



**PUBLIC UTILITY DISTRICT NO. 1 *of* CHELAN COUNTY**

P.O. Box 1231, Wenatchee, WA 98807-1231 • 327 N. Wenatchee Ave., Wenatchee, WA 98801  
(509) 663-8121 • Toll free 1-888-663-8121 • [www.chelanpud.org](http://www.chelanpud.org)

June 2, 2008

Mr. Patrick Regan, P.E., Regional Engineer  
Portland Regional Office  
Federal Energy Regulatory Commission  
805 SW Broadway, Suite 550  
Portland, OR 97205

Re: Lake Chelan Hydroelectric Project No. 637-040  
Request for Approval of Reach 1 Access Trail Contract Plans and Specifications and  
Revised Schedule for the Riverwalk Loop Trail Extension Construction and for the Three-  
Year Whitewater Boating Monitoring Study

Dear Mr. Regan:

The Public Utility District No. 1 of Chelan County, Washington (Chelan PUD) hereby files for the Federal Energy Regulatory Commission's (Commission) approval of the contract plans and specifications for construction of the Reach 1 Access Trail as required in the License<sup>1</sup> for the Lake Chelan Hydroelectric Project No. 637 (Project). Concurrently, Chelan PUD is requesting approval of the revised schedules related to the construction of the Riverwalk Loop Trail Extension and the three-year whitewater boating monitoring study for the reasons mentioned below.

Article 407, Settlement Agreement Article 11(j) of Appendix A  
Reach 1 Access Trail Contract Plans and Specifications

In accordance with the Commission "Order Approving Recreation Resources Management Plan under Article 407"<sup>2</sup> issued April 14, 2008, also referred to as the Recreation Resources Management and Implementation Plan (RRMIP), Chelan PUD is preparing the construction of the Reach 1 Access Trail. As described in Section 4.4 of the RRMIP, the Reach 1 Access Trail comprises of a non-motorized, non-paved, multi-use trail below the Lake Chelan Dam in Reach 1 of the Chelan River. The trail provides managed access to the Chelan River and connects to the Riverwalk Loop Trail. Planning and development was conducted by Chelan

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<sup>1</sup> 117 FERC ¶62,129

<sup>2</sup> 123 FERC ¶62,047

PUD, in consultation with adjacent landowners, Chelan County, the City of Chelan, the Lake Chelan Trails Committee, and other interested parties.

Chelan PUD is submitting, with this letter, an original and two copies each of the items listed below. Additionally, in accordance with license Articles 303 and 305, two copies will be filed with the Commission's Washington D.C. office by copy of this letter. One of those copies will be a courtesy copy to the Director, Division of Dam Safety and Inspections.

- Design drawings and specifications to be used for the proposed construction.
- Temporary Erosion and Sediment Control Plan (TESCP).
- Quality Control Inspection Plan (QCIP)
- Temporary Construction Emergency Action Plan (TCEAP) (**CEII-Designated Material**)

We would appreciate any comments you may have as soon as practicable, as it would be helpful in our efforts to maintain the overall project schedule, which is to begin construction by September 15, 2008.

**The Temporary Construction Emergency Action Plan meets the Critical Energy Infrastructure Information requirements under 18 CFR 388.113c. Chelan PUD requests the Commission to not release this information to the public.** The cover letter and the remaining enclosures are considered public.

Article 407, Appendix A, Settlement Agreement Article 11(k) of Appendix A  
Riverwalk Loop Trail Extension Revised Schedule

Upon the Commission's approval of the RRMIP, Chelan PUD is to begin design and construction of the trail extension within one year as described in Section 4.5 of the RRMIP. The proposed revised schedule will not begin construction until mid-2009. This will allow a concerted effort to coordinate use of soil removed from the low level outlet construction project<sup>3</sup> and relocate the soil to develop the area for the Riverwalk Loop Trail Extension. This partnership between these two projects will allow for more efficiency and will provide a benefit to both.

Article 407, Appendix A, Settlement Agreement Article 11(h) of Appendix A  
Three-Year Whitewater Boating Monitoring Study Revised Schedule

Chelan PUD filed a plan for the whitewater boating monitoring study on November 6, 2007, as Appendix B of the RRMIP. In the Annual Schedule, Addendum E of the plan, it indicated that whitewater boating in 2008 was tentative, based on habitat restoration work<sup>3</sup> being done in the lower reaches of the Chelan River. Because of this habitat restoration work, it has been determined that spills for whitewater boating on the scheduled two weekends in July and two weekends in September will not occur until 2009. Plans for the first year of the whitewater boating study will continue to be coordinated and discussed with the Lake Chelan Recreation Forum.

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<sup>3</sup> Refer to the Commission's Order Granting Extension of Time Under Article 408 and Washington Department of Ecology 401 Water Quality Certification Condition III.A.(ii) issued March 20, 2008.

Consultation

On May 9, 2008, Chelan PUD conducted a meeting inviting the Lake Chelan Recreation Forum to discuss the Commission's order approving the RRMIP and proposed revised schedules for the Riverwalk Loop Trail Extension and the three-year whitewater boating monitoring study. The minutes for this meeting were provided to the forum for comment of which none were received (see Enclosure II).

Accordingly, Chelan PUD respectfully requests your approval on the contract plans and specification for the Reach 1 Access trail and on the proposed revised schedules for the Riverwalk Loop Trail Extension construction project and the three-year whitewater boating monitoring study.

Please contact Kris Pomianek of my office at (509)661-4186 or me if you have any questions or require additional information.

Sincerely,



Michelle Smith  
Licensing & Compliance Manager  
(509) 661-4180  
michelle.smith@chelanpud.org

Enclosure I: Original and two copies of contract plans and specifications  
Enclosure II: Lake Chelan Recreation Forum Meeting Minutes dated May 9, 2008

cc: Honorable Kimberly D. Bose, Commission (two copies of construction drawings, with one copy as a courtesy copy to the Director of Division of Dam Safety & Inspections)

Jon Miyashiro, Adan Archuleta, Erich Gaedeke, Commission Portland Regional Office  
(copies of letter and Enclosure II only)

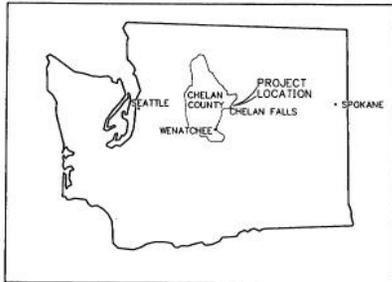
**ENCLOSURE I:**  
**CONTRACT PLANS AND SPECIFICATIONS**

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# REACH 1 ACCESS TRAIL

**BID NO. 06-55**  
**(UTILITY EXCAVATION SERVICES – RAYFIELD BROTHERS, INC.)**  
**PUBLIC UTILITY DISTRICT NO. 1 OF CHELAN COUNTY**  
**WENATCHEE, WASHINGTON**

