

April 7, 2022

Steve Kahl
Executive Director
North Dakota Public Service Commission
600 East Boulevard; Department 408
Bismarck, ND 58505-0480

RE: Dakota Gasification Company
Dakota Carbon Pipeline - Mercer County
Case No. PU-21-150

Dear Mr. Kahl:

In accordance with North Dakota Century Code 49-22.1-15(3) and item 39 of the Certification Relating to Order Provisions in the above-referenced case, enclosed please find a notarized certification indicating Dakota Gasification Company's (**DGC's**) route adjustment outside the designated corridor will not affect any known exclusion or avoidance areas as defined in in North Dakota Administrative Code 69-06-08-02 (1) and (2). Coteau Properties Inc., the owner of the parcel encompassing the reroute, does not oppose the route adjustment. Mercer County Planning and Zoning also indicated concurrence with the adjustment.

As depicted on the attached figure, DGC intends to make minor adjustments to the pipeline route outside of the permitted 200' wide corridor. These minor adjustments are to avoid an existing topsoil stockpile and to enhance the overall constructability of the pipeline. The route adjustment is on land previously disturbed by surface mining, and studies by biological and cultural resource consultants (attached) confirm there are no areas of environmental concern.

Certificate of Corridor Compatibility Number 223 and Route Permit Number 233 were issued by the North Dakota Public Service Commission for the Dakota Carbon Pipeline on July 28, 2021. DGC will comply with all applicable conditions and protections in siting laws and rules and commission orders previously issued.

I will serve as the key contact person for the purposes of notice and communications during the adjustment application. If you have any questions or require additional information, please contact me at 701.557.5495.

Sincerely,

A handwritten signature in blue ink, appearing to read "K. Solie".

Kevin L. Solie, P.E.
Senior Environmental Compliance Administrator

Enclosures

69 PU-21-150 Filed 04/07/2022 Pages: 10
Certification regarding exclusion and avoidance areas with supporting documentation
Basin Electric Power Cooperative
Kevin Solie, P.E.

CERTIFICATION OF APPLICANT PURSUANT TO N.D. CENTURY CODE 49-22.1-15 (3)

Case No. PU-21-150

DAKOTA GASIFICATION COMPANY

I, Kevin L. Solie, Senior Environmental Compliance Administrator, a duly authorized agent of Dakota Gasification Company that has authority to bind the company in these matters, do hereby certify under oath:

1. That the North Dakota Public Service Commission issued *Certificate of Corridor Compatibility Number 223* and *Route Permit Number 233* for the Dakota Carbon Pipeline on July 28, 2021.
2. That the route adjustments are on land previously disturbed by surface mining, and that studies by biological and cultural resource consultants confirm there are no areas of environmental concern.
3. That the route adjustments depicted in the attached figure are located outside the designated corridor for a total of 557 feet in length, and the route adjustments will not affect any known exclusion or avoidance area as defined under N.D. Administrative Code 69-06-08-02 (1) and (2).
4. That Coteau Properties, Inc., the owner of the parcel encompassing the route adjustment, does not oppose the adjustment.
5. That Dakota Gasification Company will comply with all applicable conditions and protections in applicable North Dakota siting laws and rules and commission orders previously issued for any part of the facility.

Dated at Bismarck, North Dakota this day of 7th day of April, 2022.

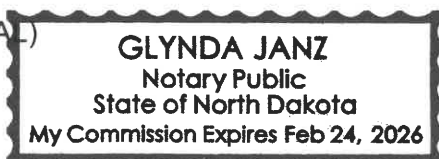


Kevin L. Solie, P.E.
Senior Environmental Compliance Administrator

STATE OF NORTH DAKOTA))SS.
COUNTY OF BURLEIGH)

This instrument was acknowledged before me this 7th day of April, 2022 by **Kevin L. Solie**, the Senior Environmental Compliance Administrator on behalf of Dakota Gasification Company.

