

SX-12-00008

Don Hoch
Director



STATE OF WASHINGTON
WASHINGTON STATE PARKS AND RECREATION COMMISSION

PARKS DEVELOPMENT SERVICE CENTER, EASTERN REGION
270 9th Street N. E., Suite 200, East Wenatchee, Washington 98802 • (509) 665-4343 • Fax (509) 886-0478
www.parks.wa.gov

June 28, 2012



Mr. Dan Valoff, Planner
Kittitas County Community Development Services
411 Ruby Street, Suite 2
Ellensburg, WA 98926

**RE: Iron Horse Trail State Park, John Wayne Pioneer: Tunnel #48 Repair Project
Shoreline Exemption Request**

Dear Mr. Valoff:

The Washington State Parks & Recreation Commission is planning to undertake a repair and maintenance project on the John Wayne Pioneer Trail, part of Iron Horse State Park. The project is located within the shoreline zone of Lake Easton.

I believe this project to be exempt under WAC 173-27-04(2)(b). As such, please find enclosed for your consideration:

- A JARPA application requesting a shoreline exemption.
- A Kittitas County Shoreline Permitting application form requesting an exemption.
- A State Environmental Policy Act (SEPA) exemption letter.

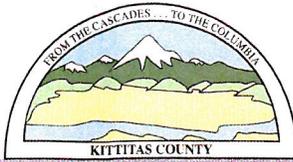
We are planning to commence begin construction in mid-August, so your expeditious processing of this exemption request is much appreciated.

If you have any questions or need additional information, please contact me at (509) 665-4339 or mark.schulz@parks.wa.gov

Sincerely,

Mark Schulz
Regional Environmental Specialist

Cc: Tony A. Rapozo, P.E., Construction Project Coordinator



KITTITAS COUNTY COMMUNITY DEVELOPMENT SERVICES

411 N. Ruby St., Suite 2, Ellensburg, WA 98926

CDS@CO.KITTITAS.WA.US

Office (509) 962-7506

Fax (509) 962-7682

"Building Partnerships - Building Communities"

SHORELINE PERMITTING

(For projects located within 200 feet of a body of water under the jurisdiction of the Shoreline Master Program)

The following bodies of water are under the jurisdiction of the Shoreline Master Program: (*denotes portion of shoreline requiring 200' setback)

- Little Creek, Cabin Creek, Log Creek, Swauk Creek, Wilson Creek (S. of Ellensburg), Naneum Creek, Taneum Creek Fork, Big Creek, Lake Keechelus, Lake Cle Elum, Lost Lake*, Unnamed Lakes (T21,R12)*, Tucquala Lake*, Cooper Lake*, Manastash Lake*, Lake Kachess*, Lake Easton, Cle Elum River, Columbia River*, Yakima River*, Kachess River, Teanaway River (Includes: Manastash Creek (Includes S. West, Middle, North Forks))

The County uses the Joint Aquatic Resources Permit Application (JARPA) form for all applications located within the jurisdiction of the Shoreline Management Plan, including projects within 200' of the bodies of water listed above. For reference, the first page of the 2010 JARPA is attached to this cover sheet.

To apply for a Shoreline Permit, please submit a completed JARPA form along with this cover letter.

You may request a copy of the JARPA form from Community Development Services, or download the form here: http://www.epermitting.wa.gov/site/alias_resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx

Please check the box next to the type of shoreline permit you are requesting:

- Shoreline Structural Setback Variance (Fee: \$1,520 to CDS)
Shoreline Substantial Development Permit (Fee: CDS: \$1,560+ SEPA, if not exempt: \$560 (CDS: \$490, PW: \$70))
Shoreline Conditional Use Permit (Fee: CDS: \$1,560+ SEPA, if not exempt: \$560 (CDS: \$490, PW: \$70)), if not processed together with a Shoreline Substantial Development Permit
[X] Shoreline Exemption
Other (please define):

APPLICATION FEES:

- (see above) Kittitas County Community Development Services (KCCDS)
(see above) Kittitas County Department of Public Works
(see above) Total fees due for this application (One check made payable to KCCDS)

FOR STAFF USE ONLY

Application Received By (CDS Staff Signature): [Signature] DATE: 7/2/12 RECEIPT # N/A RECEIVED JUL 02 2012 KITTITAS COUNTY DATE STAMP IN BOX



2010

WASHINGTON STATE Joint Aquatic Resources Permit Application (JARPA) Form¹

USE BLACK OR BLUE INK TO ENTER ANSWERS IN WHITE SPACES BELOW.



US Army Corps
of Engineers
Seattle District

RECEIVED

AGENCY USE ONLY

Date received: JUL 09 2012

Agency reference #: SX-12-00008

Tax Parcel #(s): 20-13-10000-0009

Part 1—Project Identification

1. Project Name (A name for your project that you create. Examples: Smith's Dock or Seabrook Lane Development) [\[help\]](#)²

Iron Horse State Park - John Wayne Pioneer Trail - Tunnel #48 Repair Project

Part 2—Applicant

The person or organization responsible for the project. [\[help\]](#)

2a. Name (Last, First, Middle) and Organization (if applicable)

Schulz, Mark, C. Washington State Parks and Recreation Commission

2b. Mailing Address (Street or PO Box)

220 9th Street NE, Suite 200

2c. City, State, Zip

Wenatchee, WA, 98802

2d. Phone (1)	2e. Phone (2)	2f. Fax	2g. E-mail
(509) 667-1819	()	()	mark.schulz@parks.wa.gov

Part 3—Authorized Agent or Contact

Person authorized to represent the applicant about the project. (Note: Authorized agent(s) must sign 11b. of this application.) [\[help\]](#)

3a. Name (Last, First, Middle) and Organization (if applicable)

3b. Mailing Address (Street or PO Box)

¹Additional forms may be required for the following permits:

- If your project may qualify for Department of the Army authorization through a Regional General Permit (RGP), contact the U.S. Army Corps of Engineers for application information (206) 764-3495.
- If your project might affect species listed under the Endangered Species Act, you will need to fill out a Specific Project Information Form (SPIF) or prepare a Biological Evaluation. Forms can be found at http://www.nws.usace.army.mil/PublicMenu/Menu.cfm?sitename=REG&pagename=mainpage_ESA
- If you are applying for an Aquatic Resources Use Authorization you will need to fill out and submit an Application for Authorization to Use State-Owned Aquatic Lands form to DNR, which can be found at http://www.dnr.wa.gov/Publications/aqr_use_auth_app.doc
- Not all cities and counties accept the JARPA for their local Shoreline permits. If you think you will need a Shoreline permit, contact the appropriate city or county government to make sure they will accept the JARPA.

²To access an online JARPA form with [\[help\]](#) screens, go to

http://www.epermitting.wa.gov/site/alias_resourcecenter/jarpa_jarpa_form/9984/jarpa_form.aspx.

For other help, contact the Governor's Office of Regulatory Assistance at 1-800-917-0043 or help@ora.wa.gov.

3c. City, State, Zip			
3d. Phone (1)	3e. Phone (2)	3f. Fax	3g. E-mail
()	()	()	

Part 4–Property Owner(s)

Contact information for people or organizations owning the property(ies) where the project will occur. [\[help\]](#)

- Same as applicant. (Skip to Part 5.)
- Repair or maintenance activities on existing rights-of-way or easements. (Skip to Part 5.)
- There are multiple property owners. Complete the section below and fill out [JARPA Attachment A](#) for each additional property owner.

4a. Name (Last, First, Middle) and Organization (if applicable)			
4b. Mailing Address (Street or PO Box)			
4c. City, State, Zip			
4d. Phone (1)	4e. Phone (2)	4f. Fax	4g. E-mail
()	()	()	

Part 5–Project Location(s)

Identifying information about the property or properties where the project will occur. [\[help\]](#)

- There are multiple project locations (e.g., linear projects). Complete the section below and use [JARPA Attachment B](#) for each additional project location.

