUSHED, AND RECEIPT OF APPROVAL OF WATER QUALITY TEST RESULTS FROM THE LAB.
- 10. A RUBBER PIPE PLUG SHALL BE USED ANY TIME THE PIPE TRENCH IS LEFT UNATTENDED TO PROTECT AGAINST SOIL INTRUSION AND FLOODING OF THE PIPE. OPEN ENDS OF VALVES SHALL BE PLUGGED OR BAGGED UNTIL
- 11. NO OTHER PARALLEL UTILITIES SHALL BE INSTALLED WITHIN 36" HORIZONTALLY OF ANY ACTIVE WATER LINE UNLESS OTHERWISE APPROVED BY THE CITY.
- 12. CONTRACTOR SHALL POTHOLE A SUFFICIENT DISTANCE AHEAD OF PIPELAYING TO VERIFY DEPTH OF EXISTING
- WATER MAINS AND CROSSING UTILITIES AND TO ANTICIPATE ANY NECESSARY CHANGES IN FITTINGS OR
- TOWNSEND BEFORE WATER SERVICE WILL BE PROVIDED. 14. DEFLECTION AT PIPE AND FITTING JOINTS WILL BE ALLOWED UP TO 5.0° PER JOINT OR AS RECOMMENDED BY

13. ALL EASEMENTS SHALL BE RECORDED, AND AN AS-BUILT RECORD MUST BE SUBMITTED TO THE CITY OF PORT

- MANUFACTURER, WHICHEVER IS LESS.
- 15. ALL WATER PIPE SHALL BE CLASS 52 DUCTILE IRON.
- 16. ALL CONTRACTORS WORKING WITHIN THE RIGHT-OF-WAY OR ON EXISTING CITY OF PORT TOWNSEND INFRASTRUCTURE SHALL BE LICENSED, BONDED AND HAVE EXPERIENCE INSTALLING PUBLIC DOMESTIC WATER SYSTEMS AND BE PREPARED TO PRESENT EXAMPLES OF 5 SUCH PROJECTS UPON REQUEST BY THE CITY OF PORT TOWNSEND.

CONTINUED ON NEXT PAGE.....

EXTENDED WITH PIPE.

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/2022	APPROVED BY:	REVISED	VISED City Port		Std. Dwg. No.
D: 2/1	STEVE KING, PE	DATE	Townsend	CONSTRUCTION NOTES 1	2-16
PLOTTE	PUBLIC WORKS DIRECTOR	2/1/2022	PUBLIC WORKS		2-16
		*			

CONSTRUCTION NOTES:

- 17. CONTRACTOR TO PROVIDE NO LESS THAN 5 BUSINESS DAYS NOTICE TO THE CITY OF PORT TOWNSEND PRIOR TO ANY REQUESTED SHUT DOWN. THE CITY OF PORT TOWNSEND WILL PROVIDE NOTICE TO CUSTOMERS 48 HOURS IN ADVANCE OF OUTAGE.
- 18. RESTRAINTS, GASKETS, OR RESTRAINED PIPES (PORTIONS GOUGED BY RESTRAINTS) MAY NOT BE REUSED ONCE ASSEMBLED.

PRESSURE TESTING

APPROVED BY:

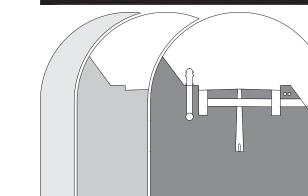
STEVE KING, PE

PUBLIC WORKS DIRECTOR 2/1/2022

REVISED

PIPE IS IN SATISFACTORY CONDITION.

- WATER MAIN APPURTENANCES AND SERVICE CONNECTIONS TO THE METER SHALL BE TESTED IN SECTIONS OF UP TO 500 FEET IN LENGTH UNDER A HYDROSTATIC PRESSURE OF 225 PSI. PUMPS, GAUGES, PLUGS, SADDLES, CORPORATION STOPS, MISCELLANEOUS HOSE AND PIPING, AND MEASURING EQUIPMENT NECESSARY FOR PERFORMING THE TEST SHALL BE FURNISHED AND OPERATED BY THE CONTRACTOR.
- 2. THE MAINS SHALL BE FILLED WITH WATER AND ALLOWED TO STAND UNDER PRESSURE A SUFFICIENT LENGTH OF TIME TO ALLOW THE ESCAPE OF AIR AND ALLOW THE LINING OF THE PIPE TO ABSORB WATER.
- 3. THE TEST SHALL BE ACCOMPLISHED BY PUMPING THE MAIN UP TO THE REQUIRED PRESSURE, STOPPING THE PUMP FOR 15 MINUTES, AND THEN PUMPING THE MAIN UP TO THE TEST PRESSURE AGAIN. DURING THE TEST, THE SECTION BEING TESTED SHALL BE OBSERVED TO DETECT ANY VISIBLE LEAKAGE. THE TEST WILL BE
- COMPLETE WHEN THERE IS NO APPRECIABLE LOSS IN PRESSURE DURING THE 15 MINUTE TEST PERIOD. 4. ANY VISIBLE LEAKAGE DETECTED SHALL BE CORRECTED BY THE CONTRACTOR REGARDLESS OF THE ALLOWABLE LEAKAGE. SHOULD THE TESTED SECTION FAIL TO MEET THE PRESSURE TEST SUCCESSFULLY AS SPECIFIED, THE CONTRACTOR SHALL, AT NO ADDITIONAL EXPENSE TO THE CONTRACTING AGENCY, LOCATE AND REPAIR THE
- DEFECTS AND THEN RETEST THE PIPELINE. 5. THE PRESSURE TEST WILL BE WITNESSED BY THE CITY AND SCHEDULED NO LESS THAN 48 HOURS IN ADVANCE. PRIOR TO CALLING OUT THE CITY, THE CONTRACTOR SHALL HAVE ALL EQUIPMENT SET UP COMPLETELY READY FOR OPERATION AND SHALL HAVE SUCCESSFULLY PERFORMED THE TEST TO ENSURE THE
- 6. FOR PIPE LENGTHS LONGER THAN 500 FEET, THE QUANTITY OF WATER REQUIRED TO RESTORE THE PRESSURE SHALL BE ACCURATELY DETERMINED BY PUMPING THROUGH A POSITIVE DISPLACEMENT WATER METER. THE METER SHALL BE APPROVED BY THE CITY. THE QUANTITY OF WATER LOST FROM THE MAIN SHALL NOT EXCEED THE NUMBER OF GALLONS PER HOUR AS DETERMINED BY THE FORMULA IN THE WSDOT STANDARD SPECIFICATIONS SECTION 7.09.3(23).



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Mount Vernon, WA 98273 Tel: 360-404-2010 <u>SHEET REVISIONS</u> **APPROVED** NO. DATE DESCRIPTION 10.24.24 CITY REVISION P.SEVERIN 11.25.24 CITY REVISION P.SEVERIN

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\$IGNED 12.11.2024

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Jeffy Kato

Std. Dwg. No.

