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Date: 2-6-2020

Subject: Proximity Request – Badger Road-Pressure Line Proximity Request

Sender: David Gutschmidt, Manager of Compliance Ops Programs
Montana-Dakota Utilities Co.

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

Phone Number: (509) 734-4535

Email Address: david.gutschmidt@mdu.com

Identification of Proceeding: NA

Identification of Documents: CNG-BADGER RD-PROXIMITY REQUEST-2-6-2020

Received
Records Management
02/06/20 14:52
State Of WASH.
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COMMISSION



8113 WEST GRANDRIDGE BOULEVARD, KENNEWICK, WASHINGTON 99336-7166

February 6th, 2020

Sean Mayo
Director, Pipeline Safety
Utilities & Transportation Commission
PO Box 47250
Olympia, WA 98504-7250

Received
Records Management
02/06/20 15:11
State Of WASH.
UTIL. AND TRANSP.
COMMISSION

Subject: WAC 480-93-020 Badger Road-Pressure Line Proximity Request

Dear Mr. Mayo:

Pursuant to the requirements of WAC 480-93-020 Proximity Considerations, Cascade Natural Gas Corporation (CNGC) requests to install a pipeline within 100 feet of existing buildings or those that are under construction.

Proposed Scope of Work:

The proposed pipeline would be a new 1.6-mile lateral starting from an existing 500 MAOP pipeline to reach an area of growth that has very little to no future reinforcement options, thus the reasoning to run high-pressure pipeline for the current and future growth considerations. The complete route of this line is depicted on the attached aerial maps located in Appendix A. This Proximity Request is for approval to operate the Badger Road pipeline and pending regulator station at a 500 psig MAOP.

The new regulator station and associated pipeline necessary for its installation will be designed with a minimum component rating of 720 psig and will be pressure tested to a minimum of 750 psig for the requested 500 MAOP.

At the proposed MAOP of 500 psig, the stress level of the regulator station, pipe, and pipeline fittings will be a maximum of 11.38% of the specified minimum yield strength. Thus, the Badger Road pipeline section will be classified as high-pressure distribution main, not Transmission. Ten percent (10%) NDT will be performed on all newly installed pipe.

Specifications of the 6” 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.

Proximity:

The Badger Road high-pressure pipeline will be within 100 feet of 9 structures as shown in Appendix B.

Alternate routes were considered which had higher difficulty for installation and getting approval from City, private land owners and other utilities. These routes would also increase the number of structures within the 100-foot proximity limit.

Closing:

CNGC respectfully requests your approval to move forward with the installation and operation of the proposed pipeline and regulator station at 500 psig. Construction is scheduled to begin in April 2020 or upon immediately approval of this request. If you have any questions or require additional information, feel free to contact me at (509) 734-4535 or via email at David.Gutschmidt@mdu.com

