

FOREST PRESERVE DETAILED PROJECT WORK PLAN

Fiscal Year 2024
Project # 2024-WB-032
CO-WP-380

| | |
|--------------------|---|
| <u>Region</u> 5 | <u>Project Title</u> Drainage Ditch Clearing and New Culvert |
|--------------------|---|

| <u>Project Type</u> | <u>Town(s)</u> | <u>County</u> | <u>Management Unit</u> |
|--|----------------|---------------|---------------------------|
| Modification of Existing Structure/Improvement | Newcomb | Essex | Blue Mountain Wild Forest |

Description of Desired Condition(s) for Project

The motor vehicle roads in the Essex Chain Complex, which fall within the Blue Mountain Wild Forest, provide access for the public to the state land and associated recreational infrastructure. These roads require regular maintenance to keep them passable for all vehicles, not just high clearance 4-Wheel-Drive (4WD) vehicles. Storm events now regularly cause minor washouts, gullying; and ditches and culverts to fill with sediment and debris. The objective of this project is to improve and maintain the drainage along the road so that these washouts and other damage are minimized and that the roads remain passable for the public. In order to properly clear and re-establish existing drainage ditches and turnouts, saplings and trees that have grown up within and between the road's edge and drainage features need to be removed. In addition, a new location for a culvert has been identified to improve drainage in a site that has been regularly washing out. These actions will be performed by the Town of Newcomb Highway Department under contract with the Department.

Description of Project Specifications

Drainage ditches & turnouts

Trees that have grown within the drainage ditches or between the ditch and the road's edge will be removed. Additionally, trees that presented hazards or are leaning into the road corridor will also be removed. These roads include: Cornell Road, Deer Pond Road, Fifth Lake Road, Chain Lakes Road (north), Polaris Bridge Road and Camp Six Road.

There are 96 trees between one and three inches in diameter at breast height (DBH) and six trees that are greater than three-inches DBH that will be removed (see table below).

FOREST PRESERVE WORK PLAN TREE TALLY

Project Name: Essex Chain Complex Ditch Clearing & Culvert

State Land Unit: Blue Mountain Wild Forest

County: Essex

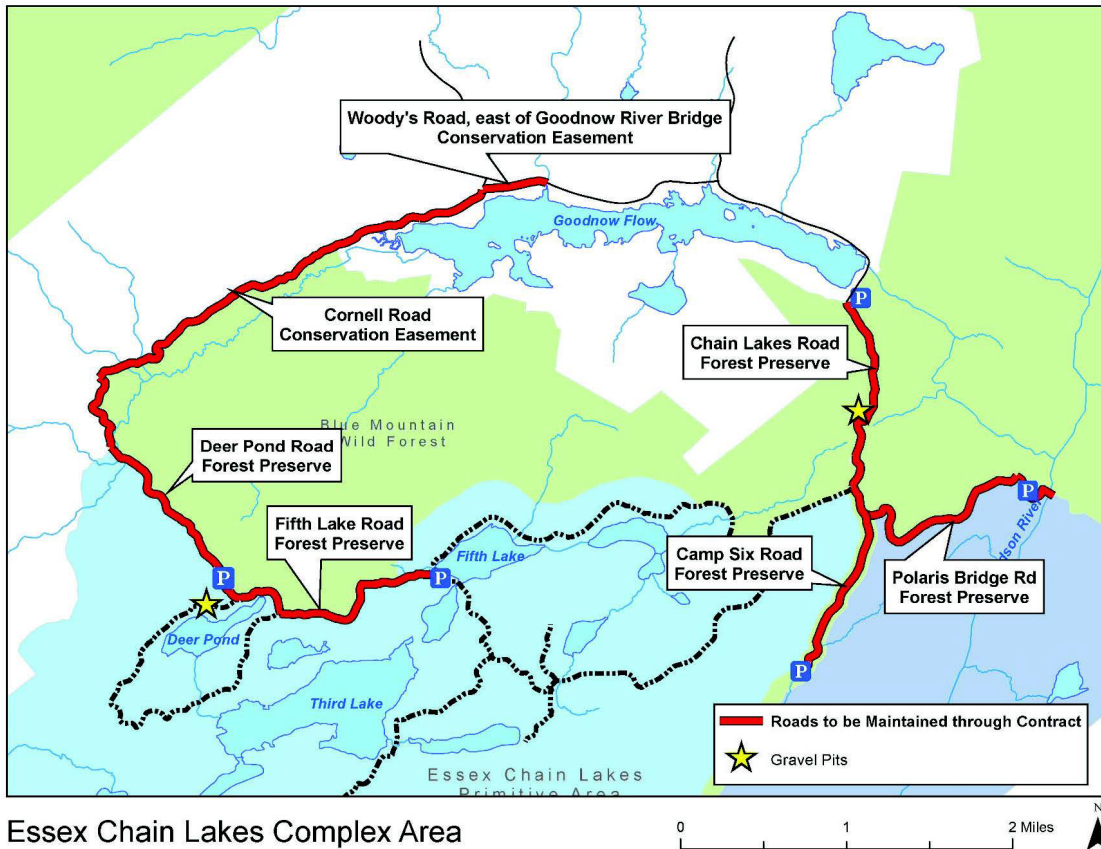
Town: Newcomb

Date Talled: August 28, 2024

Talled By: K. Seleen & B. Thomas

| Species | Diameter | | | | | | | | | | | | | | | Total |
|------------------|-----------|---|---|---|----|----|----|----|----|----|----|----|----|----|----|------------|
| | 1 to 3 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | |
| Bigtooth Aspen | | 1 | | | | | | | | | | | | | | 1 |
| Elm (dead) | | | | | | 1 | 1 | | | | | | | | | 2 |
| Yellow Birch | | | 1 | | | | | | | | | | | | | 1 |
| Red Maple (dead) | | | | | 1 | | | | | | | | | | | 1 |
| Balsam Fir | | 1 | | | | | | | | | | | | | | 1 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Total | 96 | | | | | | | | | | | | | | | 102 |

Motor Vehicle Roads in Essex Chain Complex:



Culvert

A 24-inch diameter by 20-foot long culvert will be installed at a location along Woody's Road that has washed out in the past during major storm events. This culvert will be sized appropriately in order to accommodate the flow of increasingly large storm events and will be sited in a way that is more in line with the natural channel of this stream allowing for a more direct connection with the wetland across the road.





Description of Measures Taken to Avoid, Mitigate and Minimize Impacts to Natural Resources

With the exception of the removal of six hazard trees, all work will occur within the existing maintained road corridor. Best management practices will be utilized to ensure sediment containment to the greatest extent possible. The result of this project should reduce impacts to natural resources from storm events and related road runoff.

Analysis of Project Location and Design Alternatives

Drainage ditches and trees: The location of this work will occur where the existing drainage features are on the ground and where the trees have grown up over the last few years.

Culvert: The location of the new culvert is based on where the stream would naturally cross the roadway if the road were not there and is sized based on a combination of Stream stats results and field measurements of bankfull width.

Description of Use of Motorized Equipment and/or Motor Vehicles (if any)

Motorized vehicles and equipment will be used including chainsaws, brush saws, excavators, dump trucks, woodchipper, and other road maintenance equipment as needed to achieve the project objectives.

Description of Applicable Standards for Accessibility by People with Disabilities

Road maintenance allows for access for people of all abilities by ensuring the road and road surfaces are in good condition. These roads also provide the access to the Motorized Access Program for People with Disabilities (MAPPWD) route and parking lot at Fifth Lake.

Other Relevant Considerations

None

Prepared by (Name & Title): Kirstin Seleen
Phone: (518) 623-1278

Date: 9/10/2024

Approvals:

Comments:

REGULATORY CLEARANCE CHECKLIST – STATE LANDS and CONSERVATION EASEMENT PROJECTS

| PROGRAM | PERMIT | REQUIRED | | SECURED BY | COMMENTS |
|----------------------|--|-------------------------------------|-------------------------------------|------------|----------|
| | | YES | NO | (NAME) | |
| Air Resources | Restricted Burning | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Mineral Resources | Mining | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Materials Management | Solid Waste Mgt. Fac. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Water | Dam Safety Review | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Const. in Flood Hazard | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Public Water Supply | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | SPDES | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Spills Management | Petro. Bulk Storage | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Lands and Forests | Unit Management Plan | <input type="checkbox"/> | <input checked="" type="checkbox"/> | K. Seleen | |
| | Tree Cutting | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | |
| | Protected Native Plants | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Historic Preservation | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Fish and Wildlife | Freshwater Wetlands | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Wild Scenic & Rec. River | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Compliance Services | Other Protection of Waters | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | EAF | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Negative Declaration | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Env. Impact Statement | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Water Quality Cert. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| DEC (other) | CP-17 | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Commissioner (aircraft, motorized equipment) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Flight Request | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Contract Clearance Sh. | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | DOB Exemption | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| Other Agencies | APA MOU | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | APA Wetlands Permit | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Corps. of Engineers | <input type="checkbox"/> | <input type="checkbox"/> | | |
| | Building Permits | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Local Permits | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Easements | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Highway Enter DOT | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |
| | Wastewater Disposal | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | |