



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Great Plains Regional Office
115 Fourth Avenue S.E., Suite 400
Aberdeen, South Dakota 57401



IN REPLY REFER TO:
DESCRM
MC-208

OCT 06 2011

MEMORANDUM

TO: Superintendent, Fort Berthold Agency
FROM: ^{Acting} Regional Director, Great Plains Region
SUBJECT: Supplemental to Environmental Assessment

A Categorical Exclusion has been completed in compliance with the regulations of the National Environmental Policy Act (NEPA) of 1969, as amended. The proposed Supplemental Categorical Exclusion documents NEPA compliance for Rural Telephone Cooperative to install new telecommunications fiber optic cable and associated improvements within existing road right-of-way. No new surface disturbances will be associated with the proposed action.

All the necessary requirements of the National Environmental Policy Act have been completed. Attached for your files is a copy of the Categorical Exclusion.

If you have any questions, please call Marilyn Bercier, Regional Environmental Scientist, Division of Environment, Safety and Cultural Resources Management, at (605) 226-7656.

Attachment

cc: Tex Hall, Chairman, Three Affiliated Tribes (with attachment)
Elgin Crows Breast, THPO (with attachment)
Derek Enderud, BLM, Dickinson, ND (with attachment)
Grady Wolf, KLJ (with attachment)
John Shelman, US Army Corps of Engineers
Jeffrey Hunt, Fort Berthold Agency



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Great Plains Regional Office
115 Fourth Avenue S.E.
Aberdeen, South Dakota 57401



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EXCEPTION CHECKLIST FOR BIA CATEGORICAL EXCLUSIONS

Date: 10/4/2011

Project: ARRA Broadband Initiative Project, North Dakota 1105-40

Nature of Proposed Action: The proposed project includes burying fiber optic cable to a depth of 48 inches using a tractor-crawler and friction-type plow and/or directional drilling equipment. Drop lines to residences or oil-well sites will be buried to a depth of 18-24 inches. All asphalt roadways and wetlands will be bored under using directional drilling equipment. Above-ground appurtenances will consist of mandatory wooden poles and warning signs along with metal pedestals for access to the buried facilities. In addition, handholes would be installed flush with the ground to allow splicing of the fiber line. This CAT-EX is only valid to provide clearance to those areas where fiber optic lines will be placed within the current road ROW.

Exclusion category and number: 516 DM 10.5L(1)

Evaluation of Exceptions to use of Categorical Exclusion:

1. This action would have significant adverse effects on public health or safety. No X Yes _____
2. This action would have an adverse effect on unique geographical features, such as wetlands, wild or scenic rivers, refuges, floodplains, rivers placed on nationwide river inventory, or prime or unique farmlands. No X Yes _____
3. The action will have highly controversial environmental effects. No X Yes _____
4. The action will have highly uncertain environmental effects or involve unique or unknown environmental risks. No X Yes _____
5. This action will establish a precedent for future actions. No X Yes _____
6. This action is related to other actions with individually insignificant, but cumulatively significant environmental effects. No X Yes _____
7. This action will affect properties listed or eligible for listing in the National Register

- of Historic Places. No X Yes _____
8. This action will affect a species listed, or proposed to be listed as endangered or threatened. No X Yes _____
9. This action threatens to violate federal, state, local or tribal law or requirements imposed for protection of the environment. No X Yes _____
10. This action will have a disproportionately high and adverse effect on low income or minority populations. No X Yes _____
11. This action will limit access to, and ceremonial use of Indian sacred sites on federal lands by Indian religious practitioners, or significantly adversely affect the physical integrity of such sacred sites. No X Yes _____
12. This action will contribute to the introduction, continued existence, or spread of noxious weeds or non-native invasive species known to occur in the area, or may promote the introduction, growth, or expansion of the range of such species. No X Yes _____

A "yes" to any of the above exceptions will require that an EA be prepared.

NEPA Action - - - CE X EA _____

Preparer's Name and Title: Kayla Torgerson, Environmental Scientist, KL&J, Bismarck, ND

Regional Archeologist Concurrence with Item 7 Cassandra B. Mandel
Concur: Key R. Davis Date: 10/5/2011
Regional Office Agency Environmental Coordinator

Concur: John Doe Date: 10/6/11
Regional Director/ Superintendent
Adm

CATEGORICAL EXCLUSION

Supplementary Information

United States Bureau of Indian Affairs

Great Plains Regional Office
Aberdeen, South Dakota



Reservation Telephone Cooperative

Supplementary Information for:

Reservation Telephone Cooperative CAT-EX for installing new telecommunications fiber optic cable and associated improvements

Dunn, McKenzie, McLean and Mountrail Counties, North Dakota

Fort Berthold Indian Reservation

October 2011

For information contact:

Bureau of Indian Affairs, Great Plains Regional Office
Division of Environment, Safety and Cultural Resources
115 4th Avenue SE
Aberdeen, South Dakota 57401
605-226-7656

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1 PURPOSE AND NEED FOR THE PROPOSED ACTION

Reservation Telephone Cooperative (RTC) proposes to install new telecommunication fiber optic cables on the Fort Berthold Reservation. The cable is located in Dunn, McKenzie, McLean and Mountrail Counties, North Dakota. The purpose of the cable would be to provide better telecommunications service to RTC customers and to update their systems. The need for the project is that the existing copper telecommunications cable is outdated and starting to fail. In addition, the proposed project would provide telecommunication capability to oil and gas facilities in the area to support current and future development.

Activities such as the action proposed in this document are conducted under authority of the Department of the Interior Department Manual, 516 DM 10.5 L. (1).

2 LEGAL LAND DESCRIPTION OF PROPOSED ACTION

The proposed route of the fiber optic cable is located within road rights-of-way (ROW) in portions of Dunn, McKenzie, McLean, and Mountrail Counties on the Fort Berthold Reservation. In addition, portions of the proposed line will be installed on previously undisturbed land. This CAT-EX is only valid to provide clearance to those areas where fiber optic lines will be placed in within the current road ROW. A separate NEPA document will be completed once final routes are chosen and field studies are completed for routes outside the current road ROW. Please refer to the project location maps, located in *Appendix A: Project Location Maps*.

3 SCOPE OF WORK FOR PROPOSED ACTION

The proposed project includes burying fiber optic cable to a depth of 48 inches using a tractor-crawler and friction-type plow and/or directional drilling equipment. Drop lines to residences or oil-well sites would be buried to a depth of 18-24 inches. All asphalt roadways along with all wetlands would be bored under. Above-ground appurtenances would consist of wooden poles, metal pedestals and warning signage required for access and to identify the buried facilities. In addition, handholes would be installed flush with ground surface for splicing of the fiber line.

The proposed project is primarily the installation of approximately 977 miles of new telecommunications fiber optic cable along existing ROW of local, county and state roadways. On hookups to oil and gas facilities, Joint Use Agreements would be obtained from each ROW holder prior to installation of the line. Installation of fiber lines to fee properties would require that an easement and permission to survey be acquired from the fee owner. In addition, a BIA Occupancy

Permit would be obtained for installation of fiber line in the BIA road ROW. The entire project will provide telecommunication fiber optic to areas in Billings, Dunn, McKenzie, Golden Valley, Mountrail, and McLean Counties, North Dakota; and Richland and Wibaux Counties, Montana. A large portion of the undertaking is located within the Fort Berthold Reservation in Dunn, McKenzie, McLean, and Mountrail Counties.

The fiber optic cable would be placed underground via plowing or boring of the cable. Electronics would be placed on the side of subscribers house/building and minor cabling would be required inside the building to facilitate the service. No alterations would be required within buildings to facilitate service. Access and transport equipment would be installed in existing RTC buildings with no building alterations needed.

Cable would be directly buried using a tractor-crawler and friction-type plow blade, creating soil disturbances approximately 48 inches deep and 6 inches wide. Construction would predominantly occur in the bottom of the road ditch where the soil has previously been disturbed. The impacted construction corridor would be approximately 25 to 50 feet in width, although construction may be altered periodically by obstacles or for the placement of above-ground appurtenances. Restoration of the construction area would consist primarily of compacting the cable plow slot. In addition, straw or mulching would be spread and the area reseeded where boring takes place or where rocks are encountered and a backhoe/trenching is required to install the line. If a backhoe or trencher is used in areas of rock/sandstone, disturbance would be kept to a minimum by switching back to installation of the line with a plow as soon as practicable. Soil disturbance due to the placement of the buried facilities would be minimal and should not impact production capabilities of any acreage.

Every effort would be made to avoid impacts at water crossings and wetlands. A wetland delineation would be completed prior to installation of the line and all wetlands and stream crossings would be bored under.

Above-ground appurtenances would consist of wooden poles, metal pedestals and signage which are required for access and to identify the buried facilities. The appurtenances are usually located on ROW lines for easy access and to avoid property obstructions. The appurtenances are normally installed using a trenching method. Poles would be approximately 8 feet tall by 8 inches in diameter. Approximately 5 feet of the pole would stand above the finished grade. Metal pedestals would generally have an outside dimension of 24 inches by 44 inches by 4 inches. A larger size metal pedestal is occasionally required with the maximum size of the larger pedestals being 36 inches by 24 inches by 12 inches. Circular handholes would be 27 inches in diameter by 3 feet and would be installed flush with ground surface.

4 APPlicable NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) DOCUMENTS

The Environmental Questionnaire required by the Rural Utilities Service/National Telecommunication and Information Administration for the proposed project has previously been approved on May 23, 2011.

5 ASSESSMENT OF ENVIRONMENTAL IMPACTS

The following discussion addresses environmental and social impacts as a result of the fiber optic cable installation.

A. Cultural Resources

KL&J consulted with the State Historic Preservation Offices (SHPO) of North Dakota and Montana regarding this project. Further, we have consulted with the Fort Berthold Reservation Tribal Historic Preservation Officer (THPO). Letters and maps of the proposed cable routes were sent to each entity.

The area of potential effect (APE) for the proposed undertaking is limited to the construction footprint, as the cable would be placed underground. All of the unevaluated, recommended eligible, or National Register of Historic Places listed properties within the APE of the proposed undertaking would be avoided. In general, railroads would be avoided in one of two ways, either through directional boring that begins and ends 50 feet from centerline on either side of the track, or by proceeding through existing structures such as culverts or ducts.

A finding of *No Historic Properties Affected* was recommended to the North Dakota and Montana SHPO offices and the Fort Berthold Tribal Historic Preservation Office for the proposed undertaking as described herein. Concurrence was received from all three entities and can be found in **Appendix B: Cultural Resources Coordination**. Due to the receiving concurrence from the SHPO and THPO on the No Historic Properties Affected determination regarding the project, tribal monitors would not be utilized during construction.

B. Land Use

The proposed fiber optic cable will be installed within the current road ROW therefore also converting the corridor to a utility corridor. It is likely that many of the proposed routes already contain additional utilities. Much of the corridor is left undisturbed throughout the year or is mowed and/or hayed for livestock feed. Disturbed areas will be reseeded with a native grass seed mixture. Following installation of the utilities, the proposed corridor will be re-vegetated to allow for its current use. Impacts to land use will be temporary and no mitigation is being proposed.

C. Vegetation

Impacts to vegetation from the proposed project would be temporary in nature. The proposed construction activities would occur in the bottom of the road ditch; therefore minimal disturbance would occur as a result of construction. The equipment used to place the cable is approximately 12 feet wide. The ground would be disturbed by the tracks of the equipment and plow; however, disturbed areas would be re-graded and reseeded with a native grass seed mixture if necessary immediately following installation of the fiber optic cable. Tree impacts would be avoided by re-routing the line around them and/or directional boring under them. Minimal excavation would be required in areas where other utilities are present so that said utilities can be exposed and protected during construction. Minimal excavation would also be required at the locations of bore pits and access pedestals/handholes. Pedestals and handholes would be placed at the edge of the ROW, preferably adjacent to a fenceline so they are out of the way of equipment which might be used to mow the ditch or farm the adjacent land. Proper authorization and permits would be acquired prior to construction.

6 NEPA ADEQUACY CRITERIA

This document has identified one previously prepared environmental document: the Environmental Questionnaire required by the Rural Utilities Service/National Telecommunication and Information Administration. **Please refer to Appendix C: Environmental Questionnaire.** The Environmental Questionnaire was approved on May 23, 2011, and adequately describes the environmental consequences of the proposed action and which meets the following NEPA Adequacy Criteria:

1. The proposed actions are substantially the same actions and at the sites specifically analyzed in the existing environmental documents.
2. The range of alternatives is reasonable with respect to the current proposed actions in the existing environmental documents, which appropriately considers and analyzes current environmental concerns, interests, and resource values.
3. The existing analysis and conclusions are adequate in the existing environmental documents. The analysis is still valid in light of new studies and/or resource assessment information.
4. The methodology and analytical approach used in the existing environmental documents continues to be appropriate for the proposed actions.
5. The direct and indirect impacts of the proposed actions are unchanged from those identified in the existing environmental documents.
6. The cumulative impacts that would result from implementation of the proposed actions are unchanged from those analyzed in the existing environmental documents.

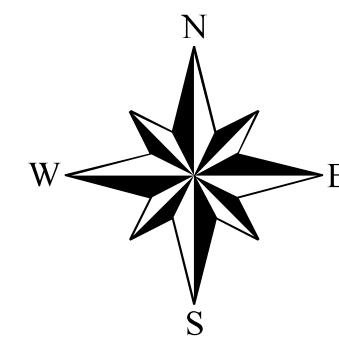
7. A 30-day comment period involving public input and interagency review was used in the development of the existing environmental documents.

Appendix A: Project Location Maps

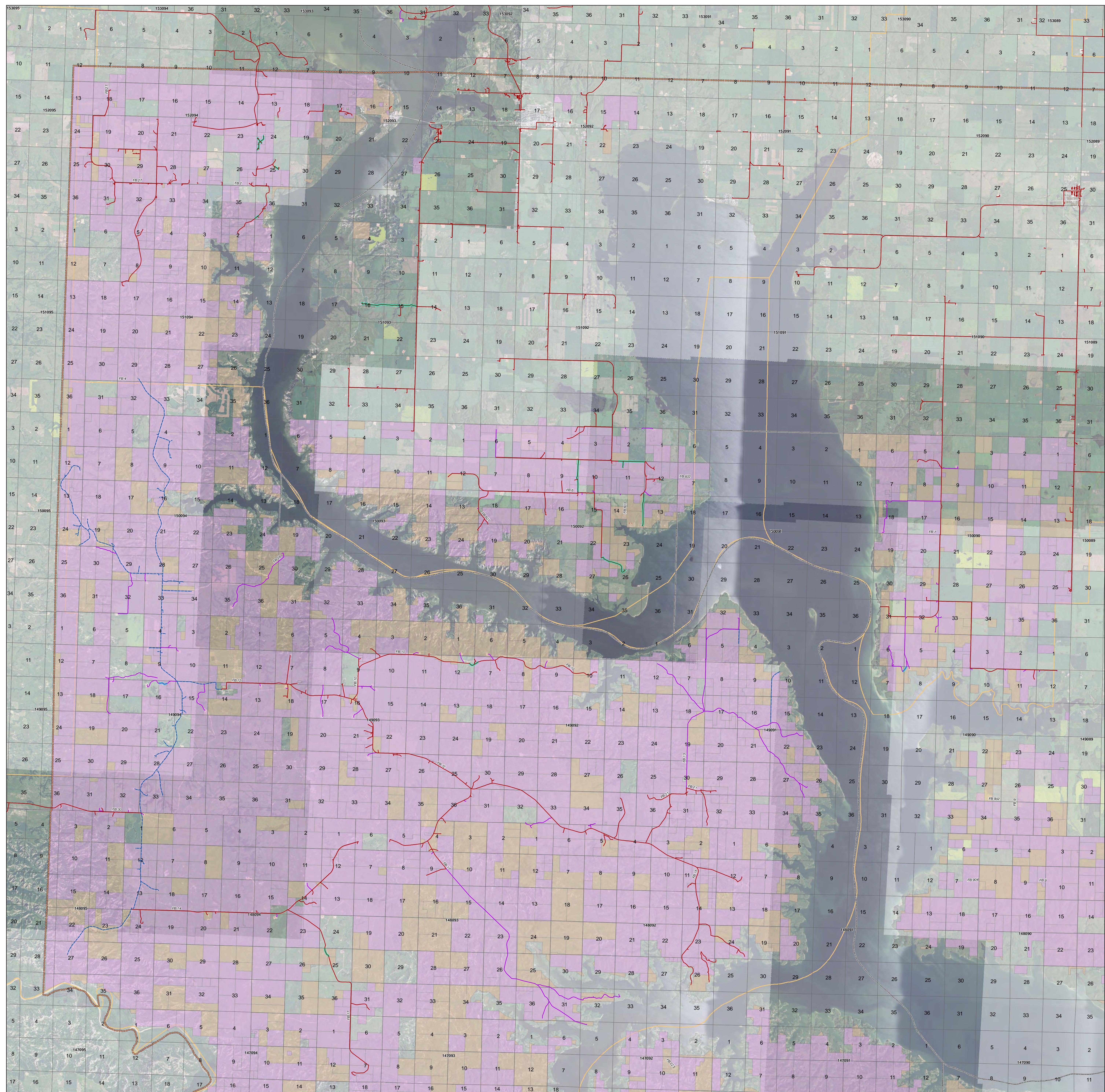
Contents

- Surface Ownership Map
- Mandaree Exchange Map
- New Town Exchange (South) Map
- New Town Exchange (West) Map
- Parshall Exchange Map

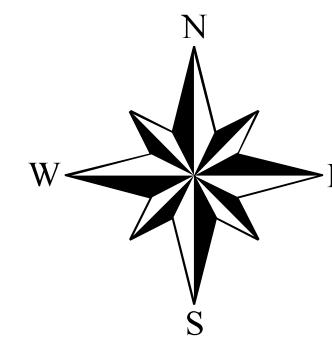
Fiber Routes - Ft. Berthold Reservation Surface Ownership



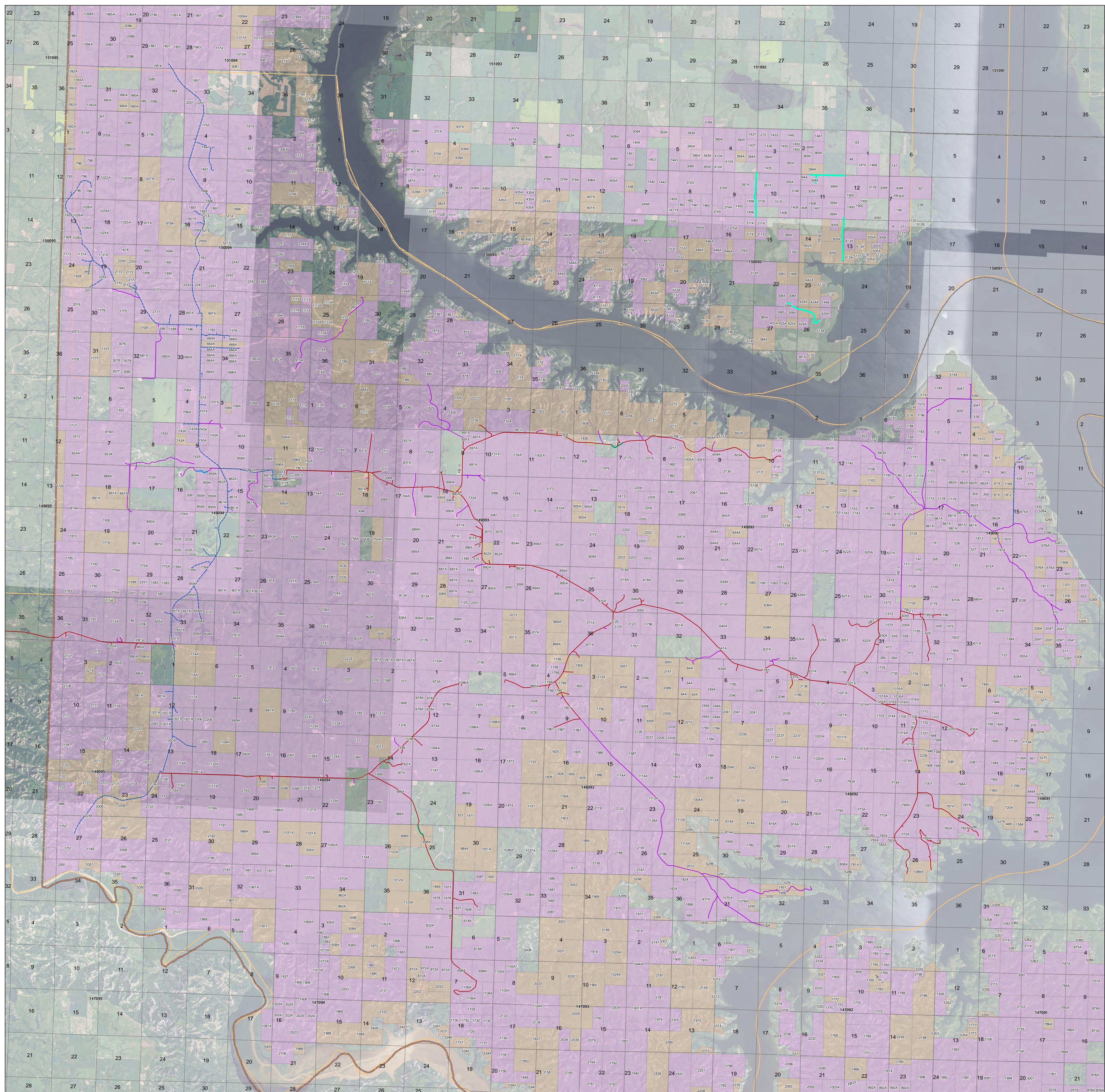
1 inch = 5,600 feet



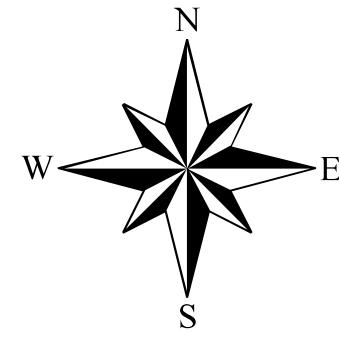
Fiber Routes - Ft. Berthold Reservation Mandaree Exchange



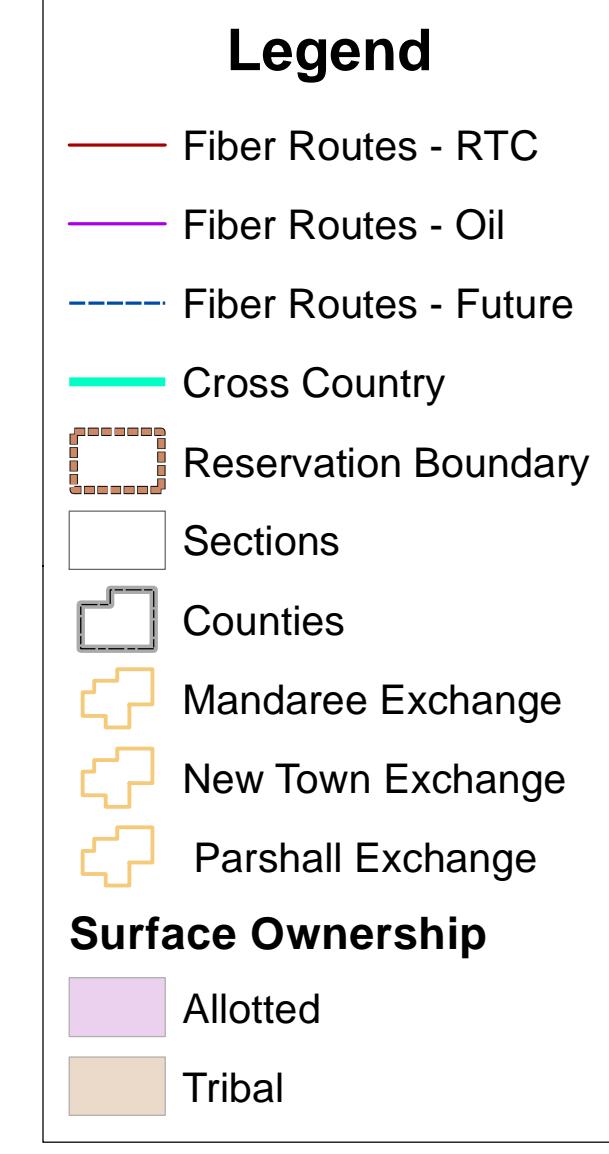
1 inch = 4,200 feet



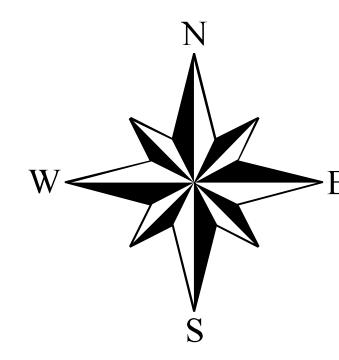
Fiber Routes - Ft. Berthold Reservation New Town Exchange (South)



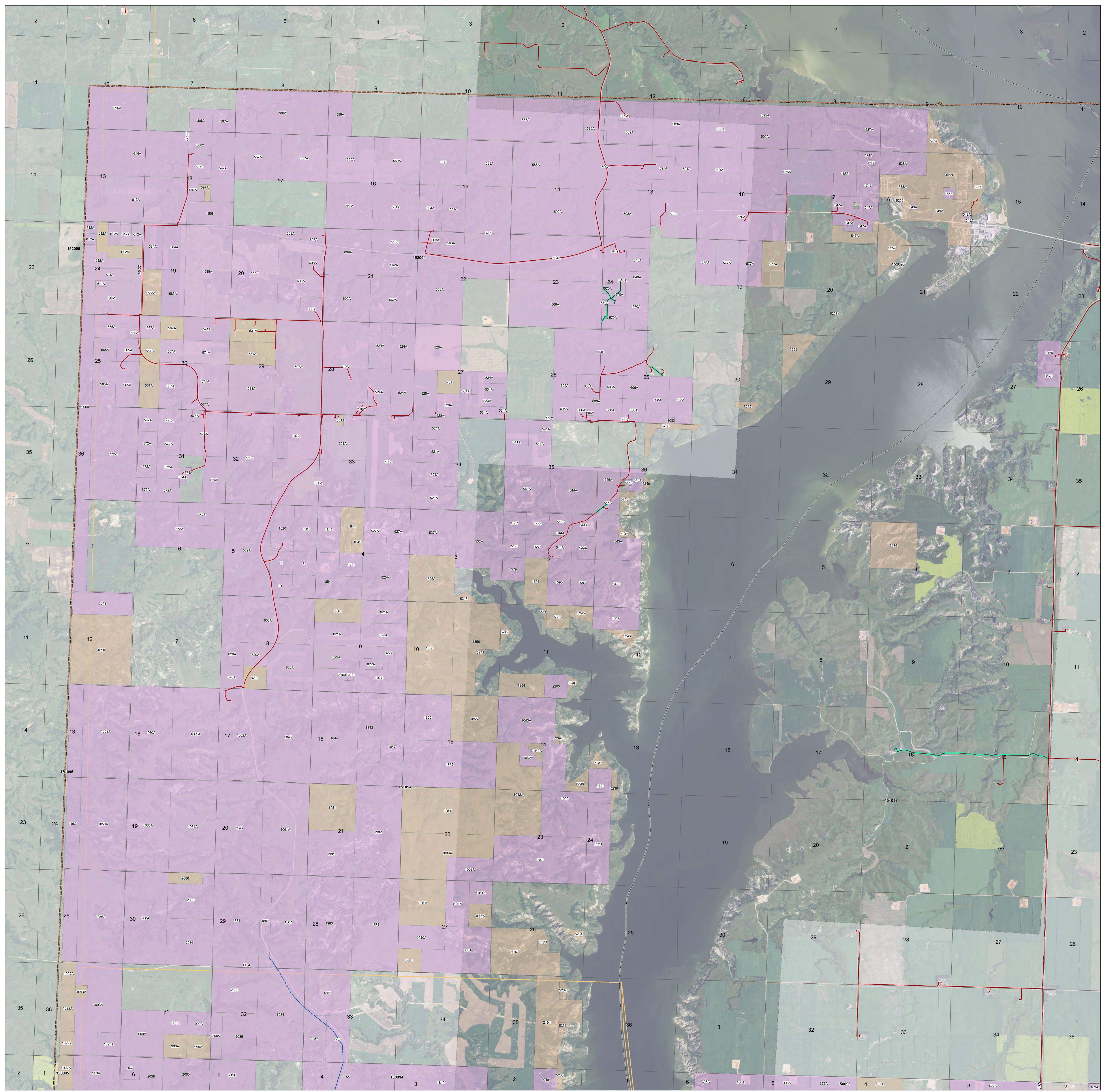
1 inch = 2,500 feet

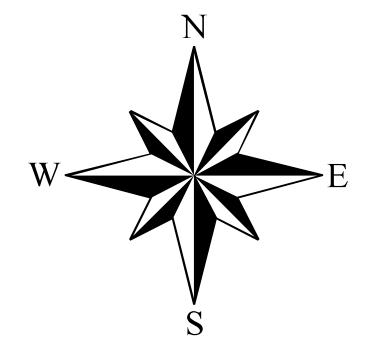


Fiber Routes - Ft. Berthold Reservation New Town Exchange (West)



1 inch = 2,000 feet

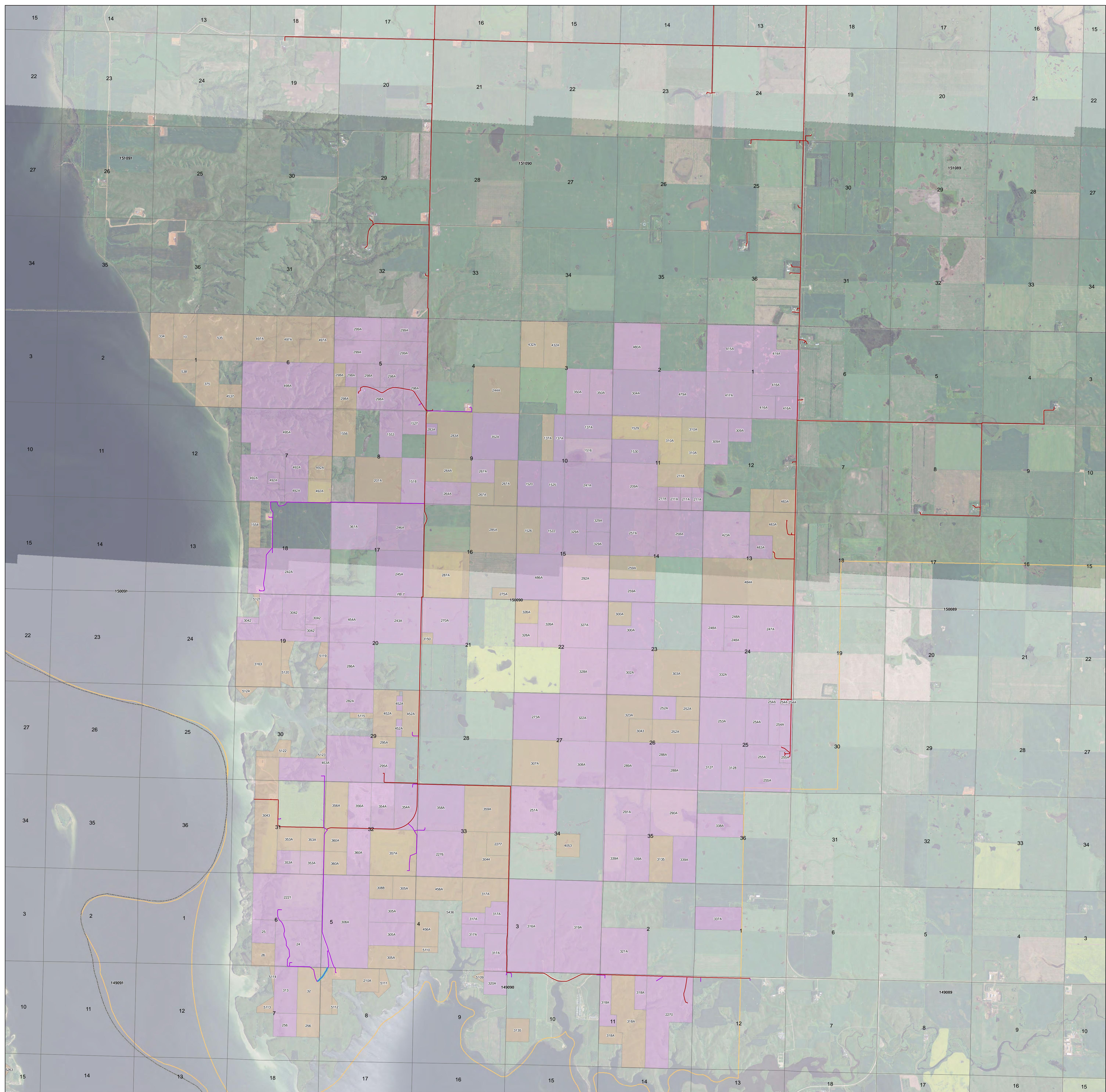




Fiber Routes - Ft. Berthold Reservation Parshall Exchange



1 inch = 2,000 feet



| Legend | |
|-----------------------|--|
| Fiber Routes - RTC | |
| Fiber Routes - Oil | |
| Fiber Routes - Future | |
| Cross Country | |
| Reservation Boundary | |
| Sections | |
| Counties | |
| Mandaree Exchange | |
| New Town Exchange | |
| Parshall Exchange | |
| Surface Ownership | |
| Allotted | |
| Tribal | |

Appendix B: Cultural Resources Coordination

Contents

- Solicitation to THPO
- Response from THPO
- Solicitation to NDSHPO
- Response from NDSHPO
- North Dakota List of Sites
- Response from MTSHPO
- Montana List of Sites

Kadrmas Lee & Jackson

Engineers Surveyors
Planners

December 18, 2009

Mr. Perry "No Tears" Brady
Tribal Historic Preservation Officer
Three Affiliated Tribes
404 Frontage Road
New Town, ND 58763

RE: Review of ARRA Broadband Infrastructure Project

Dear Mr. Brady,

KL&J has been asked to initiate the Section 106 review process on behalf of Reservation Telecom for the ARRA Broadband Infrastructure Project. The proposed project is the installation of approximately 977 miles of new telecommunications cable along existing the right-of-way (ROW) of local, county, and state roadways. The project is located in Billings, McKenzie, Golden Valley, Mountrail, and McLean Counties, North Dakota. A large portion of the undertaking is located within Fort Berthold Reservation in McKenzie, McLean, and Mountrail Counties.

