

CHECKLIST ENVIRONMENTAL ASSESSMENT

Project Name:	Easement application for the installation of a buried fiber optic cable to upgrade 3 Rivers Telephone Co-Op Inc.'s current facilities and services in the Brady exchange serving area in and around Brady, MT.
Proposed Implementation Date:	Spring/Summer 2016
Proponent:	3 Rivers Telephone Co-Op Inc., PO Box 429, Fairfield, MT 59436
Location:	See below tract.
County:	Pondera
Trust:	MSU Morrill (MSU)

I. TYPE AND PURPOSE OF ACTION

3 Rivers Telephone Co-Op Inc. has requested to install a buried fiber optic cable in order to upgrade their facilities and services in the Brady exchange serving area. The new fiber optic cable will serve the Brady exchange serving area in and around Brady, MT. The proposed easement route is located just off of the edge of the county road, Overpass Road, and off of the edge of the private driveway located in Section 22, T27N, R2W. The fiber optic cable will cross one tract of state land. The fiber optic cable will be buried 42" deep and will be installed using a vibratory plow. The easement will be 20.00' wide through the state owned land.

Township	Range	Section	Fiber Optic Cable Location	Acres Affected	Trust	County
27N	2W	22	NW4SE4, SW4NE4, SE4NE4	3.06	MSU	Pondera
TOTALS				3.06		

II. PROJECT DEVELOPMENT

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- 1. PUBLIC INVOLVEMENT, AGENCIES, GROUPS OR INDIVIDUALS CONTACTED:**
Provide a brief chronology of the scoping and ongoing involvement for this project.
 3 Rivers Telephone Co-Op Inc.-Proponent
 DNRC-Surface Owner
 Roland Schlepp-Surface Lessee, Lease #7110
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- 2. OTHER GOVERNMENTAL AGENCIES WITH JURISDICTION, LIST OF PERMITS NEEDED:**
 DNRC is not aware of any other agencies with jurisdiction or other permits needed to complete this project.
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- 3. ALTERNATIVES CONSIDERED:**
 Alternative A (No Action) – Deny 3 Rivers Telephone Co-Op Inc. permission to install the buried fiber optic cable.

 Alternative B (the Proposed action) – Grant 3 Rivers Telephone Co-Op Inc. permission to install the buried fiber optic cable.

III. IMPACTS ON THE PHYSICAL ENVIRONMENT

- *RESOURCES potentially impacted are listed on the form, followed by common issues that would be considered.*
- *Explain POTENTIAL IMPACTS AND MITIGATIONS following each resource heading.*
- *Enter "NONE" if no impacts are identified or the resource is not present.*

4. GEOLOGY AND SOIL QUALITY, STABILITY AND MOISTURE:

Consider the presence of fragile, compactable or unstable soils. Identify unusual geologic features. Specify any special reclamation considerations. Identify any cumulative impacts to soils.

Soils at the proposed project site are silty in texture. The topography is gently rolling and the fiber optic cable will be installed along an existing county road and an existing private access road. These soils and slopes are generally suitable for the installation of the buried fiber optic cable. Equipment will cause localized areas of soil compaction and will disturb the soil where the buried fiber optic cable is being placed. Reclamation requirements are to compact and level the plow scar created in the installation of the buried fiber optic cable. Then, seed the impacted area with the existing grass types and seeding rates that are listed in item 7 of this assessment. Cumulative impacts on soil resources are not expected as the use of a vibratory plow will minimize the surface disturbance caused by the construction project.

5. WATER QUALITY, QUANTITY AND DISTRIBUTION:

Identify important surface or groundwater resources. Consider the potential for violation of ambient water quality standards, drinking water maximum contaminant levels, or degradation of water quality. Identify cumulative effects to water resources.

There are no water rights associated with this tract and no private water rights will be impacted by the proposed easement. Other water quality and/or quantity issues will not be impacted by the proposed action.

