



**State of Washington
DEPARTMENT OF FISH AND WILDLIFE**

Mailing Address: 600 Capitol Way N, Olympia, Washington 98501-1091 - (360) 902-2200

**ENVIRONMENTAL CHECKLIST
(WAC 197-11-960)**

A. BACKGROUND

- 1. Name of proposed project, if applicable:** Rockpile Creek Fire Barb Wire Fence Reconstruction
- 2. Name of Applicant:** Washington Department of Fish and Wildlife
- 3. Address and phone number of applicant and contact person:**

Washington Dept of Fish and Wildlife
Capitol Programs & Engineering Division
600 Capitol Way North
Olympia, WA 98501-1091

Contact Person: Marty Peoples
Fish and Wildlife Biologist
Telephone Number: (360) 902-8426
Fax Number: (360) 902-8367
E-Mail: peoplmdp@dfw.wa.gov

- 4. Date checklist prepared:** *May 1, 2008*
- 5. Agency requesting checklist:** *Washington Department of Fish and Wildlife*
- 6. Proposed timing or schedule (including phasing, if applicable):**
Construction is scheduled to begin in late May 2008.
- 7. Do you have any plans for future additions, expansion, or further activity related to or connected with this proposal? If yes, explain.**
No.
- 8. List any environmental information you know about that has been prepared, or will be prepared, directly related to this proposal:**
None known.
- 9. Do you know whether applications are pending for governmental approvals of other proposals directly affecting the property covered by your proposal? If yes, explain.** *None pending.*
- 10. List any government approvals or permits that will be needed for your proposal, if known.**
An HPA was acquired to ford George Creek to access work sites.

- 11. Give brief, complete description of your proposal, including the proposed uses and the size of the project and site. There are several questions later in this checklist that ask you to describe certain aspects of your proposal. You do not need to repeat those answers on this page.**

Reconstruction of approximately 10.3 miles of the barb wire fence that was damaged in the Rockpile Creek fire of 2007 will include demolition and removal of the existing damaged fence and construction in substantially the same alignment, using the same type materials.

Demolition will consist of removing burned wood fence materials and piling in stacks of 20 pieces, more or less, on WDFW property near the fence and removing steel fencing from the site.

Construction will consist of driving steel tee posts in the ground where possible, and where the ground is rocky, drilling a 1.5" x 18" deep hole and driving a tee post in. Corners and stretch braces will be constructed from treated wood posts embedded 2.5' into the ground. When posts are in place the barbed wire will be stapled or clipped to the post. Some 12' wide wire drop gates will be installed. Where wood posts cannot be buried due to the rocky soil, rockjacks will be constructed to provide fence stability (see the drawings for a rockjack example). Due to the remote location of parts of this fence, materials may be brought to the fence site by helicopter. Equipment used will be restricted to hand operated tools only.

Please see attached plans for construction techniques and design.

- 12. Location of the proposal. Give sufficient information for a person to understand the precise location of your proposed project, including street address, if any, and section, township, and range, if known. If a proposal would occur over a range of area, provide the range or boundaries of the site(s). Provide a legal description, site plan, vicinity map, and topographic map, if reasonably available. While you should submit any plans required by the agency, you are not required to duplicate maps or detailed plans submitted with any permit applications related to this checklist.**

The site is accessed from several points off of Cloverland Road. Private land must be crossed to reach this site. Fence repair will occur on the boundary of the George Creek Wildlife Area in areas designated on the attached site map.

The work will be in Section 1 & 3 of T9N, R45E; Sections 34 & 35 of T10N, R45E; Sections 7, 8, 16, 17, 19, 21 of T9N, R45E, W.M.

B. ENVIRONMENTAL ELEMENTS

1. Earth

- a. General description of the site (underline one): flat, rolling, hilly, steep slopes, mountainous, other _____.**
- b. What is the steepest slope on the site (approximate percent slope)? 45%.**
- c. What general types of soils are found on the site (for example, clay, sand, gravel, peat, muck)? If you know the classification of the agricultural soils, specify them and note any prime farmland.**

The soil in this area is classified primarily as silt loam, stony loam, and rock outcrop complex.

Prime farmland is located adjacent to much of the work area.

- d. Are there surface indications or history of unstable soils in the immediate vicinity? If so, describe. No.**
- e. Describe the purpose, type and approximate quantities of any filling or grading proposed. Indicate source of fill.**

No filling or grading is proposed or needed.

- f. Could erosion occur as a result of clearing, construction or use? If so generally describe.**

Not likely. Disturbed areas will be limited to fence posts holes. Rocky soil characteristics in the area further reduce the prospect for erosion.

