

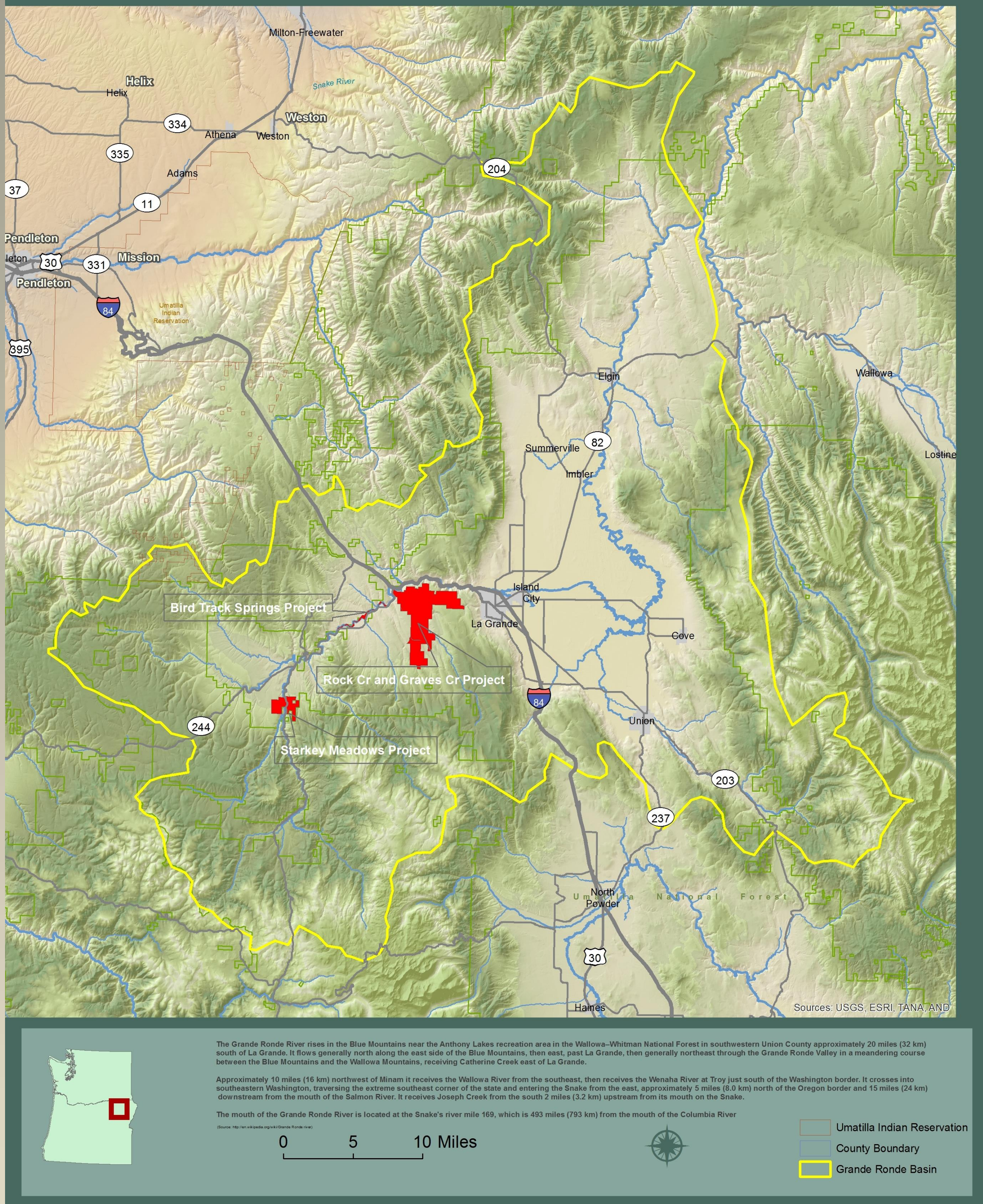
Confederated Tribes of the Umatilla Indian Reservation

Grande Ronde Subbasin Fish Habitat Restoration

Upper Grande Ronde Projects



Grand Ronde River Basin



Project Statement/Goal: Protect, enhance and restore functional, healthy and sustainable floodplain, channel and watershed process for the purpose of protecting and restoring fisheries and aquatic species in the Grande Ronde Basin.

Project Objectives: Specific project objectives are developed to address habitat limiting factors determined during baseline surveys and assessment. Objectives for reporting period are directed towards planning/design of new projects in preparation for implementation.

Project Activities

Ongoing project development, coordination, survey, design, permitting, and monitoring on 2014-2015 projects including:

- Completed large wood placement on 4 miles of Rock Creek. (Phase 2)
- Continued planning, coordination, and EC compliance on Rock Creek Project Phase 3.
- Completed diversion of 0.6 miles of Graves Creek back into its original meandering channel and plugged channelized section of stream.
- Continued design, permitting, and pre-construction planning on Grande Ronde River (Bird Track Springs Project and the Starkey Meadows Project).
- Participated in multiple basin planning and coordination efforts: GRMW Board of Directors, BiOp Expert Panel, Strategic Planning Tech Team, Project Design Team, OWEB small grant committee, and NRCS Basin Planning Team.

