



**North Dakota Parks and Recreation Department**  
**Recreation Division – 701-328-5357 – parkrec@nd.gov**

**Recreational Trails Program(RTP) Grant Application**

Recreational Trail Program (RTP) grants are available to the State of North Dakota, political subdivisions, and nonprofit organizations in order to assist in the development, maintenance, or rehabilitation of recreational trails. The RTP is an assistance program of the U.S. Department of Transportation's Federal Highway Administration (FHWA). The program is administered by the Recreation Division of the North Dakota Parks and Recreation Department (NDPRD).

Project proposals must be approved at the state and federal levels. A Recreational Trails Program Advisory Committee (RTPAC) made up of private, state, and federal individuals evaluates and ranks the projects. Projects selected at the state level are submitted to the FHWA for final review and approval.

RTP grants reimburse up to 80 percent of the cost for development, maintenance, or rehabilitation of recreational trails. Engineering fees exceeding more than 20% of total project cost are not eligible for reimbursement. Project sponsors cannot be reimbursed for funds that are incurred before an application is approved and a local grant agreement is signed.

The application cycle is open from December 1, 2014 to January 30, 2015 at 1:00 P.M. CST.

Date:

**CONTACT INFORMATION**

Project Sponsor:

(Must be political subdivision)

Project Name:

**Primary Contact**

Name:   
Title:   
Address:   
City, State, Zip:   
E-Mail:   
Phone:   
County:

**Alternate Contact**

Name:   
Title:   
Address:   
City, State, Zip:   
E-Mail:   
Phone:   
County:

## REIMBURSEMENT CONTACT INFORMATION

Name and address for where reimbursement payments should be sent to.  
If same as Primary/Alternate Contact, please state "Same as Primary or Alternate Contact"

If not, please fill out below.

### Reimbursement Contact

Name:	<input type="text"/>
Title:	<input type="text"/>
Address:	<input type="text"/>
City, State, Zip:	<input type="text"/>
E-Mail:	<input type="text"/>
Phone:	<input type="text"/>
County:	<input type="text"/>

Estimated Start Date:  Estimated Completion Date:

(Grant recipients have 18 months to complete projects)

\*All RTP projects must meet accessibility guidelines in compliance with the Americans with Disabilities Act of 1990, Section 504 of the Rehabilitation Act of 1973 and the Architectural Barriers Act. For more information refer to the U.S. Access Board at [www.access-board.gov](http://www.access-board.gov). Look for the Reg Neg Committee 1999 Report: Accessibility Guidelines for Outdoor Developed Areas.

Does the proposed project meet requirements of the American with Disabilities Act and Architectural Barriers Act?

Briefly Explain.

The Forest Service Trail Accessibility Guidelines (FSTAG) provide guidance for maximizing accessibility of trails in the National Forest System, while protecting the unique characteristics of their natural setting. These guidelines incorporate the Architectural Barriers Act Accessibility Standards (ABAAS), the Outdoor Developed Area Accessibility Guidelines. The Maah Daah Hey Trail has a Designed Use of Pack/Saddle Stock and thus are not required to meet ABAAS standards. Associated Constructed Features such as toilets and parking spaces DO meet the requirements of ABAAS as specified in the Forest Service Outdoor Recreation Accessibility Guidelines (FSORAG).

## PROJECT LOCATION

Property Name:

Physical Address:

Legal Description:

Township:  Range:  Section:

Latitude (in decimal degrees): example: 46.785690

Longitude (in decimal degrees): example: -100.622172

Please use **Google Maps** to find your latitude and longitude.

**PROJECT INFORMATION**

1. Based on the State Comprehensive Outdoor Recreation Plan (SCORP), please identify the following:

["http://www.parkrec.nd.gov/information/department/attachments/scorp-2013-2017.pdf"](http://www.parkrec.nd.gov/information/department/attachments/scorp-2013-2017.pdf)

Region

Primary:  Secondary:  Tertiary:

2. Is the scope of the project:

- Construction of New Recreation Trails \*Number of miles
- Restoration of Existing Trails \*Number of miles
- Trail Extension \*Number of miles
- Purchase and Lease of Recreational Trail Construction and Maintenance Equipment
- Development and Rehabilitation Trailhead Facilities and Trail Linkages
- Land Acquisition/Easements
- Trail Accessibility Assesment

\*Based on the above checked box, the total mileage of your trail is now:

3. Check all uses the project impacts:

- |  |   |  |
|--|---|--|
| <input checked="" type="checkbox"/> Walking/Hiking   | <input type="checkbox"/> Cross-Country Skiing | <input type="checkbox"/> ATV Riding            |
| <input checked="" type="checkbox"/> Bicycling        | <input type="checkbox"/> In-Line Skating      | <input type="checkbox"/> Off-Road Motorcycling |
| <input checked="" type="checkbox"/> Horseback Riding | <input type="checkbox"/> Snowmobiling         | <input type="checkbox"/> Other                 |

4. Classification of Land:

Who holds the title to the project land?

- State
- Federal
- Local
- Private

U.S. Forest Service and the State of North Dakota  
  
See attached ROW for State School Lands

5. Does any of the project fall within a federal highway right-of-way?  Yes  No

["http://www.parkrec.nd.gov/recreation/grants/rtp/rtpprojectselection.html"](http://www.parkrec.nd.gov/recreation/grants/rtp/rtpprojectselection.html), click on North Dakota National Highway System Map.

6. Does your project take place within the jurisdiction of one of the three Metropolitan Planning Organizations (MPO): Bismarck-Mandan, Fargo, or Grand Forks? If yes, which one?

- Bismarck-Mandan
- Fargo
- Grand Forks
- No, this project is not within an MPO

Has your project received approval from the MPO? Yes  No

**BUDGET INFORMATION**

Total project cost: **\$186,800.00**

Total grant amount requested: **\$149,440.00**

Would partial funding affect the completion of the grant? Yes  No

If yes, briefly explain.

If only partial funding were received, the USFS would be limited as to what they would be able to accomplish on the project due to limited budgets.

**BUDGET INFORMATION WORKSHEET**

<b>Total Project Cost</b>	<b>\$186,800.00</b>	
<b>Total Grant Amount Requested</b>	<b>\$149,440.00</b>	
<b>Cost Category</b>	<b>Amount</b>	
Land, structures, rights-of-ways, etc.		
Relocation expenses and payments		
Architectural and engineering fees	<b>\$27,475.00</b>	
Demolition and removal		
Construction	<b>\$116,465.00</b>	
Equipment	<b>\$27,325.00</b>	
Materials	<b>\$15,535.00</b>	
Miscellaneous		
<b>TOTAL</b>	<b>\$186,800.00</b>	
<b>Matching Funds</b>		
<b>Source</b>	<b>Amount</b>	<b>Description</b>
Cash Match		
Documentation of Donated Equipment Value, SFN 59169		
Documentation of Donated Labor, SFN 59170	<b>\$9,340.00</b>	MDH100 Group and MDHTA
Documentation of Force Account Labor, SFN 59171	<b>\$28,020.00</b>	Forest Service
Documentation of Donated Material, SFN 59172		
<b>TOTAL MATCHING FUNDS</b>	<b>\$37,360.00</b>	

**Requirement:**

Each application must address each of the following requirements in the order they appear below:

1. A project description sufficient to understand the project. Indicate prominently whether this is primarily construction of new recreation trails; restoration of existing trails; development and rehabilitation of trailside and trailhead facilities and trail linkages; purchase and lease of recreational trail construction and maintenance equipment; land acquisition/ easements; or trail accessibility assessment. Please explain if the application is for one or more phases of a multi-phase project.

This project involves two parts, of which both are on the Maah Daah Hey Trail.

A) Maah Daah Hey Trail Southern Extension Surfacing - Part A is a continuation of construction of the southern 45-miles of the Maah Daah Hey Trail in Billings and Slope Counties. This project continues where the 2015 project leaves off on the Maah Daah Hey National Recreation Trail. The trail would be excavated and cleared where needed, and surfaced with approximately 4" of compacted crushed aggregate at a width of approximately 24" where needed. Where excavation and surfacing is not needed, the trail will be mowed. Waterbars would be constructed in the trail to promote drainage. The attached map shows, in red, the trail segments that would be worked on with this project. Approximately 4.7 miles of trail would be completed, where the trail crosses Rd 767 and south, except for approximately 2,150 feet already completed near then Third Creek Trailhead.

B) Maah Daah Hey Trail Restoration - Part B would restore miles 20.5-37.5 of the Maah Daah Hey Trail. Miles 20.5-37.5 of the Maah Daah Hey are some of the older sections of the trail and are in need of long term repair. Restoration would be accomplished by a contractor operated mini excavator. The attached map shows, in red, the trail segments that would be worked on with this project. Currently areas of the trails are difficult to traverse because of the damage. Since this is restoration of an existing trail, NEPA has already been completed.

2. Clearly defined goals for the project (with a delineation of which user groups would benefit from the project).

The goal of the Maah Daah Hey Trail is to provide non-motorized recreation access to the Little Missouri Badlands, and to enhance recreation experiences through a developed and well-maintained trail system. The trail provides hiking, biking, and horseback riding opportunities through the Badlands.

A) The goal of surfacing the trail is to construct a firm, solid surface that offers stability to the soil, protects the resources, and stands up to horse, bike, and foot traffic.

B) The trail restoration will open up sections of trail that have been difficult to traverse. Currently trail users are having difficulty using this section of trail because of erosion over time and sections where the trail bench has washed away. A mini excavator will bring the trail back to standard, which is ideal for trail users.

3. Costs associated with the project (with estimates of the following components: material/service purchases including hardware, paint, lumber, sand/gravel concrete, landscape materials, signs, design/engineering services, contractor services, equipment rates, equipment costs, and land lease payments). Please reference budget information worksheet, as necessary.

A) Maah Daah Hey Trail Southern Extension Surfacing

4.7 miles of surfacing \$154,295  
TOTAL PART A COST \$154,295

B) Maah Daah Hey Trail Restoration

17 miles of trail restoration \$32,505  
TOTAL PART B COST \$32,505

TOTAL COST OF PROJECT \$186,800

TOTAL RTP FUNDS REQUEST \$149,440

See budget information worksheet for breakdown of costs.

4. Evidence of local/area support (council resolutions, minutes of public meetings, letters of support, etc.). Evidence of MPO support must be included if applicable.

Individuals from throughout North Dakota have volunteered hundreds of hours to help keep the trail in good condition and improve sections of trail. The Maah Daah Hey Trail Association has continued to support the trail and in 2014 they donated and installed water caches along the trail to help aid trail users. Multiple races/events took place on the Maah Daah Hey in 2014. These events include multiple foot races, an adventure race, and bike races such as the Maah Daah Hey 100. Many of these events are looking to expand in 2015 and have seen increased participation/demand from trail users.

5. Availability/access to 20% match for eligible elements of the project proposal. Matching funds must not be from other federal sources such as Transportation Enhancement (TE) or Transportation Alternatives Program (TAP) through the Department of Transportation. A resolution from the sponsor of the project regarding the availability of funds will be required prior to any award of a grant.

