



Pipeline Placement and Safety: How They Affect Property Development

National Association of Counties Annual Conference
July 18, 2011
Portland, Oregon



WHAT: Develop a TRANSMISSION
PIPELINE RISK REDUCTION
OVERLAY DISTRICT

WHEN: June 1 – November 30, 2009

WHY: Public Safety and Awareness



WHO/ WHERE: Brookings County, SD

Population: 31,965 persons, 74,000 cattle

Pipeline Operators

Northern Natural Gas Company (NNGC)

Basin Electric Power Cooperative (BEPC)



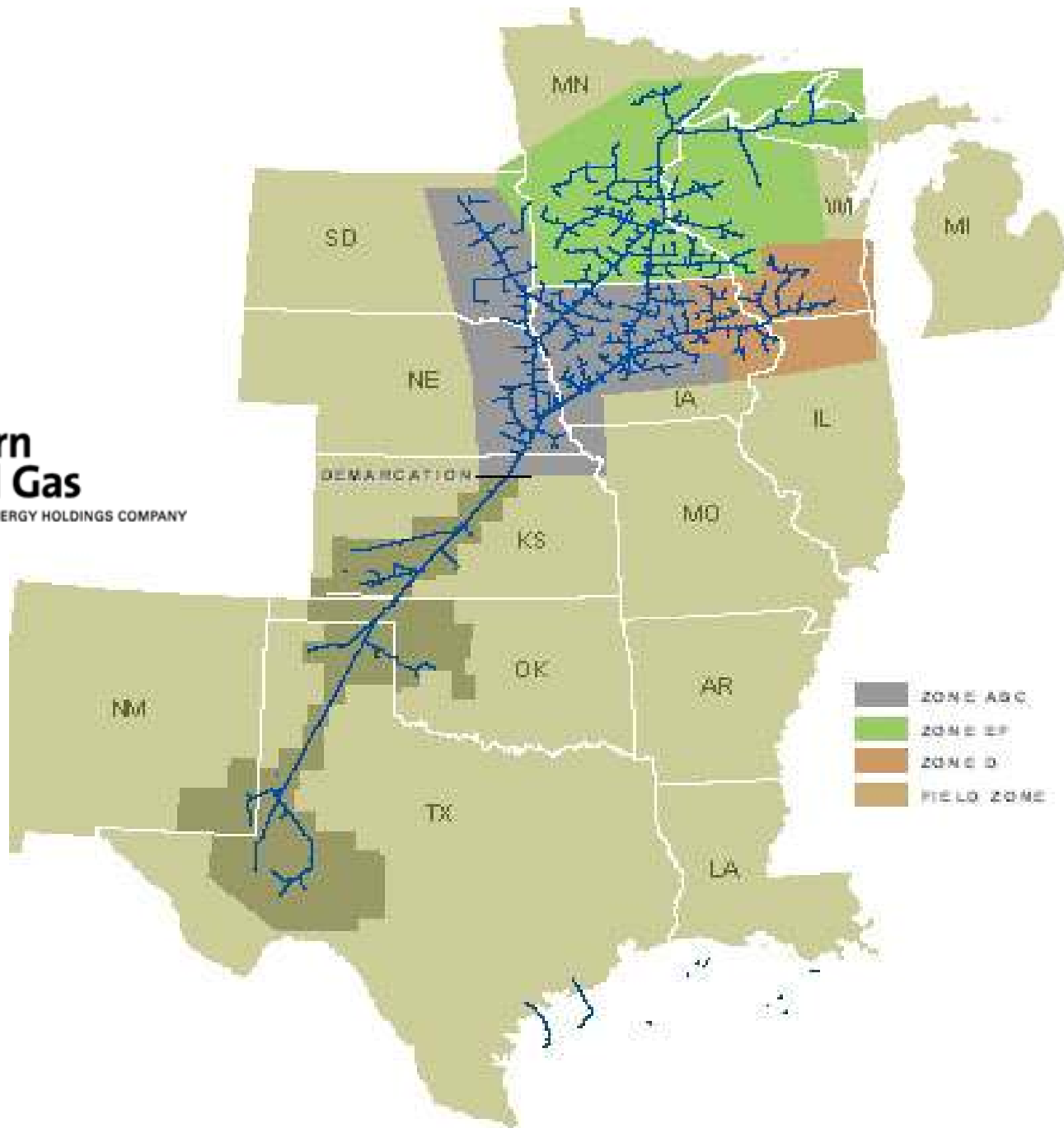
How:

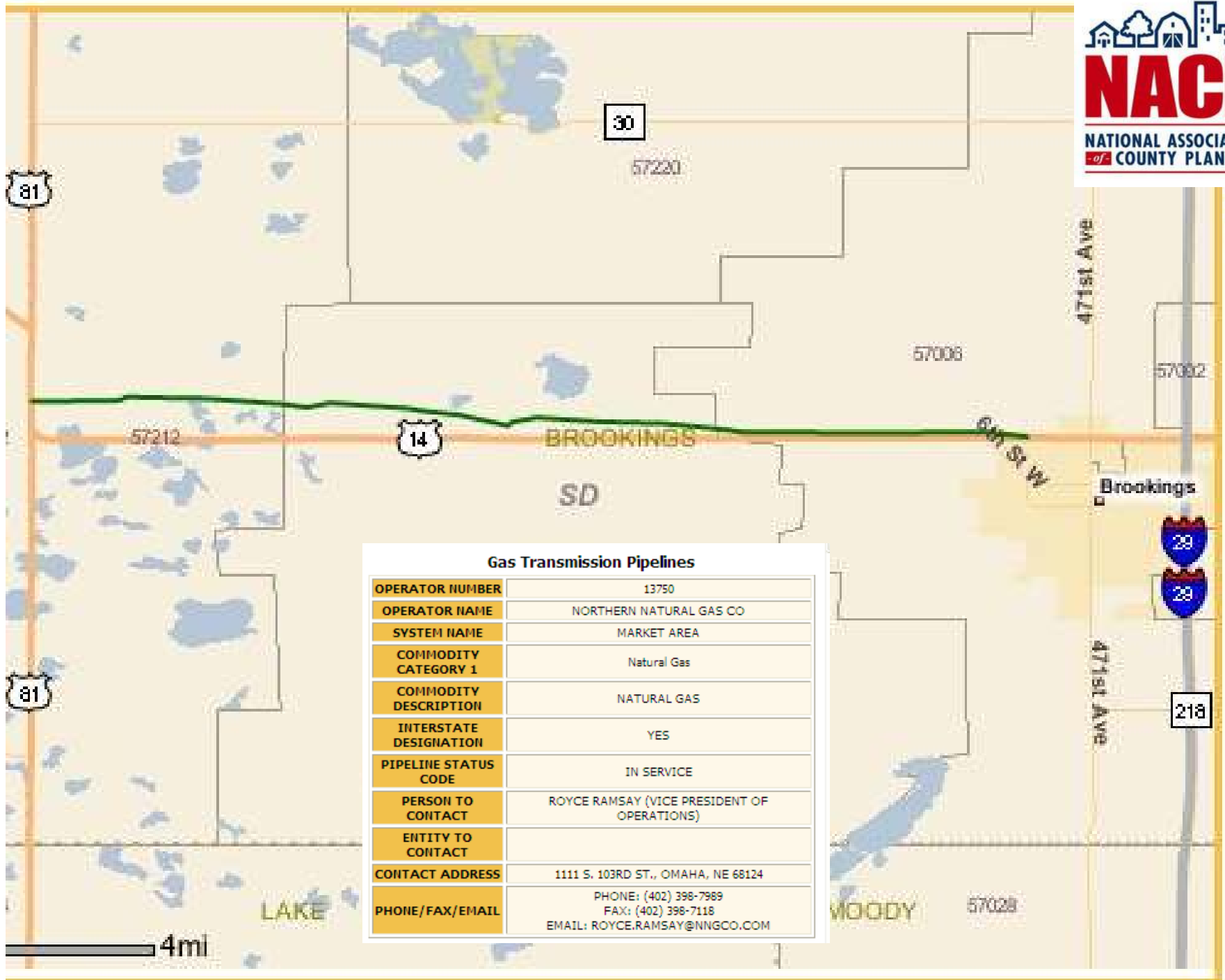
Through open communications with local operators, local communities and other interested parties