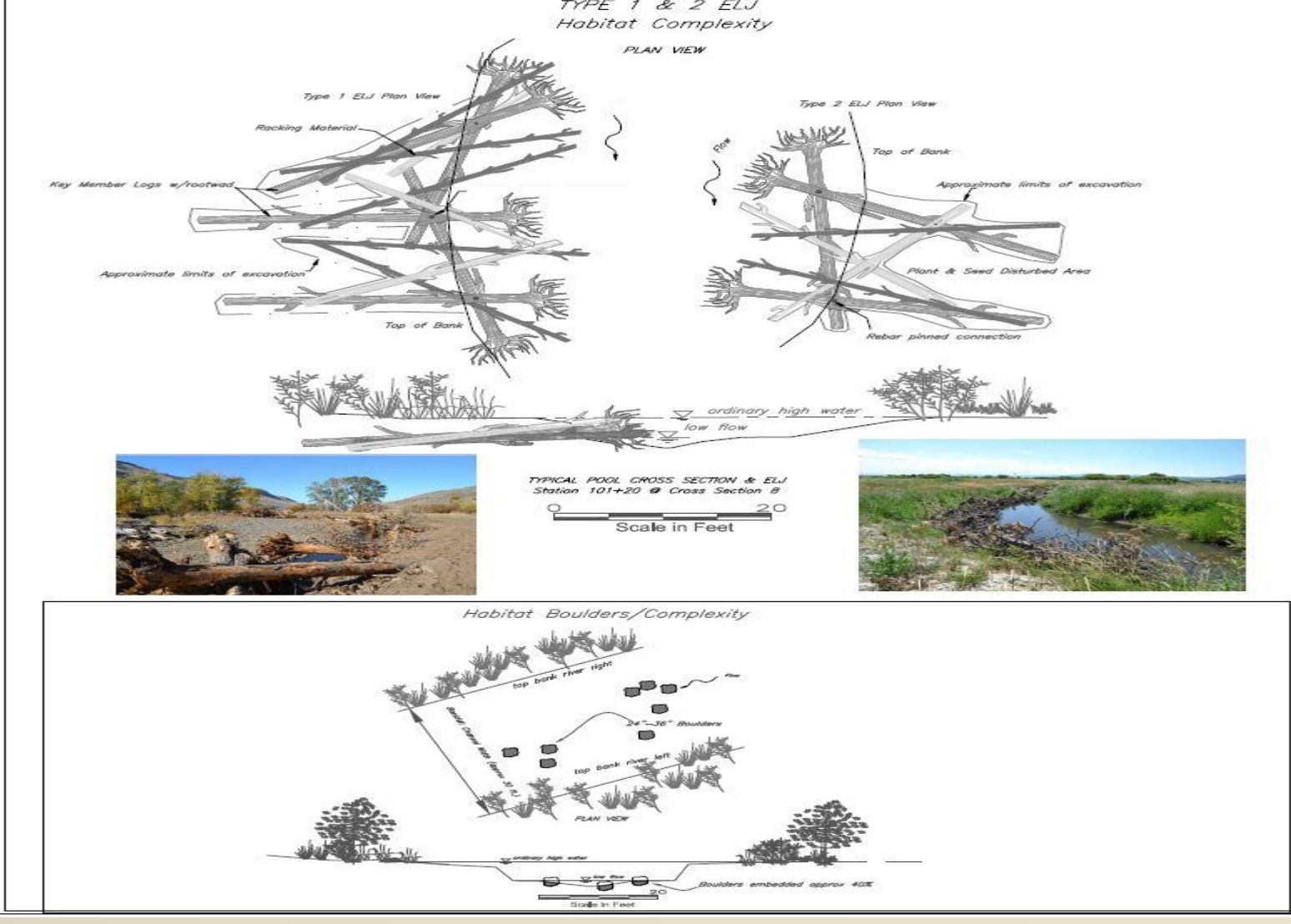
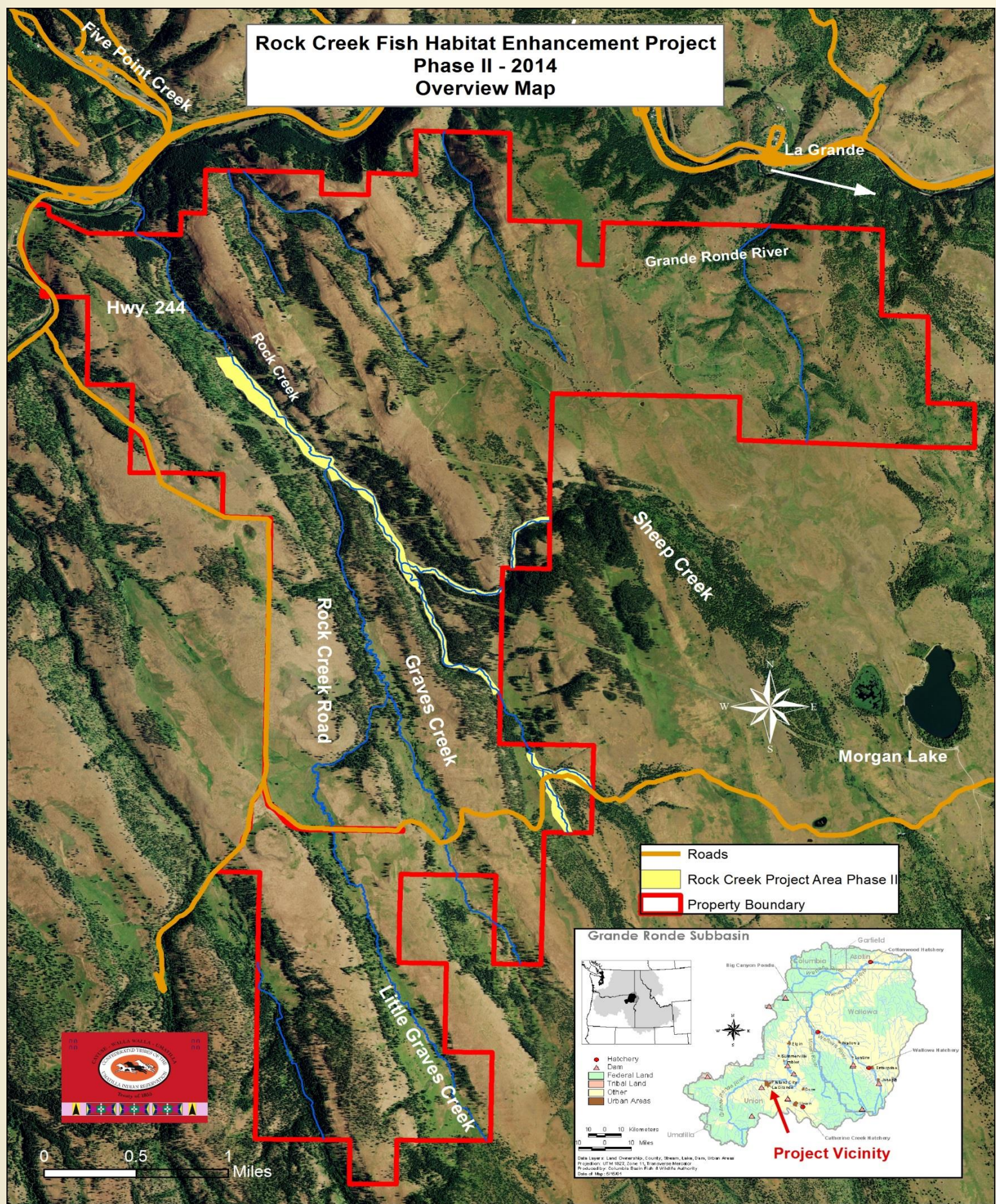