15% (\$28,020) – USDA Forest Service appropriated trails funds

5% (\$9,340) – Volunteer labor and Maah Daah Hey Trail Association

6. Evidence of applicant capability to carry out project. For development projects, applicant capability to operate, maintain, and protect trail and facilities when completed).

The Forest Service manages the largest trail system in the world. The Forest Service has the expertise and commitment available to assist the Dakota Prairie Grasslands in constructing and maintaining its growing trail system. Locally, the Forest Service has constructed and improved non-motorized trail since 1994, steadily adding to the quantity and quality of the trail availability along with expertise building and maintaining trail. RTP has been a large supporter of this program development.

## Evaluation Criterion:

All applications must address the following criteria in the order that they appear.

1. **Site and project quality:** consideration of the needs of the intended trail user group(s); aesthetic quality of the trail location; appropriateness of the trail for the intended or existing uses; clarity, detail, and quality of project plan/design; quality of existing development (if any) on site or in corridor; attention to safety, accessibility and health considerations.

The Little Missouri National Grassland provides the highest quality outdoor recreation opportunities in North Dakota. The Forest Service strives to design and construct trails that blend with the natural environment and enable the public to enjoy more of the grasslands. The trails are intended for non-motorized use and are designed and constructed to meet Forest Service standards for safety and federal accessibility guidelines while minimizing conflicts between users.

2. **Public need for and benefit of project:** safety concerns, urgency of action, potential to lose the opportunity, number of people who would benefit from the project when compared to cost. Why should this project be funded? How many people could be expected to use the trail over the course of the year as a result of funding the project?

This project is an extension of a trail project previously funded with RTP funds. Without annual RTP funding this trail would not be completed. This trail provides a safe way for people to enjoy and access public lands. A well-maintained trail system is needed to meet the growing demand for trail activities in North Dakota; the national exposure garnered by the Maah Daah Hey Trail, particularly as a premier mountain bike trail, brings local area residents and out-of-state visitors alike to the grasslands and nearby communities. New and existing businesses realize income from trail users, providing economic stimulus and an opportunity for growth. The associated trails, trailhead facilities, and camping facilities compliment the MDHT and encourage users to remain in the area to enjoy more of what North Dakota has to offer.

3. **Attention to the potential environmental impact of the project and efforts to mitigate adverse effects:** Possible areas of consideration include but are not limited to: noise, odors, dust, surface erosion, fish and wildlife populations, damage to wetlands, or other ecologically sensitive natural resources or historical/archeological remains. All applications are subject to review by the State Historical Society. If sponsor has a recent cultural review letter or document, please include with the application attachments.

This project meets all environmental requirements of the USDA Forest Service including National Environmental Policy Act, Endangered Species Act, and the National Historic Preservation Act. Implementation of this project will help limit erosion and impacts to other grassland resources. The Environmental Assessment for the MDHT northern extension was completed in 1992 and the southern extension was completed in 2007. Both are on file and available on request.

#### 4. Impact on adjoining landowners in the vicinity of the project:

Identify adverse impacts that might be realized as a result of completing the project, and how the project design attempts to mitigate adverse impacts. How might the project improve conditions for adjacent landowners?

A well designed and constructed trail will make traveling safer for the recreation trail user in all conditions. Local ranchers and adjacent landowners are sometimes the first point of contact in the event of injury, breakdown, or being lost in the badlands. An improved trail system with proper construction, signing, and information will reduce the impact on adjoining landowners, increase trail safety, and enhance recreation opportunities for persons of all ages and abilities who visit the area. The development of trailhead and campground facilities of National Forest System land, in association with trail construction, provides additional support for the trail users by providing parking, access, landmarks, restrooms, water, and camping areas, which may also reduce impacts on adjoining landowners.

#### **ATTACHMENTS**

- \* A legible copy of the Warranty Deed (project sponsor must have clear title to the project lands through Warranty Deed).
- \* Project location map. NOTE: Map should be an aerial view that allows project site and its location to be easily identified. Include street names, entrance site, marked trail and mile markers (use Google Maps).
- \* Site Development Plans.
- \* Written assurances/leases that confirm the project will be open for public use.
- \* If applicable, recent past cultural review letters or documents.

## **Certifications Regarding Debarment, Suspension and Other Responsibility Matters, Drug-Free Workplace Requirements and Lobbying**

Persons submitting this form should refer to the regulations referenced below for complete instructions:

Certification Regarding Debarment, Suspension, and Other Responsibility Matters – Primary Covered Transactions – The prospective primary participant further agrees by submitting this proposal that it will include the clause titles, “Certification Regarding Debarment, Suspension, Ineligibility and voluntary Exclusion – Lower Tier Covered Transaction,” provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions. See below for language to be used; use this form for certification and sign; Certification Regarding Drug- Free Workplace Requirements-Alternate I. (Grantees Other Than Individuals) and Alternate II. (Grantees Who are Individuals) – (See Appendix C of Subpart D of 43 CFR Part 12)

Checking the boxes on this form and submitting it provides for compliance with certification requirements under 43 CFR Parts 12 and 18. The certifications shall be treated as a material representation of fact upon which reliance will be placed when the funding agency determines to award the covered transaction, grant, cooperative agreement or loan.

### **PART A: Certification Regarding Debarment, Suspension, and Other Responsibility Matters – Primary Covered Transactions**

CHECK IF THIS CERTIFICATION IS FOR A PRIMARY COVERED TRANSACTION AND IS APPLICABLE.

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
  1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
  2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
  3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
  4. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default
2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

### **Part B: Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – Lower Tier Covered Transactions**

CHECK IF THIS CERTIFICATION IS FOR A LOWER TIER COVERED TRANSACTION AND IS APPLICABLE.

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

- Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

**Part C: Certification Regarding Drug-Free Workplace Requirements**

CHECK IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS NOT AN INDIVIDUAL

Alternate I. (Grantees Other Than Individuals)

- The grantee certifies that it will or continue to provide a drug-free workplace by:
  - (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
  - (b) Establishing an ongoing drug-free awareness program to inform employees about-
    - The dangers of drug abuse in the workplace;
    - The grantee's policy of maintaining a drug-free workplace;
    - Any available drug counseling, rehabilitation, and employee assistance programs; and
    - The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
  - (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
  - (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will –
    - Abide by the terms of the statement; and
    - Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
  - (e) Notifying the agency in writing, within 10 calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification numbers (s) of each affected grant;
  - (f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted—
    - Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
    - Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
  - (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a),(b),(c),(d),(e) and (f).
- The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant: Place of Performance (Street address, city, county, state, zip code)

Address Line 1:	USDA Forest Service
Address Line 2:	99 23rd Ave W, Suite B
City:	Dickinson
State:	ND
Zip:	58601

Check if there are workplaces on file that are not identified here

## Part D: Certification Regarding Drug-Free Workplace Requirements

CHECK IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS AN INDIVIDUAL

Alternate II. (Grantees Who Are Individuals)

1. The grantee certifies that, as a condition of the grant, he or she will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant;
2. If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, he or she will report the conviction, in writing, within 10 calendar days of the conviction, to the grant officer or other designee, unless the Federal agency designates a central point for the receipt of such notices. When notice is made to such a central point, it shall include the identification number (s) of each affected grant.

## Part E: Certification Regarding Lobbying

### Certification for Contracts, Grants, Loans, and Cooperative

CHECK IF CERTIFICATION IS FOR THE AWARD OF ANY OF THE FOLLOWING AND THE AMOUNT EXCEEDS \$100,000: A FEDERAL GRANT OR COOPERATIVE AGREEMENT; SUBCONTRACT, OR SUBGRANT UNDER THE GRANT OR COOPERATIVE AGREEMENT.

CHECK IF CERTIFICATION IS FOR THE AWARD OF A FEDERAL LOAN EXCEEDING THE AMOUNT OF \$150,000, OR A SUBGRANT OR SUBCONTRACT EXCEEDING \$100,000, UNDER THE LOAN

The undersigned certifies, to the best of his or her knowledge and belief, that:

1. No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

**As the authorized certifying official, I hereby certify that the above specified certifications are true and that all information in this application is accurate to the best of my knowledge:**

For information of how to digitally sign this document, click on this link: "<http://kb.its.psu.edu/node/2127>"

**KAREN DUNLAP**  
Digitally signed by KAREN DUNLAP  
DN: cn=US, o=U.S. Government, ou=Department of  
Agriculture, cn=KAREN DUNLAP,  
0.9.2342.19200300.100.1.1=12001000421212  
Date: 2015.01.29 11:52:59 -0600

**Responsible Official's Signature**

**Acting Medora District Ranger**

**Responsible Official's Title**

**USDA Forest Service**

**Political Subdivision (Project Sponsor)**

**01/29/15**

**Date**

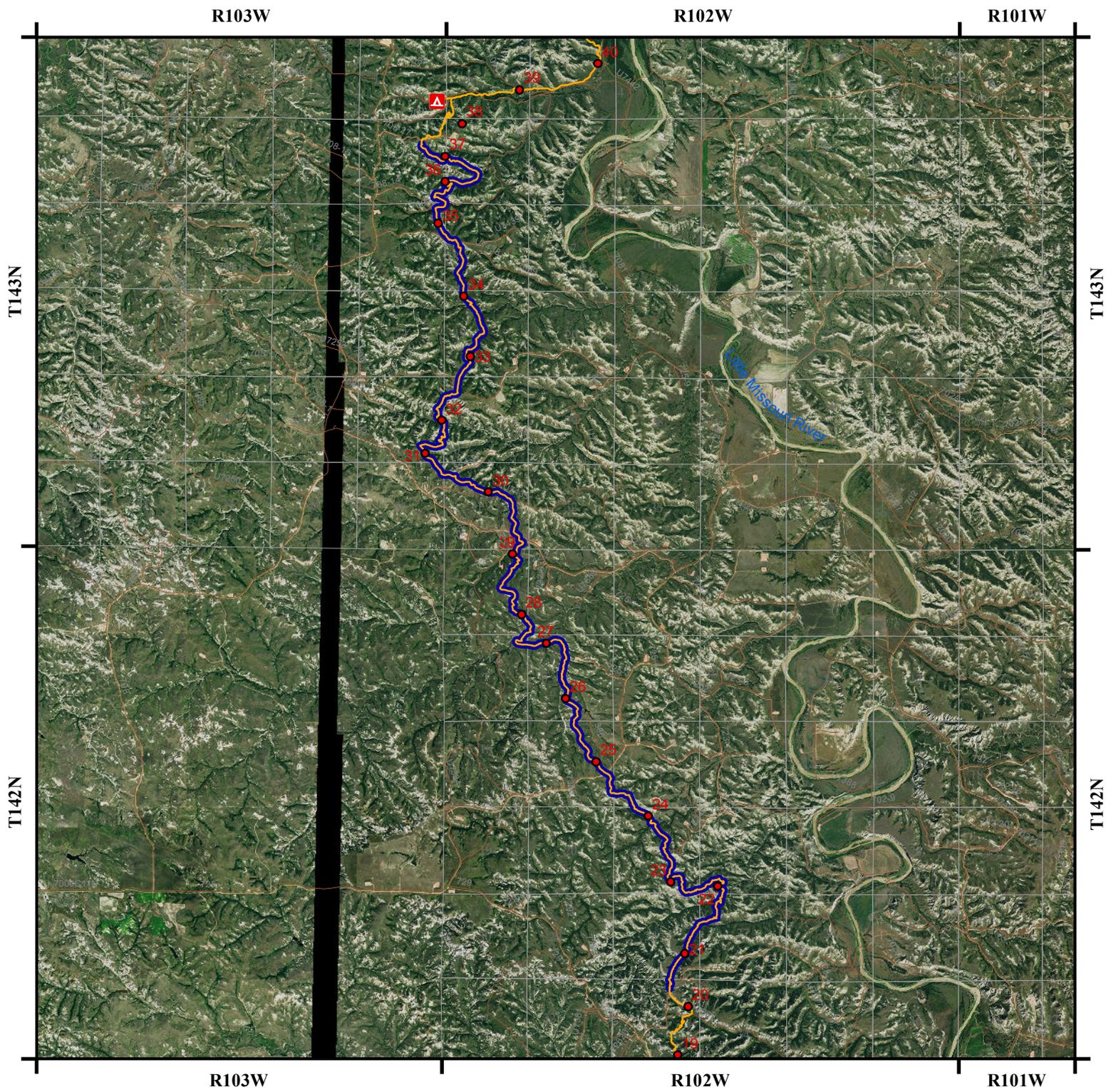
**Please submit one electronic copy by 1:00 P.M. CST on January 30, 2015 to:**

