

PROJECT DATA

MASON COUNTY PUD NO.1 (MCPUD1)

KRISTIN MASTELLER  
GENERAL MANAGER  
OFFICE: 360.877.5249 X 202

JEREMIAH WAUGH, PE  
ENGINEERING MANAGER  
OFFICE: 360.877.5249  
CELL: 360.605.6191

HOOD CANAL COMMUNICATIONS (HCC):

ANDREW BUECHEL  
360.490.9210  
ANDREWB@HOODCANAL.NET

SITE LOCATION:

LILLIWAUP, WA

PROJECT LOCATION : START: 47.456317, -123.113525; END: 47.461978, -123.109298



DRAWING LEGEND

CV - COVER SHEET  
E1 - PLAN DRAWINGS

ABBREVIATIONS

OH: OVERHEAD  
UG: UNDERGROUND  
DE: DEADEND  
DDE: DOUBLE DEADEND  
XFMR: TRANSFORMER  
GOS: GROUP OPERATED SWITCH  
SEC: SECONDARY  
PRI: PRIMARY  
ANC: ANCHOR  
TAN: TANGENT

SYMBOL LEGEND

- POLE REPLACE
- POLE EXISTING
- GUY & ANCHOR NEW
- GUY & ANCHOR EXISTING
- GOS NEW LOCATION
- UG VAULT NEW
- UG 3PH CABINET NEW
- UG 1PH CABINET NEW
- UG CABINET EXISTING
- UG 3PH RISER NEW/REPLACE
- UG 3Ø NEW
- OH 3Ø NEW
- UG 1Ø NEW
- OH 1Ø NEW
- UG SEC NEW
- OH SEC NEW
- UG 3Ø PRI EXISTING
- UG 1Ø PRI EXISTING
- OH PRI EXISTING
- OH SEC EXISTING
- UG SEC EXISTING
- OH REMOVALS
- UG REMOVALS
- MILE POST
- 1/10 MILE POST

GENERAL NOTES

- PLAN DRAWING EQUIPMENT LOCATIONS ARE APPROXIMATE. ALL EQUIPMENT SHALL BE INSTALLED AS STAKED. VAULT STAKES ARE ROADSIDE FRONT AND CENTER EDGE OF PROPOSED VAULTS.
- ASSUME COMMUNICATION CONDUIT IN MCPUD1 TRENCHES AND BORES. ASSUME STUBS (1) HCC & (1) LUMEN NEAR EACH VAULT LOCATION. COMMUNICATION COMPANIES ARE RESPONSIBLE FOR COORDINATING PRECISE STUB LOCATIONS WITH CONTRACTOR.
- ALL OH TRANSFORMERS TO BE FUSED PER "OH FUSE LOOK-UP TABLE" PROVIDED IN ATTACHED GUIDELINES DOCUMENT. FUSES NOT SHOWN ON DRAWINGS.
- ALL OVERHEAD TRANSFORMER (OH XFMR) CANS WITH RUST ON THE LID SHALL BE REPLACED WITH NEW OH XFMRs. CONTRACTOR SHALL IDENTIFY ANY POLES NOT LISTED AND NOTIFY PUD1. PUD1 WILL PROVIDE OH TRANSFORMERS.
- REFER TO CONDUCTOR SPECIFICATIONS FOR STRINGING & SAG TABLES.
- USE PLASTIC CONDUIT PLUGS AT EACH MCPUD1 STUB LOCATION.
- MCPUD1 WILL SUPPLY MOST OF THE MAJOR UG MATERIALS: VAULTS, 1-PHASE CABINETS W/ 4PTS JUNCTIONS, 3-PHASE CABINETS W/ 4PTS JUNCTIONS, SCH40 2" & 3" STICK CONDUIT, 500MCM CABLE, AND 1/0 CABLE.
- CONTRACTOR SHALL SUPPLY THE REMAINING UG MATERIAL. INCLUDING BUT NOT LIMITED TO: ALL RISER PRI ASSEMBLY MATERIALS EXCEPT FOR GOS (SWITCH ONLY), 4-PT JUNCTIONS, 500MCM DEADBREAK ELBOWS, 1/0 LOADBREAK ELBOWS, FUSE LINKS, 600A TO 200A FOOTBALLS & 200A & 600A DUST CAPS, AND OTHER MATERIALS FOR MAKING UP VAULTS, CABINETS, SECONDARY PEDESTALS, CONSUMABLES (PVC GLUE, MULE TAPE, ADDITIONAL BACK FILL MATERIAL, ETC) AND ALL THE BORE CONDUIT (3" AND 2").
- MCPUD1 WILL SUPPLY POLE AND GOS
- CONTRACTOR ALL OF THE REMAINING OH MATERIALS.
- HCC WILL SUPPLY ALL HCC CONDUIT AND MATERIALS.
- REFER TO INSTALLATION SPECIFICATIONS FOR STORAGE AND INSTALLATION OF EQUIPMENT AND MATERIAL. IF THERE ARE COMPETING SPECIFICATIONS OR GUIDELINE ADHERE TO STRICTEST ONE.
- ALL TRENCHES SHALL HAVE A MINIMUM WIDTH OF 2' UNLESS SPECIFIED OTHERWISE.
- ALL TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH DRAWING DETAILS, AND SPECIFICATIONS.
- ALL CONDUIT ENTRANCES IN TO VAULTS SHALL BE CONCRETE GROUTED ACCORDING TO BEST PRACTICES.
- ALL CONDUIT SHALL HAVE PULL TAPE (MULE TAPE RATED 2.5KIP MIN) INSTALLED AND SECURED AT ALL ENDS.
- CONTRACTOR SHALL FOLLOW ALL FEDERAL, STATE AND LOCAL LAWS REGARDING UNDERGROUND CONSTRUCTION AND SAFETY PRACTICES.