1. The proposed undertaking is under the jurisdiction of the United States Department of Agriculture-Rural Utilities Service (USDA-RUS). They are the lead federal agency for this project. The contact at the USDA-RUS is Mr. Wayne Algren.

Wayne Algren
USDA-RUS
4825 East Roundup Road
Bismarck, North Dakota 58503-8923
(701) 258-7508 office
(800) 485-4410 voicemail
wayne.algren@usda.gov

2. There is no applicable state agency.
3. The consultant for this project is Mr. Lanny Harris:

Mr. Lanny Harris, PE
Kadrmas, Lee, and Jackson, Inc.
3237 East Broadway
Bismarck, North Dakota 58502
(701) 355-8419 office
(701) 400-4019 cell
lanny.harris@kljeng.com

4. The proposed undertaking consists of the construction of additional segments of telecommunications cable totaling approximately 977 miles. It is planned to place the cable within existing road ROW ditches in an effort to avoid impacting known and unknown cultural resources. The cable will be placed in the ground using tractor-crawler and friction-type plow blade, creating soil disturbances approximately 1.21 m (48 inches) deep and 152.43 mm (6 inches) wide. The construction will take place within previously disturbed areas. The impacted construction corridor is 7.75m

701 355 8400

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Kadrmas, Lee & Jackson, Inc.

A KLJ Solutions Company

to 15.24 m (25 to 50 feet) in width, although construction may be altered periodically by obstacles, or for the placement of above ground appurtenances. Restoration of the construction area will consist of compacting the cable plow slot. Every effort has been made to avoid water crossings, however when such crossings are required the method used by order of preference will be: (a) directly bury using the cable plow - this method is not used if bank destabilization is likely, (b) directional boring under the waterway, or (c) attaching to bridges or other in place support structures.

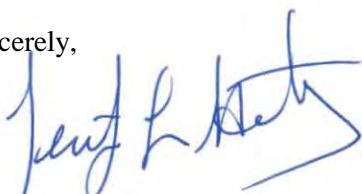
Above ground appurtenances will consist of wooden poles, metal pedestals, and signage-which are required for access and to identify the buried facilities. The appurtenances are usually located on ROW lines for easy access and to avoid property obstructions. These appurtenances are normally installed using a trenching method. Poles will be nominally 3.05 m (10 feet) by 203.25 mm (8 inches) in diameter. Approximately 1.83 m (6 feet) of the pole will stand above the finished grade. Metal pedestals will nominally have an outside dimension of 0.91 m (36 inches) by 0.61 m (24 inches) by 0.31 (12 inches). A larger size metal pedestal is occasionally required; the maximum size of the larger pedestals will be 1.83 m (72 inches) by 0.91 m (36 inches) by 1.06 m (42 inches). Trenching is a method of excavation normally required for installing above ground appurtenances, and for crossing roadways or other buried utility services such as, water and gas lines. The trenching machine creates a disturbance approximately 0.91 m to 1.83 m (36 to 72 inches) deep by 0.30 m (12 inches) wide. Where trenching is performed restoration will consist of suitable backfilling and compaction techniques as necessary, and reseeding of natural prairie grasses if required.

5. The area of potential effect for the proposed undertaking is limited to the construction footprint, as the cable will be placed underground. The identification process for compliance with the Section 106 was a Class I Literature Review. This was deemed reasonable given the limited APE and the location of the proposed undertaking (within the ROW of local roads). KL&J archaeologists conducted the literature review of the SHSND site and manuscript files. This data has also been supplied to the project design engineer, and it is our understanding that they plan to avoid all of the unevaluated, recommended eligible, or NRHP listed properties within the APE of the proposed undertaking. In general, railroads will be avoided in one of two ways, either through directional boring that begins and ends 50 feet from centerline on either side of the track, or by proceeding through existing structures such as culverts or ducts.

A finding of *No Historic Properties Affected* is being recommended for the proposed undertaking as mapped and described herein because all of the known cultural resources noted during the Class I Literature Review will be avoided by the proposed undertaking and because the proposed undertaking will be constructed in existing previously disturbed areas within road ditches.

Attached are maps of the project corridor and previously recorded sites. If I can provide further information, please feel free to contact me at (701)250-5912 or on my cell phone at (701)202-7066, or by email jennifer.harty@kljeng.com

Sincerely,



Jennifer L. Harty
Archaeologist/Principal Investigator

Enclosures

CC: Lanny Harris, KL&J



TRIBAL HISTORIC PRESERVATION

Mandan Hidatsa Arikara
Perry 'No Tears' Brady, Director.
404 Frontage Road,
New Town, North Dakota 58763
Ph/701-862-2474 fax/701-862-2490
pbrady@mhanation.com

Jennifer Harty, staff Archeologist
Kadrmas Lee & Jackson
128 Soo Line Dr
Bismarck, ND 58501

Jennifer:

Based on the knowledge the upcoming **ARRA Broadband infrastructure Project, # 18090302** will be 100% entirely within the right-of-way of existing roadways on the Ft. Berthold reservation, the Tribal Historic Preservation Office *positively concurs* with the findings of KL&J and has the following comments for submission:

If previously recorded sites are within fifty (50) feet of the Project, the THPO reserves the right to revisit these previously recorded sites for evaluation.

If there is a danger the Project may impact heretofore unrecorded traditional cultural Properties, the THPO requires avoidance or mitigation of the TCP's in the proposed project route.

Please contact myself or Pete Coffey for any further questions or comments at your convenience.

Sincerely:


Perry Brady, THPO

Kadrmas Lee & Jackson

Engineers Surveyors
Planners

December 18, 2009

Mr. Paul Picha
North Dakota State Historical Society
612 East Boulevard Avenue
Bismarck, ND 58505

RE: Review of ARRA Broadband Infrastructure Project

Dear Mr. Picha,

KL&J has been asked to initiate the Section 106 review process on behalf of Reservation Telecom for the ARRA Broadband Infrastructure Project. The proposed project is the installation of approximately 977 miles of new telecommunications cable along existing the right-of-way (ROW) of local, county, and state roadways. The project is located in Billings, McKenzie, Golden Valley, Mountrail, and McLean Counties, North Dakota. A large portion of the undertaking is located within Fort Berthold Reservation. KL&J has consulted with the THPO from Fort Berthold for those portions located on Tribal lands.

1. The proposed undertaking is under the jurisdiction of the United States Department of Agriculture-Rural Utilities Service (USDA-RUS). They are the lead federal agency for this project. The contact at the USDA-RUS is Mr. Wayne Algren.

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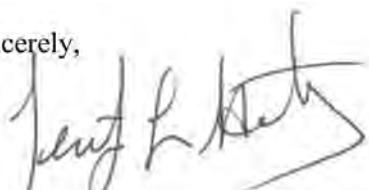
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Sincerely,



Jennifer L. Harty
Archaeologist/Principal Investigator

Enclosures

CC: Lanny Harris, KL&J



STATE
HISTORICAL
SOCIETY
OF NORTH DAKOTA

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December 22, 2009

Mr. Wayne Algren
USDA-RUS
4825 East Roundup Road
Bismarck ND 58503-8923

ND SHPO Ref.: 10-0405 RUS/Reservation Telecom ARRA 2009 grant request
Broadband Infrastructure Project in Billings, McKenzie, Golden Valley,
Mountrail and McLean Counties, North Dakota

Dear Mr. Algren,

We received ND SHPO Ref.: 10-0405 RUS/Reservation Telecom ARRA 2009 grant request Broadband Infrastructure Project in Billings, McKenzie, Golden Valley, Mountrail and McLean Counties, North Dakota and here are responses to the specific questions requested:

1. Is the proposed project located on, within or adjacent to any properties listed in or eligible for listing in the National Register of Historic Places? Is the proposed project located on, within, or adjacent to a National Historic Landmark? If the answer is yes, describe and indicate the geographic relationship between the project and property with maps. In order to accurately provide comment on this question, this office (ND SHPO) requests that Reservation Telecom hire a private cultural resource consultant to perform a Class I Cultural Resource Inventory (Class I CRI, file search) of the proposed construction areas for the Area of Potential Effect, per guidance found in "NDSHPO Guidelines for Cultural Resource Surveys," available online. This file search is underway by Kadrmas Lee and Jackson of Bismarck, North Dakota. The findings of this Class I CRI search should be submitted to ND SHPO for further review and comment prior to construction. It is not likely the Class I search of the proposed construction area and our agency's comments can be provided within the allotted time of the application. Because of this, we offer the following general comments. If construction takes place in previously disturbed road right-of-way, it would be unlikely that this construction would have any effect on sites that could be listed in or eligible for the National Register of Historic Places, or would be considered a National Historic Landmark, and

thus it is likely that there would be no historic properties affected by this project. Further Class III survey (pedestrian) may be required, pending review of the Class I inventory. We would ask that after the Class I survey has been performed and provided for our review, that the telco would agree to follow our recommendations on cable placement or routing in order to avoid any potential harm to possible historic sites that are found during the records search or Class III (pedestrian) survey.

2. Will the proposed project impact, use or alter a building or structure that was constructed more than 50 years ago? If so, describe the building/structure with a statement of its condition, including photographs, and document of its age. **The Class I inventory has not uncovered any standing structures older than 50 years in the Area of Potential Effect. If any are discovered during the Class II (reconnaissance) survey, they should be surveyed and evaluated.**
3. Is any portion of the project located on tribal lands, meaning lands within the exterior boundaries of any Indian reservation and all dependent Indian communities? **The proposed construction area is mostly in the Fort Berthold Indian Reservation, Mandan Hidatsa Arikara Nation. It may go near the Trenton Indian Service Area in Williams County.**
4. Applicants must provide SHPO/THPO response/information to these questions including any correspondence with the SHPO/THPO, as applicable. **The North Dakota State Historic Office (NDSHPO) has been consulted by letter correspondence. We request that a Class I Cultural Resource Inventory be completed of the Area of Potential Effect, and submitted for review. The NDSHPO Reference number for the project is 10-0405.**

Thank you for the opportunity to review this project to date. We look forward to review of the Class I record search and comments. Please include the ND SHPO Reference number listed above in further correspondence for this specific project. If you have any questions please contact Susan Quinnell, Review and Compliance Coordinator at (701) 328-3576.

Sincerely,



Merlan E. Paaverud, Jr.

State Historic Preservation Officer

(North Dakota) and

Director, State Historical Society of North Dakota



STATE
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May 18, 2011

Jennifer L. Harty
Senior Staff Archaeologist
Kadomas, Lee, and Jackson
128 Soo Line Drive
PO Box 1157
Bismarck, ND 58502-1157

NDSHPO REF. : 10-0405a RUS Reservation Telephone
ARRA Broadband Initiative Project North Dakota 1105-A40A New Town and Mandaree
Exchanges EZ Grant #907: A Class III Cultural Resource Inventory, Dunn, McKenzie, and
Mountrail Counties, North Dakota
Class I and Class II/III CRI CRI Report

Dear Jennifer:

We have reviewed project: 10-0405a RUS Reservation Telephone "ARRA Broadband Initiative Project North Dakota 1105-A40A New Town and Mandaree Exchanges EZ Grant #907: A Class III Cultural Resource Inventory, Dunn, McKenzie, and Mountrail Counties, North Dakota" by Duane Klinner, Brian O Donnchadha, and Ian Randall (KLJ, ROI 1282, February 2011) and find it acceptable.

We concur with a "*No Historic Properties Affected*" determination provided the project is of the nature stated and it takes place in the locations plotted in the RUS documentation. If THPO-administered lands are crossed we recommend consultation with those entities for their recommendations and concurrence on the project. Thank you for the opportunity to review this project. If you have questions please contact either Paul Picha at ppicha@nd.gov or (701) 328-3574 or Susan Quinnell at squinnell@nd.gov or (701) 328-3576.

Sincerely,

Merlan E. Paaverud, Jr.
State Historic Preservation Officer (North Dakota)

and
Director, State Historical Society of North Dakota
c: Elgin Crows Breast, Mandan Hidatsa, and Arikara Nation THPO



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May 19, 2011

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Jennifer L. Harty
Senior Staff Archaeologist
Kadomas, Lee, and Jackson
128 Soo Line Drive
PO Box 1157
Bismarck, ND 58502-1157

NDSHPO REF.: 10-0405b RUS Reservation Telephone
ARRA Broadband Initiative Project North Dakota 1105-A40A Parshall Exchange EZ Grant
#907: A Class I Cultural Resource Inventory, Dunn, McKenzie, and Mountrail Counties,
North Dakota Class I CRI (Literature Review) and Parshall Exchange

Dear Jennifer:

We have reviewed project: 10-0405b RUS Reservation Telephone "ARRA Broadband Initiative Project North Dakota 1105-A40A Parshall Exchange EZ Grant #907: Class I Literature Review by Jennifer L. Harty (KLJ, ROI 1108, June 2010) and find it acceptable.

We concur with a "*No Historic Properties Affected*" determination provided the project is of the nature stated (routing in crowned road ditches) and it takes place in the locations plotted in the RUS and other project documentation.

If THPO-administered lands are crossed we recommend consultation with those entities for their recommendations and concurrence on the project. Thank you for the opportunity to review this project. If you have questions please contact either Paul Picha at ppicha@nd.gov or (701) 328-3574 or Susan Quinnell at squinnell@nd.gov or (701) 328-3576.

Sincerely,

Merlan E. Paaverud, Jr.
State Historic Preservation Officer (North Dakota)

and

Director, State Historical Society of North Dakota
c: Elgin Crows Breast, Mandan Hidatsa, and Arikara Nation THPO

| Twp | Rng | Sec | SITS | Site_Type | Recorder | NRHP |
|-----|-----|-----|----------|--|---|------|
| 142 | 102 | 3 | 32BI711 | Archaeological - CMS | Christensen, Persinger & Scott, 1989 | U |
| 143 | 101 | 6 | 32BI792 | Archaeological - Hearth | Borchert & Klinner, 1991 | NE |
| 143 | 102 | 2 | 32BI377 | Archaeological - CMS | Floodman, 1983 | NE |
| 143 | 102 | 2 | 32BI841 | Historical - CMS, Depression | Borchert & Blikre, 1993 | U |
| 143 | 102 | 2 | 32BI844 | Archaeological - CMS | Borchert & Blikre, 1993 | U |
| | | | | | | |
| 143 | 102 | 3 | 32BI778 | Archaeological - CMS, Pit, Rock Shelther | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI761 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI762 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI763 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI764 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI765 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI766 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI767 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI768 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI779 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI780 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI8 | Historical - Elkhorn Ranch | No Name, No Date | E |
| 143 | 102 | 5 | 32BI8 | Historical - Elkhorn Ranch | No Name, No Date | E |
| 143 | 102 | 5 | 32BI878 | Historical - CMS, Foundation | Floodman, 1999 | NE |
| 143 | 102 | 8 | 32BI306 | Archaeological - Quarry | Murphy & Moore, 1981 | U |
| 143 | 104 | 12 | 32GV266 | Archaeological - CMS | Heiner, 2005 | U |
| 143 | 105 | 20 | 32GV160 | Archaeological - CMS | McCarthy, 1991 | NE |
| 143 | 105 | 27 | 32GV186 | Architectural - Bridge | No Name, No Date | NE |
| 143 | 105 | 33 | 32GV25 | Archaeological - CMS | Logan, 1980 | U |
| 144 | 101 | 30 | 32BI305 | Archaeological - CMS | Floodman, 1981 | U |
| 144 | 101 | 30 | 32BI406 | Archaeological - CMS, Hearth | Metcalf, 1984 | NE |
| 144 | 101 | 31 | 32BI356 | Archaeological - CMS | Floodman, 1983 | U |
| 144 | 102 | 4 | 32BI277 | Historical - CMS, Depression | Floodman, 1981 | NE |
| 144 | 102 | 4 | 32BI412 | Archaeological - CMS | Borchert, 1084 | U |
| 144 | 102 | 4 | 32BI423 | Archaeological - CMS, SC, Hearth | Borchert & Kuehn, 1985; Kuehn, 1986 | E |
| | | | | | Klinner & Borchert, 1989; Kuehn & Klinner, 1990 | |
| 144 | 102 | 4 | 32BI750 | Archaeological - CMS | Klinner, 1990 | U |
| | | | | | | |
| 144 | 102 | 6 | 32BI1073 | Archaeological - C, Eagle Trapping Pit | Floodman, 2009 | E |
| | | | | | Stanley, Haskell & Montgomery, 1981; | |
| 144 | 102 | 7 | 32BI279 | Archaeological - CMS | Klinner, 1996 | U |
| 144 | 102 | 7 | 32BI345 | Archaeological - CMS | Enders & Radford, 1982 | U |
| 144 | 102 | 7 | 32BI346 | Archaeological - CMS | Metcalf, Enders & Radford, 1982 | U |
| 144 | 102 | 7 | 32BI348 | Archaeological - CMS, Hearth | Radford, 1982 | U |
| 144 | 102 | 8 | 32BI347 | Archaeological - CMS, Hearth | Radford, 1982 | U |
| 144 | 102 | 15 | 32BI272 | Archaeological - CMS, Hearth, Pit | Floodman, 1981 | U |
| 144 | 102 | 16 | 32BI760 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 144 | 102 | 20 | 32BI879 | Historical - CMS, Depression | Floodman, 1999 | NE |
| 144 | 102 | 21 | 32BI1061 | Archaeological - CMS | Toom, et.al., 2008 | U |
| 144 | 102 | 21 | 32BI1063 | Historical - CMS, Rock Art | Toom, et.al., 2008 | U |
| 144 | 102 | 21 | 32BI1068 | Archaeological - CMS | Jackson, et.al., 2008 | U |
| 144 | 102 | 23 | 32BI233 | Archaeological - Rock Feature | Floodman & Maul, 1981 | U |
| 144 | 102 | 23 | 32BI53 | Archaeological - CMS | Jesen, 1980 | U |
| 144 | 102 | 25 | 32BI950 | Archaeological - Pit | Turck, 2004 | U |
| 144 | 102 | 27 | 32BI1064 | Historical - CMS, Foundation | Jackson, et.al., 2008 | U |
| 144 | 102 | 27 | 32BI1066 | Archaeological - CMS | Jackson, et.al., U | U |
| 144 | 102 | 27 | 32BI957 | Archaeological - CMS | Stine & Kulevsky, 2005 | U |
| 144 | 102 | 32 | 32BI758 | Archaeological - CMS | Oliver & Peterson, 1990 | U |

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|-----|-----|-------------------|----------|---|--|----|
| 144 | 102 | 33 | 32BI1065 | Archaeological - 2 Rock Features | Jackson, et.al., 2008 | U |
| 144 | 102 | 33 | 32BI1069 | Archaeological - CMS | Jackson, et.al., 2008 | U |
| 144 | 102 | 34 | 32BI1077 | Archaeological - CMS | Bluemle, 2009 | NE |
| 144 | 102 | 34 | 32BI842 | Archaeological - CMS | Borchert & Blikre, 1993; Jackson, et.al., 2008 | U |
| 144 | 102 | 34 | 32BI843 | Archaeological - CMS | Borchert & Blikre, 1993; Jackson, et.al., 2008 | U |
| 144 | 102 | 36 | 32BI1011 | Archaeological - 2 Eagle Trapping Pits | Floodman, 2007 | U |
| 144 | 102 | 15, 16 | 32BI759 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 144 | 102 | 21, 22, 27, | 32BI1067 | Historical - Survey Marker | Jackson, 2008 | U |
| 144 | 103 | 2 | 32GV282 | Archaeological - CMS | Pollman, 2007 | U |
| 144 | 103 | 8 | 32GV192 | Historical - CMS | Loendorf, 1992 | U |
| 144 | 103 | 15 | 32GV283 | Archaeological - CMS | Pollman, 2007 | U |
| 144 | 103 | 20 | 32GV233 | Archaeological - CMS | Philipek, 1978 | U |
| 144 | 103 | 22 | 32GV77 | Archaeological - CMS | Kuehn, 1984 | NE |
| 144 | 103 | 32 | 32BI8 | Historical - Elkhorn Ranch | No Name, No Date | E |
| 144 | 103 | 32 | 32GV151 | Archaeological - CMS | Sanders, 1990 | NE |
| 144 | 103 | 32 | 32GV152 | Archaeological - CMS | Sanders, 1990 | U |
| 144 | 103 | 33 | 32BI8 | Historical - Elkhorn Ranch | No Name, No Date | E |
| 144 | 104 | 2 | 32GV280 | Archaeological - CMS | Heiner, 2006 | U |
| 144 | 104 | 6 | 32GV27 | Architectural - Post Office | Dahlberg, 1980 | U |
| 144 | 104 | 30 | 32GV21 | Historical - Dugout home | Jones, 1980 | U |
| 144 | 105 | 1 | 32GV238 | Architectural - Church | Bentley, 1999 | U |
| 144 | 105 | 17 | 32GV221 | Archaeological - CMS | Lahren, 1978 | U |
| 144 | 105 | 24 | 32GV26 | Archaeological - CMS | Logan & Krieg, 1980; Pollman, 2007 | U |
| 144 | 105 | 26 | 32GV281 | Archaeological - CMS | Pollman, 2007 | U |
| 145 | 102 | 28 | 32MZ555 | Historical - CMS, Depression, Machinery | Persinger, 1981 | U |
| 145 | 102 | 32 | 32MZ1276 | Archaeological - CMS | Stine, 1996 | U |
| 145 | 102 | 32 | 32MZ1277 | Archaeological - CMS | Stine, 1996 | U |
| 145 | 102 | 34 | 32MZ556 | Archaeological - CMS | Persinger, 1981 | NE |
| 145 | 102 | 34 | 32MZ557 | Archaeological - CMS | Persinger, 1981 | U |
| 145 | 102 | 34 | 32MZ558 | Archaeological - CMS | Persinger, 1981 | U |
| 145 | 103 | 2 | 32MZ927 | Archaeological - CMS | Kuehn, 1988 | NE |
| 145 | 103 | 2 | 32MZ928 | Archaeological - CMS | Kuehn, 1988 | NE |
| 145 | 103 | 10 | 32MZ1283 | Archaeological - CMS | Haakenson, 1996 | U |
| 145 | 103 | 10 | 32MZ1284 | Archaeological - CMS | Pool, 1996 | U |
| 145 | 103 | 10 | 32MZ1286 | Archaeological - CMS | Pool, 1996 | U |
| 145 | 103 | 10 | 32MZ224 | Archaeological - CMS | Murray, 1981; Pool, 1996 | E |
| 145 | 103 | 10 | 32MZ261 | Archaeological - CMS | Lahren, 1978; Pool, 1996 | E |
| 145 | 103 | 14 | 32MZ1280 | Archaeological - CMS | Scott, 1996 | U |
| 145 | 103 | 14 | 32MZ258 | Archaeological - CMS | Lahren, 1978; Pool, 1996 | U |
| 145 | 103 | 17 | 32MZ264 | Archaeological - CMS | Lahren, 1978 | U |

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|-----|-----|------------------|----------|--|--|----|
| 145 | 103 | 18 | 32MZ1011 | Historical - Homestead | Kuehn, 1984; Heiner & Harty, 2007 | NE |
| 145 | 103 | 18 | 32MZ19 | Historical - CMS, Depression, Trail | Simon, 1979 | U |
| 145 | 103 | 18 | 32MZ265 | Archaeological - CMS | Lahren, 1978 | NE |
| 145 | 103 | 18 | 32MZ266 | Archaeological - CMS | Lahren, 1978 | E |
| 145 | 103 | 18 | 32MZ267 | Archaeological - CMS | Lahren, 1979 | E |
| 145 | 103 | 19 | 32MZ1426 | Archaeological - CMS, 2 SC | Floodman, 1998; Harty, 2007 | U |
| 145 | 103 | 19 | 32MZ1815 | Archaeological - CMS | Heiner, 2006 | U |
| 145 | 103 | 19 | 32MZ270 | Archaeological - CMS | Lahren, 1978; Floodman, 1991 | NE |
| 145 | 103 | 19 | 32MZ569 | Archaeological - CMS | Dahms & Wedel, 1981 | NE |
| 145 | 103 | 19 | 32MZ570 | Archaeological - CMS | Dahms & Wedel, 1981 | E |
| 145 | 103 | 19 | 32MZ571 | Archaeological - CMS | Volk, 1981 | NE |
| 145 | 103 | 19 | 32MZ902 | Archaeological - CMS | Floodman, 1988; Harty & Heiner, 2007 | U |
| 145 | 103 | 20 | 32MZ1814 | Archaeological - CMS, Hearth | Heiner, 2006 | U |
| 145 | 103 | 20 | 32MZ616 | Archaeological/Historical - CMS | Sheldon, 1982; Borchert, 1989; Floodman, 1991, 1998; Harty, 2007 | U |
| 145 | 103 | 27 | 32MZ1567 | Archaeological - CMS | Floodman, 2002 | U |
| 145 | 103 | 28 | 32MZ1004 | Archaeological - CMS | Borchert, 1989 | NE |
| 145 | 103 | 28 | 32MZ1813 | Archaeological - CMS | Heiner, 2006 | U |
| 145 | 103 | 29 | 32MZ572 | Archaeological - CMS | Dahms & Wedel, 1981 | NE |
| 145 | 103 | 29 | 32MZ606 | Archaeological - CMS | Dahms, Wedel, & Campbell, 1981; Harty, 2007 | NE |
| 145 | 103 | 29 | 32MZ607 | Archaeological - CMS | Campbell & Wedel, 1981 | NE |
| 145 | 103 | 29 | 32MZ628 | Archaeological - CMS | Newberry & Gregory, 1982 | E |
| 145 | 103 | 30 | 32MZ420 | Archaeological - CMS | Fox, 1978; Floodman, 1998, Harty & Heiner, 2007 | U |
| 145 | 103 | 30 | 32MZ426 | Archaeological - CMS | Loendorf, 1978; Peterson & Klinner, 1989; Floodman, 1998; Harty & Heiner, 2007 | U |
| 145 | 103 | 10, 11, 14 | 32MZ260 | Archaeological - CMS | Lahren, 1978; Pool & Haakenson, 1996 | E |
| 145 | 103 | 3, | 32MZ1281 | Archaeological - CMS | Pool, 1996 | U |
| 145 | 103 | 9, 10 | 32MZ262 | Archaeological - CMS, SC | Lahren, 1978; Scott, 1996 | U |
| 145 | 104 | 1 | 32MZ1811 | Archaeological - CMS | Heiner, 2006 | U |
| 145 | 104 | 1 | 32MZ225 | Archaeological - CMS | Keyser, 1978 | NE |
| 145 | 104 | 1 | 32MZ451 | Archaeological - C | Simon, 1978 | U |
| 145 | 104 | 1 | 32MZ617 | Archaeological - CMS, 2 Hearth | Metcalf, 1982; Harty & Heiner, 2007 | E |
| 145 | 104 | 5 | 32MZ1191 | Archaeological - CMS | Borchert & Blikre, 1993 | U |
| 145 | 104 | 5 | 32MZ1848 | Historical - CMS, Depression, Foundation | Floodman, 2008 | NE |
| 145 | 104 | 6 | 32MZ1399 | Archaeological - CMS | Floodman, 1998 | NE |

