



8113 W. GRANDRIDGE BLVD., KENNEWICK, WASHINGTON 99336-7166
TELEPHONE 509-734-4500 FACSIMILE 509-737-9803
www.cngc.com

Date: January 28, 2019
Subject: Proximity Request – Oak Harbor High Pressure Main Relocate
Sender: Sam Hamilton, Manager Compliance and Operations Programs
Cascade Natural Gas Corporation
Mailing Address: 8113 W. Grandridge Blvd., Kennewick WA 99336-7166
Phone Number: (509) 734-4595
Email Address: sam.hamilton@cngc.com
Identification of Proceeding: N/A
Identification of Documents: CNG-Oak Harbor-Proximity Request-1-28-19

Received
Records Management
02/13/19 11:11
State Of WASH.
UTIL. AND TRANSP.
COMMISSION



8113 WEST GRANDRIDGE BOULEVARD, KENNEWICK, WASHINGTON 99336-7166

January 28th, 2019

Sean Mayo
Director, Pipeline Safety
Utilities & Transportation Commission
1300 S. Evergreen Park Dr. S.W
PO Box 47250
Olympia, WA 98504-7250

Subject: WAC 480-93-020 – Request for Approval – Oak Harbor High Pressure Main Relocate

Dear Mr. Mayo:

Pursuant to the requirements of WAC 480-93-020 Proximity Considerations, Cascade Natural Gas Corporation (CNGC) requests approval to operate a replaced section of 6-inch pipeline at a Maximum Allowable Operating Pressure (MAOP) of 400 psig within 100 feet of existing structure intended for human occupancy.

Proposed Scope of Work:

The US Naval Air Station, Whidbey Island has informed CNGC of proposed construction plans for a facility located on the Naval Air Station base in Oak Harbor. The new facility to be constructed will be in conflict with the existing 6-inch Oak Harbor high pressure line where a 450 foot segment of 6-inch pipeline will have to be relocated. This pipeline operates at an MAOP of 400 psig. Approximately 450 feet of the new pipeline will be installed using standard excavated trench. The complete route is depicted on the attached aerial map, titled Oak Harbor 6-inch HP Line Relocate – Project Route (Figure #1).

The proposed section of 6-inch pipeline will be designed with a minimum component rating of 720 psig and will be pressure tested to a minimum of 750 psig following CNGC's established testing procedures. The MAOP of the 6-inch pipeline will continue to be 400 psig. At the proposed MAOP of 400 psig, the maximum stress level of the 450-foot replaced section pipe and pipeline fittings will be 9.1% of the specified minimum yield strength. Thus, this pipeline section will be classified as high pressure distribution main. There will be 10% NDT performed on the welds of the newly installed section of pipeline.

Specifications of the 6-inch pipeline are as follows:

- 450 feet of 6” x 0.280” API 5L Grade X-52 steel line pipe with fusion bonded epoxy coating.
- All fittings (elbows, tees, caps, etc.) will be a minimum standard weight, ANSI 16.9 WPHY-52.
- All components (valves, line stoppers, etc.) will be ANSI Class 300 with a maximum working pressure rating of 720 psig.

Proximity:

The proposed pipeline will be installed within 100 feet of the following building as shown on Figure 1:

- 45 feet from new Navy facility at 3530 N. Charles Porter Ave., Oak Harbor WA 98277.

Increasing the distance between the proposed pipeline and the building at this location would require three road crossings and is economically infeasible.

Alternatives:

An alternative to the chosen route would be to re-route the pipe across North Charles Porter Ave the 100-foot distance from the new Navy facility at 3530 N. Charles Porter Ave. Alternate route would require three road crossings. The alternate route is not considered economically practical as existing pipeline are in place and the alternate route would add 100-ft of additional high-pressure pipe.