**Electronic Copy:**

**If you have any questions, please contact Kevin Stankiewicz at 701-328-5364 or [kstankiewicz@nd.gov](mailto:kstankiewicz@nd.gov)**

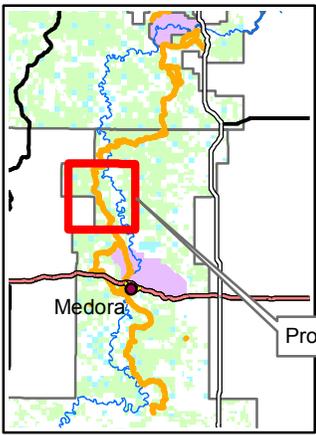
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- \* Site Development Plans.
- \* Written assurances/leases that confirm the project will be open for public use.
- \* If applicable, recent past cultural review letters or documents.
- \* If applicable, written confirmation of MPO approval.



**2016 RTP Part B**  
**Maah Daah Hey Trail Restoration**  
**Little Missouri National Grassland**  
**Medora Ranger District**  
**Billings and Golden Valley Counties, ND**

Restoration - 17 miles of trail from Mile 20.5 to 37.5



Project Area



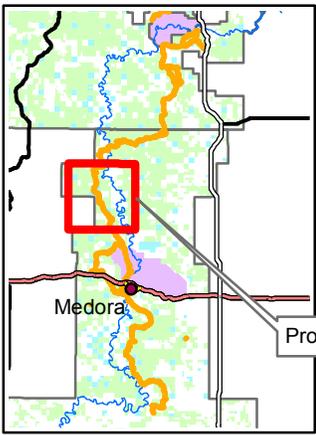
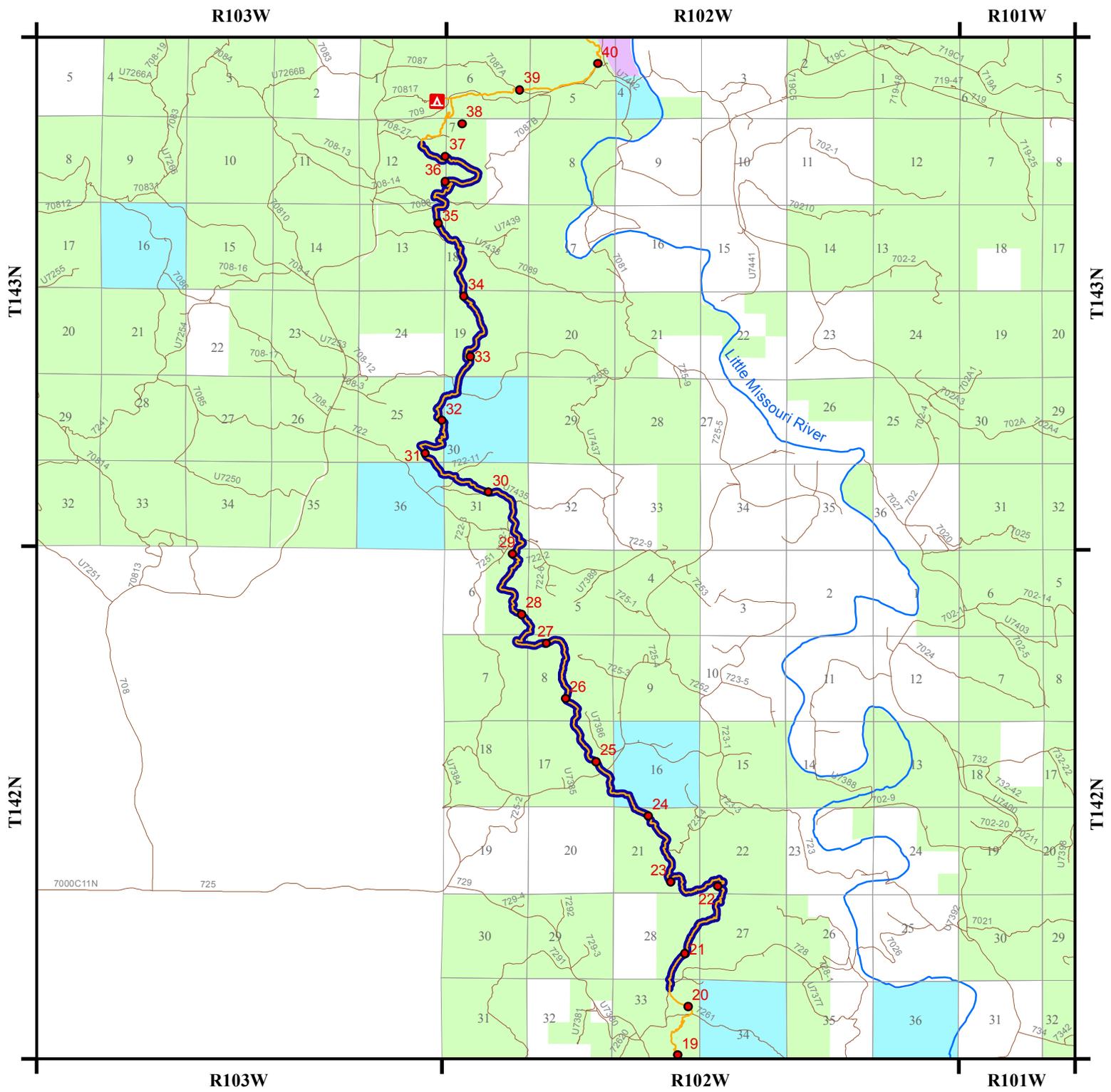
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Map by: Greg Morel 1/29/2015



**Legend**

- Mile Marker Post
- TH Trailhead
- ▲ Campground
- Maah Daah Hey Trail
- 2016 RTP Restoration
- National Grassland
- Private
- National Park Service
- State



**2016 RTP Part B**  
**Maah Daah Hey Trail Restoration**  
**Little Missouri National Grassland**  
**Medora Ranger District**  
**Billings and Golden Valley Counties, ND**

Restoration - 17 miles of trail from Mile 20.5 to 37.5

0 0.75 1.5 3 Miles

1:100,000



- Legend**
- Mile Marker Post
  - TH Trailhead
  - ▲ Campground
  - Maah Daah Hey Trail
  - 2016 RTP Restoration
  - National Grassland
  - Private
  - National Park Service
  - State

R101W

T137N

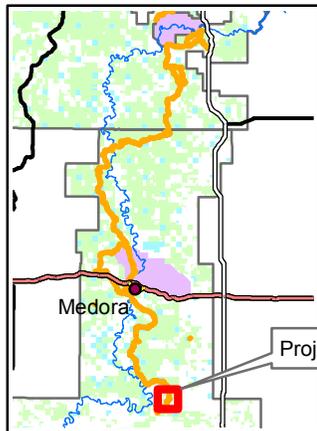
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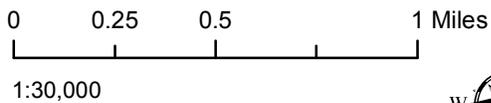
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**2016 RTP Part A  
Maah Daah Hey Trail Surfacing  
Little Missouri National Grassland  
Medora Ranger District  
Billings and Slope Counties, ND**

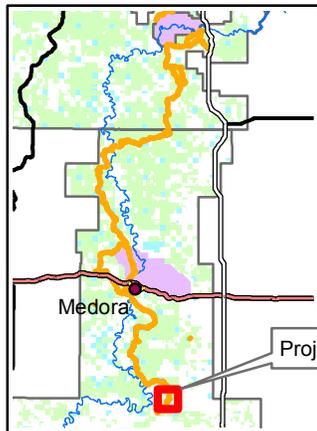
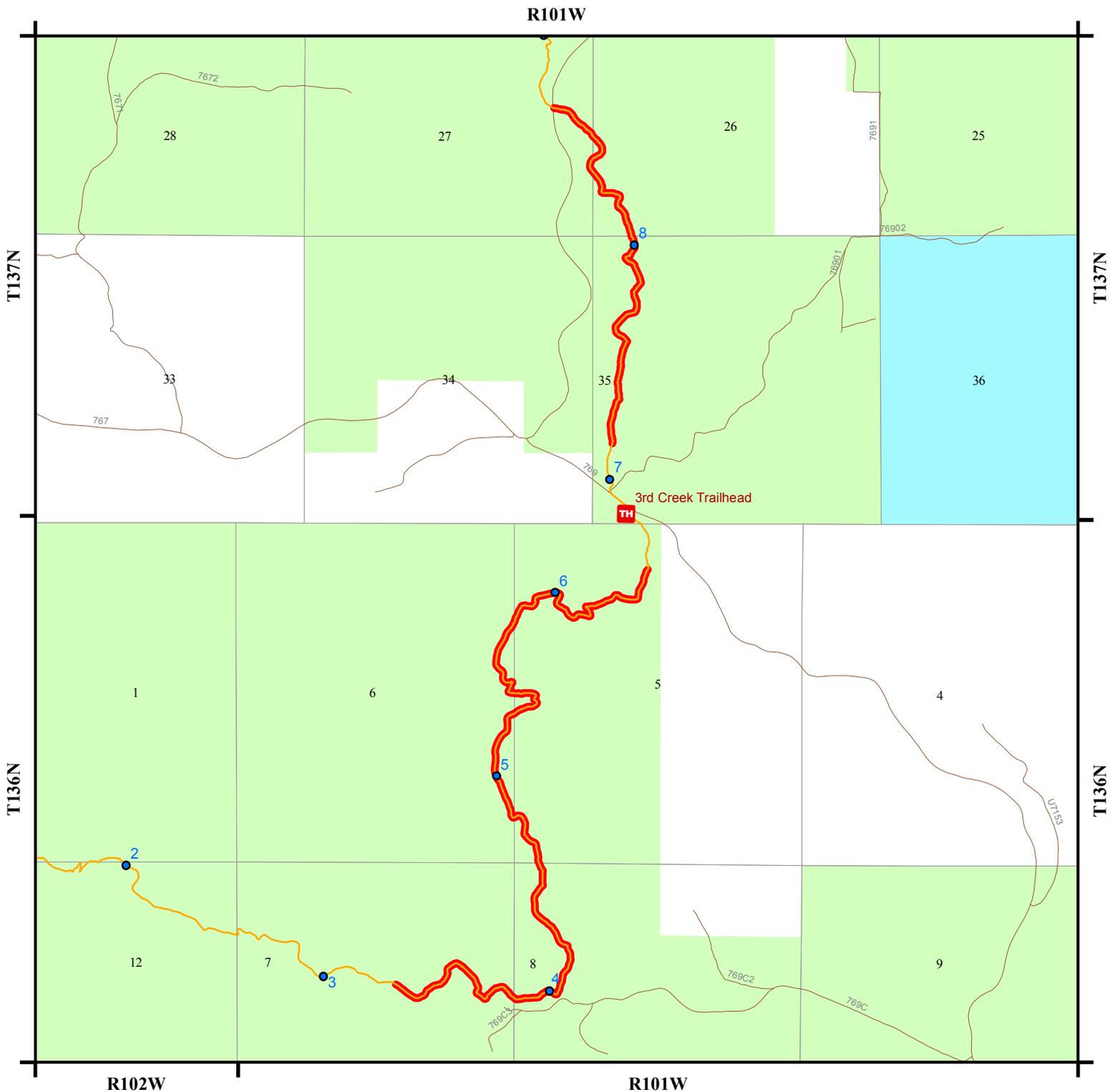
Surfacing - 4.7 miles of trail