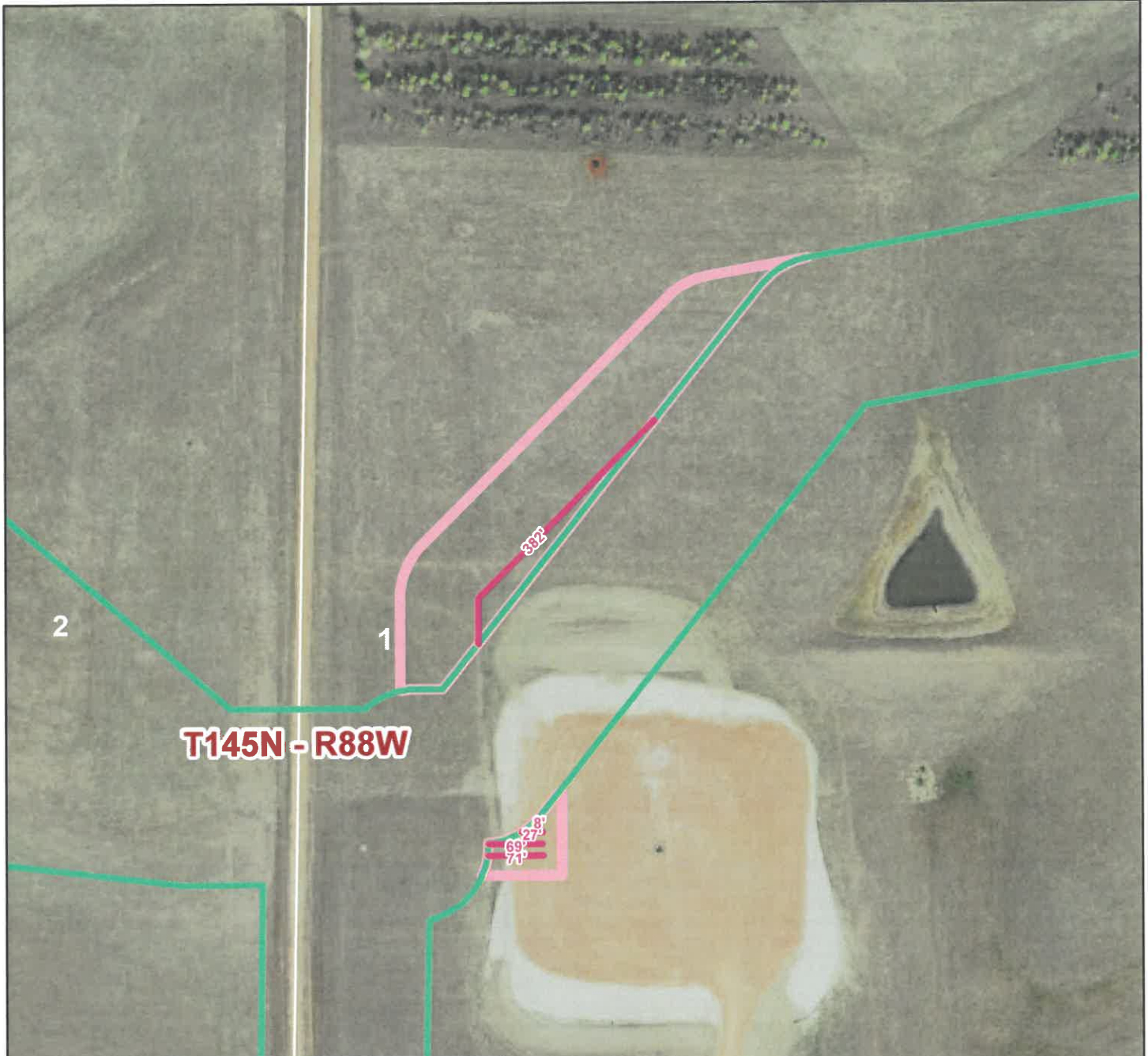
(SEAL)



Notary Public



Dakota Carbon Pipeline Project Additional Corridor Needed



T145N - R88W

332'
28'
27'
69'
71'

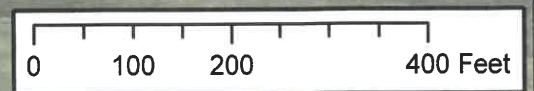
Map Features

- Pipeline Outside of Original PSC Corridor
- Avoidance Areas (None Found)
- Exclusion Areas (None Found)
- Original 200ft PSC Corridor
- Additional Corridor Needed
- Townships
- Sections



Date: 3/31/2022

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ENVIRONMENTAL & STATISTICAL CONSULTANTS

