Project description: Direct Replacement of Driveway Culverts

The activities will result in approximately 1250 sq ft of wetlands disturbance. No wetlands will be altered as this is a direct replacement. The activities will include:

1. Install erosion controls
2. Divert water through pipe A, using sandbags in the stream bed
3. Excavate and replace pipe B
4. Redirect water though pipe B, using sandbags in the stream bed
5. Excavate and replace pipe A
6. Backfill and compact soil around culvert pipes
7. Reestablish riprap on embankments
8. Reestablish grass in areas of disturbance
9. Remove erosion controls after grass is established

Proposed erosion and sedimentation controls:

- Soil stockpile area
- Installation of silt fence around soil stockpile area
- Water diversion through pipe not being worked on to prevent any lapse in the flow of river
- Riprap on brook embankments
- Riprap apron at outlet of pipes for stabilization
- Work to be completed during period of low flow and as rapidly as possible

Alternatives:

There are no alternatives which would cause less or no environmental impact to the wetlands. The proposed activities will not alter the current wetlands or current flow of the brook as it will be a direct replacement of the current state.

Alternatives were not prudent/feasible as they would the greatly increase the timeline of the project. The driveway over the culverts is the only access to both houses and cannot be out of use for extended period of time. There is urgency for project completion as the driveway is currently compromised.

Management and Mitigation Measures:

Management measures will consist of both short-term and long-term measures. Short-term measures will consist of the installation of proper erosion controls. Long-term measures will consist of reestablishing grass in areas of disturbance and not altering the current brook flow as this is a direct replacement.