CHECKLIST ENVIRONMENTAL ASSESSMENT

Project Name:	Roper - Breithaupt Timber Harvest Alternative Practice
Proposed Implementation Date:	Upon Approval
Proponent:	Robert Roper
Location:	S33 T8N R15W
County:	Granite

I. TYPE AND PURPOSE OF ACTION

Robert Roper has applied for an Alternative Practice (AP) to allow the skidding of trees across Horse Canyon Creek, a Class 2 stream near Upper Willow Creek. There would be one designated crossing and equipment would stay outside the Streamside Management Zone on all other segments of the stream. Logs would be placed in the stream channel to protect the bed and banks and to facilitate stream flow. Log skidding equipment would enter the SMZ in a perpendicular manner in order to minimize distance traveled near the stream. Operations would only occur during frozen and snow covered ground conditions and logs would be removed from stream upon completion of operations. Mitigation measures would include grass seeding, water bars or slash filter windrows to prevent run-off from entering the stream.

II. PROJECT DEVELOPMENT

1. PUBLIC INVOLVEMENT, AGENCIES, GROUPS OR INDIVIDUALS CONTACTED:

Provide a brief chronology of the scoping and ongoing involvement for this project.

Robert Roper (contractor), Kurt Breithaupt (landowner), the MTDNRC, and Granite County Conservation District.

2. OTHER GOVERNMENTAL AGENCIES WITH JURISDICTION, LIST OF PERMITS NEEDED:

The contractor has applied for and received a 310 Permit from the Granite County Conservation District to allow work in the stream channel. See Attached.

3. ALTERNATIVES CONSIDERED:

Alternative A –No Action. This alternative would not allow skidding across Horse Canyon Creek. New road could be constructed to access harvest unit.

Alternative B – Action. This alternative would allow the skidding of logs across Horse Canyon Creek. There would be one designated crossing and equipment would stay outside the Streamside Management Zone on all other segments of the stream. Logs would be placed in the stream channel to protect the bed and banks and to facilitate stream flow. Log skidding equipment would enter the SMZ in a perpendicular manner in order to minimize distance traveled near the stream. Operations would only occur during frozen and snow covered ground conditions and logs would be removed from stream upon completion of operations. Mitigation measures would include grass seeding, water bars or slash filter windrows to prevent run-off from entering the stream.

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.

A query of the Web Soil Survey listed the soils in the Alternative Practice area as "moderately suited" for timber harvest. Operation of equipment at the crossing location would be on slopes less than 15% and on frozen and snow covered ground. Mitigation measures would include grass seeding, water bars and/or slash filter wind rows. Due to these restrictions and mitigation measures, no unacceptable impacts are anticipated.

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.

An increase in turbidity may occur as a result of operations. However, turbidity generated from this project is expected to be short-term and have only temporary and minor impacts on the physical and biological environment. Project is expected to last no longer than a week.

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.

N/A

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.

The understory vegetation is grasses. Frozen and snow covered ground conditions would prevent disturbance to ground vegetation. No unacceptable impacts are anticipated with the action alternative.

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.

Horse Canyon Creek does not support fish. The small extent of this proposed AP would interfere with wildlife and birds on a very minor level and for a short period of time. The lineal extent of the crossing would be approximately 25 feet and the project would be complete within a week's time.

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.

A query of the Montana Natural Heritage Program identifies the area as being possible habitat for grey wolf, Canada lynx and wolverine. The proximity of this AP segment to recreational area, the local access road and houses significantly reduces its suitability for habitat. Horse Canyon Creek does not support fish. No unacceptable impacts are anticipated.

10. HISTORICAL AND ARCHAEOLOGICAL SITES:
Identify and determine effects to historical, archaeological or paleontological resources.

None were identified.

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.

The diminished aesthetics would be perceived by the landowner and possibly recreationists in the area.

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.

N/A

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.

N/A

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.

N/A

15. INDUSTRIAL, COMMERCIAL AND AGRICULTURE ACTIVITIES AND PRODUCTION:

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

N/A

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.

Two people would be employed during the harvest.

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.

Negligible tax revenue would be generated through this harvest.

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

N/A

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.

N/A

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.

N/A

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.

N/A

22. SOCIAL STRUCTURES AND MORES:
Identify potential disruption of native or traditional lifestyles or communities.

N/A

23. CULTURAL UNIQUENESS AND DIVERSITY:
How would the action affect any unique quality of the area?

N/A

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.

N/A

EA Checklist Prepared By:	**Name:** Sean Steinebach	**Date:** 12/22/2010
	Title: Service Forester	

V. FINDING

25. ALTERNATIVE SELECTED:

Alternative B – Action Alternative

26. SIGNIFICANCE OF POTENTIAL IMPACTS:

No unacceptable impacts are anticipated.