**LOCATION MAP**



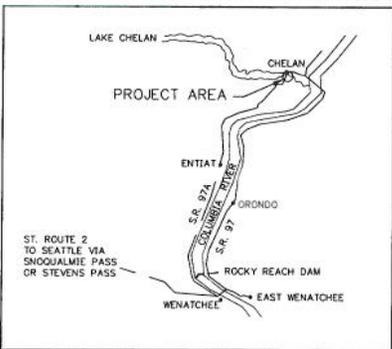
**PROJECT MAP**



**BID DRAWING INDEX**

DRAWING NO.	DESCRIPTION
0901-50CA-0009	MAPS & SHEET INDEX
0901-50CI-0009	TRAIL PLAN & SECTION
0901-50CI-0010	PARKING LOT
0901-50CI-0011	STA. 42+00 TO 49+00 PLAN & PROFILE
0901-50CI-0012	EROSION & SEDIMENT CONTROL PLAN (ESCP)
0901-50CI-0013	RAIL FENCE & LOOKOUT DETAILS

**VICINITY MAP OF CHELAN**



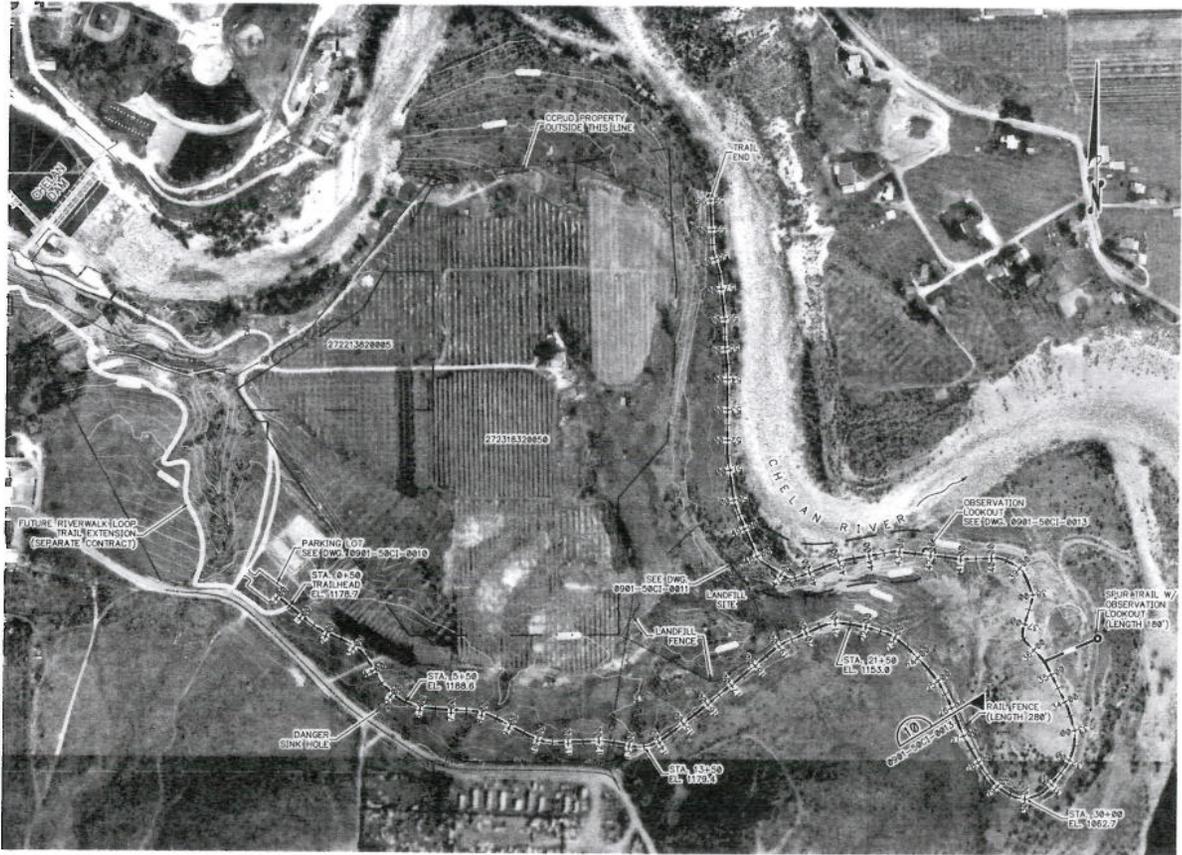
**CONTACT PERSONNEL**

COURT HILL	CHELAN COUNTY PUD NO.1 – ENGINEER	861-4143
BOB SEABECK	CHELAN COUNTY PUD NO.1 – CONSTRUCTION MGR.	561-4487
DAVID RAYFIELD	RAYFIELD BROTHERS EXCAVATING – CONTRACTOR	433-1692

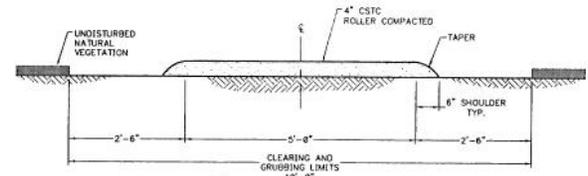


<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">CHELAN PUD NO.1</th> </tr> </thead> <tbody> <tr> <td>PRIM. ENG. COURT HILL</td> <td>SCALE SEE DWG</td> </tr> <tr> <td>2ND ENG.</td> <td>0 5/28/2008</td> </tr> <tr> <td>PROJ. MGR. BOB SEABECK</td> <td>REV DATE</td> </tr> </tbody> </table>	CHELAN PUD NO.1		PRIM. ENG. COURT HILL	SCALE SEE DWG	2ND ENG.	0 5/28/2008	PROJ. MGR. BOB SEABECK	REV DATE	<p style="text-align: center;"><b>VERIFY SCALE</b></p> <p style="text-align: center;">BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1"</p> <p style="text-align: center;">IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.</p>	<p><b>PUBLIC UTILITY DISTRICT NO. 1</b> <b>OF CHELAN COUNTY</b></p> <p style="font-size: small;">WENATCHEE, WASHINGTON</p>	<p style="font-size: x-small;">Chelan Riverwalk Plan</p> <p><b>REACH 1 ACCESS TRAIL</b> <b>MAPS &amp; SHEET INDEX</b></p> <p><b>BID 06-55</b></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>SHEET 1 OF 6</td> </tr> <tr> <td>REVISION 0</td> </tr> <tr> <td>DATE 5/28/2008</td> </tr> <tr> <td>DWG 0901-50CA-0009</td> </tr> </tbody> </table>	SHEET 1 OF 6	REVISION 0	DATE 5/28/2008	DWG 0901-50CA-0009
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ORIG. DATE: 5/28/2008 ORIG. DRAWN: MPS



1 TRAIL LAYOUT PLAN  
1"=200'



2 FINISHED TRAIL SECTION (TYP)  
3/4"=1'-0"

NOTE: APPLY SOIL STERILANT THE FULL 10'-0" WIDTH OF TRAIL SECTION.



