

A scenic landscape photograph of Morse Lake, showing the water, surrounding green hills, and a sandy shoreline with some vegetation.

Morse Lake Pump Plant Project Overview

October 25, 2012

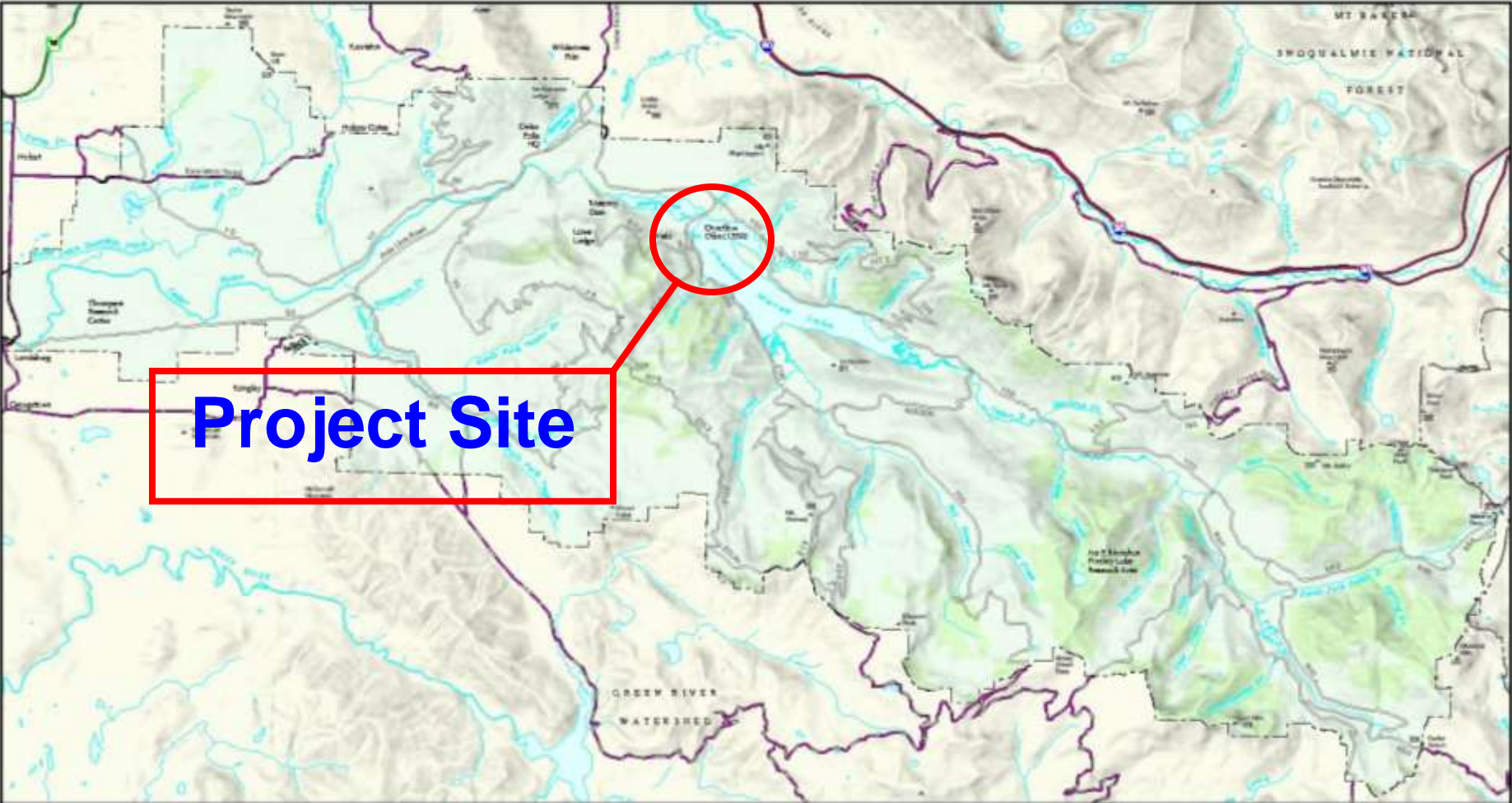
Water Operating Board Meeting

Outline

- Project Background
- Project Scope
- Schedule
- Budget and Cashflow
- Key Risks