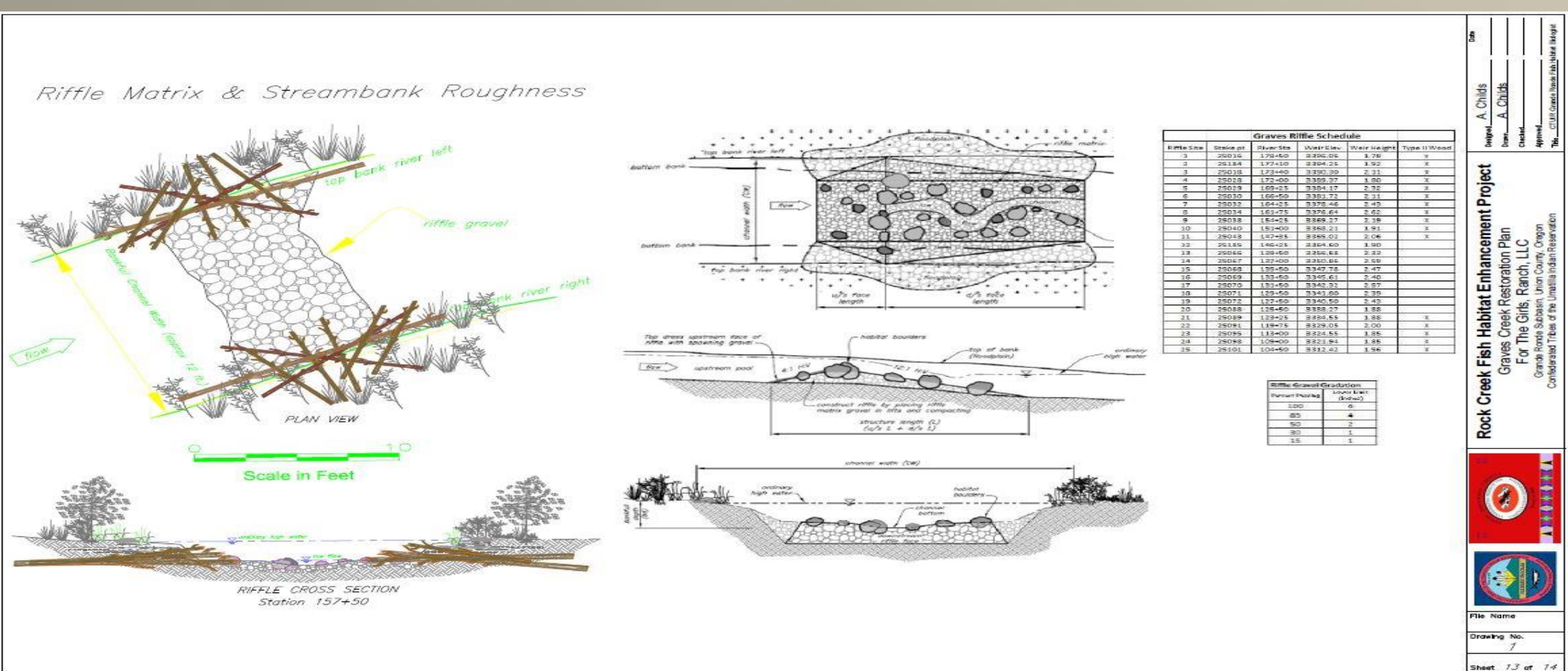
