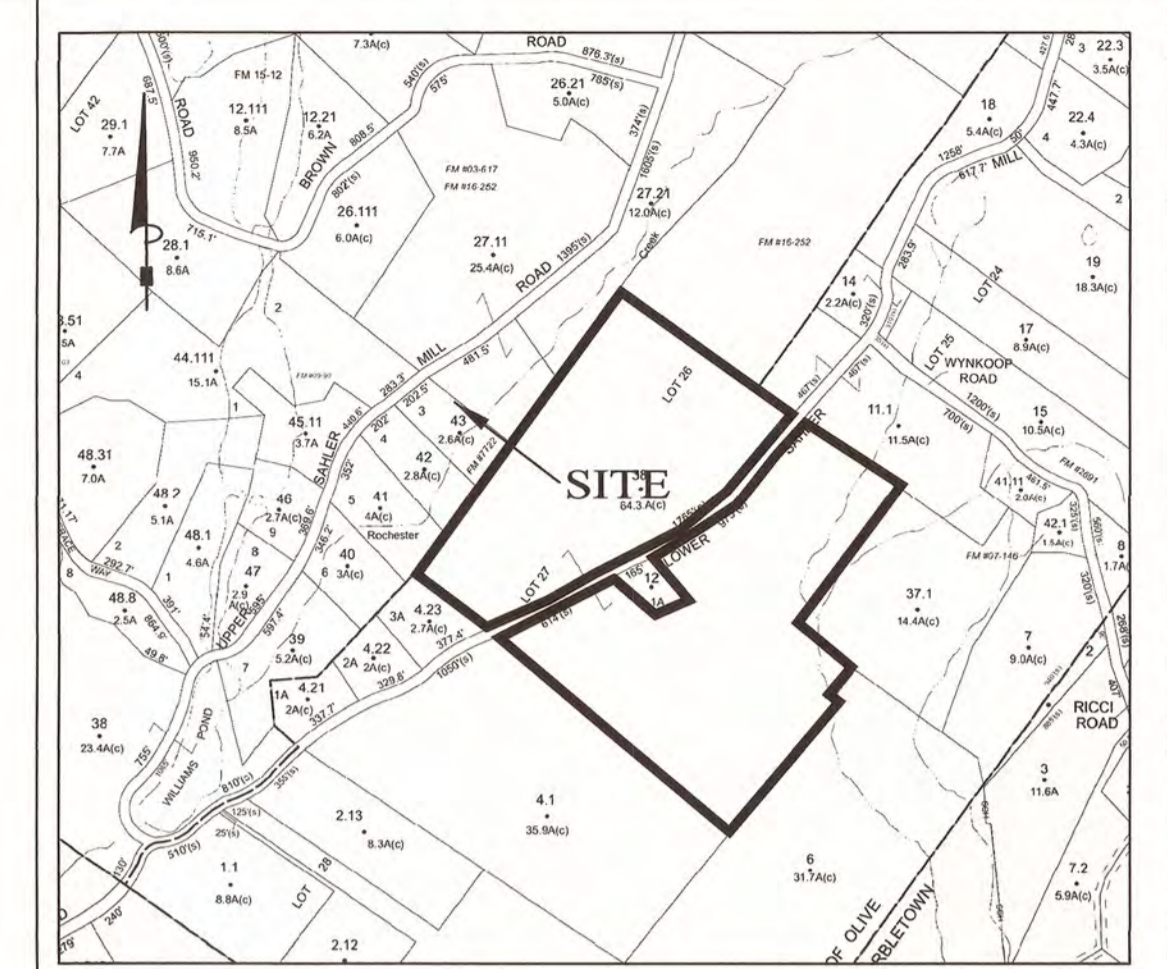


LEGEND

- PROPERTY LINE
- - - ADJACENT PROPERTY LINE
- - - YARD SETBACK
- - - RIGHT OF WAY
- - - DRIVEWAY & ROAD-ASPHALT
- - - DRIVEWAY & ROAD-GRAVEL
- - - FENCE-WIRE
- - - STONEWALL
- - - SILT FENCE
- - - LIMIT OF DISTURBANCE
- - - UTILITY LINE & POLE
- - - 10 FOOT CONTOUR - EXIST
- - - 2 FOOT CONTOUR - EXIST
- - - 10 FOOT CONTOUR - PROPOSED
- - - 2 FOOT CONTOUR - PROPOSED
- - - STREAM/POND/DITCH
- - - TREE LINE
- - - WETLANDS ADJACENT AREA
- - - WETLANDS
- - - FLOOD BOUNDARY - 100 YR
- ▨ PROPOSED BUILDING
- EXISTING BUILDING
- SEPTIC DISPOSAL AREA
- - - CULVERT, EXIST
- - - CULVERT, PROPOSED
- ▲ CHECK DAM, PROPOSED



LOCATION MAP: T/o Olive Tax Map, Section 60.2

ZONING REQUIREMENTS

FOR TOWN OF OLIVE ZONE: R/E-1A

| REQUIRED | |
|-------------------------|---------|
| MINIMUM LOT AREA | 1 ACRE |
| MINIMUM LOT WIDTH | 125 FT. |
| MINIMUM LOT DEPTH | 150 FT. |
| MINIMUM YARD SETBACKS | |
| FRONT | 50 FT. |
| SIDE | 25 FT. |
| REAR | 50 FT. |
| MAXIMUM BUILDING HEIGHT | 35 FT. |
| MAXIMUM LOT COVERAGE | 15 % |

APPROVED BY THE TOWN OF OLIVE PLANNING BOARD

DATE _____

CHAIRMAN _____

MEMBER _____

OWNERS ENDORSEMENT

I HEREBY GRANT MY APPROVAL TO THIS PLAT AND THE PLANS SHOWN HEREON AND CONSENT TO ITS FILING AT THE OFFICE OF THE COUNTY CLERK.

OWNER: _____ DATED: _____

| | |
|---|--------------------|
| OWNER | LOT AREA |
| SAHLER MILL FARM LLC 46 NORTH CHESTNUT ST NEW PALTZ, NY 12561 | ± 64.3 ACRES |
| | TAX MAP ID# |
| | 60.2-3-38 |

SHEET INDEX

| SHEET | TITLE | SHEET# |
|--------|--|--------|
| I-1 | INDEX | 1 OF 7 |
| SUBD | LOT LAYOUT | 2 OF 7 |
| UP-1 | LOT IMPROVEMENT PLAN #1 (PROVIDED BY D. BREWER, L.S.) | 3 OF 7 |
| UP-2 | LOT IMPROVEMENT PLAN #2 | 4 OF 7 |
| SEP-1 | SEPTIC DESIGN DETAILS #1 | 5 OF 7 |
| D-1 | DETAIL SHEET | 6 OF 7 |
| SESC-1 | SOIL EROSION AND SEDIMENT CONTROL | 7 OF 7 |

FINAL PLAT: INDEX

FOR SUBDIVISION OF LANDS OF
SAHLER MILL FARM, LLC

SITUATE @ LOWER SAHLER MILL RD.
TOWN OF OLIVE
ULSTER COUNTY, NEW YORK

DECEMBER 15, 2021

Scale: 1" = 100'

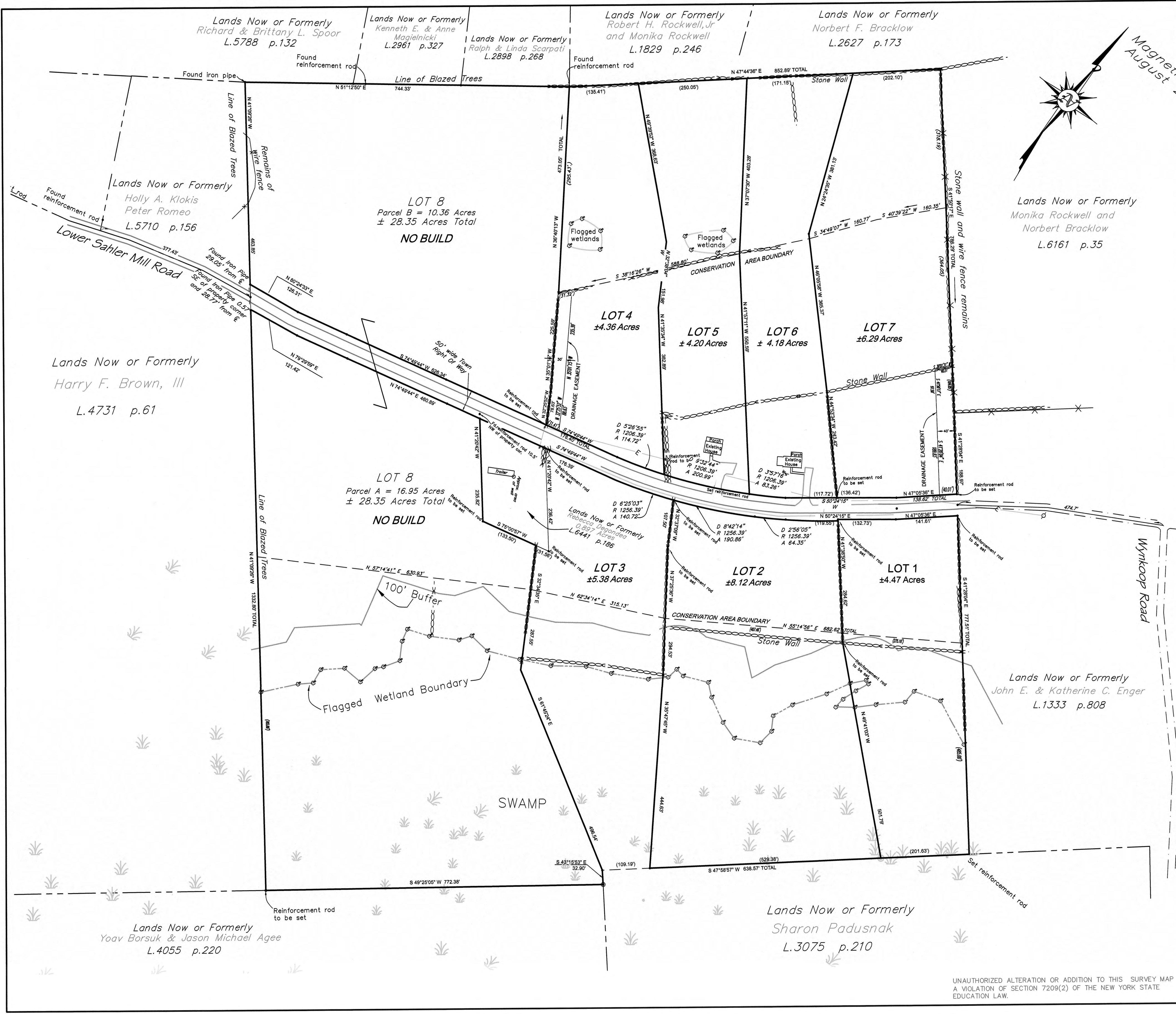
MEDENBACH & EGGERS
CIVIL ENGINEERING & LAND SURVEYING, P.C.
STONE RIDGE, NEW YORK (845) 687-0047

Barry Medenbach
BARRY MEDENBACH, P.E.
NEW YORK LIC. NO. 60142

1-1
E20 043
SHEET 1 OF 7

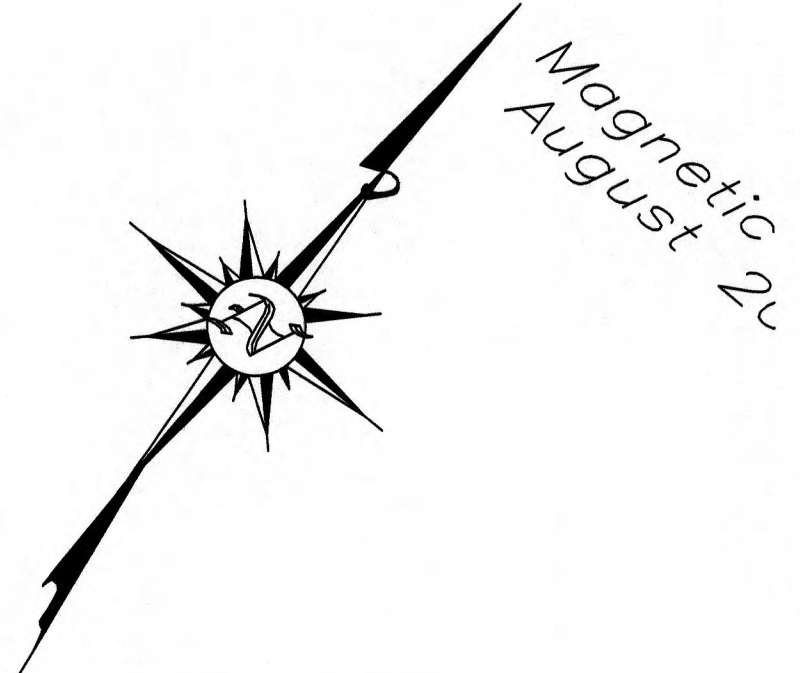
Any unauthorized alteration or addition to this plan is a violation of Sect. 7209, Subdivision 2 of N.Y.S. Education Law.