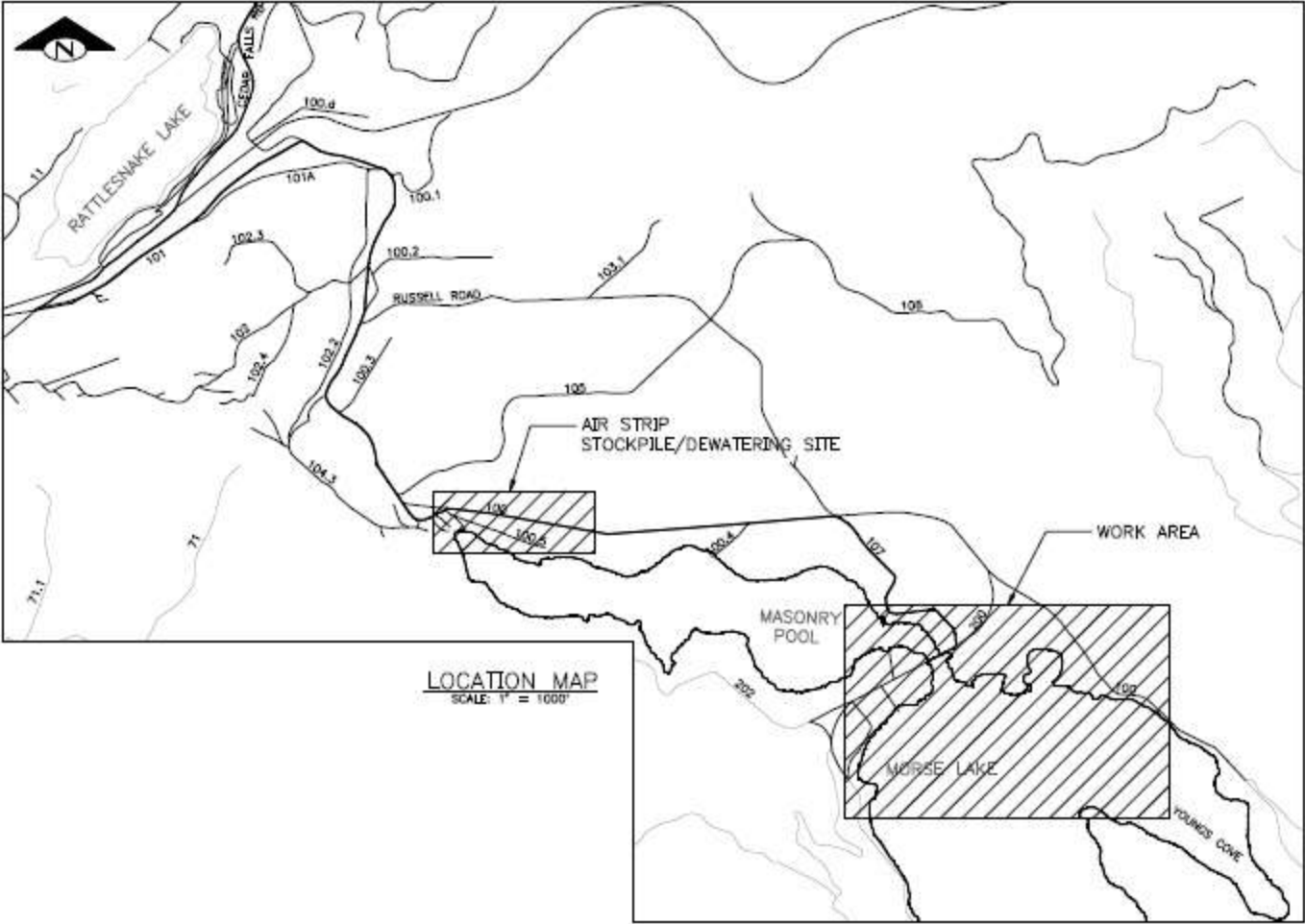
Project Area



Morse Lake Pump Plant



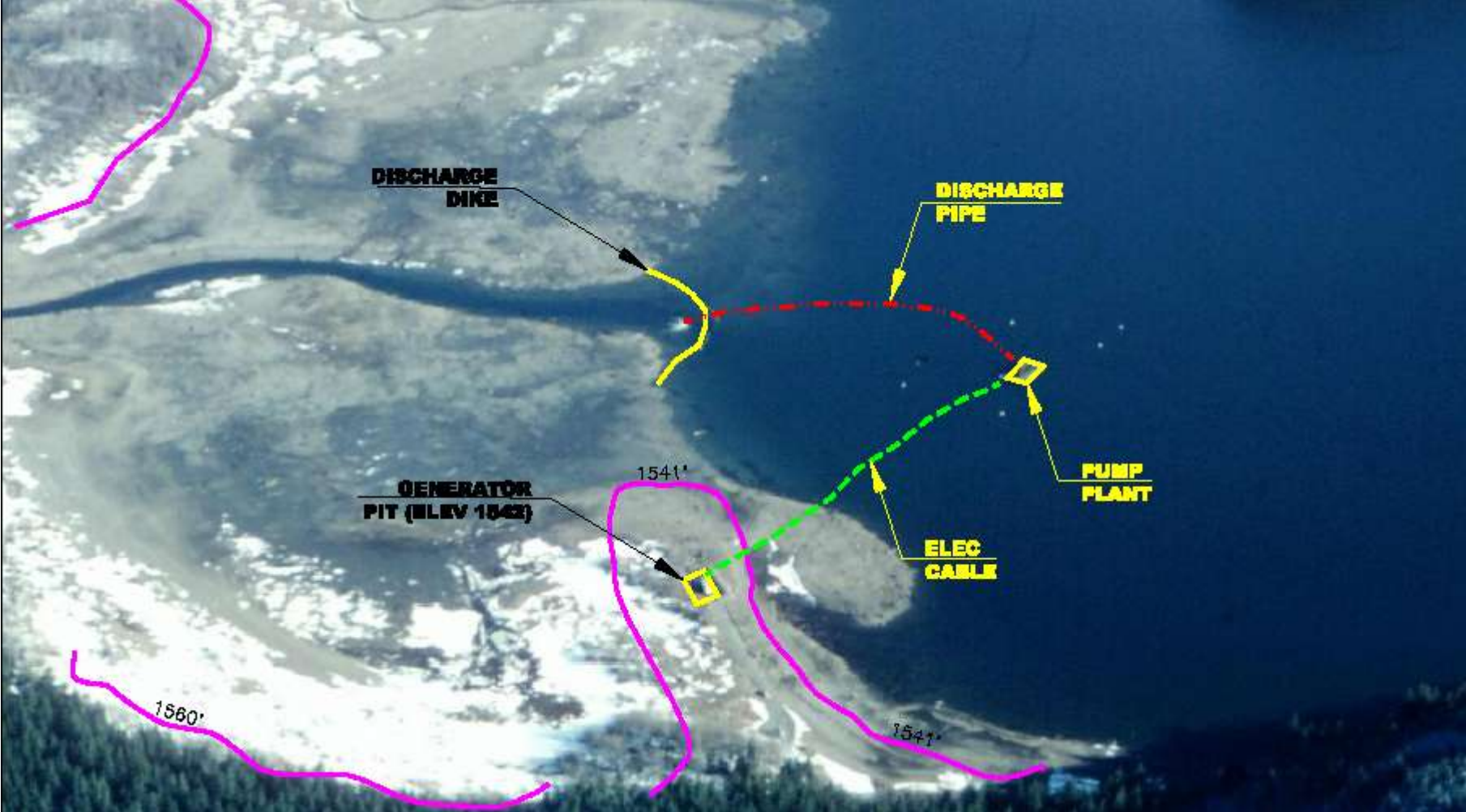
