US Army Corps
of Engineers
Seattle District

# Public Notice of Application for Permit

**US Army Corps of Engineers**
Regulatory Branch
4735 E. Marginal Way S., Bldg 1202
Seattle, WA 98134-2388
Telephone: (206) 437-1244
ATTN: Daisy Douglass,
Project Manager

**Public Notice Date**: **June 24, 2025**
**Expiration Date**: **July 1, 2025**

**Reference No.: NWS-2020-735-B**
**Name: Snohomish Public Utility District (Hat Island Submarine Power Cable Replacement)**

Interested parties are hereby notified that the following request associated with Snohomish Public Utility District (PUD) Hat Island Submarine Power Cable Replacement has been submitted for a Department of the Army (DA) permit under the provisions of Section 10 of the Rivers and Harbors Act of 1899 and Section 404 of the Clean Water Act, as amended. In Executive Order (EO) 14156 the President declared a national emergency under the National Emergencies Act (50 U.S.C. 1621) based on the finding that the United States' insufficient energy production, transportation, refining, and generation constitutes an unusual and extraordinary threat to our Nation's economy, national security, and foreign policy. The U.S. Army Corps of Engineers (Corps), Seattle District has found this permit request meets the terms of EO 14156 and is therefore subject to emergency permitting procedures to address an energy supply situation which would result in an unacceptable hazard to life, a significant loss of property, or an immediate, unforeseen, and significant economic hardship if corrective action requiring a permit is not undertaken within a time period less than the normal time needed to process the application under standard procedures. The Seattle District will implement the special processing procedures approved by Northwestern Division in accordance with 33 CFR § 325.2(e)(4), work described below and shown on the enclosed drawings dated June 20, 2025.

The Corps has reviewed the work in accordance with Section 14 of the Rivers and Harbors Act of 1899, as codified at 33 U.S.C. Section 408 (Section 408), for work that may alter a Corps Civil Works project. An alteration is defined as any action that builds upon, alters, improves, moves, occupies or otherwise affects the usefulness, structural or ecological integrity of a Corps' federally authorized project. The proposed project has been evaluated for East Bay Federal Navigation Channel and Pt. Gardner PSDDA (Puget Sound Dredge Placement Area) site and a No Alteration Determination has been provided with conditions.

APPLICANT: Snohomish County Public Utility District #1
Attention: Jessica Sparks
P.O. Box 1107
Everett, Washington 98206
Telephone: (425) 783-8132

NWS-2020-735-B; Snohomish Public Utility District (Hat Island Submarine Power Cable Replacement)

LOCATION: In Possession Sound near Everett, Snohomish County, Washington.

WORK: Snohomish Public Utility District (PUD) proposes to install a new, approximately 32,200-linear-foot (LF) electric submarine cable along the subsea route from the Port of Everett to Hat Island waterward of the High Tide Line (HTL).

PURPOSE: To maintain power services on Hat Island, Snohomish County, Washington.

ADDITIONAL INFORMATION:
The proposed project involves installing a new, three-phase electric submarine cable from the mainland within the Port of Everett to service Hat Island. The existing 16,000-LF submarine cable which spans from Hat Island to the Tulalip Tribes Reservation (Mission Beach) would remain a redundancy measure until failure.

The project would upgrade the existing 1974 subsea cable by installing approximately 32,000 LF of subsea cable with two landfall approaches: Port of Everett (new landfall) and Hat Island (existing landfall). Horizontal Directional Drilling (HDD), a trenchless pipeline installation method, would install a landfall conduit at both the Port of Everett and Hat Island so the overlying soil and vegetation are not disturbed. A high-density-polyethylene (HDPE) conduit of up to 8- to 12-inch outer diameter would be installed up to 1000 LF from entry to exit point (-55ft MLLW) at the Port of Everett and up to 600 LF from entry to exit point (-30 ft MLLW) at Hat Island. The submarine cable would then be installed inside the conduit such that excavation or disturbance of the overlying tidelands is not required.

The installation has been designed to exit beyond the eelgrass mapped on the Hat Island side of the channel, that extends up to 200 feet offshore of Hat Island and 1000 feet offshore of Port of Everett. No eelgrass was observed on the Port of Everett side. The remaining cable between the conduits at the Port of Everett and Hat Island would be directly laid along unvegetated substrate in the deeper portions of Possession Sound from a barge-mounted spool.

At both landing sites, connections would be made to the local infrastructure. On the Port of Everett side, 700 LF of 4-inch conduit and conductors would be trenched into public right-of-way with a switch vault, transformer vault, and two-junction box vaults. On the Hat Island side, there would be a new switch and transformer, with less than 200 LF of 4-inch conduit.

Copies of this public notice feature color drawing that we believe more accurately communicate the scope of project impacts. To access the electronic version of this public notice, go to the Seattle District's web page at http://www.nws.usace.army.mil/ and under the heading Open Public Comment Periods select Regulatory Public Notices. Recently-issued public notices are listed in chronological order by the date of issuance. Select and view the listing for this project.

The location of the line of mean high water and high tide line shown on the project drawings have not yet been verified by the U.S. Army Corps of Engineers (Corps). If the Corps

determines the boundaries of the wetland/waters are substantially inaccurate, a new public notice may be published.

MITIGATION: No mitigation is proposed.

ENDANGERED SPECIES: The Endangered Species Act (ESA) requires federal agencies to consult with the National Marine Fisheries Service (NMFS) and/or U.S. Fish and Wildlife Service (USFWS) pursuant to Section 7 of the ESA on all actions that may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat. If the Corps determines the project may affect a species listed (or proposed for listing) under the ESA as threatened or endangered or any designated critical habitat, the Corps would consult with NMFS and USFWS in accordance with the special processing procedures approved by Northwestern Division, under 50 CFR Part 402.05 in accordance with Section 7 of the Endangered Species Act.

ESSENTIAL FISH HABITAT: If the Corps determines the proposed action may adversely affect EFH for federally managed fisheries in Washington waters, the Corps will coordinate with NMFS in accordance with the special processing procedures approved by Northwestern Division.

CULTURAL RESOURCES: If the Corps determines the proposed action requires Section 106 consultation under the National Historic Preservation Act, the Corps would initiate Section 106 consultation in accordance with the special processing procedures approved by Northwestern Division, under 36 CFR Part 800.12 in accordance with Section 106 of the National Historic Preservation Act.

EVALUATION: This application will be reviewed in accordance with 33 CFR Parts 320-332 and the decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefits, that reasonably may be expected to accrue from the proposal, must be balanced against its reasonably foreseeable detriments. All factors that may be relevant to the proposal will be considered, including the cumulative effects thereof. Among those are conservation, economics, aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, floodplain values, land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and in general, the needs and welfare of the people. The Washington Department of Ecology has or will evaluate the proposed project in accordance with Section 401 of the Clean Water Act and for consistency with the Coastal Zone Management Act.

The Corps is soliciting comments from the public; Native American Nations or tribal governments; Federal, State, and local agencies and officials; and other interested parties in order to consider and evaluate the impacts of this activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for

the work. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine overall public interest in the activity.

The described discharge will be evaluated for compliance with guidelines promulgated by the Environmental Protection Agency under authority of Section 404(b)(1) of the CWA. These guidelines require an alternatives analysis for any proposed discharge of dredged or fill material into waters of the United States.

SOURCE OF FILL MATERIAL: The source of the fill material will be commercial.

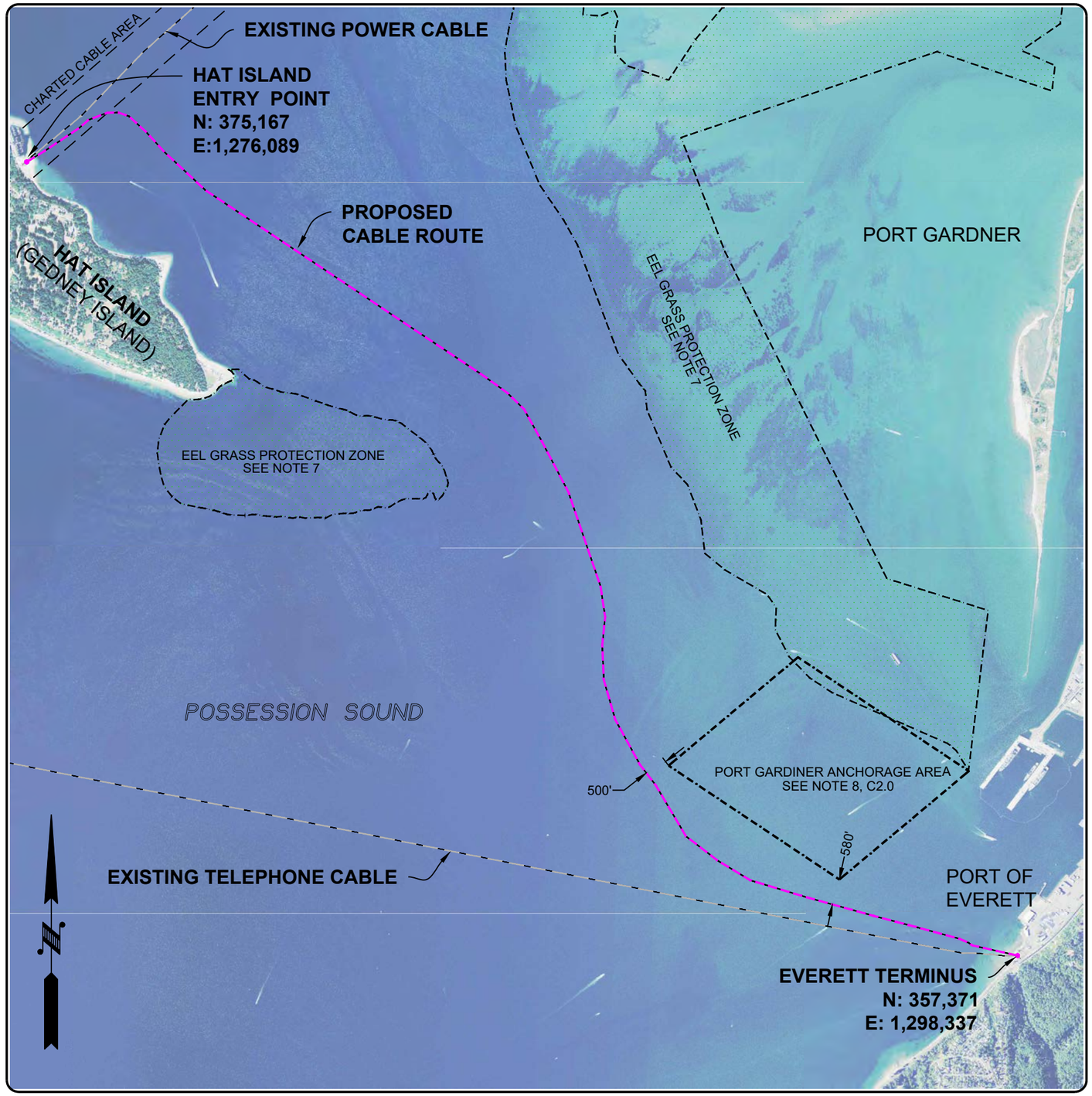
COMMENT AND REVIEW PERIOD: Conventional mail or e-mail comments on this public notice will be accepted and made part of the record and will be considered in determining whether authorizing the work would not be contrary to the public interest. To be accepted, e-mail comments must originate from the author's e-mail account and must include on the subject line of the e-mail message the permit applicant's name and reference number as shown below. All e-mail comments should be sent to daisy.p.douglass@usace.army.mil. Either conventional mail or e-mail comments must include the permit applicant's name and reference number, as shown below, and the commenter's name, address, and phone number. All comments received will become part of the administrative record and are subject to public release under the Freedom of Information Act including any personally identifiable information such as names, phone numbers, and addresses. All comments, whether conventional mail or e-mail, must reach this office, no later than the expiration date of this public notice to ensure consideration.

You may also now submit project specific comments to the Corps through the new Regulatory Request System (RRS) through this link: https://rrs.usace.army.mil/rrs, click Public Notices and filter to Washington State to see all current Seattle District Public Notices, including this notice. You may submit your comments directly through this portal.

Conventional mail comments should be sent to:
U.S. Army Corps of Engineers, Regulatory Branch, Attention: Daisy Douglass,
4735 E. Marginal Way S, Bldg 1202, Seattle, Washington, 98134-2388.

To ensure proper consideration of all comments, responders must include the following name and reference number in the text of their comments: "Snohomish Public Utility District (Hat Island Submarine Power Cable); NWS-2020-735-B".

Encl: Figures (19)




## GENERAL PROJECT OVERVIEW

SCALE: 1"=2500'

1" = 2500'

0 2500 5000

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025
Page 1 of 19

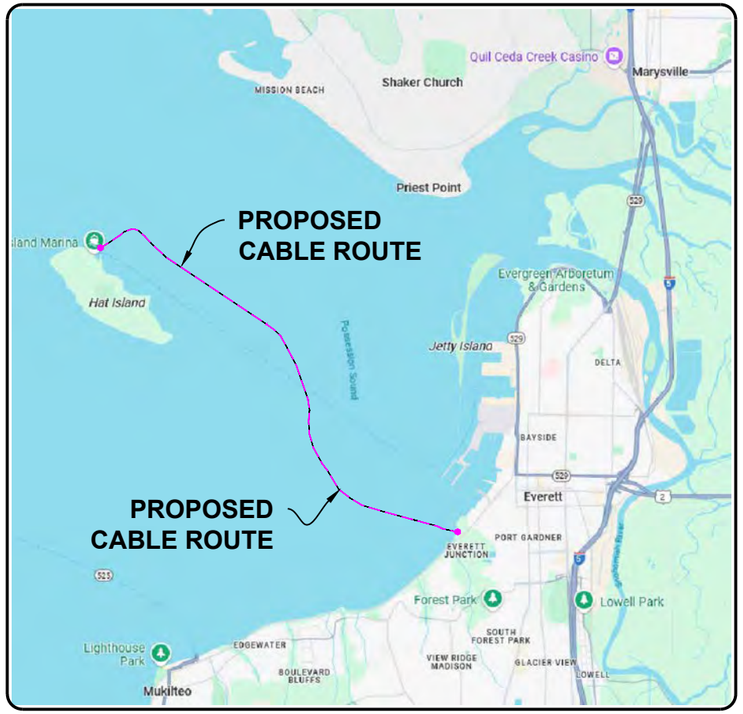
**PERMIT SET**

# GENERAL PROJECT DESCRIPTION

SNOHOMISH COUNTY PUBLIC UTILITY DISTRICT NO. 1 PROPOSES INSTALLATION OF A NEW SUB-SEA POWER CABLE . THE CABLE SPANS FROM UPLAND OF PORT OF EVERETT OWNERSHIP ACROSS POSSESSION SOUND APPROXIMATELY 6.3 MILES TO AN EXISTING POWER CONNECTION NEAR THE MARINA AT HAT ISLAND. BOTH LANDWARD ENTRY/EXIT POINTS WILL EMPLOY HORIZONTAL DIRECTIONAL DRILLING (HDD) AS SHOWN ON ATTACHED PROFILE SHEETS.

## CABLE LENGTHS

| SEGMENT | 3D DISTANCE | 2D PLAN DISTANCE |
|---|---|---|
| SUBMARINE CABLE DISTANCE HDD ENTRY POINT TO ENTRY POINT | 32,250 LF | 32,128 LF |
| HAT ISLAND HDD VAULT TO HDD ENTRY POINT | 472 LF | 464 LF |
| PORT OF EVERETT HDD VAULT TO HDD ENTRY POINT | 973LF | 958LF |




## VICINITY MAP

NOT TO SCALE

SOURCE: GOOGLE MAPS

## LOCATION INFORMATION

EVERETT SITE:
SITE ADDRESS: 2920 TERMINAL AVENUE, EVERETT, WA. 98201
LOCATED IN GOVERNMENT LOT 2, SECTION 25, TOWNSHIP 29 NORTH, RANGE 4 EAST, W.M. SNOHOMISH COUNTY, WASHINGTON.

HAT ISLAND SITE:
SITE ADDRESS: HAT ISLAND MARINA, PORT SUSAN DR, EVERETT, WA. 98206
GOVERNMENT LOT 4, SECTION 8, TOWNSHIP 29 NORTH, RANGE 4 EAST, W.M. SNOHOMISH COUNTY, WASHINGTON.

**SNOCO PFN 25 102526 LDA**

SNOHOMISH COUNTY PUD
PUBLIC UTILITY DISTRICT NO. 1

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | 1"=2000' |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

REVISIONS

DATE

ROBERT K. SCHNEIDER
STATE OF WASHINGTON
32492
REGISTERED
PROFESSIONAL ENGINEER

DHITTLE & ASSOCIATES, INC.
Engineers and Consultants
7515 WEST DESCHUTES AVENUE
KENNEWICK, WA 99336
(509) 735-5350

HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
PERMIT SET
**COVER SHEET**

| REV | DRAWING |
|---|---|
| 0 | P1.0 |

C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P1.0 COVERSHEET.DWG

# SHEET INDEX



# LEGEND

## EXISTING

- UTILITY POLE ANCHOR
- UTILITY POLE
- TRANSFORMER
- LIGHT POST
- POWER VAULT
- BOLLARD
- POWER METER
- JUNCTION BOX
- PILING
- STORM DRAIN CATCH BASIN
- STORM DRAIN MANHOLE
- YD AREA DRAIN
- SANITARY SEWER MANHOLE
- WATER METER
- WATER VALVE
- FIRE HYDRANT
- FAUCET
- IRRIGATION VALVE
- WELL HEAD
- MAIL BOX
- TELEPHONE MANHOLE
- TELEPHONE PEDESTAL/MARKER
- ALDER TREE
- CEDAR TREE
- PINE TREE
- DECIDUOUS TREE
- MADRONA TREE
- FLAG POLE
- SIGN
- CULVERT
- GAS LINE
- DITCH CENTERLINE
- STORM DRAIN
- SEWER LINE
- OVERHEAD POWER
- OVERHEAD TELEPHONE
- UNDERGROUND POWER
- UNDERGROUND TELEPHONE
- CHAIN LINK FENCE
- WOOD FENCE
- EXISTING SUB SEA CABLE
- PROPERTY LINE
- PROPOSED EASEMENT LINE

## PROPOSED

- NEW HDD CABLE / SUB SEA CABLE
- CABLE AND CONDUIT IN TRENCH
- T ELECTRIC TRANSFORMER
- J JUNCTION BOX
- S ELECTRIC SWITCH VAULT
- SP ELECTRIC SPLICE VAULT
- CABLE CROSSING DAYMARK
- POWER POLE

## ABBREVIATIONS

AFN - AUDITOR'S FILE NUMBER
APN - ASSESSOR'S PARCEL NUMBER
BVC - BEGIN VERTICAL CURVE
CONC - CONCRETE
CB - CATCH BASIN
CL - CENTERLINE
CMP - CORRUGATED METAL PIPE
CPP - CORRUGATED PLASTIC PIPE
CONC - CONCRETE
DIA - DIAMETER
ELT - EXTREME LOW TIDE
ESMT - EASEMENT
EVC - END VERTICAL CURVE
FDC - FIRE DEPARTMENT CONNECTION
FT - U.S. SURVEY FEET
G.E. - GRATE ELEVATION
HAT - HIGHEST ASTRONOMICAL TIDE
HDD - HORIZONTAL DIRECTIONAL DRILLING
HTL - HIGH TIDE LINE
I.E. - INVERT ELEVATION
LS - LAND SURVEYOR
MHW - MEAN HIGH WATER
MHHW - MEAN HIGHER HIGH WATER
MLLW - MEAN LOWER LOW WATER
MLW - MEAN LOW WATER
OHWM - ORDINARY HIGH WATER MARK
PVC - POLYVINYL CHLORIDE
PMA - PORT MANAGEMENT AGREEMENT
R.O.- REVERSE OSMOSIS
SD - STORM DRAIN
SS - SANITARY SEWER
SSMH - SANITARY SEWER MANHOLE
STA - STATION
SWPPP - STORMWATER POLLUTION PREVENTION PLAN
TESC - TEMPORARY EROSION AND SEDIMENT CONTROL
TYP - TYPICAL
YD - YARD DRAIN

SNOHOMISH COUNTY PUD
PUBLIC UTILITY DISTRICT NO. 1

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | NA |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

REVISIONS | DATE

ROBERT K. SCHNEIDER
STATE OF WASHINGTON
32492
REGISTERED
PROFESSIONAL ENGINEER


DHITTLE & ASSOCIATES, INC.
Engineers and Consultants
7515 WEST DESCHUTES AVENUE
KENNEWICK, WA 99336
(509) 735-5350


HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
PERMIT SET
**SHEET INDEX & LEGEND**

| REV | DRAWING |
|---|---|
| 0 | P2.0 |

**PERMIT SET**

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025

**SNOCO PFN 25 102526 LDA**

# DATUM AND TIDAL INFORMATION

1. BASIS OF BEARINGS FOR THIS PROJECT IS GRID NORTH, WASHINGTON COORDINATE SYSTEM NORTH ZONE NAD 83 (2011): BASED ON GLOBAL NAVIGATION SATELLITE SYSTEM (GNSS) OBSERVATIONS.