5a. Indicate the type of ownership of the property. (Check all that apply.) [help]
<input type="checkbox"/> State Owned Aquatic Land (If yes or maybe, contact the Department of Natural Resources (DNR) at (360) 902-1100) <input type="checkbox"/> Federal <input checked="" type="checkbox"/> Other publicly owned (state, county, city, special districts like schools, ports, etc.) <input type="checkbox"/> Tribal <input type="checkbox"/> Private
5b. Street Address (Cannot be a PO Box. If there is no address, provide other location information in 5p.) [help]
No street address.
5c. City, State, Zip (If the project is not in a city or town, provide the name of the nearest city or town.) [help]
The town of Easton is approximately 2 miles SE of Tunnel 48.
5d. County [help]
Kittitas

5e. Provide the section, township, and range for the project location. [\[help\]](#)

¼ Section	Section	Township	Range
NE	10	20N	13E

5f. Provide the latitude and longitude of the project location. [\[help\]](#)

- Example: 47.03922 N lat. / -122.89142 W long. (NAD 83)

-121.11.788606 lat / 47.14.756114 long.

5g. List the tax parcel number(s) for the project location. [\[help\]](#)

- The local county assessor's office can provide this information.

20-13-10000-0009 (railroad right-of-way/easement)

5h. Contact information for all adjoining property owners. (If you need more space, use JARPA Attachment C.) [\[help\]](#)

Name	Mailing Address	Tax Parcel # (if known)
BNSF Railway Co.	PO Box 961089, Ft. Worth, TX 76161-0089	

5i. List all wetlands on or adjacent to the project location. [\[help\]](#)

Tunnel 48 – Wetlands associated with Lake Easton (source: NWI)

5j. List all waterbodies (other than wetlands) on or adjacent to the project location. [\[help\]](#)

Lake Easton

5k. Is any part of the project area within a 100-year flood plain? [\[help\]](#)

Yes No Don't know

5l. Briefly describe the vegetation and habitat conditions on the property. [\[help\]](#)

No vegetation inside the tunnels. Outside and on top of the tunnel, there are limited evergreen and deciduous trees, shrubs, and grasses.

5m. Describe how the property is currently used. [\[help\]](#)

The property is used for public recreation.

5n. Describe how the adjacent properties are currently used. [\[help\]](#)

Open space, recreation, and transportation.

5o. Describe the structures (above and below ground) on the property, including their purpose(s). [\[help\]](#)

Former railroad tunnel structure originally constructed in 1910, now part of the John Wayne Pioneer Trail.

5p. Provide driving directions from the closest highway to the project location, and attach a map. [\[help\]](#)

From Easton: leave I-90 at exit #71, turn south to stop sign, cross Railroad Street, railroad tracks, turn left. Drive 1.4 mile to the trailhead parking area.

Part 6–Project Description

6a. Summarize the overall project. You can provide more detail in 6d. [help]

The project involves repairs to the portals and concrete lining of Tunnel 48 (200 lf structure). The liner of the tunnel is experiencing a variety of failures including, bulges, blowouts, groundwater infiltration, and delamination. Additionally, the tunnel has various degrees of slope instability in the vicinity of its portals.

6b. Indicate the project category. (Check all that apply) [help]

- Commercial Residential Institutional Transportation Recreational
 Maintenance Environmental Enhancement

6c. Indicate the major elements of your project. (Check all that apply) [help]

- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Aquaculture | <input type="checkbox"/> Culvert | <input type="checkbox"/> Float | <input type="checkbox"/> Road |
| <input type="checkbox"/> Bank Stabilization | <input type="checkbox"/> Dam / Weir | <input type="checkbox"/> Geotechnical Survey | <input type="checkbox"/> Scientific Measurement Device |
| <input type="checkbox"/> Boat House | <input type="checkbox"/> Dike / Levee / Jetty | <input type="checkbox"/> Land Clearing | <input type="checkbox"/> Stairs |
| <input type="checkbox"/> Boat Launch | <input type="checkbox"/> Ditch | <input type="checkbox"/> Marina / Moorage | <input type="checkbox"/> Stormwater facility |
| <input type="checkbox"/> Boat Lift | <input type="checkbox"/> Dock / Pier | <input type="checkbox"/> Mining | <input type="checkbox"/> Swimming Pool |
| <input type="checkbox"/> Bridge | <input type="checkbox"/> Dredging | <input type="checkbox"/> Outfall Structure | <input type="checkbox"/> Utility Line |
| <input type="checkbox"/> Bulkhead | <input type="checkbox"/> Fence | <input type="checkbox"/> Piling | |
| <input type="checkbox"/> Buoy | <input type="checkbox"/> Ferry Terminal | <input type="checkbox"/> Retaining Wall (upland) | |
| <input type="checkbox"/> Channel Modification | <input type="checkbox"/> Fishway | | |

Other: recreational structure (tunnel) repair.

6d. Describe how you plan to construct each project element checked in 6c. Include specific construction methods and equipment to be used. [help]

- Identify where each element will occur in relation to the nearest waterbody.
- Indicate which activities are within the 100-year flood plain.

All work is located within the shoreline zone of Lake Easton, located approximately 150' to the NE of the tunnel structure. In general, there are four categories of tunnel repair based on four classifications of defects and damage. The categories of tunnel repair are as follows:

- Category 1 – Complete blowout through the concrete lining requiring a full shotcrete overlay
- Category 2 - Large spalling with exposed rebar requiring major scaling and partial shotcrete liner repair of damaged areas
- Category 3- Delamination, heavy cracking, and minor spalling of the liner surface without exposed rebar requiring surficial scaling and sealing; also includes weeping construction joints
- Category 4 - Bulging sidewalls requiring rockbolts

The types of equipment to be used to perform the repairs include: hy-lift vehicle, scaling bars, jack leg drill, Hilti gun, hand trowel tools, shotcrete train set-up (including hopper, gantry crane, concrete mixer, generator set, pump, water tank) and grout mixer set-up (including generator set, pump, water tank).

Repairs at the portal structures and in the (rock cut) approaches to the portals will be done by scaling loose rock and debris on the back slopes above the portal headwall structure. Tecco® slope stabilization system (or equivalent) will be to help control future rock fall. Some minor vegetation and tree removal will be required in order to undertake the proposed repairs at the portals. Vegetation will be cut down to ground level approximately 45 feet behind the West portal and 60 feet behind the East portal, including removal of approximately 2 conifer trees over 10" in diameter. There will be no work within the 100-year floodplain.

6e. What are the start and end dates for project construction? (month/year) [\[help\]](#)

- If the project will be constructed in phases or stages, use JARPA Attachment D to list the start and end dates of each phase or stage.

Start date: August 15, 2012

End date: November 21, 2012

See JARPA Attachment D

6f. Describe the purpose of the project and why you want or need to perform it. [\[help\]](#)

This project is needed in order to safely re-open a closed section of the John Wayne Pioneer Trail to authorized public recreational uses. It is also needed for the long-term maintenance (stabilization) of the tunnel structure.

6g. Fair market value of the project, including materials, labor, machine rentals, etc. [\[help\]](#)

Engineer's estimate of \$520,000 dollars

6h. Will any portion of the project receive federal funding? [\[help\]](#)

- If yes, list each agency providing funds.

Yes No Don't know

Part 7--Wetlands: Impacts and Mitigation

- Check here if there are wetlands or wetland buffers on or adjacent to the project area.
(If there are none, skip to Part 8.) [\[help\]](#)

7a. Describe how the project has been designed to avoid and minimize adverse impacts to wetlands. [\[help\]](#)

Not applicable

7b. Will the project impact wetlands? [\[help\]](#)

Yes No Don't know

7c. Will the project impact wetland buffers? [\[help\]](#)

Yes No Don't know

7d. Has a wetland delineation report been prepared? [\[help\]](#)

- If yes, submit the report, including data sheets, with the JARPA package.

Yes No

7e. Have the wetlands been rated using the Western Washington or Eastern Washington Wetland Rating System? [\[help\]](#)

- If yes, submit the wetland rating forms and figures with the JARPA package.

Yes No Don't know

7f. Have you prepared a mitigation plan to compensate for any adverse impacts to wetlands? [\[help\]](#)

- If yes, submit the plan with the JARPA package and answer 7g.
- If No, or Not applicable, explain below why a mitigation plan should not be required.