NYSDEC FRESHWATER WETLAND BOUNDARY VALIDATION
 The freshwater wetland boundary as represented on these plans accurately depicts the limits of Freshwater Wetland KR-6 as delineated by Joel F. Fisher on 7/23/2020
 DEC Staff: Joel F. Fisher 7/30/2020 Surveyor Engineer: [Signature]
 Date Valid: 7/30/2020 Expiration Date: 7/30/2025 SEAL

Wetland boundary delineations as validated by the New York State Department of Environmental Conservation remain valid for five (5) years unless existing exempt activities, area hydrology, or land use practices change (e.g., agricultural to residential). After five (5) years the boundary must be revalidated by DEC staff. Revalidation may include a new delineation and survey of the wetland boundary.
 Any proposed construction, grading, filling, excavating, clearing or other regulated activity in the freshwater wetland or within 100 feet of the wetland boundary as depicted on this plan requires a permit from the NYS Department of Environmental Conservation under Article 24 of the Environmental Conservation Law (Freshwater Wetlands Act) prior to commencement of work.



DEED REFERENCE: Lands conveyed by Roy B. Iversen to Randall Erling Iversen and Ernest Roy Iversen by deed dated 8/15/1992 and filed in the Ulster County Clerk's Office in Liber 2201 of deeds on page 318.

PLANNING BOARD ENDORSEMENT
TOWN OF OLIVE

Chairman _____ Date _____

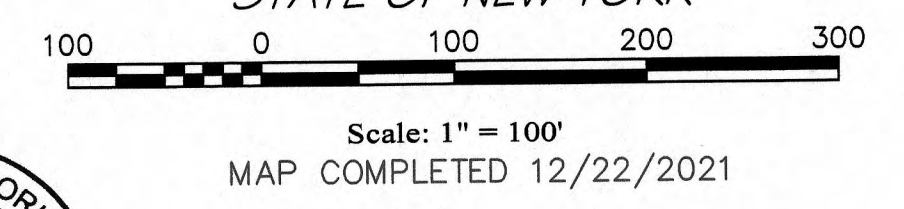
OWNER ENDORSEMENT

I HEREBY AGREE TO THE FILING OF THIS MAP IN THE ULSTER COUNTY CLERK'S OFFICE

Owner _____ Date _____

TAX MAP 60.2-3-38

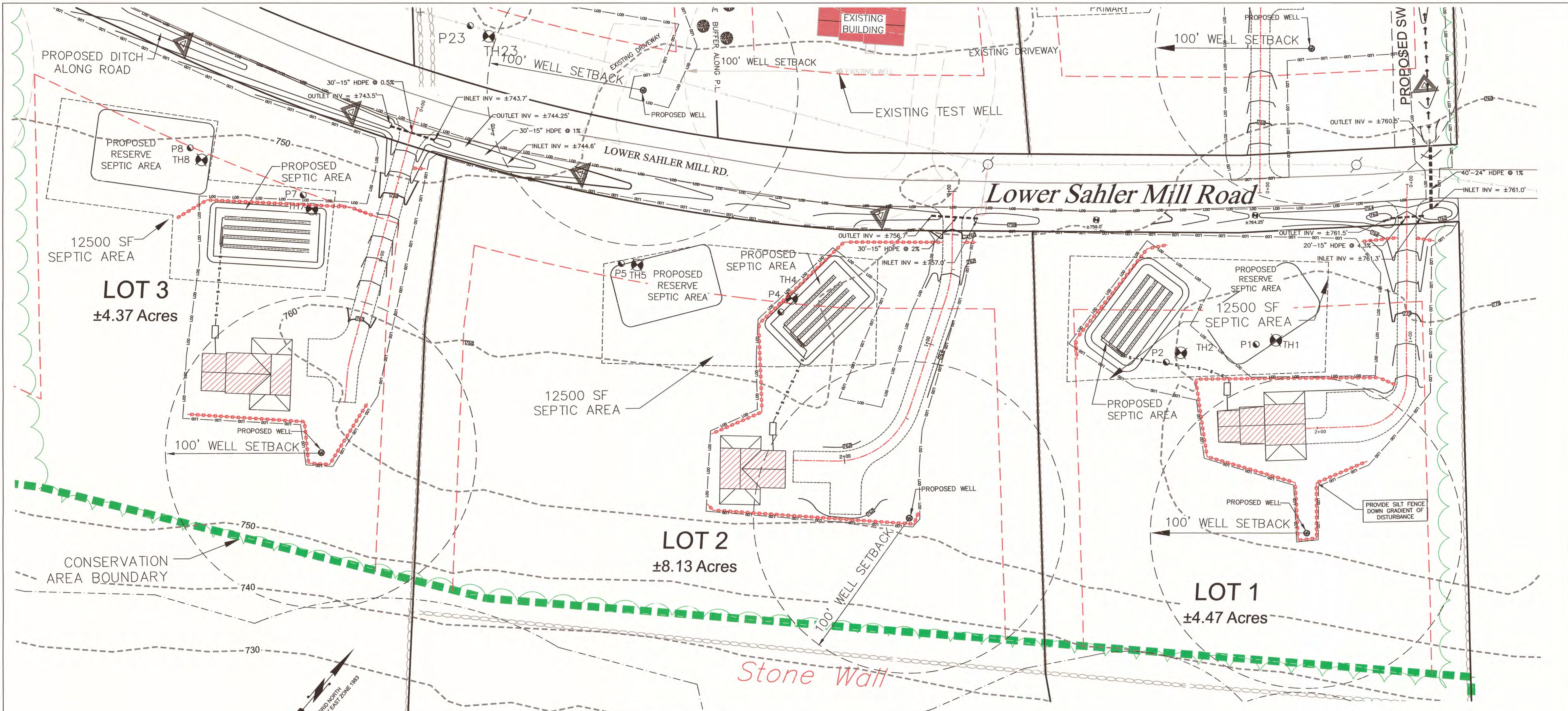
MAP
 OF SUBDIVISION FOR
Sahler Mill Farm LLC
 SITUATE IN
 TOWN OF OLIVE COUNTY OF ULSTER
 STATE OF NEW YORK



DONALD BREWER SURVEYING, INC.
 N.Y.S. Reg. No. 49803

P.O. Box 71, 90 Main Street, Phoenicia, N.Y. 12464
 (845) 688-7888

UNAUTHORIZED ALTERATION OR ADDITION TO THIS SURVEY MAP IS A VIOLATION OF SECTION 7209(2) OF THE NEW YORK STATE EDUCATION LAW.



Lower Sahler Mill Road

Stone Wall

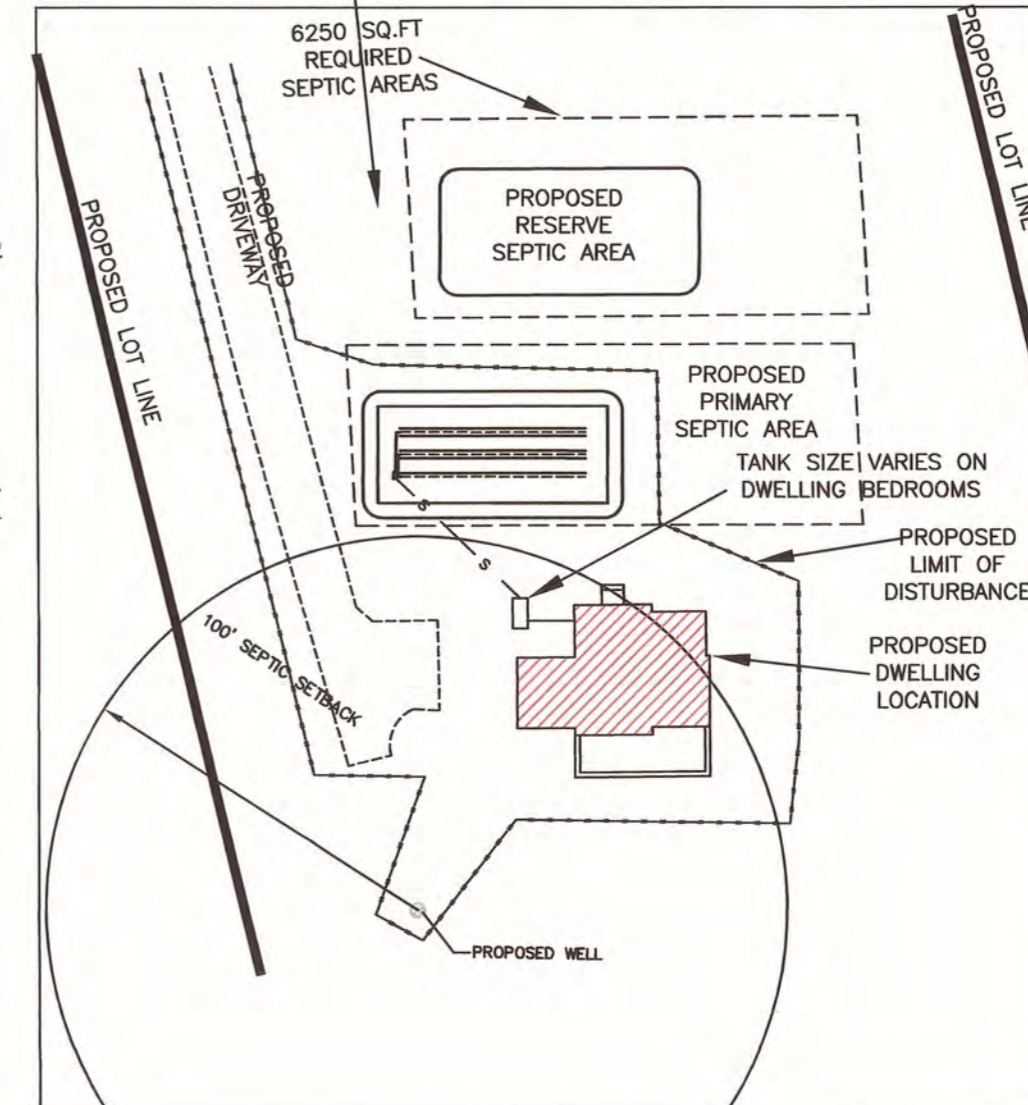
LOT 3
±4.37 Acres

LOT 2
±8.13 Acres

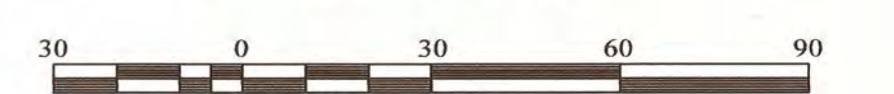
LOT 1
±4.47 Acres

- LEGEND**
- TEMPORARY STRAW BALE DIKES
 - SILT FENCE
 - LOD - LIMIT OF DISTURBANCE

LAYOUT LEGEND



**FINAL PLAT:
LOT IMPROVEMENT PLAN #1**
LOTS 1-3
FOR SUBDIVISION OF LANDS OF
SAHLER MILL FARMS, LLC
SITUATE @ LOWER SAHLER MILL RD.
TOWN OF OLIVE
ULSTER COUNTY, NEW YORK
DECEMBER 15, 2021