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|-----|-----|----|----------|---|---|----|
| 145 | 104 | 6 | 32MZ1400 | Archaeological - CMS | Floodman, 1998 | U |
| 145 | 104 | 6 | 32MZ1401 | Archaeological - CMS | Floodman, 1998 | U |
| 145 | 104 | 12 | 32MZ1199 | Archaeological/Historical - CMS/Homestead | Borchert & Wermers, 1993; Floodman, 1998 | U |
| 145 | 104 | 12 | 32MZ1808 | Historical - Depression | Harty, 2006 | NE |
| 145 | 104 | 12 | 32MZ1809 | Historical - CMS, Depression | Harty, 2006 | NE |
| 145 | 104 | 13 | 32MZ1429 | Archaeological - CMS | Floodman, 1998; Harty, 2007 | U |
| 145 | 104 | 13 | 32MZ1812 | Archaeological - CMS | Heiner, 2006 | U |
| 145 | 104 | 13 | 32MZ2268 | Archaeological - CMS | Lahren, 1978 | E |
| 145 | 104 | 13 | 32MZ2269 | Archaeological - CMS | Lahren, 1978; Savini, 1987; Harty & Morrison, 2007 | U |
| 145 | 104 | 22 | 32MZ1425 | Historical - CMS, Depression | Floodman, 1998 | NE |
| 145 | 104 | 24 | 32MZ1062 | Archaeological - CMS | Floodman, 1991; Heiner & Harty, 2007 | U |
| 145 | 104 | 24 | 32MZ59 | Historical - Homestead | Ford & Waitkus, 1979; McCoy, 1979; Borchert & Wermers, 1990 | U |
| 145 | 104 | 26 | 32MZ271 | Archaeoleogical - Occupation site | Lahren, 1978; Floodman, 1998 | U |
| 145 | 104 | 27 | 32MZ325 | Archaeological - CMS | Logan & good, 1980 | U |
| 145 | 104 | 32 | 32MZ1081 | Historical - Bridge | Floodman, 1991 | NE |
| 145 | 104 | 34 | 32MZ326 | Archaeological - CMS | Krieg & Good, , 1980 | U |
| 145 | 105 | 1 | 32MZ1036 | Archaeological - CMS | Floodman, 1990 | NE |
| 145 | 105 | 2 | 32MZ1643 | Historical - CMS, Depression | Floodman, 2004 | NE |
| 145 | 105 | 12 | 32MZ1116 | Architectural - Bridge | Hufstetler & Martin, 1991 | E |
| 145 | 105 | 12 | 32MZ1398 | Historical - 3 C | Floodman, 1998 | U |
| 145 | 105 | 14 | 32MZ1500 | Historical - Homestead | Floodman, 2001 | NE |
| 145 | 105 | 14 | 32MZ1501 | Historical - Homestead | Floodman, 2001 | NE |
| 145 | 105 | 22 | 32MZ1424 | Historical - Homestead | Floodman, 1998 | NE |
| 145 | 105 | 25 | 32MZ1131 | Historical - Bridge | Floodman, 1992 | NE |
| 145 | 105 | 22 | 32MZ1130 | Historical - Bridge | Floodman, 1992 | NE |
| 146 | 101 | 6 | 32MZ37 | Archaeological - CMS, Hearth | Simon & Borchert, 1979 | U |
| 146 | 101 | 7 | 32MZ1215 | Archaeological - Eagle Trapping Pit | Floodman, 1994 | E |
| 146 | 101 | 7 | 32MZ1216 | Archaeological - Eagle Trapping Pit | Floodman, 1994 | E |
| 146 | 101 | 7 | 32MZ1217 | Archaeological - Eagle Trapping Pit | Floodman, 1994 | E |
| 146 | 101 | 8 | 32MZ1197 | Archaeological - CMS | Borchert & Wermers, 1993 | U |

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|-----|-----|----|----------|---|--|----|
| 146 | 102 | 4 | 32MZ204 | Archaeological - CMS | Snortland-Coles, 1979 | U |
| 146 | 102 | 4 | 32MZ499 | Archaeological - CMS | Harnell, Ramsay & Kuehn, 1981; Borchert & Blikre, 1993 | E |
| 146 | 102 | 4 | 32MZ861 | Historical - Homestead | Floodman, 1987 | NE |
| 146 | 102 | 10 | 32MZ1150 | Archaeological/Historical - CMS/Homestead | Floodman, 1992 | U |
| 146 | 102 | 10 | 32MZ706 | Archaeological - CMS | Floodman, 1984 | U |
| 146 | 102 | 10 | 32MZ707 | Archaeological - C | Floodman, 1984 | NE |
| 146 | 102 | 14 | 32MZ1238 | Archaeological - CMS | Klinner, 1995 | U |
| 146 | 103 | 10 | 32MZ30 | Archaeological - CMS | Allen, 1979; Borchert & Blikre, 1993 | E |
| 146 | 103 | 18 | 32MZ1198 | Historical - Homestead | Borchert & Wermers, 1993 | NE |
| 146 | 103 | 20 | 32MZ1065 | Archaeological - CMS | Floodman, 1991; Johnson, 1996 | U |
| 146 | 103 | 20 | 32MZ161 | Archaeological - CMS | Simon & Borchert, 1980; Highland, 1998 | U |
| 146 | 103 | 33 | 32MZ1282 | Archaeological - CMS | Scott & Haakenson, 1996 | U |
| 146 | 103 | 35 | 32MZ1442 | Archaeological - CMS | Highland, 1998 | U |
| 146 | 103 | 35 | 32MZ929 | Archaeological - CMS | Kuehn, 1988 | NE |
| 146 | 104 | 15 | 32MZ185 | Archaeological - CMS | Newberry, 1980 | U |
| 146 | 104 | 20 | 32MZ1343 | Historical - CMS, Depression | Klinner, 1997 | NE |
| 146 | 104 | 20 | 32MZ189 | Archaeological - CMS | Floodman, 1980 | U |
| 146 | 104 | 25 | 32MZ1403 | Historical - Rock Art | Floodman, 1998 | E |
| 146 | 104 | 29 | 32MZ35 | Archaeological - CMS | Muceus & Lawrence, 1979 | U |
| 146 | 104 | 33 | 32MZ1402 | Archaeological - CMS | Floodman, 1998 | U |
| 146 | 105 | 35 | 32MZ1597 | Historical - Homestead | Floodman, 2003 | NE |
| 147 | 86 | 7 | 32ML480 | Archaeological - CMS, SC, Hearth | Lueck, 1989 | U |
| 147 | 86 | 7 | 32ML481 | Archaeological - CMS | Lueck, 1989 | U |
| 147 | 86 | 7 | 32ML482 | Archaeological - CMS | Lueck, 1989 | U |
| 147 | 86 | 7 | 32ML483 | Archaeological - 2 C | Lueck, 1989 | U |
| 147 | 86 | 7 | 32ML491 | Archaeological - CMS | Lueck, 1989 | U |
| 147 | 86 | 7 | 32ML492 | Archaeological - 10 SC, C | Lueck, 1989 | U |
| 147 | 86 | 7 | 32ML494 | Archaeological - 33+ SC, 4 C | Lueck, 1989 | U |
| 147 | 86 | 7 | 32ML79 | Archaeological - CMS | Logan, Kinney & Dahlberg, 1982 | U |
| 147 | 87 | 5 | 32ML95 | Archaeological - 12 SC, C | Logan & Logan, 1982 | U |
| 147 | 87 | 7 | 32ML416 | Archaeological - 15 SC, 7 C | Lippincott, 1989 | U |
| 147 | 87 | 7 | 32ML417 | Archaeological - CMS | Lippincott, 1989 | U |
| 147 | 87 | 7 | 32ML418 | Archaeological - 9 SC, 3 C | Lippincott, 1989 | U |
| 147 | 87 | 7 | 32ML419 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 7 | 32ML420 | Archaeological - 4 SC | Lippincott, 1989 | U |
| 147 | 87 | 7 | 32ML421 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 87 | 7 | 32ML422 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 87 | 7 | 32ML437 | Archaeological/Historical - 8 SC/2 Graves | Lippincott, 1989 | U |
| 147 | 87 | 8 | 32ML423 | Archaeological - 2 C | Lippincott, 1989 | U |
| 147 | 87 | 8 | 32ML424 | Archaeological - CMS, 4 SC | Lippincott, 1989 | U |
| 147 | 87 | 8 | 32ML425 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 8 | 32ML426 | Archaeological - 3 SC, C | Lippincott, 1989 | U |

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| 147 | 87 | 8 | 32ML438 | Archaeological/Historical - CMS, SC/CMS | Lippincott, 1989 | U |
| 147 | 87 | 8 | 32ML440 | Historical - Homestead | Lippincott, 1989 | U |
| 147 | 87 | 9 | 32ML427 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 87 | 9 | 32ML428 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 9 | 32ML448 | Archaeological - 2 SC | Lippincott, 1989 | U |
| 147 | 87 | 9 | 32ML449 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML433 | Archaeological - 5 SC, 2 C | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML434 | Archaeological - 9 SC | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML450 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML451 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML452 | Archaeological - CMS | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML453 | Archaeological - 2 C | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML454 | Archaeological - 5 SC | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML462 | Archaeological - 18 SC, 2 C | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML466 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML469 | Archaeological - 4 SC | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML71 | Archaeological - 2 SC | Robson, 1981 | U |
| 147 | 87 | 10 | 32ML72 | Archaeological - SC | Robson, 1981; Lueck, 1990 | U |
| 147 | 87 | 10 | 32ML80 | Archaeological - 5 SC | Logan & Logan, 1982 | U |
| 147 | 87 | 11 | 32ML467 | Archaeological - CMS | Lippincott, 1989 | U |
| 147 | 87 | 11 | 32ML468 | Archaeological - CMS, 2 SC | Lippincott, 1989 | U |
| 147 | 87 | 11 | 32ML81 | Archaeological - 3 SC, 15 C | Logan & Logan, 1982 | U |
| 147 | 87 | 11 | 32ML82 | Archaeological - 12 SC, 18 C | Logan, Logan & Freudens, 1982; Lippincott, 1989 | U |
| 147 | 87 | 11 | 32ML85 | Archaeological - 9 SC, Hearth, C | Logan, Logan & Fueuden, 1982 | U |
| 147 | 87 | 12 | 32ML479 | Archaeological - CMS | Lueck, 1989 | U |
| 147 | 87 | 13 | 32ML472 | Archaeological - CMS, 11 SC, 2 C | Lippincott, 1989 | U |
| 147 | 87 | 13 | 32ML473 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 13 | 32ML474 | Archaeological/Historical - CMS, 19 SC/CMS | Lueck, 1989 | U |
| 147 | 87 | 13 | 32ML475 | Archaeological - SC | Lueck, 1989 | U |
| 147 | 87 | 13 | 32ML476 | Archaeological - CMS, Hearth | Lueck, 1989 | U |
| 147 | 87 | 13 | 32ML477 | Archaeological/Historical -CMS, SC/Farmstead | Lueck, 1989 | U |
| 147 | 87 | 13 | 32ML478 | Archaeological/Historical - CMS/CMS | Lueck, 1989 | U |
| 147 | 87 | 13 | 32ML488 | Archaeological - 19 SC, 6 C | Lueck, 1989 | U |
| 147 | 87 | 13 | 32ML490 | Archaeological - SC | Lueck, 1989 | U |
| 147 | 87 | 14 | 32ML458 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 14 | 32ML459 | Archaeological - 4 SC | Lippincott, 1989 | U |
| 147 | 87 | 14 | 32ML460 | Archaeological - 2 SC | Lippincott, 1989 | U |
| 147 | 87 | 14 | 32ML461 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 14 | 32ML471 | Archaeological/Historiacal - C, Depression/Burial, 8 Depressions | Lippincott, 1989 | U |
| 147 | 87 | 14 | 32ML487 | Archaeological - 2 SC | Lippincott, 1989 | U |
| 147 | 87 | 14 | 32ML84 | Archaeological - CMS | Logan & Logan, 1982 | U |
| 147 | 87 | 15 | 32ML429 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML430 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML431 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML432 | Archaeological - 2 SC, 4 C | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML455 | Archaeological - 4 SC, C | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML456 | Archaeological - 23 SC, 3 C | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML457 | Archaeological - 3 SC | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML463 | Archaeological - 2 SC | Lippincott, 1989 | U |

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| 147 | 87 | 15 | 32ML464 | Archaeological - CMS, SC | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML465 | Archaeological - 7 SC | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML470 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML493 | Archaeological - 6 SC, 11 C | Lippincott, 1989 | U |
| 147 | 87 | 16 | 32ML435 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 16 | 32ML436 | Archaeoloigcal - SC, C | Lippincott, 1989 | U |
| 147 | 87 | 16 | 32ML444 | Archaeological -2 SC, 6 C | Lippincott, 1989 | U |
| 147 | 87 | 16 | 32ML445 | Archaeological - SC | Lippincott, 1989 | U |
| | | | | | | |
| 147 | 87 | 16 | 32ML446 | Archaeological/Historical - CMS/9 Grave | Lippincott, 1989 | U |
| 147 | 87 | 16 | 32ML447 | Archaeological - 6 SC | Lippincott, 1989 | U |
| | | | | | | |
| 147 | 88 | 3 | 32ML1002 | Archaeological - CMS | Stine, 2002; Stine, 2003 | U |
| 147 | 88 | 3 | 32ML96 | Archaeological - CMS | Logan & Logan, 1982 | U |
| 147 | 88 | 3 | 32ML991 | Architectural - Church | Bentley, 1999 | U |
| 147 | 88 | 6 | 32ML360 | Archaeological - 2 SC | Lippincott, 1989 | U |
| 147 | 88 | 7 | 32ML361 | Archaeological - 6 SC | Lippincott, 1989 | U |
| | | | | Archaeological/Historical - SC/CMS, 4 | | |
| 147 | 88 | 7 | 32ML362 | Foundations | Lippincott, 1989 | U |
| 147 | 88 | 7 | 32ML363 | Archaeological - 5 SC | Lippincott, 1989 | U |
| 147 | 88 | 7 | 32ML364 | Archaeological - SC, 2 C | Lippincott, 1989 | U |
| 147 | 88 | 7 | 32ML365 | Archaeological - 4 SC, C | Lippincott, 1989 | U |
| 147 | 88 | 7 | 32ML366 | Archaeological - 2 SC | Lippincott, 1989 | U |
| 147 | 88 | 7 | 32ML367 | Archaeological - 10 SC, 3 C | Lippincott, 1989 | U |
| | | | | | | |
| 147 | 88 | 7 | 32ML92 | Archaeological - SC, C | Logan & Logan, 1982; Lippincott, 1989 | U |
| 147 | 88 | 8 | 32ML349 | Archaeological - 2 SC, C | Lippincott, 1989 | U |
| 147 | 88 | 8 | 32ML350 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 88 | 8 | 32ML351 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 88 | 8 | 32ML359 | Archaeological -SC | Lippincott, 1989 | U |
| 147 | 88 | 8 | 32ML411 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 88 | 8 | 32ML91 | Archaeological - CMS | Logan & Logan, 1982 | U |
| 147 | 88 | 10 | 32ML371 | Archaeological - CMS | Lippincott, 1989 | U |
| | | | | Archaeological/Historical - CMS, 3 SC/6 | | |
| 147 | 88 | 13 | 32ML377 | Graves | Lippincott, 1989 | U |
| 147 | 88 | 13 | 32ML378 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 88 | 13 | 32ML379 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 88 | 13 | 32ML380 | Historical - Rock Feature, Rock Art, C | Lippincott, 1989 | U |
| 147 | 88 | 13 | 32ML415 | Archaeological - 3 C | Lippincott, 1989 | U |
| | | | | Archaeological/Historical - | | |
| 147 | 88 | 14 | 32ML373 | CMS/Foundation | Lippincott, 1989 | U |
| | | | | | | |
| 147 | 88 | 14 | 32ML374 | Archaeological/Historical - CMS/CMS, Foundationo, 6 Depressions | Lippincott, 1989 | U |
| 147 | 88 | 14 | 32ML375 | Archaeological - CMS, SC | Lippincott, 1989 | U |
| | | | | | | |
| 147 | 88 | 14 | 32ML376 | Archaeological/Historical - CMS/CMS | Lippincott, 1989 | U |
| 147 | 88 | 14 | 32ML413 | Archaeological - 2 SC | Lippincott, 1989 | U |
| 147 | 88 | 14 | 32ML69 | Archaeological - SC, C | Harris, 1980; Lippincott, 1989 | U |
| 147 | 88 | 14 | 32ML762 | Historical - CMS, Grave | Lippincott, 1989 | U |
| 147 | 88 | 14 | 32ML763 | Historical - Cemetery | Lippincott, 1989 | U |
| 147 | 88 | 15 | 32ML369 | Historical - Burials | Lippincott, 1989 | U |
| 147 | 88 | 15 | 32ML370 | Historical - CMS, Foundation | Lippincott, 1989 | U |
| 147 | 88 | 15 | 32ML372 | Archaeological - CMS | Lippincott, 1989 | U |
| 147 | 88 | 15 | 32ML439 | Historical - 33+ Burials | Lippincott, 1989 | U |

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| 147 | 88 | 16 | 32ML345 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 88 | 16 | 32ML346 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 88 | 16 | 32ML347 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 88 | 17 | 32ML348 | Archaeological - SC, Hearth | Lippincott, 1989 | U |
| | | 14, | | | | |
| 147 | 88 | 15 | 32ML412 | Archaeological - CMS | Lippincott, 1989 | U |
| 147 | 89 | 3 | 32ML86 | Archaeological - CMS | Logan & Logan, 1982 | U |
| | | 32DU1313 | | | | |
| 147 | 94 | 12 | | Historical - Farmstead | Springer, 2006 | NE |
| | | | | | | |
| 147 | 94 | 1 | 32DU1447 | Archaeological - 5 SC | Markman & McLaughlin, 2009 | U |
| | | | | | | |
| 147 | 94 | 1 | 32DU1448 | Archaeological - 2 SC | Markman & McLaughlin, 2009 | U |
| 147 | 94 | 1 | 32DU306 | Archaeological - CMS | Borchert, 1985; Springer, 2006 | NE |
| 147 | 94 | 1 | 32DU977 | Archaeological - CMS | Olson, 1990 | E |
| 147 | 102 | 25 | 32MZ121 | Historical - Farmstead | Dill & Ludwickson, 1977 | U |
| | | | | | | |
| 147 | 102 | 25 | 32MZ1831 | Historical - Log Cabin | Floodman, 2007 | NE |
| | | | | | | |
| 147 | 102 | 30 | 32MZ1055 | Historical - Homestead | Wermers & Borchert, 1990 | NE |
| | | | | | | |
| 147 | 102 | 30 | 32MZ1596 | Historical - Homestead | Floodman, 2003 | NE |
| 147 | 102 | 34 | 32MZ378 | Archaeological - CMS | Mosely, 1980 | U |
| 147 | 103 | 7 | 32MZ328 | Archaeological - CMS | Logan, 1980 | U |
| 147 | 103 | 8 | 32MZ41 | Archaeological - CMS | Simon & Borchert, 1979 | U |
| 147 | 103 | 8 | 32MZ41 | Archaeological - CMS | Simon & Borchert, 1979 | U |
| | | | | Historical - CMS, 5 Depressions, | | |
| 147 | 103 | 8 | 32MZ515 | Machinery | Harrell, 1981 | U |
| 147 | 103 | 8 | 32MZ516 | Archaeological - CMS | Harrell, 1981 | U |
| 147 | 103 | 8 | 32MZ517 | Archaeological - CMS | Harrell, 1981 | U |
| 147 | 103 | 30 | 32MZ61 | Archaeological - CMS | Waitkus, 1979 | U |
| 147 | 104 | 9 | 32mZ72 | Archaeological - CMS | Kuehn, 1980 | U |
| | | | | Archaeological/Historical - CMS/CMS, | | |
| 147 | 104 | 10 | 32MZ1113 | Dugout | Floodman, 1992 | U |
| 147 | 104 | 10 | 32MZ217 | Historical - CMS | Keyser, 1978 | E |
| 147 | 104 | 10 | 32MZ934 | Archaeological - CMS | Floodman, 1988 | U |
| 147 | 104 | 11 | 32MZ937 | Archaeological - CMS | Floodman, 1988; Olson, 1991 | E |
| 147 | 104 | 12 | 32MZ160 | Historical - Homestead | Borchert & Pearson, 1980 | NE |
| 147 | 104 | 12 | 32MZ242 | Archaeological - CMS | Loscheider, 1978 | NE |
| 147 | 104 | 12 | 32MZ938 | Archaeological - CMS | Floodman, 1988; Olson, 1991 | U |
| 147 | 104 | 31 | 32MZ171 | Archaeological - CMS | Senulis, 1980; Floodman, 1992 | NE |
| 147 | 104 | 35 | 32MZ327 | Historical - Homestead | Logan, 1980 | U |
| 148 | 88 | 11 | 32ML934 | Architectural - Church | Bentley, 1999 | U |
| 148 | 88 | 11 | 32ML935 | Architectural - Chruch | Bentley, 1999 | U |
| | | | | | Borchert, Burbidge, Klinner & Wermers, | |
| 148 | 88 | 21 | 32ML332 | Archaeological - 30 SC, 2 C | 1990 | U |
| | | | | | Borchert, Burbidge, Klinner & Wermers, | |
| 148 | 88 | 22 | 32ML333 | Archaeological - C | 1990 | U |
| 148 | 89 | 20 | 32ML321 | Historical - Foundation | Banks, 1988 | NE |
| | | | | Architectura;/Histsorical - CMS, | | |
| 148 | 89 | 30 | 32ML353 | Depression | Lippincott, 1989 | NE |
| | | | | | Logan & Logan, 1982; Stine & Potter, | |
| 148 | 89 | 30 | 32ML97 | Archaeological - CMS | 2002 | U |
| 148 | 89 | 33 | 32ML88 | Archaeological - CMS | Logan & Logan, 1982 | U |
| 148 | 89 | 34 | 32ML330 | Architectural - Farmstead | Melton, 1989 | NE |

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| 148 | 89 | 34 | 32ML87 | Archaeological - CMS | Logan & Logan, 1982 | U |
| 148 | 90 | 9 | 32ML320 | Archaeological - CMS | Floodman, 1989 | U |
| 148 | 90 | 25 | 32ML274 | Archaeological - CMS | Gnabasik, 1986; Lippincott, 1988 | U |
| 148 | 90 | 26 | 32ML750 | Historical - Dump | Lippincott, 1988 | U |
| 148 | 90 | 26 | 32ML751 | Archaeological - CMS | Lippincott, 1988 | U |
| 148 | 90 | 26 | 32ML752 | Historical - CMS, 5 Graves | Lippincott, 1988 | U |
| 148 | 90 | 26 | 32ML765 | Archaeological - CMS, Hearth | Lippincott, 1988 | U |
| 148 | 92 | 4 | 32DU117 | Archaeological - CMS | Montgomery, Hungerford & Birnie, 1982 | U |
| 148 | 92 | 11 | 32DU1466 | Archaeological - C | Herson & Shropshire, 2009 | U |
| 148 | 92 | 35 | 32DU633 | Archaeological - CMS | Winham, 1985 | U |
| 148 | 93 | 4 | 32DU1382 | Archaeological - CMS | Herson, 2008; Hiemstra, 2008 | U |
| 148 | 93 | 4 | 32DU1417 | Archaeological - CMS | Hiemstra, 2008 | U |
| 148 | 93 | 5 | 32DU1408 | Archaeological - CMS | Hiemstra, 2008 | U |
| 148 | 93 | 5 | 32DU1413 | Archaeological - CMS | Hiemstra, 2008 | U |
| 148 | 93 | 5 | 32DU1432 | Historical - CMS, Foundation | Harty, 2008 | U |
| 148 | 93 | 5 | 32DU1458 | Archaeological - CMS | Markman, Lechert & Slessman, 2009 | E |
| 148 | 94 | 1 | 32DU1411 | Archaeological - CMS | Hiemstra, 2008 | U |
| 148 | 94 | 12 | 32DU1152 | Archaeological - CMS | Klinner & Wermers, 1995 | U |
| 148 | 94 | 14 | 32DU1407 | Archaeological - CMS | Hiemstra, 2008 | U |
| 148 | 94 | 14 | 32DU1409 | Archaeological - CMS | Hiemstra, 2008 | U |
| 148 | 94 | 14 | 32DU848 | Archaeological - SC | Banks, 1987 | U |
| 148 | 94 | 15 | 32DU1406 | Archaeological - CMS | Hiemstra, 2008 | U |
| 148 | 94 | 18 | 32DU609 | Archaeological - CMS | Brechtel & Newberry, 1982 | NE |
| 148 | 94 | 18 | 32DU610 | Archaeological - CMS | Brechtel & Newberry, 1982 | U |
| 148 | 94 | 18 | 32DU611 | Archaeological - CMS, Arc | Brechtel & Newberry, 1982 | E |
| 148 | 94 | 18 | 32DU612 | Archaeological - CMS | Brechtel & Newberry, 1982 | U |
| 148 | 94 | 18 | 32DU613 | Archaeological - CMS | Brechtel & Newberry, 1982 | NE |
| 148 | 94 | 18 | 32DU614 | Archaeological - C | Brechtel & Newberry, 1982 | U |
| 148 | 94 | 18 | 32DU617 | Archaeological - CMS | Brechtel & Newberry, 1982 | U |
| 148 | 94 | 24 | 32DU1369 | Archaeological - Rock Feature | Harty, 2008 | U |
| 148 | 94 | 24 | 32DU1376 | Archaeological - CMS, SC | Harty, 2008 | U |
| 148 | 94 | 25 | 32DU950 | Archaeological/Historical - CMS/Sweatlodge, Farmstead | Melton, 1989; Tatman & Lechert, 2009 | U/NE |
| 148 | 94 | 36 | 32DU1445 | Archaeological - 3 SC | Markman & McLaughlin, 2009 | U |
| 148 | 94 | 36 | 32DU1446 | Archaeological - 3 SC | Markman & McLaughlin, 2009 | U |
| 148 | 94 | 11, | 32DU1410 | Archaeological - C | Hiemstra, 2008 | U |

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| 148 | 94 | 23, 24 | 32DU1375 | Archaeological - CMS, SC | Harty, 2008 | U |
| 148 | 95 | 2 | 32DU1037 | Archaeological - CMS, 2 SC, C | Olson, 1992 | U |
| 148 | 95 | 2 | 32DU1037 | Archaeological - CMS, 2 SC, C | Olson, 1992 | U |
| 148 | 95 | 2 | 32DU909 | Archaeological - CMS | Banks, 1987 | U |
| 148 | 95 | 7 | 32DU343 | Archaeological - CMS | KDB, JLZ & ESB, 1985 | NE |
| 148 | 95 | 7 | 32DU359 | Archaeological - CMS | JAM, JMS& IMM, 1985 | NE |
| 148 | 95 | 12 | 32DU618 | Archaeological - CMS | Brechtel & Newberry, 1982 | E |
| 148 | 95 | 13 | 32DU1026 | Archaeological - CMS, SC | Olson, 1991 | U |
| 148 | 95 | 24 | 32DU178 | Archaeological - CMS | Fox, 1984 | U |
| 148 | 95 | 24 | 32DU318 | Archaeological - CMS | Borchert, 1985 | U |
| 148 | 95 | 12 | 32DU621 | Archaeological - CMS, SC, Quarry | Kuehn & Christensen, 1986; Olson, 1991 | E |
| 148 | 95 | 24 | 32DU179 | Archaeological - CMS | Fox, 1984; Olson, 1991 | U |
| 148 | 96 | 12 | 32DU342 | Archaeological - CMS | JAM, JMS & IMM, 1985; Olson, 1997 | E |
| 148 | 96 | 12 | 32DU356 | Archaeological - CMS | JMS, JAM & IMM, 1985 | NE |
| 148 | 96 | 12 | 32DU357 | Archaeological - CMS | JAM, JMS & IMM, 1985; Olson, 1997 | NE |
| 148 | 105 | 36 | 32MZ93 | Archaeological - CMS | Hubbard, 1979; Klinner, 2007 | U |
| 149 | 89 | 7 | 32ML693 | Archaeological - CMS | Lippincott, 1988 | U |
| 149 | 89 | 7 | 32ML739 | Archaeological - CMS | Lippincott, 1988 | U |
| 149 | 89 | 10 | 32ML925 | Architectural - Cemetery | Isern, 1999 | NE |
| 149 | 89 | 18 | 32ML737 | Archaeological - CMS | Lippincott, 1988 | U |
| 149 | 89 | 18 | 32ML738 | Archaeological/Historical - CMS/Foundation, Wagon, Pole | Lippincott, 1988 | U |
| 149 | 89 | 19 | 32ML314 | Archaeological - 5 SC, 2 C | Floodman, 1989 | U |
| 149 | 89 | 19 | 32ML931 | Architectural - Bridge | Hufstetler & McCormick, 2000 | E |
| 149 | 89 | 30 | 32ML315 | Archaeological - CMS | Floodman, 1989 | U |
| 149 | 89 | 18 | 32ML734 | Archaeological - CMS | Lippincott, 1988 | U |
| 149 | 90 | 4 | 32ML326 | Archaeological - 3 SC | Burbidge, 1989 | U |
| 149 | 90 | 4 | 32ML715 | Archaeological - C | Lippincott, 1988 | U |
| 149 | 90 | 4 | 32ML716 | Archaeological - 2 SC, 2 C | Lippincott, 1988 | U |
| 149 | 90 | 10 | 32ML718 | Archaeological - C | Lippincott, 1988 | U |
| 149 | 90 | 11 | 32ML719 | Archaeological - 2 Sc, 2 C | Lippincott, 1988 | U |
| 149 | 90 | 11 | 32ML723 | Archaeological - CMS, 3 SC, 3 C | Lippincott, 1988 | U |
| 149 | 90 | 11 | 32ML726 | Archaeological - C | Lippincott, 1988 | U |
| 149 | 90 | 11 | 32ML731 | Archaeological - 5 SC, C | Lippincott, 1988 | U |
| 149 | 90 | 11 | 32ML732 | Archaeological - SC | Lippincott, 1988 | U |
| 149 | 90 | 11 | 32ML733 | Archaeological - C | Lippincott, 1988 | U |
| 149 | 90 | 12 | 32ML179 | Archaeological - CMS | Krieg, 1981 | U |
| 149 | 90 | 12 | 32ML311 | Archaeological - CMS | Floodman, 1989 | U |
| 149 | 90 | 12 | 32ML312 | Archaeological - SC, C | Floodman, 1989 | U |
| 149 | 90 | 12 | 32ML313 | Archaeological - CMS | Floodman, 1989 | U |
| 149 | 90 | 12 | 32ML720 | Archaeological - 8 SC, C | Lippincott, 1988 | U |
| 149 | 90 | 12 | 32ML721 | Archaeological - 2 SC, 4C | Lippincott, 1988 | U |
| 149 | 90 | 12 | 32ML722 | Archaeological - 4 SC | Lippincott, 1988 | U |
| 149 | 90 | 12 | 32ML724 | Archaeological - SC | Lippincott, 1988 | U |
| 149 | 90 | 12 | 32ML725 | Archaeological - C | Lippincott, 1988 | U |
| 149 | 90 | 12 | 32ML740 | Archaeological - 2 SC | Lippincott, 1988 | U |
| 149 | 90 | 12 | 32ML741 | Archaeological - CMS | Lippincott, 1988 | U |