4007 State Street, Suite 109, Bismarck, ND 58503
Phone: 701-250-1756 ♦ www.west-inc.com ♦ Fax: 701-250-1761

April 4, 2022

Kevin Solie
Basin Electric Power Cooperative
1717 East Interstate Ave
Bismarck, North Dakota 58503

RE: Review of Right-of-Way Shifts in the DGC Great Plains Synfuels CO2 Pipeline

Dear Mr. Solie,

Western EcoSystems Technology, Inc. conducted wetland and wildlife surveys in support of permitting efforts for the Dakota Gasification Company (DGC) Great Plains Synfuels planned pipeline to carry CO₂ to injection wells. These surveys were conducted within a field survey corridor that extended 100 feet either side of the proposed pipeline centerline (200 foot total width). Given that the survey corridor was not staked or physically marked in the field, data collection and review extends to a minimum of this 200 foot width and generally beyond to ensure adequate data are collected at a minimum. The results of these surveys were included in our April 2021 report.

Recently, there have been identified a few very minor shifts in the construction area, for a total of 1.79 acres, that will fall outside of the surveyed corridor (Figure 1). These minor shifts outside of the 200 foot survey corridor occur on previously mined and now reclaimed lands (i.e., not native grasslands), are not adjacent to other mapped features such as wetlands, are within the same physio-geographic area so any general species and impacts are analogous as those described in the April 2021 report, and are readily within the area that field crews would have visual surveyed previously. Given the above, no impacts are anticipated beyond those previously described in the April 2021 report.

Please let me know if you need any further information regarding this effort.