27. NEED FOR FURTHER ENVIRONMENTAL ANALYSIS:

[ ] EIS [ ] More Detailed EA [X] No Further Analysis

EA Checklist Approved By:	**Name: Brian Robbins** **Title: Trust Lands Forester – Anaconda Unit**
Signature: /S/ Brian Robbins	**Date**: 12/29/2010

January 3, 2011

Robert Roper
P.O. Box 27
Hall, MT 59837

Ref: Horse Canyon Stream Crossing SMZ AP

Dear Mr. Roper,

This letter is in reference to a request made by Robert Roper to the Department of Natural Resources and Conservation for an Alternative Practice. This AP is located on private land in Section 33, Township 8 North, Range 15 West, on Horse Canyon Creek. After a visit to the proposed Alternative Practice site this request has been approved under a Checklist Environmental Assessment. Approval is subject to the following conditions:

1) Logging equipment may enter the 50 foot buffer only to cross Horse Canyon Creek and will be done in a perpendicular manner.
2) Logs will be removed from crossing site at completion of operations.
3) Operations only occur when ground is frozen to four inches or snow covered to eight inches.
4) Disturbed areas inside the SMZ will be grass seeded, water barred and/or slash filter windrowed.
5) Equipment will not enter the SMZ in any other segment of Horse Canyon Creek.

Approved Alternative Practices, including any additional conditions required by DNRC, shall have the same force and authority as the standards contained in77-5-303, MCA, and shall be enforceable by DNRC under 77-5-305, MCA, to the same extent as such standards.

It is your responsibility to ensure that your operators understand that an Alternative Practice has been issued for their operations in this area, and that these conditions must be fully met to achieve compliance with the SMZ Law.

Thank you for your cooperation in this matter. Please call me if you have any questions.

Sincerely,

Sean Steinebach
Service Forester

cc: HRA file, Landowner, Applicant,
Unit Office, Land Office,
Service Forestry Bureau

January 3, 2011

ALTERNATIVE PRACTICE RESPONSIBILTY AFFIDAVIT

Roper - Breithaupt Timber Harvest Alternative Practice

In consideration of DNRC's approval of the alternative practice(s) in Section 33, T8N, R15W, I hereby certify that I, or by written contract the legal entity I represent, am responsible for the compliance with the Montana Streamside Management Zone Law. I understand that failure to implement any of the mitigation measures required by the DNRC will be considered a violation of the SMZ Law (77-5-301 et. Seq.), and may result in penalties assessed against me or the legal entity I represent.