6. AIR QUALITY:

What pollutants or particulate would be produced? Identify air quality regulations or zones (e.g. Class I air shed) the project would influence. Identify cumulative effects to air quality.

The proposed action will not impact the air quality.

7. VEGETATION COVER, QUANTITY AND QUALITY:

What changes would the action cause to vegetative communities? Consider rare plants or cover types that would be affected. Identify cumulative effects to vegetation.

Vegetation will be minimally impacted as approximately 3.06 miles of buried fiber optic cable will be installed by the utilization of a vibratory plow. The vegetation consists primarily of native species, introduced species, and agricultural land. Noxious and annual weeds within the proposed construction areas are a concern, but this concern will be mitigated as the applicants are responsible for controlling weeds within the construction areas. Cumulative impacts on the vegetative resources are not expected as the proposed construction areas will be reclaimed and reseeded. The reseeding mixture will consist of a grass seed mixture of 35% Western Wheatgrass, 35% Slender Wheatgrass, 15% Bluebunch Wheatgrass, 10% Green Needle grass, and 5% Lewis blue flax. If drilled the rate will be 8#/acre, but if broadcast seeded, the rate will be doubled.

A review of Natural Heritage data through the NRIS was conducted for T27N, R2W: There were no plant species of concern noted or potential species of concern noted on the NRIS survey.

8. TERRESTRIAL, AVIAN AND AQUATIC LIFE AND HABITATS:

Consider substantial habitat values and use of the area by wildlife, birds or fish. Identify cumulative effects to fish and wildlife.

The area is not considered critical wildlife habitat. However, this tract provides habitat for a variety of big game species (mule deer, whitetail deer, and pronghorn antelope), predators (coyote, fox, and badger), upland game birds (sharp tail grouse, Hungarian partridge), other non-game mammals, raptors and various songbirds. The proposal does not include any land use change which would yield changes to the wildlife habitat. The proposed action will not impact wildlife forage, cover, or traveling corridors. Nor will this action change the juxtaposition of wildlife forage, water, or hiding and thermal cover. Wildlife usage is expected to return to "normal" (pre-action usage) following the installation of the buried fiber optic cable. The proposed action will not have long-term negative effects on existing wildlife species and/or wildlife habitat.

9. UNIQUE, ENDANGERED, FRAGILE OR LIMITED ENVIRONMENTAL RESOURCES:

Consider any federally listed threatened or endangered species or habitat identified in the project area. Determine effects to wetlands. Consider Sensitive Species or Species of special concern. Identify cumulative effects to these species and their habitat.

There are no threatened or endangered species, sensitive habitat types, or other species of special concern associated with the proposed project area. At this time, no known unique, endangered, fragile or limited environmental resources have been identified within the proposed project area.

A review of Natural Heritage data through the NRIS was conducted for T27N, R2W. There was zero animal species of concern and zero potential species of concern noted on the NRIS survey.

10. HISTORICAL AND ARCHAEOLOGICAL SITES:

Identify and determine effects to historical, archaeological or paleontological resources.

The area of potential effect (APE) consists of a combination of cultivated land and range land. Tony Nickol (Conrad Unit) inspected the APE in 2015 and identified no cultural resources. No additional cultural resource inventory work is recommended. There will be No Effect to state owned Heritage Properties.

11. AESTHETICS:

Determine if the project is located on a prominent topographic feature, or may be visible from populated or scenic areas. What level of noise, light or visual change would be produced? Identify cumulative effects to aesthetics.

Installation of the buried fiber optic cable will not affect the aesthetics of the land in any way as it will not be visible. It will lead to no erosion of the soil resources on the tracts as the line is located below the soil surface.

12. DEMANDS ON ENVIRONMENTAL RESOURCES OF LAND, WATER, AIR OR ENERGY:

Determine the amount of limited resources the project would require. Identify other activities nearby that the project would affect. Identify cumulative effects to environmental resources.