**Legend**

- Mile Marker Post
- Trailhead
- Campground
- Maah Daah Hey Trail
- RTP 2016 Surfacing
- National Grassland
- Private
- National Park Service
- State

Map by: Greg Morel 1/29/2015



**2016 RTP Part A**  
**Maah Daah Hey Trail Surfacing**  
**Little Missouri National Grassland**  
**Medora Ranger District**  
**Billings and Slope Counties, ND**

Surfacing - 4.7 miles of trail

0 0.25 0.5 1 Miles

1:30,000

Map by: Greg Morel 1/29/2015



Legend	
	Mile Marker Post
	Trailhead
	Campground
	Maah Daah Hey Trail
	RTP 2016 Surfacing
	National Grassland
	Private
	National Park Service
	State

STATE OF NORTH DAKOTA  
BOARD OF UNIVERSITY AND SCHOOL LANDS

The State of North Dakota acting through the Board of University and School Lands (GRANTOR), in consideration of \$37,306.23, which has been received, conveys to North Dakota Parks and Recreation Department, 1835 Bismarck Expressway, Bismarck, North Dakota 58504 (GRANTEE), an easement to construct, operate, maintain and remove one recreational trail known as the Maah-Daah-Hey Trail with the right of ingress and egress, over certain land in the NE4, SE4, Section 14, T141N, R102W; SW4, Section 16, T142N, R102W; SW4, Section 34, T142N, R102W; NW4, SW4, Section 30, T143N, R102W; SE4, Section 16, T144N, R102W, Billings County; NE4, Section 36, T143N, R103W, Golden Valley County; NE4, NW4, SW4, Section 36, T146N, R100W; NE4, NW4, SW4, Section 16, T147N, R99W, McKenzie County, North Dakota, hereafter referred to as the "easement area", which is a strip of land 20 feet wide, 10 feet on each side of the following described centerline:

**BILLINGS COUNTY**

**14-141-102 NE4:** From the northeast corner of Section 14, a 1987 BLM aluminum cap, thence S00°10'W 1,325.50 feet on the east section line of Section 14 to the point of beginning, which is the centerline of the Maah-Daah-Hey Recreational Trail; thence N28°01'W 165.80 feet; thence N45°44'W 386.80 feet; thence N19°55'W 161.20 feet; thence N39°08'W 307.10 feet; thence N42°31'E 258.20 feet; thence N05°35'E 81.00 feet; thence N23°49'W 272.30 feet to the point of ending on the north section line 534.80 feet west of the northeast corner of said Section 14. The centerline is 1,632.40 feet or 98.93 rods long, and the easement area contains 0.75 acres, more or less. The easement area is further described and illustrated in **Exhibit "A"** which is attached to and is a part of this easement.

**14-141-102 SE4:** From the southeast corner of Section 14, a 1950 BLM brass cap, thence N00°10'E 175.00 feet on the east section line of Section 14 to the point of beginning, which is the centerline of the Maah-Daah-Hey Recreational Trail; thence N81°00'W 180.00 feet; thence N51°00'W 580.00 feet; thence S85°00'E 374.60 feet; thence N34°27'W 155.40 feet; thence N09°32'W 340.40 feet; thence N36°19'W 757.90 feet; thence N57°02'E 243.70 feet; thence N31°51'E 265.80 feet; thence N58°40'E 225.40 feet; thence N34°37'E 320.30 feet; thence N59°29'E 157.70 feet to a point of ending on the east section line 2,253.50 feet north of the southeast corner of said Section 14. The centerline is 3,601.20 feet or 218.25 rods long, and the easement area contains 1.65 acres, more or less. The easement area is further described and illustrated in **Exhibit "A"** which is attached to and is a part of this easement.

**14-141-102 SE4 (Buffalo Gap Extension):** From the SE1/16 corner position, a 2001 USFS Brass Cap, then N89°56'21"W 326.25 feet, to the point of beginning, which is the centerline of the Buffalo Gap trail, #7010; then S39°32'52"E 256.00 feet; then S30°05'19"E 297.00 feet; then S59°16'00"E 39.00 feet; then N02°42'44"E 27.00 feet; then N09°47'35"E 130.00 feet; then N29°54'31"E 75.00 feet; then N48°24'23"E 80.00 feet; then N60°22'32"E 83.00 feet; then N81°23'52"E 80.00 feet; then S86°30'24"E 46.00 feet; then S69°29'57"E 40.00 feet; then S60°05'25"E 126.00 feet; then S51°20'52"E 158.00 feet; then S40°41'39"E 239.00 feet; then S49°08'20"E 80.00 feet; then S37°56'46"E 83.00 feet; then S59°19'45"E 42.00 feet to the point of ending which is the existing Maah-Daah-Hey Trail right of way limits, which is N31°08'03"W 790.00 feet from the southeast corner position, a 1950 BLM Brass Cap. The centerline is 1,881.00 feet or 114.00 rods long, and the easement area contains 0.86 acres, more or less. The easement area is further described and illustrated in **Exhibit "B"** which is attached to and is a part of this easement.

**16-142-102 SW4:** From the southwest corner of Section 16, a 1982 BLM aluminum cap, thence N89°46'E 1,186.00 feet on the south section line of Section 16 to the point of beginning, which is the centerline of the Maah-Daah-Hey Recreational Trail; thence N20°21'W 70.20 feet; thence N17°19'W 171.20 feet; thence N17°49'W 227.50 feet; thence N24°11'W 139.50 feet; thence N18°07'W 158.50 feet; thence N86°34'W 207.70 feet; thence N43°12'W 76.50 feet; thence N69°11'W 129.80 feet; thence N86°25'W 175.30 feet; thence S81°32'W 130.60 feet; thence N85°51'W 154.40 feet; thence N72°18'W 99.00 feet to the point of ending on the west section line 875.90 feet north of the southwest corner of said Section 16. The centerline is 1,740.20 feet or 105.47 rods long, and the easement area contains 0.80 acres, more or less. The easement area is further described and illustrated in **Exhibit "C"** which is attached to and is a part of this easement.

**34-142-102 SW4:** From the southwest corner of Section 34 witnessed by an original stone 10, links east of the corner, thence S89°56'02"E 743.37 feet on the south section line of Section 34 to the point of beginning, which is the centerline

of the Maah-Daah-Hey Recreational Trail; thence N62°56'23"W 156.50 feet; thence N79°51'54"W 181.21 feet; thence N49°59'54"W 293.47 feet; thence S84°21'53"W 202.44 feet to the point of ending on the west section line 272.79 feet north of the southwest section corner of said Section 34. The centerline is 833.62 feet or 50.52 rods long, and the easement area contains 0.38 acres, more or less. The easement area is further described and illustrated in **Exhibit "D"** which is attached to and is a part of this easement.

**30-143-102 NW4:** From the northwest corner of Section 30, a 1983 BLM aluminum cap, thence S00°01'53"E 1,141.41 feet on the west section of Section 30 to the point of beginning, which is the centerline of the Maah-Daah-Hey Recreational Trail; thence N74°03'04"E 158.33 feet; thence S84°00'34"E 110.34 feet; thence N60°30'52"E 186.23 feet; thence S88°58'51"E 225.60 feet; thence N54°09'28"E 129.53 feet; thence N00°11'03"W 79.29 feet; thence N17°36'32"W 251.89 feet; thence N28°50'14"E 289.84 feet; thence N04°11'30"E 273.89 feet; thence N29°40'21"W 115.23 feet to the point of ending on the north section line 781.59 feet east of the northwest corner of said Section 30. The centerline is 1,820.17 feet or 110.31 rods long, and the easement area contains 0.84 acres, more or less. The easement area is further described and illustrated in **Exhibit "E"** which is attached to and is a part of this easement.

**30-143-102 SW4:** From the southwest corner of Section 30, a 1994 BLM brass cap, thence N00°01'53"W 1,591.20 feet on the west section line of Section 30 to the point of beginning, which is the centerline of the Maah-Daah-Hey Recreational Trail; thence N34°20'16"E 33.40 feet; thence N08°56'12"W 121.82 feet to a point of ending on the west section line 895.15 feet south of the west quarter corner of said Section 30. The centerline is 155.22 feet or 9.41 rods long, and the easement area contains 0.07 acres, more or less. The easement area is further described and illustrated in **Exhibit "E"** which is attached to and is a part of this easement.

**16-144-102 SE4:** From the south quarter corner of Section 16, a 1996 Forest Service brass cap, thence N89°52'33"E 20.05 feet on the south section line of Section 16 to the point of beginning, which is the centerline of the Maah-Daah-Hey Recreational Trail; thence N48°41'07"E 215.80 feet; thence S82°00'00"E 100.00 feet; thence N71°28'46"E 610.54 feet; thence N44°00'00"E 100.00 feet; thence N04°15'53"E 149.44 feet; thence N34°19'49"E 693.37 feet; thence N72°22'13"E 550.64 feet; thence N89°19'58"E 299.08 feet; thence N62°34'24"E 539.80 feet to the point of ending on the east section line 1,031.93 feet north of the southeast corner of said Section 16, a 1942 BLM brass cap. The centerline is 3,258.67 feet or 197.50 rods long, and the easement area contains 1.50 acres, more or less. The easement area is further described and illustrated in **Exhibit "F"** which is attached to and is a part of this easement.