2-17

CONSTRUCTION NOTES 2

PRESSURE TESTING NOTES

12/27/2024

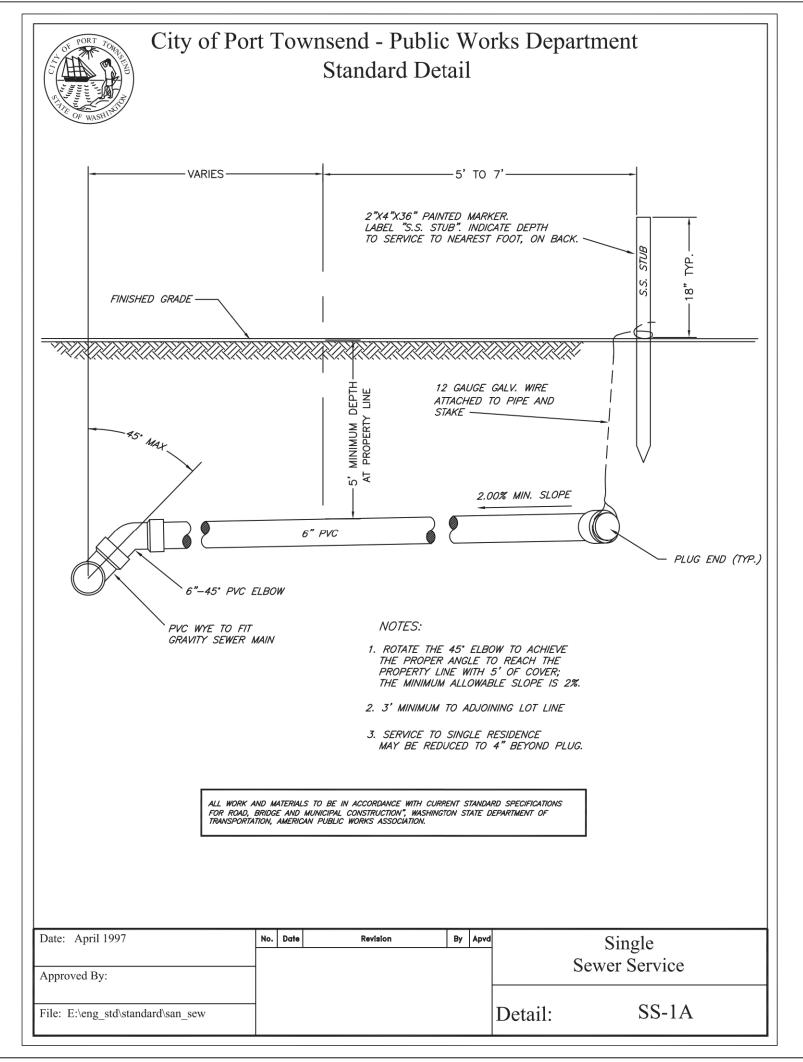
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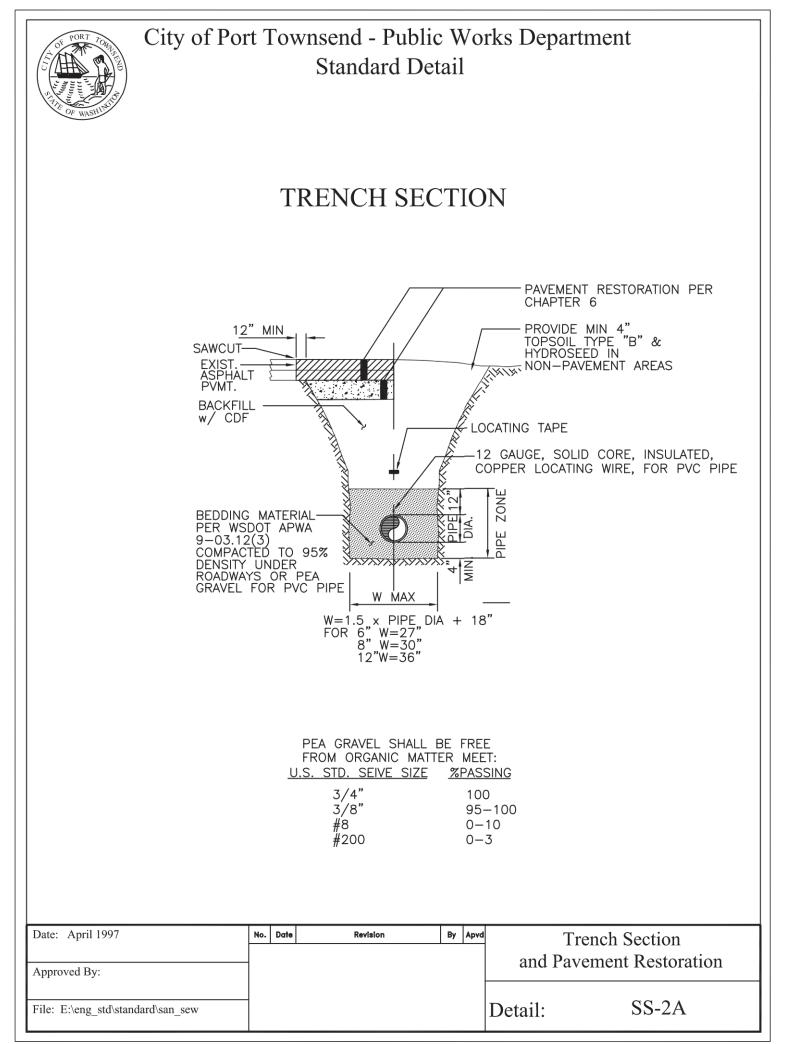
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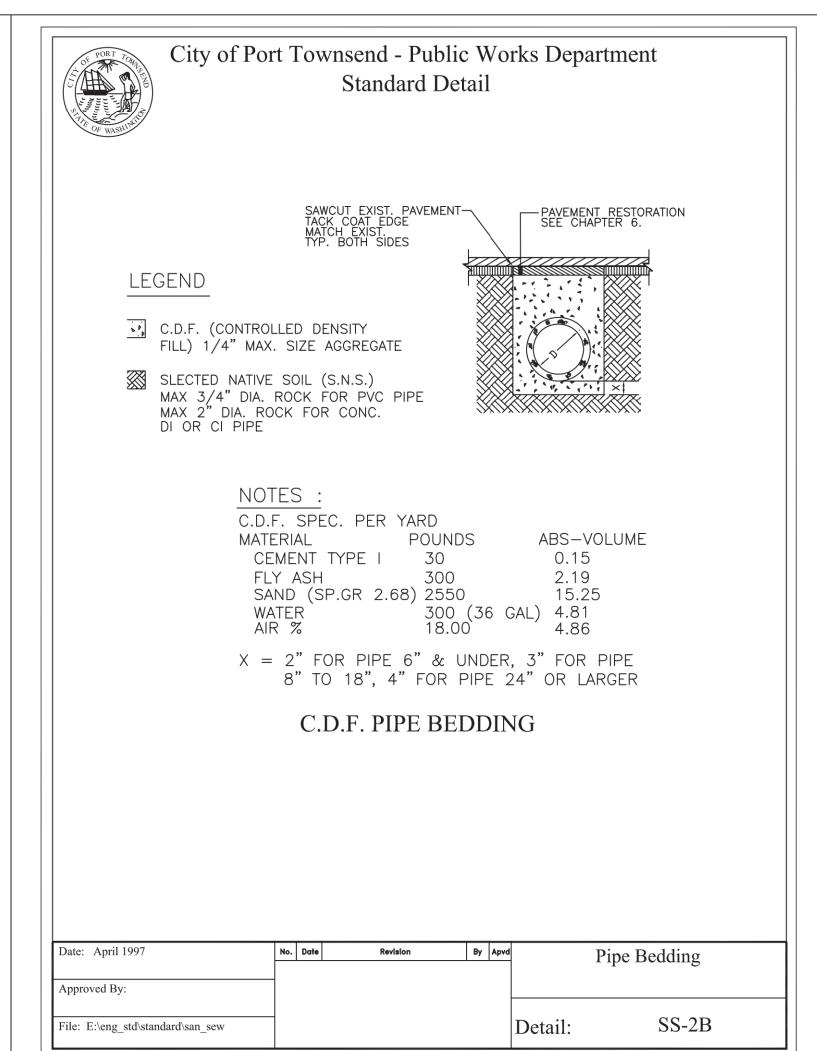
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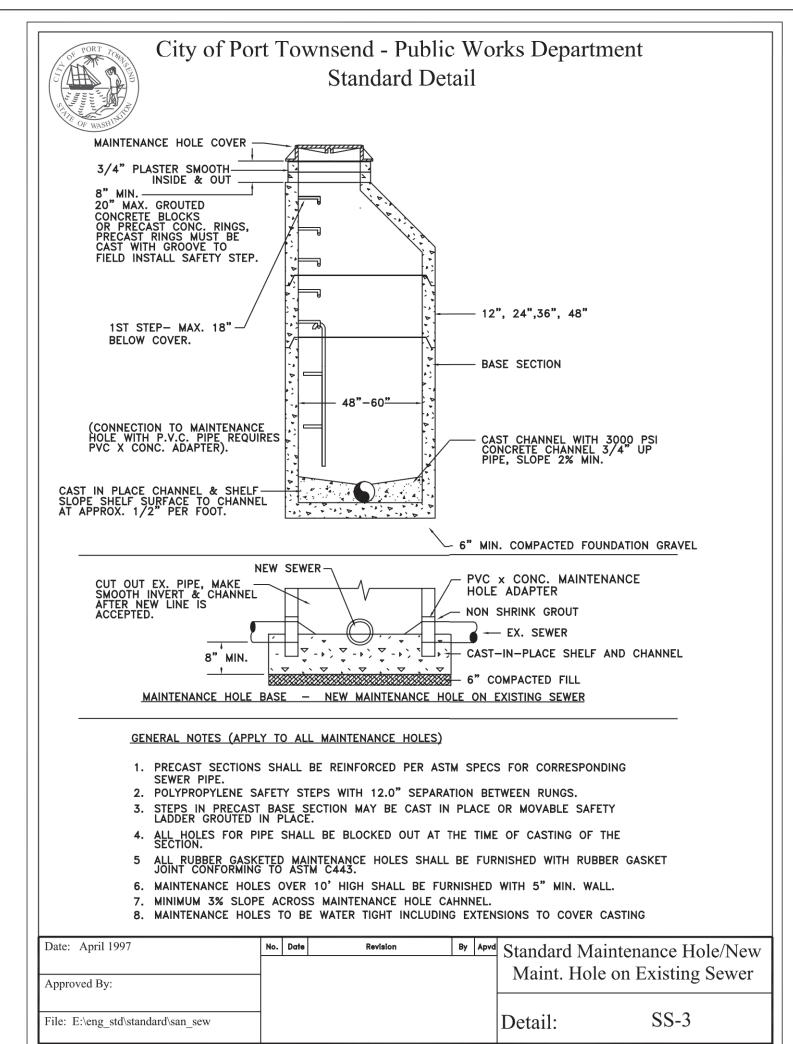
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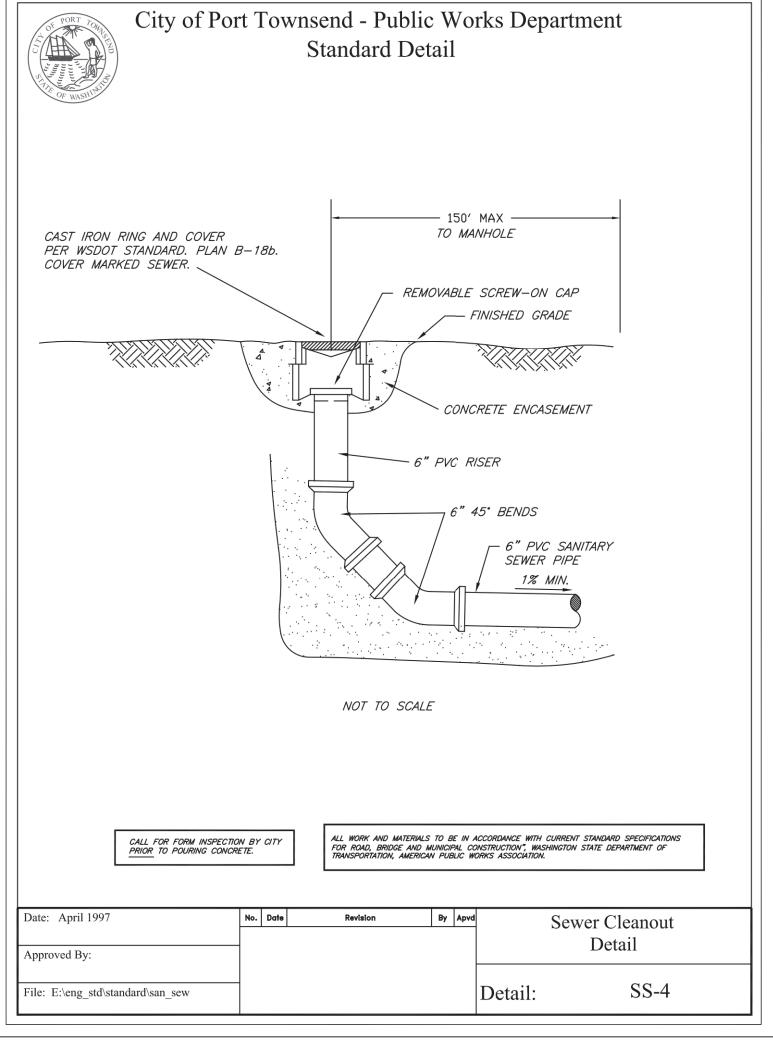
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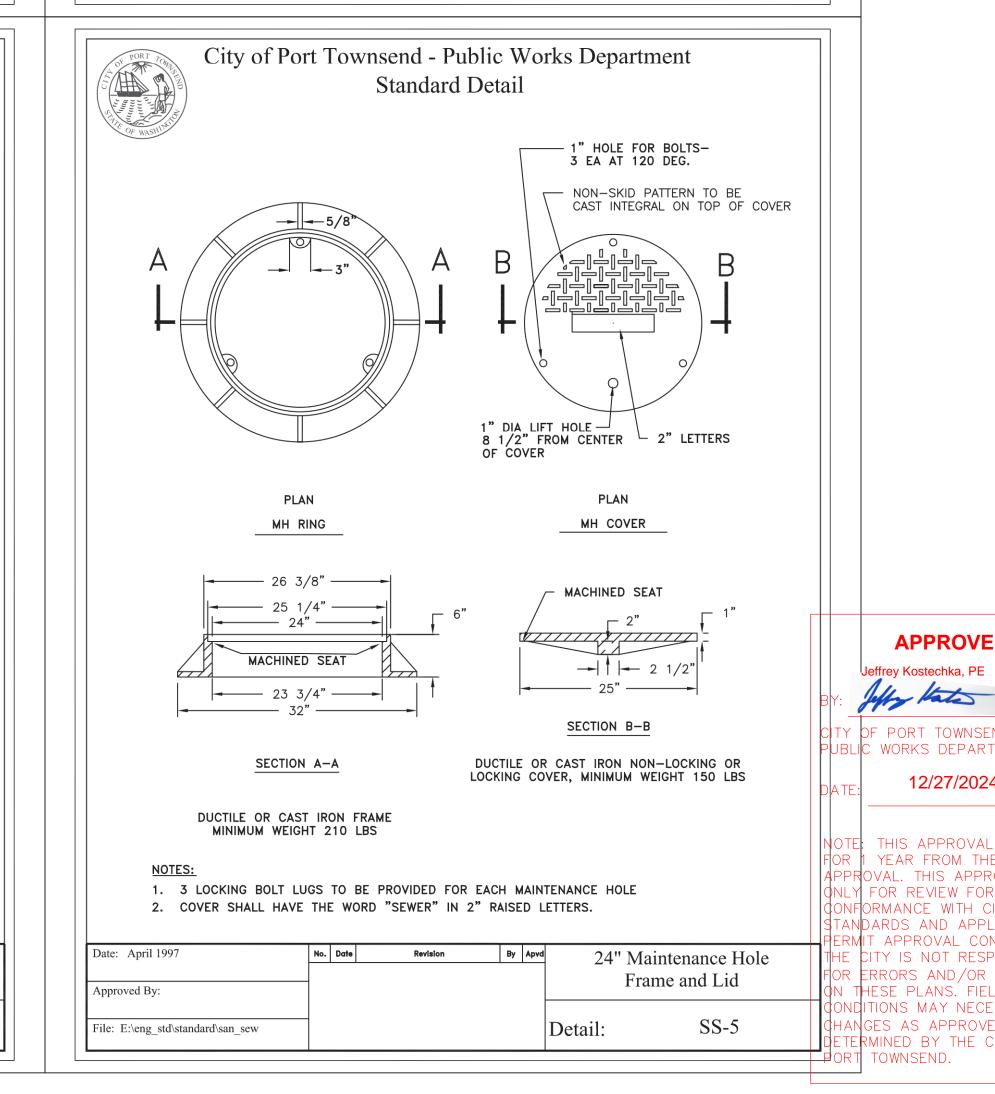