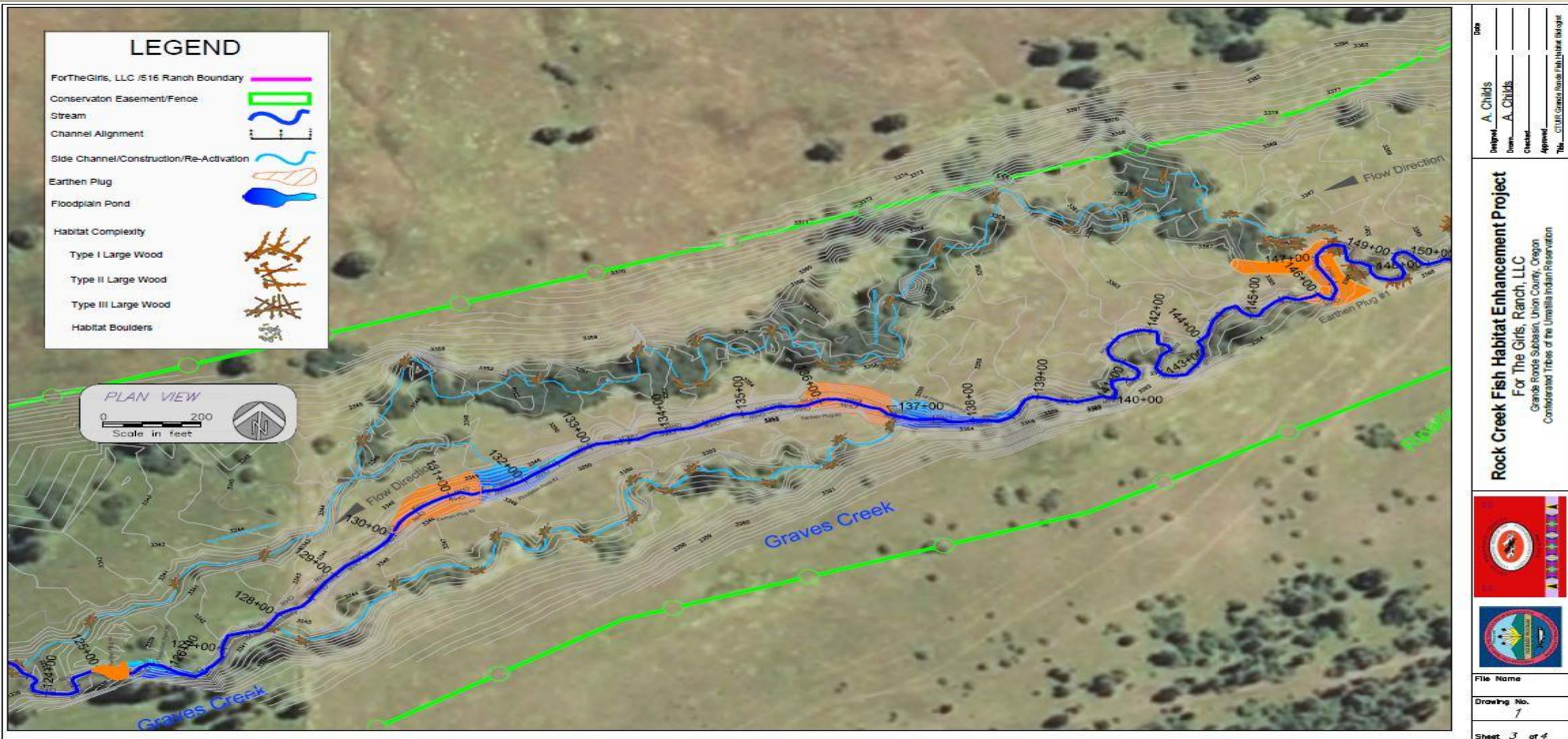
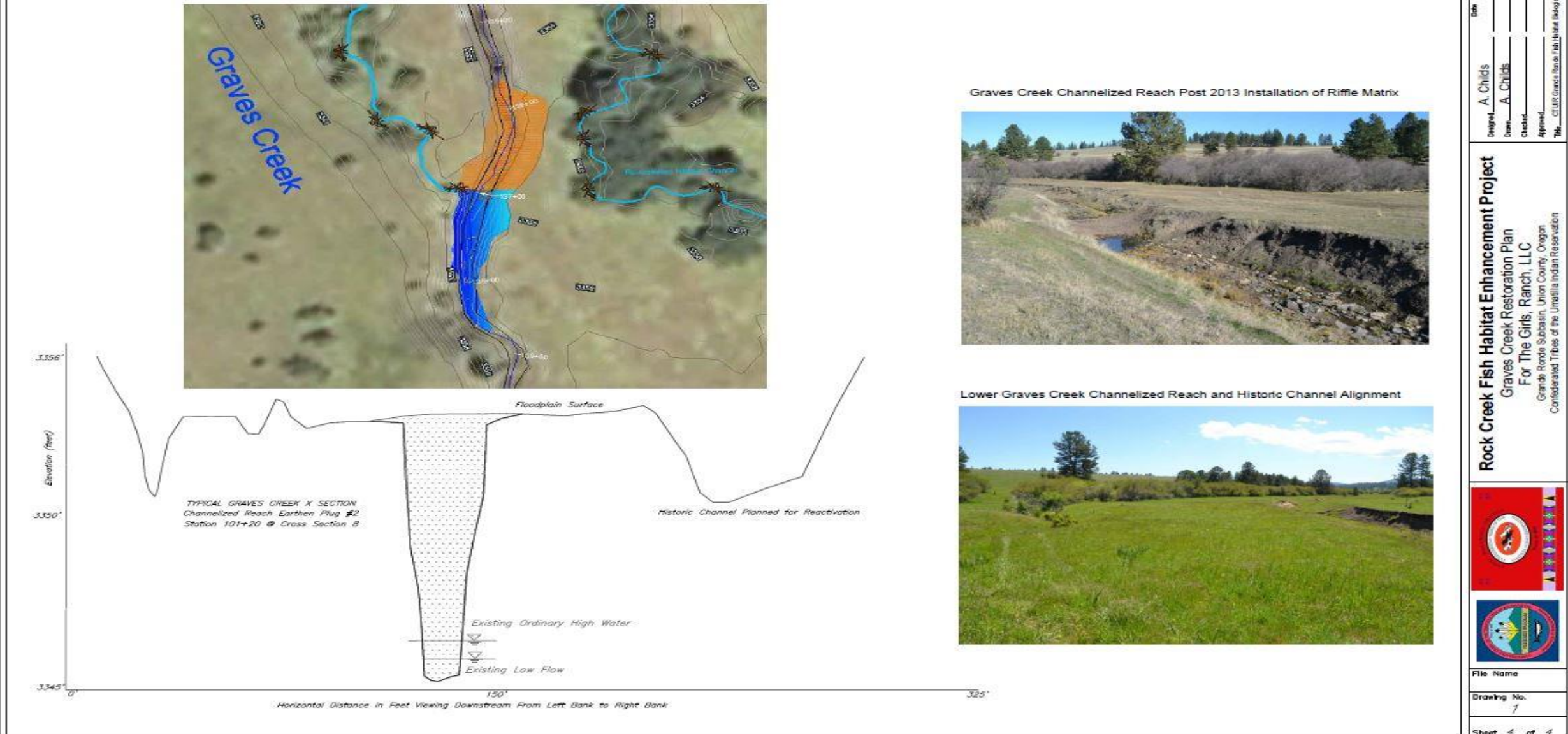
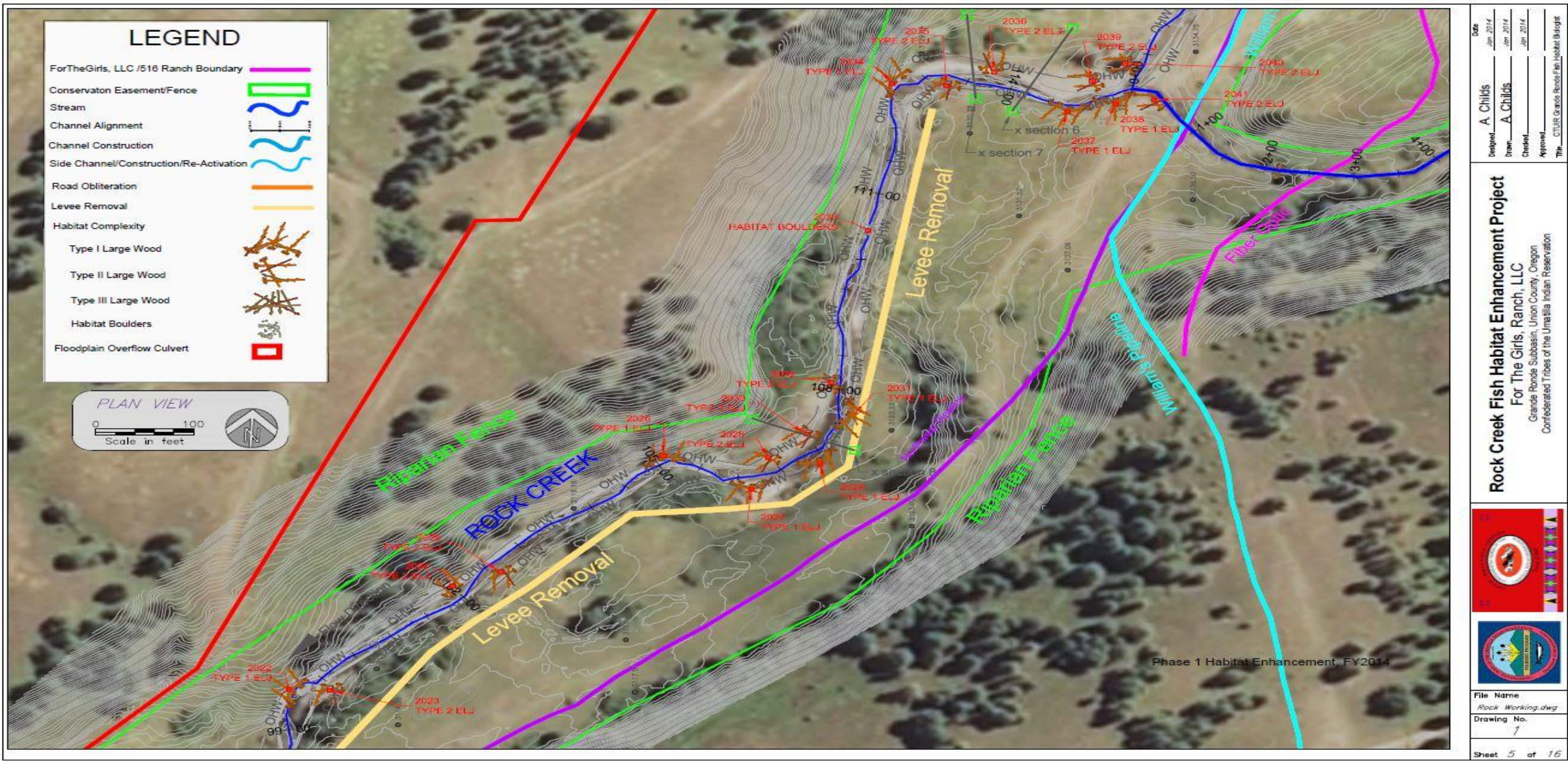
2014 PROJECT IMPLEMENTATION