Key Players

| | |
|---|---|
| Brookings County Commission | Brookings City/County Planning Commission |
| City of Volga | Fire Department Brookings and Volga |
| Dakota, Minnesota and Eastern Railroad (CP) | 148 landowners |
| Basin Electric Power Coop | Northern Natural Gas Company |

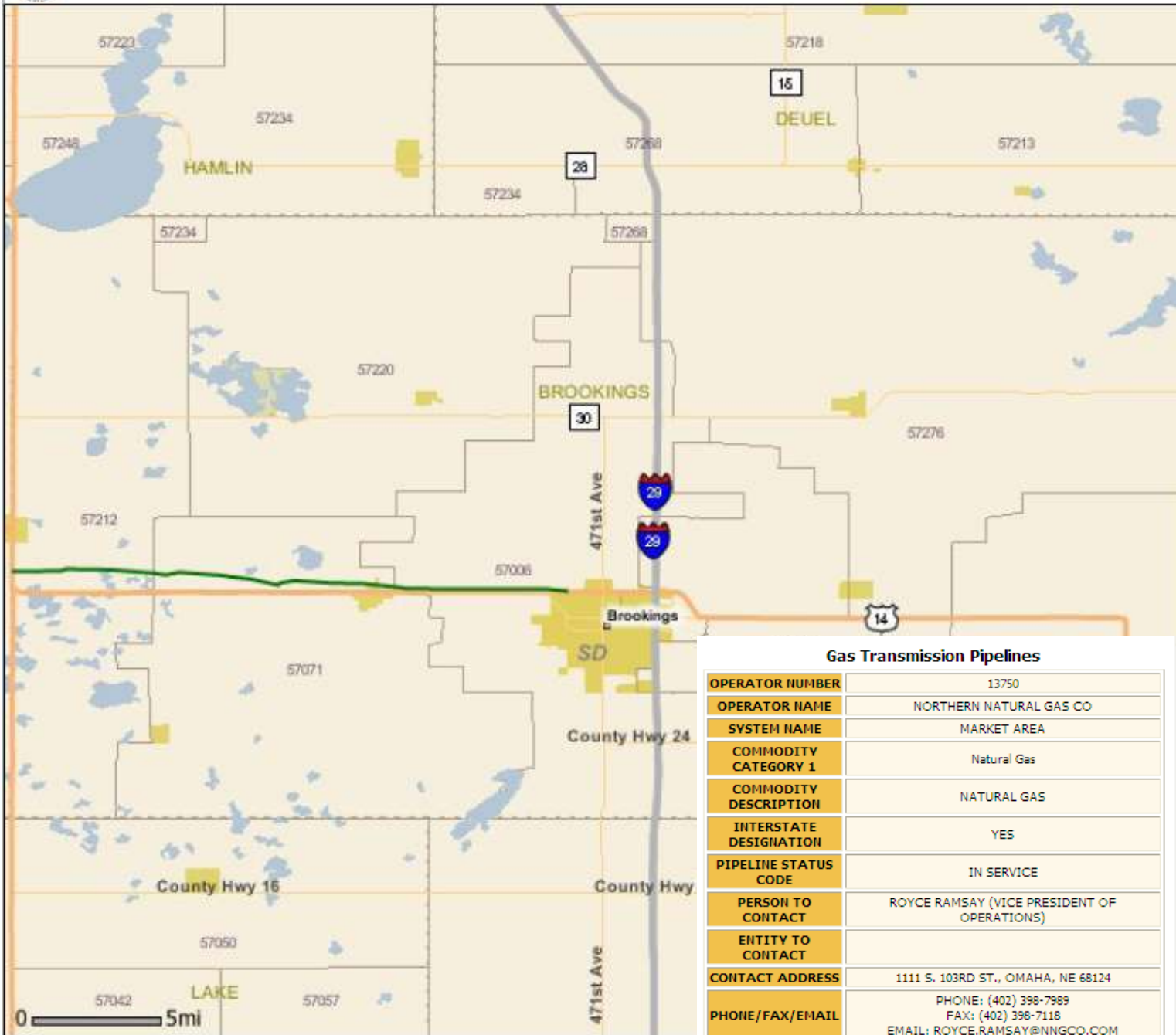




Gas Transmission Pipelines

| | |
|-------------------------------|---|
| OPERATOR NUMBER | 13750 |
| OPERATOR NAME | NORTHERN NATURAL GAS CO |
| SYSTEM NAME | MARKET AREA |
| COMMODITY CATEGORY 1 | Natural Gas |
| COMMODITY DESCRIPTION | NATURAL GAS |
| INTERSTATE DESIGNATION | YES |
| PIPELINE STATUS CODE | IN SERVICE |
| PERSON TO CONTACT | ROYCE RAMSAY (VICE PRESIDENT OF OPERATIONS) |
| ENTITY TO CONTACT | |
| CONTACT ADDRESS | 1111 S. 103RD ST., OMAHA, NE 68124 |
| PHONE/FAX/EMAIL | PHONE: (402) 398-7989 FAX: (402) 398-7118 EMAIL: ROYCE.RAMSAY@NNGCO.COM |

NATIONAL PIPELINE MAPPING SYSTEM



Layer List

NPMS Data

Gas Transmission

High Consequence Areas

- High Population Areas
- Other Populated Areas



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Pipelines depicted on this map represent gas and hazardous liquid transmission pipelines only. Gathering and distribution systems are not represented.

This map should never be used as a substitute for contacting a one-call center prior to excavation activities. Please call 811 before any digging occurs.