Sincerely,

CASCADE NATURAL GAS



David Gutschmidt
Manager of Compliance Ops. Programs

CC: Pat Darras
Mike Schoepp
Craig Chapin

Enclosures

Appendix A
- Route Overview

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

Appendix A

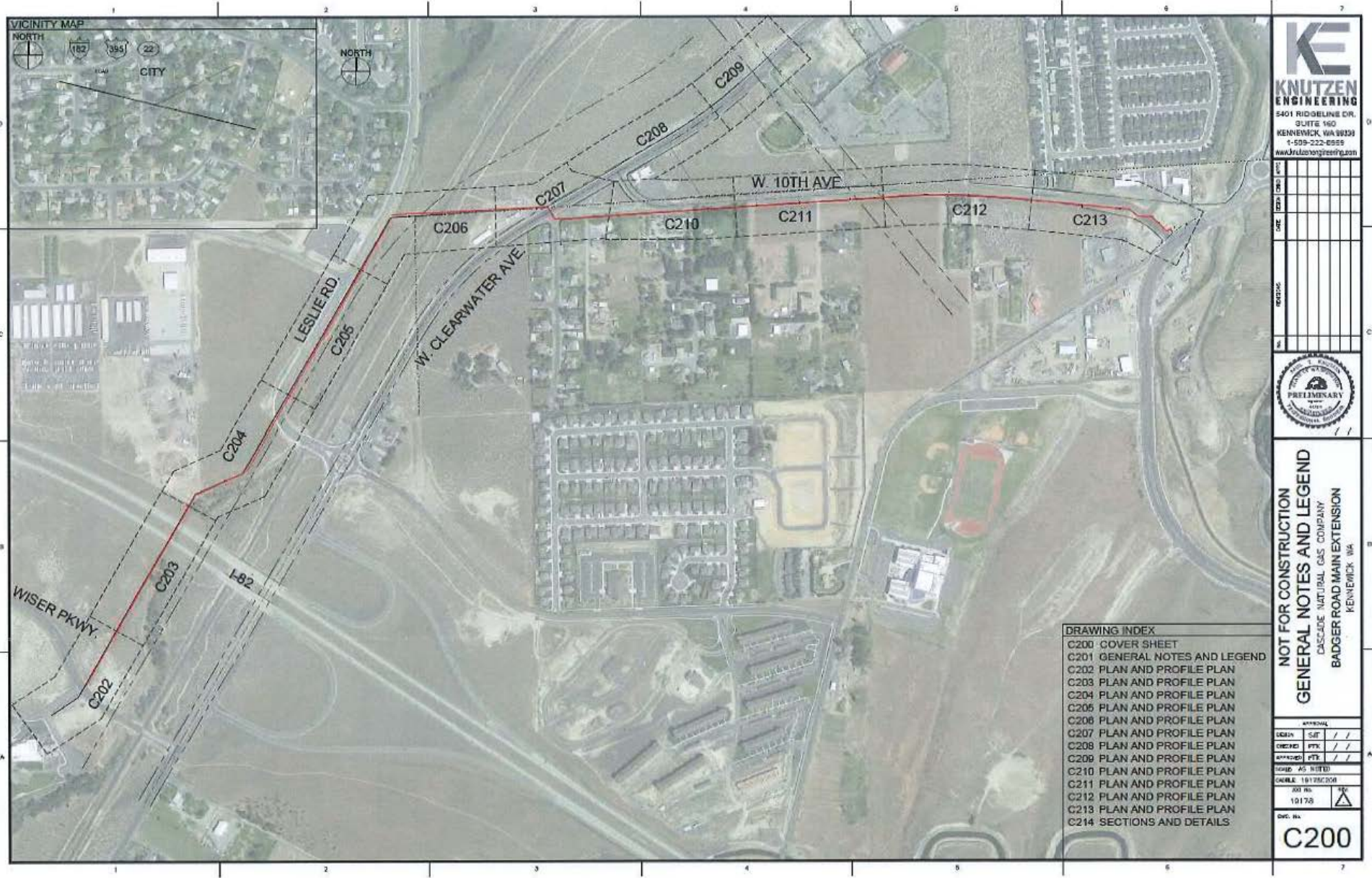


Figure 1: Route overview of the proposed pipeline.

KNUTZEN ENGINEERING
 5401 RIDGELINE DR.
 SUITE 160
 KENNEWICK, WA 98333
 1-509-222-0555
www.knutzenengineering.com

REV	DATE	BY	CHKD	APPV	DESC

NOT FOR CONSTRUCTION
GENERAL NOTES AND LEGEND
 CASCADE NATURAL GAS COMPANY
 BADGER ROAD MAIN EXTENSION
 KENNEWICK, WA

DESIGN	SUT	/ /
CHECKED	PTK	/ /
APPROVED	PTK	/ /

SCALE: AS SHOWN

DATE: 10/26/2008

JOB NO. 10178

ENC. No.