2. VERTICAL DATUM IS MEAN LOWER LOW WATER (MLLW), NOAA STATION 9447659 EVERETT, WA EPOCH 1983-2001. TIDAL DATUMS AND SUBSEQUENT CONVERSIONS ARE AS FOLLOWS:

| DATUM | ELEVATION |
|---|---|
| MEAN LOWER LOW WATER (MLLW) | 0.00 (HELD) |
| NAVD88 | 2.03 |
| MEAN LOW WATER (MLW) | 2.80 |
| MEAN HIGH WATER (MHW) | 10.21 |
| MEAN HIGHER HIGH WATER (MHHW) | 11.09 |
| HIGHEST ASTRONOMICAL TIDE (HAT) | 13.17 |
| NGVD 29 | ± -1.63 |

3. TEMPORARY SITE VERTICAL BENCHMARKS:
   PORT OF EVERETT: 1/2" REBAR WITH WITH :"SNOCO PUD" CAP" APPROXIMATELY 12. 6 FT SOUTH OF EXISTING LIGHT POST IN BONE YARD. SEE SHEET P8.0 ELEVATION = 16.81 (PROJECT DATAUM) 18.84 (NAVD88)
   HAT ISLAND MARINA: TOP OF USGS MONUMENT STAMPED "GEDNEY NORTH 3 1971" SET IN CONCRETE AT SE CORNER OF EXISTING PICNIC PAVILLION. SEE SHEET P4.0 ELEVATION = 13.28 (PROJECT DATUM) 15.31 (NAVD88)

4. EXTREME LOW TIDE (ELT) AS SHOWN HEREON, AND AS DEFINED BY PUBLISHED DNR GUIDANCE MEANS THE LINE AS ESTIMATED BY THE FEDERAL GOVERNMENT BELOW WHICH IT MIGHT REASONABLY BE EXPECTED THAT THE TIDE WOULD NOT EBB. IN THE PUGET SOUND AREA OF WASHINGTON STATE, THIS LINE IS ESTIMATED BY THE FEDERAL GOVERNMENT TO BE A POINT IN ELEVATION 4.50 FEET (PLUS OR MINUS 0.5 FEET) BELOW THE DATUM PLANE OF MEAN LOWER LOW WATER, (0.0).

5. ALL DISTANCES AND ELEVATIONS SHOWN HEREON ARE IN FEET AND DECIMALS THEREOF.

6. TERRESTRIAL AREAS OF HAT ISLAND WERE SURVEYED AND MAPPED BY HARMSEN LLC IN DECEMBER AND JANUARY OF 2019.

7. BATHYMETRIC INFORMATION PROVIDED BY TETRATECH BATHYMETRIC SURVEY CONDUCTED BETWEEN AUGUST 8 AND SEPTEMBER 15, 2022.

8. SNOHOMISH WATERSHED KELP AND EEL GRASS PROTECTION ZONE SHOWN AS DESCRIBED ON DNR COMMISSIONER OF PUBLIC LAND'S ORDER NUMBER 202201, SIGNED MARCH 16, 2022.

9. ANCHOR AREA PLOTTED PER COORDINATES PROVIDED BY CFR 110.230 (5) PORT GARDNER GENERAL ANCHORAGE.

# SURVEY NOTE & CERTIFICATION

THIS PERMIT SET IS A COMPILATION OF A NUMBER OF INDEPENDENT DATA SETS WHICH INCLUDE FEDERAL, STATE, AND LOCALLY AVAILABLE RECORD DATA, REMOTELY SENSED DATA (Lidar), AND DATA PREPARED SPECIFICALLY FOR THIS PROJECT.

SPECIFIC SURVEY WORK TO DATE HAS INCLUDED THE REFERENCED BATHYMETRIC DATA ALONG THE CABLE ROUTE PREPARED BY TETRA TECH BETWEEN AUGUST 8 AND SEPTEMBER 15, 2022. DATA AND REPORTS WERE STAMPED UNDER SEPARATE REPORT PREPARED FOR SAID INFORMATION.

CERTIFICATION HEREON IS LIMITED TO THOSE TERRESTRIAL (UPLAND) AREAS OF HAT ISLAND WERE THE SUBJECT OF TOPOGRAPHIC SURVEY AND MAPPING BY HARMSEN LLC IN DECEMBER AND JANUARY OF 2019. IN ADDITION, SELECTED HORIZONTAL AND VERTICAL CONTROL POINTS AT THE PORT OF EVERETT SITE WERE VERIFIED BY HARMSEN PRIMARILY AS THEY PERTAINED TO TO EASEMENT DESCRIPTIONS AND LOCATIONS AS SHOWN ON SHEET P6. SURVEY WORK WAS CONDUCTED IN MAY OF 2023. AT SUCH TIME AS THIS CONSTRUCTION PLANS ARE FINALIZED A RECORDED SURVEY OF THE DNR AQUATIC LEASE WILL BE REQUIRED FOR THE SUBSEA CABLE ROUTE.

JAMES A. HILDENBRAND
STATE OF WASHINGTON
53688
REGISTERED
PROFESSIONAL LAND SURVEYOR
6/18/25

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025


**PERMIT SET**

**SNOCO PFN 25 102526 LDA**

SNOHOMISH COUNTY PUD
PUBLIC UTILITY DISTRICT NO. 1

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | 1"=2000' |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

REVISIONS | DATE

ROBERT K. SCHNEIDER
STATE OF WASHINGTON
32492
REGISTERED
PROFESSIONAL ENGINEER

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KENNEWICK, WA 99336
(509) 735-5350

HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
PERMIT SET
**GENERAL NOTES SHEET**

| REV | DRAWING |
|---|---|
| 0 | P3.0 |

1" = 30'
0 30 60

ROCK WALL
R.O. WATER INTAKE ASSEMBLY WITH VALVES AND PIPING
ECOLOGY BLOCK WALL
12" LOG BARRIER
DOE UNIQUE WELL ID# AFT302
WATER OVERFLOW ASSEMBLY WITH VALVES
3' TALL WOOD FENCE
PARKING AREA
LOG BARRIER
CONCRETE BOAT RAMP
12" LOG BARRIER
HIGH TIDE LINE (HTL)
DOE UNIQUE WELL ID# AFT301
R.O. PIPE AS SHOWN ON PUD PLAN
MEAN LOWER LOW WATER
EXISTING POWER CABLE
EXPOSED POWER CONDUIT/CABLE
BURIED CABLE SIGN
NEW CABLE CROSSING DAY MARK.
SHOREWARD EDGE OF EEL GRASS BED AS LOCATED AND MAPPED BY JEN-JAY INC. SEPTEMBER 2019
PROPOSED HDD SUB SEA CABLE ALIGNMENT
MEAN LOW WATER
DRIFTWOOD PILE
POSSESSION SOUND
MEAN HIGH TIDE LINE
KAYAK RACKS
INTERPRETIVE SIGN
TRAVELED WAY (UNIMPROVED ROAD)
WORK LIMITS & STAGING AREA
WORK LIMITS & STAGING AREA
PROTECT EXISTING TREES DURING CONSTRUCTION
MADRONA 10"
MADRONA 16"
EXISTING POWER CABLE
HDD DRILL RIG & PIT AREA
HDD CONNECTION POINT
STA 12+00.0
N: 375,167
E:1,276,089
VERTICAL BENCHMARK
SEE NOTE 3, SHEET P3.0
DRIFTWOOD PILE OBSERVED OHWM
FIRE PIT
COVERED PAVILION OVER CONCRETE SLAB WITH BBQ AND PICNIC TABLES
HIGH TIDE LINE (HTL)
RESTROOM BUILDING
LOG BEACH ACCESS SIGN
SHORELINE ZONE (200 FT FROM OHWM)
EXISTING DISTRIBUTION LINES
PROPOSED CABLE. TRENCH AND CONDUIT
TIE TO EXISTING DISTRIBUTION
HORSESHOE PIT
10+00
11+00
12+00
13+00
14+00

## PROPOSED EASEMENTS

**A** 20-FT EASEMENT EXTENDING TO EXTREME LOW TIDE FOR CABLE CROSSING OVER AND UNDER HAT ISLAND COMMUNITY INC. PROPERTY

**B** 38-FT WIDE EASEMENT OVER PORT OF HAT ISLAND COMMUNITY INC PROPERTY TO CONTAIN VAULTS AND FIBER CABLE ROUTING FOR NEW CABLE.

**C** TEMPORARY CONSTRUCTION EASEMENT OVER PORTIONS OF HAT ISLAND COMMUNITY INC. PROPERTY

**PERMIT SET**

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025


**SNOCO PFN 25 102526 LDA**

C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P4.0 HAT ISL GENERAL SITE PLAN.DWG

SNOHOMISH COUNTY PUD PUBLIC UTILITY DISTRICT NO. 1

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | 1"=30' |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

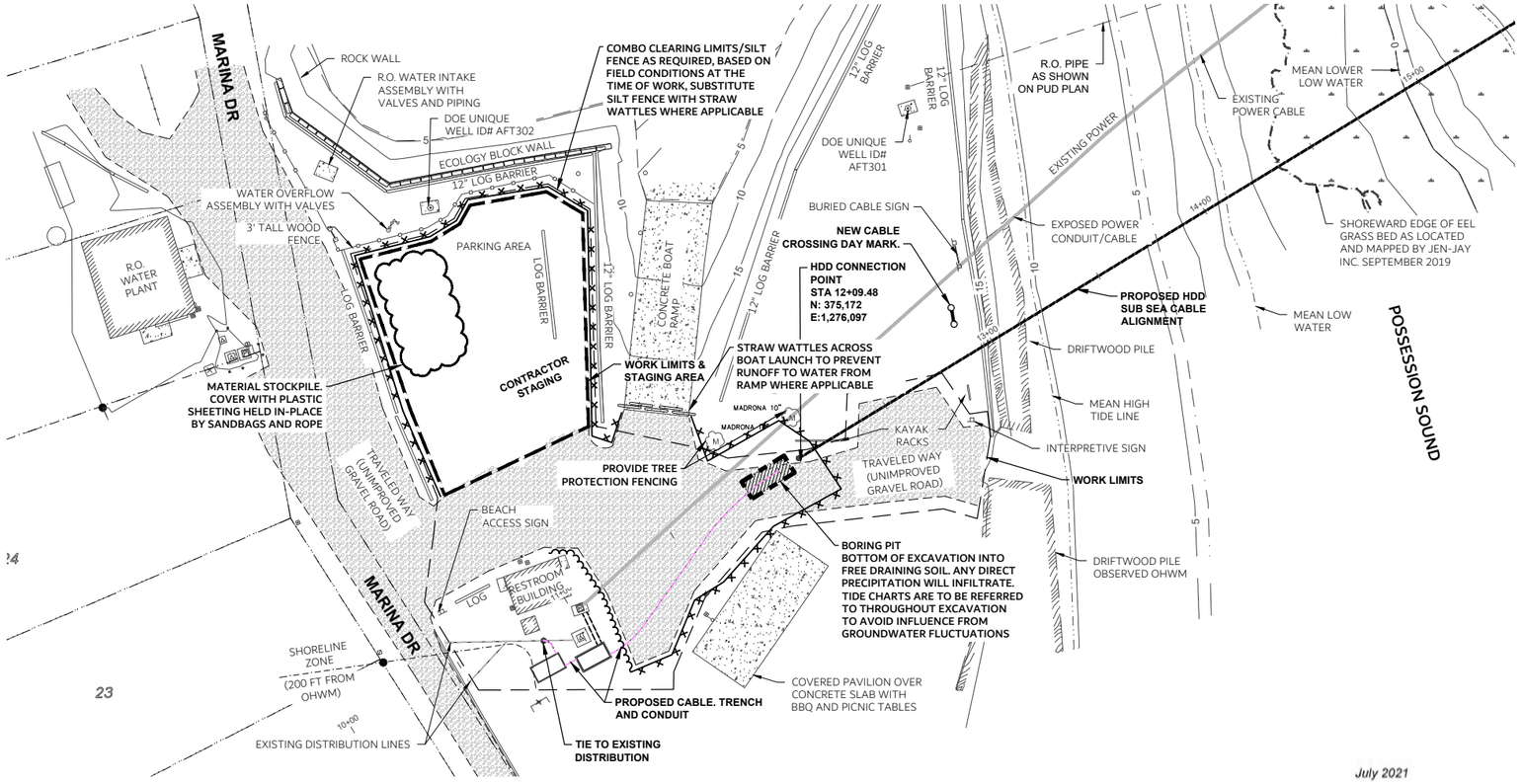
REVISIONS
DATE

ROBERT K. SCHNEIDER STATE OF WASHINGTON 32492 REGISTERED PROFESSIONAL ENGINEER

DHITTLE & ASSOCIATES, INC.
Engineers and Consultants
7515 WEST DESCHUTES AVENUE
KENNEWICK, WA 99336
(509) 735-5350

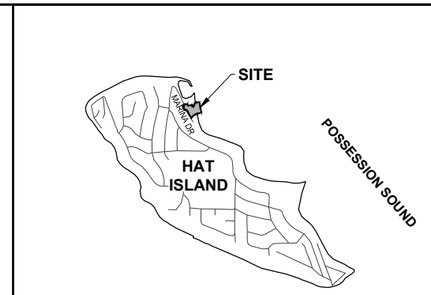
HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
PERMIT SET
**HAT ISLAND GENERAL SITE PLAN**

| REV | DRAWING |
|---|---|
| 0 | P4.0 |




July 2021




## VICINITY MAP

SCALE 1" = 2000'

## LEGEND

### EXISTING

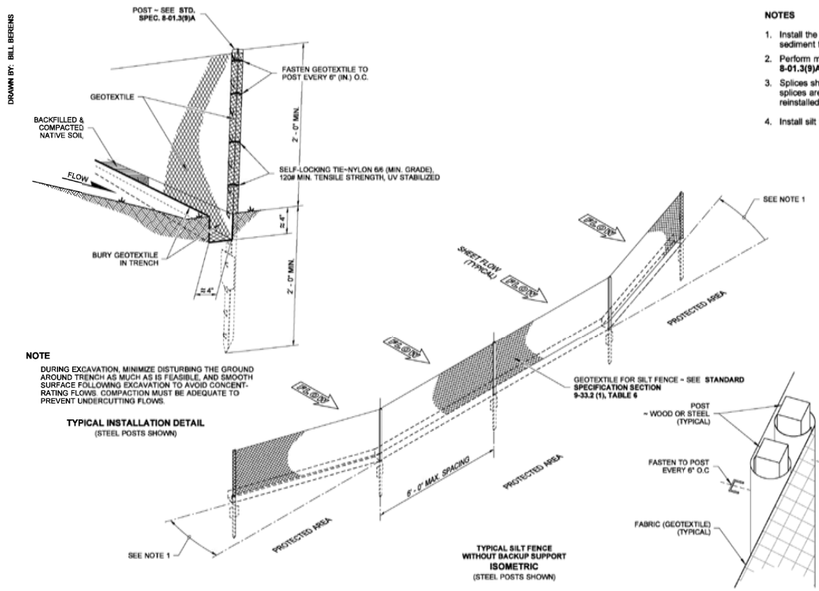
- UTILITY POLE ANCHOR
- UTILITY POLE
- TRANSFORMER
- POWER VAULT
- POWER METER
- JUNCTION BOX
- WATER METER
- WATER VALVE
- FAUCET
- TELEPHONE PEDESTAL/MARKER
- MADRONA TREE
- SIGN
- CHAIN LINK FENCE
- WOOD FENCE
- EXISTING SUB SEA CABLE
- PROPERTY LINE

### PROPOSED

- NEW HDD CABLE / SUB SEA CABLE
- CABLE AND CONDUIT IN TRENCH
- ELECTRIC TRANSFORMER
- JUNCTION BOX
- ELECTRIC SWITCH GEAR CABLE
- CROSSING DAYMARK POWER
- POLE

### SWPP LEGEND

- CLEARING LIMITS (BMP C101)
- SILT FENCE (BMP C233)




NOTES

1. Install the ends of the silt fence to point slightly upslope to prevent sediment from flowing around the ends of the fence.
2. Perform maintenance in accordance with **Standard Specifications 8-01.3(9)A and 8-01.3(16).**
3. Splices shall never be placed in low spots or sump locations. If splices are located in low or sump areas, the fence may need to be reinstalled unless the Project Engineer approves the installation.
4. Install silt fencing parallel to mapped contour lines.

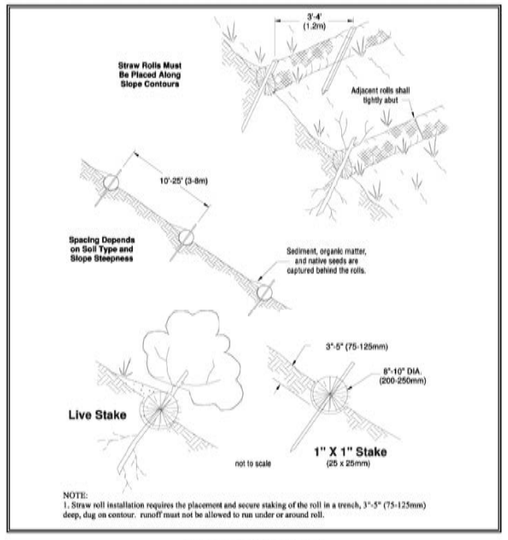
STATE OF WASHINGTON
REGISTERED LANDSCAPE ARCHITECT
SANDRA L. SALISBURY
CERTIFICATE NO. 000860

**SILT FENCE**

**STANDARD PLAN I-30.15-02**

SHEET 1 OF 1 SHEET

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




NOTE:
1. Straw roll installation requires the placement and secure staking of the roll in a trench, 3"-5" (75-125mm) deep, dug on contour. runoff must not be allowed to run under or around roll.

Figure 4.23 Straw Wattles



## CONTACTS


**OWNER**
HAT ISLAND COMM INC.
3616 COLBY AVE
EVERETT, WA 98201

**PUD CONTACT**
ERIC SCHNEIDER, PE
SNOHOMISH COUNTY PUD #1
425-783-8624
easchneider@snopud.com

**CIVIL ENGINEER**
DAVID HARMSEN
HARMSEN, LLC
2822 COLBY AVE., SUITE 300
EVERETT, WA. 98201
360-794-7811
davidh@harmsenllc.com

**SURVEYOR**
JASON FIELDS
HARMSEN, LLC
603 S 1ST ST
MOUNT VERNON, WA 98273
360-794-7811
davidh@harmsenllc.com


## SITE INFORMATION

SITE ADDRESS:
30-C PORT SUSAN DR
HAT ISLAND, WA 98206

TAX PARCELS
00466300003000, 00466300003001

## LAND DISTURBING AREA

| | | |
|---|---|---|
| TOTAL SITE AREA (WORK LIMITS) | 23,250 SF | (0.54 AC) |
| IMPERVIOUS AREA | | |
| EXISTING | 23,250 SF | |
| NEW | 0 SF | |
| REPLACED | 2,500 SF | |
| NEW + REPLACED | 2,500 SF | |
| TOTAL IMPERVIOUS | 23,250 SF | |
| LAND DISTURBING ACTIVITY | | |
| CONCEPTUAL AREA OF DISTURBANCE | 8,700 SF | (0.20 AC) |
| SITE GRADING | | |
| CUT | 1,400 CY | |
| FILL | 1,400 CY | |

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025
Page 5 of 19

**PERMIT SET**

**SNOCO PFN 25 102526 LDA**

SNOHOMISH COUNTY PUD PUBLIC UTILITY DISTRICT NO. 1

| | |
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| WO | 100045299 |
| TASK | |
| SCALE | |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

REVISIONS | DATE

DAVID W. HARMSEN
STATE OF WASHINGTON
23745
REGISTERED PROFESSIONAL ENGINEER
6/18/25


HARMSEN
2822 COLBY AVE, SUITE 300
EVERETT WA, 98201
425-252-1884
WWW.HARMSENLLC.COM


HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
PERMIT SET

**HAT ISLAND SITE PREPARATION & SWPPP**

| REV | DRAWING |
|---|---|
| 0 | P5.0 |

C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P5.0 HAT SWPPP.DWG 6/19/2025

## BMP T5.13: POST-CONSTRUCTION SOIL QUALITY

THIS BMP SHALL BE USED IN THE LANDSCAPED AREAS ON THE SITE AND ANY OTHER DISTURBED AREAS.

