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8113 WEST GRANDRIDGE BOULEVARD, KENNEWICK, WASHINGTON 99336-7166

Date: April 26, 2023

Subject: WAC 480-93-020 N. Track Rd Proximity Request

To: Amanda Maxwell, Executive Direction and Secretary, Utilities & Transportation Commission

Sender: Colby Lundstrom, Manager of Compliance and Operations Programs Cascade Natural Gas Co.

Mailing Address: 8113 W Grandridge Blvd., Kennewick, WA 99336-7166

Phone Number: (509) 734-4587

Email Address: Colby.lundstrom@mdu.com

Identification of Proceeding: N/A

Identification of Documents: CNG – N. Track Road Replacement Wapato, WA – Proximity Request 4/26/2023



8113 WEST GRANDRIDGE BOULEVARD, KENNEWICK, WASHINGTON 99336-7166

April 26, 2023

Amanda Maxwell
Utilities & Transportation Commission
621 Woodland Square Loop SE
Lacey, WA 98503

Subject: WAC 480-93-020 N. Track Rd Proximity Request

Dear Mrs. Maxwell:

Pursuant to the requirements of WAC 480-93-020 Proximity Considerations, Cascade Natural Gas Corporation (CNGC) requests to operate the proposed pipeline at pressure of 400 psig within 100 feet of existing buildings or those that are under construction. CNGC is performing this work to maintain core customer needs and to have the ability to supply necessary capacities for future growth in Wapato, WA. This project is identified in CNGC's 2023 IRP filing and is required to meet the MAOP Validation Settlement with the WUTC.

Proposed Scope of Work:

The proposed pipeline replacement consists of installing approximately 31,000-feet of 6-inch steel pipeline and retiring an existing regulator to operate the new pipe at the same pressure as the upstream system. This replacement will take the place of the existing high-pressure pipeline that operates at 152 MAOP, fed by a regulator that cuts the upstream pressure of 400 psig to 152 psig. The extent of this replacement is depicted on the attached aerial maps located in Appendix A. This Proximity Request is for approval to operate the replacement pipeline at a 400 MAOP.

The regulator station being retired with this replacement is regulator station 87 (R-87). R-87 is located on the corner of E McDonald Rd and Evergreen HWY and cuts the 400 psig pressure from the gate station to the current MAOP of 152 psig. The materials being proposed for the replacement section will allow high pressure gas to be delivered directly to the town border station for Wapato, WA, increasing the volume of gas able to be delivered to this community.

At the proposed MAOP of 400 psig, the stress level of the new distribution regulator station, mainline replacement pipe, and pipeline fittings will be a maximum of 9.1% of the specified minimum yield strength. Thus, the N. Track Rd replacement section will be classified as high-pressure distribution main, not Transmission. One hundred percent (100%) NDT will be performed on all newly installed pipe.

Specifications of the 6-inch pipeline and associated facilities are as follows:

- All components (valves, line stoppers, etc.) will be ANSI Class 300 with a maximum working pressure rating of 720 psig.
- All pipe and associated fittings will consist of API 5L specification and of a X52 or Y52 grade as well as standard wall thickness

Proximity & Alternatives:

The N. Track Rd pipeline be within 100 feet of 19 structures as shown in Appendix A. Route analysis and protective measures were taken into consideration of the pipeline's route and its proximity to the public and associated facilities.

Alternative routes were explored as detailed in CNGC's 2023 IRP filing under "Wapato High Pressure Reinforcements."

Closing:

CNGC respectfully requests your approval to operate the replacement 6" N Track Rd high-pressure pipeline within a 400 MAOP. Construction for the Wapato HP replacement project is scheduled to begin in May of 2023 upon approval of this request and other permitting with the City of Wapato and the Yakima Nation. If you have any questions or require additional information, feel free to contact me at (509) 734-4587 or via email at Colby.Lundstrom@mdu.com

Sincerely,

CASCADE NATURAL GAS



Colby Lundstrom
Manager of Compliance Ops. Programs

CC: Pat Darras
Mike Schoepp
Craig Chapin

Enclosures

Appendix A - Buildings within 100-foot proximity to the pipeline and facilities.

Appendix A

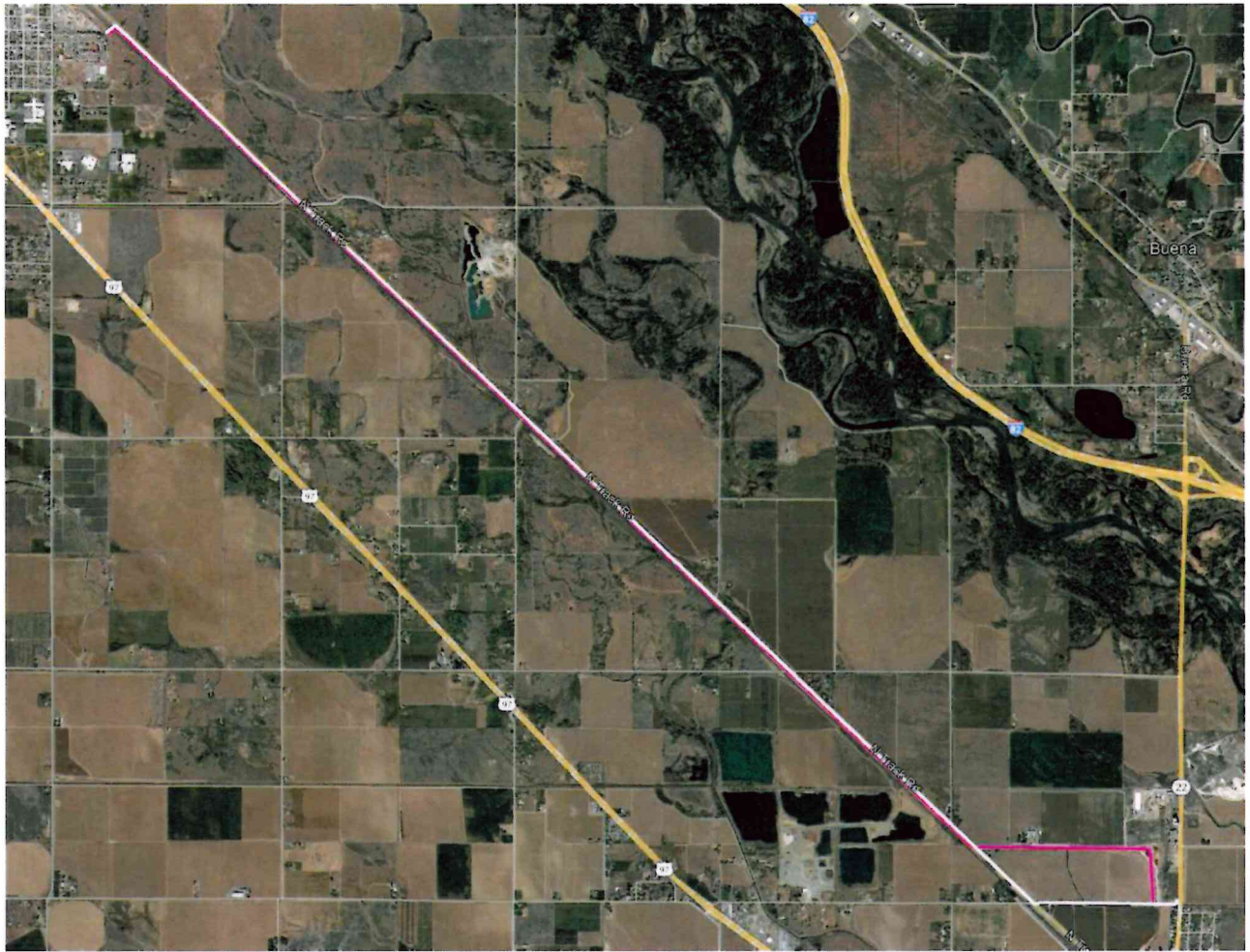


Figure 1: Overall view of the proposed N. Track Rd pipeline replacement (White) and existing line (Pink).



Figure 2: Section of the proposed pipeline showing buildings 1-4 within the 100-foot proximity boundary.



Figure 3: Section of the proposed pipeline showing buildings 5 - 9 within the 100-foot proximity boundary.