Signature of Responsible Party **Date**

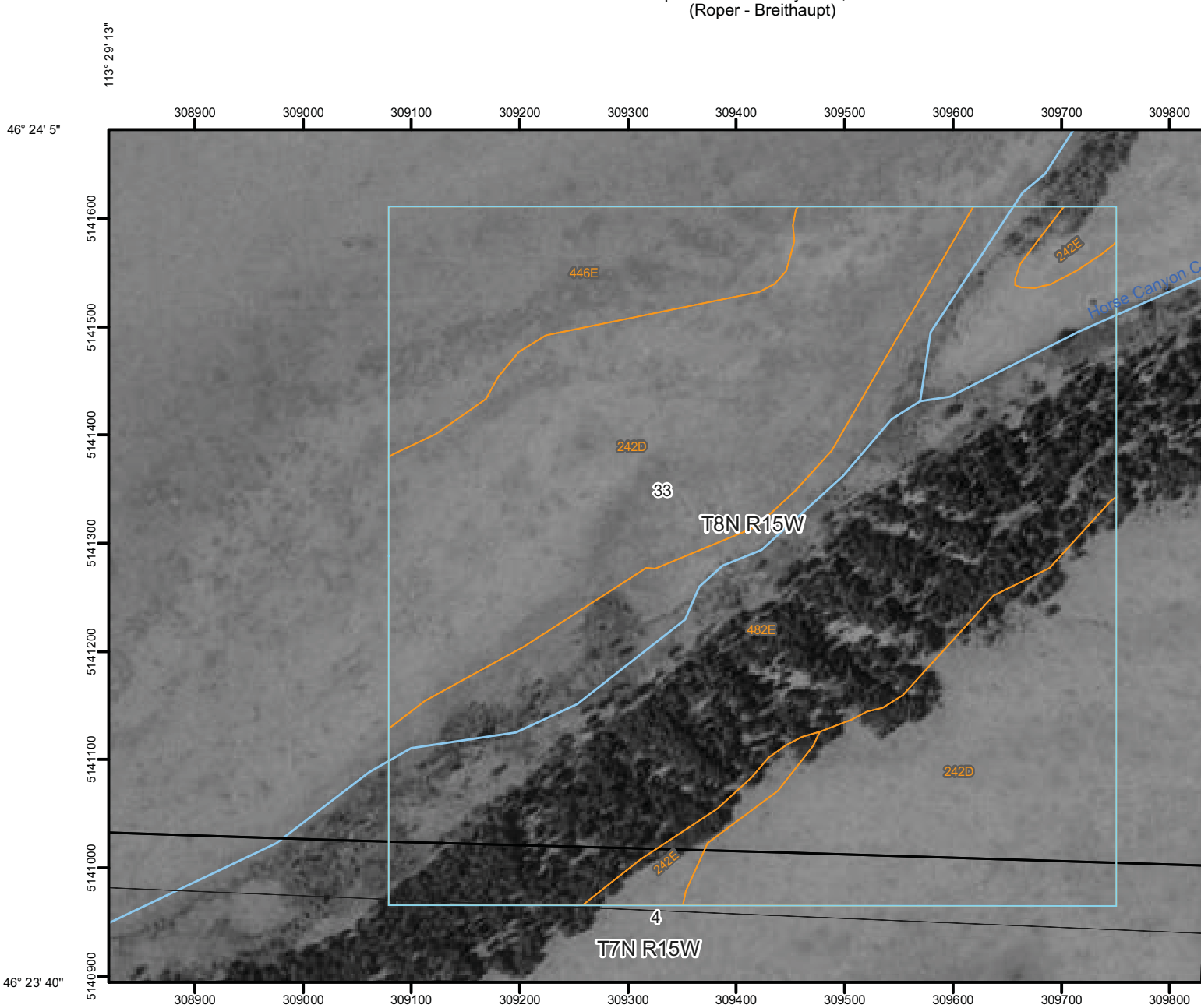
Roper - Breithaupt Crossing

Legend

Roper Crossing

900 450 0 900 Feet

Soil Map—Granite County Area, Montana
(Roper - Breithaupt)



Map Scale: 1:5,640 if printed on A size (8.5" x 11") sheet.

N

Meters: 0, 50, 100, 200, 300

Feet: 0, 300, 600, 1,200, 1,800

USDA Natural Resources Conservation Service

Web Soil Survey
National Cooperative Soil Survey

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Units

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other

Special Line Features

- Gully
- Short Steep Slope
- Other

Political Features

- Cities
- PLSS Township and Range
- PLSS Section

Water Features

- Oceans
- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

MAP INFORMA

Map Scale: 1:5,640 if printed on A size

The soil surveys that comprise your AO

Please rely on the bar scale on each ma
measurements.

Source of Map: Natural Resources C
Web Soil Survey URL: http://websoils
Coordinate System: UTM Zone 12N

This product is generated from the USD
the version date(s) listed below.

Soil Survey Area: Granite County Are
Survey Area Data: Version 11, Dec 2

Date(s) aerial images were photograph

The orthophoto or other base map on w
compiled and digitized probably differs
imagery displayed on these maps. As a
of map unit boundaries may be evident.

Map Unit Legend

Granite County Area, Montana (MT621)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
242D	Braziel gravelly loam, 8 to 15 percent slopes	48.3	45.1%
242E	Braziel gravelly loam, 15 to 35 percent slopes	2.8	2.6%
446E	Danvers-Roy complex, 15 to 35 percent slopes	11.8	11.0%
482E	Elve gravelly loam, dry, 15 to 35 percent slopes	44.1	41.2%
Totals for Area of Interest		**107.1**	**100.0%**

Forestland Planting and Harvesting

This table can help forestland owners or managers plan the use of soils for wood crops. Interpretive ratings are given for the soils according to the limitations that affect planting and harvesting on forestland. The ratings are both verbal and numerical.

Rating class terms indicate the degree to which the soils are suited to a specified aspect of forestland management. *Well suited* indicates that the soil has features that are favorable for the specified management aspect and has no limitations. Good performance can be expected, and little or no maintenance is needed. *Moderately suited* indicates that the soil has features that are moderately favorable for the specified management aspect. One or more soil properties are less than desirable, and fair performance can be expected. Some maintenance is needed. *Poorly suited* indicates that the soil has one or more properties that are unfavorable for the specified management aspect. Overcoming the unfavorable properties requires special design, extra maintenance, and costly alteration. *Unsuited* indicates that the expected performance of the soil is unacceptable for the specified management aspect or that extreme measures are needed to overcome the undesirable soil properties.

Numerical ratings in the table indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the specified aspect of forestland management (1.00) and the point at which the soil feature is not a limitation (0.00).

The paragraphs that follow indicate the soil properties considered in rating the soils. More detailed information about the criteria used in the ratings is available in the "National Forestry Manual," which is available in local offices of the Natural Resources Conservation Service or on the Internet.

Ratings in the columns *suitability for hand planting* and *suitability for mechanical planting* are based on slope, depth to a restrictive layer, content of sand, plasticity index, rock fragments on or below the surface, depth to a water table, and ponding. The soils are described as well suited, moderately suited, poorly suited, or unsuited to these methods of planting. It is assumed that necessary site preparation is completed before seedlings are planted.