PURPOSE AND DEFINITION
NATURALLY OCCURRING (UNDISTURBED) SOIL AND VEGETATION PROVIDE IMPORTANT STORMWATER FUNCTIONS INCLUDING: WATER INFILTRATION; NUTRIENT, SEDIMENT, AND POLLUTANT ADSORPTION; SEDIMENT AND POLLUTANT BIOFILTRATION; WATER INTERFLOW STORAGE AND TRANSMISSION; AND POLLUTANT DECOMPOSITION. THESE FUNCTIONS ARE LARGELY LOST WHEN DEVELOPMENT STRIPS AWAY NATIVE SOIL AND VEGETATION AND REPLACES IT WITH MINIMA! TOPSOIL AND SOD. NOT ONLY ARE THESE IMPORTANT STORMWATER FUNCTIONS LOST, BUT SUCH LANDSCAPES THEMSELVES BECOME POLLUTION- GENERATING PERVIOUS SURFACES DUE TO INCREASED USE OF PESTICIDES, FERTILIZERS AND OTHER LANDSCAPING AND HOUSEHOLD/INDUSTRIAL CHEMICALS, THE CONCENTRATION OF PET WASTES, AND POLLUTANTS THAT ACCOMPANY ROADSIDE LITTER,

ESTABLISHING SOIL QUALITY AND DEPTH REGAINS GREATER STORMWATER FUNCTIONS IN THE POST DEVELOPMENT LANDSCAPE, PROVIDES INCREASED TREATMENT OF POLLUTANTS AND SEDIMENTS THAT RESULT FROM DEVELOPMENT AND HABITATION, AND MINIMIZES THE NEED FOR SOME LANDSCAPING CHEMICALS, THUS REDUCING POLLUTION THROUGH PREVENTION.

APPLICATIONS AND LIMITATIONS
ESTABLISHING A MINIMUM SOIL QUALITY AND DEPTH IS NOT THE SAME AS PRESERVATION OF NATURALLY OCCURRING SOIL AND VEGETATION. HOWEVER, ESTABLISHING A MINIMUM SOIL QUALITY AND DEPTH WILL PROVIDE IMPROVED ON-SITE MANAGEMENT OF STORMWATER FLOW AND WATER QUALITY.

SOIL ORGANIC MATTER CAN BE ATTAINED THROUGH NUMEROUS MATERIALS SUCH AS COMPOST, COMPOSTED WOODY MATERIAL, BIOSOLIDS, AND FOREST PRODUCT RESIDUALS. IT IS IMPORTANT THAT THE MATERIALS USED TO MEET THE SOIL QUALITY AND DEPTH BMP BE APPROPRIATE AND BENEFICIAL TO THE PLANT COVER TO BE ESTABLISHED. LIKEWISE, IT IS IMPORTANT THAT IMPORTED TOPSOILS IMPROVE SOIL CONDITIONS AND DO NOT HAVE AN EXCESSIVE PERCENT OF CLAY FINES.

DESIGN GUIDELINES
SOIL RETENTION
THE DUFF LAYER AND NATIVE TOPSOIL SHOULD BE RETAINED IN AN UNDISTURBED STATE TO THE MAXIMUM EXTENT PRACTICABLE. IN ANY AREAS REQUIRING GRADING REMOVE AND STOCKPILE THE DUFF LAYER AND TOPSOIL ON SITE IN A DESIGNATED, CONTROLLED AREA, NOT ADJACENT TO PUBLIC RESOURCES AND CRITICAL AREAS, TO BE REAPPLIED TO OTHER PORTIONS OF THE SITE WHERE FEASIBLE.

SOIL QUALITY
ALL AREAS SUBJECT TO CLEARING AND GRADING THAT HAVE NOT BEEN COVERED BY IMPERVIOUS SURFACE, INCORPORATED INTO A DRAINAGE FACILITY OR ENGINEERED AS STRUCTURAL FILL OR SLOPE SHALL, AT PROJECT COMPLETION, DEMONSTRATE THE FOLLOWING:

1. A TOPSOIL LAYER WITH A MINIMUM ORGANIC MATTER CONTENT OF TEN PERCENT DRY WEIGHT IN PLANTING BEDS, AND 5% ORGANIC MATTER CONTENT (BASED ON A LOSS-ON-IGNITION TEST) IN TURF AREAS, AND A PH FROM 6.0 TO 8.0 OR MATCHING THE PH OF THE ORIGINAL UNDISTURBED SOIL. THE TOPSOIL LAYER SHALL HAVE A MINIMUM DEPTH OF EIGHT INCHES EXCEPT WHERE TREE ROOTS LIMIT THE DEPTH OF INCORPORATION OF AMENDMENTS NEEDED TO MEET THE CRITERIA. SUBSOILS BELOW THE TOPSOIL LAYER SHOULD BE SCARIFIED AT LEAST 4 INCHES WITH SOME INCORPORATION OF THE UPPER MATERIAL TO AVOID STRATIFIED LAYERS, WHERE FEASIBLE.

2. PLANTING BEDS MUST BE MULCHED WITH 2 INCHES OF ORGANIC MATERIAL

3. QUALITY OF COMPOST AND OTHER MATERIALS USED TO MEET THE ORGANIC CONTENT REQUIREMENTS:
   A. THE ORGANIC CONTENT FOR "PRE-APPROVED" AMENDMENT RATES CAN BE MET ONLY USING COMPOST THAT MEETS THE DEFINITION OF "COMPOSTED MATERIALS" IN WAC 173-350-220. THIS CODE IS AVAILABLE ONLINE AT:
   HTTP://WWW.ECY.WA.GOVFPROGRAMS/SWFA/FACILITIES/350.HTML.

   COMPOST USED IN BIORETENTION AREAS SHOULD BE STABLE, MATURE AND DERIVED FROM YARD DEBRIS, WOOD WASTE, OR OTHER ORGANIC MATERIALS THAT MEET THE INTENT OF THE ORGANIC SOIL AMENDMENT SPECIFICATION. BIOSOLIDS AND MANURE COMPOSTS CAN BE HIGHER IN BIO-AVAILABLE PHOSPHORUS THAN COMPOST DERIVED FROM YARD OR PLANT WASTE AND THEREFORE ARE NOT ALLOWED IN BIORETENTION AREAS DUE TO THE POSSIBILITY OF EXPORTING BIO-AVAILABLE PHOSPHORUS IN EFFLUENT.

   THE COMPOST MUST ALSO HAVE AN ORGANIC MATTER CONTENT OF 35% TO 65%, AND A CARBON TO NITROGEN RATIO BELOW 25:1.

   THE CARBON TO NITROGEN RATIO MAY BE AS HIGH AS 35:1 FOR PLANTINGS COMPOSED ENTIRELY OF PLANTS NATIVE TO THE PUGET SOUND LOWLANDS REGION.

   B. CALCULATED AMENDMENT RATES MAY BE MET THROUGH USE OF COMPOSTED MATERIALS AS DEFINED ABOVE; OR OTHER ORGANIC MATERIALS AMENDED TO MEET THE CARBON TO NITROGEN RATIO REQUIREMENTS, AND MEETING THE CONTAMINANT STANDARDS OF GRADE A COMPOST.

THE RESULTING SOIL SHOULD BE CONDUCIVE TO THE TYPE OF VEGETATION TO BE ESTABLISHED.

IMPLEMENTATION OPTIONS: THE SOIL QUALITY DESIGN GUIDELINES LISTED ABOVE CAN BE MET BY USING ONE OF THE METHODS LISTED BELOW.
1. LEAVE UNDISTURBED NATIVE VEGETATION AND SOIL, AND PROTECT FROM COMPACTION DURING CONSTRUCTION.

2. AMEND DISTURBED SOIL ACCORDING TO THE FOLLOWING PROCEDURES:

   A. SCARIFY SUBSOIL TO A DEPTH OF ONE FOOT
   B. IN PLANTING BEDS, PLACE THREE INCHES OF COMPOST AND TILL IN TO AN EIGHT-INCH DEPTH.
   C. IN TURF AREAS, PLACE TWO INCHES OF COMPOST AND TILL IN TO AN EIGHT-INCH DEPTH.
   D. APPLY TWO TO FOUR INCHES OF ARBORIST WOOD CHIP, COARSE BARK MULCH, OR COMPOST MULCH TO PLANTING BEDS AFTER FINAL PLANTING.

ALTERNATIVELY, DISTURBED SOIL CAN BE AMENDED ON A SITE-CUSTOMIZED MALULER SO THAT IT MEETS THE SOIL QUALITY CRITERIA SET FORTH ABOVE, AS DETERMINED BY A LICENSED ENGINEER, GEOLOGIST, LANDSCAPE ARCHITECT, OR OTHER PERSON AS APPROVED BY SNOHOMISH COUNTY.

3. STOCKPILE EXISTING TOPSOIL DURING GRADING, AND REPLACE IT PRIOR TO PLANTING. STOCKPILED TOPSOIL MUST BE AMENDED IF NEEDED TO MEET THE ORGANIC MATTER AND DEPTH REQUIREMENTS BY FOLLOWING THE PROCEDURES IN METHOD (2) ABOVE.

4. IMPORT TOPSOIL MIX OF SUFFICIENT ORGANIC CONTENT AND DEPTH TO MEET THE ORGANIC MATTER AND DEPTH REQUIREMENTS.

MORE THAN ONE METHOD MAY BE USED ON DIFFERENT PORTIONS OF THE SAME SITE. SOIL THAT ALREADY MEETS THE DEPTH AND ORGANIC MATTER QUALITY STANDARDS, AND IS NOT COMPACTED, DOES NOT NEED TO BE AMENDED.

MAINTENANCE
1. SOIL QUALITY AND DEPTH SHOULD BE ESTABLISHED TOWARD THE END OF CONSTRUCTION AND ONCE ESTABLISHED, SHOULD BE PROTECTED FROM COMPACTION, SUCH AS FROM LARGE MACHINERY USE, AND FROM EROSION.

2. SOIL SHOULD BE PLANTED AND MULCHED AFTER INSTALLATION.

3. PLANT DEBRIS OR ITS EQUIVALENT SHOULD BE LEFT ON THE SOIL SURFACE TO REPLENISH ORGANIC MATTER.

## SITE GRADING AND T.E.S.C.P. NOTES

1. ALL GRADING SHALL COMPLY TO CHAPTER 30.63A AND CHAPTER 30.63B OF THE SNOHOMISH COUNTY UNIFIED DEVELOPMENT CODE AND CHAPTER 18 OF THE INTERNATIONAL BUILDING CODE.

2. FLAG CONSTRUCTION LIMITS.

3. PUBLIC STREETS ARE TO BE KEPT CLEAR OF DIRT AND DEBRIS DURING EXCAVATION AND FILL OPERATIONS.

4. THE TEMPORARY EROSION/SEDIMENTATION CONTROL FACILITIES SHALL BE CONSTRUCTED PRIOR TO ANY GRADING OR EXTENSIVE LAND CLEARING IN ACCORDANCE WITH THE APPROVED TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED.

5. NONCOMPLIANCE WITH THE EROSION CONTROL REQUIREMENTS, WATER QUALITY REQUIREMENTS AND/OR CLEARING LIMITS MAY RESULT IN REVOCATION OF PROJECT PERMITS, PLAN APPROVAL AND BOND FORECLOSURES.

6. CONSTRUCTION ACCEPTANCE WILL BE SUBJECT TO A WELL ESTABLISHED GROUND COVER THAT FULFILLS THE REQUIREMENT OF THE APPROVED CONSTRUCTION PLANS AND SNOHOMISH COUNTY UNIFIED CODE (CHAPTER 30.63b)

7. ALL AREAS TO BE SEEDED SHALL BE CULTIVATED TO THE SATISFACTION OF THE COUNTY INSPECTOR. THIS MAY BE ACCOMPLISHED BY DISCING, RAKING, HARROWING OR OTHER ACCEPTABLE MEANS. PERFORM ALL CULTURAL OPERATIONS ACROSS OR AT RIGHT ANGLES TO THE SLOPE. IF NECESSARY, SURFACE RUNOFF CONTROL MEASURES SUCH AS GRADIENT TERRACES, INTERCEPTOR DIKE/SWALES, LEVEL SPREADERS, AND SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO SEEDING.

8. PERMANENT SEEDING FOR GROUND COVER SHOULD INCLUDE IMPORTED TOPSOIL, ON-SITE, SUITABLE STOCKPILED TOPSOIL, OR ELSE IMPORTED SOD SHOULD BE PROPOSED.

9. ALL DISTURBED AREAS SUCH AS RETENTION FACILITIES, ROADWAY BACK-SLOPES, ETC. SHALL BE SEEDED WITH A PERENNIAL GROUND COVER GRASS TO MINIMIZE EROSION. GRASS SEEDING WILL BE DONE USING AN APPROVED HYDROSEEDER OR AS OTHERWISE APPROVED BY SNOHOMISH COUNTY.

10. IMMEDIATELY FOLLOWING FINISH GRADING, PERMANENT VEGETATION (CONSISTING OF RAPID, PERSISTENT AND LEGUME) WILL BE APPLIED. (MINIMUM 80# PER ACRE). THIS IS TO INCLUDE THE FOLLOWING: 20% ANNUAL, PERENNIAL OR HYBRID RYE GRASS, 40% CREEPING RED FESCUE, 40% WHITE CLOVER. HYDROSEED REQUIRED.

11. FERTILIZER SHALL BE APPLIED AT 400# PER ACRE OF 10-20-20 (10 POUNDS PER 1100 SQUARE FEET) OR EQUIVALENT. DEVELOPMENTS ADJACENT TO WATER BODIES SHALL USE NON-PHOSPHORUS FERTILIZER.

12. STOCKPILES ARE TO BE LOCATED IN SAFE AREAS AND ADEQUATELY PROTECTED TO PREVENT EROSION. HYDROSEEDING IS PREFERRED.

13. GENERAL: FILL PLACED BENEATH FOUNDATION FOOTINGS, SLABS, PAVEMENT, OR OTHER SETTLEMENT-SENSITIVE STRUCTURES SHOULD BE PLACED AS STRUCTURAL FILL. STRUCTURAL FILL, BY DEFINITION, IS PLACED IN ACCORDANCE WITH PRESCRIBED METHODS AND STANDARDS, AND IS MONITORED BY AN EXPERIENCED GEOTECHNICAL PROFESSIONAL OR SOILS TECHNICIAN. FIELD MONITORING PROCEDURES WOULD INCLUDE THE PERFORMANCE OF A REPRESENTATIVE NUMBER OF IN-PLACE DENSITY TESTS TO DOCUMENT THE ATTAINMENT OF THE DESIRED DEGREE OF RELATIVE COMPACTION. THE AREA TO RECEIVE THE FILL SHOULD BE STRIPPED OF TOPSOIL AND ORGANICS AND BE THOROUGHLY COMPACTED TO A NON-YIELDING CONDITION.

14. MATERIALS: STRUCTURAL FILL SHOULD CONSIST OF A GOOD QUALITY, GRANULAR SOIL, FREE OF ORGANICS AND OTHER DELETERIOUS MATERIAL AND BE WELL-GRADED. THE USE OF ON-SITE SOILS SHALL BE EVALUATED PER THE GEOTECHNICAL REPORT PRIOR TO CONSTRUCTION.

15. FILL PLACEMENT: PLACEMENT OF STRUCTURAL FILL AND COMPACTION SHALL BE AS REQUIRED BY THE GEOTECHNICAL FIRM AND REPORT RECOMMENDATIONS. AT A MINIMUM, ALL EMBANKMENTS SHALL BE BUILT AND COMPACTED ACCORDING TO WSDOT STD. SPEC. 2.03.3(14)C METHOD B. THE ROADWAY SUBGRADE SHALL BE PREPARED PER WSDOT SPEC. 2-06.3. THE COUNTY INSPECTOR SHALL BE PROVIDED WITH CERTIFICATION FROM THE TESTING LAB OF THE COMPACTION OF THE ROADWAY BED PRIOR TO PAVING. AREAS TO RECEIVE FILL SHALL BE PROOF ROLLED. ALL LOOSE AND SOFT AREAS SHALL BE REMOVED AND REPLACED WITH STRUCTURAL FILL. COPIES OF ALL COMPACTION TESTING AND INSPECTION REPORTS SHALL BE PROVIDED TO THE COUNTY WITH THE CONSTRUCTION AS-BUILT SUBMITTALS.

16. TEMPORARY COVER BMP'S ARE REQUIRED TO STABILIZE EXPOSED SOILS. NOTES SHOULD CONTAIN BMP'S TIMING IN ACCORDANCE WITH THE FOLLOWING; [30.63A.220(1)]
   A. IF PROJECT GRADING IS PROPOSED BETWEEN OCTOBER 1 AND APRIL 30, NO SOIL MAY REMAIN EXPOSED FOR MORE THAN 2 DAYS.
   B. IF PROJECT GRADING IS PROPOSED BETWEEN MAY 1 AND SEPTEMBER 30, NO SOIL MAY REMAIN EXPOSED FOR MORE THAN 7 DAYS.
   C. DENUDED AREAS SHALL BE COVERED BY MULCH, SOD, PLASTIC, OR OTHER COVER BMP'S.
   D. SOIL STOCKPILES SHALL BE STABILIZED OR PROTECTED WITH SEDIMENT RETENTION BMP'S WITHIN 24 HOURS OF FORMATION.
   E. GRADING AND CONSTRUCTION SHALL BE TIMED AND CONDUCTED IN STAGES TO MINIMIZE SOIL EXPOSURE.

17. SITE WORK SHALL COMPLY WITH SCC 7.53 FOR CONSTRUCTION WATER QUALITY.

18. A CERTIFIED EROSION CONTROL SPECIALIST SHALL BE ASSIGNED TO THE PROJECT AND BE RESPONSIBLE FOR MONITORING THE SITE'S TESC FACILITIES AND RUNOFF (IF ANY) AND BE AVAILABLE 24 HOURS A DAY DURING CONSTRUCTION. SEE SHEET C1.0 FOR CONTACT INFORMATION.

19. STOCKPILE ADDITIONAL TESC MEASURES FOR EMERGENCY APPLICATIONS. STOCKPILE ITEMS INCLUDE, BUT ARE NOT LIMITED TO, SILT FENCE AND STRAW BALES.

20. AT A MINIMUM, INSPECT THE EROSION CONTROL FACILITIES WEEKLY AND AFTER ANY RUNOFF PRODUCING STORM EVENT.

21. ANY NECESSARY REPAIRS TO THE TESC FACILITIES SHALL BE PERFORMED BEFORE OTHER SITEWORK COMMENCES.

22. CONTRACTOR SHALL APPLY FOR AND OBTAIN A HAUL ROUTE AGREEMENT WITH SNOHOMISH COUNTY.

## GENERAL NOTES

1. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE APPLICABLE EDITIONS OF THE SNOHOMISH COUNTY ENGINEERING DESIGN AND DEVELOPMENT STANDARDS (EDDS), SNOHOMISH COUNTY CODE, WASHINGTON STATE DEPARTMENT OF TRANSPORTATION/AMERICAN PUBLIC WORKS ASSOCIATION STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, AND THE SNOHOMISH COUNTY DRAINAGE MANUAL.

2. THE PROJECT IS VESTED TO THE 2021 EDITION OF THE SNOHOMISH COUNTY ENGINEERING DESIGN AND DEVELOPMENT STANDARDS. THE CONTRACTOR SHALL KEEP A SET OF THE EDDS ON SITE AT ALL TIMES.