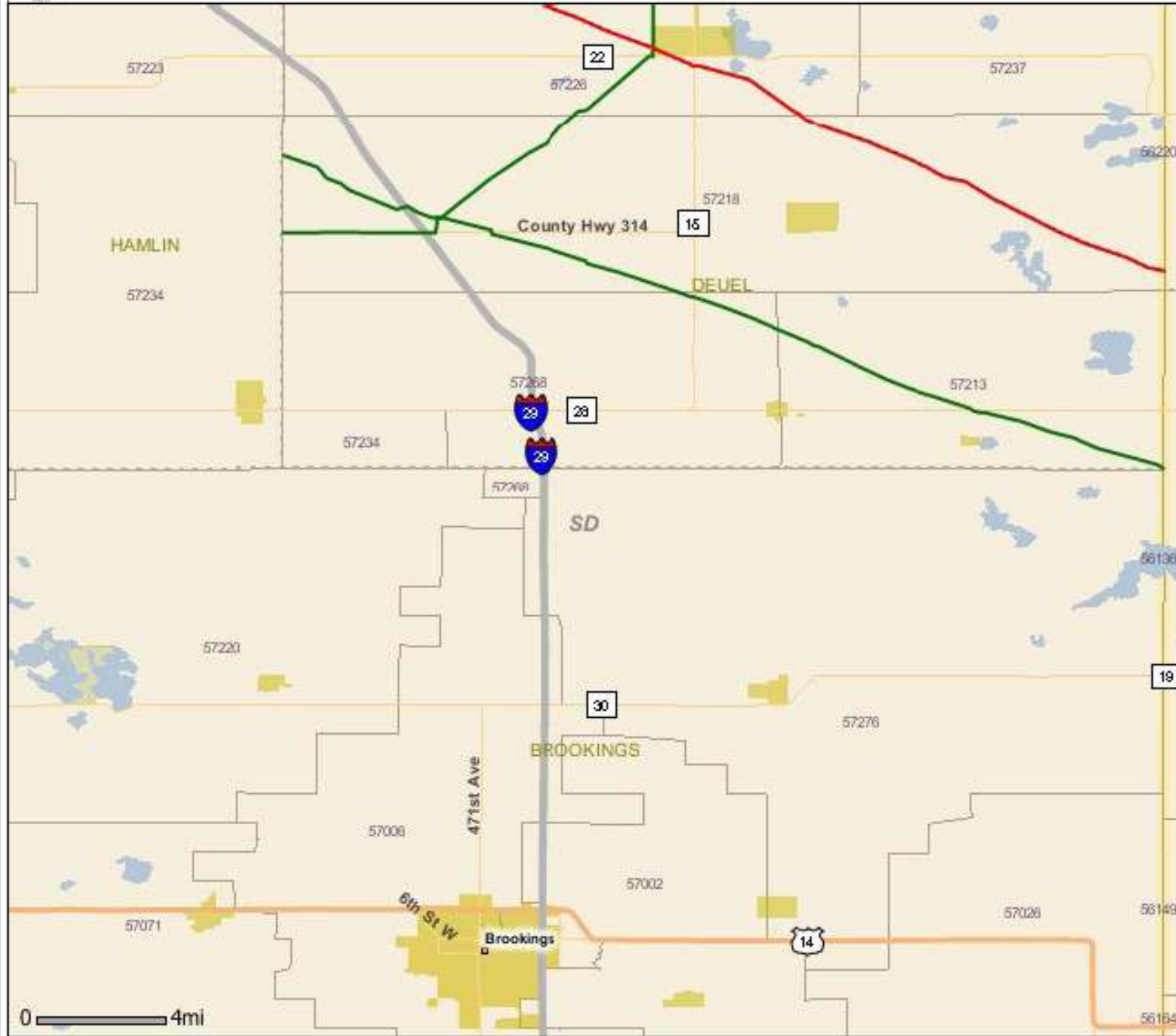
Questions regarding this map or its contents can be directed to nps-m@ntbakercorp.com.

Projection: Geographic
Datum: NAD83

U.S. Department of Transportation
Pipeline and Hazardous Materials Safety Administration
National Pipeline Mapping System



NATIONAL PIPELINE MAPPING SYSTEM



Layer List

NPMS Data

- Gas Transmission
- Hazardous Liquid

High Consequence Areas

- High Population Areas
- Other Populated Areas



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BL04

Adopt Transmission Pipeline Consultation Zone Ordinance

Ordinance – An authoritative public rule, law or regulation, such as a zoning ordinance, issued by a local community government. A zoning ordinance is a device of land use planning used by local governments to designate permitted uses of land based on mapped zones which separate one set of land uses from another. Zoning may be use-based (regulating the uses to which land may be put), or it may regulate building height, lot coverage, and similar characteristics, or some combination of these.