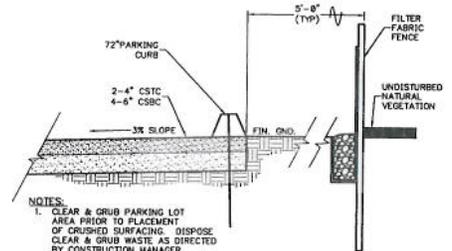
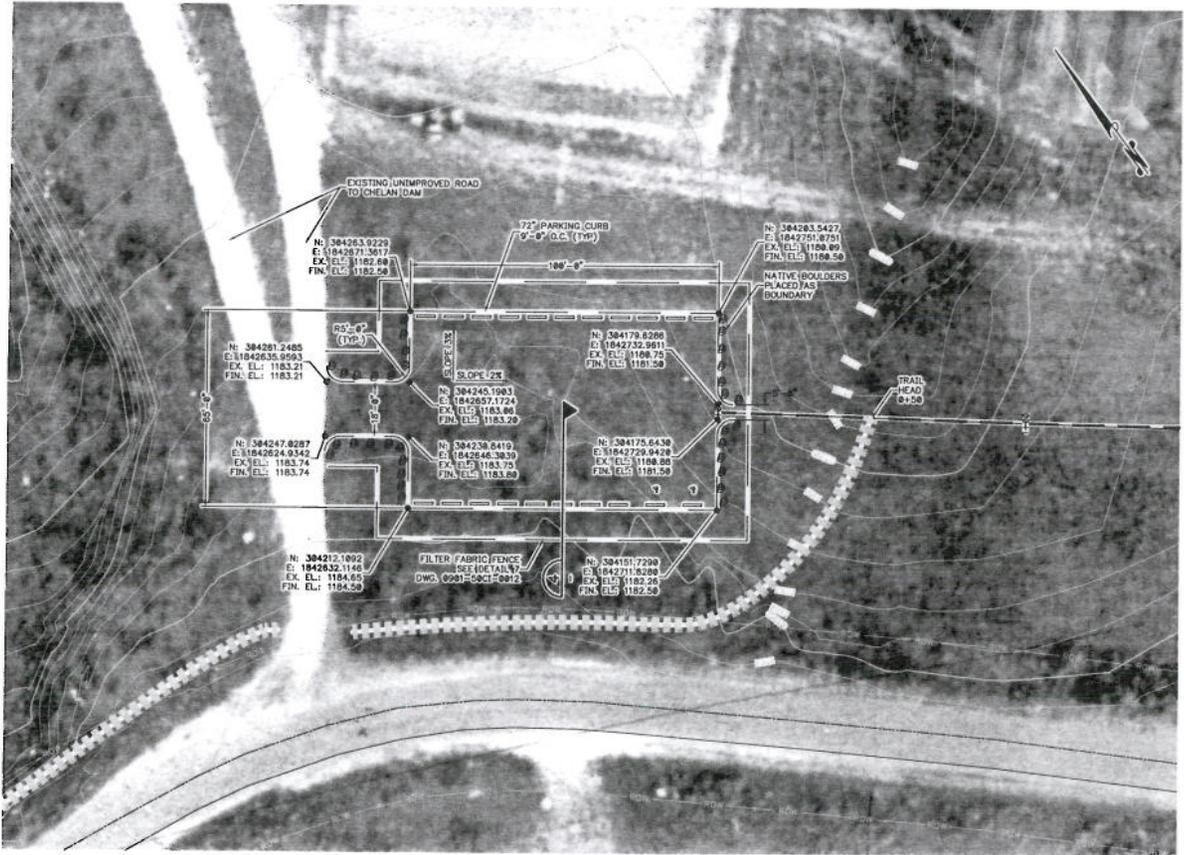
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PROJ. MGR. BOB SEABECK							

**PUBLIC UTILITY DISTRICT NO. 1**  
**OF CHELAN COUNTY**  
WENATCHEE, WASHINGTON

Chelan Riverwalk Park  
REACH 1 ACCESS TRAIL  
TRAIL PLAN & SECTION  
BID 06-55

SHEET 2 OF 6
REVISION 0
DATE 5/28/2008
DWG: 0901-50C1-0009

DATE: 3/28/2008 DWG. DRAWN: MPS



- NOTES:
1. CLEAR & GRUB PARKING LOT AREA PRIOR TO PLACEMENT OF CRUSHED SURFACING. DISPOSE CLEAR & GRUB WASTE AS DIRECTED BY CONSTRUCTION MANAGER.
  2. EMPLOY FILTER FABRIC FENCE AROUND PARKING LOT SITE. SEE 0901-58C1-8813.
  3. PARKING CURB: H2 PRE-CAST RPC-6 ANCHOR W/ #5 REBAR, 2'-6" LONG W/ 2'-6" EMBEDMENT.

4 FINISHED PARKING LOT SECTION (TYP)  
3/4"=1'-0"

3 PARKING LOT PLAN  
0901-58C1-0009 1"=20'



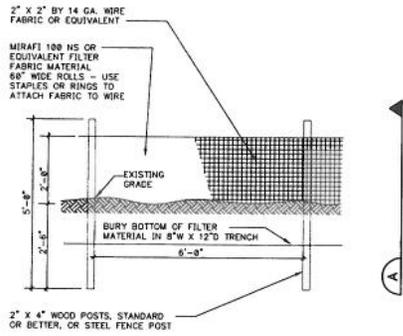
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			REVISION	REC. BY DRFT

**PUBLIC UTILITY DISTRICT NO. 1**  
**OF CHELAN COUNTY**  
WENATCHEE, WASHINGTON

Chelan Riverbank Park  
REACH 1 ACCESS TRAIL  
PARKING LOT  
BID 06-55

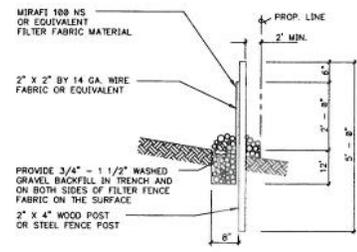
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REVISION 0
DATE 5/28/2008
DWG. 0901-58C1-0010

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**7 FILTER FABRIC FENCE ELEVATION**

0901-50C1-0010, -0011 NTS

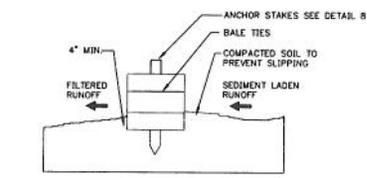
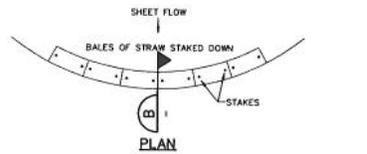


**A FILTER FABRIC FENCE SECTION**

NTS

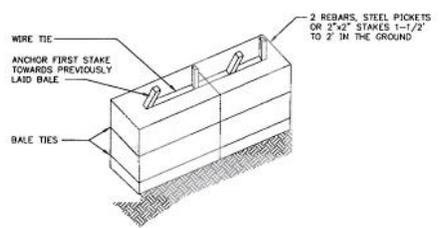
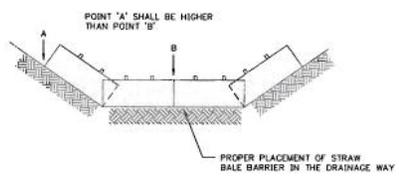
**EROSION/SEDIMENTATION CONTROL NOTES**

1. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION SHALL BE OBSERVED DURING CONSTRUCTION.
2. ALL REQUIRED SEDIMENTATION/EROSION CONTROL FACILITIES MUST BE IN OPERATION PRIOR TO LAND CLEARING AND/OR OTHER CONSTRUCTION. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT AND ADDITIONS TO EROSION/SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE EROSION AND SEDIMENTATION CONTROL SYSTEMS DEPICTED ON THIS DRAWING ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND AS UNEXPECTED OR SEASONAL CONDITIONS DICTATE, THE CONTRACTOR SHOULD ANTICIPATE THAT MORE EROSION AND SEDIMENTATION CONTROL FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE PROPOSED SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES AND THE WATER QUALITY OF THE RECEIVING DRAINAGE SYSTEM.
4. THE CONTRACTOR SHALL REMOVE MATERIAL DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO LOCAL ROADWAYS OR INTO THE EXISTING STORM DRAINAGE SYSTEM. DEBRIS SHALL NOT BE WASHED INTO THE STORM DRAINAGE SYSTEM.
5. TEMPORARY EROSION CONTROL FACILITIES SHALL BE INSPECTED WEEKLY AND MAINTAINED WITHIN 24 HOURS FOLLOWING A STORM EVENT. SEDIMENT SHALL BE REMOVED TO INSURE THE FACILITIES WILL FUNCTION PROPERLY. THE FACILITIES SHALL BE SATISFACTORYLY MAINTAINED UNTIL CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED.
6. NO DISTURBED SOIL SHALL REMAIN UNSTABILIZED FOR MORE THAN TWO DAYS.