Scale: 1" = 30'
MEDENBACH & EGGERS
CIVIL ENGINEERING & LAND SURVEYING, P.C.
STONE RIDGE, NEW YORK (845) 687-0047

[Signature]
BARRY MEDEMBACH, P.E.
NEW YORK LIC. NO. 60142

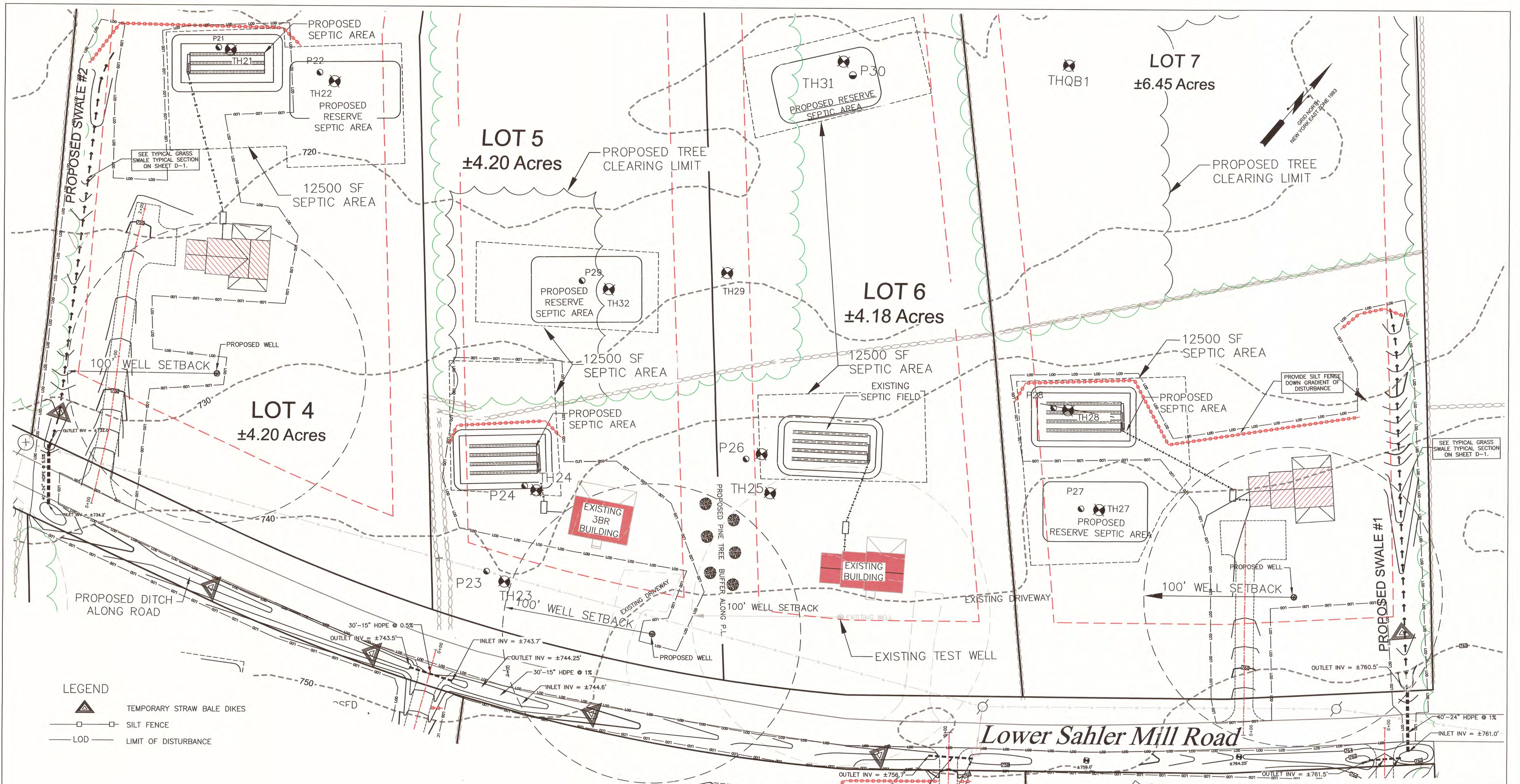
MINIMUM SANITARY SETBACK REQUIREMENTS

| | WELL OR SUCTION LINE | STREAM OR WATERBODY | DWELLING | PROPERTY LINE | DRAINAGE DITCH |
|-------------------|----------------------|---------------------|----------|---------------|----------------|
| HOUSE SEWER | 50' | 25' | 3' | 10' | - |
| SEPTIC TANK | 50' | 50' | 10' | 10' | 10' |
| LINE TO DIST. BOX | 50' | 50' | 10' | 10' | 10' |
| DISTRIBUTION BOX | 100' | 100' | 20' | 10' | 20' |
| DISPOSAL AREA | 100' | 100' | 20' | 10' | 20' |

NOTES:
1. TOTAL PROPOSED DISTURBANCE ± 3.6 ACRES

Any unauthorized alteration or addition to this plan is a violation of Sect. 7209, Subdivision 2 of N.Y.S. Education Law.

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LEGEND

- TEMPORARY STRAW BALE DIKES
- SILT FENCE
- LOD LIMIT OF DISTURBANCE

MINIMUM SANITARY SETBACK REQUIREMENTS

| | WELL OR SUCTION LINE | STREAM OR WATERBODY | DWELLING | PROPERTY LINE | DRAINAGE DITCH |
|-------------------|----------------------|---------------------|----------|---------------|----------------|
| HOUSE SEWER | 50' | 25' | 3' | 10' | - |
| SEPTIC TANK | 50' | 50' | 10' | 10' | 10' |
| LINE TO DIST. BOX | 50' | 50' | 10' | 10' | 10' |
| DISTRIBUTION BOX | 100' | 100' | 20' | 10' | 20' |
| DISPOSAL AREA | 100' | 100' | 20' | 10' | 20' |

NOTES:
 1. TOTAL PROPOSED DISTURBANCE ± 3.6 ACRES

Any unauthorized alteration or addition to this plan is a violation of Sect. 7209, Subdivision 2 of N.Y.S. Education Law.

**FINAL PLAT:
 LOT IMPROVEMENT PLAN #2
 LOTS 4-7
 FOR SUBDIVISION OF LANDS OF
 SAHLER MILL FARM, LLC**
 SITUATE @ LOWER SAHLER MILL RD.
 TOWN OF OLIVE
 ULSTER COUNTY, NEW YORK