Sincerely,

Clayton Derby
Senior Manager

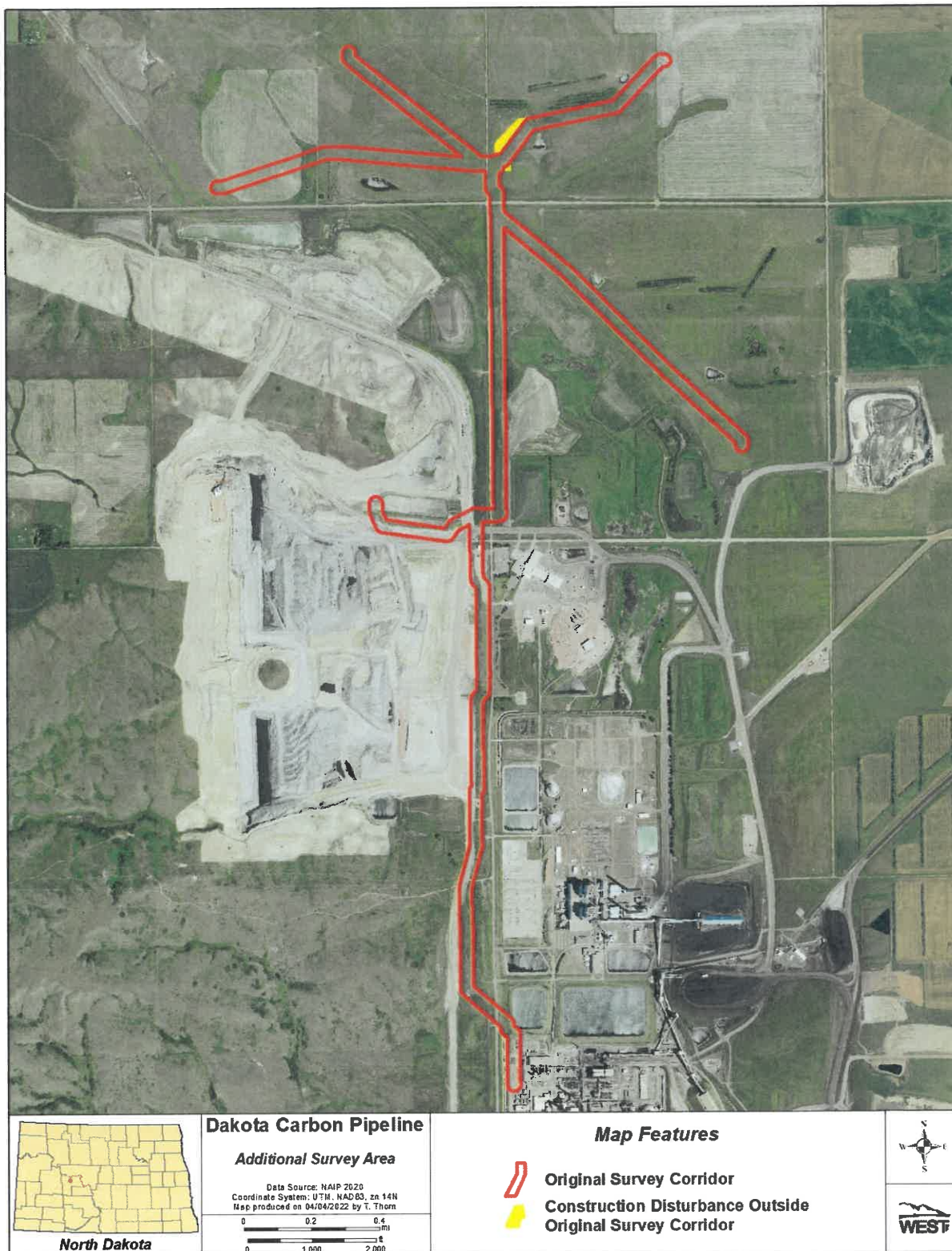


Figure 1. Map of DGC Great Plains Synfuels CO2 Pipeline where construction disturbance extends outside of the original 200-foot survey corridor.



Metcalfe

ARCHAEOLOGICAL CONSULTANTS

INTRODUCTION

Dakota Gasification Company (DGC), a wholly owned subsidiary of Basin Electric Power Cooperative (BEPC), intends to construct a carbon dioxide (CO₂) pipeline in Mercer County, North Dakota. Metcalfe completed a Class I and a Class III cultural resources report in April (Meens 2021). In November 2021, a slight adjustment was made to the project footprint. This letter report discusses this adjustment.

THE UNDERTAKING

DGC intends to construct a CO₂ pipeline facility from DGC's Great Plains Synfuels Plant to six CO₂ geologic sequestration well locations in central Mercer County, North Dakota. The facility consists of a main line measuring approximately 2.9 miles in length, which originates at DGC and terminates at one of the six sequestration well locations. The mainline will be constructed of 12" diameter steel pipe. The facility also includes five lateral pipelines which will be constructed of 6" diameter steel pipe totaling approximately 3.9 miles in length. Each lateral line serves as a dedicated CO₂ supply line to each of the five remaining well locations. Each line originates at the mainline with four of the laterals extending radially from the end of the mainline. The facility also includes ancillary components such as above ground stations, instrumentation, cathodic protection, and communication systems. A yet-to-be formed subsidiary of DGC would own the pipeline; DGC would be responsible for pipeline operation and maintenance. The purpose of the Dakota Carbon Pipeline (Project) is to deliver CO₂ to a third-party who would be responsible for geologic sequestration. The third-party would also be responsible for other permits and approvals, including compliance with the North Dakota State Industrial Commission regulations relating to injection and geologic storage of CO₂.

The pipeline will be buried at a minimum depth of four feet within a 50-foot right-of-way (defined as the Area of Potential Effects, or APE). The Project will include ancillary facilities such as pig launching and receiving stations, cathodic protection and communication systems, buildings, fencing and miscellaneous minor structures. Construction of the proposed pipeline will commence in late summer or early fall of 2021 and would be in service during the first or second quarter of 2022.

The overall project area is located in Sections 1, 2, 11, 12, 14, 23, and 24 of Township 145 North, Range 88 West in Mercer County, North Dakota (Map 1). The November 2021 adjustment is in the southwest quarter of Section 11, T145N, R88W.