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| 149 | 91 | 30 | 32DU1220 | Architectural - Church | Ford-Dunker, 1999 | U |
| 149 | 91 | 30 | 32DU944 | Historical - Concrete Block | Melton, 1989 | NE |
| 149 | 92 | 7 | 32DU112 | Archaeological - CMS | Logan, 1981 | U |
| 149 | 92 | 7 | 32DU1153 | Archaeological - CMS | Klinner & Wermers, 1995 | NE |
| 149 | 92 | 7 | 32DU1464 | Archaeological - SC | Herson & Shropshire, 2009 | U |
| 149 | 92 | 8 | 32DU1154 | Archaeological - CMS, 2 C | Klinner & Wermers, 1995 | U |
| 149 | 92 | 8 | 32DU1155 | Archaeological - CMS | Klinner & Wermers, 1995 | U |
| 149 | 92 | 8 | 32DU1156 | Archaeological - Hearth | Klinner & Wermers, 1995 | NE |
| 149 | 92 | 8 | 32DU376 | Archaeological - CMS | Kuehn, 1986; Klinner & Wermers, 1995; Markman, 2009 | U |
| 149 | 92 | 8 | 32DU384 | Archaeological - SC | Christensen, 1986 | U |
| 149 | 92 | 10 | 32DU396 | Archaeological - CMS, SC, 2 C | Kuehn, 1986; Klinner & Wermers, 1995 | U |
| 149 | 92 | 10 | 32DU397 | Archaeological - CMS | Kuehn, 1986 | U |
| 149 | 92 | 10 | 32DU398 | Archaeological - CMS, 2 SC, C | Kuehn, 1986 | U |
| 149 | 92 | 10 | 32DU399 | Archaeological - CMS | Kuehn, 1986 | U |
| 149 | 92 | 10 | 32DU623 | Archaeological - CMS | Kuehn, 1986 | E |
| 149 | 92 | 10 | 32DU624 | Archaeological - CMS | Kuehn, 1986; No Name, 1990 | NE |
| 149 | 92 | 10 | 32DU625 | Archaeological - CMS | Kuehn, 1986; No Name, 1990 | NE |
| 149 | 92 | 10 | 32DU626 | Archaeological - CMS | Kuehn, 1986; No Name, 1990 | NE |
| 149 | 92 | 30 | 32DU1416 | Archaeological - CMS | Hiemstra, 2008 | U |
| 149 | 92 | 33 | 32DU1418 | Archaeological - C | Leuchtmann, 2008 | U |
| 149 | 93 | 2 | 32DU990 | Archaeological - CMS | Olson, 1990 | U |
| 149 | 93 | 4 | 32DU896 | Archaeological - CMS, Pit | Borchert, 1988 | U |
| 149 | 93 | 4 | 32DU901 | Archaeological - CMS | Borchert & Blikre, 1988 | U |
| 149 | 93 | 7 | 32DU1425 | Historical - Dump | Leuchtmann, 2008 | U |
| 149 | 93 | 9 | 32DU1216 | Architectural - Church | Ford- Dunker, 1999 | U |
| 149 | 93 | 10 | 32DU1427 | Archaeological - C | Leuchtmann, 2008 | U |
| 149 | 93 | 10 | 32DU1428 | Archaeological - SC | Leuchtmann, 2008 | U |
| 149 | 93 | 12 | 32DU379 | Archaeological - 4 SC | Kuehn & Christensen, 1986; Markman, 2009 | U |
| 149 | 93 | 12 | 32DU973 | Archaeological - SC, Arc, Rock Alignment | Spath & Christensen, 1990; Markman, 2009 | U |
| 149 | 93 | 17 | 32DU1438 | Archaeological - SC | Ferris, 2008 | U |
| 149 | 93 | 17 | 32DU86 | Archaeological - CMS | Newberry, 1980 | U |
| 149 | 93 | 17 | 32DU87 | Archaeological - CMS | Newberry, 1980 | U |
| 149 | 93 | 18 | 32DU1415 | Archaeological - C | Hiemstra, 2008 | U |
| 149 | 93 | 18 | 32DU1422 | Historical - Hoomestead | O'Donnchadha, 2008 | U |
| 149 | 93 | 18 | 32DU1423 | Archaeological - CMS | O'Donnchadha, 2008 | U |

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| 149 | 93 | 21 | 32DU947 | Archaeological/Historical - CMS/CMS, Foundation | Melton, 1989 | E |
| 149 | 93 | 21 | 32DU947 | Archaeological - SC, 3 Arcs | Hiemstra, 2008 | U |
| 149 | 94 | 4 | 32MZ1015 | Archaeological - 2 SC | Melton, 1989 | U |
| 149 | 94 | 10 | 32MZ810 | Archaeological - SC | Christensen, 1986 | U |
| 149 | 94 | 10 | 32MZ923 | Archaeological - SC | Banks, 1988 | E |
| 149 | 94 | 12 | 32MZ1947 | Archaeological - SC | Harty & Leuchtmann, 2008 | U |
| 149 | 94 | 12 | 32MZ1948 | Archaeological - 2 SC | Harty & Leuchtmann, 2008 | U |
| 149 | 94 | 12 | 32MZ809 | Archaeological - SC | Kuehn, 1986 | U |
| 149 | 94 | 14 | 32MZ1508 | Architectural - Church | Christopher, 2001 | U |
| 149 | 94 | 15 | 32MZ1042 | Archaeological - CMS, 2 C | Olson, 1990 | NE |
| 149 | 94 | 15 | 32MZ1955 | Historical - Foundation, 2 Depressions | O'Donnchadha, 2008 | U |
| 149 | 94 | 15 | 32MZ2018 | Archaeological - CMS, Rock Feature | Kohler, 2009 | U |
| 149 | 94 | 15 | 32MZ2019 | Archaeological - C | Markman, 2009 | U |
| 149 | 94 | 16 | 32MZ1680 | Archaeological - CMS | Bluemle, 2004 | U |
| 149 | 94 | 16 | 32MZ632 | Archaeological - CMS | Borchert & Keim, 1982 | U |
| 149 | 94 | 21 | 32MZ1679 | Archaeological - CMS | Bluemle, 2004 | U |
| 149 | 94 | 22 | 32MZ702 | Historical - Foundation | Fox, 1984 | NE |
| 149 | 94 | 27 | 32MZ1469 | Archaeological - CMS | Luther, 2008 | U |
| 149 | 94 | 27 | 32MZ1950 | Archaeological - CMS | Luther, 2008 | U |
| 149 | 94 | 27 | 32MZ1951 | Archaeological - SC | Luther, 2008 | U |
| 149 | 94 | 27 | 32MZ1952 | Archaeological - C | Luther, 2008 | U |
| 149 | 94 | 27 | 32MZ1953 | Archaeological - 6 C | Luther, 2008 | U |
| 149 | 94 | 27 | 32MZ1954 | Archaeological - CMS | Luther, 2008 | U |
| 149 | 94 | 27 | 32MZ1970 | Archaeological - C | Markman, 2009 | U |
| 149 | 94 | 27 | 32MZ2020 | Archaeological - CMS | Markman & Lechert, 2009 | U |
| 149 | 94 | 33 | 32MZ1860 | Archaeological - CMS, 2 SC, 3 C, Rock Feature | Harty, 2008 | U |
| 149 | 94 | 33 | 32MZ1949 | Historical - Dump | Leuchtmann, 2008 | NE |
| 149 | 94 | 21, 28, | 32MZ1123 | Archaeological/Historical - CMS, SC/CMS | Olson, 1992 | E |
| 149 | 94 | 9, | 32MZ633 | Archaeological - CMS, C | Bochert, Sheldon & Drybred, 1982 | E |
| 149 | 95 | 36 | 32MZ936 | Archaeological - CMS | Banks, 1987 | U |
| 150 | 90 | 19 | 32ML674 | Archaeological - Eagle Trapping Pit | Lippincott, 1988 | U |

| | | | | | | |
|-----|----|----|----------|---|----------------------------------|----|
| 150 | 90 | 19 | 32ML675 | Archaeological - C | Lippincott, 1988 | U |
| 150 | 90 | 19 | 32ML681 | Archaeological - SC | Lippincott, 1988 | U |
| 150 | 90 | 19 | 32ML760 | Historical - CMS, Hall, Privy, Dock | Lippincott, 1988 | NE |
| 150 | 94 | 16 | 32MZ1895 | Archaeological - CMS | Long, Bates & Ollie, 2007 | U |
| 150 | 94 | 16 | 32MZ1921 | Historical - Depression, Foundation | Leuchtmann & Herson, 2008 | NE |
| 150 | 94 | 19 | 32MZ1010 | Archaeological - 2 SC | Chevance, 1989 | U |
| 150 | 94 | 21 | 32MZ1922 | Archaeological - SC | Leuchtmann, 2008 | U |
| 150 | 94 | 21 | 32MZ1923 | Archaeological - SC | Leuchtmann, 2008 | U |
| 150 | 94 | 21 | 32MZ1924 | Archaeological - Rock Feature | Leuchtmann, 2008 | U |
| 150 | 94 | 21 | 32MZ701 | Historical - Foundation | Fox, 1984 | U |
| 150 | 94 | 28 | 32MZ1933 | Historical - Dump | Harty, 2008 | NE |
| 150 | 94 | 34 | 32MZ1934 | Archaeological - C | Harty, Asbury & Leuchtmann, 2008 | U |
| 150 | 94 | 34 | 32MZ1935 | Archaeological - 2 SC | Harty, Asbury & Leuchtmann, 2008 | U |
| 150 | 94 | 34 | 32MZ2008 | Archaeologica - CMS, C | Markman, 2009 | U |
| 150 | 95 | 12 | 32MZ1851 | Archaeological - CMS | Bluemle, 2008 | U |
| 150 | 95 | 12 | 32MZ754 | Archaeological - CMS, 2 SC, C | Christensen, 1985 | U |
| 150 | 95 | 12 | 32MZ755 | Archaeological - CMS, SC | Christensen & Kuehn, 1985 | U |
| 150 | 95 | 12 | 32MZ756 | Archaeological - SC, C | Christensen & Kuehn, 1985 | U |
| 150 | 95 | 12 | 32MZ818 | Archaeological - CMS | Porsche & Kuehn, 1986 | U |
| 150 | 95 | 13 | 32MZ1009 | Archaeological - SC | Christensen, 1985 | U |
| 150 | 95 | 13 | 32MZ1854 | Archaeological - CMS | Bluemle, 2008 | U |
| 150 | 95 | 13 | 32MZ757 | Archaeological - SC | Christensen, 1985 | U |
| 151 | 90 | 2 | 32MN384 | Historical - Dump | Borchert & Foster, 1988 | NE |
| 151 | 90 | 4 | 32MN385 | Historical - Farmstead | Borchert & Foster, 1988 | NE |
| 151 | 90 | 6 | 32MN388 | Archaeological - 5 SC, 4 C | Borchert & Foster, 1988 | U |
| 151 | 91 | 1 | 32MN345 | Historical - Foundation | Lippincott, 1985 | NE |
| 151 | 91 | 2 | 32MN320 | Historical - Farmstead | Lippincott, 1985 | U |
| 151 | 91 | 2 | 32MN371 | Historical - Depression, 2 Dug-outs | Lueck & Lippincott, 1985-86 | U |
| 151 | 91 | 11 | 32MN239 | Historical - Farmstead | Lippincott, 1985 | U |
| 151 | 91 | 11 | 32MN389 | Archaeological - 4 SC | Blikre & Fox, 1988 | U |
| 151 | 94 | 33 | 32MZ797 | Archaeological - 4 SC | No Name, 1986 | U |
| 152 | 90 | 13 | 32MN161 | Historical - Dump, Foundation, Machinery, Quarry, Trail | Schweigert & Halvorson, 1985 | NE |
| 152 | 90 | 13 | 32MN162 | Historical - Dump, Quarry | Schweigert & Halvorson, 1985 | NE |
| 152 | 90 | 25 | 32MN454 | Architectural - Barn | Brownell, 1989 | NE |
| 152 | 90 | 25 | 32MN457 | Architectural - Shed | Melton, 1989 | NE |
| 152 | 90 | 25 | 32MN655 | Architectural - Church | Christopher, 2001 | U |
| 152 | 90 | 36 | 32MN240 | Archaeological - CMS | Lippincott, 1985 | U |
| 152 | 90 | 36 | 32MN346 | Historical - 3 Foundations, Depression, Mound | Lippincott, 1985 | U |
| 152 | 90 | 36 | 32MN450 | Architectural - Apartments | Brownell, 1989 | NE |
| 152 | 90 | 36 | 32MN451 | Architecutral - Barn | Brownell, 1989 | NE |

| | | | | | | |
|-----|----|----|---------|---|---------------------------|----|
| 152 | 90 | 36 | 32MN452 | Architectural - Video Store | Brownell, 1989 | NE |
| 152 | 90 | 36 | 32MN453 | Architectural - Garage | Brownell, 1989 | NE |
| | | | | | | |
| 152 | 90 | 36 | 32MN455 | Historical - CMS, Horse Barn, Machinery | Brownell, 1989 | NE |
| 152 | 90 | 36 | 32MN822 | Archaeological - 2 Rock Features | Herson & Shropshire, 2009 | U |
| 152 | 91 | 35 | 32MN243 | Archaeological - CMS | Lippincott, 1985 | U |
| 153 | 89 | 19 | 32MN739 | Archaeological - 2 SC | Tyberg, 2007 | U |
| 153 | 89 | 19 | 32MN740 | Archaeological - 2 SC | Tyberg, 2007 | U |
| 153 | 89 | 28 | 32MN497 | Archaeological - CMS | Stine, 1991 | U |
| 153 | 89 | 31 | 32MN806 | Historical - Dump | Engel, 2009 | NE |
| 153 | 89 | 31 | 32MN807 | Archaeological - 2 SC | Engel, 2009 | U |
| 154 | 90 | 34 | 32MN726 | Historical - Church Foundation | Tyber & Selby, 2007 | NE |

Big Sky. Big Land. Big History.

Montana

Historical Society

*State Historic Preservation Office • 1410 Eighth Ave • P.O. Box 201202
Helena, MT 59620-1201 • 406-444-7715*

December 22, 2009

Jennifer Harty
Kadrmas, Lee & Jackson
128 Soo Line Drive
Bismarck ND 58502

RE: RES TELECOM FIBER OPTIC. SHPO Project #: 2009121405

Dear Jennifer:

I have conducted a cultural resource file search for the above-cited project. According to our records there have been a few previously recorded sites within the designated search locales. A few of these sites (CRIS list) have been determined eligible for listing on the National Register of Historic Places. In addition to the sites there have been a few previously conducted cultural resource inventories done in the areas. I've attached a list of these sites and reports. If you would like any further information regarding these sites or reports you may contact me at the number listed below.

It is SHPO's position that any structure over fifty years of age is considered historic and is potentially eligible for listing on the National Register of Historic Places. If any structures are within fifty feet of the existing ROW we would recommend that they be recorded and a determination of their eligibility be made.

If this project will not have any ground disturbance outside of the existing ROW we feel that there is a low likelihood cultural properties will be impacted. We, therefore, feel that a recommendation for a cultural resource inventory is unwarranted at this time. However, should this project go outside of the existing ROW we feel that this project has the potential to impact cultural properties. We, therefore, recommend that a cultural resource inventory be conducted in order to determine whether or not sites exist and if they will be impacted.

If you have any further questions or comments you may contact me at (406) 444-7767 or by e-mail at dmurdo@mt.gov. Thank you for consulting with us.

Sincerely,



Damon Murdo
Cultural Records Manager
State Historic Preservation Office



State Historic Preservation Office

Cultural Resource Annotated Bibliography System Report

Report Date:

12/14/2009

Township: 18N Range: 59E Section: 3

PETERSEN LYNELLE AND JOHN O. POULEY

9/ / 2003

RICHLAND COUNTY LINE-NORTH: A CLASS III CULTURAL RESOURCE INVENTORY FOR THE MONTANA DEPARTMENT OF TRANSPORTATION IN RICHLAND AND WIBAUX COUNTIES, MONTANA

CRABS Document Number: RL 4 26390

Township: 18N Range: 59E Section: 4

PETERSEN LYNELLE AND JOHN O. POULEY

9/ / 2003

RICHLAND COUNTY LINE-NORTH: A CLASS III CULTURAL RESOURCE INVENTORY FOR THE MONTANA DEPARTMENT OF TRANSPORTATION IN RICHLAND AND WIBAUX COUNTIES, MONTANA

CRABS Document Number: RL 4 26390

Township: 18N Range: 59E Section: 5

PASSMANN DORI, ET AL.

1/ / 1999

1998 NRCS NEGATIVE FINDINGS REPORT, (WIBAUX COUNTY)

CRABS Document Number: WX 6 21739

Township: 18N Range: 59E Section: 16

PASSMANN DORI

1/ / 2003

2002 NRCS FIELD STAFF NEGATIVE FINDINGS REPORTS IN WIBAUX COUNTY MONTANA

CRABS Document Number: WX 6 25663

Township: 19N Range: 58E Section: 2

PASSMAN DORI , ET.AL.

11/ / 2006

2006 NRCS FIELD STAFF NEGATIVE REPORTS

CRABS Document Number: RL 6 29608

Township: 19N Range: 58E Section: 5

ANDREWS MICHAEL J.

11/ / 1988

A CULTURAL RESOURCES INVENTORY FOR SELECTED CANAL REPAIRS, LOWER YELLOWSTONE PROJECT

CRABS Document Number: RL 6 8959

Township: 19N Range: 58E Section: 5

PLATT STEVE

7/ 22/ 1994

DISTRICT 4 MCS SITES

CRABS Document Number: RL 4 15917



State Historic Preservation Office

Cultural Resource Annotated Bibliography System Report

Report Date:

12/14/2009

Township: 19N Range: 58E Section: 12

PASSMAN DORI , ET.AL.

11/ / 2006 2006 NRCS FIELD STAFF NEGATIVE REPORTS

CRABS Document Number: RL 6 29608

Township: 19N Range: 58E Section: 14

PASSMANN DORI, ET AL.

1/ / 1999 1998 NRCS NEGATIVE FINDINGS REPORT, (RICHLAND COUNTY)

CRABS Document Number: RL 6 21754

Township: 19N Range: 58E Section: 14

PASSMANN DORI, ET AL.

1/ / 1998 1997 NRCS NEGATIVE FINDINGS REPORT (RICHLAND COUNTY)

CRABS Document Number: RL 6 20629

Township: 19N Range: 59E Section: 17

MELTON DOUGLAS A.

3/ 11/ 2003 CULTURAL RESOURCE INVENTORY CLASS III OF THE DYNNESON PIPELINE EXTENSION IN RICHLAND COUNTY MONTANA

CRABS Document Number: RL 2 26509

Township: 19N Range: 59E Section: 18

HUBBELL WILLIAM S.

11/ 8/ 2002 A CULTURAL RESOURCE INVENTORY III OF THE DYNNESON PIPELINE IN RICHLAND COUNTY MONTANA

CRABS Document Number: RL 2 25859

Township: 19N Range: 59E Section: 20

HUBBELL WILLIAM S.

11/ 8/ 2002 A CULTURAL RESOURCE INVENTORY III OF THE DYNNESON PIPELINE IN RICHLAND COUNTY MONTANA

CRABS Document Number: RL 2 25859

Township: 19N Range: 59E Section: 20

HUBBEL WILLIAM

3/ 2/ 2006 RICHLAND COUNTY GRAVEL PITS

CRABS Document Number: RL 2 29207

Township: 19N Range: 59E Section: 34

PETERSEN LYNELLE AND JOHN O. POULEY

9/ / 2003 RICHLAND COUNTY LINE-NORTH: A CLASS III CULTURAL RESOURCE INVENTORY FOR THE MONTANA DEPARTMENT OF TRANSPORTATION IN RICHLAND AND WIBAUX COUNTIES, MONTANA



State Historic Preservation Office

Cultural Resource Annotated Bibliography System Report

Report Date:

12/14/2009

CRABS Document Number: RL 4 26390

Township: 19N Range: 59E Section: 35

PETERSEN LYNELLE AND JOHN O. POULEY

9 / 2003 RICHLAND COUNTY LINE-NORTH: A CLASS III CULTURAL RESOURCE INVENTORY FOR THE MONTANA DEPARTMENT OF TRANSPORTATION IN RICHLAND AND WIBAUX COUNTIES, MONTANA

CRABS Document Number: RL 4 26390

Township: 19N Range: 60E Section: 27

PLATT STEVE

11 / 9 / 2005 CULTURAL RESOURCE INVENTORY OF THE SMITH CREEK BRIDGES IN WIBAUX COUNTY, MONTANA

CRABS Document Number: WX 4 28153

Township: 19N Range: 60E Section: 28

PLATT STEVE

11 / 9 / 2005 CULTURAL RESOURCE INVENTORY OF THE SMITH CREEK BRIDGES IN WIBAUX COUNTY, MONTANA

CRABS Document Number: WX 4 28153

Township: 20N Range: 58E Section: 27

CLARK GERALD R.

9 / 22 / 1977 ELK ISLAND: HMP PROPOSED BOUNDARY FENCE

CRABS Document Number: RL 2 8868

Township: 20N Range: 58E Section: 33

COUTANT BRAD A.

8 / 1991 FIFTEEN ASSORTED STRUCTURES ON THE LOWER YELLOWSTONE IRRIGATION DISTRICT, RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 6 13050

Township: 20N Range: 58E Section: 33

VINCENT WILLIAM B.

2 / 24 / 2002 NOTIFICATION OF UNDERTAKING - PROPOSED REPLACEMENT OF A DETERIORATED CHUTE AT THE SAVAGE SPILLWAY STRUCTURE AND ASSOCIATED BRIDGE IN RICHLAND COUNTY MONTANA

CRABS Document Number: RL 6 24567



State Historic Preservation Office

Cultural Resource Annotated Bibliography System

Report

Report Date:

12/14/2009

Township: 20N Range: 58E Section: 33

KORDECKI CYNTHIA, ET AL.

4/ / 2001

LOWER YELLOWSTONE IRRIGATION PROJECT, 1996 AND 1997 CULTURAL RESOURCES INVENTORY, DAWSON AND RICHLAND COUNTIES, MONTANA AND MCKENZIE COUNTY IN NORTH DAKOTA

CRABS Document Number: ZZ 6 23753

Township: 20N Range: 58E Section: 33

BRUMLEY JOHN H.

9/ / 2000

A CULTURAL INVENTORY OF 14 BRIDGE PROJECTS AREAS WITHIN RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 6 23550

Township: 20N Range: 58E Section: 34

MELTON DOUG

4/ 11/ 2008

CLASS III CULTURAL RESOURCE INVENTORY OF THE DAVIS PIPELINE ROW RENEWAL, RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 2 30263

Township: 20N Range: 59E Section: 2

PASSMAN DORI , ET.AL.

11/ / 2006

2006 NRCS FIELD STAFF NEGATIVE REPORTS

CRABS Document Number: RL 6 29608

Township: 20N Range: 59E Section: 6

ANDERSON PAUL, ET AL.

10/ / 1986

CULTURAL RESOURCE INVENTORY AND ASSESSMENT OF SELECTED ABANDONED COAL MINE SITES THROUGHOUT MONTANA AND SELECTED HARDROCK SITES IN BUTTE

CRABS Document Number: ZZ 2 10784

Township: 20N Range: 59E Section: 7

ANDERSON PAUL, ET AL.

10/ / 1986

CULTURAL RESOURCE INVENTORY AND ASSESSMENT OF SELECTED ABANDONED COAL MINE SITES THROUGHOUT MONTANA AND SELECTED HARDROCK SITES IN BUTTE

CRABS Document Number: ZZ 2 10784

Township: 20N Range: 59E Section: 11

PASSMANN DORI, ET AL.

1/ / 2002

2001 NRCS FIELD STAFF NEGATIVE FINDINGS REPORT FOR RICHLAND COUNTY MONTANA

CRABS Document Number: RL 6 24990



State Historic Preservation Office

Cultural Resource Annotated Bibliography System Report

Report Date:

12/14/2009

Township: 20N Range: 59E Section: 13

PASSMANN DORI, ET AL.

1/ / 1999

1998 NRCS NEGATIVE FINDINGS REPORT, (RICHLAND COUNTY)

CRABS Document Number: RL 6 21754

Township: 20N Range: 59E Section: 24

PASSMANN DORI, ET AL.

1/ / 1999

1998 NRCS NEGATIVE FINDINGS REPORT, (RICHLAND COUNTY)

CRABS Document Number: RL 6 21754

Township: 20N Range: 59E Section: 25

PASSMANN DORI, ET AL.

1/ / 2000

1999 NRCS NEGATIVE FINDINGS REPORT FOR RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 6 23378

Township: 20N Range: 59E Section: 25

PASSMANN DORI, ET AL.

1/ / 2000

1999 NRCS NEGATIVE FINDINGS REPORT FOR RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 6 23378

Township: 20N Range: 59E Section: 25

PASSMANN DORI, ET AL.

1/ / 2000

1999 NRCS NEGATIVE FINDINGS REPORT FOR RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 6 23378

Township: 20N Range: 59E Section: 32

MELTON DOUGLAS A.

3/ 7/ 2003

CULTURAL RESOURCES CLASS III INVENTORY OF RICHLAND COUNTY ROAD
REPAIR IN RICHLAND COUNTY MONTANA

CRABS Document Number: RL 2 26510

Township: 20N Range: 59E Section: 36

PASSMANN DORI, ET AL.

1/ / 2000

1999 NRCS NEGATIVE FINDINGS REPORT FOR RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 6 23378

Township: 20N Range: 59E Section: 36

PASSMANN DORI, ET AL.

1/ / 2000

1999 NRCS NEGATIVE FINDINGS REPORT FOR RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 6 23378



State Historic Preservation Office

Cultural Resource Annotated Bibliography System Report

Report Date:

12/14/2009

Township: 20N Range: 60E Section: 19

PASSMANN DORI, ET AL.

1/ / 2000

1999 NRCS NEGATIVE FINDINGS REPORT FOR RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 6 23378

Township: 21N Range: 58E Section: 23

DAVIS LESLIE B.

6/ 13/ 1978

SEVEN SISTERS GAME MANAGEMENT AREA

CRABS Document Number: RL 6 8945

Township: 21N Range: 58E Section: 23

AABERG STEPHEN A.

4/ 27/ 1986

**CULTURAL RESOURCE SURVEY REPORT SEVEN SISTERS WILDLIFE
MANAGEMENT AND RECREATION AREA**

CRABS Document Number: RL 6 8953

Township: 21N Range: 58E Section: 34

PASSMAN DORI , ET.AL.

11/ / 2007

2007 NRCS FIELD STAFF NEGATIVE REPORTS

CRABS Document Number: RL 6 30047

Appendix C: Environmental Questionnaire

Environmental Questionnaire

Any project-related activity that may adversely affect the environment must not be undertaken prior to the completion of Rural Utilities Service/National Telecommunication and Information Administration environmental review process. Doing so may jeopardize consideration of your application. All of the following questions must be completed or the application will be considered incomplete. Note: The applicant may submit a copy of any environmental review document that has been prepared in connection with obtaining permits, approvals, or other financing for the proposed project from State, local or other federal bodies. Such material, to the extent relevant, may be used to meet the requirements herein.

- i. **Project Description:**- Describe all project-related construction activities, including, but not limited to building construction related to installing pre-fabricated buildings; internal modifications, or equipment additions to buildings or other structures (e.g., relocating interior walls or adding computer facilities); the construction and installation of buried cable; or installation of telecommunications transmission facilities including construction of new monopole towers, satellite dishes. Complete descriptions must be provided for each site affected by project-related construction activities.

The proposed project is primarily the installation of approximately 977 miles of new telecommunications fiber cable along existing rights-of-way (ROW) of local, county, and state roadways. The project is located in Billings, McKenzie, Golden Valley, Mountrail, and McLean Counties, North Dakota; and Richland and Wibaux Counties, Montana. A large portion of the undertaking is located within Fort Berthold Reservation in McKenzie, McLean, and Mountrail Counties.

The fiber cable will be placed underground via plowing or boring of the cable. Electronics (ONT's) will be placed on the side of subscribers house/building and minor cabling will be required inside the building to facilitate the service. No alterations will be required within buildings to facilitate service. Access and transport equipment will be installed in existing RTC buildings with no building alterations needed.