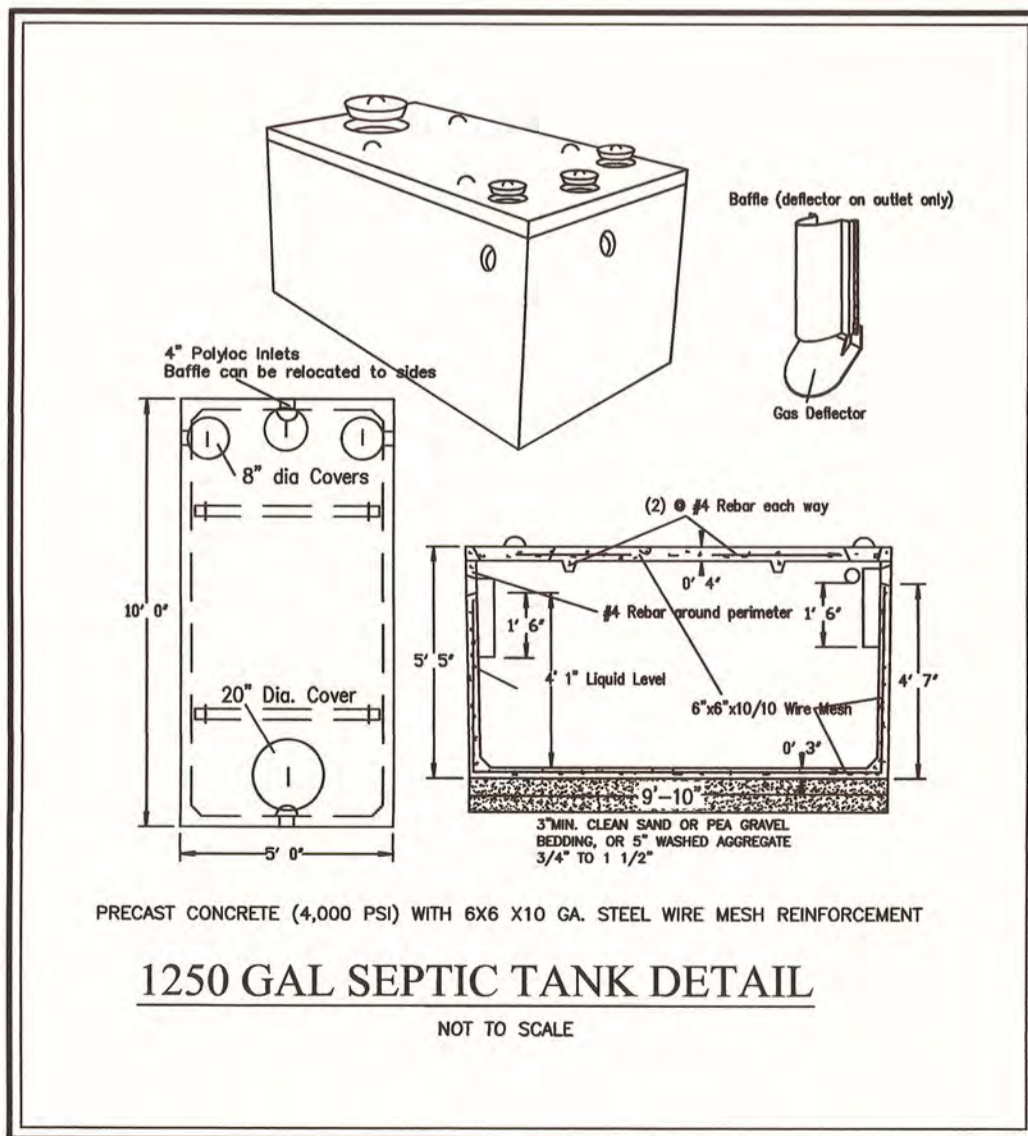
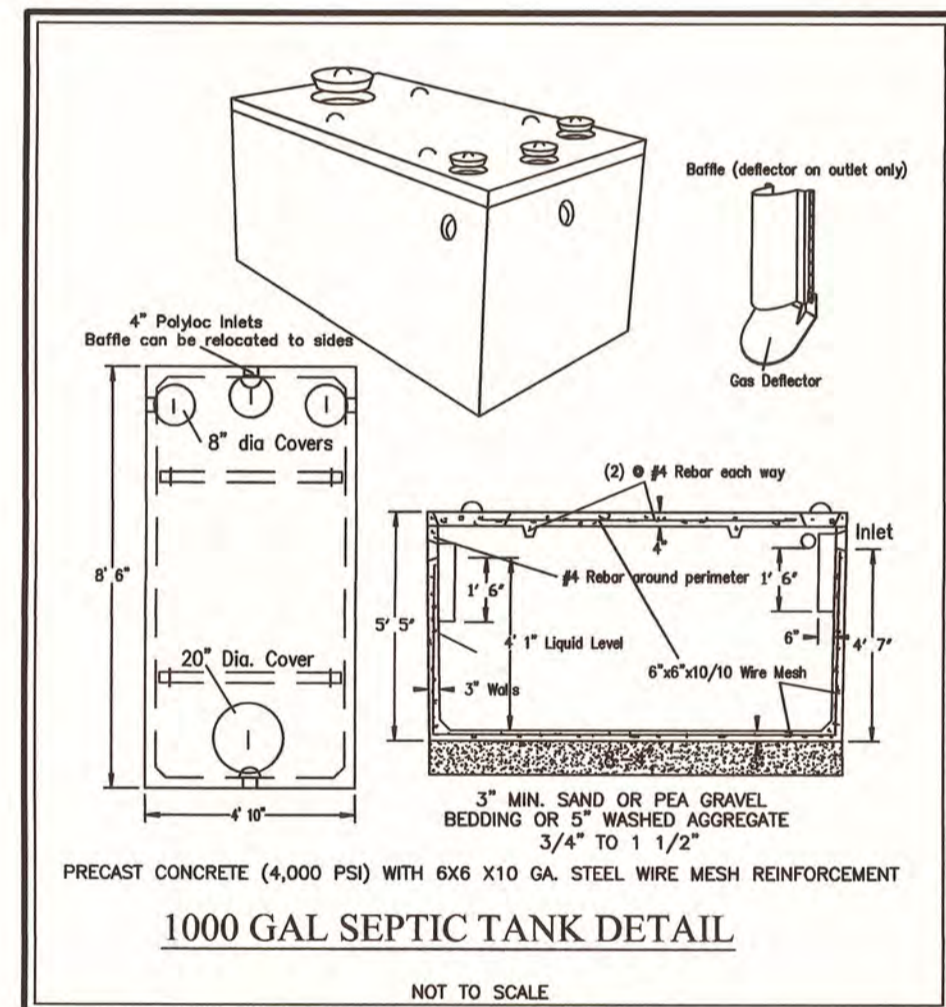
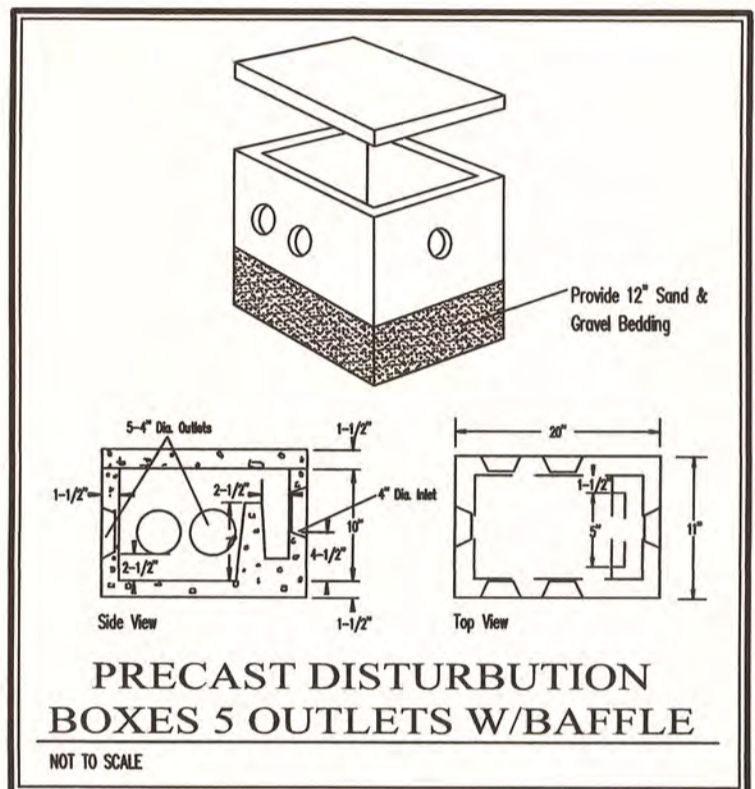
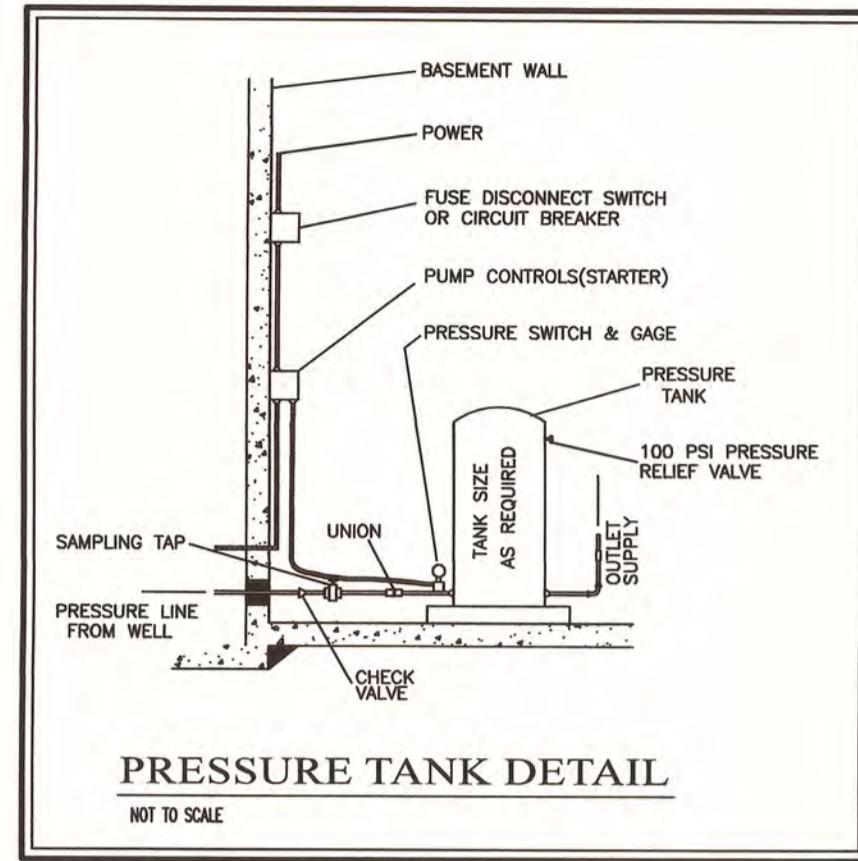
Scale: 1" = 30'
 DECEMBER 15, 2021

MEDENBACH & EGGERS
 CIVIL ENGINEERING & LAND SURVEYING, P.C.
 STONE RIDGE, NEW YORK (845) 687-0047

Barry Medenbach
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UP-2
 E20 043
 SHEET 4 OF 7