C200

Appendix B

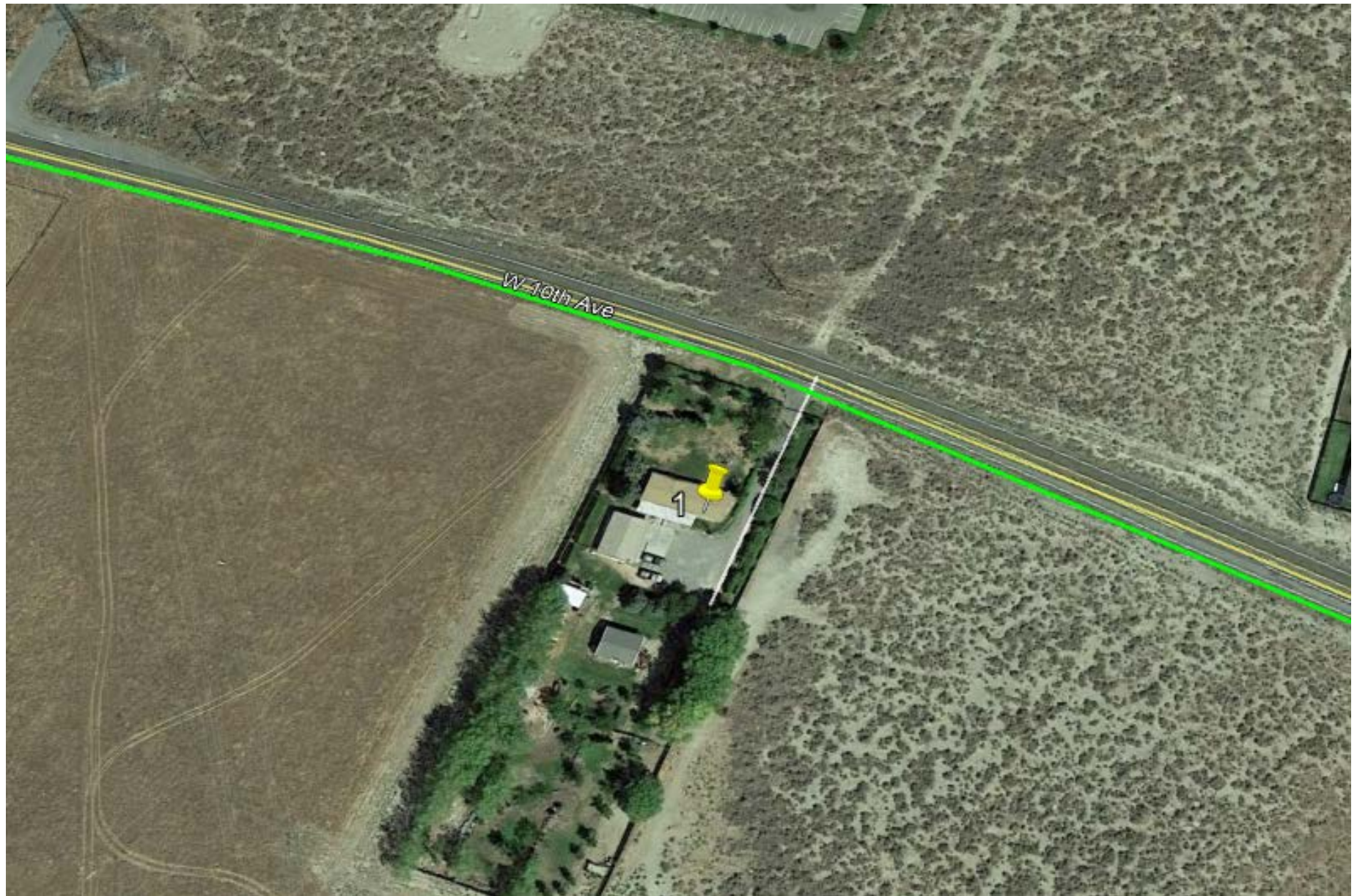


Figure 2: Building 1 that is within 100-feet of the proposed pipeline.



Figure 3: Buildings 2-9 that are within 100-feet of the proposed pipeline.