



Tillamook County Department of Community Development
1510-B Third Street, Tillamook, OR 97141 | Tel: 503-842-3408 Fax: 503-842-1819
www.co.tillamook.or.us

DEVELOPMENT PERMIT

OFFICE USE ONLY
Date Stamp
<input type="checkbox"/> Approved <input type="checkbox"/> Denied
Received by:
Receipt #:
Fees: 750.
Permit No: 851-22-00573 -PLNG

Applicant (Check Box if Same as Property Owner)

Name: David Selby / AMCS, LLC Phone: 206-577-6684
Address: 410 Terry Avenue North
City: Seattle State: WA Zip: 98109
Email: subsea-interest@amazon.com; infrastructure-contract-notices@amazon.com

Property Owner

Name: Matt Updenkelder / Astound Phone: 541-760-9822
Address: 151 E. Olive Street
City: Newport State: OR Zip: 97365
Email: matthew.updenkelder@astound.com

Description of Work: Please see Attachment A.

Location:

Site Address: 5195 WI Ne Ma Rd, Cloverdale, OR 97112

Map Number: 05S 11W 12 6200
Township Range Section Tax Lot(s)

Complete all applicable fields:

Regulatory Floodway: <input type="checkbox"/>	Estuary: <input type="checkbox"/>	Floodplain: <input checked="" type="checkbox"/>
New: <input checked="" type="checkbox"/>	Addition: <input type="checkbox"/>	Replacement: <input type="checkbox"/>
Remodel: <input type="checkbox"/>	Demolish: <input type="checkbox"/>	
Dwelling: N/A	Accessory Structure: N/A	
Culvert Diameter: N/A	Bridge Length: N/A	
Length: N/A	Width: N/A	
Fence Height: N/A	Retaining Wall Height: N/A	
Streambank Stabilization: N/A	Other: Beach Manhole (BMH)	
Fill/Removal/Grading: 24.1 CY	Vegetation Removal: TBD CY	

Structure/Damage \$: 0	5 Year Construction \$: 0
<i>Substantial improvement/damage threshold 50% cost vs. value</i>	

Flood Insurance Rate Map (FIRM) Panel Info

Tillamook County	Panel Number: 410196_0865F
Effective Date: 09/28/2018	Property Flood Zone(s): VE&AE
Floodway: <input type="checkbox"/> N <input checked="" type="checkbox"/>	Project Flood Zone(s): VE
Stream/Waterbody Name:	Pacific Ocean

Elevation Data (NAVD 88)

Base Flood Elevation: 27.2	First Habitable Floor: N/A
Lowest Floor/Horizontal Member: N/A	
Enclosed Area: N/A	Flood Vent Area: N/A

Other Required Permits

Tillamook County Conditional Use Permit;	
DSL Removal-Fill Permit and Easement; USACE NWP #57;	
OPRD Ocean Shores Permit; DLCD Coastal Zone Management	
Consistency Determination	

Authorization

This permit application does not assure permit approval. The applicant and/or property owner shall be responsible for obtaining any other necessary federal, state, and local permits. The applicant verifies that the information submitted is complete, accurate, and consistent with other information submitted with this application.

	9/22/2022
Property Owner Signature (Required)	Date
	September 21, 2022 9:19 AM
Applicant Signature	Date



Conditions of Approval

- The applicant shall obtain all applicable Federal, State, and Local permits prior to the start of any development.
- The property owner shall comply with all submitted plans and descriptions of the project.
- The property owner shall comply with all 'Zone ___' flood hazard construction standards per FEMA requirements. All construction shall adhere to the standards for residential structure in the '___' flood zone per TCLUO Section '_____'. This shall be reviewed and verified by this Department during the Building Permit process.
- The dwelling shall comply with all of the Building Code requirements for Anchoring, Construction Materials and Methods, and Utilities for residential structure located in the '_____' flood zone.
- The property owner shall submit a Flood 'Pre-Elevation' certificate at the time of Building Permit application. A 'Post-Elevation' certificate shall be submitted during the construction process. Both shall be completed by a registered surveyor and shall be provided on the current FEMA form.
- This approval becomes null and void two years post approval date unless all conditions are met, or an extension is requested from and approved by this Department.

Additional Staff Comments and Conditions

Planner Signature

Date



Attachment A

Flood Development Permit Application For Bifrost Submarine Cable Installation Tillamook County, Oregon

Project Description:

AMCS, LLC proposes to install the Bifrost Submarine Cable System (or "Bifrost"), an ultra-high speed fiber optic cable system providing large capacity direct link between the continental U.S. (Oregon and California) and Asia (Singapore), crossing the Pacific Ocean. The proposed installation and operation of this utility line has been designed to minimize impacts to air, water, land, public facilities, beaches, dunes, and nearby residential properties. On the continental shelf, the cable would be buried in the seafloor where possible. The cable would land on private property, located at 5611 Wi Ne Ma Road in Cloverdale, Oregon (**Figure 1**), utilizing proposed new underground facilities including a steel bore pipe installed by horizontal directional drill (HDD), a new beach manhole (BMH), a short (235-foot [71.6-meter [m]]) segment of new terrestrial conduit.

The proposed single HDD bore, 7-inch (18-centimeter) in diameter and approximately 4,100 feet (1,250 m) in total length, would extend from the proposed BMH, westerly to a point beyond the active surf zone approximately 3,100 feet (945 m) offshore at a water depth of approximately 52.5 feet (16 m). The Bifrost cable would later be pulled into this bore pipe (Lot 6200; **Figure 2**).

This HDD effort would provide the terrestrial-to-marine interface to minimize possible disturbances to the beach area and nearshore environment. The HDD profile would be at least 30 feet (9.1 m) below grade, in accordance with Oregon State requirements, while also providing maximum protection to the cable in the surf zone. It would take approximately 4-5 weeks to complete the BMH installation and HDD activities, however, deviations from standard operating pace, such as equipment breakdowns or delays in shipments, could add to this timeline. Upon completion of the HDD operations, areas surrounding the BMH would be restored to pre-construction conditions.

Site preparations on Lot 6200 would include grading to install a new, underground BHM. All proposed construction activities would be at or below grade:

1. For the BMH, approximately 12 feet (length) x 6 feet (width) x 7 feet (depth) (3.7m x 1.8m x 2.1m) would be excavated, removing 20.1 cubic yards (yd³; 15.3 cubic meters [m³]) of fill. Any excess excavated material would be disposed of offsite.
2. The temporary excavation for the HDD bore pit would measure approximately 6-feet wide x 6-feet long x 3-feet deep (1.8 m x 1.8 m x 0.9 m) requiring the removal of approximately 4 yd³ (3 m³) of material. The bore pit would be backfilled with the excavated material upon installation of the BMH.
3. Upon completion of the BMH and conduit installation, the site would be restored to its pre-construction elevations and vegetation.