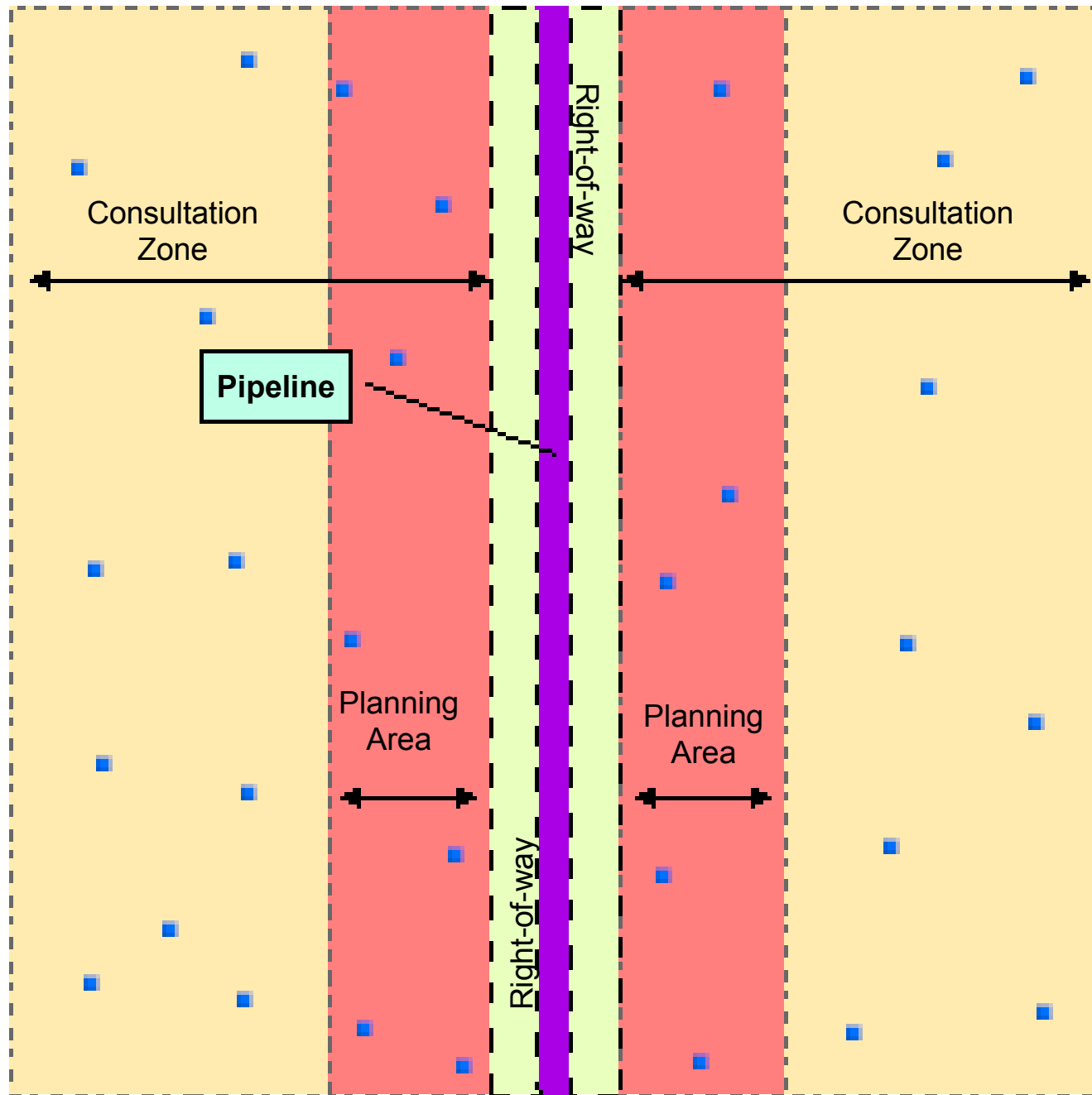
BL04

Adopt Transmission Pipeline Consultation Zone Ordinance

- Whatcom County, Washington, Proposed Pipeline Safety and Development Changes, Docket #ZON2007-00014 (2008)
Ord. [2010-033](#) adopted 7/27/2010
- Washington Model Pipeline Ordinances, Municipal Research & Services Center, Seattle
- “Land use planning for pipelines: A guideline for local authorities, developers and pipeline operators” Canadian Standards Association (CSA) 2004
- Transmission Pipeline Risk Reduction Overlay District, Brookings County, SD Ord. [2009-001](#) adopted 11/17/2009

BL05: Consultation Zone

An area extending from each side of a transmission pipeline, the distance of which should be defined by local governments, to describe when a property developer/owner, who is planning new property development in the vicinity of an existing transmission pipeline, should initiate a dialogue with a transmission pipeline operator.