**GOLDEN VALLEY COUNTY**

**36-143-103 NE4:** From the northeast corner of Section 36, a 1994 BLM brass cap, thence S00°21'E 706.51 feet on the east section line of Section 36 to the point of beginning, which is the centerline of the Maah-Daah-Hey Recreational Trail; thence N78°43'W 176.60 feet; thence N36°19'W 71.40 feet; thence N08°36'W 99.40 feet; thence N20°31'W 127.00 feet; thence N44°16'W 216.60 feet; thence N34°52'W 297.00 feet to the point of ending on the north section line 591.30 feet west of the northeast corner of said Section 36. The centerline is 988.00 feet or 59.88 rods long, and the easement area contains 0.45 acres, more or less. The easement area is further described and illustrated in **Exhibit "G"** which is attached to and is a part of this easement.

**MCKENZIE COUNTY**

**36-146-100 NE4, NW4, SW4:** From the southwest corner of Section 36, a 1981 BLM aluminum cap, thence N00°01'00"W 10.00 feet on the west section line of Section 36 to the point of beginning, which is the centerline of the Maah-Daah-Hey Recreational Trail; thence N38°36'01"E 55.88 feet; thence N08°50'32"E 342.78 feet; thence N59°38'50"E 282.08 feet; thence S82°18'55"E 359.18 feet; thence N57°08'11"E 175.97 feet; thence N11°10'11"E 345.97 feet; thence N55°11'19"E 524.18 feet; thence N85°17'56"E 557.09 feet; thence N48°40'35"E 700.40 feet; thence N09°16'26"E 203.18 feet; thence N22°21'03"W 488.22 feet; thence N44°57'30"W 352.57 feet to a point on the west quarter line of said Section 36; thence N29°07'45"W 168.06 feet; thence N45°58'08"W 208.99 feet; thence N30°00'00"W 196.96 feet; thence N33°00'00"E 100.00 feet; thence N56°00'00"W 95.00 feet; thence N03°34'00"E 572.39 feet; thence N26°00'00"E 100.00 feet; thence N74°32'47"E 193.93 feet; thence N05°58'21"W 296.18 feet; thence N43°30'00"E 195.26 feet; thence N76°52'04"E 419.91 feet; thence N68°29'51"E 214.38 feet to a point on the north quarter line of said Section 36; thence N60°31'54"E 294.35 feet; thence N09°59'56"E 399.42 feet; thence N29°32'47"E 199.78 feet to the point of ending on the north section line 425.49 feet east of the north quarter corner of said Section 36, an original stone monument. The centerline is 8,042.12 feet or 487.40 rods (NE4=893.55 feet or 54.15 rods; NW4=2,761.07 feet or 167.34 rods, SW4=4387.50 feet or 265.91 rods) long, and the easement area contains 3.69 acres (NE4=0.41,

**EASEMENT: Recreational Trail**

**ROW #4617**

NW4=1.27, SW4=2.01), more or less. The easement area is further described and illustrated in **Exhibit "H"** which is attached to and is a part of this easement.

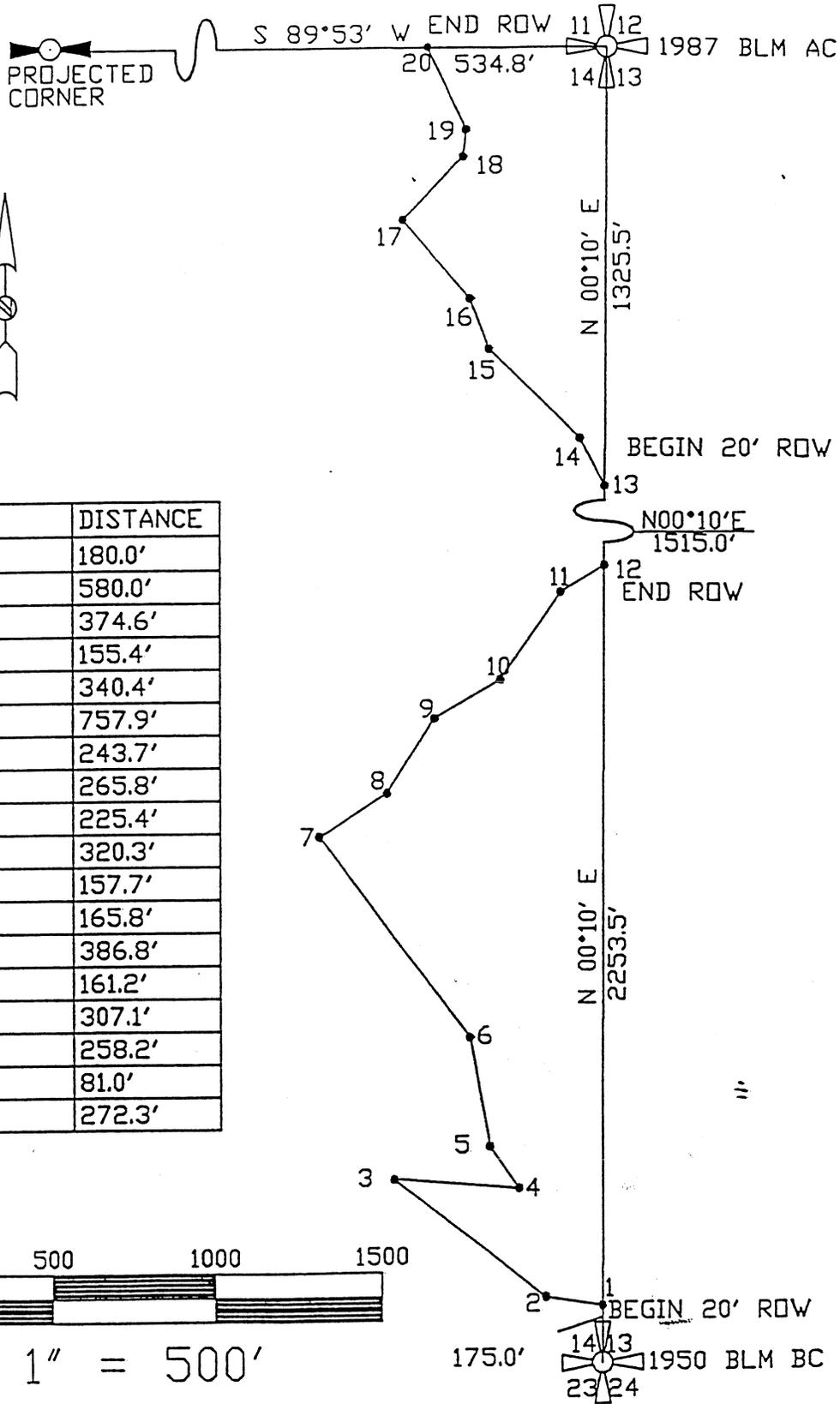
**16-147-99 NE4, NW4, SW4:** Beginning at a point on the west section line 1,546.40 feet north of the southwest corner of Section 16, which is the centerline of the Maah-Daah-Hey Recreational Trail, thence S88°30'E 180.10 feet; thence N21°13'E 251.20 feet; thence N01°10'E 493.20 feet; thence N88°48'E 414.70 feet; thence S83°37'E 463.60 feet; thence N80°29'E 633.00 feet; thence N63°13'E 237.50 feet; thence N27°24'E 565.30 feet; thence N32°22'E 273.70 feet; thence N22°37'E 880.80 feet; thence N48°24'W 244.00 feet; thence N03°12'E 206.60 feet; thence N16°04'E 203.10 feet; thence N35°15'E 251.40 feet; thence N64°46'E 185.70 feet; thence N81°37'E 286.10 feet; thence S82°05'E 174.70 feet; thence S68°05'E 371.80 feet; thence N81°35'E 425.90 feet; thence N53°04'E 724.60 feet; thence N59°33'E 235.10 feet to a point of ending on the north line of said Section 16, said point being located along said north line a distance of 333.70 feet east of the northeast section corner of said Section 16. The centerline is 7,702.10 feet or 466.79 rods (NE4=2,655.30 feet or 160.93 rods, NW4=1,661.04 feet or 100.67 rods, SW4=3,385.76 feet or 205.20 rods) long, and the easement area contains 3.54 acres (NE4=1.22 acres, NW4=0.76 acres, SW4=1.56 acres) more or less. The easement area is further described and illustrated in **Exhibit "I"** which is attached to and is a part of this easement.

The centerline is 31,654.70 feet or 1,918.47 rods long, and the easement area contains 14.53 acres, more or less. The easement area is further described and illustrated in **Exhibits "A", "B", "C", "D", "E", "F", "G", "H", and "I"** which are attached to and are a part of this easement.

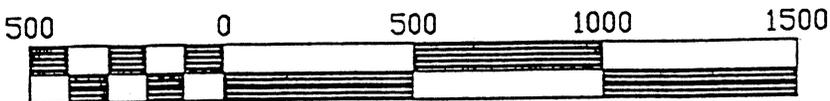
1. The term of this easement is **25 years beginning May 29, 2004.**
2. GRANTOR and GRANTEE each agrees to assume its own liability for any and all claims of any nature including all costs, expenses and attorneys' fees which may in any manner result from or arise out of this agreement. When entering into an agreement with a third party that allows use of the easement area, such as a concessionaire agreement, GRANTEE shall include in the agreement the liability, indemnification, and insurance provisions as may be recommended by the North Dakota Office of Management and Budget Risk Management Division. In addition, GRANTEE shall include in such agreements the requirement that the third party shall indemnify, save and hold harmless the State of North Dakota, its agencies, officers and employees from any and all claims of any nature, including costs, expenses and attorneys' fees which may in any manner arise out of or result from acts or omissions in the agreement or performing work or activities under an agreement, except for claims arising out of the State's sole negligence.
3. GRANTEE shall install and maintain trail markers that clearly mark the trail location.
4. GRANTEE shall ensure that all livestock feed carried across the easement area or fed to livestock traveling on the easement area, is limited to weed free pellets or certified weed free hay.
5. Feeding, watering, and pasturing of trail riding stock and camping is prohibited on state owned land.
6. Motorized vehicles are prohibited on the easement area except for law enforcement, trail maintenance, emergency, or land management purposes.
7. GRANTEE shall take necessary precautions to prevent littering and shall clean up and dispose of litter caused by the use or operation of the recreational trail.
8. GRANTEE shall install and maintain gates on any fencelines crossed and make a satisfactory settlement with the tenant for damage to fences, improvements, or other property owned by the tenant, caused by GRANTEE or users of the trail.
9. GRANTEE shall immediately repair, stabilize, and revegetate areas impacted from trail use. Any disturbed areas which may require reclamation and stabilization shall be revegetated with a mixture of **native** perennial grasses, as shown on **Exhibit "J"**, which is attached hereto and is made a part of this easement.
10. GRANTEE shall control all noxious weeds in the easement area.