Ratings in the column *suitability for use of harvesting equipment* are based on slope, rock fragments on the surface, plasticity index, content of sand, the Unified classification, depth to a water table, and ponding. The soils are described as well suited, moderately suited, or poorly suited to this use.

Reference:
United States Department of Agriculture, Natural Resources Conservation Service, National forestry manual.

Report—Forestland Planting and Harvesting

[Onsite investigation may be needed to validate the interpretations in this table and to confirm the identity of the soil on a given site. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the potential limitation. The table shows only the top five limitations for any given soil. The soil may have additional limitations]

Forestland Planting and Harvesting– Granite County Area, Montana							
Map symbol and soil name	Pct. of map unit	Suitability for hand planting		Suitability for mechanical planting		Suitability for use of harvesting equipment	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
242D—Braziel gravelly loam, 8 to 15 percent slopes							
Braziel	85	Well suited		Moderately suited		Moderately suited	
				Slope	0.50	Low strength	0.50
				Rock fragments	0.50		
242E—Braziel gravelly loam, 15 to 35 percent slopes							
Braziel	85	Well suited		Poorly suited		Moderately suited	
				Slope	0.75	Low strength	0.50
				Rock fragments	0.50	Slope	0.50
446E—Danvers-Roy complex, 15 to 35 percent slopes							
Danvers	50	Moderately suited		Poorly suited		Moderately suited	
		Stickiness; high plasticity index	0.50	Slope	0.75	Low strength	0.50
				Stickiness; high plasticity index	0.50	Slope	0.50
Roy	35	Moderately suited		Poorly suited		Moderately suited	
		Stickiness; high plasticity index	0.50	Slope	0.75	Slope	0.50
		Rock fragments	0.50	Rock fragments	0.75		
				Stickiness; high plasticity index	0.50		
482E—Elve gravelly loam, dry, 15 to 35 percent slopes							
Elve	85	Moderately suited		Poorly suited		Moderately suited	
		Rock fragments	0.50	Slope	0.75	Low strength	0.50
				Rock fragments	0.50	Slope	0.50

Data Source Information

Soil Survey Area: Granite County Area, Montana
Survey Area Data: Version 11, Dec 2, 2009

Form 273 (Rev. 09/22/03) (file name 273-03.doc)

310 PERMIT
CONSERVATION DISTRICT'S DECISION

APPLICATION NO. G-23-10

DECISION DATE 12-13-10

temp. PROJECT log stream crossing

Notice: THIS AUTHORIZATION DOES NOT GIVE PERMISSION TO CARRY OUT A PROJECT ON LAND THAT IS NOT OWNED BY THE HOLDER OF THIS PERMIT. Landowner permission, easements or other federal, state, or local permits, licenses, special use permits, or authorizations may be required before construction of the project. It is the duty of the holder of this permit to determine which are necessary and obtain them prior to construction of the project.

Name of Applicant Bob Roper

Address Box 27 City Hall State MT Zip 59837

Perennial Stream Horse Canyon Creek

Supervisors' Decision (circle): Approved Approved w/ Modification Denied Not a Project

Explanation:

☐ See attached (if more room is necessary)

approved as submitted

Permit Expiration Date 12-13-11

Work may begin on or after: 12-14-10

Date Transmitted to Applicant and DFWP 12-9-10

Supervisors' Signatures:

Vincent Burgmeier

Bradley [illegible]

Tom Sanders

Lee Pfindler

Jay Kirby

[illegible]

TO BE COMPLETED BY THE APPLICANT

Check the appropriate box, sign and return a copy to the district office **within 15 days** of receipt of this permit.

☐ I agree to proceed with the project in accordance with the approved application and specifications outlined in this permit and will allow a follow-up inspection.

☐ I disagree with the terms of this permit and I will seek judicial review in district court within 15 days of receipt of this permit. (This box may only be checked if you did not sign an arbitration agreement when you submitted your application.)

☐ I disagree with the terms of this permit and hereby request arbitration. I agree to abide by the arbitration agreement attached to or on the reverse of this form – OR, if an arbitration agreement was signed when the permit application was submitted, I will abide that agreement.

Signature of Applicant: Bob Roper Date Dec 15, 10

Revised: 7/2/2008 (310 form 270) Form may be downloaded from: www.dnrc.mt.gov/permits/default.asp	AGENCY USE ONLY: Application #G-23-10 Date Received 12-7-10 Date Accepted 12-13-10 / Initials ____ Date Forwarded to DFWP 12-9-10

JOINT APPLICATION FOR PROPOSED WORK IN MONTANA'S STREAMS, WETLANDS, FLOODPLAINS, AND OTHER WATER BODIES

Use this form to apply for one or all local, state, or federal permits listed below. "Information for Applicant" includes agency contacts and instructions for completing this application. **To avoid delays**, submit all required information, including **a project site map and drawings.** Incomplete applications will result in the delay of the application process. **Other laws may apply.** It is the applicant's responsibility to obtain all permits and landowner permission, when applicable, before beginning work.