BL05: Consultation Zone

- Promote potential safety impacts
- Raise awareness of potential development



BL05: Consultation Zone

- Recommended consultation zone distance from 660 to 1,000 feet be considered.

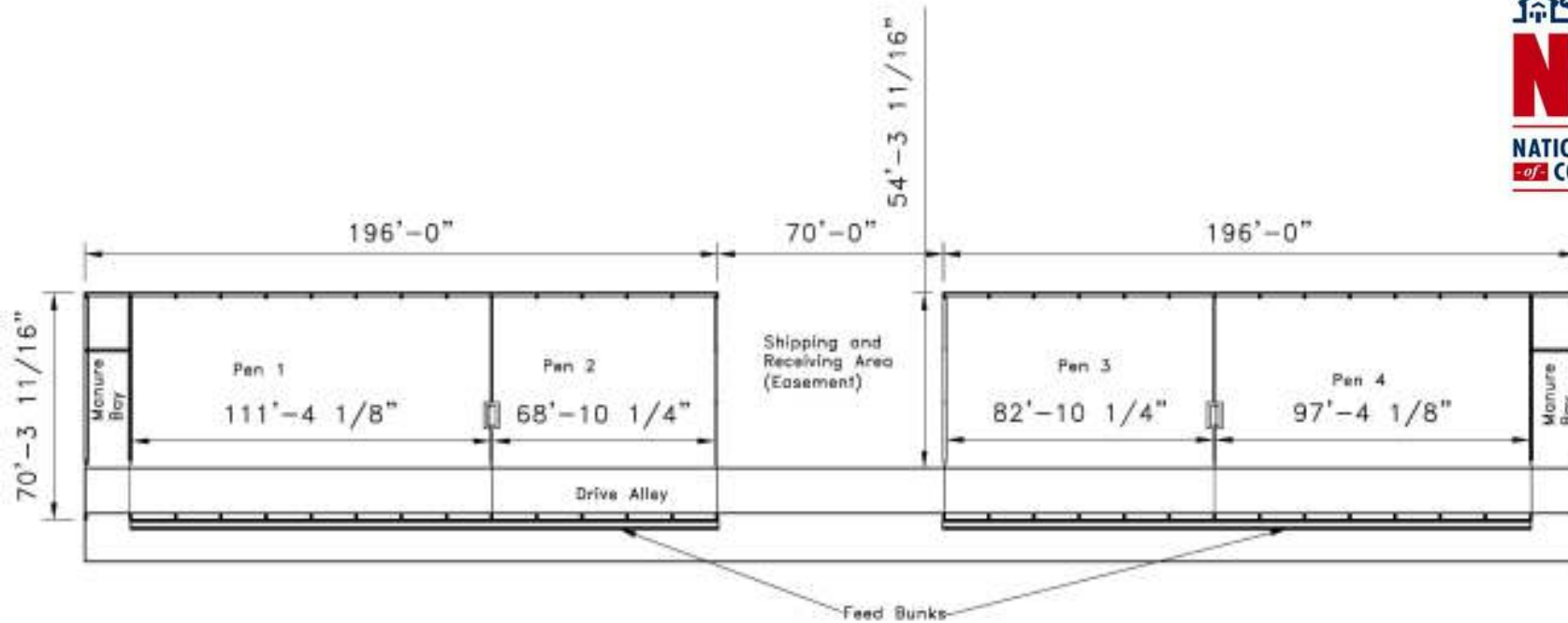


BL05: Consultation Zone

- Operator can be helpful and should be consulted in assisting local governments to better understand the pipeline characteristics when they develop site-specific consultation zone distances



Landowner's initial plan



PLAN LAYOUT

Landowner's final plan
after consulting with
Pipeline Operator

** DO NOT SCALE
** DO NOT CONSTRUCT FROM THIS DRAWING
** PRELIMINARY DRAWINGS ONLY

Thank You

Robert W. Hill
Brookings County
Planning, Zoning and Drainage Department
Brookings, South Dakota
www.brookingscountysd.gov