11. If, prior to or during construction or maintenance, archeological or paleontological items are discovered or such items are disturbed, GRANTEE shall cease construction or maintenance activities immediately. GRANTEE shall then promptly notify GRANTOR and must not resume construction or maintenance until written approval is given by GRANTOR.
12. Through this easement, GRANTEE is not acquiring any subsurface interest. Subsurface interests include, but are not limited to oil, gas, coal, cement materials, sodium sulfate, sand and gravel, scoria, road material, building stone, chemical substances, metallic ores, uranium ores, or colloidal or other clays. If any subsurface interest is or will likely be excluded from mining or development because of the presence of this easement or the recreational trail allowed by this easement, or if the location of the recreational trail interferes or will likely interfere with the mining or development of subsurface interests outside of the easement area, then GRANTOR, in its discretion, has the right to terminate those portions of this easement that GRANTOR deems as interfering with mining or development of subsurface interests. GRANTOR will give GRANTEE at least sixty (60) days prior written notice of termination under this paragraph. If GRANTEE wishes to have the recreational trail relocated on GRANTOR'S land and if GRANTOR determines that a suitable location exists, GRANTOR agrees to amend this easement for the relocated recreational trail without additional compensation, but GRANTEE shall bear all relocation costs.
13. This easement may be terminated by GRANTEE provided 60 days advance written notice is given to GRANTOR. Upon termination or expiration of this easement for any reason, GRANTEE agrees to remove all improvements placed on easement premises by GRANTEE or its agent and to reclaim the premises in accordance with a plan approved by GRANTOR.
14. GRANTOR neither warrants nor agrees to defend title to the easement area.
15. This easement is not exclusive. GRANTOR reserves the right to use and enjoy said premises or allow others to use any part of it for purposes which GRANTOR determines are compatible with the trail, including but not limited to the right to lease the property, and other adjoining property, for grazing and mineral development purposes.
16. This easement is not transferable.
17. This easement is subject to all existing easements and nothing in this easement supercedes any rights previously granted.
18. If GRANTOR determines at any time during the existence of the easement, that the easement negatively interferes with or affects in any manner and to any extent the marketability, market value, development, or the value for development of state-owned land in Section 14, T141N R102W, Section 16, T142N R102W, Section 34, T142N R102W, Section 30, T143N R102W, Section 16, T144N R102W, Billings County; Section 36, T143N R103W, Golden Valley County; Section 36, T146N R100W, Section 16, T147N R99W, McKenzie County, North Dakota, GRANTOR may take any one of the following actions. One, terminate this easement. Two, require GRANTEE at GRANTEE'S expense to move the recreational trail to another location within the affected tract, if it is determined by the GRANTOR that a suitable location exists within the tract. Three, require GRANTEE to compensate GRANTOR, at the amount set by the GRANTOR, for the loss GRANTOR incurs because of the easement's presence. The rights given in this paragraph are personal to the GRANTOR and only the GRANTOR may exercise them.
19. This easement is also subject to the conditions in Exhibits "A", "B", "C", "D", "E", "F", "G", "H", "I", and "J" which are attached and made a part of this easement.





NUMBER	DIRECTION	DISTANCE
1-2	N 81°00' W	180.0'
2-3	N 51°00' W	580.0'
3-4	S 85°00' E	374.6'
4-5	N 34°27' W	155.4'
5-6	N 09°32' W	340.4'
6-7	N 36°19' W	757.9'
7-8	N 57°02' E	243.7'
8-9	N 31°51' E	265.8'
9-10	N 58°40' E	225.4'
10-11	N 34°37' E	320.3'
11-12	N 59°29' E	157.7'
13-14	N 28°01' W	165.8'
14-15	N 45°44' W	386.8'
15-16	N 19°55' W	161.2'
16-17	N 39°08' W	307.1'
17-18	N 42°31' E	258.2'
18-19	N 05°35' E	81.0'
19-20	N 23°49' W	272.3'



Scale 1" = 500'

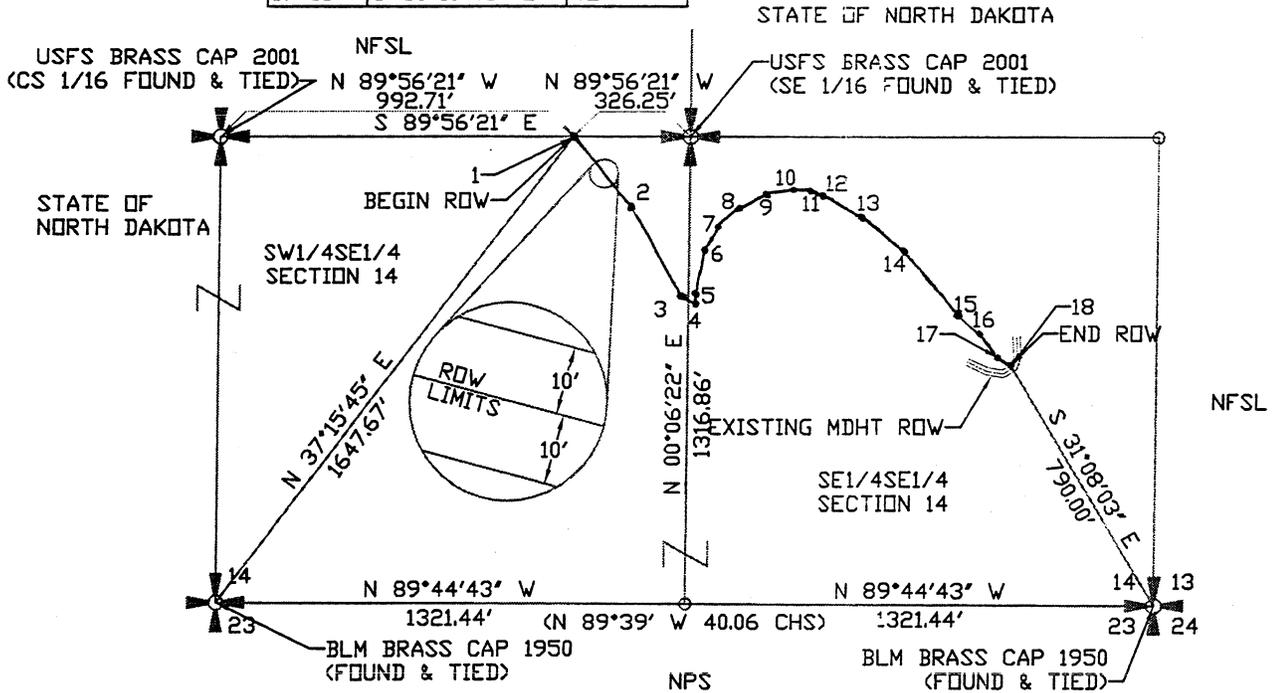
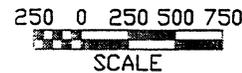
DRAWN BY: M.AUGHTMAN	PROJECT	SHT. NAME	SHT. NO.
DATE: 03/29/98	Section 14 T141N R102W		
DWG. NO.:	MAAH DAAH HEY TRAIL		
APPROVED BY:	North Dakota State School Lands		

BUFFALO GAP TRAIL #7010  
MEDORA RANGER DISTRICT  
SECTION 14, T141N, R102W, 5th P.M.

NUMBER	DIRECTION	DISTANCE
1-2	S 39°32'52" E	256'
2-3	S 30°05'19" E	297'
3-4	S 59°16'00" E	39'
4-5	N 02°42'44" E	27'
5-6	N 09°47'35" E	130'
6-7	N 29°54'31" E	75'
7-8	N 48°24'23" E	80'
8-9	N 60°22'32" E	83'
9-10	N 81°23'52" E	80'
10-11	S 86°30'24" E	46'
11-12	S 69°29'57" E	40'
12-13	S 60°05'25" E	126'
13-14	S 51°20'52" E	158'
14-15	S 40°41'39" E	239'
15-16	S 49°08'20" E	80'
16-17	S 37°56'46" E	83'
17-18	S 59°19'45" E	42'

LEGEND

- PROJECTED CORNER
- TRAIL CENTERLINE
- ROW RIGHT OF WAY
- NFSL NATIONAL FOREST SYSTEM LAND
- < > RECORD BLM 1950
- MDHT MAAH DAH HEY TRAIL
- NPS NATIONAL PARK SERVICE



U.S. DEPARTMENT OF AGRICULTURE-FOREST SERVICE-REGION ONE		
DAKOTA PRAIRIE GRASSLANDS RIGHT-OF-WAY PLAT	R/W LENGTH <u>1881</u>	SURVEYOR <u>M. AUGHTMAN</u>
A PART OF SECTION 14, T141N, R102W, 5TH P.M.	R/W WIDTH <u>20'</u>	DATE <u>6-2001</u>
COUNTY OF <u>BILLINGS</u>	( <u>10'</u> EACH SIDE OF CENTERLINE)	METHOD <u>RTK GPS</u>
STATE OF <u>NORTH DAKOTA</u>	R/W ACRES <u>0.86</u>	DATE OF PLAT <u>7-2001</u>
PROJECT <u>BUFFALO GAP TRAIL</u>	ORIGIN OF BEARING	PLOTTED BY <u>L. OLHEISER</u>
	RTK GPS	APPROVED BY: <i>[Signature]</i>
	S. LINE SECTION 14	GRASSLAND ENGINEER
SHEET <u>1</u> OF <u>1</u>		DATE <u>8/2/01</u>

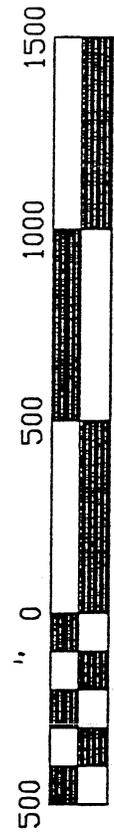
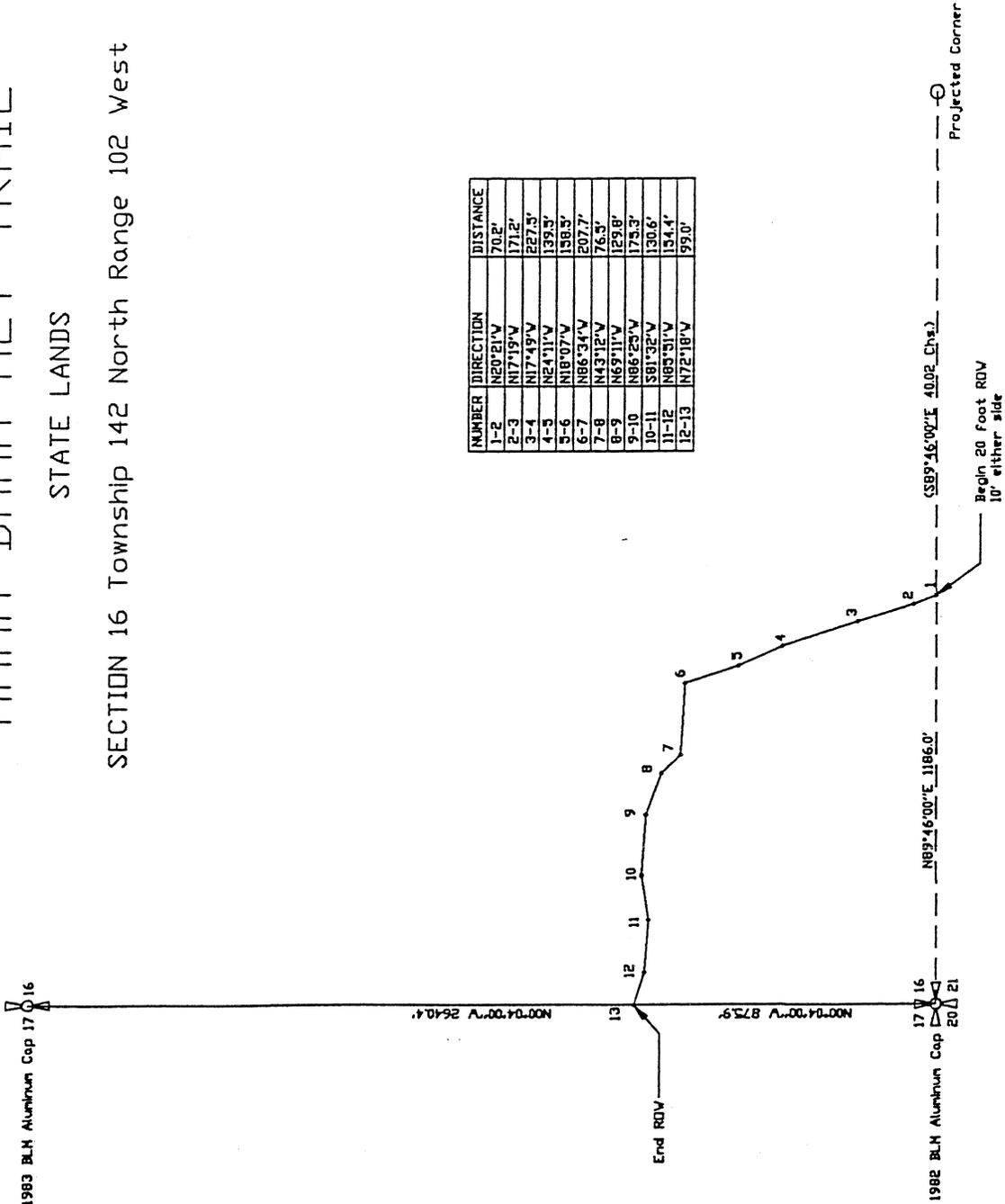
# MAAH DAAH HEY TRAIL

