Stormwater Pollution Prevention Plan

Chester / Cobble Creek Rd Subdivision

Town of Chester, New York

August 2025
Revised January 2026

Stormwater Pollution Prevention Plan

Prepared for:

Christmas & Associates, Inc.
23 Main St.
Camden, NY 13316

Prepared by:

Fisher Civil Engineering, PLLC
119 Stone Rd
Lake Placid, NY 12946

Date: January 19, 2026
Project No. 48.29

Table of Contents

LIST OF FIGURES

LIST OF APPENDICES

1. INTRODUCTION

1.1. Project Description

The Chester / Cobble Creek Road Subdivision consists of a 4-lot residential subdivision located in the Town of Chester in Warren County, NY. The property is located within the boundaries of the Adirondack Park. Refer to Figure 1 for a vicinity map.

The Owner and Engineer are:

Owner / Operator
Christmas & Associates
23 Main St., Camden, NY 13316
Contact: Marc Christmas, 315-245-5761 , marc@landandcamps.com

Engineer
Fisher Civil Engineering, PLLC
119 Stone Rd
Lake Placid, NY 12946
Contact: Ryan Fisher, P.E., 518-524-7885, ryan@fishercivil.com

1.2. Project Description

The parcel being subdivided is approximately 98 acres. The lots are accessed from Cobble Creek Road and from an existing gravel road that bisects the property.

The total anticipated disturbances for the project are less than 5 acres and therefore in accordance with the General Permit for Stormwater Discharges (GP-0-25-001) Appendix B, Table -1, the stormwater plan is only required to include Erosion and Sediment Control measures and post construction stormwater measures are not required.

The soils at the site were investigated for the design of the onsite wastewater treatment systems. The soils in the areas of proposed disturbances were very uniform across the lots

and included 4-in to 8-in topsoil layer underlain by 24-in of loamy fine sand and then fine sand at lower depths. The soils are well drained and are classified as Hydrological Soils Group "B". The percolation rate of the soils ranged from 3 min/in to 5 min/in. The USDA soils maps are included in Appendix A.

1.3. Historic Places and Archeological Resources

The project is under SEQRA review through the Town planning process. The screening for historic places and archeological resources will be determined at the completion of that process.

2. EROSION AND SEDIMENT CONTROL PLAN

2.1. Technical Standards

This Erosion and Sedimentation Control Plan was prepared using the guidance documents suggested by the NYSDEC. These documents include the "*New York Standards and Specifications for Erosion and Sediment Control*", 2016, published by the NYSDEC and the "*New York State Stormwater Management Design Manual*", 2024, published by NYSDEC.

2.2. Plans and Drawings

The plans for Erosion and Sedimentation Control are included in the drawings in the Appendix. The erosion control measures should be employed by individual lot owners, if and when they conduct activities that would include soils disturbances such as driveway construction and home building.

2.3. Construction Sequence

The typical construction sequence for development of a lot in this subdivision is listed below:

1. Staking of proposed improvements on the lot. This would include staking of the alignment of a driveway if not already present, staking of the building location and septic system area. The setbacks for the building and septic system should be verified with the subdivision map.
2. Silt fencing should be installed around the downhill perimeter area of proposed disturbance for the building area. Silt fencing may also need to be installed along the driveway in areas where cut and fill will be needed for construction of the driveway.
3. Tree clearing, grading and excavation can proceed after the erosion control measures are in place.
4. Disturbed areas shall be mulched and reseeded within 2 weeks of final grading activities. Silt fencing shall be placed around any soil stockpiles on the property.
5. Erosion control measures shall not be removed until the site has been stabilized by permanent erosion control measures and the perineal vegetation has been established to an 80% density on all disturbed areas.
6. Removal of all temporary erosion control measures after achieving final stabilization.

2.4. Control Measures

Various control measures will be used for minimizing disturbances, controlling runoff and stabilizing disturbed areas. The specific locations are indicated on the attached plans and can vary based on field conditions.

1. **Silt Fencing**. Silt fencing should be installed as shown on the drawings to minimize the possibility of sediment transport from unstabilized disturbed areas. The silt fence shall be maintained until the site has reached final stabilization.

2. **Mulching & Seeding.** Mulching and seeding should be performed on any disturbed areas following completion of grading.

3. **Rock Check Dams.** Rock check dams should be utilized on swales along driveways where stormwater can concentrate and cause erosion of the swales.

4. **Water Bars.** Water bars should be utilized on driveways or parking areas to collected concentrated runoff and divert the flow into the adjacent forested buffer zones. The water bars should be located at a maximum spacing of 75-ft apart. Flow collected in the water bars should be directed to a flow spreader diffuser.

2.5. Pollution Prevention

The home owners and contractors shall maintain a clean and orderly site by requiring proper storage of materials. Any new or used materials that pose a pollution threat should be stored in areas with diversion swales to reduce overland flow through the area. Such materials should be covered with plastic or tarps prior to any predicted rainfall. Additional silt fencing will be installed on the downhill slope of any storage area posing a pollution threat. Drip pans should be placed underneath the fuel connections if any vehicle fueling is done on the site. Contractors working on the site with concrete will be required to provide and use concrete washout stations.

2.6. Maintenance Schedule

The home owner and contractors shall perform routine visual inspections routinely and after any rainfall event of 1/2-inch or more. If any erosion or sediment control device is in need of attention, the home owner or contractor shall repair deficiencies promptly. An inspection form is provided in the Appendix to record inspection and corrective action activities. The typical control measures requiring maintenance are:

- Silt Fences: Check toe of silt fences for washout and repair if needed. Remove sediment building up behind the fences.

- Mulching and Seeding: Check that the mulching and seeding have covered the area uniformly. Any observed bare spots should be mulched or reseeded.

- Rock Check Dams: Sediment buildup behind check dams shall be removed. The check dam should be rebuilt if stormwater has washed around or washed out a portion of the dam.

- Water Bars: Verify that the height and integrity of the water bars is intact and has not eroded. Rebuild as necessary.

2.7. Monitoring and Inspection

The Owner / Operator is responsible for maintaining the stormwater control measures at all times during the construction of the project until final stabilization has been achieved. The Contractor should routinely inspect the control measures and provide maintenance on the structures to maintain their effectiveness. An inspection checklist included in the Appendix.

3. POST-CONSTRUCTION STORMWATER MEASURES

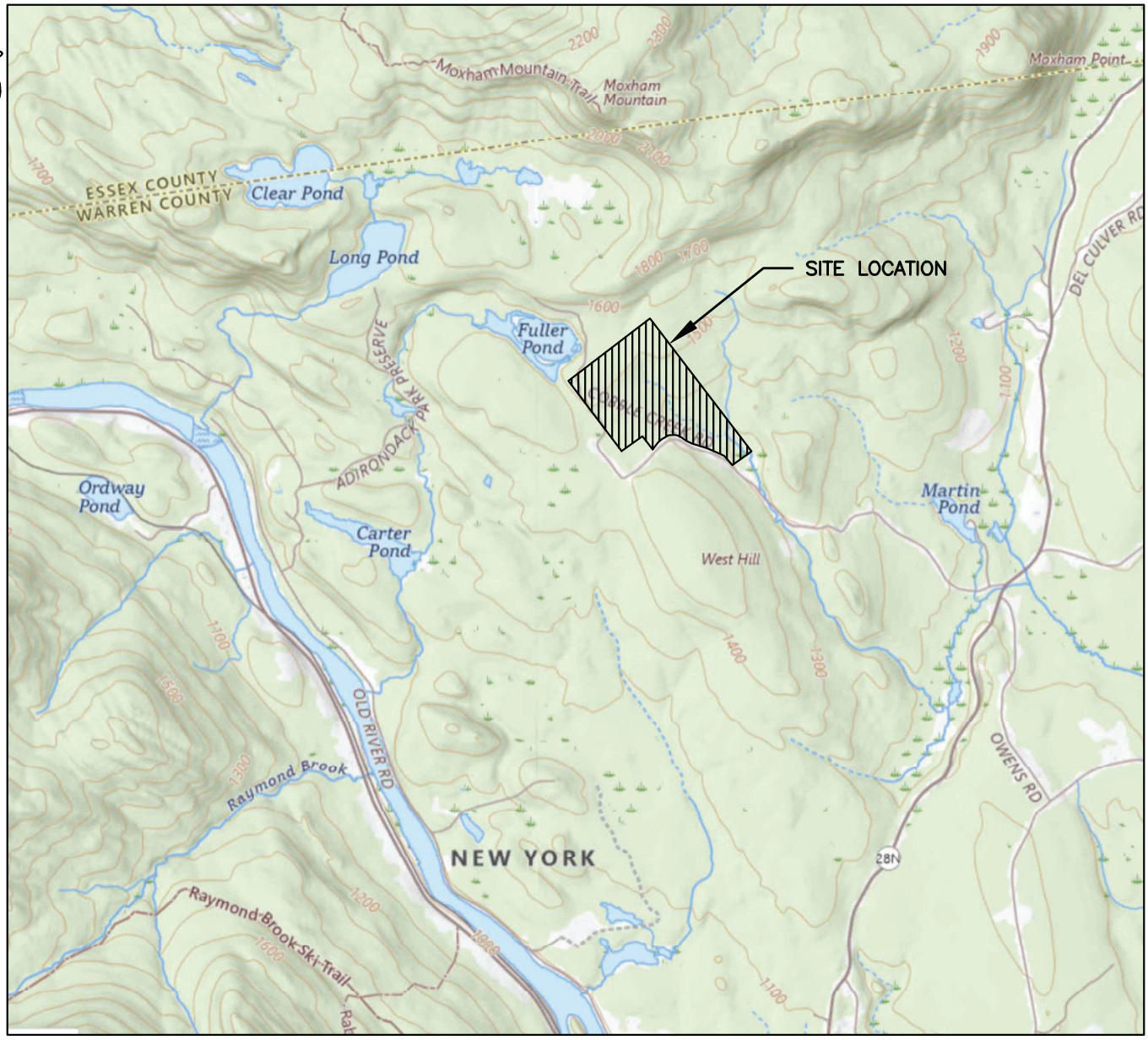
3.1. Total Disturbances

The total anticipated disturbances for the project are 3.06 acres which is under the 5 acre limit and therefor in accordance with the General Permit for Stormwater Discharges (GP-0-25-001) Appendix B, Table -1, the stormwater plan is only required to include Erosion and Sediment Control measures and post construction stormwater measures are not required.

TABLE 1 – Anticipated Lot Disturbances

Lot	Disturbed Area
1	0.83 ac
2	0.65 ac
3, site 1	0.47 ac
3, site 2	0.55 ac
4	0.56 ac
Total	**3.06 ac**

FIGURES



BASE MAP: USGS NATIONAL MAP

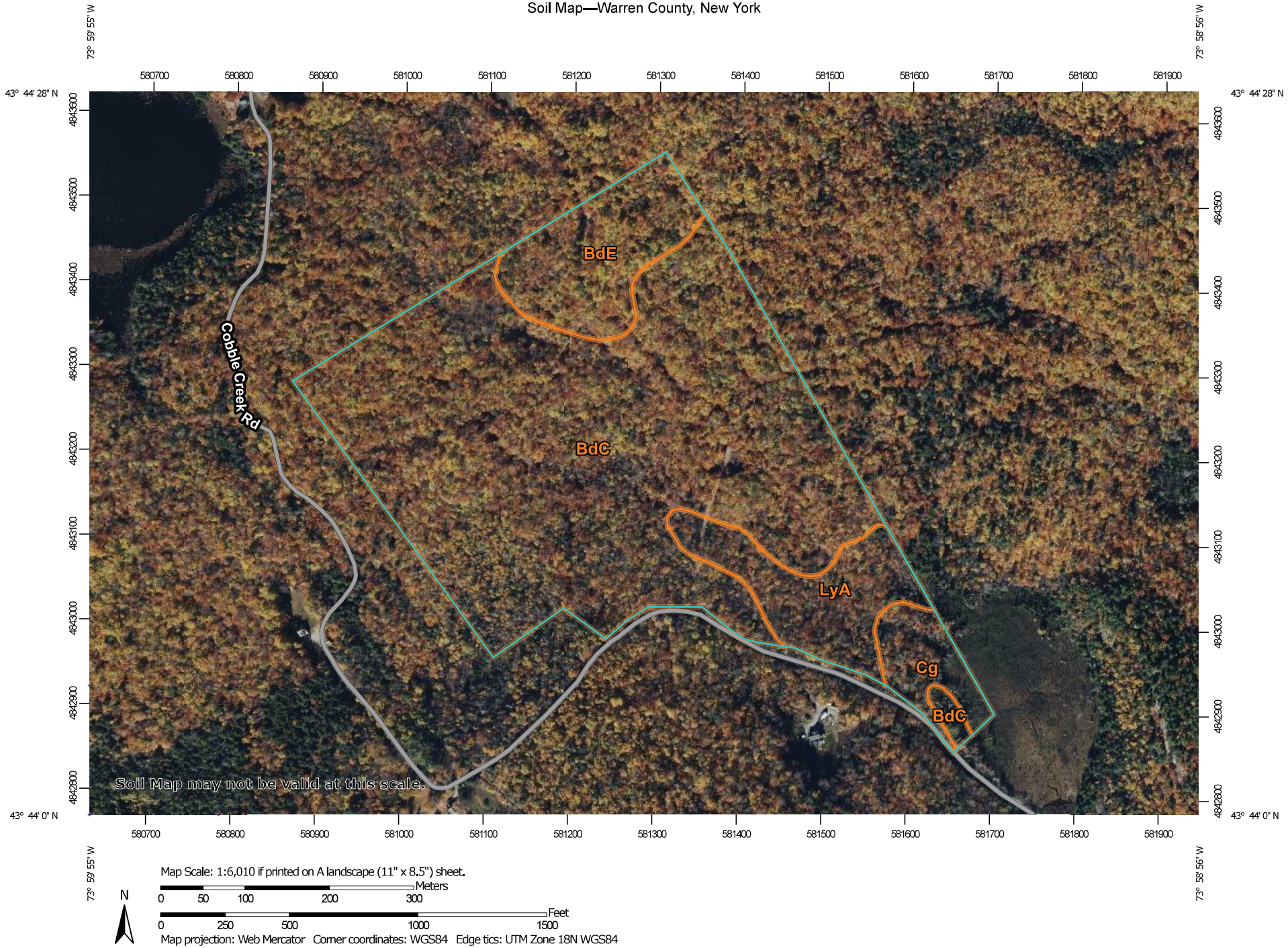
LOCATION MAP

SCALE: 1" = 3,000'

FIGURE 1 -LOCATION MAP	
CHESTER / COBBLE CREEK RD SUBDIVISION	
FISHER CIVIL ENGINEERING	
JOB NO: 48.29	8/22/2025

APPENDIX – A

SOILS MAP



Map Scale: 1:6,010 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 50 100 200 300

Feet
0 250 500 1000 1500

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND

Area of Interest (AOI)

- Area of Interest (AOI)

Soils

- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features

- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features

- Streams and Canals

Transportation

- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background

- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Warren County, New York
Survey Area Data: Version 24, Aug 29, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Sep 9, 2022—Oct 22, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BdC	Bice very bouldery fine sandy loam, sloping	50.0	75.3%
BdE	Bice very bouldery fine sandy loam, steep	7.2	10.8%
Cg	Cathro and Greenwood mucks	2.9	4.4%
LyA	Lyme very stony fine sandy loam, nearly level	6.4	9.6%
Totals for Area of Interest		**66.5**	**100.0%**

Warren County, New York

BdC—Bice very bouldery fine sandy loam, sloping

Map Unit Setting

National map unit symbol: 9xw2
Elevation: 800 to 1,800 feet
Mean annual precipitation: 40 to 50 inches
Mean annual air temperature: 41 to 45 degrees F
Frost-free period: 100 to 130 days
Farmland classification: Not prime farmland

Map Unit Composition

Bice and similar soils: 70 percent
Minor components: 30 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Bice

Setting

Landform: Till plains, ridges, hills
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Crest
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy till derived mainly from granite and gneiss with variable components of sandstone and shale

Typical profile

Oe - 0 to 2 inches: moderately decomposed plant material
H2 - 2 to 5 inches: fine sandy loam
H3 - 5 to 24 inches: fine sandy loam
H4 - 24 to 60 inches: fine sandy loam

Properties and qualities

Slope: 8 to 15 percent
Surface area covered with cobbles, stones or boulders: 1.6 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 1.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Available water supply, 0 to 60 inches: Moderate (about 7.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6s
Hydrologic Soil Group: B

Ecological site: F143XY501ME - Loamy Slope
Hydric soil rating: No

Minor Components

Schroon
Percent of map unit: 5 percent
Hydric soil rating: No

Lyme
Percent of map unit: 5 percent
Landform: Depressions
Hydric soil rating: Yes

Stowe
Percent of map unit: 4 percent
Hydric soil rating: No

Plainfield
Percent of map unit: 4 percent
Hydric soil rating: No

Hinckley
Percent of map unit: 4 percent
Hydric soil rating: No

Woodstock
Percent of map unit: 4 percent
Hydric soil rating: No

Unnamed soils
Percent of map unit: 4 percent
Hydric soil rating: No

Data Source Information

Soil Survey Area: Warren County, New York
Survey Area Data: Version 24, Aug 29, 2024

APPENDIX – B

CERTIFICATIONS

SWPPP Preparer Certification Form

SPDES General Permit for Stormwater Discharges from Construction Activity, GP-0-25-001 (CGP)

(In accordance with CGP Part I.D.2.b., the completed form must be attached to the eNOI and submitted to NYSDEC electronically.)

Project/Site Name:	Chester / Cobble Creek Subdivision
eNOI Submission ID:	
Owner/Operator Name:	Christmas Associates

Certification Statement – SWPPP Preparer

I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) has been prepared in accordance with the requirements of GP-0-25-001. I certify under penalty of law that the SWPPP and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Ryan		Fisher
SWPPP Preparer First Name	MI	SWPPP Preparer Last Name

	8-22-2025
Signature	Date

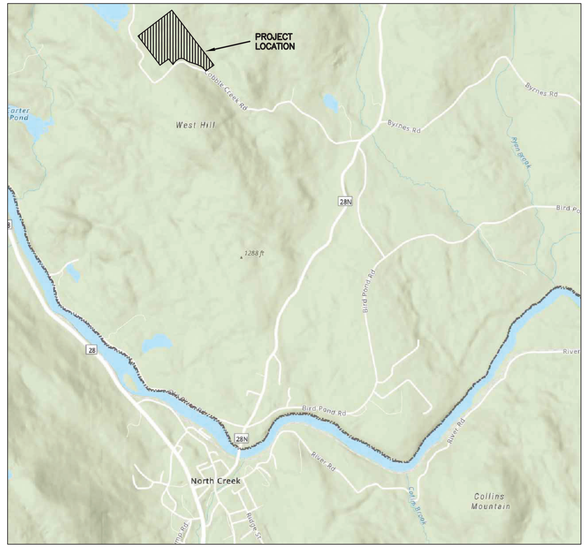
Revised: January 2025

APPENDIX – C

DRAWINGS

OVERALL SITE PLAN

FULL SCALE: 1" = 200'



LOCATION MAP

N.T.S

DRAWING LIST

SHEET 1 - COVER
SHEET 2 - SITE PLANS - LOTS 1 & 2
SHEET 3 - SITE PLANS - LOTS 3 & 4
SHEET 4 - SITE PLANS - LOT 3
SHEET 5 - SEPTIC SYSTEM DETAILS
SHEET 6 - EROSION & SEDIMENT CONTROL PLAN

STATE OF NEW YORK
RYAN C. FISHER
81701
LICENSED PROFESSIONAL ENGINEER

200 0 200 400
SCALE: 1"=200'

CHRISTMAS & ASSOCIATES, INC.
23 MAIN ST
CAMDEN, NY 13316
(315) 245-5761

FISHER CIVIL ENGINEERING
WATER
WASTEWATER
ENVIRONMENTAL
SITE & INFRASTRUCTURE
LAKE PLACID, NY
518-524-7885

DESIGNED BY: RCF
DATE: 9-12-2025
REV-1: 1-19-2026
REV-2: 2-7-2026

CHESTER/COBBLE CREEK RD SUBDIVISION

TOWN OF CHESTER, WARREN COUNTY, NY
TAX PARCEL: 32.-1-47.1

COVER SHEET

JOB NO: 48.29

SHEET 1 OF 6

SITE PLAN

SCALE: 1" = 30'

LEGEND

- 1450 —— —— EXISTING CONTOURS
- PROPERTY BOUNDARY
- BUILDING ENVELOPE
- AREA OF CLEARING
- Ⓦ PROPOSED WELL LOCATION
- SEPTIC SYSTEM ADSORPTION FIELD
- SEPTIC SYSTEM 100% REPLACEMENT AREA
- DEEP HOLE TEST
- PERCOLATION TEST

NOTES

1. ADSORPTION AREAS ARE SHOWN WITH 4-BEDROOM SIZING AND 100% RESERVE AREAS. REFER TO SHEET 5 FOR SEPTIC SYSTEM DETAILS.
2. REFER TO SHEET 6 FOR DETAILS ON EROSION AND SEDIMENT CONTROL MEASURES.
3. LOCATIONS OF TEST HOLE AND PERC TEST ARE APPROXIMATE.

STATE OF NEW YORK · RYAN C. FISHER · 81701 · LICENSED PROFESSIONAL ENGINEER

30 0 30 60
SCALE: 1"=30'

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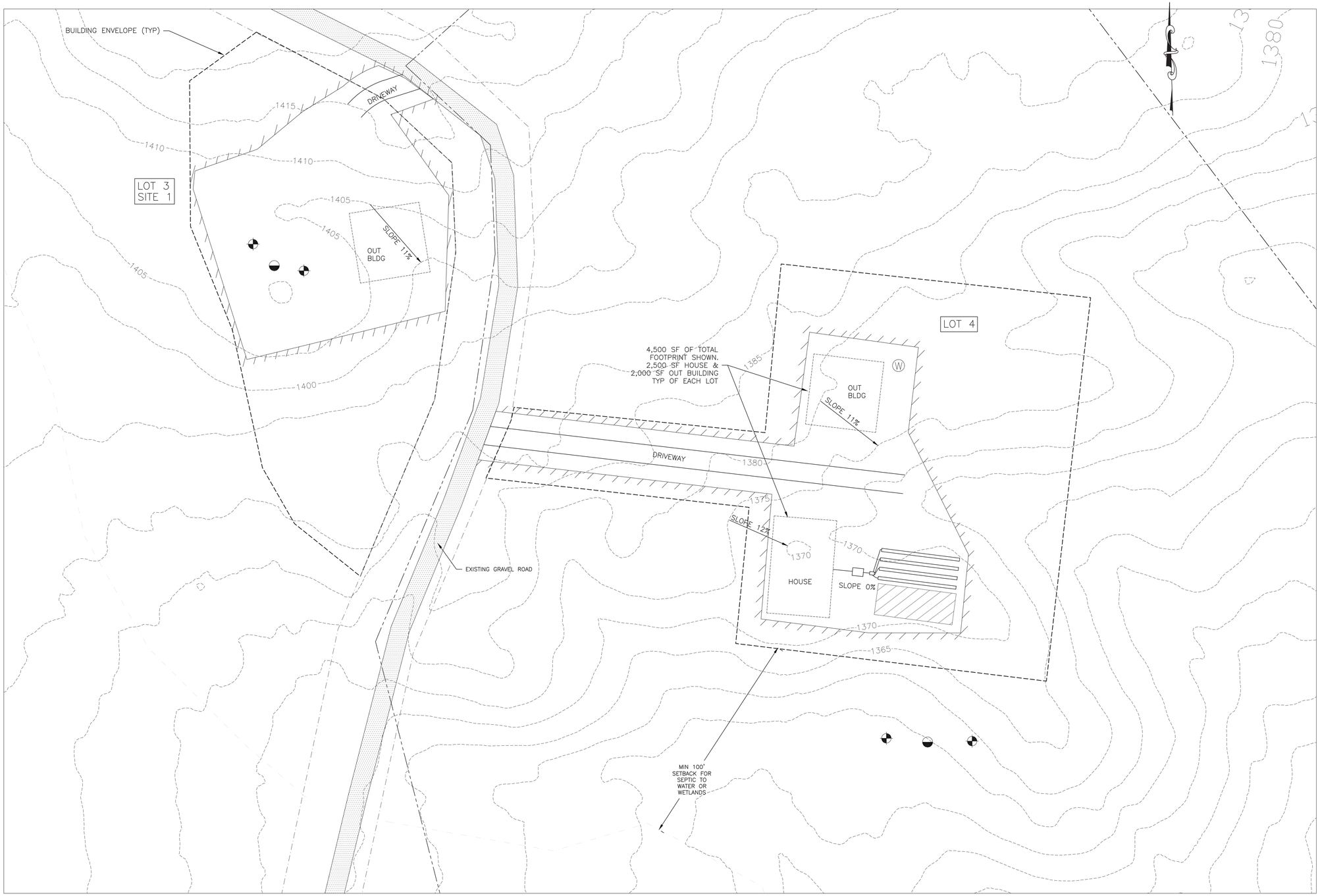
CHESTER/COBBLE CREEK RD SUBDIVISION
TOWN OF CHESTER, WARREN COUNTY, NY
TAX PARCEL: 32.-1-47.1

SITE PLAN
LOT 1 & 2

JOB NO: 48.29 | SHEET 2 OF 6



NOTES

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SITE PLAN

SCALE: 1" = 30'

30 0 30 60

SCALE: 1"=30'

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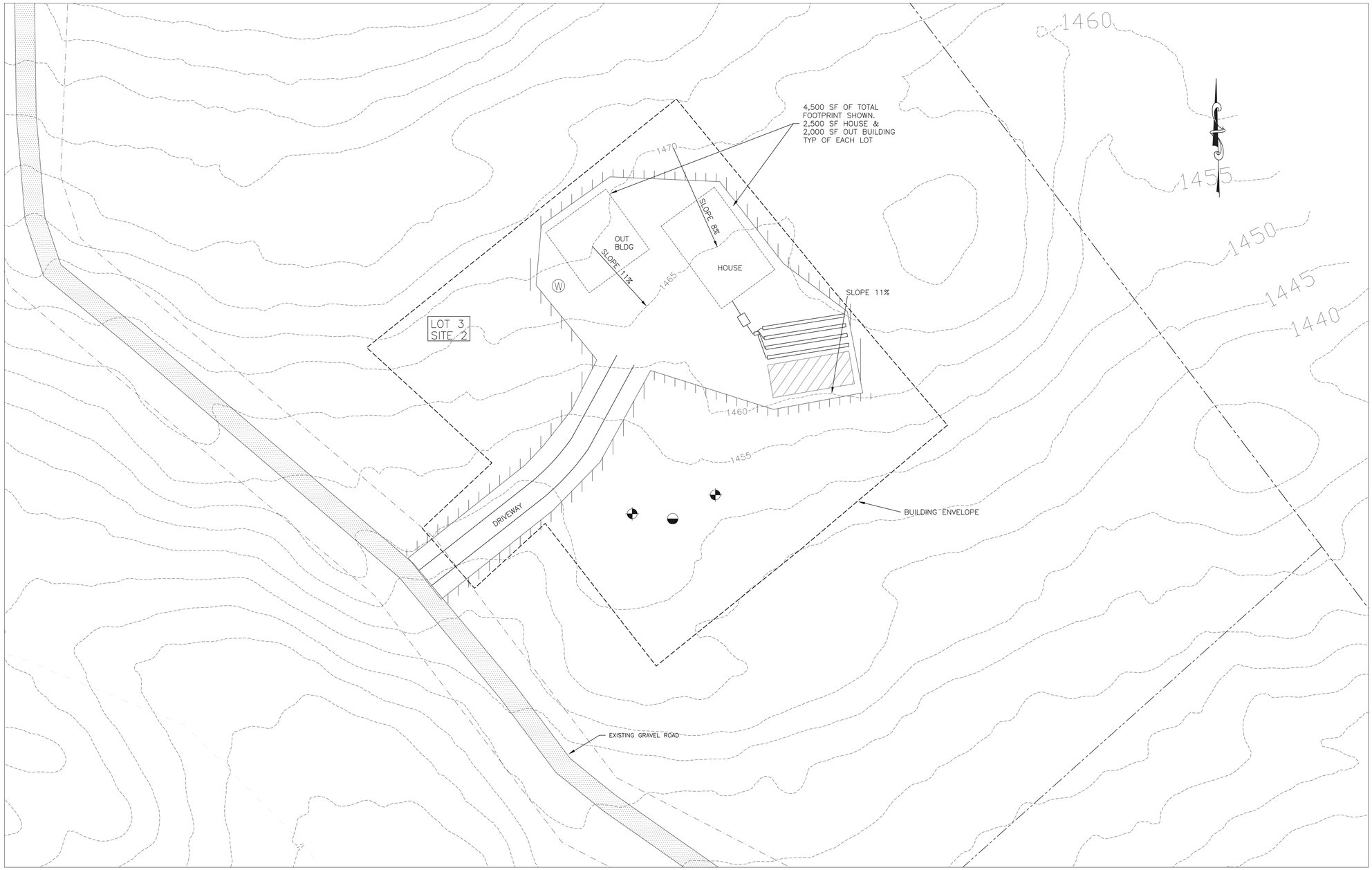
DESIGNED BY:	RCF
DATE:	9–12–2025
REV–1:	10–2–2025
REV–2:	1–19–2026
REV–3:	2–7–2026

CHESTER/COBBLE CREEK RD SUBDIVISION

TOWN OF CHESTER, WARREN COUNTY, NY
TAX PARCEL: 32.-1-47.1

SITE PLAN
LOT 3 & 4

JOB NO: 48.29 | SHEET 3 OF 6



SITE PLAN

SCALE: 1" = 30'

LEGEND

- EXISTING CONTOURS
- PROPERTY BOUNDARY
- BUILDING ENVELOPE
- AREA OF CLEARING
- PROPOSED WELL LOCATION
- SEPTIC SYSTEM ADSORPTION FIELD
- SEPTIC SYSTEM 100% REPLACEMENT AREA
- DEEP HOLE TEST
- PERCOLATION TEST

NOTES

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3. LOCATIONS OF TEST HOLE AND PERC TEST ARE APPROXIMATE.

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SCALE: 1"=30'

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REV 1: 1-19-2026

CHESTER/COBBLE CREEK RD SUBDIVISION

TOWN OF CHESTER, WARREN COUNTY, NY
TAX PARCEL: 32.-1-47.1

SITE PLAN
LOT 3

JOB NO: 48.29 | SHEET 4 OF 6

*ADSORPTION SYSTEM SIZING**					
LOT	SYSTEM TYPE**	PERC. RATE (MIN/IN)	TRENCH LENGTH 2-BEDROOM	TRENCH LENGTH 3-BEDROOM	TRENCH LENGTH 4-BEDROOM
1	CONVENTIONAL SYSTEM	5	100 L.F.	150 L.F.	200 L.F.
2	CONVENTIONAL SYSTEM	5	100 L.F.	150 L.F.	200 L.F.
3-SITE 2	CONVENTIONAL SYSTEM	5	100 L.F.	150 L.F.	200 L.F.
4	CONVENTIONAL SYSTEM	5	100 L.F.	150 L.F.	200 L.F.

* SIZING BASED ON NEW CONSTRUCTION AND 110 GPD PER BEDROOM
** REFER TO ADSORPTION FIELD DESIGN DETAILS THIS SHEET

ON-SITE WASTEWATER TREATMENT SYSTEM SIZING

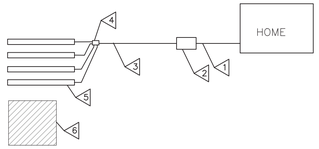
SEPTIC TANK SIZING	
NUMBER OF BEDROOMS	MIN. CAPACITY* (GALLONS)
1, 2, 3 BEDROOMS	1,000
4 BEDROOMS	1,250

* ADD AN ADDITIONAL 250 GALLON OF CAPACITY IF GARBAGE GRINDER INSTALLED IN RESIDENCE.

SYSTEM DESIGN
(DESIGN MINIMUM VALUES PER APPENDIX 75.A)

FLOW = 110 GPD/BEDROOM (NEW FIXTURES)
DESIGN FLOW (GPD) = 220/330/440 (2/3/4 BEDROOM)

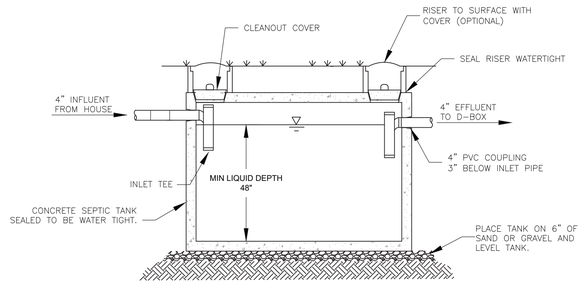
PERC RATE 1-5 MIN/IN
MIN LATERAL LENGTH = 92/138/184 LF (2/3/4 BEDROOM)
PROVIDED LATERAL LENGTH = 100 /150/200 LF (2/3/4 BEDROOM)



MATERIAL KEY

1. 4" DIAMETER PVC SCHEDULE 40 OR ASTM D3034 SCHEDULE 26 PIPE. MINIMUM SLOPE 1/4" PER FOOT.
2. SEPTIC TANK
3. 4" DIAMETER PVC ASTM D3034 SCH 26 PIPE MINIMUM 1/8" PER FOOT SLOPE.
4. CONCRETE DISTRIBUTION BOX. SEE DETAIL THIS SHEET
5. ADSORPTION FIELD LATERALS.
6. 100% RESERVE AREA.

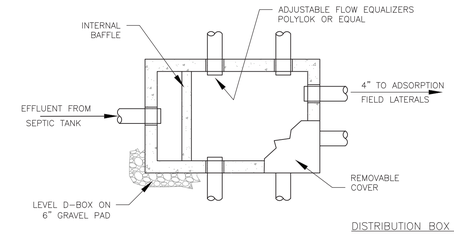
TYPICAL SEPTIC SYSTEM LAYOUT



SEPTIC TANK - DETAIL
NOT TO SCALE

SEPTIC TANK NOTES

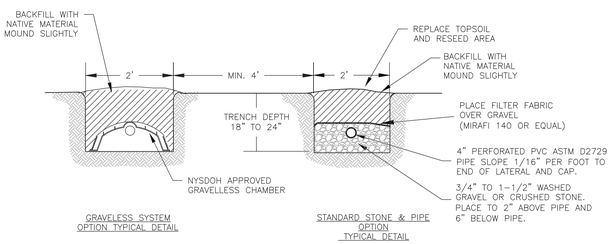
1. SEPTIC TANK TO CONFORM TO APPENDIX 75A SECTION A.6.
2. MIN DIST. FROM INLET TO OUTLET = 6-FT.
3. DESIGN LOAD = 300 PSF. CONCRETE TO HAVE MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2,500 PSI.
4. MIN DROP FROM INLET TO OUTLET = 2"
5. INLET AND OUTLET TEE/ BAFFLE TO EXTEND MIN 12" BELOW LIQUID LEVEL.



DISTRIBUTION BOX - PLAN VIEW
NOT TO SCALE

DISTRIBUTION BOX NOTES:

1. DISTRIBUTION BOX TO CONFORM TO APPENDIX 75A SECTION A.7.
2. DISTRIBUTION BOX TO BE CONCRETE WITH MIN 28-DAY COMPRESSIVE STRENGTH OF 2,500 PSI.



CONVENTIONAL ADSORPTION TRENCH DETAIL
NOT TO SCALE

DEEP HOLE TEST
(6/27/25)

TEST HOLE #1
0" - 7" TOP SOIL
7" - 48" BROWN GRAVELY SANDY LOAM
48"- 84" GREY GRAVELY SANDY LOAM
NO GROUNDWATER OR MOTTLING OBSERVED

TEST HOLE #2
0" - 6" TOP SOIL
6" - 50" BROWN GRAVELY SANDY LOAM
50"- 84" GREY DENSE SANDY LOAM
NO GROUNDWATER OR MOTTLING OBSERVED

TEST HOLE #3, SITE 1
0" - 6" TOP SOIL
6" - 33" DARK BROWN SANDY LOAM
33"- 84" BROWN FINE SAND
NO GROUNDWATER OR MOTTLING OBSERVED

TEST HOLE #3, SITE 2
0" - 6" TOP SOIL
6" - 27" DARK BROWN LOAMY SAND
27"- 84" BROWN FINE SAND
NO GROUNDWATER OR MOTTLING OBSERVED

TEST HOLE #4
0" - 8" TOP SOIL
8" - 27" BROWN GRAVELY SANDY LOAM
27"- 84" BROWN FINE SAND
NO GROUNDWATER OR MOTTLING OBSERVED

PERC TESTS
(6/27/25)

PERC TEST A LOT 1
PERC. RATE = 5 MIN/IN.
0" - 4" TOP SOIL
4" - 24" BROWN SANDY LOAM

PERC TEST B LOT 1
PERC. RATE = 5 MIN/IN.
0" - 6" TOP SOIL
6" - 24" BROWN SANDY LOAM

PERC TEST A LOT 2
PERC. RATE = 4 MIN/IN.
0" - 4" TOP SOIL
4" - 24" DARK BROWN SANDY LOAM

PERC TEST B LOT 2
PERC. RATE = 5 MIN/IN.
0" - 6" TOP SOIL
6" - 24" DARK BROWN SANDY LOAM

PERC TEST A LOT 3 SITE 1
PERC. RATE = 3 MIN/IN.
0" - 4" TOP SOIL
4" - 24" DARK BROWN SANDY LOAM

PERC TEST B LOT 3 SITE 1
PERC. RATE = 2 MIN/IN.
0" - 6" TOP SOIL.
6" - 24" BROWN SANDY LOAM

PERC TEST A LOT 3 SITE 2
PERC. RATE = 5 MIN/IN.
0" - 4" TOP SOIL
4" - 24" BROWN SANDY LOAM

PERC TEST B LOT 3-SITE 2
PERC. RATE = 5 MIN/IN.
0" - 6" TOP SOIL
6" - 24" BROWN SANDY LOAM

PERC TEST A LOT 4
PERC. RATE = 4 MIN/IN.
0" - 4" TOP SOIL
4" - 24" DARK BROWN SANDY LOAM

PERC TEST B LOT 4
PERC. RATE = 5 MIN/IN.
0" - 6" TOP SOIL
6" - 24" DARK BROWN SANDY LOAM

SOILS INVESTIGATION

SEPARATION DISTANCES FROM WASTEWATER SYSTEM COMPONENTS (IN FEET)				
System Components	Well or Suction Line (e)(g)	To Stream, Lake, watercourse (b), or Wetland	Dwelling	Property Line
House sewer (watertight joints)	25 if cast iron sewer pipe, 50 otherwise	25	3	10
Septic tank or watertight ETU	50	50	10	10
Effluent line to distribution box	50	50	10	10
Distribution box	100	100	20	10
Absorption field (c)(d)	100 (a)	100	20	10
Seepage pit(d)	150 (a)	100	20	10
Raised or Mound system (c)(d)	100 (a)	100	20	10
Intermittent Sand Filter (d)	100 (a)(f)	100 (f)	20	10
Non-Waterborne Systems with offsite residual disposal	50	50	20	10
Non-Waterborne Systems with onsite discharge	100	50	20	10

NOTES:
(a) When wastewater treatment systems are located upgrade and in the direct path of surface water drainage to a well, the closest part of the treatment system shall be at least 200 feet away from the well.

(b) Mean high water mark.

(c) For all systems involving the placement of fill material, separation distances are measured from the toe of the slope of the fill.

(d) Separation distances shall also be measured from the edge of the designated additional usable area as described in Section 75-A.4 (a)(5).

(e) The closest part of the wastewater treatment system shall be located at least 10 feet from any water service line (e.g. public water supply main, public water service line or residential well water service line).

(f) When sand filters are designed to be watertight and collect all effluent, the separation distance can be reduced to 50 feet.

(g) The listed water well separation distances from contaminant sources shall be increased by 50% whenever aquifer water enters the water well at less than 50-feet below grade. If a 50% increase cannot be achieved, then the greatest possible increase in separation distance shall be provided with such additional measures as needed to prevent contamination.

SETBACK DISTANCES
(NYSDOH APPENDIX 75-A TABLE 2)

CHRISTMAS & ASSOCIATES, INC.
23 MAIN ST
CAMDEN, NY 13316
(315) 245-5761

FISHER CIVIL ENGINEERING
WATER
WASTEWATER
ENVIRONMENTAL
SITE & INFRASTRUCTURE
LAKE PLACID, NY
518-524-7885

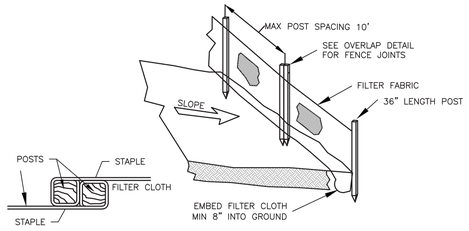
DESIGNED BY: RCF
DATE: 9-12-2025
REV 1: 1-19-2026
REV 2: 2-7-2026

CHESTER/COBBLE CREEK RD SUBDIVISION

TOWN OF CHESTER, WARREN COUNTY, NY
TAX PARCEL: 32.-1-47.1

SEPTIC SYSTEM DETAILS

JOB NO: 48.29 | SHEET 5 OF 6



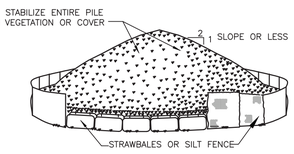
OVERLAP DETAIL

SECTION VIEW

CONSTRUCTION SPECIFICATIONS

1. SILT FENCE FABRIC SHALL BE MIRAFI 100X, AMACO PROPEX 2130, OR EQUAL.
2. FENCE POSTS SHALL BE 2X2 HARDWOOD POSTS 36" LONG.
3. SILT FENCES SHALL BE PLACED PARALLEL TO CONTOURS
4. THE TOE OF THE FENCE FABRIC SHALL BE DUG INTO THE GROUND A MINIMUM OF 8" TO PREVENT SEDIMENT FROM WASHING UNDER THE FENCE.
5. SILT FENCE SHALL BE MAINTAINED TO PREVENT BULGING OR WASHOUTS.

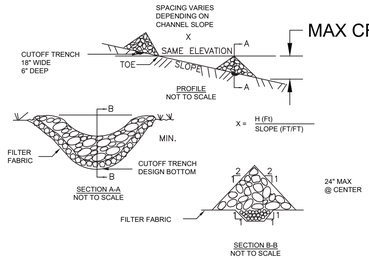
SILT FENCE DETAIL | SF SYMBOL



CONSTRUCTION SPECIFICATIONS

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.

SOIL STOCKPILING DETAIL

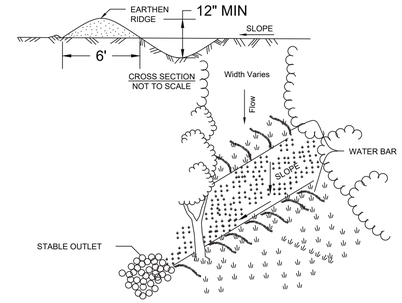


CONSTRUCTION SPECIFICATIONS

1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE.

MAXIMUM DRAINAGE AREA 2 ACRES.

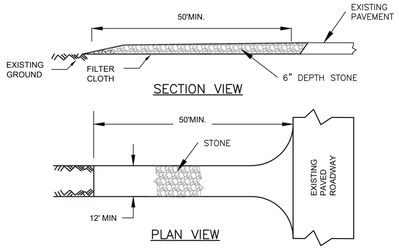
ROCK CHEK DAM | SYMBOL



CONSTRUCTION SPECIFICATIONS

1. INSTALL THE WATER BAR AS SOON AS THE RIGHT OF WAY IS CLEARED AND GRADED.
2. DISK OR STRIP THE SOD FROM THE BASE FOR THE CONSTRUCTED RIDGE BEFORE PLACING FILL.
3. TRACK THE RIDGE TO COMPACT IT TO THE DESIGN CROSS SECTION.
4. THE OUTLET SHALL BE LOCATED ON AN UNDISTURBED AREA. FIELD SPACING WILL BE ADJUSTED TO USE THE MOST STABLE OUTLET AREAS. OUTLET PROTECTION WILL BE PROVIDED WHEN NATURAL AREAS ARE NOT ADEQUATE.
5. VEHICLE CROSSING SHALL BE STABILIZED WITH GRAVEL. EXPOSED AREAS SHALL BE SEEDED AND MULCHED WITHIN 2 DAYS.
6. PERIODICALLY INSPECT WATER BARS FOR EROSION DAMAGE AND SEDIMENT. CHECK OUTLET AREAS AND MAKE REPAIRS AS NEEDED TO RESTORE OPERATION.

WATER BARS | WB SYMBOL



SECTION VIEW

PLAN VIEW

CONSTRUCTION SPECIFICATIONS

1. STONE SIZE – USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. 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.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. 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 TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

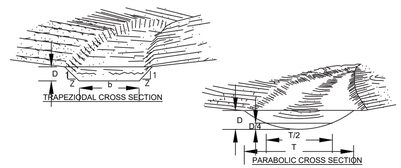
CONSTRUCTION ENTRANCE DETAIL | SYMBOL

AREA	DESC.	SEASON	SEEDING MIXTURE PERMANENT	SEEDING MIXTURE TEMPORARY
1	STEEP SLOPES (3:1), LOW MAINTENANCE	SUMMER OR EARLY FALL	CREEPING RED FESCUE 20 LB/AC TALL FESCUE 20 LB/AC PERENNIAL RYEGRASS 5LB/AC	RYE GRASS 30 LB/AC
		LATE FALL OR EARLY WINTER		WINTER RYE AT 100 LB/AC
2	GRASSED CHANNELS WITH (3:1) SLOPES	ALL	KENTUCKY BLUEGRASS 25 LB/AC CREEPING RED FESCUE 20/AC PERENNIAL RYE GRASS 10 LB/AC	
3	LOW-MAINTENANCE AREAS	ALL	CREEPING RED FESCUE 20 LB/AC TALL FESCUE 20 LB/AC PERENNIAL RYEGRASS 5 LB/AC BIRDSFOOT TREFOIL 100 LB/FT	

SPECIFICATIONS FOR MULCHING & SEEDING

TYPE OF SOIL DISTURBANCE	SOIL RESTORATION REQUIREMENT
NO SOIL DISTURBANCE	RESTORATION NOT REQUIRED
MINIMAL SOIL DISTURBANCE	RESTORATION NOT REQUIRED
AREAS WHERE TOPSOIL STRIPPED, NO GRADING PERFORMED	APPLY 6" OF TOPSOIL
AREAS OF CUT AND FILL GRADING	AERATE AND APPLY 6" OF TOPSOIL
HEAVY TRAFFIC AREAS AND AREAS AROUND BUILDINGS	PERFORM DEEP RIPPING, COMPOST ENHANCEMENT AND APPLY 6" TOPSOIL (REFER TO "DEEP RIPPING AND DE-COMPACTION, DEC 2008 FOR PROCEDURES)

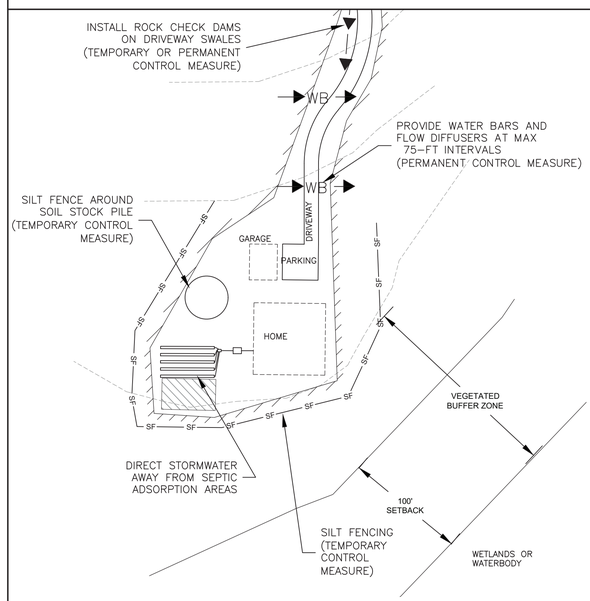
SOIL RESTORATION REQUIREMENTS



CONSTRUCTION SPECIFICATIONS

1. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE WATERWAY.
2. THE WATERWAY SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN, AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPEDE NORMAL FLOW.
3. FILLS SHALL BE COMPACTED AS NEEDED TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETE WATERWAY.
4. ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE WATERWAY.
5. STABILIZATION SHALL BE DONE ACCORDING TO THE APPROPRIATE STANDARD AND SPECIFICATIONS FOR VEGETATIVE PRACTICES.
   A. FOR DESIGN VELOCITIES OF LESS THAN 3.5 FT. PER. SEC., SEEDING AND MULCHING MAY BE USED FOR THE ESTABLISHMENT OF THE VEGETATION. IT IS RECOMMENDED THAT, WHEN CONDITIONS PERMIT, TEMPORARY WATERWAYS OR OTHER MEANS SHOULD BE USED TO PREVENT WATER FROM ENTERING THE WATERWAY DURING THE ESTABLISHMENT OF THE VEGETATION.
   B. FOR DESIGN VELOCITIES OF MORE THAN 3.5 FT. PER. SEC., THE WATERWAY SHALL BE STABILIZED WITH SOD, WITH SEEDING PROTECTED BY JUTE OR EXCELSIOR MATTING OR WITH SEEDING AND MULCHING INCLUDING TEMPORARY DIVERSION OF THE WATER UNTIL THE VEGETATION IS ESTABLISHED.
   C. STRUCTURAL – VEGETATIVE PROTECTION
   SUBSURFACE DRAIN FOR BASE FLOW SHALL BE CONSTRUCTED AS SHOWN ON THE STANDARD DRAWING AND AS SPECIFIED IN THE STANDARD AND SPECIFICATIONS FOR SUBSURFACE DRAIN.

GRASSED CHANNEL | GL SYMBOL



INDIVIDUAL LOT STORMWATER MANAGEMENT
N.T.S

EROSION & SEDIMENTATION CONTROL MEASURES

1. ALL EROSION AND SEDIMENTATION MEASURES SHALL BE INSTALLED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
2. THE EROSION AND SEDIMENTATION MEASURES SHOWN HEREIN ARE A GENERAL GUIDELINE, ADDITIONAL MEASURES MAYBE REQUIRED BY THE CONTRACTOR BASED ON FIELD CONDITIONS ENCOUNTERED OR IF DIRECTED BY THE ENGINEER.
3. DISTURBANCES SHALL BE KEPT TO A MINIMUM. GRADING SHALL BE KEPT TO THE EXISTING ROAD EXCEPT FOR THE CONSTRUCTION OF A STAGING AREA AND TURNAROUND.
4. ANY STOCKPILED SOIL SHALL BE ENCOMPASSED BY SILT FENCING UNTIL USED OR REMOVED FROM THE SITE.
5. CONTRACTOR IS RESPONSIBLE FOR INSPECTING AND REPAIRING TEMPORARY CONTROL MEASURES. AFTER FINAL STABILIZATION IS ACHIEVED THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TEMPORARY CONTROL MEASURES.

STATE OF NEW YORK · RYAN C. FISHER · 81701 · LICENSED PROFESSIONAL ENGINEER

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LAKE PLACID, NY
518-524-7885

DESIGNED BY: RCF
DATE: 9-12-2025
REV 1: 1-19-2026

CHESTER/COBBLE CREEK RD SUBDIVISION

TOWN OF CHESTER, WARREN COUNTY, NY
TAX PARCEL: 32.-1-47.1

EROSION & SEDIMENT CONTROL PLAN

JOB NO: 48.29 | SHEET 6 OF 6

APPENDIX – D

INSPECTION CHECKLIST

PRECONSTRUCTION SITE ASSESSMENT

1. Resource Protection

Yes No NA

[ ] [ ] [ ] Are construction limits clearly flagged or fenced?

[ ] [ ] [ ] Important trees and associated rooting zones, on-site septic system absorption fields, existing vegetated areas suitable for filter strips, especially in perimeter areas, have been flagged for protection.

[ ] [ ] [ ] Creek crossings installed prior to land-disturbing activity, including clearing and blasting.

2. Surface Water Protection

Yes No NA

[ ] [ ] [ ] Clean stormwater runoff has been diverted from areas to be disturbed.

[ ] [ ] [ ] Bodies of water located either on site or in the vicinity of the site have been identified and protected.

[ ] [ ] [ ] Appropriate practices to protect on-site or downstream surface water are installed.

[ ] [ ] [ ] Are clearing and grading operations divided into areas <5 acres?

3. Perimeter Sediment Controls

Yes No NA

[ ] [ ] [ ] Silt fence material and installation comply with the standard drawing and specifications.

[ ] [ ] [ ] Silt fences are installed at appropriate spacing intervals

[ ] [ ] [ ] Sediment/detention basin was installed as first land disturbing activity.

[ ] [ ] [ ] Sediment traps and barriers are installed.

CONSTRUCTION DURATION INSPECTIONS

1. Maintaining Water Quality

Yes No NA

[ ] [ ] [ ] Is there an increase in turbidity causing a substantial visible contrast to natural conditions?
[ ] [ ] [ ] Is there residue from oil and floating substances, visible oil film, or globules or grease?
[ ] [ ] [ ] All disturbance is within the limits of the approved plans.
[ ] [ ] [ ] Have receiving lake/bay, stream, and/or wetland been impacted by silt from project?

2. General Site Conditions

Yes No NA

[ ] [ ] [ ] Is construction site litter and debris appropriately managed?
[ ] [ ] [ ] Are facilities and equipment necessary for implementation of erosion and sediment control in working order and/or properly maintained?
[ ] [ ] [ ] Is construction impacting the adjacent property?
[ ] [ ] [ ] Is dust adequately controlled?

3. Silt Fence

Yes No NA

[ ] [ ] [ ] Installed around culvert excavation
[ ] [ ] [ ] Joints constructed by wrapping the two ends together for continuous support.
[ ] [ ] [ ] Fabric buried 6 inches minimum.
[ ] [ ] [ ] Posts are stable, fabric is tight and without rips or frayed areas.
Sediment accumulation is ___% of design capacity.

4. Drain Outlet Protection

Yes No NA

[ ] [ ] [ ] Installed per plan.
[ ] [ ] [ ] Installed prior to ground disturbances.

5. Revegetation

Yes No NA

[ ] [ ] [ ] Seedings and mulch have been applied to disturbed area