**B CROSS SECTION**

NTS



**B STRAW & HAY BALE BARRIER ANCHOR**

NTS

**STRAW AND HAY BALE BARRIERS – USE WHERE DIRECTED BY CONSTRUCTION MANAGER**

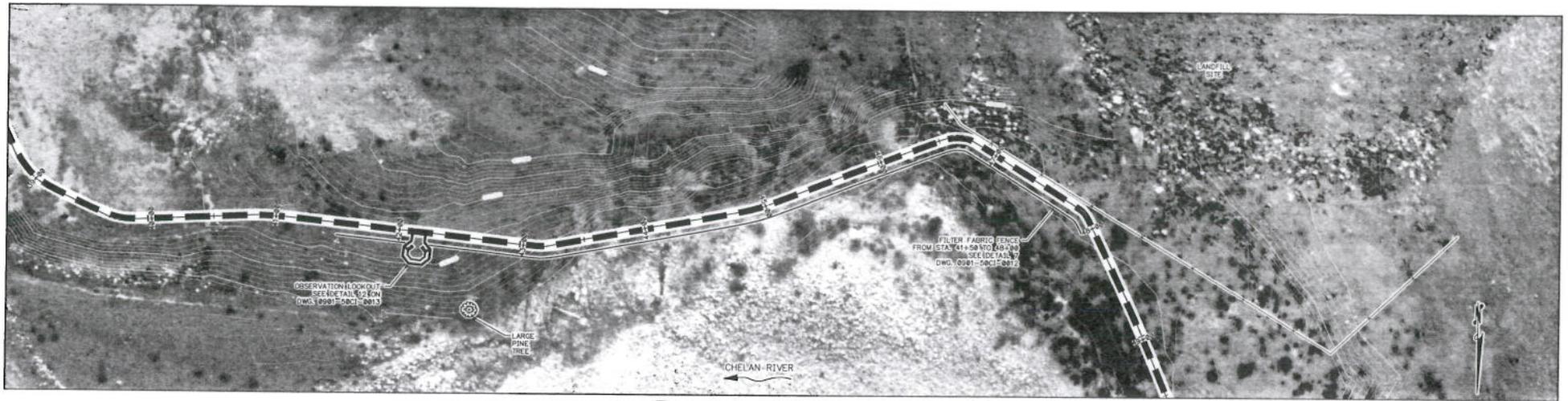
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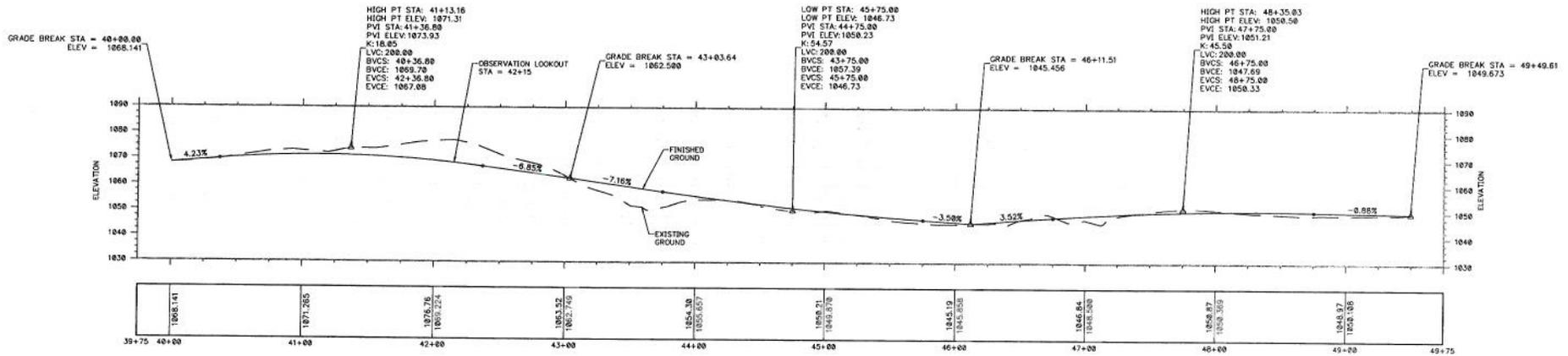
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**5 PLAN**  
0901-50CI-0009 1"=40'



**6 PROFILE**  
0901-50CI-0009 V 1"=20' H 1"=40'



<b>CHELAN PUD 00.1</b>		SCALE	SEE DWG	BAR IS ONE INCH ON ORIGINAL DRAWING	<b>VERIFY SCALE</b>	IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY
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**PUBLIC UTILITY DISTRICT NO. 1 OF CHELAN COUNTY**  
WENATCHEE, WASHINGTON

Chelan Riverneck Park  
REACH 1 ACCESS TRAIL  
STA. 42+00 TO 49+00  
PLAN & PROFILE  
BID 06-55

SHEET 4 OF 6
REVISION 0
DATE 5/28/2008
DWG. 0901-50CI-0011

0901-50CI-0009 1"=40'



**REACH 1 ACCESS TRAIL  
PUBLIC UTILITY DISTRICT NO. 1 OF CHELAN COUNTY  
SOIL EROSION AND SEDIMENT CONTROL PLAN**

Public Utility District No. 1 of Chelan County (District) owns and operates the Lake Chelan Hydroelectric Project. Lake Chelan Dam is located at the lower end of Lake Chelan, in the city of Chelan, Washington. The Lake Chelan Project powerhouse is located in the town of Chelan Falls, near the confluence of the Chelan and Columbia Rivers approximately 2.5 miles east of the city of Chelan and 40 miles north of Wenatchee, Washington.

In accordance with the FERC License Order dated November 6, 2006, the District will design and construct a non-motorized, non-paved multi-use trail below the Lake Chelan Dam in Reach 1 of the Chelan River. The project, Reach 1 Access Trail (Trail), will provide managed access to the Chelan River and eventually connect to the Chelan Riverwalk Loop Trail.

The following constitutes the Soil Erosion and Sediment Control Plan (ESCP) as required in Article 303 of the FERC License Order.