3. ALL WORK PERTAINING TO THIS PROJECT SHALL BE SUBJECT TO INSPECTION BY THE COUNTY INSPECTOR OR HIS DESIGNATED REPRESENTATIVE. PRIOR TO BEGINNING ANY SITE WORK, THE CONTRACTOR SHALL CONTACT THE COUNTY INSPECTOR AT (425) 388-3338 AND SCHEDULE A PRE-CONSTRUCTION CONFERENCE.

4. IF THE PROJECT SITE AS DEFINED IN SCC 30.63A.91S.351 IS MORE THAN ONE ACRE, THE CESCL IDENTIFIED IN THE SWPPP NARRATIVE SHALL BE ON SITE OR ON CALL AT ALL TIMES (SCC30.63A.510).

5. THE CESCL SHALL NOTIFY THE COUNTY INSPECTOR IN WRITING ANY TIME A BMP PROVES TO BE INADEQUATE RESULTING IN AN ACTUAL DISCHARGE OF OR POSES A POTENTIAL TO DISCHARGE A SIGNIFICANT AMOUNT OF ANY POLLUTANT PURSUANT TO SCC 7.53 TO WATERS OF THE STATE OR THE COUNTY'S MS-4 DRAINAGE SYSTEM (SCC30.63A.510). SAID NOTIFICATION SHALL BE MADE WITHIN 24 HOURS OF THE DISCHARGE EVENT OR PROBLEM IDENTIFICATION.

6. IF INDIVIDUALS REVIEWING OR INSPECTING WORK ARE REPLACED DURING CONSTRUCTION, INCLUDING BUT NOT LIMITED TO THE CIVIL ENGINEER, SOILS ENGINEER, CESCL OR THE ENGINEERING GEOLOGIST, WORK REQUIRING THEIR REVIEW SHALL BE STOPPED UNTIL ANOTHER QUALIFIED PERSON AGREES TO ACCEPT RESPONSIBILITY AND NOTIFIES PLANNING & DEVELOPMENT SERVICES IN WRITING (SCC 30.63A.855 AND SCC 30.63B.340(4)).

7. A ROW USE PERMIT IS REQUIRED FROM THE DPW FOR ANY LANE/ROAD CLOSURES WITHIN THE SNOHOMISH COUNTY ROW. CONTACT DPW AT LEAST 15 DAYS PRIOR TO CONSTRUCTION ACTIVITY WITHIN THE PUBLIC ROW. SNOHOMISH COUNTY DOES NOT HAVE JURISDICTION ON STATE ROUTES OR ROADWAYS WITHIN INCORPORATED CITIES, PRIVATE ROADS OR PRIVATE PROPERTY. FOR ANY ACTIVITY ENCROACHING ON SUCH PROPERTY THE APPLICANT SHALL OBTAIN PERMISSION FROM THE APPROPRIATE AUTHORITY.

8. FIELD CHANGES REQUIRING REDESIGN SHALL BE SUBMITTED AND APPROVED PRIOR TO CONSTRUCTION.

9. ENGINEERED RECORD DRAWINGS SHALL BE REQUIRED PRIOR TO SITE APPROVAL (EDDS SECTION 10-05).

10. SURVEY MONUMENTS SHALL BE FOUND AND SET IN ACCORDANCE WITH SNOHOMISH COUNTY ENGINEERING DESIGN AND DEVELOPMENT STANDARDS (EDDS), CHAPTER 4-03, DETAIL 4-130. MONUMENTS AND PROPERTY CORNERS SHALL BE PROTECTED FROM DISTURBANCE DURING CONSTRUCTION. A LICENSED SURVEYOR SHALL OBTAIN A PERMIT FOR REMOVAL OR REPLACEMENT OF ANY ROW MONUMENTS, SURVEY MONUMENTS, OR PROPERTY CORNERS IN ACCORDANCE WITH STATE LAW AND WAC 332-120 PRIOR TO ANY DISTURBANCE TO THE CORNER. THE POINTS TO BE PROTECTED OR REPLACED SHALL BE RELOCATED BY A PROFESSIONAL LAND SURVEYOR AND SHOWN ON THE CONSTRUCTION PLANS.

11. REMOVE ABANDONED PIPES WITHIN THE RIGHT-OF-WAY.

12. ALL PIPES SHALL HAVE A MINIMUM OF 12" COVER AT THE TOP OF THE BELL, OR SHALL HAVE MINIMUM COVER PER THE MANUFACTURER'S SPECIFICATIONS, WHICHEVER IS GREATER. [EDDS 5-05.1.9]

13. PRIOR TO PLACING ANY SURFACE MATERIALS ON THE ROADWAY, IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER OR UTILITY TO PROVIDE DENSITY TEST REPORTS (AS SPECIFIED IN EDDS) CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF WASHINGTON. [EDDS 8-05.]

14. APPROVED PERMANENT TRAFFIC CONTROL SIGNS AND MARKINGS WITHIN THE PUBLIC RIGHT-OF-WAY (ROW) SHALL BE INSTALLED BY COUNTY FORCES. THE DEVELOPER SHALL PAY FOR INSTALLATION OF ALL DEVICES. THE INSPECTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS (DPW) TRAFFIC OPERATIONS WHEN THE PROJECT IS READY FOR CHANNELIZATION AND SIGNING. IF COUNTY FORCES ARE UNAVAILABLE TO PERFORM THE STRIPING INSTALLATION WITHIN AN APPROPRIATE TIME FRAME, THE PERMIT HOLDER SHALL CONTRACT FOR THE STRIPING INSTALLATION. DPW TRAFFIC OPERATIONS SHALL BE CONTACTED AT LEAST 2 DAYS IN ADVANCE OF INSTALLATION TO VERIFY CHANNELIZATION LAYOUT.

15. DURING PROJECT CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL TEMPORARY CONSTRUCTION SIGNS, TRAFFIC CONTROL SIGNS, DELINEATORS AND TEMPORARY MARKINGS AS REQUIRED. ALL SIGNS, TRAFFIC CONTROL SIGNS, DELINEATORS AND TEMPORARY MARKINGS SHALL BE ACCORDING TO THE CURRENT MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

16. ACCESS BY EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

17. AFTER WORK WITHIN THE TRAVELED ROADWAY IS COMPLETED AT THE END OF EACH DAY, THE ROAD SHALL BE CLEARED OF DEBRIS AND EQUIPMENT, AND COMPLETELY OPEN TO TRAFFIC (UNLESS OTHERWISE APPROVED BY THE DEPARTMENT OF PUBLIC WORKS OF THE COUNTY). LIGHTED BARRICADES OR BARRELS SHALL DELINEATE ALL AREAS WITHIN THE ROADWAY AFFECTED BY CONSTRUCTION (I.E. EDGE OF PAVEMENT, NEW CURB EDGES NOT ILLUMINATED BY STREET LIGHTS).

18. THE DEVELOPER/CONTRACTOR SHALL BE RESPONSIBLE FOR INTERIM TRAFFIC CONTROL DURING CONSTRUCTION ON OR ALONG TRAVELED COUNTY ROADWAYS. THE DEVELOPER/CONTRACTOR MUST SUBMIT A TRAFFIC CONTROL PLAN TO PUBLIC WORKS (PERMIT COUNTER) AND RECEIVE APPROVAL PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION.

19. THE WORKMANSHIP AND MATERIALS FOR ALL UNDERGROUND UTILITY INSTALLATIONS WITHIN THE COUNTY R/W SHALL BE IN ACCORDANCE WITH EDDS SECTIONS 8-02, 8-04, 8-05, 8-09 AND THE MOST RECENT COPY OF THE STATE OF WASHINGTON STANDARD SPECIFICATIONS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION (WSDOT/APWA).

## SWPPP BEST MANAGEMENT PRACTICES

FOR BEST MANAGEMENT PRACTICES AND THEIR MAINTENANCE, REFER TO THE PROJECT SURFACE WATER POLLUTION PREVENTION PLAN NARRATIVE.

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025


**PERMIT SET**

**SNOCO PFN 25 102526 LDA**

C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P5.0 HAT SWPPP.DWG 6/19/2025

SNOHOMISH COUNTY PUD
PUBLIC UTILITY DISTRICT NO. 1

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

REVISIONS | DATE

DAVID W. HARMSEN
STATE OF WASHINGTON
23745
REGISTERED
PROFESSIONAL ENGINEER
6/18/25

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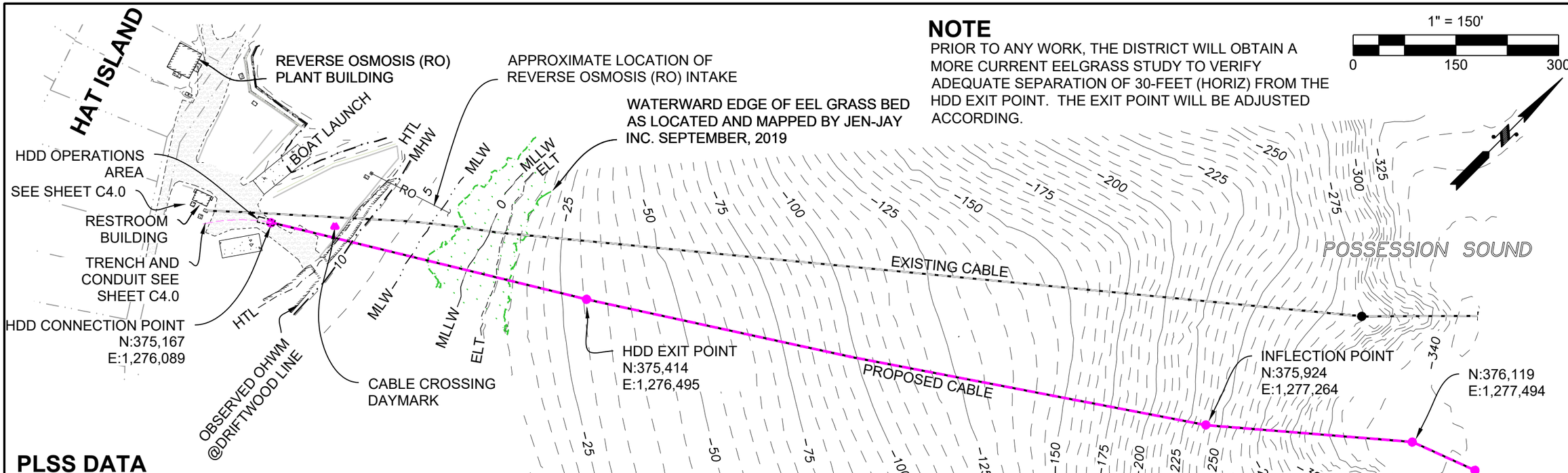
2822 COLBY AVE, SUITE 300
EVERETT WA, 98201
425-252-1884
WWW.HARMSENLLC.COM

HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
PERMIT SET
**HAT ISLAND SWPPP NOTES & DETAILS**

| REV | DRAWING |
|---|---|
| 0 | P5.1 |

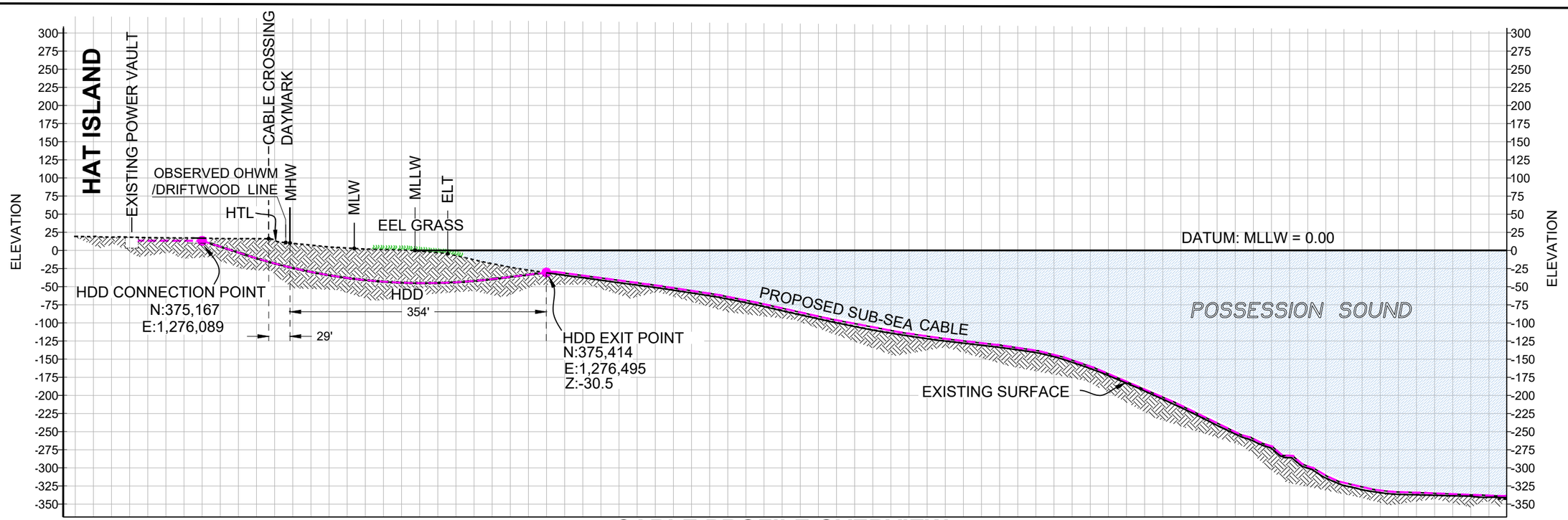
## NOTE

PRIOR TO ANY WORK, THE DISTRICT WILL OBTAIN A MORE CURRENT EELGRASS STUDY TO VERIFY ADEQUATE SEPARATION OF 30-FEET (HORIZ) FROM THE HDD EXIT POINT. THE EXIT POINT WILL BE ADJUSTED ACCORDING.




## PLSS DATA

TERRESTRIAL PORTIONS OF THIS SITE ON HAT (GEDNEY) ISLAND RESIDE IN THE PLATS OF HAT ISLAND DIVISIONS C & D, AS RECORDED UNDER AUDITOR'S FILE NUMBERS 1628702 AND 1560007, RECORDS OF SNOHOMISH COUNTY, WA. ALL IN SECTION 8, T 29N, R 4E, W.M.




## CABLE PROFILE OVERVIEW

SCALE 1"=150' HORIZONTAL/VERTICAL

**PERMIT SET**

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025
Page 7 of 19

**SNOCO PFN 25 102526 LDA**

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | 1"=150' |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

REVISIONS | DATE

ROBERT K. SCHNEIDER, STATE OF WASHINGTON, 32492, REGISTERED PROFESSIONAL ENGINEER

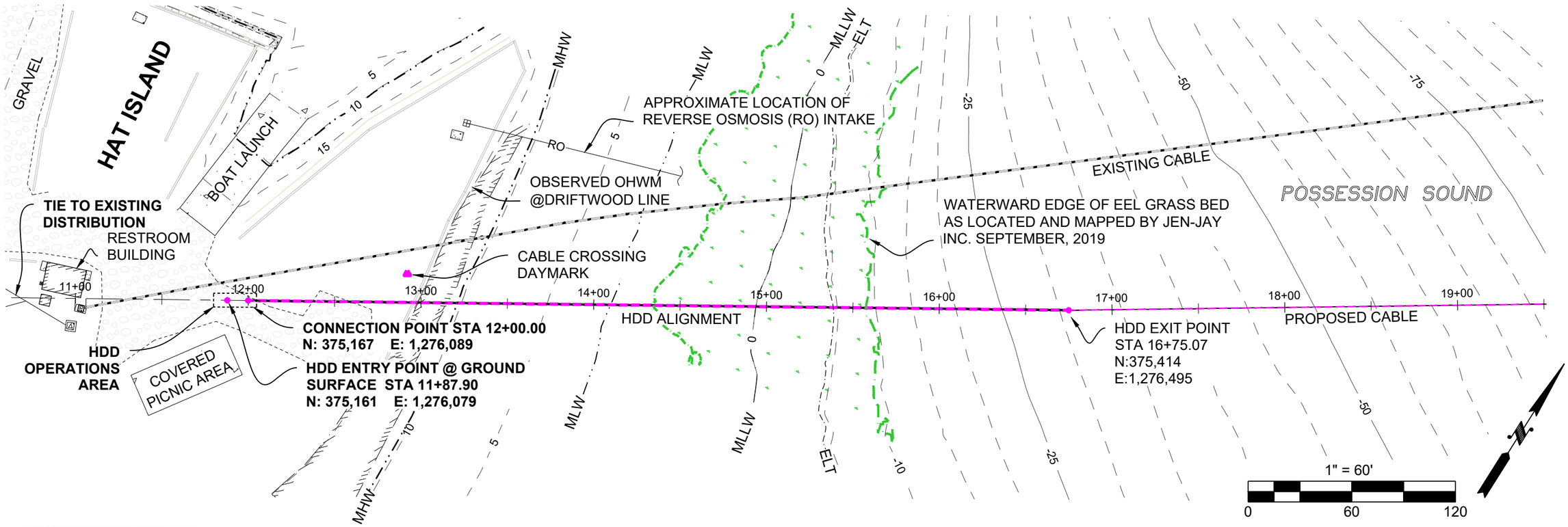

DHITTLE & ASSOCIATES, INC.
Engineers and Consultants
7515 WEST DESCHUTES AVENUE
KENNEWICK, WA 99336
(509) 735-5350

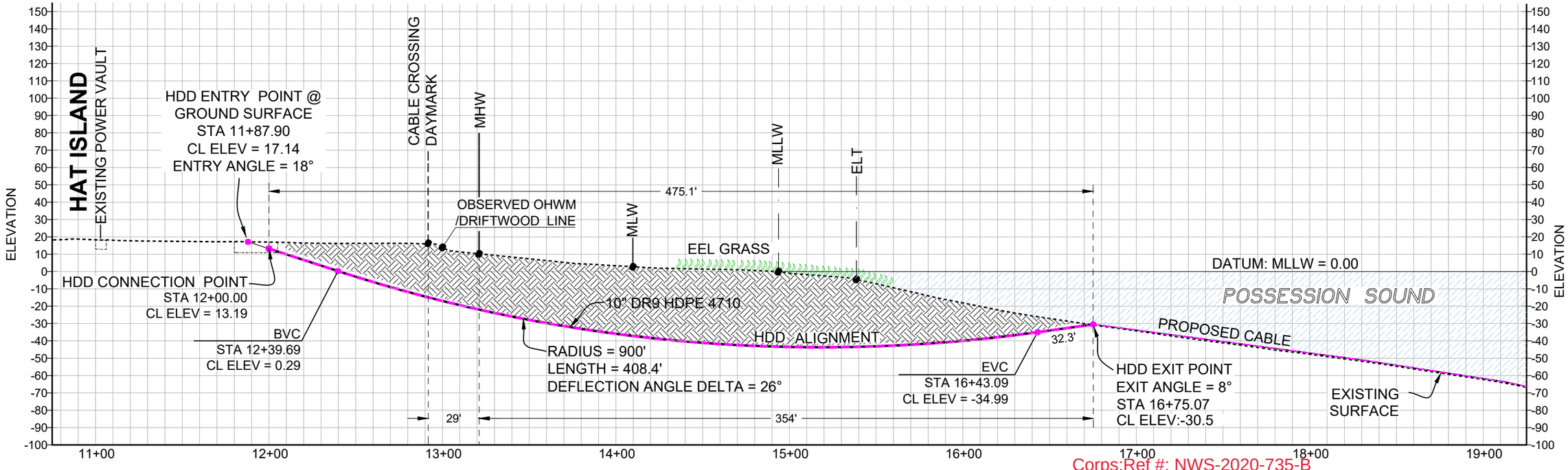

HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
PERMIT SET

**HAT ISLAND PLAN & PROFILE OVERVIEW**

| REV | DRAWING |
|---|---|
| 0 | P6.0 |

C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P6.0 HAT PLAN PROFILE OVERVIEW.DWG




# HDD PROFILE

SCALE 1"=60' HORIZONTAL/VERTICAL

SNOHOMISH COUNTY PUD
PUBLIC UTILITY DISTRICT NO. 1

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | 1"=60' |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

