2018 Amendment to the 1986 Olympic Sports Complex at Mt. Van Hoevenberg Unit Management Plan and Draft Generic Environmental Impact Statement (Public Draft)

NEW YORK STATE OF OPPORTUNITY.

Olympic Regional Development Authority

May 2018

2018 Amendment to the 1986 Olympic Sports Complex at Mt. Van Hoevenberg Unit Management Plan and Draft Generic Environmental Impact Statement
Town of North Elba, Essex County, NY

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Date of Acceptance of FGEIS: _____

Submitted: May 9, 2018

EXECUTIVE SUMMARY

I. INTRODUCTION

This draft 2018 Unit Management Plan (UMP) Amendment for Mt. Van Hoevenberg Intensive Use Area has been prepared in accordance with the Adirondack Park State Land Master Plan (APSLMP or SLMP), addresses changes to the 1986 UMP and the 1999 UMP Amendment thereto, and adds several new management actions. This draft 2018 UMP Amendment reviews the status of the 1986 and 1999 management actions and identifies those management actions that have been completed, those that are pending, and those that are to be modified or abandoned through this 2018 UMP Amendment. Previous UMP documents are incorporated by reference into this document.

Section 816 of the Adirondack Park Agency Act directs the New York State Department of Environmental Conservation (DEC) to develop, in consultation with the New York State Adirondack Park Agency (APA), UMPs for each unit of land under its jurisdiction classified in the APSLMP. Concurrent with the development of UMPs is the preparation of an Environmental Impact Statement (EIS), which analyzes the significant impacts and alternatives related to each UMP. The New York State Olympic Regional Development Authority (ORDA), pursuant to its enabling law and agreement with the DEC for the management of the Olympic Sports Complex at Mt. Van Hoevenberg Center, has prepared this UMP Amendment in cooperation with DEC and in consultation with APA.

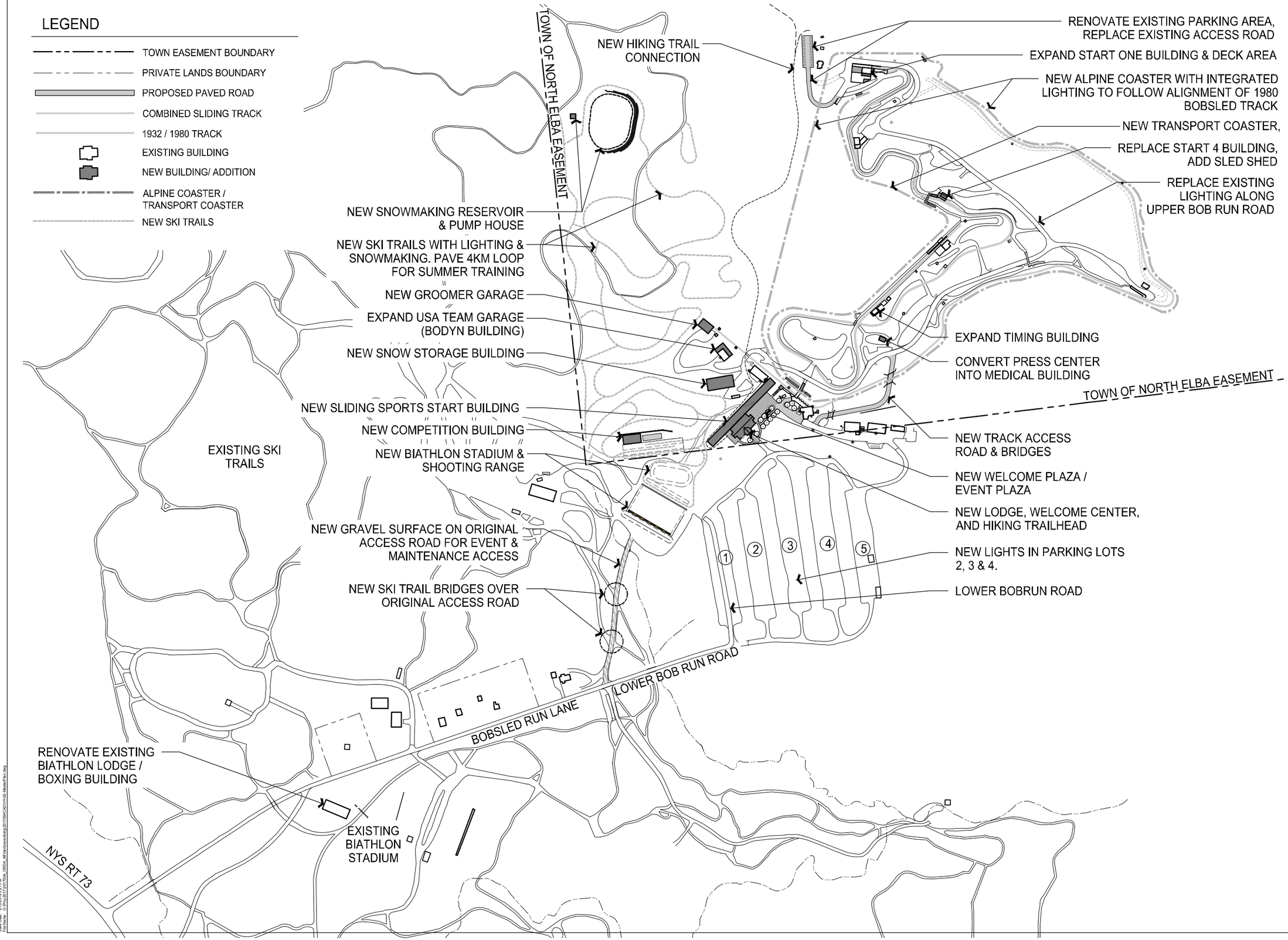
II. 2018 UMP AMENDMENT MANAGEMENT ACTIONS

New management actions are identified and analyzed in this 2018 UMP Amendment. The potential environmental impacts and the attendant proposed mitigation measures for any new or modified management actions are also identified and discussed. The potential impacts and the identified mitigation measures for the previously approved UMP management actions remain in effect and will not be repeated here, but are incorporated by reference.

The following lists the New Management Actions that are the subject of this UMP Amendment and that can be undertaken after the UMP Amendment is adopted. See **Figure ES-1, Master Plan**.

1. Actions Proposed on Town Lands[1] (non-Forest Preserve lands)
   - Construct New Ski Trails with Lighting and Snowmaking
   - Construct New Sliding Sports Start Facility
   - Construct New Welcome Center/Base Lodge and Awards Plaza
   - Develop Trailhead, Parking and Hiking Trail Connection for Cascade and Porter

[1] The Town of North Elba sold a permanent easement to the State on NY in November 1965 for the purpose of developing, operating and maintaining a recreational area and facilities thereon.



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Date: March 16, 2018
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Design: MJT
Drawn: KMK
Chkd: KJF
Project No.: 2017004

Drawing No.: ES-1

Drawing Title: Master Plan

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MT. VAN HOEVENBERG

Project Title:
Mt. Van Hoevenberg Preliminary Draft 2018 Unit Management Plan
Amendment & Draft Generic Environmental Impact Statement

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Mountains, Mount Marcy and Mt. Van Hoevenberg (part of this action to occur on State Land)

- Construct New Snowmaking Reservoir
- Expand Start 1 Building and Deck
- Provide Structured Parking Adjacent to 1980 Start Building to Service Start 1 Building and Restructure Access Drive to Parking
- Replace Start 4 Building
- Expand Track Timing Building
- Expand USA Team Garage Building
- Construct New Snow Storage Structure Building
- Construct New Maintenance Building/Groomer Garage
- Convert Existing Press Building into Medical Building
- Construct New Road from Maintenance Area to Track Access Road, to Replace Existing Access Displaced by New Buildings
- Upgrade and Improve Existing Track Access Road Lighting Add New Fixtures Along Track Access Road from Lamee Lodge to Start 1 Building. Add New Lighting on New Road Connection Near Maintenance
- Construct New Alpine Coaster Including Lighting
- Construct New Transport Coaster or Funicular

2. Actions Proposed on State Lands (Forest Preserve Lands)

- Install Hiking Trail Connections
- Construct New Biathlon Stadium[2] Including Range, Bleachers and Timing/Competition Building
- Construct New On-site Wastewater Disposal System for Welcome Lodge
- Renovate Boxing Building at Existing Biathlon Stadium
- Redevelop Former Access Road Corridor from Bobsled Lane to Cross-country Parking Lot

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[2] A nordic competition "stadium" is not the same type of facility as what many may envision when they hear the term "stadium" used for other sporting competition venues such as Yankee Stadium or Wembley Stadium. These other sporting competition venues consist of very large, constructed structures encircling a playing field and containing extensive seating and other spectator and competitor facilities.

Nordic "stadiums" are small, open-air, snow-covered grass areas that contain the competition start and finish lines, along with such things as timing/scoreboard facilities, also much smaller accommodations for spectators that are typically bleacher-like are positioned immediately adjacent to the stadium to provide the best possible visibility for spectators. Biathlon stadiums also include the shooting range and the ski penalty loop.

A new biathlon stadium is proposed to be constructed that will allow the facility to attract and host world class biathlon and cross country events. Events of this caliber are typically sanctioned by the International Biathlon Union (IBU) and/or by the International Ski Federation (FIS), and venues striving to host these events must have a trail network and stadium that meet specific criteria.

See Section IV.A.2.b of this UMP Amendment that fully describes the proposed biathlon stadium and provides photographs of other biathlon stadium facilities as examples.

to Replace Current Access to Cross-country Parking and Lodge
- Construct Two Ski Trail Bridges Over New Gravel Road to Cross-country Lot
- Install Lighting for Parking Lots 2, 3, and 4
- Develop Maintenance/Dredging Plan at North Meadow Brook Intake
- Construct two 8-feet wide ski trails around the private Steckler property that is within the Intensive Use Area.

These management actions are discussed in the context of existing resources, facilities and use (Section 2) and ORDA's Management and Policy when it comes to the Mt. Van Hoevenberg Intensive Use Area (Section 3). The management actions themselves are described in detail in Section 4.

An introductory section (Section 1) first gives an overview of project purpose, a general facility description, the history of the Olympic Sports Complex, a description of the UMP/GEIS process and a summary update of the status of actions contained in previous UMPs.

III. SEQRA PROCESS

ORDA, as the Agency responsible for undertaking the actions in this 2018 UMP Amendment/DGEIS, completed a New York State Environmental Quality Review Act (SEQRA) Full Environmental Assessment Form (FEAF)Parts 1, 2, and 3. Based on the analysis in Part 3 of the FEAF, ORDA determined that the Project may result in one or more significant adverse impacts on the environment, and this Environmental Impact Statement (EIS) must be prepared to further assess the impacts and possible mitigation and to explore alternatives to avoid or reduce these impacts.

The SEQRA aspects of this document are presented as a Generic Environmental Impact Statement (GEIS). A GEIS may be used to assess the environmental effects of a sequence of actions contemplated by a single agency or an entire program or plan having wide application (6NYCRR 617.10(a)(2) and (4)). They differ from a site specific EIS in that it applies to a group of common and related activities which have similar or related impacts. It is the intent of this GEIS to provide sufficient, site-specific information for all aspects of the UMP Amendment. In conformance with SEQRA, these related actions are being considered in this FGEIS. No additional SEQRA analyses are anticipated to be required for any new management action in this UMP Amendment, provided that such actions are carried out in accordance with the recommendations of this document. Conceptual actions contained in this UMP Amendment will be subject to future SEQRA analyses should they be pursued in the future.

A preliminary version of this UMP Draft Amendment/DGEIS was provided to NYSDEC and to the APA for their review on March 15, 2018. Comments from these agencies were received by ORDA, and ORDA revised the preliminary document accordingly. ORDA then declared this document to be complete for public review on May 9, 2018. This 2018 UMP Amendment/DGEIS is open for public comment until June 8, 2018 including a SEQRA public hearing scheduled for May 24, 2018 at 7:00 PM at the Lake Placid Conference Center.

Notice of ORDA's acceptance of the DGEIS, establishment of the public comment period, and directions for accessing this document were published in the May 9, 2018 issue of the Environmental Notice Bulletin.

This Public Draft UMP Draft Amendment/DGEIS is available online on ORDA's website at http://www.orda.org/corporate/corporate_environment.php. Hard copies of the document are available for review at ORDA offices in Lake Placid and the Town of North Elba Town Hall.

Part 3 of the FEAF identified those topics for which additional information was required within the GEIS. Primary concerns include steep slope soil erosion and water quality, water quality impacts and potential impacts historic resources. Potential impacts and mitigation measures for these topics and a range of other topics are discussed in detail in Section 5 of this UMP/DGEIS.

Section 6 considers alternatives to the new management actions including alternative biathlon stadium configurations, alternative snowmaking reservoirs, and alternative methods for maintaining the water intake on North Meadow Brook.

IV. CONFORMANCE WITH THE APSLMP

It is stated in Section I of the APSLMP that "In accordance with statutory mandate, all [unit management] plans will conform to the guidelines and criteria set forth in the master plan …."

The following is from the Intensive Use Area portion of Section II of the APSLMP and includes descriptions of how this UMP amendment conforms to the stated guidelines.

Guidelines for Management and Use

Basic Guidelines

1. *The primary management guideline for Intensive Use Areas will be to provide the public opportunities for family group camping, developed swimming and boating, downhill skiing, cross country skiing under competitive or developed conditions on improved cross country ski trails, visitor information and similar outdoor recreational pursuits in a setting and on a scale that are in harmony with the relatively wild and undeveloped character of the Adirondack Park.*

   The Mt. Van Hoevenberg Intensive Use Area will continue to provide opportunities for cross country skiing and similar outdoor recreational pursuits.

   There are no new management actions in this UMP Amendment that significantly change the current setting or scale of the facilities at Mt. Van Hoevenberg. All new management actions are proposed for the interior of the existing Olympic Sports Complex with the exception of the hiking trails connecting to adjacent Forest Preserve

lands in the High Peaks Wilderness Area. The proposed new ski trails are proposed on the part of the area located between existing ski trails and the combined track. New buildings are proposed in a cluster in the base area. Many management actions involve expansions or repurposing of existing buildings.

2. *All intensive use facilities should be located, designed and managed so as to blend with the Adirondack environment and to have the minimum adverse impact possible on surrounding State lands and nearby private holdings. They will not be situated where they will aggravate problems on lands already subject to or threatened by overuse, such as the eastern portion of the High Peaks Wilderness, the Pharaoh Lake Wilderness or the St. Regis Canoe Area or where they will have a negative impact on competing private facilities. Such facilities will be adjacent to or serviceable from existing public road systems or water bodies open to motorboat use within the Park.*

   All of the new management actions proposed in this UMP Amendment are proposed at elevations at or below existing development at the Olympic Sports Complex. As discussed in (1.) above, the proposed management actions consist of mostly infill development and expansions and adaptive reuse of existing facilities.

   All actions are located in the interior of the Intensive Use Area, removed from adjoining State and private lands. This UMP amendment is not proposing any significant enlargement of the Complex, so there is no potential for adversely affecting lands subject to or threatened by overuse or competing private facilities.

   The existing Mt. Van Hoevenberg Intensive Use area is located adjacent to the eastern portion of the High Peaks Wilderness Area. Nothing proposed in this UMP Amendment is expected to aggravate any problems on adjacent lands. To the contrary, this UMP Amendment proposes to alleviate some existing problems on adjacent lands by providing parking, trailhead and trail facilities on Intensive Use Area lands. By doing so, current issues associated with the NYS Route 73 parking, trailhead and access are being addressed in this UMP Amendment.

3. *Construction and development activities in Intensive Use Areas will:*

   -- avoid material alteration of wetlands;
   Impacts to wetlands have been avoided.
   -- minimize extensive topographic alterations;
   The only significant topographic alteration will be for construction of a snowmaking reservoir which will essentially be a “dug pond”.
   -- limit vegetative clearing;
   Vegetative clearing will be limited to Town easement lands and will be limited to only those areas needed to new construction. No tree cutting is proposed on Forest Preserve lands.
   and,

-- preserve the scenic, natural and open space resources of the Intensive Use Area.
See items 1 and 2 above.

4. *Day use areas will not provide for overnight camping or other overnight accommodations for the public.*

   No overnight accommodations, camping or otherwise, are proposed.

5. *Priority should be given to the rehabilitation and modernization of existing Intensive Use Areas and the complete development of partially developed existing Intensive Use Areas before the construction of new facilities is considered.*

   The actions contained in this UMP amendment are for the improvement and modernization of the existing Mt. Van Hoevenberg Intensive Use Area.

6. *Additions to the intensive use category should come either from new acquisitions or from the reclassification of appropriate wild forest areas, and only in exceptional circumstances from wilderness, primitive or canoe areas.*

   No such additions are contemplated in this UMP Amendment.

7. *Any request for classification of a new acquisition or reclassification of existing lands from another land use category to an Intensive Use Area will be accompanied by a draft unit management plan for the proposed Intensive Use Area that will demonstrate how the applicable guidelines will be respected.*

   No such requests are contemplated in this UMP Amendment.

8. *No new structures or improvements at any Intensive Use Area will be constructed except in conformity with a final adopted unit management plan for such area. This guideline will not prevent the ordinary maintenance, rehabilitation or minor relocation of conforming structures or improvements.*

   None of the new management actions proposed in this UMP Amendment will be constructed unless and until they are included in the Final UMP Amendment adopted by NYSDEC.

9. *Since the concentrations of visitors at certain intensive use facilities often pose a threat of water pollution, the State should set an example for the private sector by installing modern sewage treatment systems with the objective of maintaining high water quality. Standards for the State should in no case be less than those for the private sector and in all cases any pit privy, leach field or seepage pit will be at least 150 feet from the mean high water mark of any lake, pond, river or stream.*

   The new in-ground wastewater treatment proposed for the new Base Lodge/Welcome

Center is located at least 500 feet away from the stream that runs between parking lot 6 and the cross-country stadium.

10. *Any new, reconstructed or relocated buildings or structures located on shorelines of lakes, ponds, rivers or major streams, other than docks, primitive tent sites not a part of a campground (which will be governed by the general guidelines for such sites set forth elsewhere in this master plan) boat launching sites, fishing and waterway access sites, boathouses, and similar water related facilities, will be set back a minimum of 150 feet from the mean high water mark and will be located so as to be reasonably screened from the water body to avoid intruding on the natural character of the shoreline and the public enjoyment and use thereof.*

    No new buildings or structures are proposed near any shorelines.

V. IMPACT ANALYSIS

A. Vegetation

All of the new management actions proposed in this UMP Amendment will occur in the Northern Hardwood community.

In summary, the following acreages of wooded areas will be affected:

- New Ski Trails: 9 acres
- Alpine Coaster: <2 acres
- New Buildings: 1/2 acre

Total: <11.5 acres

Tree cutting is proposed on less than 1% of the Intensive Use Area, and falls within the capacity of the resource to absorb the impact.

All tree cutting will occur on Town Easement lands. No tree cutting is proposed on Forest Preserve lands.

No rare, threatened or endangered plant species will be impacted.

Only areas absolutely necessary for construction of the proposed management actions will be cleared of vegetation. All other areas will be maintained in a natural state.

Erosion control measures will be used on cleared areas with disturbed soils to avoid affecting adjacent vegetation by erosion or siltation.

Upon the completion of clearing of new ski trails, they will be seeded with grass mixtures to promote rapid revegetation. Areas disturbed for any other improvements will also be

landscaped and revegetated as soon as practicable.

Plants used to revegetate disturbed areas and planted as part of landscaping will be species indigenous to the region.
Efforts to identify and eradicate invasive species in the Unit will continue.

B. Water and Wetland Resources

A formalized plan for maintenance dredging for the water intake on North Meadow Brook that supplies the water for the combined track is included in this UMP Amendment. The plan includes hydraulic dredging with return flow. A pump around would be used to reduce the water level in the dredge area to below the weir elevation. Water would be pumped to just downstream of the weir to maintain downstream flow. The following measures are proposed to mitigate potential impacts associated with dredging activities.

1. Regardless of the method of dredging to be employed, dredging should take place during periods of low stream flow, typically in the fall.

2. A pump shall be used to reduce streamflow so that water does not flow over the weir during sediment removal. The pump intake shall be located far enough upstream of the sediment removal so as to not pump any turbid water.

3. Water shall be pumped to a point immediately downstream of the weir in order to maintain downstream flows.

4. The pump discharge shall be to an area of stable streambed not susceptible to scouring from the pump discharge.

5. Pumping shall continue after dredging is complete and shall be stopped only when there is no visible difference in turbidity in the dredge area and downstream of the weir.

6. For mechanical dredging, dredge material shall be placed in trucks with sealable gates, and moved to a dewatering area removed from any surface waters or wetlands.

7. For hydraulic dredging, materials shall be pumped to closed geotextile bags, tubes or other containers. Return flow to the brook shall only be allowed if the return flow does not result in a visible change in turbidity within the brook.

8. Full geotextile containers shall be removed from the vicinity of the brook before material is removed from the containers. Removed materials should be suitably stabilized by vegetative or other means.

9. Machinery should be regularly maintained and checked frequently for fluid leaks. Any machine found to have even a minor fluid leak shall be removed to a remote area for repairs.

10. Machinery operating in the vicinity of streams shall be equipped with spill control materials including absorbent pads.

11. Mobile equipment shall be refueled a minimum of 100 feet from the brook.

12. Stationary equipment, such as pumps, shall be placed a minimum of 20 feet from the brook and shall be placed on fuel-resistant, impervious material (i.e. tarps).

13. Pump refueling shall make use of tight fuel containers and funnels.

14. Absorbent pads shall be available in immediate proximity of pumps and be used in the event of any spill, regardless of quantity.

No management actions are proposed within or adjacent to wetlands.

C. Soils and Geology

The soils in the areas of proposed management actions vary in their erosion potentials and in their depths to bedrock.

Activities in upper elevation areas such as the upper portions of the proposed ski trails and the alpine coaster will occur in soils with severe erosion potential. To the north and at the middle elevations soils have mostly moderate erosion potentials. The soils at the lowest elevations, such as Monadnock, have slight erosion potentials.

Disturbance of areas of steep slopes during construction can lead to an increased vulnerability of the soils to erosion. Suitable measures must be implemented to first prevent soil erosion and then, second, to make sure that any soils that are eroded are contained and prevented from causing sedimentation in receiving waters.

ORDA is familiar with implementing proper erosion and sediment control practices when undertaking construction practices at their venues that oftentimes involve construction on steep slopes. These proper practices are set forth in the New York State Standards and Specifications for Erosion and Sediment Control (last updated November 2016). These standards and specifications will be used to develop Stormwater Pollution Prevention Plans (SWPPPs) for construction activities in accordance with NYSDEC's SPDES General Permit for Stormwater Discharge from Construction Activity GP-0-15-002.

SWPPPs will detail those measures that will be implemented during construction to mitigate potential soil erosion and surface water sedimentation. SWPPP content will include such things as construction sequencing and phasing, temporary and permanent stabilization, structural erosion control practices and vegetative control practices. SWPPs will include requirements for monitoring, inspections, data collection, and compliance documentation.

Section V.A.3 provides a lengthy and detailed description of mitigation measures that ORDA commonly and successfully employs during construction activities that will be incorporated into pre-construction SWPPP plans and specifications, and installed, monitored and maintained during construction until soils become stabilized.

Shallow depth to bedrock may be encountered when excavating the proposed snowmaking reservoir. Should blasting be required, ORDA will employ the services of a professional, licensed and insured blasting company to perform any needed blasting. Blasters in New York State are required to possess a valid NY State Department of Labor issued Explosive License and Blaster Certificate of Competence. The Explosives License permits the licensee to purchase, own, possess or transport explosives. The Blaster Certificate of Competence permits the use of explosives.

If it is determined that blasting will be required, a written blasting plan will be developed and approved prior to the commencement of blasting. In general, the blast plan will contain information about the blasting methods to be employed, measures to be taken to protect the safety of the public, and how the applicable rules and regulations will be complied with. If, during the evolution of the project, there are significant changes in the blast design, a new blast plan will be required.

See Section V.A.2 for a full description of all of the measures ORDA will implement to mitigate potential impacts from any blasting that may be required.

D. Visual Resources

Locations with potential views into the Intensive Use Area identified in the 1999 UMP Amendment were revisited and photographed for this UMP Amendment. Views into the existing combined track are possible from the NYS Route 86 scenic vista overlooking the Lake Placid golf course and the parking Lot of the Crowne Plaza Hotel. Both of these vantage points are slightly more than 5 miles away. Closer in, from Adirondack Loj Road, there are some breaks in the tree line visible when there is snow cover, but none of the facilities are evident. For the 1999 UMP amendment, there was a view into the facility from the observation deck at the 90m ski jump at the Olympic Jumping Complex. Since that time, the foreground vegetation has grown sufficiently tall that it now blocks the view from that location. None of the proposed management actions will increase the visibility of the facility. Lights at the facility are visible at night from the same locations. New lighting is proposed in wooded areas for the new ski trails and along the alpine coaster. New lighting is also proposed in some of the parking lots at the base of the facility. It is not expected that this additional lighting will increase the night visibility of the facility. Replacement of access road lighting with new cutoff fixtures can potentially reduce the amount of light visible from off-site.

E. Fish and Wildlife

No rare, threatened or endangered species are known to occur on the site. No significant habitats are known to occur on the site.

Construction of the management actions proposed in this UMP Amendment will affect less than 1% of the site's vegetation. Proposed management actions are generally located within the perimeter of current development on the site and do not extend the perimeter of disturbance.

The proposed maintenance dredging in the area of the existing water intake on North Meadow Brook has the potential for impacting water quality and aquatic communities. This UMP Amendment/DGEIS includes a list of measures that will be implemented during the maintenance dredging in order to mitigate potential impacts to water quality and aquatic communities.

F. Air Quality

None of the proposed management actions will be a significant source of air emissions.

G. Noise

Sources of noise associated with the new management actions in this UMP Amendment are shooting at the new biathlon stadium and from the proposed snowmaking operations on the new ski trails.

Section V.A.7 provides the levels of noise that are expected to be produced and the sound levels that can be expected at adjacent lands including the NYS Route 73 corridor, the private lands between the Intensive Use Area and NYS Route 73 and in the High Peaks Wilderness at the nearby summit of Mt. Van Hoevenberg. Assessment of 10 simultaneous .22 caliber rifle shots at the biathlon range showed that noise levels will be at imperceptible levels at surrounding locations. Assessment of multiple snowmaking guns in operation found that noise levels at surrounding locations would be at "quiet" levels according to DEC guidelines for assessing and mitigating noise impacts.

H. Transportation

No significant impacts to transportation are anticipated. The proposed management actions will not increase the facility's spectator capacity for large events that are the generators of peak levels of traffic. Overall visitation is likely to increase, but these visits will be spread over time and will not be concentrated at a peak time.

I. Community Services and Utilities

There will be some increase in demand for community services such as fire, EMS, police, rescue,

solid waste and health care. However, Mt. Van Hoevenberg presently makes little demand on such services and the increase in such demand is anticipated to be minimal.

There will be an increase in demand for electrical power associated with the proposed actions. Existing electrical infrastructure is adequate to meet the increased demand. Mt. Van Hoevenberg has its own water supply and wastewater disposal systems. There will be no increase in demand for these utilities.

J. Local Land Use Plans

The actions in this UMP Amendment are consistent with local, regional and ORDA efforts to enhance an attractive year-round day use recreation area.

K. Economics

There are several economic impacts that are directly related to the UMP. These include pre-construction spending for professional services, construction spending related to labor and supplies for constructing the proposed actions, and operation spending by skiers for tickets, lodging, equipment rental and meal purchases on and off the site and payroll spending for new operations and vendor employees.

A multiplier effect will occur for revenues that are produced on the site and later off the site. This traditionally includes short-term (5 years) construction spending and long-term operational spending as well. Multipliers have been developed for all industries by the US Department of Commerce. They are used to predict the direct and indirect economic impacts generated by each spending sector. Direct economic impacts refer to additional revenues received from the Complex from construction and from Sports Complex users themselves. Indirect impacts include the additional purchases made by the recreational facility from other businesses to satisfy the additional demand, and induced impacts are produced from new spending of persons employed in the ski and off-season recreational industry. Each new dollar that is spent actually "turns over" causing additional dollars to be spent to satisfy a new demand. Generally, every dollar spent in the construction and operational phase generates approximately an additional two dollars of spending, thereby tripling the total economic impact.

L. Historical and Archaeological Resources

Potential impacts to the Historic Register-listed 1932/1980 bobsled track were reviewed with NYS Office of Parks Recreation and Historic Preservation (OPRHP). OPRHP determined that the project would not adversely impact the historic track as long as two mitigative measures were put into place.

1. The proposed interpretive signage program outlined in **Appendix 4** will be implemented within one year of the opening of the alpine coaster.

2. ORDA will establish a plan for ongoing routine maintenance and stabilization of the 1932/1980 track as needed as part of their overall maintenance at this facility. This plan will be developed in consultation with DEC and OPRHP.

ORDA is committed to implementing these measures.

VI. ALTERNATIVES ANALYSIS

Section 6 of this UMP Amendment discusses alternatives that were considered for the route of alpine coaster, the configuration of the biathlon stadium, the location of the snowmaking reservoir, the methods for maintenance dredging at the North Meadow Brook intake, and the configuration of a trailhead/shuttle. Section 6 provides the rationale for the selection of the preferred alternatives proposed in this UMP Amendment/DGEIS.

Olympic Sports Complex at Mt. Van Hoevenberg (Public Draft)
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Draft Generic Environmental Impact Statement

Executive Summary

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AADT	**average annual daily traffic**
ALS	**advanced life support**
APA	**NYS Adirondack Park Agency**
APSLMP	**Adirondack Park State Land Master Plan**
ATV	**all-terrain vehicle**
Cfs	**cubic feet per second**
DEC	**NYS Department of Environmental Conservation**
EIS	**environmental impact statement**
F	**degrees Fahrenheit**
FEAF	**full environmental assessment form**
FIS	**Federation Internationale de Ski (International Ski Federation)**
GEIS	**generic environmental impact statement**
IBU	**International Biathlon Union**
In.	**inches**
Leq	**equivalent continuous sound level**
MOU	**memorandum of understanding**
NPS	**net promoter score**
OPRHP	**NYS Office of Parks Recreation and Historic Preservation**
ORDA	**NYS Olympic Regional Development Authority**
SEQRA	**NY State Environmental Quality Review Act**
SLMP	**State Land Master Plan**
SWPPP	**stormwater pollution prevention plan**
UMP	**unit management plan**

USDA NRCS United States Department of Agriculture Natural Resource Conservation Service

SECTION I INTRODUCTION

A. Project Purpose

The New York State Olympic Regional Development Authority (ORDA), in conjunction with the New York State Department of Environmental Conservation (DEC), is amending the 1986 Unit Management Plan (UMP) and Generic Environmental Impact Statement (EIS) for the Olympic Sports Complex at Mt. Van Hoevenberg, Town of North Elba, Essex County, New York. This document serves as an amendment to that 1986 UMP. As an amendment to the 1986 UMP, this document will discuss new proposed actions and changes to actions which have been previously approved, will include any new information relating to new and changed actions such that it satisfies NY State Environmental Quality Review Act (SEQRA) requirements, and will refer to the previously accepted and approved UMP/EIS for sections which have not changed as a result of this UMP Amendment. The document is organized so that it generally follows the sequence of the 1986 UMP.

ORDA's goals for the Olympic Sports Complex at Mt. Van Hoevenberg will be advanced through the actions contained in this UMP Amendment. Included in these goals are the following:

- The Olympic Sports Complex will offer quality year-round recreational/competition programs on publicly owned lands for the benefit and enjoyment of the people of New York State, the United States and the international sports community.

- The Olympic Sports Complex will be an economic catalyst to strengthen the private sector and local government economies.

- The Olympic Sports Complex will seek to improve the quality of facilities at the Complex in order to continue to attract competitive and recreational athletes from New York State, the United States and the international sports community, in order that public use may better help promote the economy of the area.

- The Olympic Sports Complex will seek to improve its economic return by making the mountain more attractive to professional athletes and recreators, and thus increasing ticket sales.

- The Olympic Sports Complex will seek to develop new summer and other off-season events to provide greater year-round use of the facility by the public, consistent with Article XIV and the APSLMP.

- The Olympic Sports Complex will seek to improve skier experience by providing snowmaking and night lighting on certain ski trails.

- ORDA will seek to establish the Olympic Sports Complex as an international caliber facility for competitive events in bobsled, luge, biathlon and cross-country skiing meeting international standards for competition.

- The Olympic Sports Complex will protect the natural resource base in accordance with environmental conservation laws and all other applicable laws and regulations of the State of New York. Management will accomplish this by maintaining an on-going dialogue with the DEC and APA on matters of environmental concern.

- The Olympic Sports Complex management will seek to establish annual budgets and schedules in support of the proposed capital improvements plan and other management objectives.

- The Olympic Sports Complex will seek to improve equipment reliability in order to reduce the frequency of breakdown, associated staffing requirements and consequent financial drain.

- The Olympic Sports Complex will seek to reduce its operations and maintenance costs by replacing outdated and aged equipment.

B. Brief Overview

The Olympic Sports Complex at Mt. Van Hoevenberg currently benefits winter visitors and competitive athletes involved in bobsledding, luge, skeleton, cross-country skiing and biathlon sporting activities. It is maintained as a sports facility meeting international standards under developed and competitive conditions. Summer visitors at Mt. Van Hoevenberg can mountain-bike and hike on the cross-country and biathlon trails, use the biathlon target range, ride bobsleds and luges, visit the International Sliding Sports Museum, participate in an interactive natural history series, and tour the Complex.

ORDA's overall purpose for the Olympic Sports Complex at Mt. Van Hoevenberg is to institute comprehensive activities utilizing the Complex to ensure optimum year-round use and enjoyment of the facilities to the economic and social benefit of the Olympic region. It is also intended to extend opportunity to improve the physical fitness, athletic education and recreational education of the people of New York State and the United States. Management goals and objectives are specified in Section 3 of this UMP Amendment.

Management actions proposed through this UMP Amendment include the following:

Proposed Actions on Town Easement Property:

- Construct New Ski Trails with Lighting and Snowmaking
- Construct New Sliding Sports Start Facility

- Construct New Welcome Center/Base Lodge and Awards Plaza
- Develop Trailhead, Parking and Hiking Trail Connection for Cascade and Porter Mountains, Mount Marcy and Mt. Van Hoevenberg (part of this action to occur on State Land)
- Construct New Snowmaking Reservoir
- Expand Start 1 Building and Deck
- Provide Structured Parking Adjacent to 1980 Start Building to Service Start 1 Building and Restructure Access Drive to Parking
- Replace Start 4 Building
- Expand Track Timing Building
- Expand USA Team Garage Building
- Construct New Snow Storage Structure Building
- Construct New Maintenance Building/Groomer Garage
- Convert Existing Press Building into Medical Building
- Construct New Road from Maintenance Area to Track Access Road, to Replace Existing Access Displaced by New Buildings
- Upgrade and Improve Existing Track Access Road Lighting Add New Fixtures Along Track Access Road from Lamee Lodge to Start 1 Building. Add New Lighting on New Road Connection Near Maintenance
- Construct New Alpine Coaster Including Lighting
- Construct New Transport Coaster or Funicular

Proposed Actions on State Forest Preserve Lands:

- Install Hiking Trail Connections
- Construct New Biathlon Stadium[3] Including Range, Bleachers and Timing/Competition Building
- Construct New On-site Wastewater Disposal System for Welcome Lodge
- Renovate Boxing Building at Existing Biathlon Stadium
- Redevelop Former Access Road Corridor from Bobsled Lane to Cross-country Parking Lot to Replace Current Access to Cross-country Parking and Lodge

[3] A nordic competition "stadium" is not the same type of facility as what many may envision when they hear the term "stadium" used for other sporting competition venues such as Yankee Stadium or Wembley Stadium. These other sporting competition venues consist of very large, constructed structures encircling a playing field and containing extensive seating and other spectator and competitor facilities.

Nordic "stadiums" are small, open-air, snow-covered grass areas that contain the competition start and finish lines, along with such things as timing/scoreboard facilities, also much smaller accommodations for spectators that are typically bleacher-like are positioned immediately adjacent to the stadium to provide the best possible visibility for spectators. Biathlon stadiums also include the shooting range and the ski penalty loop.

A new biathlon stadium is proposed to be constructed that will allow the facility to attract and host world class biathlon and cross country events. Events of this caliber are typically sanctioned by the International Biathlon Union (IBU) and/or by the International Ski Federation (FIS), and venues striving to host these events must have a trail network and stadium that meet specific criteria.

See Section IV.A.2.b of this UMP Amendment that fully describes the proposed biathlon stadium and provides photographs of other biathlon stadium facilities as examples.

- Construct Two Ski Trail Bridges Over New Gravel Road to Cross-country Lot
- Install Lighting for Parking Lots 2, 3, and 4
- Develop Maintenance/Dredging Plan at North Meadow Brook Intake

See Section 4 for a description of all management actions proposed in this UMP Amendment.

C. General Facility Description

The Mt. Van Hoevenberg lands, classified as an Intensive Use Area under the Adirondack Park State Land Master Plan, total 1593.8 acres as shown on **Figure 1, Intensive Use Area Boundary.**

1. Location of Property

The Olympic Sports Complex at Mt. Van Hoevenberg is located in the Adirondack Park approximately seven miles southeast of the Village of Lake Placid off NY Route 73 in the Town of North Elba, Essex County, as shown on **Figure 2, Regional Location Map.** A paved access road (NY Route 913Q) about one mile long leads southwest from NY Route 73 to the heart of the area, as shown on **Figure 3, Site Location Map.** The Complex is also accessible from two hiking trails, the Mr. Van Trail and the Mt. Van Hoevenberg Trail, which lead into the High Peaks Wilderness Area located to the south of the Olympic Sports Complex.

2. Property Description

The Olympic Sports Complex at Mt. Van Hoevenberg is classified as an Intensive Use Area under the Adirondack Park State Land Master Plan and is comprised of 1593.8 acres. New York State title to this acreage is divided into three types as shown on **Figure 4, Land Ownership**.

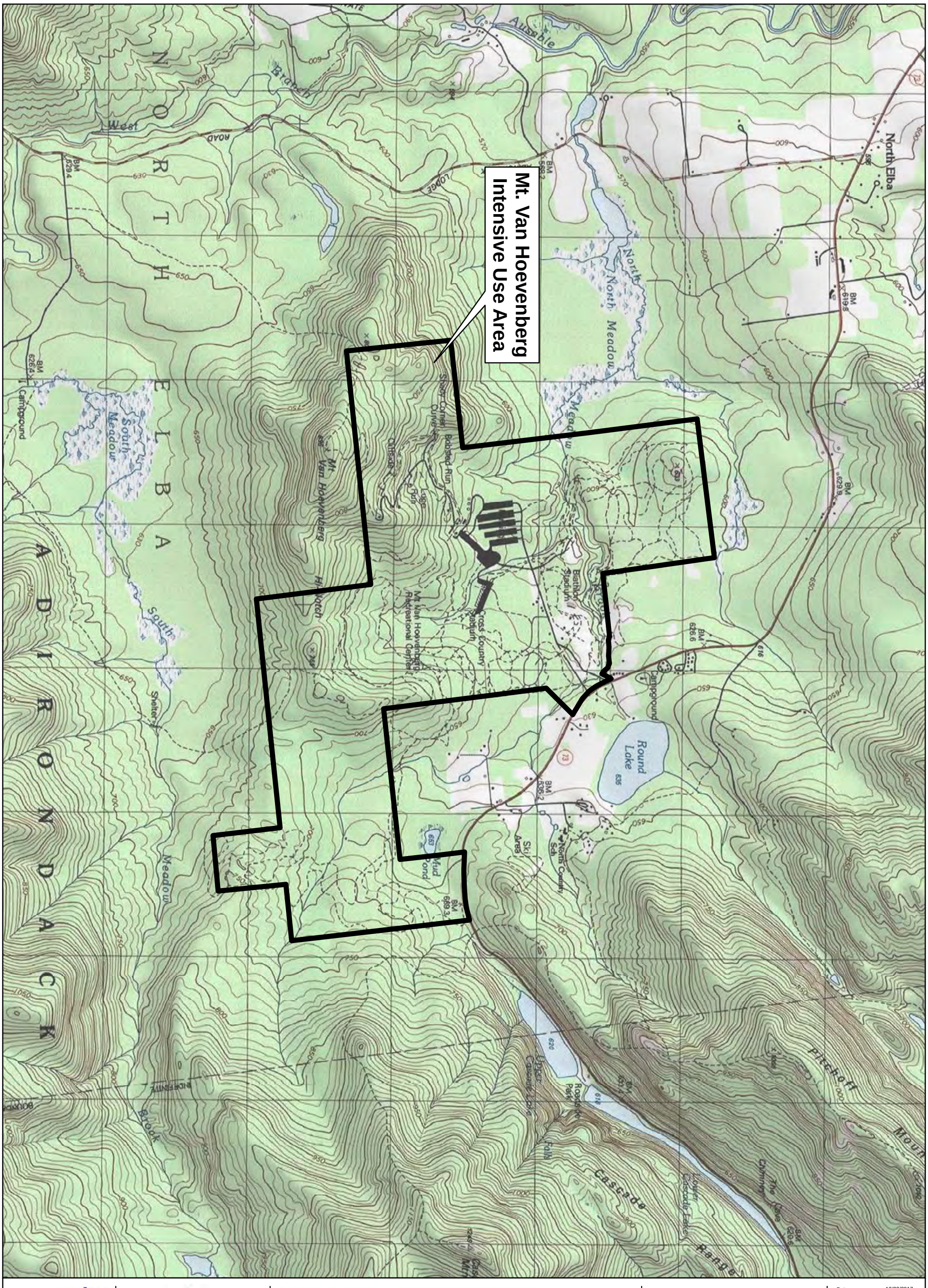
a. Forest Preserve

Lands acquired as Forest Preserve and managed according to Article XIV of the State Constitution amount to 1270.35 acres**.** This includes lands purchased by the State under the 1960 and 1962 Park and Recreation Land Acquisition Bond Acts which were acquired to allow special recreational uses and comprises some 352.58 acres.

b. Permanent Easement

By deed dated November 18, 1965, the State purchased from the Town of North Elba a permanent easement covering 323.45 acres. This easement was acquired for the purpose of developing, operating and maintaining a recreational area and facilities thereon. These lands are not Forest Preserve lands[4].

[4] Because these lands within the Intensive Use Area are not Forest Preserve lands, the land use restrictions imposed by Article XIV of the NYS Constitution are not applicable.



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Olympic Regional Development Authority
2634 Main Street
Lake Placid, New York 12946

MT. VAN HOEVENBERG

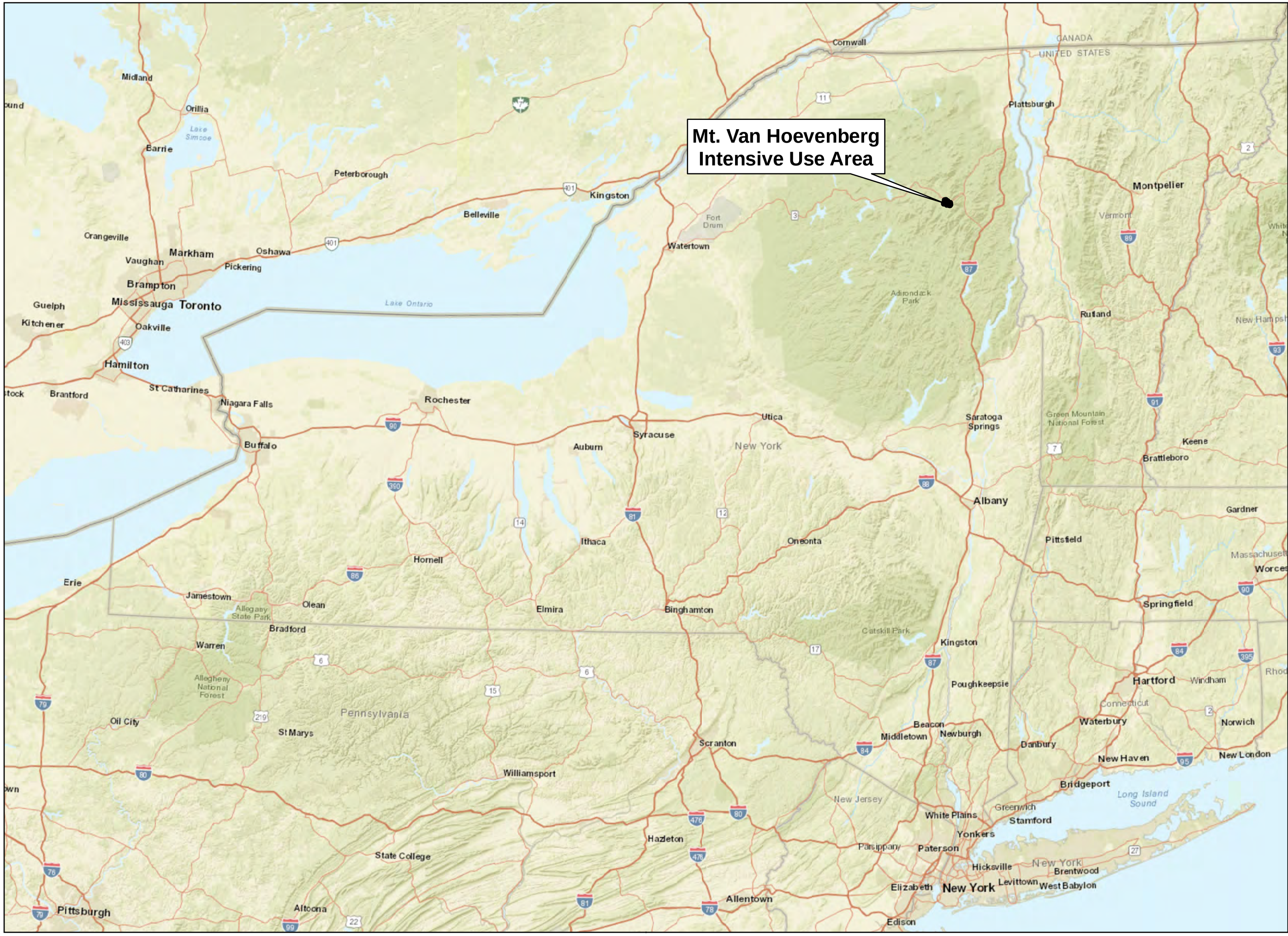
Mt. Van Hoevenberg Preliminary Draft 2018
Unit Management Plan Amendment
& Draft Generic Environmental Impact Statement

Intensive Use Area Boundary

1 inch = 2,000 feet
0 1,000 2,000
Feet

Date: 12/22/2017
Project No: 2017004

Drawing No:
1



Date: 12/22/2017
Project No: 2017004

Drawing No: 2

Regional Location Map

0 15 30 Miles

MT. VAN HOEVENBERG

Mt. Van Hoevenberg Preliminary Draft 2018
Unit Management Plan Amendment
& Draft Generic Environmental Impact Statement

Prepared for:

OLYMPIC REGIONAL DEVELOPMENT AUTHORITY

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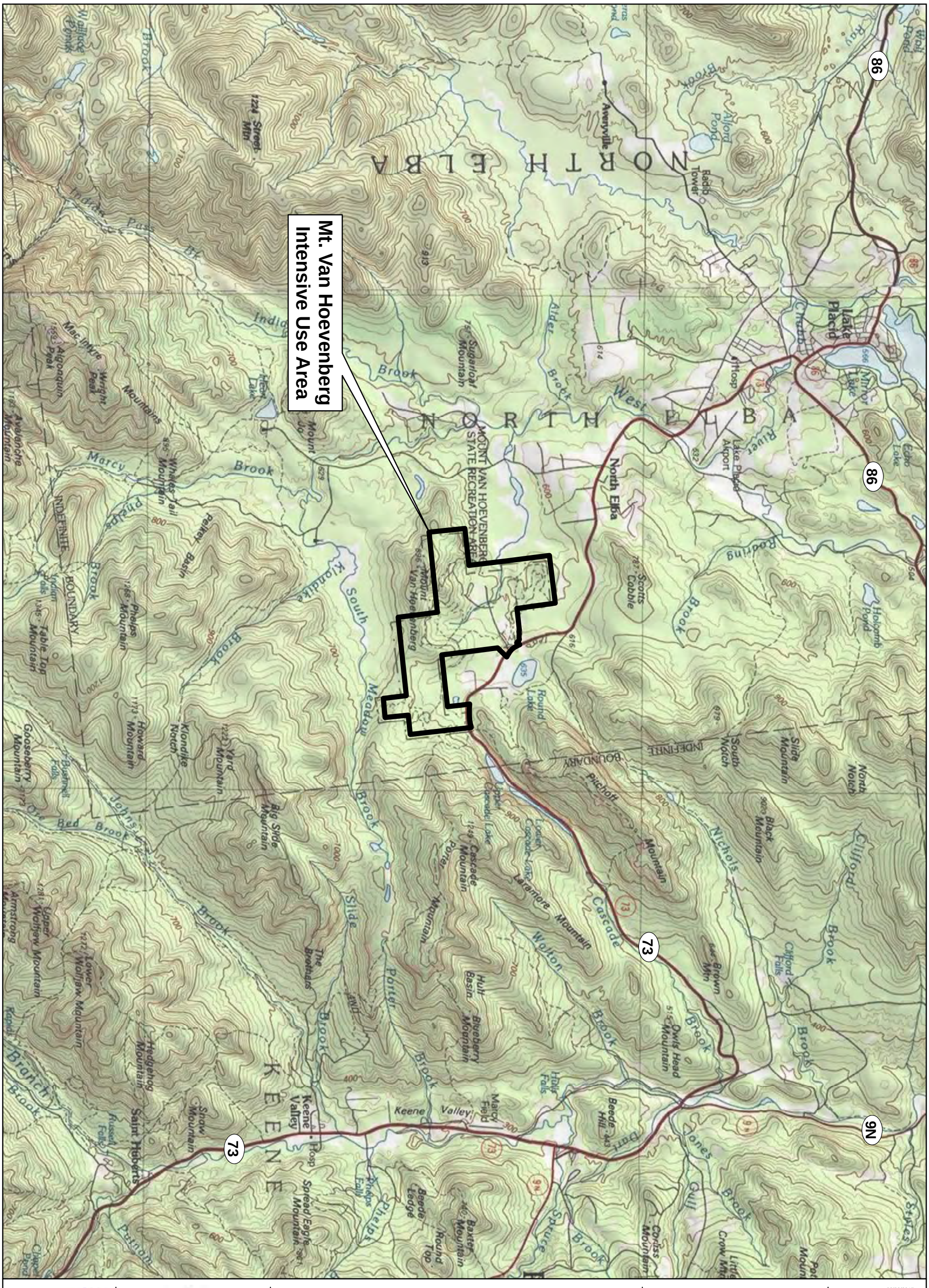

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MT. VAN HOEVENBERG

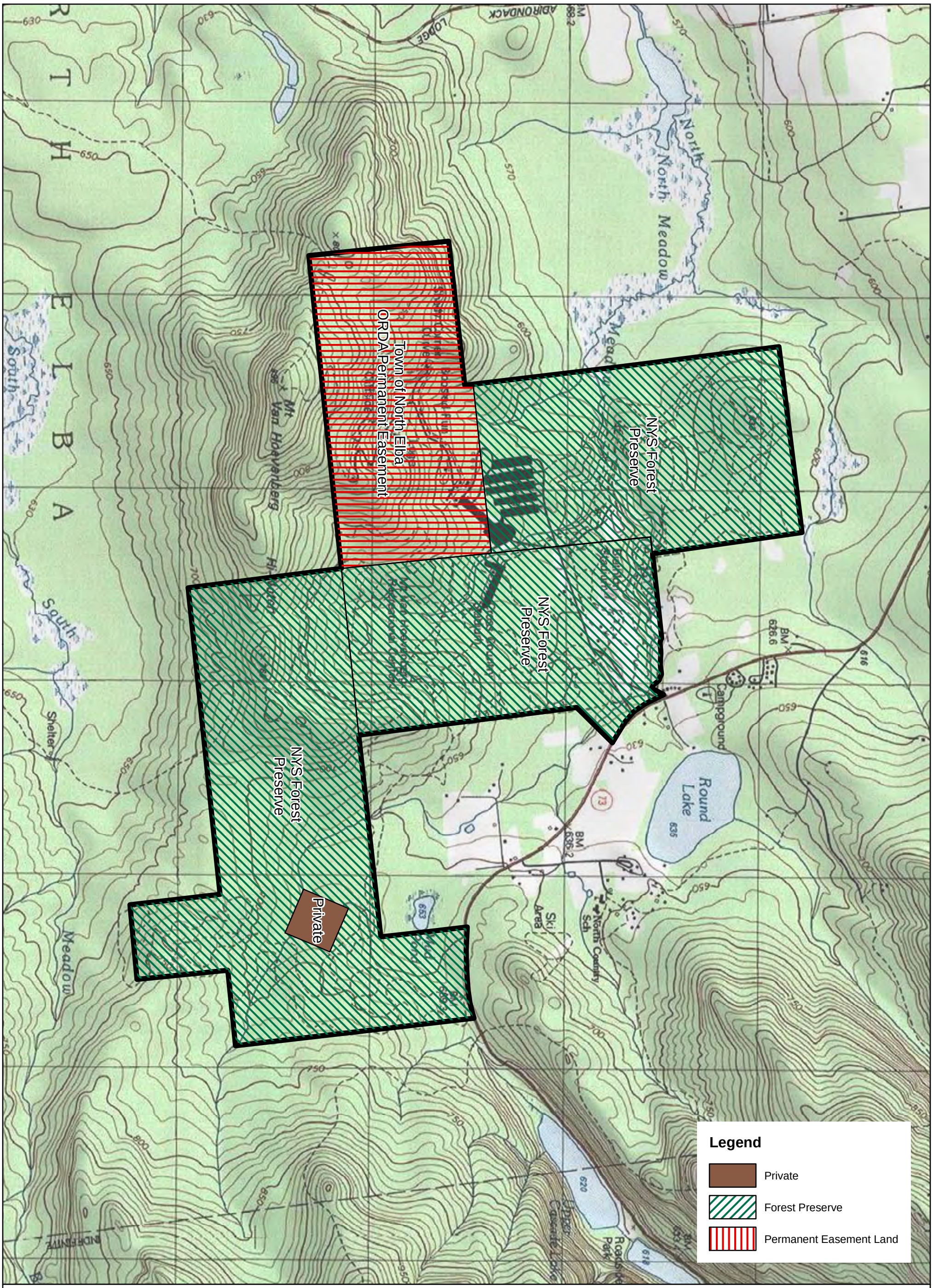
Mt. Van Hoevenberg Preliminary Draft 2018
Unit Management Plan Amendment
& Draft Generic Environmental Impact Statement

Site Location Map

1 inch = 1 miles
0 0.5 1
Miles

Date: 02/02/2017
Project No: 2017004

Drawing No:
3



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Land Ownership

1 inch = 1,500 feet
0 1,000 2,000
Feet

Date: 03/12/2018
Project No: 2017004

Drawing No:
4

c. Other Easement

A temporary easement previously existed to allow segments of cross-country ski trails to cross the privately owned lands currently of Steckler and of lands of Corwin in Sub 3 of Lot 8.

D. History of Land Unit

1. Bobsled

The Olympic Sports Complex at Mt. Van Hoevenberg traces its origins back to 1929 when the State Legislature passed an act authorizing the construction of a bobsled run on Forest Preserve lands situated on the western slopes of the Sentinel Range. This legislation was met with much opposition and litigation culminating in the so-called Crane decision in case of The Association for the Protection of the Adirondacks vs. McDonald which declared the 1929 act unconstitutional. Anticipating such a ruling, the Legislature, in 1930, passed a new statute setting up funds and procedures for the construction of a bobsled run on lands for which an easement might be required; this ultimately resulted in the construction of the bobsled run on a permanent easement acquired by the State from the Town of North Elba on the slopes of Mt. Van Hoevenberg.

The bobsled run was used five times for world championship races in addition to the III and XIII Olympic Winter Games. It was approved in 1968 by the Federation Internationale de Bobsleigh et Tobogganing for future international competition. The bobsled run was operated continuously by the State from 1932 until the winter of 1971-72, with the exception of the war years of 1942-45. In 1971, as a result of fiscal restraints, the Mt. Van Hoevenberg bobsled run was shut down and did not operate for the 1971-72 winter season.

During 1972, an agreement was reached with the Essex County Committee for Economic Development, an entity funded by the Federal Office of Economic Opportunity, to enable the Committee to manage and operate the bobsled run on a year- to-year basis for the purpose of creating and maintaining employment. The run was operated since the winter of 1972-73 until the winter of 1978-79 under the sponsorship of the Committee. In 1978, the Department of Environmental Conservation resumed management of the Complex, operating the facility through an annual appropriation from the Natural Heritage Trust. The Mt. Van Hoevenberg Olympic Bobsled Run was listed on the State Register of Historic Places in 2009 and on the National Register in 2010.

The bobsled run originally opened as a 1.5-mile course and was shortened in 1936 to one mile. Early on, the average number of operating days per season was 28. To guarantee the 1980 Olympic bobsled event, the full mile (1,557 meters) bobsled run was completely refrigerated, extending function to about 100 days annually. The bobsled run was subsequently shortened to 1,400 meters in 1990. The lowest half-mile section has been utilized as a bobsled adventure

experience for the public since the 1930s.

Construction of the existing combined bobsled/skeleton/luge track was approved as part of the 1999 UMP Amendment, and construction was completed in January 2000. The bobsled and men's single luge run is 1,455 meters long with 20 turns, a vertical drop of 128 meters and an average slope of 9% (maximum slope 20%). Different starts are used for skeleton, women's luge and doubles luge. In 2009 the run became the first to host world championships for bobsled, luge and skeleton in the same year (non-Olympics). World Championships have taken place on this track in 2003, 2009 and 2012. In January 2018 the track was the site of the IBSF North America's Cup for bobsled and skeleton.

The 20 curves are the most for a competitive sliding track. Curves 4-9 are known as the "Devil's Highway", which makes or breaks a majority of athletes runs by being one of the most technically challenging sections in the world. Requiring precise technical driving motions at speeds exceeding 120km/h, athletes have to maneuver 5 curves that drop several stories in quick succession. "Benham's Bend" (Curve 14) is one of the fastest points on the track before athletes enter a heart-shaped omega, known as "The Heart", which makes up the final quarter of the course before the finish at Curves 19 and 20.

2. Cross Country Skiing

In order to stage the Kennedy International Winter Games in 1969, a new and modern cross-country trail system was designed and constructed at Mt. Van Hoevenberg. This trail system was the first in the country planned for the competitor, the spectator, and the recreational skier. The cross-country race course constructed in that period provide the excellent trails used by the recreational skier today and at that time met the International Ski Federation (FIS) requirements for Olympic and World Class competitions.

Cross country ski events held for the 1980 Winter Olympics included the men's 15 km, 30 km, 50 km and 4 x 10 km relay and the women's 5 km, 10 km and 4 x 5 km relay.

3. Biathlon

Due to the success of holding the 1973 National Biathlon Championships and the World Biathlon Championships on temporary ranges and the enthusiasm which was generated, the Department of Environmental Conservation made plans in the spring of 1973 to construct a permanent biathlon range and trail system. The bridge crossing and other facilities at the biathlon area were upgraded for the 1987 World Biathlon Championships. 1980 Winter Olympics biathlon events included the 20 km, the 10 km sprint (event debut) and the 4 x 7.5 km relay. Women's biathlon was not introduced until the 1992 Winter Olympics.

4. Luge

In 1978, ground was broken for the construction of the original luge run. This project was constructed using Federal Economic Development Administration funds as a part of the development required for the 1980 Winter Olympic Games. The luge run was modified in both 1989 and 1991 in an effort to maintain its international certification. See subsection 1 above for a description of the current combined track that is currently used for luge.

E. Description of UMP/GEIS Process

Section 816 of the Adirondack Park Agency Act directs the DEC to develop, in consultation with the APA, UMPs for each unit of land under its jurisdiction classified in the APSLMP. Pursuant to its enabling law and agreement with the DEC for the management of the Olympic Sports Complex at Mt. Van Hoevenberg, ORDA works with the DEC, in the consultation of the APA, to update and amend the Mt. Van Hoevenberg UMP. The original UMP for Mt. Van Hoevenberg was prepared in 1986. A UMP Amendment for Mt. Van Hoevenberg was prepared 1999.

Specific requirements pertaining to the development of UMPs for ORDA venues was specified in the March 9, 1991 DEC/ORDA MOU and were then expounded upon in the November 2013 DEC/ORDA Consolidation Agreement. Section 2 of the Consolidation Agreement (copy in **Appendix 1**) provides specifics regarding the preparation of UMPs for ORDA venues, including the following topics:

- UMP Content,
- APSLMP Compliance,
- Consultation with NYSDEC Prior to and During UMP Preparation,
- Procedural Steps for preparation of Preliminary Draft UMPs, Public Review Draft UMPs, and Final UMP's,
- Consultation with APA,
- APA SLMP Consistency Review,
- APA Resolution on APSLMP Conformance, and
- Commissioner Approval of UMPs

The Generic Environmental Impact Statement (GEIS) included in this document is prepared in accordance with the New York State Environmental Quality Review Act (SEQRA, 6 NYCRR Part 617 and Implementing Regulations). The March 9, 1991 DEC/ORDA MOU, which is now incorporated as part of the November 2013 DEC/ORDA Consolidation Agreement states, "ORDA will normally serve as lead agency for State Environmental Quality Review (SEQR) and the Department and the Agency will participate in the SEQRA process as involved agencies."

ORDA, as lead agency, completed a SEQRA Full Environmental Assessment Form (FEAF) Parts 1, 2, and 3 (See **Appendix 2**). Based on the analysis in Part 3 of the FEAF, ORDA determined that the Project may result in one or more significant adverse impacts on the environment and that

an Environmental Impact Statement (EIS) must be prepared to further assess the impacts and possible mitigation and to explore alternatives to avoid or reduce these impacts.

The SEQRA aspects of this document are presented as a Generic Environmental Impact Statement (GEIS). A Generic EIS may be used to assess the environmental effects of a sequence of actions contemplated by a single agency or an entire program or plan having wide application (6NYCRR 617.10(a)(2) and (4)). They differ from a site specific EIS in that it applies to a group of common and related activities which have similar or related impacts. It is the intent of this GEIS to provide sufficient, site-specific information for all aspects of the UMP. In conformance with SEQRA, these related actions are being considered in this DGEIS. No additional SEQRA analyses are anticipated to be required for any new management action in this UMP, provided that such actions are carried out in accordance with the recommendations of this document. Any conceptual actions will require additional review under SEQRA should they be pursued in the future.

A preliminary version of this UMP Draft Amendment/DGEIS was provided to NYSDEC and to the APA for their review on March 15, 2018. Comments from these agencies were received by ORDA, and ORDA revised the preliminary document accordingly. ORDA then declared this Public Review UMP Draft Amendment/DGEIS to be complete for public review on May 9, 2018. This 2018 UMP Draft Amendment/DGEIS is open for public comment until June 8, 2018 including a SEQRA public hearing scheduled for 7:00 PM on May 24, 2018 at the Lake Placid Conference Center.

Notice of ORDA's acceptance of the DGEIS, establishment of the public comment period with a public hearing, and directions for accessing this document was published in the May 9, 2018 issue of the Environmental Notice Bulletin.

This Public Draft UMP Draft Amendment/DGEIS is available online on ORDA's website at http://www.orda.org/corporate/corporate_environment.php. Hard copies of the document are available at ORDA offices in Lake Placid and the Town of North Elba Town Hall.

Following the completion of the public comment period, ORDA, in consultation with NYSDEC and in cooperation with the APA, will proceed with the preparation of the FGEIS in accordance with the requirements of SEQRA.

F. Status of the 1986 Unit Management Plan and 1999 Unit Management Plan Amendment

The 1986 UMP and the 1999 UMP Amendment for Mt. Van Hoevenberg remain in effect today. Many of the improvements proposed under the 1986 UMP and the 1999 UMP Amendment have been implemented, with the remaining improvements on-going or pending implementation. Many of these approved improvements are incorporated into this five-year update and are still valid upgrades, repairs or additions to the recreation area. They are

identified as part of the five year update, and are noted as already approved in the 1986 UMP and the 1999 UMP Amendment.

Refer to **Table 1, Mt. Van Hoevenberg Status of UMP Management Actions,** for a list of management actions approved from the 1999 UMP and the status of those improvements. Table 1 also lists those management actions from the 1986 UMP that are still ongoing.

Table 1
Mt. Van Hoevenberg Status of UMP Management Actions

Item #	Management Action / Improvements	Current Status	Notes
1	**Trails / Biathlon Stadium**		
	Build 4km of new XC ski trails and improve 1.3km of existing XC ski trails to create 5.3km trail network on Town Easement lands. 4km of 5.3km XC ski trail network will be paved for off-season use. All 5.3 km will have lights for evening skiing.	New Management Action, 2018 UMP Amendment	
	Build new Biathlon Stadium including a shooting range, penalty loop, bleachers, timing/competition building, pedestrian bridge and trails in and out of the stadium area.	New Management Action, 2018 UMP Amendment	Portion on Forest Preserve to be built within existing cleared area.
	Build two (2) new XC ski bridges over original access road.	New Management Action, 2018 UMP Amendment	To be built within existing cleared area.
	Previously Approved Actions		
	Maintain existing Cross-Country (XC) ski trails to applicable International Ski Federation (FIS) and International Biathlon Union (IBU) standards	Approved in 1999, ongoing.	Where feasible without tree cutting
	XC ski trail homologation (international standardization)	Approved in 1999, deferred pending Article XIV resolution	
	In kind replacement of bridges on XC trails	Approved in 1999, ongoing as needed	
	Construct mini-stadium bridge to increase safety at high speed trail intersection	Approved in 1999, pending implementation	
	Create a longer straightaway at the start/finish at the current cross-country stadium and relocate timing building	Approved in 1999, deferred pending Article XIV resolution.	
	Upgrade trail signage and trail maps	Approved in 1999, completed	
	Purchase portable scoreboard	Approved in 1999, abandoned	
	Purchase additional grooming equipment	Approved in 1999, ongoing as needed	
	Replace wooden snow fencing on trails	Approved in 1999, ongoing as needed	
	Create three connector XC ski trails	Presented in 1999, deferred pending Article XIV resolution.	
	Widen XC ski trails north of the access road	Presented in 1999, deferred pending Article XIV resolution.	

	Replace two existing ski tunnels under the access road with two new 10' high, 20' wide, 28' long box or arch culverts	Presented in 1999, deferred pending Article XIV resolution.	
	Relocate wax test area to be adjacent to new racer's facility if necessary	Presented in 1999, deferred pending Article XIV resolution.	New 2018 Management Action will replace this 1999 Management Action
	Pave Biathlon Trails	Presented in 1986, deferred pending Article XIV resolution.	
	Maintain XC ski trails	Approved in 1986, ongoing.	
	Build ski trail bridge in Mini Stadium at high speed trail intersection	Approved in 1986, superseded by 1999 design	
2	**Buildings**		
	Build new Sliding Sports Start Building	New Management Action, 2018 UMP Amendment	
	Build new Welcome Center Lodge	New Management Action, 2018 UMP Amendment	
	Build addition to USA Team Garage including restroom facilities	New Management Action, 2018 UMP Amendment	
	Build new Groomer Garage including restroom facilities	New Management Action, 2018 UMP Amendment	
	Build new Snow Storage Building	New Management Action, 2018 UMP Amendment	
	Convert existing Press Building into Medical Building, add potable water and restrooms.	New Management Action, 2018 UMP Amendment	
	Renovate interior and exterior of Biathlon Lodge/Boxing Building. No change in footprint.	New Management Action, 2018 UMP Amendment	
	Previously Approved Actions		
	Rehabilitate the biathlon lodge as a recreational lodge (includes outside deck, berms, and landscaping). Amenities include lockers, fireplace and lounge, ski rental/ski school shop, and ticket sales	Approved in 1999, not implemented.	Action modified and presented as New 2018 Management Action.
	Construct a destination hut (unheated and unmanned) on the Porter Mountain loop	Presented in 1999, deferred pending Article XIV resolution, now abandoned.	
	Build new 6,000 sq. ft. racer's facility/training center to replace the cross-country lodge. Amenities to include fitness and weight training rooms, lockers, showers, mini kitchen, telephones, meeting areas, storage, ventilated waxing rooms, and media facilities.	Presented in 1999, deferred pending Article XIV resolution.	New 2018 Action Item will replace this 1999 Action Item

	Construct a 50' x 80' pole barn for equipment storage in the westernmost parking area	Presented in 1999, deferred pending Article XIV resolution.	
3	**Combined Track**		
	Expand Start 1 Building and Deck	New Management Action, 2018 UMP Amendment	
	Replace Start 4 Building	New Management Action, 2018 UMP Amendment	
	Build addition to Combined Track Timing Building	New Management Action, 2018 UMP Amendment	
	Previously Approved Actions		
	Construct new combined bobsled/luge track. The lower half of the existing bobsled track will remain in place and operational to provide tourist rides. The upper half of the existing track remain in place and be abandoned, not demolished. The upper portion of the existing bobsled run will be abandoned in place and will be allowed to reforest naturally.	Approved in 1999, Completed	
4	**Snowmaking**		
	Build new 7.5 million gallon snowmaking reservoir and pump house on Town Easement lands	New Management Action, 2018 UMP Amendment	
	Previously Approved Actions		
	Construct a snowmaking system on 7. 3 +I- km of XC ski trails on Forest Preserve Lands including an 8 million gallon reservoir, a 30' x 60' building to house pumps and air compressors and controls, two transformers, a pump at the existing pump station where bobsled run icing water is currently withdrawn, and water and air piping with snowmaking gun hydrants and power to run the guns along the trails where snowmaking is planned.	Presented in 1999, deferred pending Article XIV resolution.	
5	**Parking / Circulation**		

	Build new access road from Maintenance to Upper Bob Run Road, include lighting	New Management Action, 2018 UMP Amendment	
	Renovate existing parking adjacent to 1980 Start Building to service Start 1 Building. Abandon existing road to parking and build new access road. Include expanded paved area for athlete warm up.	New Management Action, 2018 UMP Amendment	
	Replace and improve existing road lighting on Upper Bob Run Road.	New Management Action, 2018 UMP Amendment	
	Install new lighting in parking lots 2, 3 and 4	New Management Action, 2018 UMP Amendment	
	Resurface original access road corridor with gravel from Bobsled Lane to current X/C parking lot/future Biathlon Stadium.	New Management Action, 2018 UMP Amendment	
	Previously Approved Actions		
	Restructure the existing cross-country ski center parking lot to accommodate better traffic flow, drop-off area and parking pods.	Approved in 1999, Abandoned	
	Restructure the existing biathlon lodge parking area to improve traffic flow, accommodate parking spaces, and provide overflow parking.	Approved in 1999, Abandoned	
	Restructure the existing access to the bobsled/luge area by creating a loop road with a vehicle drop-off zone.	Approved in 1999, partially completed.	New 2018 Management Action will replace this 1999 Management Action
	Pave parking fields with high rate of use (Lots 1-5)	Presented in 1999, deferred pending Article XIV resolution.	
	Pave loop road to bobsled/luge area	Presented in 1999, deferred pending Article XIV resolution.	
	Construct trailhead parking area in conjunction with DEC and DOT to serve those people accessing the trails to Pitchoff, Porter and Cascade Mountains.	Presented in 1999, deferred pending Article XIV resolution.	
6	**Utilities**		
	Provide potable water supply to converted Press Center (Medical Building) and all new buildings.	New Management Action, 2018 UMP Amendment	

	Install wastewater disposal system to serve the new welcome center/lodge, connect converted press center (Medical Building), Groomer Garage and USA Team Garage addition to existing, adequate disposal systems.	New Management Action, 2018 UMP Amendment	
	Develop maintenance/dredging plan at North Meadow Brook water intake	New Management Action, 2018 UMP Amendment.	
	Previously Approved Actions		
	Replace bridge at existing pump station and replace weir as required by DEC and described in UMP	Approved in 1999, completed	
7	**Miscellaneous**		
	Install an Alpine Coaster, including supporting deck systems, ticketing staging buildings and lighting. Remove lighting on 1980 track.	New Management Action, 2018 UMP Amendment	
	Install transport coaster or funicular	New Management Action, 2018 UMP Amendment	
	Build hiking trail providing connection for Cascade and Porter Mountains, Mount Marcy and Mt. Van Hoevenberg with parking at existing Intensive Use Area parking lots.	New Management Action, 2018 UMP Amendment	
	Previously Approved Actions		
	Maintain and replace security fencing	Approved in 1999, ongoing as needed	
	Maintain grounds and physical plant	Approved in 1999, ongoing as needed	
	Annual review of facility compliance with safety standards and facility modifications as required	Approved in 1986, ongoing.	
	Development and scheduling of summer/off-season events	Approved in 1986, ongoing.	
	Acquisition of lands where temporary ski trail easement was located and of interior parcels of private lands	Approved in 1986, ongoing.	
	Annual review and maintenance of current level of operation.	Approved in 1986, ongoing.	
	Maintenance of grounds and physical plant	Approved in 1986, ongoing.	
	Develop and schedule off-season events	Approved in 1999, ongoing	

SECTION II INVENTORY OF EXISTING RESOURCES, FACILITIES, SYSTEMS AND USE

A. Inventory of Natural Resources

1. Physical Resources

a. Geology

Bedrock formations at Mt. Van Hoevenberg consist primarily of anorthosite on the upper slopes and gneiss east and north of the combined track. Both rock types are very hard crystalline rocks.

The lower slopes of the Complex lie on the sand and gravel lake plain of glacial South Meadows Lake, the highest meltwater lake recognized in the Adirondack Mountains. The beach levels range from 2,146 to 2,209 feet above sea level. Mt. Van Hoevenberg itself is a small bedrock hill which protrudes from the glacial lake plain and was formed where erosion-resistant bedrock knobs called monadnocks are partially buried in glacial drift.

b. Soils

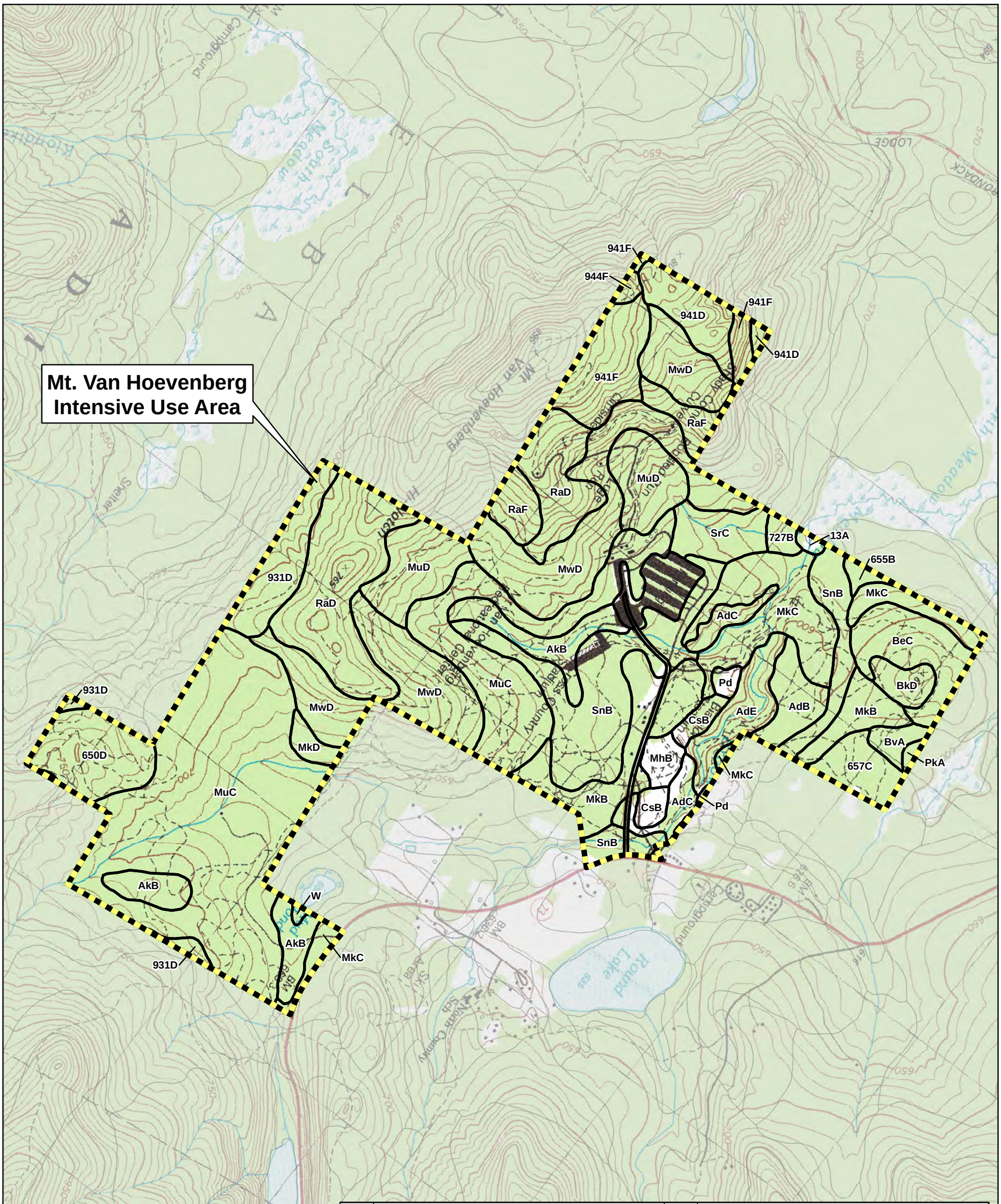
Above an elevation of 2,100 feet, soils form a very thin veneer over the bedrock. Below this elevation, soils have been mapped as glacial till, comprised of well-drained, moderately coarse-textured soils, most of which have a sandy fragipan which restricts drainage at a depth of 0.5 to 1.0 meters below the ground surface. This material provides a satisfactory foundation for most types of construction. However, in the design of septic systems or other subsurface drainage structures such as foundation drains, it is necessary to consider the tendency of the fragipans to retard drainage.

Between the existing parking area and North Meadow Brook, a large area of till without fragipan has been mapped. The biathlon and cross-country stadiums are located on this terrain.

Online USDA NRCS Soils Information (web soil survey) was used as the basis for the soils map for this UMP Amendment, provided in **Figure 5, Soils Map.**

Two of the important soil characteristics that need to be given consideration are the susceptibility of soils to erosion and the depth to bedrock in the soils at Mt. Van Hoevenberg.

Table 8 in the Soils Survey of Essex County provides data on potential hazard of forest off-road or off-trail soil erosion. This is a good measure of erosion potential of soils that become exposed during construction at Mt. Van Hoevenberg. **Table 2**, **Soil Erosion Potential**, rates the erosion potential of soils at Mt. Van Hoevenberg from slight to severe.



Legend

Mt. Van Hoevenberg Intensive Use Boundary

SSURGO Soil Type Boundary

LABEL	SOIL TYPE	LABEL	SOIL TYPE
13A	Burnt Vly-Rumney-Pleasant Lake complex, 0 to 2 percent slopes	CsB	Colton very gravelly loamy sand, 3 to 8 percent slopes
650D	Monadnock-Adams-Colton complex, 15 to 35 percent slopes, bouldery	MhB	Monadnock fine sandy loam, 3 to 8 percent slopes
655B	Sunapee-Monadnock complex, 3 to 15 percent slopes, very bouldery	MkB	Monadnock fine sandy loam, 3 to 8 percent slopes, very bouldery
657C	Monadnock-Tahawus complex, 3 to 15 percent slopes, very bouldery	MkC	Monadnock fine sandy loam, 8 to 15 percent slopes, very bouldery
727B	Skerry-Adirondack complex, 0 to 8 percent slopes, very bouldery	MkD	Monadnock fine sandy loam, 15 to 35 percent slopes, very bouldery
931D	Mundalite-Rawsonville complex, 15 to 35 percent slopes, rocky, very bouldery	MuC	Mundalite fine sandy loam, 8 to 15 percent slopes, very bouldery
941D	Rawsonville-Hogback complex, 15 to 35 percent slopes, very rocky, very bouldery	MwD	Mundalite-Rawsonville complex, 15 to 35 percent slopes, rocky, very bouldery
941F	Rawsonville-Hogback complex, 35 to 60 percent slopes, very rocky, very bouldery	Pd	Pits, sand and gravel
944F	Hogback-Knob Lock complex, 35 to 60 percent slopes, very rocky, very bouldery	PkA	Pleasant Lake peat, 0 to 2 percent slopes
AdC	Adams loamy sand, 8 to 15 percent slopes	RaD	Rawsonville-Hogback complex, 15 to 35 percent slopes, very rocky, very bouldery
AdE	Adams loamy sand, 25 to 45 percent slopes	RaF	Rawsonville-Hogback complex, 35 to 60 percent slopes, very rocky, very bouldery
AkB	Adirondack fine sandy loam, 3 to 8 percent slopes, very bouldery	SnB	Sunapee fine sandy loam, 3 to 8 percent slopes, very bouldery
BeC	Becket fine sandy loam, 8 to 15 percent slopes, very bouldery	SrC	Skerry loam, 8 to 15 percent slopes, very bouldery
BkD	Becket-Tunbridge complex, 15 to 35 percent slopes, rocky, very bouldery	W	Water
BvA	Burnt Vly peat, 0 to 1 percent slopes		

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Unit Management Plan Amendment
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Soils Map

1 inch = 1,500 feet
0 750 1,500
Feet

Date: 12/22/2017
Project No: 2017004

Drawing No:
5

Table2
Soil Erosion Potential

Map Symbol	Soil Series Name	Erosion Potential		Map Symbol	Soil Series Name	Erosion Potential
13A	Burnt Vly-Rumney-Pleasant Lake complex, 0 to 2 percent slopes	Slight		BvA	Burnt Vly peat, 0 to 1 percent slopes	Slight
655B	Sunapee-Monadnock complex, 3 to 15 percent slopes, very bouldery	Slight		CsB	Colton very gravelly loamy sand, 3 to 8 percent slopes	Slight
650D	Monadnock-Adams-Colton Complex, 15-35 percent slopes, bouldery	Moderate		MhB	Monadnock fine sandy loam, 3 to 8 percent slopes	Slight
657C	Monadnock-Tahawus complex, 3 to 15% slopes, very bouldery	Slight		MkB	Monadnock fine sandy loam, 3 to 8 percent slopes, very bouldery	Slight
727B	Skerry-Adirondack complex, 0 to 8 percent slopes, very bouldery	Slight		MkC	Monadnock fine sandy loam, 8 to 15 percent slopes, very bouldery	Slight
931D	Mundalite-Rawsonville complex, 15 to 35 percent slopes, rocky, very bouldery	Moderate		MkD	Monadnock fine sandy loam, 15 to 35 percent slopes, very bouldery	Moderate
941D	Rawsonville-Hogback complex, 15 to 35 percent slopes, very rocky, very bouldery	Moderate		MuC	Mundalite fine sandy loam, 8 to 15 percent slopes, very bouldery	Slight
941F	Rawsonville-Hogback complex, 35 to 60 percent slopes, very rocky, very bouldery	Severe		MwD	Mundalite-Rawsonville complex, 15 to 35 percent slopes, rocky, very bouldery	Moderate
944F	Hogback-Knob Lock complex, 35 to 60 percent slopes, very rocky, very bouldery	Severe		Pd	Pits, sand and gravel	Not Rated
AdC	Adams loamy sand, 8 to 15 percent slopes	Slight		PkA	Pleasant Lake peat, 0 to 1 percent slopes	Slight
AdE	Adams loamy sand, 25 to 45 percent slopes	Moderate		RaF	Rawsonville-Hogback complex, 35 to 60 percent slopes, very rocky, very bouldery	Severe
AkB	Adirondack fine sandy loam, 3 to 8 percent slopes, very bouldery	Slight		SnB	Sunapee fine sandy loam, 3 to 8 percent slopes, very bouldery	Slight

BeC	Becket fine sandy loam, 8 to 15 percent slopes, very bouldery	Slight		SrC	Skerry fine sandy loam, 8 to 15 percent slopes, very bouldery	Slight
BkD	Becket-Turnbridge Complex, 15 to 35 percent slopes, rocky, very bouldery	Moderate		UlC	Udorthents, nearly level through strongly sloping	Not Rated

Construction activities that require excavation in areas of soils with shallow depth to bedrock can require blasting of the underlying bedrock. The following are the depths at which bedrock is typically present in the soils at Mt. Van Hoevenberg.

Table 3
Depth to Bedrock

Map Symbol	Soil Series Name	Bedrock Depth (in.)		Map Symbol	Soil Series Name	Bedrock Depth (in.)
13A	Burnt Vly-Rumney-Pleasant Lake complex, 0 to 2 percent slopes	>72		BvA	Burnt Vly peat, 0 to 1 percent slopes	>72
655B	Sunapee-Monadnock complex, 3 to 15 percent slopes, very bouldery	>72		CsB	Colton very gravelly loamy sand, 3 to 8 percent slopes	>72
650D	Monadnock-Adams-Colton Complex, 15-35 percent slopes, bouldery	>72		MhB	Monadnock fine sandy loam, 3 to 8 percent slopes	>72
657C	Monadnock-Tahawus complex, 3 to 15% slopes, very bouldery	>72		MkB	Monadnock fine sandy loam, 3 to 8 percent slopes, very bouldery	>72
727B	Skerry-Adirondack complex, 0 to 8 percent slopes, very bouldery	>72		MkC	Monadnock fine sandy loam, 8 to 15 percent slopes, very bouldery	>72
931D	Mundalite-Rawsonville complex, 15 to 35 percent slopes, rocky, very bouldery	18-27		MkD	Monadnock fine sandy loam, 15 to 35 percent slopes, very bouldery	>72
941D	Rawsonville-Hogback complex, 15 to 35 percent slopes, very rocky, very bouldery	14-25		MuC	Mundalite fine sandy loam, 8 to 15 percent slopes, very bouldery	>72
941F	Rawsonville-Hogback complex, 35 to 60 percent slopes, very rocky, very bouldery	14-25		MwD	Mundalite-Rawsonville complex, 15 to 35 percent slopes, rocky, very bouldery	25->72
944F	Hogback-Knob Lock complex, 35 to 60 percent slopes, very rocky, very bouldery	14-25		Pd	Pits, sand and gravel	>72

AdC	Adams loamy sand, 8 to 15 percent slopes	>72		PkA	Pleasant Lake peat, 0 to 1 percent slopes	>66
AdE	Adams loamy sand, 25 to 45 percent slopes	>72		RaF	Rawsonville-Hogback complex, 35 to 60 percent slopes, very rocky, very bouldery	14-25
AkB	Adirondack fine sandy loam, 3 to 8 percent slopes, very bouldery	>72		SnB	Sunapee fine sandy loam, 3 to 8 percent slopes, very bouldery	>72
BeC	Becket fine sandy loam, 8 to 15 percent slopes, very bouldery	>72		SrC	Skerry fine sandy loam, 8 to 15 percent slopes, very bouldery	>72
BkD	Becket-Turnbridge Complex, 15 to 35 percent slopes, rocky, very bouldery	27->72		UlC	Udorthents, nearly level through strongly sloping	>72

c. Topography and Slope

Topography at Mt. Van Hoevenberg ranges from gently rolling in the area of the biathlon and cross-country ski stadium area to steep on the upper slopes of the mountain itself. Elevation ranges from 1,900 to 2,830 feet above mean sea level, as shown on **Figure 6, Topography.** Slope steepness is shown on **Figure 7, Slope Map.** Much of the lower elevation area is in the 0-10% slope category, and upper slopes in the range of 40-60% are not uncommon.

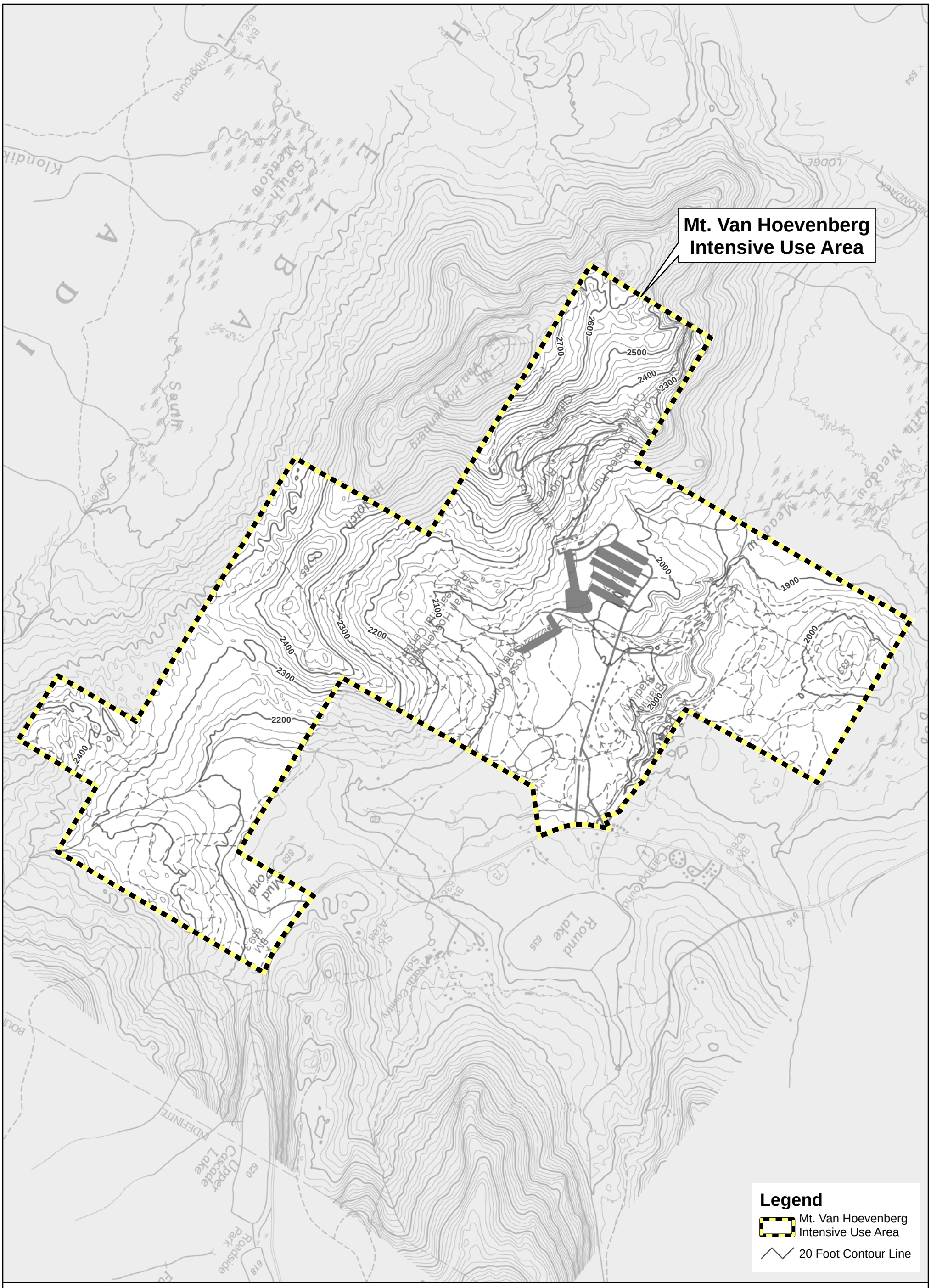
d. Water Resources

The only major water course in the Olympic Sports Complex is North Meadow Brook which flows approximately 1.2 miles from east to west across the northern part of the area. **Figure 8, Surface Water and Wetland Resources,** depicts the location of this resource on the site. A small tributary of the brook crosses the southeastern part of the Complex. The brook is classified by the New York State Department of Environmental Conservation Waters Index as C(T). Class "C" waters are managed for fishing and fish propagation. The water quality shall be suitable for swimming and boating recreation even though other factors may limit the use for that purpose. The (T) designation indicates that the water is capable of providing trout habitat.

Stream bed components are dominated by gravel and sand along with limited boulders and rubble. Estimated autumn stream flow is 4 cubic feet per second (cfs) which is considered the minimum flow present in this stream 75% of the time, as reported in the NYSDEC 1986 UMP for the Complex. Peak flows of 25 cfs are possible during rainy periods and may reach 50 cfs for a few days during the spring runoff period.

The calculated minimum average daily flow at the pumphouse on North Meadow Brook projected to occur over a seven day period with a two year return interval (MAD 7/2) is 1.8 cfs.

North Meadow Brook was used in the past as source of snowmaking water source at the OSC.



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MT. VAN HOEVENBERG

Mt. Van Hoevenberg Preliminary Draft 2018
Unit Management Plan Amendment
& Draft Generic Environmental Impact Statement

Topography

1 inch = 1,500 feet
0 750 1,500
Feet

Date: 03/13/2018
Project No: 2017004

Drawing No:
6

Mt. Van Hoevenberg
Intensive Use Area

Biathlon Stadium
Cross Country Stadium
Bobsled Run
Shady Corner Curve
Luge Run
Funicular
Mt Van Hoevenberg Recreational Center
Mud Pond
Round Lake
Mt Van Hoevenberg
High Notch
Campground
Gate
Meadow
South Meadow
Saunt
Shelter
E L B A
A D I R O
P A R

Legend

Mt. Van Hoevenberg Intensive Use Area

20 Foot Contour Line

Slope

- 0-10%
- 10-15%
- 15-25%
- 25-30%
- 30-35%
- 35-40%
- 40-45%
- 45-60%
- 60-85%
- >85%

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Slope Map

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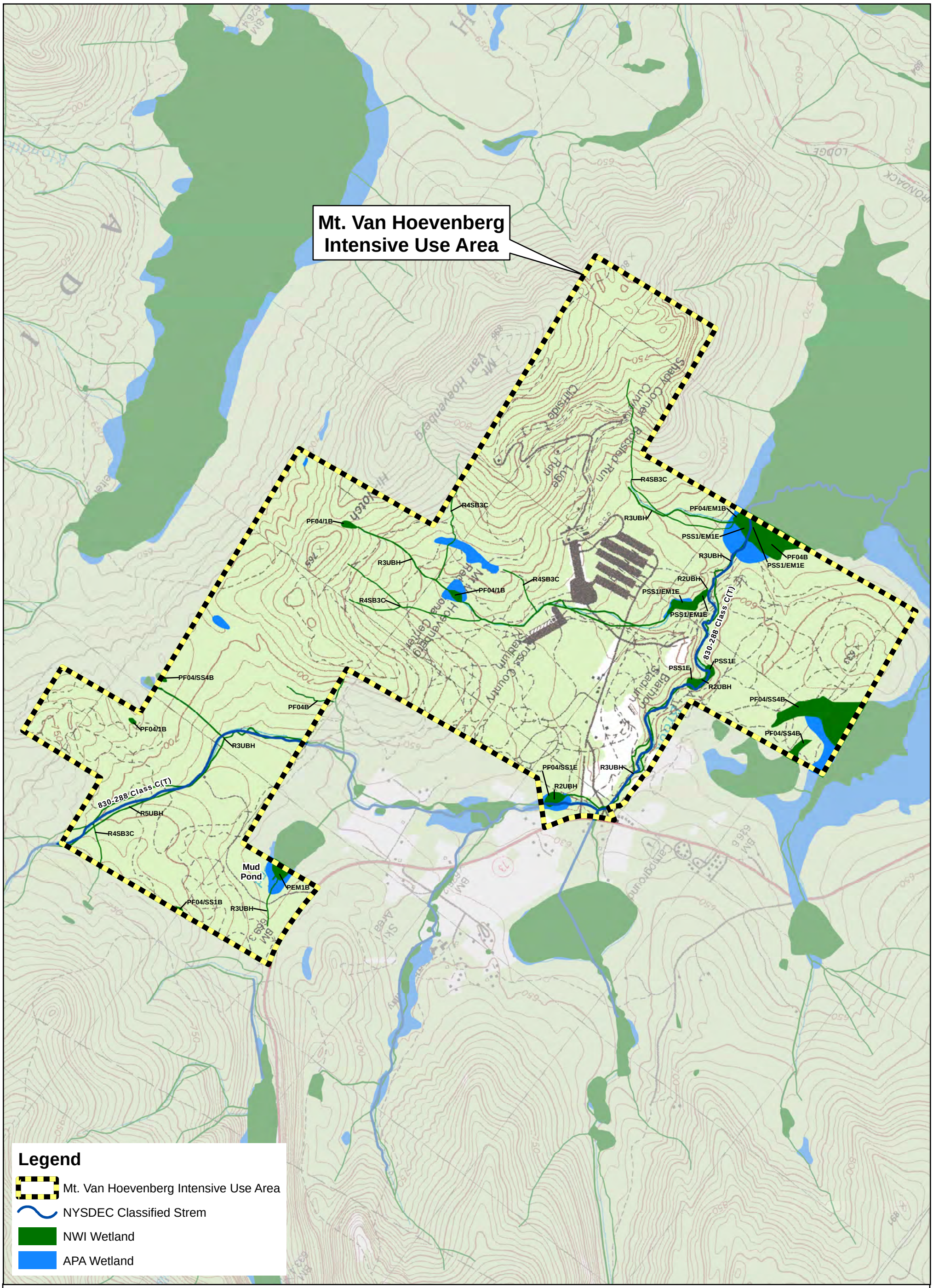

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Surface Water and Wetland Resources

1 inch = 1,500 feet
0 750 1,500
Feet

Date: 12/22/2017
Project No: 2017004

Drawing No:
8

Snowmaking water was withdrawn from North Meadow Brook at a point located approximately 200 feet north of the access road. Water was withdrawn at a rate of 100 gallons per minute for an average of 400 hours each season. Snowmaking was initiated for the 1980 Olympic Games and has continued until recently. Snow was made in the field east of the existing biathlon lodge, about 150 feet from the brook. Snow was then spread out on the trails with grooming equipment. Starting in the fall of 2016 a TechnoAlpin SnowFactory has been used to make snow in the cross country stadium which is then spread onto ski trails. A bedrock well is the source of water for the snow factory.

Water is also withdrawn from North Meadow Brook at the existing pumphouse in order to ice the bobsled and luge runs. Water for this use is pumped to a 27,000 gallon underground cistern located at the base of the combined track.

e. Wetlands

Wetlands within the Olympic Sports Complex are confined to lowlands along North Meadow Brook and its tributaries, and to a few isolated, poorly drained pockets at higher elevations. Those areas associated with North Meadow Brook generally are spruce-fir swamps and alder-dominated shrub swamps. The mountainside pockets have balsam fir, red spruce, jewelweed, cinnamon fern, sensitive fern, sedges, slender mannagrass, mosses, and leafy liverworts.

Figure 8, Surface Water and Wetland Resources, shows the on-site wetlands identified by the Adirondack Park Agency, and mapped with the aid of aerial photographs and field inspections. These are the wetlands which meet the 1-acre minimum size as State-regulated wetlands within the Adirondack Park. There are other small wetlands in places such as wide spots along intermittently flowing swales, isolated depressions, and seepy places on slopes, which are too small to come under State wetland regulations, but which may be under federal regulation. These are shown as “NWI Wetlands” on **Figure 8**.

f. Climate and Air Quality

The Lake Placid area has a humid continental climate with severe winters, no dry season, warm summers and strong seasonality. According to the Holdridge life zones system of bioclimatic classification, the Lake Placid area is situated in or near the boreal wet forest biome.

The following climate information was taken from the Soil Survey for Essex County (USDA NRCS, 2010) that provides climate data, including data from NRCS Lake Placid 2S climate station.

Temperature (F)

- Average Daily Maximum = 52.3
- Average Daily Minimum = 29.6
- Winter Average = 18.1
- Summer Average = 62.2
- Average Annual = 40.9

Precipitation (in.)

Mean Annual = 39.65

Average Seasonal Snowfall = 115.2

NYSDEC last reported on air quality attainment in the area in 2016. One of the monitoring station locations is at the base of Whiteface Mountain. Parameters monitored include sulfur dioxide and inhalable particulates (PM2.5). Monitored levels for these 2 parameters were well within federal air quality standards.

2. Biological Resources

a. Vegetation

Due to the variety of drainage and elevation conditions, five typical Adirondack forest covertypes are found on the Mt. Van Hoevenberg site. **Figure 9, "Vegetation Covertype Map,"** traces the approximate boundaries of these forest types which are described as follows:

Spruce-Fir: Composed of red and black spruce and balsam fir with areas of tamarack or wetland hardwoods such as yellow birch or elm. Found mainly in low, wet areas or high on mountains where soil is shallow.

Spruce-Fir-Pioneer Hardwood: Composed of red spruce, balsam fir, white or gray birch and aspen with occasional pin cherry and yellow birch.

Spruce-Fir-Northern Hardwood: Composed of red spruce, balsam fir, hard and soft maple, beech and yellow birch with occasional associated species such as hemlock, black cherry and white ash. Usually found on lower slopes and is quite often a transition forest type between the spruce-fir type and the northern hardwood type.

Northern Hardwood: Composed of soft and hard maple, beech, yellow birch and associated species such as black cherry, white ash and white pine. Found on well- drained side slopes.

Open: Open field or those areas which have filled with brush species such as spirea but lack significant woody growth.

On a finer scale than mapped in **Figure 9,** it is possible to identify several ecological communities as defined in the classification used by NYSDEC (Reschke, 1990). Under this system, the first three forest types, where found on well-drained sites, would be classified as variants of the spruce-northern hardwood forest community. The northern hardwood forest type is the equivalent of the beech-maple mesic forest community.

Along streams and in wet pockets, forest dominated by spruce and fir would be classified as spruce-fir swamp. Where the soil next to a stream is better drained, the balsam flats community may occur. For much of its length along the Olympic Sports Complex, North Meadow Brook is bordered by a narrow zone of the shrub swamp community, in which speckled alder is dominant.

Mt. Van Hoevenberg
Intensive Use Area

SFH
SF
NH
SFH
SF
NH
SFP
O
SF
SFH
NH
SFH
SFP
NH
SFH
SFH
SFH
O
SF
SFH
O
SFH
NH
O
SFH

Legend

Mt. Van Hoevenberg Intensive Use Area

Forest Cover Type Boundary

NH - Northern Hardwood
O - Open
SF - Spruce Fir
SFH - Spruce-Fir-Northern-Hardwood
SFP - Spruce-Fir-Pioneer-Hardwood

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Vegetation

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Feet

Date: 12/26/2017
Project No: 2017004

Drawing No:
9

Broader stretches of shrub swamp are associated with the eastern end of Mud Pond and North Meadow Brook in the westernmost part of the Olympic Sports Complex.

b. Wildlife

The Olympic Sports Complex at Mt. Van Hoevenberg is a year round recreation and training facility. Athletes and recreational users run, hike, bike and horseback ride on the Complex's cross-country trails during spring, summer and fall. Winter is the most active time for the area as cross-country skiers and biathletes participate in intensive training and competition. Also, the public comes to the area to enjoy cross-country skiing and to be spectators at the various events throughout the winter season.

In addition to the recreational uses for which Mt. Van Hoevenberg was designed, hunting and trapping are popular activities within the immediate vicinity. Neither the current degree of development nor the influx of winter recreational users has hindered the presence of game species and the enthusiasm exhibited by area sportsmen.

There is no measure available for the number of consumptive and passive users of the wildlife resource on the Olympic Sports Complex at Mt. Van Hoevenberg. Harvest levels and license sales (hunting and trapping) are often used as indicators of the potential number of consumptive users. Since harvest data is collected by township and license sales are tabulated by county, neither offers an appropriate indicator of use on as small a land unit as the Olympic Sports Complex.

The number of passive users could include every visitor that uses the facility. However, specifically, only the visitors using the cross-country ski trails for leisure, as opposed to competition, may readily enjoy observing wildlife. Some of the summer tourists may also take the time to observe birds while walking along the trails or touring the bobsled and luge runs.

A number of species have been documented to historically occur in the area of the project site and of this number many are likely to commonly occur on the site based upon their habitat preferences. Mammalian species likely to be common on the site include short-tailed shrew, black bear, raccoon, weasel, coyote, red fox, gray fox, woodchuck, eastern chipmunk, red squirrel, beaver, meadow vole, muskrat, porcupine, snowshoe hare and white-tailed deer.

A number of avian species are also likely to occur commonly on the site, some throughout the year and some as migrants. Based upon the habitat types found on the site, the avian species most likely to commonly occur on the site at any one time include ruffed grouse, broad-winged hawk, yellow-bellied sapsucker, American robin, red-eyed vireo, brown-headed cowbird, rose-breasted grossbeak, purple finch, dark-eyed junco, white-throated sparrow, blue jay, American crow, black-capped chickadee, owls, raven and brown creeper.

The white-tailed deer is a common big game species throughout the Adirondacks. The deer obtain annual nutrition and shelter needs on and off the Olympic Sports Complex parcel. The best summer range may be described as an inter-mix of pioneer forest and brushland. The forest

offers protection and shelter while the brushland provides an abundance of food in the form of browse. On the Mt. Van Hoevenberg site, the northern hardwood forest is poor habitat for deer because sufficient sunlight does not penetrate to the forest floor to encourage the growth of browse.

However, there is a noticeable increase in the deciduous understory in the spruce-fir-hardwood habitat. There is also an increase in browse along the openings created by the facilities at the Olympic Sports Complex, including the roads, parking lots, and ski trails.

During the latter part of the fall and throughout the winter, deer seek the sheltered portions of their range throughout the Adirondacks, where protection is available from adverse wind, temperature and most importantly, snow depth. The better winter shelter is the conifer and mixed deciduous-conifer covertypes where the crowns of red spruce, white pine, balsam fir, white cedar and hemlock retain the snow and thus diminish snow depths on the ground. One such deer wintering area is located south of the Olympic Sports Complex, along South Meadow Brook.

The maintenance of trails and the periodic large number of people that congregate at a spring event does affect the behavior of wildlife. Trimming shrubs to groom cross- country ski trails helps maintain early successional vegetation thereby contributing to more food for herbivores such as snowshoe hare and white-tailed deer. The large crowds at sporting events probably cause a variety of wildlife to seek shelter on the edge of the highly active portions of the site.

c. Fisheries

North Meadow Brook flows westerly into the West Branch of the Ausable River, and a 1.2 mile section flanks the Olympic Sports Complex at Mt. Van Hoevenberg to the north.

Water quality in the stream near the Olympic Sports Complex at Mt. Van Hoevenberg is sufficient to support aquatic organisms. No evidence of floating or settleable solids, toxic wastes, or other substances dangerous to the aquatic community is known to be present in the stream. Sufficient shade provided by the forest cover keeps the area of the stream below 70°F during warm summer months.

Prior to 1980, North Meadow Brook was being stocked annually with 1,260 brook trout fingerlings. Stocking was discontinued when the stream was found to be supporting a self-sustaining brook trout population.

Electroshocking fish collection and inventory in the 1990's upstream of the bridge over the ORDA Pumphouse Road. This survey counted 30 brook trout (minimum length of 45 mm and maximum length of 189 mm) and 2 brown trout (minimum length of 104 mm and maximum length of 187 mm).

d. Unique Areas, Critical Habitats, and Rare Species

A September 2017 check of NYSDEC's online Environmental Resource Mapper revealed no records of rare, threatened, or endangered species or significant natural communities occurring within the lands of the Olympic Sports Complex at Mt. Van Hoevenberg.

3. Visual Resources

Visual resources were examined and reported on in Appendix C of the 1999 UMP.

The landform that is Mount Van Hoevenberg and its associated forest cover limits the directions from which views into the OSC are possible. Generally speaking, there are no direct views into the developed portions of the OSC from the south. Views into the OSC were found to be limited to 310 degrees NW to 45 degrees NW.

Locations within this viewshed that were identified as having views into the Complex included the following:

- Intersection of NYS Route 73 and the entry to the complex (Bobsled Run Lane)
- Adirondack Loj Road
- 90 meter ski jump deck at the Olympic Sports Complex
- John Brown's Farm/Grave Historic Register Site
- Parking lot of the Crown Plaza Hotel downtown Lake Placid
- Sections of NYS Route 86 (Olympic Scenic Byway) near the Lake Placid Golf Club

4. Noise

When the 1999 UMP was written, the only consistent source of noise at the Olympic Sports Complex, which was limited to the winter season, was the snowmaking gun located in the open field about 460 feet south of NY Route 73 and 165 feet north of the complex access road. Snowmaking had occurred at the Olympic Sports Complex since the 1980 Olympic Games in this area. At the time of the 1999 UMP Amendment, a snow gun which required a portable diesel air compressor was previously used which was relatively much louder than the snow gun which was in use from 1995 to 1999.

As stated above, snowmaking in the open field near NYS Route 73 is presently discontinued. Snowmaking currently takes place interior in in the Complex behind the cross country lodge where the TechnoAlpin SnowFactory currently produces snow for spreading on the ski trails. This location is more interior on the property and further removed from other land uses along NYS Route 73.

B. Human Resources

1. Transportation

The subject property is bounded to the north and east by NY Route 73 and to the west by Adirondack Loj Road as shown on **Figure 3, Site Location Map.** NY Route 73 at its most easterly point connects with NY Route 9, which connects two miles south with I-87 at Exit 30. Access from the south is provided by I-87 at Exit 30 with a portion of NY Route 9 and NY Route 73 being

utilized to reach the site. NY Route 73 traverses west to connect with NY Route 86 at Lake Placid. NY Route 73 is an asphalt-surfaced roadway with a turning lane in both directions at the entrance road to the Olympic Sports Complex. The roadway has paved shoulders approximately 4 feet in width.

Adirondack Loj Road originates at the Adirondack Loj and runs in a north/south direction, intersecting at its northern end with NY Route 73. The roadway is approximately 20 feet wide and paved with a 1 foot wide sand shoulder on both sides.

The Olympic Sports Complex at Mt. Van Hoevenberg is serviced by a 1 mile paved State access road, NY Route 913Q, from NY Route 73. NY Route 73 and approximately 3,000 feet of the access road to the facility are maintained by New York State.

At the end of the access road, there is one main parking lot and four smaller parking lots screened by vegetation. Total parking capacity in all of these lots is estimated to be about 1,800 cars. Parking facilities at Mt. Van Hoevenberg are sufficient for existing activities and the proposed expansions and improvements.

The New York State Department of Transportation indicated that traffic counts had been conducted in the area of the project site. In 1988, 1989, 1992, 1994, and 2014 traffic counts were taken, or were estimated from previous actual counts, on NY Route 73 in the area of the Olympic Sports Complex entrance road. Annual Average Daily Traffic Counts (AADT) were reported as follows:

	Year	AADT
July	1988	2450
May	1989	2550
May	1992	2000
August	1995	3500
September	2014	3467

The DOT reports that late summer counts usually indicate higher traffic volumes in the Lake Placid area due to the presence of summer visitors.

In 2017 the Olympic Sports Complex at Mt. Van Hoevenberg was serviced by public bus service provided by Essex County as part of its Olympic Summer Mid Day Loop that operated between May and September. The site also routinely hosts tour buses, group tours and teams who are transported to the Complex on buses.

Airports

The Lake Placid Airport is owned and operated by the Town of North Elba and is located one mile south of the Village on NY Route 73. Airport services include air charter, air taxi, air ambulance, scenic flights, tie down, aviation gas, plane repairs, and flight instruction. The longest runway is 4,196 feet.

The Adirondack Regional Airport near Saranac Lake is a municipality owned and operated airport and is the nearest facility providing scheduled certified air carrier service into the Lake Placid-Saranac region. It is located 16 miles from Lake Placid on NY Route 86 in Lake Clear, just west of Saranac Lake, and can accommodate larger long range jet aircraft. Its longest runway is 6,573 feet.

Rail

Direct railroad service into the Lake Placid area is not available at this time. AMTRAK provides daily passenger train service between New York City and Montreal, with the nearest stop in Westport, approximately 40 miles from the Olympic Sports Complex.

Bus

Adirondack Trailways provides daily bus service between Lake Placid and New York City and Malone, with many stopping points in between. The Champy Express provides service between Lake Placid and Plattsburgh twice daily. It connects with the afternoon AMTRAK train in Westport.

Ferry

The Lake Champlain Ferry at Essex (north of Westport) offers transportation of cars across Lake Champlain into Vermont at Charlotte from April 1 through January 1. Alternate ferry service on a year-round basis can be found at the ferry terminals in Plattsburgh, New York.

Taxi

Multiple taxi and/or limousine service firms operate in the Village of Lake Placid.

2. Community Services

The New York State Police, Troop B station is located in Ray Brook. The Mt. Van Hoevenberg area is located in Zone 3 and is staffed by 17 uniformed officers. This regulatory division maintains 6 marked patrol vehicles (including a 4 wheel-drive Cherokee), 2 snow machines and 2 All-Terrain Vehicles (ATV). Officers perform regular patrols in the area and are also available for special events for security, traffic and emergencies as requested by Mt. Van Hoevenberg.

The Lake Placid Volunteer Fire Department serves the Mt. Van Hoevenberg site. The Department is located on River Street Extension in the Village of Lake Placid and has a staff of 60 volunteers and 5 full-time drivers and dispatchers. The Department maintains 2 (1,000 gal.) pumpers, an 85' ladder truck, a rescue vehicle, a 300 gallon tanker, a 3,000 gallon tanker, 2 fire boats and ice rescue equipment. All trucks are equipped with fire suppression foam (Class A and AFFF).

The Lake Placid Volunteer Rescue Squad serves the project area and is staffed by 40 volunteer members. The Squad maintains 2 rescue vehicles (1994 McCoy-Miller and 1995 McCoy-Miller).

Both vehicles are rigged with Advance Life Support (ALS) equipment including monitors and a Thomas Pack (similar to "Jaws of Life"). Ten members of the Squad are ALS certified and serve as crew chiefs. The Adirondack Medical Center at Lake Placid is the primary emergency facility utilized by the Squad. The Adirondack Medical Center of Saranac Lake is the next closest facility.

Both medical facilities are operated by the Adirondack Medical Center. The Placid Memorial Health Center has 24 hour emergency care, out-patient facilities, labs, radiology, physical therapy, sports medicine and dental and health care offices. The Adirondack Medical Center in Saranac Lake is a 98 bed facility that offers full in- patient services including OBGYN and surgical. The two facilities are staffed by a combined 38 active physicians.

The project site is located in the Lake Placid Central School District. The District is composed of an elementary school (K-5), located on Old Military Road and a combined junior high/senior high school located on Main Street. 2016-2017 enrollments for K-12 are 649 students. Enrollment declined by 29% over the last 17 years (269 students). The proposed project will not increase the number of students enrolled within the District and will not in any way affect the operation of the District or the enrollment figures.

Solid waste from Mt. Van Hoevenberg is transported to the North Elba Transfer Station located on Cascade Road. A town-owned construction and demolition debris landfill is also located on Cascade Road. Recyclables are sorted here and are transported to various recycling facilities. The solid waste is transported to the Adirondack Resource Recovery Facility in Washington County.

Electrical energy is presently supplied by Lake Placid Municipal Electric Company via a three-phase 13,200/7,620 volt line.

3. Local Land Use Plans

The Town of North Elba has a total land area of 157 square miles, representing approximately 8 percent of Essex County lands. The Town is entirely located in the Adirondack Park and contains multiple APA land use classifications. The State lands at Mt. Van Hoevenberg and in the surrounding area are classified according to the APSLMP administered by the APA. Private lands in the area are classified according to the Adirondack Park Land Use and Development Plan which is also administered by the APA.

Within the Town of North Elba, private land has been classified by the APA as "Hamlet", "Moderate Intensity Use", "Low Intensity Use", "Rural Use" and "Resource Management". State land has also been given APA land use designations; "Wilderness", "Wild Forest", "State Administrative", "Intensive Use", and "Historic" areas have all been classified within the Town of North Elba. The distribution of acres within these land use classifications is shown in **Table 4**.

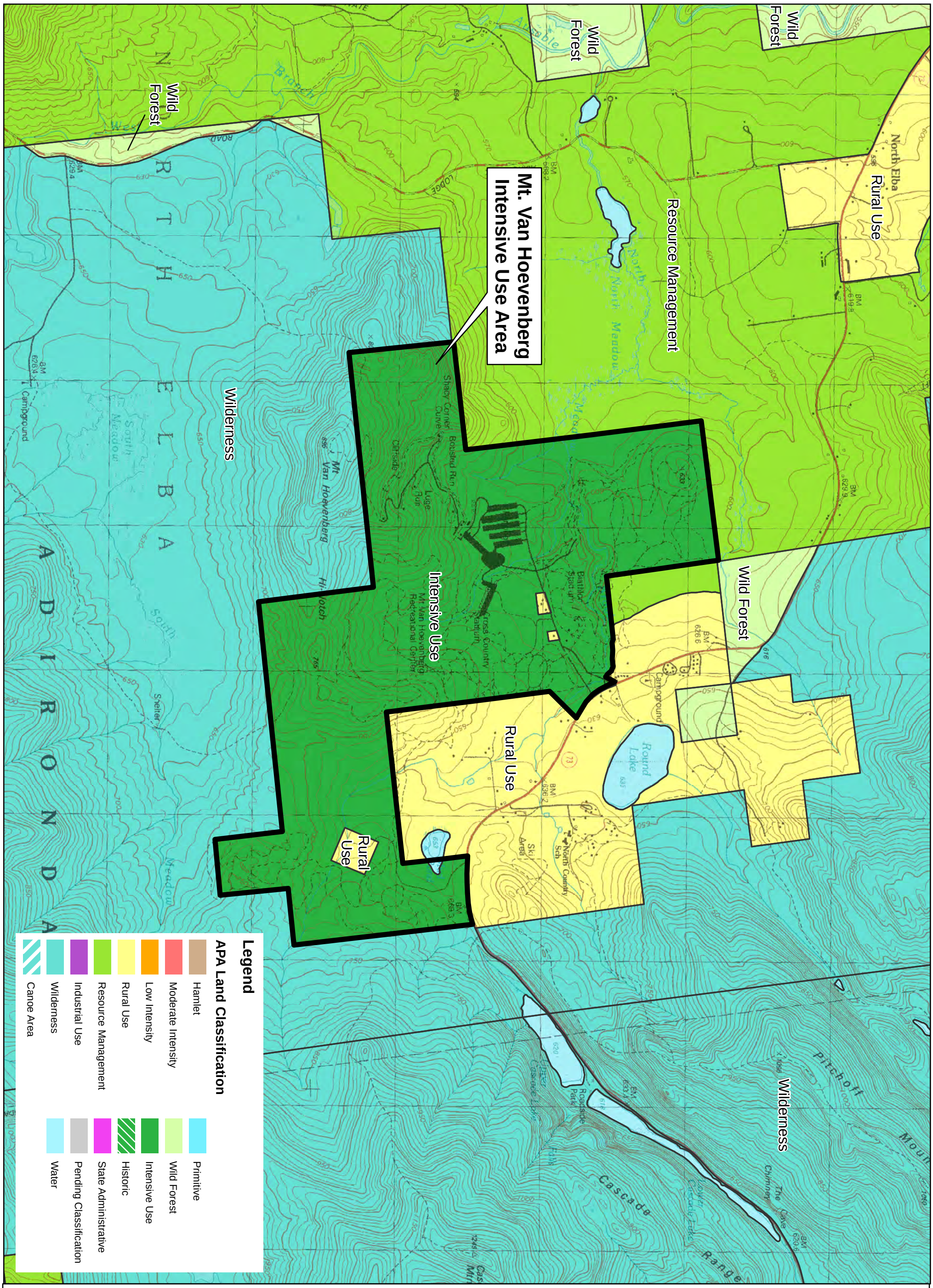
Table 4
Town of North Elba Private and State Land Use Distribution 2016

Land Use Classification	Acres	Percentage
PRIVATE LANDS		
Hamlet	2,236	11.4%
Resource Management	7,569	38.4%
Moderate Intensity	1,072	5.4%
Low Intensity	3,633	18.4%
Rural Use	5,197	26.4%
TOTAL	19,707	100%
STATE LANDS		
Wilderness	58,902	75%
Wild Forest	14,772	18.7%
Intensive Use	1,682	2.1%
Historic	114	<1%
State Admin.	231	<1%
TOTAL	78,845	100%

As shown on **Figure 10, Land Use Map,** the Olympic Sports Complex at Mt. Van Hoevenberg is bordered to the north by private land designated as "Resource Management" and State lands designated as "Wilderness and "Wild Forest". East of the project, the land area is designated "Rural Use" and "Wild Forest". West of the Complex, the land is "Resource Management" and south of the Complex is State owned land classified as "Wilderness". The High Peaks Wilderness Area has been designated in this area. The hiking trails which originate in the High Peaks Wilderness Area continue on the Olympic Sports Complex intensive use area. The High Peaks Wilderness Area encloses approximately 275,460 acres and is comprised of three distinct, but interrelated units: (1) the Ampersand Primitive Area, (2) the High Peaks Wilderness, and (3) the Johns Brook Primitive Corridor. The High Peaks Wilderness is the best known wilderness of the Adirondacks; it is the State's largest wilderness and receives the most visitation.

The Town of North Elba also regulates land use by the Local Land Use Code most recently revised in 1991. The Local Land Use Code designates residential, business and public and semi-public districts within the Town of North Elba. The remainder of land is classified as rural agricultural following the APA Land Use Classification boundaries and density requirements. The ordinance regulates land uses and area requirements and includes site plan review provisions.

A Comprehensive Land Use Plan was adopted by the Town of North Elba and the Village of Lake Placid in 1964 and was most recently updated in 2014. The Plan does not specifically refer to ORDA initiatives but rather concentrates on developing “ways of meeting the changing demographics and expectations of today’s traveler through enhanced customer services and the use of new marketing technologies that are provided in an eco-friendly and sustainable way.”



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Olympic Regional Development Authority
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Lake Placid, New York 12946

MT. VAN HOEVENBERG

Mt. Van Hoevenberg Preliminary Draft 2018
Unit Management Plan Amendment
& Draft Generic Environmental Impact Statement

Surrounding Land Use Classification

1 inch = 2,000 feet
0 1,000 2,000
Feet

Date: 12/22/2017
Project No: 2017004

Drawing No:
10

4. Historical and Archaeological Resources

The Mt. Van Hoevenberg Olympic Bobsled Run was listed on the State Register of Historic Places in 2009 and on the National Register in 2010. There are no known archaeological resources on the site or substantially contiguous to the site.

The one and one-half mile long bobsled run was constructed in 1930 and built specifically for the 1932 Winter Olympic Games. It was the only facility for the 1932 Olympics constructed at this location. Immediately adjacent to the bobsled run, is a contemporary combined luge and bobsled run built in 1999. A small portion of the 1999 combined run was built atop the path of the original bobsled run thereby destroying all evidence of the 1930 track in that location. The missing section included six hundred feet of track (of the original 7,820 feet) and one significant curve (Whiteface curve). The original length, steep topography, and twisting route of the 1930 track are still apparent however, enabling an understanding of the significant events of the 1932 Olympics. The historic site boundary includes the two intact sections of the bobsled run and the original access road. The site excludes the missing section of track, all adjacent buildings and features, which are outside the period of significance, as well as the entrance road and parking lot, which have been expanded and modernized to accommodate larger crowds.

Although there have been many changes to the site since 1932, the central and most important feature, the original bobsled run, survives with substantial integrity. It retains its original location amid a steep, heavily forested setting. It also retains most of its original design, structure, workmanship and materials and clearly recalls the grandeur and thrill of the important events of 1932. With the exception of the six-hundred foot section at Whiteface curve, the topographic, sculptural and structural qualities of the run are entirely intact.

The bobsled run is internationally recognized for its association with the 1932 Olympics and the rise of bobsledding as a sport in the United States, and the site is recognized by tourists and athletes from all over the world. The Mt. Van Hoevenberg Bobsled Run is an early and singular example of its type, and it is associated with a nationally significant event. This is the only resource that represents the early history of bobsledding in the United States and its role in the 1932 Olympics.

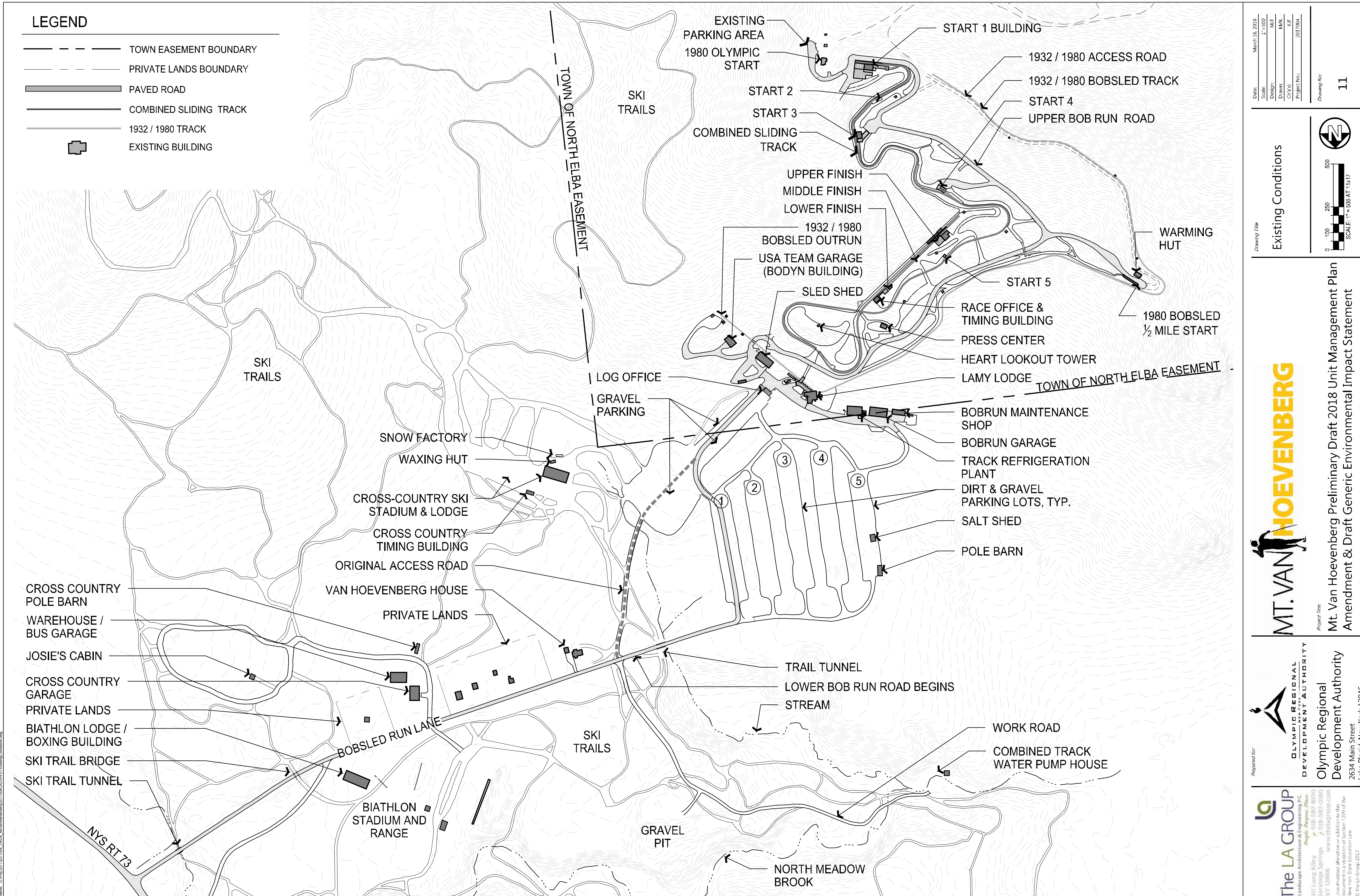
C. Man-Made Facilities

1. Inventory of Constructed Facilities

Figure 11, Existing Conditions, shows existing facilities. Also see **Figure 12, Trail Inventory**.

a. Combined Track

Construction of the Mt. Van Hoevenberg Combination Bobsled, Skeleton and Luge Track (aka the combined track or the track) was completed in 2000, and the track is considered one of the most technically demanding tracks for sliders of all disciplines, featuring 20 challenging curves, the



LEGEND
TOWN EASEMENT BOUNDARY
PRIVATE LANDS BOUNDARY
PAVED ROAD
COMBINED SLIDING TRACK
1932 / 1980 TRACK
EXISTING BUILDING
TOWN OF NORTH ELBA EASEMENT
SKI TRAILS
EXISTING PARKING AREA
1980 OLYMPIC START
START 1 BUILDING
1932 / 1980 ACCESS ROAD
1932 / 1980 BOBSLED TRACK
START 2
START 3
START 4
UPPER BOB RUN ROAD
COMBINED SLIDING TRACK
UPPER FINISH
MIDDLE FINISH
LOWER FINISH
1932 / 1980 BOBSLED OUTRUN
WARMING HUT
USA TEAM GARAGE (BODYN BUILDING)
START 5
SLED SHED
RACE OFFICE & TIMING BUILDING
1980 BOBSLED ½ MILE START
PRESS CENTER
HEART LOOKOUT TOWER
LOG OFFICE
LAMY LODGE
TOWN OF NORTH ELBA EASEMENT
GRAVEL PARKING
BOBRUN MAINTENANCE SHOP
BOBRUN GARAGE
SNOW FACTORY
WAXING HUT
TRACK REFRIGERATION PLANT
CROSS-COUNTRY SKI STADIUM & LODGE
DIRT & GRAVEL PARKING LOTS, TYP.
CROSS COUNTRY TIMING BUILDING
SALT SHED
POLE BARN
ORIGINAL ACCESS ROAD
VAN HOEVENBERG HOUSE
PRIVATE LANDS
CROSS COUNTRY POLE BARN
WAREHOUSE / BUS GARAGE
JOSIE'S CABIN
CROSS COUNTRY GARAGE
PRIVATE LANDS
BIATHLON LODGE / BOXING BUILDING
SKI TRAIL BRIDGE
SKI TRAIL TUNNEL
BOBSLED RUN LANE
NYS RT 73
TRAIL TUNNEL
LOWER BOB RUN ROAD BEGINS
STREAM
SKI TRAILS
WORK ROAD
COMBINED TRACK WATER PUMP HOUSE
BIATHLON STADIUM AND RANGE
GRAVEL PIT
NORTH MEADOW BROOK
1
2
3
4
5
Date: March 16, 2018
Scale: 1"=500'
Design: MJT
Drawn: KM/K
Ch'k'd: KJF
Project No.: 2017004
Drawing No: 11
Drawing Title
Existing Conditions
SCALE: 1" = 500 AT 11x17
0 100 250 500
MT. VAN HOEVENBERG
Project Title:
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Prepared for:
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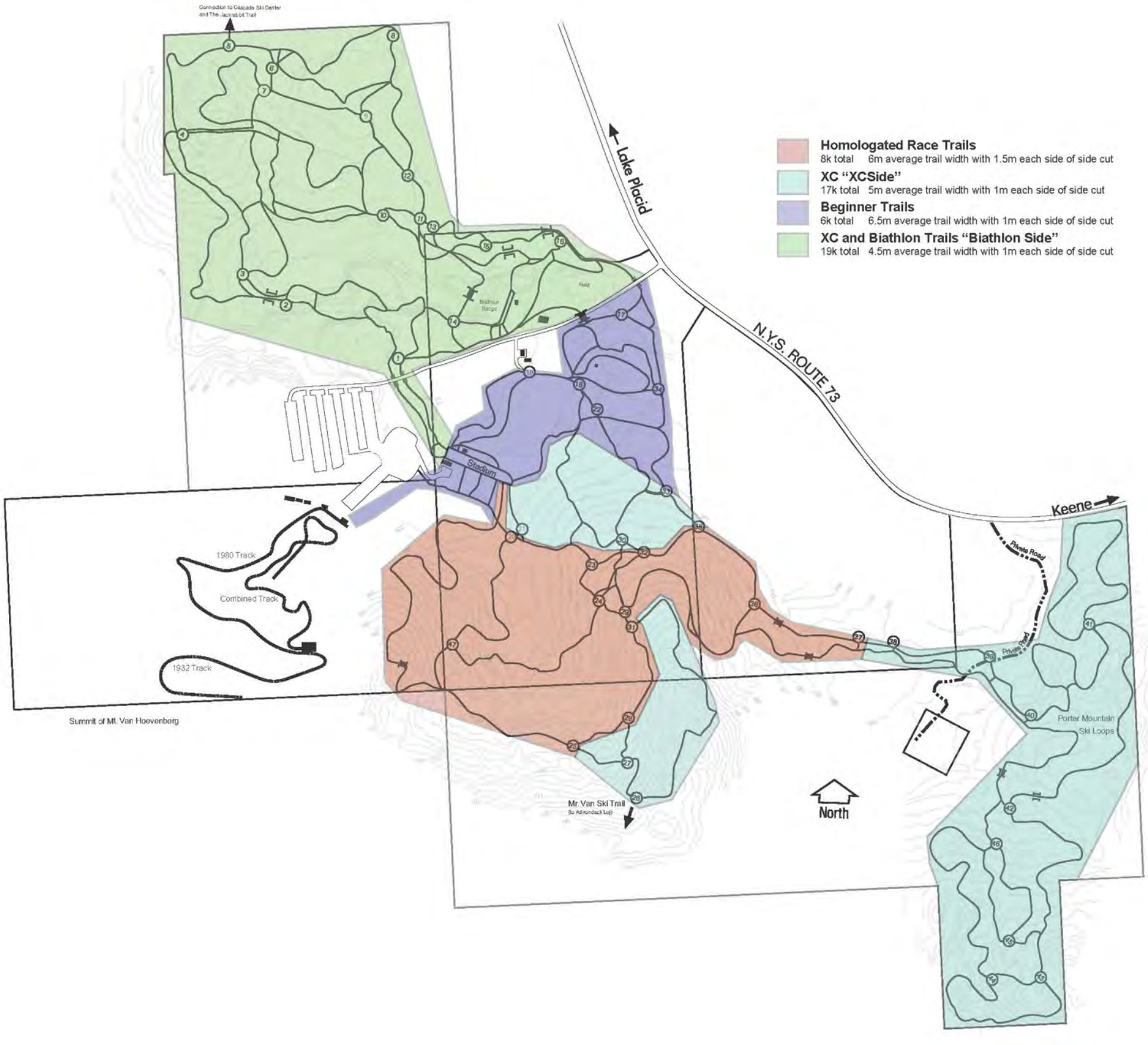

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& Draft Generic Environmental Impact Statement

Trail Inventory

Date: 03/08/2018
Project No: 2017004

Drawing No:

12

most number of curves for a competitive sliding track. One of the most notable features of the course is a heart-shaped omega known as “The Heart” which makes up the final quarter of the course at curves 19 and 20.

Track refrigeration is accomplished by using an ammonia system. Liquid ammonia is pumped under pressure through below-ground mains and its pressure is reduced allowing it to "boil" into gas. Its heat of vaporization- 317 calories per gram- makes ammonia an ideal refrigerant. The ammonia is then returned through mains to receivers and the cycle is repeated. The entire system is hermetically sealed allowing no ammonia vapor to escape into the atmosphere. However, should a leak develop, the ammonia would be greatly diluted. Its density is approximately half that of air at atmospheric pressure causing the vapors to rise. Compounds would then be formed which would fall with precipitation and would behave much like some commercial fertilizers. The 1999 UMP Amendment contains an Ammonia Spill Plan (Appendix H) and a Spill Prevention, Control and Countermeasure Plan (Appendix F) that remain in effect.

Sleds are carried to the start of the run by trucks using a paved road that runs around the outer side of the track (Upper Bob Run Road). This road is also used by maintenance personnel and for vehicular tours that are offered at the facility. There are multiple start buildings along the track that are used for different levels of training (i.e. National, Junior and Development) and for different competitive events (bob, luge, skeleton, men’s and women’s events).

Water for icing the track is obtained from North Meadow Brook and it is stored in two cisterns near the track. Water service is provided at various locations along the length of the track. Maintenance of the ice surface oftentimes occurs at night when the track is in use during the day. The track itself contains over 980 lights that remain on at all times during the time that the track is in operation. Generally, the track is operated from October through April or May. Likewise, lighting along the Upper Bob Run Road is turned on most nights for track maintenance operations during the period of track operations.

In addition to hosting sliding sport training and competitive events, rides are available to the public for a fee. Riders are accompanied by trained drivers and brakemen and start a half mile ride at Start 4.

Accommodations for spectators are mostly informal, and viewing locations are available along most of the length of the track. Up to 10,000 spectators, mostly standing, may be accommodated. Pedestrian bridges at strategic locations allow for a separation of vehicular and pedestrian traffic.

b. Cross Country Skiing

ORDA performed an inventory of existing ski trails for this UMP Amendment. See **Figure 12, Trail Inventory**. There are 50 km of ski trails.

There are 8 km of homologated race trails that average 6 m wide with 1.5 m wide on each side that are “side cut” for maintenance purposes. These trails are located to the south and

southeast of the cross-country stadium.

There are 6 km of what are considered beginner trails that average 6.5 m wide with 1m on each side that are side cut. These trails are located to the north and northeast of the cross-country stadium on generally flatter terrain.

Cross-country trails identified as being on the "cross-country side" are the remainder of the trails located south of the access road. There are 17 km of these trails that average 5 m wide with 1 m side cut on each side.

The remaining 19 km of existing trails are referred to cross-country and biathlon trails located on the north side of the entrance road. These trails average 4.5 m wide with 1 m of side cut on each side.

Overall, the trail terrain is varied, and slopes are between approximately 0 and 35%. While these trails have been designed to meet the public demand and offer varying degrees of difficulty, they also are required to meet Federation Internationale de Ski (FIS) specifications for international competition.

The loop or cloverleaf design directs the skiers through the start-finish stadium several times during a race. For spectator viewing, interval times, and food stations, this system is invaluable. For recreational skiers, the system allows great variety of length and degree of difficulty. During competitions, choice of loops can provide a Chief-of- Course with any combination to suit the particular race or class of competition.

Standing area for spectator viewing will accommodate 5,000 persons at the start-finish line near the Cross Country Lodge and along the trails.

c. Biathlon

Biathlon competition consists of a combination of cross-country skiing and periodic rifle target shooting during the distance skied.

The biathlon facilities at Mt. Van Hoevenberg, located just north of the access road, include over 20 kilometers of trail which has been approved for international competition. The courses were World Cup certified in October 1995 by the International Biathlon Union (IBU). Seven different combinations of loops make it possible to create internationally certified courses for the 7.5 kilometer, 10 kilometer, and 20 kilometer events. The complex of ski trails and firing range have been designed and constructed to complement the Olympic Sports Complex at Mt. Van Hoevenberg for use by both the competitor and the recreational skier.

The firing range itself is 50 meters long. Competitors currently shoot small bore .22 caliber rimfire rifles. The firing range faces north for the best shooting light and provides thirty-six targets.

In direct connection with the range there is a 250 meter (820 feet) start-finish area. The penalty

loop connects with the range in this same area. From this start-finish stadium, there are three major loop-type cross-country ski trails, thereby providing recreational skiing for the public during a competition on either system.

Each of these trails is bisected with several cut-off loops which may be used to provide varying length courses as demanded by the competitions. The 20 kilometer course has a vertical difference of 190 meters, a maximum climb of 55 meters, and a total climb of 560 meters.

There is a timing system for use during competitions and a public address system which covers the range and the start-finish area.

The spectator standing area for viewing at the start-finish line of the biathlon accommodates 3,000 persons.

d. Buildings

There are a total of 53 buildings in the intensive use area. These buildings are listed in the table below and the locations of many of the buildings are shown on **Figure 11, Existing Conditions**.

Table 5
Olympic Sports Complex Buildings at Mt. Van Hoevenberg

Facility	Area	Item	Type	Type	Size	Est. Year
Bobrun	1980 Track	1980 Start House	Building	Frame	19 X 28	1960
Bobrun	Combined Track	Start 1	Building	Frame	2 x 30 x 50	2002
Bobrun	Combined Track	Bob Start Hut	Hut	Log	4 x 8	2002
Bobrun	Combined Track	Luge Start Hut	Hut	Steel	8 x 12	N/A
Bobrun	Combined Track	Start 2 Hut	Hut	Frame	10 x 10	
Bobrun	Combined Track	Start 3 Building	Building	Frame	30 x 30	2002
Bobrun	Combined Track	Start 4 Building	Building	Log	14 x 17	2001
Bobrun	Combined Track	Curve 10 Mechanical Bldg	Building	Log	10 x 12	2001
Bobrun	Combined Track	Upper Finish	Building	Log	17 x 20	2001
Bobrun	Combined Track	Scale House	Building	Frame	12 x 20	1979?
Bobrun	Combined Track	Start 5 Hut	Hut	Frame	8 x 8	
Bobrun	Combined	Hose warming Hut	Hut	Frame		

	Track					
Bobrun	Combined Track	Middle Finish	Hut	Steel	10 x 11	N/A
Bobrun	Combined Track	Lower Finish	Building	Log	17 x 20	2001
Bobrun	Combined Track	Race Office & Timing Technology Center	Building	Frame	24 x 32	2008
Bobrun	Combined Track	TV Compound Electrical Building	Hut	Frame	10 x 12	2010
Bobrun	Combined Track	Press Center	Building	Frame	20 X 40	1978/79
Bobrun	1980 Track	7/8 Mile Start Hut	Hut			
Bobrun	1980 Track	Curve 7 Hut	Hut			
Bobrun	1980 Track	Curve 8 Hut	Hut			
Bobrun	1980 Track	1/2 Mile Start House	Building	Frame	20 x 40	
Bobrun	1980 Track	1/2 Mile Start Hut	Hut	Frame	8 x 12	
Bobrun	1980 Track	Zig-Zag Booth	Hut	Frame	8 x 8	
Bobrun	1980 Track	1/2 Mile Announcer's Booth	Hut	Steel	4 x 4	
Bobrun	Combined Track	Heart Lookout Tower	Area	Steel	4 x 4	1978/1979
Bobrun		USA Garage	Building	Steel	40 x 60	
Bobrun		Sled Shed	Building	Frame	40 x 98	
Bobrun		Lamy Lodge	Building	Frame	52 x 52	1967
Bobrun		Mt Pumphouse	Building	Frame	10 x 16	1931?
Bobrun		Log Office	Building	Log	20 x 38	
Bobrun		Telephone/ Communication Demark Hut	Hut	Wood		
Bobrun		Refrigeration Plant	Building	Steel	52 x 90	
Bobrun		Bobrun Garage	Building	Steel	50 x 100	
Bobrun		Bobrun Maintenance Shops	Building	Frame	28 x 72	
Bobrun		Plumbing and Storage Hut	Building	Log	12 x 20	
Bobrun		Parking Lot 5 Polebarn	Polebarn	Frame	24 x 60	
Bobrun		Parking Lot 5 Salt Shed	Shed	Steel	40 x 30	
X/C		Cross-Country Lodge	Building	Frame		1978/79

X/C		Waxing Hut	Building	Frame		
X/C		Snow Factory	Trailer			2016
X/C		Cross-Country Stadium Timing Building	Building	Frame		1978/79
		VanHoevenberg House	Building		26 x 56	
		VanHoevenberg House Garage	Building	Frame		
X/C		Cross-Country Garage	Building	Steel		
X/C		Warehouse/ Bus Garage	Building	Steel		
X/C		Cross-Country Polebarn	Polebarn			
X/C		Restrooms/ "Josie's Cabin"	Building			1978
X/C	Biathlon	Biathlon Lodge and Boxing Building	Building	Frame		
X/C	Biathlon	Biathlon Timing	Building	Frame		
X/C	Biathlon	Target Control	Hut	Frame		
X/C	Biathlon	Biathlon Range Officers Building	Building	Frame		
X/C		Snowfields Pumphouse	Building			
Bobrun		River Pump House	Building	Frame	14 x 20	1931?

e. Water Supply

See **Appendix 3, Engineering Report**, for details regarding water supply and sanitary wastewater disposal.

Potable water is furnished by a drilled well located near the Lamy Lodge. The yield of this well is 25 gpm. Peak consumption is 10,000 gallons/day or 28% of potential yield. There is also a drilled well which yields 6 gpm at the maintenance shop. Peak consumption of this water supply is 250 gallons/day (3% of potential yield). There is also a 25 gpm well near the cross-country lodge that has peak consumption of 2,000 gallons per day (5.6% of capacity). The 30 gpm well at the biathlon lodge has peak consumption of 5% of its 2,000 gallons per day capacity.

Water is also taken from North Meadow Brook and pumped to a 27,000 gallon cistern where it is used to ice the combined track.

f. Sanitary-Wastewater

See **Appendix 3, Engineering Report**, for details regarding water supply and sanitary wastewater disposal.

Sanitary wastewater handling includes conventional on-site, in-ground systems along with holding tanks that are regularly pumped out.

g. Parking

Figure 11, Existing Conditions, shows parking facilities near the combined track which are capable of handling 1,275 vehicles (assuming 90% cars, 10% buses). This central parking location provides for the combined parking requirements for the entire complex including sliding sports, cross-country, and biathlon. Parking is divided into five (5) lots which are numbered for administrative purposes. Additional limited parking is available adjacent to the biathlon and cross-country lodges and the combined track ticket booth. All parking areas consist of compacted sand and gravel.

h. Access Road

The New York State Department of Transportation has responsibility for maintaining the one mile access road, NY Route 913 Q, from its intersection with NY Route 73 at the entrance to the parking areas (Bobsled Run Lane). Facility staff maintains the roadway from this point (Lower Bob Run Road) as well as the parking areas and service roads.

i. Electric Distribution

Electrical energy is presently supplied by the Lake Placid Municipal Electric Company via a three-phase 13,200/7,620 volt line. Individual major buildings are metered separately. There are six tap lines on the site and they are as follows: 1) three phase primary tap to biathlon; 2) three phase primary tap to cross-country stadium; 3) single phase primary tap to pumphouse; 4) single phase primary tap to clubhouse and sled shed; 5) three phase primary tap to refrigeration plant and maintenance shops; and 6) single phase primary tap to top of the combined track. Existing electrical demand is approximately 1,500 kW in winter and 40 kW in the summer.

j. Gravel Pit

A gravel pit is located on the roadway to the water pumphouse northerly of the biathlon range, as shown on **Figure 11, "Existing Conditions."** Gravel is removed for on premise use continuously at all seasons as demand dictates. Approximately 250 tons of gravel is used annually.

k. Equipment Inventory

The intensive use area owns and maintains equipment ranging from office and computer equipment to furniture, carpentry equipment, trail grooming equipment, vehicles and

maintenance equipment. A complete listing of "Inventory Equipment" is available for review at ORDA headquarters in Lake Placid, New York.

2. Inventory of Systems

a. Management

Mt. Van Hoevenberg was built in the early 1930's and was first opened to the public in 1932 for the III Olympic Winter Games. Early management was under the direction of the Bureau of Winter Recreation, Conservation Department (now known as the Department of Environmental Conservation). On October 4, 1982, management was delegated to the Olympic Regional Development Authority (ORDA) through an agreement with DEC, authorized by Chapter 99 of the Laws of 1984 (Article 8, Title 28, Section 2614, Public Authorities Law).

This agreement transferred to ORDA the use, operation, maintenance and management of the sports complex. DEC remains the statutory custodian of the State-owned recreation area. Under the agreement, ORDA is to maintain the facility subject to DEC inspections; make capital improvements with DEC's prior written approval; establish a fund for capital improvements; continue the level of prior public recreation; comply with specified prior agreements; and cooperate with DEC in completion of a Unit Management Plan for the Intensive Use Area.

In 1991 DEC and ORDA entered into a Memorandum of Understanding superseding a 1984 memorandum between the parties, establishing methods and procedures by which managerial requirements contained in the underlying DEC/ORDA management agreements are to be complied with, and setting forth requirements for the operation of ORDA facilities and detailing procedures on how Unit Management Plans for each of the ORDA facilities are to be implemented. This 1991 MOU was incorporated into the current (2013) DEC/ORDA Consolidation Agreement that covers Whiteface, Gore, the Memorial Highway and Mt. Van Hoevenberg. A copy of the Consolidation Agreement is provided in **Appendix 1**.

b. Organization

The New York State Olympic Regional Development Authority (ORDA) was created in 1981 by the State Legislature as a public authority to oversee and manage the Olympic facilities in an effort to insure continued use and enjoyment of the facilities by the public. The ORDA Board of Directors is composed of ten members, three of these the Commissioners of the NYS Department of Environmental Conservation, Economic Development, and Parks & Recreation Departments, and the remaining seven appointed by the Governor of the State of New York, by and with the consent of the Senate. The staff is led by the Authority's President and Chief Executive Officer.

c. Operations

The Olympic Sports Complex is open from 10 am to 4 pm during the summer and from 9 am to 4 pm during the winter. A watchman is present until 9 pm during the summer. In wintertime there is staff on the site 24 hours a day.

Personnel employed at Mt. Van Hoevenberg vary with the season. During the winter season there are approximately 30 permanent and 60 seasonal staff.

d. Contractual Arrangements

The cross-country lodge has a food service contract for the winter with Green Goddess LLC, a local Lake Placid Vendor. This is an annual contract with automatic renewal each year over a period of 5 years set to expire in 2019.

Ski Shop and Ski Rental Operations are now managed with in-house resources.

Mountain Bike Center - ORDA has an agreement with High Peaks Cyclery, to operate a mountain bike facility which includes trail usage, equipment rental, repair and sales, food and beverages sales, and special events including races, demo days, instruction and other appropriate activities. The agreement continues on an annual contract basis.

D. Public Use of the Olympic Sports Complex

The goal of this UMP Amendment is to offer quality year-round recreation/competition programs on publicly owned lands for the benefit and enjoyment of the people of New York State, the United States and the international sports community. The following discussion outlines the primary events and uses at the facility throughout the year.

1. Major Events

Lake Placid facilities enjoy an extensive national and regional calendar in many winter sports. Major events at Mt. Van Hoevenberg are the World Cups in Bobsled, Skeleton, Luge and Paralympic Bobsled and the USCSA National Championships in Cross Country. Listed below are the major 2017-2018 sports events by venue hosted by ORDA at the Olympic Sports Complex. The following lists the major events under each sports category:

<u>Cross-Country Events</u>
- Harry Eldridge Memorial X-C Ski Race
- Mt. Van Hoevenberg X-C Demo Days
- High Peaks Cyclery X-C Marathon
- Cross-Country Jr. Olympic Qualifying Race
- Lake Placid Loppet and Kort Loppet (25 & 50 K races)
- Intercontinental Cup (Nordic Combined)
- Subaru US Cross-Country Skiing Championship
- Empire State Winter Games

<u>Biathlon Events</u>
- US Biathlon World Team Trials
- Empire State Winter Games

Bobsled Events

- Man Bobsled Race-Ed Grant Memorial
- US 2-Man Bobsled National Championship and World Team Trials
- US 4-Man Bobsled National Championship and World Team Trials
- FIBT 2-Man Bobsled Race
- FIBT 4-Man Bobsled Race
- 4-Man Bobsled Race-Le der le Trophy
- Man Bobsled Race-Bunny Sheffield Memorial
- 4-Man Bobsled Race-USBSF Cup
- Geoff Bodine International Invitational Bobsled Competition
- 2-Man Bobsled Race-US Masters National Championship
- US Masters Women's National Championship

Luge and Skeleton Events

- US Luge-Club Championship
- US Luge-Masters National Championship
- US Luge-Senior Seeding Race
- US Luge-Junior Seeding Race #1
- US Luge-Junior Seeding Race #2
- World Junior Luge Championships
- US Luge-Junior National Championship
- Skeleton World Cup
- USBSF Skeleton Nat'l Championship
- Empire State Winter Games

2. Visitor Use

a. Visitor Base

Existing visitor use is confined to two activities: spectators and active users of the facilities. Numbers are highly dependent on snow cover and therefore vary widely. Over the past five years, total Olympic Sports Center visitation ranged from a low of 15,963 (2014-2015) to 18,687 in 2013-2014. Summer admissions for this period reached a high 2012-13 and have been decreasing over the last four years. At the same time, winter admissions have risen to the point in which summer and winter admission numbers are about even (Table 6). It appears that total annual visitation, without considering bobsled ridership numbers at the OSC is stable, but not in growth mode.

Summer visitation at MVH mostly takes the form of mountain biking and bobsled rides. Contracts with mountain bicycle concessionaires and the increasing popularity of mountain biking as a sport in particular have contributed to increasing usage of the Olympic Sports Complex during the summer months. Wheeled bobsled rides to the public during the summer started in 1995 and are proposed to continue indefinitely resulting in a significant contribution to the year-round economy.

Table 6
Olympic Sports Center Total Visitor Numbers 2012-2017

Year	Summer Admissions	Winter Admissions	Total Annual Admissions
2012-13	11,833	6,851	18,684
2013-14	10,947	7,740	18,687
2014-15	8,794	7,169	15,963
2015-16	8,809	9,349	18,158
2016-17	9,017	8,671	17,688

An additional source of visitors is to the Sliding Center where bobsled rides are offered. The following table reports the total visitation.

Table 7
Olympic Sports Center Ride and Visitation Numbers

Year	Total Admissions	Total Ridership	Total Visitors
2012-13	18,684	18,413	37,097
2013-14	18,687	21,701	40,388
2014-15	15,963	20,001	35,964
2015-16	18,158	15,559	33,717
2016-17	17,688	16,138	33,826

b. Sliding Center

The combined track set the mark again for the longest season in the world. During an almost six-month stretch, more than 25,000 competition, training and recreation trips went down the one-mile long, 22-curve course. Sliding Center visitors are characterized into two groups. They include passenger bobsled participants and general admission guests. More than 16,000 people participated in the center's various passenger ride programs and 17,500 guests toured the historic facility.

The Sliding Center's busiest period is during the winter months. Competition and athlete training account for the bulk of the number of runs down the track. Taking them into account, as well as the public, the mile long facility handled more than 25,000 trips down. Luge again accounted for the most number of trips down the course, with almost 11,000, while two-man, four-man and women's bobsled athletes made a combined 3,000 trips down. Skeleton athletes traveled down the course almost 5,000 times and 6,500 public rides were counted. Ridership occurs in about the same numbers during the summer and winter seasons.

Table 8
Olympic Sports Center Ride Numbers

Year	Summer Rides	Winter Rides	Total Riders
2004-05	11,452	12,675	**24,127**
2005-06	11,856	15,106	**26,962**
2006-07	10,591	12,632	**23,223**
2007-08	8,418	11,919	**20,337**
2008-09	8,342	8,859	**17,201**
2009-10	7,766	13,909	**21,670**
2010-11	6,762	13,839	**20,601**
2011-12	7,200	11,008	**18,208**
2012-13	7,496	10,917	**18,413**
2013-14	7,665	14,036	**21,701**
2014-15	7,591	12,410	**20,001**
2015-16	7,181	8,378	**15,559**
2016-17	7,356	8,782	**16,138**

c. Nordic Center

This venue is highly reliant on good snow cover. It operated for 135 days and had almost 35-thousand skier visits during the 2016-17 season. This was a gain of 98 more days of operation and 23-thousand more skier visits on the center's Olympic trails. Total visitation accounts for all season pass and athlete training days as well as usage by racing competitors. Daily ticket sales reflect all single and multi-day trail passes sold and accounted for 14,000 skier visits last year. Visitation and use at the Nordic Center has risen substantially over the last 10 years. Total attendance rose 44% since its reported low of 19,400 in the 2005-06 season.

Table 9
Nordic Center Ticket Sales and Attendance

Year	Day Ticket Sales	Total Attendance
2005-06	8,631	19,400
2006-07	7,890	16,400
2007-08	10,738	20,200
2008-09	8,735	19,425
2009-10	10,161	28,486
2010-11	11,230	30,736
2011-12	4,748	16,620
2012-13	8,812	23,102
2013-14	14,648	29,188
2014-15	15,832	35,392
2015-16	5,846	12,444
2016-17	14,082	34,729

SECTION III MANAGEMENT AND POLICY

A. Orientation and Evolution of Management Philosophy

ORDA's central management goal stated in the original 1986 UMP:

The Olympic Region Development Authority shall continue to institute comprehensive activities utilizing the Olympic Sports Complex at Mt. Van Hoevenberg to insure optimum year-round use and enjoyment of the facilities to the economic and social benefit of the Olympic region and to extend opportunity to improve the physical fitness, athletic education and recreational education of the people of New York State and the United States pursuant to the Public Authorities Law, the Adirondack Park Agency Act, and the Environmental Conservation Law, in harmony with the Adirondack Park.

Subsequent to adoption of the 1986 UMP it has become evident to Mt. Van Hoevenberg management that certain improvements are required to maintain the facility at a level suitable for use by athletes and recreators alike. The cross-country and biathlon trails and the bobsled and luge runs are outdated designs and create significant hazards for users. Mt. Van Hoevenberg management has placed an emphasis on facility modernization and improvement in order to achieve the goal stated in the 1986 UMP. Mt. Van Hoevenberg management believes that modernizing the facility will improve skier safety, -provide a higher quality recreational and competitive experience and increase local and regional economic benefits.

ORDA's central management goal and management philosophy is as follows:

"The Olympic Regional Development Authority will continue to provide a safe, quality, recreational experience to the public and promote both local and regional economic benefits through its responsibility to manage and operate the Olympic Sports Complex at Mt. Van Hoevenberg to the highest standard."

ORDA's goals and management philosophy have evolved since its inception following the 1980 Olympic Games. Originally created as a management organization with a priority of providing a safe, quality, recreational experience, ORDA has expanded its operational philosophy to encompass business strategies that are similar to leaders in the ski resort and sports industry. It is recognized that ORDA's unique portfolio of assets, have an ability to positively impact the economies in which it operates. In addition, ORDA's sporting events, attractions, and training facilities enhance people's lives.

Today, ORDA continues to build on the foundation of its mission and is deploying a philosophy that will allow the organization to be sustainable long into the future. This will be accomplished through strategic planning and open communication both internally and externally with all constituents. The business priorities are organized into three categories:

1.) Revenue Growth and Opportunities
2.) Capital Projects and Development
3.) Organizational Excellence

Within each of these categories, ORDA's centralized team works with management teams to develop strategic business plans for each venue that are in line with ORDA's goals and objectives. Short descriptions of these priorities are as follows:

Revenue Growth and Opportunities

Each year, management teams evaluate short term and long term concepts to increase revenue. Additionally, they explore opportunities in hosting major events, creating new partnerships that amplify ORDA's offerings, and overall, provide guests with the best experience. ORDA measures success through end of the year evaluations in specific revenue segments, visitation numbers, event profit and loss statements, and NPS (Net Promoter Score). (NPS is system utilized by leading resort operators in the industry and has been directly correlated with the ability to increase visitation and revenue.)

Capital Projects and Environment

Capital projects will be initiated thru management and in line with ORDA's strategic plans. General priorities include refurbishment of outdated structures for safety, development or improvement of attractions or infrastructure that enhance the guest experience or allows ORDA to increase visitation and revenue.

Many ORDA venues exist within the boundaries of State protected lands and the impact of climate change on our environment is recognized. ORDA will be a leader in environmental stewardship with consistent commitment to sustainability, responsible development practices, and continuous communication with DEC, APA, and other regulatory agencies to ensure we are taking the appropriate measures.

Organizational Excellence

ORDA will strive for organizational excellence in every facet of its operation. From financial management, team building, communication, education, strategic planning, to overall safety, organizational excellence is a vision where every employee focuses on ways to improve or positively influence our operations.

B. Regulatory Issues

Management and operation of the Olympic Sports Complex at Mt. Van Hoevenberg is affected by a variety of regulatory issues. Such issues influence the nature and scope of permissible activities at the Complex. Significant regulatory issues are as follows:

1. New York State Constitution Article XIV

Article XIV states that Forest Preserve land, as currently fixed by law, either presently owned or acquired in the future by the State, will be kept forever as wild forest lands. As such, Forest Preserve lands cannot be leased, sold or exchanged, or be taken by any public or private corporation. Timber on Forest Preserve land subject to certain expressed exceptions, cannot be removed, sold or destroyed.

It is essential, therefore, that development and tree removal on forest preserve lands at the Mt. Van Hoevenberg Sports Complex be consistent with the mandates of Article XIV as it has been interpreted over the years by the courts and in a series of Attorney General opinions. The leading cases interpreting Article XIV are the Association for the Protection of the Adirondacks v. McDonald, 228 A.D. 73 (3d Dept. 1930), affirmed 253 N.Y. 234; Balsam Lake Anglers Club v. DEC. 199 A.D. 2d 852 (3rd Dept. 1993); and Protect the Adirondack Inc. v DEC (2017).

In McDonald, the Appellate Division, in declaring a proposed bobsled run at Mt. Van Hoevenberg unconstitutional, construed the meaning of "forever wild" as used in Article XIV: "Its uses for health and pleasure must not be inconsistent with its preservation of forest lands in a wild state. It must always retain the characteristics of a wilderness. Hunting, fishing, camping, mountain climbing, snowshoeing, skiing or skating find an ideal setting in nature's wilderness." Also, "No artificial setting is required for any of these purposes. Sports which require a setting which is man-made are unmistakably inconsistent with the preservation of these forests lands in the wild and natural state in which Providence has delivered them."

In large part, McDonald focused on the amount of trees to be cut and removed for the proposed bobsled facility. Dicta within that decision indicates that reasonable cutting of trees is permissible when necessary to enable the public to safely use forest preserve lands, so long as such cutting is "immaterial", i.e., does not detract from the wild forest character of the forest preserve. In other words, the amount of trees that can constitutionally be cut and removed is determined on a case-by-case basis.

McDonald emphasized that the forest preserve is for use by the public:

"The Forest Preserve is preserved for the public; its benefits are for the people of the State as a whole. Whatever the advantages may be of having wild forest lands preserved in their natural state, the advantages are for every one (sic) within the State and for the use of the people of the State. Unless prohibited by the constitutional provision, this use and preservation are subject to the reasonable regulations of the Legislature."

"What regulations may reasonably be made by the Commission for the use of the park by campers and those who seek recreation and health in the quiet and solitude of the north woods is not before us in this case. The Forest Preserve and the Adirondack Park within it are for the

reasonable use and benefit of the public, as heretofore stated. A very considerable use may be made by campers and others without in any way interfering with this purpose of preserving them as wild forest lands."

McDonald, then, certainly does not interpret Article XIV as an absolute prohibition but, rather, contemplates considerable use of forest preserve lands by the public, subject to reasonable regulations.

In the Balsam Lake case, the Appellate Division dealt, in part, with the issue of whether to annul a negative declaration (under SEQRA) issued by the Department of Environmental Conservation that the implementation of the Balsam Lake Mountain Wild Forest Unit Management Plan would not have a negative impact upon the environment on lands classified as "wild forest" by the Catskill Park State Land Master Plan. The Unit Management Plan called for, among other actions, the construction of five new parking lots, the designation of two existing campsites as lawful campsites, the relocation of existing trails and the construction of a new hiking trail, and the construction of a cross-country ski trail loop.

The Appellate Division, in upholding the Department of Environmental Conservation's action, found, in interpreting the Article XIV provision that timber on forest preserve lands cannot be sold, removed, or destroyed, that "(a)although this provision would appear... to prohibit any cutting or removal of timber from the forest preserve, the Court of Appeals, noting that the words of the NY Constitution must receive a reasonable interpretation, has construed (in McDonald) this provision as prohibiting the cutting or the removal of ... trees and timber to a substantial extent", and indicated "that only those activities involving the removal of timber 'to any material degree' will run afoul of the constitutional provision."

The Appellate Division, in the Balsam Lake case, specifically found that the addition of the five parking areas and the relocation of certain trails are not improper uses of the forest preserve, nor do they involve unconstitutional amounts of cutting. The Court found that "these proposed uses appear compatible with forest preserve lands, and the amount of cutting necessary is not unconstitutionally prohibited."

Aside from an easement issue not pertinent here, the Appellate Division further found a rational basis existed for DEC's negative declaration.

In addition to the leading case law discussed above, there have been a series of Attorney General opinions that provide further guidance. In the interest of public safety and in consideration of the development of protective and recreational facilities, it has been necessary for the Department of Environmental Conservation, as the managing authority for Forest Preserve Lands, to periodically ascertain the limitations of legislative intent from the State Attorney General pertaining to the cutting, removal and destruction of trees.

In instances where cutting has not been sanctioned by constitutional amendments, the opinion

and interpretation of the State's Attorney General has been sought on allowable cutting activities. One such opinion, dated January 18, 1934, pertaining to ski trail construction state: "ski-trails (cross-country) may be constructed by the Conservation Department in the Forest Preserve when cutting trees to any material degree, will not be necessary and the wild forest character of the Preserve will not be impaired."

In addition, trees may be removed for several other purposes. An Attorney General's opinion dated February 5, 1935 authorizes the removal of trees in the Forest Preserve that endanger public safety.

An Attorney General's opinion dated September 20, 1934 allows the use or removal of vegetation for surveying triangulation stations, where these stations serve as an aid to the conservation work of the State, and where the number of small trees used or removed for the work appear immaterial.

The cutting of trees to establish scenic vistas is addressed in an Attorney General's opinion of January 17, 1935. In this opinion, vistas may be established as long as the work is "carried on with care in order that the tree removal may not be sufficient to pass the point of immateriality." Before the creation of a vista, alternate locations in the area and alternate methods of achieving the view must be considered. For example, a more sparsely wooded site might be found, or an observation platform erected.

The salvage of windfall timber is authorized when it is determined that it represents a fire hazard in an opinion dated July 26, 1945. Salvaged timber cannot be sold or given away to anyone who may sell it, but it can be used for any project under Department of Environmental Conservation jurisdiction.

A June 24, 1986 Attorney General Opinion (No. 86-F3) addresses the issue of whether the DEC may cut live-standing trees for use in the maintenance of existing trails in the forest preserve. The opinion concludes that: "The carefully planned and supervised selective cutting in the forest preserve of only those few scattered trees necessary for the maintenance of popular and steep trails to lessen soil compaction, erosion and the destruction of vegetation may be conducted consistent with the "forever wild" provisions of the State Constitution, as long as it does not occur to any material degree."

In a February 22, 1996 opinion, the Attorney General concluded that DEC may not issue four temporary revocable permits to authorize installation of electrical cable and other equipment on the beds and shorelines of Raquette Lake and Big Moose Lake. Applying the reasoning of McDonald, the Attorney General found that the cable would not serve a public use permitted in the forest preserve, and that it would not benefit the public at large by facilitating the enjoyment of the preserve.

Considering the guidelines established by applicable case law and opinions of the Attorney

General it would appear that the management actions proposed in this unit management plan, composed largely of improvement to long-standing existing cross country ski trail facilities, are consistent with the mandates of Article XIV. The proposed tree cutting and vegetative removal, while significant in number, appears reasonable in relation to the overall size of the terrain encompassing the proposed actions, and the substantial public benefit to be derived from the improved outdoor recreational amenities to be provided. As expressed in McDonald, a very considerable use may be made by the public and others without in any way interfering with the purpose of preserving the forest preserve as wild forest lands.

The Olympic Sports Complex Unit Management Plan and supporting DGEIS provide the necessary framework and procedures to ensure compliance with the standards and guidelines discussed above. Adherence to the DEC Commissioner's Tree Cutting Policy (Organization and Delegation Memorandum 84-06 and Division Direction LF-91-2) is mandated in the 1991 DEC/ORDA Memorandum of Understanding (incorporated into the 2013 Consolidation Agreement) for the implementation of Unit Management Plans. The Memorandum of Understanding requires approval of the DEC Director of the Division of Lands and Forest for the cutting of any vegetation at the State Facilities under ORDA's control. The request for approval to cut trees for the purposes of new construction, expansion or modification of projects must be submitted in writing and include specifically required detailed information. Furthermore, the DEC policy and procedures were amended in 1986 to include the requirement for adequate notice in the Environmental Notice Bulletin to the public as to the number of trees proposed to be cut and the size of the land involved on specific projects. These requirements combine to assure that the test for "carefully planned and supervised selective cutting" will be met.

The reasonableness of these actions is also manifested in Mt. Van Hoevenberg's classification as an "intensive use area" in the Adirondack Park State Land Master Plan. It is significant, in this regard, that the Court, in the Balsam Lake case, found proposed campsite facilities on forest preserve lands classified as "wild forest" to be compatible with forest preserve lands, and the amount of cutting necessary not unconstitutionally prohibited. Wild forest areas are considerably more restricted in their contemplated use than are intensive use areas such as Mt. Van Hoevenberg. The primary wild forest management guideline is to protect the wild forest setting and to provide those types of outdoor recreation that will afford public enjoyment without impairing the wild forest atmosphere. An intensive use area, on the other hand, is an area where the State provides facilities for intensive forms of outdoor recreation by the public, and where a primary management guideline is "to provide the public opportunities for ... cross country skiing under competitive or developed conditions...in a setting and on a scale that are in harmony with the relatively wild and undeveloped character of the Adirondack Park."

While the State Land Master Plan does not purport to resolve Article XIV issues, this legislatively mandated plan governing the use and development of forest preserve lands within the Adirondack Park by State agencies does provide a sound basis for rational use of these lands through a deliberately conceived plan and regulated implementation process.

Accordingly, it is submitted, the proposed management actions constitute a reasonable use of the forest preserve, serve a public purpose and benefit, are "in harmony with the relatively wild and undeveloped character of the Adirondack Park," and, therefore, are consistent with the mandates of Article XIV of the State Constitution.

Timber cut for construction of proposed improvements on the Olympic Sports Complex will be used on-site or at other locations within the Forest Preserve for firewood, or will be used for such purposes as picnic tables, erosion control, foot bridges, and similar construction projects.

2. Adirondack Park State Land Master Plan

The APSLMP classifies State Lands in the Forest Preserve according to their character and capacity to withstand use and sets forth general guidelines and criteria for the management and use of State lands. The SLMP classifies the Olympic Sports Complex at Mt. Van Hoevenberg as an Intensive Use Area. Intensive Use Areas are defined as follows:

"An intensive use area is an area where the State provides facilities for intensive forms of outdoor recreation by the public. Two types of intensive use areas are defined by this plan: campground and day use areas."

"These areas provide overnight accommodations or day use facilities for a significant number of visitors to the Park and often function as a base for use of wild forest, wilderness, primitive and canoe areas."

Specific guidelines for management and use which apply to Intensive Use Areas include:

"The primary management guideline for intensive use areas will be to provide the public opportunities for family group camping, developed swimming and boating, downhill skiing, cross country skiing under competitive or developed conditions on improved cross country ski trails, visitor information and similar outdoor recreational pursuits in a setting and on a scale that are in harmony with the relatively wild and undeveloped character of the Adirondack Park.

"All intensive use facilities should be located, designed and managed so as to blend with the Adirondack environment and to have the minimum adverse impact possible on surrounding State lands and nearby private holdings. They will not be situated where they will aggravate problems on lands already subject to or threatened by overuse, such as the eastern portion of the High Peaks Wilderness, the Pharaoh Lake Wilderness or the St. Regis Canoe Area or where they will have a negative impact on competing private facilities. Such facilities will be adjacent to or serviceable from existing public road systems or water bodies open to motorboat use within the Park."

"Construction and development activities in intensive use areas will: avoid material alteration of wetlands; minimize extensive topographic alterations; limit vegetative clearing; and,

preserve the scenic, natural and open space resources of the intensive use area."

"Priority should be given to the rehabilitation and modernization of existing intensive use areas and the complete development of partially developed existing intensive use areas before the construction of new facilities is considered."

"No new structures or improvements at any intensive use area will be constructed except in conformity with a final adopted unit management plan for such area. This guideline will not prevent the ordinary maintenance rehabilitation or minor relocation of conforming structures or improvements."

Specific to the Mt. Van Hoevenberg Intensive Use Area, the APSLMP states the following:

“The Mt. Van Hoevenberg Recreation Area should be maintained as a year-round sports facility meeting international standards for such sports as bobsled, luge, biathlon, and cross country skiing on improved cross country ski trails under developed, competitive conditions.”

3. 1986 Unit Management Plan and 1999 Amendment

The 1986 Mt. Van Hoevenberg Recreation Area Unit Management Plan and the 1999 Amendment thereto are still in force and governs permissible activities at Mt. Van Hoevenberg. Projects approved in the 1986 UMP and the 1999 UMP Amendment are discussed in Section I. F.

4. Environmental Conservation Law

Section 9-09031 of the Environmental Conservation Law places the "care, custody and control" of the Olympic Sports Complex with the Department of Environmental Conservation.

5. Olympic Regional Development Authority Act

The Olympic Regional Development Act (Article 8, Title 28, NYS Public Authorities Law) establishes the Olympic Regional Development Authority (ORDA) and sets forth its responsibilities, functions and duties. The authority operates and manages the Olympic Sports Complex at Mt. Van Hoevenberg under an agreement with the Environmental Conservation Department, entered into on October 4, 1982, amended November 10, 1982 and April 1, 1984, pursuant to the Public Authorities Law, Section 2614.

6. DEC-ORDA Memorandum of Understanding and Consolidation Agreement

The DEC and ORDA implement their mutual responsibilities for management of the Olympic Sports Complex through a Memorandum of Understanding (MOU) dated March 8, 1991. The MOU sets forth mutually agreeable methods and procedures by which managerial

requirements are implemented. The MOU also establishes the means by which the existing UMP is implemented. Such means generally involve notification, inspection and review of actions to ensure compliance with the UMP and applicable regulations.

In 2013 DEC and ORDA entered into a Consolidation Agreement that, in part, incorporates the 1991 MOU. A copy of this *Agreement Consolidating the Management Agreements for the Gore Mountain Ski center, the Whiteface Mountain Ski Center and Memorial Highway, and the Mt. Van Hoevenberg Recreation Area* is in **Appendix 1**. The 2013 Consolidation Agreement reestablishes the procedures for preparation of UMP's including such things as UMP content, UMP conformance with the SLMP, and the roles of ORDA, DEC and the APA in preparation, review and approval of UMPs.

7. Other Regulations

The Department of Environmental Conservation regulates sanitary waste disposal systems at the Complex and the Department of Health regulates water supply and food service facilities.

Petroleum storage tanks are managed and regulated in compliance with NYSDEC Petroleum Bulk Storage Regulations.

Construction activities will comply with NYSDEC SPDES General Permit for Stormwater Discharges from Construction Activity (Permit No. GP-0-15-002).

SPDES registrations are in place for the existing inground wastewater treatment systems and these registrations will be maintained.

Operation of the ammonia gas treatment units are regulated under a NYSDEC air permit.

B. Management Goals and Objectives

Olympic Sports Complex Management has established goals and objectives in line with ORDA's key priorities:

1.) Revenue Growth and Opportunities
2.) Capital Projects and Environment
3.) Organizational Excellence

1.) <u>Revenue Growth and Opportunities</u>

a. The Olympic Sports Complex will offer quality year-round recreational/competition programs on publicly owned lands for the benefit and enjoyment of the people of New York State, the United States and the international sports community.

b. The Olympic Sports Complex will be an economic catalyst to strengthen the private sector and local government economies.

c. The Olympic Sports Complex will seek to improve the quality of facilities at the Complex in order to continue to attract competitive and recreational athletes from New York State, the United States and the international sports community, in order that public use may better help promote the economy of the area.

d. The Olympic Sports Complex will seek to improve its economic return by making the mountain more attractive to professional athletes and recreators, and thus increasing ticket sales.

e. The Olympic Sports Complex will seek to develop new summer and other off-season events to provide greater year-round use of the facility by the public, consistent with Article XIV and the SLMP.

f. The Olympic Sports Complex will seek to improve skier experience by providing snowmaking and night lighting on certain biathlon and cross-country ski trails.

g. The Olympic Sports Complex will seek to establish the Olympic Sports Complex as an international caliber facility for competitive events in bobsled, luge, biathlon and cross-country skiing meeting international standards for competition.

2.) Capital Projects and Environment

a. The Olympic Sports Complex will protect the natural resource base in accordance with environmental conservation laws and all other applicable laws and regulations of the State of New York. Management will accomplish this by maintaining an on-going dialogue with the DEC and APA on matters of environmental concern.

b. The Olympic Sports Complex will seek to improve skier experience by developing the biathlon lodge as a recreational lodge and by expanding and renovating the cross- country lodge as a training facility.

c. ORDA will seek to improve the safety and experience of bobsled and luge athletes by providing a state-of-the-art facility to replace the outdated runs.

3.) Organizational Excellence

a. The Olympic Sports Complex management will seek to establish annual budgets and schedules in support of the proposed capital improvements plan and other management objectives.

b. The Olympic Sports Complex will seek to improve equipment reliability in order to reduce the frequency of breakdown, associated staffing requirements and consequent financial drain.

c. The Olympic Sports Complex will seek to reduce its operations and maintenance costs by replacing outdated and aged equipment.

d. The Olympic Sports Complex will seek to improve skier safety and experience by widening certain cross-country and biathlon trails, improving certain trail intersections, providing a skier bridge at a certain high use trail intersection, and widening the cross-country stadium.

SECTION IV PROPOSED MANAGEMENT ACTIONS AND PROJECTED USE

A. Proposed Management Actions

See **Figure 13, Master Plan**, **Figure 14, Master Plan Base Area Enlargement** and **Figure 15, Master Plan Upper Enlargement.**

1. Actions Proposed on Town Lands

    a. Construct New Alpine Coaster Including Lighting

A new alpine coaster will be constructed along a route that follows the path of the 1932/1980 bobsled track. The proposed alpine coaster will provide the visiting public with the opportunity to experience firsthand the route traveled by 1932 and 1980 Olympians. This experience will embrace the heritage of sliding sports associated with the Olympic Sports Complex.

This is a gravity-driven ride that gives the rider control over the car's speed with its rider-controlled brake system. The alpine coaster behaves like a roller coaster in that bobsled-like sleds on wheels ride along rails on a raised track made of stainless steel tubing. The track is 26 inches wide and the height of the track varies depending on the terrain. Typical height is 3 feet to 6 feet off the ground.

See **Figure 16 Alpine Coaster Typical Components**.

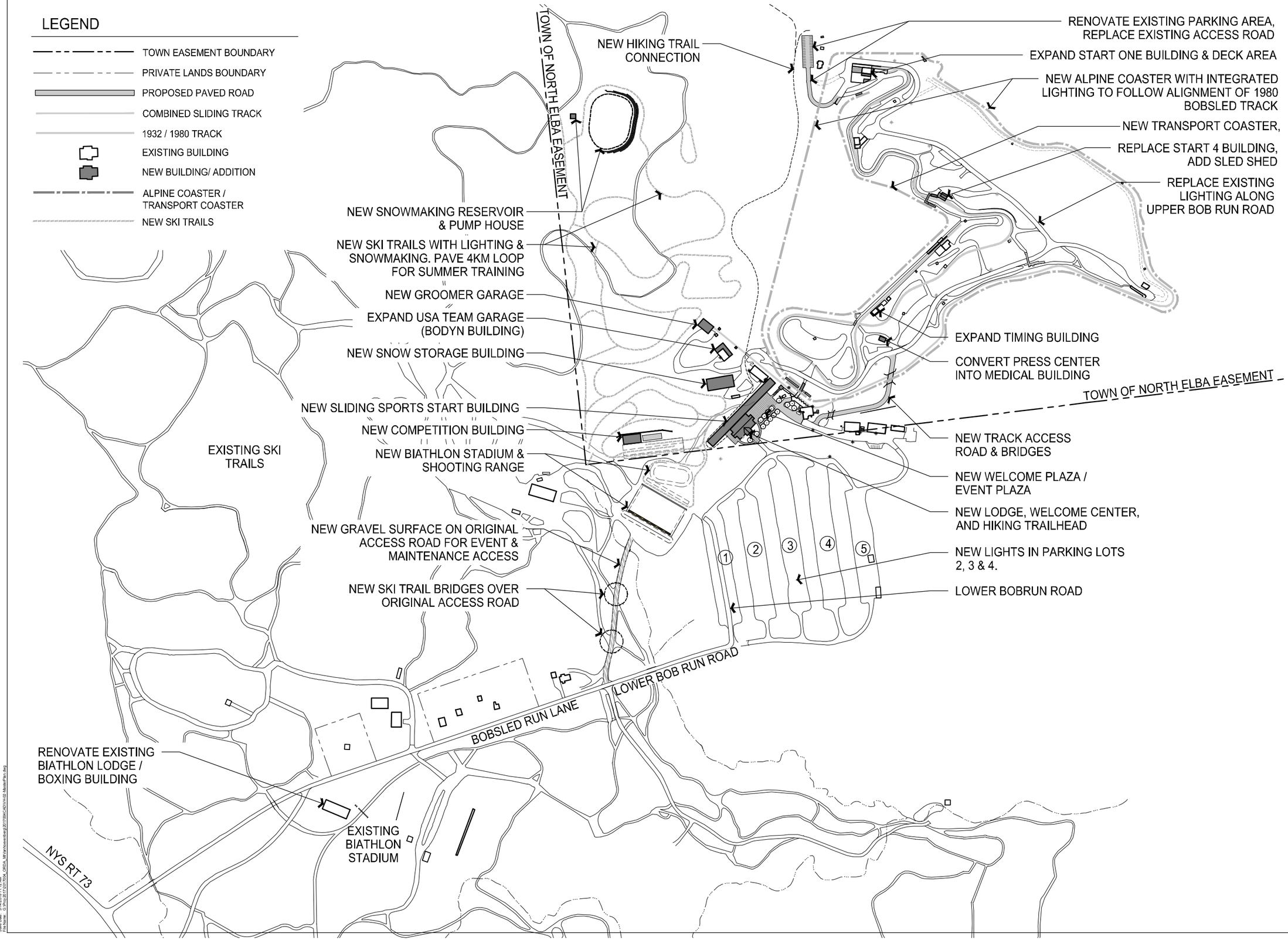
Installation of the track system has low environmental impact. The track only needs a 12 foot path through the woods and the path and stumpage and undergrowth can remain in most locations. The track is attached to the existing ground by two 1-foot square galvanized pads which are then pinned to the ground with ground spikes.

The route for the proposed alpine coaster is illustrated on **Figure 13, Master Plan**.

Riders will enter the coaster from a new loading/unloading deck that will be constructed between Lamy Lodge and the 1980 bobsled outrun. Riders will be transported uphill to the start of the ride that will be located between the 1980 Start Building and the current Combined Start 1 Building. The coaster will parallel the route of the 1932/1980 bobsled track until just above the Finish Curve where the coaster will cross over the 1932/1980 track before terminating at the loading/unloading deck.

The route of the alpine coaster will be lit by LED lighting either mounted to the track structure or on short posts located immediately adjacent to the track. Lights will be shielded to focus lighting on the track and its immediate surroundings.

Ancillary components of the alpine coaster include a drive terminal and a tension terminal, two



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Date: March 16, 2018
Scale: 1" = 500'
Design: MJT
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Chkd: KJF
Project No.: 2017004

Drawing No.: 13

Drawing Title: Master Plan

MT. VAN HOEVENBERG

Project Title:
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Amendment & Draft Generic Environmental Impact Statement

Prepared for:
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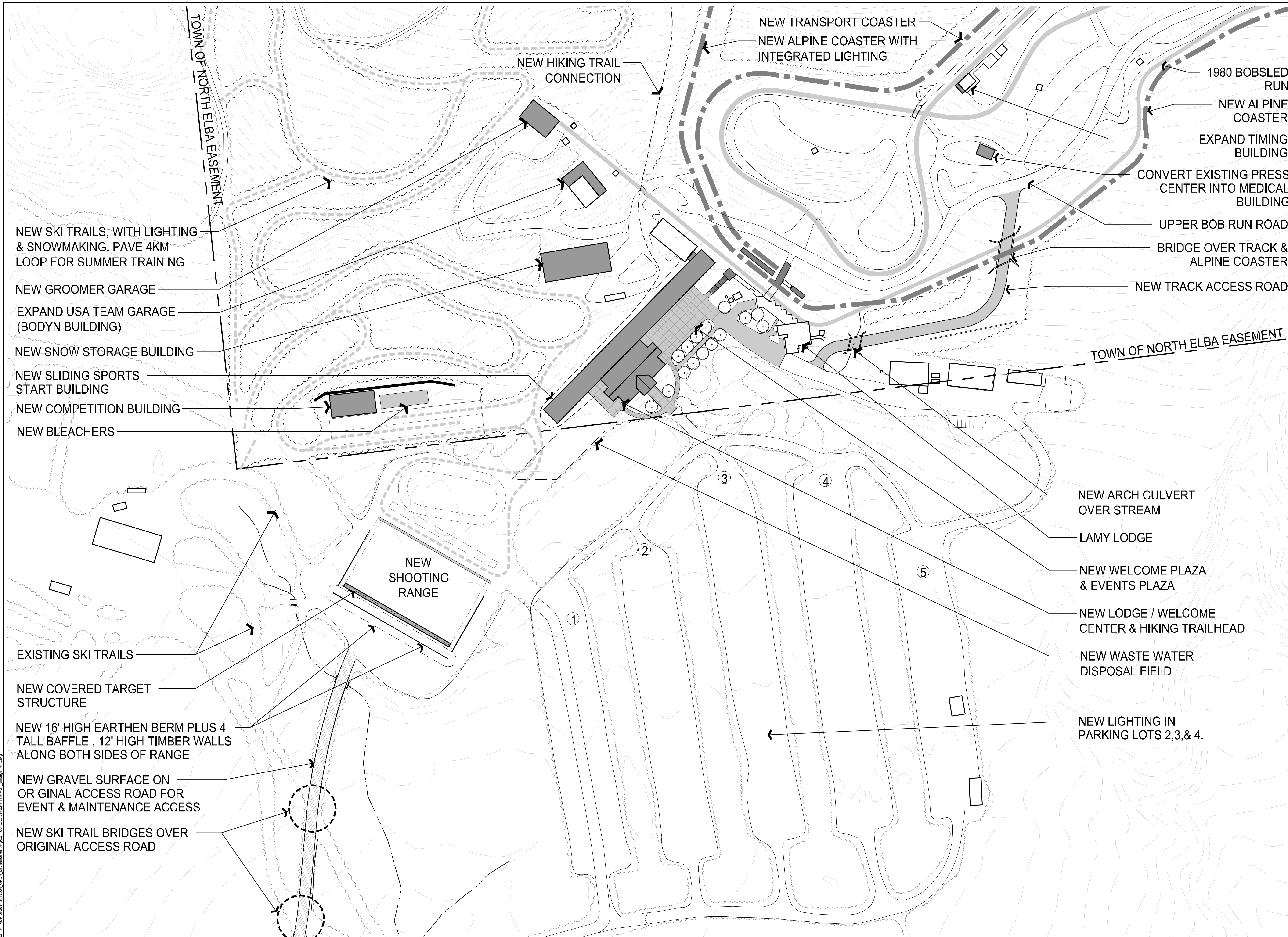

Date: March 16, 2018
Scale: 1" = 200'
Design: MJT
Drawn: KMK
Chk'd: KJF
Project No.: 2017004
Drawing No: 14

SCALE: 1" = 200' AT 11x17

Drawing Title: Master Plan Base Area Enlargement

MT. VAN HOEVENBERG

Project Title: Mt. Van Hoevenberg Preliminary Draft 2018 Unit Management Plan Amendment & Draft Generic Environmental Impact Statement

Prepared for: OLYMPIC REGIONAL DEVELOPMENT AUTHORITY

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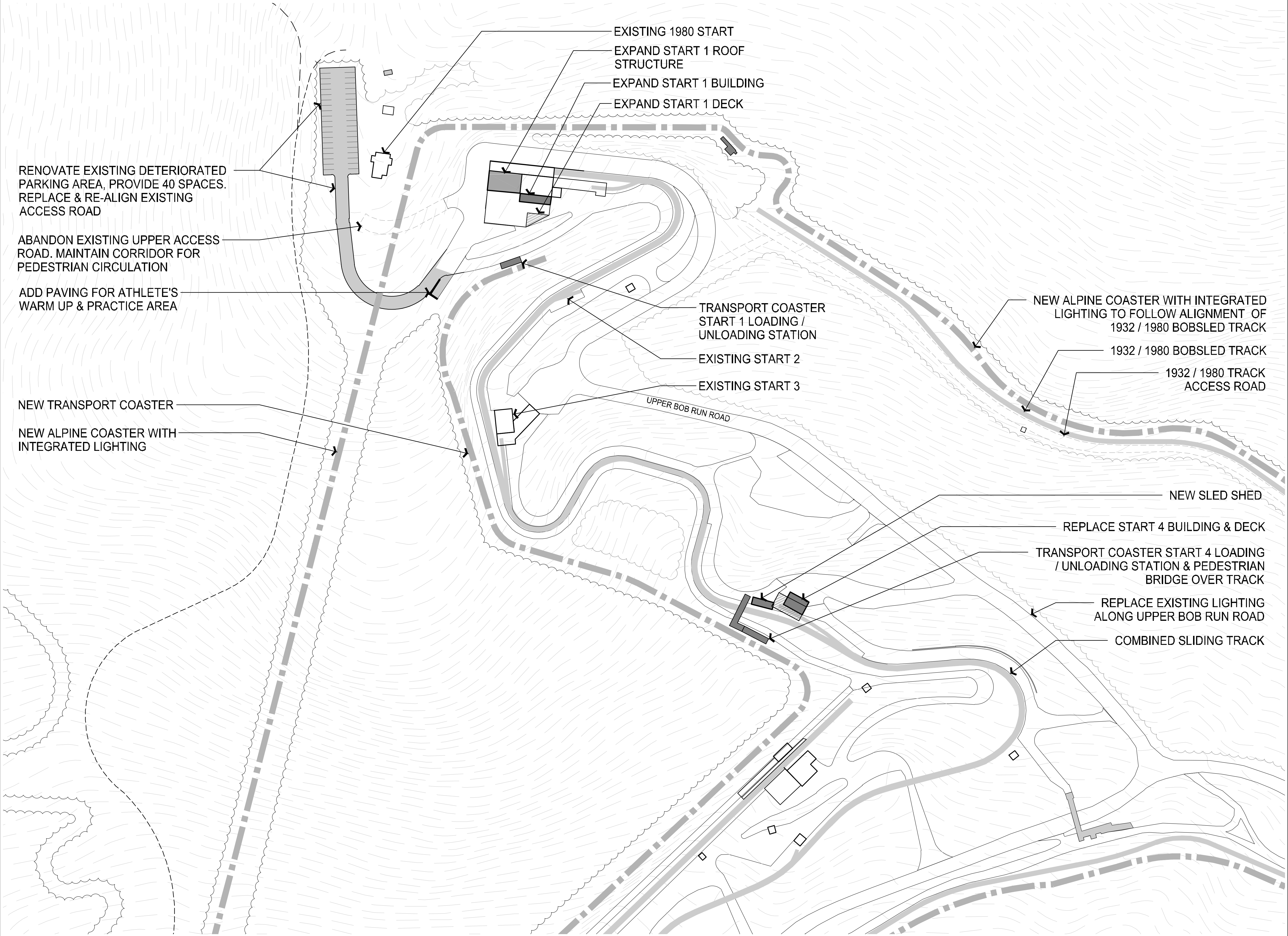

Date:	March 16, 2018
Scale:	1" = 150'
Design:	MJT
Drawn:	KMK
Ch'k'd:	KJF
Project No.:	2017004

Drawing No: 15

Drawing Title

Master Plan
Upper Enlargement

SCALE: 1" = 150 AT 11x17 (0 – 75 – 150)

MT. VAN HOEVENBERG

Project Title:

Mt. Van Hoevenberg Preliminary Draft 2018 Unit Management Plan Amendment & Draft Generic Environmental Impact Statement

Prepared for:

OLYMPIC REGIONAL DEVELOPMENT AUTHORITY, NEW YORK

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Unit Management Plan Amendment
& Draft Generic Environmental Impact Statement

Alpine Coaster
Typical Components

Date: 03/12/2018
Project No: 2017004

Drawing No:

16

re-direct wheels, passenger decks and attendant buildings.

b. New Transport Coaster or Funicular

An additional coaster or a funicular will be constructed to provide visitors and spectators access to the upper portions of the existing combined track. Visitors currently access the upper portions of the track by a van shuttle system. Spectators currently access the upper portion of the track on foot.

The transport coaster of funicular will make use of the same loading/unloading deck as the alpine coaster. There will be a deck at the Start 4 Building for passengers to load and unload if they choose to. The upper end of the transport coaster will be located between the 1980 Start Building and the Start 1 Building. Two sets of tracks will be constructed to provide for uphill and downhill transport. There will no lighting associated with this transport. See **Figure 15, Master Plan Upper Enlargement.**

c. New Ski Trails with Lighting and Snowmaking

Approximately 4 km of new ski trails will be constructed. See **Figure 17, Ski Trails.** These 4 km of new trails will be in the vicinity of 1.3 km of existing trails and, together will provide a 5.3 km trail network.

The new trails are configured in a series of loops that will allow for the establishment of different course lengths.

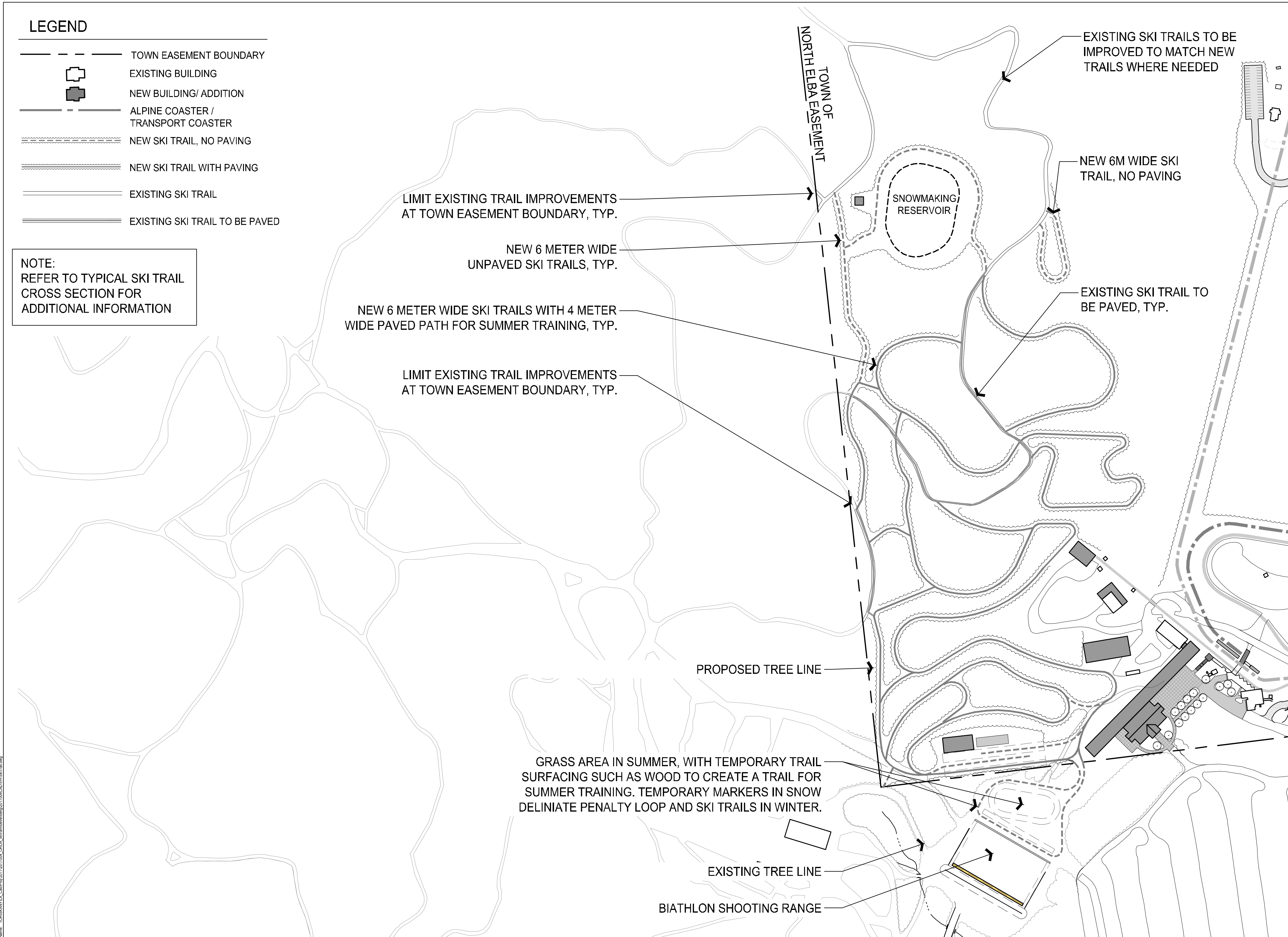
Four (4) km of the network will be paved to allow for year round use/training. Paved portions will be 10 to 12 feet wide. See **Figure 18, Ski Trail Typical Cross Section**.

All 5.3 km of trails will have lights to allow for evening skiing. Ski Trails with lighting (and other proposed lighting for this UMP Amendment) are shown on **Figure 19, Lighting Diagram**. It is expected that evening skiing will be available from Tuesday through Saturday likely until 8:00 or 9:00 PM, possibly to 10:00 PM on some nights. Lighting will be mounted on existing trees to the extent possible, at a height ranging between 15 and 30 feet. Fixtures will generally face downward and be fitted with shields.

All 5.3 km of trails will have snowmaking with a combination of fixed 20 feet high tower guns and portable guns.

d. New Sliding Sports Start Facility

Figure 20, Sliding Sports Facility Study, illustrates plans, elevations and sections of the proposed Start Facility that will be constructed just to the north of former and current tracks. See **Figure 14, Master Plan Base Area Enlargement**. The building is 502 feet long and 43 feet



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Design: MJT
Drawn: KMK
Ch'k'd: KJF
Project No.: 2017004

Drawing No: 17

Drawing Title

Proposed Ski Trails

0 150 300
SCALE: 1" = 300 AT 11x17

MT. VAN HOEVENBERG

Project Title:

Mt. Van Hoevenberg Preliminary Draft 2018 Unit Management Plan Amendment & Draft Generic Environmental Impact Statement

Prepared for:

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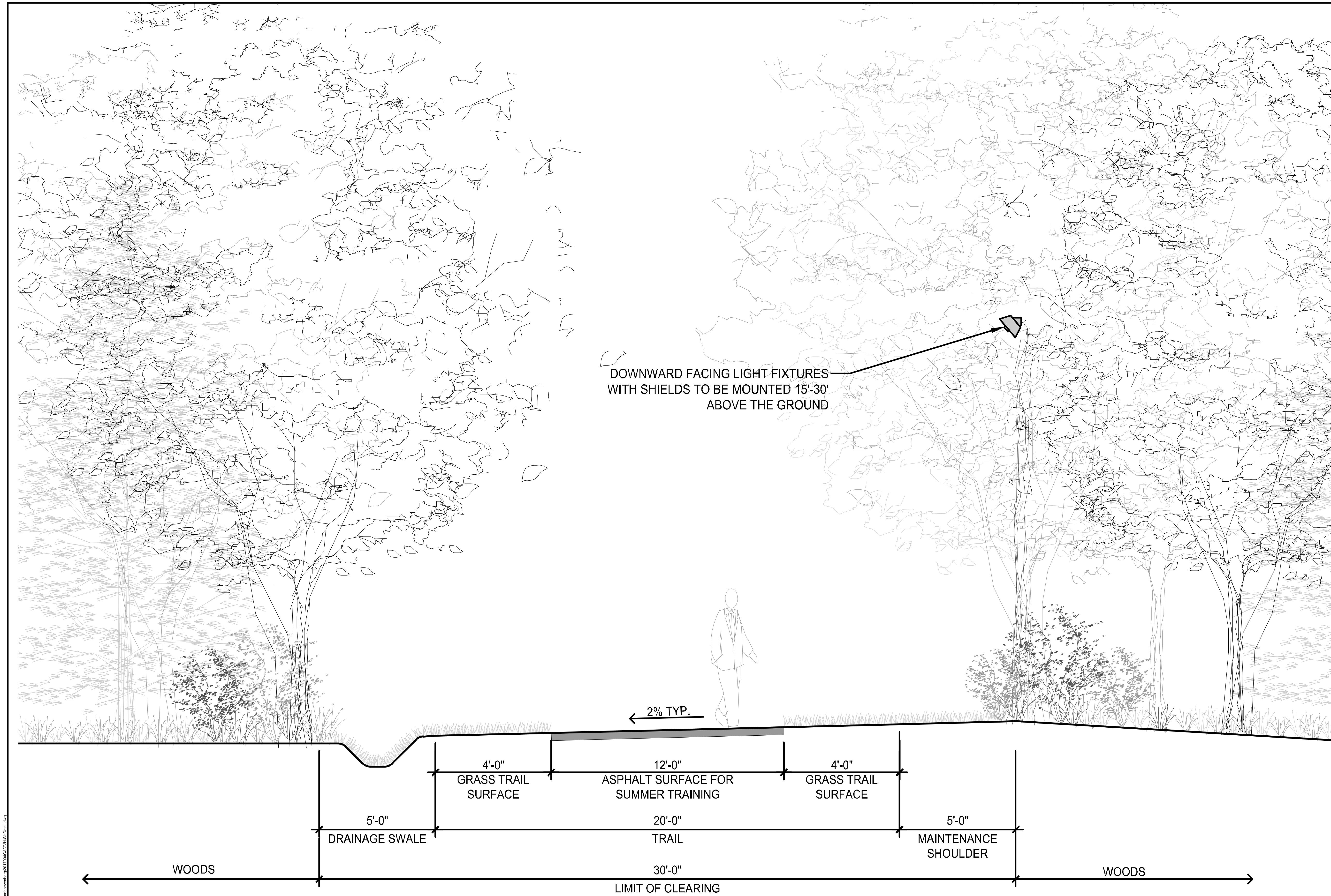

Date: May 1, 2018
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Design: MJT
Drawn: KMK
Ch'k'd: KJF
Project No.: 2017004

Drawing No: 18

Drawing Title:
Ski Trail
Typical Cross-Section

SCALE: 1/4" = 1'-0" AT 11x17

MT. VAN HOEVENBERG

Project Title:
Mt. Van Hoevenberg Preliminary Draft 2018 Unit Management Plan
Amendment & Draft Generic Environmental Impact Statement

Prepared for:
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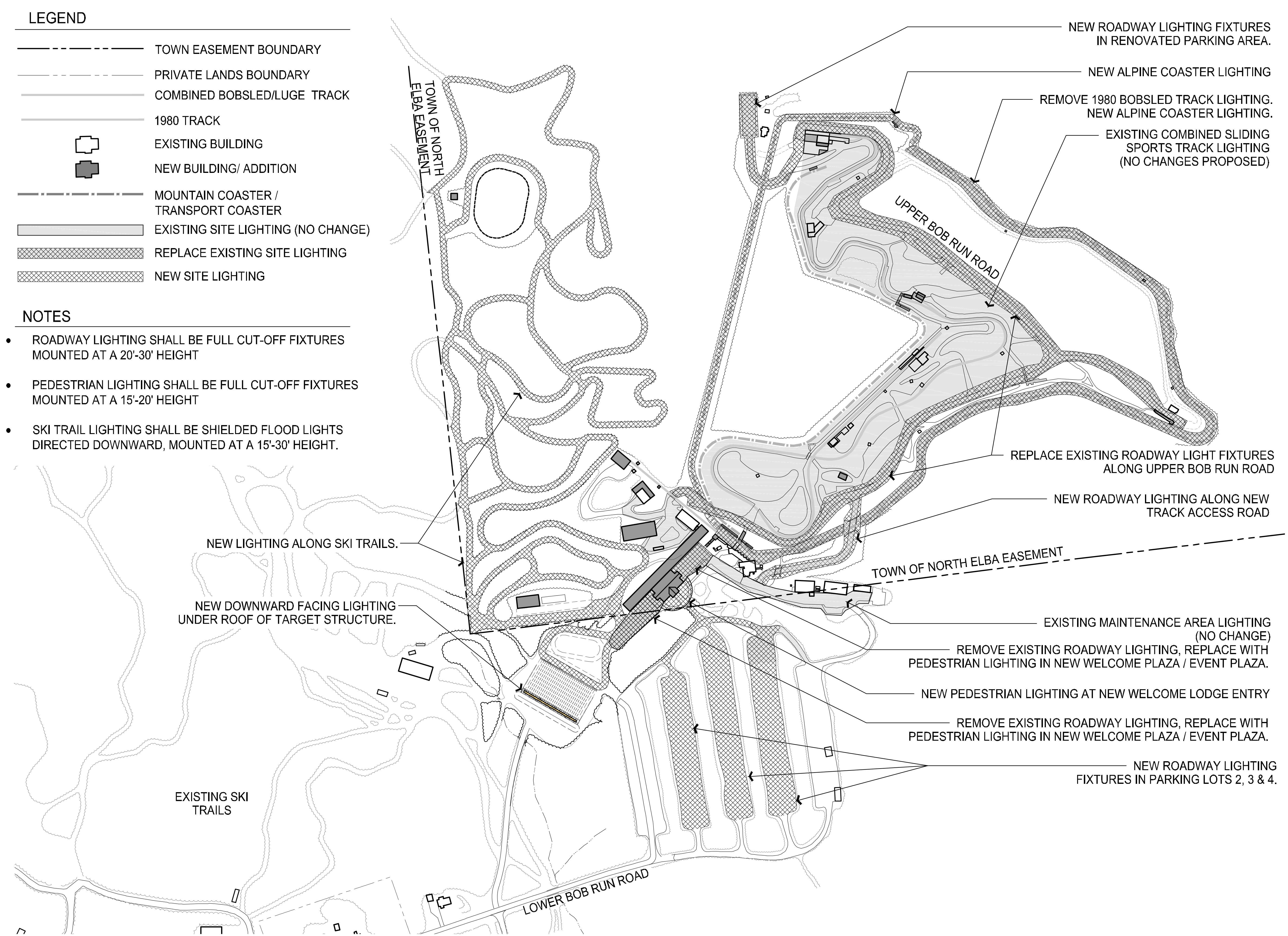

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Scale:	1" = 400'
Design:	MJT
Drawn:	KMK
Ch'k'd:	KJF
Project No.:	2017004

Drawing No: 19

Drawing Title: Lighting Diagram

SCALE: 1" = 400 AT 11x17

MT. VAN HOEVENBERG

Project Title: Mt. Van Hoevenberg Preliminary Draft 2018 Unit Management Plan Amendment & Draft Generic Environmental Impact Statement

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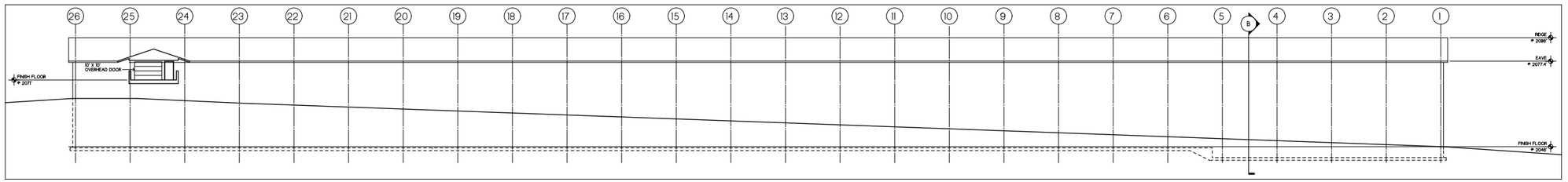

B1 A000 EAST ELEVATION
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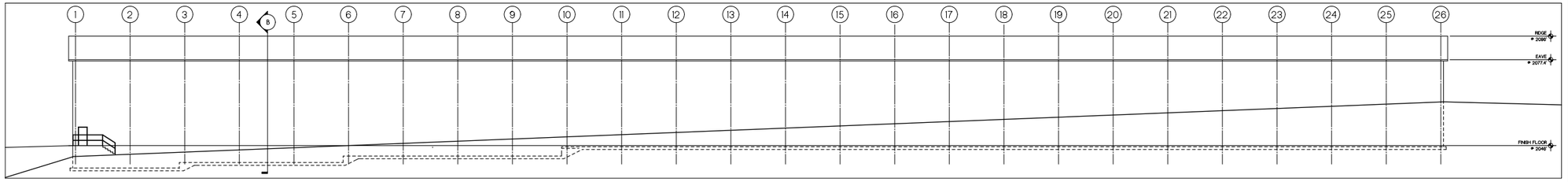

D1 A000 WEST ELEVATION
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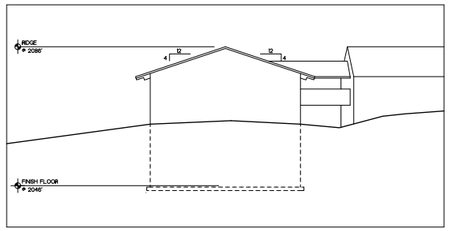

F5 A000 SOUTH ELEVATION
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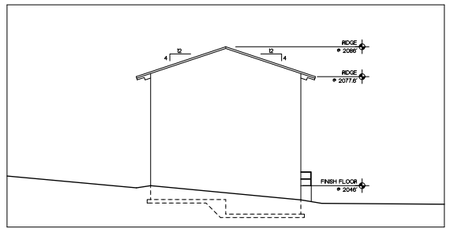

F9 A000 NORTH ELEVATION
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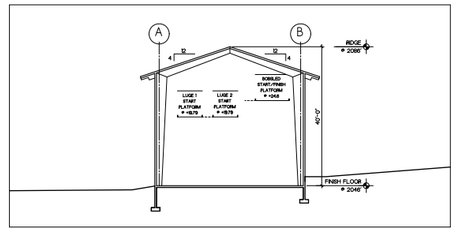

H9 A000 SECTION B
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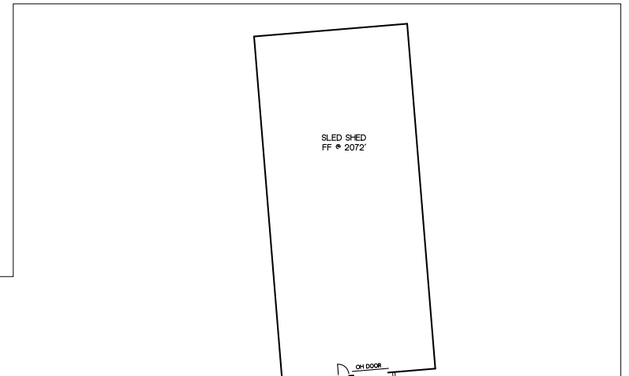
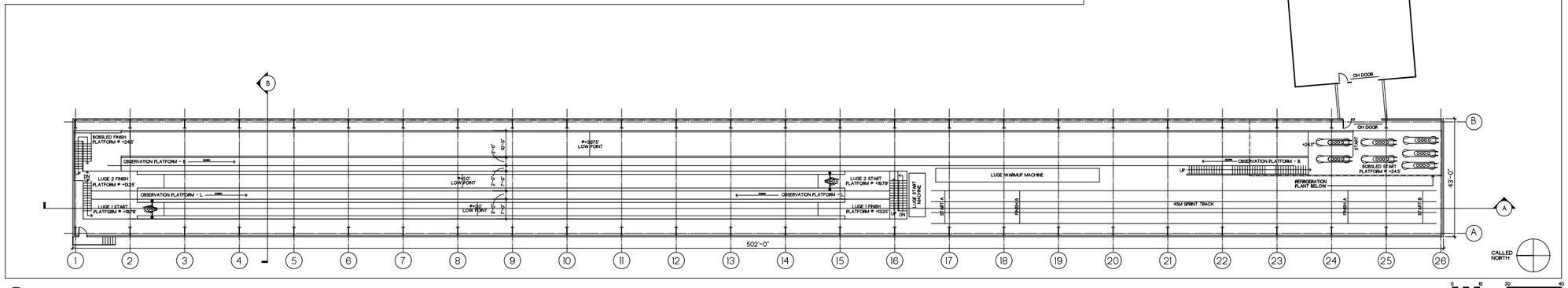
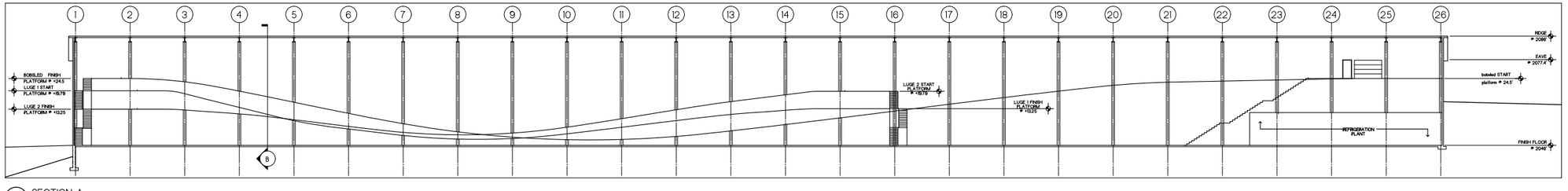




L1 A000 PLAN
SCALE: 1/16" = 1'-0"



M1 A000 SECTION A
SCALE: 1/16" = 1'-0"

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518.272.4481 fax 518.272.1635

SLIDING SPORTS FACILITY STUDY
OPTION VAN HOEVENBERG

architecture

DATE	18 SEPTEMBER 2017
JOB NO.	SSF-1703
SCALE	1/16" = 1'-0"
TITLE	PLANS, ELEVATIONS AND SECTIONS
DRAWING	Fig. 20

NO.	DATE	REVISION

9/18/2017 11:44 AM P:\SSF-1703\032 STUDY @ VAN HOEVENBERG\VAN HOEVENBERG-PLANS ELEVATION AND SECTIONS A3B

wide.

The facility will include refrigerated luge and bobsled start runs, a sprint track and observation platforms.

There will be a connection between this new building and the existing sled shed building to the east.

e. New Welcome Center/Base Lodge and Awards Plaza

A new 15,000 sf footprint, 2 story welcome center/base lodge is proposed to be constructed adjacent to the sliding sports start facility. See **Figure 14, Master Plan Base Area Enlargement**. It is envisioned that this building will contain a welcome center/information area, ticketing for existing venue attractions, retail, food service, restrooms, rental equipment, administrative and meeting room space and a hiking "trailhead".

A new on-site wastewater disposal system will be constructed to serve the Lodge. Lodge water supply needs can be accommodated by the existing supply sources. See the Engineering Report in **Appendix 3** for details.

An outdoor plaza will be constructed adjacent to the welcome center/base lodge and will be used for awards ceremonies and other outdoor functions.

f. New Road from Maintenance Area to Track Access Road, to Replace Existing Access Displaced by New Building

Vehicles currently gain access to the paved road that accesses the combined track via an entrance located near the existing ticket booth and the existing sled shed. This current access will be displaced by the construction of the start facility, lodge and plaza.

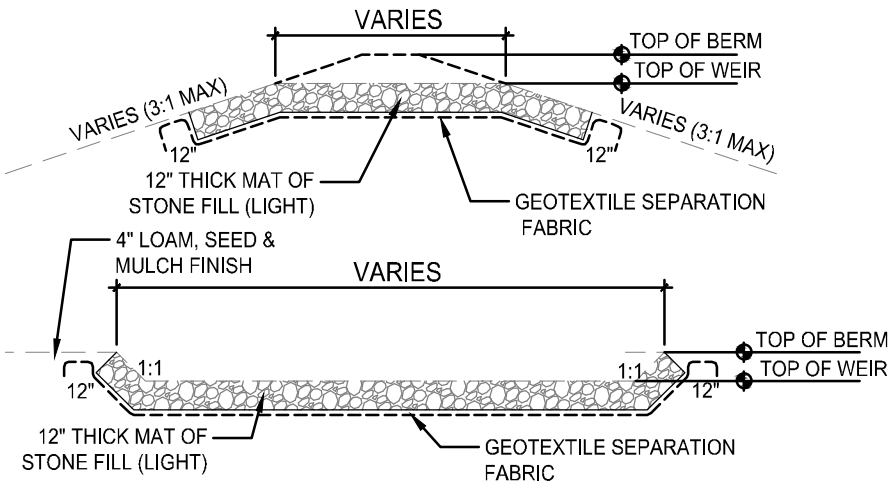
New access to the track access road will be constructed between Lamy Lodge and Maintenance and will include a bridge over a small stream and a bridge over the 1932/1980 track and the alpine coaster. See **Figure 14, Master Plan Base Area Enlargement**.

g. Snowmaking Reservoir

A snowmaking reservoir will be constructed near the upper portion of the new proposed ski trails. **Figure 13, Master Plan,** shows the location of the reservoir and **Figure 21, Snowmaking Reservoir,** provides additional detail.

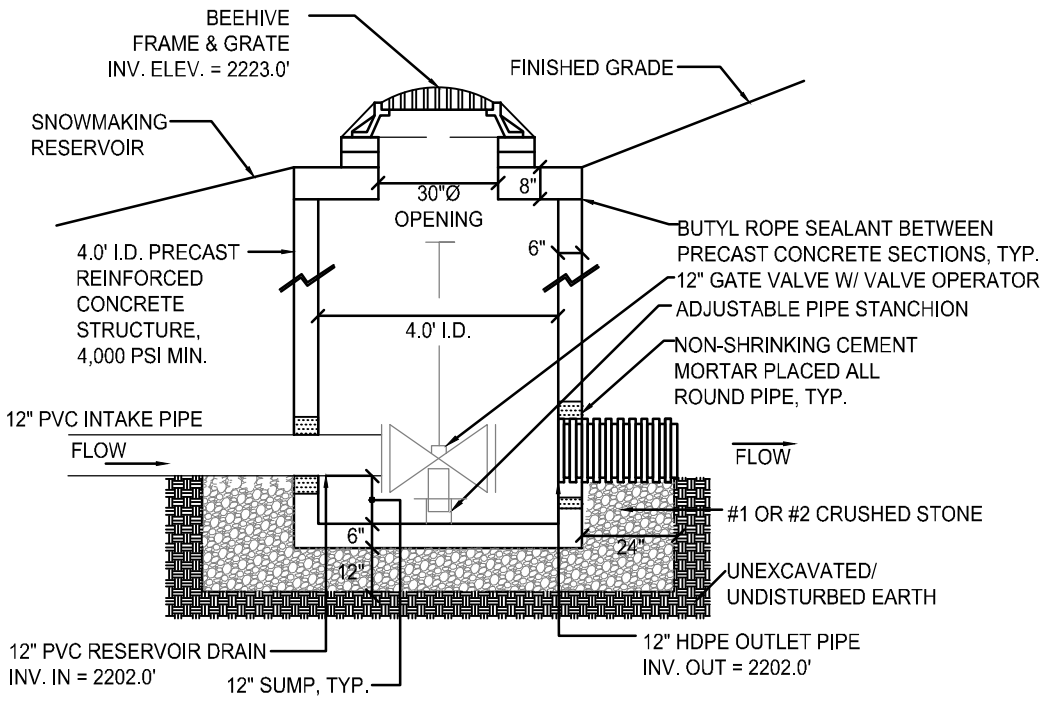
The pond will be excavated into the hillside and will have a total storage capacity of +/- 7.5 Mgal. Usable storage after surface ice cover and dead space below the pump intake are taken into consideration is estimated to be +/- 6.2 Mgal.

Plotted By: MARK TABER
Save Date: 3/14/2018 11:14 AM
File Name: G:\Proj-2017\2017004_ORDA_MtVanhoevenberg\2017004CAD\VH-ReservoirOptions.dwg



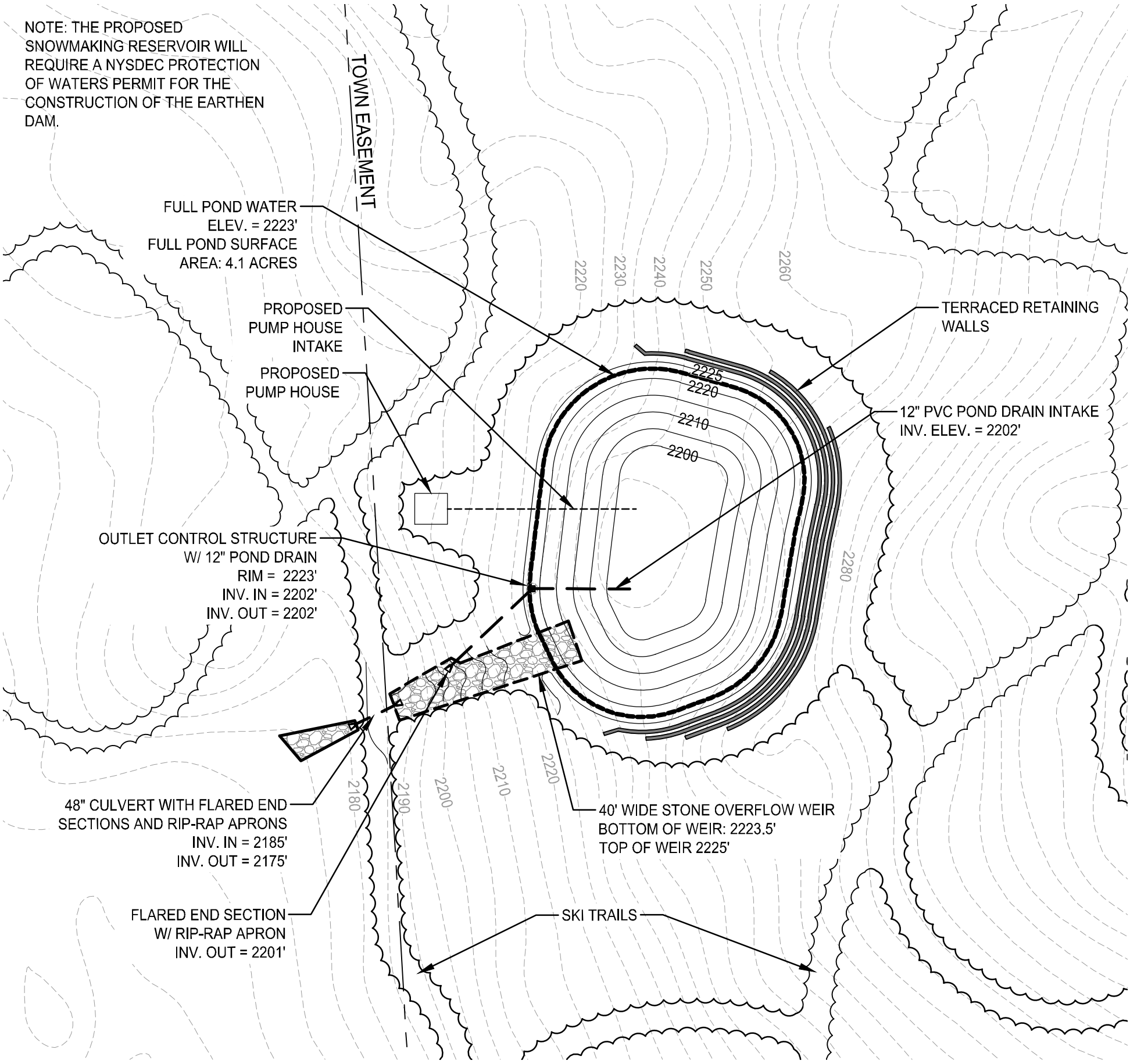
1 STONE OVERFLOW WEIR

SCALE: NTS



2 OUTLET CONTROL STRUCTURE

SCALE: NTS



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MT. VAN HOEVENBERG

Project Title:
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Drawing Title
Snowmaking Reservoir-Preferred Alternative

0 50 100
SCALE: 1" = 100

Date:	May 1, 2018
Scale:	1" = 100'
Design:	BCS
Drawn:	BCS
Ch'k'd:	KJF
Project No.:	2017004

Drawing No:
21

Figure 21 shows the location of the proposed pump house that will house the pumps that supply water to the snow guns on the new ski trails.

Water supply to fill the reservoir will be from the intake on North Meadow Brook that is currently used to supply water for surfacing and repairing the combined track as well as for other non-potable uses throughout the year. The pumping rate from North Meadow Brook ranges from 80 to 90 gpm. In the 1986 UMP the withdrawal rate was established as 89 gpm.

In the 1986 UMP North Meadow Brook's estimated autumn stream flow was 4 cfs which was considered to be the minimum flow present in this stream 75% of the time (1986 UMP p. 19). Stream flow downstream of the pumping facility was to be maintained at a flow rate exceeding 3 cfs, the minimum flow rate designated by the Division of Fish and Wildlife to protect stream aquatic life (1986 UMP p. 49).

The 1999 UMP Amendment documented that snowmaking water was also taken from North Meadow Brook at a point located about 200 feet north of the access road. Snowmaking occurred in an open field near the biathlon stadium and 100 gpm was pumped for an average of 400 hours per season since the 1980 games (1999 UMP p.12). In the 1999 UMP Amendment a new snowmaking reservoir was contemplated in the field near the biathlon stadium. This action was categorized as needing Article XIV resolution and was not constructed. More detailed streamflow assessment occurred as part of the planning for this reservoir. The streamflow assessment resulted in a calculated MA7CD2[5] for North Meadow Brook flow of 1.8 cfs (1999 UMP Amendment p. 31). It was determined that North Meadow Brook withdrawals could occur at a maximum rate of 500 gpm or 1.1 cfs. (1999 UMP Amendment p. 61). At that time, NYSDEC Region 5 Fisheries (Bill Schoch 7/24/96 letter in Appendix A of the 1999 UMP Amendment) reviewed the proposal to increase the rate of use of the flow in the brook for snowmaking and agreed with the MA7CD2 value and supported the reservoir. However, NYSDEC also recommended the construction of a new weir to maintain downstream flows.

At this time, ORDA is not proposing to increase the water withdrawal rate from North Meadow Brook above the current 80-90 gpm rate. ORDA will continue to use the existing pumps on North Meadow Brook as it has in the past, and will also use the existing pumps to gradually fill the snowmaking reservoir prior to the start of snowmaking. Future UMP documents may further explore the option of increasing the withdrawal rates from North Meadow Brook.

h. Trailhead, Parking and Hiking Trail Connection for Cascade and Porter Mountains, Mount Marcy and Mt. Van Hoevenberg (part of this action to occur on State Land)

One weekend in the fall of 2017 DEC closed the trailhead parking on NYS Route 73 and directed

[5] MA7CD2 is a low flow stream discharge statistic that represents the minimum average 7-consecutive-day flow at a recurrence interval of 2 years.

hikers into the OSC. This trial action was viewed as a success by many, and current plans call for the establishment of parking, trailhead(s) and trail connection to the existing trail network that provides access to Cascade, Porter, Mt. Van Hoevenberg and Mount Marcy.

Ample parking is available at the existing parking lots.

The welcome center can be used as a starting off point where users can get various information on trail routes, equipment, safety, Forest Preserve rules and regulations, etc. The retail component will include things such as trail guides, food and drink, insect repellant, some limited hiking equipment, etc.

Connections to the existing trail network were developed by personnel from DEC Region 5 in Ray Brook and are illustrated on **Figure 22, Proposed NYSDEC Hiking Trail**.

The proposed hiking trail would originate at the proposed Base Lodge/Welcome Center. From there, the trail would proceed upslope through a wooded area for approximately 0.5 miles until it reaches the parking area near the 1980 Start Building. This section is on Town Easement property. Hikers could then proceed to the west on the existing Mt. Van Hoevenberg Trail to the summit of Mt. Van Hoevenberg and the High Peaks Wilderness beyond, including Mount Marcy.

Hikers which go to the left at the 1980's Start Building would proceed on the new trail for approximately 0.7 miles before coming to an intersection with the Mt. Vans Trail that continues to the south. Staying left on the new trail at the intersection with the Mt. Vans Trail, hikers would proceed another +/- 2 miles before coming to the existing trail that leads to Cascade and Porter Mountains. The section of trail after the 1980's Start Building is all on Forest Preserve Land, approximately half in Intensive Use Area and half in Wilderness.

i. Stormwater Management System

It was originally thought that additional stormwater management practices would need to be proposed as part of this UMP Amendment. However, during the development of the plans that are part of this UMP Amendment, it was determined that additional stormwater practices were not warranted. In accordance with Section 9.2.1 of the New York State Stormwater Management Design Manual, the project site reduces greater than 25% of the total disturbed impervious area, and, therefore no post construction stormwater practices are required. The total disturbed impervious area is 5.2 acres and there is a reduction of total disturbed impervious of 2.13 acres or a 41% reduction.

j. Start 1 Building and Deck Expansion

The existing Start 1 Building is a 30 feet by 50 feet (1500 sq. ft.), 2-story building, with a 15 feet by 50 feet (750 sq. ft.) deck off the second story and two small, attached storage shed

Mt. Van Hoevenberg Intensive Use Area

New Stadium

Proposed Trail Relocation

Ladies 5K

Mt Vans Ski Trail

New Hiking, Snowshoe and X-Country Ski Trail

Porter Mt Loops

Cascade and Porter Mountains

Existing Cascade Trailhead

Mt Van Hovenberg Trail

Lake Placid

Keene

NYS Route 73

Biathlon Stadium

Cross Country Stadium

Mt Van Hoevenberg Recreational Center

Bobsled Run

Shady Corner Curve

Cliffside

Mt Van Hoevenberg

Hi-Notch

Shelter

North Meadow

South Meadow

Round Lake

Mud Pond

North Country Sch

Ski Area

Campground

BM 626.6

BM 649.3

Legend

- Mt. Van Hoevenberg Intensive Use Area
- Parcel Boundary
- Existing X-Country Ski Trail
- Proposed X-Country Ski Trail Relocation
- Existing NYSDEC Road/Trail
- Proposed NYSDEC Hiking Trail

Proposed NYSDEC Hiking Trail

0 750 1,500 Feet

Date: 04/27/2018
Project No: 2017004

Drawing No: 22

MT. VAN HOEVENBERG

Mt. Van Hoevenberg Preliminary Draft 2018
Unit Management Plan Amendment
& Draft Generic Environmental Impact Statement

Prepared for:

Olympic Regional Development Authority

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structures. The building is connected to a roof structure that is approximately 110 feet by 16 feet (1,760 sq. ft.) that covers the track start area. The Start 1 Building and roof structure are surrounded by a wood deck.

The proposed action is to build a 2 story building addition within the footprint of the 2nd story deck, (eliminating the deck), and expand the roof structure that covers the track by adding approximately 1,650 sq. ft. of roof area. The new portion of the roof structure would also connect to the Start 1 Building roof. Additionally, the existing deck surrounding the start building and roof structure would be expanded by approximately 500 sq. ft., to provide more track staging area.

k. Replace Start 4 Building

Replace the existing Start 4 Building with a new 24 feet by 36 feet building. Construct a nearby 12 feet by 36 feet sled storage building.

l. Expand Track Timing Building

The race office and track timing building is located at the finish line of the combined track. An eight feet long addition will be added to the end of this building.

m. Convert Existing Press Building into Medical Building

The existing press building located just to the south of the combined track heart will be repurposed for use as a medical building. Potable water service for sinks and bathroom fixtures will be brought to the building where service currently does not exist. Wastewater generated at this building can be accommodated by the system serving the Lamy Lodge.

n. Provide Structured Parking Adjacent to 1980 Start Building to Service Start 1 Building and Restructure Access Drive to Parking

The currently informal and deteriorated parking area will be paved and expanded slightly to provide 40 parking spaces. The existing access drive will be rerouted to the north to provide less steep access to the parking from near the Start 1 Building.

o. Expand USA Team Garage Building

Construct a 2,600 square feet addition to existing 40 feet by 55 feet USA Team Garage Building to achieve a 60 feet by 80 feet building. A bathroom will be added to this building and wastewater can be accommodated in the system serving the sled shed or the system serving Lamy Lodge.

p. New Snow Storage Structure

A 65 feet by 150 feet building will be constructed in proximity to the new ski trails. This building will be used to store snow produced at the SnowFactory. Having surplus snow in storage will allow for more rapid recovery of ski trail surfaces after melt events as well as for establishing a snow base early in the season before suitable prolonged snowmaking weather.

q. New Maintenance Building/Groomer Garage

A new building will be constructed to the east of the USA Team Garage Building along the existing access road. At 50 feet by 80 feet, this building will be used primarily for storage and maintenance of trail grooming equipment. The building will include a restroom. Water service will be extended to serve this new building and wastewater can be accommodated in the existing system serving the Lamy Lodge.

r. Upgrade and Improve Existing Road Lighting. Add New Fixtures Along Track Access Road from Lamy Lodge to Start 1 Building. Add New Lighting on New Road Connection Near Maintenance

The existing roadway lighting on Upper Bob Run Road from the Lamy Lodge up to the Start 1 building is proposed to be removed and replaced with new, full cutoff light fixtures. Additional fixtures would be placed in select areas where the existing lights do not provide adequate coverage. This includes the renovated parking area adjacent to the 1980 start building, which currently has no lighting. New roadway lighting would also be placed along the new track access road that is proposed behind the maintenance area. All new roadway lighting would be full cutoff fixtures mounted on 20-30' tall poles.

ORDA recognizes that lighting at the Olympic Sports Complex is a sensitive issue. Appendix 2A, Mt Van Hoevenberg Olympic Sports Complex: Efforts to Mitigate Light Pollution, provides details of past, present and future efforts undertaken to mitigate potential impacts caused by facility lighting. Efforts include removing outdated light fixtures; replacing non-cutoff, throw light fixtures with cutoff fixtures; progressively covering the combined track with opaque covering; and the use of photocells, timers and motion sensors to control lighting.

2. Actions Proposed on State Lands

a. New On-site Wastewater Disposal System for Welcome Lodge

See **Appendix 3** for details. The location of the system is shown on **Figure 14, Master Plan Base Area Enlargement**.

The system will consist of 3,600 feet of conventional absorption trench system in a leach field that will be approximately 100 feet by 212 feet. No tree cutting will be required.

The system will also include a 1,000 gallon grease interceptor and a 12,000 gallon septic tank. These components will be located on Town Easement lands.

b. New Biathlon Stadium

A new biathlon stadium is proposed to be constructed that will allow the facility to attract and host world class biathlon and cross country events. Events of this caliber are typically sanctioned by the International Biathlon Union (IBU) and/or by the International Ski Federation (FIS), and venues striving to host these events must have a trail network and stadium that meet specific criteria.

The stadium is proposed to be located within and adjacent to the existing cross country parking lot. See **Figure 14, Master Plan Base Area Enlargement**. The proposed stadium includes a shooting range with target structure, a coaches' area, penalty loop, a start/finish area, spectator area, a competition building for technical and administrative operations, an electronic information board, a pedestrian bridge and ski trails in and out of the stadium area. These components must be located on generally flat ground and close together to maximize spectator viewing. See photos below for an example of biathlon stadiums.

Shooting range Correncon En Vercors, France

The shooting range is generally flat, roughly 60 meters by 90 meters in size, and oriented northeastward in accordance with IBU rules. It includes a 16' tall earthen safety berm with a 4' timber wall on top (20' total height) behind the targets, and 12' tall timber walls on each side of the range. The target structure is a pre-fabricated unit on the northern end of the range, roughly 8' tall and spanning the width of the range. It includes a metal roof, a timber wall behind the targets and the target units. **(See photo above)** The center of the range is a flat, grassed area. The area at the rear (south) of the range where competitors lie or stand to fire is

called the shooting ramp. The shooting ramp includes a 2 meter wide paved strip with mats placed on it for the athletes to shoot from, a ski trail for access and a demarcated area for coaches, media and competition officials. The range must be wide enough to accommodate 30 shooting lanes.

Adjacent to the shooting range is the penalty loop. The penalty loop must be located immediately adjacent to the range and is required to be a specific length. It is generally just an open flat area. Adjacent to the penalty loop is the start/finish area. The start/finish area includes the competition trails, timing equipment, a competition building and bleachers for spectators. This area is also generally flat, and must be close enough to the range to provide good visibility for spectators. The start/finish area must also meet specific size requirements, and generally must be large enough to accommodate several competitors and different starting configurations for different types of cross country and biathlon events. During competitions, a pedestrian bridge over the competition trails will provide access to the start/finish area for spectators and officials as necessary. Temporary fencing will be used throughout the stadium during competitions to control access and define specific areas.

There are other ancillary competition requirements such as a warm up course, a wax testing area, team waxing cabins and team parking areas. It is envisioned that the existing cross country trail network and existing stadium area will be used for the warm up course, wax testing area, and general staging. The existing parking lots would be used for the temporary waxing cabins and team parking areas.

The stadium is designed to make use of the existing cleared area that is currently the cross country parking lot. It is envisioned that the stadium will be mostly a grassed area, replacing large areas of compacted gravel. Some of the trails outside of the stadium on Town easement lands that enter and exit the stadium area are proposed to be paved so they may be used for training in the off season. (**See Figure 17, Ski Trails)**. However, the portions of these trails that are on State land will not be paved. ORDA plans on installing a temporary wood surface on these sections of trails on State land so that they can be used for off-season training. The stadium components are arranged so they meet competition requirements and will not require the clearing of trees on Forest Preserve lands. Earthwork that will be required to ensure the area is 'generally' flat and to construct the safety berm can be performed without impacting the existing tree canopy. Portions of the stadium that will require clearing (start/finish area) are located on Town Easement lands.

c. Stormwater Management Improvements

It was originally thought that additional stormwater management practices would need to be proposed as part of this UMP Amendment. However, during the development of the plans that are part of this UMP Amendment, it was determined that additional stormwater practices were not warranted. In accordance with Section 9.2.1 of the New York State Stormwater Management Design Manual, the project site reduces greater than 25% of the total disturbed

impervious area, and, therefore no post construction stormwater practices are required. The total disturbed impervious area is 5.2 acres and there is a reduction of total disturbed impervious of 2.13 acres or a 41% reduction.

d. Renovate Boxing Building at Existing Biathlon Stadium

Interior renovations will be made to this building. Exterior renovations will also be made including the addition of exterior doors for loading and unloading. The building footprint will remain the same. No tree cutting will be required.

e. Lighting for Parking Lots 2, 3, and 4

Currently there is no lighting in these parking lots. Lighting will be installed for all 3 lots. Full cutoff fixtures will be mounted on 20 to 30 feet tall poles. The parking lights will be on Tuesday through Saturday likely until 8:00 or 9:00 PM, possibly to 10:00 PM on some nights, which is the same time that the new ski trails will have lighting on them. No tree cutting will be required.

f. Redevelop Former Access Road Corridor from Bobsled Lane to Cross-country Parking Lot to Replace Current Access to Cross-country Parking and Lodge.

Prior to the 1980 Olympics, the main access road into the facility was off of Bobsled Run Lane and connected to the gravel parking lot nearest the current cross-country stadium (parking lot 6). After the current road access was constructed, the former access road was used as a ski trail. This road will be reestablished in its original (and current) location and will provide direct vehicular access to the cross-country stadium as a gravel driveway. See **Figure 13, Master Plan**. No tree cutting will be required.

g. Construction Two Ski Trail Bridges Over New Gravel Access Road to Cross-country Lot

Two ski trail bridges will be constructed over the driveway where ski trails currently cross. See **Figure 13, Master Plan** and Figure **23, Bridge Detail**. No tree cutting will be required.

h. Develop Maintenance/Dredging Plan at North Meadow Brook Intake

The North Meadow Brook intake structure is used to fill the existing underground cisterns to meet the facility's combined track maintenance demands. Due to sedimentation from the brook, the area upstream of the intake structure (intake pool) must be dredged on an annual basis to maintain storage capacity within the pool without disrupting the downstream flow of the brook. The preferred method for dreading the intake area is hydraulic dredging and dewatering using geo-fabric tubes. Hydraulic dredging allows for the removal of both deposited and suspended sediment within the pool via the suction hose. Hydraulic dredging shall be

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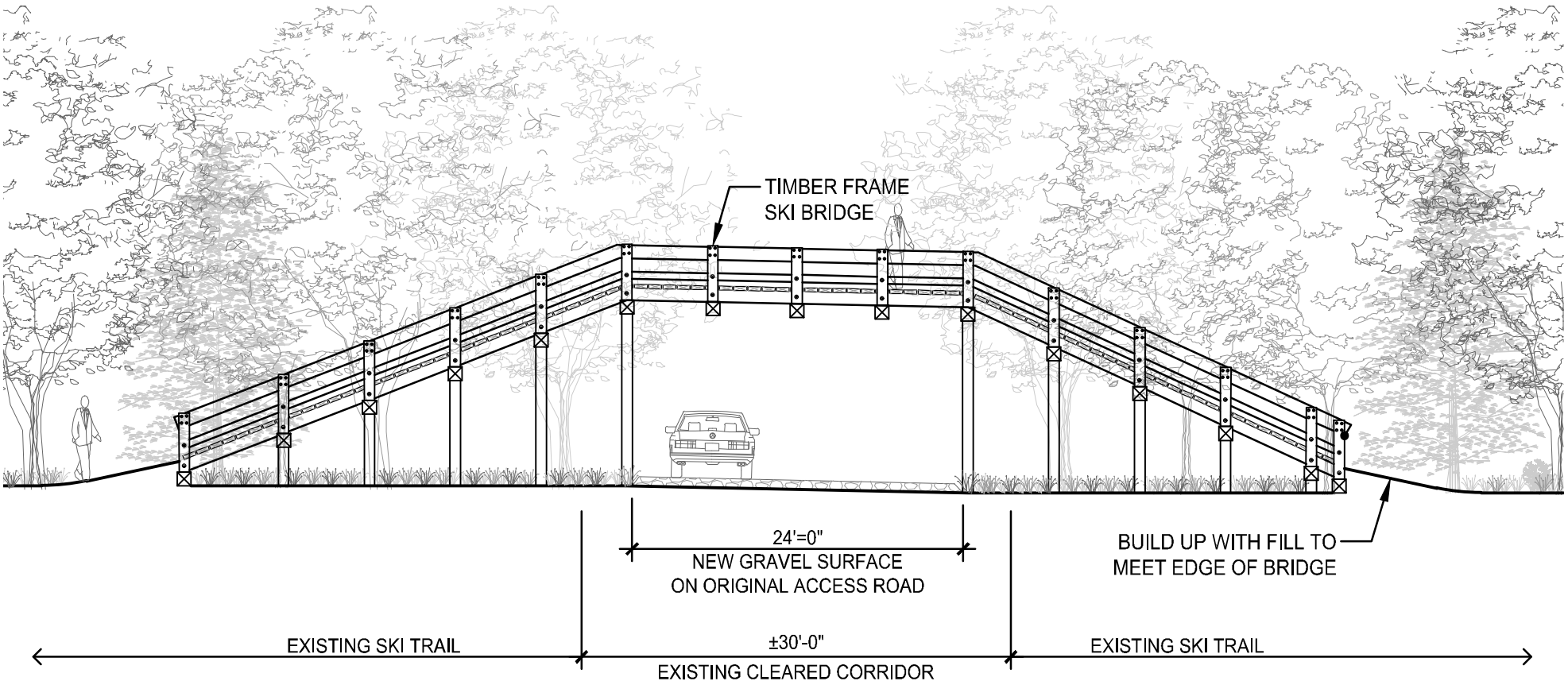

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Lake Placid, New York 12946

MT. VAN HOEVENBERG

Project Title:
Mt. Van Hoevenberg Preliminary Draft 2018 Unit Management Plan Amendment & Draft Generic Environmental Impact Statement

Drawing Title
Ski Trail Bridge

Date:	March 16, 2018
Scale:	3/32" = 1'-0"
Design:	MJT
Drawn:	KMK
Ch'k'd:	KJF
Project No.:	2017004

Drawing No:
23

completed during periods of low flow within North Meadow Brook to prevent the release of turbid water downstream. See **Figure 24, North Meadow Brook Intake Dredging**. Dredging of the intake pond shall be completed in accordance with the following:

- Install erosion and sediment control devices on the downhill side of any land areas that are to be disturbed during the dredging process;
- Mobilize hydraulic dredging, geo-fabric dewatering equipment and bypass pump adjacent to the intake pool;
- A dewatering outlet apron on the downstream side of the intake structure must be constructed to prevent erosion of nearby soil;
- Install bypass pump upstream of the dredging area to reduce flow to intake pond. The pond level must be at least 6" below the weir at all times during dredging to prevent the release of turbid water downstream;
- Once dredging is completed, allow geo-fabric tubes to completely dewater then cut open the tubes and remove sediment. If sediment is to be kept on site, the sediment should be leveled and seeded to reestablish vegetation.

See section 5 for additional measures that will be implemented during dredging.

i. Hiking Trail Connections

The proposed hiking trail would originate at the proposed Base Lodge/Welcome Center. From there the trail would proceed upslope through a wooded area for approximately 0.5 miles until it reaches the parking area near the 1980 Start Building. This section is on Town Easement property. Hikers could then proceed to the west on the existing Mt. Van Hoevenberg Trail to the summit of Mt. Van Hoevenberg and the High Peaks Wilderness beyond, including Mount Marcy. See **Figure 22, Proposed NYSDEC Hiking Trail**.

Hikers which go to the left at the 1980's Start Building would proceed on the new trail for approximately 0.7 miles before coming to an intersection with the Mt. Vans Trail that continues to the south. Staying left on the new trail at the intersection with the Mt. Vans Trail, hikers would proceed another +/- 2 miles before coming to the existing trail that leads to Cascade and Porter Mountains. The section of trail after the 1980's Start Building is all on Forest Preserve Land, approximately half in Intensive Use Area and half in Wilderness.

j. Construct two 8-feet wide ski trails around the private Steckler property that is within the intensive use area

In the past, ORDA held an easement that allowed for two ski trails to cross the private Steckler property that is located within the intensive use area. That easement expired and has not been renewed. ORDA will construct two trails, each 8 feet wide, that will pass by the Steckler property just to its south and then rejoin the existing trails on the Corwin property just to the west. **Figure 22A, Proposed Cross-country Trail Relocation**, shows this action.

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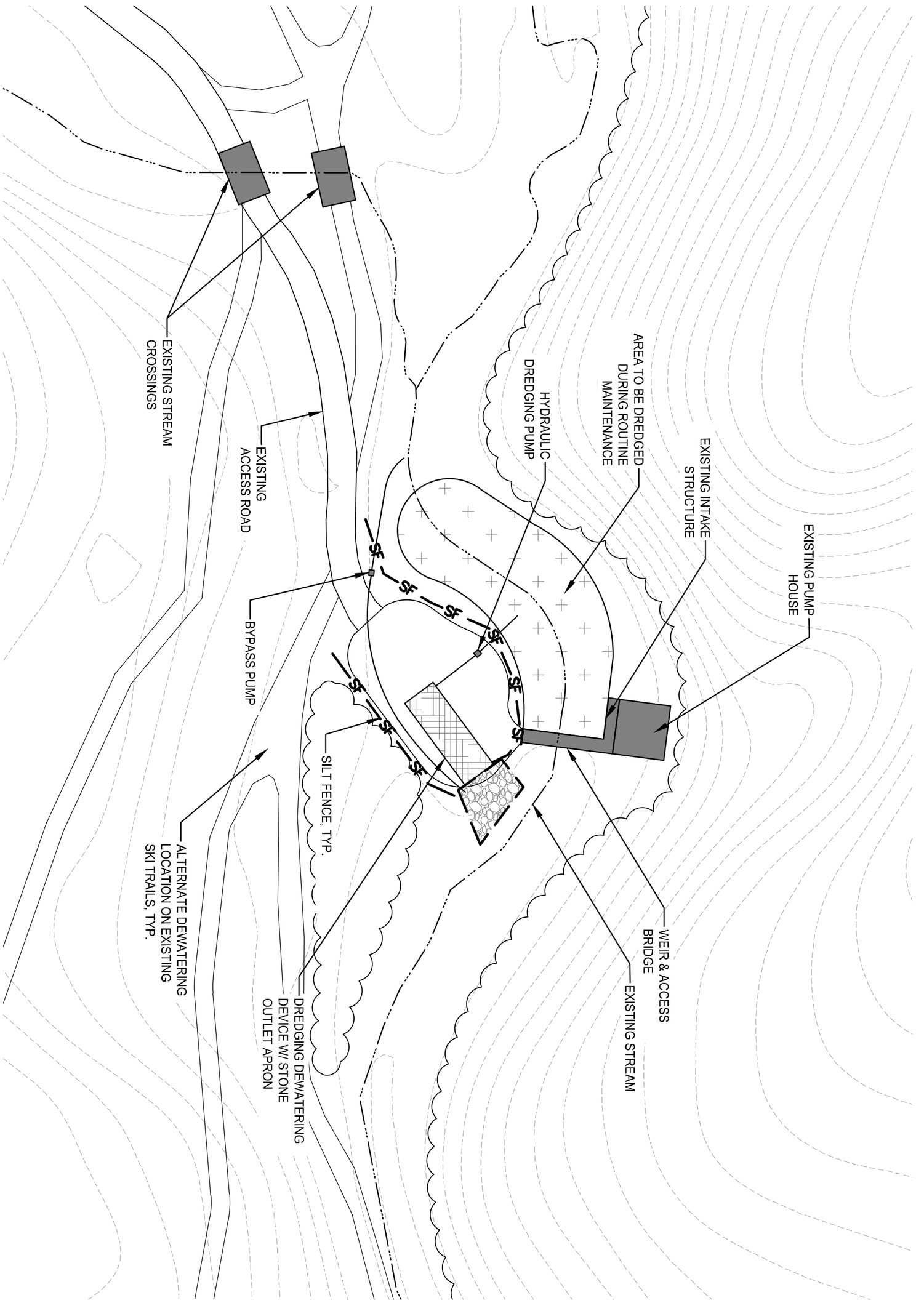

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Drawing Title
Maintenance/Dredging Plan at North Meadow Brook Intake

0 25 50
SCALE: 1" = 50

Date:	March 16, 2018
Scale:	1" = 50'
Design:	BCS
Drawn:	BCS
Chk'd:	KJF
Project No.:	2017004

Drawing No:
24

Corwin Property

Steckler Property

PROPOSED 8' WIDE X-COUNTRY SKI TRAIL CONNECTION TO EXISTING TRAIL

PROPOSED 8' WIDE X-COUNTRY SKI TRAIL CONNECTION TO EXISTING TRAIL

Mt Van Hoevenburg Intensive Use Area (Forest Preserve)

Legend

- Parcel Boundary
- Proposed Bridge
- Bridge to be Removed
- Proposed New Trail
- Existing Trail to be Closed
- Existing Trail to Remain Open

Date: 04/27/2018
Project No: 2017004

Drawing No: 22a

Proposed X-Country Ski Trail Relocation

0 100 200 Feet

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B. Projected Use

Future Major Events

Lake Placid has been chosen to host the 2019 International Children's Winter Olympic Games, the 2021 Bobsled and Skeleton World Championships, and the 2023 Winter World University Games. Lake Placid officials are also actively working on bids to host the 2021 Special Olympics World Winter Games.

Future Visitor Use

It is expected that both spectator and participant use will increase. The expected increase will be associated with use of the expanded amount of ski trails and the expanded hours of operations for those trails. It also expected that there may be an increase in the number of biathlon events held at the OSC due to the availability of the new biathlon stadium. Adding the alpine coaster to the facility is also expected to increase visitation at this ORDA venue. See the following sections for additional detail.

Future Sliding Center Use

Numbers of bobsled participants and touring guests are expected to remain near their current levels which have consistently been in the 33,000 range in the past two seasons. Other factors, including the addition of the alpine coaster, favorable weather, etc., could result in total attendance at or above the recent high of 40,000+ in 2013-2014.

Future Nordic Center Use

Public use of the nordic center is expected to increase due to the availability of additional trails, extended hours of operation, including evening hours and use of the trails with lighting, the availability of snowmaking and the availability of a year-round surface for skiers. Despite variations in attendance that can be attributed to weather, the data in Table 7 show a general increase in sales and attendance between 2005-2006 and 2016-2017. Discounting the low-snow winter of 2015-2016, recent attendance has been around 35,000 per season. It is not unrealistic to expect that attendance numbers could increase to somewhere in the range of 40,000 per season.

It is expected that the amount of training and program use will also increase in response to the availability of new facilities at the OSC. The amount of increase is somewhat difficult to predict since it will be up to user groups and not controlled by ORDA. Training and program use is expected to increase for all seasons, with the greatest increase expected in the winter months.

Having a new biathlon stadium available is also likely to increase use of the OSC facility. Typically ORDA may host 4 biathlon competitions in a season. With the availability of a new

facility that meets current IBU standards, it is foreseeable that there could be an increase in the number of competitions upwards of 3 per year.

Future Alpine Coaster Use

The following is the alpine coaster first year use projection that was provided by a company who has installed similar operations at other locations.

Table 10
First-Year Alpine Coaster Ridership Projection

Month of Use	Projected Number of Riders
January	2,250
February	4,200
March	2,550
April	3,060
May	3,420
June	10,800
July	11,160
August	13,020
September	5,460
October	6,120
November	2,160
December	2,400
Totals	**66,600**

It is not expected that all alpine coaster riders will be "new" visitors. Many are likely to be visitors who would have visited the venue otherwise, and who choose to participate in this additional opportunity. Conversely, there will some visitors who come to Mt. Van Hoevenberg because of the alpine coaster, and then also choose to participate in other opportunities available at the facility.

C. Actions Approved in the 1999 UMP Amendment/EIS which are Part of the Foregoing Five-Year Plan

Table 1 in Section 1 of this UMP Amendment includes management actions from the 1999 UMP Amendment which continue to be implemented at Mt. Van Hoevenberg. See Table 1.

SECTION V POTENTIAL IMPACTS AND MITIGATION MEASURES

A. Natural Resources

1. Vegetation

a. Impacts

The proposed management actions will result in the removal of trees from some wooded areas on Town Easement lands.

Construction of the biathlon stadium will result in the revegetation of the cross-country parking lot (Lot 6).

Tree removal will be required to create the 4km of new ski trail on Town easement land. At approximately 30 feet wide per **Figure 19, Ski Trail Typical Cross Section**, a total of 9.0 acres will be affected.

Clearing width for the alpine coaster will be narrower, typically +/- 12 feet. At +/- 7,400 long, up to 2.0 acres could be affected. Portions of the alpine coaster will be in areas nearby the 1932/1980 track that are already partially cleared or fully cleared, so the affected area will be less than 2.0 acres.

The new Sliding Sports Building is proposed along the edge of the current access road. Assuming that half of the building would require vegetative clearing, approximately ¼ acre would be affected. Construction of the snow storage shed in a currently wooded area would affect approximately another ¼ acre.

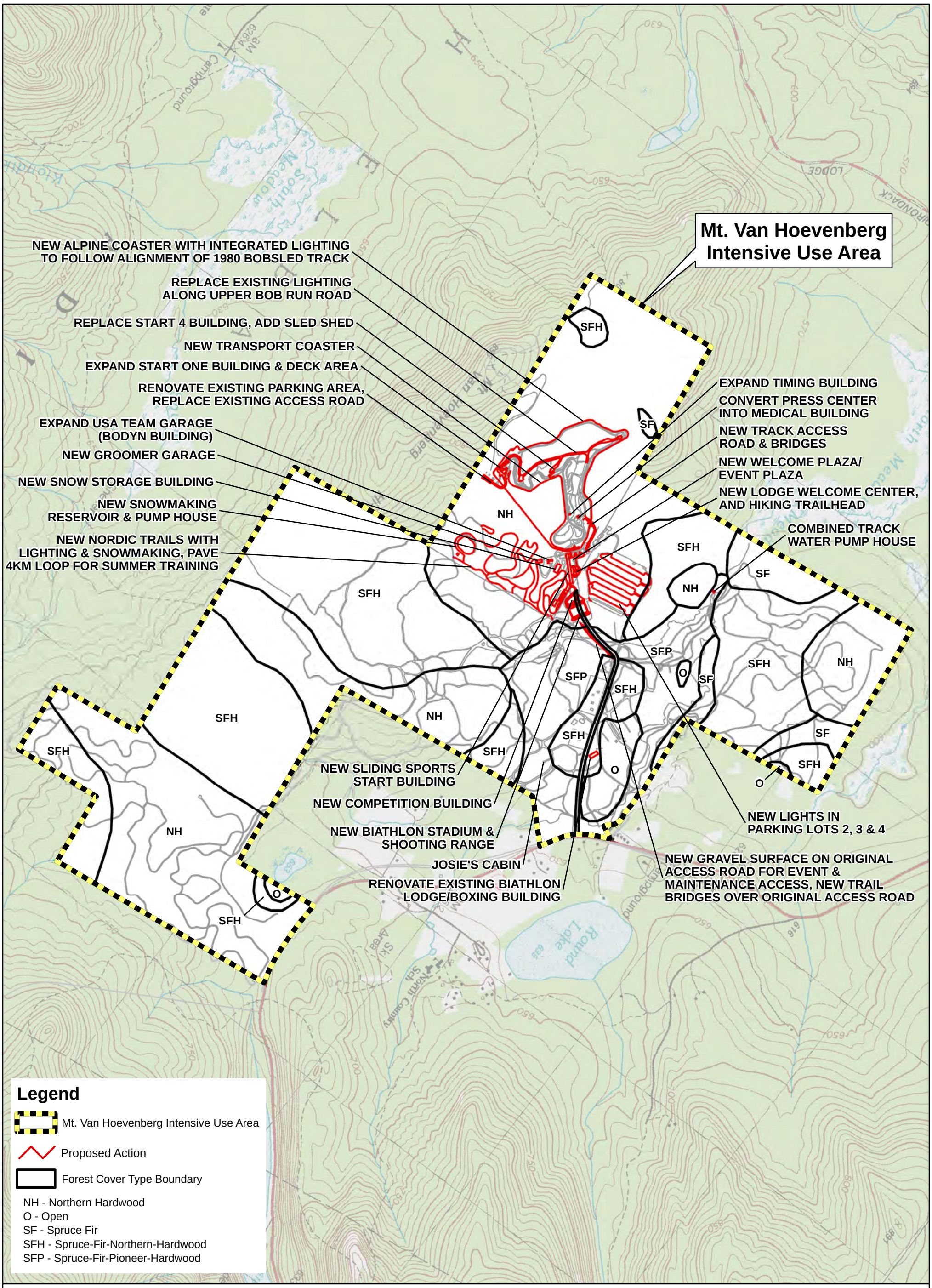
As shown on **Figure 25, Vegetation and Management Actions**, all of the activities described above will occur in the northern hardwood forest community.

The crosscountry parking lot is approximately 1/3 of an acre overall. The outer edges of the lot are a mix of vegetation and compacted dirt and gravel. The middle portion of the parking area is devoid of vegetation. Essentially all of this parking lot will be converted to herbaceous vegetation that would be maintained within the biathlon stadium.

None of the proposed management actions will require the cutting of any trees on Forest Preserve lands.

b. Mitigation Measures

Only areas absolutely necessary for construction of management actions will be cleared of vegetation. All other areas will be maintained in a natural state.



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Vegetation and Management Actions

1 inch = 1,500 feet
0 750 1,500
Feet

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Project No: 2017004

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Erosion control measures will be used on cleared areas with disturbed soils to avoid affecting adjacent vegetation by erosion or siltation. Erosion-control devices to be used will include filter fabric fences and staked straw bale filters.

Upon the completion of clearing of new ski trails, unpaved areas will be seeded with grass mixtures to promote rapid revegetation. Areas disturbed for any other improvements will also be landscaped and revegetated as soon as practicable.

Plants used to revegetate disturbed areas and planted as part of landscaping will be species indigenous to the region.

No clear-cutting of trees to develop panoramic views is proposed. Views will be framed or filtered by existing vegetation.

Continue to train staff to identify and document the location of key invasive plant species.

Work toward a complete comprehensive inventory of the presence and extent of invasive plants in the unit.

Eliminate any identified populations of invasive plant species that are discovered in the unit. These actions may be carried out by DEC personnel or by members of APIPP or other volunteers under supervision of DEC through an Adopt-a-Natural Resource Agreement, or by contract with ORDA.

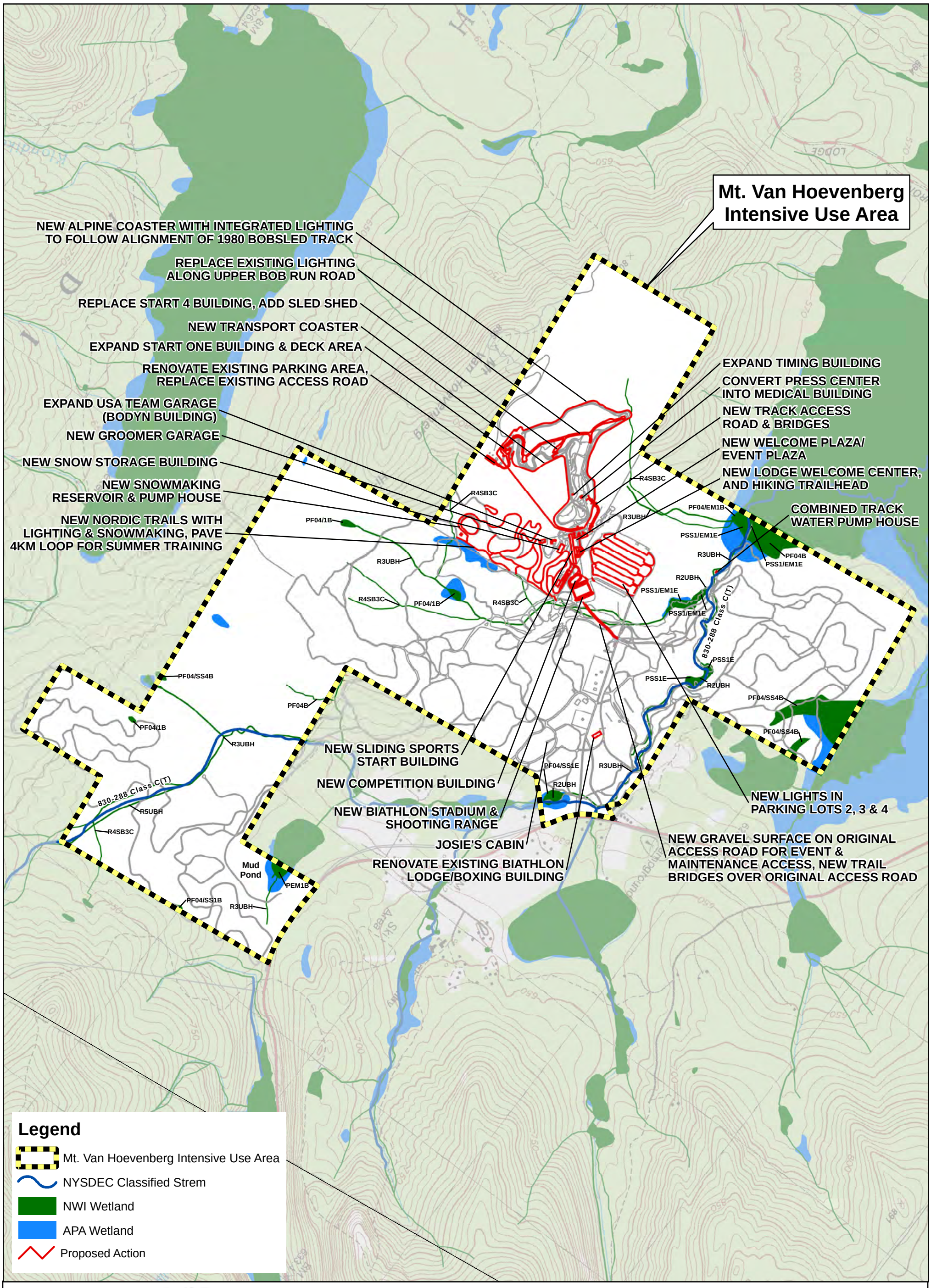
2. Water and Wetland Resources

a. Impacts

See **Figure 26, Surface Water Resources and Wetlands and Management Actions**.

Activities proposed around or in water resources include a foot bridge over the tributary to North Meadow Brook that will be constructed between the far end of the biathlon shooting range and the cross country stadium. A vehicular bridge over a different tributary will be constructed for the new section of access road between maintenance and the track access road. Bridges will be arch culverts or clear spans. Support elements for the bridges will be constructed outside of the bed and immediate banks of the streams.

Maintenance of the area around the water intake on North Meadow Brook will involve work in the brook. During the removal of accumulated sediment around the intake, there will be potential for causing increased stream turbidity within the brook and downstream of the brook. Measure that will be implemented to mitigate potential impacts associated with sedimentation in surface waters as a result of soil erosion during construction are discussed in the following



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Surface Water and Wetland Resources and Management Actions

1 inch = 1,500 feet
0 750 1,500
Feet

Date: 03/12/2018
Project No: 2017004

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section, Soils and Geology.

No activities are proposed in or around wetlands.

b. Mitigation Measures

The following measures shall be implemented during any maintenance dredging to remove sediment that has accumulated around the intake to the pump house on North Meadow Brook.

1. Dredging should take place during periods of low stream flow, typically in the fall.

2. A pump shall be used to reduce streamflow so that water does not flow over the weir during sediment removal. The pump intake shall be located far enough upstream of the sediment removal so as to not pump any turbid water.

3. Water shall be pumped to a point immediately downstream of the weir in order to maintain downstream flows.

4. The pump discharge shall be to an area of stable streambed not susceptible to scouring from the pump discharge.

5. Pumping shall continue after dredging is complete and shall be stopped only when there is no visible difference in turbidity in the dredge area and downstream of the weir.

6. For hydraulic dredging, materials shall be pumped to closed geotextile bags, tubes or other containers. Return flow to the brook shall only be allowed if the return flow does not result in a visible change in turbidity within the brook.

7. Full geotextile containers shall be removed from the vicinity of the brook before material is removed from the containers. Removed materials should be suitably stabilized by vegetative or other means.

8. Machinery should be regularly maintained and checked frequently for fluid leaks. Any machine found to have even a minor fluid leak shall be removed to a remote area for repairs.

9. Machinery operating in the vicinity of streams shall be equipped with spill control materials including absorbent pads.

10. Mobile equipment shall be refueled a minimum of 100 feet from the brook.

11. Stationary equipment, such as pumps, shall be place a minimum of 20 feet from the brook and shall be placed on fuel-resistant, impervious material (i.e. tarps).

12. Pump refueling shall make use of tight fuel containers and funnels.

13. Absorbent pads shall be available in immediate proximity of pumps and be used in the event of any spill, regardless of quantity.

3. Soils and Geology

a. Impacts

Proposed management actions that involve soil disturbance are proposed in areas with the following soils progressing from the lowest elevations to the highest elevations; Udorthents, Mundalite fine sandy loam, Mundalite-Rawsonville complex, and Rawsonville-Hogback complex. See **Figure 27, Soils Map and Management Actions**.

Soil erosion potential increases from slight at the lower elevation, to moderate at the middle elevations to severe at the highest elevations.

Depth to bedrock is greater than six feet at lower elevations. At the middle elevations depth to bedrock will vary depending on which component of the Mundalite-Rawsonville component is present where management actions are occurring, including the excavation of the snowmaking reservoir. For the uppermost portions of the proposed ski trails and the upper portion of the alpine coaster, construction will have to contend with bedrock that will be 14-25 inches below the ground surface.

There are potential impacts that could arise from soil erosion.

There are also potential impacts that could arise from blasting bedrock that may be necessary for construction of the snowmaking reservoir.

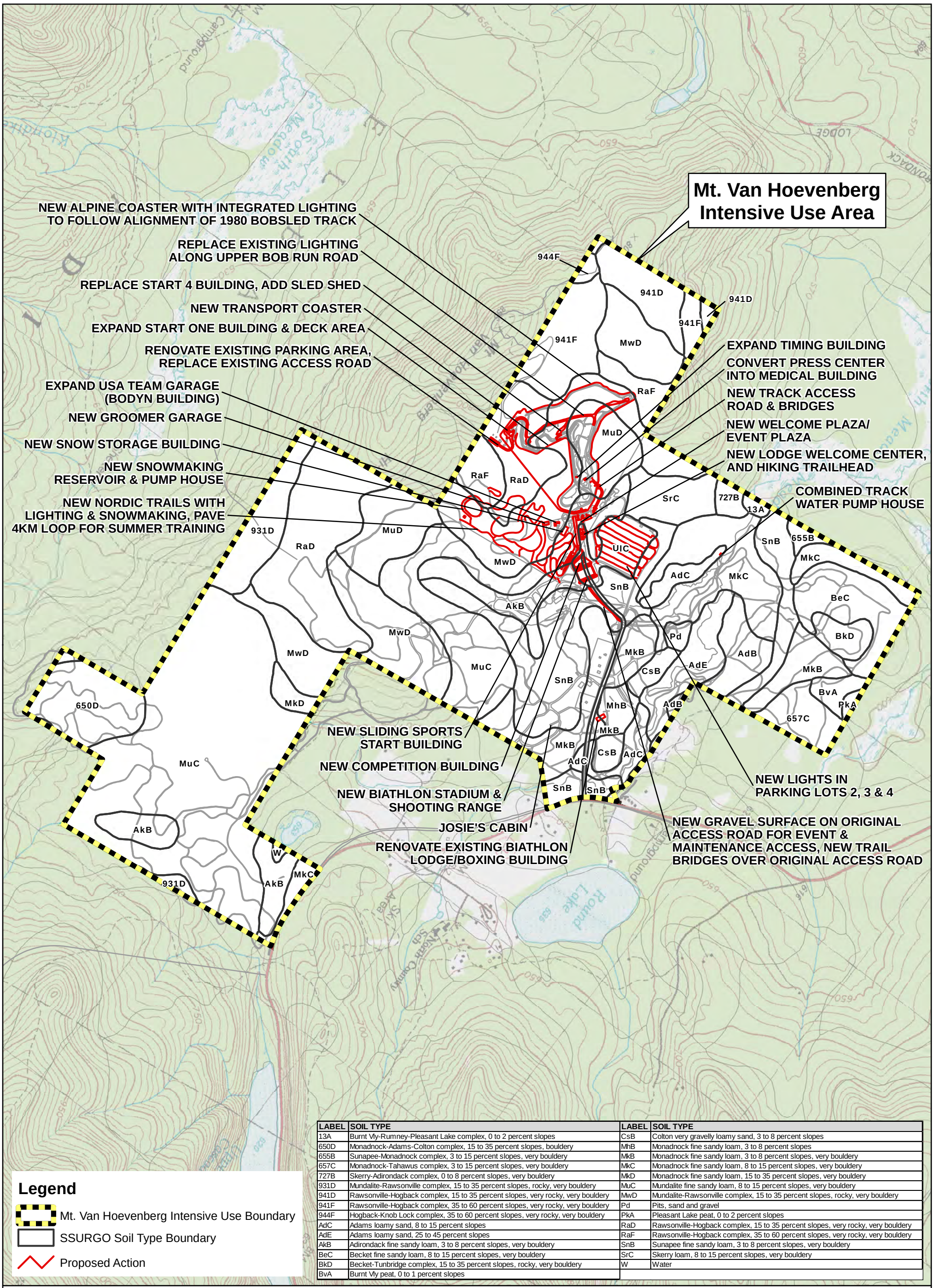
These potential impacts can be mitigated through the implementation of the following mitigation measures.

b. Mitigation Measures

1. Soil Erosion

Disturbance of areas of steep slopes during construction can lead to an increased vulnerability of the soils to erosion. Suitable measures must be implemented to first prevent soil erosion and then, second, to make sure that any soils that are eroded are contained and prevented from causing sedimentation in receiving waters.

ORDA is familiar with implementing proper erosion and sediment control practices when undertaking construction practices at their venues that oftentimes involve construction on



Legend

- Mt. Van Hoevenberg Intensive Use Boundary
- SSURGO Soil Type Boundary
- Proposed Action

LABEL	SOIL TYPE	LABEL	SOIL TYPE
13A	Burnt Vly-Rumney-Pleasant Lake complex, 0 to 2 percent slopes	CsB	Colton very gravelly loamy sand, 3 to 8 percent slopes
650D	Monadnock-Adams-Colton complex, 15 to 35 percent slopes, bouldery	MhB	Monadnock fine sandy loam, 3 to 8 percent slopes
655B	Sunapee-Monadnock complex, 3 to 15 percent slopes, very bouldery	MkB	Monadnock fine sandy loam, 3 to 8 percent slopes, very bouldery
657C	Monadnock-Tahawus complex, 3 to 15 percent slopes, very bouldery	MkC	Monadnock fine sandy loam, 8 to 15 percent slopes, very bouldery
727B	Skerry-Adirondack complex, 0 to 8 percent slopes, very bouldery	MkD	Monadnock fine sandy loam, 15 to 35 percent slopes, very bouldery
931D	Mundalite-Rawsonville complex, 15 to 35 percent slopes, rocky, very bouldery	MuC	Mundalite fine sandy loam, 8 to 15 percent slopes, very bouldery
941D	Rawsonville-Hogback complex, 15 to 35 percent slopes, very rocky, very bouldery	MwD	Mundalite-Rawsonville complex, 15 to 35 percent slopes, rocky, very bouldery
941F	Rawsonville-Hogback complex, 35 to 60 percent slopes, very rocky, very bouldery	Pd	Pits, sand and gravel
944F	Hogback-Knob Lock complex, 35 to 60 percent slopes, very rocky, very bouldery	PkA	Pleasant Lake peat, 0 to 2 percent slopes
AdC	Adams loamy sand, 8 to 15 percent slopes	RaD	Rawsonville-Hogback complex, 15 to 35 percent slopes, very rocky, very bouldery
AdE	Adams loamy sand, 25 to 45 percent slopes	RaF	Rawsonville-Hogback complex, 35 to 60 percent slopes, very rocky, very bouldery
AkB	Adirondack fine sandy loam, 3 to 8 percent slopes, very bouldery	SnB	Sunapee fine sandy loam, 3 to 8 percent slopes, very bouldery
BeC	Becket fine sandy loam, 8 to 15 percent slopes, very bouldery	SrC	Skerry loam, 8 to 15 percent slopes, very bouldery
BkD	Becket-Tunbridge complex, 15 to 35 percent slopes, rocky, very bouldery	W	Water
BvA	Burnt Vly peat, 0 to 1 percent slopes		

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Soils Map and Management Actions

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steep slopes. These proper practices are set forth in the *New York State Standards and Specifications for Erosion and Sediment Control* (last updated November 2016).

These standards and specifications will be used to develop Stormwater Pollution Prevention Plans (SWPPPs) for construction activities at Mt. Van Hoevenberg in accordance with NYSDEC's *SPDES General Permit for Stormwater Discharge from Construction Activity, GP-0-15-002*.

SWPPPS will detail those measures that will be implemented during construction to mitigate potential soil erosion and surface water sedimentation. SWPPP content will include such things as construction sequencing and phasing, temporary and permanent stabilization, structural erosion control practices and vegetative control practices. SWPPS will include provisions for monitoring, inspections, data collection, and compliance documentation.

Mitigation measures that ORDA commonly and successfully employs during venue construction activities include the following that will be incorporated into Mt. Van Hoevenberg pre-construction SWPPP plans and specifications.

Construction Road Stabilization – site access will be achieved using existing work roads, ski trails, driveways and parking areas. At this time, no new disturbance is anticipated for site access, material storage areas or other construction uses.

Concrete Washout – Concrete truck washouts will be provided in existing parking areas located in proximity to the base area.

Protecting Vegetation to Remain – clearing limits will be marked with flagging tape, paint or other suitable means prior to the felling of trees on Town easement lands.

Runoff Control

- **Construction Ditches** – construction ditches shall be installed across ski trails at a slope of 2% or less where it is necessary to divert flow from the top of a slope or to interrupt flow running down a slope. Construction ditches shall be installed, maintained and stabilized after construction in accordance with pages 3.3-3.6 of New York State Standards and Specifications for Erosion and Sediment Control, 2016.

- **Trench Plugs** – Sand bags or gravel bags will be employed in open utility trenches longer than 300 feet. Compost filter socks of suitable size are an acceptable alternative to sand bags or gravel bags.

Soil Stabilization

- **Temporary Seeding** - Seed and mulch inactive areas with bare soil within 3 days of disturbance unless construction will resume in that area within 2 days. Seed with annual

rye mixture at 30 pounds per acre**.** For late fall or early winter seeding seed with winter rye at a rate of 100 pounds per acre. Mulch areas with straw at a rate of 2 tons per acre.

- **Permanent Seeding and Mulching** - Maintain existing vegetation outside of marked limits of disturbance. Disturbed soils shall be permanently stabilized by successfully establishing an herbaceous ground cover.

  Seeding – A commercially available native seed mixture appropriate to the climate shall be used to stabilize disturbed areas to be re-vegetated. Seed may be applied by a number of suitable means including broadcasting, hydro-seeding, or incorporated as part of a geotextile (i.e. Green & Bio Tech SureTurf 1000 and 4000 Seeded Mat System ®, BIOMAT ® seeded mats).

  Mulching – Broadcast seeded areas shall also be mulched. Broadcast seeded areas shall be mulched with straw at a rate of 2 to 3 bales per thousand square feet (100-120 bales per acre). Mulch shall be secured in place by either driving over the mulched area with a tracked vehicle or by applying a non-asphaltic tackifier.

  Hydro-seeded areas shall contain a mix of wood cellulose mulch applied during the hydro-seeding process. Wood cellulose mulch shall be applied at a rate of 35 pounds per thousand square feet (2,000 pounds per acre). A non-asphaltic tackifier will be included with the hydro-mulch application.

Soil Restoration

As directed by the Qualified Inspector, areas of compacted soils that are to be seeded should be restored to improve the quality of the seed bed. The top four (4) to six (6) inches of soil shall be loosened using hand or mechanical means prior to applying seed. Also, as directed by the Qualified Inspector, finished grades consisting of exposed subsoils may require soil amendment or topsoil in order to provide a suitable seed bed.

Sediment Control

- **Silt Fence** – Where appropriate, silt fence (standard or reinforced) shall be installed along topographic contours. Use of silt fence is appropriate where there is no concentration of water flowing to the barrier and where the drainage area for overland flow does not exceed ½ acre per 100 feet of fence. Additionally, maximum allowable slope lengths contributing runoff to a silt fence shall be as follows:

Slope Steepness	Standard Maximum Slope Length (ft.)	Reinforced Maximum Slope Length (ft.)
<50:1	300	N/A
50:1 to 10:1	125	250
10:1 to 5:1	100	150
5:1 to 3:1	60	80
3:1 to 2:1	40	70
>2:1	20	30

(Source: New York State Standards and Specifications for Erosion and Sediment Control, 2016)

- Silt fence structures should be installed anywhere sediment retention is needed in and around a construction site.
- Perpendicular to slopes or parallel to contour.
- At the toe of highly erodible slopes.
- Around culverts and storm water drainage systems.
- Adjacent to lakes, streams or creeks.

Maintenance – Silt fences should be inspected periodically for damages such as tearing by equipment, animals, or wind and for the amount of sediment which has accumulated. Removal of the sediment is generally necessary when it reaches 1/3 the height of the silt fence. In situations where access is available, machinery can be used; otherwise, it must be removed manually. The key elements to remember are:

- The sediment deposits should be removed when heavy rain or high water is anticipated.
- The sediment removed should be placed in an area where there is no danger of erosion.
- The silt fence should not be removed until adequate vegetation ensures no further erosion of the disturbed slopes. Generally, the fabric is cut at ground level, the wire and posts removed, the sediment spread, and seeding and mulch is applied immediately.

Reinforced silt fence should be installed at the base of temporary stockpiles. The reinforced silt fence is designed to hold heavier loads. Falling debris from stockpiles may be caught by the reinforced silt fence where standard silt fence could fail.

- **Straw Bale Dikes** – Straw bale dikes may be used as a substitute for silt fence ONLY where shallow depth to rock precludes the proper installation of silt fence. Straw bale dikes shall NOT be used where there is concentrated flow. Straw bale dikes shall NOT be used where more than 3 months of erosion and sediment control is required unless bales are replaced or an additional parallel row of bales is installed prior to the original

straw bales being in place for 3 months. Length of slope above the straw bale dike shall not exceed the following:

Slope Steepness	Maximum Slope Length (ft.)
2:1	25
3:1	50
4:1	75

(Source: New York State Standards and Specifications for Erosion and Sediment Control, 2016)

Straw bale dikes require more maintenance and degrade much more rapidly. Straw bale dikes offer a more standalone practice that may be less dependent on the required staking. Staking is required for both silt fence and straw bale dikes. Both practices are required to be buried in the ground, although silt fence is required a six inch burial as opposed to a four inch burial trench for straw bale dikes. If neither application is applicable, sediment may be captured by using aproned Triangular Silt Dikes.

Installation specifications:

- Each bale shall be embedded in the soil a minimum of 4 inches.
- Bales shall be placed in a row with ends tightly abutting the adjacent bales.
- Bales shall be securely anchored in place by stakes driven through the bales. The first stake in each bale shall be driven toward the previously laid bale to force bales together.
- Inspection shall be frequent and repair or replacement shall be made promptly as needed.

Ski Trail Construction

Use the following measures to mitigate the potential impacts of trail construction.

- Limit individual disturbance areas to less or equal to 1 acre at any time.
- Grubbed stumps will be removed or buried within the trail as part of trail construction (filling low spots, etc.)
- Branches and tops will be chipped with chips broadcast into adjoining wooded areas. Chip piles shall not be created in wooded areas.
- Install sediment and erosion control practices.
- On constructed trails, which involved cut/fill operations, exposed earth areas will be contained by diverting clean runoff from the uphill side with construction ditches as much as practicable.
- Silt fence and/or chip berms on the downhill side will be utilized to filter the runoff from the raw site.
- Areas where finish grade has been established will be seeded and mulched within 3 days. No areas shall be left with raw earth exposed for more than 7 days.

Alpine Coaster Construction

The scope of the alpine coaster construction operations is similar, but less intense, than most trail construction operations. Construction will involve:

- Cutting trees to provide a 12-15 feet wide area with sufficient clearance.
- Stumps are cut flush to the ground.
- Grading operations are limited to the areas immediately around tension and drive terminals, redirect wheels, passenger decks and attendant buildings. In these locations E&SC practices include silt fence, upgradient water bars, and vegetative stabilization.
- Ground cover vegetation will be undisturbed to the extent possible.
- Areas requiring site disturbance will be stabilized using practices described above.
- Wooded areas which are cut will be allowed to naturally fill in with herbaceous growth.

Linear Utilities

Linear utilities include underground water pipe, air lines, and electric lines. Erosion from pipeline construction will be minimized by limiting the length of the open trench to 1200' for a period not to exceed 10 days. Sand or gravel bags trench plugs will be placed in sloped trenches at a minimum of 300' intervals to slow the velocity of stormwater runoff that may enter the trench.

Areas where finish grade has been established will be seeded and mulched within 3 days. No areas shall be left with raw earth exposed for more than 7 days.

2. Blasting

ORDA will employ the services of a professional, licensed and insured blasting company to perform any needed blasting. Blasters in New York State are required to possess a valid NY State Department of Labor issued Explosive License and Blaster Certificate of Competence. The Explosives License permits the licensee to purchase, own, possess or transport explosives. The Blaster Certificate of Competence permits the use of explosives.

If it is determined that blasting will be required, a written blasting plan will be developed and approved prior to the commencement of blasting. In general, the blast plan will contain information about the blasting methods to be employed, measures to be taken to protect the safety of the public, and how the applicable rules and regulations will be complied with. If during the evolution of the project there are significant changes in the blast design, a new blast plan will be required.

While each blast plan is tailored to meet the specific needs of a particular project, they all

contain certain elements. Typically the general information provided will include the blasting contractor; the project blaster; locations of blasting; the duration of blasting operations; locations of offsite receptors; location of any nearby utilities; the drill hole pattern; the explosives and detonation systems to be employed; the proposed loading of the holes; the maximum weight of explosives to be detonated in any delay period; measures to be taken to minimize the offsite impacts of blasting; traffic control and warning signs; the sequence and type of blasting warning signals; location of seismographs to monitor blast induced vibrations; what, if any local permits are required; will pre-blast surveys be performed, and if so where; and other information as necessary.

In addition, prior to the commencement of blasting, a pre-blast meeting will be held with the blaster, project manager, and other interested parties.

A record of each blast will be made by the blaster, and a copy provided to and retained by the project, which contains at a minimum the following information:

- Name of the operator and/or contractor conducting the blast.
- The location, date and time of the blast.
- Name, signature and identification number of the blaster (certificate of competency number, as issued by the Department of Labor).
- Type of material blasted.
- Diagram of shot including number of holes, depth of holes, diameter of holes, burden, spacing, and face orientation.
- Location and distance of nearest non-company owned structure.
- A record of the shot including amount of subdrilling, decking, stemming height and type, quantity and type of explosive, quantity and type of detonator, weather conditions (including wind speed and direction), type of initiation system and all delay periods progressively, in milliseconds. A drill log reviewed and signed by the licensed blaster and company supervisor including date, time, location, shot number, number of holes, hole depth, average face height, burden, spacing, diameter and any potential problem areas such as seams, cracks, voids and water.

The following techniques and control measures will be considered in blast design to reduce ground vibration:

- Adjusting the blast hole pattern
- Reducing the pounds of explosive per delay:
    - use of smaller diameter blast holes
    - reduce bench height
    - use of decking
- Avoiding overly confined charges (e.g. excessive burden).
- Avoiding excessive subdrilling.
- Strict control over spacing and orientation of blast holes.

- Borehole deviation monitoring.
- If possible, designing the blast sequence to direct vibration away from structures of concern.

A properly designed blast will give lower vibrations per pound of explosive. Close to the blast, the ground vibration character is affected by factors of blast design and geometry, particularly charge weight per delay, delay interval, and to some extent direction of initiation, burden, and spacing.

Additionally, to reduce the public's concern regarding ground vibrations:

- Blasts will be scheduled for the same time of day whenever possible.
- Blasts will be scheduled for periods of high local activity.
- Blasts will not be scheduled for quiet periods.
- Neighbors will be notified of the blast schedule in advance.

4. Visual Resources

a. Impacts

A Visual Resource Impact Analysis was included in the 1999 UMP Amendment (Appendix C). This analysis determined that views into the Olympic Sports Complex are available only from areas between 310 degrees northwest and 45 degrees east. Intervening terrain and vegetation blocks views from other directions.

The following vantage points were identified as having potential views in the 1999 Amendment.

- NYS Route 73 Entrance – views were filtered by intervening vegetation.
- Adirondack Loj Road - a portion of the 1932/1980 bobsled run was visible
- 90M Ski Jump Deck – portions of the bob run, luge run and access road were visible
- John Browns Grave/Farm Site – one of the maintenance garages at the base was visible, but the bob and luge runs were not visible
- Holiday Inn Parking Lot – the clearing for the bob run and the luge run were visible
- Route 86 Overlooking the Lake Placid Golf Course – the upper half of the clearing for the bob run was visible

These same vantage points were evaluated in March 2018 during snow cover conditions which enhances visibility from distant views.

- NYS Route 73 Entrance – views were blocked by intervening vegetation
- Adirondack Loj Road – See **Figure 28, Adirondack Loj Road,** showing photographs from this location**.** Breaks in the tree lines associated with the combined track are visible as white “traces” on the wooded hillside.

Adirondack Loj Road (50mm)

Adirondack Loj Road (85mm)

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& Draft Generic Environmental Impact Statement

Adirondack Loj Road

Date: 03/12/2018
Project No: 2017004

Drawing No:

28

- 90M Ski Jump Deck – views of the Olympic Sports Complex are now blocked by foreground vegetation.
- John Browns Grave/Farm Site – there are no views into the Olympic Sports Complex
- Crowne Plaza (formerly Holiday Inn) Parking Lot – **See Figure 29, Crowne Plaza Parking** showing photographs from this location. From this vantage point, nearly all of the combined track and the 1980 Start Building are within the view. The view is from a little over 5miles away and also includes a portion of the Village of Lake Placid and the ski jumps at the Olympic Jumping in the foreground of the view.
- Route 86 Overlooking Lake Placid Golf Course (designated scenic vista) – **See Figure 30, Route 86/Golf Course** showing photographs from this location. The upper and middle portions of the combined track are visible. The view also includes the ski jumps.

It is not anticipated that the proposed management actions included in this UMP Amendment will result in significant changes in views from locations where the Olympic Sports Complex is currently visible. The sliding sports building, the welcome/base lodge, the snow storage building and the groomer garage are all proposed at low elevations that are not visible. The proposed ski trails and the alpine coaster are proposed at higher elevation and in proximity to the combined track. However, due to the limited extent of disturbance associated with these management actions – 30 feet wide for the ski trails, and 12-15 feet wide for the alpine coaster, development of these elements will cause very little to no changes in tree canopy cover that may be visible from the distant vantage points within the Village that are a little over 5 miles away.

Night-Lighting

The visibility of the facility at night was also assessed. **Figures 31 and 32** contain photographs taken the night of March 11, 2018 from the Crowne Plaza Hotel Parking Lot, from the NYS Route 86 scenic vista at the golf course and from Adirondack Loj Road. The photographs were taken on a cloudy night with low cloud cover, with facility lit as it typically is for nighttime winter operation.

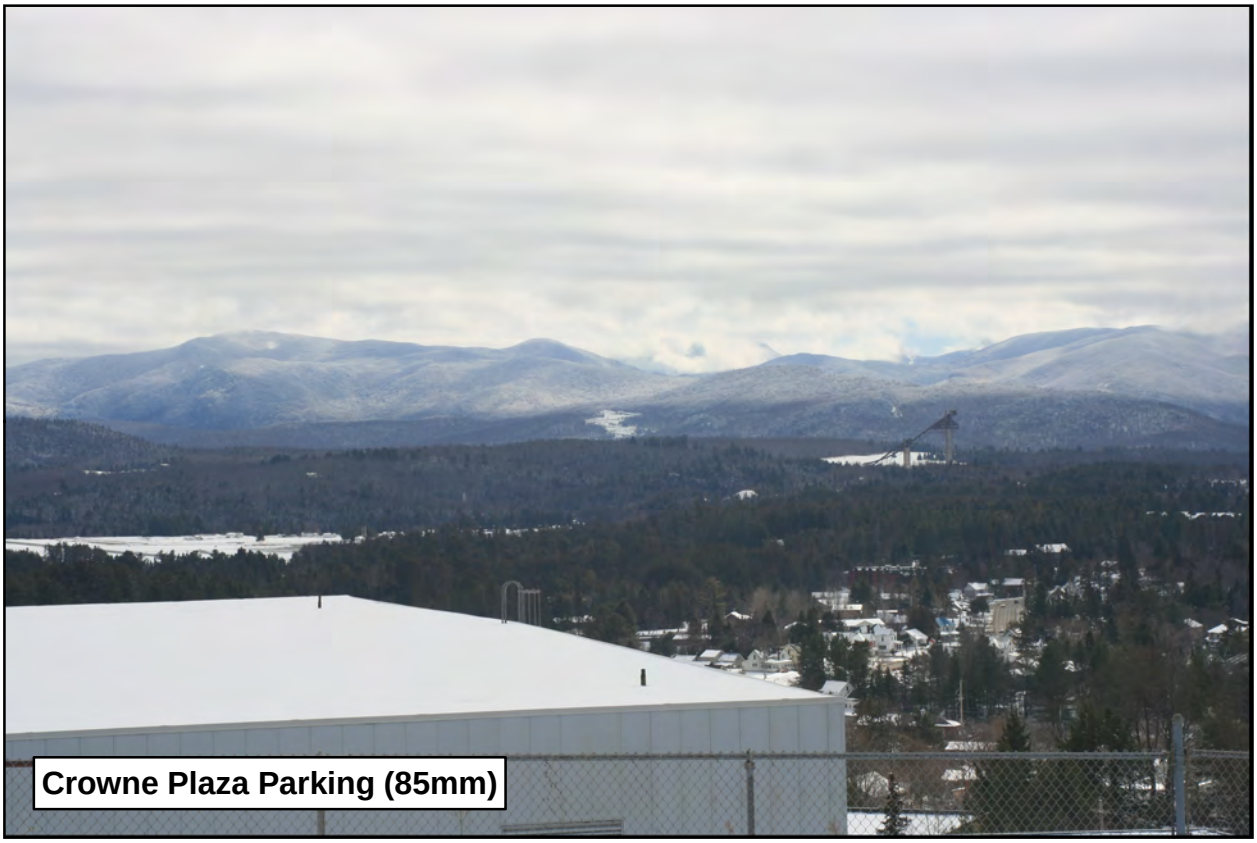
In the view from the Crowne Plaza parking lot, the upper portion of the track (lit with white LED and metal halide lights) above Start 5 is visible along with some portions of the access road lighting (lit with the more yellow high pressure sodium lights).

Not as much light is visible from the NYS Route 86/Golf Course location since it is almost 200 feet lower in elevation than the previous photo location.

In the night photo from Adirondack Loj Road, just the upper part of the track down to about Start 3 is visible. There is also some screened view of a short section of the lower track, possibly curve 17 entering the heart.

In additions to these locations, APA requested an evaluation of the night visibility of the facility

Crowne Plaza Parking (50mm)



Crowne Plaza Parking (85mm)

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Crowne Plaza Parking

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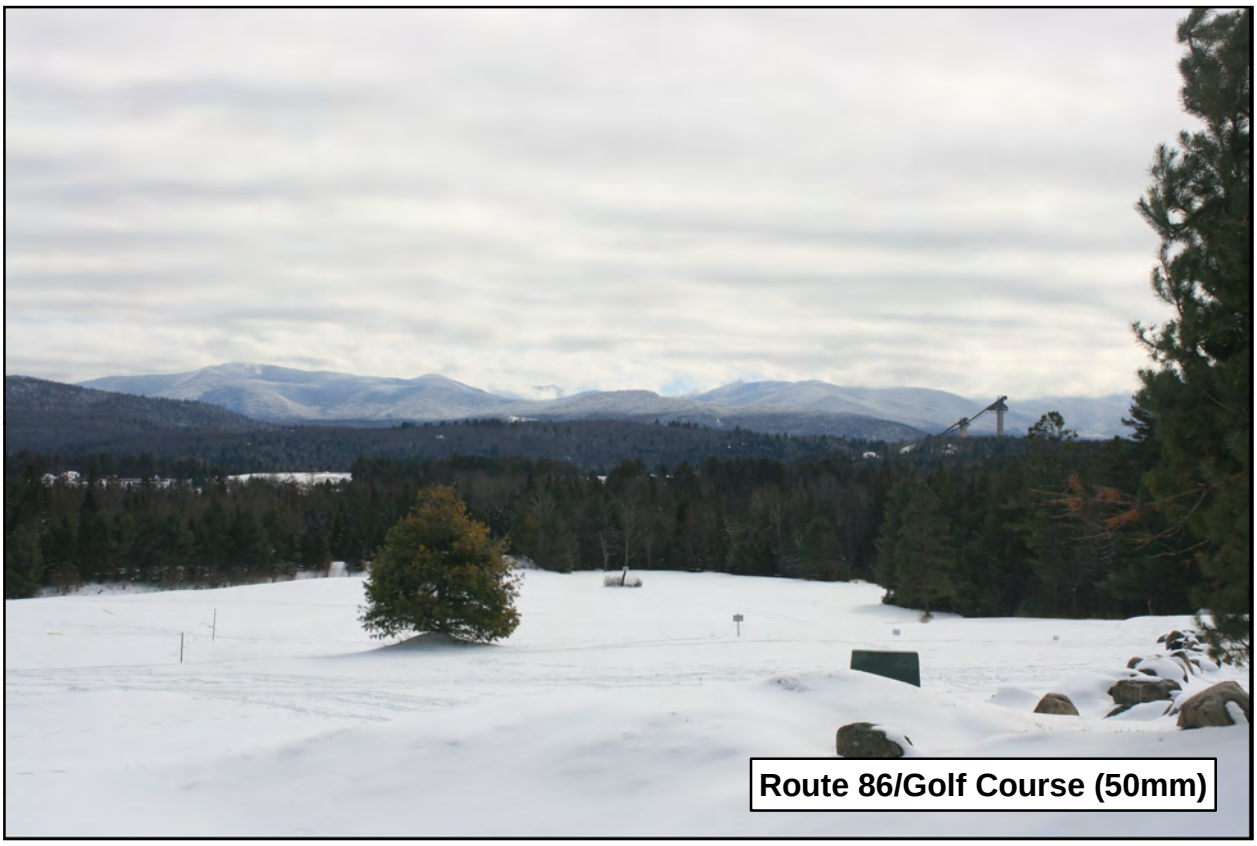

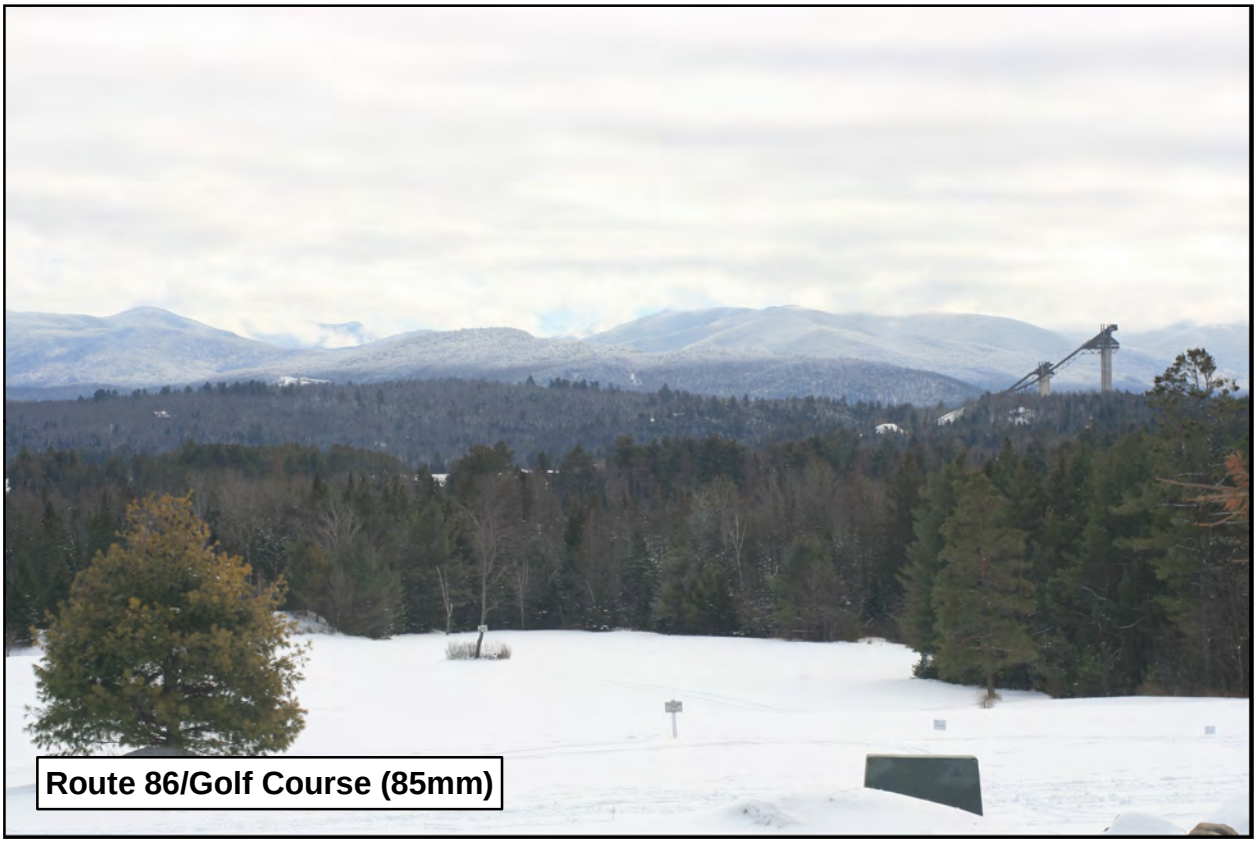

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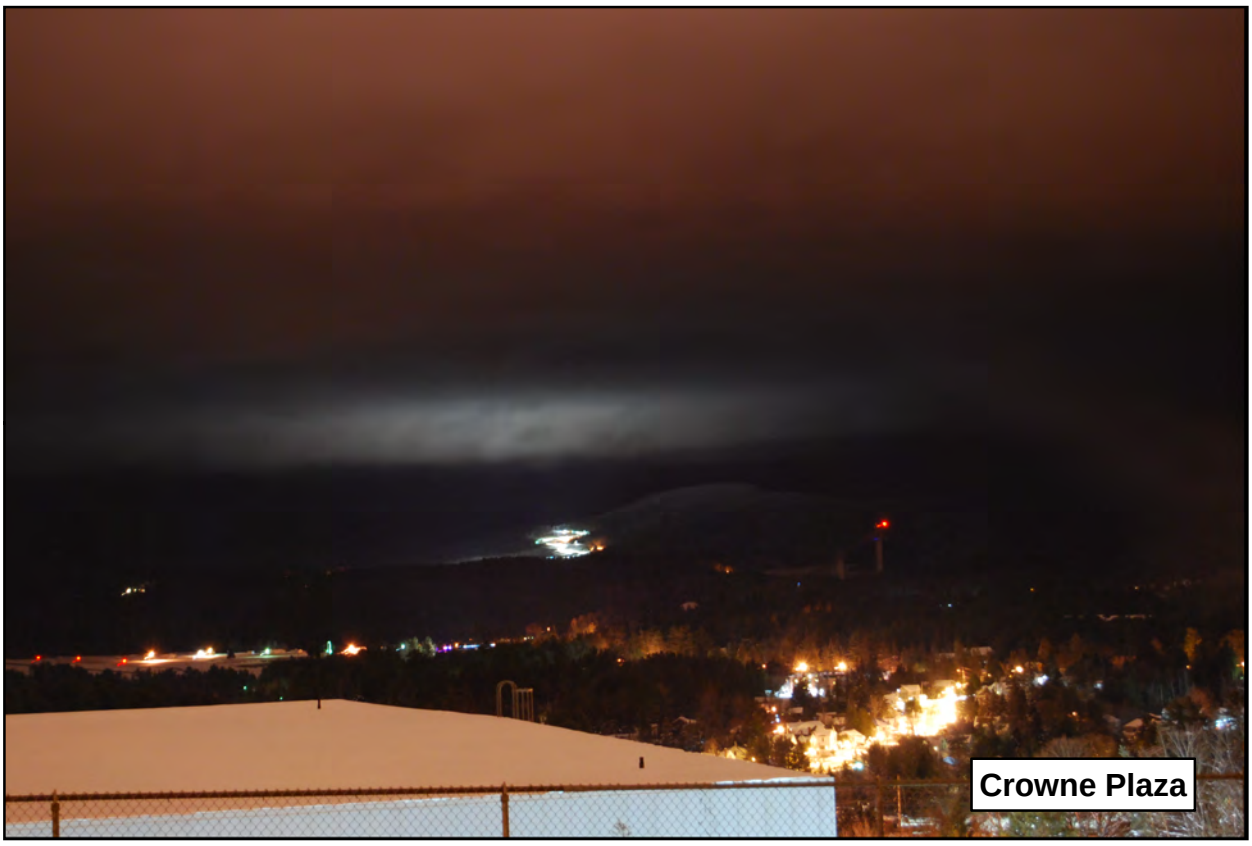
Route 86/Golf Course

Date: 03/12/2018
Project No: 2017004

Drawing No:
30



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Night Crowne Plaza &
Route 86/Golf Course

Date: 03/12/2018
Project No: 2017004

Drawing No:

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Night
Adirondack Loj Road

Date: 03/14/2018
Project No: 2017004

Drawing No:

from NYS Route 73 between the Olympic Jumping Complex and Cascade Lake as part of this UMP Amendment. This evaluation occurred on April 30, 2018. During this evaluation, facility personnel described conditions as presenting a worst-case scenario with cloud cover enhancing sky glow. The combined track was closed for the season, and during the evaluation all of the curve shades were pulled open along with shades on many other track sections. This would be unusual during normal operations. The curve shades are thick, white and opaque and transmit a very small amount of light. The shade/roof system had also been removed in the straight away between curves 19 and 20 in preparation for a tin system, therefore lighting in that area was not contained.

See Photo 1 on Figure 32A. This photo was taken just east of the entrance to the Olympic Sports Complex across the road from road from North Country School. The area that is lit is screened by vegetation except one area of lighting at the top of the combined track. Obviously, the glow from the lit tack is what is most visible. It is very unlikely that lit Nordic trails in the trees at a lower elevation will be noticeable.

There was no view of the light sources from the area around the entrance to the facility on NYS Route 73, and there was only a short duration (+/- 200 yards) when glow is visible.

Photo 2 on Figure 32A was taken just to the east of the Cascade Touring Center and is representative of the types of glimpses of the facility one gets through the trees as you drive along NYS Route 73. NYS Route 73 traverses along a hillside in this area allowing one to look down and across a low area at the facility. The road is heavily vegetated with a mature, mostly coniferous, forest which obscures the view of the facility but still allows glimpses of the lit facility through the trees. Again, the area most visible is the combined track on the hillside. It is very doubtful lighted nordic trails in the woods on the lower elevations would be visible, and most certainly would not be noticeable if the combined track is lit.

See **Figure 20, Lighting Diagram**. Changes in lighting proposed in this UMP Amendment are not expected to increase the visibility of the OSC at night.

- No changes are proposed to the current combined track lighting.
- Full cutoff roadway lighting is proposed in parking lots 2, 3 and 4 which are not visible in the photos due to their lower elevation. The fixtures would also be mounted at a height of 20-30', which is below the tree canopy height surrounding the parking lots.
- Proposed full cut off pedestrian lighting will replace existing road lighting in the area of the proposed plaza at the Welcome Lodge which is also low on the site and not visible in the photos. The existing road lighting is outdated and not dark sky friendly, and the proposed pedestrian lighting will be mounted at a lower height below the tree canopy height.

Photo 1 - Route 73 Across From North Woods School

Photo 2 - Route 73 Just East of Cascade Touring Center

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Night, NYS Route 73

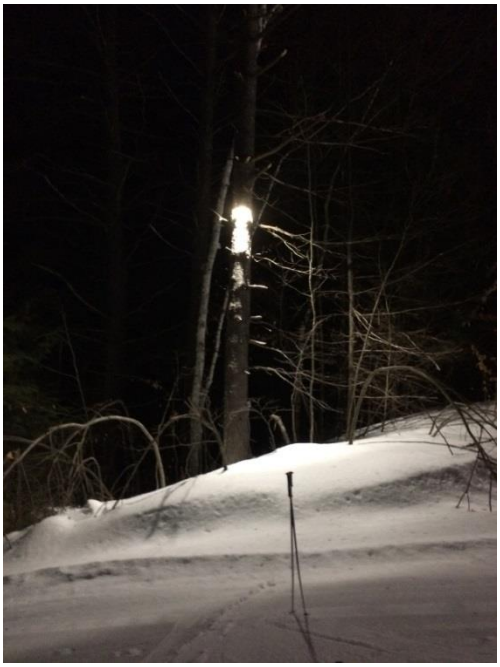
Date: 05/01/2018
Project No: 2017004

Drawing No:
32A

- The lower section of the ski trails and the alpine coaster are not visible in the photos due to their lower elevation, so the proposed lighting will not be visible.
- The alpine coaster will be lit with small full cutoff LED fixtures mounted to the track within the 12-15 wide track corridor at a height of approximately 10 feet. Low height, small fixture size and a narrow track corridor within the existing tree canopy will likely prevent most, if not all, light from the upper portion of the alpine coaster from being visible. Additionally, all of the existing lighting along the 1980 track, adjacent to the proposed alpine coaster, will be removed.

Alpine Coaster Light Example

- New ski trail lighting on the upper trails will be shielded flood lights directed downward within the 30 feet wide trail corridor and will be mounted on trees or on poles at a height of 15 to 30 feet. It is possible that some of the higher elevation ski trail lights may be slightly visible from off-site when trail direction is directly in line with the view, however the low mounting height, narrow trail clearing and existing wooded vegetation will prevent most, if not all of the proposed ski trail light from being visible. Any light that may be visible would be minimal in the context of what is currently visible.



- The roadway lighting on Upper Bob Run Road will be replaced with full cutoff roadway light fixtures. The use of the full cutoff fixtures will eliminate some of the light currently visible, but the reduction would be relatively minimal in the context of the unchanged track lighting. Additional full cutoff roadway light fixtures may be added in select dark spots along Upper Bob Run Road near Start 4 and lower, and at the improved parking area near Start 1. Additional light from these fixtures would be very minimal, and will not alter the existing nighttime view.

b. Mitigation Measures

No significant adverse impacts have been identified, so no mitigation measures are needed.

ORDA will continue to seek ways of decreasing the visibility of site lighting as described in Appendix 2A.

5. Fish and Wildlife

a. Impacts

Potential impacts and mitigation measures for aquatic habitats are discussed in the Surface Water and Wetlands section above and the Soils and Geology section above.

Potential impacts and mitigation measures for terrestrial habitats are discussed in the Vegetation section above and in the wetlands portion of the Surface Water and Wetlands

section above.

b. Mitigation Measures

No measures beyond those provided in the sections above entitled Surface Waters and Wetlands, Soils and Geology, and Vegetation are required.

6. Air Quality

a. Impacts

None of the new management actions contained in this UMP Amendment will be a source of significant air emissions. There will be some temporary construction related air quality affects related to dust and construction vehicle emissions. However, these will all occur within the interior of the intensive use area, removed from adjoining properties, and they will be short term and temporary in nature. During operations there will be some increase in vehicle emissions from visitors, but this is not anticipated to have any appreciable effects on local air quality.

b. Mitigation Measures

No significant adverse impacts have been identified, so no mitigation measures are needed.

7. Noise

a. Impacts

There will be noise associated with the biathlon shooting range when the range is in use during training and competition. However, biathlon shooting will be relocated to this area from the current biathlon range which is located more towards the exterior of the property and closer to adjoining properties and the NYS Route 73 corridor.

Noise from biathlon shooting was tested for a 2007 report prepared for the Olympic Jumping Complex. A single .22 caliber shot was found to have a sound level of 88.2 dBA at 30 feet away. This is equivalent to approximately 138 dBA at the source (0.1 foot away). Assuming 10 simultaneously fired .22 caliber shots (an unlikely scenario), the source noise level would be 148 dBA. When considering how this level of noise might affect adjacent Forest Preserve lands, the peak of Mt. Van Hoevenberg, 4,500 away from the biathlon range, was evaluated. At this distance, the 148 dBA would be +/- 55 dBA. Table E on page 19 of the DEC *Program Policy for Assessing and Mitigating Noise Impacts* (2001) describes a sound level of 55dBA to be in the "Quiet" range.

Snowmaking on the ski trails on the Town easement will be a source of noise, but it is not

expected the noise from snowmaking will cause impacts. It is expected that the snow guns that will be used will be low energy snow guns since they will be supplied with water from the nearby snowmaking reservoir that is higher in elevation than most of the trails. (High energy snow guns are more often used when water has to be pumped from greater distances.) A March 2011 noise study conducted for the most recent Belleayre Mountain Ski Center UMP documented a sound level (Leq) of 65.8 dBA for four simultaneously operating snow guns located 100 to 300 feet away.

Assuming a source noise of 65.8 dBA at a distance of 100 feet from the source, noise calculations can be made for expected sound levels at three nearby locations; the entrance on NYS Route 73 (+/- 4,230 feet away) the peak of Mt. Van Hoevenberg (+/- 3,000 feet away) and the private property to the east between the intensive use area and NYS Route 73 (+/- 4,230 feet away). At these distances the source level of 65.8 dBA would be 33.27, 36.26 and 33.27 dBA respectively. As a point of reference, Table E on page 19 of the DEC *Program Policy for Assessing and Mitigating Noise Impacts* (2001) lists the ambient sound level for a bedroom as 40 dBA.

b. Mitigation Measures

No significant adverse impacts have been identified, so no mitigation measures are needed.

B. Human Resources

1. Transportation

a. Impacts

The proposed improvements are intended to increase visitation to and use of the facilities at Mt. Van Hoevenberg. It is not expected that this increase in visitation will have significant impacts on transportation. Transportation impacts are associated with peak times of use and peak attendance. For Mt. Van Hoevenberg, these peaks are associated with competition events.

None of the proposed management actions are intended to increase the facility's capacities for competitions (parking, spectator space, etc.). Spectator attendance for events associated with the new biathlon stadium is not expected to exceed attendance for currently held events, including world class sliding events. It is possible that the frequency of competitions could conceivably increase, but the peak traffic generated from these events will not change.

The increase in use expected as a result of the proposed actions will be occurring throughout the day and during non-peak times.

Providing parking and trailhead facilities at Mt. Van Hoevenberg will improve transportation

conditions on that section of NY Route 73 where trailhead parking often is overcrowded.

b. Mitigation Measures

No significant adverse impacts have been identified, so no mitigation measures are necessary.

2. Community Services and Utilities

a. Impacts

There will be some increase in demand for community services such as fire, EMS, police, rescue, solid waste and health care. However, Mt. Van Hoevenberg presently makes little demand on such services and the increase in such demand is anticipated to be minimal.

There will be an increase in demand for electrical power associated with the proposed actions. Existing electrical infrastructure is adequate to meet the increased demand. Mt. Van Hoevenberg has its own water supply and wastewater disposal systems. There will be no increase in demand for municipal utilities.

b. Mitigation Measures

No significant adverse impacts have been identified, so no mitigation measures are necessary.

3. Local Land Use Plans

a. Impacts

The actions in this UMP Amendment are consistent with local, regional and ORDA efforts to enhance an attractive year-round day use recreation area.

b. Mitigation Measures

No mitigation measures are needed since no potential impacts have been identified.

4. Economics

a. Impacts

There are several economic impacts that are directly related to the UMP. These include pre-construction spending for professional services, construction spending related to labor and supplies for constructing the proposed actions, and operation spending by skiers for tickets, lodging, equipment rental and meal purchases on and off the site and payroll spending for new operations and vendor employees.

A multiplier effect will occur for revenues that are produced on the site and later off the site. This traditionally includes short-term (5 years) construction spending and long-term operational spending as well. Multipliers have been developed for all industries by the US Department of Commerce. They are used to predict the direct and indirect economic impacts generated by each spending sector. Direct economic impacts refer to additional revenues received from the Complex from construction and from Sports Complex users themselves. Indirect impacts include the additional purchases made by the recreational facility from other businesses to satisfy the additional demand, and induced impacts are produced from new spending of persons employed in the ski and off-season recreational industry. Each new dollar that is spent actually "turns over" causing additional dollars to be spent to satisfy a new demand. Generally, every dollar spent in the construction and operational phase generates approximately an additional two dollars of spending, thereby tripling the total economic impact.

b. Mitigation Measures

No mitigation measures are required since the impacts on the economy are entirely positive.

5. Historical and Archaeological Resources

a. Impacts

The potential for impacting the 1932/1980 bobsled track that is on the National Register of Historic Places was evaluated in conjunction with NYS Office of Parks Recreation and Historic Preservation (OPRHP). This evaluation is provided in **Appendix 4**.

b. Mitigation Measures

OPRHP determined that the proposed alpine coaster will have no adverse impact on the 1932/1980 bobsled track as long as the following measures are implemented.

1. The proposed interpretive signage program outlined in **Appendix 4** will be implemented within one year of the opening of the alpine coaster.

2. ORDA will establish a plan for ongoing routine maintenance and stabilization of the 1932/1980 track as needed as part of their overall maintenance at this facility. This plan will be developed in consultation with NYSDEC and NYSOPRHP.

ORDA is committed to implementing these measures.

SECTION VI ALTERNATIVES

A. Alternative Alpine Coaster Route

A number of circumstances contributed to the selection of the proposed alpine coaster location as the preferred location.

Lands at the OSC include lands owned by New York State that are considered Forest Preserve Lands. The alpine coaster cannot be built on these lands because it is not permissible. Article XIV of the NYS Constitution pertains to Forest Preserve lands and what can and cannot occur on these lands. Article XIV contains specific amendments that pertain to the alpine ski areas on Forest Preserve lands at Whiteface Mountain and Gore Mountain and the development that is allowed to occur at these locations (locations that are also operated by ORDA). There is no similar amendment to Article XIV pertaining to allowable development on Forest Preserve lands at the OSC.

There are other lands at the OSC that are not Forest Preserve lands. These other OSC lands are owned by the Town of North Elba which has granted the State of New York a permanent easement.

The original bobsled run was proposed on the west side of the Sentinel Range, in Wilmington Notch on State forest lands. Construction at this location was blocked by litigation from environmental organizations. This protest of a manmade structure in the Forest Preserve resulted in the construction of the 1932 bobsled track at Mt. Van Hoevenberg. The 1932 track, the 1980 track and the 1999 track were all constructed on Town of North Elba lands. Through a deed dated November 18, 1965, the State purchased from the Town of North Elba a permanent easement covering the 323.45 acres owned by the Town. This easement was acquired for the purpose of developing, operating and maintaining a recreational area and facilities thereon. Sliding sports (bobsled, luge, and skeleton) make use of tracks that have combinations of lengths, slopes and turn geometries that provide challenging, fast, and safe sliding conditions. The appropriate combination of factors that led up to the routing of the 1932 track (excluding the upper ½ mile in 1934) was reinforced by the 1980 track following the path of the 1932 track. The 1980 bobsled track has some higher bank turns than the 1932 track to accommodate the higher speed of the newer sleds, but it followed the same route down the mountain as the 1932 bobsled track. Alpine coasters also strive to provide the same challenging, fast and safe riding conditions.

The 1932/1980 bobsled track was constructed towards the east side of the Town lands. Physical and natural resources constraints to the west of the 1932/1980 bobsled track would make locating the alpine coaster in this area difficult. There is a topographic ridgeline that extends north on the mountain face just to the west of the western end of the 1932/1980 track just beyond zigzag curve. This presence of this topographic ridgeline obviously presented a challenge to the original design on the bobsled track and it was avoided by keeping the track to

the east of the ridgeline. Beyond these ridgelines there are also some streams coming down the mountainside that discharge into a wetland complex where the topography starts to become less steep. This wetland area is at about the same elevation as the lowest point of the 1932/1980 track. Construction of the alpine coaster in this area would also involve forest clearing along the route in order to construct and operate the alpine coaster.

Construction of the alpine coaster further to the west would also require construction of additional support infrastructure that would require additional environmental impacts. As currently designed, alpine coaster riders can make use of the existing access roads and parking in this part of the OSC. Constructing the alpine coaster further to the west would require, extensions of existing access and parking infrastructure at minimum, and possible construction of new infrastructure. New support infrastructure, such as restrooms for alpine coaster customers, would be required at a more remote location on the Town property.

B. Alternative Biathlon Stadium Configuration

Alternatives explored for design and placement of the biathlon stadium included using the existing 1980 Olympic biathlon stadium, utilizing the existing cross country stadium, locating the biathlon stadium entirely on the Town of North Elba lands, and alternative configurations that utilize the existing cross country parking lot as is currently proposed.

While the existing biathlon stadium has an existing range in a generally flat, open area, it does not meet modern day International Biathlon Union (IBU) and International Ski Federation (FIS) standards, nor does the trail network it connects to. Modifications to the trail network in order to achieve compliance with the necessary standards, (loops coming back into and out of the stadium, required climbs of specific gradient within certain distances of the stadium, etc.), would require tree clearing on Forest Preserve Lands and are therefore not viable.

Additionally, the existing biathlon stadium would likely require new supporting infrastructure to be sufficient for IBU and FIS sanctioned events. The venue's goal is to instead consolidate operations near the existing core area, (near Lamy Lodge and the existing parking lots), as this is where the bulk of the existing infrastructure is located.

The existing Cross Country Stadium was considered as a preliminary possibility. However, construction of a new biathlon range in this location would require the clearing of trees on Forest Preserve lands and therefore is not viable. Using the existing stadium as a part of a new biathlon stadium, (such as the start/finish area only), was also considered, but not pursued as the biathlon range would've had to have been located too far away to provide a proper stadium layout with adequate viewing for spectators.

Locating the Biathlon Stadium entirely on Town Easement lands, in the northeast corner of the easement boundary was also explored, but not pursued. The topography in this location is sloping, and locating all of the necessary stadium components entirely within this area

would've resulted in significant and impractical amounts of earthwork to create a generally flat area that is required for the stadium.

Finally, alternate stadium configurations were explored within the existing cleared area that includes the cross country parking lot, access road and parking for visitors to the combined track. Including all of the stadium components within this area is not viable as it would require additional tree clearing on Forest Preserve lands to meet the necessary spatial and layout requirements. Topography and the required orientation of the shooting range were additional factors that were considered and contributed toward making alternative configurations not viable. See **Figure 33, Biathlon Stadium Alternate**.

C. Alternative Maintenance Dredging at North Meadow Brook Intake

Mechanical Dredging (Excavation) with Streamflow Bypass- Excavation of the intake pool was explored and ultimately not selected due to the space limitations around the intake pool and environmental risks associated with the excavation process. Excavation of the pool would require the construction of an in-stream coffer dam and either a pump or rock channel bypass system to divert flow from the excavation area. An addition to the bypass system, a settling pond would also be required to dewater the excavated material prior to discharge to the brook downstream of the intake structure.

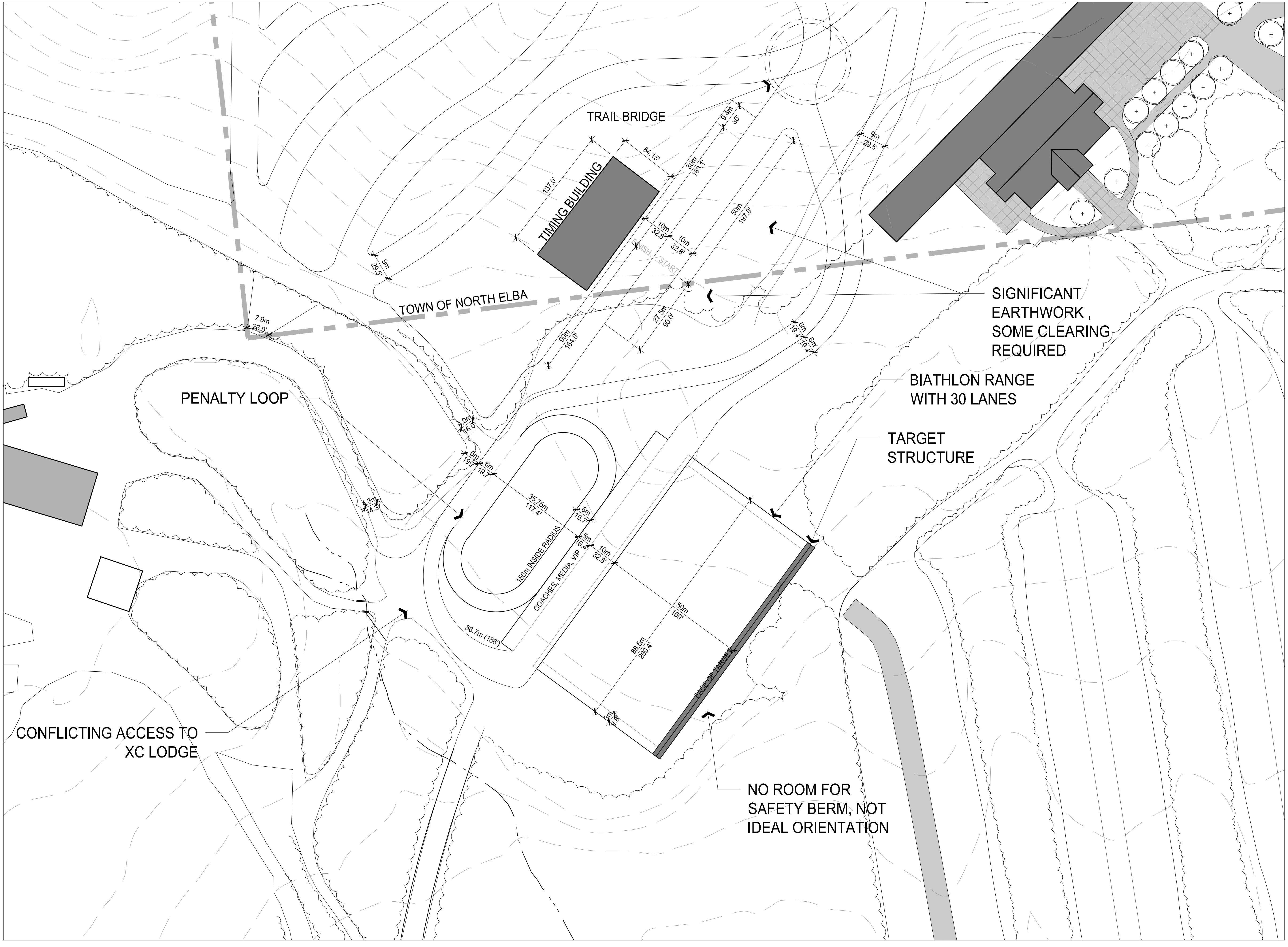
D. Alternative Snowmaking Reservoir

Two alternative snowmaking reservoir locations were considered for this UMP Amendment. See **Figure 34, Alternative Snowmaking Reservoirs**. The first alternative reservoir is a 5.5 million gallon reservoir that is located adjacent to the proposed biathlon stadium. This location was selected as it was on Town easement land which allows for the cutting of trees, and the topography in the area was favorable for a reservoir. However, this alternative would require the relocation of many biathlon trails in the area. The second alternative reservoir is a 7.3 million gallon reservoir that is located north of Bobsled Run Way near the facilities entrance off of NYS Route 73. This location was explored in the 1999 UMP Amendment and was deferred pending resolution of Article XIV issues.

E. Alternative Trailhead/Shuttle

The 1999 UMP Amendment included the management action: "Construct trailhead parking area in conjunction with DEC and DOT to serve those people accessing the trails to Pitchoff, Porter and Cascade Mountains".

This management action was contained in 1999 UMP Amendment Section IV.A.2 which contained those management actions that could be carried out pending Article XIV resolution. Thus, the trailhead parking that was being given consideration in the 1999 UMP Amendment must have been envisioned as new development on Forest Preserve lands at Mt. Van



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Prepared for:

OLYMPIC REGIONAL DEVELOPMENT AUTHORITY NEW YORK

Olympic Regional Development Authority
2634 Main Street
Lake Placid, New York 12946

MT. VAN HOEVENBERG

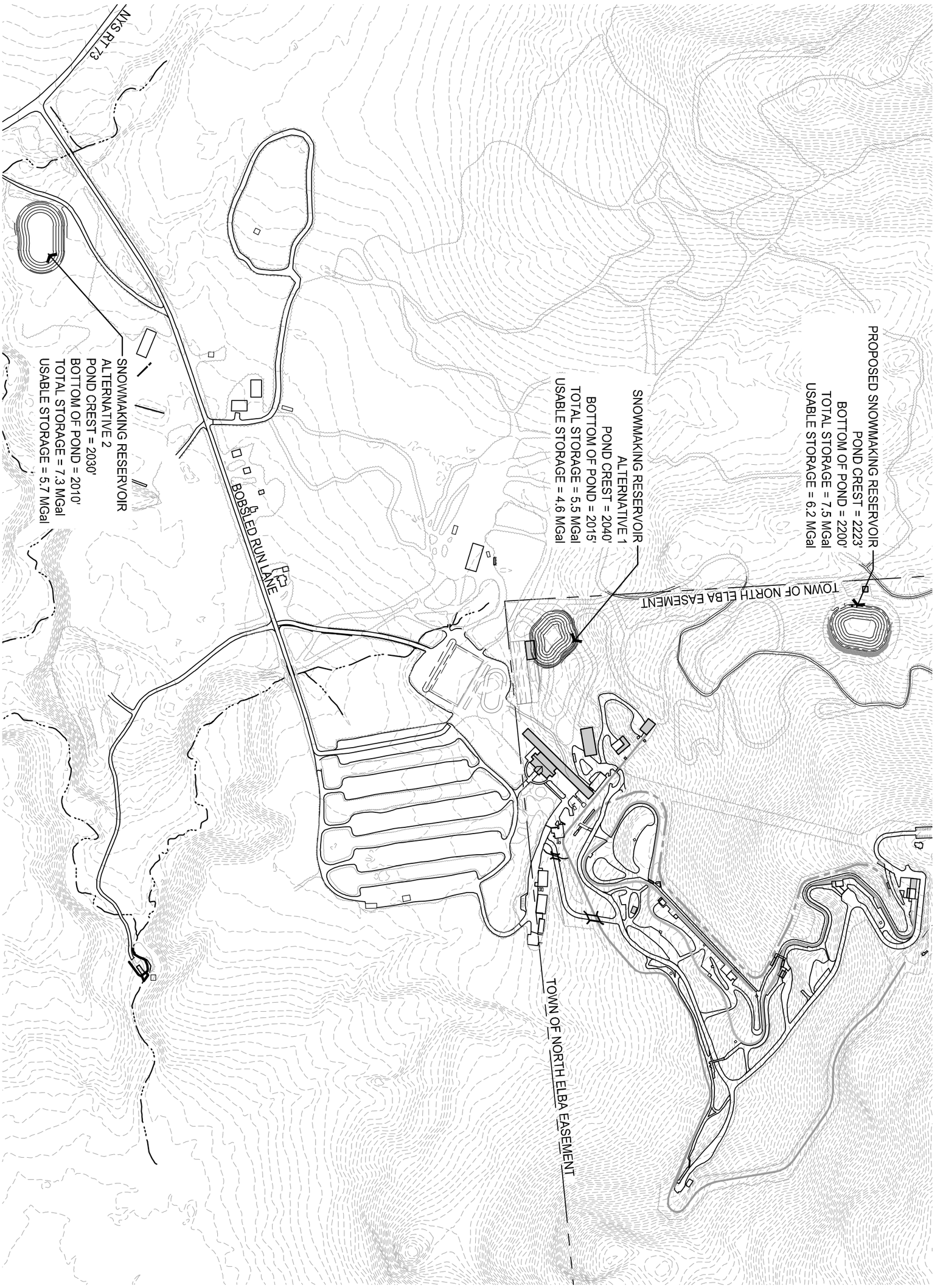
Project Title:
Mt. Van Hoevenberg Preliminary Draft 2018 Unit Management Plan Amendment & Draft Generic Environmental Impact Statement

Drawing Title
Biathlon Stadium Alternative

0 100 200
SCALE: 1" = 200 AT 11x17

Date:	March 16, 2018
Scale:	
Design:	MJT
Drawn:	KMK
Ch'k'd:	KJF
Project No.:	2017004

Drawing No:
33



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MT. VAN HOEVENBERG

Project Title:
Mt. Van Hoevenberg Preliminary Draft 2018 Unit Management Plan Amendment & Draft Generic Environmental Impact Statement

Drawing Title
Snowmaking Reservoir- Alternatives

0 250 500
SCALE: 1" = 500

Date:	March 16, 2018
Scale:	1" = 500'
Design:	BCS
Drawn:	BCS
Ch'k'd:	KJF
Project No.:	2017004

Drawing No:
34

Hoevenberg.

The currently proposed system of utilizing the existing parking lots at Mt. Van Hoevenberg and constructing a Welcome Center/Base Lodge to serve as a "trailhead" is a preferred alternative because it can be implemented once this UMP Amendment is adopted. There are no Article XIV issues to contend with the preferred alternative.

F. The No-Action Alternative

If the no-action alternative were pursued, none of the new management actions proposed in this UMP would be given consideration. Any management actions approved in earlier adopted UMPs, but not yet constructed/implemented, could remain in effect and can continue to be implemented.

The last UMP Amendment for Mt. Van Hoevenberg was in 1999, nearly 20 years ago. The no-action alternative would defer new planning for the facility, and could mean that the following goals set by ORDA for Mt. Van Hoevenberg may not be attainable:

- The Olympic Sports Complex will seek to improve the quality of facilities at the Complex in order to continue to attract competitive and recreational athletes from New York State, the United States and the international sports community, in order that public use may better help promote the economy of the area.

- The Olympic Sports Complex will seek to improve its economic return by making the mountain more attractive to professional athletes and recreators, and thus increasing ticket sales.

- The Olympic Sports Complex will seek to develop new summer and other off-season events to provide greater year-round use of the facility by the public, consistent with Article XIV and the APSLMP.

- The Olympic Sports Complex will seek to improve skier experience by providing snowmaking and night lighting on certain biathlon and cross-country ski trails.

- The Olympic Sports Complex will seek to establish the Olympic Sports Complex as an international caliber facility for competitive events in bobsled, luge, biathlon and cross-country skiing meeting international standards for competition.

- The Olympic Sports Complex will seek to improve equipment reliability in order to reduce the frequency of breakdown, associated staffing requirements and consequent financial drain.

- The Olympic Sports Complex will seek to reduce its operations and maintenance costs

by replacing outdated and aged equipment.

SECTION VII SUMMARY OF UNAVOIDABLE ADVERSE ENVIRONMENTAL IMPACTS

Some of the potential environmental impacts of the new management actions cannot be prevented or reasonably avoided. This section describes the unavoidable impacts that might occur as a result of the implementation of management actions set forth in this UMP which provide for further modernization, improvement and expansion of the Mt. Van Hoevenberg facility.

A. Construction Phase

Construction activities inevitably result in temporary impacts including: visual, noise, vibrations, dust, fumes and odors.

During construction, while vegetation is disturbed there is an increased risk of erosion during stormwater events and a resulting adverse impact in surface water quality. As a result, the water quality in nearby receiving waters may be impacted during the course of construction due to possible erosion of excavated areas. Preparation of project-specific Stormwater Pollution Prevention Plan (SWPPP) for construction activities using the mitigation measures described in Section V.A.2 will minimize these impacts.

Construction will involve clearing of vegetation on Town easement lands for the construction of trails, buildings, the alpine coaster and other proposed facilities. Clearing results in habitat loss that could increase runoff and adversely impact wildlife. (See Section 2 for an explanation of the Environmental Setting, and Section 5 for Potential Impacts and Mitigation Measures)

There may be a localized impact to air quality from dust during construction, however, this potential impact will be temporary and will not extend outside of the Intensive Use Area.

B. Operational Phase

There will be an incremental increased use of surface water resources for snowmaking water supply. ORDA will continue to withdraw water from North Meadow Brook in accordance parameters established in the 1986 UMP and the 1999 UMP Amendment.

Slightly increased attendance and operational activities as a result of the project will cause a corresponding slight increase in traffic levels, but peak hour traffic is not expected to significantly increase.

SECTION VIII IRREVERSIBLE AND IRRETRIEVABLE COMMITMENTS OF RESOURCES

The extent to which a proposed action may cause permanent loss of one or more environmental resources should be identified as specifically as possible based upon available information. Resources which should be considered include natural and man-made resources that would be consumed, converted or made unavailable for further uses due to construction, operation, or use of the proposed project, whether those losses would occur in the immediate future, or over the long term.

The management actions contained in this UMP Amendment do not involve any significant, irreversible or irretrievable commitment of natural resources under the footprint of the proposed ski trails, the proposed sliding sports building, the proposed welcome lodge, the proposed alpine coaster, the proposed snowmaking reservoir or other management actions. The footprint the proposed management actions represent a small commitment of these natural resources to built conditions.

Many of the management actions would involve the removal of existing vegetation and would disturb on- site soils. It is not believed that such impacts are significant. No rare, threatened or endangered species are known to inhabit the site.

There would be a commitment of raw materials for construction of the proposed buildings and the proposed alpine coaster, including concrete, steel, gravel, and wood. Energy resources would be required for the construction, operation and maintenance of the expanded facility.

SECTION IX GROWTH INDUCING, SECONDARY AND CUMULATIVE IMPACTS

This section identifies the potential off-site impacts that may occur following improvements to the Mt. Van Hoevenberg facility. Growth inducing and secondary impacts relate to changes in population, land use patterns, and the creation of new businesses. Cumulative impacts relate to changes from the project plus changes from other projects in the region.

A review of the period since the 1986 UMP gives an excellent idea of what kind of economic impacts have occurred in the local region as a result of the recent improvements at Mt. Van Hoevenberg. The total number of visitors per year has increased, as has the number of national and international competitions held at the facility. The increase has had an entirely positive impact on the local business community and outlying communities.

The additional business realized from more visitors and competitors translates into jobs for residents and compounds its value as it moves through the local economy. The salaries from this employment help stabilize the local economy by offsetting the summer seasonal employment then layoff syndrome that dominates the service industry in the North Country area.

Secondary impact results from the operation and spending of sports associations whose athletes utilize the Olympic venues. Due to ORDA's presence and active marketing of its facilities, the region is home to a number of these organizations, including the U.S. Luge Association, the U.S. Bobsled and Skeleton Federation and the National Sports Academy.

ORDA activities draw national television coverage as well as local and regional news coverage. Media exposure has a far reaching impact on drawing tourists to the Adirondack Region.

ORDA has recently completed a UMP Amendment for Whiteface Mountain that includes plans to upgrade the facilities at that venue. Cumulatively, improvements at Whiteface Mountain and at Mt. Van Hoevenberg will provide continued economic benefits for the Lake Placid Area and the Adirondack region of New York State.

SECTION X EFFECTS ON THE USE AND CONSERVATION OF ENERGY

Fuels will be used to power construction equipment and tools. Deliveries of construction materials will also require fuel. Outside contractors will use fuel for traveling to and from the job site at Mt. Van Hoevenberg.

Providing snowmaking on some ski trails will result in an increase in energy needed during operations. Similarly, energy demands will increase for the refrigeration needed for the Sliding Sports Facility and for heating for the Welcome Lodge building.

APPENDIX 1

ORDA-NYSDEC CONSOLIDATION AGREEMENT

AGREEMENT CONSOLIDATING THE
MANAGEMENT AGREEMENTS FOR THE GORE MOUNTAIN SKI CENTER, THE WHITEFACE MOUNTAIN SKI CENTER AND MEMORIAL HIGHWAY, AND THE MOUNT VAN HOEVENBERG RECREATION AREA

THIS CONSOLIDATION AGREEMENT is made by and between the NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION ("DEPARTMENT") and the OLYMPIC REGIONAL DEVELOPMENT AUTHORITY ("ORDA").

RECITALS:

A. The DEPARTMENT and ORDA, pursuant to the provisions of Section 2614 of the Public Authorities Law, entered into an agreement dated April 1, 1984, authorizing ORDA to use, operate, maintain and manage the Gore Mountain Ski Center Area, and entered into an agreement dated October 4, 1982, authorizing ORDA to use, operate, maintain and manage the Whiteface Mountain Ski Center and Memorial Highway, and the Mount Van Hoevenberg Recreation Area (hereinafter referred to collectively as "the Agreements");

B. The parties previously amended the Agreements several times, with the last amendment occurring on June 12, 2013;

C. The parties also entered into a Memorandum of Understanding effective December 15, 1984, that established methods and procedures to implement the foregoing Agreements (hereinafter "MOU"), and amended the MOU on March 11, 1991; and

D. The parties find it in their mutual interests to consolidate the Agreements and make other amendments necessary for their implementation.

NOW, THEREFORE, the parties hereby agree as follows:

1. Except as otherwise specified in this Consolidation Agreement, all terms and conditions of the Agreements as amended are hereby ratified and affirmed, and shall remain in full force and effect. Copies of the Agreements are attached hereto as Attachment 1, and a copy of the MOU is attached hereto as Attachment 2. In the event of any conflict between the Agreements and this Consolidated Agreement, this Consolidated Agreement shall control.

2. Section 10 of the April 1, 1984 agreement relating to management of the Gore Mountain Ski Center Area, and Section 11 of the October 4, 1982 agreement relating to management of the Whiteface Mountain Ski Center and Memorial Highway, and the Mount Van Hoevenberg Recreation Area, which pertain to unit management planning are amended to read as follows:

"Unit Management Plans.

A. General Guidelines

(1) In consultation with the DEPARTMENT, ORDA shall prepare and periodically amend Unit Management Plans ("UMP") for the facilities at the Gore Mountain Ski Center Area, Whiteface Mountain Ski Center and Memorial Highway, and the Mount Van Hoevenberg Recreation Area ("Facilities"), which ORDA manages pursuant to this agreement, as outlined in Section I, Introduction, Unit Management Plan Development of the Adirondack Park State Land Master Plan ("APSLMP"). The UMPs will contain an inventory of the natural resources, Facilities and public use of the Facilities; establish goals and objectives for the future use and management of the Facilities; evaluate alternative plans for the provision

and management of public use of the Facilities and an assessment of the environmental impacts of each alternative; establish preferred management options for the Facilities in fulfillment with ORDA's legislative mandate through a procedure involving the participation of interested citizens, user groups and adjacent local governments; describe the specific management goals and policies which are incorporated in the preferred management plan; describe any specific physical development or improvement projects required by the UMP, including a priority schedule for the completion of each project and estimated costs thereof; provide a priority schedule for the removal and/or termination of any non-conforming uses; and describe procedures for the continued monitoring of the UMP's implementation. A UMP cannot amend the APSLMP and as finally adopted shall be in conformance with the general guidelines and criteria of the APSLMP. Any issues with respect to conformance of a proposed UMP with the APSLMP will be resolved and any necessary amendments to the APSLMP acted on prior to ORDA providing the DEPARTMENT with a proposed Final UMP to pass on to Adirondack Park Agency ("Agency") for final review.

(2) Annually, ORDA shall provide the DEPARTMENT with a schedule for the preparation and/or revision of any UMP or UMP amendment proposed to be undertaken by ORDA with respect to any of the Facilities and shall promptly advise the DEPARTMENT of any changes thereto.

(3) To identify significant issues and constraints, scheduling, data needs, and public involvement, ORDA will consult with the DEPARTMENT prior to undertaking the preparation of a UMP or UMP amendment.

B. Staff Consultation

ORDA will consult with the DEPARTMENT in the preparation and/or revision of a UMP as follows:

(1) ORDA will provide written notification to the DEPARTMENT before the development of a written draft of a UMP update and/or amendment is prepared and will not undertake the preparation and/or revision of any UMP without written notice to the DEPARTMENT of the intent to do so.

(2) The Regional Director of the DEPARTMENT's Region 5 office in Ray Brook or the Director's designee shall be the DEPARTMENT's contact for formal communications between ORDA and the DEPARTMENT.

(3) ORDA's President/CEO or the President/CEO's designee will be the contact for formal communications between ORDA and the DEPARTMENT.

(4) ORDA shall request the official designation of a representative of the DEPARTMENT to assist ORDA with preparation and/or revision of UMPs. The DEPARTMENT will ask the Agency to designate a representative to assist ORDA with preparation and/or revision of UMPs.

(5) To assist the planning team in the development of individual UMPs, ORDA shall send drafts to the DEPARTMENT and consult with the DEPARTMENT on conformance issues.

(6) The DEPARTMENT will participate in planning team discussions, review preliminary UMP drafts, and comment on UMP text and proposed management actions.

(7) ORDA staff will consult with the DEPARTMENT during the drafting of UMPs and UMP Amendments. DEPARTMENT staff will review preliminary draft UMPs and provide comment on SLMP conformance issues. This internal, informal, deliberative process is ordinarily exempt from the Freedom of Information Law (FOIL).

(8) DEPARTMENT staff will participate in public information sessions and conduct field inspections with the planning teams.

(9) In the preparation of UMPs, ORDA will normally serve as lead agency for State Environmental Quality Review (SEQR), and the DEPARTMENT and the Agency will participate in the SEQR process as involved agencies.

C. UMP Review

INITIAL DRAFT UMP:

(1) ORDA will provide DEPARTMENT with fourteen review copies of an internal "Initial Draft" of the UMP or UMP amendment for the Facilities, including alternative management objectives, where appropriate, for review and comment, prior to the completion of a draft plan for public review (the "Public Draft"). The DEPARTMENT will provide seven of the drafts to the Agency for review. The DEPARTMENT will work with ORDA to best ensure that the fourteen review copies are distributed on a media such as CD's and Data Sticks, so that ORDA complies with the

intent and the spirit of Executive Order No. 4: Establishing a State Green Procurement and Agency Sustainability Program (2008).

(2) The Initial Draft UMP will contain all the elements specified in the APSLMP, including all required inventories, statement of alternative management objectives, administrative actions, schedules for UMP implementation and all information, text, maps and appendices which are intended for inclusion in the Public Draft.

(3) The DEPARTMENT shall be the primary contact with the Agency, with assistance from ORDA as requested by the DEPARTMENT, with respect to any UMPs for the Facilities, utilizing applicable provisions set forth in the UMP section of the March, 2010 Memorandum of Understanding between the Agency and the DEPARTMENT concerning implementation of the APSLMP or any such subsequent MOU.

PUBLIC DRAFT UMP:

(1) The Public Draft which ORDA provides to the DEPARTMENT for release by the DEPARTMENT for public review and comment will contain appropriate SEQRA documents.

(2) ORDA will provide copies of the Public Draft to the DEPARTMENT for release to Agency members, the Agency's Executive Director and the Agency's State Land staff. Upon release of the Public Draft, DEPARTMENT staff, with assistance from ORDA staff as requested, will

provide a presentation to the Agency on the proposed management actions contained in the Public Draft and provide a written submission to the Agency discussing the DEPARTMENT's position on key APSLMP conformance issues.

(3) If the initially released Public Draft is revised, subsequent drafts will be entitled "Revised Public Draft" and dated appropriately.

FINAL UMP:

(1) After completion of public review and comment on a UMP, ORDA shall prepare a response to public comments, necessary SEQR documentation and a proposed Final UMP, and provide them to the DEPARTMENT. After the Commissioner of the DEPARTMENT ("Commissioner") approves the proposed Final UMP, the DEPARTMENT will transmit the proposed Final UMP to the Agency.

(2) The proposed Final UMP will be in a form proposed for approval by the Commissioner.

(3) DEPARTMENT staff, with such assistance from ORDA staff as may be requested, will make a presentation on the proposed Final UMP to the Agency as a "first reading" and prior to formal approval by the Agency for APSLMP conformance.

(4) Following the conformance determination by the Agency and subsequent approval of a UMP by the Commissioner, the DEPARTMENT shall

publish a notice of approval of the Final UMP in the Environmental Notice Bulletin.

(5) The approved UMP shall contain a copy of the Agency resolution on APSLMP conformance and the Commissioner's approval memorandum. A copy of the Final UMP as approved by the Commissioner will be provided by the DEPARTMENT to ORDA and the Agency for their respective files.

D. UMP Amendments

Any modification involving new or expanded improvements to an adopted UMP prior to the periodic five-year update must be processed as an Amendment to the UMP following the procedure for original UMP preparation set forth above."

3. This Consolidation Agreement shall commence on the date it is signed by both parties and shall remain in effect for a term of twenty years.

4. The MOU as amended on March 11, 1991, shall remain in full force and effect and shall not be affected by this Consolidation Agreement, except that in the case of any inconsistency between this Consolidation Agreement and the MOU concerning unit management planning this Consolidation Agreement shall control.

IN WITNESS WHEREOF, the parties hereto have caused these present to be signed.

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

BY: _____ 10/30/13
Joseph J. Martens
Commissioner
Date

OLYMPIC REGIONAL DEVELOPMENT AUTHORITY

BY: _____ 11-17-13
Ted Blazer
President and CEO
Date

EDMS #471942 v. 7

FIRST AMENDMENT TO CONSOLIDATION AGREEMENT
(DEC No.CA00488)

THIS AGREEMENT is made by and between the NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION ("DEPARTMENT") and the OLYMPIC REGIONAL DEVELOPMENT AUTHORITY ("ORDA").

A. WHEREAS, the DEPARTMENT has administrative jurisdiction over the Gore Mountain Ski Center Area, the Whiteface Mountain Ski Center and Memorial Highway, and the Mount Van Hoevenberg Recreation Area;

B. WHEREAS, pursuant to the provisions of Public Authorities Law Section 2614, the DEPARTMENT entered into various cooperative agreements authorizing ORDA to use, operate, maintain and manage these facilities;

C. WHEREAS, by instrument dated November 11, 2013, the parties consolidated their various agreements concerning ORDA's use, operation, maintenance, and management of Gore Mountain Ski Center Area, Whiteface Mountain Ski Center and Memorial Highway, and the Mount Van Hoevenberg Recreation Area (hereinafter referred to as "Consolidation Agreement");

D. WHEREAS, the Parties may by mutual agreement amend the Consolidation Agreement pursuant to the underlying agreements;

E. WHEREAS, the Consolidation Agreement has a term of 20 years, and will expire November 11, 2033; and

F. WHEREAS, the parties have determined it is in their interest to amend the Consolidation Agreement by extending its term to 25 years.

NOW, THEREFORE, the parties hereby agree as follows:

1. Section three of the Consolidation Agreement is amended to provide that it shall terminate on December 31, 2040, unless modified in writing by the parties.

2. All other terms all terms and conditions of the Consolidation Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have caused these present to be signed.

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

BY: _____ 6/18/2015
Joseph J. Martens
Commissioner
Date

OLYMPIC REGIONAL DEVELOPMENT AUTHORITY

BY: _____ 6-23-15
Ted Blazer
President and CEO
Date

EDMS #534278

MEMORANDUM OF UNDERSTANDING

BETWEEN

THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

AND

THE OLYMPIC REGIONAL DEVELOPMENT AUTHORITY

THE DEPARTMENT OF ENVIRONMENTAL CONSERVATION ("DEC") and THE OLYMPIC REGIONAL DEVELOPMENT AUTHORITY ("ORDA") entered into the following agreements in connection with the transfer of the management of certain winter recreational facilities under DEC's care and custody, to ORDA:

1. Agreement dated October 4, 1982, amended November 10, 1982 and amended April 1, 1984, in relation to Whiteface Mountain Ski Center and Memorial Highway, and Mt. Van Hoevenberg Recreation Area, and
2. Agreement dated April 1, 1984, in relation to Gore Mountain Ski Center.

There are a number of provisions in the aforesaid agreements requiring that certain specific actions be taken from time-to-time by the parties, including compliance by ORDA with all applicable laws and implementing regulations, whether federal, state or local, in all its activities relating to the facilities subject to the aforesaid agreements. The purpose of this memorandum is to establish mutually agreeable methods and procedures by which certain managerial requirements contained in the aforesaid agreements

can be fulfilled in an orderly and efficient manner. It is the further purpose of this memorandum to establish the means for the implementation of the Unit Management Plans described in Section VII. hereof.

It shall be the responsibility of the signatories or their designees to generally administer the provisions of this Memorandum of Understanding. This memorandum amends and supersedes that certain existing Memorandum of Understanding between DEC and ORDA effective December 15, 1984, which established mutually agreeable methods and procedures for implementation of the aforesaid agreements between DEC and ORDA relating to Whiteface Mountain Ski Center and Memorial Highway, Mt. Van Hoevenberg Recreation Area and Gore Mountain Ski Center.

The aforesaid requirements contained in the aforesaid agreements are set forth below, together with the methods and procedures to be followed for their implementation. Compliance with this memorandum and the individual Unit Management Plans for the above facilities shall occur immediately.

I. Inspections:

ORDA agrees to conduct a joint inspection of all facilities at least annually with the DEC. The ORDA also agrees that the DEC may conduct unannounced inspections of the facilities at any time in a reasonable manner.

Implementation:

Annually, during the month of July, joint inspections will be held at each of the facilities covered by the aforesaid agreements. The purpose of inspections shall be to document, in writing, compliance with all aspects of the agreements and with the aforesaid unit management plans. While the agreements allow for unannounced inspections, the parties shall enter into this agreement in the spirit of cooperation. DEC shall contact the ORDA Environmental Monitor and the Facility Manager to accompany the DEC staff only in connection with any non-regulatory or non-enforcement inspections of the facilities other than the annual inspection. Such non-regulatory or non-enforcement inspections, however, shall not be delayed due to the unavailability of said ORDA individuals. In the event of an emergency situation involving a non-regulatory or non-enforcement matter, said ORDA personnel shall also be contacted to the extent practicable. In ORDA's case, the annual inspection and non-regulatory or non-enforcement inspections will be conducted by the Facility Manager and ORDA's Environmental Monitor. In DEC's case, all annual joint inspections will be coordinated by the Region 5 Supervisor of Natural Resources; all non-regulatory or non-enforcement inspections shall

be coordinated by the appropriate DEC program supervisor.

II. Maintenance:

ORDA agrees to maintain and keep the facilities, personal property and equipment in good repair. All mechanical equipment shall be maintained and operated in accordance with manufacturers' recommendations and applicable industrial code rules.

Implementation:

This will be discussed during the annual inspection trips. A paragraph in the inspection letter will reference compliance with this section. In the case of personal property and equipment, this provision means such personal property and equipment owned by DEC, and not such personal property and equipment independently acquired by ORDA.

III. Repairs:

ORDA also agrees to undertake any repairs or manner of repairs to the facilities, personal property and equipment which the DEC specifically requests, so long as the funds therefor are made available to ORDA.

Implementation:

Any requests from DEC to ORDA shall be in writing at the time of request. During the annual inspection trip, if there are projects that were requested during the previous year, their completion should be referenced in the inspection letter.

IV. Public Recreation:

ORDA agrees to continue providing the space, facilities and level of public recreation, including youth sports, training, promotion and programming, which were provided by DEC at each facility during calendar year 1981.

Implementation:

The Appendix/Exhibit listing the Recreation Program (See Appendix B of the aforesaid Whiteface Mountain Ski Center/Mt. Van Hoevenberg Recreation Area agreement, and Exhibit 3 of the aforesaid Gore Mountain Ski Center agreement.) will be reviewed during the annual inspection trip and a note of compliance will be placed in the inspection letter.

V. Existing Agreements:

ORDA agrees to comply with all agreements to which DEC is a party concerning the facilities which were in existence on the date on which this Agreement was executed.

Implementation:

Each agreement listed in the Appendix/Exhibit (See Appendix C of the aforesaid Whiteface Mountain Ski Center/Mt. Van Hoevenberg Recreation Area agreement, and Exhibit 4 of the aforesaid Gore Mountain Ski Center agreement.) will be reviewed during the annual inspection trip and will be referenced in the inspection letter.

VI. Capital Improvements:

The DEC agrees that ORDA may undertake capital improvements to the facilities. ORDA agrees to obtain the prior written approval of DEC before undertaking any such improvements, and further agrees, if federal funds are to be sought for such improvement, to obtain the prior written approval of DEC of any application for such funds.

Implementation:

The Commissioner or his designee shall give written approval to each year's capital projects affecting

DEC's facilities before Board approval is obtained. Such action constitutes approval, within budget, to commence the project development process, including planning and design, Unit Management Plan planning, State Environmental Quality Review Act (SEQR) review, obtaining applicable regulatory approvals, and public bidding, etc., as necessary. ORDA shall also request prior written approval from the Commissioner or his designee for any federal funds sought to undertake such capital improvements. During the annual inspection trip, each capital improvement completed shall be listed in the inspection letter.

VII. Unit Management Plans:

Unit Management Plans, together with Final Environmental Impact Statements, were prepared by ORDA and DEC, in consultation with the APA, and adopted by the Commissioner of Environmental Conservation for the Mount Van Hoevenberg Recreation Area on December 2, 1986; the Whiteface Mountain Ski Center on May 19, 1987; and the Gore Mountain Ski Center on November 18, 1987.

Implementation:

A. ORDA will provide DEC with specific notice prior to undertaking any management actions described in a

Unit Management Plan or in an amendment thereto for determination of consistency with the applicable Unit Management Plan. (See Appendix I for Unit Management Plan amendment process). Such notice shall be given at least 30 days prior to the actual undertaking of construction of the management action. Such notice will include a project plan, the appropriate environmental assessment as may be required under SEQR, an erosion control plan for any projects that may result in disturbance of soils, together with the declaration of significance. It is understood that DEC will be an "involved agency" concerning these actions throughout the SEQR process.

B. ORDA shall comply with all formal DEC policies or delegations affecting Unit Management Plan compliance by DEC.

C. The Unit Management Plans provide that the cutting of trees associated with the implementation of management actions will be in accordance with the established policies and procedures of the Commissioner of Environmental Conservation (See Appendix II - Organization and Delegation Memorandum #84-06, as amended). The DEC procedures will be initiated by the Regional Forestry Manager for DEC upon notice by the ORDA facility manager

that tree cutting is contemplated in conjunction with a management action. The Regional Forestry Manager will inform the ORDA facility manager within five working days, in writing, as to whether the cutting may proceed or that notice will be required in the Environmental Notice Bulletin ("ENB") and that the cutting will be reviewed pursuant to the DEC tree cutting policy. Should notice be required, ORDA will provide DEC with the appropriate ENB notice including the designated contact person. The DEC will then complete the notice requirements and inform ORDA as to the decision in writing upon completion of the review process. It is agreed that Environmental Notice Bulletin publication and DEC review will not be required in cases where the tree cutting was specifically described in the detail required by the DEC policy in the Unit Management Plan and noticed in the ENB in the process of adoption of the Unit Management Plan or an amendment thereto. Such notice must include a count of the number of trees to be removed which exceed three inches in diameter and the acreage of land involved. Nor will such notice and review be required where a tree cut could constitute a "Type II Action" under the DEC rules and regulations governing the

implementation of SEQR (6 NYCRR 618.2). Any trees cut in accordance with this section can be removed from the premises in any manner deemed feasible by ORDA so long as such method is consistent with the guidelines of the State Land Master Plan, the Unit Management Plan, Article 8 of the ECL, and Division Direction Memorandum LF-84-2 dated May 31, 1984 and LF-84-2 Supplement dated July 3, 1986. (See Appendix III).

D. A new structure or improvement not described in a Unit Management Plan, or in an amendment to a Unit Management Plan, cannot be undertaken or constructed. This provision, however, does not prevent ORDA from undertaking the construction of the following activities, provided that all conditions in Items A, B, and C above are fully complied with and implemented.

1. Ordinary maintenance, rehabilitation and minor relocation of conforming structures or improvements as defined and interpreted in the DEC-APA Memorandum of Understanding governing implementation of the State Land Master Plan (SLMP), as last amended on April 3, 1985.

2. A change in the use of a structure or improvement as described in a Unit Management Plan that is not inconsistent with the guidelines and criteria of the SLMP for intensive use areas,

3. Any facility or structure that is listed as a Type II Action in the DEC rules and regulations governing the implementation of SEQR (6 NYCRR 618.2) and, in particular, the construction and location of single, small, new or existing facilities or structures where the total area of the structure or expansion does not exceed 400 square feet and the surroundings are returned to their original condition after the construction/installation of the structure or facility.

4. Any project consisting solely of the cutting of not more than ten (10) trees more than 3 inches in diameter at breast height.

5. Any action deemed immediately necessary to insure public health or safety. In such cases DEC will be immediately notified of the situation and what the proposed or ongoing action consists of.

E. The Unit Management Plans will be administered on a day-to-day basis by the Environmental Monitor for ORDA and the Region 5 Supervisor of Natural Resources for DEC. Notification of project

implementation, concerns dealing with potential environmental problems, requests for change in preapproved action plans, need for Unit Management Plan amendment and other similar communication will all take place between the Environmental Monitor for ORDA and the Region 5 Supervisor of Natural Resources for DEC. Agreements made by these individuals will be binding on both agencies. If agreement cannot be reached on a specific issue, the issue will be elevated in the respective agencies for resolution.

VIII. Removal of Property and Equipment:

No part of any facility, nor personal property or equipment of DEC used in connection therewith, shall be sold or removed from the facility without the prior written approval of DEC.

Implementation:

DEC currently maintains a computer program for the inventory of property. All DEC equipment transferred to ORDA is part of that inventory. DEC shall supply appropriate forms to ORDA and ORDA will advise DEC via the forms when equipment is surplused, destroyed or when new DEC equipment is acquired. DEC shall maintain the inventory and shall annually certify with ORDA that the list is

correct. Lead role in DEC for the above items is vested in the Division of Operations Central Office.

This Memorandum of Understanding will become effective upon its execution by each of the parties hereto.

DEPARTMENT OF ENVIRONMENTAL CONSERVATION

BY: Thomas C. Jorling

Thomas C. Jorling, Commissioner

Date March 11, 1991

OLYMPIC REGIONAL DEVELOPMENT AUTHORITY

BY: Ned Harkness

Ned Harkness, President, C.E.O.

Date March 8, 1991

APPENDIX I

REVISION/AMENDMENT TO UNIT MANAGEMENT PLANS

1. Any material modification or amendment to the unit management plans is to conform to the guidelines and criteria of the SLMP, and will be made following the same procedure prescribed in the master plan for original unit management plan preparation.

2. A proposed amendment will be presented in its complete form and content, including indication of the specific sections of the existing management plan being amended, and be accompanied by:

   (A) An evaluation of whether or not the proposed amendment will require a reexamination of the inventory and assessment section of the plan.

   (B) If the amendment represents a departure from the goals and objectives stated in the plan, a discussion of impacts of the new objectives on facilities, public use and resources of the unit.

   (C) An assessment of whether or not the proposed amendment is consistent with carrying capacity of the area.

   (D) A schedule for the implementation of proposed management actions.

Any action to amend a unit management plan in connection with a proposed management action is to be initiated no later than the required site-specific environmental assessment pursuant to SEQR.

3. Consistent with the DEC-ORDA management agreements, ORDA and DEC will cooperate and provide such staff assistance as may be necessary in the preparation of amendments to the unit management plans. Both agencies will designate an appropriate representative to be the lead contact person in the matter. Division of Responsibility shall be as follows.

ORDA -

Develop and make appropriate revisions, in response to comments, to all documents. These will include the actual plan and accompanying SEQR.

Provide for public comment including hearings/ meetings. Make a record of comments and responses.

Print and distribute all draft and final documents.

Present draft documents to designated DEC contact for DEC review, including the SEQR committee, posting in the Environmental Notice Bulletin, APA review and DEC Commission's final approval.

DEC -

Provide assistance to designated ORDA representative on format and procedure.

Coordinate APA review and comments.

Coordinate DEC review, comments and final approval.

Coordinate all notices in the ENB.

APPENDIX II

File Ref. 1620

HENRY G. WILLIAMS, Commissioner
New York State
Department of Environmental Conservation

February 16, 1984

TO: Executive Staff, Division and Regional Directors

FROM: Hank Williams

RE: ORGANIZATION AND DELEGATION MEMORANDUM #84-06

Purpose:

To establish a policy regarding the prohibition of cutting, removal or destruction of trees and other vegetation on all Forest Preserve lands pursuant to Article XIV of the Constitution of New York State.

Background:

Article XIV of the Constitution specifically states that the timber on the Forest Preserve shall not "...be sold, removed or destroyed." Over the years it has been necessary to occasionally cut trees in the interest of public safety, overall protection of the Preserve and for the development of facilities. Such cutting has been sanctioned through Consitutional Amendment or by Opinion of the Attorney General, who has interpreted the Constitution as allowing such cutting.

Policy:

Section 9-0105 of the Environmental Conservation Law provides that the Division of Lands and Forests has responsibility for the "care, custody and control" of the Adirondack and the Catskill Forest Preserve. In accordance with this responsibility, all construction of new facilities, expansion or modification of existing facilities and maintenance of facilities, that will result in the cutting, removal or destruction of vegetation on any of the lands constituting the Forest Preserve shall require approval of the Director of the Division of Lands and Forests in accordance with the following Procedure. However, under no circumstances will approval be granted for the cutting of trees for firewood, timber or other forest products purposes.