**1.0 SCOPE OF WORK**

The Trail consists of a 5 foot wide pathway approximately 6,000 feet in length and a parking lot with dimensions of 100 feet by 65 feet (21 vehicle capacity) located near the trailhead. The surface of both the parking lot and trail will be a 5/8-inch-minus crushed rock. Construction of the Trail will involve clearing and grubbing of the areas approximately 2.5 to 5 feet beyond the specified lot and trail dimensions.

Both temporary and permanent erosion control devices will be employed during construction of the Trail. The locations and details for these devices are as shown in the construction drawings. A temporary erosion control device consisting of a silt fence will be installed on the perimeter of the cleared and grubbed limits of the parking lot as well as on the river side of the trail from stations 41+50 to 48+00. A permanent erosion control device consisting of a drainage collection ditch, lined with quarry spall will be constructed from stations 23+00 to 27+60. Straw bales will be placed as needed in areas determined by the engineer during construction.

**2.0 IMPLEMENTATION**

All erosion control work will be performed under the direction of a Contractor having experience in erosion control methods of construction. The Contractor will be required to inspect, maintain and keep devices in a good working condition. Periodic reviews will be conducted by the Owner's certified erosion and sediment control lead (CESCL).

Specific notes to the Contractor as shown in the construction drawings are as follows:

1. ALL LIMITS OF CLEARING AND AREAS OF VEGETATION PRESERVATION SHALL BE OBSERVED DURING CONSTRUCTION.
2. ALL REQUIRED SEDIMENTATION/EROSION CONTROL FACILITIES MUST BE IN OPERATION PRIOR TO LAND CLEARING AND/OR OTHER CONSTRUCTION. ALL EROSION AND SEDIMENT FACILITIES SHALL BE MAINTAINED IN A SATISFACTORY

CONDITION UNTIL SUCH TIME THAT CLEARING AND/OR CONSTRUCTION IS COMPLETED AND THE POTENTIAL FOR ON-SITE EROSION HAS PASSED. THE IMPLEMENTATION, MAINTENANCE, REPLACEMENT AND ADDITIONS TO EROSION/SEDIMENTATION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

3. THE EROSION AND SEDIMENTATION CONTROL SYSTEMS DEPICTED ON THIS DRAWING ARE INTENDED TO BE MINIMUM REQUIREMENTS TO MEET ANTICIPATED SITE CONDITIONS. AS CONSTRUCTION PROGRESSES AND AS UNEXPECTED OR SEASONAL CONDITIONS DICTATE, THE CONTRACTOR SHOULD ANTICIPATE THAT MORE EROSION AND SEDIMENTATION CONTROL FACILITIES WILL BE NECESSARY TO ENSURE COMPLETE SILTATION CONTROL ON THE SITE. DURING THE COURSE OF CONSTRUCTION, IT SHALL BE THE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS ANY NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES, OVER AND ABOVE THE MINIMUM REQUIREMENTS, AS MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES AND THE WATER QUALITY OF THE RECEIVING DRAINAGE SYSTEM.
4. THE CONTRACTOR SHALL REMOVE MATERIAL DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO LOCAL ROADWAYS OR INTO THE EXISTING STORM DRAINAGE SYSTEM. DEBRIS SHALL NOT BE WASHED INTO THE STORM DRAINAGE SYSTEM.
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6. NO DISTURBED SOIL SHALL REMAIN UNSTABILIZED FOR MORE THAN TWO DAYS.

### 3.0 CONCLUSION

Construction of the Reach 1 Access includes the employment of both temporary and permanent sedimentation and erosion control devices consistent with Article 303 of the FERC license order as detailed herein and in the construction drawings.

# **Quality Control and Inspection Plan**

## **Reach 1 Access Trail**

Lake Chelan Hydroelectric Project  
FERC Project No. 637

May 2008

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- A Organizational Chart
- B Quality Control and Inspection Plan  
Personnel Resumes
- C Construction Management Sample Forms

## 1. Introduction

Public Utility District No. 1 of Chelan County (District) owns and operates the Lake Chelan Hydroelectric Project. Lake Chelan Dam is located at the lower end of Lake Chelan, in the city of Chelan, Washington. The Chelan powerhouse is located in the town of Chelan Falls, near the confluence of the Chelan and Columbia Rivers approximately 2.5 miles east of the city of Chelan and 40 miles north of Wenatchee, Washington.

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The project has been designed using Chelan PUD engineering staff. The same staff will oversee construction of the trail. Construction activities will take place approximately ½ mile downstream and to the southeast of Chelan Dam. As a result there will be no impact or damage risk imposed on the Chelan project.

## 2. Organization and Staffing Responsibilities

### A. Titles, duties, and responsibilities of staff

An organizational chart for this project is presented in Appendix A. Responsibilities for maintaining quality assurance are as follows:

#### (1) Construction Manager

Robert "Bob" Seabeck  
Chelan County PUD  
327 North Wenatchee Avenue  
Wenatchee, WA 98801

Chelan County PUD  
P.O. Box 1231  
Wenatchee, Washington 98807  
Telephone: (509) 661-4487 office  
(509) 669-2311 mobile  
(509) 662-4746 home

- Review the Contractor's Quality Control documents and project reports.
- Provide Quality Assurance by personally observing or observing via an inspection team the construction on a full-time basis to ensure compliance with contract drawings and specifications.

- Maintain daily records of type, quantity, location, and quality of construction work.
- Conduct weekly construction progress meetings, prepare documentation of meeting discussions, and distribute copies of the discussions.
- Perform final inspection with Project Team and recommend acceptance of completed project.
- File daily progress reports, nonconformance reports, and environmental deficiency reports as appropriate (sample copies presented in Appendix C).

**(2) Design Engineer/ Owner’s Engineer, 1<sup>st</sup> Alternate**

Courtney Hill, PE  
 Chelan County PUD  
 327 North Wenatchee Avenue  
 Wenatchee, WA 98801

Chelan County PUD  
 P.O. Box 1231  
 Wenatchee, Washington 98807  
 Telephone: (509) 661-4143 office  
 (509) 668-4143 mobile  
 (509) 884-3439 home

- Review Contractor’s submittals.
- Provide ongoing technical assistance/clarification, as needed.
- Provide on-site inspection, as requested, at critical phases of construction.
- Provide clarification of drawings and specifications.
- Provide project record drawings at completion of the project.
- Periodically review Owner’s quality control documents and project reports.

**(3) Testing Service**

To be determined on an as-needed basis.

**(4) Construction Contractor**

- Construct project to meet project specifications.
- Perform testing and inspection as necessary to control the quality of the work.
- Submit documents, material certificates, shop drawings, product data, and testing results to Owner’s Engineer as specified in the *Technical Specifications*.
- Implement and monitor jobsite safety program and be responsible for jobsite safety.
- Implement and monitor construction techniques and procedures so that project quality control standards will be met as verified by the District and site Engineers.

**B. Approval and rejection of work**

The approval and rejection of work will be subject to the judgment of the Construction Manager.

### **C. Authority to stop work**

The Owner's Construction Manager will have the authority to stop work on the project.

### **D. Resumes**

Resumes of key quality control personnel are included in Appendix B.

## **3. Inspection Plan and Field Practices**

### **A. Inspection criteria**

Criteria for evaluating the quality of work under the contract are contained in the specifications, drawings, and other contract documents. The following items will be completed to make effective use of the contract documents.

