

## **Indian Creek – Lemhi Drive Roadway Access Improvements Riparian Wetland Resource Management and Mitigation Plan**

**Landowner:** Indian Creek Ranch Homeowners Association

**Location:** Lemhi Drive Roadway, Indian Creek Ranches No. 1, Ranch No. 13 and 14, within Sections 33 and 34, Township 3N, Range 18E, Blaine County Idaho.

**Project:** Lemhi Drive Access Roadway – Riparian Wetland Management and Mitigation Best Management Practices

Indian Creek Homeowners Association will conduct roadway improvement project to bring the existing Lemhi Drive access roadway into compliance with roadway standards associated with zoning and residential development requirements. Proposed roadway improvement applications will impact delineated wetland resources, approximately 0.020 ac. (880 sq. ft.). Project applications located within Indian Creek Ranches No. 1, Ranch No. 13 and 14, Sections 33 and 34, Township 4N, Range 17E, Blaine County Idaho.

The existing roadway, Lemhi Drive, which provides access to lots within the Indian Creek Ranches, No. 1 Subdivision, is located within hillside topography. A portion of the roadway bisects a small seasonal drainage and associated riparian wetland resources (Sawtooth Environmental May 19, 2021). Seasonal snowmelt and stormwater runoff generated from the adjacent hillsides is conveyed through the project area by means of the identified drainage way.

In order to protect natural resource values, drainage characteristics, riparian wetland habitat elements and to ensure compliance with local, state and federal water quality standards. Applied development applications will incorporate all applicable *Best Management Practices* (BMP's) during construction phases. And all disturbed areas will be reclaimed with native grass, forb and shrub species to stabilized bare soils and associated fill slopes as soon as construction activities are complete.

### **Best Management Practices include:**

- 1) Project applications will incorporate all applicable regulatory standards and guidelines, and be in compliance with Federal, state and local, laws and regulations.
- 2) Limit the area of disturbance (vegetation removal) associated with project applications within the designated project and staging areas in terms of both extent and duration by the use of practical construction sequencing and applied Best Management Practices. Prior to construction, sensitive resource areas and

construction action areas will be clearly identified, proposed BMPs implemented, and required maintenance procedures reviewed with contractor.

- 3) All equipment will access the project site from the existing Lemhi Drive roadway. All work applications requiring heavy equipment will be conducted from existing roadway surfaces and work pads within the subject project area.
- 4) Where construction occurs, standard sediment control, pollution prevention and retention applications will be utilized. The contractor shall erect sediment barriers such as silt fences, straw wattles or matting as necessary. Such structures shall be placed where they will best intercept any flows that might transport sediment from the work site, be visually checked and maintained on an as needed basis.
- 5) Reclaim and re-vegetate all disturbed areas immediately following construction applications. Plant disturbed areas with grass, forbs and shrub species inventoried from the site, establish vegetation through seeding and allow for natural regeneration.
- 6) Locate all staging, parking and refueling areas outside of sensitive areas (i.e. drainageway, native vegetation stands and riparian areas) in weed free sites on existing roadways and/or adjacent area, in an area where a spill would easily be contained and not reach sensitive areas.
- 7) All equipment and supplies will be checked for leaks (fuel, motor oil, hydraulic fluids, etc.) and be monitored and controlled daily to prevent site and water contamination. Emergency spill kit shall be kept on-site for the duration of construction activities.
- 8) Monitor the project to determine how well the proposed project activities and design criteria were implemented. Monitoring will follow regulatory agency guidelines and will work to provide feedback on the effectiveness of these practices in reducing or minimizing the potential effects to aquatic and riparian wetland habitats.

Upon completion of the proposed project applications and associated construction activities all disturbed areas within the project's *Area of Impact* (AOI) will be reclaimed to match adjacent undisturbed areas, seeded with an appropriate native seed mix, and weed control treatments implemented to reduce existing weed populations and to mitigate further noxious weed establishment.

#### **Proposed Reclamation Management Applications:**

- Maintain buffer of existing vegetation between the identified AOI and undisturbed areas throughout all phases of the proposed project.

- Seed all disturbed areas and bare ground with appropriate native grass, forbs and shrub species (upland and riparian).
- Allow natural recruitment and colonization of desired native plant species within the designated reclamation area (AOI).
- Control noxious weeds and invasive plant species throughout the complete project area on an as needed basis. The preferred method of hand pulling will be applied for weeds that are isolated and not widespread, while spot herbicide applications will be utilized to control widespread infestations.

### **Preliminary Species List**

#### Upland Grasses

Bluebunch Wheatgrass	<i>Pseudoroegneria spicata</i>
Great Basin wildrye	<i>Leymus cinereus</i>
Idaho fescue	<i>Festuca idahoensis</i>

#### Upland Shrubs

Mountain Big Sagebrush	<i>Artemisia tridentata</i>
Common chokecherry	<i>Prunus virginiana</i>

#### Riparian Wetland Grasses

Bluejoint reedgrass	<i>Calamagrostis canadensis</i>
Thickspike wheatgrass	<i>Elymus lanceolatus ssp.</i>

#### Riparian Wetland Shrubs

Native willow	<i>Salix spp.</i>
Golden currant	<i>Ribes aureum</i>
Woods rose	<i>Rosa woodsii</i>

### **Success Criteria**

Reclamation within the *Area of Impact* will be considered functional and determined to be successful if at the end of three years:

- Herbaceous plant communities (grasses and forbs) are established and reproducing with acceptable ground coverage.
- Noxious weeds and invasive plant species within the AOI are not continuing to spread and are being addressed with appropriate weed control treatments.
- The designated reclamation site, AOI meets general criteria consistent with stable post construction site parameters and no associated adverse impacts have been identified.

- No unpermitted site alterations have occurred within the designated reclamation site, AOI.