REVISIONS

DATE

JAKE A. ANDRESEN
STATE OF WASHINGTON
20108244
REGISTERED
PROFESSIONAL ENGINEER

STAHELI TRENCHLESS CONSULTANTS

HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
PERMIT SET

**HAT ISLAND HDD PLAN & PROFILE**

| REV | DRAWING |
|---|---|
| 0 | P7.0 |

**PERMIT SET**

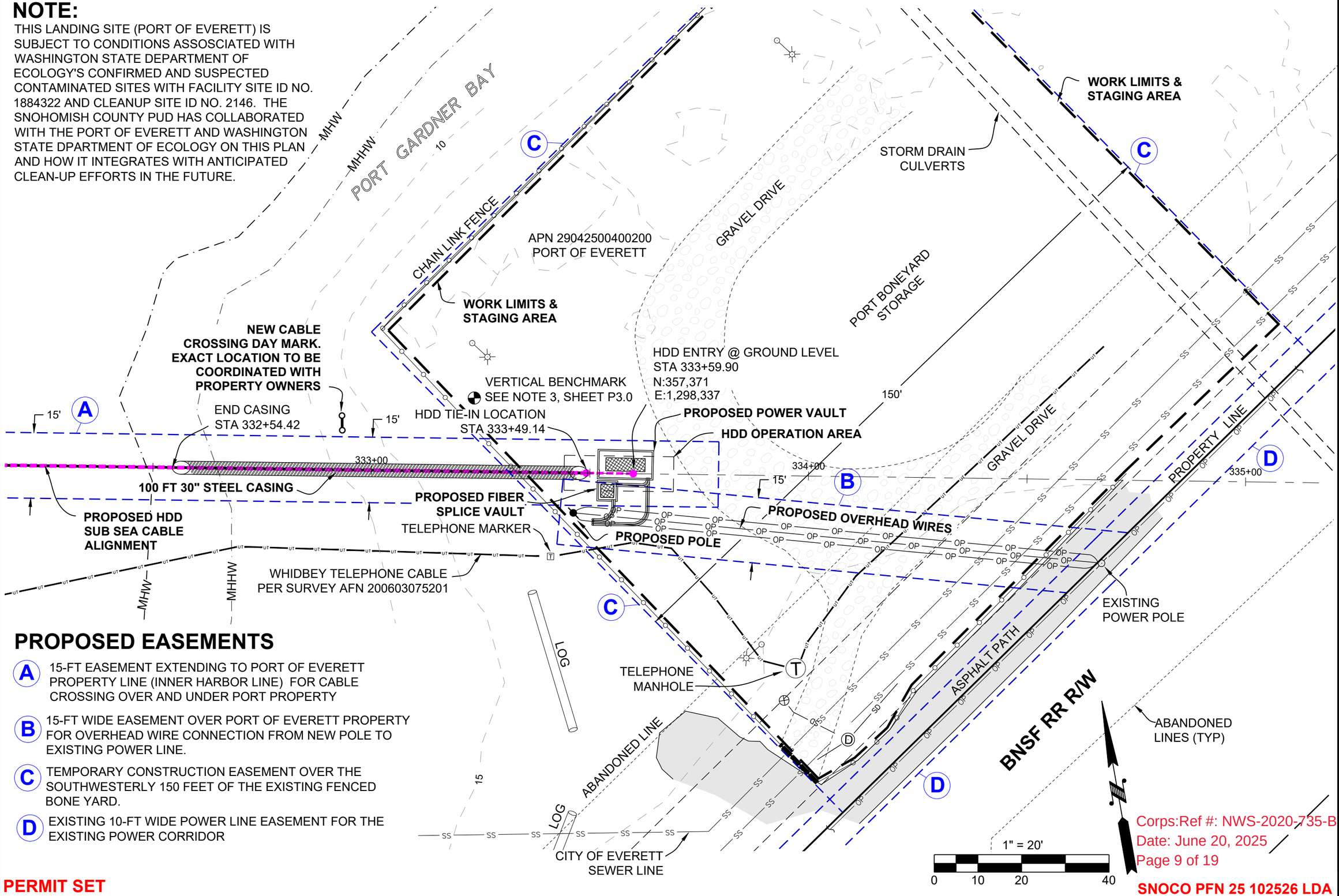
Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025


**SNOCO PFN 25 102526 LDA**

C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P7.0 HAT HDD PLAN -PROF.DWG

## NOTE:

THIS LANDING SITE (PORT OF EVERETT) IS SUBJECT TO CONDITIONS ASSOSCIATED WITH WASHINGTON STATE DEPARTMENT OF ECOLOGY'S CONFIRMED AND SUSPECTED CONTAMINATED SITES WITH FACILITY SITE ID NO. 1884322 AND CLEANUP SITE ID NO. 2146. THE SNOHOMISH COUNTY PUD HAS COLLABORATED WITH THE PORT OF EVERETT AND WASHINGTON STATE DPARTMENT OF ECOLOGY ON THIS PLAN AND HOW IT INTEGRATES WITH ANTICIPATED CLEAN-UP EFFORTS IN THE FUTURE.




## PROPOSED EASEMENTS

**A** 15-FT EASEMENT EXTENDING TO PORT OF EVERETT PROPERTY LINE (INNER HARBOR LINE) FOR CABLE CROSSING OVER AND UNDER PORT PROPERTY

**B** 15-FT WIDE EASEMENT OVER PORT OF EVERETT PROPERTY FOR OVERHEAD WIRE CONNECTION FROM NEW POLE TO EXISTING POWER LINE.

**C** TEMPORARY CONSTRUCTION EASEMENT OVER THE SOUTHWESTERLY 150 FEET OF THE EXISTING FENCED BONE YARD.

**D** EXISTING 10-FT WIDE POWER LINE EASEMENT FOR THE EXISTING POWER CORRIDOR

**PERMIT SET**

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025
Page 9 of 19

**SNOCO PFN 25 102526 LDA**

SNOHOMISH COUNTY PUD
PUBLIC UTILITY DISTRICT NO. 1

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | 1"=20' |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

REVISIONS

DATE

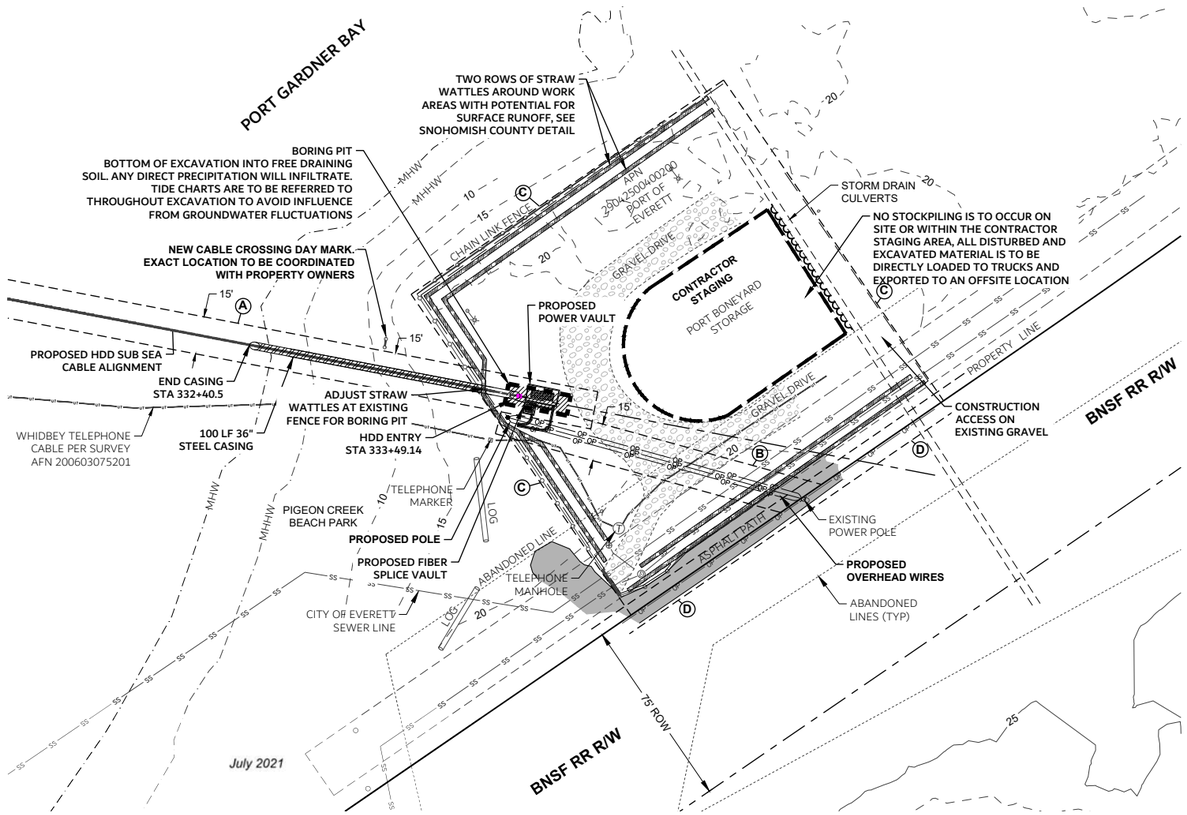
ROBERT K. SCHNEIDER, STATE OF WASHINGTON, 32492, REGISTERED PROFESSIONAL ENGINEER


PHITTLE & ASSOCIATES, INC.
Engineers and Consultants
7515 WEST DESCHUTES AVENUE
KENNEWICK, WA 99336
(509) 735-5350


HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
PERMIT SET
**PORT OF EVERETT GENERAL SITE PLAN**

| REV | DRAWING |
|---|---|
| 0 | C8.0 |

C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P8.0-EVERETT SITE PLAN.DWG



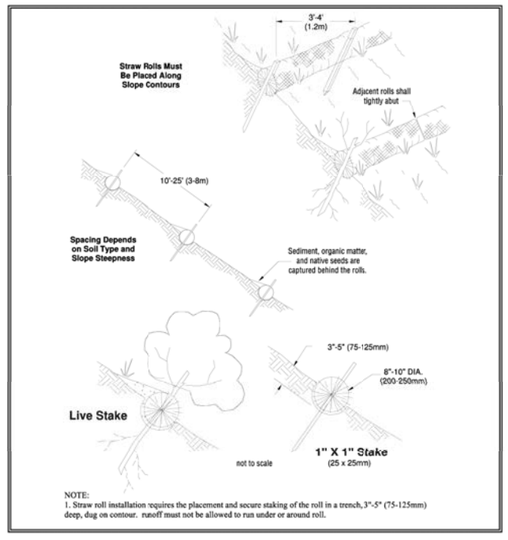
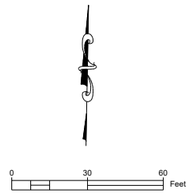
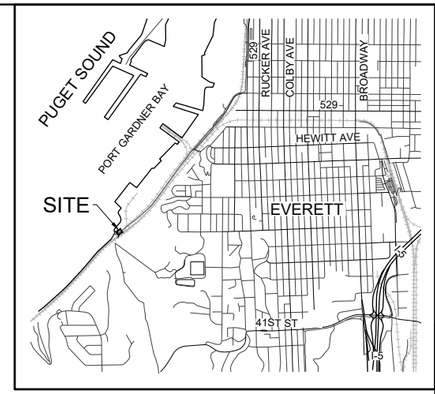




Figure 4.23 Straw Wattles




## VICINITY MAP
SCALE 1" = 2000'

## LEGEND

### EXISTING
- UTILITY POLE
- LIGHT POST
- STORM DRAIN MANHOLE
- STORM DRAIN
- SEWER LINE
- OVERHEAD POWER
- CHAIN LINK FENCE
- WOOD FENCE
- EXISTING SUB SEA CABLE
- PROPERTY LINE

### PROPOSED
- NEW HDD CABLE / SUB SEA CABLE
- CABLE AND CONDUIT IN TRENCH
- ELECTRIC TRANSFORMER
- JUNCTION BOX
- ELECTRIC SWITCH GEAR CABLE
- CROSSING DAYMARK POWER
- POLE

### SWPP LEGEND
- CLEARING LIMITS (BMP C101)
- SILT FENCE (BMP C233)

## NOTE:
THIS LANDING SITE (PORT OF EVERETT) IS SUBJECT TO CONDITIONS ASSOSCIATED WITH WASHINGTON STATE DEPARTMENT OF ECOLOGY'S CONFIRMED AND SUSPECTED CONTAMINATED SITES WITH FACILITY SITE ID NO. 1884322 AND CLEANUP SITE ID NO. 2146. THE SNOHOMISH COUNTY PUD HAS COLLABORATED WITH THE PORT OF EVERETT AND WASHINGTON STATE DPARTMENT OF ECOLOGY ON THIS PLAN AND HOW IT INTEGRATES WITH ANTICIPATED CLEAN-UP EFFORTS IN THE FUTURE.

## CONTACTS

### OWNER
PORT OF EVERETT
PO BOX 538
EVERETT, WA 98206

### PUD CONTACT
ERIC SCHNEIDER, PE
SNOHOMISH COUNTY PUD #1
425-783-8624
easchneider@snopud.com

### CIVIL ENGINEER
DAVID HARMSEN
HARMSEN, LLC
2822 COLBY AVE., SUITE 300
EVERETT, WA. 98201
360-794-7811
davidh@harmsenllc.com

### SURVEYOR
JASON FIELDS
HARMSEN, LLC
603 S 1ST ST
MOUNT VERNON, WA 98273
360-794-7811
davidh@harmsenllc.com

## SITE INFORMATION
SITE ADDRESS:
3500 TERMINAL AVE
EVERETT, WA 98201

TAX PARCEL
2904250040200

## LAND DISTURBING AREA

| | | |
|---|---|---|
| TOTAL SITE AREA (WORK LIMITS) | 19,750 SF | (0.45 AC) |
| IMPERVIOUS AREA | | |
| EXISTING | 19,750 SF | |
| NEW | 0 SF | |
| REPLACED | 425 SF | |
| NEW + REPLACED | 425 SF | |
| TOTAL IMPERVIOUS | 19,750 SF | |
| LAND DISTURBING ACTIVITY | | |
| CONCEPTUAL AREA OF DISTURBANCE | 8,700 SF | (0.20 AC) |
| SITE GRADING | | |
| CUT | 200 CY | |
| FILL | 200 CY | |

## PROPOSED EASEMENTS
- (A) 15-FT EASEMENT EXTENDING TO PORT OF EVERETT PROPERTY LINE (INNER HARBOR LINE) FOR CABLE CROSSING OVER AND UNDER PORT PROPERTY
- (B) 15-FT WIDE EASEMENT OVER PORT OF EVERETT PROPERTY FOR OVERHEAD WIRE CONNECTION FROM NEW POLE TO EXISTING POWER LINE.
- (C) TEMPORARY CONSTRUCTION EASEMENT OVER THE SOUTHWESTERLY 150 FEET OF THE EXISTING FENCED BONE YARD.
- (D) EXISTING 10-FT WIDE POWER LINE EASEMENT FOR THE EXISTING POWER CORRIDOR

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025
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SNOCO PFN 25 102526 LDA

PERMIT SET



SNOHOMISH COUNTY PUD
PUBLIC UTILITY DISTRICT NO. 1

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

REVISIONS | DATE

DAVID W. HARMSEN STATE OF WASHINGTON 33745 REGISTERED PROFESSIONAL ENGINEER
6/18/25

HARMSEN
2822 COLBY AVE, SUITE 300
EVERETT WA, 98201
425-252-1884
WWW.HARMSENLLC.COM

# HAT ISLAND TO PORT OF EVERETT CABLE CROSSING PERMIT SET
## PORT OF EVERETT SITE PREPARATION & SWPPP

| REV | DRAWING |
|---|---|
| 0 | P9.0 |

C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P9.0-POE SWPPP.DWG 6/19/2025

## POLLUTANTS OTHER THAN SEDIMENT

ALL POLLUTANTS, INCLUDING WASTE MATERIALS AND DEMOLITION DEBRIS, THAT OCCUR ONSITE SHALL BE HANDLED AND DISPOSED OF IN A MANNER THAT DOES NOT CAUSE CONTAMINATION OF STORMWATER. GOOD HOUSEKEEPING AND PREVENTATIVE MEASURES WILL BE TAKEN TO ENSURE THAT THE SITE WILL BE KEPT CLEAN, WELL ORGANIZED, AND FREE OF DEBRIS. IF REQUIRED, BMPS TO BE IMPLEMENTED TO CONTROL SPECIFIC SOURCES OF POLLUTANTS ARE DISCUSSED BELOW.

VEHICLES, CONSTRUCTION EQUIPMENT, AND/OR PETROLEUM PRODUCT STORAGE/DISPENSING:

- ALL VEHICLES, EQUIPMENT, AND PETROLEUM PRODUCT STORAGE/DISPENSING AREAS WILL BE INSPECTED REGULARLY TO DETECT ANY LEAKS OR SPILLS, AND TO IDENTIFY MAINTENANCE NEEDS TO PREVENT LEAKS OR SPILLS.
- ON-SITE FUELING TANKS AND PETROLEUM PRODUCT STORAGE CONTAINERS SHALL INCLUDE SECONDARY CONTAINMENT.
- SPILL PREVENTION MEASURES, SUCH AS DRIP PANS, WILL BE USED WHEN CONDUCTING MAINTENANCE AND REPAIR OF VEHICLES OR EQUIPMENT.
- IN ORDER TO PERFORM EMERGENCY REPAIRS ON SITE, TEMPORARY PLASTIC WILL BE PLACED BENEATH AND, IF RAINING, OVER THE VEHICLE.
- CONTAMINATED SURFACES SHALL BE CLEANED IMMEDIATELY FOLLOWING ANY DISCHARGE OR SPILL INCIDENT.

CHEMICAL STORAGE:

- ANY CHEMICALS STORED IN THE CONSTRUCTION AREAS WILL CONFORM TO THE APPROPRIATE SOURCE CONTROL BMPS LISTED IN VOLUME IV OF THE ECOLOGY STORMWATER MANUAL. IN WESTERN WA, ALL CHEMICALS SHALL HAVE COVER, CONTAINMENT, AND PROTECTION PROVIDED ON SITE, PER BMP C153 FOR MATERIAL DELIVERY, STORAGE AND CONTAINMENT IN SWMMWW 2005
- APPLICATION OF AGRICULTURAL CHEMICALS, INCLUDING FERTILIZERS AND PESTICIDES, SHALL BE CONDUCTED IN A MANNER AND AT APPLICATION RATES THAT WILL NOT RESULT IN LOSS OF CHEMICAL TO STORMWATER RUNOFF. MANUFACTURERS' RECOMMENDATIONS FOR APPLICATION PROCEDURES AND RATES SHALL BE FOLLOWED.

DEMOLITION:

- DUST RELEASED FROM DEMOLISHED SIDEWALKS SHALL BE CONTROLLED USING DUST CONTROL MEASURES (BMP C140).
- STORM DRAIN INLETS VULNERABLE TO STORMWATER DISCHARGE CARRYING DUST, SOIL, OR DEBRIS WILL BE PROTECTED USING STORM DRAIN INLET PROTECTION (BMP C220 AS INDICATED ON THE PLAN).
- PROCESS WATER AND SLURRY RESULTING FROM SAWCUTTING AND SURFACING OPERATIONS WILL BE PREVENTED FROM ENTERING THE WATERS OF THE STATE BY IMPLEMENTING SAWCUTTING AND SURFACING POLLUTION PREVENTION MEASURES (BMP C152).
  1. SLURRY AND CUTTING SHALL BE VACUUMED DURING CUTTING AND SURFACING OPERATIONS.
  2. SLURRY AND CUTTINGS SHALL NOT DRAIN TO ANY NATURAL OR CONSTRUCTED DRAINAGE CONVEYANCE.
  3. COLLECTED SLURRY AND CUTTINGS SHALL BE DISPOSED OF IN A MANNER THAT DOES NOT VIOLATE GROUNDWATER OR SURFACE WATER QUALITY STANDARDS.