- Prior to the start of work at the site, the Owner's Construction Manager and Inspectors shall take the time to become familiar with the contract documents.
- The Owner's Construction Manager and Inspectors shall review relevant portions of the documents daily as the work progresses.
- The Project Manager shall ensure that the Construction Manager/Inspector receives copies of any revisions to the contract documents in a timely manner and shall discuss the revisions to ensure a common understanding of them.

### **B. Inspection equipment and resources**

The independent testing service will supply qualified personnel and appropriate testing equipment to satisfy the requirements of the Quality Control Inspection Plan (QCIP).

### **C. Contractor operations**

The Contractor is responsible for choosing equipment and methods adequate to perform the work specified in the contract documents and for actually achieving the required results. For this reason, the Owner's Construction Manager will avoid direction or control of the Contractor's operations. The Owner's Construction Manager is responsible for verifying that the contract documents are being followed and the required results are being/have been achieved.

### **D. Coordination with Contractor's schedule**

The Contractor's proposed construction schedule will be submitted after the contract is awarded. The Contractor will be required to notify the Owner 24 hours in advance of starting, or restarting, on-site construction activities.

### **E. QCIP operations**

The Owner's Construction Manager and Inspectors are chiefly responsible for observing details of the Contractor's work as it progresses to verify that it meets requirements of the contract documents. This will require the Owner's Construction Manager and Inspectors to:

- Be familiar with the contract documents, including the technical specifications and drawings.
- Be present at key times to verify and approve items as they come up.

- Be present to observe and document progress of the work as outlined below.
- Understand the intent of the drawings and specifications as a basis for exercising judgment, as appropriate, during the work.

The Owner's Construction Manager and Inspectors shall notify the Contractor immediately upon discovery of any item of work, completed or in progress, which does not meet requirements of the contract documents.

If conditions are encountered that require redesign or substantial modification of the work, the Inspector shall contact the Construction Manager and Engineer for guidance. The contact shall be made in a timely manner to avoid or minimize delay of the work.

If the Owner's Construction Manager or Inspector observes work being performed by the Contractor in such a way that it could negatively impact human safety or cause significant damage to property, he shall immediately notify the Contractor. If the problem is not addressed by the Contractor in a timely manner, the Owner's Construction Manager or Inspector shall issue an order to the Contractor to stop work until the apparent problem is resolved.

The Owner's Construction Manager or designated Inspector also is present to serve as the interface between the Contractor and the Owner's other personnel on site. For this purpose, the Owner's Construction Manager or Inspector will be present at all times when the Contractor is working on the site.

## **F. Frequency of inspections**

During construction, the Independent Testing Service and Engineer will perform site visits as required to comply with the specifications. Full-time observation services will be provided by the Owner's Construction Manager during fieldwork. The Engineer will provide on-site inspection during critical phases of the construction, as requested by the Construction Manager.

## **4. Documentation**

The Owner's Construction Manager is responsible to maintain certain records as the construction progresses. The types of documentation are outlined below, and sample forms are attached, as appropriate.

### **A. Daily Progress Reports**

A Daily Progress Report (DPR) has been developed to document work progress, site conditions, and other relevant items. A report shall be filled out for each shift worked. A sample DPR form is presented in Appendix C.

### **B. Nonconformance Reports**

A Nonconformance Report (NCR) form has been developed to document work that does not meet the project plans and specifications. Nonconforming work is defined as a deficiency in characteristic, documentation, or procedure that renders the work unacceptable with respect to the quality requirements for the project. A sample NCR form is presented in Appendix C.

An NCR shall be issued to the Contractor when he/she presents any portion of their work as complete and a serious deficiency exists or a deficiency trend is occurring in subsequent similar work. NCRs are not to be used for documenting acknowledged incomplete "punch list" type work items or for problems relating to project design. If the Independent Testing Service determines that rework is necessary, it should be reworked and retested without an NCR being issued.

The Owner's Construction Manager is responsible for submitting NCRs. The NCRs shall be numbered sequentially. A copy of all NCRs shall be forwarded to the Contractor and the Owner. The NCRs shall be reviewed weekly by the Owner's Construction Manager to evaluate the Contractor's compliance with corrective action requirements and to identify the need for follow-up action.

In the event of the Contractor's failure to comply with the corrective action requirements of an NCR, either unsatisfactory work or failure to meet the time requirements, the following procedure will be implemented:

- The Owner's Construction Manager will prepare a formal contract correspondence letter with a copy of the original NCR attached advising the Contractor of his/her failure to meet the corrective action requirements.
- Distribution of all such follow-up NCR correspondence shall be the same as the original NCR and shall be filed in the appropriate NCR file.

### **C. Environmental Deficiency Reports**

An Environmental Deficiency Report (EDR) form has been developed to document any observed violations of environmental requirements of the contract documents and their resolution. A sample EDR form is presented in Appendix C.

### **D. Material Test Reports**

Materials sampling and test reports will describe the type and location of the material being tested, as

well as the date, time, and weather conditions when obtaining the sample or performing the test. A record of the tests performed, applicable standards, and test results shall be distributed to the Owner's Engineer and Contractor.

## **E. Maintenance of records**

All documents, correspondence, and data pertaining to the project must be clearly identified, organized, and filed with the Owner's Construction Manager. The Owner's Construction Manager will maintain one set of record drawings in the field for use in preparing final record drawings.

## **F. Photographs**

Photographs of significant construction activities will be taken throughout the construction period by the Owner's Construction Manager. All photographs will be dated with identification, as appropriate, of the object being photographed.

## **5. Training**

No formal training is proposed for this project.

## **6. Material Testing**

The number and type of tests to be performed during construction are presented in the specifications and drawings. Material testing will be performed in accordance with the Contract Documents, by an Independent Testing Service where appropriate.

## **7. Environmental Compliance**

### **A. Environmental Compliance Plan**

The proposed construction will involve removal of an existing chip seal road surface, excavation and fill placement. The Contractor will submit the following in order to ensure environmental compliance:

- Copies of hazardous waste disposals as required.
- Waste testing and disposal plan.
- A detailed temporary Erosion and Sediment Control Plan for the project.

### **B. Frequency of inspections**

Inspections for compliance with the design will take place on a daily basis.

### **C. Documentation and corrective actions**

Documentation of any observed violations of environmental requirements of the Contract Documents will be included in an EDR along with their resolution.

## **8. Schedule**

### **A. Start and finish dates**

Construction is scheduled to begin August 18, 2008 and complete by November 14, 2008.