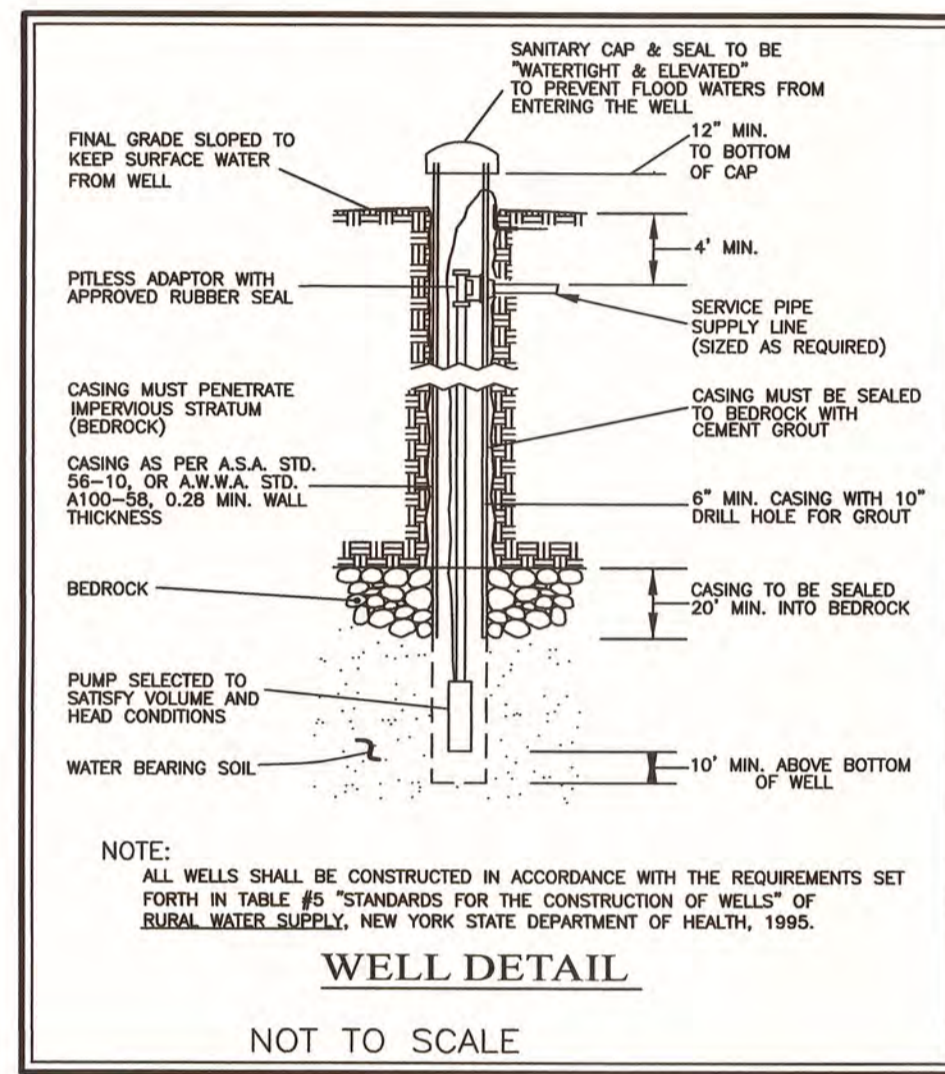


PERC HOLE DATA

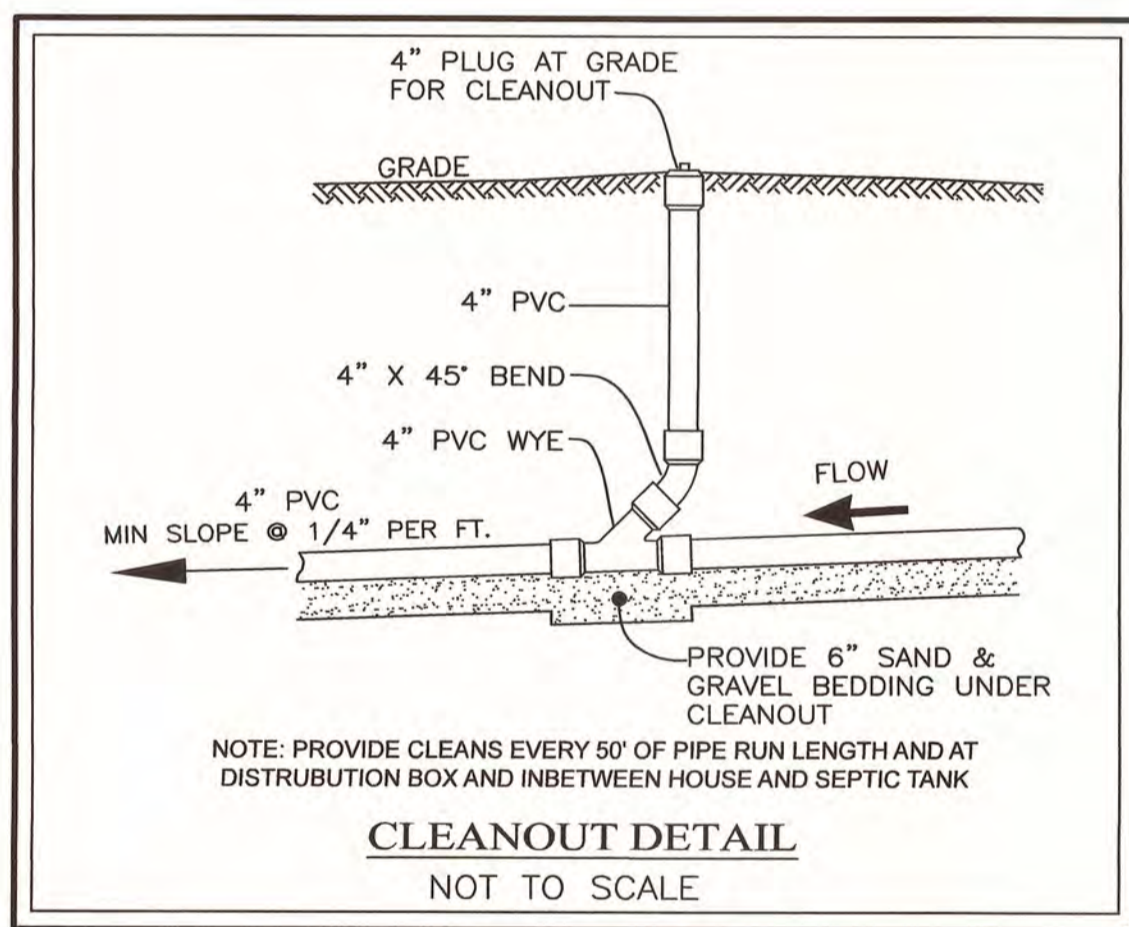
P# DENOTES PERCOLATION TEST LOCATIONS
(TESTED ON 05/2018 to 10/2019)

- LOT 1:
TH #1
P1 = 7 MIN./INCH
P2 = 9 MIN./INCH
- LOT 2:
P4 = 7 MIN./INCH
P5 = 6 MIN./INCH
LOT 3:
P7 = 11 MIN./INCH
P8 = 11 MIN./INCH
P21 = 5 MIN./INCH
P22 = 3 MIN./INCH
- LOT 5:
P23 = 6 MIN./INCH
P24 = 4 MIN./INCH
P29 = 8 MIN./INCH
LOT 6: (Existing Lot) (At 24")
P25 = 23 MIN./INCH
P26 = 11 MIN./INCH
P30 = 8 MIN./INCH
LOT 7:
P27 = 4 MIN./INCH
P28 = 9 MIN./INCH

NOTE: For all percolations test completed at 12" depth unless noted.



NOTE: ALL WELLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN TABLE #5 'STANDARDS FOR THE CONSTRUCTION OF WELLS' OF RURAL WATER SUPPLY, NEW YORK STATE DEPARTMENT OF HEALTH, 1995.



NOTE: PROVIDE CLEANS EVERY 50' OF PIPE RUN LENGTH AND AT DISTRIBUTION BOX AND IN BETWEEN HOUSE AND SEPTIC TANK

TEST HOLE DATA

Conducted: 8/14/2020
Observed by JAMES RODDEN (UCDH)

- LOT 1:
TH #1
0\"/>
- LOT 2:
TH #2
0\"/>
- LOT 3:
TH #7
0\"/>
- LOT 4:
TH #4
0\"/>
- LOT 5:
TH #5
0\"/>
- LOT 6: (EXISTING LOT)
TH #25
0\"/>
- LOT 7:
TH #22
0\"/>
- LOT 8:
TH #21
0\"/>
- LOT 9:
TH #20
0\"/>
- LOT 10:
TH #19
0\"/>
- LOT 11:
TH #18
0\"/>
- LOT 12:
TH #17
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- LOT 13:
TH #16
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- LOT 14:
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TH #5
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- LOT 25:
TH #4
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- LOT 26:
TH #3
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- LOT 27:
TH #2
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- LOT 28:
TH #1
0\"/>

DESIGN DATA

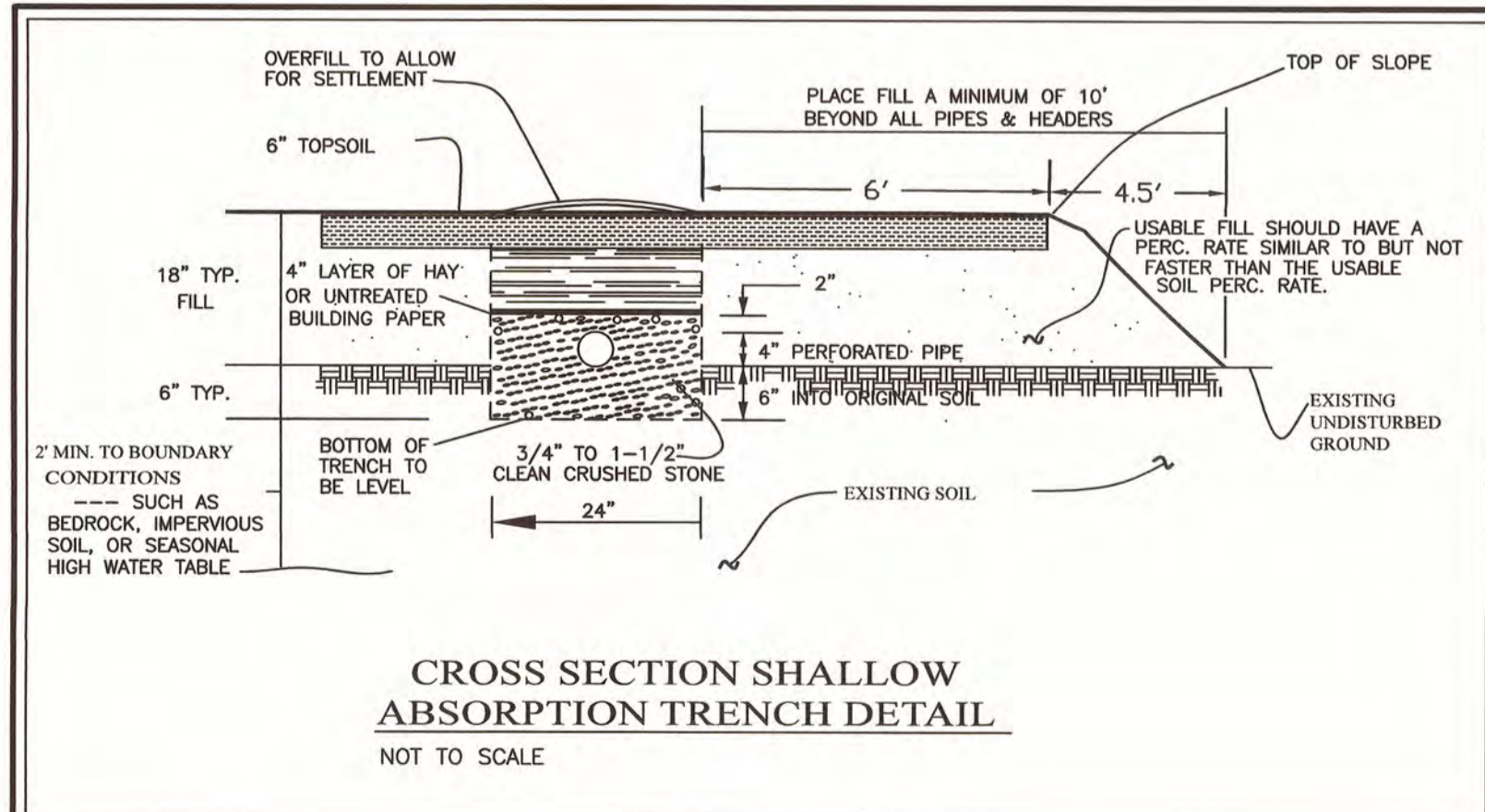
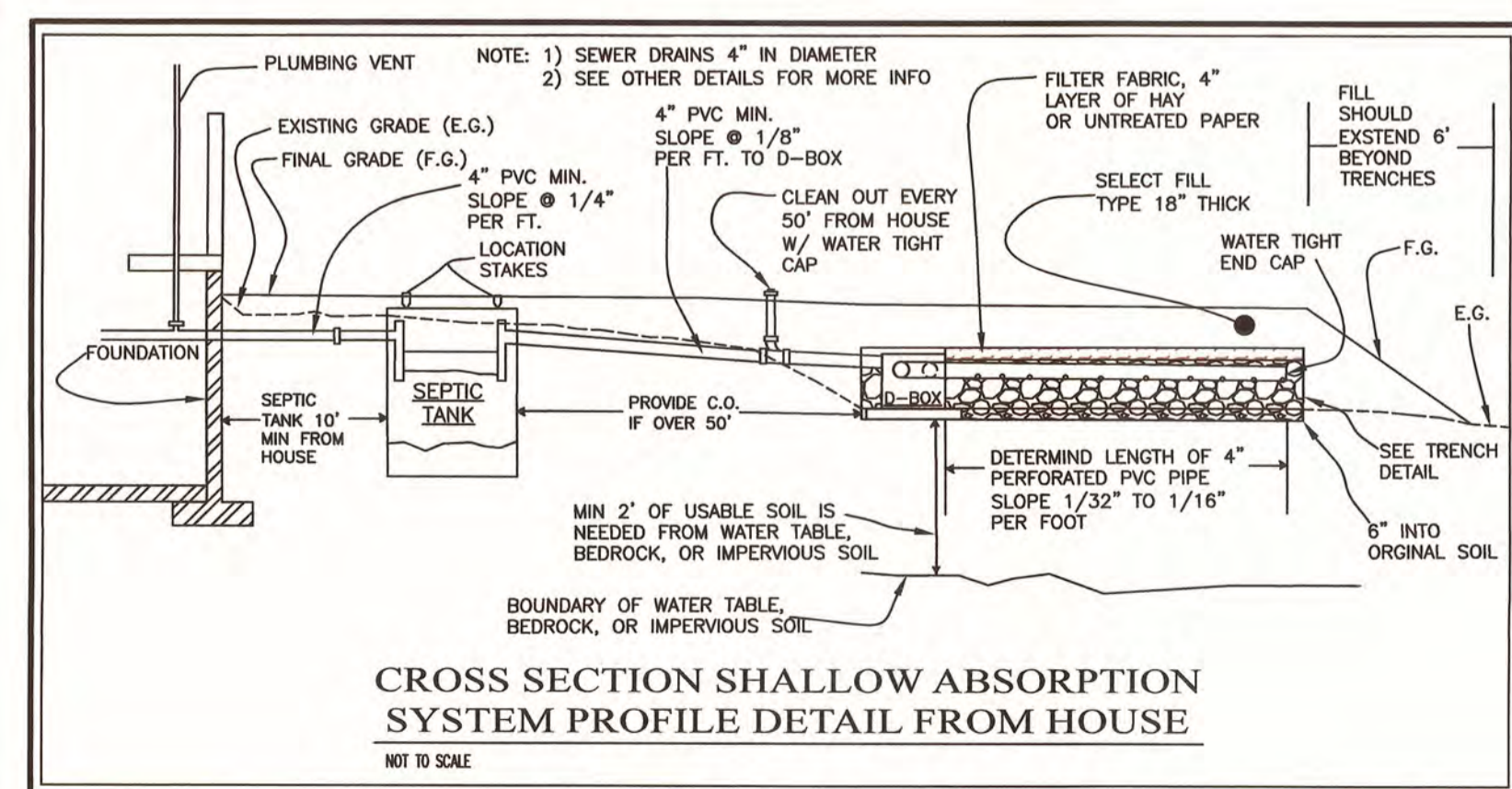
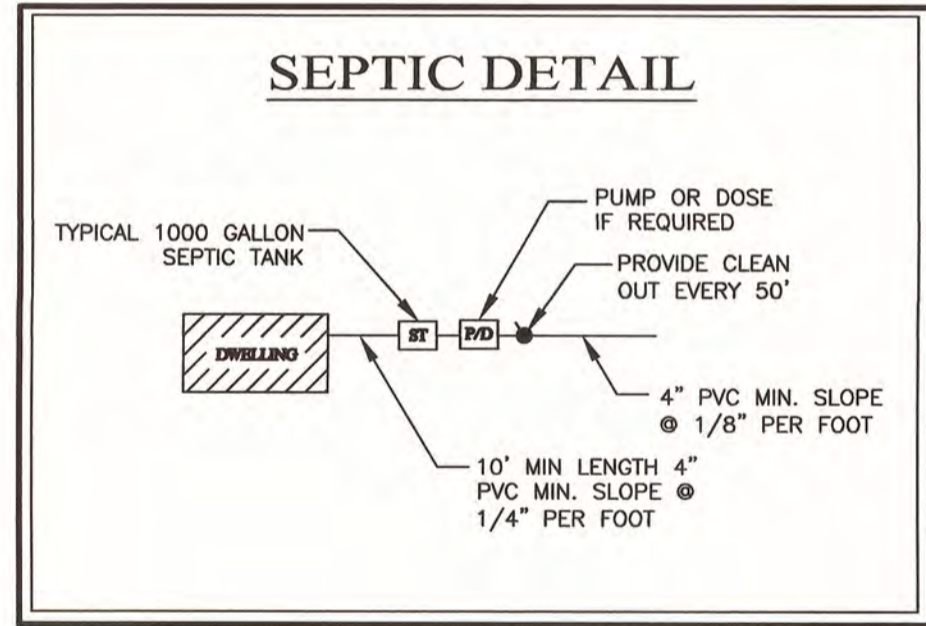
| LOT NO. | (PRIMARY/RESERVE) SYSTEMS | STABILIZED PERC RATE (MIN./IN.) | ABSORPTION RATE (G.P.D./SQ.FT.) | 3 BEDROOM (330_GPD) | | |
|---------|-----------------------------------|---------------------------------|---------------------------------|---|------------------|----------------------------|
| | | | | TRENCH-S.F./BASEL(S.F.)/L*W) | FOOT LEN./PIPING | DISTRIBUTION/DBOX OUTLET # |
| 1 | SHALLOW/SHALLOW | 9 MIN./IN. | 0.9 | 370 S.F./NA/NA | 200' 4\"/> | |
| 2 | SHALLOW/SHALLOW | 7 MIN./IN. | 1.0 | 330 S.F./NA/NA | 180' 4\"/> | |
| 3 | SHALLOW/SHALLOW | 11 MIN./IN. | 0.8 | 415 S.F./NA/NA | 220' 4\"/> | |
| 4 | SHALLOW/SHALLOW | 5 MIN./IN. | 1.2 | 275 S.F./NA/NA | 150' 3\"/> | |
| 5 | SHALLOW/SHALLOW | 6 MIN./IN. 8 MIN./IN. | 1.0 0.9 | 330 S.F./NA/NA Reserve: 370 S.F./NA/NA | 180' 4\"/> | |
| 6 | SHALLOW EXISTING LOT RESERVE AREA | 11 MIN./IN. | 0.9 | 370 S.F./NA/NA | 200' 4\"/> | |
| 7 | SHALLOW/SHALLOW | 9 MIN./IN. | 0.9 | 370 S.F./NA/NA | 200' 4\"/> | |