Closing:

CNGC respectfully requests your approval to move forward with the installation of the proposed 6-inch Oak Harbor High Pressure Line project which is scheduled to begin construction at the beginning of March 2019. If you have any questions or require additional information, feel free to contact me at (509) 734-4595 or via email at sam.hamilton@cngc.com

Sincerely,

CASCADE NATURAL GAS CORPORATION

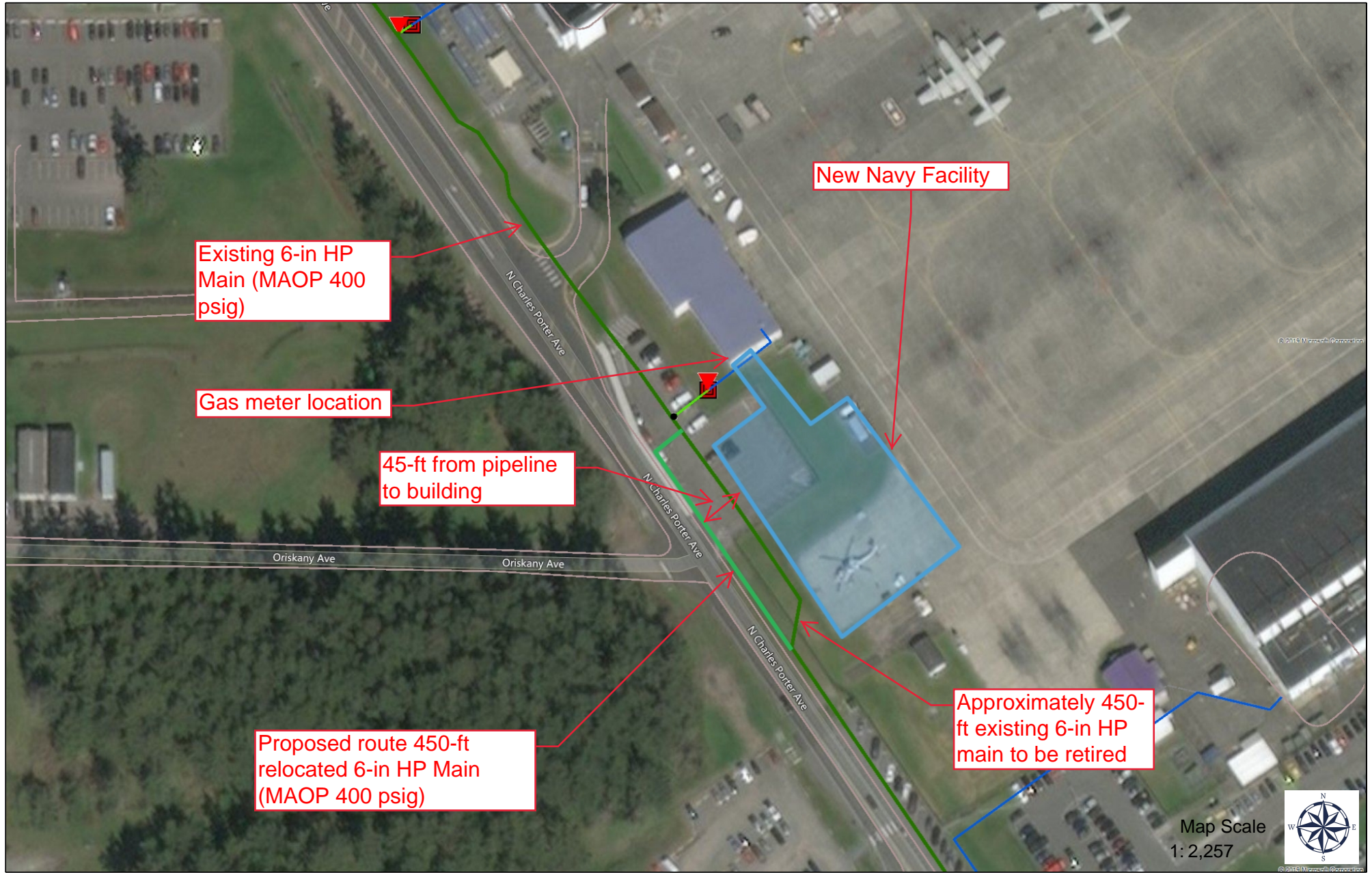
Sam Hamilton

/s/ Sam Hamilton

Manager, Compliance and Operations Programs

CC: Michael Schoepp
Tiffany Urland
Craig Chapin

Oak Harbor 6-inch HP Line Relocate - Project Route



0.1 0 0.04 0.1

WGS_1984_Web_Mercator_Auxiliary_Sphere
© Cascade Natural Gas Corporation

Miles

This map is a user generated static output from the GIS Web Viewer mapping website and is for reference only. It is not to be relied upon for construction purposes. It is provided for planning purposes only.
FIELD LOCATES ARE REQUIRED FOR LOCATION OF UTILITY FACILITIES

Notes:

Map Scale
1:2,257