- g. About what percent of the site will be covered with impervious surfaces after project construction (for example, asphalt or buildings)?**

There will be no impervious surfaces at the site.

- h. Proposed measures to reduce or control erosion, or other impacts to the earth, if any:**

Any potential erosion will be prevented using erosion control BMP's.

2. Air

- a. What type of emissions to the air would result from the proposal (i.e., dust automobile, odors, industrial wood smoke) during construction and when the project is completed? If any, generally describe and give approximate quantities if known.**

Vehicle exhaust and dust from construction is expected. No long-term change in emissions will result from the completed project.

- b. Are there any off-site sources of emissions or odor that may affect your proposal? If so, generally describe. No.**

- c. Proposed measures to reduce or control emissions or other impacts to air, if any: None.**

3. WATER

a. Surface

- 1) Is there any surface water body on or in the immediate vicinity of the site (including year-round and seasonal streams, saltwater, lakes ponds or wetlands)? If yes, describe type and provide names. If appropriate, state what stream or river it flows into.**

George Creek and Rockpile Creek are located immediately next to the project site. Rockpile Creek is a tributary of George Creek, and George Creek is a tributary of Asotin Creek.

- 2) Will the project require any work over, in, or adjacent to (within 200 feet) the described waters? If yes, please describe and attach available plans.**

Yes. The portion of the barb wire fence that previously spanned George Creek will be replaced. No portions of the fence will touch the ground or streambed below Ordinary

High Water and water flow will not be impeded in George Creek. The project description is listed in question 11 and the project plans are attached.

- 3) **Estimate the amount of fill and dredge material that would be placed in or removed from surface water or wetlands and indicate the area of the site that would be affected. Indicate the source of fill material.**

None.

- 4) **Will the proposal require surface water withdrawals or diversions? Give general description, purpose, and approximate quantities if known. No.**

- 5) **Does the proposal lie within a 100-year floodplain? If so, note location on the site plan.**

Yes, the two areas where the fence crosses George Creek are within the 100-year floodplain.

- 6) **Does the proposal involve any discharges of waste material to surface waters? If so, describe the type of waste and anticipated volume of discharge.**

No waste material will be discharged into surface waters.

b. Ground

- 1) **Will ground water be withdrawn, or will water be discharged to ground water? Give general description purpose, and approximate quantities, if known. No.**

- 2) **Describe waste material that will be discharged into the ground from septic tanks or other sources, if any (for example: Domestic sewage; industrial, containing the following chemicals. . . ; agricultural; etc.). Describe the general size of the system, the number of such systems, the number of houses to be served (if applicable), or the number of animals or humans the system(s) are expected to serve.**

No waste material will be discharged.

c. Water Runoff (including storm water):

- 1) **Describe the source of runoff (including storm water) and method of collection and disposal, if any (including quantities, if known). Where will this water flow? Will this water flow into other waters? If so, describe.**

Natural drainage patterns will not be altered.

- 2) **Could waste materials enter ground or surface waters? If so, generally describe.**

Yes. Vehicles will be crossing George Creek during construction periods which may introduce petroleum products into surface waters.

d. Proposed measures to reduce or control surface, ground and runoff water impacts, if any:

Vehicles using this established ford of George Creek would be required to be carefully washed to ensure that no petroleum products enter surface waters.

4. PLANTS

a. Check or underline types of vegetation found on the site:

deciduous tree: alder, willow, maple, aspen, cottonwood, other

evergreen tree: fir, cedar, pine, other

shrubs

grass

pasture

crop or grain

wet soil plants: cattail, buttercup, bulrush, skunk cabbage, other

water plants: waterlily, eelgrass, milfoil, other

other types of vegetation

b. What kind and amount of vegetation will be removed or altered? *None.*

c. List threatened and endangered species [of plants] known to be on or near the site.

Squaw Currant is listed as occurring on this portion of the wildlife area.

d. Proposed landscaping, use of native plants, or other measures to preserve or enhance vegetation on the site, if any:

Fence repair will prohibit livestock encroachment upon areas containing sensitive native plants. Construction of the fence will also occur substantially in the same footprint as the old fire damaged fence. Some minor realignments are necessary because the old fence was not on the property line.

5. ANIMALS

a. Underline any birds or animals, which have been observed on or near the site or are known to be on or near the site:

Birds: hawk, heron, eagle, songbirds, other:

Mammals: deer, bear, elk, beaver, other:

Fish: bass, salmon, trout, herring, shellfish, other:

b. List any threatened or endangered species known to be on or near the site.

Fall and Spring/Summer Chinook, and Bull Trout are known to be near the site.

c. Is the site part of a migration route? If so, explain.