### **B. Anticipated construction sequence**

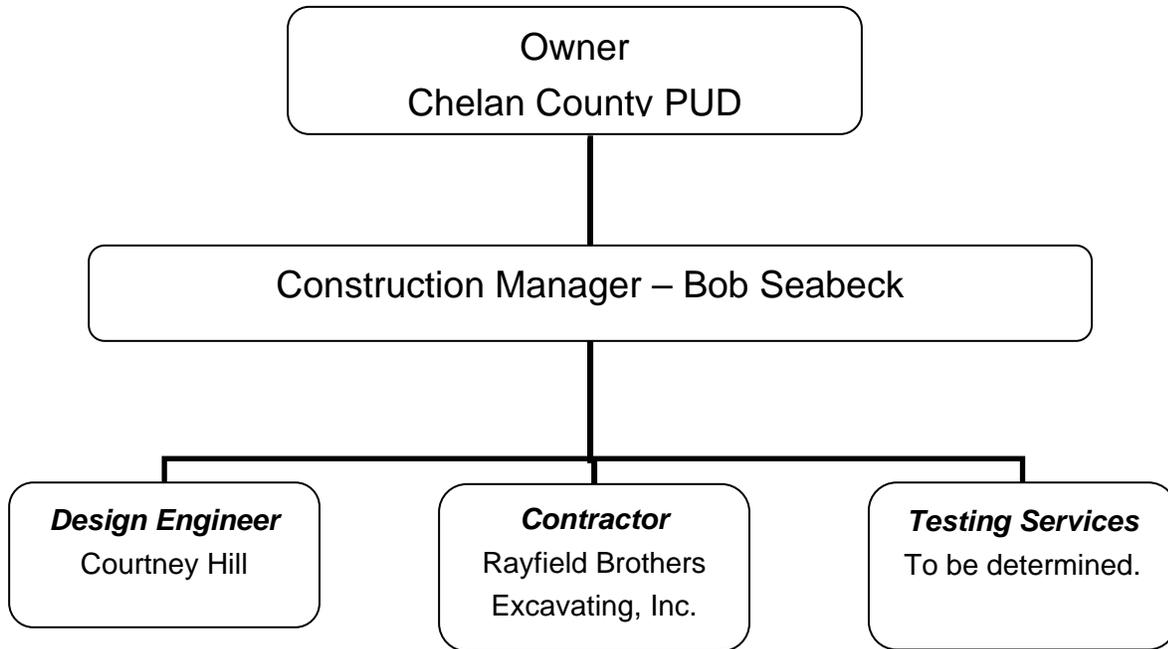
The construction sequence is anticipated to be from the parking lot (beginning station) to the end station (at Chelan River). The Contractor will prepare and submit a more detailed schedule once a Notice to Proceed is issued.

## **9. Planned use of consultants**

There are no plans to use any consultants.

**Appendix A. Organizational Chart**

**Organizational Chart**  
**Chelan River Project**  
Lake Chelan Hydroelectric Project



**Appendix B. QCIP Personnel Resumes**

**Robert J. Seabeck**

1340 Westwood Ave.

(509) 662-4746

**SKILLS  
PROFILE**

- 18 years of experience in all phases of District construction.
- Completed District pre-supervisor training.
- District trained in confined space entry, OSHA, WISHA, First Aid, Flagging, and CPR.
- Currently supervising 10 employees.
- Have developed department policies and procedures.
- Write weekly and monthly reports to managers.
- Knowledgeable in project and construction management.
- Personable and articulate; skilled in handling the public with professionalism and courtesy.
- Experienced in writing and delivering presentations at executive meetings.
- Qualified at writing specifications, and coordination of bidding projects in compliance with District and state bidding laws.
- Use Maximo to create work orders, schedule activities and complete time keeping.
- Budget and schedule development.
- Have a strong working relationship with CM, RR, RI, REO, union labor staff
- Possess good computer skills, including Microsoft Project, Excel, Word, Office, and other general software.

**WORK  
HISTORY**

July 1998-  
present

**Construction Manager, Chelan County PUD**

- Develop and manage construction projects.
- Served on team that created short- and long-term department objectives in accordance with company goals.
- Perform scheduling, record keeping and other related tasks to ensure compliance with specifications.
- Responsible for witnessing holdpoints and total project quality control.
- Responsible for progress payments approval, work performed, variance documentation, and progress reports to directors and superintendents.
- Responsible for preparation, collection, and approvals of contract bids.
- Responsible for managing multiple construction projects, with a financial responsibility of up to \$3 million dollars at anyone time.

June 1992-  
July 1998

**Field Engineer, Chelan County PUD**

- Responsible for preparing bid specifications and organizing the work to be performed by contractors or in-house labor.
- Responsible for maintaining records and writing daily reports on the project progress.
- Ensured all safety rules and regulations were followed.
- Responsible for quality control and quality assurances for District construction projects.

# Courtney Hill, P.E.

Civil Engineer III, PUD No. 1 of Chelan County

## Education

M.S. Civil Engineering, Brigham Young University, 1999

B.S. Civil Engineering, Brigham Young University, 1998

## Professional Affiliations

Registered Professional Engineer, Washington State

Member, American Society of Civil Engineering

## Continuing Education/Training

ASCE Seminars in Cost Estimating (2000), Shoreline Stabilization (2004), Pumping Systems (2005) and Water Hammer (2006)

Pimavera Courses 102 & 106 (2006)

## Experience - PUD No. 1 of Chelan County (October 2002 to present)

### **Chelan River Project, Nov. 2006 to present, T.P.C. ~\$3.75M**

District's project engineer for the Low Level Outlet, responsibilities include: leading and coordinating design development with external design consultant and District stakeholders, contract development and administration

### **Chelan Ridge Source Water Improvements Project, Sept. 2003 to June 2007, T.P.C. ~\$1M**

District's project manager and design engineer for development of new 350 gpm domestic water source, waterworks building, access road and 2,000 LF of 8-inch ductile iron water main; responsibilities included: developing feasibility/alternative analysis; exploratory drilling work; leading and conducting design development; permitting including water rights, land easement, shoreline, DOT and building; contract development and administration; and construction management

### **Other PUD Projects Include:**

- Chelan Hatchery Well Field Additional Wells,
- Rock Island Hydro Park Irrigation Well, April 2005 to June 2006, T.P.C. ~\$100,000
- Dryden Wastewater Influent Metering, May 2004 to January 2005, T.P.C ~\$100,000
- Dryden Canal Lining, 2004, T.P.C ~\$500,000
- Tumwater Fishway – Fish Collection Improvements
- Dryden Right Bank Fishway – Fish Collection and Handling Improvements
- Confluence State Park Shoreline Stabilization
- Compliance with Ecology Water Measurement Rule
- Carlton Pond Lining

### **Other Employment Experience:**

#### **Franson-Noble Engineering, American Fork, UT, May 1999 to October 2002**

- Otter Creek Dam Rehabilitation – design lead for fuse plug spillway
- Dairy Dam Construction – design lead for 30" twin outlets
- Combined Canals Reservoir – design lead for dam outlet
- Reinforced Concrete Domestic Water Reservoirs – design lead

**Appendix C. Construction Management Sample Forms**







# Critical Energy Infrastructure Information (CEII)

(Not public information)

**ENCLOSURE II:**  
**LAKE CHELAN RECREATION FORUM**  
**MEETING MINUTES**

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## Sokolowski, Rosana

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**From:** Pomianek, Kris  
**Sent:** Monday, June 02, 2008 11:06 AM  
**To:** Sokolowski, Rosana  
**Subject:** FW: 05-09-08Lake Chelan Implementation Meeting.doc



05-09-08Lake  
Chelan Implementa..