DESIGN FLOWS @ 110 G.P.D./BEDROOM: 3 BEDROOM = 330 G.P.D.
SEPTIC TANK REQUIREMENTS: 3 BEDROOM = 1000 GALLON

- NOTES:
- IF A GARBAGE GRINDER IS TO BE INSTALLED, INCREASE THE SEPTIC TANK CAPACITY BY 250 GALLONS.
 - SEE PUMP TABLE FOR VOLUME DOSE REQUIRED.

CONSTRUCTION NOTES FOR SHALLOW ABSORPTION TRENCH SYSTEM

1. A SHALLOW TRENCH SYSTEM MAY BE CONSTRUCTED ONLY IN AREAS WHERE THE DEPTH TO BOUNDARY CONDITIONS (IMPERMEABLE SOIL, BEDROCK OR SEASONAL HIGH GROUNDWATER) IS BETWEEN 2'-6" AND 4'.
2. THE FILL AREA SHALL BE UNDISTURBED PRIOR TO PLACING THE FILL. TREES AND BRUSH SHALL BE CUT TO GROUND LEVEL. STUMPS ARE NOT TO BE REMOVED UNLESS THEY INTERFERE WITH THE TRENCH CONSTRUCTION. HEAVY EQUIPMENT SHALL BE KEPT FROM THE FILL AREA.
3. SELECT FILL MATERIAL SHALL HAVE APPROXIMATELY THE SAME PERMEABILITY AS THE UNDERLYING SOIL AND SHALL BE APPROVED BY THE ULSTER COUNTY HEALTH DEPARTMENT PRIOR TO PLACEMENT.
4. THE FILL SHALL BE PLACED TO SUFFICIENT DEPTH TO MAINTAIN A TWO FOOT SEPARATION BETWEEN THE BOTTOM OF ALL ABSORPTION TRENCHES AND BOUNDARY CONDITIONS. FILL DEPTH SHALL NOT EXCEED 30 INCHES AFTER SETTLING. FILL SHALL NOT BE PLACED WHEN UNDERLYING SOILS ARE SATURATED OR FROZEN.
5. THE TOP SURFACE OF THE FILL SHALL BE SLIGHTLY SLOPED TO FACILITATE DRAINAGE. THE FILL SHALL EXTEND AT LEAST SIX FEET BEYOND ENDS OF TRENCHES BEFORE STARTING SLOPE NO GREATER THAN ONE VERTICAL TO THREE HORIZONTAL. ALL DRAINAGE RUNOFF SHALL BE DIVERTED AWAY FROM THE DISPOSAL AREA.
6. CONVENTIONAL ABSORPTION TRENCHES SHALL BE INSTALLED IN THE FILL MATERIAL, EXTENDING INTO THE EXISTING NATURAL SOIL TO A DEPTH OF 6". THE BOTTOM OF THE TRENCHES SHALL NOT BE ABOVE THE ORIGINAL USABLE SOIL. TRENCH BOTTOMS SHALL BE LEVEL. TRENCHES SHALL BE PARALLEL TO GROUND CONTOURS, SMEARED TRENCH SIDEWALLS AND BOTTOMS ARE TO BE RAKED IMMEDIATELY PRIOR TO PLACEMENT OF STONE.
7. UPON INSTALLATION OF THE ABSORPTION TRENCHES, THE ENTIRE FILL AREA AND SIDE SLOPES SHALL BE COVERED WITH A SIX INCH LAYER OF TOPSOIL AND SEEDED.
8. ALL SOLID SEWER LINES SHALL BE SDR 38 OR EQUAL, UNLESS OTHERWISE NOTED.
9. HEAVY EQUIPMENT SHALL BE KEPT OFF OF THE ABSORPTION AREA.
10. TANK ACCESS COVERS AND MANHOLE COVERS SHALL BE WITHIN 12 INCHES OF FINAL GRADE TO PERMIT INSPECTION AND MAINTENANCE. WHEN THE TOP OF A SEPTIC TANK OR DISTRIBUTION BOX IS MORE THAN 12 INCHES BELOW FINAL GRADE, WATER-TIGHT EXTENSION COLLARS SHALL BE USED TO BRING ACCESS COVERS AND MANHOLE COVERS WITHIN 12 INCHES OF FINAL GRADE.
11. NO ROOF, CELLAR, OR FOOTING DRAINS ARE TO DISCHARGE INTO THE SEWAGE DISPOSAL SYSTEM. ALL DRAINAGE RUNOFF FROM ROOF DRAINS, DRIVEWAYS, AND OVERLAND AREAS SHALL BE DIRECTED AWAY FROM THE DISPOSAL AREA.
12. SEPTIC TANKS SHALL BE PRECAST CONCRETE.
13. NO DRIVEWAY, ROADWAY, OR PARKING AREA SHALL BE CONSTRUCTED OVER ANY PORTION OF THE SEPTIC SYSTEM.
14. NO COMPONENT PART OF ANY SEWAGE DISPOSAL SYSTEM SHALL BE LOCATED OR MAINTAINED WITHIN 100 FEET FROM ANY SPRING, RESERVOIR, BROOK, MARSH, OR OTHER BODY OF WATER.
15. NO BASEMENT FIXTURES ARE ALLOWED WITHOUT SPECIAL SEWER DESIGN.
16. ALL CONCRETE CHAMBERS TO BE LEVELED ON A BED OF PEA GRAVEL OR SAND.



FINAL PLAT:
SEPTIC DESIGN DETAILS
FOR SUBDIVISION OF LANDS OF
SAHLER MILL FARM, LLC
SITUATE @ LOWER SAHLER MILL RD.
TOWN OF OLIVE
ULSTER COUNTY, NEW YORK