Anadromous salmon stocks pass through this portion of the river.

d. Proposed measures to preserve and enhance wildlife, if any:

To preserve fish stocks, WDFW will perform this fence repair work completely out of water. Vehicle crossings to access the work site will follow strict guidelines specified in the HPA to protect fish.

6. ENERGY AND NATURAL RESOURCES

- a. What kinds of energy (electric, natural gas, oil, wood stove, solar) will be used to meet the completed project's energy needs? Describe whether it will be used for heating, manufacturing, etc.** *N/A.*
- b. Would your project affect the potential use of solar energy by adjacent properties? If so, generally describe.** *No.*
- c. What kinds of energy conservation features are included in the plans of this proposal? List other proposed measures to reduce or control energy impacts, if any:** *None.*

7. ENVIRONMENTAL HEALTH

- a. Are there any environmental health hazards, including exposure to toxic chemicals, risk of fire and explosion, spill or hazardous waste that could occur as a result of this proposal.** *No.*

1) Describe special emergency services that might be required.

Emergency medical services may be required during construction.

2) Proposed measures to reduce or control environmental health hazards, if any: *None.*

b. Noise

1) What types of noise exist in the area which may affect your project (for example: traffic, equipment, operation, other)? *None.*

2) What types and levels of noise would be created by or associated with the project on a short-term or long-term basis (for example: traffic, construction, operation, other)? Indicate what hours noise would come from the site.

Increased levels of noise during construction activities are expected from this project. Hours of increased noise levels will be 8am to 5pm. No change in noise level is expected from the completed project.

3) Proposed measures to reduce or control noise impacts, if any: *None.*

8. LAND AND SHORELINE USE

a. What is the current use of the site and adjacent properties?

This land is currently used as a State Wildlife Area, which sets aside land for wildlife protection and public access for recreation. The adjacent properties include mostly agricultural land and forested areas.

b. Has the site been used for agriculture? If so describe? *No.*

c. Describe any structures on the site.

There are no structures on this site other than the elk fence.

d. Will any structures be demolished? If so what?

The elk fence damaged in the 2005 fire will be demolished.

e. What is the current zoning classification of the site?

Rural/Agricultural.

f. What is the current comprehensive plan designation of the site?

Rural/Agricultural.

g. If applicable, what is the current shoreline master program designation of the site?

N/A.

h. Has any part of the site been classified as an "environmentally sensitive" area? If so, specify.

No.

i. Approximately how many people would reside or work in the completed project? *None.*

j. Approximately how many people would the completed project displace? *None.*

k. Proposed measures to avoid or reduce displacement impacts, if any: *None.*

l. Proposed measures to ensure the proposal is compatible with existing and projected land uses and plans, if any:

No change in land use is proposed.

9. HOUSING

a. Approximately how many units would be provided, if any? Indicate whether high, middle, or low-income housing. *None.*

b. Approximately how many units, if any, would be eliminated? Indicate whether high, middle, or low-income housing. *None.*

c. Proposed measures to reduce or control housing impacts, if any: *None.*

10. AESTHETICS

a. What is the tallest height of any proposed structure(s), not including antennas; what is the principal exterior building material(s) proposed?

Four-foot wood and steel fence posts will be installed.

b. What views in the immediate vicinity would be altered or obstructed? *None.*

c. Proposed measures to reduce or control aesthetic impacts, if any: *None.*

11. LIGHT AND GLARE

- a. **What type of light or glare will the proposal produce? What time of day would it mainly occur?**

No change will result in glare.

- b. **Could light or glare from the finished project be a safety hazard or interfere with views?**

No.

- c. **What existing off-site sources of light or glare may affect your proposal?** *None.*

- d. **Proposed measures to reduce or control light and glare impacts, if any:** *None.*

12. RECREATION

- a. **What designated and informal recreational opportunities are in the immediate vicinity?**

Fishing, hunting and wildlife viewing.

- b. **Would the proposed project displace any existing recreational uses? If so, describe.**

No.

- c. **Proposed measures to reduce or control impacts on recreation, including recreational opportunities to be provided by the project or applicant, if any:** *None.*

13. HISTORIC AND CULTURAL PRESERVATION

- a. **Are there any places or objects listed on, or proposed for, national, state, or local preservation registers known to be on or next to the site? If so, generally describe.** *No.*

- b. **Generally describe any landmarks or evidence of historic, archaeological, scientific, or cultural importance known to be on or next to the site.** *None.*

- c. **Proposed measures to reduce or control impacts, if any:**

Keep the project within the existing footprint.

