OFFICE USE ONLY

Date Stamp



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

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Applicant Signature Date	Applicant □ (Check Box if Same as Property Owner)					
City: Seattle State: WA Zip: 98109	Name: David Selby / AMCS, LLC Phone: 206-577-6684					
Email: subsea-interestigamazon.com; infrastructure-contract-notices@amazon.com Property Owner Name: Matt UpdateMark / Astound Phone: 541-760-9822 Address: 161 E. Olive Street City: Newport State: OR Zip: 97365 Email: matthew updenkelder@astound.com Description of Work: Please see Atlachment A. Location: Site Address: 5195 Wi Ne Ma Rd, Cloverdale, OR 97112 Map Number: OSS 11W 12 6200 Township Range Section Tax Lot(s) Complete all applicable fields: Regulatory Floodway: Estuary: Floodplain: Valuation Replacement: Remodel: Demolish: Dwelling: N/A Accessory Structure: N/A Width: N/A Pridge Length: N/A Width: N/A Retaining Wall Height: N/A Retaining Wall Height: N/A Retaining Wall Height: N/A Streambank Stabilization: N/A Other: Beach Manhole (BMH) Fill/Removal/Grading: 24,1 CV Vegetation Removal: TBD CV Structure/Damage S: 0 5 Year Construction S: 0 Substantial improvement/damage threshold 50% cost vs. value 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 of property owner shall be responsible for obtaining any other necessary federal, state, and local permits. The applicant of property owner shall be responsible for obtaining any other necessary federal, state, and local permits. The applicant of property owner shall be responsible for obtaining any other necessary federal, state, and local permits. The applicant verifies that the information submitted is completespacusate, and consistent with other information submitted with this application. Page 121, 202 Applicant Signature Property Owner Signature Property Owner shall be responsible for Data Name Signature Signature Property Owner shall be responsible for Data Name Signature Signatur	Address: 410 Terry Avenue North					
Email: subsea-interest@amazon.com; infrastructure-contract-notices@amazon.com Property Owner Name: Matt Updmakelder / Astound Phone: 541-760-9822 Address: 191 E. Olive Street City: Newport State: OR Zip: 57365 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: 0sS 11W 12 6200 Township Range Section Tax Lot(s) Complete all applicable fields: Regulatory Floodway: Estuary: Floodplain: Valuength: NA Location Replacement: Remodel Demolish: Floodway: Panel Number: 410196 0a65E Effective Date: 09292018 Property Flood Zone(s): VE&AE Floodway: My Project Flood Zone(s): VE&AE Floodway: My Project Flood Zone(s): VE Streambank Stabilization: NJA Other Required Permits Streambank Stabilization: NJA Other Required Permits Structure/Damage \$: 0 5 Year Construction \$: 0 Substantial improvement/damage threshold 50% cost vs. value 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 and/or property owner shall be responsible for obtaining any other necessary federal, state, and local permits. The applicant and/or property owner shall be responsible for obtaining any other necessary federal, state, and local permits. 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 completes. September 21, 202 Applicant Signature Property Williams (Subs) September 21, 202 Applicant Signature	City: Seattle State: WA Zip:	98109	□Approved □Denied			
Receipt #: Name: Mat Updonkelder / Astound Phone: 541-760-8822 Address: 1s1 E. Olive Street City: Newport State: OR Zip: 97365 Email: mathew.updenkelder@astound.com Description of Work; Please see Attachment A. Location: Site Address: 5195 WI Ne Ma Rd, Cloverdale, OR 97112 Map Number: OSS 111W 12 6200 Map Number: OSS 111W 12 6200 Complete all applicable fields: Regulatory Floodway: Estuary: Floodplain: Valuation Replacement: Remodel: Demolish: Ploodway: Panel Number: 410196 (2865E) Dwelling: NA Accessory Structure: N/A Width: N/A Culvert Diameter: N/A Eriding Wall Height: N/A Culvert Diameter: 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 Substantial improvement/damage threshold 50% cost vs. value 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 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 completes againgtage. And consistent with other information submitted with this application. Malf Upublish: Substantial Substantial Substantial Required Property Substantial Substan	Email: subsea-interest@amazon.com; infrastructure-contract-notices@amazon.					
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 Altachment A. Description of Work: Please see Altachment A.	Proporty Owner					
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Applicant Signature Date			September 21, 2022			
	Applicant Signature 2/7AB44UU2UA64E4					
Development Permit Application Rev. 9/18/15 Page 1	Development Permit Application Rev. 9/3					



Conditions of Approval

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.