✓	PERMIT	AGENCY	FEE
	310 Permit	Local Conservation District	No Fee
	SPA 124 Permit	Department of Fish, Wildlife and Parks	No Fee
	Floodplain Permit	Local Floodplain Administrator	Varies by city/county ($25 - $500+)
	Section 404 Permit, Section 10 Permit	U. S. Army Corps of Engineers	Varies ($0 - $100)
	318 Authorization 401 Certification	Department of Environmental Quality	$150 (318); $300 - $10,000 (401)
	Navigable Rivers Land Use License or Easement	Department of Natural Resources and Conservation, Trust Lands Management Division	License $25; Easement $50, plus annual fee

A. APPLICANT INFORMATION

NAME OF **APPLICANT:** Bob Roper

Has the landowner consented to this project? ☒ Yes ☐ No

Mailing Address: Box 27 Day Phone: 544-6080

Physical Address: Hall Mt. 59837 Evening phone: 288-3212

City/State/Zip: ____ E-Mail: ____

NAME OF **LANDOWNER** (if different from applicant): KPK Ranches LP (Kurt)

Mailing Address: 474 Upper Willow Cr. Day Phone: ____

Physical Address: ____ Evening Phone: 859-5493

City/State/Zip: Philipsburg Mt. 59858 E-Mail: ____

NAME OF **CONTRACTOR/AGENT (if one is used):** ____

Mailing Address: ____ Day Phone: ____

Physical Address: ____ Evening Phone: ____

City/State/Zip: ____ E-Mail: ____

B. PROJECT SITE INFORMATION

NAME OF **STREAM** or **WATER BODY** at project location ~~Horse Canyon~~ Horse Canyon Cr. Nearest Town P-Burg

Address/Location: Sec 33 Geocode (if available): ____

____ 1/4 ____ 1/4 ____ 1/4, Section 33, Township 8N, Range 15W County Granite

Longitude ____, Latitude ____

The state owns the beds of certain state navigable waterways. Is this a state navigable waterway? Yes or No. If yes, send copy of this application to appropriate DNRC land office – see Information for Applicant.

ATTACH A PROJECT SITE MAP OR A SKETCH that includes: 1) the water body where the project will take place, roads, tributaries, landmarks; 2) a circled "X" representing the exact project location. IF NOT CLEARLY STATED ON THE MAP OR SKETCH, **PROVIDE WRITTEN DIRECTIONS TO THE SITE**:

This space is for all Department of Transportation and SPA 124 permits (government projects).

Project Name ____

Control Number ____ Contract letting date ____

MEPA/NEPA Compliance ☐ Yes ☐ No If yes, #13 of this application does not apply

C. PROJECT INFORMATION

1. **TYPE OF PROJECT** (check all that apply)

- ☒ Bridge/Culvert/Ford Construction
- ☒ Bridge/Culvert/Ford Removal
- ☐ Road Construction/Maintenance
- ☐ Bank Stabilization/Alteration
- ☐ Flood Protection
- ☐ Channel Alteration
- ☐ Irrigation Structure
- ☐ Water Well/Cistern
- ☐ Excavation/Pit
- ☐ Fish Habitat
- ☐ Recreation (docks, marinas, etc.)
- ☐ New Residential Structure
- ☐ Manufactured Home
- ☐ Improvement to Existing Structure
- ☐ Commercial Structure
- ☐ Wetland Alteration
- ☐ Temporary Construction Access
- ☐ Other _____
- ☐ Mining
- ☐ Dredging
- ☐ Core Drill
- ☐ Placement of Fill
- ☐ Diversion Dam
- ☐ Utilities
- ☐ Pond
- ☐ Debris Removal

2. **PLAN OR DRAWING** of the proposed project **MUST** be attached. **This plan or drawing must include:**

- a plan view (looking at the project from above)
- dimensions of the project (height, width, depth in feet)
- location of storage or stockpile materials
- drainage facilities
- an arrow indicating north
- a cross section or profile view
- an elevation view
- dimensions and location of fill or excavation sites
- location of existing or proposed structures, such as buildings, utilities, roads, or bridges

3. **IS THIS APPLICATION FOR** an annual maintenance permit? ☐ Yes ☒ No
(If yes, an annual plan of operation must be attached to this application – see "Information for Applicant")

4. **PROPOSED CONSTRUCTION DATE.** Include a project timeline. Start date ASAP / _____
Finish date Dec / 15 / 10 Is any portion of the work already completed? ☐ Yes ☒ No
(If yes, describe the completed work.)