BID DRAWING

LILLIWAUP BAY  
REBUILD - PHASE 2  
COVER SHEET



CV  
1 / 2

| REV | DATE       | REVISION DESCRIPTION | DESIGNER |
|-----|------------|----------------------|----------|
| 0   | 10/08/2026 | BID DRAWING          | JJW      |

CURRENT REVISION: 0

WORK ORDER: 25060



OVERHEAD NOTES

- P1 EXISTING POLE. REWORK CABLE AT RISER PER UG NOTES.
- P2 REPLACE W/ 50-2 POLE, 3PH DE FG, GOS, DOWN GUY & ANCHOR.
- P3 EXISTING POLE. REWORK CABLE AT RISER PER UG NOTES.

UNDERGROUND NOTES

- V1 INTERCEPT EXISTING 500MCM. INSTALL 775 VAULT. DROP EXISTING 500MCM FROM P1 INTO NEW VAULT. PULL IN NEW 500MCM TO P1.
- P1 REUSE EXISTING 3PH 3" RISER. DROP EXISTING 500MCM INTO V1. PULL IN NEW 500MCM FROM V1.
- V2 INTERCEPT EXISTING 4/0 UG. INSTALL 775 VAULT. (2) 3PH 600A WAYS & (1) 3PH 200A WAY TO PICK UP EXISTING TO THE SOUTHWEST.
- P2 INSTALL 500MCM RISER W/ GOS.
- C1 INTERCEPT EXISTING 4/0 UG. INSTALL 3-PHASE CABINET. DROP EXISTING 4/0 UG FROM P3 INTO NEW CABINET. PULL IN NEW 4/0 UG TO P3.
- P3 REUSE EXISTING 3PH 2" RISER. DROP EXISTING 4/0 UG INTO C1. PULL IN NEW 4/0 UG FROM C1.
- C2 INSTALL 1-PHASE CABINET.

JOINT TRENCH/BORE NOTES

- V1 - P1 EXISTING CONDUIT - PULL CABLE ONLY
- V1 - V2 (3) 3" SCH40 (MCPUD1), (2) 2" SCH40 (HCC) - 1300'
- V2 - P2 (3) 3" SCH40 (MCPUD1), (2) 2" SCH40 (HCC) - 300'
- C1 - P3 EXISTING CONDUIT - PULL CABLE ONLY
- C1 - C2 (1) 2" SCH40 (MCPUD1), (1) 2" SCH40 (HCC) - 100'

BORING NOTES

- 1 BORE UNDER BAY PER GEOTECHNICAL REPORT.
- 2 BORE UNDER HWY 101 XING.

S:\03 PROJECTS\2026 PROJECTS\25060 LILLIWAUP BAY UG DESIGN\25060 LILLIWAUP Bay Rebuild UG-Phase 2.dwg, Jeremiah Waugh, 10/9/2026 6:43 AM

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BID DRAWING

LILLIWAUP BAY REBUILD  
PLAN DRAWINGS  
LILLIWAUP BAY

CURRENT REVISION: 0      WORK ORDER: 25060



E1  
2 / 2