Figure 4: Section of the proposed pipeline showing buildings 10 - 14 within the 100-foot proximity boundary.

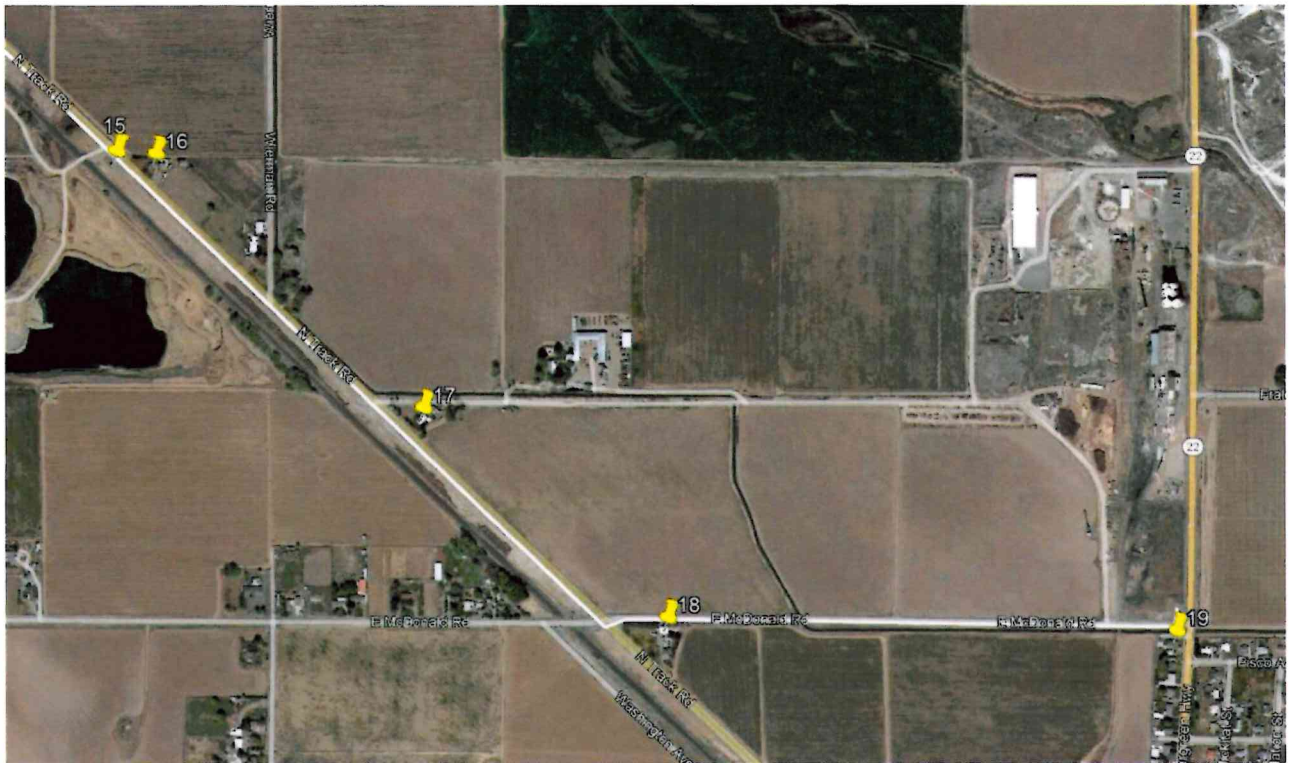


Figure 5: Section of the proposed pipeline showing buildings 15 - 19 within the 100-foot proximity boundary.

Proximity Buildings

Bldg. #	Distance to HP Line (feed)	Bldg. Description
1	83 ft	Residence
2	45 ft	Residence
3	84 ft	Residence
4	100ft	Residence
5	83 ft	Kennel
6	100 ft	Residence
7	91 ft	Shed
8	97 ft	Livestock Shelter
9	100 ft	Livestock Shelter
10	83 ft	Residence
11	91 ft	Residence
12	100 ft	Shed
13	98 ft	Residence
14	98 ft	Residence
15	28 ft	Sub Station
16	83 ft	Residence
17	100 ft	Residence
18	44 ft	Residence
19	85 ft	Residence