5. **WHAT IS THE PURPOSE** of the proposed project?
To Remove Logges from old Logging unit
Dead and Red Codgepole and Dougfir

6. **WHAT IS THE CURRENT CONDITION** of the proposed project site? Include a description of the existing vegetation, bank condition, bank slope, and height. What other structures are nearby?
6" Snow Frozen

7. **PROVIDE A BRIEF DESCRIPTION** of the proposed project.
Temporary Creek crossing to Skid Logs across

8. **PROJECT DIMENSIONS.** How many linear feet of bank will be impacted? How far will the proposed project encroach into and extend away from the water body?
aprox 25' of Creek Chanelf

9. **VEGETATION.** What type and how much vegetation will be removed or covered with fill material?
None

10. **MATERIALS.** Describe the materials to be used and how much.

Cubic yards/Linear feet	Size and Type	Source
NONE		
Logs to Be used for Skidder Crossing		

11. **EQUIPMENT.** What equipment is proposed to be used for the work? Where and how will the equipment be used on the stream bank and/or the waterbody?

Loader to Place Logs and Remove

12. **CONSIDER THE IMPACTS** OF THE PROPOSED PROJECT, EVEN IF TEMPORARY. Describe planned efforts during and after construction to:

- Minimize erosion, sedimentation, or turbidity?

  Ground is Froze

- Minimize stream channel alterations?

- Minimize effects to stream flow or water quality caused by materials used or removal of ground cover?

- Minimize effects on fish and aquatic habitat?

- Minimize risks of flooding or erosion problems upstream and downstream?

- Revegetate/protect existing vegetation and control weeds?

13. **WHAT ARE THE NATURAL RESOURCE BENEFITS** of the proposed project?

14. **LIST ALTERNATIVES** to the proposed project. Why was the proposed alternative selected?

D. ADDITIONAL INFORMATION FOR SECTION 404, SECTION 10, AND FLOODPLAIN PERMITS. If applying for a Section 404 or Section 10 permit, fill out questions 1-3. If applying for a floodplain permit, fill out questions 3-6. (Additional information is required for floodplain permits – See "Information for Applicant.")

1. Will the project involve placement of fill material in a wetland? If yes, describe. How much wetland area will be filled? Calculate the area impacted by fill activity or other disturbance. Note: A delineation of the wetland may be required.

2. If there is a plan for compensatory mitigation, describe the location, type, and amount of proposed mitigation. Attach additional sheet if necessary.

3. List the names and address of landowners adjacent to the project site. This includes properties adjacent to and across from the project site. (Some floodplain communities require certified adjoining landowner lists).

_____

_____

_____

4. List all applicable local, state, and federal permits and indicate whether they were issued, waived, denied, or pending. Note: All required local, state, and federal permits, or proof of a waiver, must be issued prior to the issuance of a floodplain permit.

5. Floodplain Map Number _____

6. Does this project comply with local planning or zoning regulations? ☐ Yes ☒ No

E. SIGNATURES/AUTHORIZATIONS

Each agency must have original signatures signed in blue ink.

After completing the form, make the required number of copies and **then sign each copy.** Send the copies with original signatures and additional information required directly to each applicable agency.

The statements contained in this application are true and correct. I possess the authority to undertake the work described herein or I am acting as the duly authorized agent of the landowner. I authorize inspection of the project site after notice by inspection authorities.