The demand on environmental resources such as land, water, air, or energy will not be affected by the proposed action. The proposed action will not consume resources that are limited in the area. There are no other projects in the area that will affect the proposed project.

13. OTHER ENVIRONMENTAL DOCUMENTS PERTINENT TO THE AREA:

List other studies, plans or projects on this tract. Determine cumulative impacts likely to occur as a result of current private, state or federal actions in the analysis area, and from future proposed state actions in the analysis area that are under MEPA review (scoped) or permitting review by any state agency.

There are no other projects or plans being considered on the tract listed on this EA.

IV. IMPACTS ON THE HUMAN POPULATION

- *RESOURCES* potentially impacted are listed on the form, followed by common issues that would be considered.
- Explain **POTENTIAL IMPACTS AND MITIGATIONS** following each resource heading.
- Enter "NONE" if no impacts are identified or the resource is not present.

14. HUMAN HEALTH AND SAFETY:

Identify any health and safety risks posed by the project.

The proposed project will not change human safety in the area.

15. INDUSTRIAL, COMMERCIAL AND AGRICULTURE ACTIVITIES AND PRODUCTION:

Identify how the project would add to or alter these activities.

The results of this project will not affect the industrial, commercial, or agricultural activities or production in the area.

16. QUANTITY AND DISTRIBUTION OF EMPLOYMENT:

Estimate the number of jobs the project would create, move or eliminate. Identify cumulative effects to the employment market.

This project will not create any new jobs, as the project will be completed in house by the proponent.

17. LOCAL AND STATE TAX BASE AND TAX REVENUES:

Estimate tax revenue the project would create or eliminate. Identify cumulative effects to taxes and revenue.

The proposed action will add to the tax revenue.

18. DEMAND FOR GOVERNMENT SERVICES:

Estimate increases in traffic and changes to traffic patterns. What changes would be needed to fire protection, police, schools, etc.? Identify cumulative effects of this and other projects on government services

This project is of a small scale and being funded by 3 Rivers Telephone Co-Op Inc. There will be no excessive stress placed of the existing infrastructure of the area.

19. LOCALLY ADOPTED ENVIRONMENTAL PLANS AND GOALS:

List State, County, City, USFS, BLM, Tribal, and other zoning or management plans, and identify how they would affect this project.

The proposed action is in compliance with State and County laws. No other management plans are in effect for the area.

20. ACCESS TO AND QUALITY OF RECREATIONAL AND WILDERNESS ACTIVITIES:

Identify any wilderness or recreational areas nearby or access routes through this tract. Determine the effects of the project on recreational potential within the tract. Identify cumulative effects to recreational and wilderness activities.

This proposed project area is next to an existing county road and a private access road which generally have low recreational value. This tract is legally accessible and the proposed action is not expected to impact general recreational and wilderness activities on this state tract.

21. DENSITY AND DISTRIBUTION OF POPULATION AND HOUSING:

Estimate population changes and additional housing the project would require. Identify cumulative effects to population and housing

The proposal does not include any changes to housing or developments.

No direct or cumulative effects to population or housing are anticipated.

22. SOCIAL STRUCTURES AND MORES:

Identify potential disruption of native or traditional lifestyles or communities.

There are no native, unique or traditional lifestyles or communities in the vicinity that would be impacted by the proposal.

23. CULTURAL UNIQUENESS AND DIVERSITY:

How would the action affect any unique quality of the area?

The proposed action will not impact the cultural uniqueness or diversity of the area.

24. OTHER APPROPRIATE SOCIAL AND ECONOMIC CIRCUMSTANCES:

Estimate the return to the trust. Include appropriate economic analysis. Identify potential future uses for the analysis area other than existing management. Identify cumulative economic and social effects likely to occur as a result of the proposed action.