NOVEMBER PROJECT LOCATION

BISMARCK, NORTH DAKOTA
EAGLE, COLORADO

LAKEWOOD, COLORADO (HQ)
SALT LAKE CITY, UTAH

BOZEMAN, MONTANA
GRAND JUNCTION, COLORADO

wearemetcalf.com

Dakota Gasification Company CO₂ Injection Pipeline

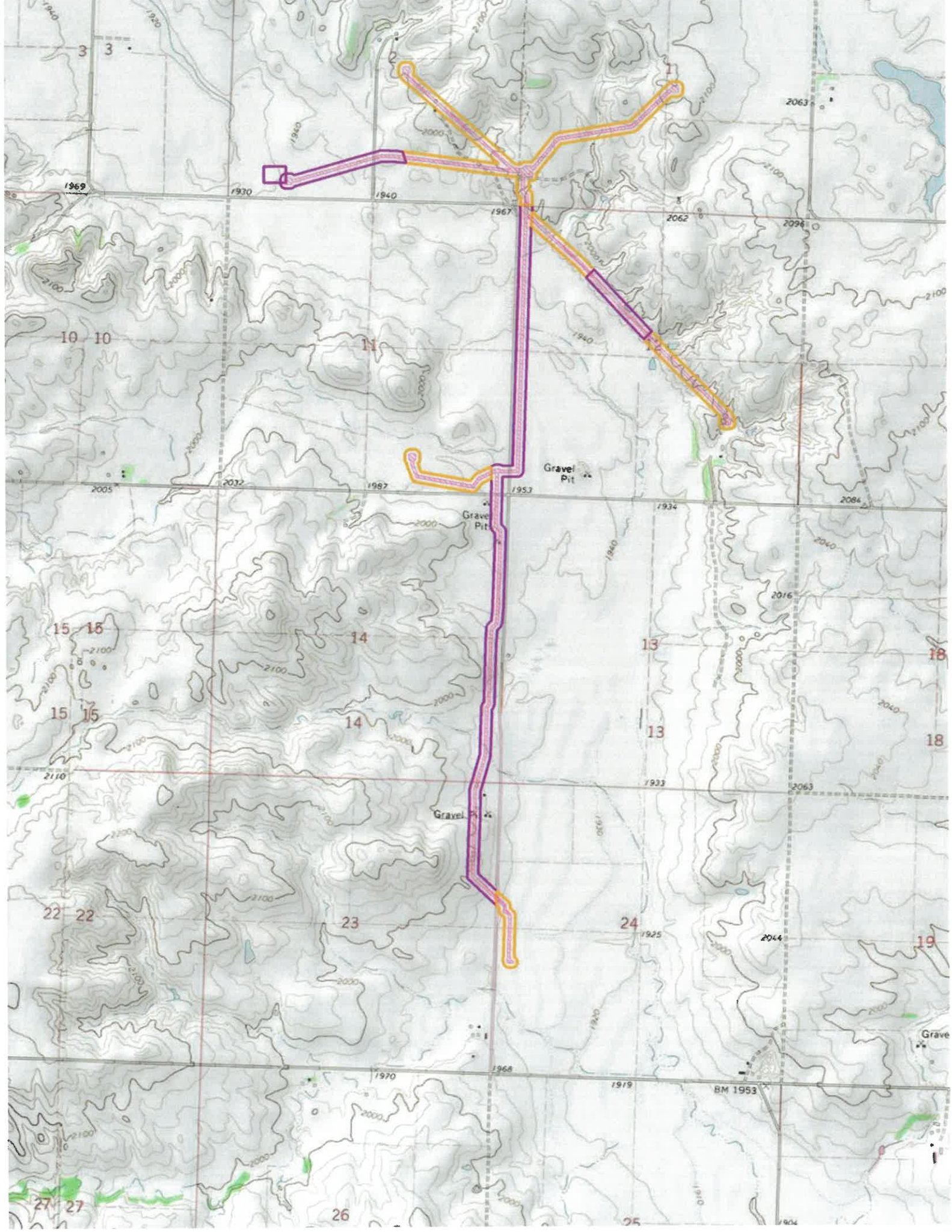
November 2021 Project Adjustment

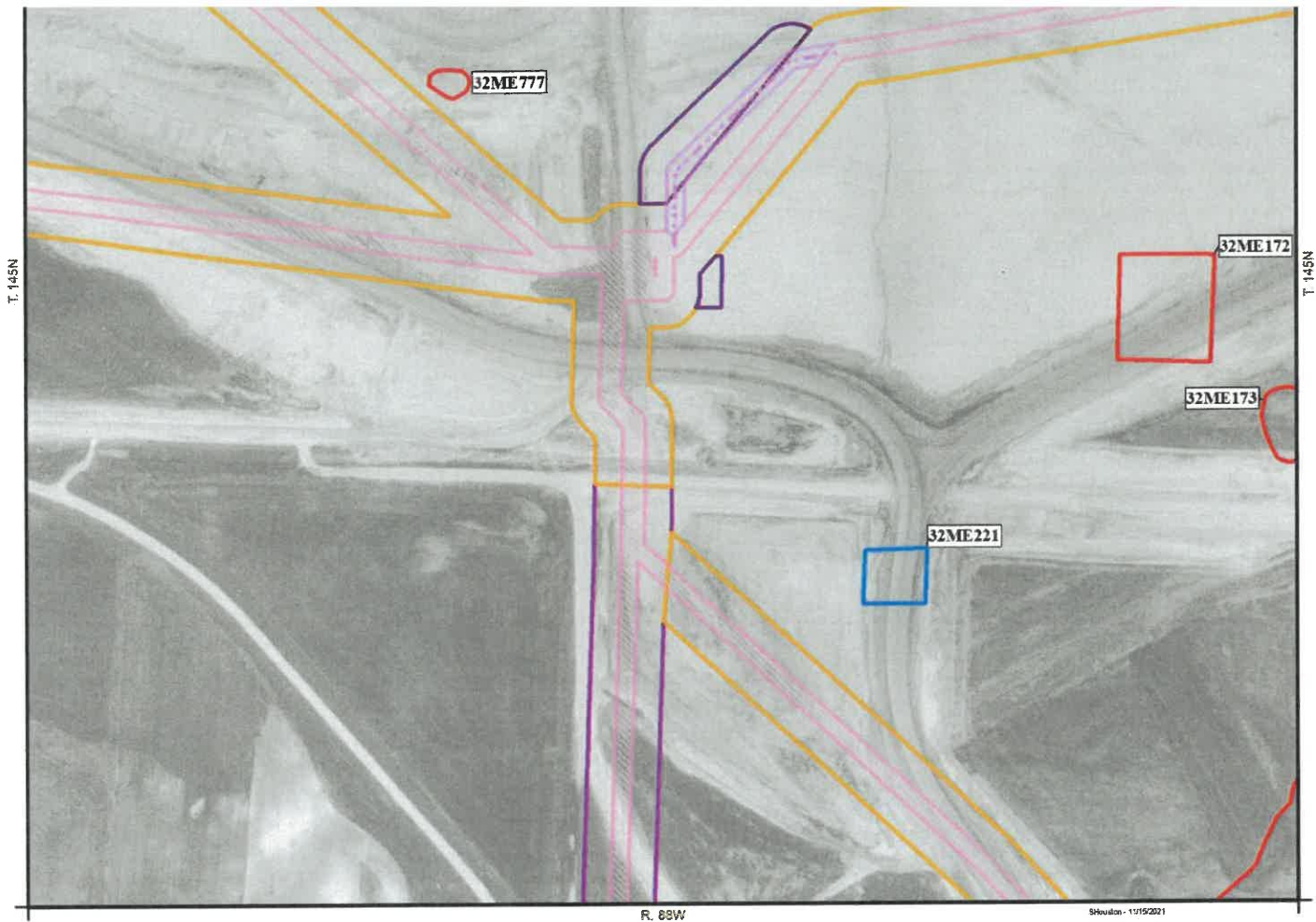
Based on the results of the Class I report, the area for the November adjustment was previously mined and reclaimed, destroying all potential for cultural resources (Map 2). This adjustment will not impact any cultural resources and no further work is required.

References

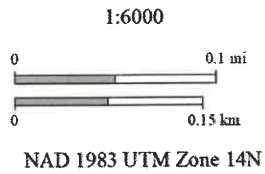
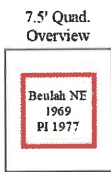
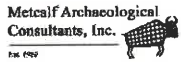
Meens, D.

2021 *Dakota Gasification Company: A Class III Cultural Resource Inventory for a CO₂ Injection Pipeline in Mercer County, North Dakota.* Metcalf Archaeological Consultants, Inc, Bismarck North Dakota.





BEPC
DGC Injection Wells
Mercer County, ND



- Postcontact Site
- Precontact Site
- Project Centerline
- Class III
- Class II
- Reroute APE
- Reroute Corridor
- APE

! Detail of November 2021 reroute, projected on historic aerial image showing mining.