DECEMBER 15, 2020

MEDENBACH & EGERS
CIVIL ENGINEERING & LAND SURVEYING, P.C.
STONE RIDGE, NEW YORK (845) 687-0047

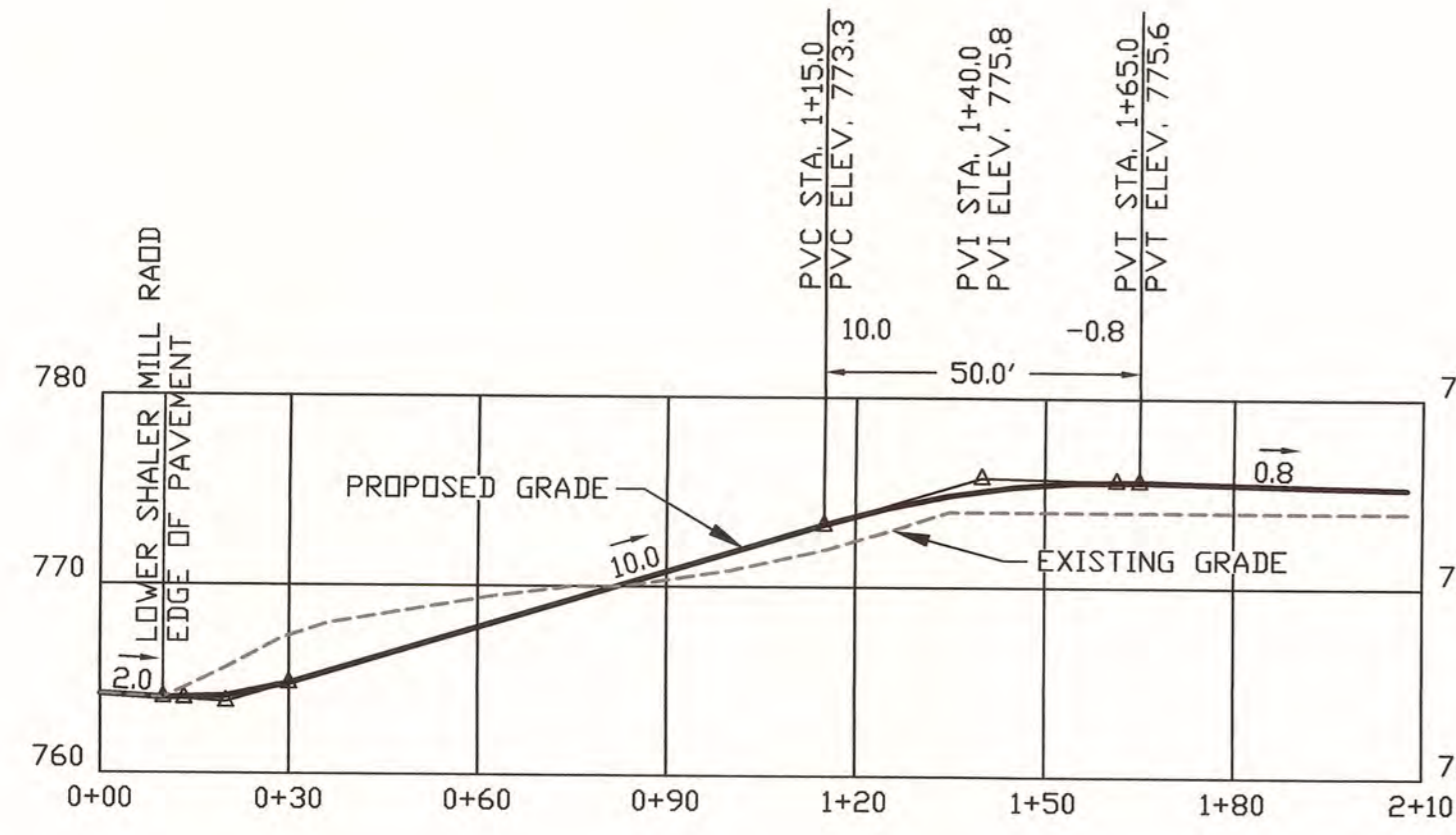
STATE OF NEW YORK
BARRY MEDENBACH
LICENSED PROFESSIONAL ENGINEER
No. 12036

Barry Medenbach
BARRY MEDENBACH, P.E.
NEW YORK LIC. NO. 60142

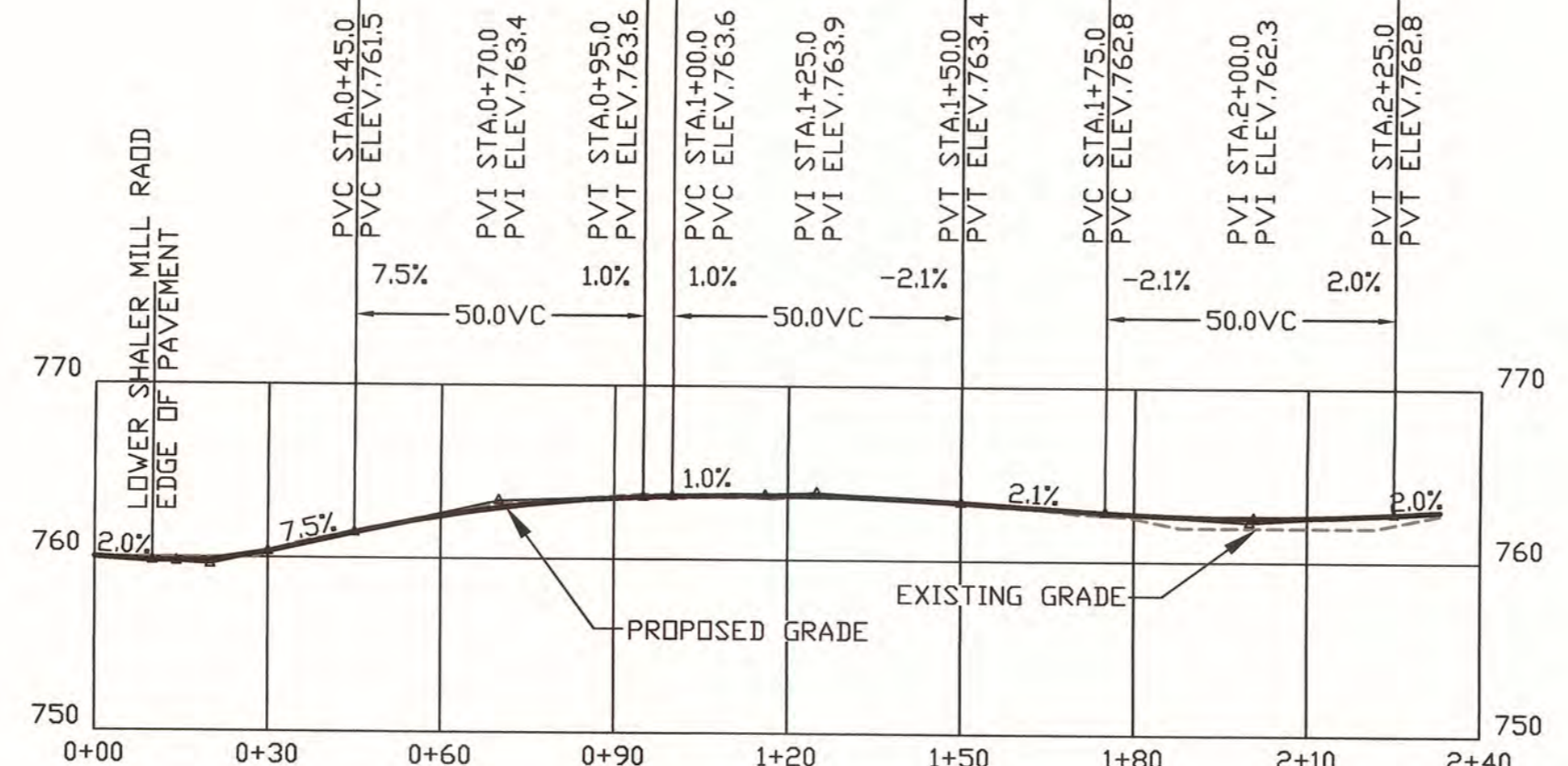
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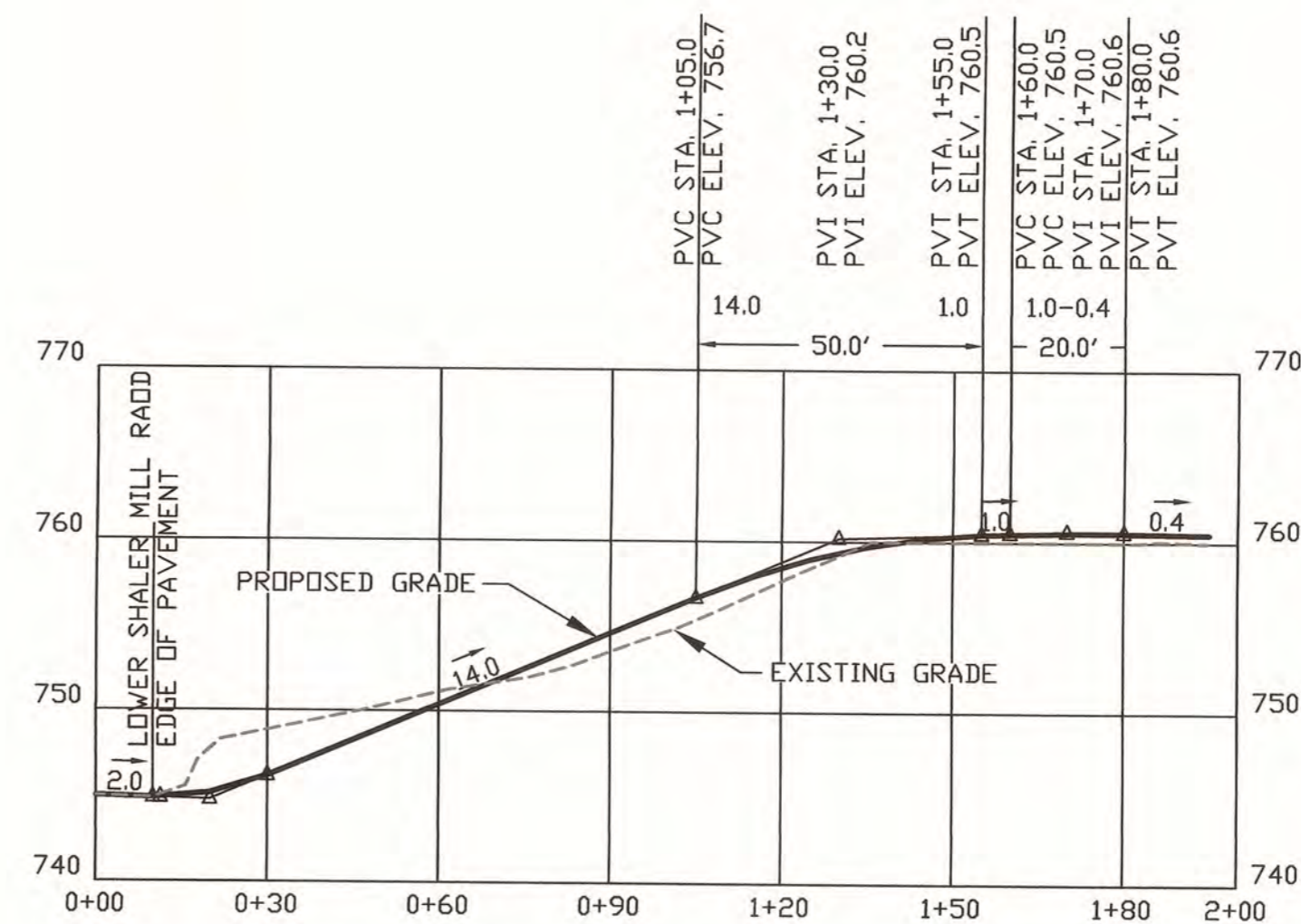
SEP-1
E20 043
SHEET 5 OF 7