APPLICANT:
Print Name: Bob Roper

Bob Roper Dec 7 10
Signature of Applicant Date

LANDOWNER:
Print Name: _____

Kurt Breithaupt
Signature of Landowner Date

*CONTRACTOR/AGENT:
Print Name: _____

_____
Signature of Contractor/Agent Date
*Contact agency to determine if contractor signature is required.

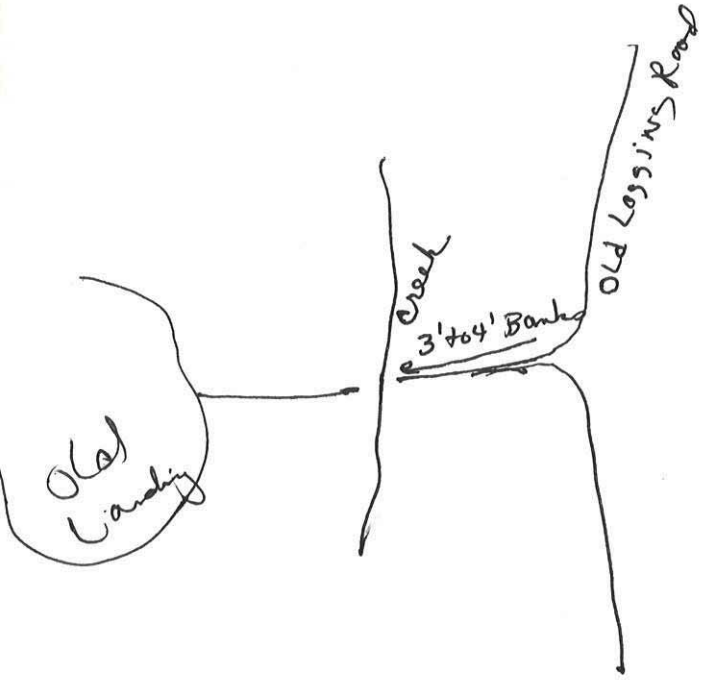
G-23-10

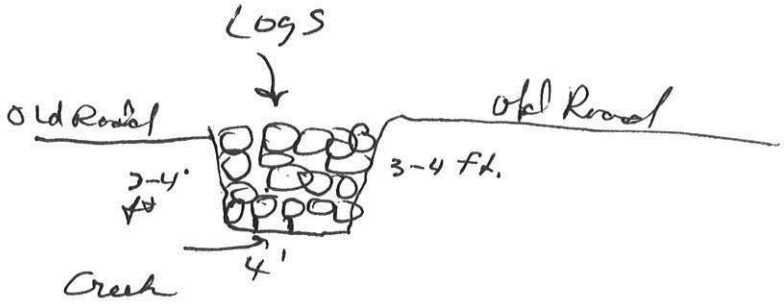
KPK Ranchs LP
474-upper Willow Cr P-Burg

SECTION	**32**
TOWNSHIP	**T08NR15W**
LEGAL DESCRIPTION	**S32, T08 N, R15 W, TRACT IN E2 COS 723**

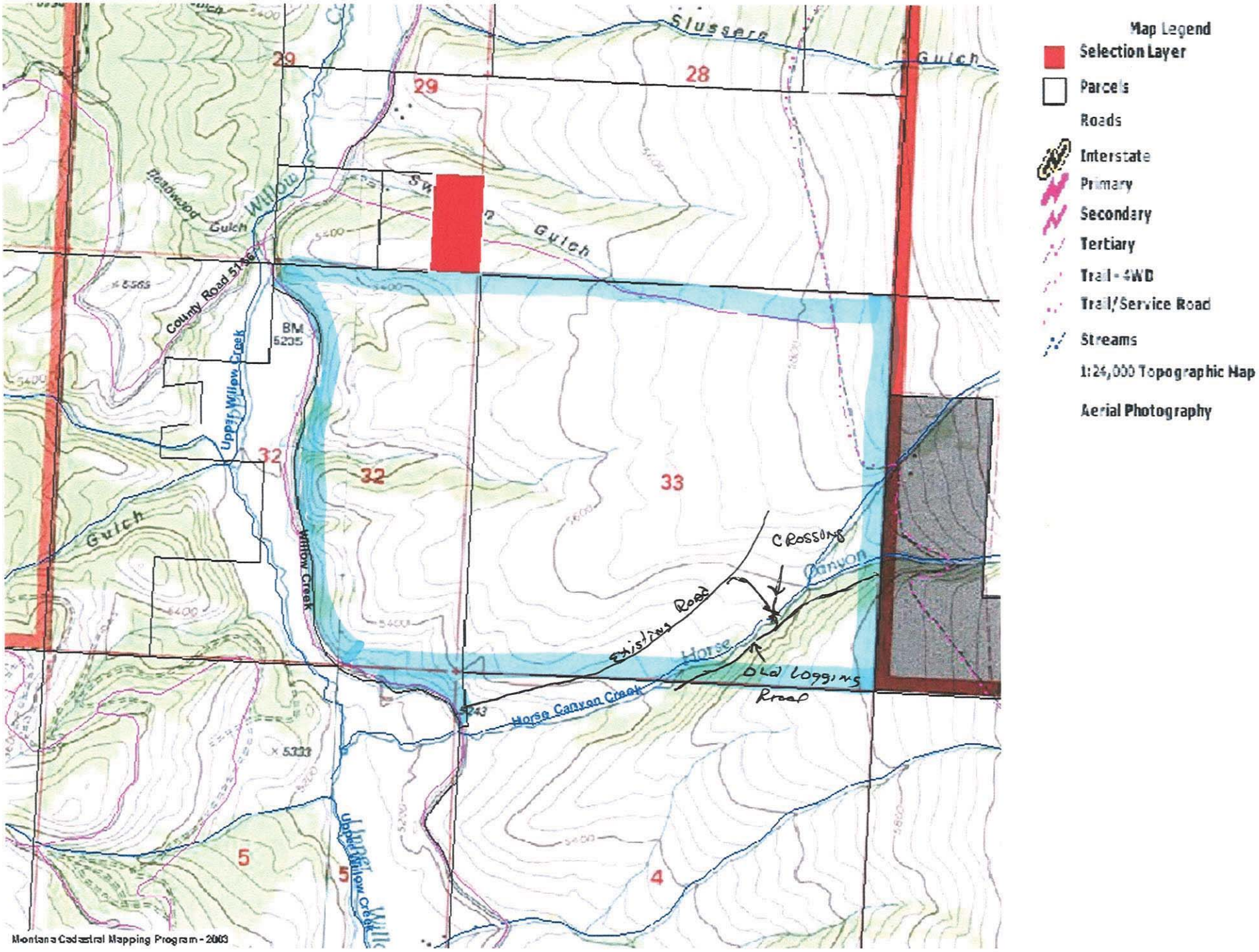
SECTION	**33**
TOWNSHIP	**T08NR15W**
LEGAL DESCRIPTION	**S33, T08 N, R15 W, ALL**