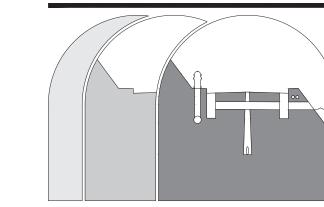












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VATER STREET
HOTEL
FOR NIRVAIR, LLC

CITY OF PORT TOWNSEN STANDARD DETAILS

APPROVED

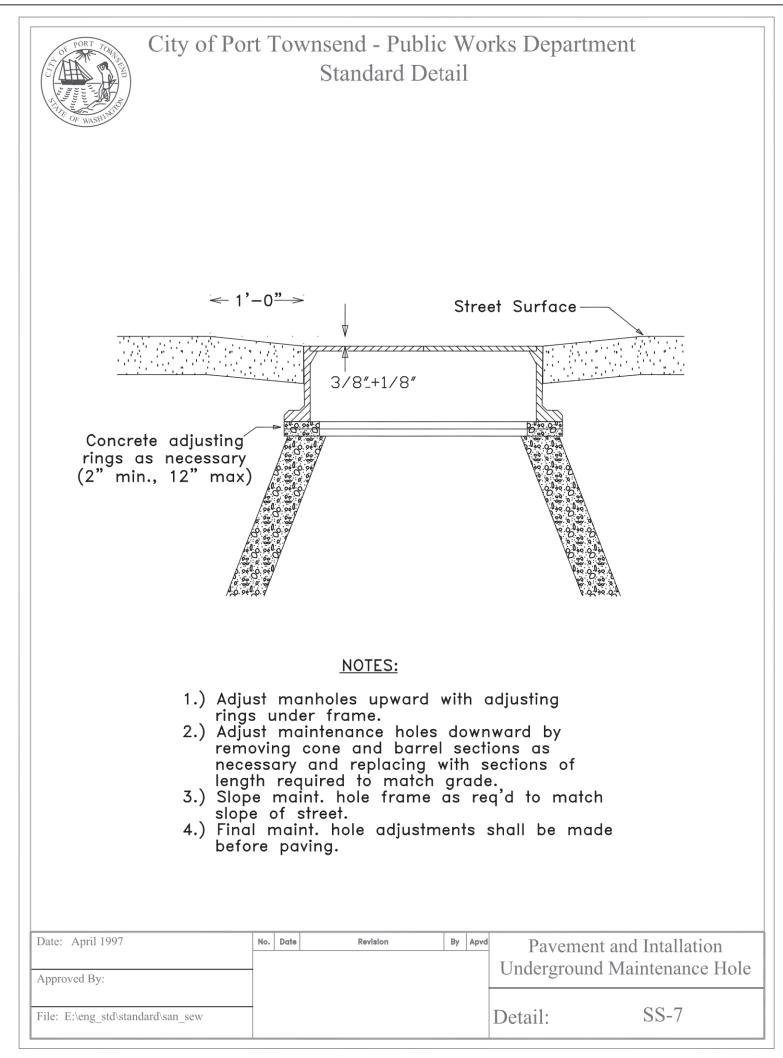
Jeffrey Kostechka, PE

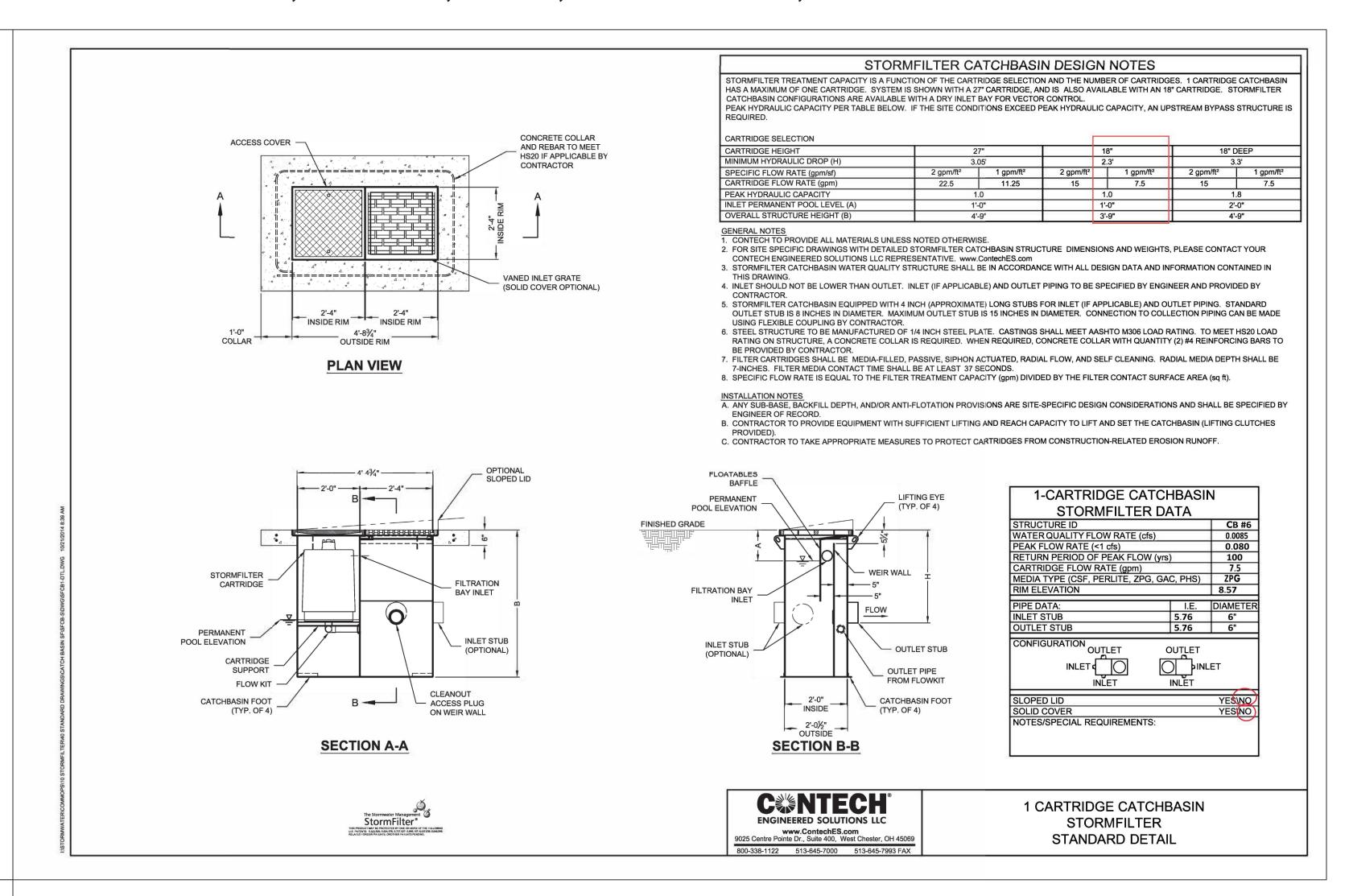
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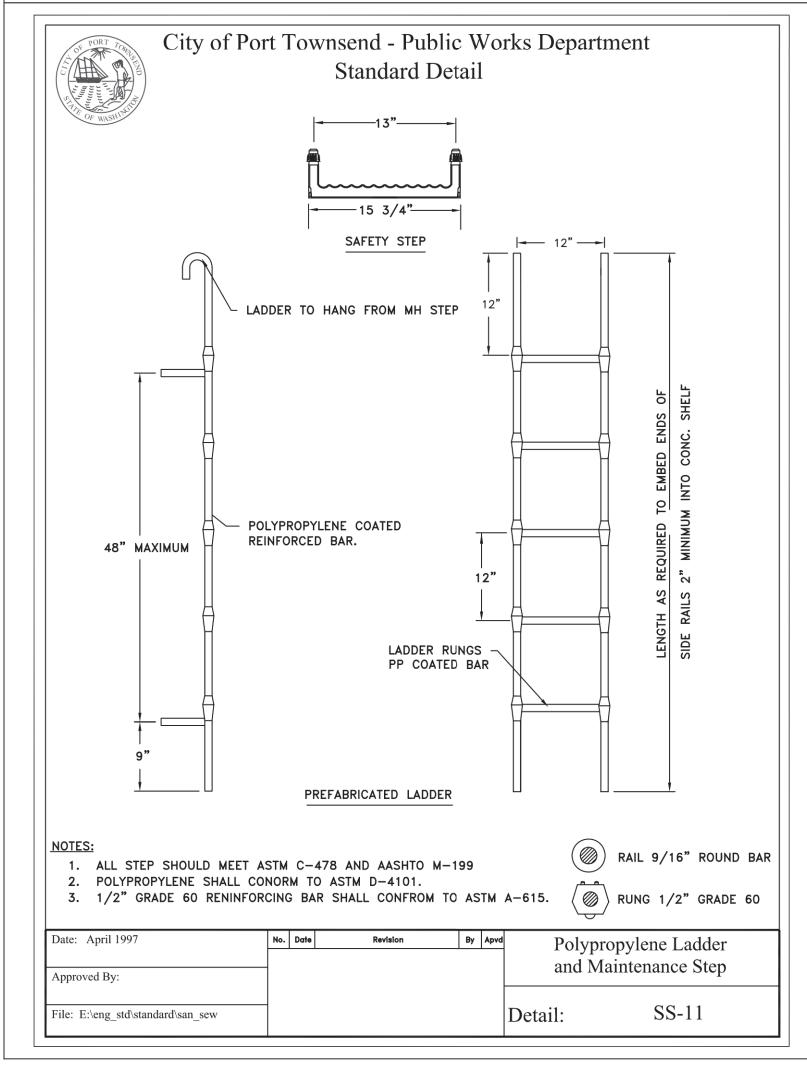
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12/27/2024 SIGNED 12.11.2024

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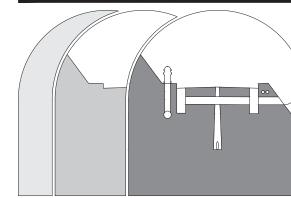








NOTE: THIS APPROVAL IS VALID FOR 1 YEAR FROM THE DATE OF APPROVAL. THIS APPROVAL IS ONLY FOR REVIEW FOR CONFORMANCE WITH CITY STANDARDS AND APPLICABLE PERMIT APPROVAL CONDITIONS. THE CITY IS NOT RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY NECESSITATE CHANGES AS APPROVED AND/OR DETERMINED BY THE CITY OF PORT TOWNSEND.