STATE LANDS

SECTION 16 Township 142 North Range 102 West



NUMBER	DIRECTION	DISTANCE
1-2	N20°21'V	70.2'
2-3	N17°19'V	171.2'
3-4	N17°19'V	227.3'
4-5	N24°11'V	139.3'
5-6	N18°07'V	158.3'
6-7	N86°34'V	207.7'
7-8	N43°12'V	76.3'
8-9	N69°11'V	129.8'
9-10	N86°23'V	173.3'
10-11	S81°32'V	130.6'
11-12	N89°31'V	134.4'
12-13	N72°18'V	99.0'

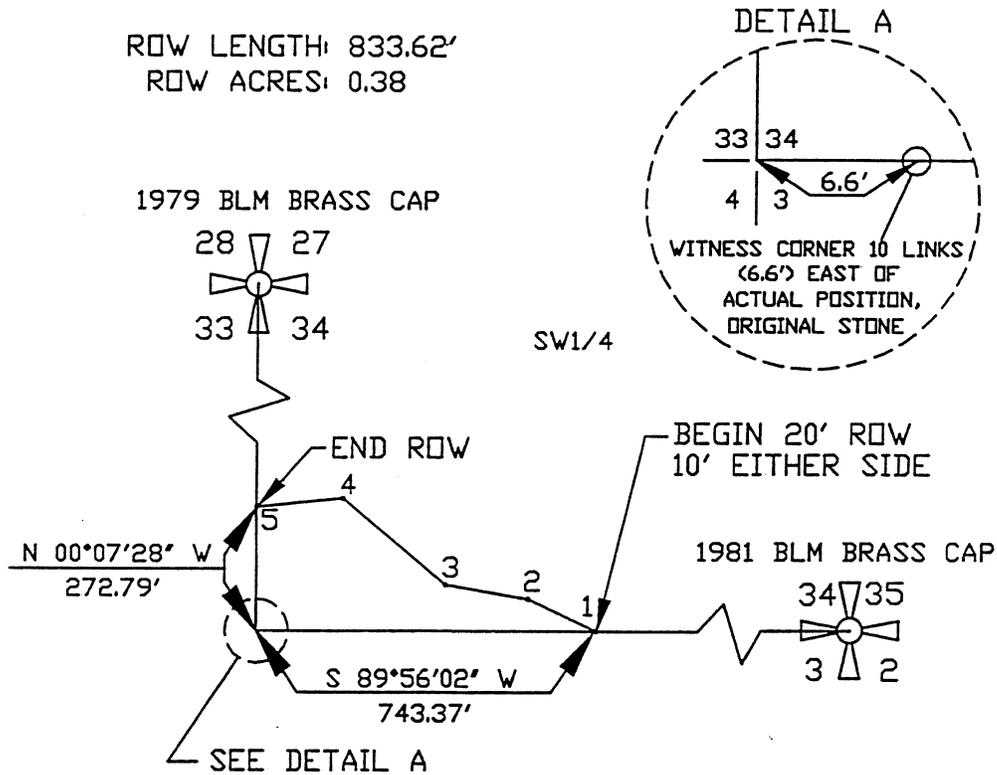


# MAAH DAAH HEY TRAIL

## STATE OF NORTH DAKOTA SCHOOL LANDS

### SECTION 34, T142N, R102W, 5th P.M.

ROW LENGTH: 833.62'  
ROW ACRES: 0.38



NUMBER	DIRECTION	DISTANCE
1-2	N 62°56'23" W	156.50'
2-3	N 79°51'54" W	181.21'
3-4	N 49°59'54" W	293.47'
4-5	S 84°21'53" W	202.44'



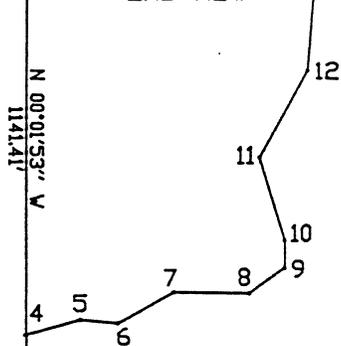
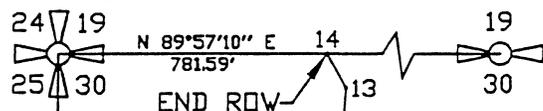
# MAAH DAAH HEY TRAIL

## STATE OF NORTH DAKOTA SCHOOL LANDS

### SECTION 30, T143N, R102W, 5th P.M.

1983 BLM ALUMINUM CAP

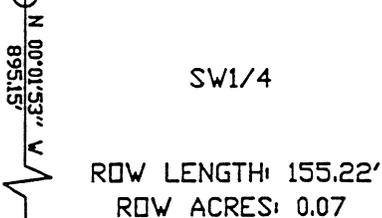
1994 BLM BRASS CAP



ROW LENGTH: 1820.17  
ROW ACRES: 0.84

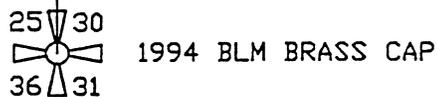


PROJECTED CORNER



BEGIN 20'  
ROW 10'  
EITHER SIDE

NUMBER	DIRECTION	DISTANCE
1-2	N 34°20'16" E	33.40'
2-3	N 08°56'12" W	121.82'
4-5	N 74°03'04" E	158.33'
5-6	S 84°00'34" E	110.34'
6-7	N 60°30'52" E	186.23'
7-8	S 88°58'51" E	225.60'
8-9	N 54°09'28" E	129.53'
9-10	N 00°11'03" W	79.29'
10-11	N 17°36'32" W	251.89'
11-12	N 28°50'14" E	289.84'
12-13	N 04°11'30" E	273.89'
13-14	N 29°40'21" W	115.23'