14. TRANSPORTATION

- a. **Identify public streets and highways serving the site, and describe proposed access to the existing street system. Show on site plans, if any.**

Cloverland Road provides access to this site.

- b. **Is site currently served by public transit? If no, what is the approximate distance to the nearest transit stop?**

The site is not served by public transit. The nearest stop is in Asotin 5 miles away.

- c. **How many parking spaces would the completed project have? How many would the project eliminate?**

The completed project will not add or reduce parking spaces.

- d. Will the proposal require any new roads or streets, or improvements to existing roads or streets, not including driveways? If so, generally describe (indicate whether public or private). *No.*
- e. Will the project use (or occur in the immediate vicinity of) water, rail, or air transportation? If so, generally describe. *No.*
- f. How many vehicular trips per day would be generated by the completed project? If known, indicate when peak volumes would occur.

No additional vehicle trips are anticipated to result from this project.

- g. Proposed measures to reduce or control transportation impacts, if any: *None.*

15. PUBLIC SERVICES

- a. Would the project result in an increased need for public services (for example: fire protection, police protection, health care, schools, other)? If so generally describe. *No.*
- b. Proposed measures to reduce or control direct impacts on public services, if any: *None.*

16. UTILITIES

- a. Underline utilities currently available at the site: Electricity, Natural Gas, Water, Refuse Service, Telephone, Sanitary Sewer, Septic System, Other.
- b. Describe the utilities that are proposed for the project, the utility providing the service, and the general construction activities on the site or in the immediate vicinity, which might be needed.

No additional utilities proposed.

C. SIGNATURE

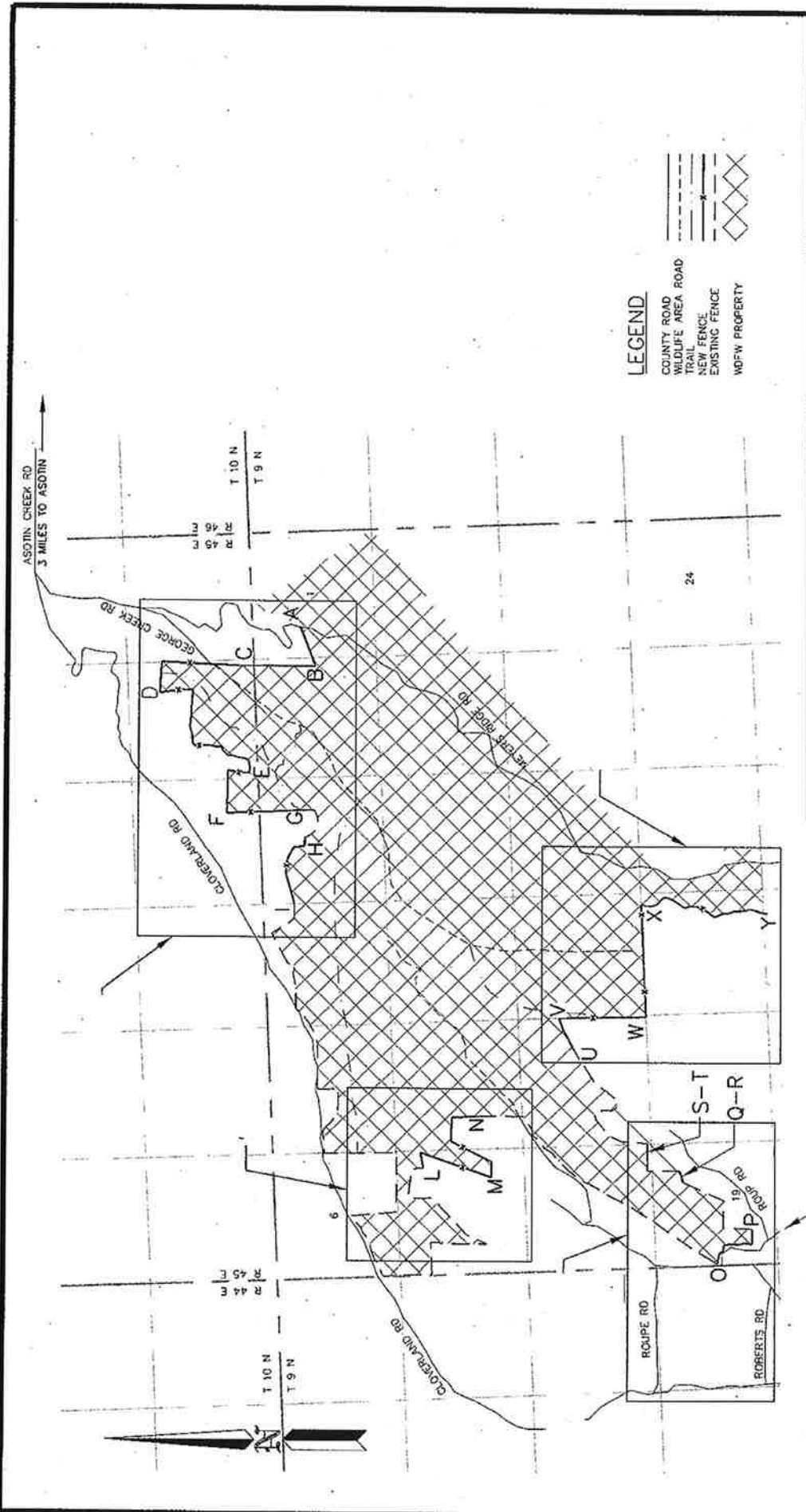
The above answers are true and complete to the best of my knowledge. I understand that the lead agency is relying on them to make its decision.