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TER STREET
HOTEL

CITY OF PORT TOWNSEND STANDARD DETAILS



SIGNED 12.11.2024

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C.SEVERIN

DESIGNED BY:

P.SEVERIN

DATE:

03.05.2024

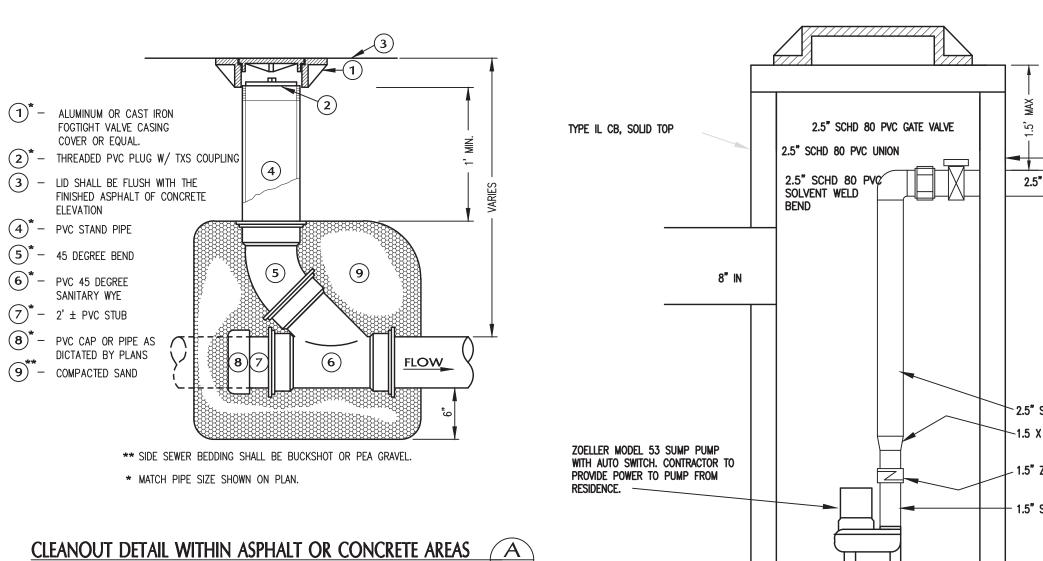
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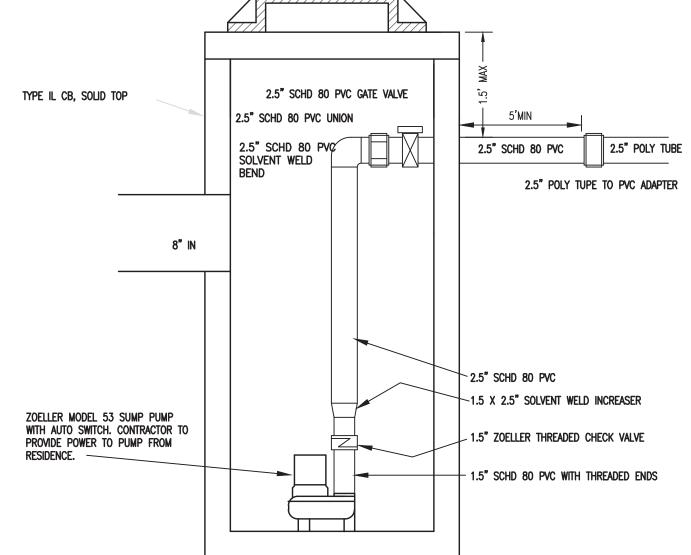
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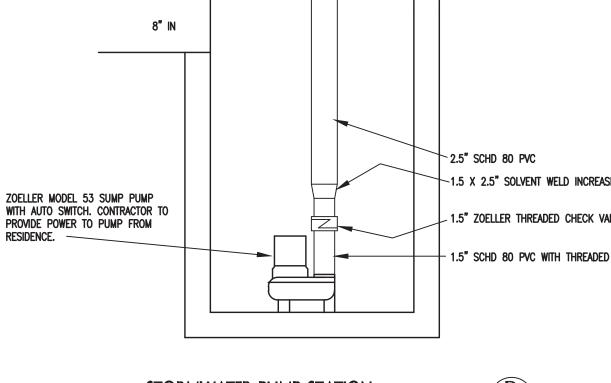
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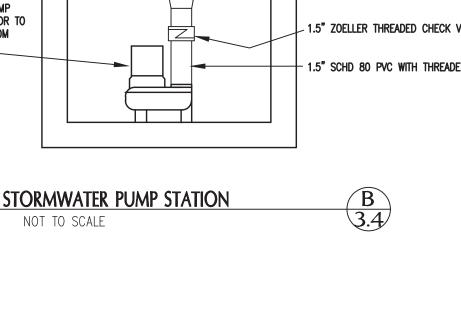
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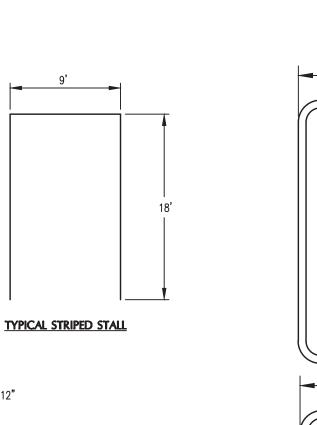
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GENERAL NOTES:

1. CONCRETE PARKING AREAS OUTSIDE OF LIMITS OF GARAGE SHALL HAVE 6" CONCRETE OVER 12" GRAVEL BASE COMPACTED TO 95% OF MAX. DENISTY.

NOT TO SCALE

- 2. DUMMY JOINTS SHALL BE PLACED NOT TO EXCEED 15' O.C. NOR LESS THAN 10' O.C. THEY SHALL NOT BE LESS THAN 3/16" IN THICKNESS AND SHALL EXTEND 2-1/4" DEEP.
- 3. CEMENT CONCRETE SHALL BE CLASS 3000 AIR ENTRAINED

SIDEWALK

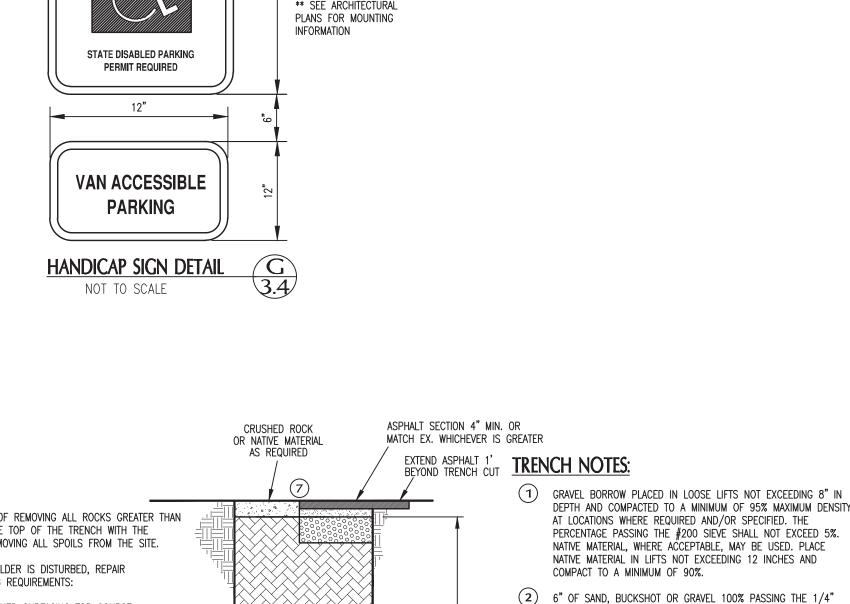
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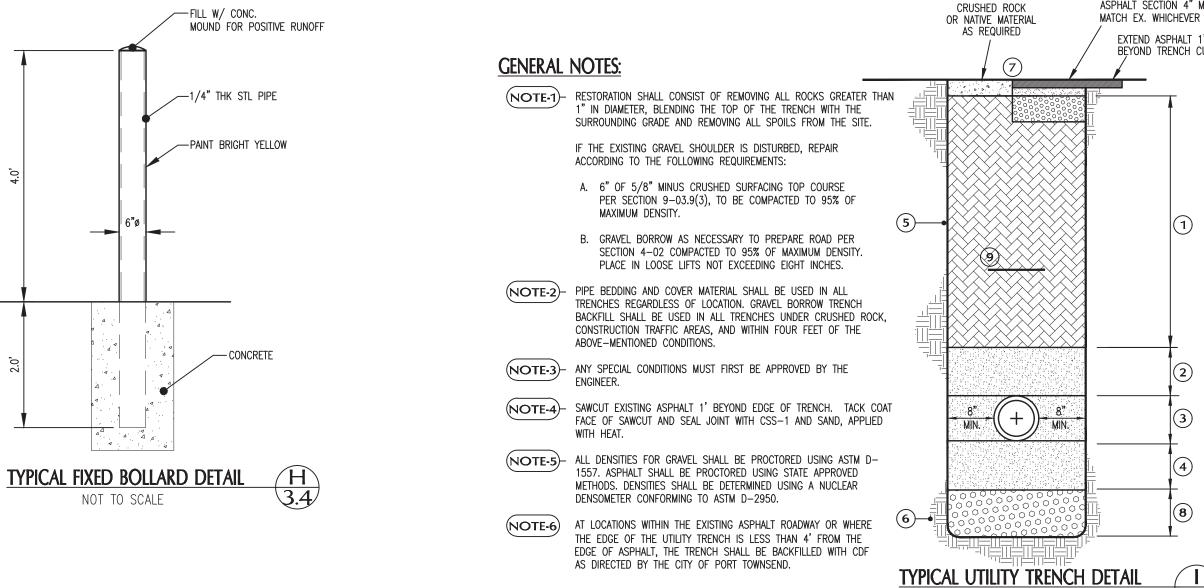
& GUTTER OR SIDEWALK

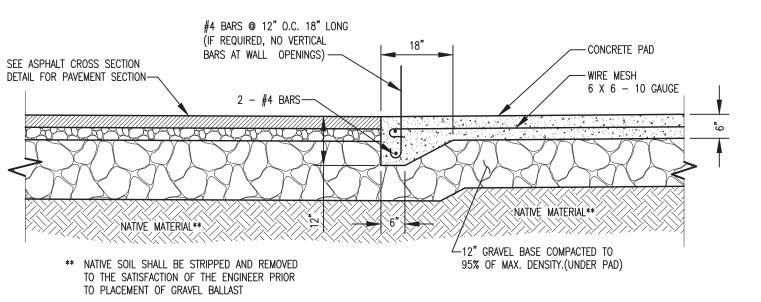
- 4. ALL JOINTS SHALL BE CLEANED AND EDGED.
- 5. SUBGRADE COMPACTION SHALL BE 95% MODIFIED PROCTOR.







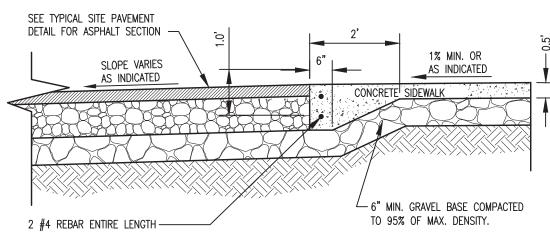




GENERAL NOTE:

SEE ARCHITECTURAL PLANS FOR ENCLOSURE DETAILS AND CONSTRUCTION.

CONCRETE DUMPSTER PAD DETAIL NOT TO SCALE



GENERAL NOTE:

DEPTH AND COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY

PERCENTAGE PASSING THE #200 SIEVE SHALL NOT EXCEED 5%.

NATIVE MATERIAL, WHERE ACCEPTABLE, MAY BE USED. PLACE NATIVE MATERIAL IN LIFTS NOT EXCEEDING 12 INCHES AND

SCREEN TO BE HAND-COMPACTED ABOVE CROWN OF PIPE.

(3) HAND-COMPACTED SAND, BUCKSHOT OR GRAVEL 100% PASSING THE 1/4" SCREEN TO BE TAMPED AROUND AND UNDER THE PIPE.