Cable will be direct buried using a tractor-crawler and friction-type plow blade, creating soil disturbances approximately 1.21 m (48 inches) deep and 152.43 mm (6 inches) wide. Construction will predominantly occur in the bottom of the road ditch where the soil has previously been disturbed. The impacted construction corridor is 7.62 m to 15.24 m (25 to 50 feet) in width, although construction may be altered periodically by obstacles or for the placement of above-ground appurtenances. Restoration of the construction area will consist primarily of compacting the cable plow slot and reseeding where required. Drawing 4

*depicts the typical plow method and can be found in **Appendix A** of this response. Soil disturbance due to the placement of the buried facilities is minimal and should not impact production capabilities of any acreage.*

Every effort will be made to avoid water crossings, however when such crossings are required the method used by order of preference will be:

- *Direct bury using the Cable Plow. (This method is not used if bank destabilization is likely.)*
- *Directional boring under the waterway.*
- *Converting from buried to aerial facilities.*
- *Attaching to bridges or other in place supports.*

*Drawing 1 shows various water crossing methods and can be found in **Appendix A** of this response.*

*Above-ground appurtenances will consist of wooden poles, metal pedestals and signage which are required for access and to identify the buried facilities. The appurtenances are usually located on right-of-way lines for easy access and to avoid property obstructions. The appurtenances are normally installed using a trenching method. Poles will be nominally 3.05 m (10 feet) by 203.2 mm (8 inches) in diameter. Approximately 1.83 m (6 feet) of the pole will stand above the finished grade. Metal pedestals will nominally have an outside dimension of 0.91 m (36 inches) by 0.61 m (24 inches) by 0.30 m (12 inches). A larger size metal pedestal is occasionally required with the maximum size of the larger pedestals being 1.83 m (72 inches) by 0.91 m (36 inches) by 1.07 m (42 inches). Drawing 2 shows typical above-ground appurtenances and can be found in **Appendix A** of this response.*

*Trenching is a method of excavation normally required when installing above-ground appurtenances and for crossing roadways or other buried utility services such as water and gas lines. The trenching machine creates a disturbance approximately 0.91 m to 1.83 m (36 to 72 inches) deep by 0.30 m (12 inches) wide. Where trenching is performed restoration will consist of suitable backfilling and compaction techniques as necessary and reseeding of natural prairie grasses if required. Drawing 3 shows a typical trenching example and the method of restoration for this type of excavation and can be found in **Appendix A** of this response.*

- ii. **Map:** Include a map for each site affected by construction (recommend U.S. Geological Survey 7.5-minute quadrangle maps at a map scale of 1:24,000; larger scale maps may be provided for site-specific proposals). USGS maps may be obtained and purchased at the following website:

<http://www.usgs.gov/pubprod/maps.html>. If appropriate, photographs or aerial photographs of site-specific proposals may be provided.

Maps of the proposed design have been prepared for each exchange. The proposed design was taken from the preliminary design maps and overlaid onto 7.5-minute quadrangle maps. A list of all 7.5-minute quadrangle maps incorporated into the maps can be found in Appendix B. Please note that the proposed design distance from the road on the maps was exaggerated for clarity, the lines may not appear to be following the road but it is our intention to place the cable in the road ditch. For your convenience, we clipped the quadrangle maps together for each exchange so that you can get a broad view of each exchange in its entirety. The scale of the maps ranges from 1 inch = 0.85 mile to 1 inch = 1.40 miles. In the pdf format, one can zoom into the map up to 400% to see greater detail. There are seven maps for the five exchanges included in this response namely New Town, Parshall, Roseglen, Mandaree and Squaw Gap. The file names are as follows:

*envques_iimap_newtown.pdf
envques_iimap_parshall.pdf
envques_iimap_roseglen.pdf
envques_iimap_mandaree_east.pdf
envques_iimap_mandaree_west.pdf
envques_iimap_sqgp_mt.pdf
envques_iimap_sqgp_nd.pdf*

Information was obtained for wetlands and lands managed by the Federal government and these areas have been incorporated in the maps. These areas are transparent so that the detail of the quadrangle can be seen behind them. These areas are defined by the legend on each of the maps.

The maps show State, Reservation and Exchange Boundaries.

- iii. **Property Changes:** Describe and indicate the amount of property to be cleared, excavated, fenced, or otherwise disturbed by the project and describe the current land use and zoning for each project site affected by construction including whether the project is proposed to be located on public land owned or managed by the federal government.

Any property changes will be temporary. The proposed construction activities will occur in the bottom of the road ditch; therefore minimal property changes if any will occur as a result of construction. The equipment used to place the cable is approximately 12 feet wide. The ground will be disturbed by the tracks of the

vehicles and plow but will be packed down immediately. The areas will be seeded so that native grasses will continue to grow. No trees will be cleared as we will work around them by re-routing and/or directional boring. Minimal excavation will be required in areas where other utilities are present so that said utilities can be exposed and protected during the construction. Minimal excavation will also be required at the locations of bore pits and access pedestals/handholes. Pedestals and handholes will be placed at the edge of the right-of-way preferably adjacent to a fenceline so that they are out of the way of equipment which might be used to mow the ditch or farm the adjacent land. There are areas where we propose to cross lands owned or managed by the federal government. These federal land areas include: US Army Corp of Engineers, US Fish & Wildlife Service, Bureau of Land Management, Bureau of Reclamation, Military, National Park Service, US Forest Service and Federal Wildlife Preserve Lands MT. It should be noted that though Federal land areas for Montana were incorporated into our maps, only the Federal Wildlife Preserve lands were located in the project area. We will work with Federal agencies to obtain proper authorization and we will conform to any mandated construction or permit requirements.

- iv. **Buildings:** Describe buildings or other structures (i.e., transmission facilities), including dimensions, to be constructed or modified. For linear projects, state whether the project is to be located on or within previously disturbed public rights-of-way.

No buildings will be constructed or modified in the course of the proposed construction. The proposed cable will be placed in the bottom of the road ditch which is within previously disturbed public rights-of-way.

- v. **Wetlands:** Describe and indicate whether wetlands are present on or near the project site(s) affected by construction (maps of wetlands may be obtained from the U.S. Fish and Wildlife Service's National Wetland Inventory website: <http://www.fws.gov/wetlands/> or from soil maps obtained from the USDA, Natural Resource Conservation Service's website: <http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm>).

Wetlands are present in the proposed project areas. Information was obtained from the US Fish and Wildlife Service's National Wetland Inventory website: <http://www.fws.gov/wetlands/> and that information has been incorporated into the exchange maps (see item ii). We will avoid wetlands wherever possible. We will work with the US Fish and Wildlife Service to mitigate any concerns. From past experience, the US Fish and Wildlife Service recommends that construction in wetland areas should not occur during the breeding season (February 1st to

July 15th). If the breeding season cannot be avoided then a qualified biologist should conduct a field survey to determine the absence or presence of nesting migratory birds so that measures can be taken to protect nesting birds.

When wetlands cannot be avoided the following measures can be employed to minimize impact of construction on wetlands:

- 1) *make no stream channel alterations or changes in drainage patterns*
- 2) *avoid the placement of fill in wetlands*
- 3) *install and maintain appropriate erosion control measures*
- 4) *reseed*
- 5) *if a wetland crossing cannot be made without minimal effects then the wetland will be directional bored.*

vi. **Critical Habitats:** Describe and indicate whether any project site(s) include or are near critical habitats or will affect any threatened, endangered or candidate species. Applicants must provide species lists and appropriate specie accounts obtained from the U.S. Fish and Wildlife Service's website:
http://ecos.fws.gov/tess_public/ for each county affected by construction of the project.

Threatened, endangered and candidate species and critical habitats do exist within the Counties of the proposed project areas. Information was obtained from the US Fish and Wildlife Service's website:

*http://ecos.fws.gov/tess_public/. The threatened, endangered and candidate species and critical habitats located in the Counties of the proposed project areas are identified by County in **Appendix C**. The specie accounts can be found in **Appendix D**. The specie accounts were not available by County but by State within the Mountain Prairie Region. The Mountain Prairie Region is composed of seven states: Montana, North Dakota, South Dakota, Wyoming, Nebraska, Utah, Colorado and Kansas.*

It cannot be said at present whether any of the identified threatened, endangered and candidate species and critical habitats do occur near our project sites because the exact locations were not available and thus are not mapped. Prior to any construction, we will obtain from the US Fish and Wildlife Service information regarding the whereabouts of known locations of threatened, endangered and candidate species and critical habitats to determine whether they exist in our proposed project areas. We will work with the US Fish and Wildlife Service to mitigate any concerns whether that is by avoiding construction during critical nesting periods or by conducting botanical surveys within the project areas.

- vii. **Floodplains:** Describe whether or not any facility(ies) or site(s) are located within a 100 or 500-year floodplain. Information related to floodplains and National Flood Insurance Maps may be obtained from the Federal Emergency Management Agency's (FEMA) website <http://www.msfc.fema.gov/webapp/wcs/stores/servlet/CategoryDisplay?catalogId=10001&storeId=10001&categoryId=12001&langId=-1&userType=G&type=1>. If any project-related construction activities are within floodplains, a copy of the FEMA, "FIRMette" with construction activities depicted on the map must be included. For obtaining FIRMettes review the tutorial provided by [FEMA](#).

Construction activities are planned to occur within the 100-year floodplain in Richland County, Montana which is in the Squaw Gap Exchange. The FIRMettes were obtained from the Federal Emergency Management Agency and the proposed routes have been highlighted in blue on the FIRMette maps. The FIRMette maps for Richland County are entitled envques_viiimap_richland_county.pdf. It appears that approximately 1.5 miles of proposed construction underground cable does fall within the 100-year floodplain. Wherever possible, we will avoid placing pedestals within the 100-year floodplain. If pedestals must be placed within the 100-year floodplain then they will be water proof. We will directional bore across any waterways within the 100-year floodplain to achieve extra depth to prevent the cable from being washed out during wet conditions when water may be flowing at higher capacities.

Portions of the City of Parshall are also located within the 100-year floodplain. The FIRMette map for the City of Parshall is entitled envques_viiimap_parshall.pdf. The construction of Parshall Exchange will begin at the Central Office in the City of Parshall. Construction activities within the City of Parshall will be limited to pulling fiber cable in existing ducts. As indicated on the FIRMette map, the existing ducts that will be utilized do cross the boundary of the 100-year floodplain.

- viii. **Protected Lands:** Describe any cultural resources, including *historic properties*, i.e., properties listed in or eligible for listing in the National Register of Historic Places, which are located in or within a one-mile radius of the project area and how they may be impacted by the project. Information related to historic properties can be obtained from the State Historic Preservation Office (SHPO) in your respective State – see the website of the National Conference of SHPO: <http://www.ncshpo.org/find/index.htm> or from the Tribal Historic Preservation Officer (THPO) when tribal lands are involved. Applicants must gather information about the nature and location of these properties from the SHPO. SHPOs should be asked the following questions:

1. Is the proposed project located on, within or adjacent to any properties listed in or eligible for listing in the National Register of Historic Places? Is the proposed project located on, within or adjacent to a National Historic Landmark? If the answer is yes, describe and indicate the geographic relationship between the project and property with maps.
2. Will the proposed project impact, use or alter a building or structure that was constructed more than 50 years ago? If so, describe the building/structure with a statement of its condition, including photographs, and document its age.
3. Is any portion of the project located on tribal lands, meaning lands within the exterior boundaries of any Indian reservation and all dependent Indian communities?
4. Applicants must provide SHPO/THPO responses/information to these questions including any correspondence with the SHPO/THPO, as applicable.

*KL&J has consulted with the State Historic Preservation Offices (SHPO) of North Dakota and Montana regarding this project; see attached **Appendix E**. Further, we have consulted with the Fort Berthold Reservation Tribal Historic Preservation Officer. Letters were sent to North Dakota SHPO, and THPO, while verbal conversations took place with Montana SHPO. All entities were sent maps of the proposed routes. Response letters were received from all three agencies answering the questions in this questionnaire. The responses can be found in **Appendix E**.*

*As part of this consultation, KL&J initiated a Class I Literature Review. Due to time constraints, as of this date we were unable to obtain the site location maps for the portion of the project within the state of Montana. We have, however, obtained a list of sites for Montana which can be found in **Appendix E**. Attached to this letter, please find the correspondence we have received from the Montana SHPO office regarding the sites and previously inventoried areas within the project corridor. KL&J is in the process of completing a Class I Literature Review of the site and manuscript files from the State Historical Society of North Dakota (SHSND). Based on our initial findings, a total of 530 previously recorded sites are located within a one-mile radius of the project corridor in North Dakota, and 34 previously recorded sites are located within a one-mile radius of the project corridor in Montana. The North Dakota sites are mapped on quad maps along with proposed routes and are included in this response for the five exchanges. The file names are as follows:*

[*envques_viiimap_nwtn.pdf*](#)
[*envques_viiimap_prsh.pdf*](#)
[*envques_viiimap_rsgl.pdf*](#)
[*envques_viiimap_mndr_east.pdf*](#)
[*envques_viiimap_mndr_west.pdf*](#)
[*envques_viiimap_sqgp_nd.pdf*](#)

The area of potential effect (APE) for the proposed undertaking is limited to the construction footprint, as the cable will be placed underground. The identification process for compliance with the Section 106 was a Class I Literature Review. This was deemed reasonable given the limited APE and the location of the proposed undertaking (within the ROW of local roads). KL&J archaeologists conducted the literature review of the SHSND site and manuscript files. We plan to avoid all of the unevaluated, recommended eligible, or National Register of Historic Places listed properties within the APE of the proposed undertaking. In general, railroads will be avoided in one of two ways, either through directional boring that begins and ends 50 feet from centerline on either side of the track, or by proceeding through existing structures such as culverts or ducts.

A finding of No Historic Properties Affected was recommended to the North Dakota and Montana SHPO offices and the Fort Berthold Tribal Historic Preservation Office for the proposed undertaking as mapped and described herein. This recommendation was based on KL&J's understanding of the project, and because the proposed undertaking will be constructed in existing previously disturbed areas within road ditches. Following consultation with the SHPO and THPO offices, KL&J understands that additional cultural resources work will be required prior to issuance of final concurrence. We will work diligently with these agencies to avoid all protected lands. New Town is where we will be starting the construction in the first year, first within the city limits then moving onto to the rural. Thus far no historical buildings have been identified within the New Town city limits. If any historic buildings are identified there will be no alteration to these buildings, we will simply reuse the existing cable entrance into the building. This will allow us to start the city project as soon as the weather permits.

- ix. **Coastal Areas:** Determine whether or not the project is within the boundaries of a coastal zone management area (CZMA). For boundary related and contact information related to CZMA, see National Oceanic and Atmospheric Administration, Office of Ocean and Coastal Resource Management's website: <http://coastalmanagement.noaa.gov/consistency/welcome.html>

No construction activities in coastal areas.

- x. **Brownfields:** Determine whether the project is located within a brownfield site. Per 42 U.S.C. 9601, the term "brownfield site" means real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Maps and locations of sites, facilities and properties that have been contaminated by hazardous materials and are being, or have been, cleaned up under EPA's Superfund, RCRA and/or brownfields cleanup programs can be found at the following website: <http://iaspub.epa.gov/Cleanups/>

No construction activities in Brownfield areas.

Note: The applicant may submit a copy of any environmental review document that has been prepared in connection with obtaining permits, approvals, or other financing for the proposed project from State, local or other federal bodies. Such material, to the extent relevant, may be used to meet the requirements herein.

Printed Legal Name of Applicant: Reservation Telephone Cooperative

Signature:



Date:

12-16-09

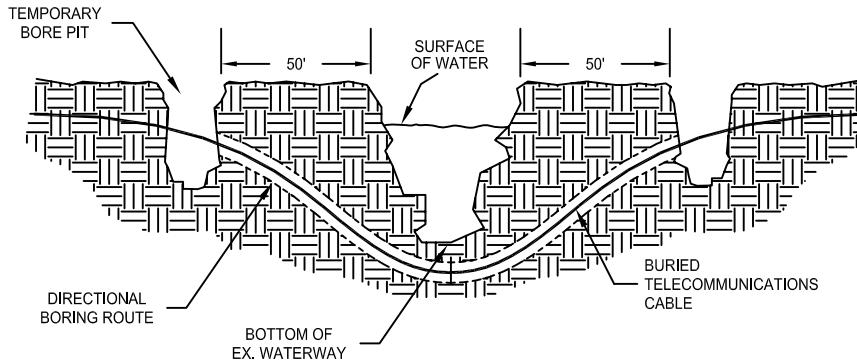
The applicant's representative certifies to the best of his/her knowledge and belief that the information contained herein is accurate. Any false information may result in disqualification for consideration of financial assistance or the rescission of financial assistance.

Appendix A

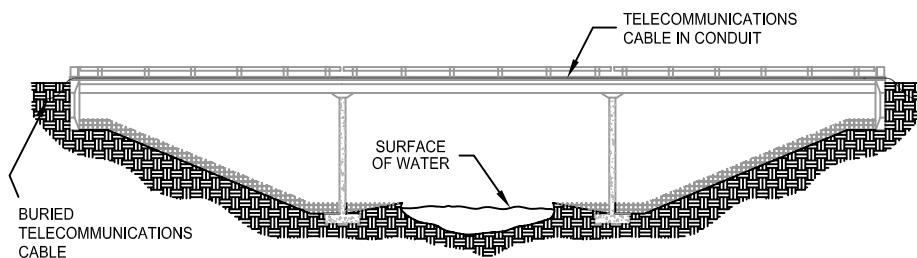


24 Main St N
Parshall, ND 58770
Office 701 862 3115
Fax 701 862 3008
www.reservationtelephone.com

Project No. 18090302
File Name WATER_XING
Drafted By EAW/WZ
Drafted Date 02/24/09
As Built By
As Built Date
Revised By
Revision Date
Scale NTS



DIRECTIONAL BORE DETAIL



BRIDGE ATTACHMENT DETAIL

DRAWING 1

WATER CROSSING

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Sheet Number

1 OF 4

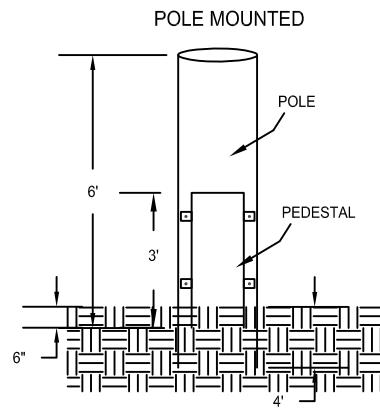
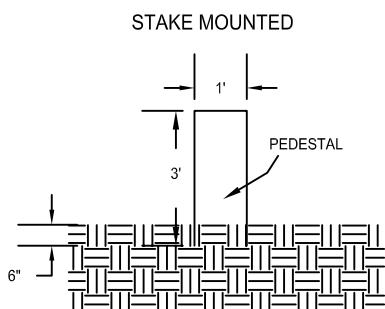


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Project No. 18090302
File Name AGRD_DET
Drafted By WZ
Drafted Date 02/24/09
As Built By
As Built Date
Revised By
Revision Date
Scale NTS

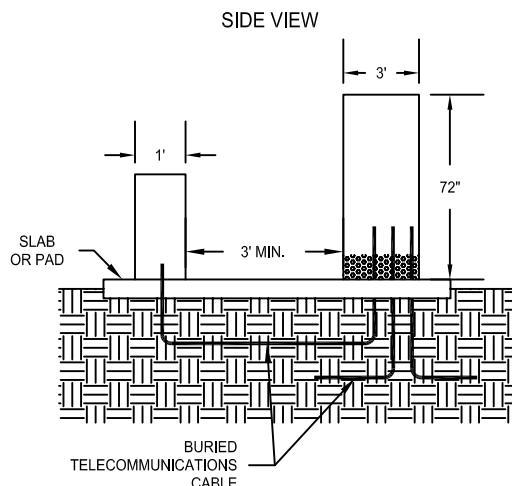
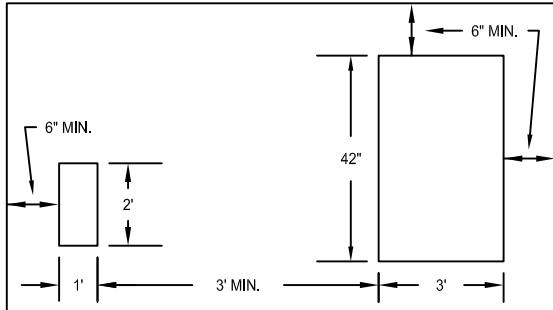
DRAWING 2

TYPICAL ABOVE GROUND APPURTENANCES



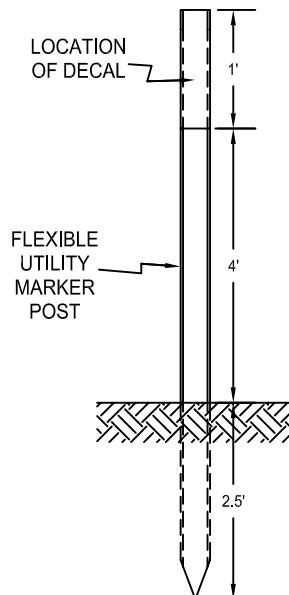
SMALL PEDESTAL DETAIL

TOP VIEW



LARGE PEDESTAL DETAIL

DECAL LAYOUT



WARNING SIGN

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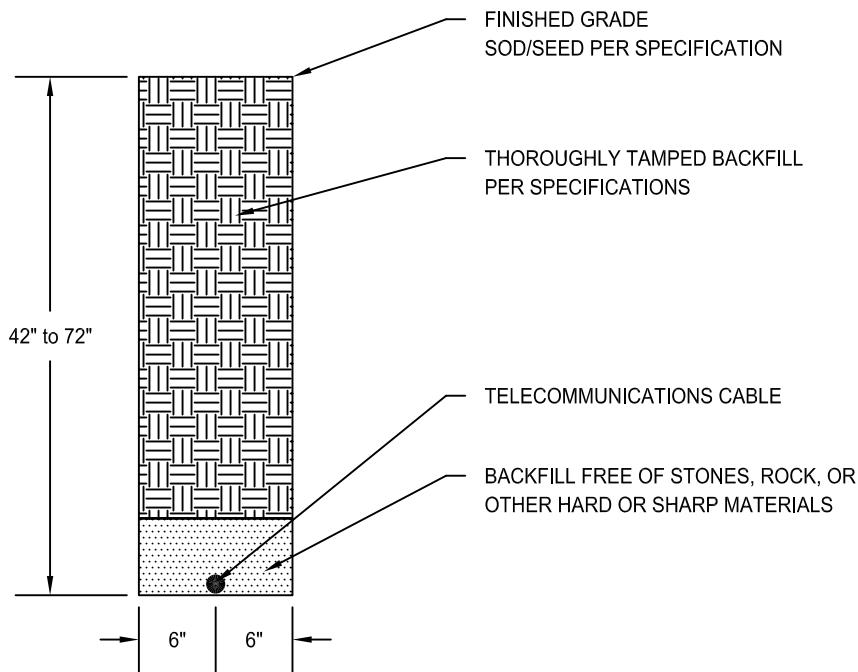


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Fax 701 862 3008
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| | |
|---------------|----------|
| Project No. | 18090302 |
| File Name | TRENCH |
| Drafted By | WZ |
| Drafted Date | 07/01/09 |
| As Built By | |
| As Built Date | |
| Revised By | |
| Revision Date | 11/19/09 |
| Scale | NTS |

DRAWING 3

TRENCHING AND SPECIAL CONSTRUCTION

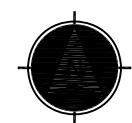


TYPICAL TRENCHING DETAIL

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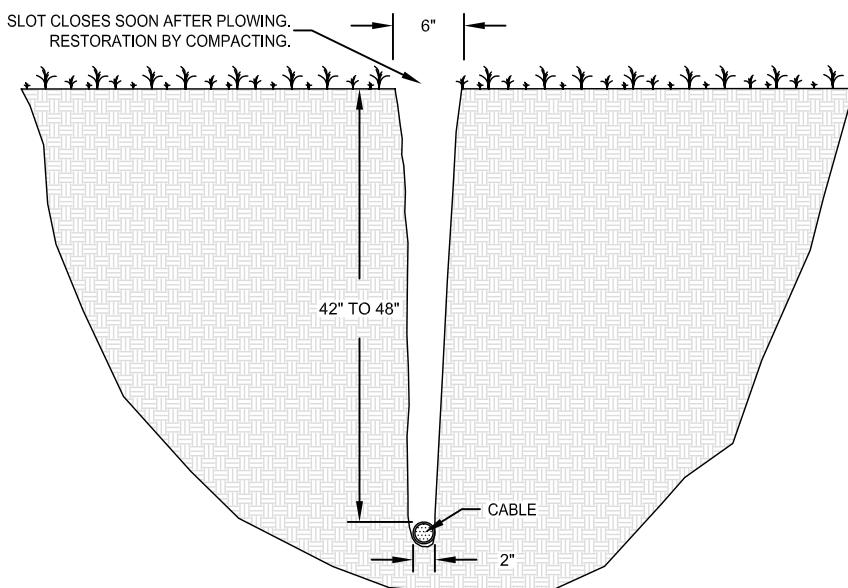
3 OF 4



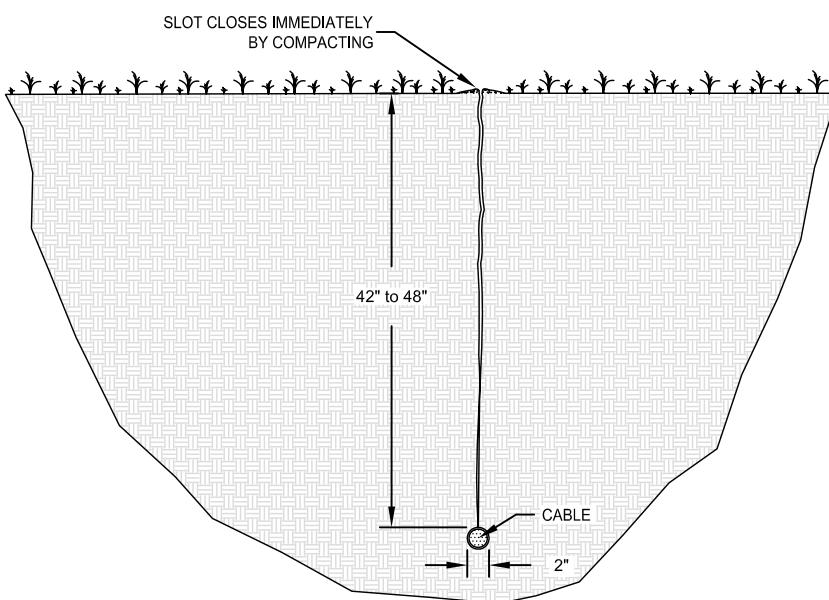
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Project No. 18090302
File Name PLOW_TRENCH
Drafted By DS
Drafted Date 03/09
As Built By
As Built Date
Revised By CLL
Revision Date 11/19/09
Scale NTS

DRAWING 4
TYPICAL PLOW METHOD



TYPICAL PLOW METHOD CABLE PLACEMENT

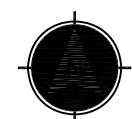


TYPICAL PLOW METHOD RESTORED

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Sheet Number

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Appendix B

| Exchange | Quad Name | Quad Number |
|-----------------|------------------|--------------------|
| Mandaree | Hay Flat | 47102e3 |
| Mandaree | Saddle Butte SW | 47102e4 |
| Mandaree | Mandaree SE | 47102e5 |
| Mandaree | Mandaree SW | 47102e6 |
| Mandaree | Lost Bridge | 47102e7 |
| Mandaree | Saddle Butte SW | 47102f3 |
| Mandaree | String Buttes | 47102f4 |
| Mandaree | Mandaree NE | 47102f5 |
| Mandaree | Mandaree | 47102f6 |
| Mandaree | Figure 4 Ranch | 47102f7 |
| Mandaree | Croff | 47102f8 |
| Mandaree | New Town SE | 47102g3 |
| Mandaree | New Town SW | 47102g4 |
| Mandaree | Sanish SE | 47102g5 |
| Mandaree | Sanish SW | 47102g6 |
| Mandaree | Blue Buttes SE | 47102g7 |
| New Town | New Town SE | 47102g3 |
| New Town | New Town SW | 47102g4 |
| New Town | Sanish SE | 47102g5 |
| New Town | Sanish SW | 47102g6 |
| New Town | Blue Buttes SE | 47102g7 |
| New Town | Shell Creek Bay | 47102h3 |
| New Town | New Town | 47102h4 |
| New Town | Sanish | 47102h5 |
| New Town | Sanish NW | 47102h6 |
| New Town | Blue Buttes | 47102h7 |
| New Town | Belden SE | 48102a3 |
| New Town | Belden SW | 48102a4 |
| New Town | Rat Lake SE | 48102a5 |
| New Town | Rat Lake SW | 48102a6 |
| New Town | Charlson | 48102a7 |

Appendix B

| Exchange | Quad Name | Quad Number |
|----------|--------------------|-------------|
| Parshall | Blackwater Lake NW | 47101f8 |
| Parshall | Makoti SW | 47101g8 |
| Parshall | Wabek | 47101h8 |
| Parshall | Raub | 47102f1 |
| Parshall | Raub NW | 47102f2 |
| Parshall | Saddle Butte | 47102f3 |
| Parshall | Parshall SE | 47102g1 |
| Parshall | Parshall SW | 47102g2 |
| Parshall | New Twn SE | 47102g3 |
| Parshall | Parshall NE | 47102h1 |
| Parshall | Parshall | 47102h2 |
| Parshall | Shell Creek Bay | 47102h3 |
| Parshall | Plaza | 48101a8 |
| Parshall | Plaza NW | 48101b8 |
| Parshall | Epwrth SE | 48102a1 |
| Parshall | Epwrth | 48102a2 |
| Parshall | Belden SE | 48102a3 |
| Parshall | Shell Lake | 48102b1 |
| Parshall | Epwrth NW | 48102b2 |
| Parshall | Belden | 48102b3 |
| Roseglen | Emmet SW | 47101e6 |
| Roseglen | Blackwater Lake SE | 47101e7 |
| Roseglen | Blackwater Lake SW | 47101e8 |
| Roseglen | Emmet | 47101f6 |
| Roseglen | Blackwater Lake | 47101f7 |
| Roseglen | Blackwater Lake NW | 47101f8 |
| Roseglen | Blue Hill | 47101g6 |
| Roseglen | Roseglen | 47101g7 |
| Roseglen | Makoti SW | 47101g8 |
| Roseglen | Raub SE | 47102e1 |
| Roseglen | Twin Buttes | 47102e2 |
| Roseglen | Raub | 47102f1 |
| Roseglen | Raub NW | 47102f2 |
| Roseglen | Parshall SE | 47102g1 |
| Roseglen | Parshall SW | 47102g2 |