This project will benefit the school trust in terms of the \$50.00 fee generated from the easement application. The easement on the MSU Morrill trust land in Section 22, T27N, R2W will affect 0.5099 acres of grazing land X \$300.00 per acre equals \$152.97 and 2.5501 acres of agricultural land X \$900.00 per acre equals \$2,295.09 of revenue generated from the future easement. Cumulative impacts are not likely as the area is only used for agricultural and grazing and the buried fiber optic cable will not affect the long-term viability of agriculture and grazing on the tract.

EA Checklist Prepared By:	Name: Tony Nickol	Date: February 3, 2016
	Title: Land Use Specialist, Conrad Unit, Central Land Office	

V. FINDINGS

25. ALTERNATIVE SELECTED:

Alternative B (the Proposed action) – Grant 3 Rivers Telephone Co-Op Inc. permission to install the buried fiber optic cable.

26. SIGNIFICANCE OF POTENTIAL IMPACTS:

The applicant is applying for an easement across state land with a buried fiber optic cable. This projected will provide area residents with upgraded telecommunications services. Significant impacts are not anticipated as a result of the selected alternative.

27. NEED FOR FURTHER ENVIRONMENTAL ANALYSIS:

EIS

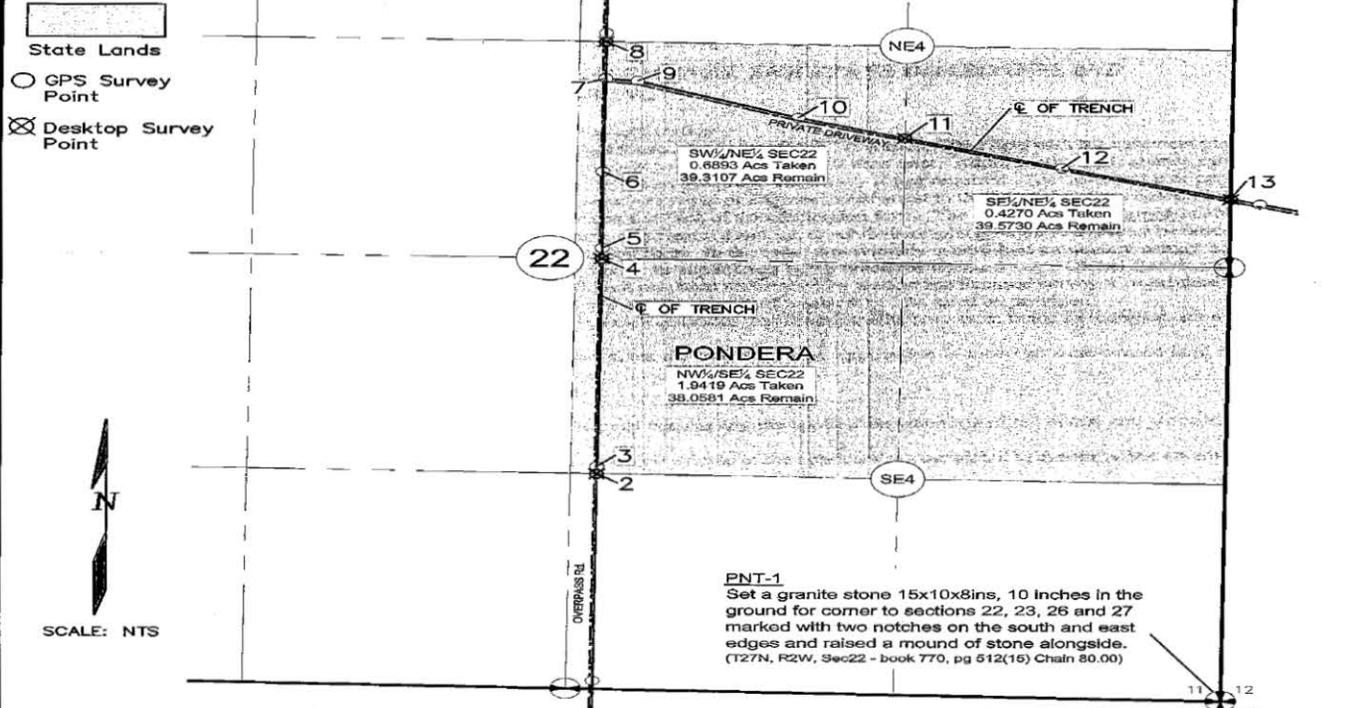
More Detailed EA

No Further Analysis

EA Checklist Approved By:	Name: Erik Eneboe
	Title: Conrad Unit Manger, CLO, DNRC
Signature: 	Date: February 4, 2016

EASEMENT SURVEY

NOTE: All bearings and distances on section are taken from:
 field GPS survey data corrected in system: WGS84 (Melodensky Approximation).
 and Desktop survey: UTM with NAD 27 Datum, Zone 12, Meter, Central Meridian



A Utility easement for an underground telecommunications cable extending 10.0 feet on each side of a centerline all within land owned by the STATE OF MONTANA located in SECTION 22 - T27N, R2W, P.M. MT, Pondera County, Montana, more fully described as follows:

LINE TABLE
T20N R1W sec13

* -Denote State Land effected by easement									
COURSE		METERS	BEARING	FT.	TRENCH WIDTH	AREA	ACRES		
1	-	2	884.6400	N 81d9'46" W	2902.3269	20	58046.53824	1.3326	Start Survey @E corner of sec 22
* 2	-	3	13.8700	N 0d35'46" E	45.5047	20	910.09392	0.0209	
* 3	-	4	390.6300	N 0d45'47" E	1281.5789	20	25631.57808	0.5884	
NW4/SE4 Sec22								1.9419	Acres Taken NW4/SE4 Sec22
* 4	-	5	20.1600	N 0d45'47" E	66.1409	20	1322.81856	0.0304	
* 5	-	6	143.8200	N 0d18'6" E	471.8447	20	9436.89312	0.2166	
* 6	-	7	174.5000	N 0d68'13" E	572.4096	20	11449.992	0.2629	
* 7	-	8	69.0800	N 0d22'41" E	226.6377	20	4532.75328	0.1041	
* 7	-	9	39.9000	S 83d37'5" E	130.9039	20	2618.0784	0.0601	
* 9	-	10	210.8000	S 70d59'46" E	691.5026	20	13831.8528	0.3175	
* 10	-	11	137.8100	S 74d5'26" E	452.1270	20	9042.54096	0.2076	
SW4/NE4 Sec22								0.6893	Acres Taken SW4/NE4 Sec22
* 11	-	12	203.2300	S 74d5'20" E	666.7570	20	13335.13968	0.3061	
* 12	-	13	217.0200	S 74d33'46" E	711.9992	20	14239.98432	0.3269	
SE4/NE4 Sec22								0.4270	Acres Taken SE4/NE4 Sec22
13	-	1	945.3300	S 0d38'17" W	3101.4387	20	62028.77328	1.4240	

NW4/SE4 Sec22-	Acrs. Taken	1.9419	SE4/NE4 Sec22-	Acrs. Taken	0.4270
	Acrs. Remaining	38.0581		Acrs. Remaining	39.5730
SW4/NE4 Sec22-	Acrs. Taken	0.6893			
	Acrs. Remaining	39.3107			

SOURCES OF INFORMATION:

QUADRANGLE MAP CONTROL
 PROJECTION METHOD
 Brady 48111a7 - 1967 7.5 MINUTE SERIES
 USGS, and USC&GS / mt.gov and NRIS (Montana GIS Portal)
 NAD 27, ZONE 12
 (GPS) GARMIN Montana 650 3 meter Accuracy

John M Schmitt
 John M Schmitt
 Engineering Supervisor

BRADY FTTH

W/O # : 75315001 Date: 01-2016

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