CONCRETE AND GROUT:

- PROCESS WATER AND SLURRY RESULTING FROM CONCRETE WORK WILL BE PREVENTED FROM ENTERING THE WATERS OF THE STATE BY IMPLEMENTING CONCRETE HANDLING MEASURES (BMP C151).
  1. CONCRETE TRUCK CHUTES, PUMPS, AND INTERNALS SHALL BE WASHED OUT ONLY INTO FORMED AREAS AWAITING INSTALLATION OF CONCRETE OR ASPHALT.
  2. UNUSED CONCRETE REMAINING IN THE TRUCK AND PUMP SHALL BE RETURNED TO THE ORIGINATING BATCH PLANT FOR RECYCLING.
  3. HAND TOOLS INCLUDING, BUT NOT LIMITED TO, SCREEDS, SHOVELS, RAKES, FLOATS, AND TROWELS SHALL BE WASHED OFF ONLY INTO FORMED AREAS AWAITING INSTALLATION OF CONCRETE OR ASPHALT.

  WHEN NO FORMED AREAS ARE AVAILABLE, WASHWATER AND LEFTOVER PRODUCT SHALL BE CONTAINED IN A LINED CONTAINER. CONTAINED CONCRETE SHALL BE DISPOSED OF IN A MANNER THAT DOES NOT VIOLATE GROUNDWATER OR SURFACE WATER QUALITY STANDARDS.

SANITARY WASTEWATER:

- PORTABLE SANITATION FACILITIES WILL BE FIRMLY SECURED, REGULARLY MAINTAINED, AND EMPTIED WHEN NECESSARY.
- SOLID WASTE WILL BE STORED IN SECURE, CLEARLY MARKED CONTAINERS.

OTHER:

- OTHER BMPS WILL BE ADMINISTERED AS NECESSARY TO ADDRESS ANY ADDITIONAL POLLUTANT SOURCES ON SITE.

## CITY OF EVERETT GENERAL NOTES

1. APPROVAL OF THIS EROSION/SEDIMENTATION 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).
2. THE IMPLEMENTATION OF THESE ESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE ESC FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS COMPLETED AND APPROVED AND VEGETATION/LANDSCAPING IS ESTABLISHED.
3. THE BOUNDARIES OF THE CLEARING LIMITS SHOWN ON THIS PLAN SHALL BE CLEARLY FLAGGED IN THE FIELD PRIOR TO CONSTRUCTION, DURING THE CONSTRUCTION PERIOD, NO DISTURBANCE BEYOND THE FLAGGED CLEARING LIMITS SHALL BE PERMITTED. THE FLAGGING SHALL BE MAINTAINED BY THE APPLICANT/CONTRACTOR FOR THE DURATION OF CONSTRUCTION.
4. THE ESC FACILITIES SHOWN ON THIS PLAN MUST BE CONSTRUCTED IN CONJUNCTION WITH ALL CLEARING AND GRADING ACTIVITIES, AND IN SUCH A MANNER AS TO ENSURE THAT SEDIMENT AND SEDIMENT LADEN WATER DO NOT ENTER THE DRAINAGE SYSTEM, ROADWAYS, OR VIOLATE APPLICABLE WATER QUALITY STANDARDS.
5. THE ESC FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. DURING THE CONSTRUCTION PERIOD, THESE ESC FACILITIES SHALL BE UPGRADED AS NEEDED FOR UNEXPECTED STORM EVENTS AND TO ENSURE THAT SEDIMENT AND SEDIMENT-LADEN WATER DO NOT LEAVE THE SITE.
6. THE ESC FACILITIES SHALL BE INSPECTED ROUTINELY AND MAINTAINED BY THE APPLICANT/CONTRACTOR TO ENSURE THEIR CONTINUED FUNCTIONING, ESPECIALLY AFTER STORM EVENTS.
7. THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A MAJOR STORM EVENT.
8. AT NO TIME SHALL MORE THAN ONE FOOT OF SEDIMENT BE ALLOWED TO ACCUMULATE WITHIN A TRAPPED CATCH BASIN. ALL CATCH BASINS AND CONVEYANCE LINES SHALL BE CLEANED PRIOR TO PAVING. THE CLEANING OPERATION SHALL NOT FLUSH SEDIMENT LADEN WATER INTO THE DOWNSTREAM SYSTEM.
9. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO ENSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
10. THE CONTRACTOR SHALL PROVIDE PERIODIC STREET CLEANING TO REMOVE DEBRIS AND SEDIMENT TRACKED OFF THE SITE.
11. APPROPRIATE MEASURES SHALL BE TAKEN TO STOP SEDIMENT FROM ENTERING SURFACE WATER BODIES IF THE PROPOSED BMPS FAIL. IF BMPS FAIL AND SEDIMENT-LADEN WATER IS LEAVING THE SITE, IMMEDIATELY NOTIFY YOUR PUBLIC WORKS INSPECTOR.
12. BARE AND/OR DISTURBED SOILS SHALL REMAIN UNCOVERED AND/OR UNSTABILIZED FOR NO MORE THAN 2 DAYS FROM OCTOBER 1 THROUGH APRIL 30, AND FOR NO MORE THAN 7 DAYS FROM MAY 1 THROUGH SEPTEMBER 30.
13. NOTIFY THE CITY PUBLIC WORKS INSPECTOR AT LEAST 24 HOURS PRIOR TO DEWATERING ACTIVITIES. HANDLE HIGHLY TURBID OR OTHERWISE CONTAMINATED DEWATERING WATER SEPARATELY FROM STORMWATER.
14. THE APPROVED PROJECT PUBLIC WORKS PERMIT AND SWPPP SHALL BE RETAINEDON SITE OR READILY AVAILABLE TO THE CONTRACTOR THROUGHOUT THE DURATION OF THE CONSTRUCTION PROJECT.
15. DESIGN, INSTALL, IMPLEMENT, AND MAINTAIN EFFECTIVE POLLUTION PREVENTION MEASURES TO MINIMIZE THE DISCHARGE OF POLLUTANTS.
16. PROTECT ALL LID BMPS FROM SEDIMENTATION THROUGH INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL BMPS ON PORTIONS OF THE SITE THAT DRAIN INTO THE LID BMPS.

## T.E.S.C. GENERAL NOTES

THE NOTES AND DETAILS PROVIDED ON THIS SHEET ILLUSTRATE SOME OF THE MOST COMMON TEMPORARY EROSION/SILTATION CONTROL BEST MANAGEMENT PRACTICES (BMPs). ALTHOUGH SOME MEASURES SHOWN HERE MAY NOT BE SPECIFIED IN THE T.E.S.C. PLAN FOR THIS PROJECT, THE DETAILS ARE PROVIDED FOR FUTURE REFERENCE SHOULD SITE CONDITIONS REQUIRE ADDITIONAL MEASURES BEYOND THOSE SPECIFIED. APPROPRIATE RESPONSES TO UNANTICIPATED SITE CONDITIONS MAY INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING ADDITIONAL BMPs:

- STRAW MULCH
- TEMPORARY DITCHES, SWALES, DIKES OR BASINS
- JUTE OR SYNTHETIC MATTING, EITHER GENERIC OR PROPRIETARY
- SLOPE SCARIFICATION OR TERRACING
- ANCHORED PLASTIC SHEETING
- MULCH, BRUSH OR GRAVEL FILTER BERMS
- DUST CONTROL
- TIRE WASH STATIONS
- SODDING
- ROCK CHECK DAMS

SUCH MEASURES SHALL BE SELECTED BY THE CONTRACTOR IN CONSULTATION WITH THE CITY INSPECTOR AND THE CESCL, AND SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS, ENGINEER'S DESIGN OR STANDARD CONSTRUCTION INDUSTRY PRACTICE AS THE SITUATION DICTATES.

1. THE TEMPORARY EROSION/SEDIMENTATION CONTROL FACILITIES SHALL BE CONSTRUCTED PRIOR TO ANY GRADING OR LAND CLEARING IN ACCORDANCE WITH THE APPROVED TEMPORARY EROSION/SEDIMENTATION CONTROL PLAN. THESE FACILITIES MUST BE SATISFACTORILY MAINTAINED UNTIL CONSTRUCTION AND LANDSCAPING IS COMPLETED AND THE POTENTIAL FOR ON-SITE ER0SION HAS PASSED.

2. NONCOMPLIANCE WITH THE EROSION CONTROL REQUIREMENTS, WATER QUALITY REQUIREMENTS, AND/OR CLEARING LIMITS MAY RESULT IN REVOCATION OF PROJECT PERMITS OR PLAN APPROVAL, FINES AND BOND FORECLOSURES.

3. THE T.E.S.C. FACILITIES SHOWN ON THIS PLAN ARE THE MINIMUM REQUIREMENTS FOR ANTICIPATED SITE CONDITIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING IMPROVED OR MODIFIED FACILITIES AS NECESSARY TO MAINTAIN RUNOFF WATER QUALITY DURING AND AFTER SIGNIFICANT STORM EVENTS AND TO ADDRESS THE ACTUAL SITE AND SOILS CONDITIONS ENCOUNTERED.

4. CONTRACTOR SHALL MAINTAIN ON SITE AT ALL TIMES SUFFICIENT QUANTITIES OF EROSION CONTROL MATERIALS TO COVER ALL EXPOSED SOIL IN THE EVENT OF UNANTICIPATED WEATHER CONDITIONS. CONTRACTOR MAY CONSIDER PHASING GRADING ON LARGE SITES TO MINIMIZE BARE SOIL EXPOSURE.

5. THE IMPLEMENTATION OF THESE TESC PLANS AND THE CONSTRUCTION, MAINTENANCE, REPLACEMENT, AND UPGRADING OF THESE T.E.S.C. FACILITIES IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED. BARE AND/OR DISTURBED SOILS SHALL REMAIN UNCOVERED FOR NO MORE THAN 2 DAYS FROM OCTOBER 1 THROUGH APRIL 30, AND FOR NO MORE THAN 7 DAYS FROM MAY 1 THROUGH SEPTEMBER 30. STABILIZE WITH APPROVED T.E.S.C. METHODS (E.G. SEEDING, MULCHING, NETTING, EROSION BLANKETS, PLASTIC COVERING, ETC.). SOIL STOCKPILES SHALL BE STABILIZED WITHIN 24 HOURS.

6. WHERE STRAW MULCH FOR TEMPORARY EROSION CONTROL IS REQUIRED, IT SHALL BE APPLIED AT A MINIMUM THICKNESS OF TWO INCHES.

7. ANY AREA NEEDING T.E.S.C. MEASURES, NOT REQUIRING IMMEDIATE ATTENTION, SHALL BE ADDRESSED WITHIN FIFTEEN (15) DAYS.

8. THE T.E.S.C. FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED A MINIMUM OF ONCE A MONTH OR WITHIN THE 48 HOURS FOLLOWING A STORM EVENT.

9. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY BMPs ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE REMOVED OR STABILIZED ON SITE. DISTURBED SOIL AREAS RESULTING FROM REMOVAL SHALL BE PERMANENTLY STABILIZED.

10. CONTRACTOR SHALL USE INDUSTRY BEST MANAGEMENT PRACTICES TO PREVENT PETROLEUM PRODUCTS, FERTILIZERS, CONCRETE BY-PRODUCTS AND OTHER POLLUTANTS FROM ENTERING OFF-SITE DRAINAGE COURSES. SLASH PILES AND OTHER SOLID WASTE SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL REGULATIONS.

11. WASTEWATER FROM PROJECT ACTIVITIES AND DE-WATERING SHALL BE ROUTED TO AN UPLAND AREA FOR REMOVAL OF FINE SEDIMENTS AND OTHER CONTAMINANTS. ONLY CLEAN, UNPOLLUTED WATER SHALL LEAVE THE SITE.

12. THE CONTRACTOR SHALL KEEP OFF-SITE STREETS CLEAN AT ALL TIMES BY SWEEPING. WASHING OF THESE STREETS WILL NOT BE ALLOWED WITHOUT PRIOR CITY OF EVERETT APPROVAL.

## CLEARING LIMITS

CLEARING LIMITS SHOWN ON PLAN REPRESENT MAXIMUM ALLOWABLE EXTENT OF CLEARING ON THE PROPERTY. OWNER MAY ELECT TO CLEAR LESS AREA WITHIN WSDOT RIGHT-OF-WAY. DRAINAGE FACILITY DESIGN IS BASED ON ASSUMPTION OF MAXIMUM ALLOWED ONSITE CLEARING AND HARDSCAPE.

MARKING OF CLEARING LIMITS AND PLACEMENT OF EROSION CONTROL BMPS IN THE FIELD SHALL BE ADJUSTED FOR ACTUAL EXTENT OF CLEARING AS DIRECTED BY OWNER. CLEARING LIMITS SHALL BE CLEARLY MARKED IN FIELD PRIOR TO COMMENCEMENT OF SITE WORK.

## UNDERGROUND UTILITY NOTE

EX. UNDERGROUND UTILITY LOCATIONS SHOWN HEREON ARE BASED UPON SURFACE INDICATORS. NO UNDERGROUND LOCATE SERVICE WAS UTILIZED FOR THEIR LOCATION. THE USE OF THIS MAP FOR THEIR EXACT LOCATION IS NOT WARRANTED. PRIOR TO CONSTRUCTION, USER SHOULD CALL THE UTILITY LOCATE SERVICE AT 1-800-424-5555, TWO BUSINESS DAYS BEFORE CONSTRUCTION.

## WATER QUALITY STANDARD

STORMWATER RELEASED FROM THIS CONSTRUCTION SITE TO OFF-SITE DRAINAGE CHANNELS SHALL NOT BE PERMITTED TO TRANSPORT SEDIMENT LOADINGS EXCEEDING 5 NTUs ABOVE BACKGROUND LEVELS.

## EROSION CONTROL BMP'S

HIGH VISIBILITY FENCING (BMP C103)
USE IN COMBINATION WITH BMP C233, SILT FENCE AS INDICATED ON THE PLANS.

CONSTRUCTION ROAD/PARKING AREA STABILIZATION (BMP C107)
ONCE DEMOLITION IS COMPLETE, THE BUILDING FOUNDATIONS AND SLAB AREAS WILL BE STABILIZED WITH GRAVEL AND CONCRETE.

TEMPORARY & PERMANENT SEEDING (BMP C120)
PERMANENT SEEDING SHALL BE USED TO STABILIZE EXPOSED SOILS AND SHALL BE PERFORMED UNDER THE DIRECTION OF THE LANDSCAPE PLANS AND SPECIFICATIONS.

MULCHING (BMP C121)
STABILIZE EXPOSED SURFACES WITH 2" - 4" MULCH WHEN SURFACES ARE TO BE UNWORKED FOR THE SEASONAL TIME FRAMES LISTED IN THE TESC NOTES AND SWPPP NARRATIVE.

PLASTIC COVERING (BMP C123)
USE PLASTIC SHEATHING TO PROTECT STOCKPILES. STABILIZE WITH SAND BAGS CONNECTED WITH ROPE.

TOPSOILING/COMPOSTING (BMP C125)
TOPSOIL EXPOSED SOILS AND PROPOSED PLANTERS.

DUST CONTROL (BMP C140)
CONTRACTOR SHALL IMPLEMENT MEASURES TO PREVENT WIND TRANSPORT OF DUST FROM SOIL SURFACES. SUCH MEASURES CAN INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING: MULCHING AREAS NOT USED FOR VEHICLE ACCESS, SPRINKLING EXPOSED SURFACES WITH WATER, SURFACE HAUL ROADS WITH GRAVEL.

STORM INLET PROTECTION (BMP C220)
PLACE INSERTS PER PLAN DETAIL IN EXISTING CATCH BASINS AS INDICATED ON THE PLAN.

AS NEW CATCH BASINS ARE INSTALLED, THESE SHALL ALSO BE PROTECTED UNTIL THE DRAINAGE AREA IS STABILIZED.

SILT FENCE (BMP C233)
INSTALL SILT FENCE IN LOCATIONS INDICATED ON THE PLAN.

**PERMIT SET**

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025


**SNOCO PFN 25 102526 LDA**

C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P9.0-POE SWPPP.DWG 6/19/2025

SNOHOMISH COUNTY PUD
PUBLIC UTILITY DISTRICT NO. 1

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

REVISIONS

| DATE |
|---|
| |

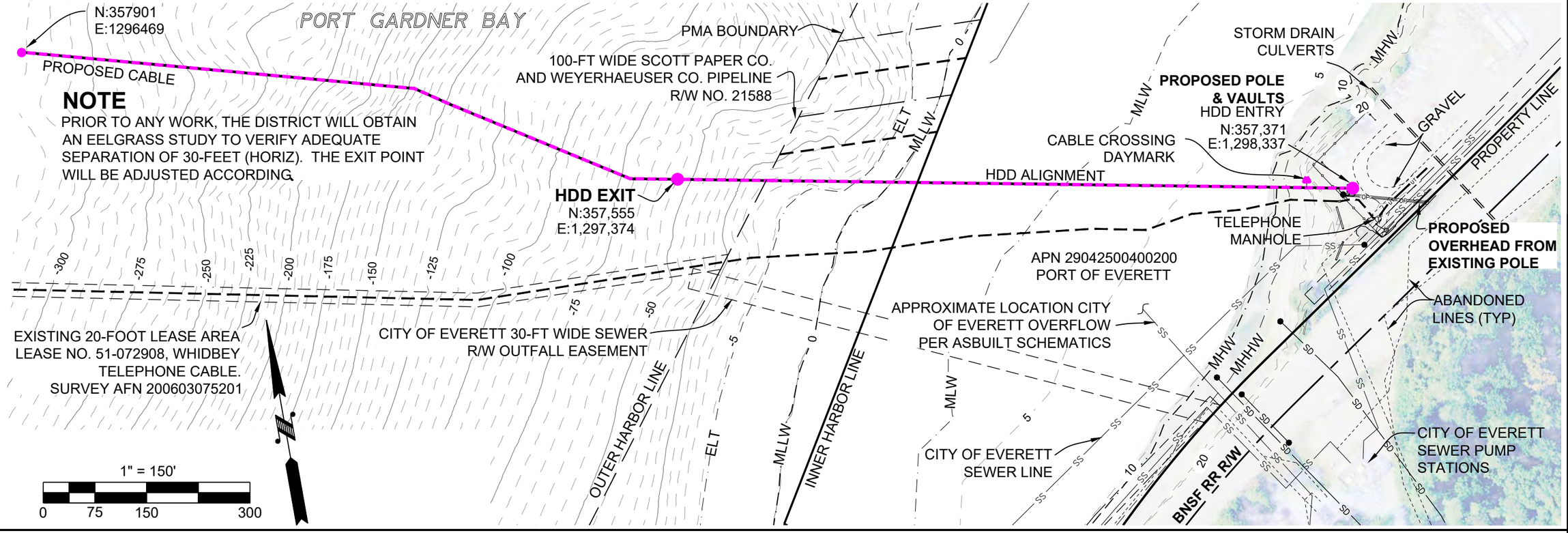
DAVID W. HARMSEN
STATE OF WASHINGTON
33745
REGISTERED
PROFESSIONAL ENGINEER
6/18/25

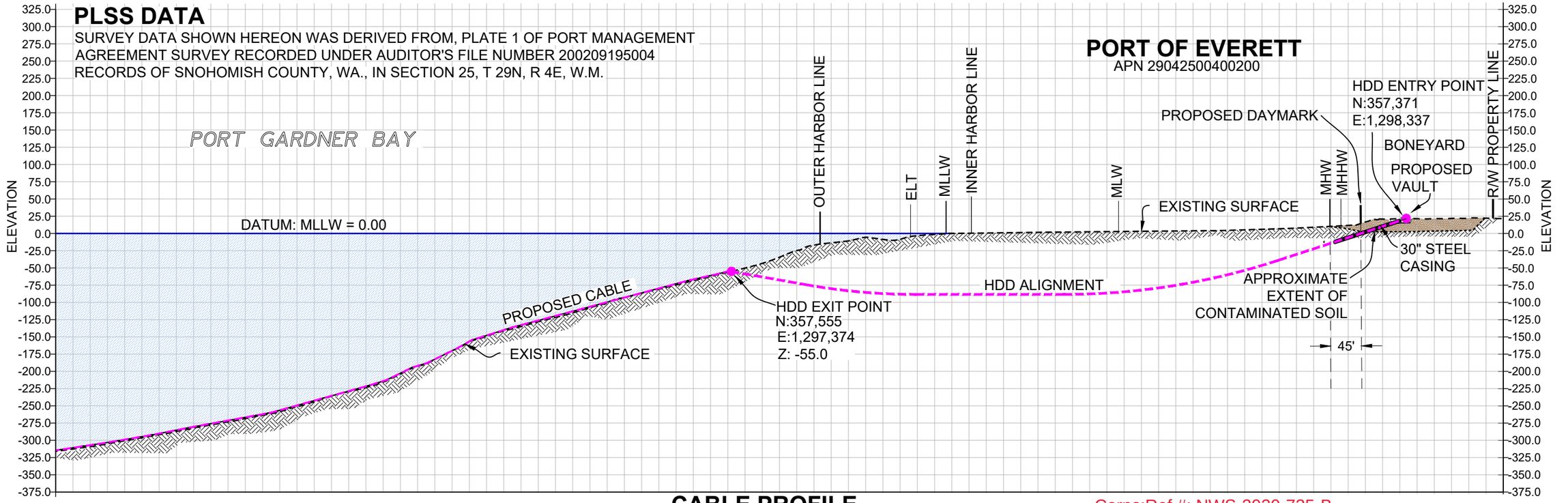
HARMSEN
2822 COLBY AVE, SUITE 300
EVERETT WA, 98201
425-252-1884
WWW.HARMSENLLC.COM

HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
PERMIT SET

**PORT OF EVERETT SWPPP NOTES & DETAILS**

| REV | DRAWING |
|---|---|
| 0 | P9.1 |




**CABLE PROFILE**
SCALE 1"=150 HORIZONTAL/VERTICAL

**PERMIT SET**

SNOHOMISH COUNTY PUD
PUBLIC UTILITY DISTRICT NO. 1

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | 1"=150' |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

REVISIONS
DATE

ROBERT K. SCHNEIDER
STATE OF WASHINGTON
32492
REGISTERED
PROFESSIONAL ENGINEER

DHITTLE & ASSOCIATES, INC.
Engineers and Consultants
7515 WEST DESCHUTES AVENUE
KENNEWICK, WA 99336
(509) 735-5350

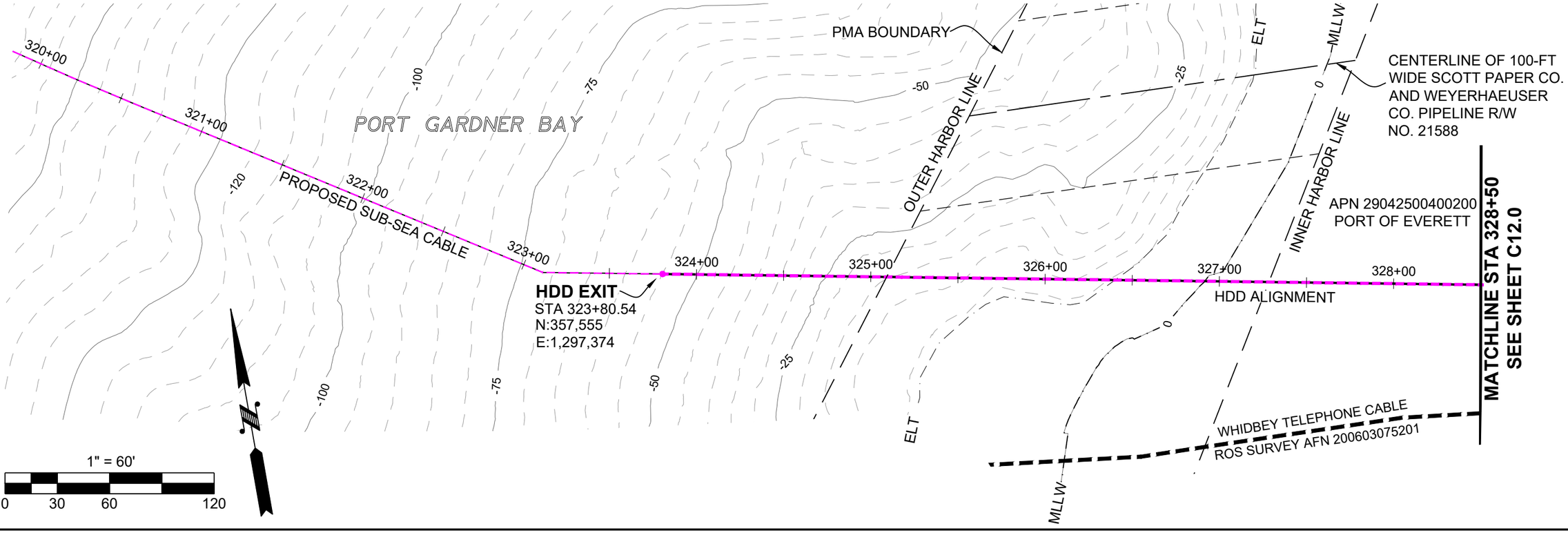
**HAT ISLAND TO PORT OF EVERETT**
**CABLE CROSSING**
**PERMIT SET**
**PORT OF EVERETT PLAN & PROFILE OVERVIEW**

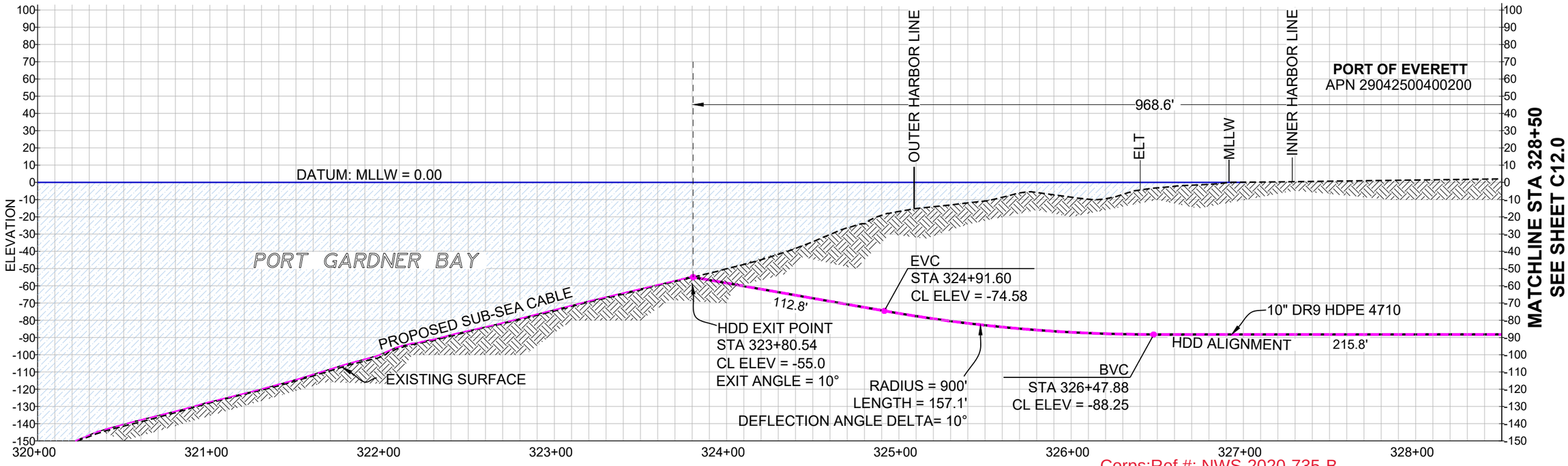
| REV | DRAWING |
|---|---|
| 0 | P10.0 |

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025


**SNOCO PFN 25 102526 LDA**

C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P10.0 EVERETT PLAN-PROFILE OVERVIEW.DWG




# HDD CABLE PROFILE

SCALE 1"=60' HORIZONTAL/VERTICAL

**PERMIT SET**

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025


**SNOCO PFN 25 102526 LDA**

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | 1"= 60' |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

DATE

REVISIONS

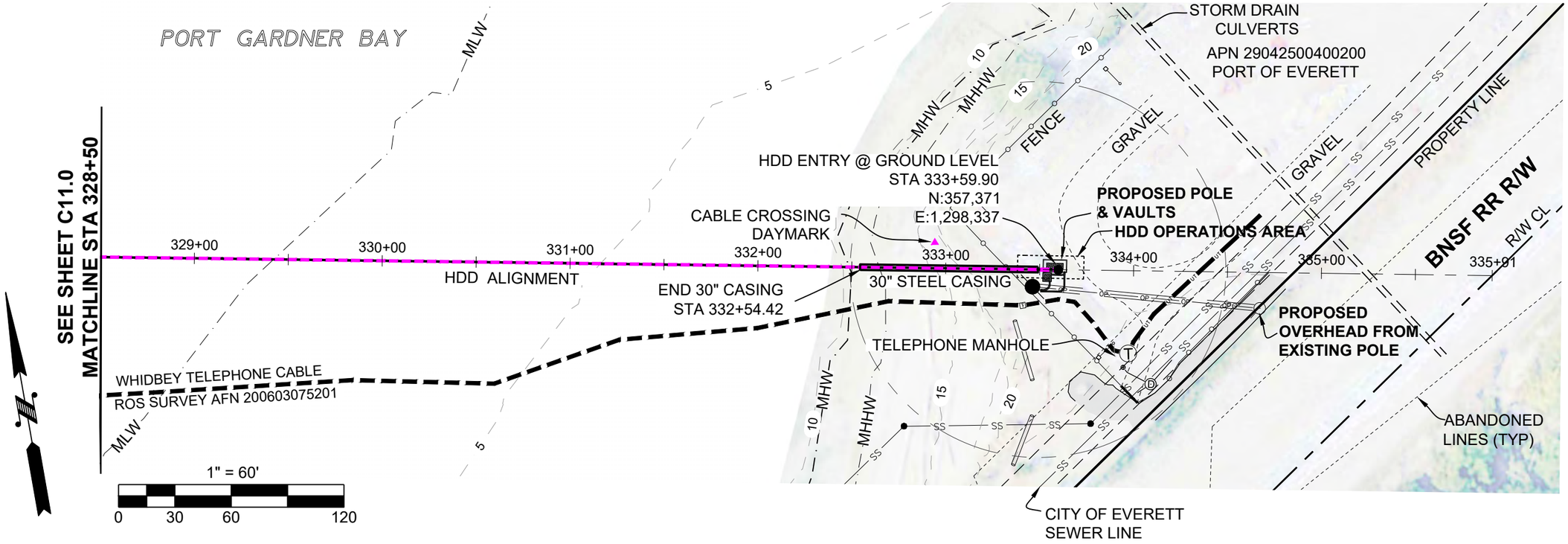
ISAAC A. ANDREASEN — STATE OF WASHINGTON — 20108244 — REGISTERED PROFESSIONAL ENGINEER

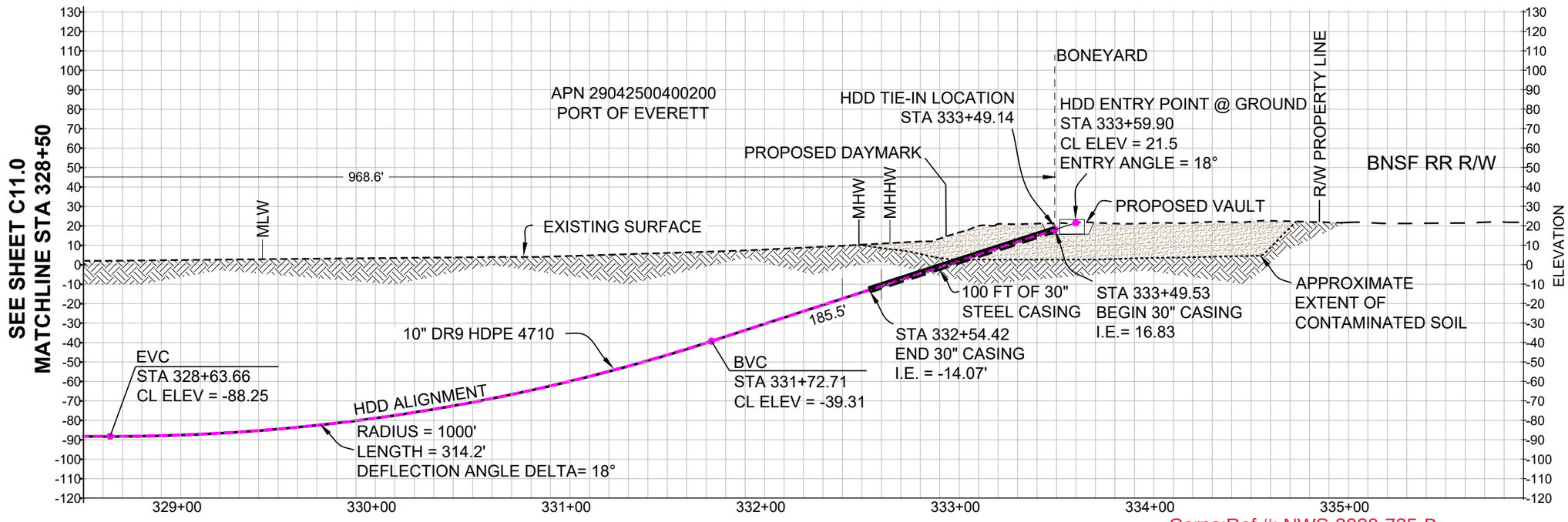
STAHELI TRENCHLESS CONSULTANTS

HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
PERMIT SET
**PORT OF EVERETT HDD PLAN & PROFILE SHEET 1**

| REV | DRAWING |
|---|---|
| 0 | P11.0 |

C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P11.0-P12.0 POE HDD PLAN-PROF.DWG




## HDD CABLE PROFILE

SCALE 1"=60' HORIZONTAL/VERTICAL

**PERMIT SET**

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025


**SNOCO PFN 25 102526 LDA**

SNOHOMISH COUNTY PUD
PUBLIC UTILITY DISTRICT NO. 1

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | 1"= 60' |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

REVISIONS

| DATE | |
|---|---|
| | |

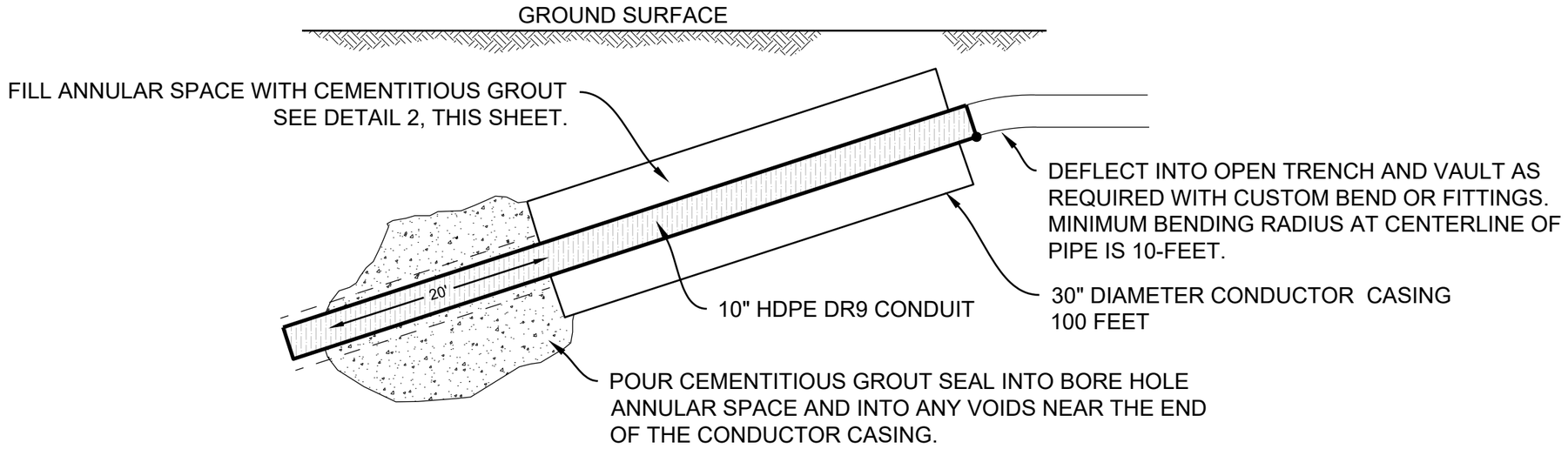
JAKE A. ANDRESEN
STATE OF WASHINGTON
20108244
REGISTERED
PROFESSIONAL ENGINEER

STAHELI TRENCHLESS CONSULTANTS

# HAT ISLAND TO PORT OF EVERETT
## CABLE CROSSING
## PERMIT SET
## PORT OF EVERETT HDD PLAN & PROFILE SHEET 2

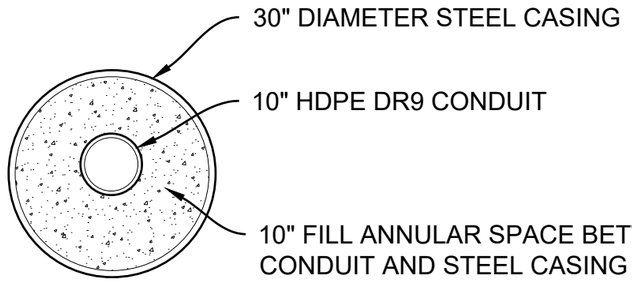
| REV | DRAWING |
|---|---|
| 0 | P12.0 |

C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P11.0-P12.0 POE HDD PLAN-PROF.DWG




**1 / C13.0 END CONDTION OF STEEL CASING - PORT OF EVERETT**

NOT TO SCALE




**2 / C13.0 CASING ANNULAR SPACE FILL DETAIL**

NOT TO SCALE

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025


**PERMIT SET**

**SNOCO PFN 25 102526 LDA**

SNOHOMISH COUNTY PUD
PUBLIC UTILITY DISTRICT NO. 1

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | AS NOTED |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

| REVISIONS | DATE |
|---|---|
| | |

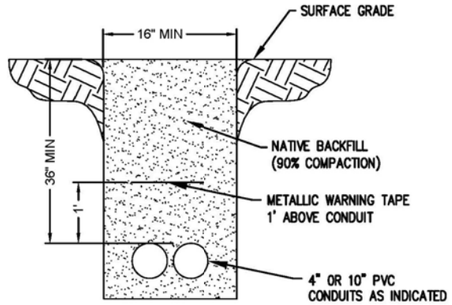
JAKE A. ANDRESEN — STATE OF WASHINGTON — 20108234 — REGISTERED PROFESSIONAL ENGINEER

STAHELI TRENCHLESS CONSULTANTS

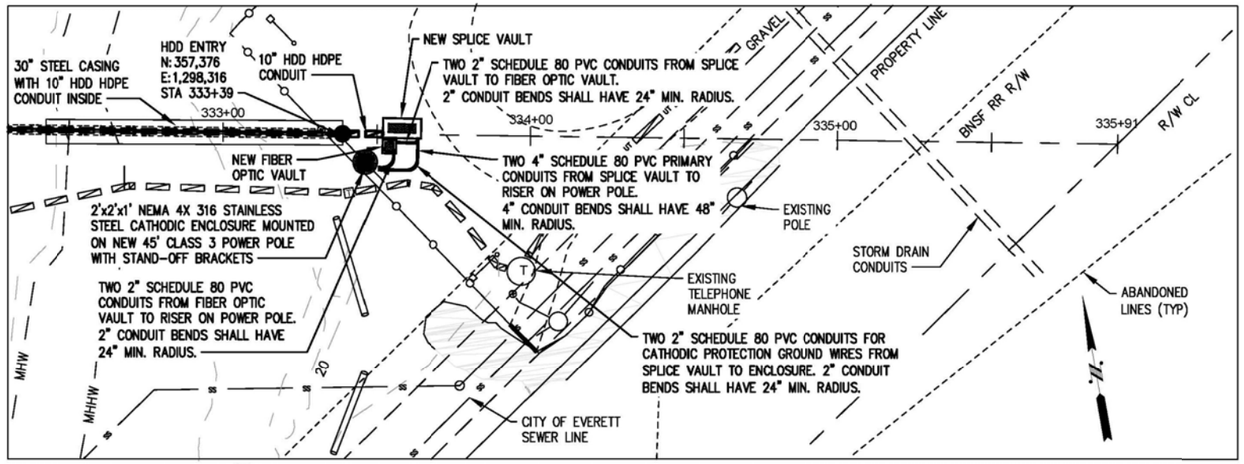
HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
PERMIT SET
**HDD DETAILS**

| REV | DRAWING |
|---|---|
| 0 | P13.0 |

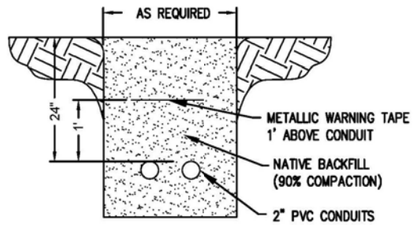
C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P13.0 HDD-VAULT DETAILS.DWG