Yes No Not applicable

No adverse impacts anticipated. All work will be limited to the tunnel structure, located within the existing trail corridor (former RR right-of-way).

7g. Summarize what the mitigation plan is meant to accomplish, and describe how a watershed approach was used to design the plan. [\[help\]](#)

N/A

7h. Use the table below to list the type and rating of each wetland impacted; the extent and duration of the impact; and the type and amount of mitigation proposed. Or if you are submitting a mitigation plan with a similar table, you can state (below) where we can find this information in the plan. [\[help\]](#)

Activity (fill, drain, excavate, flood, etc.)	Wetland Name ¹	Wetland type and rating category ²	Impact area (sq. ft. or Acres)	Duration of impact ³	Proposed mitigation type ⁴	Wetland mitigation area (sq. ft. or acres)

¹ If no official name for the wetland exists, create a unique name (such as "Wetland 1"). The name should be consistent with other project documents, such as a wetland delineation report.

² Ecology wetland category based on current Western Washington or Eastern Washington Wetland Rating System. Provide the wetland rating forms with the JARPA package.

³ Indicate the days, months or years the wetland will be measurably impacted by the activity. Enter "permanent" if applicable.

⁴ Creation (C), Re-establishment/Rehabilitation (R), Enhancement (E), Preservation (P), Mitigation Bank/In-lieu fee (B)

Page number(s) for similar information in the mitigation plan, if available: _____

7i. For all filling activities identified in 7h., describe the source and nature of the fill material, the amount in cubic yards that will be used, and how and where it will be placed into the wetland. [\[help\]](#)

7j. For all excavating activities identified in 7h., describe the excavation method, type and amount of material in cubic yards you will remove, and where the material will be disposed. [\[help\]](#)

Part 8–Waterbodies (other than wetlands): Impacts and Mitigation

In Part 8, "waterbodies" refers to non-wetland waterbodies. (See Part 7 for information related to wetlands.) [\[help\]](#)

Check here if there are waterbodies on or adjacent to the project area. (If there are none, skip to Part 9.)

8a. Describe how the project is designed to avoid and minimize adverse impacts to the aquatic environment. [\[help\]](#)

Not applicable

8b. Will your project impact a waterbody or the area around a waterbody? [\[help\]](#)

Yes No

8c. Have you prepared a mitigation plan to compensate for the project's adverse impacts to non-wetland waterbodies? [\[help\]](#)

- If **yes**, submit the plan with the JARPA package and answer 8d.
- If **No**, or **Not applicable**, explain below why a mitigation plan should not be required.

Yes No Not applicable

No adverse impacts anticipated. All work will be limited to the tunnel structure, within the existing trail corridor (former RR right-of-way).

8d. Summarize what the mitigation plan is meant to accomplish. Describe how a watershed approach was used to design the plan.

- If you already completed 7g., you do not need to restate your answer here. [\[help\]](#)

N/A

8e. Summarize impact(s) to each waterbody in the table below. [\[help\]](#)

Activity (clear, dredge, fill, pile drive, etc.)	Waterbody name ¹	Impact location ²	Duration of impact ³	Amount of material to be placed in or removed from waterbody	Area (sq. ft. or linear ft.) of waterbody directly affected
Excavate	Lk. Easton	Adj./~150'	~3 mo.	~100 c.y.	~200 lf

¹ If no official name for the waterbody exists, create a unique name (such as "Stream 1") The name should be consistent with other documents provided.

² Indicate whether the impact will occur in or adjacent to the waterbody. If adjacent, provide the distance between the impact and the waterbody and indicate whether the impact will occur within the 100-year flood plain.

³ Indicate the days, months or years the waterbody will be measurably impacted by the work. Enter "permanent" if applicable.

8f. For all activities identified in 8e., describe the source and nature of the fill material, amount (in cubic yards) you will use, and how and where it will be placed into the waterbody. [\[help\]](#)

None.

8g. For all excavating or dredging activities identified in 8e., describe the method for excavating or dredging, type and amount of material you will remove, and where the material will be disposed. [\[help\]](#)

Excavating activities outside the tunnel will be on the portal structure, scaling the rock along the approach to the portals, and re-establishing the rockfall catchment areas outside of the tunnel. On the top of the tunnel portals, there is vegetation, soil, and loose rock in the depression behind the headwall parapets. This material will be removed from site and disposed of at an approved landfill. The work will be performed using a long reach excavator and hand tool equipment. There will be approximately 100 cy removed and this material will be disposed at an approved disposal facility. The loose rock and debris will be scaled using hand tool equipment and a hy-lift vehicle from the rock slopes on the approaches to the tunnel portals. The rockfall catchment areas at the toe of the slopes will be re-established to arrest raveling rock. The rockfall catchment areas will be re-established using a small excavator. This material will be removed from the site to an approved landfill.

Part 9—Additional Information

Any additional information you can provide helps the reviewer(s) understand your project. Complete as much of this section as you can. It is ok if you cannot answer a question.

9a. If you have already worked with any government agencies on this project, list them below. [\[help\]](#)

Agency Name	Contact Name	Phone	Most Recent Date of Contact
Kittitas County	Dan Valoff	(509) 962-7637	04/30/2012

9b. Are any of the wetlands or waterbodies identified in Part 7 or Part 8 on the Washington Department of Ecology's 303(d) List? [\[help\]](#)

- If yes, list the parameter(s) below.
- If you don't know, use Washington Department of Ecology's Water Quality Assessment tools at: <http://www.ecy.wa.gov/programs/wq/303d/>.

Yes No

Temp., DO, and pH.

9c. What U.S. Geological Survey Hydrological Unit Code (HUC) is the project in? [\[help\]](#)

- Go to <http://cfpub.epa.gov/surf/locate/index.cfm> to help identify the HUC.

17030001

9d. What Water Resource Inventory Area Number (WRIA #) is the project in? [\[help\]](#)

- Go to <http://www.ecy.wa.gov/services/gis/maps/wria/wria.htm> to find the WRIA #.

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9e. Will the in-water construction work comply with the State of Washington water quality standards for turbidity? [\[help\]](#)

- Go to <http://www.ecy.wa.gov/programs/wq/swqs/criteria.html> for the standards.

Yes No Not applicable

9f. If the project is within the jurisdiction of the Shoreline Management Act, what is the local shoreline environment designation? [\[help\]](#)

- If you don't know, contact the local planning department.
- For more information, go to: http://www.ecy.wa.gov/programs/sea/sma/laws_rules/173-26/211_designations.html.

Rural Urban Natural Aquatic Conservancy Other _____

9g. What is the Washington Department of Natural Resources Water Type? [\[help\]](#)

- Go to http://www.dnr.wa.gov/BusinessPermits/Topics/ForestPracticesApplications/Pages/fp_watertyping.aspx for the Forest Practices Water Typing System.

Shoreline Fish Non-Fish Perennial Non-Fish Seasonal

9h. Will this project be designed to meet the Washington Department of Ecology's most current stormwater manual? [\[help\]](#)

- If no, provide the name of the manual your project is designed to meet.

Yes No N/A

Name of manual:

9i. If you know what the property was used for in the past, describe below. [\[help\]](#)

Railroad (transportation)

9j. Has a cultural resource (archaeological) survey been performed on the project area? [\[help\]](#)

- If yes, attach it to your JARPA package.