Appendix B

| Exchange | Quad Name | Quad Number |
|-----------------|----------------------|--------------------|
| Squaw Gap | Roosevelt Creek East | 47103b5 |
| Squaw Gap | Roosevelt Creek West | 47103b6 |
| Squaw Gap | Hootowl Creek East | 47103b7 |
| Squaw Gap | Hootowl Creek West | 47103b8 |
| Squaw Gap | Hanks Gully | 47103c5 |
| Squaw Gap | Eagle Draw | 47103c6 |
| Squaw Gap | Trottters SE | 47103c7 |
| Squaw Gap | Trottters | 47103c8 |
| Squaw Gap | Ice Box Canyon | 47103d5 |
| Squaw Gap | Cinnamon Creek | 47103d6 |
| Squaw Gap | Flat Rock Butte | 47103d7 |
| Squaw Gap | Squaw Gap | 47103d8 |
| Squaw Gap | Red Wing Creek | 47103e5 |
| Squaw Gap | Burning Mine Butte | 47103e6 |
| Squaw Gap | Sheep Creek | 47103e7 |
| Squaw Gap | Phillip Spring | 47103e8 |
| Squaw Gap | Odlard Dam NE (MT) | 47104b1 |
| Squaw Gap | Skaar | 47104c1 |
| Squaw Gap | Parson Creek | 47104c2 |
| Squaw Gap | Savage SE | 47104c3 |
| Squaw Gap | Skaar NE (MT) | 47104d1 |
| Squaw Gap | Skaar NW (MT) | 47104d2 |
| Squaw Gap | Savage (MT) | 47104d3 |
| Squaw Gap | Sidney SE (MT) | 47104e1 |
| Squaw Gap | Piche (MT) | 47104e2 |
| Squaw Gap | Crane | 47104e3 |

Appendix C

North Dakota

County Occurrence of Endangered, Threatened and Candidate Species and Designated Critical Habitat

Billings County

Whooping Crane – Endangered
Black-footed Ferret - Endangered
Gray Wolf – Endangered

Dunn County

Interior Least Tern – Endangered
Whooping Crane – Endangered
Black-footed Ferret – Endangered
Pallid Sturgeon – Endangered
Gray Wolf – Endangered
Piping Plover – Threatened
Dakota Skipper – Candidate
Piping Plover – Designated Critical Habitat

Golden Valley County

Whooping Crane – Endangered
Black-footed Ferret - Endangered
Gray Wolf – Endangered

McKenzie County

Interior Least Tern – Endangered
Whooping Crane – Endangered
Black-footed Ferret – Endangered
Pallid Sturgeon – Endangered
Gray Wolf – Endangered
Piping Plover – Threatened
Dakota Skipper – Candidate
Piping Plover – Designated Critical Habitat

McLean County

Interior Least Tern – Endangered
Whooping Crane – Endangered
Pallid Sturgeon – Endangered
Gray Wolf – Endangered
Piping Plover – Threatened
Dakota Skipper – Candidate
Piping Plover – Designated Critical Habitat

Mountrail County

Interior Least Tern – Endangered
Whooping Crane – Endangered
Pallid Sturgeon – Endangered
Gray Wolf – Endangered
Piping Plover – Threatened
Dakota Skipper – Candidate
Piping Plover – Designated Critical Habitat

Appendix C

Montana

County Occurrence of Endangered, Threatened and Candidate Species and Designated Critical Habitat

Richland County

Pallid Sturgeon (*Scaphirhynchus albus*), Endangered

Piping Plover (*Charadrius melanotos*), Threatened and Designated Critical Habitat

Interior Least Tern (*Sterna antillarum athalassos*), Endangered

Whooping Crane (*Grus Americana*), Endangered

Wibaux County

Pallid Sturgeon (*Scaphirhynchus albus*), Endangered

Interior Least Tern (*Sterna antillarum athalassos*), Endangered

Whooping Crane (*Grus Americana*), Endangered

Appendix D

Species Reports

Listing Status Legend

| | |
|------|---|
| C | Candidate |
| DM | <i>Designation for acronym not listed with USF&WS</i> |
| E | Endangered |
| EXPN | Experimental Population, non-essential |
| RT | Relisted Threatened |
| SC | Proposed for Status Change |
| T | Threatened |
| UR | Former Candidate Species |

Species Reports

Environmental Conservation Online System

Species Report

[Return to the Query Form](#)

- States: ND
- Other Regions: Mountain-Prairie Region (6)
- Listings

| Listing Status | Count |
|----------------|-----------|
| C | 1 |
| DM | 3 |
| E | 5 |
| RT | 15 |
| SC | 23 |
| T | 2 |
| UR | 3 |
| Total | 52 |

Last updated: December 18, 2009

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Species Reports

Environmental Conservation Online System

Species Report

[Return to the Query Form](#)

- States: MT
- Other Regions: Mountain-Prairie Region (6)
- Listings

| Listing Status | Count |
|----------------|------------|
| C | 1 |
| DM | 4 |
| E | 6 |
| EXPN | 2 |
| RT | 45 |
| SC | 43 |
| T | 8 |
| UR | 10 |
| Total | 119 |

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Appendix E

Table of Contents

- Solicitation to THPO
- Response from THPO
- Solicitation to NDSHPO
- Response from NDSHPO
- ND List of Sites
- Response from MTSHPHO
- MT List of Sites

Kadrmas Lee & Jackson

Engineers Surveyors
Planners

December 18, 2009

Mr. Perry "No Tears" Brady
Tribal Historic Preservation Officer
Three Affiliated Tribes
404 Frontage Road
New Town, ND 58763

RE: Review of ARRA Broadband Infrastructure Project

Dear Mr. Brady,

KL&J has been asked to initiate the Section 106 review process on behalf of Reservation Telecom for the ARRA Broadband Infrastructure Project. The proposed project is the installation of approximately 977 miles of new telecommunications cable along existing the right-of-way (ROW) of local, county, and state roadways. The project is located in Billings, McKenzie, Golden Valley, Mountrail, and McLean Counties, North Dakota. A large portion of the undertaking is located within Fort Berthold Reservation in McKenzie, McLean, and Mountrail Counties.

1. The proposed undertaking is under the jurisdiction of the United States Department of Agriculture-Rural Utilities Service (USDA-RUS). They are the lead federal agency for this project. The contact at the USDA-RUS is Mr. Wayne Algren.

Wayne Algren
USDA-RUS
4825 East Roundup Road
Bismarck, North Dakota 58503-8923
(701) 258-7508 office
(800) 485-4410 voicemail
wayne.algren@usda.gov

2. There is no applicable state agency.
3. The consultant for this project is Mr. Lanny Harris:

Mr. Lanny Harris, PE
Kadrmas, Lee, and Jackson, Inc.
3237 East Broadway
Bismarck, North Dakota 58502
(701) 355-8419 office
(701) 400-4019 cell
lanny.harris@kljeng.com

4. The proposed undertaking consists of the construction of additional segments of telecommunications cable totaling approximately 977 miles. It is planned to place the cable within existing road ROW ditches in an effort to avoid impacting known and unknown cultural resources. The cable will be placed in the ground using tractor-crawler and friction-type plow blade, creating soil disturbances approximately 1.21 m (48 inches) deep and 152.43 mm (6 inches) wide. The construction will take place within previously disturbed areas. The impacted construction corridor is 7.75m

701 355 8400

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Kadrmas, Lee & Jackson, Inc.

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to 15.24 m (25 to 50 feet) in width, although construction may be altered periodically by obstacles, or for the placement of above ground appurtenances. Restoration of the construction area will consist of compacting the cable plow slot. Every effort has been made to avoid water crossings, however when such crossings are required the method used by order of preference will be: (a) directly bury using the cable plow - this method is not used if bank destabilization is likely, (b) directional boring under the waterway, or (c) attaching to bridges or other in place support structures.

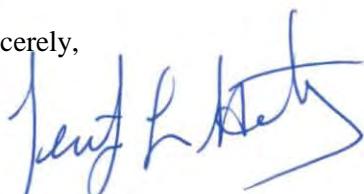
Above ground appurtenances will consist of wooden poles, metal pedestals, and signage-which are required for access and to identify the buried facilities. The appurtenances are usually located on ROW lines for easy access and to avoid property obstructions. These appurtenances are normally installed using a trenching method. Poles will be nominally 3.05 m (10 feet) by 203.25 mm (8 inches) in diameter. Approximately 1.83 m (6 feet) of the pole will stand above the finished grade. Metal pedestals will nominally have an outside dimension of 0.91 m (36 inches) by 0.61 m (24 inches) by 0.31 (12 inches). A larger size metal pedestal is occasionally required; the maximum size of the larger pedestals will be 1.83 m (72 inches) by 0.91 m (36 inches) by 1.06 m (42 inches). Trenching is a method of excavation normally required for installing above ground appurtenances, and for crossing roadways or other buried utility services such as, water and gas lines. The trenching machine creates a disturbance approximately 0.91 m to 1.83 m (36 to 72 inches) deep by 0.30 m (12 inches) wide. Where trenching is performed restoration will consist of suitable backfilling and compaction techniques as necessary, and reseeding of natural prairie grasses if required.

5. The area of potential effect for the proposed undertaking is limited to the construction footprint, as the cable will be placed underground. The identification process for compliance with the Section 106 was a Class I Literature Review. This was deemed reasonable given the limited APE and the location of the proposed undertaking (within the ROW of local roads). KL&J archaeologists conducted the literature review of the SHSND site and manuscript files. This data has also been supplied to the project design engineer, and it is our understanding that they plan to avoid all of the unevaluated, recommended eligible, or NRHP listed properties within the APE of the proposed undertaking. In general, railroads will be avoided in one of two ways, either through directional boring that begins and ends 50 feet from centerline on either side of the track, or by proceeding through existing structures such as culverts or ducts.

A finding of *No Historic Properties Affected* is being recommended for the proposed undertaking as mapped and described herein because all of the known cultural resources noted during the Class I Literature Review will be avoided by the proposed undertaking and because the proposed undertaking will be constructed in existing previously disturbed areas within road ditches.

Attached are maps of the project corridor and previously recorded sites. If I can provide further information, please feel free to contact me at (701)250-5912 or on my cell phone at (701)202-7066, or by email jennifer.harty@kljeng.com

Sincerely,



Jennifer L. Harty
Archaeologist/Principal Investigator

Enclosures

CC: Lanny Harris, KL&J



TRIBAL HISTORIC PRESERVATION

Mandan Hidatsa Arikara
Perry 'No Tears' Brady, Director.
404 Frontage Road,
New Town, North Dakota 58763
Ph/701-862-2474 fax/701-862-2490
pbrady@mhanation.com

Jennifer Harty, staff Archeologist
Kadrmas Lee & Jackson
128 Soo Line Dr
Bismarck, ND 58501

Jennifer:

Based on the knowledge the upcoming **ARRA Broadband infrastructure Project, # 18090302** will be 100% entirely within the right-of-way of existing roadways on the Ft. Berthold reservation, the Tribal Historic Preservation Office *positively concurs* with the findings of KL&J and has the following comments for submission:

If previously recorded sites are within fifty (50) feet of the Project, the THPO reserves the right to revisit these previously recorded sites for evaluation.

If there is a danger the Project may impact heretofore unrecorded traditional cultural Properties, the THPO requires avoidance or mitigation of the TCP's in the proposed project route.

Please contact myself or Pete Coffey for any further questions or comments at your convenience.

Sincerely:


Perry Brady, THPO

Kadrmas Lee & Jackson

Engineers Surveyors
Planners

December 18, 2009

Mr. Paul Picha
North Dakota State Historical Society
612 East Boulevard Avenue
Bismarck, ND 58505

RE: Review of ARRA Broadband Infrastructure Project

Dear Mr. Picha,

KL&J has been asked to initiate the Section 106 review process on behalf of Reservation Telecom for the ARRA Broadband Infrastructure Project. The proposed project is the installation of approximately 977 miles of new telecommunications cable along existing the right-of-way (ROW) of local, county, and state roadways. The project is located in Billings, McKenzie, Golden Valley, Mountrail, and McLean Counties, North Dakota. A large portion of the undertaking is located within Fort Berthold Reservation. KL&J has consulted with the THPO from Fort Berthold for those portions located on Tribal lands.

1. The proposed undertaking is under the jurisdiction of the United States Department of Agriculture-Rural Utilities Service (USDA-RUS). They are the lead federal agency for this project. The contact at the USDA-RUS is Mr. Wayne Algren.

Wayne Algren
USDA-RUS
4825 East Roundup Road
Bismarck, North Dakota 58503-8923
(701) 258-7508 office
(800) 485-4410 voicemail
wayne.algren@usda.gov

2. There is no applicable state agency.
3. The consultant for this project is Mr. Lanny Harris:

Mr. Lanny Harris, PE
Kadrmas, Lee, and Jackson, Inc.
3237 East Broadway
Bismarck, North Dakota 58502
(701) 355-8419 office
(701) 400-4019 cell
lanny.harris@kljeng.com

4. The proposed undertaking consists of the construction of additional segments of telecommunications cable totaling approximately 977 miles. It is planned to place the cable within existing road ROW ditches in an effort to avoid impacting known and unknown cultural resources. The cable will be placed in the ground using tractor-crawler and friction-type plow blade, creating soil disturbances approximately 1.21 m (48 inches) deep and 152.43 mm (6 inches) wide. The construction will take place within previously disturbed areas. The impacted construction corridor is 7.75m

701 355 8400

128 Soo Line Drive

PO Box 1157

Bismarck, ND 58502-1157

Fax 701 355 8491

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to 15.24 m (25 to 50 feet) in width, although construction may be altered periodically by obstacles, or for the placement of above ground appurtenances. Restoration of the construction area will consist of compacting the cable plow slot. Every effort has been made to avoid water crossings, however when such crossings are required the method used by order of preference will be: (a) directly bury using the cable plow - this method is not used if bank destabilization is likely, (b) directional boring under the waterway, or (c) attaching to bridges or other in place support structures.

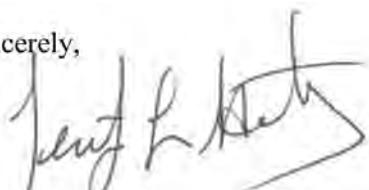
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A finding of *No Historic Properties Affected* is being recommended for the proposed undertaking as mapped and described herein because all of the known cultural resources noted during the Class I Literature Review will be avoided by the proposed undertaking and because the proposed undertaking will be constructed in existing previously disturbed areas within road ditches.

If I can provide further information, please feel free to contact me at (701)250-5912 or on my cell phone at (701)202-7066, or by email jennifer.harty@kljeng.com

Sincerely,



Jennifer L. Harty
Archaeologist/Principal Investigator

Enclosures

CC: Lanny Harris, KL&J



STATE
HISTORICAL
SOCIETY
OF NORTH DAKOTA

John Hoeven
Governor of North Dakota

North Dakota
State Historical Board

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Merlan E. Paaverud, Jr.
Director

Accredited by the
American Association
of Museums

December 22, 2009

Mr. Wayne Algren
USDA-RUS
4825 East Roundup Road
Bismarck ND 58503-8923

ND SHPO Ref.: 10-0405 RUS/Reservation Telecom ARRA 2009 grant request
Broadband Infrastructure Project in Billings, McKenzie, Golden Valley,
Mountrail and McLean Counties, North Dakota

Dear Mr. Algren,

We received ND SHPO Ref.: 10-0405 RUS/Reservation Telecom ARRA 2009 grant request Broadband Infrastructure Project in Billings, McKenzie, Golden Valley, Mountrail and McLean Counties, North Dakota and here are responses to the specific questions requested:

1. Is the proposed project located on, within or adjacent to any properties listed in or eligible for listing in the National Register of Historic Places? Is the proposed project located on, within, or adjacent to a National Historic Landmark? If the answer is yes, describe and indicate the geographic relationship between the project and property with maps. In order to accurately provide comment on this question, this office (ND SHPO) requests that Reservation Telecom hire a private cultural resource consultant to perform a Class I Cultural Resource Inventory (Class I CRI, file search) of the proposed construction areas for the Area of Potential Effect, per guidance found in "NDSHPO Guidelines for Cultural Resource Surveys," available online. This file search is underway by Kadrmas Lee and Jackson of Bismarck, North Dakota. The findings of this Class I CRI search should be submitted to ND SHPO for further review and comment prior to construction. It is not likely the Class I search of the proposed construction area and our agency's comments can be provided within the allotted time of the application. Because of this, we offer the following general comments. If construction takes place in previously disturbed road right-of-way, it would be unlikely that this construction would have any effect on sites that could be listed in or eligible for the National Register of Historic Places, or would be considered a National Historic Landmark, and

thus it is likely that there would be no historic properties affected by this project. Further Class III survey (pedestrian) may be required, pending review of the Class I inventory. We would ask that after the Class I survey has been performed and provided for our review, that the telco would agree to follow our recommendations on cable placement or routing in order to avoid any potential harm to possible historic sites that are found during the records search or Class III (pedestrian) survey.

2. Will the proposed project impact, use or alter a building or structure that was constructed more than 50 years ago? If so, describe the building/structure with a statement of its condition, including photographs, and document of its age. **The Class I inventory has not uncovered any standing structures older than 50 years in the Area of Potential Effect. If any are discovered during the Class II (reconnaissance) survey, they should be surveyed and evaluated.**
3. Is any portion of the project located on tribal lands, meaning lands within the exterior boundaries of any Indian reservation and all dependent Indian communities? **The proposed construction area is mostly in the Fort Berthold Indian Reservation, Mandan Hidatsa Arikara Nation. It may go near the Trenton Indian Service Area in Williams County.**
4. Applicants must provide SHPO/THPO response/information to these questions including any correspondence with the SHPO/THPO, as applicable. **The North Dakota State Historic Office (NDSHPO) has been consulted by letter correspondence. We request that a Class I Cultural Resource Inventory be completed of the Area of Potential Effect, and submitted for review. The NDSHPO Reference number for the project is 10-0405.**

Thank you for the opportunity to review this project to date. We look forward to review of the Class I record search and comments. Please include the ND SHPO Reference number listed above in further correspondence for this specific project. If you have any questions please contact Susan Quinnell, Review and Compliance Coordinator at (701) 328-3576.

Sincerely,



Merlan E. Paaverud, Jr.

State Historic Preservation Officer

(North Dakota) and

Director, State Historical Society of North Dakota

| Twp | Rng | Sec | SITS | Site_Type | Recorder | NRHP |
|-----|-----|-----|----------|--|---|------|
| 142 | 102 | 3 | 32BI711 | Archaeological - CMS | Christensen, Persinger & Scott, 1989 | U |
| 143 | 101 | 6 | 32BI792 | Archaeological - Hearth | Borchert & Klinner, 1991 | NE |
| 143 | 102 | 2 | 32BI377 | Archaeological - CMS | Floodman, 1983 | NE |
| 143 | 102 | 2 | 32BI841 | Historical - CMS, Depression | Borchert & Blikre, 1993 | U |
| 143 | 102 | 2 | 32BI844 | Archaeological - CMS | Borchert & Blikre, 1993 | U |
| | | | | | | |
| 143 | 102 | 3 | 32BI778 | Archaeological - CMS, Pit, Rock Shelther | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI761 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI762 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI763 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI764 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI765 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI766 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI767 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI768 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI779 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI780 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 143 | 102 | 4 | 32BI8 | Historical - Elkhorn Ranch | No Name, No Date | E |
| 143 | 102 | 5 | 32BI8 | Historical - Elkhorn Ranch | No Name, No Date | E |
| 143 | 102 | 5 | 32BI878 | Historical - CMS, Foundation | Floodman, 1999 | NE |
| 143 | 102 | 8 | 32BI306 | Archaeological - Quarry | Murphy & Moore, 1981 | U |
| 143 | 104 | 12 | 32GV266 | Archaeological - CMS | Heiner, 2005 | U |
| 143 | 105 | 20 | 32GV160 | Archaeological - CMS | McCarthy, 1991 | NE |
| 143 | 105 | 27 | 32GV186 | Architectural - Bridge | No Name, No Date | NE |
| 143 | 105 | 33 | 32GV25 | Archaeological - CMS | Logan, 1980 | U |
| 144 | 101 | 30 | 32BI305 | Archaeological - CMS | Floodman, 1981 | U |
| 144 | 101 | 30 | 32BI406 | Archaeological - CMS, Hearth | Metcalf, 1984 | NE |
| 144 | 101 | 31 | 32BI356 | Archaeological - CMS | Floodman, 1983 | U |
| 144 | 102 | 4 | 32BI277 | Historical - CMS, Depression | Floodman, 1981 | NE |
| 144 | 102 | 4 | 32BI412 | Archaeological - CMS | Borchert, 1084 | U |
| 144 | 102 | 4 | 32BI423 | Archaeological - CMS, SC, Hearth | Borchert & Kuehn, 1985; Kuehn, 1986 | E |
| | | | | | Klinner & Borchert, 1989; Kuehn & Klinner, 1990 | |
| 144 | 102 | 4 | 32BI750 | Archaeological - CMS | Klinner, 1990 | U |
| | | | | | | |
| 144 | 102 | 6 | 32BI1073 | Archaeological - C, Eagle Trapping Pit | Floodman, 2009 | E |
| | | | | | Stanley, Haskell & Montgomery, 1981; | |
| 144 | 102 | 7 | 32BI279 | Archaeological - CMS | Klinner, 1996 | U |
| 144 | 102 | 7 | 32BI345 | Archaeological - CMS | Enders & Radford, 1982 | U |
| 144 | 102 | 7 | 32BI346 | Archaeological - CMS | Metcalf, Enders & Radford, 1982 | U |
| 144 | 102 | 7 | 32BI348 | Archaeological - CMS, Hearth | Radford, 1982 | U |
| 144 | 102 | 8 | 32BI347 | Archaeological - CMS, Hearth | Radford, 1982 | U |
| 144 | 102 | 15 | 32BI272 | Archaeological - CMS, Hearth, Pit | Floodman, 1981 | U |
| 144 | 102 | 16 | 32BI760 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 144 | 102 | 20 | 32BI879 | Historical - CMS, Depression | Floodman, 1999 | NE |
| 144 | 102 | 21 | 32BI1061 | Archaeological - CMS | Toom, et.al., 2008 | U |
| 144 | 102 | 21 | 32BI1063 | Historical - CMS, Rock Art | Toom, et.al., 2008 | U |
| 144 | 102 | 21 | 32BI1068 | Archaeological - CMS | Jackson, et.al., 2008 | U |
| 144 | 102 | 23 | 32BI233 | Archaeological - Rock Feature | Floodman & Maul, 1981 | U |
| 144 | 102 | 23 | 32BI53 | Archaeological - CMS | Jesen, 1980 | U |
| 144 | 102 | 25 | 32BI950 | Archaeological - Pit | Turck, 2004 | U |
| 144 | 102 | 27 | 32BI1064 | Historical - CMS, Foundation | Jackson, et.al., 2008 | U |
| 144 | 102 | 27 | 32BI1066 | Archaeological - CMS | Jackson, et.al., U | U |
| 144 | 102 | 27 | 32BI957 | Archaeological - CMS | Stine & Kulevsky, 2005 | U |
| 144 | 102 | 32 | 32BI758 | Archaeological - CMS | Oliver & Peterson, 1990 | U |

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|-----|-----|-------------------|----------|---|--|----|
| 144 | 102 | 33 | 32BI1065 | Archaeological - 2 Rock Features | Jackson, et.al., 2008 | U |
| 144 | 102 | 33 | 32BI1069 | Archaeological - CMS | Jackson, et.al., 2008 | U |
| 144 | 102 | 34 | 32BI1077 | Archaeological - CMS | Bluemle, 2009 | NE |
| 144 | 102 | 34 | 32BI842 | Archaeological - CMS | Borchert & Blikre, 1993; Jackson, et.al., 2008 | U |
| 144 | 102 | 34 | 32BI843 | Archaeological - CMS | Borchert & Blikre, 1993; Jackson, et.al., 2008 | U |
| 144 | 102 | 36 | 32BI1011 | Archaeological - 2 Eagle Trapping Pits | Floodman, 2007 | U |
| 144 | 102 | 15, 16 | 32BI759 | Archaeological - CMS | Kuehn & Klinner, 1990 | U |
| 144 | 102 | 21, 22, 27, | 32BI1067 | Historical - Survey Marker | Jackson, 2008 | U |
| 144 | 103 | 2 | 32GV282 | Archaeological - CMS | Pollman, 2007 | U |
| 144 | 103 | 8 | 32GV192 | Historical - CMS | Loendorf, 1992 | U |
| 144 | 103 | 15 | 32GV283 | Archaeological - CMS | Pollman, 2007 | U |
| 144 | 103 | 20 | 32GV233 | Archaeological - CMS | Philipek, 1978 | U |
| 144 | 103 | 22 | 32GV77 | Archaeological - CMS | Kuehn, 1984 | NE |
| 144 | 103 | 32 | 32BI8 | Historical - Elkhorn Ranch | No Name, No Date | E |
| 144 | 103 | 32 | 32GV151 | Archaeological - CMS | Sanders, 1990 | NE |
| 144 | 103 | 32 | 32GV152 | Archaeological - CMS | Sanders, 1990 | U |
| 144 | 103 | 33 | 32BI8 | Historical - Elkhorn Ranch | No Name, No Date | E |
| 144 | 104 | 2 | 32GV280 | Archaeological - CMS | Heiner, 2006 | U |
| 144 | 104 | 6 | 32GV27 | Architectural - Post Office | Dahlberg, 1980 | U |
| 144 | 104 | 30 | 32GV21 | Historical - Dugout home | Jones, 1980 | U |
| 144 | 105 | 1 | 32GV238 | Architectural - Church | Bentley, 1999 | U |
| 144 | 105 | 17 | 32GV221 | Archaeological - CMS | Lahren, 1978 | U |
| 144 | 105 | 24 | 32GV26 | Archaeological - CMS | Logan & Krieg, 1980; Pollman, 2007 | U |
| 144 | 105 | 26 | 32GV281 | Archaeological - CMS | Pollman, 2007 | U |
| 145 | 102 | 28 | 32MZ555 | Historical - CMS, Depression, Machinery | Persinger, 1981 | U |
| 145 | 102 | 32 | 32MZ1276 | Archaeological - CMS | Stine, 1996 | U |
| 145 | 102 | 32 | 32MZ1277 | Archaeological - CMS | Stine, 1996 | U |
| 145 | 102 | 34 | 32MZ556 | Archaeological - CMS | Persinger, 1981 | NE |
| 145 | 102 | 34 | 32MZ557 | Archaeological - CMS | Persinger, 1981 | U |
| 145 | 102 | 34 | 32MZ558 | Archaeological - CMS | Persinger, 1981 | U |
| 145 | 103 | 2 | 32MZ927 | Archaeological - CMS | Kuehn, 1988 | NE |
| 145 | 103 | 2 | 32MZ928 | Archaeological - CMS | Kuehn, 1988 | NE |
| 145 | 103 | 10 | 32MZ1283 | Archaeological - CMS | Haakenson, 1996 | U |
| 145 | 103 | 10 | 32MZ1284 | Archaeological - CMS | Pool, 1996 | U |
| 145 | 103 | 10 | 32MZ1286 | Archaeological - CMS | Pool, 1996 | U |
| 145 | 103 | 10 | 32MZ224 | Archaeological - CMS | Murray, 1981; Pool, 1996 | E |
| 145 | 103 | 10 | 32MZ261 | Archaeological - CMS | Lahren, 1978; Pool, 1996 | E |
| 145 | 103 | 14 | 32MZ1280 | Archaeological - CMS | Scott, 1996 | U |
| 145 | 103 | 14 | 32MZ258 | Archaeological - CMS | Lahren, 1978; Pool, 1996 | U |
| 145 | 103 | 17 | 32MZ264 | Archaeological - CMS | Lahren, 1978 | U |

