

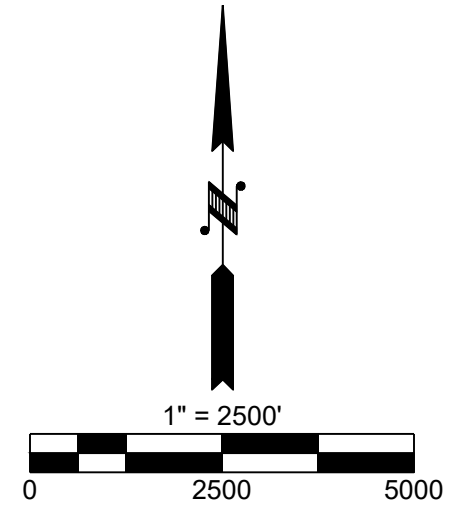
GENERAL PROJECT OVERVIEW
SCALE: 1"=2500'

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.

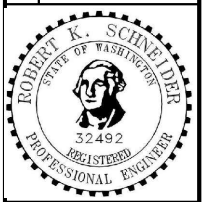
CABLE LENGTHS

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



SNOHOMISH COUNTY PUD PUBLIC UTILITY DISTRICT NO. 1	
WO	100045299
TASK	
SCALE	1"=2000'
DFTR	JTF
CHKR	EAS
ENGR	RKS
APVD	
DATE	12/20/2024

REVISIONS	DATE



DHITTLE & ASSOCIATES, INC.
Engineers and Consultants
7515 WEST DESCHUTES AVENUE
KENNEWICK, WA 99338
(509) 735-5350

HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
CONSTRUCTION PLANS
COVER SHEET

REV	DRAWING
0	C1.0

SHEET INDEX

SHEET	TITLE
C1.0	COVER SHEET & PROJECT OVERVIEW MAP
C2.0	SHEET INDEX AND LEGEND
C3.0	GENERAL NOTES
C4.0	HAT ISLAND GENERAL SITE PLAN
C5.0	HAT ISLAND SITE PREPARATION & SWPPP
C5.1	HAT ISLAND SWPPP NOTES AND DETAILS
C6.0	HAT ISLAND PLAN AND PROFILE OVERVIEW
C7.0	HAT ISLAND HDD PLAN & PROFILE
C8.0	PORT OF EVERETT GENERAL SITE PLAN
C9.0	PORT OF EVERETT SITE PREPARATION & SWPPP
C9.1	PORT OF EVERETT SWPPP NOTES AND DETAILS
C10.0	PORT OF EVERETT PLAN AND PROFILE OVERVIEW
C11.0	PORT OF EVERETT HDD PLAN & PROFILE SHEET 1
C12.0	PORT OF EVERETT HDD PLAN & PROFILE SHEET 2
C13.0	HDD DETAIL SHEET 1
C14.0	PORT OF EVERETT VAULT DETAILS
C15.0	HAT ISLAND VAULT DETAILS

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
- 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

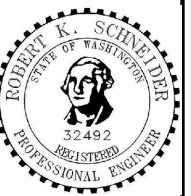
- NEW HDD CABLE / SUB SEA CABLE
- CABLE AND CONDUIT IN TRENCH
- ELECTRIC TRANSFORMER
- JUNCTION BOX
- ELECTRIC SWITCH VAULT
- ELECTRIC SPLICE VAULT
- CABLE CROSSING DAYMARK
- POWER POLE

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
- HDD - HORIZONTAL DIRECTIONAL DRILLING
- 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

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HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
CONSTRUCTION PLANS
SHEET INDEX & LEGEND

REV	DRAWING
0	C2.0

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
NAVD88	2.03
MEAN LOW WATER (MLW)	2.80
MEAN HIGH WATER (MHW)	10.21
MEAN HIGHER HIGH WATER (MHHW)	11.09

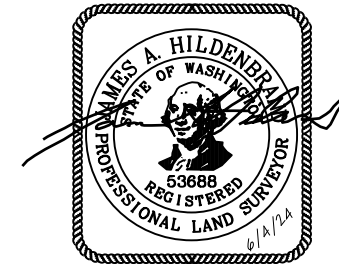
3. EXTREME LOW TIDE (ELT) AS SHOWN HEREON, AND AS DEFINED BY PUBLISHED DNR GUIDANCE MEANS THE LINE AS ESTIMATED BY THE FEDERAL GOVERNMENT BELOW WHICH IT MIGHT REASONABLY BE EXPECTED THAT THE TIDE WOULD NOT EBB. IN THE PUGET SOUND AREA OF WASHINGTON STATE, THIS LINE IS ESTIMATED BY THE FEDERAL GOVERNMENT 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).
4. ALL DISTANCES AND ELEVATIONS SHOWN HEREON ARE IN FEET AND DECIMALS THEREOF.
5. TERRESTRIAL AREAS OF HAT ISLAND WERE SURVEYED AND MAPPED BY HARMSSEN LLC IN DECEMBER AND JANUARY OF 2019.
6. BATHYMETRIC INFORMATION PROVIDED BY TETRATECH BATHYMETRIC SURVEY CONDUCTED BETWEEN AUGUST 8 AND SEPTEMBER 15, 2022.
7. 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.
8. 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.

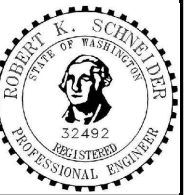
SPECIFIC SURVEY WORK TO DATE HAS INCLUDED THE REFERENCED BATHYMETRIC DATA ALONG THE CABLE ROUTE PREPARED BY TETRA TECH BETWEEN AUGUST 8 AND SEPTEMBER 15, 2022. DATA AND REPORTS WERE STAMPED UNDER SEPARATE REPORT PREPARED FOR SAID INFORMATION.

CERTIFICATION HEREON IS LIMITED TO THOSE TERRESTRIAL (UPLAND) AREAS OF HAT ISLAND WERE THE SUBJECT OF TOPOGRAPHIC SURVEY AND MAPPING BY HARMSSEN LLC IN DECEMBER AND JANUARY OF 2019. IN ADDITION, SELECTED HORIZONTAL AND VERTICAL CONTROL POINTS AT THE PORT OF EVERETT SITE WERE VERIFIED BY HARMSSEN 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.



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HAT ISLAND TO PORT OF EVERETT
CABLE CROSSING
CONSTRUCTION PLANS
GENERAL NOTES SHEET

REV	DRAWING
0	C3.0