SIGNATURE: _____

Marty Peoples

DATE SUBMITTED: _____

May 5, 2008

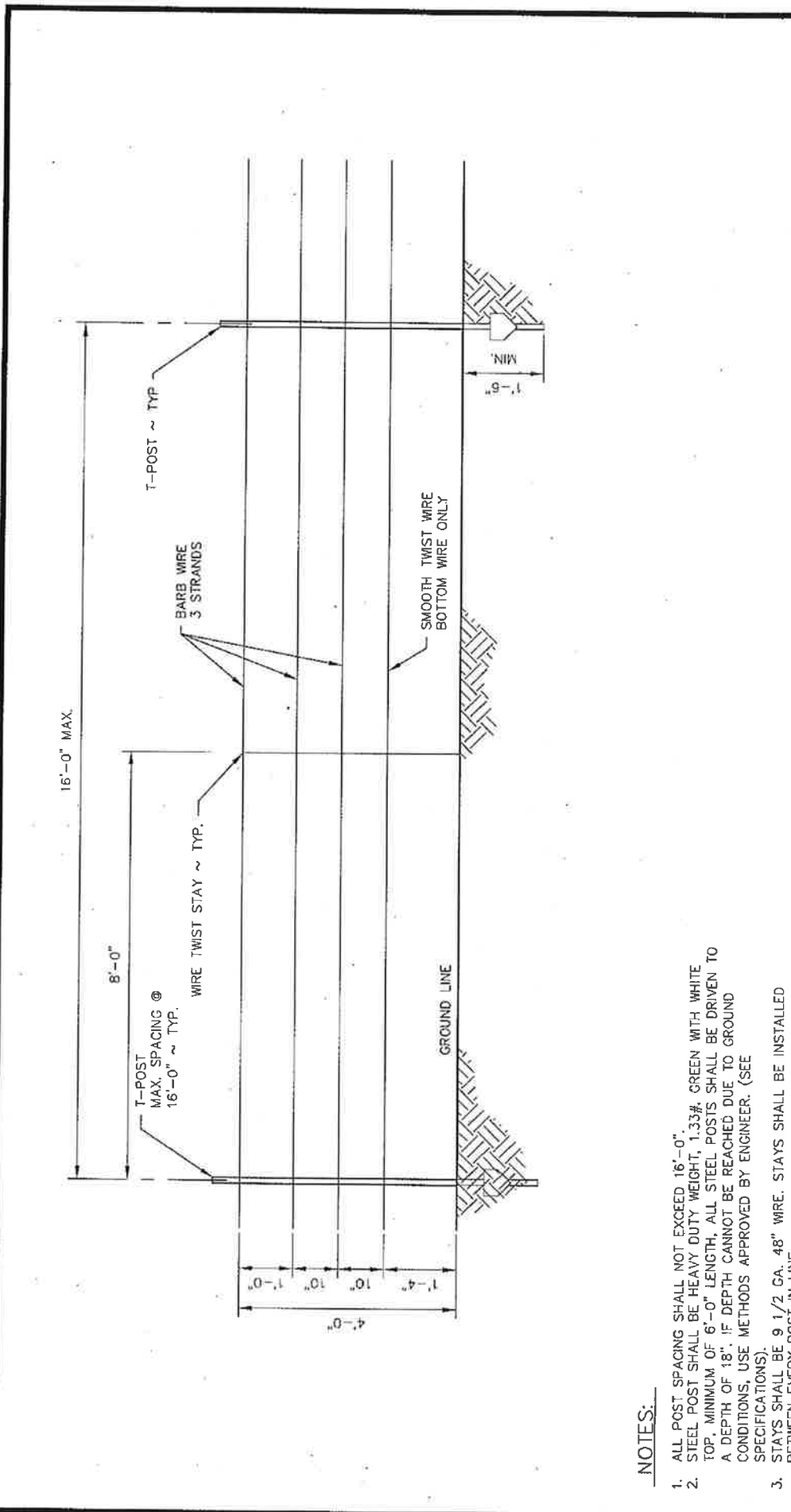


LEGEND
 COUNTY ROAD
 WILDLIFE AREA ROAD
 TRAIL
 NEW FENCE
 EXISTING FENCE
 WDFW PROPERTY

WASHINGTON STATE DEPARTMENT OF FISH AND WILDLIFE		ASOTIN WILDLIFE AREA	
		ROCKPILE CREEK FIRE FENCE	
DESIGNED BY R. BERG DRAWN BY R. ENGELHARDT DATE 3/27/2008 FILE NAME _____ APPROVED BY _____	PROJECT NO. AN:R38:08-1		
SITE MAP		SHEET	OF
		1	10

SITE MAP





NOTES:

1. ALL POST SPACING SHALL NOT EXCEED 16'-0".
2. STEEL POST SHALL BE HEAVY DUTY WEIGHT, 1.33#, GREEN WITH WHITE TOP. MINIMUM OF 6'-0" LENGTH. ALL STEEL POSTS SHALL BE DRIVEN