Yes No (Pending)

9k. Name each species listed under the federal Endangered Species Act that occurs in the vicinity of the project area or might be affected by the proposed work. [\[help\]](#)

LISTED AND PROPOSED ENDANGERED AND THREATENED SPECIES AND CRITICAL HABITAT; CANDIDATE SPECIES; AND SPECIES OF CONCERN IN KITTITAS COUNTY AS PREPARED BY THE U.S. FISH AND WILDLIFE SERVICE CENTRAL WASHINGTON FIELD OFFICE (Revised August 1, 2011). (Source: USFWS database search 04/30/12)

LISTED

Bull trout (*Salvelinus confluentus*) – Columbia River DPS
Canada lynx (*Lynx canadensis*)
Gray wolf (*Canis lupus*)
Grizzly bear (*Ursus arctos horribilis*)
Marbled murrelet (*Brachyramphus marmoratus*)
Northern spotted owl (*Strix occidentalis caurina*)

NOAA FISHERIES LISTED SPECIES (Source: SASI database search 4/30/12)

Middle Columbia River Spring Chinook ESU, Upper Columbia River Summer/Fall Chinook ESU, Middle Columbia River Steelhead ESU

9l. Name each species or habitat on the Washington Department of Fish and Wildlife's Priority Habitats and Species List that might be affected by the proposed work. [\[help\]](#)

Upper Yakima Riparian Area (Source: Kittitas County GIS & WDFW PHS database search 04/30/2012)

Part 10–SEPA Compliance and Permits

Use the resources and checklist below to identify the permits you are applying for.

- Online Project Questionnaire at <http://apps.ecy.wa.gov/opas/>.
- Governor's Office of Regulatory Assistance at (800) 917-0043 or help@ora.wa.gov.
- For a list of agency addresses to send your application, click on the "where to send your completed JARPA" at <http://www.epermitting.wa.gov>.

10a. Compliance with the State Environmental Policy Act (SEPA). (Check all that apply.) [\[help\]](#)

- For more information about SEPA, go to www.ecy.wa.gov/programs/sea/sepa/e-review.html.

A copy of the SEPA determination or letter of exemption is included with this application.

A SEPA determination is pending with _____ (lead agency). The expected decision date is _____.

I am applying for a Fish Habitat Enhancement Exemption. (Check the box below in 10b.) [\[help\]](#)

This project is exempt (choose type of exemption below).

Categorical Exemption. Under what section of the SEPA administrative code (WAC) is it exempt?
WAC 197-11-800(3).

Other: _____

SEPA is pre-empted by federal law.

10b. Indicate the permits you are applying for. (Check all that apply.) [\[help\]](#)

LOCAL GOVERNMENT

Local Government Shoreline permits:

- Substantial Development Conditional Use Variance
 Shoreline Exemption Type (explain): Repair and maintenance (WAC 173-27-040(2)(b))

Other city/county permits:

- Floodplain Development Permit Critical Areas Ordinance

STATE GOVERNMENT

Washington Department of Fish and Wildlife:

- Hydraulic Project Approval (HPA) Fish Habitat Enhancement Exemption

Washington Department of Ecology:

- Section 401 Water Quality Certification

Washington Department of Natural Resources:

- Aquatic Resources Use Authorization

FEDERAL GOVERNMENT

United States Department of the Army permits (U.S. Army Corps of Engineers):

- Section 404 (discharges into waters of the U.S.) Section 10 (work in navigable waters)

United States Coast Guard permits:

- General Bridge Act Permit Private Aids to Navigation (for non-bridge projects)

Part 11—Authorizing Signatures

Signatures are required before submitting the JARPA package. The JARPA package includes the JARPA form, project plans, photos, etc. [\[help\]](#)

11a. Applicant Signature (required) [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities, and I agree to start work only after I have received all necessary permits.

I hereby authorize the agent named in Part 3 of this application to act on my behalf in matters related to this application. _____ (initial)

By initialing here, I state that I have the authority to grant access to the property. I also give my consent to the permitting agencies entering the property where the project is located to inspect the project site or any work related to the project. MCS (initial)

MARK C. SCHULZ
Applicant Printed Name

Mark C. Schulz
Applicant Signature

06/28/2012
Date

11b. Authorized Agent Signature [\[help\]](#)

I certify that to the best of my knowledge and belief, the information provided in this application is true, complete, and accurate. I also certify that I have the authority to carry out the proposed activities and I agree to start work only after all necessary permits have been issued.

Authorized Agent Printed Name

Authorized Agent Signature

Date

11c. Property Owner Signature (if not applicant). [\[help\]](#)

Not required if project is on existing rights-of-way or easements.

I consent to the permitting agencies entering the property where the project is located to inspect the project site or any work. These inspections shall occur at reasonable times and, if practical, with prior notice to the landowner.

Property Owner Printed Name

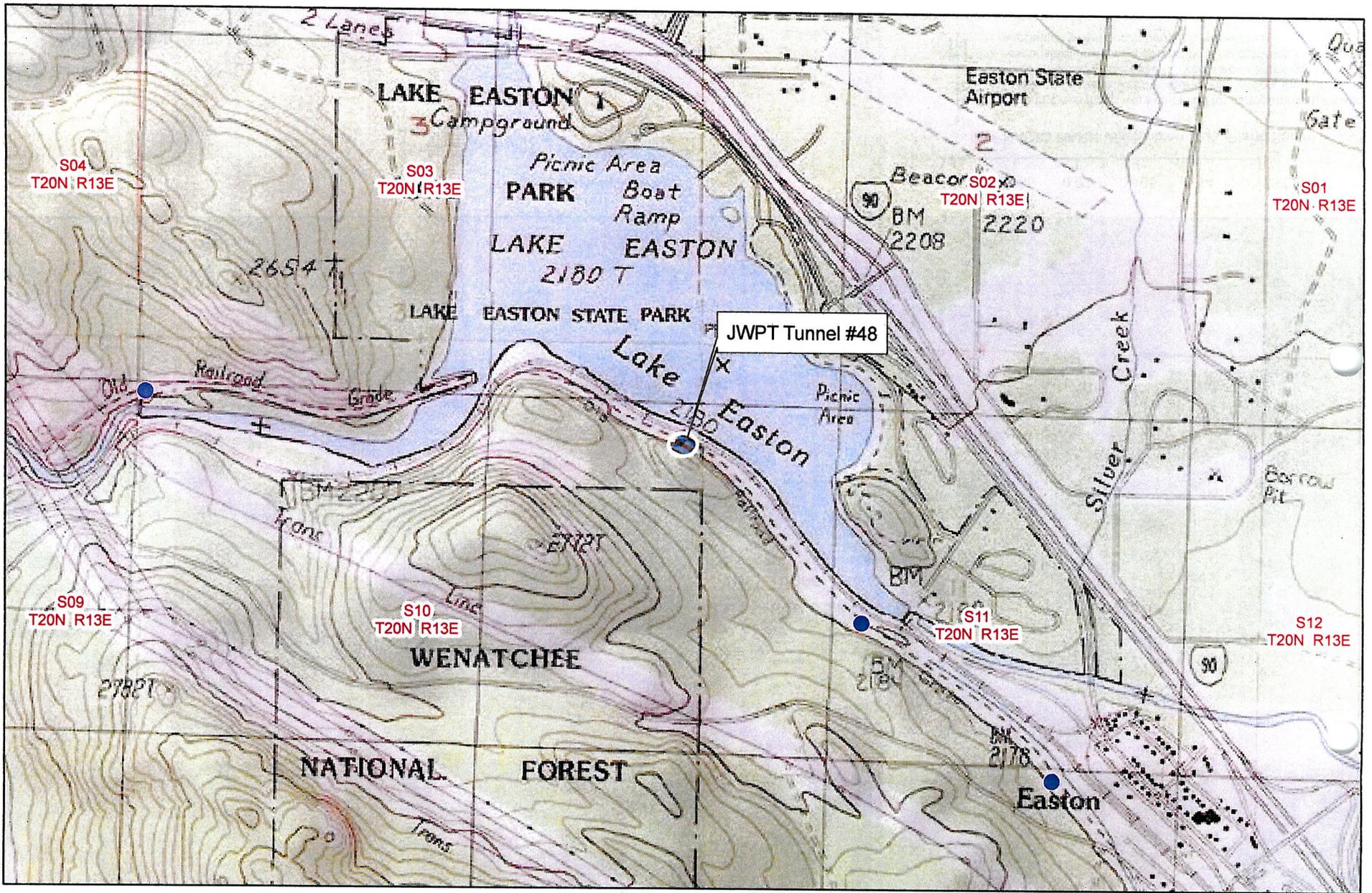
Property Owner Signature

Date

18 U.S.C §1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly falsifies, conceals, or covers up by any trick, scheme, or device a material fact or makes any false, fictitious, or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious, or fraudulent statement or entry, shall be fined not more than \$10,000 or imprisoned not more than 5 years or both.

If you require this document in another format, contact The Governor's Office of Regulatory Assistance (ORA). People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call (877) 833-6341.

ORA publication number: ENV-019-09



0 0.05 0.1 0.2 0.3 0.4 0.5 Miles

NAD83 HARN Washington State Plane South

Data in these maps were compiled for cartographic purposes. Due to the variability of the source information, the Washington State Parks and Recreation Commission cannot accept responsibility for errors or omissions, and, therefore, there are no warranties which accompany this material.



- Culvert
- Tunnel
- Section Township Range (source: WADNR)

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 Tunnel
 Section Township Range (source: WADNR)

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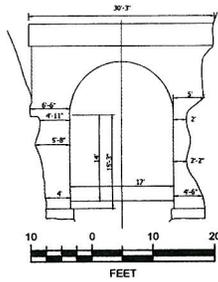
0 0.0175 0.035 0.07 0.105 0.14 0.175 Miles



NAD83 HARN Washington State Plane South

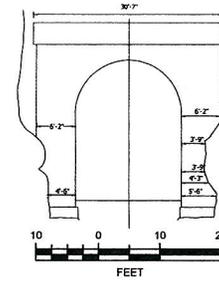


Data in these maps were compiled for cartographic purposes. Due to the variability of the source information, the Washington State Parks and Recreation Commission cannot accept responsibility for errors or omissions, and, therefore, there are no warranties which accompany this material.



NORTH PORTAL

TUNNEL 48



SOUTH PORTAL



PHOTO 1: WEST PORTAL SHOWING APPROACH ROCK SLOPES



PHOTO 2: WEST PORTAL PARAPET

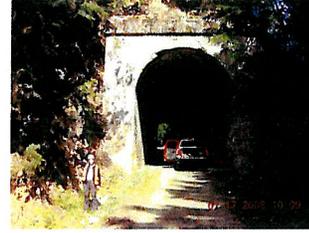


PHOTO 1: EAST PORTAL



PHOTO 2: EAST PORTAL PARAPET

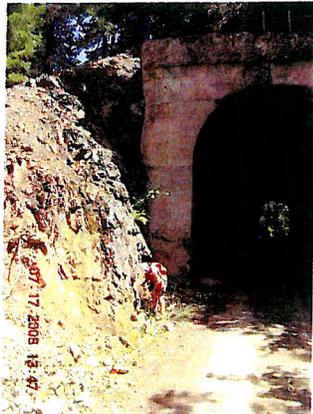


PHOTO 3: NORTHWEST ROCK SLOPE



PHOTO 4: NORTHEAST ROCK SLOPE



PHOTO 3: ROCK SLOPE ABOVE EAST PORTAL



PHOTO 4: ROCK SLOPE ABOVE EAST PORTAL

CAD NO. TUNNEL 48 PORTAL EXISTING CONDITIONS

NO.	DATE	INT.	APP.	REVISIONS

ACTION	BY	DATE
DESIGNED	WCG	-
DRAWN	DJL	-
CHECKED (FIELD)	CAR	-
CHECKED (HDQTS.)	GM	-

60% SUBMIT
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CONSTRUCTION

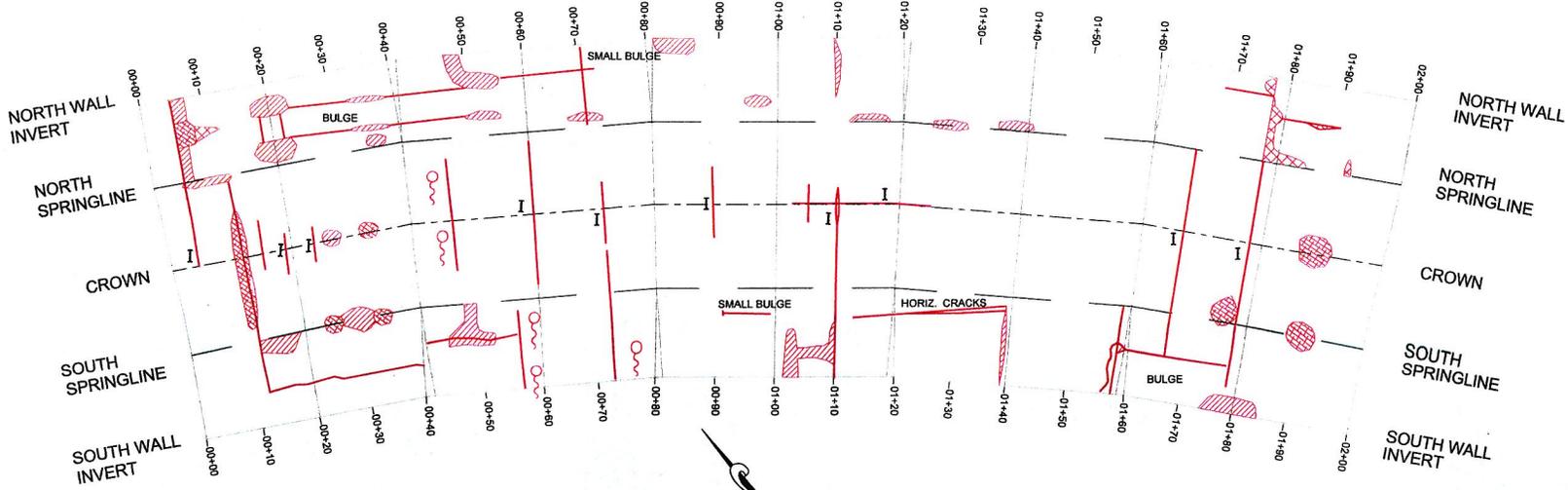
PROJECT ENGINEER
WASHINGTON STATE PARKS AND RECREATION COMMISSION

JOHN WAYNE PIONEER TRAIL
TUNNEL 48
LINER REPAIR

TUNNEL 48
PORTAL
EXISTING CONDITIONS

SHEET 1 OF 6

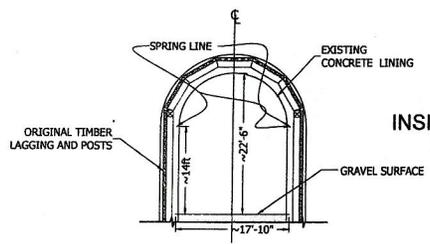
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TUNNEL 48
 STA 0+00 TO STA 2+00

INSIDE OF TUNNEL LINER SHOWING EXISTING LINING DAMAGE (UNWRAPPED LINER SURFACE)



CLASSIFICATION OF DAMAGE

	CLASS 1	COMPLETE BLOWOUT THROUGH CONCRETE LINING
	CLASS 2	LARGE SPALLING WITH EXPOSED REBAR
	CLASS 3	DELAMINATION, HEAVY CRACKING AND MINOR SPALLING WITHOUT EXPOSED REBAR
	CLASS 4	JOINT SEEPAGE AND ICICLES (I)
	SEEP	

NO.	REV.	DATE

ACTION	BY	DATE
DESIGNED	WCG	-
DRAWN	DJL	-
CHECKED (FIELD)	CAR	-
CHECKED (HDQTS.)	GM	-

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WASHINGTON
 STATE
 PARKS
 AND
 RECREATION
 COMMISSION



JOHN WAYNE
 PIONEER TRAIL

TUNNEL 48
 LINER REPAIR

TUNNEL 48
 INTERIOR EXISTING
 CONDITIONS

NO.	REVISIONS	INT.	APP.	DATE

ACTION	BY	DATE
DESIGNED	WCG	
DRAWN	D.J.L.	
CHECKED (FIELD)	CAR	
CHECKED (HDQTS.)	GM	

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AND
RECREATION
COMMISSION



JOHN WAYNE
PIONEER TRAIL

TUNNEL 48
LINER REPAIR

TUNNEL 48
PORTAL AND ROCK SLOPE
PROPOSED ROCK FALL
MITIGATION

SHEET 3 OF 6

TUNNEL 48

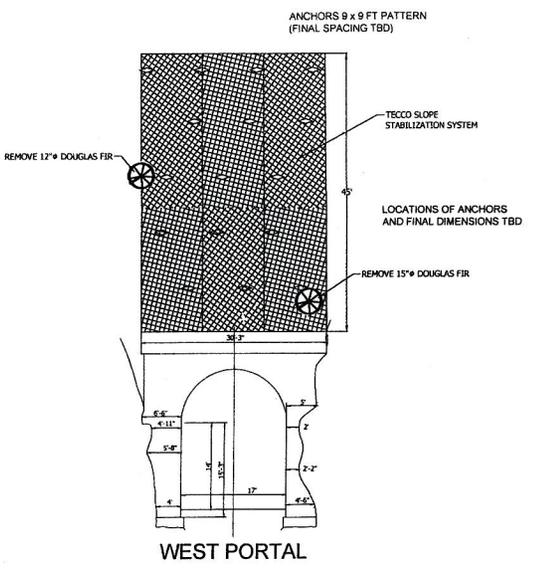
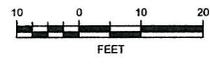


PHOTO 1: WEST PORTAL



PHOTO 2: WEST PORTAL PARAPET



PHOTO 3: NORTHEAST ROCK SLOPE

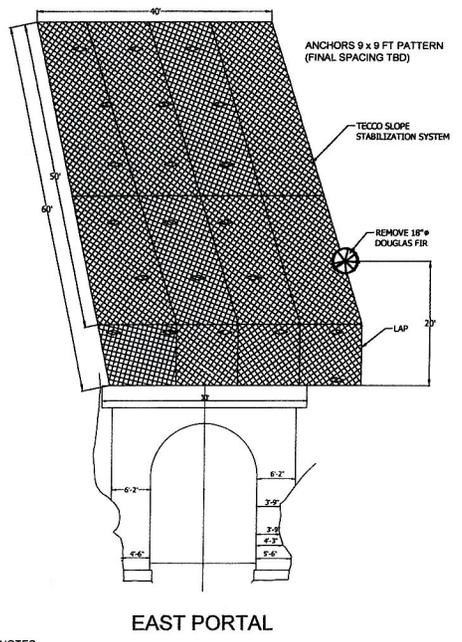


PHOTO 1: EAST PORTAL



PHOTO 2: EAST PORTAL PARAPET



PHOTO 3: ROCK SLOPE ABOVE EAST PORTAL

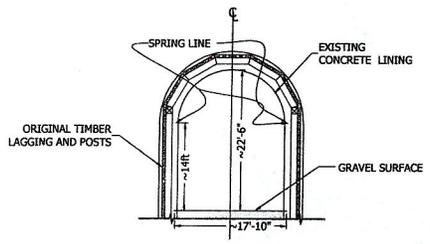
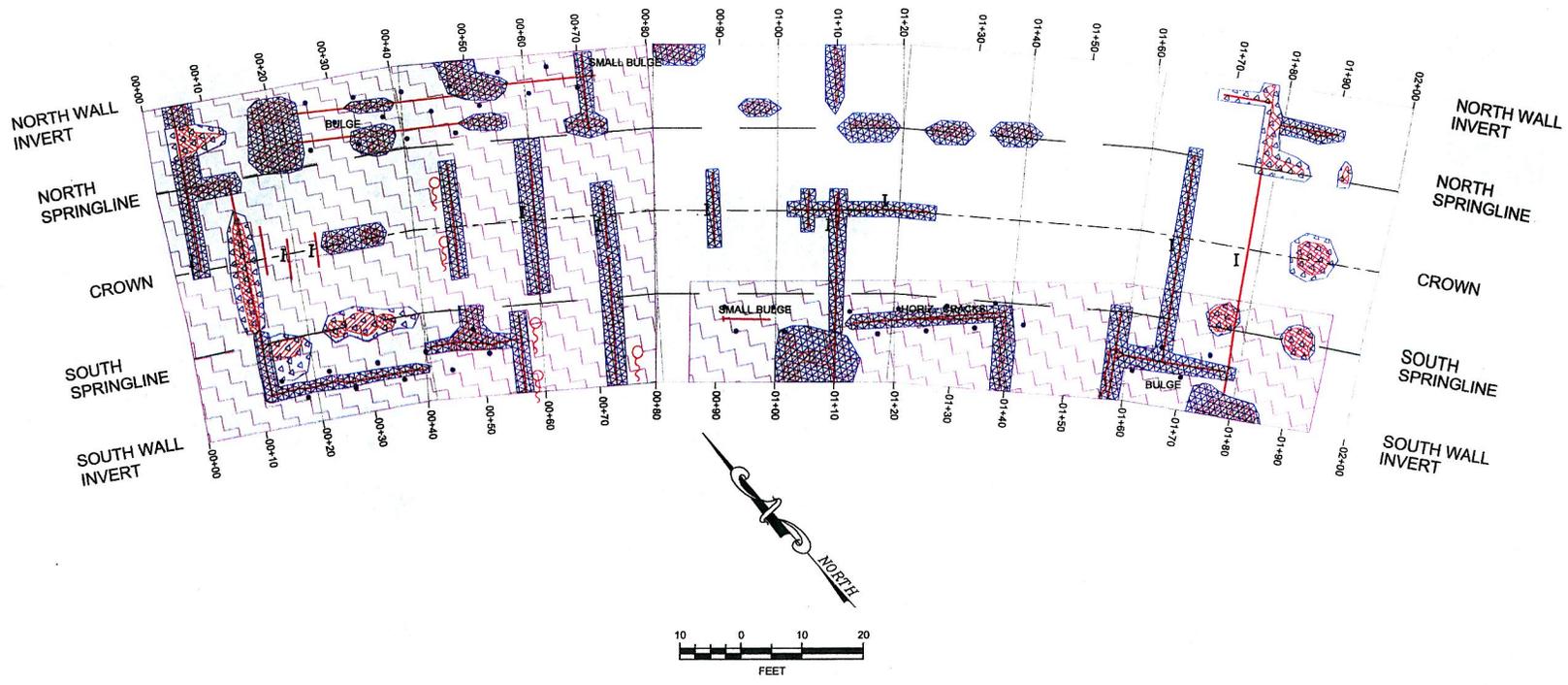


PHOTO 4: ROCK SLOPE ABOVE EAST PORTAL

NOTES

- SCALE LOOSE ROCK AND SOIL FROM TOP DOWN ON APPROACH ROCK SLOPES STARTING 100 FEET FROM EACH PORTAL OR AS DIRECTED BY THE ENGINEER
 - SCALE LOOSE ROCK AND SOIL FROM TOP DOWN APPROXIMATELY 45 FEET BEHIND WEST PORTAL AND 60 FEET BEHIND EAST PORTAL STRUCTURE OR AS DIRECTED BY THE ENGINEER
 - CUT VEGETATION AND TREES DOWN TO GROUND LEVEL APPROXIMATELY 45 FEET BEHIND WEST PORTAL AND 60 FEET BEHIND EAST PORTAL OR AS DIRECTED BY THE ENGINEER. CUT TREES < 5" DIAMETER. LEAVE TREES > 5" DIAMETER UNLESS DIRECTED TO REMOVE BY ENGINEER
 - LEAVE ROOT BALLS UNLESS DIRECTED BY ENGINEER TO REMOVE ROOT BALL
 - LEAVE TREES > 5 INCHES IN DIAMETER UNLESS DIRECTED BY ENGINEER
- LARGE TREE REMOVAL
WEST PORTAL 15' @ SOUTH SIDE PARAPET, 12' @ NORTH SIDE PARAPET
EAST PORTAL 18' @ NORTH SIDE 20' BACK FROM PARAPET
- REMOVE ROCK FENCE ABOVE WEST PORTAL
 - INSTALL TECCO SLOPE STABILIZATION SYSTEM OR EQUAL AS DISPLAYED ON DETAILS, SHEETS 16 & 17.
 - CLEAN OUT ROCK AND DEBRIS FROM CATCHMENT AREAS AT BASE OF SLOPE

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TUNNEL 48
STA 0+00 TO STA 2+00

- CATEGORY OF REPAIR LEGEND**
- CATEGORY 1 - FULL SHOTCRETE OVERLAY - SEE DETAILS SHEET 17
 - CATEGORY 2 - MAJOR SCALING AND SHOTCRETE LINER REPAIR - SEE DETAILS SHEET 17
 - CATEGORY 3 - SURFICIAL SCALING AND SEALING - SEE DETAILS SHEET 17
 - CATEGORY 4 - ROCK BOLTS - SEE DETAILS SHEET 15

NO.	DATE	INT. APP.	REVISIONS

ACTION	BY	DATE
DESIGNED	WCG	-
DRAWN	DJL	-
CHECKED (FIELD)	CAR	-
CHECKED (HDQTS.)	GM	-

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CONSTRUCTION**

PROJECT ENGINEER

WASHINGTON
STATE
PARKS
AND
RECREATION
COMMISSION



JOHN WAYNE
PIONEER TRAIL
TUNNEL 48
LINER REPAIR

TUNNEL 48
INTERIOR PROPOSED
REPAIR

SHEET 4 OF 6

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ACTION	BY	DATE
DESIGNED	WCG	-
DRAWN	DJL	-
CHECKED (FIELD)	CAR	-
CHECKED (HQ/TS)	GM	-

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PROJECT ENGINEER

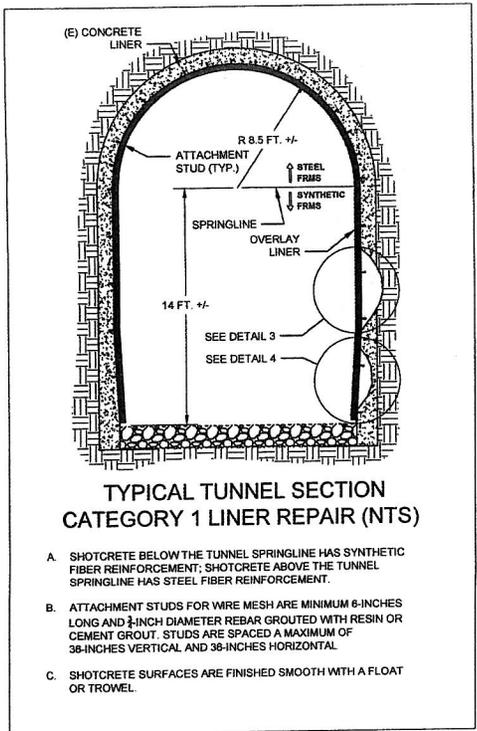
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PARKS
AND
RECREATION
COMMISSION



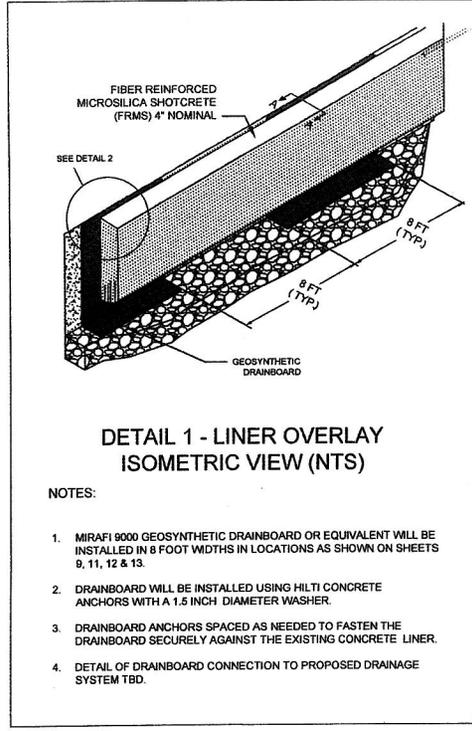
JOHN WAYNE
PIONEER TRAIL

TUNNEL 48
LINER REPAIR

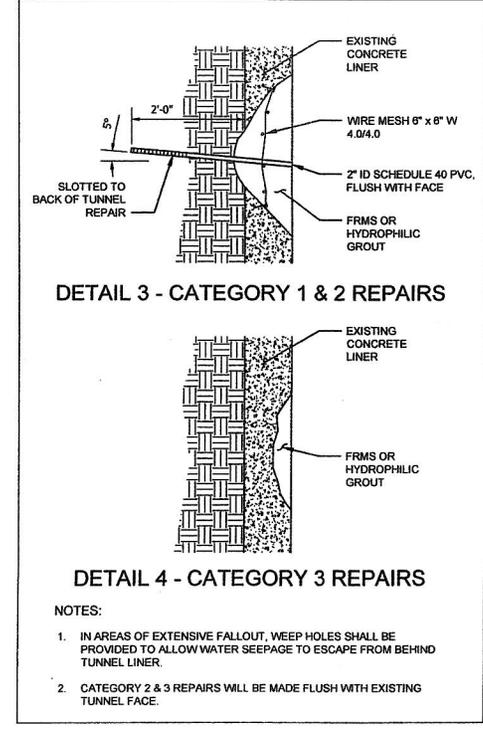
CATEGORY 1, 2 &
LINER REPAIR



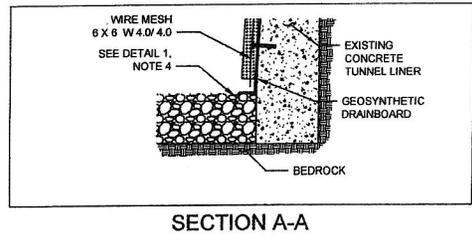
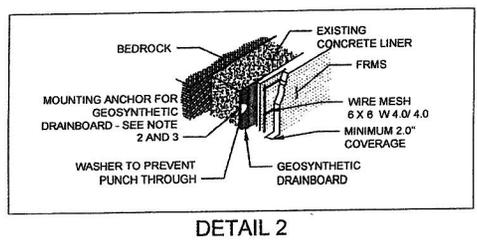
- A. SHOTCRETE BELOW THE TUNNEL SPRINGLINE HAS SYNTHETIC FIBER REINFORCEMENT; SHOTCRETE ABOVE THE TUNNEL SPRINGLINE HAS STEEL FIBER REINFORCEMENT.
- B. ATTACHMENT STUDS FOR WIRE MESH ARE MINIMUM 6-INCHES LONG AND 1/2-INCH DIAMETER REBAR GROUTED WITH RESIN OR CEMENT GROUT. STUDS ARE SPACED A MAXIMUM OF 36-INCHES VERTICAL AND 36-INCHES HORIZONTAL.
- C. SHOTCRETE SURFACES ARE FINISHED SMOOTH WITH A FLOAT OR TROWEL.



- NOTES:
- MIRAFI 9000 GEOSYNTHETIC DRAINBOARD OR EQUIVALENT WILL BE INSTALLED IN 8 FOOT WIDTHS IN LOCATIONS AS SHOWN ON SHEETS 9, 11, 12 & 13.
 - DRAINBOARD WILL BE INSTALLED USING HILTI CONCRETE ANCHORS WITH A 1.5 INCH DIAMETER WASHER.
 - DRAINBOARD ANCHORS SPACED AS NEEDED TO FASTEN THE DRAINBOARD SECURELY AGAINST THE EXISTING CONCRETE LINER.
 - DETAIL OF DRAINBOARD CONNECTION TO PROPOSED DRAINAGE SYSTEM TBD.

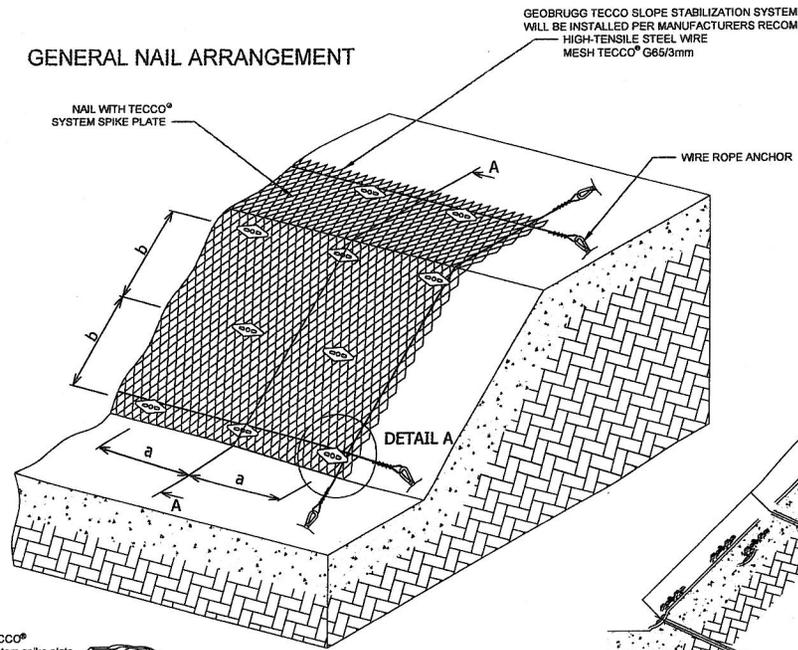


- NOTES:
- IN AREAS OF EXTENSIVE FALLOUT, WEEP HOLES SHALL BE PROVIDED TO ALLOW WATER SEEPAGE TO ESCAPE FROM BEHIND TUNNEL LINER.
 - CATEGORY 2 & 3 REPAIRS WILL BE MADE FLUSH WITH EXISTING TUNNEL FACE.



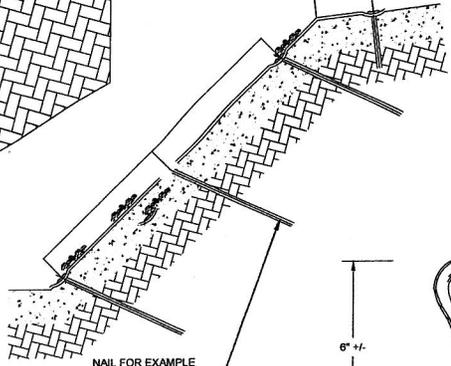
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GENERAL NAIL ARRANGEMENT

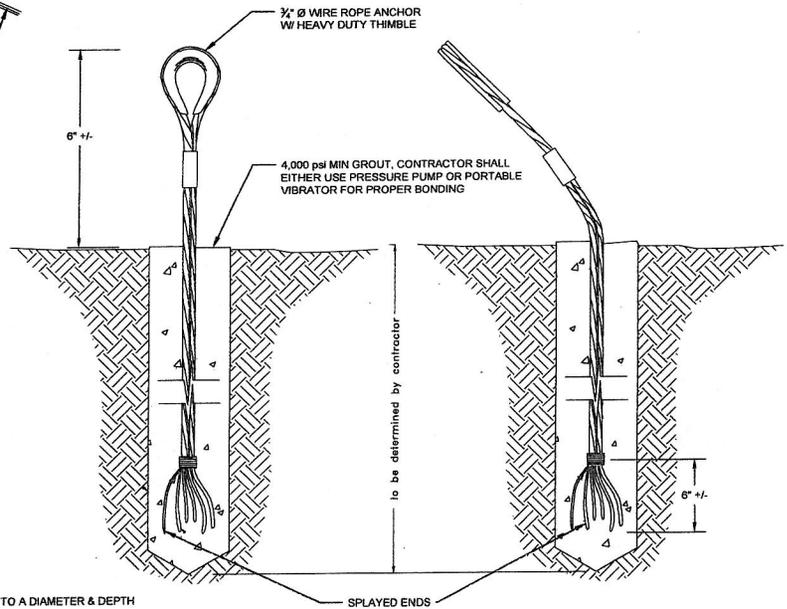


Generally going with the mesh 1-2m over top slope edge

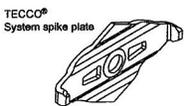
CROSS SECTION A-A



HOLES FOR TREES DETAIL



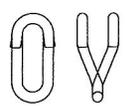
WIRE ROPE ANCHOR DETAIL



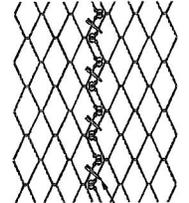
Connection clip T3



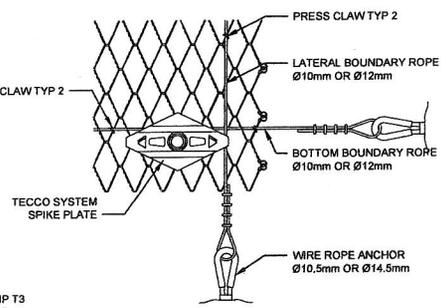
Press claw Typ 2



TECCO MESH CONNECTION VERTICAL NORMALLY WITHOUT OVERLAP



PRESS CLAW TYP 2



DETAIL A

NOTES

1. DRILL ANCHOR HOLES TO A DIAMETER & DEPTH DETERMINED BY THE CONTRACTOR TO ACHIEVE REQUIRED PULLOUT STRENGTH.
2. WIRE ROPE ANCHORS ENDS TO BE "SPLAYED" BEFORE SETTING IN GROUT.

ACTION	BY	DATE
DESIGNED	WCG	-
DRAWN	DJL	-
CHECKED (FIELD)	CAR	-
CHECKED (HQDQTS.)	GM	-

60% SUBMITTAL NOT FOR CONSTRUCTION

PROJECT ENGINEER

WASHINGTON STATE PARKS AND RECREATION COMMISSION



JOHN WAYNE PIONEER TRAIL

TUNNEL 48 LINER REPAIR

SLOPE STABILIZATION SYSTEM DETAILS

SHEET 5 OF 6



**HAZARDOUS
CONDITIONS
TUNNEL CLOSED
NO TRESPASSING**





MC
RI
WIE



STATE OF WASHINGTON
WASHINGTON STATE PARKS AND RECREATION COMMISSION
PARKS DEVELOPMENT SERVICE CENTER
270 9th Street N. E., Suite 200, East Wenatchee, Washington 98802 * (509) 665-4343 * Fax (509) 886-6232
Internet Address: <http://www.parks.wa.gov>
TDD (Telecommunications Device for the Deaf): (360) 664-3133

June 19, 2012

TO: State Parks' SEPA Center Files

FROM: Mark C. Schulz, Regional Environmental Specialist, Eastern Region

SUBJECT: **Iron Horse State Park - John Wayne Pioneer Trail -
SEPA Exemption – Tunnel 48 Repair Project**



The staff of the Washington State Parks and Recreation Commission proposes to undertake a project action to repair a tunnel structure (Tunnel 48) on the John Wayne Pioneer Trail, part of Iron Horse State Park. The tunnel is located in Kittitas County.

Proposed repairs include installing a shotcrete overlay of concrete liner, rock scaling, sealing, and installation of rock bolts and netting. Existing catchment basins will be cleaned-out of accumulated debris and rock fall. Excavation will not exceed 100 cubic yards of material.

This project is needed for the long-term maintenance of the tunnel structure and to re-open a closed section of the John Wayne Pioneer Trail for safe recreational use. The tunnel lining is currently experiencing a variety of failures; including bulges, blowouts, groundwater infiltration, and delamination. Additionally, there are various degrees of slope instability in the vicinity of the portals.

Proposed actions will not involve any material expansions or changes in use beyond that previously existing. There will be no work within "lands covered by water" (ref. WAC 197-11-756) including creeks, marshes, bogs, or swamps. All such areas will be avoided. No air emission or water discharge permit or license (e.g. NPDES permit) is required for this work. No rezone is required for this action. Proposed repairs will be consistent with the Secretary of the Interior's Standards for Rehabilitation (36 CFR Part 67), as required.

I have determined this project to be categorically exempt from the procedural requirements of the State Environmental Policy Act (SEPA) under WAC 197-11-800 (3) "Repair, remodeling, and maintenance activities."

This determination will be placed in the project files as proof of SEPA compliance.

RESPONSIBLE OFFICIAL


Mark C. Schulz