(7) SURFACE RESTORATION SHALL BE IN ACCORDANCE WITH GENERAL

BY THE ENGINEER, THE CONTRACTOR SHALL OVER-EXCAVATE TO

2' BELOW PIPE INVERT AND BACKFILL WITH 2 1/2" MINUS

SECTION 9-15.18 OF THE 2024 STANDARD SPECIFICATIONS.

(8) IN TRENCHES WITH SOFT, YIELDING MATERIAL, AS DIRECTED

BALLAST AGGREGATE THE BOTTOM OF PIPE BEDDING.

(9) PLACE DETECTABLE TRACER TAPE (MIN. 1' ABOVE PIPE) PER

THICKNESS EQUALS OUTSIDE DIAMETER OF PIPE.

(4) 6" OF SAND, BUCKSHOT OR GRAVEL 100% PASSING 1/4"

AT LOCATIONS WHERE REQUIRED AND/OR SPECIFIED. THE

COMPACT TO A MINIMUM OF 90%.

SCREEN, HAND-COMPACTED.

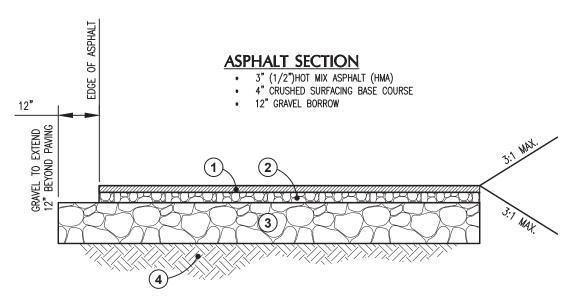
(5) TRENCH LINE.

(6) UNDISTURBED EARTH.

AREAS NOT ADJACENT TO PROPOSED ASPHALT AS INDICATED ON THE SITE PLAN SHALL NOT HAVE A THICKENED CONCRETE EDGE. AND SHALL BE CONSTRUCTED AS INDICATED. ALL CONCRETE SIDEWALKS SHALL BE CLASS 3000. SIDEWALKS NOT ADJACENT TO PROPOSED ASPHALT SHALL BE 4" CONCRETE OVER 6" GRAVEL BORROW WITH THE SUBGRADE PREPARED PER SPECIFICATIONS.

CONCRETE SIDEWALK AT GRADE DETAIL

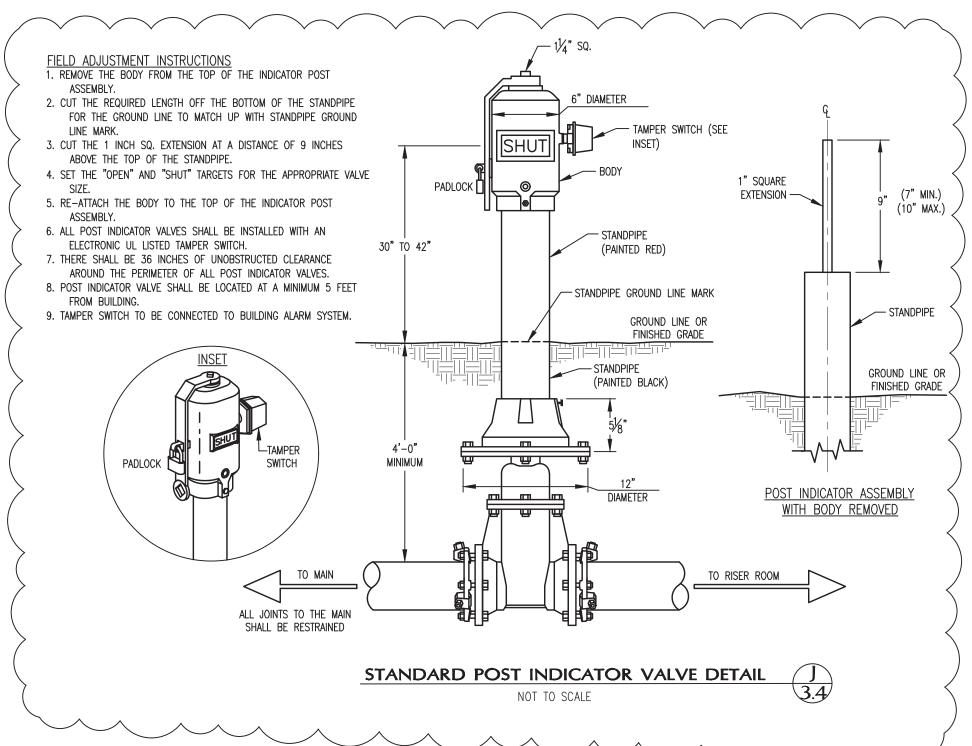
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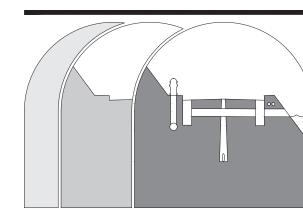


GENERAL NOTES:

- 1. ALL ASPHALT SHALL BE 1/2" HOT MIX ASPHALT CONFORMING TO SECTION 5-04 OF THE 2024 STANDARD SPECIFICATIONS, COMPACTED TO A MINIMUM OF 91% RICE DENSITY. WHERE PROPOSED ASPHALT ABUTS EXISTING ASPHALT, THE EXISTING ASPHALT SHALL BE SAW CUT FULL DEPTH AND TACK COATED IMMEDIATELY BEFORE PAVING. ALL SURFACE JOINTS SHALL BE SEALED WITH AR 4000 W AND SAND, APPLIED WITH HEAT.
- 2. CRUSHED SURFACING BASE COURSE SHALL CONFORM TO SECTION 9-03.9(3) OF THE 2024 STANDARD SPECIFICATIONS, COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D-1557 TESTING. ALL CRUSHED SURFACING SHALL BE SPRAYED WITH SOIL RESIDUAL HERBICIDE A MAXIMUM OF 24 HOURS PRIOR TO PAVING, ACCORDING TO SECTION 5-04.3(5)D OF THE 2024 STANDARD SPECIFICATIONS.
- 3. GRAVEL BASE, A MINIMUM OF 12 INCH COMPACTED DEPTH SHALL SUPPORT ALL PAVEMENT. GRAVEL BORROW WITH LESS THAN 5% PASSING THE 200 SIEVE, SHALL CONFORM TO SECTION 9-03.14 OF THE 2024 STANDARD SPECIFICATIONS COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D-1557 TESTING EXISTING GRAVEL MATERIAL MAY BE UTILIZED AS GRAVEL BORROW AS DETERMINED BY THE GEOTECHNICAL ENGINEER.
- 4. THE EXCAVATED SUBGRADE SHALL BE FREE OF TOPSOIL, ORGANICS, AND OTHER DELETERIOUS MATERIAL, COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D-1557 TESTING, PREPARED CONFORMING TO SECTION 2-06.3(1) OF THE 2024 STANDARD SPECIFICATIONS.







Sound Development Group ENGINEERING, SURVEYING & LAND DEVELOPMENT SERVICES P.O. Box 1705 • 1111 Cleveland Avenue, Suite 202 Mount Vernon, WA 98273 Tel: 360-404-2010

NO. DATE DESCRIPTION 10.24.24 CITY REVISION P.SEVERIN 11.25.24 CITY REVISION P.SEVERIN

CALL 48 HOURS BEFORE YOU DIG

1.800.424.5555

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APPROVED

Jeffrey Kostechka, PE

CITY OF PORT TOWNSEND PUBLIC WORKS DEPARTMENT

12/27/2024 DATE:

NOTE: THIS APPROVAL IS VALID FOR 1 YEAR FROM THE DATE OF APPROVAL. THIS APPROVAL IS ONLY FOR REVIEW FOR CONFORMANCE WITH CITY STANDARDS AND APPLICABLE PERMIT APPROVAL CONDITIONS. THE CITY IS NOT RESPONSIBLE FOR ERRORS AND/OR OMISSIONS ON THESE PLANS. FIELD CONDITIONS MAY NECESSITATE CHANGES AS APPROVED AND/OR DETERMINED BY THE CITY OF PORT TOWNSEND.



SIGNED 12.11.2024

NO SCALE	SCALE:
C.SEVERIN	DRAWN BY:
P.SEVERIN	DESIGNED BY:
03.05.2024	DATE:
24013	JOB NUMBER:
24013PLN.DWG	DWG NAME:
	SHEET NUMBER:

C3.4

GENERAL CONSTRUCTION NOTES

CONSTRUCTION NOT OBTAINED BY THE OWNER AND/OR ENGINEER.

- ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE 2024 STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION AS PREPARED BY WASHINGTON STATE DEPARTMENT OF TRANSPORTATION AND THE AMERICAN PUBLIC WORKS ASSOCIATION (WSDOT/APWA), HEREIN REFERRED TO AS THE "STANDARD SPECIFICATIONS". REFERENCES WILL BE MADE TO THE STANDARD SPECIFICATIONS MANUAL AND THE STANDARD PLANS BOOK.
- EXISTING UTILITIES HAVE BEEN TAKEN FROM AVAILABLE FIELD AND OFFICE RECORDS. THE CONTRACTOR IS RESPONSIBLE FOR UTILIZING THE ONE-CALL UTILITY LOCATE SERVICE, 1-800-424-5555, A MINIMUM OF TWO WORKING DAYS PRIOR TO ANY CONSTRUCTION, DAMAGES TO THE EXISTING UTILITIES RESULTING FROM THIS CONSTRUCTION SHALL BE REPAIRED BY AND AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL VERIFY ANY POTENTIAL UTILITY CONFLICTS PRIOR TO
- 3. THE CONTRACTOR SHALL MAKE DAILY EFFORTS TO KEEP THE SITE IN A NEAT AND ORDERLY CONDITION TO THE SATISFACTION OF THE OWNER, ENGINEER, AND CITY OF PORT TOWNSEND PUBLIC WORKS DEPARTMENT. IF CONSTRUCTION OCCURS DURING RAINY WEATHER CONDITIONS, THEREBY CAUSING DEBRIS TO BE TRACKED ONTO THE EXISTING ASPHALT, THE CONTRACTOR SHALL CONSTRUCT A QUARRY SPALL ROADWAY 20-FEET WIDE BY 100-FEET LONG MINIMUM. THE CONTRACTOR IS RESPONSIBLE FOR DAMAGES TO EXISTING IMPROVEMENTS RESULTING FROM THIS CONSTRUCTION.
- 4. DURING ALL PHASES OF CONSTRUCTION, THE CONTRACTOR SHALL SWEEP AND REMOVE ALL DEBRIS TRACKED ONTO THE EXISTING ROADS. FAILURE TO KEEP ROAD FREE FROM DEBRIS OFF EXISTING ROADWAY MAY CAUSE WORK STOPPAGE. THE CONTRACTOR SHALL ALSO WATER THE SITE (IF REQUIRED) TO REDUCE CONSTRUCTION DUST.
- 5. AT ALL TIMES, TRAFFIC LANES SHALL BE MAINTAINED ON EXISTING ROADS. TEMPORARY AND PARTIAL ROAD CLOSURE SHALL BE APPROVED BY CITY OF PORT TOWNSEND PUBLIC WORKS, FIRE, AND POLICE DEPARTMENTS PRIOR TO CONSTRUCTION. DURING CONSTRUCTION WITHIN THE RIGHT-OF-WAYS, THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT FOR TRAFFIC CONTROL AND CONSTRUCTION WARNING/CONTROL SIGNS.
- 6. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS CONCERNING DISPOSAL OF MATERIALS. ALL ASPHALT, CONCRETE, BRICK, AND STRUCTURES REMOVED FROM THIS SITE SHALL BE DISPOSED OF IN AN APPROVED SITE OBTAINED BY THE CONTRACTOR
- 7. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND APPLYING FOR ALL PERMITS ASSOCIATED WITH THIS
- 8. THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED PRIOR TO CONSTRUCTION IF ANY DISCREPANCY IN PLANS AND EXISTING CONDITIONS IS DISCOVERED
- 9. THE CONTRACTOR SHALL STOCKPILE CLEAN, NATIVE TOPSOIL MATERIALS, FREE OF SOD AND DEBRIS LARGER THAN TWO INCHES TO BE USED AS FILL IN THE PROPOSED LANDSCAPE AREAS. THE CONTRACTOR SHALL STOCKPILE EXCESS NATIVE MATERIAL ON THE SITE AS DIRECTED BY THE OWNER. EXCESS AND UNSUITABLE NATIVE MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT AN APPROVED DUMPSITE RETAINED BY THE CONTRACTOR. DEBRIS AND STRUCTURES SHALL BE REMOVED FROM SITE AND DISPOSED AT AN APPROVED DISPOSAL SITE RETAINED BY THE CONTRACTOR.
- 10. ALL PORTIONS OF THE SITE UNDER THE PROPOSED ASPHALT SHALL BE EXCAVATED TO EXPOSE A NON-ORGANIC MATERIAL SUITABLE FOR CONSTRUCTION. THE SUBGRADE SHALL BE PREPARED CONFORMING TO SECTION 2-06.3(1) OF THE STANDARD SPECIFICATIONS, AND COMPACTED TO A MINIMUM OF 105% MAXIMUM DENSITY WITH A MINIMUM TEN-TON SELF-PROPELLED VIBRATORY ROLLER. ANY AREAS THAT INDICATE PUMPING, UNSTABLE, OR YIELDING SOIL CONDITIONS SHALL BE OVER EXCAVATED AND REPLACED WITH TWO INCH TO FOUR- INCH QUARRY SPALLS. STOCKPILED MATERIAL SHALL BE PROTECTED FROM OVER- SATURATION BY RAINFALL OR PONDED WATER. FINAL GRADED CONDITIONS SHALL BE RAKED TO REMOVE ALL DEBRIS LARGER THAN ONE-INCH FROM THE SURFACE.
- 11. ORGANIC MATERIAL AND NON SUITABLE NATIVE MATERIAL DISCOVERED DURING SUBGRADE EXCAVATION AND SITE PREPARATION SHALL BE ENTIRELY REMOVED AND DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
- 12. DURING PERIODS OF RAINFALL, THE CONTRACTOR SHALL PREVENT WATER FROM STANDING ON THE SUBGRADE OR ON THE PREPARED GRAVEL SUBGRADE. THE CONTRACTOR IS RESPONSIBLE FOR SUBGRADE PROTECTION, REPAIR AND REPLACEMENT OF SUBGRADE MATERIALS SHALL BE PAID FOR BY AND AT THE CONTRACTOR'S EXPENSE. STORM RUNOFF SHALL BE DISCHARGED TO THE STORM SYSTEM OR ON SITE LOCATION THAT WILL NOT IMPACT THE NEIGHBORING PROPERTIES, THIS PROJECT, DOWNSTREAM CONVEYANCE SYSTEM. THE CONTRACTOR IS REQUIRED TO PROVIDE TEMPORARY DITCHING AND PUMPS TO REMOVE ALL STANDING WATER FROM THE WORK AREA.
- 13. STRUCTURAL FILL TO FILL IN THE SWALE IS TO BE GLACIAL TILL, OR AS APPROVED BY THE PROJECT GEOTECHNICAL ENGINEER. STRUCTURAL FILL FOR DRY WEATHER CONSTRUCTION MAY CONTAIN UP TO 10 PERCENT FINES (THAT PORTION PASSING THE U.S. NO. 200 SIEVE) BASED ON THE PORTION PASSING THE U.S. NO. 4 SIEVE. IMPORTED FILL HAVING MORE THAN 10 PERCENT FINES IS TO BE REVIEWED BY THE DESIGN TEAM PRIOR TO THE START OF CONSTRUCTION. STRUCTURAL FILL FOR WET WEATHER CONSTRUCTION IS TO CONTAIN LESS THAN FIVE PERCENT FINES. THE OWNER SHALL PROVIDE INITIAL GRADATION AND TEST RESULTS TO THE ENGINEER FOR APPROVAL. GRADATION AND PROCTOR TEST RESULTS SHALL BE SUPPLIED BY THE OWNER PER 2000 TONS OF IMPORTED MATERIAL. CRITERIA FOR COMPACTED TILL LINERS IS GIVEN IN SECTION V-1.3.3 OF THE STORMWATER MANAGEMENT MANUAL FOR WESTERN WASHINGTON, REFER TO THE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION ON STRUCTURAL FILL SPECIFICATIONS

ALL AREAS THAT DO NOT MEET THE REQUIRED SPECIFICATIONS SHALL BE RE-COMPACTED AND RETESTED AT NO COST

- 14. GRAVEL BORROW (IMPORTED STRUCTURAL FILL) SHALL COMPLY WITH SECTION 9-03.14(1) OF THE 2024 STANDARD SPECIFICATIONS OR THE IMPORTED STRUCTURAL FILL REQUIREMENTS OUTLINED IN THE GEOTECHNICAL REPORT, WHICHEVER IS MORE STRINGENT. GRAVEL BASE SHALL CONSIST OF WELL GRADED SAND AND GRAVEL CONFORMING TO THE REQUIRED SPECIFICATIONS. THE PERCENT PASSING THE US NO. 200 SIEVE SHALL NOT EXCEED 7% ALL GRAVEL BASE IMPORTED TO THE SITE SHALL HAVE A CONSISTENT GRADATION PRIOR TO IMPORTING ANY GRAVEL BASE MATERIAL. THE CONTRACTOR SHALL PROVIDE GRADATION AND TEST RESULTS TO THE ENGINEER FOR APPROVAL. GRADATION AND PROCTOR TEST RESULTS SHALL BE SUPPLIED BY THE CONTRACTOR PER 2000 TONS OF IMPORTED MATERIAL. THE CONTRACTOR SHALL RETAIN LICENSED PERSONNEL TO PERFORM COMPACTION TESTS FOR THE FOLLOWING:
- A. TOP OF PREPARED GRAVEL BORROW WITHIN THE PARKING LOT AND ROAD SECTION ON A 50-FOOT GRID/INTERVAL FOR GRAVEL FILLS GREATER THAN TWO FEET
- B. ONE TEST ADJACENT TO ALL STRUCTURES WITHIN THE ASPHALT.
- C. TRENCHES WITH THREE FEET OR LESS OF GRAVEL TRENCH BACKFILL: TOP CENTER OF UTILITY TRENCH AT
- D. TRENCHES WITH MORE THAN THREE FEET OF GRAVEL TRENCH BACKFILL: TOP CENTER OF UTILITY TRENCH AND MID-DEPTH OF TRENCH, BOTH AT 50-FOOT INTERVALS. ALL TEST RESULTS SHALL MEET OR EXCEED THE

ALL AREAS THAT DO NOT MEET THE REQUIRED SPECIFICATIONS SHALL BE RE-COMPACTED AND RETESTED AT NO ADDITIONAL COST TO THE OWNER.

- 15. CRUSHED SURFACING TOP COURSE SHALL CONFORM TO SECTION 9-03.9(3) OF THE 2024 STANDARD SPECIFICATIONS. EACH LIFT SHALL BE MECHANICALLY COMPACTED TO A MINIMUM OF 105% MAXIMUM DENSITY AS DETERMINED BY ASTM D- 1557 TESTING PROCEDURE PLACEMENT AND GRADING OF COMPACTED CRUSHED TOP COURSE MATERIAL WITHIN THE ASPHALL AREAS SHALL HAVE A TOLERANCE OF PLUS OR MINUS ONE-HALF INCH FROM THE DESIGNATED TOP OF CRUSHED SURFACING TOP COURSE. THE OWNER SHALL PROVIDE GRADATION AND DEGRADATION TEST RESULTS TO THE ENGINEER FOR APPROVAL OF SITE MATERIAL.
- 16. ASPHALT CONCRETE PAVEMENT SHALL CONFORM TO SECTION 5-04 OF THE 2024 STANDARD SPECIFICATIONS. THE FINAL GRADING OF CRUSHED SURFACING TOP COURSE WILL BE INSPECTED AND APPROVED BY THE ENGINEER PRIOR TO ASPHALT PAVING. ALL ABUTTING EDGES OF EXISTING ASPHALT SHALL BE SAW CUT FULL DEPTH TO PROVIDE A NEAT STABLE FORE FOR THE NEW ASPHALT, ALL SAW CUT FACES SHALL BE TACK COATED AS WELL AS ALL STRUCTURES THAT ABUT ASPHALT. THE SURFACE JOINT BETWEEN EXISTING AND NEW ASPHALT MUST BE SEALED WITH HEAT-APPLIED CSS-AND SAND COAT. ASPHALT SURFACE THAT HAS LOOSE MATERIAL OR POROUS CONDITIONS AS DETERMINED BY THE ENGINEER SHALL BE SEALED ACCORDING TO SECTION 5-04.3(5)C CRACK SEALING, AT NO ADDITIONAL COST TO THE OWNER, WITHIN 24 HOURS PRIOR TO PAVING. SOIL RESIDUAL HERBICIDE SHALL BE APPLIED TO ALL CRUSHED TOP COURSE SURFACES WITHIN THE PARKING LOTS AND ROADS.
- 17. HOT MIX ASPHALT SHALL BE PLACED AT THE LOCATIONS AND DEPTHS INDICATED ON THE PLANS, HOT MIX ASPHALT SHALL BE MECHANICALLY COMPACTED TO A MINIMUM OF 101% OF THE RICE DENSITY. COMPACTION SHALL OCCUR BETWEEN THE TEMPERATURES OF 180 DEGREES FAHRENHEIT AND 300 DEGREES FAHRENHEIT DURING COLD WEATHER CONDITIONS AS DETERMINED BY THE ENGINEER, ALL TRUCKLOADS OF ASPHALT SHALL BE COVERED SO AS TO RETAIN HEAT. THE OWNER SHALL RETAIN LICENSED MATERIALS-TESTING PERSONNEL TO PROVIDE COMPACTION TESTS AT 50- FOOT GRID/INTERVAL THROUGHOUT THE PARKING LOT AND ROAD SECTION. IF COMPACTION TEST RESULTS OF HOT MIX ASPHALT INDICATE LESS THAN 91% THE OWNER MAY, AT HIS EXPENSE, HAVE CORE SAMPLES TAKEN AND ANALYZED TO SUBSTANTIATE DENSITY. HOT MIX ASPHALT THAT DOES NOT MEET THE REQUIRED COMPACTION. SHALL EITHER BE REMOVED BY THE CONTRACTOR AT THEIR EXPENSE OR SHALL HAVE EQUAL THE INTENDED DESIGN. ADDITIONAL TESTING AND ASPHALT TO COMPENSATE FOR UNACCEPTABLE COMPACTION TEST RESULTS SHALL BE THE EXPENSE OF THE CONTRACTOR. NO ASPHALT PAVING OR ROLLING COMPACTION OF ASPHALT IS ALLOWED AFTER DARK. ALL ROLLING SHALL BE COMPLETED BY SUNSET TIME.
- 18. CONCRETE SIDEWALKS SHALL BE INSTALLED AS INDICATED ON THE CIVIL PLANS. SIDEWALKS SHALL BE SIX INCHES THICK SUPPORTED BY A MINIMUM OF SIX INCHES OF GRAVEL BORROW, COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY AS DETERMINED BY COMPACTION TESTING, UNLESS OTHERWISE SPECIFIED. SIDEWALKS ADJACENT TO PROPOSED ASPHALT SHALL HAVE THICKENED EDGE. SIDEWALKS SHALL HAVE FULL DEPTH EXPANSION JOINTS INSTALLED AT 25-FOOT INTERVALS. WITH ONE-INCH SCORED STRESS JOINTS INSTALL AT FIVE FEET ON CENTER. EXTRUDED CURB SHALL BE PLACED ON FINISHED CONCRETE SURFACE AND BONDED WITH CONCRETE EPOXY OR CONCRETE SLURRY. CURBS SHALL BE PLACED IN STRAIGHT LINES AND ACCORDING TO RADII SHOWN ON THE PLANS. PAVEMENT THAT EXTENDS MORE THAN THREE INCHES BEYOND THE BACK OF EXTRUDED CONCRETE CURB SHALL BE SAW CUT FULL DEPTH AND REMOVED. ALL CONCRETE PAVEMENT, UNLESS OTHERWISE SPECIFIED, IS TO HAVE 1.5-INCH CRACK JOINTS SPACED AT 12 FEET MAXIMUM INTERVALS IN BOTH DIRECTIONS AND ARE TO BE SEALED TO RESTRICT WATER INFILTRATION INTO THE JOINTS.

STORM SEWER

1. THE FOLLOWING MATERIALS ARE ACCEPTABLE FOR THE STORM SEWERS IDENTIFIED ON THE PLANS:

A. PVC PIPE (POLYVINYL CHLORIDE) OVER 8" IN DIAMETER SHALL CONFORM TO SECTION 9-05.12(2) OF THE STANDARD SPECIFICATIONS, MEETING THE REQUIREMENTS OF ASTM D3034,SDR35. PVC PIPE 8" IN DIAMETER AND UNDER SHALL CONFORM TO SECTION 9-05.1(5) OF THE STANDARD SPECIFICATIONS MEETING THE REQUIREMENTS OF AASHTO M 294 TYPE S.

- B. CORRUGATED POLYETHYLENE PIPE (CPP) SHALL HAVE A SMOOTH BARREL INTERIOR. CORRUGATED EXTERIOR. CONFORMING TO SECTION 9-05.1(7) MEETING THE REQUIREMENTS OF AASHTO M294.
- C. PROFILE WALL PVC STORM PIPE 15" AND UNDER SHALL CONFORM TO SECTION 9-05.12(2) OF THE STANDARD SPECIFICATIONS, MEETING THE REQUIREMENTS OF AASHTO M304 SDR35. ALL FITTINGS SHALL CONFORM TO ASTM F 794. ALL PIPES SHALL HAVE GASKETED JOINTS.

2. STORM CATCH BASINS AS INDICATED ON THE PLANS SHALL CONFORM TO CITY OF PORT TOWNSEND PUBLIC WORKS DEPARTMENT

BURLINGTON CATCH BASIN PER CUZ CONCRETE CB DETAIL TYPE 1 CATCH BASIN PER WSDOT STD PLAN B-5.20-01

TYPE 1L CATCH BASIN PER WSDOT STD. PLAN B-5.40-01

CATCH BASIN STD. GRATE PER WSDOT STD. PLAN B-30.50-01

COMPACTED 2-4" QUARRY SPALLS. ALL STRUCTURE JOINTS MUST BE GASKETED.

ALL CATCH BASINS SHALL HAVE A MINIMUM 2-FOOT SUMP UNLESS OTHERWISE INDICATED. IF SUBGRADE CONDITIONS ARE SOFT BELOW PROPOSED STRUCTURES, THE FOUNDATION SHALL BE OVER-EXCAVATED TWO-FEET BELOW THE STRUCTURE, AND THREE FEET FROM THE SIDES OF THE STRUCTURE, AND BACK-FILLED WITH MECHANICALLY

3. ALL PVC PIPE CONNECTIONS SHALL BE MADE TO STRUCTURES USING PVC SAND COLLARS.

4. UPON INSTALLATION OF ALL PIPES TO STORM STRUCTURES, THE KNOCKOUT AREA SHALL BE NEATLY MUDDED INSIDE AND OUT OF THE CATCH BASIN USING A NON-SHRINK CONCRETE GROUT.

5. UPON COMPLETION OF ALL CRUSHES TOP COARSE GRADING AND PREPARATION FOR ASPHALT PAVING, ALL CATCH BASIN STRUCTURES SHALL BE CORRECTLY ADJUSTED SO AS TO BE FLUSH WITH THE PROPOSED FINISH GRADE.

6. UPON PROJECT COMPLETION, THE CONTRACTOR SHALL FLUSH ALL STORM PIPES TO REMOVE ANY DEBRIS. DEBRIS SHALL NOT BE DISPOSED OF INTO THE DOWNSTREAM DRAINAGE SYSTEM, BUT DISPOSED OF IN AN APPROPRIATE MANNER.

7. BLOCK LETTERING SHALL BE EMBOSSED ON THE TOP SURFACES OF GRATES AND COVERS AS FOLLOWS:

A. "DRAIN" - 3-INCH LETTERS ON ALL SOLID COVERS.

B. "OUTFALL TO STREAM DUMP NO POLLUTANTS" - ½-INCH LETTERS ON ALL GRATES 8. ALL SOLID COVERS AND GRATES SHALL BE SECURED WITH 5/8-INCH STAINLESS STEEL SOCKET HEAD CAP SCREWS.

A LIGHT COATING OF ANTI-SEIZE THREAD COMPOUND SHALL BE APPLIED TO THE SCREWS AT THE TIME OF INSTALLATION. THE

ANTI-SEIZE COMPOUND USED SHALL BE LOCTITE 767 OR APPROVED EQUAL. ANTI-SEIZE COMPOUND SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

OTHER LOCKING DEVICES ARE ACCEPTABLE SUBJECT TO APPROVAL BY CITY OF PORT TOWNSEND PUBLIC WORKS DIRECTOR.

SANITARY SEWER

2.THE LOCATION OF THE SANITARY SEWER SERVICE IS INDICATED ON THE PLANS. SEWER SERVICE SHALL BE INSTALLED AT THE SLOPE AND LOCATION AS INDICATED ON THE CIVIL PLANS

3.SEWER PIPE SHALL BE PVC, CONFORMING TO ASTM D 3034, SDR 35 AND SECTION 9-05.12 OF THE 2024 STANDARD SPECIFICATIONS. JOINTS SHALL BE BELL AND SPIGOT WITH A RUBBER GASKET. MATERIALS AND CONSTRUCTION SHALL CONFORM TO SECTION 7-08 AND SECTION 7-17 WSDOT/APWA, AND THE CITY OF PORT TOWNSEND PUBLIC WORKS DEPARTMENT.

4.CLEANOUTS SHALL BE INSTALLED AT LOCATIONS AND ELEVATIONS AS SHOWN ON THE CONSTRUCTION PLANS. CLEANOUTS SHALL CONFORM TO THE CONSTRUCTION DETAIL, AND THE CITY OF PORT TOWNSEND REQUIREMENTS. CLEANOUTS SHALL BE INSTALLED TO MATCH FINISH GRADE WITHIN CONCRETE AND ASPHALT AREAS.

5.THE CONTRACTOR IS TO INSTALL ALL COMPONENTS OF THE SANITARY SEWER SYSTEM TO PREVENT ANY INTRUSION ON EXISTING

6.AIR PRESSURE TESTING, IF REQUIRED BY THE CITY OF PORT TOWNSEND PUBLIC WORKS, SHALL BE PERFORMED BY THE CONTRACTOR ON ALL PROPOSED SEWER LINES. THE PRESSURE TEST SHALL BE PERFORMED AT FIVE PSI FOR TEN MINUTES WITH NO SIGNIFICANT GAUGE DROP. ADEQUATE TIME (TWO MINUTES MINIMUM) SHALL ELAPSE BEFORE THE PRESSURE TEST IS PERFORMED TO ALLOW THE PRESSURE TO STABILIZE. THE CONTRACTOR IS RESPONSIBLE FOR RETAINING ALL STRUCTURES, CLEANOUTS AND PIPE ENDS DURING THIS TEST.

UTILITY TRENCHES

1. ALL TRENCHES SHALL BE EXCAVATED TO PROVIDE A MINIMUM WIDTH OF EIGHT INCHES ON EITHER SIDE OF THE PROPOSED UTILITY AS INDICATED ON THE UTILITY TRENCH DETAIL WITHIN THE CIVIL DRAWINGS. ALL STORM AND SEWER PIPES SHALL BE BEDDED WITH PEA GRAVEL OR BUCKSHOT WITH 100% OF THE MATERIAL PASSING THE 1/4-INCH SCREEN. BEDDING MATERIAL SHALL ALSO BE USED TO COVER THE PIPE TO A MINIMUM OF FOUR INCHES ABOVE THE TOP OF THE PIPE. THE CONTRACTOR SHALL CAREFULLY TAMP AND HAND COMPACT BEDDING AND COVER MATERIAL TO ASSURE ADEQUATE SUPPORT UNDER THE BARREL OF THE PIPE.

2.TRENCH BACKFILL MATERIAL SHALL CONSIST OF COMPACTED GRAVEL BORROW PLACED IN LOOSE LIFTS NOT EXCEEDING EIGHT INCHES AND COMPACTED TO A MINIMUM OF 105% MAXIMUM DENSITY AS DETERMINED AS ASTM D 1557 TESTING PROCEDURE. THE INITIAL LIFT OF GRAVEL TRENCH BACKFILL OVER THE PIPE SHALL NOT EXCEED 18 INCHES IN ORDER TO PROTECT THE PIPE. STRUCTURAL FILL SHALL BE USED AS TRENCH BACKFILL IN ALL TRENCHES UNDER PROPOSED ASPHALT, CONCRETE, CONSTRUCTION TRAFFIC AREAS, AND WITHIN FIVE FEET BEYOND IMPERVIOUS SURFACES. NATIVE MATERIAL SHALL NOT BE USED AS TRENCH

3 NATIVE SOIL MATERIALS MAY BE USED AS TRENCH BACKELL ONLY AT LOCATIONS BEYOND THOSE REQUIRING GRAVEL STRUCTURAL FILL. THE USE OF NATIVE SOIL MATERIALS AS TRENCH BACKFILL. WITHIN THOSE AREAS REQUIRING GRAVEL. MUST BE APPROVED BY THE GEOTECHNICAL ENGINEER, CITY OF PORT TOWNSEND AND OWNER PRIOR TO THE WORK BEING PERFORMED. THE USE OF NATIVE SOILS WITHIN TRENCHES REQUIRING GRAVEL WILL ONLY BE ACCEPTED WITH THE APPROVAL OF THE GEOTECHNICAL ENGINEER, AND THE NATIVE SOILS MUST BE COMPACTED TO A MINIMUM OF 105 PERCENT MAXIMUM DRY DENSITY. THE USE OF NATIVE SOILS AS TRENCH BACKFILL SHALL NOT PRECLUDE THE MINIMUM ASPHALT SECTION REQUIREMENTS AS IDENTIFIED ON THE

4.AT LOCATIONS WHERE NATIVE SOILS ARE USED, RESULTING IN A PUMPING, UNSTABLE TRENCH CONDITIONS, OR THE SOILS USED CONTAIN UNSUITABLE PRODUCTS, THE CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIALS AND REPLACE WITH APPROPRIATE NATIVE MATERIAL OR IMPORTED GRAVEL STRUCTURAL FILL MATERIAL, AT THE CONTRACTOR'S EXPENSE.