TO A DEPTH OF 18". IF DEPTH CANNOT BE REACHED DUE TO GROUND CONDITIONS, USE METHODS APPROVED BY ENGINEER. (SEE SPECIFICATIONS).
3. STAYS SHALL BE 9 1/2 GA. 48" WIRE. STAYS SHALL BE INSTALLED BETWEEN EVERY POST IN LINE.
4. SMOOTH TWIST WIRE SHALL BE 12 1/2 GA. BARB LESS. (SEE SPECIFICATIONS).
5. BARB WIRE SHALL BE 12 1/2 GA., 4 POINT 14 GA. BARBED, WITH BARBS SPACED AT 5". (SEE SPECIFICATIONS).
6. STAPLES TO ATTACH WIRE TO WOOD POST SHALL BE BARBED GALV. 9 GA. 1 3/4" LONG. (SEE SPECIFICATIONS).

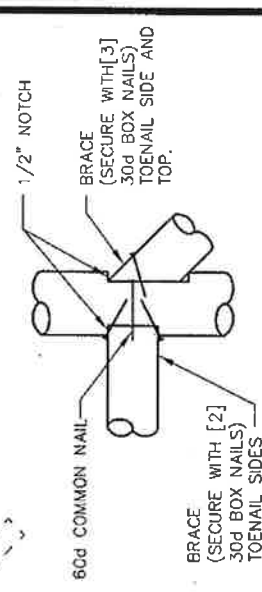
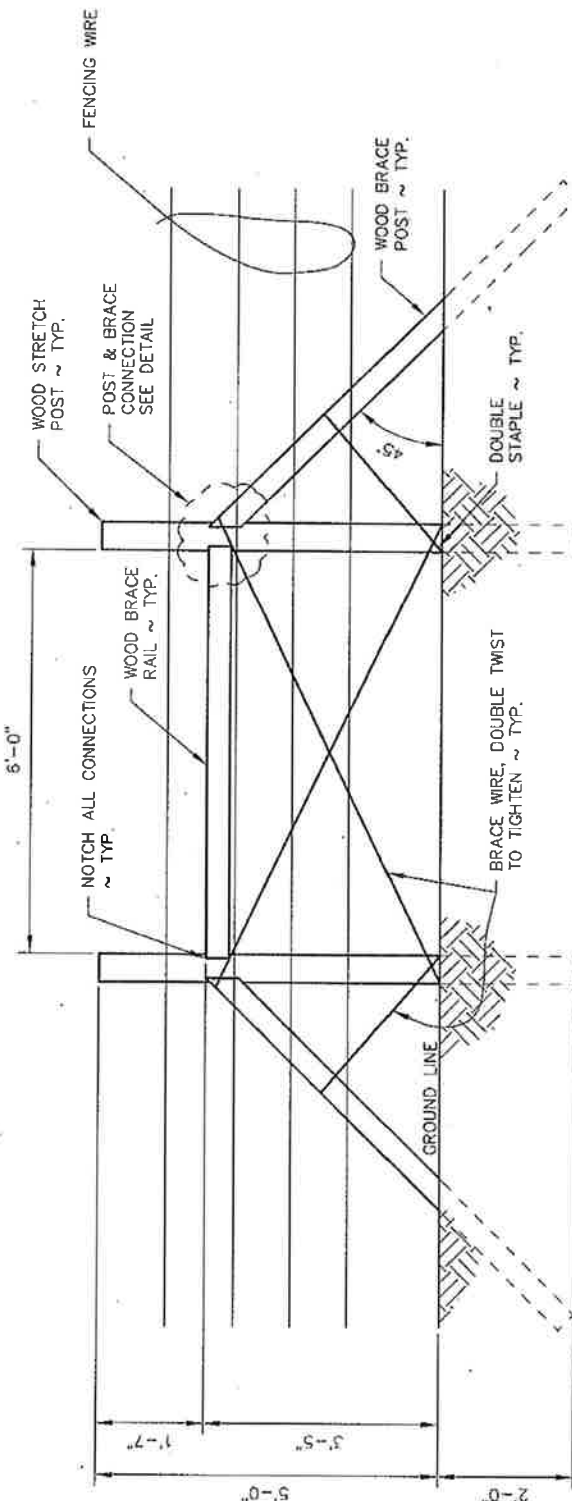
**WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE**