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|-----|-----|------------------|----------|--|--|----|
| 145 | 103 | 18 | 32MZ1011 | Historical - Homestead | Kuehn, 1984; Heiner & Harty, 2007 | NE |
| 145 | 103 | 18 | 32MZ19 | Historical - CMS, Depression, Trail | Simon, 1979 | U |
| 145 | 103 | 18 | 32MZ265 | Archaeological - CMS | Lahren, 1978 | NE |
| 145 | 103 | 18 | 32MZ266 | Archaeological - CMS | Lahren, 1978 | E |
| 145 | 103 | 18 | 32MZ267 | Archaeological - CMS | Lahren, 1979 | E |
| 145 | 103 | 19 | 32MZ1426 | Archaeological - CMS, 2 SC | Floodman, 1998; Harty, 2007 | U |
| 145 | 103 | 19 | 32MZ1815 | Archaeological - CMS | Heiner, 2006 | U |
| 145 | 103 | 19 | 32MZ270 | Archaeological - CMS | Lahren, 1978; Floodman, 1991 | NE |
| 145 | 103 | 19 | 32MZ569 | Archaeological - CMS | Dahms & Wedel, 1981 | NE |
| 145 | 103 | 19 | 32MZ570 | Archaeological - CMS | Dahms & Wedel, 1981 | E |
| 145 | 103 | 19 | 32MZ571 | Archaeological - CMS | Volk, 1981 | NE |
| 145 | 103 | 19 | 32MZ902 | Archaeological - CMS | Floodman, 1988; Harty & Heiner, 2007 | U |
| 145 | 103 | 20 | 32MZ1814 | Archaeological - CMS, Hearth | Heiner, 2006 | U |
| 145 | 103 | 20 | 32MZ616 | Archaeological/Historical - CMS | Sheldon, 1982; Borchert, 1989; Floodman, 1991, 1998; Harty, 2007 | U |
| 145 | 103 | 27 | 32MZ1567 | Archaeological - CMS | Floodman, 2002 | U |
| 145 | 103 | 28 | 32MZ1004 | Archaeological - CMS | Borchert, 1989 | NE |
| 145 | 103 | 28 | 32MZ1813 | Archaeological - CMS | Heiner, 2006 | U |
| 145 | 103 | 29 | 32MZ572 | Archaeological - CMS | Dahms & Wedel, 1981 | NE |
| 145 | 103 | 29 | 32MZ606 | Archaeological - CMS | Dahms, Wedel, & Campbell, 1981; Harty, 2007 | NE |
| 145 | 103 | 29 | 32MZ607 | Archaeological - CMS | Campbell & Wedel, 1981 | NE |
| 145 | 103 | 29 | 32MZ628 | Archaeological - CMS | Newberry & Gregory, 1982 | E |
| 145 | 103 | 30 | 32MZ420 | Archaeological - CMS | Fox, 1978; Floodman, 1998, Harty & Heiner, 2007 | U |
| 145 | 103 | 30 | 32MZ426 | Archaeological - CMS | Loendorf, 1978; Peterson & Klinner, 1989; Floodman, 1998; Harty & Heiner, 2007 | U |
| 145 | 103 | 10, 11, 14 | 32MZ260 | Archaeological - CMS | Lahren, 1978; Pool & Haakenson, 1996 | E |
| 145 | 103 | 3, | 32MZ1281 | Archaeological - CMS | Pool, 1996 | U |
| 145 | 103 | 9, 10 | 32MZ262 | Archaeological - CMS, SC | Lahren, 1978; Scott, 1996 | U |
| 145 | 104 | 1 | 32MZ1811 | Archaeological - CMS | Heiner, 2006 | U |
| 145 | 104 | 1 | 32MZ225 | Archaeological - CMS | Keyser, 1978 | NE |
| 145 | 104 | 1 | 32MZ451 | Archaeological - C | Simon, 1978 | U |
| 145 | 104 | 1 | 32MZ617 | Archaeological - CMS, 2 Hearth | Metcalf, 1982; Harty & Heiner, 2007 | E |
| 145 | 104 | 5 | 32MZ1191 | Archaeological - CMS | Borchert & Blikre, 1993 | U |
| 145 | 104 | 5 | 32MZ1848 | Historical - CMS, Depression, Foundation | Floodman, 2008 | NE |
| 145 | 104 | 6 | 32MZ1399 | Archaeological - CMS | Floodman, 1998 | NE |

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|-----|-----|----|----------|---|---|----|
| 145 | 104 | 6 | 32MZ1400 | Archaeological - CMS | Floodman, 1998 | U |
| 145 | 104 | 6 | 32MZ1401 | Archaeological - CMS | Floodman, 1998 | U |
| 145 | 104 | 12 | 32MZ1199 | Archaeological/Historical - CMS/Homestead | Borchert & Wermers, 1993; Floodman, 1998 | U |
| 145 | 104 | 12 | 32MZ1808 | Historical - Depression | Harty, 2006 | NE |
| 145 | 104 | 12 | 32MZ1809 | Historical - CMS, Depression | Harty, 2006 | NE |
| 145 | 104 | 13 | 32MZ1429 | Archaeological - CMS | Floodman, 1998; Harty, 2007 | U |
| 145 | 104 | 13 | 32MZ1812 | Archaeological - CMS | Heiner, 2006 | U |
| 145 | 104 | 13 | 32MZ268 | Archaeological - CMS | Lahren, 1978 | E |
| 145 | 104 | 13 | 32MZ269 | Archaeological - CMS | Lahren, 1978; Savini, 1987; Harty & Morrison, 2007 | U |
| 145 | 104 | 22 | 32MZ1425 | Historical - CMS, Depression | Floodman, 1998 | NE |
| 145 | 104 | 24 | 32MZ1062 | Archaeological - CMS | Floodman, 1991; Heiner & Harty, 2007 | U |
| 145 | 104 | 24 | 32MZ59 | Historical - Homestead | Ford & Waitkus, 1979; McCoy, 1979; Borchert & Wermers, 1990 | U |
| 145 | 104 | 26 | 32MZ271 | Archaeoleogical - Occupation site | Lahren, 1978; Floodman, 1998 | U |
| 145 | 104 | 27 | 32MZ325 | Archaeological - CMS | Logan & good, 1980 | U |
| 145 | 104 | 32 | 32MZ1081 | Historical - Bridge | Floodman, 1991 | NE |
| 145 | 104 | 34 | 32MZ326 | Archaeological - CMS | Krieg & Good, , 1980 | U |
| 145 | 105 | 1 | 32MZ1036 | Archaeological - CMS | Floodman, 1990 | NE |
| 145 | 105 | 2 | 32MZ1643 | Historical - CMS, Depression | Floodman, 2004 | NE |
| 145 | 105 | 12 | 32MZ1116 | Architectural - Bridge | Hufstetler & Martin, 1991 | E |
| 145 | 105 | 12 | 32MZ1398 | Historical - 3 C | Floodman, 1998 | U |
| 145 | 105 | 14 | 32MZ1500 | Historical - Homestead | Floodman, 2001 | NE |
| 145 | 105 | 14 | 32MZ1501 | Historical - Homestead | Floodman, 2001 | NE |
| 145 | 105 | 22 | 32MZ1424 | Historical - Homestead | Floodman, 1998 | NE |
| 145 | 105 | 25 | 32MZ1131 | Historical - Bridge | Floodman, 1992 | NE |
| 145 | 105 | 22 | 32MZ1130 | Historical - Bridge | Floodman, 1992 | NE |
| 146 | 101 | 6 | 32MZ37 | Archaeological - CMS, Hearth | Simon & Borchert, 1979 | U |
| 146 | 101 | 7 | 32MZ1215 | Archaeological - Eagle Trapping Pit | Floodman, 1994 | E |
| 146 | 101 | 7 | 32MZ1216 | Archaeological - Eagle Trapping Pit | Floodman, 1994 | E |
| 146 | 101 | 7 | 32MZ1217 | Archaeological - Eagle Trapping Pit | Floodman, 1994 | E |
| 146 | 101 | 8 | 32MZ1197 | Archaeological - CMS | Borchert & Wermers, 1993 | U |

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|-----|-----|----|----------|---|--|----|
| 146 | 102 | 4 | 32MZ204 | Archaeological - CMS | Snortland-Coles, 1979 | U |
| 146 | 102 | 4 | 32MZ499 | Archaeological - CMS | Harnell, Ramsay & Kuehn, 1981; Borchert & Blikre, 1993 | E |
| 146 | 102 | 4 | 32MZ861 | Historical - Homestead | Floodman, 1987 | NE |
| 146 | 102 | 10 | 32MZ1150 | Archaeological/Historical - CMS/Homestead | Floodman, 1992 | U |
| 146 | 102 | 10 | 32MZ706 | Archaeological - CMS | Floodman, 1984 | U |
| 146 | 102 | 10 | 32MZ707 | Archaeological - C | Floodman, 1984 | NE |
| 146 | 102 | 14 | 32MZ1238 | Archaeological - CMS | Klinner, 1995 | U |
| 146 | 103 | 10 | 32MZ30 | Archaeological - CMS | Allen, 1979; Borchert & Blikre, 1993 | E |
| 146 | 103 | 18 | 32MZ1198 | Historical - Homestead | Borchert & Wermers, 1993 | NE |
| 146 | 103 | 20 | 32MZ1065 | Archaeological - CMS | Floodman, 1991; Johnson, 1996 | U |
| 146 | 103 | 20 | 32MZ161 | Archaeological - CMS | Simon & Borchert, 1980; Highland, 1998 | U |
| 146 | 103 | 33 | 32MZ1282 | Archaeological - CMS | Scott & Haakenson, 1996 | U |
| 146 | 103 | 35 | 32MZ1442 | Archaeological - CMS | Highland, 1998 | U |
| 146 | 103 | 35 | 32MZ929 | Archaeological - CMS | Kuehn, 1988 | NE |
| 146 | 104 | 15 | 32MZ185 | Archaeological - CMS | Newberry, 1980 | U |
| 146 | 104 | 20 | 32MZ1343 | Historical - CMS, Depression | Klinner, 1997 | NE |
| 146 | 104 | 20 | 32MZ189 | Archaeological - CMS | Floodman, 1980 | U |
| 146 | 104 | 25 | 32MZ1403 | Historical - Rock Art | Floodman, 1998 | E |
| 146 | 104 | 29 | 32MZ35 | Archaeological - CMS | Muceus & Lawrence, 1979 | U |
| 146 | 104 | 33 | 32MZ1402 | Archaeological - CMS | Floodman, 1998 | U |
| 146 | 105 | 35 | 32MZ1597 | Historical - Homestead | Floodman, 2003 | NE |
| 147 | 86 | 7 | 32ML480 | Archaeological - CMS, SC, Hearth | Lueck, 1989 | U |
| 147 | 86 | 7 | 32ML481 | Archaeological - CMS | Lueck, 1989 | U |
| 147 | 86 | 7 | 32ML482 | Archaeological - CMS | Lueck, 1989 | U |
| 147 | 86 | 7 | 32ML483 | Archaeological - 2 C | Lueck, 1989 | U |
| 147 | 86 | 7 | 32ML491 | Archaeological - CMS | Lueck, 1989 | U |
| 147 | 86 | 7 | 32ML492 | Archaeological - 10 SC, C | Lueck, 1989 | U |
| 147 | 86 | 7 | 32ML494 | Archaeological - 33+ SC, 4 C | Lueck, 1989 | U |
| 147 | 86 | 7 | 32ML79 | Archaeological - CMS | Logan, Kinney & Dahlberg, 1982 | U |
| 147 | 87 | 5 | 32ML95 | Archaeological - 12 SC, C | Logan & Logan, 1982 | U |
| 147 | 87 | 7 | 32ML416 | Archaeological - 15 SC, 7 C | Lippincott, 1989 | U |
| 147 | 87 | 7 | 32ML417 | Archaeological - CMS | Lippincott, 1989 | U |
| 147 | 87 | 7 | 32ML418 | Archaeological - 9 SC, 3 C | Lippincott, 1989 | U |
| 147 | 87 | 7 | 32ML419 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 7 | 32ML420 | Archaeological - 4 SC | Lippincott, 1989 | U |
| 147 | 87 | 7 | 32ML421 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 87 | 7 | 32ML422 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 87 | 7 | 32ML437 | Archaeological/Historical - 8 SC/2 Graves | Lippincott, 1989 | U |
| 147 | 87 | 8 | 32ML423 | Archaeological - 2 C | Lippincott, 1989 | U |
| 147 | 87 | 8 | 32ML424 | Archaeological - CMS, 4 SC | Lippincott, 1989 | U |
| 147 | 87 | 8 | 32ML425 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 8 | 32ML426 | Archaeological - 3 SC, C | Lippincott, 1989 | U |

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| 147 | 87 | 8 | 32ML438 | Archaeological/Historical - CMS, SC/CMS | Lippincott, 1989 | U |
| 147 | 87 | 8 | 32ML440 | Historical - Homestead | Lippincott, 1989 | U |
| 147 | 87 | 9 | 32ML427 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 87 | 9 | 32ML428 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 9 | 32ML448 | Archaeological - 2 SC | Lippincott, 1989 | U |
| 147 | 87 | 9 | 32ML449 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML433 | Archaeological - 5 SC, 2 C | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML434 | Archaeological - 9 SC | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML450 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML451 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML452 | Archaeological - CMS | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML453 | Archaeological - 2 C | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML454 | Archaeological - 5 SC | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML462 | Archaeological - 18 SC, 2 C | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML466 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML469 | Archaeological - 4 SC | Lippincott, 1989 | U |
| 147 | 87 | 10 | 32ML71 | Archaeological - 2 SC | Robson, 1981 | U |
| 147 | 87 | 10 | 32ML72 | Archaeological - SC | Robson, 1981; Lueck, 1990 | U |
| 147 | 87 | 10 | 32ML80 | Archaeological - 5 SC | Logan & Logan, 1982 | U |
| 147 | 87 | 11 | 32ML467 | Archaeological - CMS | Lippincott, 1989 | U |
| 147 | 87 | 11 | 32ML468 | Archaeological - CMS, 2 SC | Lippincott, 1989 | U |
| 147 | 87 | 11 | 32ML81 | Archaeological - 3 SC, 15 C | Logan & Logan, 1982 | U |
| 147 | 87 | 11 | 32ML82 | Archaeological - 12 SC, 18 C | Logan, Logan & Freudens, 1982; Lippincott, 1989 | U |
| 147 | 87 | 11 | 32ML85 | Archaeological - 9 SC, Hearth, C | Logan, Logan & Fueuden, 1982 | U |
| 147 | 87 | 12 | 32ML479 | Archaeological - CMS | Lueck, 1989 | U |
| 147 | 87 | 13 | 32ML472 | Archaeological - CMS, 11 SC, 2 C | Lippincott, 1989 | U |
| 147 | 87 | 13 | 32ML473 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 13 | 32ML474 | Archaeological/Historical - CMS, 19 SC/CMS | Lueck, 1989 | U |
| 147 | 87 | 13 | 32ML475 | Archaeological - SC | Lueck, 1989 | U |
| 147 | 87 | 13 | 32ML476 | Archaeological - CMS, Hearth | Lueck, 1989 | U |
| 147 | 87 | 13 | 32ML477 | Archaeological/Historical -CMS, SC/Farmstead | Lueck, 1989 | U |
| 147 | 87 | 13 | 32ML478 | Archaeological/Historical - CMS/CMS | Lueck, 1989 | U |
| 147 | 87 | 13 | 32ML488 | Archaeological - 19 SC, 6 C | Lueck, 1989 | U |
| 147 | 87 | 13 | 32ML490 | Archaeological - SC | Lueck, 1989 | U |
| 147 | 87 | 14 | 32ML458 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 14 | 32ML459 | Archaeological - 4 SC | Lippincott, 1989 | U |
| 147 | 87 | 14 | 32ML460 | Archaeological - 2 SC | Lippincott, 1989 | U |
| 147 | 87 | 14 | 32ML461 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 14 | 32ML471 | Archaeological/Historiacal - C, Depression/Burial, 8 Depressions | Lippincott, 1989 | U |
| 147 | 87 | 14 | 32ML487 | Archaeological - 2 SC | Lippincott, 1989 | U |
| 147 | 87 | 14 | 32ML84 | Archaeological - CMS | Logan & Logan, 1982 | U |
| 147 | 87 | 15 | 32ML429 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML430 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML431 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML432 | Archaeological - 2 SC, 4 C | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML455 | Archaeological - 4 SC, C | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML456 | Archaeological - 23 SC, 3 C | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML457 | Archaeological - 3 SC | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML463 | Archaeological - 2 SC | Lippincott, 1989 | U |

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| 147 | 87 | 15 | 32ML464 | Archaeological - CMS, SC | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML465 | Archaeological - 7 SC | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML470 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 87 | 15 | 32ML493 | Archaeological - 6 SC, 11 C | Lippincott, 1989 | U |
| 147 | 87 | 16 | 32ML435 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 87 | 16 | 32ML436 | Archaeoloigcal - SC, C | Lippincott, 1989 | U |
| 147 | 87 | 16 | 32ML444 | Archaeological -2 SC, 6 C | Lippincott, 1989 | U |
| 147 | 87 | 16 | 32ML445 | Archaeological - SC | Lippincott, 1989 | U |
| | | | | | | |
| 147 | 87 | 16 | 32ML446 | Archaeological/Historical - CMS/9 Grave | Lippincott, 1989 | U |
| 147 | 87 | 16 | 32ML447 | Archaeological - 6 SC | Lippincott, 1989 | U |
| | | | | | | |
| 147 | 88 | 3 | 32ML1002 | Archaeological - CMS | Stine, 2002; Stine, 2003 | U |
| 147 | 88 | 3 | 32ML96 | Archaeological - CMS | Logan & Logan, 1982 | U |
| 147 | 88 | 3 | 32ML991 | Architectural - Church | Bentley, 1999 | U |
| 147 | 88 | 6 | 32ML360 | Archaeological - 2 SC | Lippincott, 1989 | U |
| 147 | 88 | 7 | 32ML361 | Archaeological - 6 SC | Lippincott, 1989 | U |
| | | | | Archaeological/Historical - SC/CMS, 4 | | |
| 147 | 88 | 7 | 32ML362 | Foundations | Lippincott, 1989 | U |
| 147 | 88 | 7 | 32ML363 | Archaeological - 5 SC | Lippincott, 1989 | U |
| 147 | 88 | 7 | 32ML364 | Archaeological - SC, 2 C | Lippincott, 1989 | U |
| 147 | 88 | 7 | 32ML365 | Archaeological - 4 SC, C | Lippincott, 1989 | U |
| 147 | 88 | 7 | 32ML366 | Archaeological - 2 SC | Lippincott, 1989 | U |
| 147 | 88 | 7 | 32ML367 | Archaeological - 10 SC, 3 C | Lippincott, 1989 | U |
| | | | | | | |
| 147 | 88 | 7 | 32ML92 | Archaeological - SC, C | Logan & Logan, 1982; Lippincott, 1989 | U |
| 147 | 88 | 8 | 32ML349 | Archaeological - 2 SC, C | Lippincott, 1989 | U |
| 147 | 88 | 8 | 32ML350 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 88 | 8 | 32ML351 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 88 | 8 | 32ML359 | Archaeological -SC | Lippincott, 1989 | U |
| 147 | 88 | 8 | 32ML411 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 88 | 8 | 32ML91 | Archaeological - CMS | Logan & Logan, 1982 | U |
| 147 | 88 | 10 | 32ML371 | Archaeological - CMS | Lippincott, 1989 | U |
| | | | | Archaeological/Historical - CMS, 3 SC/6 | | |
| 147 | 88 | 13 | 32ML377 | Graves | Lippincott, 1989 | U |
| 147 | 88 | 13 | 32ML378 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 88 | 13 | 32ML379 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 88 | 13 | 32ML380 | Historical - Rock Feature, Rock Art, C | Lippincott, 1989 | U |
| 147 | 88 | 13 | 32ML415 | Archaeological - 3 C | Lippincott, 1989 | U |
| | | | | Archaeological/Historical - | | |
| 147 | 88 | 14 | 32ML373 | CMS/Foundation | Lippincott, 1989 | U |
| | | | | | | |
| 147 | 88 | 14 | 32ML374 | Archaeological/Historical - CMS/CMS, Foundationo, 6 Depressions | Lippincott, 1989 | U |
| 147 | 88 | 14 | 32ML375 | Archaeological - CMS, SC | Lippincott, 1989 | U |
| | | | | | | |
| 147 | 88 | 14 | 32ML376 | Archaeological/Historical - CMS/CMS | Lippincott, 1989 | U |
| 147 | 88 | 14 | 32ML413 | Archaeological - 2 SC | Lippincott, 1989 | U |
| 147 | 88 | 14 | 32ML69 | Archaeological - SC, C | Harris, 1980; Lippincott, 1989 | U |
| 147 | 88 | 14 | 32ML762 | Historical - CMS, Grave | Lippincott, 1989 | U |
| 147 | 88 | 14 | 32ML763 | Historical - Cemetery | Lippincott, 1989 | U |
| 147 | 88 | 15 | 32ML369 | Historical - Burials | Lippincott, 1989 | U |
| 147 | 88 | 15 | 32ML370 | Historical - CMS, Foundation | Lippincott, 1989 | U |
| 147 | 88 | 15 | 32ML372 | Archaeological - CMS | Lippincott, 1989 | U |
| 147 | 88 | 15 | 32ML439 | Historical - 33+ Burials | Lippincott, 1989 | U |

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| 147 | 88 | 16 | 32ML345 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 88 | 16 | 32ML346 | Archaeological - C | Lippincott, 1989 | U |
| 147 | 88 | 16 | 32ML347 | Archaeological - SC | Lippincott, 1989 | U |
| 147 | 88 | 17 | 32ML348 | Archaeological - SC, Hearth | Lippincott, 1989 | U |
| | | 14, | | | | |
| 147 | 88 | 15 | 32ML412 | Archaeological - CMS | Lippincott, 1989 | U |
| 147 | 89 | 3 | 32ML86 | Archaeological - CMS | Logan & Logan, 1982 | U |
| | | 32DU1313 | | | | |
| 147 | 94 | 12 | | Historical - Farmstead | Springer, 2006 | NE |
| | | | | | | |
| 147 | 94 | 1 | 32DU1447 | Archaeological - 5 SC | Markman & McLaughlin, 2009 | U |
| | | | | | | |
| 147 | 94 | 1 | 32DU1448 | Archaeological - 2 SC | Markman & McLaughlin, 2009 | U |
| 147 | 94 | 1 | 32DU306 | Archaeological - CMS | Borchert, 1985; Springer, 2006 | NE |
| 147 | 94 | 1 | 32DU977 | Archaeological - CMS | Olson, 1990 | E |
| 147 | 102 | 25 | 32MZ121 | Historical - Farmstead | Dill & Ludwickson, 1977 | U |
| | | | | | | |
| 147 | 102 | 25 | 32MZ1831 | Historical - Log Cabin | Floodman, 2007 | NE |
| | | | | | | |
| 147 | 102 | 30 | 32MZ1055 | Historical - Homestead | Wermers & Borchert, 1990 | NE |
| | | | | | | |
| 147 | 102 | 30 | 32MZ1596 | Historical - Homestead | Floodman, 2003 | NE |
| 147 | 102 | 34 | 32MZ378 | Archaeological - CMS | Mosely, 1980 | U |
| 147 | 103 | 7 | 32MZ328 | Archaeological - CMS | Logan, 1980 | U |
| 147 | 103 | 8 | 32MZ41 | Archaeological - CMS | Simon & Borchert, 1979 | U |
| 147 | 103 | 8 | 32MZ41 | Archaeological - CMS | Simon & Borchert, 1979 | U |
| | | | | Historical - CMS, 5 Depressions, | | |
| 147 | 103 | 8 | 32MZ515 | Machinery | Harrell, 1981 | U |
| 147 | 103 | 8 | 32MZ516 | Archaeological - CMS | Harrell, 1981 | U |
| 147 | 103 | 8 | 32MZ517 | Archaeological - CMS | Harrell, 1981 | U |
| 147 | 103 | 30 | 32MZ61 | Archaeological - CMS | Waitkus, 1979 | U |
| 147 | 104 | 9 | 32mZ72 | Archaeological - CMS | Kuehn, 1980 | U |
| | | | | Archaeological/Historical - CMS/CMS, | | |
| 147 | 104 | 10 | 32MZ1113 | Dugout | Floodman, 1992 | U |
| 147 | 104 | 10 | 32MZ217 | Historical - CMS | Keyser, 1978 | E |
| 147 | 104 | 10 | 32MZ934 | Archaeological - CMS | Floodman, 1988 | U |
| 147 | 104 | 11 | 32MZ937 | Archaeological - CMS | Floodman, 1988; Olson, 1991 | E |
| 147 | 104 | 12 | 32MZ160 | Historical - Homestead | Borchert & Pearson, 1980 | NE |
| 147 | 104 | 12 | 32MZ242 | Archaeological - CMS | Loscheider, 1978 | NE |
| 147 | 104 | 12 | 32MZ938 | Archaeological - CMS | Floodman, 1988; Olson, 1991 | U |
| 147 | 104 | 31 | 32MZ171 | Archaeological - CMS | Senulis, 1980; Floodman, 1992 | NE |
| 147 | 104 | 35 | 32MZ327 | Historical - Homestead | Logan, 1980 | U |
| 148 | 88 | 11 | 32ML934 | Architectural - Church | Bentley, 1999 | U |
| 148 | 88 | 11 | 32ML935 | Architectural - Chruch | Bentley, 1999 | U |
| | | | | | Borchert, Burbidge, Klinner & Wermers, | |
| 148 | 88 | 21 | 32ML332 | Archaeological - 30 SC, 2 C | 1990 | U |
| | | | | | Borchert, Burbidge, Klinner & Wermers, | |
| 148 | 88 | 22 | 32ML333 | Archaeological - C | 1990 | U |
| 148 | 89 | 20 | 32ML321 | Historical - Foundation | Banks, 1988 | NE |
| | | | | Architectura;/Histsorical - CMS, | | |
| 148 | 89 | 30 | 32ML353 | Depression | Lippincott, 1989 | NE |
| | | | | | Logan & Logan, 1982; Stine & Potter, | |
| 148 | 89 | 30 | 32ML97 | Archaeological - CMS | 2002 | U |
| 148 | 89 | 33 | 32ML88 | Archaeological - CMS | Logan & Logan, 1982 | U |
| 148 | 89 | 34 | 32ML330 | Architectural - Farmstead | Melton, 1989 | NE |

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| 148 | 89 | 34 | 32ML87 | Archaeological - CMS | Logan & Logan, 1982 | U |
| 148 | 90 | 9 | 32ML320 | Archaeological - CMS | Floodman, 1989 | U |
| 148 | 90 | 25 | 32ML274 | Archaeological - CMS | Gnabasik, 1986; Lippincott, 1988 | U |
| 148 | 90 | 26 | 32ML750 | Historical - Dump | Lippincott, 1988 | U |
| 148 | 90 | 26 | 32ML751 | Archaeological - CMS | Lippincott, 1988 | U |
| 148 | 90 | 26 | 32ML752 | Historical - CMS, 5 Graves | Lippincott, 1988 | U |
| 148 | 90 | 26 | 32ML765 | Archaeological - CMS, Hearth | Lippincott, 1988 | U |
| 148 | 92 | 4 | 32DU117 | Archaeological - CMS | Montgomery, Hungerford & Birnie, 1982 | U |
| 148 | 92 | 11 | 32DU1466 | Archaeological - C | Herson & Shropshire, 2009 | U |
| 148 | 92 | 35 | 32DU633 | Archaeological - CMS | Winham, 1985 | U |
| 148 | 93 | 4 | 32DU1382 | Archaeological - CMS | Herson, 2008; Hiemstra, 2008 | U |
| 148 | 93 | 4 | 32DU1417 | Archaeological - CMS | Hiemstra, 2008 | U |
| 148 | 93 | 5 | 32DU1408 | Archaeological - CMS | Hiemstra, 2008 | U |
| 148 | 93 | 5 | 32DU1413 | Archaeological - CMS | Hiemstra, 2008 | U |
| 148 | 93 | 5 | 32DU1432 | Historical - CMS, Foundation | Harty, 2008 | U |
| 148 | 93 | 5 | 32DU1458 | Archaeological - CMS | Markman, Lechert & Slessman, 2009 | E |
| 148 | 94 | 1 | 32DU1411 | Archaeological - CMS | Hiemstra, 2008 | U |
| 148 | 94 | 12 | 32DU1152 | Archaeological - CMS | Klinner & Wermers, 1995 | U |
| 148 | 94 | 14 | 32DU1407 | Archaeological - CMS | Hiemstra, 2008 | U |
| 148 | 94 | 14 | 32DU1409 | Archaeological - CMS | Hiemstra, 2008 | U |
| 148 | 94 | 14 | 32DU848 | Archaeological - SC | Banks, 1987 | U |
| 148 | 94 | 15 | 32DU1406 | Archaeological - CMS | Hiemstra, 2008 | U |
| 148 | 94 | 18 | 32DU609 | Archaeological - CMS | Brechtel & Newberry, 1982 | NE |
| 148 | 94 | 18 | 32DU610 | Archaeological - CMS | Brechtel & Newberry, 1982 | U |
| 148 | 94 | 18 | 32DU611 | Archaeological - CMS, Arc | Brechtel & Newberry, 1982 | E |
| 148 | 94 | 18 | 32DU612 | Archaeological - CMS | Brechtel & Newberry, 1982 | U |
| 148 | 94 | 18 | 32DU613 | Archaeological - CMS | Brechtel & Newberry, 1982 | NE |
| 148 | 94 | 18 | 32DU614 | Archaeological - C | Brechtel & Newberry, 1982 | U |
| 148 | 94 | 18 | 32DU617 | Archaeological - CMS | Brechtel & Newberry, 1982 | U |
| 148 | 94 | 24 | 32DU1369 | Archaeological - Rock Feature | Harty, 2008 | U |
| 148 | 94 | 24 | 32DU1376 | Archaeological - CMS, SC | Harty, 2008 | U |
| 148 | 94 | 25 | 32DU950 | Archaeological/Historical - CMS/Sweatlodge, Farmstead | Melton, 1989; Tatman & Lechert, 2009 | U/NE |
| 148 | 94 | 36 | 32DU1445 | Archaeological - 3 SC | Markman & McLaughlin, 2009 | U |
| 148 | 94 | 36 | 32DU1446 | Archaeological - 3 SC | Markman & McLaughlin, 2009 | U |
| 148 | 94 | 11, | 32DU1410 | Archaeological - C | Hiemstra, 2008 | U |