Project Location



Morse Lake Pump Plant



Background



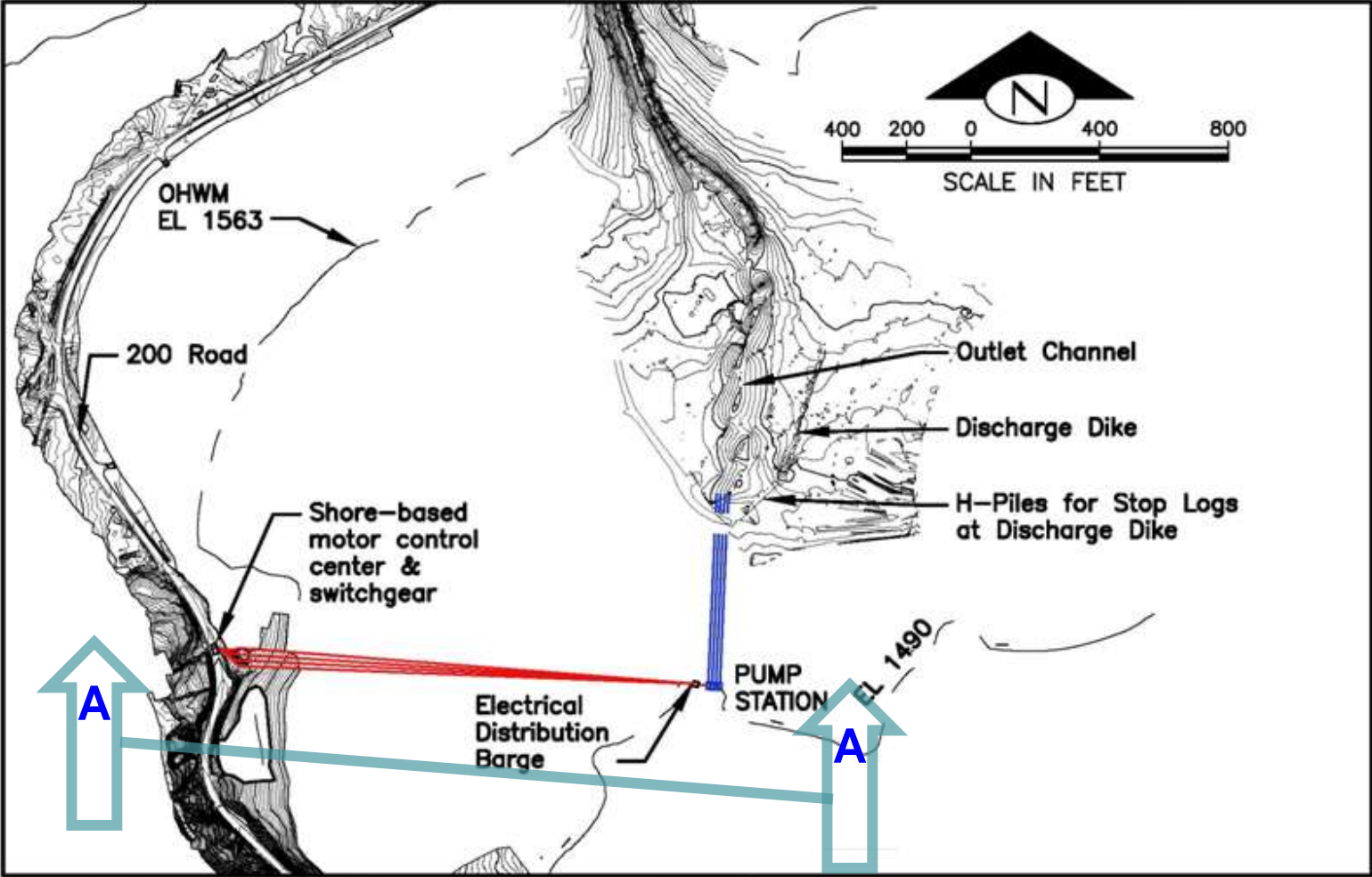