-----Original Message-----

**From:** Pomianek, Kris  
**Sent:** Monday, May 12, 2008 5:08 PM  
**To:** Tim Hollingsworth; (okeefe@amwhitewater.org); Annelise Lesmeister; Bill Fraser (bill.fraser@parks.wa.gov); Bob Goedde; Charles Sablan; Dave Fonfara; Dennis Baker (dbakdds@nwi.net); Jim Eychaner (jim.eychaner@rco.wa.gov); Jim Harris (jim.harris@parks.wa.gov); Jim Urness (jamesurness@hotmail.com); Joe Kastenholz (jkastenholz@fs.fed.us); Karyl Oules; Lanny Armbruster (mansonparks@flymail.net); Mike Steele; Richard Uhlhorn; Scott and Connie McKellar; Smith, Michelle; Baker, Ryan; Heit, Ray; Pomianek, Kris; Roni Freund; Seaman, Shaun  
**Cc:** Currit, Steve; Bitterman, Deborah; Congdon, Ann; Bolz, Dennis  
**Subject:** 05-09-08Lake Chelan Implementation Meeting.doc

Good afternoon, everyone.

Thank you so much to those of you able to attend our meeting last week. I am attaching minutes from the meeting. If you see anything that I have missed or any place that changes need to be made, please let me know. Again, thank you so much for your participation. I'll keep you posted via e-mail as we proceed. Have a great week!

Kris

<b>Lake Chelan Implementation Meeting Recreation Forum</b>		<b>Date: May 9, 2008 Time: 9:00 to 11:00 Location: Chelan County PUD Conference Room Chelan</b>	
<b>Meeting called by:</b>	Kris Pomianek	<b>Type of meeting:</b>	<i>Lake Chelan Recreation Forum</i>
<b>Attendees:</b>	Bill Fraser, Washington State Parks Ray Heit, Chelan PUD Tim Hollingsworth, Lake Chelan Recreation Development Foundation Charles Sablan, City of Chelan Scott McKeller, Lake Chelan Recreation Development Foundation Mike Steele, Lake Chelan Chamber of Commerce Ryan Baker, Chelan PUD Steve Currit, Chelan PUD Ann Congdon, PUD Commissioner		
<b>Unable to attend:</b>	Tom O'Keefe, American Whitewater Annelise Lesmeister, National Park Service Bob Goedde, City of Chelan Dave Fonfara, City of Chelan Duane and Dixie Baker, Community Members Jim Eychaner, RCO Jim Harris, Washington State Parks Jim Urness, Lake Chelan Recreation Association Joe Kastenholz, US Forest Service Karyl Oules, Community Member Lanny Armbruster, Manson Parks and Recreation Richard Uhlhorn, Lake Chelan Recreation Association Roni Freund, Lake Chelan Tourism and Promotion Group Shaun Seaman, Chelan PUD Michelle Smith, Chelan PUD Dennis Bolz, PUD Commissioner		
<b>Meeting Purpose:</b>	To discuss next steps following the approval of the Recreation Resources Management Plan received from FERC on April 14, 2008.		
<b>Meeting Minutes</b>			
Kris welcomed the group and introduced those attending			
<ul style="list-style-type: none"> <li>The <u>License Order</u> approving the recreation resources management plan was discussed and Kris explained that the Recreation Resources Management Plan was approved without any changes. Copies of the order were distributed and Kris indicated that any comments could be made by e-mailing her <a href="mailto:kris@chelanpud.org">kris@chelanpud.org</a></li> <li><u>Dan Gordon Bridge Project</u> - The Dan Gordon Bridge Project was completed in June, 2007. Because of safety concerns, PUD staff requested approval from FERC to move ahead with this project prior to submittal of the Recreation Resources Management Plan. Approval to proceed was granted in June, 2007.</li> <li><u>Modifications for future trails</u> – This portion of the plan will be completed as future trails are developed. It will consist of providing modifications to entrances and exits to ensure a smooth transition between trails and PUD parks. Prior to any plans being developed and approved, consultation will occur with the Lake Chelan Recreation Forum.</li> <li><u>Whitewater Boating</u> – Chelan PUD in cooperation with American Whitewater will be conducting a 3 year whitewater boating study on the Chelan River beginning in 2009. Because of the habitat restoration work being done in Reach 4, spills for whitewater boating on the scheduled 2 weekends in July and 2 weekends in September</li> </ul>			

cannot occur until 2009. Plans for the first year of the whitewater boating study will be discussed with the Lake Chelan Recreation Forum in early 2009.

- Riverwalk Loop Trail Extension – Kris explained that the construction of the Riverwalk Loop Trail Extension will not begin until 2009. She further explained that this was due to the fact that those building the trail were going to be working closely with those who will be building the low level outlet at the dam. Material that will be removed to allow for the low level outlet to be built, will be used to reshape/further develop the area to be used for the Riverwalk Loop Trail Extension. This partnership between these two projects will allow for more efficiency and will provide a benefit to both as well. Construction is expected to begin in Spring, 2009.
- Reach One Trail - Construction drawings are being finalized for the Reach One Trail. Kris provided copies for the Forum to review. In accordance with the License Order from FERC, these drawings must be submitted to FERC for final approval before construction can begin. In addition a Quality Control and Inspection Program, Temporary Construction Emergency Action Plan and Soil Erosion and Sediment Control Plan as well as a Temporary Emergency Action Plan must be submitted for FERC review and approval before construction can begin as well. All of this documentation will be sent to FERC by May 15, 2008. Current scheduling indicates that construction will begin on this trail in September, 2008.

Ann asked Tim to explain where the Lake Chelan Recreation Development Foundation would like to build trails further down into the Gorge. Tim showed the Forum, off of the maps provided, where that trail might go. Tim asked Steve Currit if the door was closed with the PUD on further development down in the gorge. Steve indicated that from his perspective, he was very hesitate to allow any development in this area at all because of safety concerns. However he did say that if Tim and his group would like to pursue further, he would need to have a governmental agency ie city, county behind them. Tim and Scott McKeller indicated that they would work with Charles Sablan at the city to see if a plan could be developed and they would be back in touch with the PUD through Steve Currit. Ann indicated that an important part of that plan must include ongoing maintenance. Chelan PUD would not be interested in taking on maintenance of this trail.

Discussion also occurred regarding John McCreary's property in the middle of the Reach One Trail. The PUD is currently working with him to ensure that access roads into his property are provided. In exchange, discussions with him are including the possibility of developing a trail along the north side of his property. This would allow this Reach One Trail to become a complete "loop". As decisions are made, Kris will communicate with the forum.

- Micro Park – It was called to PUD staff's attention that there was a concern about language in the Recreation Resources Management Plan which said, "Chelan PUD has determined that these parcels should remain undeveloped for future project purposes". At the Forum meeting on September 19, 2007, a discussion regarding this sentence occurred. The Forum asked if this sentence could be removed from the plan. Staff indicated that they would have to go back to the PUD for further discussion before a decision could be made to remove this statement. Following this discussion with PUD staff, it was determined that it was in the best interest of the community and the PUD to keep this language in the document. Steve Currit explained that if this statement was removed, the property owned by Chelan PUD could be susceptible to being sold and may not be held for further recreational development. The specific language is what assures the land will not be sold in the future. For this reason Steve recommended that this statement stay within the document. It however does not preclude other recreational uses. This is clear as the area around the gorge where the trails are being planned are held for project purposes.

Steve showed a map of the Water Street and Terrace Avenue area to the Forum. He explained that through ongoing discussions with PUD Commissioners on the future use of docks on PUD owned lands, that land along Water Street and Terrace Avenue will not be affected by this decision until the City of Chelan determines what they might do on their land in this area.

**NEXT MEETING:** The next meeting of the Lake Chelan Recreation Forum will be held in September.