

# 109 Lemhi Drive

BURKS RESIDENCE

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## Revegetation Strategy

The revegetation plan is to first strip the top soil and grubblings from the site to save the native vegetation and seed bed to be reused as a top dressing. Due to the challenging terrain and constraints of the project site, the topsoil & grubblings will be scrapped and stockpiled at one end of the projects proposed limits of disturbance (LOD). Fill material will be imported & placed into the cleared area. The grubblings pile will then be moved over onto the recently filled area and scrapped from the stockpile area. The fill material will then be imported & placed in that area and top dressed once completed. Overall, the project will spread 4-6" of grubblings & topsoil over the disturbed area for revegetation. Additional topsoil will be supplemented in and used with the native grubblings depending on the amount of existing grubblings that are generated. As the topsoil and grubblings are being placed, bulldozer track marks will be created into the newly placed soil that will run perpendicular to the slope. Boulders will be placed in the slopes and blended in the topsoil with an excavator. The track marks from the equipment create a good seed bed and help reduce any rill erosion that could occur until revegetation establishment.

After topsoil & grubbing placement, the revegetation area will be hydroseeded. It will be a project goal to complete this task in fall or spring during cooler & wetter weather. A Native Idaho Fescue grass & Sage Brush seed mix will be in a hydroseed slurry with water, mulch, and fertilizer. An organic tackifier will also be added into the slurry to help bind the hydroseed to the ground for best seed contact and additional protection against erosion.

The water included in the hydroseed slurry provides a great initial watering for germination. Temporary irrigation will initially consist of the use of a water truck to disperse water over the revegetation area. The water truck will drive along both edges of the proposed driveway and along the building area toe of slope spraying water out as far as the nozzles will allow. Water will then work its way down hill to cover the lower portions of the site. The track marks will capture and hold some amount of water as it drizzles downhill.

Once the domestic well is drilled, a temporary irrigation system will be installed and will consist of a 2" polyethylene pipe (polypipe) installed on grade with low volume MPR rotator heads spray heads that will complete a cycle and soak operation. The system will be zoned accordingly to facilitate the water pressure that is available by the well. A temporary battery-operated controller will be used to control the zones and ensure proper timing and operation of the cycle and soak method.

The project team understands that the revegetation will be a challenging task and with the use of the native topsoil grubblings, proper depth and placement of topsoil material, hydroseed with native seed/mulch/water/fertilizer/tackifier, hydroseed timing, and temporary irrigation are the projects tools to help ensure a successful revegetation process.