Morse Lake Pump Plant

Three Key Components

- Pumping Facilities
- Power Supply
- Conveyance

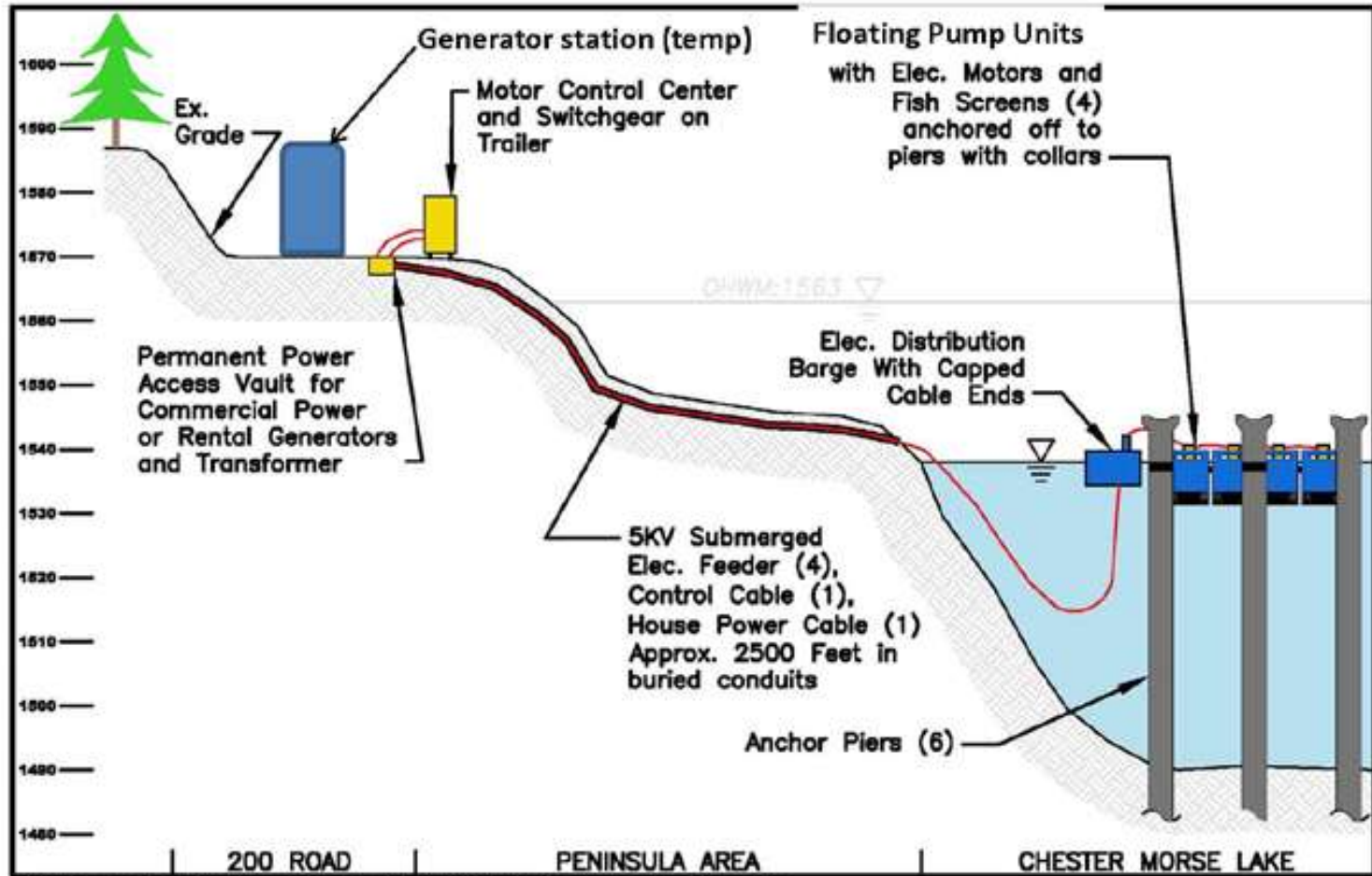


Site Map



Morse Lake Pump Plant

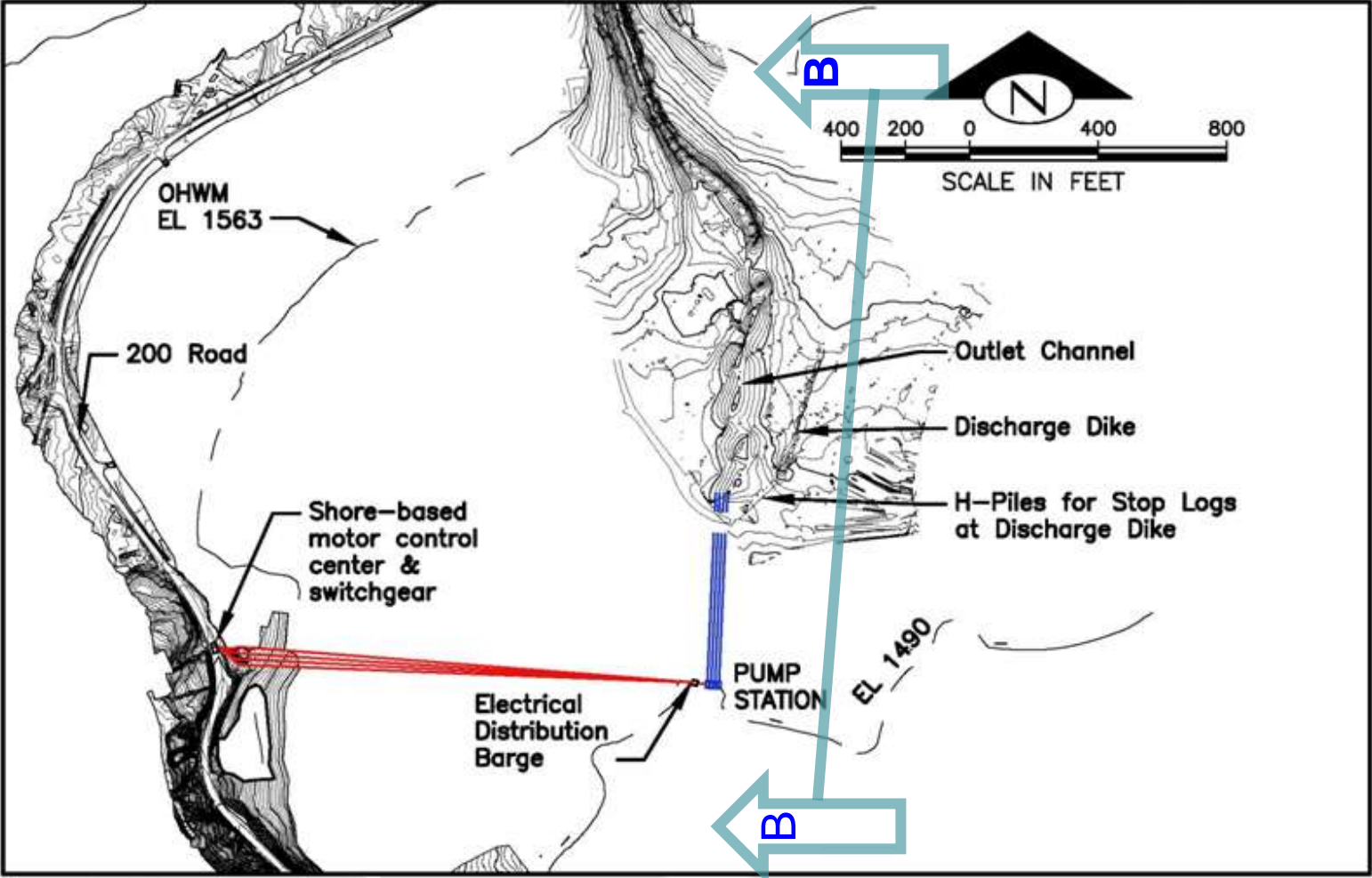
Section A-A



C:\Documents and Settings\yesuwock\Desktop\C103032-Nov_2010_Morrison-Pump-Figures.dwg