5.THE BOTTOM OF UTILITY TRENCHES SHALL HAVE A STABLE, NON-YIELDING, SOIL CONDITION SUITABLE FOR SUPPORTING THE DESIGN LOADS. WHERE THE BOTTOM OF TRENCH CONDITIONS EXHIBIT PLIMPY, VIELDING CONDITIONS, THE BOTTOM OF TRENCH SHALL BE OVER EXCAVATED TO EXPOSE FIRM. STABLE MATERIAL. AND BACKFILL WITH TWO INCH TO FOUR INCH SHOT ROCK MATERIAL. WHERE OVER EXCAVATING EXPOSES SIMILAR UNSTABLE CONDITIONS. TRENCH OVER EXCAVATION SHALL BE DONE TO TWO FEET BELOW THE PIPE BEDDING MATERIAL AND BACKFILLED WITH TWO INCH TO FOUR INCH SHOT ROCK MATERIAL.

6.THE CONTRACTOR SHALL PROVIDE AND COORDINATE WITH PUGET SOUND ENERGY, VERIZON NORTHWEST, COMCAST CABLE SERVICES AND CASCADE NATURAL GAS FOR THE UNDERGROUND INSTALLATION OF POWER, TELEPHONE, UTILITIES AND VAULT TRENCHING AND BACKFILLING AS REQUIRED AND DELINEATED ON SAID UTILITY PLANS TO PROVIDE SERVICE TO LOTS SHOWN HEREIN, UNLESS SPECIFICALLY IDENTIFIED OTHERWISE ON THE PLANS, ALL NONMETALLIC UTILITY CONDUITS SHALL HAVE DETECTABLE MARKING TAPE CONFORMING TO WSDOT SECTION 9-15.18 INSTALLED DURING CONDUIT PLACEMENT.

7.PEA GRAVEL SHALL NOT BE USED WITHIN ANY PORTION OF THE WATER SYSTEM.

8.THE OWNER SHALL RETAIN LICENSED AND QUALIFIED PERSONNEL TO PROVIDE COMPACTION TESTING FOR THE FOLLOWING: A. TRENCHES WITH THREE FEET OR LESS OF GRAVEL TRENCH BACKFILL: TOP CENTER OF UTILITY TRENCH AT 50-FEET INTERVALS.

- B. TRENCHES WITH MORE THAN THREE FEET OF GRAVEL TRENCH BACKFILL: TOP CENTER OF UTILITY TRENCH AND MID-DEPTH OF TRENCH, BOTH AT 50-FEET INTERVALS. ALL TEST RESULTS SHALL MEET OR EXCEED THE SPECIFICATIONS. ALL AREAS THAT DO NO MEET THE REQUIRED SPECIFICATIONS SHALL BE RECOMPACTED AND RETESTED AT NO ADDITIONAL COST TO THE OWNER.
- C. ANY AREAS THAT YIELD, DEFLECT OR PUMP UNDERNEATH NORMAL CONSTRUCTION TRAFFIC AS DIRECTED BY THE ENGINEER SHALL BE RECOMPACTED AND RETESTED AT NO ADDITIONAL COST TO THE OWNER.

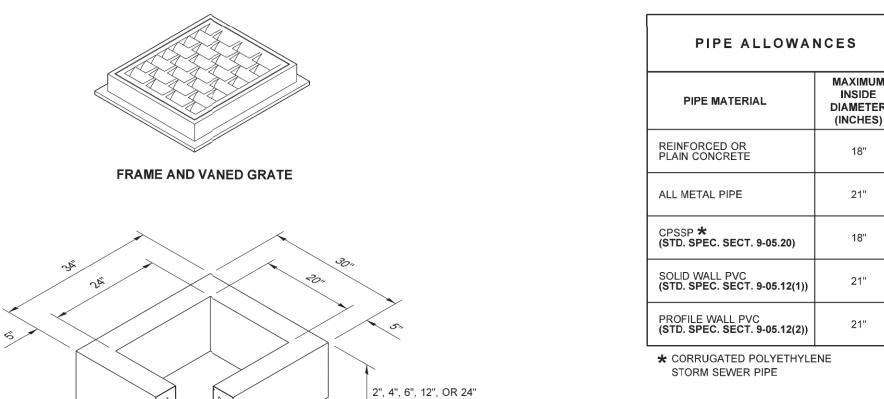
9. AS COMPACTION TESTS ARE PERFORMED, THE OWNER IS RESPONSIBLE FOR PROVIDING ALL COMPACTION TESTING RECORDS TO THE CONTRACTOR, ENGINEER AND CITY OF PORT TOWNSEND PUBLIC WORKS DEPARTMENT.

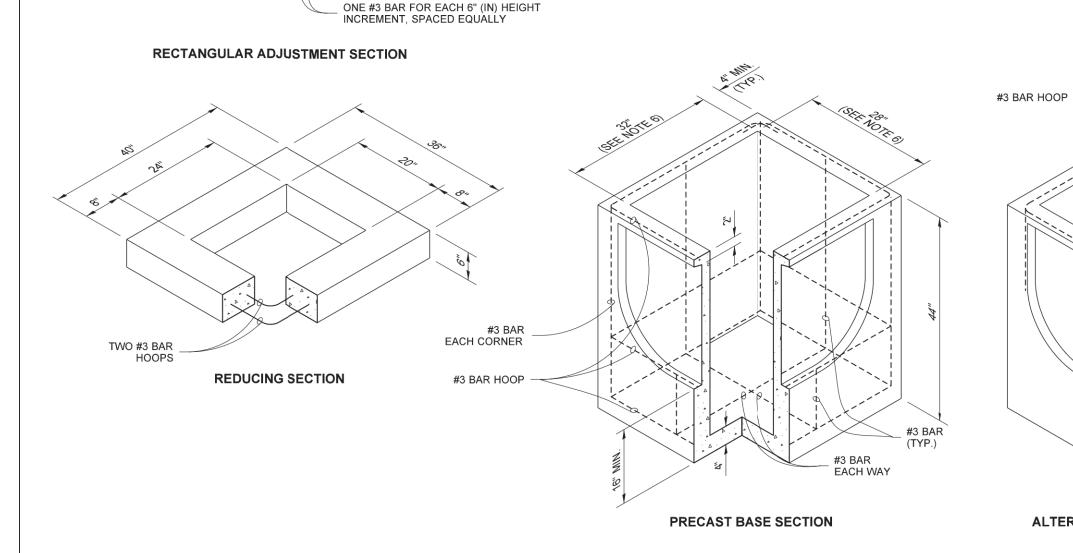
10. ALL TRENCH EXCAVATION OVER A DEPTH OF 4 FEET SHALL BE SHORED AND CRIBBED IN ACCORDANCE WITH THE REQUIREMENTS. OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, CHAPTER 49.17 RCW, AND IN ACCORDANCE WITH SECTION 2.09 OF THE

11. IF GROUND WATER IS ENCOUNTERED, TRENCH DRAINS SHALL BE INSTALLED IN TRENCHES WITH GROUND WATER CONDITIONS. SAID DRAINS SHALL GRAVITY DRAIN TO DAYLIGHT OR THE NEAREST CATCH BASIN. PERFORATED PIPE OPENINGS SHALL BE SIZED TO NOT ALLOW BEDDING MATERIAL INTO SAID DRAIN PIPE.

CONFLICT NOTE

ALL CONSTRUCTION WITH IN CITY OF PORT TOWNSEND RIGHT OF WAY SHALL BE IN COMPLIANCE WITH THE CITY OF PORT TOWNSEND CONSTRUCTION STANDARDS. IN THE EVENT THAT THERE IS A CONFLICT BETWEEN THE PROJECT PLANS AND SPECIFICATIONS, THE CITY OF PORT TOWNSEND CONSTRUCTION TANDARDS/NOTES SHALL BE USED.





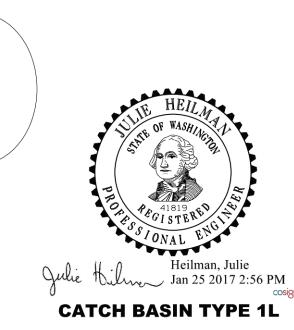
MAXIMUM DIAMETER

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 shall not be greater than 26" (in), in any direction. 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 down or integrally cast into the adjustment section with flange up.
- 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 basin has been placed.

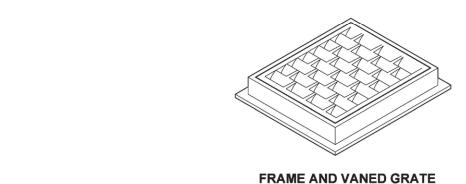
#3 BAR FACH CORNER

18" (IN) MIN



STANDARD PLAN B-5.40-02 SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION Jan 26 2017 6:49 AM Washington State Department of Transportation



PUBLIC WORKS DEPARTMENT

DATE:

2/27/2024

NOTE: THIS APPROVAL IS VALID

FOR 1 YEAR FROM THE DATE OF

CONFORMANCE WITH CITY #3 BAR HOOP

ON THESE PLANS. FIELD #3 BAR EACH WAY

APPROVAL. THIS APPROVAL IS

STANDARDS AND APPLICABLE

PERMIT APPROVAL CONDITIONS

THE CITY IS NOT RESPONSIBLE

CONDITIONS MAY NECESSITATE

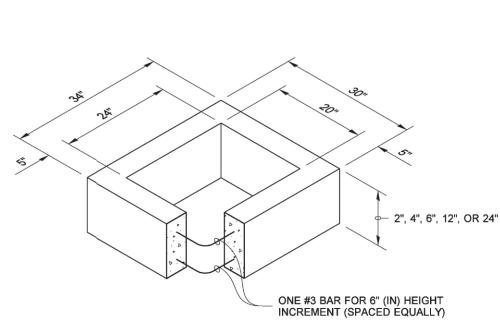
FOR ERRORS AND/OR OMISSIONS

CHANGES AS APPROVED AND/OR DETERMINED BY THE CITY OF

ONLY FOR REVIEW FOR

PORT TOWNSEND

#3 BAR EACH CORNER



RECTANGULAR ADJUSTMENT SECTION

PRECAST BASE SECTION

MAXIMUM INSIDE PIPE MATERIAL DIAMETER (INCHES) REINFORCED OR PLAIN CONCRETE 12" ALL METAL PIPE 15" CPSSP * (STD. SPEC. SECT. 9-05.20) SOLID WALL PVC (STD. SPEC. SECT. 9-05.12(1)) PROFILE WALL PVC (STD. SPEC. SECT. 9-05.12(2)) ★ CORRUGATED POLYETHYLENE STORM SEWER PIPE

#3 BAR EACH CORNER

#3 BAR HOOP

#3 BAR (TYP.)

18" (IN) MIN.

(SEE NOTE 1)

ALTERNATIVE PRECAST BASE SECTION

PIPE ALLOWANCES

NOTES

ALTERNATIVE PRECAST BASE SECTION

- 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
- 2. The knockout diameter shall not be greater than 20" (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 down, or integrally cast into the adjustment section with flange up.
- 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 basin has been placed.

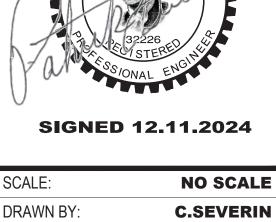


CATCH BASIN TYPE 1

STANDARD PLAN B-5.20-03 SHEET 1 OF 1 SHEET

Roark, Steve Digitally signed by Roark, Steve Date: 2020.09.09 09:45:23 -07'00' STATE DESIGN ENGINEER Vashington State Department of Transportation

APPROVED FOR PUBLICATION



ANI

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C

P.SEVERIN

P.SEVERIN

Sound Development Group

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SHEET REVISIONS

NO. DATE DESCRIPTION

10.24.24 CITY REVISION

11.25.24 CITY REVISION

DRAWN BY: **DESIGNED BY P.SEVERIN** DATE: 03.05.2024 JOB NUMBER: 24013 DWG NAME: **24013PLN.DWG** SHEET NUMBER: