
FOREST PRESERVE DETAILED PROJECT WORK PLAN

Fiscal Year 2023
Project # 2023-RB-15; CO-WP-311

<u>Region</u> 5	<u>Project Title</u> Valcour Island Parking Improvements
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<u>Project Type</u> Modification of Existing Structure/Improvement	<u>Town(s)</u> Peru	<u>County</u> Clinton	<u>Management Unit</u> Lake Champlain Islands - Peru Dock - Intensive Use Area
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Description of Desired Condition(s) for Project

The Peru Dock Boat Launch Site needs maintenance. The southern lot is regularly flooded during rain events due to a failed drainage ditch. This flooding spreads onto the adjoining private property. Hazard and dead trees are leaning over half of the parking locations in the southern lot. These hazard trees prevent the public from using half the designated parking. To avoid parking in hazardous locations, the public parks on the grass in the access routes and blocks ingress and egress to the lot. Rutting is present and caused when trucks with trailers drive on the lawn to navigate the parking lot. The project is to cut and remove trees to allow the drainage ditch to be repaired/maintained, remove the associated stumps, and repair the ditch line to restore its function in draining water from the parking area. We will also gravel the edges of the parking area to reduce soil erosion from vehicle rutting. This parking area will maintain a stable surface with minimal maintenance and allow safe and unencumbered parking for its designed number of vehicles. The final condition will maximize environmental protection, user safety, function and enjoyment.

Description of Project Specifications

Access to the southern parking lot drainage ditch is blocked by overgrown vegetation and has silted in. This established ditch drains towards private property where it enters a hardened drainage structure. The portion of the ditch on state land has not been maintained and is no longer functioning as designed. Many of the trees proposed to be cut overhang the parking area and drop branches on cars/trucks and boats. These parking locations are undesirable to users since they pose a potential safety risk for users themselves and their expensive equipment. The loss of half of the parking locations in the southern lot results in premature overflow and parking in undesired locations. These undesired parking, leads to traffic issues and other problems with the safe use of the parking area.

Trees and vegetation will be cut between the pavement and split rail fence to repair/maintain the drainage ditch. The area between the pavement and fence varies in width but is generally less than 15-feet-wide and runs parallel to the long edge of the paved parking area. Gravel will be installed along the edges of both the Northern and Southern parking areas, as needed, to reduce soil erosion from vehicle rutting.

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

The purpose of this project is to mitigate and minimize impacts of an existing facility.

A.) The project includes the removal of 121 trees larger than three inches diameter at breast height, and 385 trees between one inch and three inches in diameter at breast height. The removal of all of these trees is necessary for proper ditch maintenance and function. See tree tally below.

State Land Tree Tally																
Project: Peru Dock																
State Land Unit: Lake Champlain Islands, Peru Dock Intensive Use Area																
County: Clinton											Town: Peru					
Date Talled: 4/5/22																
Talled By: D. Levy																
Species	Diameter (inches)															Total
	1-3	4	6	8	10	12	14	16	18	20	22	24	26	28		
Ash		13	20	9	8	2									52	
Maple		4	4	3	1										12	
Boxelder		13	6		2										21	
Oak		5	1	2											8	
Aspen		2				1									3	
Cherry		6													6	
Hickory		1	1												2	
Elm		14	3												17	
Total	385	58	35	14	11	3	0	0	0	0	0	0	0	0	506	

B.) The earthwork for this project will be concentrated on the southern side of the south parking lot. Excavation equipment will be used to remove the stumps and clean siltation and organic materials from the ditch. This ditch directs runoff from the adjacent State highway and adjoining properties away from the parking lot. The edges of the parking areas will be graveled at critical locations to reduce erosion caused by vehicle encroachment and rutting on the grass.

C.) This project will reduce erosion from water runoff and reduce sediment dispersal across the parking area. The maintenance of the existing ditch will contain the water within the hardened drainage features, reducing impacts to water resources.

D.) There are no rare, threatened, or endangered species documented within 0.25-mile of the project location.

Analysis of Project Location and Design Alternatives

This project is proposed to maintain an established parking lot, which in this case, requires the maintenance of a drainage ditch and graveling at the edges where vehicles commonly encroach on the grass. The tree cutting, and earthwork are required to maintain the facility.

The ditch maintenance could be completed by pruning the trees on a biannual basis to facilitate hand cleaning the ditch as needed. Even with pruning, it is likely that many of the trees will fall in the

parking lot, so the option of contracting with a company to prune the trees will not remove the imminent tree hazards from the parking spots during storm events. These options are not the proposed option since they will not solve the current problem of needing the vegetation removed and ditch cleaned to establish a baseline which may be maintained moving forward.

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

The project will require the use of chainsaws, a chipper, dump trucks, and earthmoving equipment like an excavator, loader, or skid steer. The work will be in a parking lot and a portion of the boat launch site, both of which are classified as intensive use area.

Description of Applicable Standards for Accessibility by People with Disabilities

The parking lot is currently accessible. This work will not modify the accessibility, but rather help protect the condition of the parking lot, including its accessibility.

Other Relevant Considerations

None

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Date: 3/14/2023

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"/>		
	Tree Cutting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	D. Levy	Approved as part of this work plan.
	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 type="checkbox"/>	<input checked="" type="checkbox"/>		
	Corps. of Engineers	<input type="checkbox"/>	<input checked="" 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"/>			

Peru Dock BLS Parking



100 50 0 100 Feet

D. Levy 7/10/23