Procedure:

A. Construction of New Facilities and the Expansion or Modification of Existing Facilities

All projects that involve the cutting, removal or destruction of trees or other vegetation in the Forest Preserve must have approval from the Director of the Division of Lands and Forests to be applied for in the following manner:

1. Regional Facilities

Requests for approval will be submitted by the Regional Director to the Director of the Division of Lands and Forests

2. Non-Regionalized Facilities

Requests for approval will be submitted by the Director of the Division responsible for the facility to the Director of the Division of Lands and Forests

Requests for approval to cut, remove or destroy trees for the purpose of new construction, expansion or modification projects must be submitted in writing and include the following information:

- The location of the project including a map delineating the project
- A description of the project and its purpose
- A count, by species, of all trees to be cut, removed or destroyed
- A delineation of areas where vegetation, in addition to trees three inches or more in diameter, is to be disturbed
- A listing of any protected species of vegetation located within three hundred feet of the area to be disturbed during the project
- A description of measures to be taken to mitigate the impact on and restoration of vegetation, if appropriate, to the area impacted

All decisions to approve any cutting, removal or destruction of trees will be subject to individual SEQR determinations.

B. Routine Maintenance

Responsibility for approval of all routine maintenance projects involving the cutting, removal or destruction of trees or other vegetation is delegated to the Regional Forester for the region in which the project is to occur.

Routine maintenance projects include the following activities:

- Maintenance of foot trails, cross-country ski trails, etc., including "the cutting of the few trees necessary...." (1934 A.G. 268 January 18, 1934.)
- Boundary line surveys and the maintenance of such boundary lines as "an aid to the conservation work of the State...where the number of small trees utilized or removed...appear immaterial (1934 A.G. 309 September 20, 1934.)
- Removal of "dead timber, either standing or fallen...for fuel at the public camp sites...." (1934 A.G. 315 October 30, 1934.)
- Maintenance of scenic vistas along trails when "tree removal may not be sufficient to pass the point of immateriality." (1935 A.G. 27 January 17, 1935.)
- Removal of dead and hazardous trees in developed areas such as campgrounds and ski centers "that endanger people." (1935 A.G. 30 June 26, 1985.)
- Salvage of windfall timber when "such blowdown timber constitutes a fire hazard." (1950 A.G. 154 December 28, 1950.)

1. Regional Facilities

   Requests for approval of routine maintenance projects will be made to the Regional Supervisor for Natural Resources who will direct them to the Regional Forester.

2. Non-Regionalized Facilities

   Requests for approval of routine maintenance projects will be made by the facility manager to the Regional Director of the Region in which the facility is located, who will direct them to the Regional Forester.

Requests for approval of routine maintenance projects should be submitted in writing as soon in advance of the date of beginning of the maintenance work as possible and include a description of the project and its location. If prior written or verbal approval cannot be obtained, hazardous trees involving imminent danger to human safety or damage to facilities may be removed without prior approval. However, such action must be reported within 24 hours following removal of the tree(s).

File Ref: 1620

MEMORANDUM FROM:
HENRY G. WILLIAMS, Commissioner
New York State
Department of Environmental Conservation

July 29, 1986

TO: Executive Staff, Division and Regional Directors

FROM: Hank Williams

SUBJECT: Organization and Delegation Memorandum #84-06: Addendum

- -

Background:

The above memorandum was promulgated on February 16, 1984 "To establish a policy regarding the prohibition of cutting, removal or destruction of trees and other vegetation on all Forest Preserve lands pursuant to Article XIV of the Constitution of New York State."

Since that time it has come to our attention that the procedures established in the memorandum do not include provision for adequate notice to the public as to the number of trees proposed to be cut and the size of the land area involved on specific projects.

Amendment:

Therefore, Part A. under Procedure of Memorandum #84-06 is amended and expanded by the addition of the following paragraph at the end of such Part A. on page 2. of such Memorandum.

> Any construction or reconstruction activity involving land under the jurisdiction of the Department of Environmental Conservation within the Adirondack or the Catskill Park--regardless of the classification of such land--that is a Type I action or otherwise requires notice in the Environmental Notice Bulletin will include information in such notice as to the (1) acreage or extent of the land area proposed to be involved and (2) number of trees in excess of three inches stump diameter proposed to be cut, removed or destroyed. A copy of such notice as it appeared in such Bulletin (with the date of the Bulletin noted) will be included and made a part of the information constituting the "request for approval" just above described.

APPENDIX III

M E M O R A N D U M

July 3, 1986

TO: Chief, Bureau of Preserve Protection and Management
Regional Supervisors for Natural Resources

FROM: Norman J. VanValkenburgh

SUBJECT: DIVISION DIRECTION -- LF-84-2 Supplement
TOPIC: Cutting, Removal or Destruction of Trees and Other Vegetation on Forest Preserve Lands

As you will recall, Commissioner Williams promulgated Organization and Delegation Memorandum #84-06 on February 16, 1984 for the purpose of "...establish(ing) a policy regarding the prohibition of cutting, removal or destruction of trees and other vegetation on all Forest Preserve lands pursuant to Article XIV of the Constitution of New York State." In order to implement the provisions of #84-06, this Division issued procedures on May 31, 1984 under designation LF-84-2.

However, the question of whether or not live-standing trees could be cut and used for maintenance of trails including "the construction of structures such as foot bridges, dry tread and water bars" remained. Accordingly, an opinion on this question was formally requested of the Attorney General on November 8, 1985. A copy of such request is attached hereto for information and clarification purposes.

A reply from the Attorney General under date of June 24, 1986 has now been received. A copy of such Formal Opinion No. 86-F3, which allows for the "supervised selective cutting...of only those few scattered trees necessary for the maintenance of popular and steep trails to lessen soil compaction, erosion and the destruction of vegetation" within other specified constraints and parameters, is attached and made a part of this memorandum.

With Formal Opinion No. 86-F3 in hand, it is appropriate to now revise Division Direction-LF-84-2 to incorporate those added authorities. Accordingly, paragraph 1 (page 4) of Part II of LF-84-2 is hereby deleted and the following substituted therefor:

1. Maintenance of foot trails, snowmobile trails, cross-country ski trails, horse trails.

This includes projects that involve blowdown removal, hazard tree elimination (3" or more in diameter), problem tree removal (3" or more in diameter), mowing, etc.

Applications may be submitted by Area if appropriate (i.e., High Peaks Wilderness Area, St. Regis Canoe Area, Saranac Lake Wild Forest, Whiteface Mountain Intensive Use Area, etc.). Trails should be listed separately with the total length of the trail covered by a single Application, if appropriate, and in priority order of needed maintenance.

Live-standing trees may be cut or used for the construction of bridges, dry tread, waterbars or other minor trail structures only after considering the following alternatives and in accordance with the following conditions:

A. Alternatives to any type of trail hardening or structural development must be considered, especially in wilderness areas where such structures diminish the character of the area. Such alternatives include the closing or limitation of use of a trail where the impact of such use is leading to degradation of the other resources and the character of the Forest Preserve. A second alternative is to relocate the trail in such a way that trail hardening would not be necessary.

B. If, after considering the above alternatives, it is determined that structures are needed to protect the surface of the trail or the safety of the public, the following materials should be considered in order of priority:

   1. Native rock or stone from near the site.

   2. Native rock or stone from another location brought to the site.

   3. Peeled, but untreated timber or logs from another location brought to the site.

4. On-site trees in accordance with the conditions under C. following.

C. If on-site trees are to be used, such use must be in accordance with the following conditions:

1. The Regional Forester or his designated representative must approve all trees to be cut, after considering any other previous cutting that has been done in the area.

2. Cutting must be discreet with tops fully lopped and dispersed out of sight of the trails, and with stumps cut flush to the ground.

3. Live trees must be between three to twelve inches in diameter (DBH), and must be at least 100 feet apart.

4. Structures requiring the use of live on-site trees are not to be replaced more frequently than 7-10 years, which is the range of normal life expectancy.

Dead and downed material may be used for such purposes although consideration must be given to human safety and the longevity or life of such structures when such material is used.

Director of Lands and Forests

Attachments

cc: D. Grant
H. Doig
J. Corr
G. Colvin
G. Sovas
K. Wich
R. Bernhard
Regional Directors
Bureaus of Fish and Wildlife
Bureaus of Lands and Forests
Bureaus of Marine Resources
Bureaus of Mineral Resources

MEMORANDUM

May 31, 1984

TO: Chief, Bureau of Preserve Protection and Management
Regional Supervisors for Natural Resources

FROM: Norman J. VanValkenburgh

SUBJECT: DIVISION DIRECTION — LP-84-2
TOPIC: Cutting, Removal or Destruction of Trees and Other Vegetation on Forest Preserve Lands

PURPOSE: The purpose of this memorandum is to establish administrative procedures for the implementation of Commissioner Williams' Organization and Delegation Memorandum #84-06 relating to the construction of new facilities, the expansion or modification of existing facilities and routine maintenance projects on lands of the Forest Preserve.

BACKGROUND: Such Organization and Delegation Memorandum states, in part: "Section 9-0105 of the Environmental Conservation Law provices that the Division of Lands and Forests has responsibility for the 'care, custody and control' of the Adirondack and the Catskill Forest Preserve. In accordance with this responsibility, all construction of new facilities, expansion or modification of existing facilities and maintenance of facilities, that will result in the cutting, removal or destruction of vegetation on any of the lands constituting the Forest Preserve shall require approval of the Director of the Division of Lands and Forests...." In order to carry out this direction and policy, the succeeding procedures will be followed by regional and non-regionalized personnel in requesting approval for such projects on lands of the Forest Preserve that involve the cutting, removal and/or destruction of vegetation. In all cases, the provisions and constraints of the Organization and Delegation Memorandum will be recognized and complied with.

PART I - Construction of New Facilities and the Expansion or Modification of Existing Facilities

PROCESS AND CALENDAR

October-November

Regional Operations Supervisor or Manager of Non-Regionalized Facility	1. Following conceptual approval of the project by the Regional and/or appropriate Central Divisional Offices, prepares a

October-November (Cont'd)	Forest Preserve Project Work Plan in the form attached hereto as Appendix A for each proposed project. Each such Plan shall include: (1) A description of the project and its purpose, (2) A sketch map delineating the project and showing its location, (3) A count by species and size class, of all trees to be cut, removed or destroyed, (4) Identification of any protected species of vegetation within 300' of the area to be disturbed, (5) A description of measures to be taken to mitigate the impact on vegetative cover, and (6) Proposed use of motorized equipment or motor vehicles, if any.
	2. Submits completed Work Plan to the Regional Supervisor for Natural Resources.
Regional Supervisor for Natural Resources	3. Reviews Work Plan for completeness and conformance to Delegation Memorandum #84-06 and forwards to the Regional Forester.
December	
Regional Forester	4. Enters receipt of Work Plan in Regional Log of Forest Preserve Projects (See Appendix B attached).
	5. Reviews Forest Preserve Project Work Plan to determine if project is appropriate taking into consideration Forest Preserve land classification, Unit Management Plan goals and management objectives for the land area involved.
	6. Makes on-site field inspections as necessary and appropriate.
	7. Insures that SEQR requirements for each project have been addressed.
	8. Consults with Operations Supervisor or Facility Manager to effect any changes or modification to Work Plan.
	9. Signs Work Plan signifying approval or indicates disapproval by stating reasons in Comments Section. If approved, forwards Work Plan through Regional Supervisor for Natural Resources to Regional Director or appropriate Division Director, in the case of non-regionalized facil-

December (cont'd)

ities. If disapproved, returns Work Plan to originator.

10. Completes Regional Log.

January

Regional Director or Director of Division responsible for Facility

11. Reviews Forest Preserve Project Work Plan.

12. Signs Work Plan signifying approval or indicates disapproval by stating reasons in Comments section.

13. If approved, forwards Work Plan to Director of Lands and Forests. If disapproved, returns Work Plan through Regional Supervisor for Natural Resources and Regional Forester to originator.

February

Director of Lands and Forests

14. Effects review of Work Plan by appropriate Central Office staff to determine that Plan conforms to Division goals and is in keeping with responsibility for care, custody and control of lands of the Forest Preserve.

15. Signs Work Plan signifying approval or indicates disapproval by stating reasons in Comments section.

16. Returns Work Plan to Regional Director or appropriate Division Director.

March

Regional Director or Director of Division responsible for Facility

17. Distributes Work Plan through Regional Supervisor for Natural Resources and Regional Forester to originator.

Current Fiscal Year

Regional Operations Supervisor or Manager or Non-Regionalized Facility

18. Implements project in accordance with Work Plan approvals and conditions.

Regional Forester

19. Monitors implementation of Work Plan to insure conformance to approvals and conditions.

Current Fiscal Year (cont'd) 20. On completion of project, completes Inspection Report (See Appendix C attached) and retains in Project file.

PART II - Routine Maintenance Projects

PROCESS

Application for routine maintenance projects on lands of the Forest Preserve shall be submitted on the form attached hereto as Appendix D as soon as possible in advance of the starting date of the project. The Application should be directed to the Regional Supervisor for Natural Resources who will forward it to the Regional Forester. The Application will be reviewed as rapidly as possible by the Regional Forester and a determination made as to approval or disapproval.

When approvals have been granted, a copy of the Application will be forwarded to appropriate Regional Lands and Forests personnel to assure proper notification and provide for monitoring of the project.

Applicants should consider the following guidelines when submitting project requests:

1. Maintenance of foot trails, snowmobile trails, cross-country ski trails, horse trails, etc.

This includes projects that involve blowdown removal, hazard tree elimination (3" or more in diameter), problem tree removal (3" or more in diameter), mowing, etc.

Applications may be submitted by Area if appropriate (i.e., High Peaks Wilderness Area, St. Regis Canoe Area, Saranac Lake Wild Forest, Whiteface Mountain Intensive Use Area, etc.). Trails should be listed separately with the total length of the trail covered by a single Application, if appropriate and in priority order of needed maintenance. It is clearly understood that live standing trees are not to be cut or used for construction of bridges, dry tread, water bars or other structures. Dead and downed material may be used for such purposes although consideration must be given to human safety and the longevity or life of such structures when such material is used.

2. Maintenance of roads, 'phone lines, power lines, ski lifts, downhill ski trails, canoe carrys, parking areas, openings around buildings, scenic vistas, etc.

This includes projects that involve the removal of hazardous, problem or cove trees 3" or more in diameter.

Projects should be listed individually but, several may be submitted on a single Application if they are similar in nature (i.e., 'phone lines A, B, & C). Tree counts are advisable where more than an occasional live tree

must be cut to avoid potential damage to the facility in question. Felled trees may not be utilized for any purpose and should be scattered near the site so as not to interfere with the facility and to be unobtrusive.

3. Removal of dead and hazardous trees in developed areas such as campgrounds and ski centers that potentially endanger people.

This includes projects involving removal of dead and/or hazardous trees in developed or intensive use areas.

Applications should be submitted separately for each facility. However, all projects for a specific facility can be included on a single Application. Tree counts should be included with the Application. Trees that are proposed to be removed should be flagged. Trees that are felled may be cut up and used for fuel at the facility, but for no other purposes.

4. Boundary line surveys and maintenance.

This includes all projects on lands of the Forest Preserve whether done by Department employees or by others under contract to the Department.

More than one survey project may be included on a single Application but, separate applications should be submitted for survey projects geographically distant from each other.

5. Salvage of windfall timber when such blowdown timber constitutes a fire hazard.

This includes projects of fire hazard circumstances and should be submitted on Applications for each Area involved.

In any of the above situations, projects will be checked and monitored by the Regional Forester.

Director for Lands and Forests

Attachments

cc: D. Grant
H. Loiy
G. Colvin
G. Govas
K. Wich
R. Bernhard
Regional Directors
Bureaus of Fish and Wildlife
Bureaus of Lands and Forests
Bureaus of Marine Resources
Bureaus of Mineral Resources

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF LANDS AND FORESTS

Forest Preserve Project Work Plan
for
Construction of New Facilities and the Expansion or Modification of Existing Facilities

FY 19__ - ____

Region/Facility	Project Title & Location	Land Classification	Project No.

Description & Justification (Attach Sketch Map Showing Location and other Required Supporting Documents):

Description of Use of Motorized Equipment or Motor Vehicles, if any:

Prepared By: Date:

APPROVALS OR DISAPPROVALS

Comments:

Date:

Regional Forester

Date:

Regional Supervisor for Natural Resources

Date:

Regional Director or Division Director

Date:

Director of Lands and Forests

APPENDIX A

REGIONAL LOG
FOREST PRESERVE PROJECTS

REGION ____ F.Y. ____

Plan ived	Originator	Project Description	Project: Maintenance	Project: Facility	Dates of Inspection	Date of Approval or Disapproval	Comments, including Approval or Disapproval Action

INSPECTION REPORT

FOREST PRESERVE PROJECT

REGION: ____ INSPECTED BY: _____ DATE: _____

PROJECT NO.: _____

PROJECT LOCATION:

_____

_____

_____

PROJECT DESCRIPTION:

_____

_____

_____

TREES CUT (NO. & SPECIES):

_____

_____

_____

VEGETATION DISTURBED AND MITIGATING ACTIONS TAKEN:

_____

_____

_____

COMMENTS:

_____

_____

_____

ADDENDIX C

APPLICATION FOR ROUTINE MAINTENANCE PROJECT

REGION: _____ PROJECT: #_____

APPLICANT NAME: _____ DATE OF APPLICATION: _____

ADDRESS: _____ OTHER CONTACT PERSON:

_____ _____

_____

LOCATION OF PROJECT/S: _____

_____

_____

_____

DESCRIPTION OF PROJECT/S: (Attached additional sheets if necessary)

_____

_____

_____

_____

WHO IS TO DO WORK: _____

ESTIMATED STARTING DATE: _____ ESTIMATED COMPLETION DATE: _____

APPLICANT SIGNATURE:

_____

_____

PROJECT ACTION:

APPROVED _____ DISAPPROVED _____ _____

REGIONAL FORESTER

REMARKS: _____ DATE: _____

_____

_____

APPENDIX 2

SEQRA FULL ENVIRONMENTAL ASSESSMENT FORM

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the project sponsor to verify that the information contained in Part 1is accurate and complete.

A. Project and Sponsor Information.

Name of Action or Project: Olympic Sports Complex at Mount Van Hoevenberg 2018 Unit Management Plan (UMP) Amendment		
Project Location (describe, and attach a general location map): The Olympic Sports Complex in the Mount Van Hoevenberg Intensive Use Area located off of NYS Route 73, Town of North Elba, Essex County.		
Brief Description of Proposed Action (include purpose or need): See the following page that lists the management actions proposed in the 2018 UMP Amendment.		
Name of Applicant/Sponsor: NYS Olympic Regional Development Authority	Telephone: (518) 302-5332 E-Mail: bhammond@orda.org	
Address: Olympic Center, 2634 Main Street		
City/PO: Lake Placid	State: NY	Zip Code: 12946
Project Contact (if not same as sponsor; give name and title/role): Robert Hammond, Director of Environmental, Planning and Construction	Telephone: (518) E-Mail:	
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor): Town of North Elba*	Telephone: (518) 523-9516 E-Mail: clerk@northelba.org	
Address: 2693 Main Street		
City/PO: Lake Placid	State: NY	Zip Code: 12946

Intensive Use Area also includes lands owned by the State of New York; Finance Office-Fixed Cost Unit, 110 State St., Albany NY 12236

1. Actions Proposed on Town Lands[1] (non-Forest Preserve lands)
   - Construct New Nordic Trails with Lighting and Snowmaking
   - Construct New Sliding Sports Start Facility
   - Construct New Welcome Center/Base Lodge and Awards Plaza
   - Develop Trailhead, Parking and Hiking Trail Connection for Cascade and Porter Mountains, Mount Marcy and Mt. Van Hoevenberg (part of this action to occur on State Land)
   - Construct New Snowmaking Reservoir
   - Expand Start 1 Building and Deck
   - Provide Structured Parking Adjacent to 1980 Start Building to Service Start 1 Building and Restructure Access Drive to Parking
   - Replace Start 4 Building
   - Expand Track Timing Building
   - Expand USA Team Garage Building
   - Construct New Snow Storage Structure Building
   - Construct New Maintenance Building/Groomer Garage
   - Convert Existing Press Building into Medical Building
   - Construct New Road from Maintenance Area to Track Access Road, to Replace Existing Access Displaced by New Buildings
   - Upgrade and Improve Existing Track Access Road Lighting Add New Fixtures Along Track Access Road from Lamee Lodge to Start 1 Building. Add New Lighting on New Road Connection Near Maintenance
   - Construct New Alpine Coaster Including Lighting
   - Construct New Transport Coaster or Funicular

2. Actions Proposed on State Lands (Forest Preserve Lands)
   - Install Hiking Trail Connections
   - Construct New Biathlon Stadium Including Range, Bleachers and Timing/Competition Building
   - Construct New On-site Wastewater Disposal System for Welcome Lodge
   - Renovate Boxing Building at Existing Biathlon Stadium
   - Redevelop Former Access Road Corridor from Bobsled Lane to Cross-country Parking Lot to Replace Current Access to Cross-country Parking and Lodge
   - Construct Two Nordic Trail Bridges Over New Gravel Road to Cross-country Lot
   - Install Lighting for Parking Lots 2, 3, and 4
   - Develop Maintenance/Dredging Plan at North Meadow Brook Intake

[1] The Town of North Elba sold a permanent easement to the State on NY in November 1965 for the purpose of developing, operating and maintaining a recreational area and facilities thereon.

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, or Village Board of Trustees ☐Yes ☑No		
b. City, Town or Village Planning Board or Commission ☐Yes ☑No		
c. City Council, Town or Village Zoning Board of Appeals ☐Yes ☑No		
d. Other local agencies ☐Yes ☑No		
e. County agencies ☐Yes ☑No		
f. Regional agencies ☑Yes ☐No	NYS Adirondack Park Agency, SLMP Consistency	March 2018
g. State agencies ☑Yes ☐No	NYSDEC, UMP Approval	March 2018
h. Federal agencies ☐Yes ☑No		

i. Coastal Resources.

i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes ☑No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes ☑No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☑No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes ☑No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑Yes ☐No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☑Yes ☐No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☑Yes ☐No

If Yes, identify the plan(s):

NYS-controlled lands subject to the Adirondack Park State Land Master Plan

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes ☑No

If Yes, identify the plan(s):

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
Rural Countryside District

b. Is the use permitted or allowed by a special or conditional use permit? ☑ Yes ☐ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☑ No
If Yes,
i. What is the proposed new zoning for the site?

C.4. Existing community services.

a. In what school district is the project site located? Lake Placid

b. What police or other public protection forces serve the project site?
NY StatePolice

c. Which fire protection and emergency medical services serve the project site?
Lake Placid

d. What parks serve the project site?
Adirondack Park

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? recreational

b. a. Total acreage of the site of the proposed action? 1593.8 acres
b. Total acreage to be physically disturbed? +/- 10 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 1593.8 (IUA) acres

c. Is the proposed action an expansion of an existing project or use? ☑ Yes ☐ No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % +/-5 Units: n/a

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☑ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
ii. Is a cluster/conservation layout proposed? ☐ Yes ☐ No
iii. Number of lots proposed?
iv. Minimum and maximum proposed lot sizes? Minimum Maximum

e. Will proposed action be constructed in multiple phases? ☑ Yes ☐ No
i. If No, anticipated period of construction: 60 months
ii. If Yes:
- Total number of phases anticipated 5
- Anticipated commencement date of phase 1 (including demolition) 6 month 2018 year
- Anticipated completion date of final phase 12 month 2023 year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases:

Implementation of the new management actions will depend on budget and ORDA's priorities.

f. Does the project include new residential uses? ☐ Yes ☑ No

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase				
At completion of all phases				

g. Does the proposed action include new non-residential construction (including expansions)? ☑ Yes ☐ No

If Yes,

i. Total number of structures 2 new, also multiple expansions

ii. Dimensions (in feet) of largest proposed structure: 25 height; 43 width; and 502 length

iii. Approximate extent of building space to be heated or cooled: 42,000 square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☑ Yes ☐ No

If Yes,

i. Purpose of the impoundment: snowmaking reservoir

ii. If a water impoundment, the principal source of the water: ☐ Ground water ☑ Surface water streams ☐ Other specify: North Meadow Brook

iii. If other than water, identify the type of impounded/contained liquids and their source.

iv. Approximate size of the proposed impoundment. Volume: 7.5 million gallons; surface area: 1.5 acres

v. Dimensions of the proposed dam or impounding structure: 25' height; 350' length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete): earth

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? ☑ Yes ☐ No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

i .What is the purpose of the excavation or dredging? (1) create snowmaking reservoir (2) sediment removal N. Meadow Brook water intake

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): (1) 37,000 (2) variable
- Over what duration of time?

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

(1) topsoil, subsoil and bedrock; used on-site as general fill material (2) silt and sand; used on-site as general fill material

iv. Will there be onsite dewatering or processing of excavated materials? ☐ Yes ☑ No
If yes, describe.

v. What is the total area to be dredged or excavated? (1) 1.5, (2) <0.1 acres

vi. What is the maximum area to be worked at any one time? 1.5 acres

vii. What would be the maximum depth of excavation or dredging? (1) 25 feet

viii. Will the excavation require blasting? ☑ Yes ☐ No

ix. Summarize site reclamation goals and plan:

(1) snowmaking reservoir, (2) N/A

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☐ Yes ☑ No

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description):

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

_____

_____

_____

_____

iii. Will proposed action cause or result in disturbance to bottom sediments? ☐ Yes ☐ No

If Yes, describe: _____

iv. Will proposed action cause or result in the destruction or removal of aquatic vegetation? ☐ Yes ☐ No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____

_____

- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

_____

c. Will the proposed action use, or create a new demand for water? ☑ Yes ☐ No

If Yes:

i. Total anticipated water usage/demand per day: maximum daily 8,200 potable gallons/day includes existing and new facilities

ii. Will the proposed action obtain water from an existing public water supply? ☐ Yes ☑ No

If Yes:

- Name of district or service area: _____
- Does the existing public water supply have capacity to serve the proposal? ☐ Yes ☐ No
- Is the project site in the existing district? ☐ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☐ No
- Do existing lines serve the project site? ☐ Yes ☐ No

iii. Will line extension within an existing district be necessary to supply the project? ☐ Yes ☑ No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

_____

- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☑ No

If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

Snowmaking water will be taken from North Meadow Brook as approved in the 1999 UMP (maximum withdrawal rate of 500 gpm), potable from ex. wells

vi. If water supply will be from wells (public or private), maximum pumping capacity: 86 gallons/minute.

d. Will the proposed action generate liquid wastes? ☑ Yes ☐ No

If Yes:

i. Total anticipated liquid waste generation per day: 5,975 gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

sanitary wastewater

_____

iii. Will the proposed action use any existing public wastewater treatment facilities? ☐ Yes ☑ No

If Yes:

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? ☐ Yes ☐ No
- Is the project site in the existing district? ☐ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☐ No

- Do existing sewer lines serve the project site? ☐Yes ☐No
- Will line extension within an existing district be necessary to serve the project? ☐Yes ☐No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐Yes ☑No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans):

multiple on-site conventional wastewater disposal systems

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

N/A

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☑Yes ☐No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel? overall net decrease in impervious

_____ Square feet or -2.1 acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources. _____

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

on-site stormwater management practices

- If to surface waters, identify receiving water bodies or wetlands: _____
- Will stormwater runoff flow to adjacent properties? ☐Yes ☑No

iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☑Yes ☐No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☑Yes ☐No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

construction equipment and vehicles, delivery vehicles, contractor vehicles

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

none anticipated

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

none anticipated

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐Yes ☑No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐Yes ☐No

ii. In addition to emissions as calculated in the application, the project will generate:

- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☑No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

_____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☑No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

_____

_____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐Yes ☑No

If Yes:

i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐Weekend ☐ Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of semi-trailer truck trips/day: _____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? ☐Yes ☐No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

_____

_____

_____

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐Yes ☐No

vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐Yes ☐No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☐No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? N/A, not commercial or industrial ☐Yes ☐No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

_____

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

_____

iii. Will the proposed action require a new, or an upgrade to, an existing substation? ☐Yes ☐No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: 7:00 AM - 7:00 PM
- Saturday: 7:00 AM - 7:00 PM
- Sunday: 7:00 AM - 7:00 PM
- Holidays: 7:00 AM - 7:00 PM

ii. During Operations:

- Monday - Friday: 6:00 AM - 10:00 PM
- Saturday: 6:00 AM - 10:00 PM
- Sunday: 6:00 AM - 10:00 PM
- Holidays: 6:00 AM - 10:00 PM

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☑ Yes ☐ No

If yes:

i. Provide details including sources, time of day and duration:

Construction equipment and vehicles during periods of active construction during the 5-year build out generally between 7:00 AM and 7:00 PM

ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☑ No

Describe: _____

n.. Will the proposed action have outdoor lighting? ☐ Yes ☐ No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

replacement of lights along combined track access road - 20-30' poles full cutoff LED, new lighting in parking lots 2, 3 and 4 - 20-30' poles w/ full cutoff fixtures, new lighting on new nordic ski trails 20-30' tree-mounted or poles with downcast fixtures with cutoffs, nearest occupied +/- 1,400' away

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☑ No

Describe: _____

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☑ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☑ No

If Yes:

i. Product(s) to be stored _____

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally describe proposed storage facilities: _____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☑ No

If Yes:

i. Describe proposed treatment(s):

_____

ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? N/A, not commercial or industrial ☐ Yes ☐ No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____
- Operation: _____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: _____
- Operation: _____

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☐ Industrial ☐ Commercial ☑ Residential (suburban) ☑ Rural (non-farm)
☑ Forest ☑ Agriculture ☐ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe:

Recreational use at the Olympic Sports Complex and forested lands with some hiking trails on adjacent lands.

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	33.93	31.8	-2.13
• Forested	1415	1405	-10
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)			
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)	5	5.75	+0.75
• Wetlands (freshwater or tidal)	20	20	0
• Non-vegetated (bare rock, earth or fill)	30	30	0
• Other Describe: Ski Trails	90.3	99.3	+9

c. Is the project site presently used by members of the community for public recreation? ☑ Yes ☐ No

i. If Yes: explain: cross country skiing, biking, etc.

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☐ Yes ☑ No

If Yes,

i. Identify Facilities:

e. Does the project site contain an existing dam? ☐ Yes ☑ No

If Yes:

i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection:

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Has the facility been formally closed? ☐ Yes ☐ No

- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:

iii. Describe any development constraints due to the prior solid waste activities: _____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☐ Yes ☑ No

If Yes:

i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐ Yes ☐ No

☐ Yes – Spills Incidents database Provide DEC ID number(s): _____

☐ Yes – Environmental Site Remediation database Provide DEC ID number(s): _____

☐ Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures:_____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☐ Yes ☑ No

If yes, provide DEC ID number(s): _____

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

v. Is the project site subject to an institutional control limiting property uses? ☐ Yes ☑ No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☐ No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? 0->6 feet

b. Are there bedrock outcroppings on the project site? ☑ Yes ☐ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? 10 %

c. Predominant soil type(s) present on project site:

Rawsonville-Hogback	60 %
Mundalite-Rawsonville	30 %
Others	10 %

d. What is the average depth to the water table on the project site? Average: >6 feet

e. Drainage status of project site soils:

☐ Well Drained:	20 % of site
☐ Moderately Well Drained:	70 % of site
☐ Poorly Drained	10 % of site

f. Approximate proportion of proposed action site with slopes:

☑ 0-10%:	5 % of site
☑ 10-15%:	5 % of site
☑ 15% or greater:	90 % of site

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☑ Yes ☐ No

ii. Do any wetlands or other waterbodies adjoin the project site? ☑ Yes ☐ No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☑ Yes ☐ No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name North Meadow Brook and unnamed tributaries Classification C(T)
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters, Federal Waters Approximate Size varies, total +/- 20 acres
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☑ No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? ☐ Yes ☑ No

j. Is the project site in the 100 year Floodplain? ☐ Yes ☑ No

k. Is the project site in the 500 year Floodplain? ☐ Yes ☑ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐ Yes ☑ No
If Yes:

i. Name of aquifer: _____

m. Identify the predominant wildlife species that occupy or use the project site:
large and small mammals
resident and migratory birds
reptiles and amphibians

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No
If Yes:
i. Describe the habitat/community (composition, function, and basis for designation): _____
ii. Source(s) of description or evaluation: _____
iii. Extent of community/habitat:
- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☐ Yes ☑ No

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☑ No

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☑ Yes ☐ No
If yes, give a brief description of how the proposed action may affect that use: _____
No affect.

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐ Yes ☑ No
If Yes, provide county plus district name/number: _____

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☑ No
i. If Yes: acreage(s) on project site? _____
ii. Source(s) of soil rating(s): _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No
If Yes:
i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature
ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☑ No
If Yes:
i. CEA name: _____
ii. Basis for designation: _____
iii. Designating agency and date: _____

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places? ☑ Yes ☐ No

If Yes:

i. Nature of historic/archaeological resource: ☐ Archaeological Site ☑ Historic Building or District

ii. Name: Mt. Van Hoevenberg Olympic Bobsled Run

iii. Brief description of attributes on which listing is based:

recreation/engineering 1930-1932; the lower portion of the 1932 track and excluding existing buildings

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☐ Yes ☑ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☑ No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☑ Yes ☐ No

If Yes:

i. Identify resource: (1) NYS Route 86 Olympic Scenic Byway (2) NYSAPA Scenic Vista NYS Route 73 near Adirondack Loj Road

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____

iii. Distance between project and resource: (1) 5, (2) 3 miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

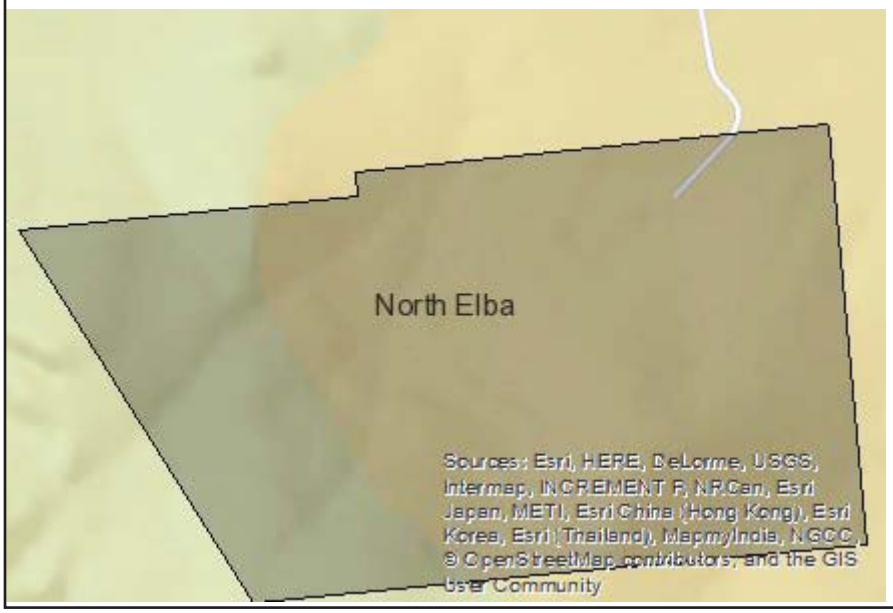
Applicant/Sponsor Name ROBERT W HAMMOND Date 4/4/18

Signature [signature] Title DIR. ENV, PLAN & CONST

PRINT FORM

EAF Mapper Summary Report

Monday, July 31, 2017 10:13 AM



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.

B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.j. [100 Year Floodplain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.k. [500 Year Floodplain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.l. [Aquifers]	No

E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	No
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National Register of Historic Places]	Yes - Digital mapping data for archaeological site boundaries are not available. Refer to EAF Workbook.
E.3.e.ii [National Register of Historic Places - Name]	Mt. Van Hoevenberg Olympic Bobsled Run
E.3.f. [Archeological Sites]	No
E.3.i. [Designated River Corridor]	No

Agency Use Only [If applicable]

Project : OSC@MVH 2017 UMP

Date :

Full Environmental Assessment Form
Part 2 - Identification of Potential Project Impacts

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer "**Yes"** to a numbered question, please complete all the questions that follow in that section.
- If you answer "**No"** to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box "Moderate to large impact may occur."
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the "whole action".
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land
Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1)
If "Yes", answer questions a - j. If "No", move on to Section 2.

☐ NO ☑ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	☑	☐
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	☐	☑
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	☐	☑
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	☑	☐
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	☐	☑
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	☐	☑
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	☑	☐
h. Other impacts: none identified		☑	☐

2. Impact on Geological Features

The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g) ☑ NO ☐ YES

If "Yes", answer questions a - c. If "No", move on to Section 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____ _____	E2g	□	□
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature: _____	E3c	□	□
c. Other impacts: _____ _____		□	□

3. Impacts on Surface Water

The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h) ☐ NO ☑ YES

If "Yes", answer questions a - l. If "No", move on to Section 4.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	☐	☑
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	☑	☐
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	☑	☐
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	☑	☐
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	☐	☑
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	☑	☐
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	☑	☐
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	☐	☑
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	☑	☐
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	☑	☐
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	☑	☐

l. Other impacts: none identified		☐	☐

4. Impact on groundwater

The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t) ☐ NO ☑ YES

If "Yes", answer questions a - h. If "No", move on to Section 5.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c	☑	☐
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source: _____	D2c	☑	☐
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	☑	☐
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	☑	☐
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h	☑	☐
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l	☑	☐
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c	☑	☐
h. Other impacts: none identified		☐	☐

5. Impact on Flooding

The proposed action may result in development on lands subject to flooding. (See Part 1. E.2) ☑ NO ☐ YES

If "Yes", answer questions a - g. If "No", move on to Section 6.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i	☐	☐
b. The proposed action may result in development within a 100 year floodplain.	E2j	☐	☐
c. The proposed action may result in development within a 500 year floodplain.	E2k	☐	☐
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	☐	☐
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	☐	☐
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	☐	☐

g. Other impacts: _____ _____		☐	☐

6. Impacts on Air

The proposed action may include a state regulated air emission source. ☑ NO ☐ YES
(See Part 1. D.2.f., D,2,h, D.2.g)
If "Yes", answer questions a - f. If "No", move on to Section 7.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels:			
i. More than 1000 tons/year of carbon dioxide (CO_2)	D2g	☐	☐
ii. More than 3.5 tons/year of nitrous oxide (N_2O)	D2g	☐	☐
iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)	D2g	☐	☐
iv. More than .045 tons/year of sulfur hexafluoride (SF_6)	D2g	☐	☐
v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions	D2g	☐	☐
vi. 43 tons/year or more of methane	D2h	☐	☐
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g	☐	☐
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g	☐	☐
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g	☐	☐
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s	☐	☐
f. Other impacts: _____ _____		☐	☐

7. Impact on Plants and Animals

The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) ☐ NO ☑ YES
If "Yes", answer questions a - j. If "No", move on to Section 8.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o	☑	☐
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o	☑	☐
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p	☑	☐
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p	☑	☐

e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	☑	☐
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source: _____	E2n	☑	☐
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m	☑	☐
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source: _____ _____	E1b	☑	☐
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	☑	☐
j. Other impacts: none identified _____ _____		☑	☐

8. Impact on Agricultural Resources

The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.) ☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", move on to Section 9.

	Relevant Part I Question(s)	**No, or small impact may occur**	**Moderate to large impact may occur**
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b	□	□
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, Elb	□	□
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b	□	□
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a	□	□
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	El a, E1b	□	□
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	□	□
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	□	□
h. Other impacts: _____		□	□

9. Impact on Aesthetic Resources

The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.) ☐ NO ☑ YES

If "Yes", answer questions a - g. If "No", go to Section 10.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	☑	☐
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	☑	☐
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E3h	 ☑ ☑	 ☐ ☐
d. The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c	 ☑ ☑	 ☐ ☐
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	☑	☐
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile ½ -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	☑	☐
g. Other impacts: none identified		☑	☐

10. Impact on Historic and Archeological Resources

The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.) ☐ NO ☑ YES

If "Yes", answer questions a - e. If "No", go to Section 11.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on or has been nominated by the NYS Board of Historic Preservation for inclusion on the State or National Register of Historic Places.	E3e	☐	☑
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	☑	☐
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	☑	☐

d. Other impacts: none identified		☑	☐
e. If any of the above (a-d) are answered "Moderate to large impact may occur", continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	☑	☐
ii. The proposed action may result in the alteration of the property's setting or integrity.	E3e, E3f, E3g, E1a, E1b	☑	☐
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	☐	☑

11. Impact on Open Space and Recreation

The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan.
(See Part 1. C.2.c, E.1.c., E.2.q.)
If "Yes", answer questions a - e. If "No", go to Section 12.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or "ecosystem services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	□	□
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	□	□
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	□	□
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	□	□
e. Other impacts: _____		□	□

12. Impact on Critical Environmental Areas

The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d)
If "Yes", answer questions a - c. If "No", go to Section 13.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d	□	□
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d	□	□
c. Other impacts: _____		□	□

13. Impact on Transportation

The proposed action may result in a change to existing transportation systems. ☑ NO ☐ YES
(See Part 1. D.2.j)
If "Yes", answer questions a - f. If "No", go to Section 14.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	☐	☐
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	☐	☐
c. The proposed action will degrade existing transit access.	D2j	☐	☐
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	☐	☐
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	☐	☐
f. Other impacts: _____ _____		☐	☐

14. Impact on Energy

The proposed action may cause an increase in the use of any form of energy. ☐ NO ☑ YES
(See Part 1. D.2.k)
If "Yes", answer questions a - e. If "No", go to Section 15.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	☑	☐
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k	☑	☐
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	☑	☐
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g	☑	☐
e. Other Impacts: none identified _____		☐	☐

15. Impact on Noise, Odor, and Light

The proposed action may result in an increase in noise, odors, or outdoor lighting. ☐ NO ☑ YES
(See Part 1. D.2.m., n., and o.)
If "Yes", answer questions a - f. If "No", go to Section 16.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	☑	☐
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	☑	☐
c. The proposed action may result in routine odors for more than one hour per day.	D2o	☑	☐

d. The proposed action may result in light shining onto adjoining properties.	D2n	☑	☐
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	☐	☑
f. Other impacts: none identified		☐	☐

16. Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.) ☑ NO ☐ YES

If "Yes", answer questions a - m. If "No", go to Section 17.

	Relevant Part I Question(s)	No,or small impact may cccur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	□	□
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	□	□
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h	□	□
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h	□	□
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h	□	□
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	□	□
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	□	□
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	□	□
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	□	□
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	□	□
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	□	□
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	□	□
m. Other impacts: _____			

17. Consistency with Community Plans

The proposed action is not consistent with adopted land use plans. ☑ NO ☐ YES
(See Part 1. C.1, C.2. and C.3.)
If "Yes", answer questions a - h. If "No", go to Section 18.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b	☐	☐
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2	☐	☐
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	☐	☐
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	☐	☐
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, Elb	☐	☐
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j	☐	☐
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a	☐	☐
h. Other: _____ _____		☐	☐

18. Consistency with Community Character

The proposed project is inconsistent with the existing community character. ☑ NO ☐ YES
(See Part 1. C.2, C.3, D.2, E.3)
If "Yes", answer questions a - g. If "No", proceed to Part 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	☐	☐
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	☐	☐
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	☐	☐
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	☐	☐
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	☐	☐
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	☐	☐
g. Other impacts: _____ _____		☐	☐

PRINT FULL FORM

Agency Use Only [IfApplicable]

Project : Olympic Sports Center @ MVH

Date :

Full Environmental Assessment Form
Part 3 - Evaluation of the Magnitude and Importance of Project Impacts
and
Determination of Significance

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

Reasons Supporting This Determination:

To complete this section:

- Identify the impact based on the Part 2 responses and describe its magnitude. Magnitude considers factors such as severity, size or extent of an impact.
- Assess the importance of the impact. Importance relates to the geographic scope, duration, probability of the impact occurring, number of people affected by the impact and any additional environmental consequences if the impact were to occur.
- The assessment should take into consideration any design element or project changes.
- Repeat this process for each Part 2 question where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.
- Provide the reason(s) why the impact may, or will not, result in a significant adverse environmental impact
- For Conditional Negative Declarations identify the specific condition(s) imposed that will modify the proposed action so that no significant adverse environmental impacts will result.
- Attach additional sheets, as needed.

(1) Construction on steep slopes for such things as trail construction and construction of the alpine coaster has the potential for significant impacts to land (erosional soil loss) and to water (sedimentation). The impact potential is exacerbated by the multi-year, multi-phase construction activities that would be proposed under the pending unit management plan amendment.

(2) Removing sediment from near the water intake on North Meadow Brook has the potential of producing moderate to large impacts to water quality in the immediate area of the dredging as well as downstream.

(3) Some proposed management actions may occur in areas of shallow depth to bedrock which cold require blasting.

(4) There is potential for moderate to large impacts to the historically significant 1932/1980 bobsled track as a result of some of the proposed actions.

Determination of Significance - Type 1 and Unlisted Actions

SEQR Status: ☑ Type 1 ☐ Unlisted

Identify portions of EAF completed for this Project: ☑ Part 1 ☑ Part 2 ☑ Part 3

Upon review of the information recorded on this EAF, as noted, plus this additional support information

and considering both the magnitude and importance of each identified potential impact, it is the conclusion of the NYS Olympic Regional Development Authority as lead agency that:

☐ A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. Accordingly, this negative declaration is issued.

☐ B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or substantially mitigated because of the following conditions which will be required by the lead agency:

There will, therefore, be no significant adverse impacts from the project as conditioned, and, therefore, this conditioned negative declaration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.d).

☑ C. This Project may result in one or more significant adverse impacts on the environment, and an environmental impact statement must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those impacts. Accordingly, this positive declaration is issued.

Name of Action: Olympic Sports Center at Mount Van Hoevenberg 2018 Unit Management Plan Amendment

Name of Lead Agency: NYS Olympic Regional Development Authority

Name of Responsible Officer in Lead Agency: Robert Hammond

Title of Responsible Officer: Director of Environmental, Planning and Construction

Signature of Responsible Officer in Lead Agency: Date: 4/4/18

Signature of Preparer (if different from Responsible Officer) Date:

For Further Information:

Contact Person: Robert Hammond, ORDA Director of Environmental, Planning and Construction

Address: Olympic Center, 2634 Main Street, Lake Placid, NY, 12946

Telephone Number: (518) 302-5332

E-mail: bhammong@orda.org

For Type 1 Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:

Chief Executive Officer of the political subdivision in which the action will be principally located (e.g., Town / City / Village of)
Other involved agencies (if any)
Applicant (if any)
Environmental Notice Bulletin: http://www.dec.ny.gov/enb/enb.html

PRINT FULL FORM

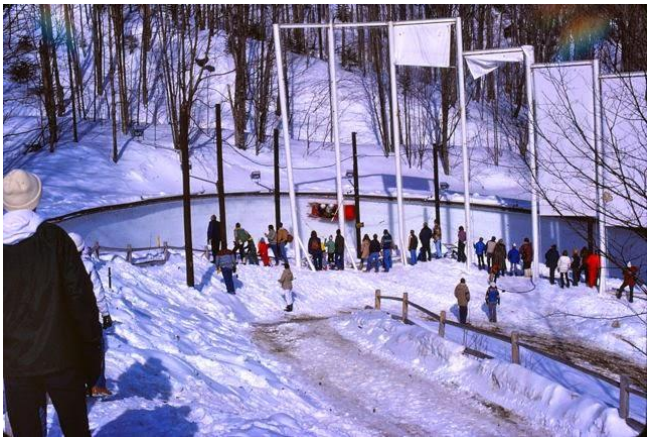
APPENDIX 2A

OLYMPIC SPORTS COMPLEX EFFORTS TO MITIGATE LIGHT POLLUTION

Mt Van Hoevenberg Olympic Sports Complex: Efforts to Mitigate Light Pollution

1980 Bobsled Track

Approximately one-hundred 400 Watt High Pressure Sodium lights have been decommissioned on the 1980 track. These flood lights were designed with long forward throw and no cutoff. They produced a substantial amount of light spill. All of these lights and mounting poles are actively being removed.



1980 Bobsled Track with Forward Throw Floods

Luge Track

Pole mounted flood style lighting was also removed from the 1980 Luge Track with construction of the new Combined Track. It was the same style of lighting employed on the 1980 Bobsled Track; forward throw without regard to spill.

1980 Luge Track with Forward Throw Floods

Combined Track

As originally built, the Combined Track was without covering. Construction lights and groups of remote pole mounted floods were used to light the track.

Temporary Lighting on the Newly Constructed Combined Track

As the track was covered, permanent lighting was installed under the tarps and shades which helped to control spill. This was a break in the typical design of other bobsled track installations at the time, where the track was uncovered and floodlighting was mounted remotely in large clusters. Although improved, the new lighting was mostly forward throw and "semi-cutoff. The tarps allowed for light transmission.

Forward Throw Metal Halide Under Tarp Roof System, No Sidewalls

Typical Lighting Installation at Other Sliding Tracks

Typical Lighting Installation at Other Sliding Tracks

Progressively the track is being covered by opaque tin on the roof and, where possible, sides. Efficient LED replacement lighting is selected which targets the light downward on to the track surface; not forward. This change has greatly improved spill and lessened “sky glow” from the facility, as seen remotely.

Tin Covered Track with Upgraded, Downward Focused Lighting

Nighttime maintenance of the track is necessary as morning through evening is normally a packed schedule of training, competitive and recreational sliding sessions. Night operations do not allow for lighting only a particular section of track, while leaving the rest off. Several crews will work to constantly groom the track from top to bottom; in its entirety.

Thought has been put into devising some greater method of control of the track lighting such as installing motion sensors to activate lighting in a down track flow. Complexity of design and potential safety hazards has outweighed the benefits.

Site and Control

With dark sky compliance in mind, recent exterior building lighting upgrades include exchanging standard (non-cutoff) HID wall packs to LED fixed cut-off with built in glare shields. Continued use of this style of lighting is planned.

Nearly all of the cobra head style street lights along the road up the mountain have been converted so that they are able to be switched off in the summer. Further upgrades to street lighting will employ a similar model of dark sky compliance and switching capability.

Design specifications of recently installed cutoff wall pack lighting can be found here: http://www.e-conolight.com/pdf/SpecSheets/eco_spc_wp6_series.pdf

A method of switching area and building entrance lighting has been implemented which applies photocells paired with timers; photocell activated lighting in a work/program/public area turns on as natural lighting decreases, the lights turn off at a pre-set time when activity in the area typically ends for the evening.

Site lighting is turned off completely as night time operations cease during non-production months.

Future

As the Olympic Sports Complex grows and thrives and the Combined Track continues its success as the most utilized sliding track in the World, it will rely on safe nighttime operations.

With future venue improvements and installations:

- fixtures will be chosen with the proper distribution pattern and beam angle for the application
- switches will be used and timers installed where practical for the operation
- consideration will be given to energy efficiency and the problems of spill, glare and over-illumination
- operating practices will be used to control lighting, such as turning it off when it is not needed for the task or program

Combined Track Lighting, Curve Shades Open

Combined Track Lighting, Curve 4 Open

Combined Track Lighting, Curve 10 Shades Open

APPENDIX 3

ENGINEERING REPORT – WATER SUPPLY AND SANITARY SEWER

The LA GROUP
Landscape Architecture & Engineering P.C.
People. Purpose. Place.

40 Long Alley
Saratoga Springs
NY 12866

p: 518-587-8100
f: 518-587-0180
www.thelagroup.com

Engineering Report
Water and Sanitary Sewer

For

MT. VAN HOEVENBERG UMP

OLYMPIC SPORTS COMPLEX
LAKE PLACID, NEW YORK

Prepared For:

Olympic Regional Development Authority
2634 Main Street
Lake Placid, NY 12946
Robert Hammond, Director Environmental Planning | Construction

Prepared By:

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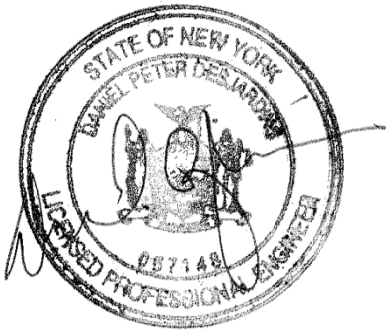

March 14, 2018

I. Introduction

The Olympic Sports Complex at Mt. Van Hoevenberg is located in the Adirondack Park approximately seven miles southeast of the Village of Lake Placid off NY Route 73 in the Town of North Elba, Essex County.

During winter months, the Olympic Sports Complex offers the combined bobsled/skeleton/luge track, 50-kilometers of cross country skiing, and a biathlon center. This is a year-round training facility for U.S. and international athletes. The public can take tours of the complex, experience a bobsled or skeleton ride, or ski the extensive cross country network of groomed and set track trails that were used during the 1980 Olympic Winter Games. During the summer, wheeled bobsled rides are available to the public on the 1932 & 1980 Olympic bobsled track. Visitors can also enjoy mountain biking from the cross country center's biking center and summer biathlon is also available.

II. Existing Conditions

Water Supply

There are four separate public water systems at the Olympic Sports Complex regulated by the New York State Department of Health listed as follows:

LAMY LODGE	NY 1511037	NC-Non-community transient water system
MAINT. GARAGE	NY 1530053	NTNC-Non-community non-transient water system
X-COUNTRY	NY 1530005	NC-Non-community transient water system
BIATHLON LODGE	NY 1530052	NC-Non-community transient water system

Potable water for the main lodge (Lamy Lodge) is obtained from a 273 foot deep drilled well located near the lodge. This well serves the Lamy Lodge, Sled Shed and the Log Office. The yield of this well is 25 gallons per minute (gpm). Peak consumption is 10,000 gallons/day or 28% of potential yield.

There is also a drilled well which yields 6 gpm at the maintenance shop. This well serves the Bobrun Garage and the Maintenance Shops. Peak consumption of this water supply is 250 gallons/day (3% of potential yield).

Potable water for the cross-country skiing building is obtained from a 470 foot deep well located behind the lodge. This well serves the Cross-country Lodge and the Snow Factory. The well has

a yield of 25 gpm and domestic consumption is approximately 2,000 gallons/day or 1.4 gallons per minute (5.6% of capacity).

Potable water for the biathlon area is obtained from a drilled well yielding 30 gpm. This well serves the Biathlon Lodge/Boxing Building, Cross-country Maintenance Garage and Josie's Cabin. Peak consumption is 2,000 gallons/day or 5% of capacity.

There is a 125 foot deep well at the Van Hoevenberg House. This well serves only the house.

Sanitary Sewer

The wastewater disposal systems according to ORDA staff and the 1999 UMP are as follows:

A. The 1980 Start House contains a men's restroom with 1 toilet, 1 urinal and 1 sink and a women's restroom with 2 toilets and 1 sink. An on-site septic system of unknown capacity serves these bathrooms.

B. The Start 1 Building restrooms are served by a 2,000 gallon holding tank that is pumped out on a regular schedule.

C. The Start 3 Building restrooms are served by a 1,000 gallon holding tank that is pumped out on a regular schedule.

D. The Race Office & Timing Building restrooms are served by a 1,000 gallon holding tank that is pumped out on a regular schedule.

E. The Sled Shed upper level has 1 toilet and 1 sink; the lower level (First Aid) has 2 toilets and 1 sink. These bathrooms are served by an on-site septic system consisting of a 1,000 gallon septic tank and leach field.

F. The administrative office in Log Office Building has 1 toilet and 1 sink and is served by a separate septic tank and leach field.

G. The Lamy Lodge contains a men's restroom with 3 toilets, 4 urinals, 2 sinks and 1 handicap toilet; a women's rest room with 3 toilets, 2 sinks and 1 handicap toilet. A 5,000 gallon septic tank with 6,400 sq. ft. of tile field serves this facility. The system was constructed in 1977. The current administration office (previously first aid) has 1 toilet and 1 sink. This bathroom is tied into the Lamy Lodge septic system. The 1999 UMP lists a 32,000 gallon holding tank at this location but it's existence is not confirmed.

H. The Bobrun Garage has 1 toilet and 1 sink. This bathroom is served by an on-site septic system consisting of a septic tank estimated to be 500 gallons with a dry well or leaching pit.

I. The Bobrun Maintenance Shop has 1 toilet and 1 sink. This bathroom is served by an on-site septic system consisting of a septic tank estimated to be 500 gallons and leach field.

J. The Cross-country Ski Lodge building contains 2 lavatories, 3 toilets and 4 urinals for men and 2 lavatories and 5 toilets for women plus kitchen sink and sink and small bar dishwasher in the lodge. Treatment is by a 2,000 gallon septic tank with 1,620 sq. ft. of disposal field constructed in 1982.

K. The Van Hoevenberg resident house has kitchen and 2 bathrooms with toilets, sinks, laundry and showers. This house is served by an on-site septic system consisting of a 1,000 gallon septic tank and leach field.

L. The Cross-country Maintenance Garage has 1 toilet and 1 sink. This bathroom is served by an on-site septic system consisting of a 500 gallon septic tank and 750 sq. ft. of leach field constructed in 1978. The septic tank was replaced in 2013.

M. Josie's Cabin has1 sink, 1 toilet and a 3 bay sink in a small kitchen area. The septic system consists of a 1,000 gallon septic tank and leach field. The system was installed by NYSDEC in 1978 for a campground that was never opened. The septic tank and system was inspected in 2015 and found to be in good condition.

N. The Biathlon Lodge / Boxing Building contains 2 lavatories, 3 toilets and 2 urinals for men and 2 lavatories and 4 toilets for women. There is a bathroom in the back with 1 toilet, 1 sink, and 1 shower. Disposal is by a 1,000 gallon septic tank with 850 sq. ft. of disposal field constructed in 1970.

III. Projected Water and Wastewater Flows

The proposed Welcome Lodge will be the primary public facility at the complex. The public restrooms will be used by an estimated 80% of the visitors on a peak day. The dining room will seat 150 people and will be open for 14 hours. Staff use will be divided equally between the two the facilities.

The existing Lamy Lodge will be converted into a museum and staff space. The remaining 20% of visitors will use the Lamy Lodge restroom facility.

The existing Press Center building will be converted into a medical facility. The new medical facility will be staffed by one doctor.

There will be a groomer garage addition to the maintenance facility with a new bathroom containing one toilet and one sink added. This new bathroom can be tied into the existing septic system, since capacity will be freed up after construction of the new Welcome Lodge system.

A bathroom will be added in the Bodyn Building. This new bathroom can be tied into the existing Sled Shed septic system or into the new Lodge system.

Table 1 below provides information on the anticipated wastewater flow rates for the Lamy Lodge and New Lodge facilities:

Table 1

Description	Use Rate	Total Use	
		Lamy Lodge	New Lodge
1,000 Visitors	5 gpd/each[1]	1,000 gpd	4,000 gpd
150 Seats (Fast Food)	8.33 gpd/each[1]	0 gpd	1,250 gpd
30 Staff Employees	15 gpd/each[1]	225 gpd	225 gpd
1 Doctor in Medical	250 gpd/each[1]	0 gpd	250 gpd
50 Users Bodyn Bldg.	5 gpd/each[1]	0 gpd	250 gpd
50 Users Groomer Garage	5 gpd/each[1]	250 gpd	0 gpd
Total		**1,475 gpd**	**5,975 gpd**

For the new Welcome Lodge, average daily flow for wastewater is estimated to be 7 gallons per minute (gpm) based on a 14 hour day. Estimated peak hourly flow is 30 gpm (4.2 x average).[2]

Average daily demand for water is estimated to be approximately equal to the wastewater flow plus the use at the Start 1 and Start 4 buildings (750 gpd). This total is 8,200 gallons per day or 9 gpm. Peak hourly demand is estimated at 85 gpm.[3]

Notes

1. *From Table B-3, NYSDEC 2014 Design Standards for Wastewater Treatment Works.*
2. *From Figure 1, GLUMRB Recommended Standards for Wastewater Facilities*
   Q = (18 + P ½) ÷ (4 + P ½) where P = population in thousands
3. *From NYS Plumbing Code tables based on 300 Water Supply Fixture Units.*

IV. Proposed Water and Wastewater Utilities

Proposed Water Supply

To service the new lodge and other buildings, the existing water distribution system will need to be improved. The source of the water is from on-site groundwater wells.

Modification to the existing water supply system will require the owner to meet the minimum requirements for a transient non-community (TNC) water system as defined in 10 NYCRR Subpart 5-1. A non-community water system (NCWS) means a public water system that is not a community water system. A community water system is a public water system which serves at least five service connections used by year-round residents or regularly serves at least 25 year-round residents. A transient non-community system (TNC) means a non-community system that does not regularly serve at least 25 of the same people over six months per year.
The minimum treatment for a ground water source is disinfection by chlorination or other disinfection methods acceptable to the health department. Minimum treatment for surface water sources or ground water sources directly influenced by surface water is filtration and disinfection techniques, approved by the health department.

