

Project Narrative

Wanapum Right Bank Slope Stabilization

9. Proposed Water System (as designed by KCC 13.03) NOTE: Show location of water system on the site plan.

- N/A No water will be used. Project is intended to armor slope from erosion.

10. Narrative project description:

- During spring 2018 high run-off flows caused the Wanapum downstream right embankment to erode – threatening the right bank avian tower (tower #4). In May 2018 Grant County PUD crews mobilized to perform emergency stabilization efforts further upstream and up the bank of tower #4 than what was completed previously. Approximately 1,500 tons of riprap were borrowed from the emergency stockpile. An additional 850 tons were delivered and placed for bank stabilization. Lastly, approximately 500 tons of riprap were imported to restock the emergency stockpile. 1,000 tons of riprap is still needed to replenish Dam Safety's original stockpile.

There is approximately 250-300 yards of shoreline that needs to be protected with riprap to decrease the chances of further erosion to the shore and damage to the avian tower. Roughly 2,500-3,000 tons of riprap is required to tie in the newly placed riprap to the existing riprap downstream of the right bank fish entrance. It is prudent that the unprotected shoreline section upstream of avian tower #4 be armored to mitigate future erosion and potential undermining of the work recently completed at tower #4.

11. Provision of zoning code applicable:

- Title 17B Shorelines

12. A conditional use or administrative conditional use permit may be granted when the following criteria are met. Please describe in detail how each criteria from KCC 17.60A.015 is met for this particular project.

A. The proposed use is essential or desirable to the public convenience and not detrimental or injurious to the public health, peace or safety or to the character of the surrounding neighborhood.

- Armoring the slope will protect the shoreline from future erosion and protect the public from potential material scour.

B. The proposed use at the proposed location will not be unreasonably detrimental to the economic welfare of the county and this it will not create excessive public cost for facilities and services finding that:

- i. It will be adequately serviced by existing facilities such as highways, roads, police, and fire protection, irrigation and drainage structures, refuse disposal, water and sewers, and schools; or

- ii. **The applicant shall provide such facilities; or**
- iii. **The proposed use will be of sufficient economic benefit to offset additional public costs or economic detriment.**
 - The Wanapum Right Bank Slope Stabilization will benefit the county and the public by protecting the shoreline and maintaining the current shoreline location.
- C. **The proposed use complies with relevant development standards and criteria for approval set forth in this title or other applicable provisions of Kittitas County Code.**
 - The shoreline stabilization consists of rock revetment and is intended to protect Grant County PUD's Avian Tower #4 and to protect the shoreline from further erosion.
- D. **The proposed use will mitigate material impacts of the development, whether environmental or otherwise.**
 - Yes, placing the riprap as rock revetment will mitigate any additional impacts that future erosion may cause.
- E. **The proposed use will ensure compatibility with existing neighboring land uses.**
 - Rock revetment already exists both upstream and downstream of the proposed location, and therefore will be compatible with neighboring land uses.
- F. **The proposed use is consistent with the intent and character of the zoning district in which it is located.**
 - Yes.
- G. **For conditional uses outside of Urban Growth Areas, the proposed use:**
 - i. **Is consistent with the intent, goals, policies, and objectives of the Kittitas County Comprehensive Plan, including the policies of Chapter 8, Rural and Resource Lands;**
 - ii. **Preserves "rural character" as defined in the Growth Management Act (RCW 36.70A.030(16**));**
 - iii. **Requires only rural government services; and**
 - iv. **Does not compromise the long term viability of designated resource lands.**
 - Protecting the shoreline will help preserve the rural land and will not compromise the long term viability of designated resource lands.