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| 148 | 94 | 23, 24 | 32DU1375 | Archaeological - CMS, SC | Harty, 2008 | U |
| 148 | 95 | 2 | 32DU1037 | Archaeological - CMS, 2 SC, C | Olson, 1992 | U |
| 148 | 95 | 2 | 32DU1037 | Archaeological - CMS, 2 SC, C | Olson, 1992 | U |
| 148 | 95 | 2 | 32DU909 | Archaeological - CMS | Banks, 1987 | U |
| 148 | 95 | 7 | 32DU343 | Archaeological - CMS | KDB, JLZ & ESB, 1985 | NE |
| 148 | 95 | 7 | 32DU359 | Archaeological - CMS | JAM, JMS& IMM, 1985 | NE |
| 148 | 95 | 12 | 32DU618 | Archaeological - CMS | Brechtel & Newberry, 1982 | E |
| 148 | 95 | 13 | 32DU1026 | Archaeological - CMS, SC | Olson, 1991 | U |
| 148 | 95 | 24 | 32DU178 | Archaeological - CMS | Fox, 1984 | U |
| 148 | 95 | 24 | 32DU318 | Archaeological - CMS | Borchert, 1985 | U |
| 148 | 95 | 12 | 32DU621 | Archaeological - CMS, SC, Quarry | Kuehn & Christensen, 1986; Olson, 1991 | E |
| 148 | 95 | 24 | 32DU179 | Archaeological - CMS | Fox, 1984; Olson, 1991 | U |
| 148 | 96 | 12 | 32DU342 | Archaeological - CMS | JAM, JMS & IMM, 1985; Olson, 1997 | E |
| 148 | 96 | 12 | 32DU356 | Archaeological - CMS | JMS, JAM & IMM, 1985 | NE |
| 148 | 96 | 12 | 32DU357 | Archaeological - CMS | JAM, JMS & IMM, 1985; Olson, 1997 | NE |
| 148 | 105 | 36 | 32MZ93 | Archaeological - CMS | Hubbard, 1979; Klinner, 2007 | U |
| 149 | 89 | 7 | 32ML693 | Archaeological - CMS | Lippincott, 1988 | U |
| 149 | 89 | 7 | 32ML739 | Archaeological - CMS | Lippincott, 1988 | U |
| 149 | 89 | 10 | 32ML925 | Architectural - Cemetery | Isern, 1999 | NE |
| 149 | 89 | 18 | 32ML737 | Archaeological - CMS | Lippincott, 1988 | U |
| 149 | 89 | 18 | 32ML738 | Archaeological/Historical - CMS/Foundation, Wagon, Pole | Lippincott, 1988 | U |
| 149 | 89 | 19 | 32ML314 | Archaeological - 5 SC, 2 C | Floodman, 1989 | U |
| 149 | 89 | 19 | 32ML931 | Architectural - Bridge | Hufstetler & McCormick, 2000 | E |
| 149 | 89 | 30 | 32ML315 | Archaeological - CMS | Floodman, 1989 | U |
| 149 | 89 | 18 | 32ML734 | Archaeological - CMS | Lippincott, 1988 | U |
| 149 | 90 | 4 | 32ML326 | Archaeological - 3 SC | Burbidge, 1989 | U |
| 149 | 90 | 4 | 32ML715 | Archaeological - C | Lippincott, 1988 | U |
| 149 | 90 | 4 | 32ML716 | Archaeological - 2 SC, 2 C | Lippincott, 1988 | U |
| 149 | 90 | 10 | 32ML718 | Archaeological - C | Lippincott, 1988 | U |
| 149 | 90 | 11 | 32ML719 | Archaeological - 2 Sc, 2 C | Lippincott, 1988 | U |
| 149 | 90 | 11 | 32ML723 | Archaeological - CMS, 3 SC, 3 C | Lippincott, 1988 | U |
| 149 | 90 | 11 | 32ML726 | Archaeological - C | Lippincott, 1988 | U |
| 149 | 90 | 11 | 32ML731 | Archaeological - 5 SC, C | Lippincott, 1988 | U |
| 149 | 90 | 11 | 32ML732 | Archaeological - SC | Lippincott, 1988 | U |
| 149 | 90 | 11 | 32ML733 | Archaeological - C | Lippincott, 1988 | U |
| 149 | 90 | 12 | 32ML179 | Archaeological - CMS | Krieg, 1981 | U |
| 149 | 90 | 12 | 32ML311 | Archaeological - CMS | Floodman, 1989 | U |
| 149 | 90 | 12 | 32ML312 | Archaeological - SC, C | Floodman, 1989 | U |
| 149 | 90 | 12 | 32ML313 | Archaeological - CMS | Floodman, 1989 | U |
| 149 | 90 | 12 | 32ML720 | Archaeological - 8 SC, C | Lippincott, 1988 | U |
| 149 | 90 | 12 | 32ML721 | Archaeological - 2 SC, 4C | Lippincott, 1988 | U |
| 149 | 90 | 12 | 32ML722 | Archaeological - 4 SC | Lippincott, 1988 | U |
| 149 | 90 | 12 | 32ML724 | Archaeological - SC | Lippincott, 1988 | U |
| 149 | 90 | 12 | 32ML725 | Archaeological - C | Lippincott, 1988 | U |
| 149 | 90 | 12 | 32ML740 | Archaeological - 2 SC | Lippincott, 1988 | U |
| 149 | 90 | 12 | 32ML741 | Archaeological - CMS | Lippincott, 1988 | U |

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|-----|----|----|----------|--|---|----|
| 149 | 91 | 30 | 32DU1220 | Architectural - Church | Ford-Dunker, 1999 | U |
| 149 | 91 | 30 | 32DU944 | Historical - Concrete Block | Melton, 1989 | NE |
| 149 | 92 | 7 | 32DU112 | Archaeological - CMS | Logan, 1981 | U |
| 149 | 92 | 7 | 32DU1153 | Archaeological - CMS | Klinner & Wermers, 1995 | NE |
| 149 | 92 | 7 | 32DU1464 | Archaeological - SC | Herson & Shropshire, 2009 | U |
| 149 | 92 | 8 | 32DU1154 | Archaeological - CMS, 2 C | Klinner & Wermers, 1995 | U |
| 149 | 92 | 8 | 32DU1155 | Archaeological - CMS | Klinner & Wermers, 1995 | U |
| 149 | 92 | 8 | 32DU1156 | Archaeological - Hearth | Klinner & Wermers, 1995 | NE |
| 149 | 92 | 8 | 32DU376 | Archaeological - CMS | Kuehn, 1986; Klinner & Wermers, 1995; Markman, 2009 | U |
| 149 | 92 | 8 | 32DU384 | Archaeological - SC | Christensen, 1986 | U |
| 149 | 92 | 10 | 32DU396 | Archaeological - CMS, SC, 2 C | Kuehn, 1986; Klinner & Wermers, 1995 | U |
| 149 | 92 | 10 | 32DU397 | Archaeological - CMS | Kuehn, 1986 | U |
| 149 | 92 | 10 | 32DU398 | Archaeological - CMS, 2 SC, C | Kuehn, 1986 | U |
| 149 | 92 | 10 | 32DU399 | Archaeological - CMS | Kuehn, 1986 | U |
| 149 | 92 | 10 | 32DU623 | Archaeological - CMS | Kuehn, 1986 | E |
| 149 | 92 | 10 | 32DU624 | Archaeological - CMS | Kuehn, 1986; No Name, 1990 | NE |
| 149 | 92 | 10 | 32DU625 | Archaeological - CMS | Kuehn, 1986; No Name, 1990 | NE |
| 149 | 92 | 10 | 32DU626 | Archaeological - CMS | Kuehn, 1986; No Name, 1990 | NE |
| 149 | 92 | 30 | 32DU1416 | Archaeological - CMS | Hiemstra, 2008 | U |
| 149 | 92 | 33 | 32DU1418 | Archaeological - C | Leuchtmann, 2008 | U |
| 149 | 93 | 2 | 32DU990 | Archaeological - CMS | Olson, 1990 | U |
| 149 | 93 | 4 | 32DU896 | Archaeological - CMS, Pit | Borchert, 1988 | U |
| 149 | 93 | 4 | 32DU901 | Archaeological - CMS | Borchert & Blikre, 1988 | U |
| 149 | 93 | 7 | 32DU1425 | Historical - Dump | Leuchtmann, 2008 | U |
| 149 | 93 | 9 | 32DU1216 | Architectural - Church | Ford- Dunker, 1999 | U |
| 149 | 93 | 10 | 32DU1427 | Archaeological - C | Leuchtmann, 2008 | U |
| 149 | 93 | 10 | 32DU1428 | Archaeological - SC | Leuchtmann, 2008 | U |
| 149 | 93 | 12 | 32DU379 | Archaeological - 4 SC | Kuehn & Christensen, 1986; Markman, 2009 | U |
| 149 | 93 | 12 | 32DU973 | Archaeological - SC, Arc, Rock Alignment | Spath & Christensen, 1990; Markman, 2009 | U |
| 149 | 93 | 17 | 32DU1438 | Archaeological - SC | Ferris, 2008 | U |
| 149 | 93 | 17 | 32DU86 | Archaeological - CMS | Newberry, 1980 | U |
| 149 | 93 | 17 | 32DU87 | Archaeological - CMS | Newberry, 1980 | U |
| 149 | 93 | 18 | 32DU1415 | Archaeological - C | Hiemstra, 2008 | U |
| 149 | 93 | 18 | 32DU1422 | Historical - Hoomestead | O'Donnchadha, 2008 | U |
| 149 | 93 | 18 | 32DU1423 | Archaeological - CMS | O'Donnchadha, 2008 | U |

| | | | | | | |
|-----|----|------------|----------|---|----------------------------------|----|
| 149 | 93 | 21 | 32DU947 | Archaeological/Historical - CMS/CMS, Foundation | Melton, 1989 | E |
| 149 | 93 | 21 | 32DU947 | Archaeological - SC, 3 Arcs | Hiemstra, 2008 | U |
| 149 | 94 | 4 | 32MZ1015 | Archaeological - 2 SC | Melton, 1989 | U |
| 149 | 94 | 10 | 32MZ810 | Archaeological - SC | Christensen, 1986 | U |
| 149 | 94 | 10 | 32MZ923 | Archaeological - SC | Banks, 1988 | E |
| 149 | 94 | 12 | 32MZ1947 | Archaeological - SC | Harty & Leuchtmann, 2008 | U |
| 149 | 94 | 12 | 32MZ1948 | Archaeological - 2 SC | Harty & Leuchtmann, 2008 | U |
| 149 | 94 | 12 | 32MZ809 | Archaeological - SC | Kuehn, 1986 | U |
| 149 | 94 | 14 | 32MZ1508 | Architectural - Church | Christopher, 2001 | U |
| 149 | 94 | 15 | 32MZ1042 | Archaeological - CMS, 2 C | Olson, 1990 | NE |
| 149 | 94 | 15 | 32MZ1955 | Historical - Foundation, 2 Depressions | O'Donnchadha, 2008 | U |
| 149 | 94 | 15 | 32MZ2018 | Archaeological - CMS, Rock Feature | Kohler, 2009 | U |
| 149 | 94 | 15 | 32MZ2019 | Archaeological - C | Markman, 2009 | U |
| 149 | 94 | 16 | 32MZ1680 | Archaeological - CMS | Bluemle, 2004 | U |
| 149 | 94 | 16 | 32MZ632 | Archaeological - CMS | Borchert & Keim, 1982 | U |
| 149 | 94 | 21 | 32MZ1679 | Archaeological - CMS | Bluemle, 2004 | U |
| 149 | 94 | 22 | 32MZ702 | Historical - Foundation | Fox, 1984 | NE |
| 149 | 94 | 27 | 32MZ1469 | Archaeological - CMS | Luther, 2008 | U |
| 149 | 94 | 27 | 32MZ1950 | Archaeological - CMS | Luther, 2008 | U |
| 149 | 94 | 27 | 32MZ1951 | Archaeological - SC | Luther, 2008 | U |
| 149 | 94 | 27 | 32MZ1952 | Archaeological - C | Luther, 2008 | U |
| 149 | 94 | 27 | 32MZ1953 | Archaeological - 6 C | Luther, 2008 | U |
| 149 | 94 | 27 | 32MZ1954 | Archaeological - CMS | Luther, 2008 | U |
| 149 | 94 | 27 | 32MZ1970 | Archaeological - C | Markman, 2009 | U |
| 149 | 94 | 27 | 32MZ2020 | Archaeological - CMS | Markman & Lechert, 2009 | U |
| 149 | 94 | 33 | 32MZ1860 | Archaeological - CMS, 2 SC, 3 C, Rock Feature | Harty, 2008 | U |
| 149 | 94 | 33 | 32MZ1949 | Historical - Dump | Leuchtmann, 2008 | NE |
| 149 | 94 | 21, 28, | 32MZ1123 | Archaeological/Historical - CMS, SC/CMS | Olson, 1992 | E |
| 149 | 94 | 9, | 32MZ633 | Archaeological - CMS, C | Bochert, Sheldon & Drybred, 1982 | E |
| 149 | 95 | 36 | 32MZ936 | Archaeological - CMS | Banks, 1987 | U |
| 150 | 90 | 19 | 32ML674 | Archaeological - Eagle Trapping Pit | Lippincott, 1988 | U |

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|-----|----|----|----------|---|----------------------------------|----|
| 150 | 90 | 19 | 32ML675 | Archaeological - C | Lippincott, 1988 | U |
| 150 | 90 | 19 | 32ML681 | Archaeological - SC | Lippincott, 1988 | U |
| 150 | 90 | 19 | 32ML760 | Historical - CMS, Hall, Privy, Dock | Lippincott, 1988 | NE |
| 150 | 94 | 16 | 32MZ1895 | Archaeological - CMS | Long, Bates & Ollie, 2007 | U |
| 150 | 94 | 16 | 32MZ1921 | Historical - Depression, Foundation | Leuchtmann & Herson, 2008 | NE |
| 150 | 94 | 19 | 32MZ1010 | Archaeological - 2 SC | Chevance, 1989 | U |
| 150 | 94 | 21 | 32MZ1922 | Archaeological - SC | Leuchtmann, 2008 | U |
| 150 | 94 | 21 | 32MZ1923 | Archaeological - SC | Leuchtmann, 2008 | U |
| 150 | 94 | 21 | 32MZ1924 | Archaeological - Rock Feature | Leuchtmann, 2008 | U |
| 150 | 94 | 21 | 32MZ701 | Historical - Foundation | Fox, 1984 | U |
| 150 | 94 | 28 | 32MZ1933 | Historical - Dump | Harty, 2008 | NE |
| 150 | 94 | 34 | 32MZ1934 | Archaeological - C | Harty, Asbury & Leuchtmann, 2008 | U |
| 150 | 94 | 34 | 32MZ1935 | Archaeological - 2 SC | Harty, Asbury & Leuchtmann, 2008 | U |
| 150 | 94 | 34 | 32MZ2008 | Archaeologica - CMS, C | Markman, 2009 | U |
| 150 | 95 | 12 | 32MZ1851 | Archaeological - CMS | Bluemle, 2008 | U |
| 150 | 95 | 12 | 32MZ754 | Archaeological - CMS, 2 SC, C | Christensen, 1985 | U |
| 150 | 95 | 12 | 32MZ755 | Archaeological - CMS, SC | Christensen & Kuehn, 1985 | U |
| 150 | 95 | 12 | 32MZ756 | Archaeological - SC, C | Christensen & Kuehn, 1985 | U |
| 150 | 95 | 12 | 32MZ818 | Archaeological - CMS | Porsche & Kuehn, 1986 | U |
| 150 | 95 | 13 | 32MZ1009 | Archaeological - SC | Christensen, 1985 | U |
| 150 | 95 | 13 | 32MZ1854 | Archaeological - CMS | Bluemle, 2008 | U |
| 150 | 95 | 13 | 32MZ757 | Archaeological - SC | Christensen, 1985 | U |
| 151 | 90 | 2 | 32MN384 | Historical - Dump | Borchert & Foster, 1988 | NE |
| 151 | 90 | 4 | 32MN385 | Historical - Farmstead | Borchert & Foster, 1988 | NE |
| 151 | 90 | 6 | 32MN388 | Archaeological - 5 SC, 4 C | Borchert & Foster, 1988 | U |
| 151 | 91 | 1 | 32MN345 | Historical - Foundation | Lippincott, 1985 | NE |
| 151 | 91 | 2 | 32MN320 | Historical - Farmstead | Lippincott, 1985 | U |
| 151 | 91 | 2 | 32MN371 | Historical - Depression, 2 Dug-outs | Lueck & Lippincott, 1985-86 | U |
| 151 | 91 | 11 | 32MN239 | Historical - Farmstead | Lippincott, 1985 | U |
| 151 | 91 | 11 | 32MN389 | Archaeological - 4 SC | Blikre & Fox, 1988 | U |
| 151 | 94 | 33 | 32MZ797 | Archaeological - 4 SC | No Name, 1986 | U |
| 152 | 90 | 13 | 32MN161 | Historical - Dump, Foundation, Machinery, Quarry, Trail | Schweigert & Halvorson, 1985 | NE |
| 152 | 90 | 13 | 32MN162 | Historical - Dump, Quarry | Schweigert & Halvorson, 1985 | NE |
| 152 | 90 | 25 | 32MN454 | Architectural - Barn | Brownell, 1989 | NE |
| 152 | 90 | 25 | 32MN457 | Architectural - Shed | Melton, 1989 | NE |
| 152 | 90 | 25 | 32MN655 | Architectural - Church | Christopher, 2001 | U |
| 152 | 90 | 36 | 32MN240 | Archaeological - CMS | Lippincott, 1985 | U |
| 152 | 90 | 36 | 32MN346 | Historical - 3 Foundations, Depression, Mound | Lippincott, 1985 | U |
| 152 | 90 | 36 | 32MN450 | Architectural - Apartments | Brownell, 1989 | NE |
| 152 | 90 | 36 | 32MN451 | Architecutral - Barn | Brownell, 1989 | NE |

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|-----|----|----|---------|---|---------------------------|----|
| 152 | 90 | 36 | 32MN452 | Architectural - Video Store | Brownell, 1989 | NE |
| 152 | 90 | 36 | 32MN453 | Architectural - Garage | Brownell, 1989 | NE |
| | | | | | | |
| 152 | 90 | 36 | 32MN455 | Historical - CMS, Horse Barn, Machinery | Brownell, 1989 | NE |
| 152 | 90 | 36 | 32MN822 | Archaeological - 2 Rock Features | Herson & Shropshire, 2009 | U |
| 152 | 91 | 35 | 32MN243 | Archaeological - CMS | Lippincott, 1985 | U |
| 153 | 89 | 19 | 32MN739 | Archaeological - 2 SC | Tyberg, 2007 | U |
| 153 | 89 | 19 | 32MN740 | Archaeological - 2 SC | Tyberg, 2007 | U |
| 153 | 89 | 28 | 32MN497 | Archaeological - CMS | Stine, 1991 | U |
| 153 | 89 | 31 | 32MN806 | Historical - Dump | Engel, 2009 | NE |
| 153 | 89 | 31 | 32MN807 | Archaeological - 2 SC | Engel, 2009 | U |
| 154 | 90 | 34 | 32MN726 | Historical - Church Foundation | Tyber & Selby, 2007 | NE |

Big Sky. Big Land. Big History.

Montana

Historical Society

*State Historic Preservation Office • 1410 Eighth Ave • P.O. Box 201202
Helena, MT 59620-1201 • 406-444-7715*

December 22, 2009

Jennifer Harty
Kadrmas, Lee & Jackson
128 Soo Line Drive
Bismarck ND 58502

RE: RES TELECOM FIBER OPTIC. SHPO Project #: 2009121405

Dear Jennifer:

I have conducted a cultural resource file search for the above-cited project. According to our records there have been a few previously recorded sites within the designated search locales. A few of these sites (CRIS list) have been determined eligible for listing on the National Register of Historic Places. In addition to the sites there have been a few previously conducted cultural resource inventories done in the areas. I've attached a list of these sites and reports. If you would like any further information regarding these sites or reports you may contact me at the number listed below.

It is SHPO's position that any structure over fifty years of age is considered historic and is potentially eligible for listing on the National Register of Historic Places. If any structures are within fifty feet of the existing ROW we would recommend that they be recorded and a determination of their eligibility be made.

If this project will not have any ground disturbance outside of the existing ROW we feel that there is a low likelihood cultural properties will be impacted. We, therefore, feel that a recommendation for a cultural resource inventory is unwarranted at this time. However, should this project go outside of the existing ROW we feel that this project has the potential to impact cultural properties. We, therefore, recommend that a cultural resource inventory be conducted in order to determine whether or not sites exist and if they will be impacted.

If you have any further questions or comments you may contact me at (406) 444-7767 or by e-mail at dmurdo@mt.gov. Thank you for consulting with us.

Sincerely,



Damon Murdo
Cultural Records Manager
State Historic Preservation Office



State Historic Preservation Office

Cultural Resource Annotated Bibliography System

Report

Report Date:

12/14/2009

Township: 18N Range: 59E Section: 3

PETERSEN LYNELLE AND JOHN O. POULEY

9/ / 2003

RICHLAND COUNTY LINE-NORTH: A CLASS III CULTURAL RESOURCE INVENTORY FOR THE MONTANA DEPARTMENT OF TRANSPORTATION IN RICHLAND AND WIBAUX COUNTIES, MONTANA

CRABS Document Number: RL 4 26390

Township: 18N Range: 59E Section: 4

PETERSEN LYNELLE AND JOHN O. POULEY

9/ / 2003

RICHLAND COUNTY LINE-NORTH: A CLASS III CULTURAL RESOURCE INVENTORY FOR THE MONTANA DEPARTMENT OF TRANSPORTATION IN RICHLAND AND WIBAUX COUNTIES, MONTANA

CRABS Document Number: RL 4 26390

Township: 18N Range: 59E Section: 5

PASSMANN DORI, ET AL.

1/ / 1999

1998 NRCS NEGATIVE FINDINGS REPORT, (WIBAUX COUNTY)

CRABS Document Number: WX 6 21739

Township: 18N Range: 59E Section: 16

PASSMANN DORI

1/ / 2003

2002 NRCS FIELD STAFF NEGATIVE FINDINGS REPORTS IN WIBAUX COUNTY MONTANA

CRABS Document Number: WX 6 25663

Township: 19N Range: 58E Section: 2

PASSMAN DORI , ET.AL.

11/ / 2006

2006 NRCS FIELD STAFF NEGATIVE REPORTS

CRABS Document Number: RL 6 29608

Township: 19N Range: 58E Section: 5

ANDREWS MICHAEL J.

11/ / 1988

A CULTURAL RESOURCES INVENTORY FOR SELECTED CANAL REPAIRS, LOWER YELLOWSTONE PROJECT

CRABS Document Number: RL 6 8959

Township: 19N Range: 58E Section: 5

PLATT STEVE

7/ 22/ 1994

DISTRICT 4 MCS SITES

CRABS Document Number: RL 4 15917



State Historic Preservation Office

Cultural Resource Annotated Bibliography System Report

Report Date:

12/14/2009

Township: 19N Range: 58E Section: 12

PASSMAN DORI , ET.AL.

11/ / 2006 2006 NRCS FIELD STAFF NEGATIVE REPORTS

CRABS Document Number: RL 6 29608

Township: 19N Range: 58E Section: 14

PASSMANN DORI, ET AL.

1/ / 1999 1998 NRCS NEGATIVE FINDINGS REPORT, (RICHLAND COUNTY)

CRABS Document Number: RL 6 21754

Township: 19N Range: 58E Section: 14

PASSMANN DORI, ET AL.

1/ / 1998 1997 NRCS NEGATIVE FINDINGS REPORT (RICHLAND COUNTY)

CRABS Document Number: RL 6 20629

Township: 19N Range: 59E Section: 17

MELTON DOUGLAS A.

3/ 11/ 2003 CULTURAL RESOURCE INVENTORY CLASS III OF THE DYNNESEN PIPELINE EXTENSION IN RICHLAND COUNTY MONTANA

CRABS Document Number: RL 2 26509

Township: 19N Range: 59E Section: 18

HUBBELL WILLIAM S.

11/ 8/ 2002 A CULTURAL RESOURCE INVENTORY III OF THE DYNNESEN PIPELINE IN RICHLAND COUNTY MONTANA

CRABS Document Number: RL 2 25859

Township: 19N Range: 59E Section: 20

HUBBELL WILLIAM S.

11/ 8/ 2002 A CULTURAL RESOURCE INVENTORY III OF THE DYNNESEN PIPELINE IN RICHLAND COUNTY MONTANA

CRABS Document Number: RL 2 25859

Township: 19N Range: 59E Section: 20

HUBBEL WILLIAM

3/ 2/ 2006 RICHLAND COUNTY GRAVEL PITS

CRABS Document Number: RL 2 29207

Township: 19N Range: 59E Section: 34

PETERSEN LYNELLE AND JOHN O. POULEY

9/ / 2003 RICHLAND COUNTY LINE-NORTH: A CLASS III CULTURAL RESOURCE INVENTORY FOR THE MONTANA DEPARTMENT OF TRANSPORTATION IN RICHLAND AND WIBAUX COUNTIES, MONTANA



State Historic Preservation Office

Cultural Resource Annotated Bibliography System Report

Report Date:

12/14/2009

CRABS Document Number: RL 4 26390

Township: 19N Range: 59E Section: 35

PETERSEN LYNELLE AND JOHN O. POULEY

9 / 2003 RICHLAND COUNTY LINE-NORTH: A CLASS III CULTURAL RESOURCE INVENTORY FOR THE MONTANA DEPARTMENT OF TRANSPORTATION IN RICHLAND AND WIBAUX COUNTIES, MONTANA

CRABS Document Number: RL 4 26390

Township: 19N Range: 60E Section: 27

PLATT STEVE

11 / 9 / 2005 CULTURAL RESOURCE INVENTORY OF THE SMITH CREEK BRIDGES IN WIBAUX COUNTY, MONTANA

CRABS Document Number: WX 4 28153

Township: 19N Range: 60E Section: 28

PLATT STEVE

11 / 9 / 2005 CULTURAL RESOURCE INVENTORY OF THE SMITH CREEK BRIDGES IN WIBAUX COUNTY, MONTANA

CRABS Document Number: WX 4 28153

Township: 20N Range: 58E Section: 27

CLARK GERALD R.

9 / 22 / 1977 ELK ISLAND: HMP PROPOSED BOUNDARY FENCE

CRABS Document Number: RL 2 8868

Township: 20N Range: 58E Section: 33

COUTANT BRAD A.

8 / 1991 FIFTEEN ASSORTED STRUCTURES ON THE LOWER YELLOWSTONE IRRIGATION DISTRICT, RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 6 13050

Township: 20N Range: 58E Section: 33

VINCENT WILLIAM B.

2 / 24 / 2002 NOTIFICATION OF UNDERTAKING - PROPOSED REPLACEMENT OF A DETERIORATED CHUTE AT THE SAVAGE SPILLWAY STRUCTURE AND ASSOCIATED BRIDGE IN RICHLAND COUNTY MONTANA

CRABS Document Number: RL 6 24567



State Historic Preservation Office

Cultural Resource Annotated Bibliography System

Report

Report Date:

12/14/2009

Township: 20N Range: 58E Section: 33

KORDECKI CYNTHIA, ET AL.

4/ / 2001

LOWER YELLOWSTONE IRRIGATION PROJECT, 1996 AND 1997 CULTURAL RESOURCES INVENTORY, DAWSON AND RICHLAND COUNTIES, MONTANA AND MCKENZIE COUNTY IN NORTH DAKOTA

CRABS Document Number: ZZ 6 23753

Township: 20N Range: 58E Section: 33

BRUMLEY JOHN H.

9/ / 2000

A CULTURAL INVENTORY OF 14 BRIDGE PROJECTS AREAS WITHIN RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 6 23550

Township: 20N Range: 58E Section: 34

MELTON DOUG

4/ 11/ 2008

CLASS III CULTURAL RESOURCE INVENTORY OF THE DAVIS PIPELINE ROW RENEWAL, RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 2 30263

Township: 20N Range: 59E Section: 2

PASSMAN DORI , ET.AL.

11/ / 2006

2006 NRCS FIELD STAFF NEGATIVE REPORTS

CRABS Document Number: RL 6 29608

Township: 20N Range: 59E Section: 6

ANDERSON PAUL, ET AL.

10/ / 1986

CULTURAL RESOURCE INVENTORY AND ASSESSMENT OF SELECTED ABANDONED COAL MINE SITES THROUGHOUT MONTANA AND SELECTED HARDROCK SITES IN BUTTE

CRABS Document Number: ZZ 2 10784

Township: 20N Range: 59E Section: 7

ANDERSON PAUL, ET AL.

10/ / 1986

CULTURAL RESOURCE INVENTORY AND ASSESSMENT OF SELECTED ABANDONED COAL MINE SITES THROUGHOUT MONTANA AND SELECTED HARDROCK SITES IN BUTTE

CRABS Document Number: ZZ 2 10784

Township: 20N Range: 59E Section: 11

PASSMANN DORI, ET AL.

1/ / 2002

2001 NRCS FIELD STAFF NEGATIVE FINDINGS REPORT FOR RICHLAND COUNTY MONTANA

CRABS Document Number: RL 6 24990



State Historic Preservation Office

Cultural Resource Annotated Bibliography System Report

Report Date:

12/14/2009

Township: 20N Range: 59E Section: 13

PASSMANN DORI, ET AL.

1/ / 1999

1998 NRCS NEGATIVE FINDINGS REPORT, (RICHLAND COUNTY)

CRABS Document Number: RL 6 21754

Township: 20N Range: 59E Section: 24

PASSMANN DORI, ET AL.

1/ / 1999

1998 NRCS NEGATIVE FINDINGS REPORT, (RICHLAND COUNTY)

CRABS Document Number: RL 6 21754

Township: 20N Range: 59E Section: 25

PASSMANN DORI, ET AL.

1/ / 2000

1999 NRCS NEGATIVE FINDINGS REPORT FOR RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 6 23378

Township: 20N Range: 59E Section: 25

PASSMANN DORI, ET AL.

1/ / 2000

1999 NRCS NEGATIVE FINDINGS REPORT FOR RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 6 23378

Township: 20N Range: 59E Section: 25

PASSMANN DORI, ET AL.

1/ / 2000

1999 NRCS NEGATIVE FINDINGS REPORT FOR RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 6 23378

Township: 20N Range: 59E Section: 32

MELTON DOUGLAS A.

3/ 7/ 2003

CULTURAL RESOURCES CLASS III INVENTORY OF RICHLAND COUNTY ROAD
REPAIR IN RICHLAND COUNTY MONTANA

CRABS Document Number: RL 2 26510

Township: 20N Range: 59E Section: 36

PASSMANN DORI, ET AL.

1/ / 2000

1999 NRCS NEGATIVE FINDINGS REPORT FOR RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 6 23378

Township: 20N Range: 59E Section: 36

PASSMANN DORI, ET AL.

1/ / 2000

1999 NRCS NEGATIVE FINDINGS REPORT FOR RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 6 23378



State Historic Preservation Office

Cultural Resource Annotated Bibliography System Report

Report Date:

12/14/2009

Township: 20N Range: 60E Section: 19

PASSMANN DORI, ET AL.

1/ / 2000

1999 NRCS NEGATIVE FINDINGS REPORT FOR RICHLAND COUNTY, MONTANA

CRABS Document Number: RL 6 23378

Township: 21N Range: 58E Section: 23

DAVIS LESLIE B.

6/ 13/ 1978

SEVEN SISTERS GAME MANAGEMENT AREA

CRABS Document Number: RL 6 8945

Township: 21N Range: 58E Section: 23

AABERG STEPHEN A.

4/ 27/ 1986

*CULTURAL RESOURCE SURVEY REPORT SEVEN SISTERS WILDLIFE
MANAGEMENT AND RECREATION AREA*

CRABS Document Number: RL 6 8953

Township: 21N Range: 58E Section: 34

PASSMAN DORI , ET.AL.

11/ / 2007

2007 NRCS FIELD STAFF NEGATIVE REPORTS

CRABS Document Number: RL 6 30047