

Stormwater Controls

Erosion and Sediment Controls – Structural Practices

- * Temporary
 - a. Perimeter erosion control – silt fence
 - b. Stabilized construction entrance – tracking control
- * Permanent
 - a. Lawn grading & seed stabilization
- Stabilization Practices (including vegetative practices)
 - * Temporary
 - a. Seed areas unworked for at least 14 days
 - * Permanent
 - a. Seeding all disturbed areas to lawn
 - b. Final landscaping
 - c. Stabilize all building lot cut/fill slopes

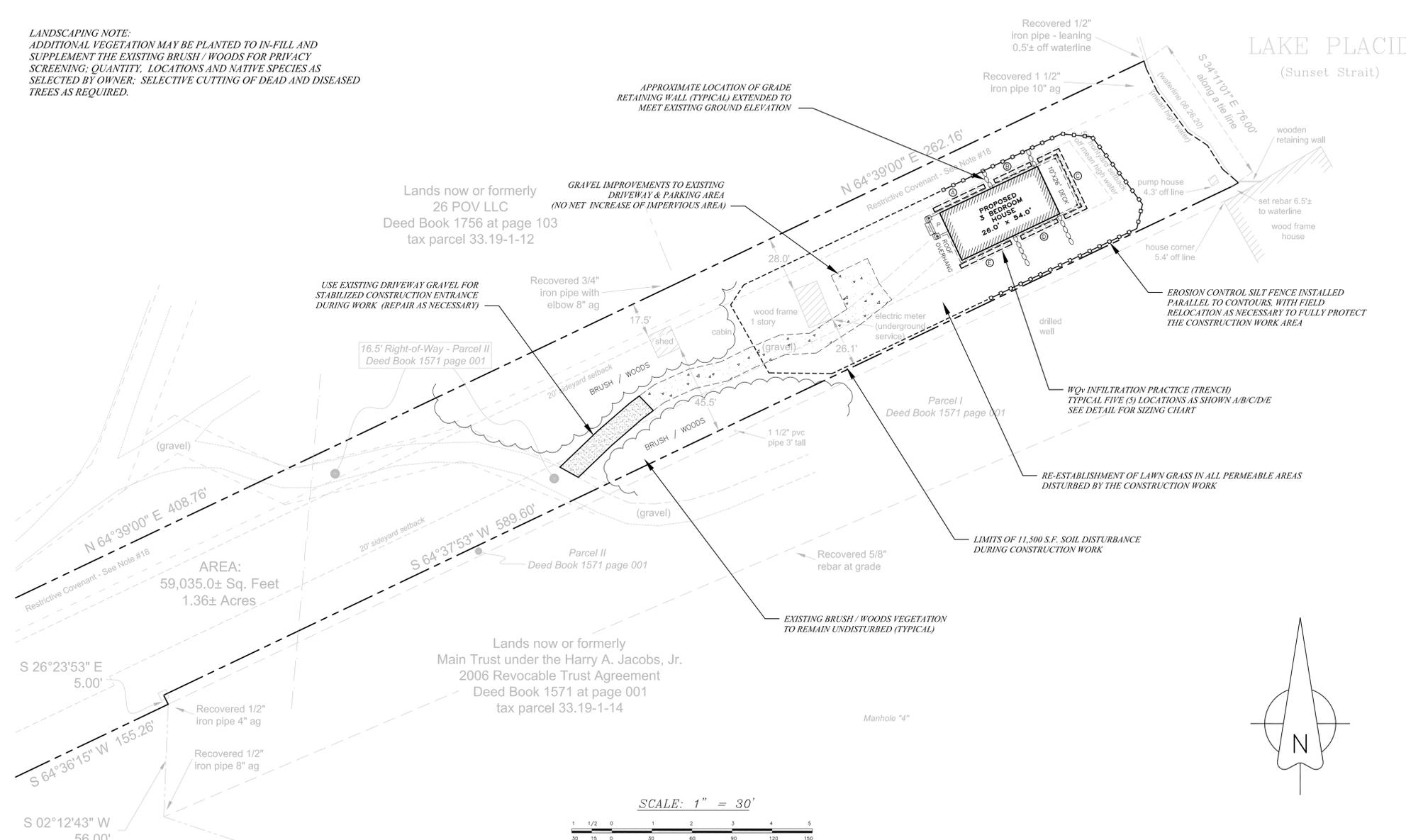
Other Controls

- Waste Materials:** All waste materials generated during construction to be disposed at a suitable landfill, transfer station or C and D landfill.
- Hazardous Waste:** The project will not be a generator of hazardous waste and it is not anticipated that any hazardous waste will be generated during construction.
- Sanitary Waste:** Sanitary facilities to be made available to construction personnel.
- Offsite Vehicle Tracking:** Earthworking equipment involved with the construction will not regularly egress or ingress the site. Any trucks used to bring in materials or remove materials will do so over a stabilized construction entrance.
- Timing of Measures/Controls**
- * Temporary structural erosion controls to be installed prior to earthwork.
 - * Structural erosion controls and non-stabilized areas to be inspected once a week.
 - * Areas undisturbed for more than 10 days to be temporarily stabilized by seeding.
 - * Disturbed areas to be re-seeded and mulched immediately after final contours are re-established and no more than 14 days after the completion of construction.
 - * Temporary erosion control devices to be maintained until the area served is stabilized by the growth of vegetation.
 - * Any areas not seeded to turf by October 1 or earlier to receive a temporary seeding. The temporary seeding to consist of winter rye seeded at the rate of 120 pounds per acre (2.5 pounds per 1,000 square feet).

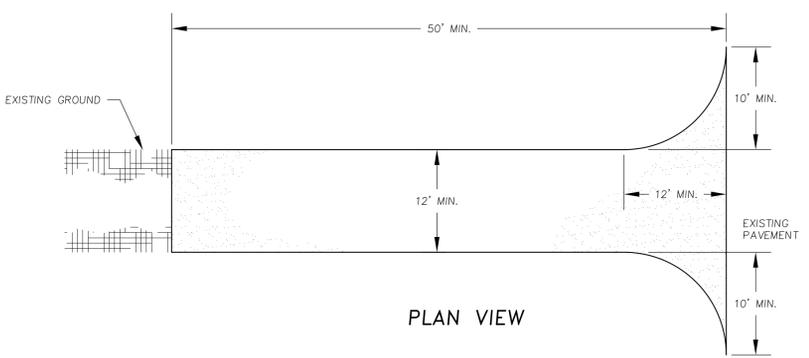
Maintenance & Inspections

- Erosion and Sediment Control Inspection and Maintenance Practices**
- * All measures to be maintained in good working order.
 - * Built up sediment to be removed when it has reached one-third the height of the silt fence.
 - * Silt fence to be inspected for depth of sediment, tears.
 - * Seeded and planted areas to be inspected for bare spots, washouts, and healthy growth. If necessary, spot reseeded.
- Temporary Stabilization for Winter Construction/Frozen Conditions**
- * Any area of disturbance that will remain inactive for a period of 14 consecutive days to be mulched.
 - * Mulching consists of loose hay or straw applied at the rate of 2 to 3 bales (90 to 100 pounds) per thousand square feet.
 - * Mulching to be applied uniformly over the area of bare soil or bare soil that is covered with snow, using a tracked vehicle to crimp mulch into the bare soil/snow.

LANDSCAPING NOTE:
 ADDITIONAL VEGETATION MAY BE PLANTED TO IN-FILL AND SUPPLEMENT THE EXISTING BRUSH / WOODS FOR PRIVACY SCREENING; QUANTITY, LOCATIONS AND NATIVE SPECIES AS SELECTED BY OWNER; SELECTIVE CUTTING OF DEAD AND DISEASED TREES AS REQUIRED.

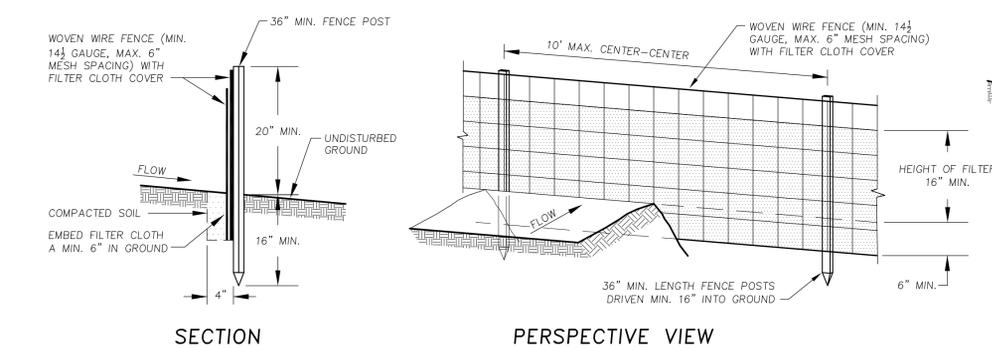


SURVEY MAP REFERENCE: THE BASE MAP INFORMATION WAS OBTAINED FROM A BOUNDARY MAP, DATED JUNE 26, 2020, PREPARED BY ADIRONDACK SURVEYING, PLLC, JAY, NY.



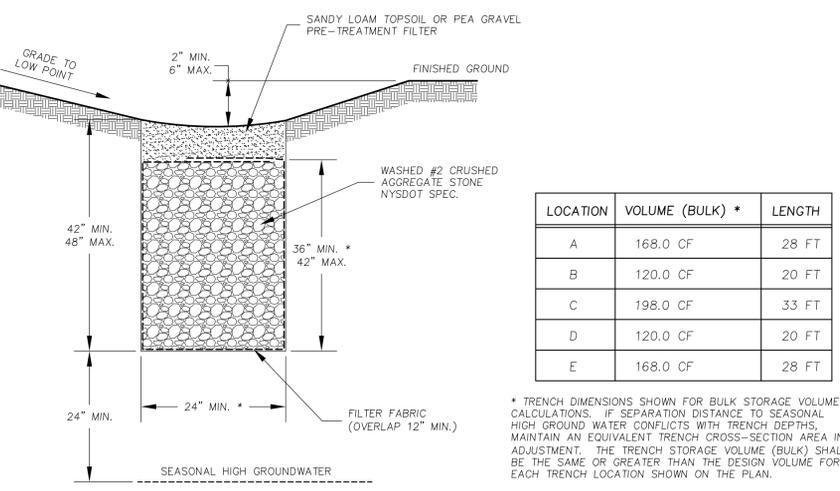
- CONSTRUCTION SPECIFICATIONS:**
- STONE SIZE – USE 1-4 INCH STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 - LENGTH – NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE 30 FOOT MINIMUM LENGTH WOULD APPLY).
 - THICKNESS – NOT LESS THAN SIX (6) INCHES.
 - WIDTH – TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
 - GEOTEXTILE – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
 - SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 - MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 - WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

1 STABILIZED CONSTRUCTION ENTRANCE DETAIL
 REFERENCE: NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, AUGUST 2005 N.T.S.



- CONSTRUCTION SPECIFICATIONS:**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE 6" MAXIMUM MESH OPENING.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
 - PREFABRICATED UNITS SHALL BE GEOTAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- MAXIMUM DRAINAGE AREA 1/2 ACRE PER 100 FEET.

2 EROSION CONTROL SILT FENCE DETAIL
 REFERENCE: NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, AUGUST 2005 N.T.S.



LOCATION	VOLUME (BULK) *	LENGTH
A	168.0 CF	28 FT
B	120.0 CF	20 FT
C	198.0 CF	33 FT
D	120.0 CF	20 FT
E	168.0 CF	28 FT

* TRENCH DIMENSIONS SHOWN FOR BULK STORAGE VOLUME CALCULATIONS. IF SEPARATION DISTANCE TO SEASONAL HIGH GROUND WATER CONFLICTS WITH TRENCH DEPTHS, MAINTAIN AN EQUIVALENT TRENCH CROSS-SECTION AREA IN ADJUSTMENT. THE TRENCH STORAGE VOLUME (BULK) SHALL BE THE SAME OR GREATER THAN THE DESIGN VOLUME FOR EACH TRENCH LOCATION SHOWN ON THE PLAN.

3 INFILTRATION TRENCH DETAIL
 REFERENCE: NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, AUGUST 2005 N.T.S.

REVISIONS	DATE	BY

Unauthorized alteration of this document is a violation of Section 7209 of the New York State Education Law

PROJECT ENGINEER KJH	DATE ISSUED 14 SEP 2020
PROJECT MANAGER KJH	SCALE AS NOTED
DEPT./AFFILIATE/MANAGER KJH	DRAWN BY KJH



KEVIN L. HASTINGS, P.E.
 Consulting Engineers
 Mailing Address: 3 Jackson Avenue
 South Glens Falls, New York 12803
 Phone: (518) 222-1338
 Fax: (518) 747-2166

PROJECT
TODD KEMP & BRIAN BOYER
 26 POINT - 0 - VIEW WAY
 TOWN OF NORTH ELBA
 LAKE PLACID, NEW YORK

TITLE OF DRAWING
STORMWATER MANAGEMENT PLAN

DRAWING NO.
SWM-1