DESIGNED BY D.K. SMITH
 DRAWN BY R. ENGELHARDT
 DATE 3/26/2008
 FILE NAME _____
 APPROVED BY _____

ASOTIN WILDLIFE AREA
4 STRAND CATTLE/BOUNDARY FENCE
 LINE FENCE

PROJECT NO.
AN:R38:08-1

SHEET	OF
6	10



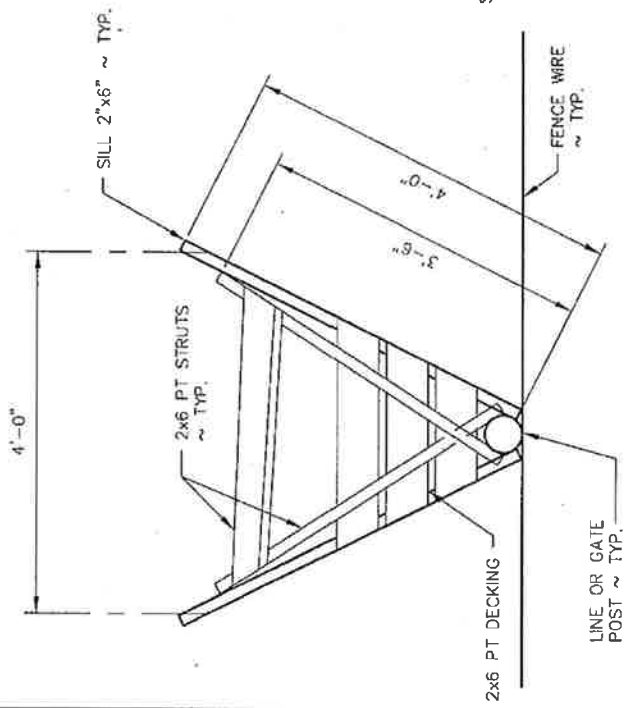
POST AND BRACE DETAIL

NOTES:

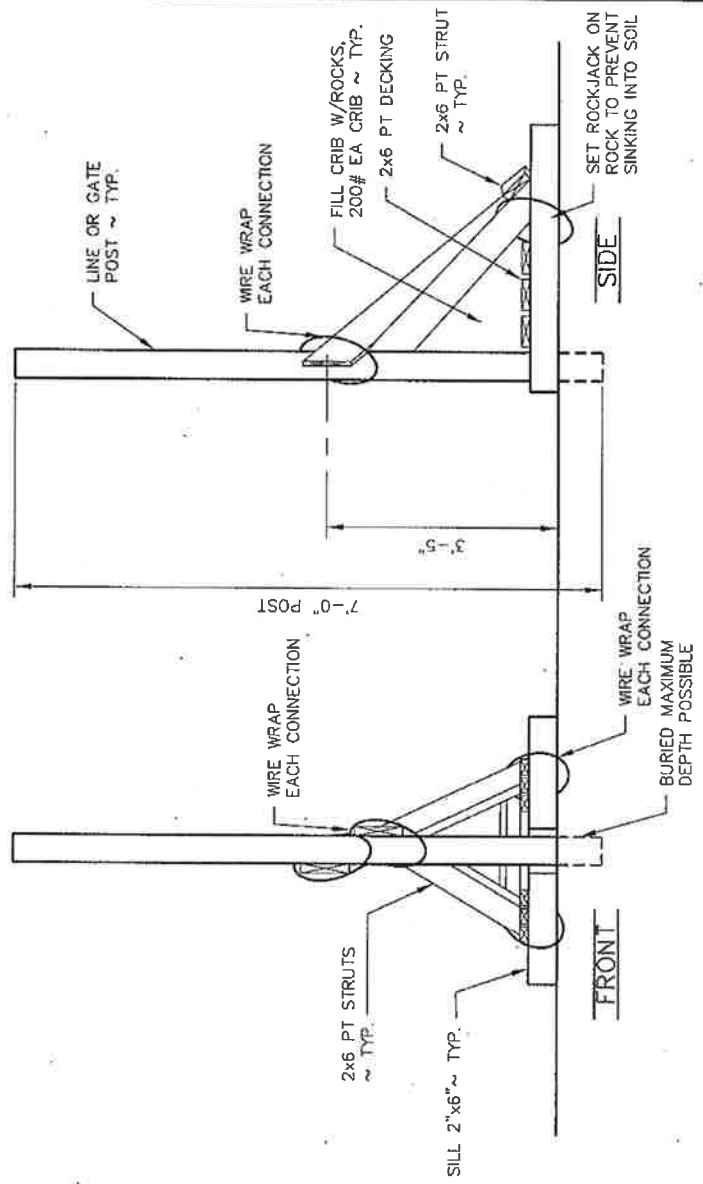
1. CORNER AND STRETCH BRACE POSTS SHALL BE AT LEAST 7'-0" LONG x 4" TO 5" IN DIAMETER; POSTS SHALL BE BURIED TO THE MINIMUM DEPTH SHOWN. POSTS SHALL BE DUG IN AND TAMPED, NOT DRIVEN. POSTS SHALL BE PRESSURE TREATED AS DESCRIBED IN SPECIFICATIONS.
2. POSTS MAY BE SUBSTITUTED WITH ROCK JACKS WHERE DIRECTED BY THE ENGINEER.
3. BRACE WIRE SHALL BE SMOOTH 9 GA. GALV. WIRE, MEETING THE REQUIREMENTS OF THE SPECIFICATIONS.
4. SMOOTH TWIST WIRE SHALL BE 12 1/2 GA., BARB LESS, CLASS 3 GALV.
5. BARB WIRE SHALL BE 12 1/2 GA., 4 POINT BARBED, WITH BARBS SPACED AT 5", CLASS 3 GALV.
6. STAPLES TO ATTACH WIRE TO WOOD POSTS SHALL BE GALV. 9 GA., 1 3/4" LONG. SEE SPECIFICATIONS.
7. STRETCH BRACE SPACING SHALL BE A MAXIMUM DISTANCE OF 1320'. (1/4 MILE).
8. STRETCH BRACES SHALL BE CONSTRUCTED WITH 60d NAILS.

**WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE**

DESIGNED BY <u>R. BERG</u> DRAWN BY <u>R. ENGELHARDT</u> DATE <u>3/28/2008</u> FILE NAME _____ APPROVED BY _____	PROJECT NO. AN:R38:08-1 SHEET 7 OF 10
ASOTIN WILDLIFE AREA	
4 STRAND CATTLE/BOUNDARY FENCE TWO WAY STRETCH BRACE	



PLAN
N.T.S.



ELEVATIONS
N.T.S.

NOTES:

1. BRACE/CORNERS SHALL BE AT LEAST 7'-0" x 4" TO 5" IN DIAMETER, POST SHALL BE TREATED AS DESCRIBED IN THE SPECIFICATIONS.
2. 2x6 SILL, STRUTS, AND DECKING SHALL BE PRESSURE TREATED.
3. ROCKJACKS ARE TO BE USED IN AREAS WHERE POST BURY DEPTH CANNOT BE ACHIEVED AND ONLY AS DIRECTED BY THE ENGINEER.
4. ATTACH ROCKJACK MEMBERS WITH 30d BOX NAIL H.D. GALV. NAILS.
5. LONGITUDINAL WIRES NOT SHOWN, SPACING SHALL BE THE SAME AS THE LINE FENCE.
6. ROCKJACK SHOWN ON LEVEL GROUND, STRUTS MAY NEED TO BE LONGER THAN SHOWN IN SLOPING TERRAIN.
7. FLOOR OF ROCKJACK SHALL BE LEVEL TO WITHIN ±2".

**WASHINGTON STATE
DEPARTMENT OF FISH AND WILDLIFE**

DESIGNED BY <u>D.K. SMITH</u>	PROJECT NO. <u>AN/R38:08-1</u>
DRAWN BY <u>R. ENGELHARDT</u>	SHEET <u>9</u> OF <u>10</u>
DATE <u>3/28/2008</u>	
FILE NAME _____	
APPROVED BY _____	
ASOTIN WILDLIFE AREA	
4 STRAND CATTLE/BOUNDARY FENCE	
ROCK JACK	