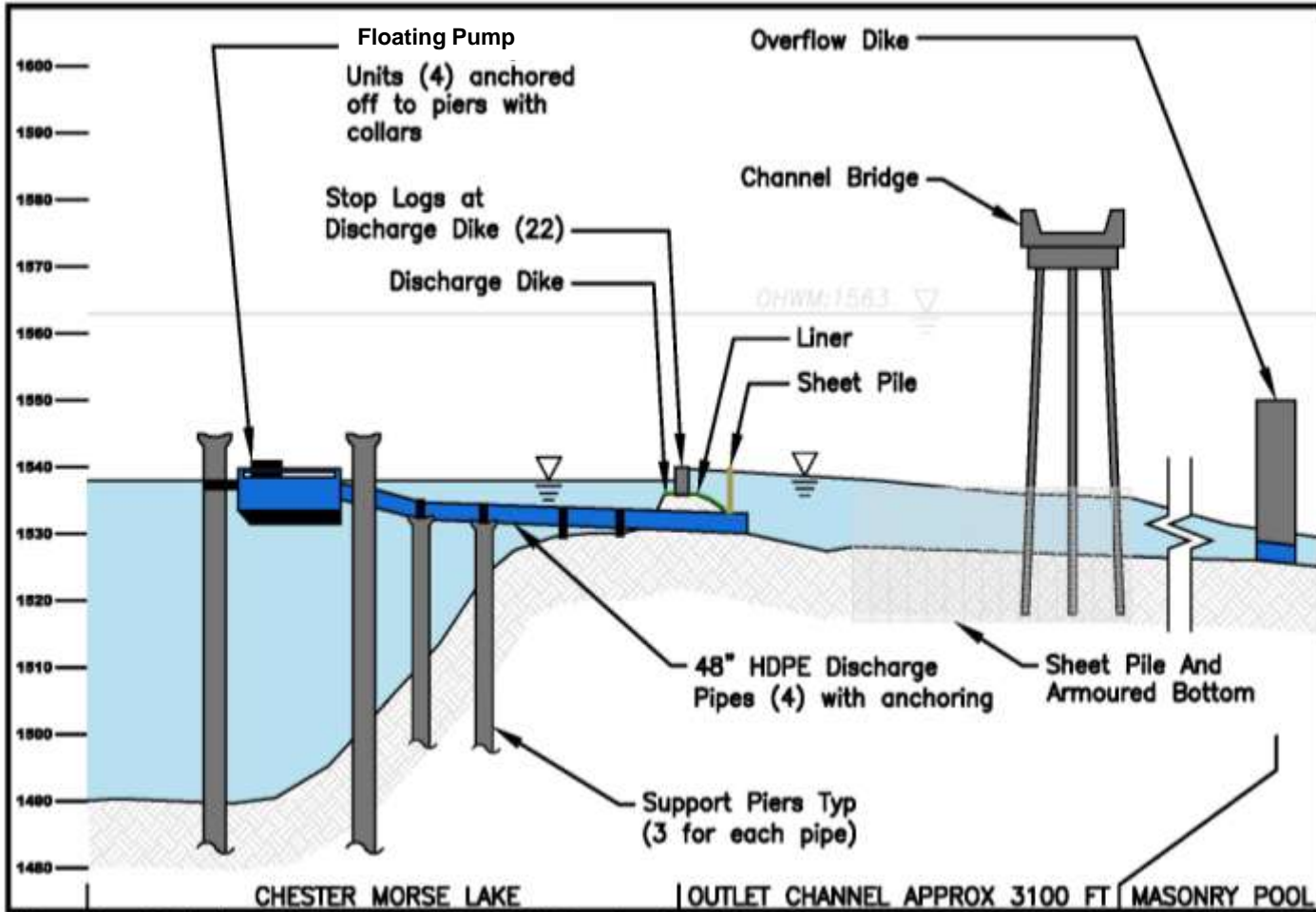


Site Map

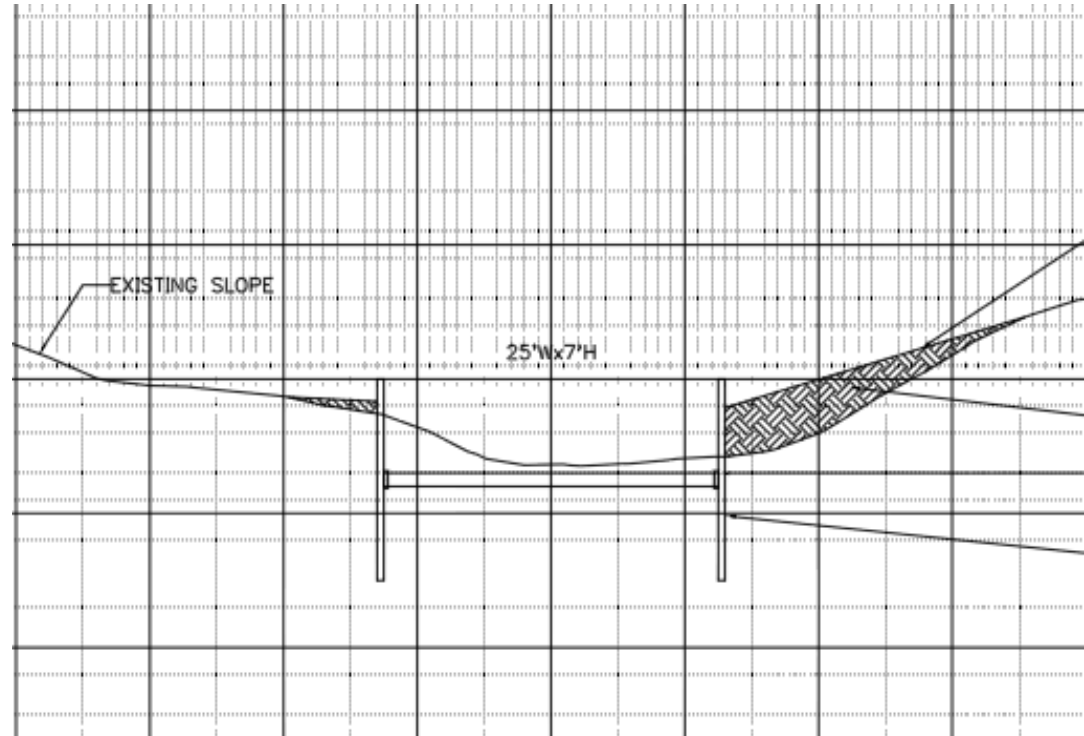


Morse Lake Pump Plant

Section B-B



Channel Improvements – Sheet Pile Walls with Hardened Bottom



- Risks

- Visual impact
- Impacts to cultural resources during construction
- Other risks?

- Benefits

- Increase channel capacity and reliability
- Reduce need for dredging
- Reduced impacts to cultural resources during construction
- Preserves cultural resources sites



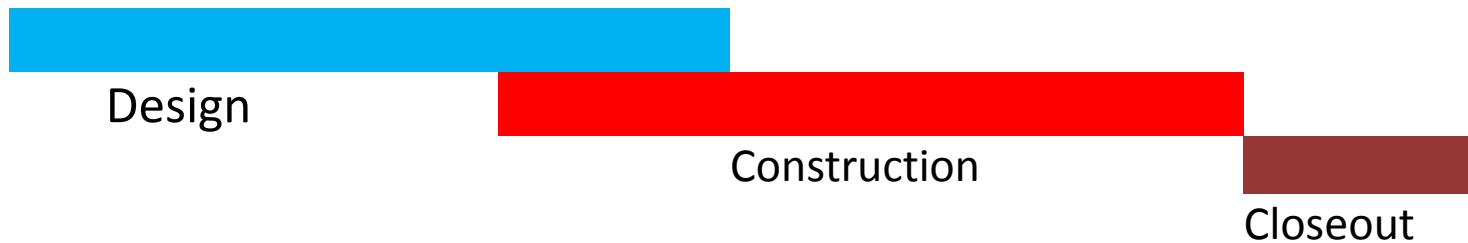


MLPP Target Schedule

Milestone	Estimated Date	Definition
Begin support services	September 1, 2012	After completing support services procurement, begin consultant solicitations and basis of design criteria development.
Performance & Design Criteria Report	January 15 2013	Support Services Consultant complete Performance & Design Criteria Report (deliverable for Design Services RFQPA).
Early SEPA Process	January 15 2013	With permit strategy, check in with SRO for threshold determination.
Publish RFQPA for Designer	September 1, 2012	RFQPA development with Basis of Design Criteria Report.
Begin design services	February 1, 2013	After completing design services procurement, begin design development.
Complete negotiations for services with existing GC/CM	June 1, 2013	Utilizing existing GC/CM contract, SPU will negotiate pre-construction and construction services using new 30% design, geotech data, etc.
Value engineering complete	July 1, 2013	VE team conducts VE workshop with SPU, designer, and GC/CM. Afterwards, the team evaluates the recommendations and determines to either accept or reject.
Begin permit acquisition	December 1, 2013	Complete SEPA, use 60% design for permit acquisition and approvals
Stage Gate 3: approval to advertise (begin MACC negotiation)	March 1, 2014	After 90% design is complete, obtain SG3 approval from PDB director to begin negotiating MACC with GC/CM.
Finish design	June 1, 2014	Designer will complete design to 100%. GC/CM will complete constructability review and subcontractor outreach.
Notice to Proceed	March 1, 2015	FAS reviews SG4 and negotiated MACC, and authorizes SPU to issue NTP.
Testing & Commissioning	September 1, 2016	Operations activities associated with the testing of facilities installed by the contractor and training necessary to transfer maintenance responsibilities. Any facility deficiencies will then be addressed in the punch list if the deficiencies are a result of the contractor not meeting the terms of the contract.
Substantial completion	September 1, 2016	SPU determines that work is complete on the construction contract. There may be minor corrective work prior to issuing physical completion. CMD issues the Notice of Substantial Completion.

Budget/Cashflow

2012	2013	2014	2015	2016	2017	Project Costs
\$ 1,648,210	\$ 2,794,935	\$ 4,561,334	\$ 11,631,401	\$ 11,864,029	\$ 6,050,655	\$ 38,550,564



Primary Project Risks

- Permits and Approvals (early engagement)
 - PSCAA / EPA
 - Tribal Interests
 - USACE, WDFW, WDOE
 - DOH
- Managing Tight Construction Windows
- Managing Security and WQ Concerns

Questions?