DRAWN BY: J. STIEFEL

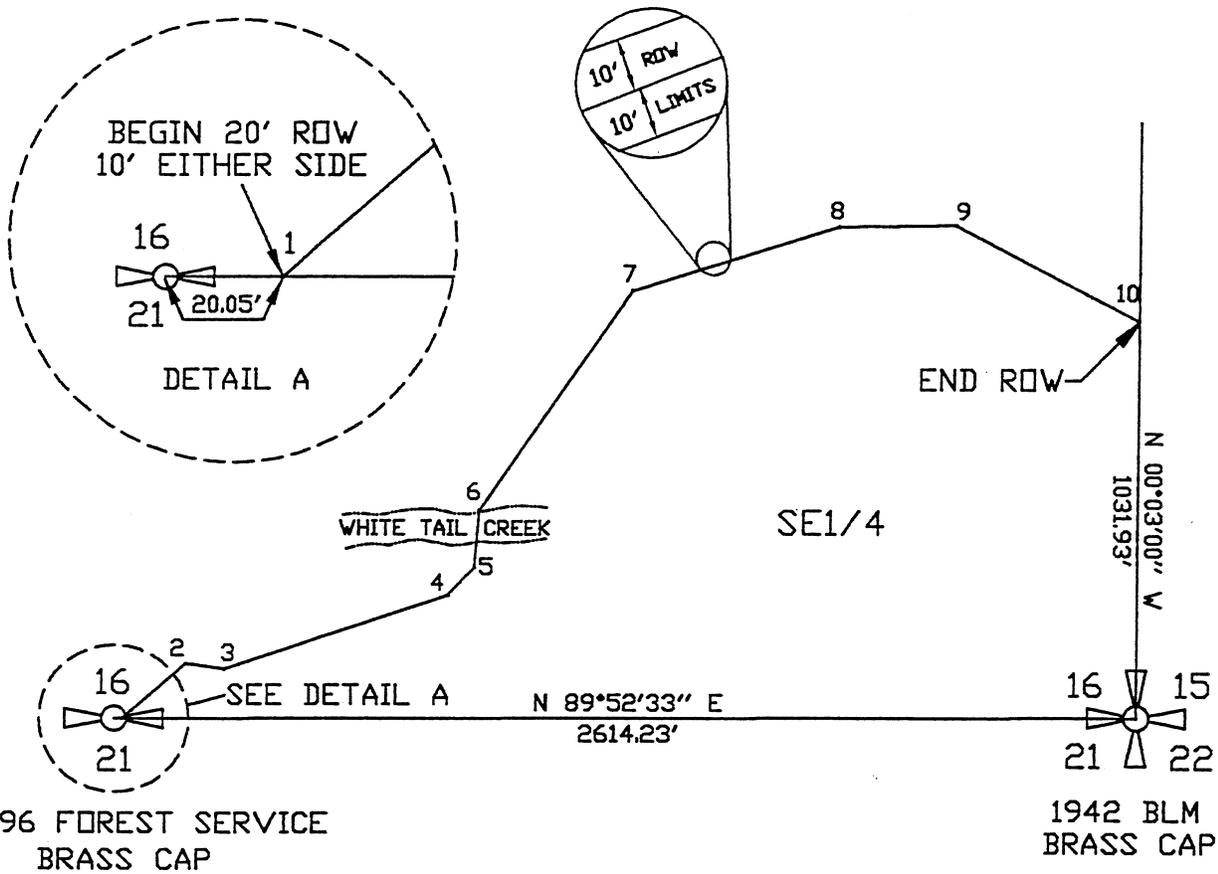
DATE: 8-98

U.S. FOREST SERVICE

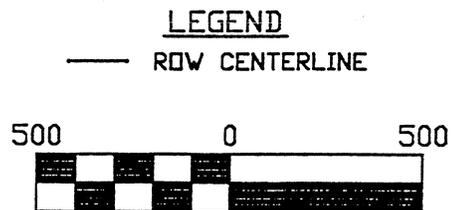
# MAAH DAAH HEY TRAIL

## STATE OF NORTH DAKOTA SCHOOL LANDS

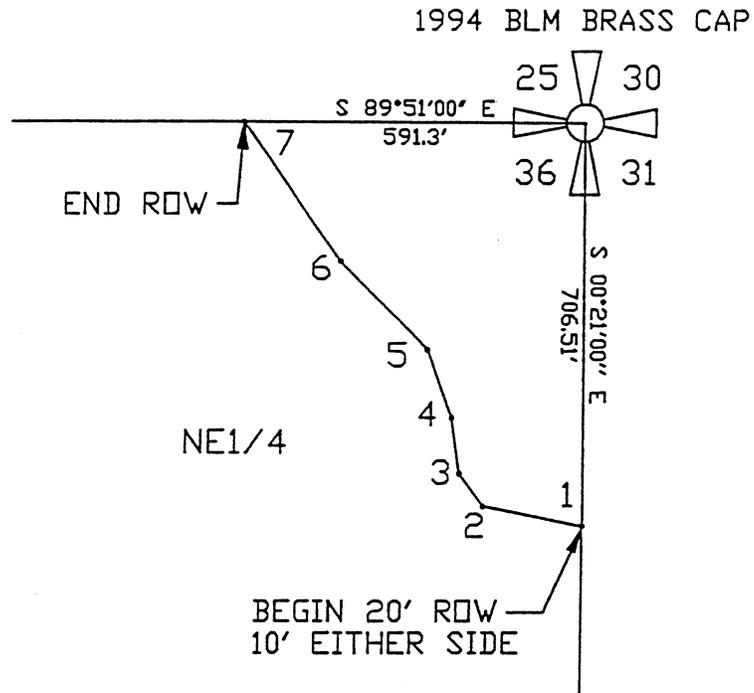
### SECTION 16, T144N, R102W, 5th P.M.



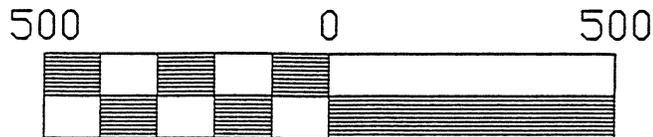
NUMBER	DIRECTION	DISTANCE
1-2	N 48°41'07'' E	215.80'
2-3	S 82°00'00'' E	100.00'
3-4	N 71°28'46'' E	610.54'
4-5	N 44°00'00'' E	100.00'
5-6	N 04°15'53'' E	149.44'
6-7	N 34°19'49'' E	693.37'
7-8	N 72°22'13'' E	550.64'
8-9	N 89°19'58'' E	299.08'
9-10	S 62°34'24'' E	539.80'



MAAH DAAH HEY TRAIL  
STATE OF NORTH DAKOTA SCHOOL LANDS  
SECTION 36, T143N, R103W, 5th P.M.



NUMBER	DIRECTION	DISTANCE
1-2	N 78°43'00" W	176.60'
2-3	N 36°19'00" W	71.40'
3-4	N 08°36'00" W	99.40'
4-5	N 20°31'00" W	127.00'
5-6	N 44°16'00" W	216.60'
6-7	N 34°52'00" W	297.00'



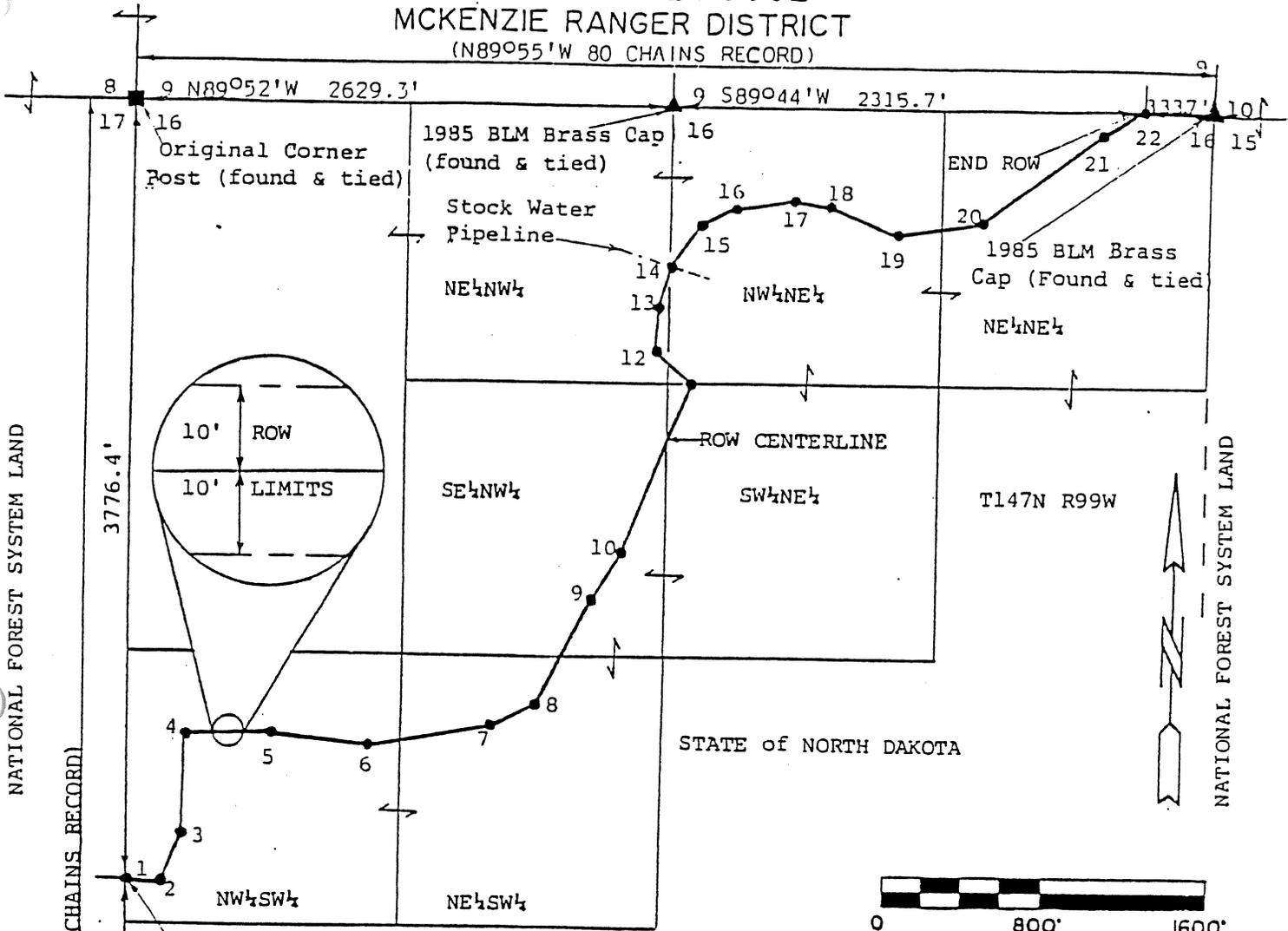
DRAWN BY: J. STIEFEL

DATE: 7-98

U.S. FOREST SERVICE



LONG-X TRAIL #8002  
MCKENZIE RANGER DISTRICT  
(N89°55'W 80 CHAINS RECORD)



Begin ROW	STATION	BEARING	DISTANCE	STATION	BEARING	DISTANCE
	1-2	S 88°30'E	180.1'	12-13	N 03°12'E	206.6'
	2-3	N 21°13'E	251.2'	13-14	N 16°04'E	203.1'
	3-4	N 01°10'E	493.2'	14-15	N 35°15'E	251.4'
	4-5	N 88°48'E	414.7'	15-16	N 64°46'E	185.7'
1985 BLM Brass Cap (found & tied)	5-6	S 83°37'E	463.6'	16-17	N 81°37'E	286.1'
	6-7	N 80°29'E	633.0'	17-18	S 82°05'E	174.7'
	7-8	N 63°13'E	237.5'	18-19	S 68°05'E	371.8'
	8-9	N 27°24'E	565.3'	19-20	N 81°35'E	425.9'
	9-10	N 32°22'E	273.7'	20-21	N 53°04'E	724.6'
	10-11	N 22°37'E	880.8'	21-22	N 59°33'E	235.1'
	11-12	N 48°24'W	244.0'			

<p>U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE - REGION ONE</p> <p><b>CUSTER NATIONAL FOREST RIGHT-OF-WAY PLAT</b></p> <p>A PART OF Section 16 T147N R99W 5th Principal Meridian</p> <p>COUNTY OF McKenzie</p> <p>STATE OF NORTH DAKOTA</p> <p>PROJECT Long X Trail</p> <p>NUMBER 8002</p> <p>SHEET 1 OF 1</p>	<p>ROW LENGTH <u>7702.1'</u></p> <p>ROW WIDTH <u>20'</u></p> <p>(<u>10'</u> EACH SIDE OF CENTERLINE)</p> <p>ROW ACRES <u>3.54</u></p> <p>ORIGIN OF BEARING GLO West line of Section 16</p>	<p>SURVEYOR <u>S. VOLESKY</u></p> <p>DATE <u>8-90</u></p> <p>METHOD <u>5 second total station</u></p> <p>DATE OF PLAT <u>2-92</u></p> <p>PLOTTED BY <u>R. WALSH</u></p> <p>APPROVED BY <u>Kenneth C. Parloff</u> FOREST ENGINEER</p> <p>DATE <u>4/16/72</u></p>
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NORTH DAKOTA  
BOARD OF UNIVERSITY & SCHOOL LANDS  
STATE LAND DEPARTMENT

Native Grass Seeding Specifications

<u>Species</u>	<u>lbs.</u> <u>PLS*/acre</u>	<u>% of</u> <u>Mixture</u>
Western wheatgrass	8	42%
Slender wheatgrass	5	26%
Green needlegrass	4	21%
Side-oats grama	<u>2</u>	<u>11%</u>
	19	100%

\*PLS - Pure Live Seed (based on 50 PLS/sq. feet)

1. The seed bed should be firmly packed (footprints left in the soil should be less than 1/2 inch deep).
2. An early spring seeding (before May 24th) is preferred. A dormant fall seeding (after October 20th) is acceptable.
3. A cover crop of oats at 10 lbs. PLS/acre must be seeded on the disturbed area.
4. A drill designed specifically for native grass seeding will give the best seeding results. The seed should be planted at a depth of 1/2 to 1 inch. Precaution must be taken not to plant the seed too deeply in the soil or poor germination will result.
5. On areas where equipment cannot be used, broadcast seed and rake or drag to cover seed. Where seed is broadcast, double the seeding rate.
6. Use only North Dakota certified seed.