ROCK CREEK, SHEEP CREEK, AND LITTLE ROCK CREEK

- Constructed 162 Large Woody Debris Structures along 4 miles of Rock Creek, 1 mile of Sheep Creek, ¼ mile of Little Rock Creek.
- Trapped and hauled (salvaged) 2,185 O.mykiss from construction areas to avoid any unintentional take or injury.
- Removed 3,500 cubic yards of floodplain levees to re-activate channel/floodplain interaction.
- Planted and re-seeded disturbed areas using a combination of live stakes, plugs, and container plants (6,000 plants).

GRAVES CREEK

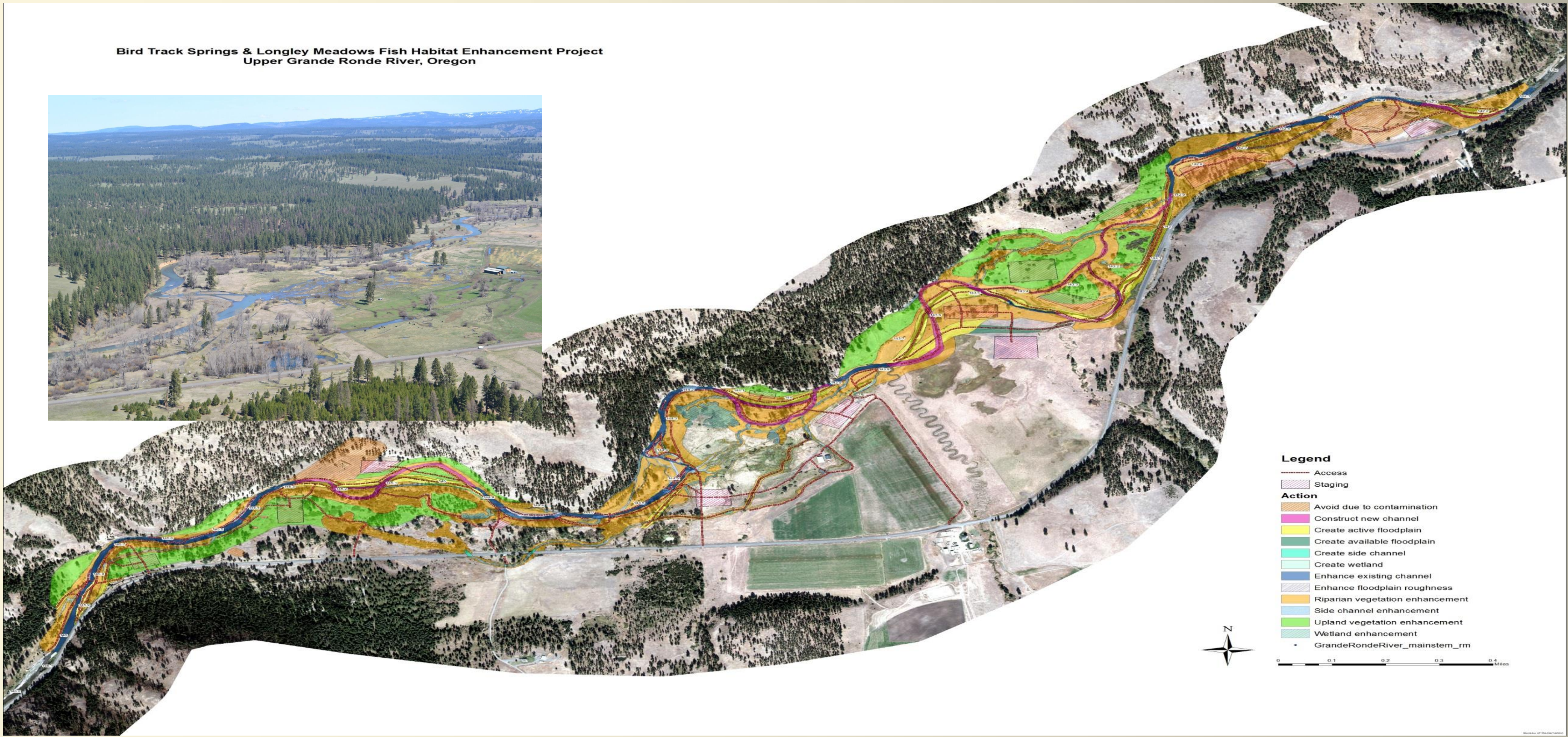
- Installed 4 earthen plugs (3,400 cubic yards) in the incised channel segment and connected Graves Creek to 0.6 miles of its historic alignment.
- Re-activated 3 historic side channels by removing earthen plugs.
- Planted and re-seeded disturbed areas and access roads (1,500 plants).



PROJECT PLANNING

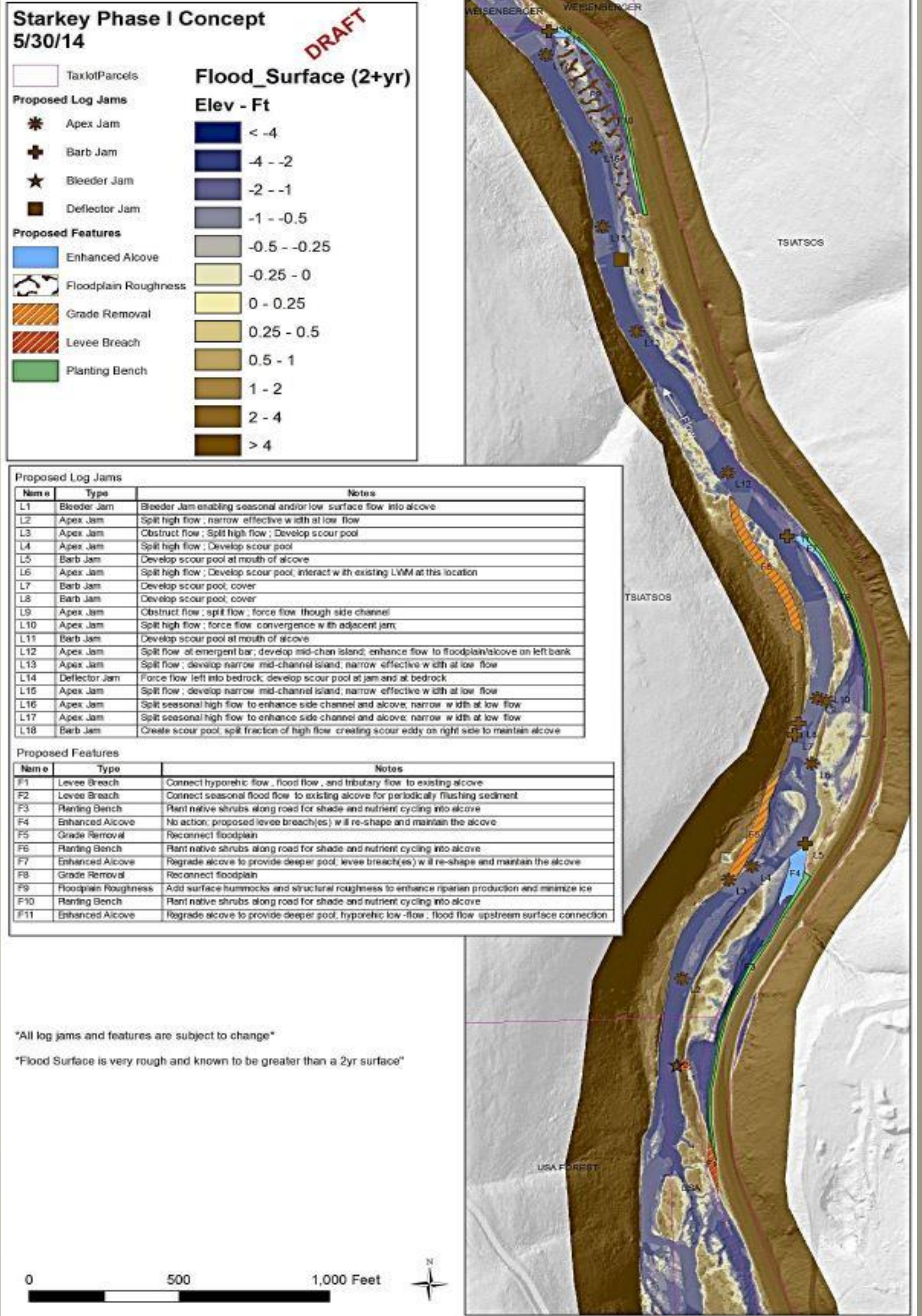
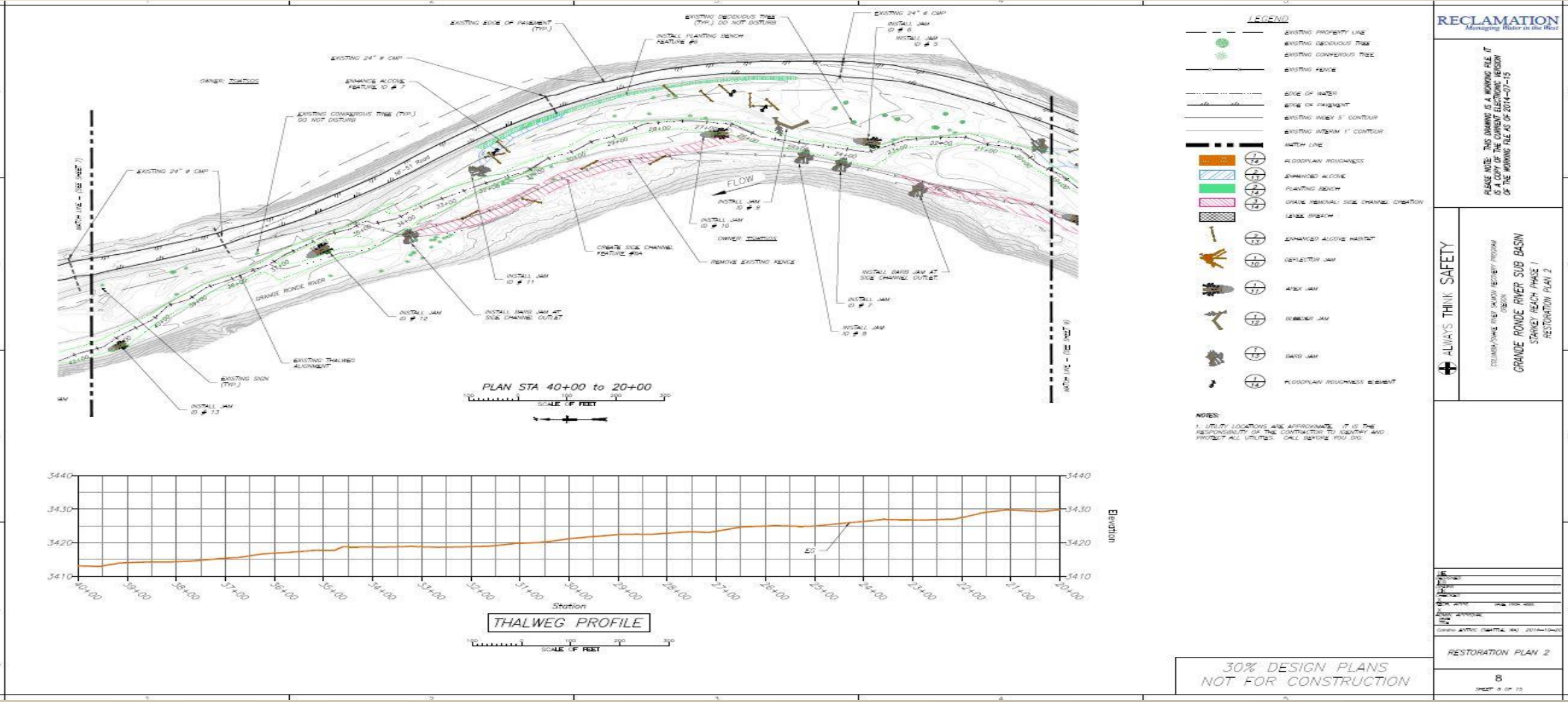
GRANDE RONDE RIVER BIRD TRACK SPRINGS PROJECT

- Goals:
 - Improve summer and winter rearing habitat for Chinook salmon and steelhead.
 - Restore habitat conditions suitable for Chinook spawning, incubation and emergence.
 - Improve habitat for emigrating/immigrating salmonid species.
- Area:
 - 4 miles of Grande Ronde River from Bird-track Springs campground downstream to the La Grande Gun Club



GRANDE RONDE RIVER STARKEY MEADOWS PROJECT

- Goals
 - Improve spawning and rearing habitat for Chinook salmon.
 - Restore floodplain function.
 - Protect riparian corridor with conservation easement.
- Area
 - 1-mile of the Grande Ronde River upstream of the town of Starkey.



ROCK CREEK PHASE III

Goal is to re-meander lower mile of Rock Creek to improve fish habitat conditions and provide floodplain activation. Planned habitat work includes: 85 large wood sites, boulder clusters, removal of levees, removal of road grade.