The water system will need to provide both the domestic demand of 8,200 gallons per day (gpd) and the peak hourly demand of 85 gallons per minute (gpm). To meet the minimum criteria outlined in the Recommended Standards for Water Works (10-State Standards), the system must maintain a minimum pressure of 20 pounds per square inch (psi) at ground level at all points in the system under all conditions of flow. The normal working pressure in the distribution system must be at least 35 psi and should be between 60 to 80 psi.

The design well yield will be determined by neglecting the largest producing well. If the three wells in the main lodge area are considered, the yield will be 31 gpm. In order to provide peak demands of 85 gpm, a storage tank and booster pump system may be needed. The storage tank volume should provide a minimum of one day’s maximum use or 8,200 gallons.

From the centralized storage location, booster pumps can distribute potable water to the various buildings with plumbing facilities. Due to the considerable elevation difference between the base lodge and the Start 1 and Start 4 buildings, a separate system or pressure zone will need to be provided to serve the higher buildings. Alternatively, these buildings could be serviced by the non-potable track icing system which already exists. Safeguards would be put in place to prevent the consumption of this non-potable water at these specific locations.

Proposed Wastewater Disposal

Domestic wastewater from the new lodge building will be disposed of in a conventional absorption trench septic system. A preliminary deep-hole test pit and soil percolation test was conducted on October 25, 2017 in the area anticipated to be used for the septic system. The tests indicated there are usable soils available with a percolation rate of approximately 3 minutes per inch. Groundwater or seasonal high groundwater was not encountered down to a depth of 72 inches.

Once the wastewater is collected and transported to the treatment area, it will be processed through primary settling and treatment in a large septic tank. Following primary treatment, the effluent is then distributed into subsurface leaching trenches where it will undergo secondary treatment. The wastewater treatment and disposal system will need to be designed to handle the maximum daily design flow of 5,975 gallons per day. A 100% reserve area may need to be provided as a condition of the NYSDEC SPDES permit required for systems of this size.

It will be necessary to intercept any grease, oils and fat from the kitchen before they enter the disposal system. A 1,000 gallon grease interceptor is proposed to handle the kitchen waste. This tank could be located in a service area adjacent to the new lodge.

A new subsurface wastewater disposal system to handle the estimated daily flow will consist of a 12,000 gallon septic tank and approximately 3,600 feet of absorption trench. At 100 feet long and standard spacing of 6 feet on center, the field dimensions will be approximately 100 feet long and 212 feet wide.

The existing Lamy Lodge septic system will remain in service, but will see significantly less flow once the new facility is completed. Wastewater from the new bathrooms in the additional maintenance building and the Press Center building conversion to the Medical Center building can be directed to the existing system.

V. Conclusion and Recommendations

To supply the new development with potable water, it is recommended to use the existing groundwater wells as the source. Adequate water supply and pressures can be achieved by incorporating a storage tank and booster pumping station as part of the proposed development.

Potable water supply for the property will be regulated by the New York State Department of Health (NYSDOH).

Wastewater disposal can be handled on-site with a new on-site septic system consisting of a combination of gravity mains, primary treatment, effluent pump stations and a subsurface leaching field in addition to the existing septic system.

A New York State Department of Conservation SPDES permit is required for facilities discharging more than 1,000 gallons of wastewater per day. Since the new system is estimated at 5,975 gallons per day, a SPDES permit will be required.

Attachments

Attachment A	Water Use Calculations
Attachment B	Sewer Use Calculations

ATTACHMENT A

WATER USE CALCULATIONS

ESTIMATE MAXIMUM DAILY DEMAND:

START 1 BLDG:

NO. OF USERS		100	EA	
DESIGN FLOW		5	GPD/EA	(NYSDEC)
	Qa =	500	GPD	

START 4 BLDG:

NO. OF USERS		50	EA	
DESIGN FLOW		5	GPD/EA	(NYSDEC)
	Qb =	250	GPD	

EXISTING LAMY LODGE:

NO. OF VISITORS		200	EA	
DESIGN FLOW		5	GPD/EA	(NYSDEC)
	Qc =	1,000	GPD	

NEW LODGE:

NO. OF VISITORS		800	EA	
DESIGN FLOW		5	GPD/EA	(NYSDEC)
	Qd =	4,000	GPD	

CAFETERIA:

NO. OF SEATS		150	EA	
DESIGN FLOW =		8.33	GPD/EA	(1/3 OF FAST FOOD
	Qe =	1,250	GPD	RESTAURANT)

WORK STAFF:

NO. OF EMPLOYEES		30	EA	(INCLUDING MAINTENANCE)
DESIGN FLOW		15	GPD/EA	(NYSDEC)
	Qf =	450	GPD	

NEW MEDICAL BLDG:

NO. OF DOCTORS		1	EA	
DESIGN FLOW		250	GPD/EA	(NYSDEC)
	Qg =	250	GPD	

GROOMER GARAGE:

NO. OF USERS		50	EA	
DESIGN FLOW		5	GPD/EA	(NYSDEC)
	Qh =	250	GPD	

BODYN BUILDING:

NO. OF USERS		50	EA	
DESIGN FLOW		5	GPD/EA	(NYSDEC)
	Qi =	250	GPD	

MAX. DAILY DEMAND, Q = 8,200 GPD (Qa through Qi)

POPULATION SERVED =	109		(75 PER PERSON)
AVG. DAILY DEMAND =	9.8 GPM	(14	HOURS)
PEAK HOURLY DEMAND =	41.5 GPM	(AVG x	4.23)

ALTERNATIVE METHOD TO ESTIMATE PEAK DEMAND BY FIXTURE UNIT COUNT:

QTY	DESCRIPTION	WSFU* (EACH)	TOTAL WSFU
START 1:			
2	LAVATORY	2	4
3	WATER CLOSET	5	15
1	URINALS	5	5
		SUB-TOTAL	24
START 4:			
2	LAVATORY	2	4
3	WATER CLOSET	5	15
1	URINALS	5	5
		SUB-TOTAL	24
EXISTING LODGE:			
4	LAVATORY	2	8
8	WATER CLOSET	5	40
4	URINALS	5	20
		SUB-TOTAL	68
SLED SHED:			
2	LAVATORY	2	4
3	WATER CLOSET	5	15
		SUB-TOTAL	19
ADMIN/MAINTENANCE:			
3	LAVATORY	2	6
3	WATER CLOSET	5	15
		SUB-TOTAL	21

RESIDENT HOUSE:			
2	BATHROOM GROUPS	4	8
1	KITCHEN SINK	2	2
1	WASHER	2	2
		SUB-TOTAL	12
NEW LODGE RESTROOMS:			
8	LAVATORY	2	16
9	WATER CLOSET	5	45
3	URINALS	5	15
		SUB-TOTAL	76
UTILITY ROOMS:			
1	WASHER	4	4
2	MOP SINK	3	6
		SUB-TOTAL	10
KITCHEN:			
1	DISHWASHER	4	4
4	KITCHEN SINKS	2	8
		SUB-TOTAL	12
MEDICAL BUILDING:			
2	LAVATORY	2	4
2	SERVICE SINK	3	6
3	WATER CLOSET	5	15
1	URINALS	5	5
		SUB-TOTAL	30
		TOTAL	296

SAY 300 WSFU

PEAK HOURLY DEMAND = 41.5 GPM (4.23 x AVERAGE)
ALT. PEAK DEMAND** = 85 GPM (ESTIMATED FOR 300 WSFU)

USE FOR DESIGN 85 GPM

* WATER SUPPLY FIXTURE UNITS FROM NYS BLDG. CODE TABLE E103.2
** WATER SUPPLY DEMAND FROM NYS BLDG. CODE TABLE E103.3(3)

DETERMINE POTABLE WATER WELL SAFE YIELD REQUIREMENT:

MAXIMUM WATER USE = 8,200 GALLONS/DAY (GPD)

DIVIDE BY

TOTAL PUMP TIME 1440 MIN/DAY (24 HOURS)

5.7 GALLONS/MINUTE (GPM)

SET WELL PUMP TO DELIVER 6 GPM @ TANK HW ELEV.

DETERMINE POTABLE WATER STORAGE REQUIREMENT:

EQUAL TO OR GREATER THAN THE MAX DAILY USE:

USE A TANK WITH A STORAGE VOLUME OF 8,500 GALLONS

OPTION 1 - EQUAL TO 2 DAY'S USE MINUS 24 HOUR REPLENISHMENT VOLUME:
USE A TANK WITH A STORAGE VOLUME OF 16,400 GALLONS
-8,640 GAL (1,440) MINUTES

7,760 GALLONS

OPTION 2 - EQUAL TO MAX DAILY USE MINUS 12 HOUR REPLENISHMENT VOLUME:
USE A TANK WITH A STORAGE VOLUME OF 8,200 GALLONS
-4,320 GAL (720) MINUTES

3,880 GALLONS

ATTACHMENT B

SEWER USE CALCULATIONS

ESTIMATE MAXIMUM DAILY USAGE:

EXISTING LODGE:

NO. OF VISITORS		200	EA	
DESIGN FLOW		5	GPD/EA	(NYSDEC)
	Qa =	1,000	GPD	

CAFETERIA:

NO. OF SEATS		-	EA	
DESIGN FLOW =		8.33	GPD/EA	(1/3 OF FAST FOOD RESTAURANT)
	Qb =	-	GPD	

WORK STAFF:

NO. OF EMPLOYEES		15	EA	
DESIGN FLOW		15	GPD/EA	(NYSDEC)
	Qc =	225	GPD	

GROOMER GARAGE:

NO. OF USERS		50	EA	
DESIGN FLOW		5	GPD/EA	(NYSDEC)
	Qd =	250	GPD	

TOTAL 1,475 GPD (Qa thru Qd)

AVG. DAILY USE =		1.8	GPM	(14 HOUR DAY)
PEAK HOURLY FLOW,	Qp =	7.4	GPM	(4.2 x AVG)

NEW LODGE:

NO. OF VISITORS		800	EA	
DESIGN FLOW		5	GPD/EA	(NYSDEC)
	Qe =	4,000	GPD	

CAFETERIA:

NO. OF SEATS		150	EA	
DESIGN FLOW =		8.33	GPD/EA	(1/3 OF FAST FOOD RESTAURANT)
	Qf =	1,250	GPD	

WORK STAFF:

NO. OF EMPLOYEES		15	EA	
DESIGN FLOW		15	GPD/EA	(NYSDEC)
	Qg =	225	GPD	

NEW MEDICAL BLDG:

NO. OF DOCTORS		1	EA	
DESIGN FLOW		250	GPD/EA	(NYSDEC)
	Qh =	250	GPD	

BODYN BUILDING:

NO. OF USERS	50	EA	
DESIGN FLOW	5	GPD/EA	(NYSDEC)
Qi =	250	GPD	
TOTAL	5,975	GPD (Qd thru Qi)	
AVG. DAILY USE =	7.1	GPM	(14 HOUR DAY)
PEAK HOURLY FLOW, Qp =	29.9	GPM	(4.2 x AVG)

NEW LODGE:

DESIGN FLOW, Q =	5,975	GAL/DAY (GPD)	
SEPTIC TANK SIZE	5,975		
	x 1.5		
	8,963	GALLONS	(NYSDEC FOR UNDER 5,000 GAL/DAY)
(3,750 + 0.75 Q) =	8,231	GALLONS	(NYSDEC FOR 5,000-15,000 GAL/DAY)

USE A 10,000 GALLON TANK (2 COMPARTMENTS)

CONVENTIONAL TRENCH SYSTEM:

PERCOLATION RATE	5	MIN/INCH	(MEASURED)	
APPLICATION RATE	1.2	GPD/SF		
REQUIRED ABSORPTION FIELD LENGTH			2,490	FT
DESIGN: USE	26	TRENCHES @	100	FT EACH
TOTAL TRENCH LENGTH			2,600	FT

FIELD DIMENSIONS:	25	GAPS @	6	FT SPACING
	100	FT LONG BY	152	FT WIDE

DOSING VOLUME (PER NYSDEC MANUAL):

LATERAL PIPE LENGTH	100	LF	
NO. OF LATERALS	26		
TOTAL PIPE LENGTH	2,600	LF	
LATERAL PIPE VOLUME	1,697	GAL (4	IN. PIPE)
TOTAL DOSING VOLUME	1,272	GAL	(75% OF PIPE VOLUME)
DOSING VOLUME (EACH PUMP)	636	GALLONS	

CONVENTIONAL BED SYSTEM:

PERCOLATION RATE	5	MIN/INCH	(MEASURED)
APPLICATION RATE	0.9	GPD/SF	(75% OF CONV.)
REQUIRED ABSORPTION FIELD AREA	6,639	SF	(Q/ 0.9)

DESIGN: USE	6	BEDS @	100	FT x	15	FT
TOTAL BED AREA	9,000	SF				

FIELD DIMENSIONS:	5	GAPS @	5 FT SPACING
	100	FT LONG BY	115 FT WIDE

BUILDING:

DOSING VOLUME (PER NYSDEC MANUAL):

LATERAL PIPE LENGTH	305	LF	(EACH BED)
NO. OF BEDS	6		
TOTAL PIPE LENGTH	1,830	LF	
LATERAL PIPE VOLUME	1,194	GAL	(4 IN. PIPE)
TOTAL DOSING VOLUME	896	GAL	(75% OF PIPE VOLUME)
DOSING VOLUME (EACH PUMP)	448	GALLONS	

AVG. DAILY FLOW, Qav =	8.30	GPM	(12 HOURS)
PEAK FLOW, Qp =	33	GPM	(4 x AVG.)
ALT PEAK FLOW, Qp =	50	GPM	(BASED ON FIXTURE UNITS)

APPENDIX 4

HISTORIC REGISTER SITE IMPACT EVALUATION

NEW YORK STATE OF OPPORTUNITY. | Parks, Recreation and Historic Preservation

ANDREW M. CUOMO
Governor

ROSE HARVEY
Commissioner

November 28, 2017

Charles Vandrei
Agency Historic Preservation Officer
NYS DEC-Division of Lands and Forests
625 Broadway
Albany, NY 12233-4255
(via email only)

Re: DEC
Mt. Van Hoevenberg Olympic Bobsled Run - Alpine Coaster
North Elba, Essex County
17PR07481

Dear Mr. Vandrei:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the project in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the OPRHP and relate only to Historic/ Cultural resources.

The proposed recreational alpine coaster ride will be placed in proximity to the outer edge of the 1932/1980 Olympic Bobsled Run, which was listed in the New York State and National Register of Historic Places in 2010. Based on the proposal dated November 9, 2017, it appears that the undertaking will pose no permanent damage to the structure of the run and would be removable in the future. As such, it is the opinion of this office that the action will have No Adverse Impact on the listed resource.

We do however, condition our comments with a request that the proposed interpretive signage plan outlined in the project overview be implemented within one-year of the opening of the new attraction. We also request that ORDA establish a plan for ongoing routine maintenance and stabilization of the structure as needed as part of their overall maintenance at this facility. This plan should be developed in consultation with the NYS DEC and this office.

If I can be of any further assistance, I can be reached at john.bonafide@parks.ny.gov or (518) 268-2166.

Sincerely,

John A. Bonafide
Director,
Technical Preservation Services Bureau
Agency Historic Preservation Officer

Olympic Sports Complex
Mt. Van Hoevenberg Olympic Bobsled Historic Register Site
Evaluation of Proposed Nearby New Development 11.9.17

Introduction

NYS Olympic Regional Development Authority (ORDA) is proposing to construct an alpine coaster at its Olympic Sports Complex (OSC) facility at Mt. Van Hoevenberg in the Town of North Elba, Essex County, NY. The proposed alpine coaster will follow the route of the original bobsled run (1932 and 1980) constructed at the OSC and will provide the visiting public with the opportunity to experience firsthand the route traveled by 1932 and 1980 Olympians. This experience will embrace the heritage of sliding sports associated with the Olympic Sports Complex.

The alpine coaster will be a new Management Action in the forthcoming 2017 Unit Management Plan (UMP) Amendment for the OSC. The UMP will include a Generic Environmental Impact Statement (GEIS) prepared in accordance with the NY State Environmental Quality Review Act (SEQRA). As part of the SEQRA compliance documents that will accompany the UMP, it will necessary to obtain a determination that the construction and operation of the alpine coaster will not have a significant adverse impact on the 1932/1980 bobsled run that is listed on the State and Federal Registers of Historic Places.

Historical and Archaeological Resources on the OSC Site

The Mt. Van Hoevenberg Olympic Bobsled Run was listed on the NY State Register of Historic Places in 2009 and on the National Register in 2010. The Registration Form for the bobsled run can be found at:
https://www.nps.gov/ny/feature/weekly features/2010/OlympicBobsledRun.pdf

The bobsled run is internationally recognized for its association with the 1932 Olympics and the rise of bobsledding as a sport in the United States, and the site is recognized by tourists and athletes from all over the world. The Mt. Van Hoevenberg Bobsled Run is an early and singular example of its type, and it is associated with a nationally significant event. This is the only resource that represents the early history of bobsledding in the United States and its role in the 1932 Olympics.

The one and one-half mile long bobsled run was constructed in 1930 and built specifically for the 1932 Winter Olympic Games. The 1932 track was formed by an earthen swale and blocks of ice. The uppermost ½ mile of the 1932 track was dropped in 1934 when the International Bobsled Federation (FIBT) established a one-mile standard for all tracks. To accommodate the change, the top ½ mile was shut down and the number of curves was accordingly reduced from 26 to 16.

A new bobsled track, following the route of the 1932 track, was constructed for the 1980 Olympics. A separate luge track was also constructed at the OSC for the 1980 Olympics. In 1999 the luge track was demolished and a new combined bobsled and luge track was constructed. Construction of the start house for the 1999 combined track required the removal of the upper 600 feet of the post-1932 and 1980 bobsled tracks.

Figure 1, entitled "III Olympic Winter Games Lake Placid 1932, Mt. Van Hoevenberg Bob Run", is taken from the registration form and shows the original track layout, the abandoned upper section, and the section of 1932/1980 track that was demolished during construction of the 1999 track.

The original length, steep topography, and twisting route of the 1930 track are still apparent however, enabling an understanding of the significant events of the 1932 Olympics. The nomination boundary was drawn to include the two intact sections of the bobsled run and the original access road. The nomination excludes the missing section of track, all adjacent buildings and features, which are outside the period of significance, as well as the entrance road and parking lot, which have been expanded and modernized to accommodate larger crowds.

Although there have been many changes to the site since 1932, the central and most important feature, the original bobsled run, survives with substantial integrity. It retains its original location amid a steep, heavily forested setting. It also retains most of its original design, structure, workmanship and materials and clearly recalls the grandeur and thrill of the historic events associated with the 1932 Olympics. With the exception of the six-hundred foot section at the former Whiteface curve, the topographic, sculptural and structural qualities of the run are entirely intact.

The attached Figure 2, "Historic Register Boundary Map," shows the boundary of the Historic Register site. It includes the uppermost portion of the 1932 1 ½ mile track that was no longer used after 1934. The section that was eliminated when the 1999 track was constructed is not included. The remainder of the track below the 1999 demolition, starting near the original curve 11 (1980 track curve #1) and continuing down to the end of the 1932/1980 track, is included is included in the Historic Register site.

Alpine Coaster Description

This is a gravity-driven ride that gives the rider control over the car's speed with its rider-controlled brake system. The alpine coaster behaves like a roller coaster in that bobsled-like sleds on wheels ride along rails on a raised track made of stainless steel tubing that is powder coated black. The track is 26 inches wide and the height of the track varies depending on the terrain. Typical height is 3 feet to 6 feet off the ground.

Installation of the track system has low environmental impact. The track only needs a 12 foot path through the woods and the path and stumpage and undergrowth can remain in most

locations. The track is attached to the existing ground by two 1-foot square galvanized pads which are then pinned to the ground with ground spikes.

Figure 3, “Alpine Coaster Typical Components,” shows the features of an alpine coaster that will be similar to that proposed.

Figure 4, “Alpine Coaster Location Map,” shows the location of the alpine coaster in relation to existing site conditions. The alpine coaster will be constructed along the outer side of the route of the 1932/1980 bobsled track.

Figure 5, “Photo Location Map,” is a version of Figure 2 that also includes the boundary of the Historic Register site and the photo locations of photos contained on Figures 6a-g, “Photos of 1932/1980 Bobsled Track.”

Riders will get onto the alpine coaster at a loading deck located near the 1980 outrun. From here the coaster sleds with riders will be pulled up to the top of the ride located near the current bob/luge start house where the ride will start. The ride will follow the route shown on Figure 4. It is anticipated that the coaster track will be located 5 to 20 feet off the outer edge of the 1932/1980 bobsled track.

Evaluation of Potential Impacts

The alpine coaster will not be located in the vicinity of, nor will it be visible from the upper section of the 1932 track that was abandoned in 1934.

The lower portion of the extant 1932/1980 track will not be physically affected by the construction and operation of the alpine coaster. The alpine coaster will be constructed close enough to the track so that it is visible to the alpine coaster riders. Enough spacing will be provided between the rail supports of the alpine coaster, the only aspect of the alpine coaster that will be in contact with the ground, and the 1932/1980 track to insure that components of the 1932-1980 track are not affected by construction of the alpine coaster.

As stated above, the first one-half mile of the course from the summit down represents the track that was placed on the National and State Registers of Historic Places in 2010. The National Register of Historic Places nomination narrative states that none of the original buildings associated within the boundary are present and, since new buildings on the site replace the previous uses, “they do not compromise the integrity of setting.” The 1999 luge and bobsled track constructed adjacent to the National Register Historic Site Boundary is also compatible since it represents “a continuation of the original function used an approved design, contemporary size and improved technology.” A similar argument can be made that the alpine coaster represents a contemporary use that is compatible with the 1932/1980 bobsled run because it enables the visiting public to see a site which cannot be easily seen otherwise, and enjoy a simulated experience from that historic Olympic era.

The bobsled run recalls an important theme in the Adirondack history of adapting the landscape to enable a bold and adventurous recreational use of the mountainsides. The 1932 Olympics provide an example of how local citizens began to promote economic development in the Adirondacks by using the natural landscape. This theme embraces one of the biggest challenges ORDA encounters - how to bring an authentic outdoor experience to the visiting public. Most visitors to the area first encounter information on the Mt. Van Hoevenberg Olympic Sports Sliding Complex at the Lake Placid Olympic Museum. Some may even venture out to enjoy an event or competition at the OSC site. Few people experience what it was like to be on the most challenging bobsled courses in the world. See planned interpretive signage program below on Figure 8.

The proposed alpine coaster will give riders the ability to experience the entire bobsled run on a safe and thrilling ride. Riding alongside the 1932/1980 track alpine coaster riders will experience the run the way bobsledders enjoyed since 1932. The alpine coaster will not only expose many more people to the site of the 1932/1980 track, it will also give riders a way to embrace the Olympic heritage and bring alive the sliding sports of bobsled, skeleton, and luge.

The placement of the alpine coaster will generally follow the outside edge of the bobsled run. This will enable the access road (also within the National Register Historic Site Boundary) to be used for the purposes of access and maintenance. No changes to the existing bobsled track, access points, or road are proposed. In addition, the proposed alpine coaster will be physically separate from the 1932 track and will therefore have no impact on the physical structure of the bobsled track.

Alternative Alpine Coaster Locations

A number of circumstances contributed to the selection of the proposed alpine coaster location as the preferred location.

Lands at the OSC include lands owned by New York State that are considered Forest Preserve Lands. The alpine coaster cannot be built on these lands because it is not permissible. Article 14 of the NYS Constitution pertains to Forest Preserve lands and what can and cannot occur on these lands. Article 14 contains specific clauses the pertain to the alpine ski areas on Forest Preserve lands at Whiteface Mountain and Gore Mountain and the development that is allowed to occur at these locations (locations that are also operated by ORDA). There is no similar clause in Article 14 pertaining to allowable development on Forest Preserve lands at the OSC.

There are other lands at the OSC that are not Forest Preserve lands. These other OSC lands are owned by the Town of North Elba which has granted the State of New York a permanent easement. Figure 7, “Land Ownership Map,” illustrates the boundaries of the state and town lands.

In 1917, the original bobsled run was proposed on the west side of the Sentinel Range, in Wilmington Notch on state forest lands. Construction at this location was blocked by litigation from environmental organizations. This protest of a manmade structure in the Forest Preserve resulted in the construction of the 1932 bobsled track Mt. Van Hoevenberg. The 1932 track, the 1980 track and the 1999 track were all constructed on Town of North Elba lands. Through a deed dated November 18, 1965, the State purchased from the Town of North Elba a permanent easement covering the 323.45 acres owned by the Town. This easement was acquired for the purpose of developing, operating and maintaining a recreational area and facilities thereon. Sliding sports (bobsled, luge, and skeleton) make use of tracks that have combinations of lengths, slopes and turn geometries that provide challenging, fast, and safe sliding conditions. The appropriate combination of factors that led up to the routing of the 1932 track (excluding the upper ½ mile in 1934) was reinforced by the 1980 track following the path of the 1932 track. The 1980 bobsled track has some higher bank turns than the 1932 track to accommodate the higher speed of the newer sleds, but it followed the same route down the mountain as the 1932 bobsled track. Alpine coasters also strive to provide the same challenging, fast and safe riding conditions.

The 1932/1980 bobsled track was constructed towards the east side of the Town lands. Physical and natural resources constraints to the west of the 1932/1980 bobsled track would make locating the alpine coaster in this area difficult. There is a topographic ridgeline that extends north on the mountain face just to the west of the western end of the 1932/1980 track just beyond zigzag curve. This presence of this topographic ridgeline obviously presented a challenge to the original design on the bobsled track and it was avoided by keeping the track to the east of the ridgeline. Beyond these ridgelines there are also some streams coming down the mountainside that discharge into a wetland complex where the topography starts to become less steep. This wetland area is at about the same elevation as the lowest point of the 1932/1980 track. Construction of the alpine coaster in this area would also involve forest clearing along the route in order to construct and operate the alpine coaster.

Construction of the alpine coaster further to the west would also require construction of additional support infrastructure that would require additional environmental impacts. As currently designed, alpine coaster riders can make use of the existing access roads and parking in this part of the OSC. Constructing the alpine coaster further to the west would require, extensions of existing access and parking infrastructure at minimum, and possible construction of new infrastructure. New support infrastructure, such as restrooms for alpine coaster customers, would be required at a more remote location on the Town property.

Construction of the alpine coater at its proposed location would provide the following benefits.

- Existing support infrastructure in the form of vehicular access, parking, restrooms, etc. exist at the preferred location.

- Impacts to natural resources that would be required at a new location would be avoided.

- Alpine coaster riders will be able to experience firsthand the Olympic heritage that would come along with following the route of the 1932/1980 track that they would otherwise not experience at a remote location.

- Steelwork on the coaster will be galvanized to blend in with nearby granite.

- The integrity of the historic track will be preserved by specifications that call for a minimum of 5 foot separation distance between the coaster supports and the original track. In addition, a construction fence at the setback point will prevent equipment from getting too close.

- The National Historic boundary extends through the finish line of the 1980 track. The new start building for the coaster is located in this area and will be visible from lands within the boundary (see Figure 4). There are many existing buildings in this area and, while none of the original buildings survive, the new buildings such as the clubhouse, sled storage barn cart and starter platform (see the first photo on Figure 3) accommodate the same function. Because of this, they so not compromise the integrity of the setting. The largest and most significant addition to the site is the adjacent luge and bobsled track constructed in 1999. This situation is comparable with the original run because it represents a continuation of the original function using an improved design, contemporary size, and updated technology.

- Visitor interpretation is established with two interpretive signs that are in place along the walking path at the bobsled sliding complex. These signs are depicted in Figure 8, "Sliding Brochure". A plan is in place to expand the number of interpretive signs to a total of 12. This set of signs would be made to highlight the "point of interest" stops listed for the 1932/1980for the Historical Walking Tour at Mt. Van Hoevenberg. There may be the potential to also include signage for the other 12 stops on the 2000 track. These signs would be 18" x 24" outdoor interpretive signs that are PVC digitally printed in color with a weather proof laminate. The proposed signs on the 2000 track are under review. The first sign would be for the 1932/1980 Track, Stop 1. The text would be: Finish Curve – Also known as Glider Curve, the Finish Curve was the first refrigerated curve on the 1932 track in preparation for the 1980 Winter Olympics. See Figure 9, "Bobsled Storyboard".

Consideration of all of these factors makes the choice of the currently proposed alpine coaster route an appropriate choice. The alpine coaster will allow riders to experience the 1932/1980 track that is the reason for the establishment of the Historic Register site, while at the same time not physically affecting the track and its setting within the OSC.

Summary

Construction and operation of the proposed alpine coaster will not result in any significant impacts to historical resources. The project will complement the integrity of the historic setting because it will provide a means for the general public to learn more about the history of bobsledding and the role that the OSC facility played in that history. In addition, it will expose the public to a unique ride that mirrors the bobsled experience of 1932 and 1980 while enabling the user to have visual contact with the actual abandoned historic bobsled track.

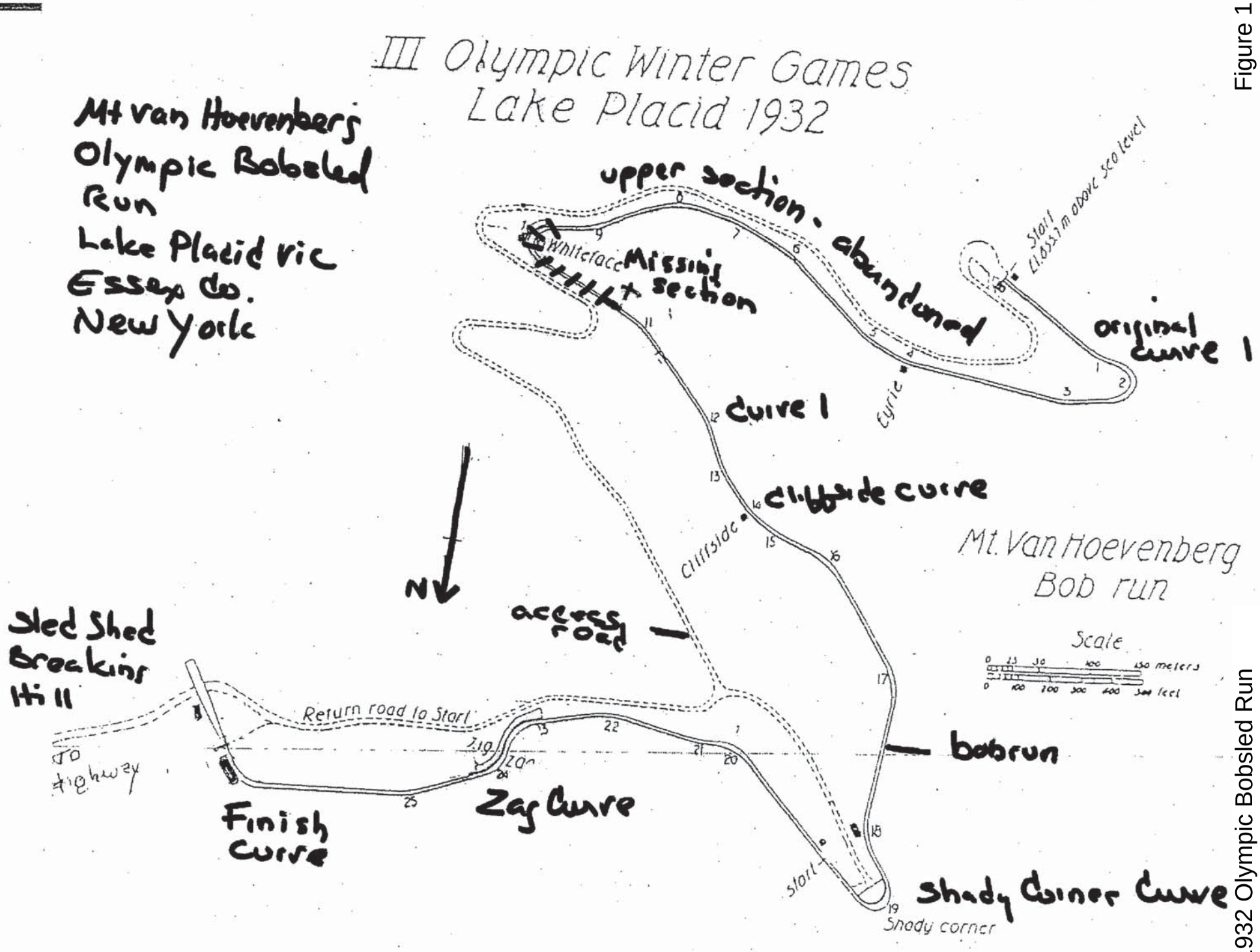

Figure 1

1932 Olympic Bobsled Run

Plotted By: KATELYN KOURY
Save Date: 10/18/2017 11:23 AM
File Name: G:\Proj-2017\2017004_ORDA_MtVanhoevenberg\2017004CAD\VH-Fig2-HistoricRegister.dwg

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Olympic Regional Development Authority

Project Title:
Mount Van Hoevenberg

20 Bobsled Run
Lake Placid, New York 12946

Drawing Title
Historic Register Boundary Map

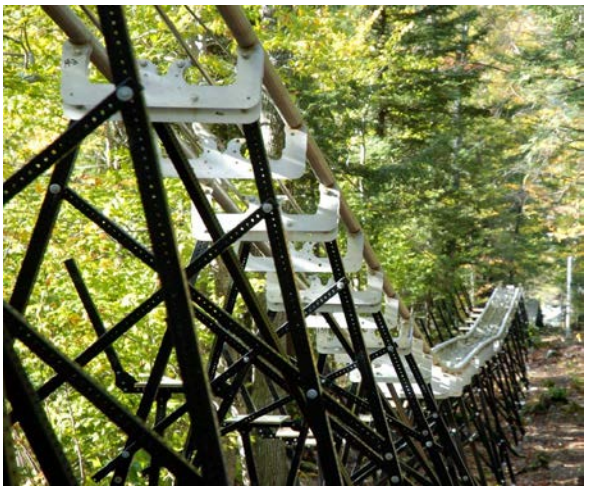
Prepared for:
Olympic Regional Development Authority
2634 Main Street
Lake Placid, New York 12946

150 0 50 100 150
Full Size: 1" = 150' / 11X17: 1" = 300'

Date:	
Scale:	1"=150'
Design:	
Drawn:	KMK
Ch'k'd:	
Project No.:	2017004

Drawing No:
Fig. 2

Alpine Coaster Typical Components



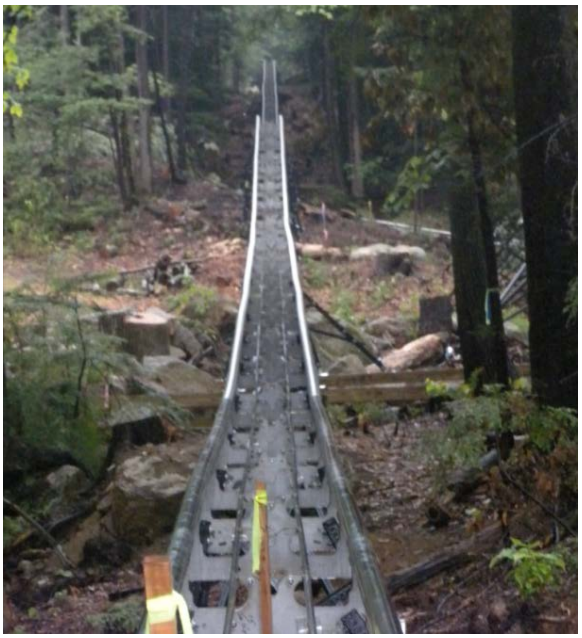


Figure 3

Plotted By: KATELYN KOURY
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Project Title:
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Lake Placid, New York 12946

Drawing Title
Alpine Coaster Location Map

Prepared for:
Olympic Regional Development Authority
2634 Main Street
Lake Placid, New York 12946

150 0 50 100 150
Full Size: 1" = 150' / 11X17: 1" = 300'

Date:	
Scale:	1"=150'
Design:	
Drawn:	KMK
Ch'k'd:	
Project No.:	2017004

Drawing No:
Fig. 4

Plotted By: KATELYN KOURY
Save Date: 10/18/2017 11:39 AM
File Name: G:\Proj-2017\2017004_ORDA_MtVanhoevenberg\2017004CAD\VH-Fig5-PhotoLocationMap.dwg

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Photo Location Map

Prepared for:
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Lake Placid, New York 12946

150 0 50 100 150
Full Size: 1" = 150' / 11X17: 1" = 300'

Date:	
Scale:	1"=150'
Design:	
Drawn:	KMK
Ch'k'd:	
Project No.:	2017004

Drawing No:
Fig. 5

Uphill Curve 5 (Photo #1)

5-6 Straight (Photo #2)

Communication Shack (Photo #3)

Photos of 1932/1980 Bobsled Track

Figure 6a

Curve 6-7 Straight (Photo #4)

Uphill Curve 7 (Photo #5)

Curve 7 (Photo #6)

Photos of 1932/1980 Bobsled Track

Figure 6b

Curve 8 (Photo #7)

Shady Curve 9 (Photo #8)

Curve 8 (Photo #9)

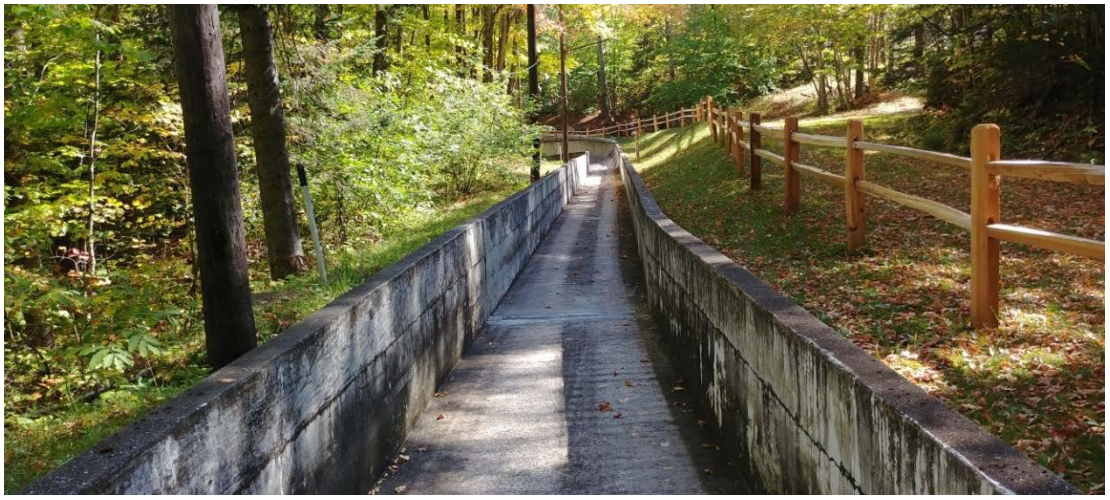
Photos of 1932/1980 Bobsled Track

Figure 6c

Exit Shady 1-2 Mile Start (Photo #10)

Exit Shady 1-2 Mile Start (Photo #11)

9-10 Straight (Photo #12)



Photos of 1932/1980 Bobsled Track

Figure 6d

Little S (Photo #13)

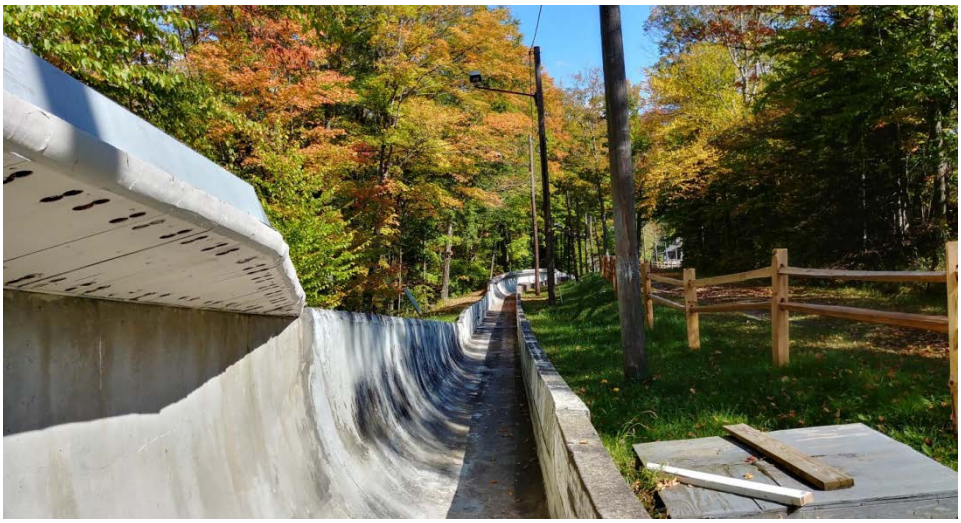
Exit Little S (Photo #14)

Zig Zag (Photo #15)

Photos of 1932/1980 Bobsled Track

Figure 6e

Exit Zig Zag (Photo #16)



15-16 Straight (Photo #17)

Finish Curve (Photo #18)

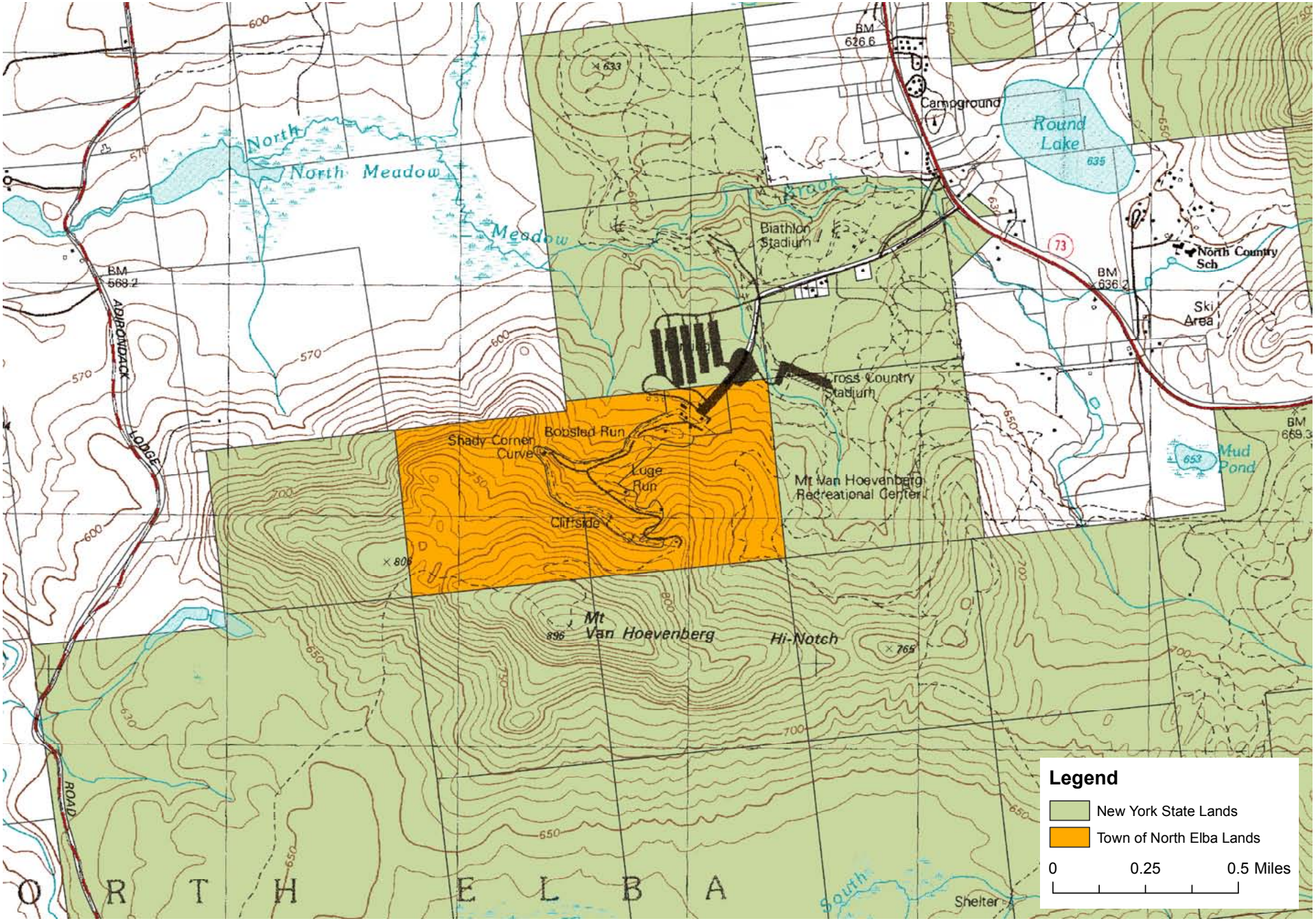
Photos of 1932/1980 Bobsled Track

Figure 6f

Finish (Photo #19)

Photos of 1932/1980 Bobsled Track

Figure 6g



Land Classification

Figure 7

1978 – 1999

The one mile length was kept as the track was improved for the 1980 Olympic Winter Games. In 1973, refrigeration was added to the finish curve and in 1979 the entire one mile track was reconstructed with concrete and refrigeration. The cost to upgrade the track was $12 million dollars. The 1980 Olympic Winter Games in Lake Placid required the construction of North America's first refrigerated luge track in 1979 and represented the only time a separate track was constructed for luge.

The 2-man Swiss team and the 4-man East German team won the 1980 Olympic bobsled competitions. The East German 4-man sled was the first team to slide one mile in less than a minute in the sport of bobsledding. East Germany won the men's singles and doubles luge competition while the Soviet Union was victorious in the women's event.

After 1980, sled technology rapidly outgrew the tracks at Mt. Van Hoevenberg and by the mid 1990's the tracks were deemed too dangerous for competition.

PRESENT

In 1999, the luge track was removed and the bobsled track was shortened to a half-mile length as construction began on the new combined bobsled, luge, and skeleton track. The $25 million dollar combined track opened in 2000 and is considered one of the most technically challenging tracks for sliders of all disciplines.

The opening of the new track coincided with a reemergence in American sliding. In 2009, the US won the World Championship in women's luge and three weeks later the US 4-man bobsled team ended a 50 year World Championship drought by claiming gold in Lake Placid. In 2012, the US enjoyed a record medal count at the World Championships in Lake Placid winning 5 medals, including gold in women's skeleton, the team event and double gold in men's 2 and 4-man bobsled.

The Mt. Van Hoevenberg Olympic Bobsled Run was added to the National Register of Historic Places in 2010.

INTERNATIONAL SLIDING SPORTS MUSEUM

You have enjoyed the first of its kind anywhere in the world; the International Sliding Sports Museum (ISSM) will be located at the Olympic Sports Complex at Mt. Van Hoevenberg.

Set within this world class facility, ISSM will educate current and future athletes about the history and the development of their sports while offering the public an inspiring story that merges the past, present and future.

As a 501 (c) (3) not-for-profit corporation we welcome your participation: Do you have artifacts that would enhance this collection; do you know some background of the athletes and competitions for these sports; would you like to sponsor some part of this experience? If so, please contact the Lake Placid Olympic Museum (518-523-1655 / museum@orda.org)

Godfrey Dewey drives passengers down the 1932 Olympic Bobrun
Courtesy of Lake Placid Olympic Museum

Visit us at: www.whitefacelakeplacid.com or www.facebook.com/lake.placid.olympic.museum

A partnership of The Lake Placid Olympic Museum and The Olympic Regional Development Authority

HISTORICAL GUIDE TO

MT. VAN HOEVENBERG

LAKE PLACID OLYMPIC MUSEUM
International Sliding Sports Museum

OLYMPIC SPORTS COMPLEX

HISTORY OF MT VAN HOEVENBERG

1930 – 1978

When Lake Placid won the bid to host the third Olympic Winter Games in 1932, Mt. Van Hoevenberg was selected as the site of the first full length bobsled run in the United States. Polish engineer and famed track designer Stanislaus Zentytski was hired to design a mile and a half earthen track following the contours of the hillside. The $135,000 track opened on Christmas Day in 1930 to widespread acclaim and was quickly a hit with visitors and locals alike.

Following the tradition of European tracks each curve was given a name. **Whiteface, Shady, Little S and Zig Zag soon became respected and feared curves throughout the world.**

Workers constructing the 1932 Olympic Bobrun
Courtesy of Lake Placid Olympic Museum

The first true test of Mt. Van Hoevenberg was the 1932 Olympics and the Americans came out on top. **Hometown heroes Curtis and Hubert Stevens won the gold medal in the 2-man bobsled competition. In the 4-man bobsled competition Billy Fiske drove his team to victory.** Along for the ride was Eddie Eagan, a gold medalist in boxing and one of only two athletes to ever win gold medals in both summer and winter games.

Mt. Van Hoevenberg has gone through many changes over its 80+ years. The upper half-mile of the track including the dangerous Whiteface Curve was only used for the 1932 Olympics. Due to the dangers of this hairpin turn, the track was shortened in time for the 1949 Bobsled World Championship; the first of twelve World Championships the venue has hosted.

THE SPORTS

BOBSLED

One of the original sports of the Olympic Winter Games, bobsleigh (bobsled in the USA) was born in St Moritz, Switzerland in 1897 when a steering mechanism was attached to a toboggan. By 1914 races were taking place in winter resorts throughout Europe. The first racing sleds were made of wood but were soon replaced by steel sleds that came to be known as bobsleds, due to a starting technique where crews bobbed back and forth to increase their speed at the start.

In 1924 a 4-man race was included at the inaugural Winter Olympics in Chamonix, France. A 2-man event was added in 1932 at the Olympic Winter Games in Lake Placid, NY and women's competition was introduced during the 2002 Salt Lake City Games.

By the 1960s, the critical importance of the start had been recognized and athletes with explosive strength from other sports were drawn to bobsledding. Today, the world's top teams train year-round and compete mostly on artificial ice tracks in sleek, high-tech sleds made of fiberglass, carbon fiber, and steel.

The sport is known for its explosive pushes at the start, followed by acrobatic loading into the sled. Over the rest of the course, a sleigh's speed depends on its weight, aerodynamics, runners, the condition of the ice, and the skill of the driver. Races are timed in hundredths of seconds. World Cup races are generally two heats, while the World Championships and Olympic Games are contested over four heats.

The traditional powers in the sport have been European nations, led by Germany and Switzerland. However, Canadian and American teams have earned frequent podium finishes at World and Olympic events over the last two decades as new tracks were built in North America.

Steven Holcomb and his "Night Train" team of Justin Olsen, Steve Mesler, and Curt Tomasevicz ended a 62-year Olympic gold medal drought for the US in bobsledding by winning the 2010 4-man title in Vancouver. Holcomb, who won the 2009 FIBT World Championship 4-man race in Lake Placid, added to his driving legacy when he became the first American ever to sweep the 2-man and 4-man titles when the FIBT World Championships returned in 2012.

LUGE

Luge is traditionally referred to as the fastest sport on ice and is identifiable by the feet first, head back sliding position of the athlete on the sled. The word "luge" comes from the Savoy/Swiss dialect of the French word for "sled".

The first international luge race took place in Switzerland in 1883 with 21 competitors representing six nations, including the United States. Luge competitions in the first half of the 20th Century were governed by the same group that oversaw bobsledding. In 1955, the first World Championships were held in Oslo and in 1957, luge split from bobsled and formed its own organizing body. Luge was inaugurated as an Olympic sport at the 1964 Winter Olympic Games in Innsbruck, Austria.

Having no formal luge program at the time of the 1964 Winter Games, the first United States Olympic luge team consisted mainly of American soldiers who were stationed in Europe. Back in the US, luge attracted a small number of athletes who trained on the 1932 Olympic bobsled run in Lake Placid, NY or at a track in Lolo Springs, Montana.

Luge competition consists of four events; men's singles, women's singles, doubles (two athletes, male or female on a single sled) and the team relay. The team relay is a new event that will join the Olympic line-up in 2014 in Sochi, Russia. It features a female athlete, a male athlete and a doubles team from each nation competing in a continuous run until all three disciplines have navigated the track and stopped the clock.

Sleds are steered using the feet and shoulders. Athletes try to stay relaxed and "be part of their sleds" as they try to drive a perfect line down the track, while trying not to pick up their head and look at the course, as this creates aerodynamic drag. Since the sport is timed to the thousandths of a second, precision is critical. **This is all happening at speeds in excess of 90 MPH while pulling up to 5 G's (extreme gravitational force) in the corners.**

Luge has long been dominated by Europeans but in the last two decades the USA has won Olympic medals in the doubles competition at the 1998 and 2002 Olympic Games. The US has two gold medals at the World Championships, including a 2009 win by Erin Hamlin in Lake Placid, a victory that ended a 99-race win streak by German women.

Photos Left to Right: Erin Pac, 2010 Olympic Bronze Medalist (Todd Bissonette); Erin Hamlin, 2009 World Champion (Tony Benshoof); Katie Uhlaender, 2012 World Champion (Todd Bissonette)

SKELETON

In the early days of skeleton, the head first sliding sport, it was known as toboggan. Some claim the name comes from the metal design of the sled that appears to be a human skeleton. Others speculate that the name "Skele" derives from an incorrect Anglicization of the Norwegian word "Kjelke," meaning sled.

The first toboggan track was constructed in Switzerland in the early 1880s. In 1884, the Cresta Run, incorporating challenging curves in its design, was constructed in St. Moritz. The natural run is still in existence today and parallels the famed natural bob track. **Skeleton was contested at the Olympics in 1924 and 1948 on the Cresta Run in St Moritz, but did not make it into the regular Olympic rotation until 2002.**

The sport re-emerged in the late 1970s when a new skeleton sled was introduced that could be used on the new refrigerated bobsled tracks in Europe. A World Cup circuit began in 1986 and the first skeleton World Championships where conducted in 1982.

Like its sister sport of bobsled, skeleton competitions can be won or lost in the first 50 meters. **Using the bobsled start line, skeleton riders sprint at the start, leap on their sleds and ride head first with their chin just inches off the ice.** Athletes steer by shifting their body weight or applying pressure on the sled with their shoulders and knees. Skeleton sliding is much less precise than luge or bobsled since the athletes have much less steering control. Top speeds of over 85 miles per hour (135 km/hour) have been reached.

The skeleton sled consists of a fiberglass pod mounted onto a steel chassis. The sled runs on two highly polished steel runners. There are no brakes on a skeleton sled.

Lake Placid has hosted the skeleton World Championships in 1997, 2009 and in 2012. The 1997 World Championship was the last major event held on the 1980 Olympic track before it was closed.

In 2002, the United States team swept the inaugural skeleton gold medals at the Salt Lake City Olympics. Jim Shea, representing the third generation of his family of Lake Placid Olympians, beat out all competitors to take the gold medal for the United States in the men's event, while Tristan Gale won the women's competition. The United States has remained strong in skeleton most recently winning the women's World Championship title in Lake Placid when Katie Uhlaender slid to gold in 2012.

Figure 8

Sliding Brochure (Page 1)

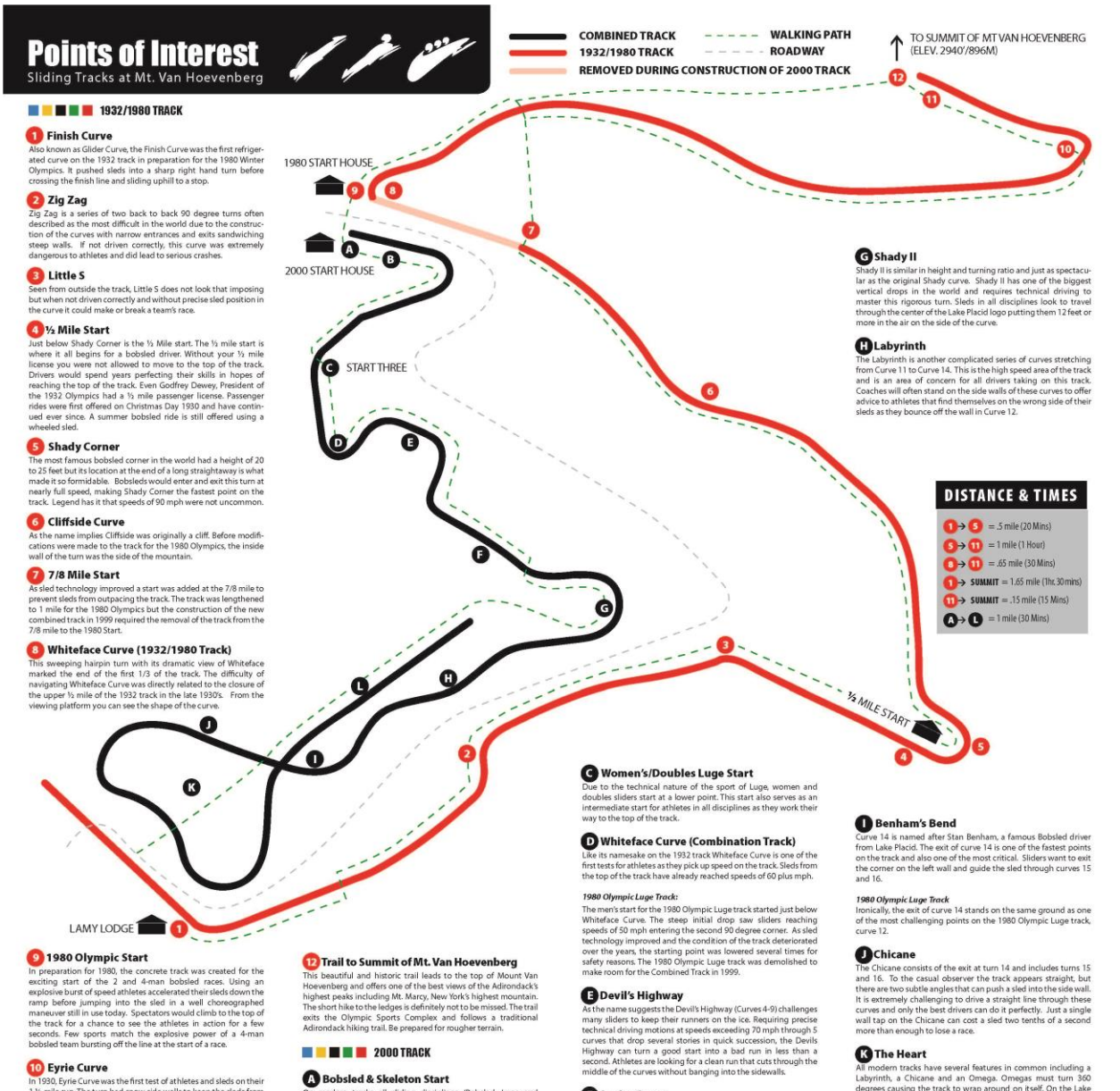


Figure 8

Sliding Brochure (Page 2)

Figure 9

Bobsled Storyboard

APPENDIX 5

CORRESPONDENCE

NEW YORK STATE OF OPPORTUNITY. | Parks, Recreation and Historic Preservation

ANDREW M. CUOMO
Governor

ROSE HARVEY
Commissioner

November 28, 2017

Charles Vandrei
Agency Historic Preservation Officer
NYS DEC-Division of Lands and Forests
625 Broadway
Albany, NY 12233-4255
(via email only)

Re: DEC
Mt. Van Hoevenberg Olympic Bobsled Run - Alpine Coaster
North Elba, Essex County
17PR07481

Dear Mr. Vandrei:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the project in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the OPRHP and relate only to Historic/ Cultural resources.

The proposed recreational alpine coaster ride will be placed in proximity to the outer edge of the 1932/1980 Olympic Bobsled Run, which was listed in the New York State and National Register of Historic Places in 2010. Based on the proposal dated November 9, 2017, it appears that the undertaking will pose no permanent damage to the structure of the run and would be removable in the future. As such, it is the opinion of this office that the action will have No Adverse Impact on the listed resource.

We do however, condition our comments with a request that the proposed interpretive signage plan outlined in the project overview be implemented within one-year of the opening of the new attraction. We also request that ORDA establish a plan for ongoing routine maintenance and stabilization of the structure as needed as part of their overall maintenance at this facility. This plan should be developed in consultation with the NYS DEC and this office.

If I can be of any further assistance, I can be reached at john.bonafide@parks.ny.gov or (518) 268-2166.

Sincerely,

John A. Bonafide
Director,
Technical Preservation Services Bureau
Agency Historic Preservation Officer

Environmental Resource Mapper

Base Map: Topographical

Search
Tools
Layers and Legend

- Unique Geological Features
- Waterbody Classifications for Rivers/Streams
- Waterbody Classifications for Lakes
- State Regulated Freshwater Wetlands
  - State Regulated Wetland Checkzone
- Significant Natural Communities
  - Natural Communities Near This Location
- Rare Plants or Animals

Other Wetland Layers
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