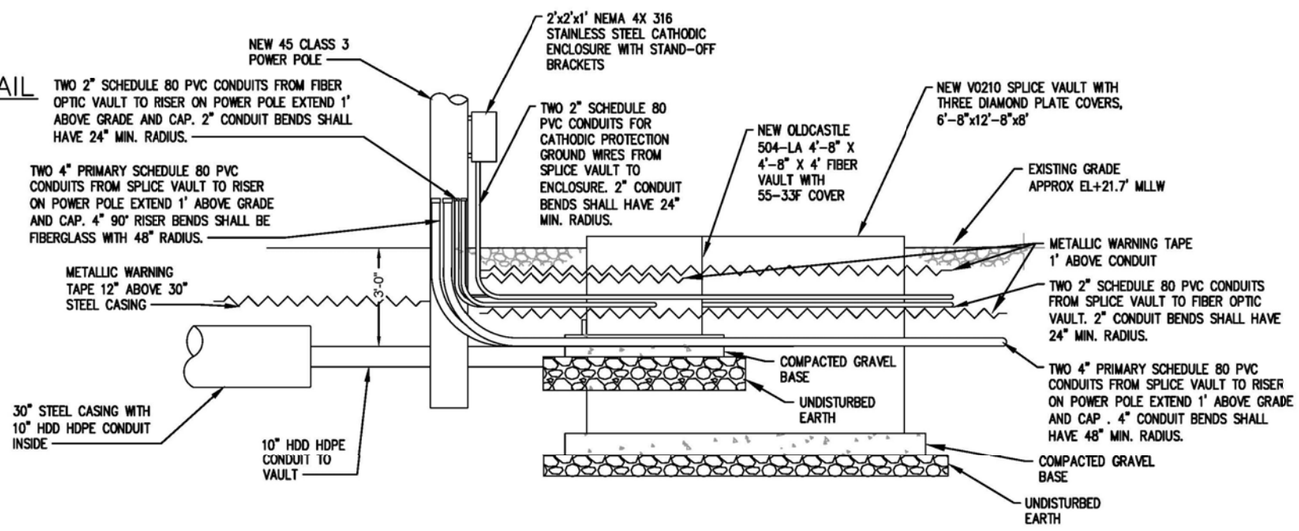

DETAIL C — 4" OR 10" PVC CONDUIT TRENCH DETAIL
NOT TO SCALE




DETAIL A — PLAN OF PUD PORT OF EVERETT VAULT
NOT TO SCALE




DETAIL D — 2" PVC CONDUIT TRENCH DETAIL
NOT TO SCALE




DETAIL B — PROFILE OF PUD PORT OF EVERETT VAULT
NOT TO SCALE

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025
Page 16 of 19

**PERMIT SET**

**SNOCO PFN 25 102526 LDA**

SNOHOMISH COUNTY PUD
PUBLIC UTILITY DISTRICT NO. 1

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | AS NOTED |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

REVISIONS | DATE

ROBERT K. SCHNEIDER — STATE OF WASHINGTON — 32492 — REGISTERED PROFESSIONAL ENGINEER

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Engineers and Consultants
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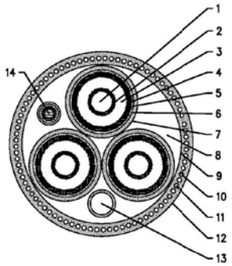
KENNEWICK, WA 99336
(509) 735-5350

HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
PERMIT SET
**PORT OF EVERETT VAULT DETAILS**

| REV | DRAWING |
|---|---|
| 0 | P14.0 |

C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P14.0 VAULT DETAILS.DWG

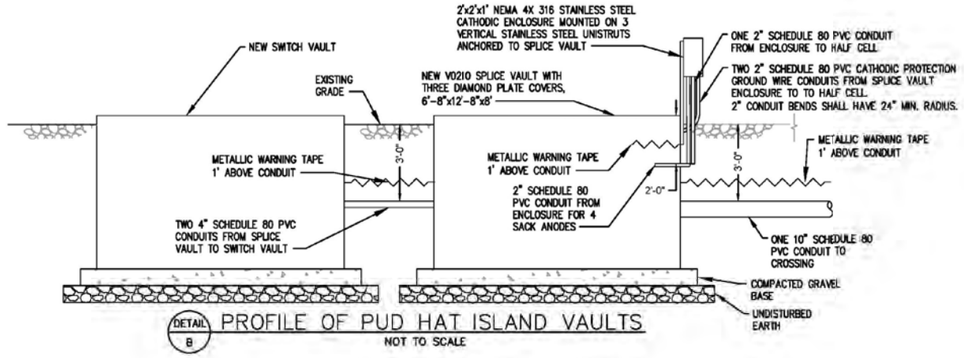



Cu/XLPE/LAS/PE/PP/SWA/PP 8.7/15kV
3C70mm²+72C G.652D
+Cu/XLPE 0.6/1kV 1C70mm²

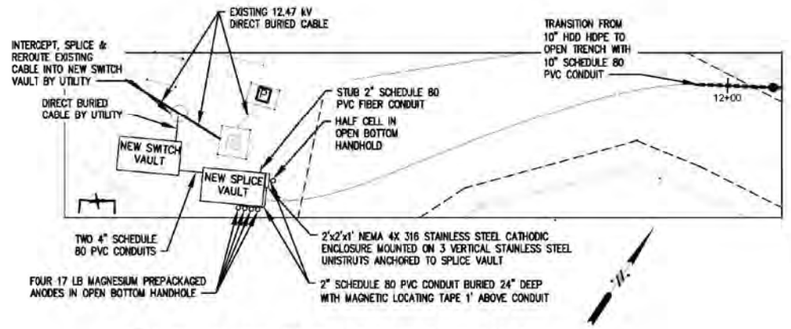
| No. | CONSTRUCTION | DESCRIPTION | NOMINAL THICKNESS | DIAMETER (APPROX) |
|---|---|---|---|---|
| 1 | CONDUCTOR | STRANDED COMPACTED CIRCULAR ANNEALED COPPER CONDUCTORS (CLASS 2) WITH WATER BLOCKING TAPE | | 10.0 |
| 2 | CONDUCTOR SCREEN | EXTRUDED SEMI-CONDUCTING COMPOUND | 0.7 | |
| 3 | INSULATION | XLPE(133%) | 5.6 MIN 5.3 MAX 6.4 | |
| 4 | INSULATION SCREEN | EXTRUDED SEMI-CONDUCTING COMPOUND | 0.7 | 24.0 |
| 5 | WATER BLOCKING | SEMI-CONDUCTING WATER BLOCKING TAPE | 0.3 | |
| 6 | METALLIC SCREEN | LEAD ALLOY SHEATH | 2.1 | |
| 7 | OUTER SHEATH | SEMI-CONDUCTING POLYETHYLENE | 1.4 | 32.0 |
| 8 | FILLER | NON-HYGROSCOPIC | | |
| 9 | BINDING TAPE | NON-HYGROSCOPIC | | |
| 10 | BEDDING | A LAYER OF PP YARN | 1.5 | |
| 11 | ARMOR | GALVANIZED STEEL WIRES-5.0mm STEEL WIRE COVERING (HDPE)-1.0mm | 38-2/ø6.0 | |
| 12 | OUTER SERVING | TWO LAYERS OF PP YARN | 4.0 | |
| 13 | EARTHING WIRE | STRANDED COMPACTED COPPER CONDUCTORS (CLASS 2) WITH WATER BLOCKING TAPE | APROX 9.9 | |
| | | XLPE(BLACK) | 1.1 | 93.8 |
| 14 | FIBER OPTIC UNIT | 72 CORE G.652D | | |

UNIT: mm

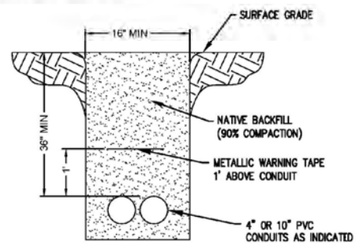
DETAIL C HENGTONG SUBMARINE CABLE



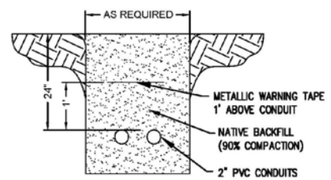

DETAIL B PROFILE OF PUD HAT ISLAND VAULTS
NOT TO SCALE




DETAIL A PLAN OF PUD HAT ISLAND VAULTS
NOT TO SCALE




DETAIL C 4" OR 10" PVC CONDUIT TRENCH DETAIL
NOT TO SCALE




DETAIL D 2" PVC CONDUIT TRENCH DETAIL
NOT TO SCALE

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025


PERMIT SET

SNOCO PFN 25 102526 LDA

SNOHOMISH COUNTY PUD
PUBLIC UTILITY DISTRICT NO. 1

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | AS NOTED |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

REVISIONS | DATE

ROBERT K. SCHNEIDER STATE OF WASHINGTON 32492 REGISTERED PROFESSIONAL ENGINEER

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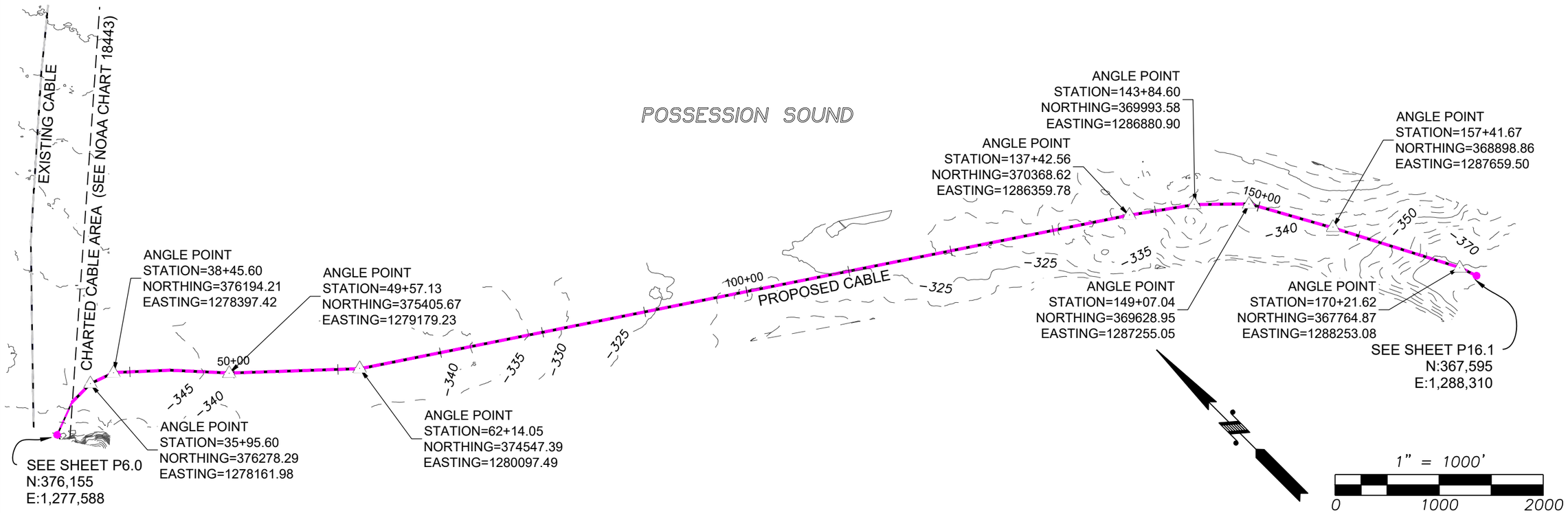
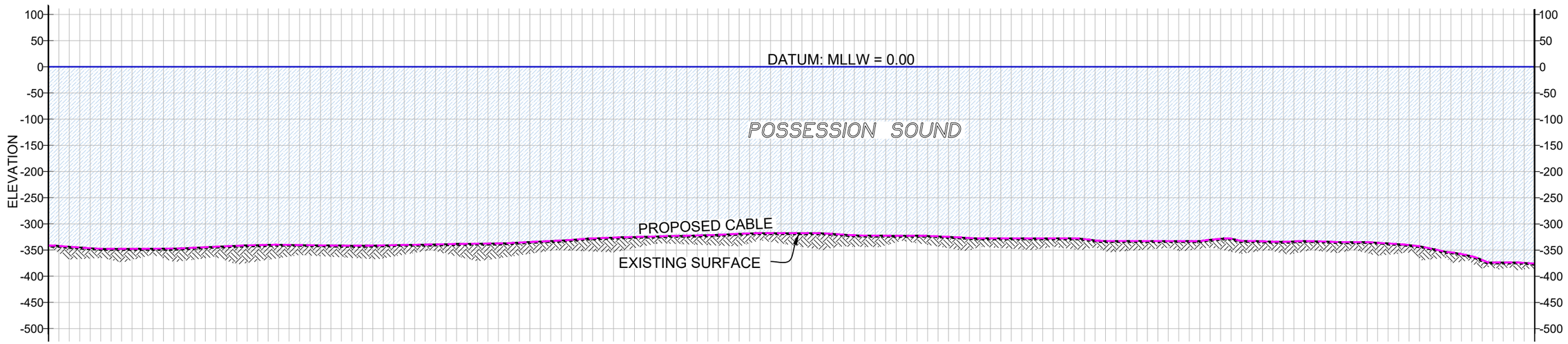
Engineers and Consultants
7515 WEST DESCHUTES AVENUE
KENNEWICK, WA 99336
(509) 735-5350

HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
PERMIT SET
**HAT ISLAND VAULT DETAILS**

| REV | DRAWING |
|---|---|
| 0 | P15.0 |

C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P15.0 VAULT DETAILS.DWG




**SUB-SEA CABLE PROFILE**
*SCALE 1"=1000' HORIZONTAL/ 1"=200' VERTICAL*

SNOHOMISH COUNTY PUD
PUBLIC UTILITY DISTRICT NO. 1

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

DATE

REVISIONS

ROBERT K. SCHNEIDER
STATE OF WASHINGTON
32492
REGISTERED
PROFESSIONAL ENGINEER

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KENNEWICK, WA 99336
(509) 735-5350

HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
PERMIT SET
**SUB-SEA CABLE PLAN & PROFILE SHEET 1**

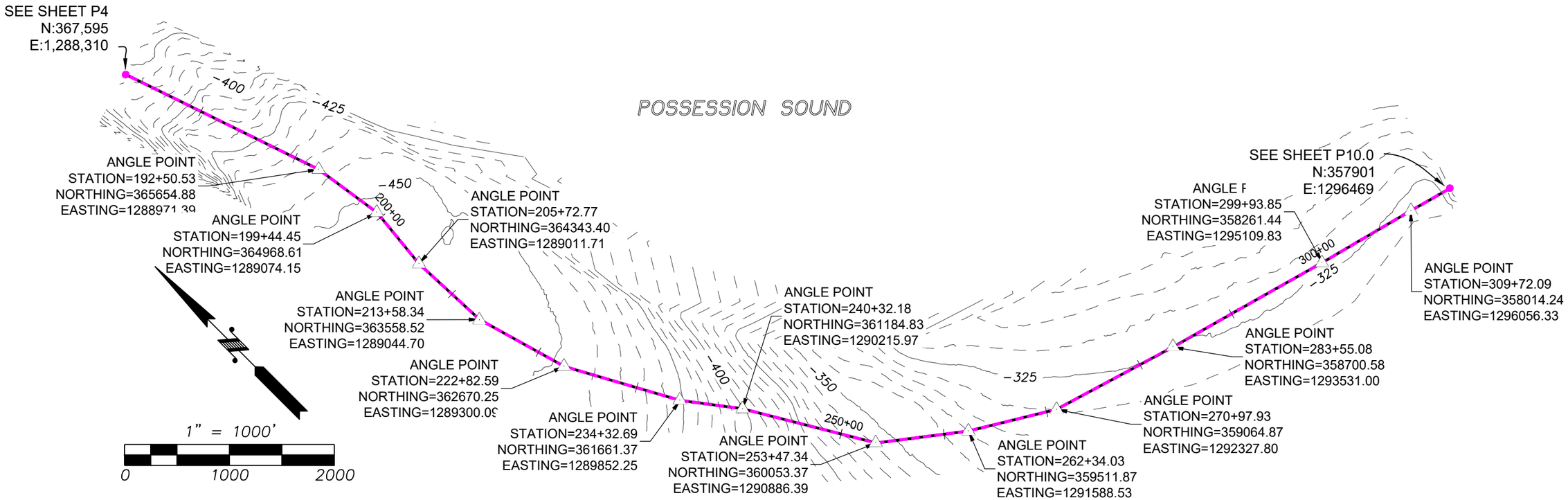
| REV | DRAWING |
|---|---|
| 0 | P16.0 |

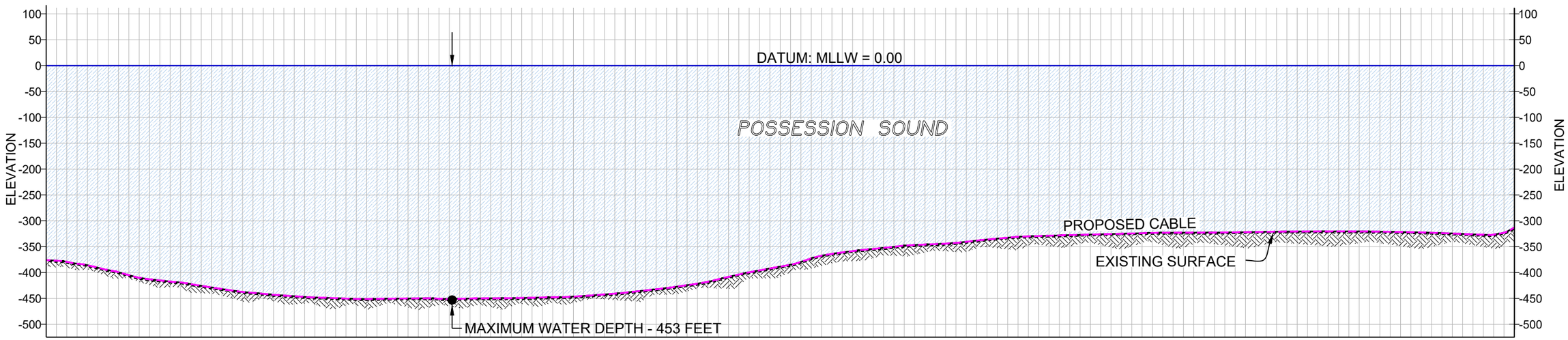
**PERMIT SET**

Corps:Ref #: NWS-2020-735-B
Date: ~~June 20, 2025~~
Page 18 of 19

**SNOCO PFN 25 102526 LDA**

C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P16.0 -P16.1 SUBSEA PLAN-PROF.DWG




## SUB-SEA CABLE PROFILE

SCALE 1"=1000' HORIZONTAL/ 1"=200' VERTICAL

Corps:Ref #: NWS-2020-735-B
Date: June 20, 2025


**PERMIT SET**

**SNOCO PFN 25 102526 LDA**

SNOHOMISH COUNTY PUD
PUBLIC UTILITY DISTRICT NO. 1

| | |
|---|---|
| WO | 100045299 |
| TASK | |
| SCALE | |
| DFTR | JTF |
| CHKR | EAS |
| ENGR | RKS |
| APVD | |
| DATE | 6/19/2025 |

DATE

REVISIONS

ROBERT K. SCHNEIDER
STATE OF WASHINGTON
32492
REGISTERED
PROFESSIONAL ENGINEER

DHITTLE & ASSOCIATES, INC.
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7515 WEST DESCHUTES AVENUE
KENNEWICK, WA 99336
(509) 735-5350

HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
PERMIT SET

**SUB-SEA CABLE PLAN & PROFILE SHEET 2**

| REV | DRAWING |
|---|---|
| 0 | P16.1 |

C:\USERS\JASON\WORK TRANSFER\19-486 SCO PUD\CONSTRUCTION SET\PERMIT SET 06-2025\19-486 P16.0 -P16.1 SUBSEA PLAN-PROF.DWG