Put Logges in creek at old Creek Crossing to Skid over Creek has 3 to 4 ft. Banks that are frozen. Will Lay Logs in Creek so creek will flow Under and thrus Logs. Creek is only about 1 ft. Wide 2" to 3" Deep. Will place logs in creek with Loader and remove in about 30 Days, wont Distrube soil or Vegetation





Montana Cadastral Mapping Project



G-23-10

318 AUTHORIZATION REVIEW

I have reviewed the above project on behalf of the Montana Department of Environmental Quality (DEQ) pursuant to the Montana Water Quality Act Short-term Water Quality Standards for Turbidity 75-5-318 MCA:

O This project **will not** increase turbidity if completed according to the conditions listed in the 310 or 124 permit. Therefore, application to DEQ for a 318 authorization **is not** required.

O Impacts to the physical and biological environment from turbidity generated as a result of this project are uncertain. Therefore, the applicant must contact the Montana Department of Environmental Quality, 1520 East Sixth Avenue, Box 200901, Helena, MT 59620-0901, (406 444-3080) to determine project specific narrative conditions required to meet short-term water quality standards and protect aquatic biota.

X Turbidity generated from this project is expected to be short-term and have only temporary and minor impacts on the physical and biological environment. Therefore, compliance with the conditions stated in ***DEQ's Short Term Water Quality Standard for Turbidity Related to Construction Activity***, as well as other conditions listed in the 310 or 124 permit, are appropriate for this project.

DFWP Representative's Signature [signature] Date 12/13/10

State of Montana
Department of Fish, Wildlife & Parks

Application No. _____

Date Board Decision Received _____

Natural Streambed and Land Preservation Act

Department Decision Form

When applicable to be filled out by the Department team member and returned to the Board of Supervisors within 5 days of receipt of Board's decision.

Name of Applicant Bob Roper Stream Horse Canyon Creek

☒ I agree with the Board's decision.

☐ I disagree with the Board's decision but will not recommend arbitration on this project.

☐ I disagree with the Board's decision and will recommend arbitration.

Comments (*Print*): _____

Signature [signature] Date 12/13/10

Printed Name Brad Liermann

G-23-10

SHORT-TERM WATER QUALITY STANDARD FOR TURBIDITY RELATED TO CONSTRUCTION ACTIVITY
(318 Authorization)

Dear Applicant:

This 318 authorization is the result of your recent application for a 310 permit from your local Conservation District or a 124 permit from Montana Fish, Wildlife and Parks. This authorization is valid for the time frame noted on your permit.

This is not your 310 or 124 permit and no construction activity should occur until you have received a valid 310 or 124 permit as well as any other permits that apply to this proposed construction activity.

This authorization is the result of an Operating Agreement between the Montana Department of Environmental Quality (DEQ), and Montana Fish, Wildlife and Parks (FWP).

The applicant agrees to the comply with the conditions stated below, as well as other conditions listed in the 310 or 124 permit issued for this project. Signatures of the applicant and FWP are required to validate this authorization.

1. Construction activity in or near the watercourse are to be limited to the minimum area necessary, and conducted so as to minimize increases in suspended solids and turbidity that could degrade water quality and adversely affect aquatic life outside the immediate area of operation.

2. The use of machinery in the watercourse shall be avoided unless absolutely necessary.

3. All disturbed stream banks and adjacent areas created by the construction activity shall be protected with erosion control measures during construction. These areas shall be reclaimed with appropriate erosion control measures and revegetated to provide long-term erosion control.

4. Any excess material generated from this project must be disposed of above the ordinary high water mark, in an area not classified as a wetland, and in a position not to cause pollution of State waters.

5. Clearing of vegetation will be limited to that which is absolutely necessary for construction of the project.

6. This authorization does not authorize a point source surface water discharge. MPDES permit is required for said discharge.

7. Open cut creek crossings will not be allowed in flowing water. Stream water must be diverted around the open cut area (pump, flume etc.)

8. The applicant must conduct all activities in full and complete compliance with all terms and conditions of all permits required for this activity issued pursuant to the Montana Natural Streambed and Land Preservation Act (310 permit), the Stream Protection Act (124 permit) the Federal Water Quality Act (404 Permit), any MPDES permits for dewatering or storm water control in the construction area and any valid Memorandum of Agreement and Authorization (MAA) negotiated for this activity.

The FWP representative has determined that this project is within the scope of the programmatic Environmental Assessment prepared by DEQ and FWP for the issuance of narrative turbidity standards.

FWP Representative's Signature: _____ Date: 12/13/10

Applicants Signature: Bob Rogers _____ Date: 12/15/10

Name and location of project: Horse Canyon Creek Ford