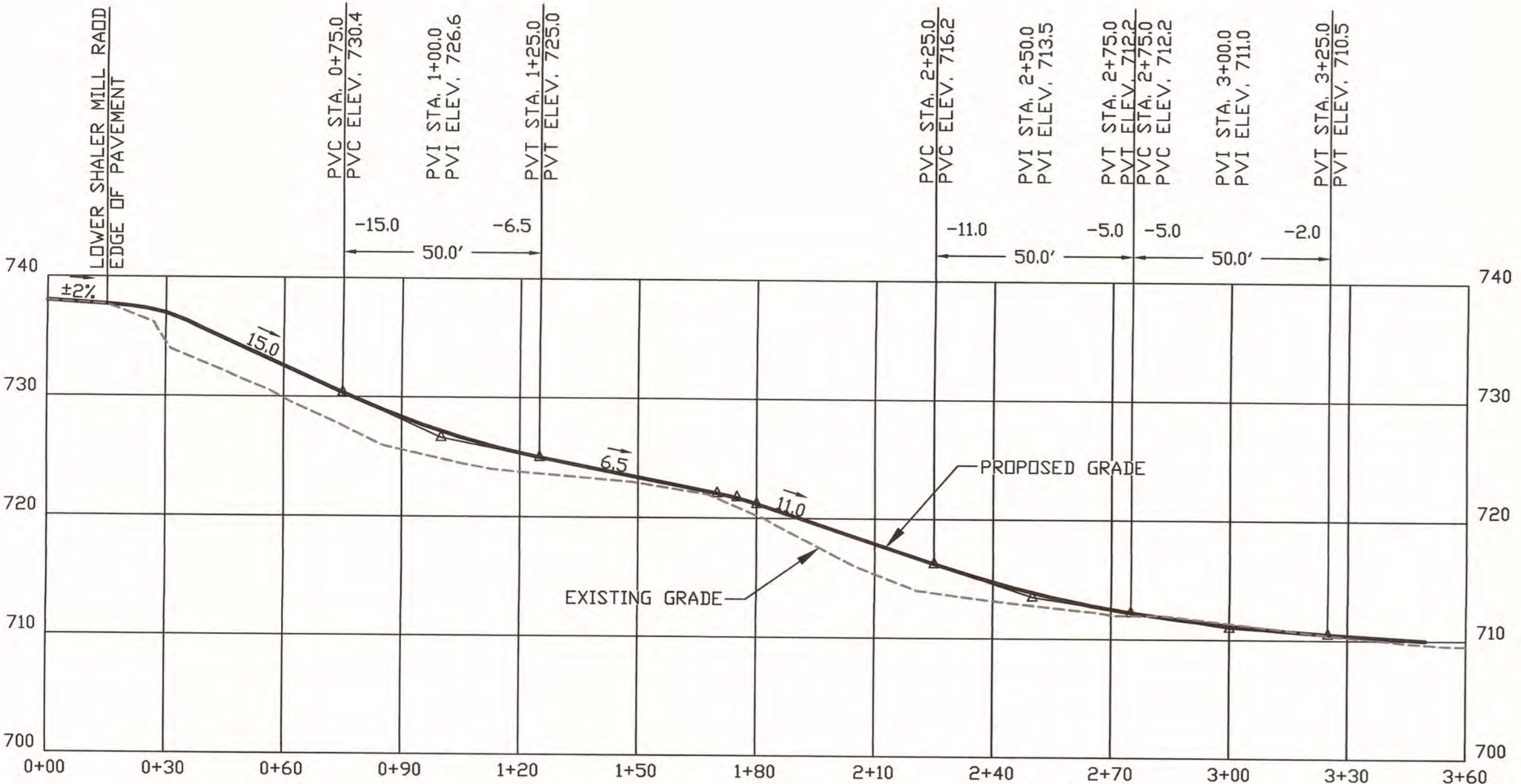
1 LOT 1 DRIVEWAY PROFILE
HORIZONTAL SCALE: 1" = 30' VERTICAL SCALE: 1" = 10'



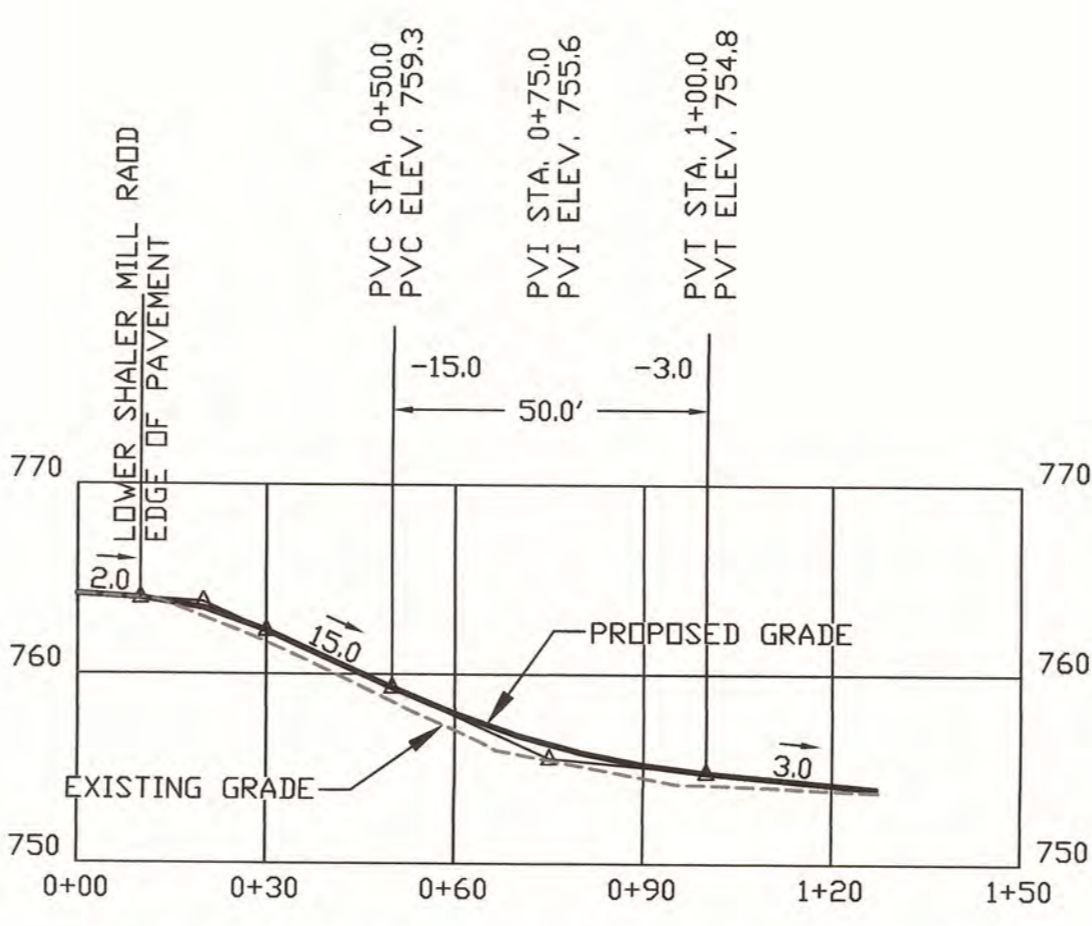
2 LOT 2 DRIVEWAY PROFILE
HORIZONTAL SCALE: 1" = 30' VERTICAL SCALE: 1" = 10'



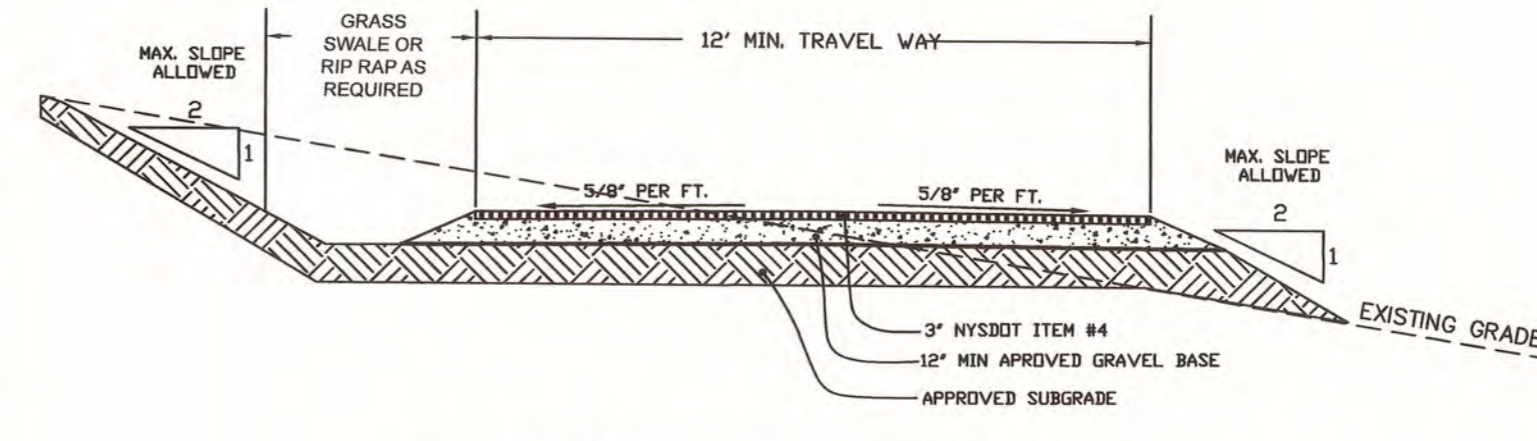
3 LOT 3 DRIVEWAY PROFILE
HORIZONTAL SCALE: 1" = 30' VERTICAL SCALE: 1" = 10'



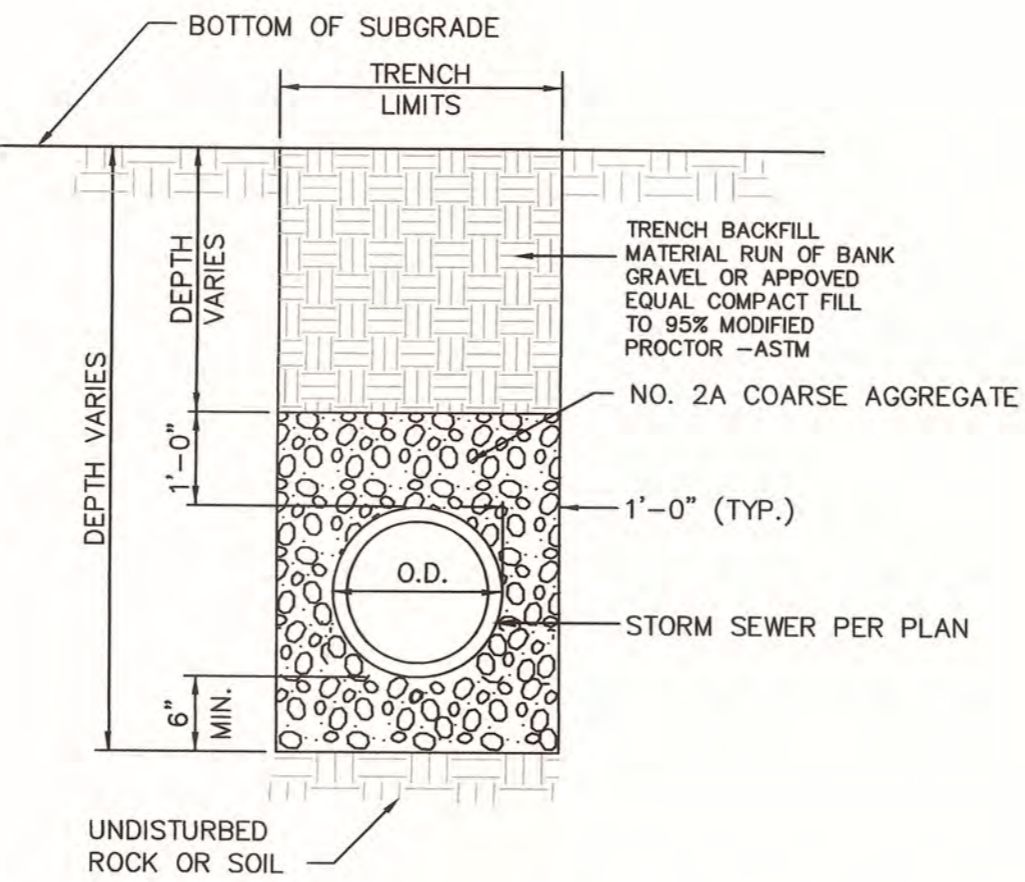
4 LOT 4 DRIVEWAY PROFILE
HORIZONTAL SCALE: 1" = 30' VERTICAL SCALE: 1" = 10'



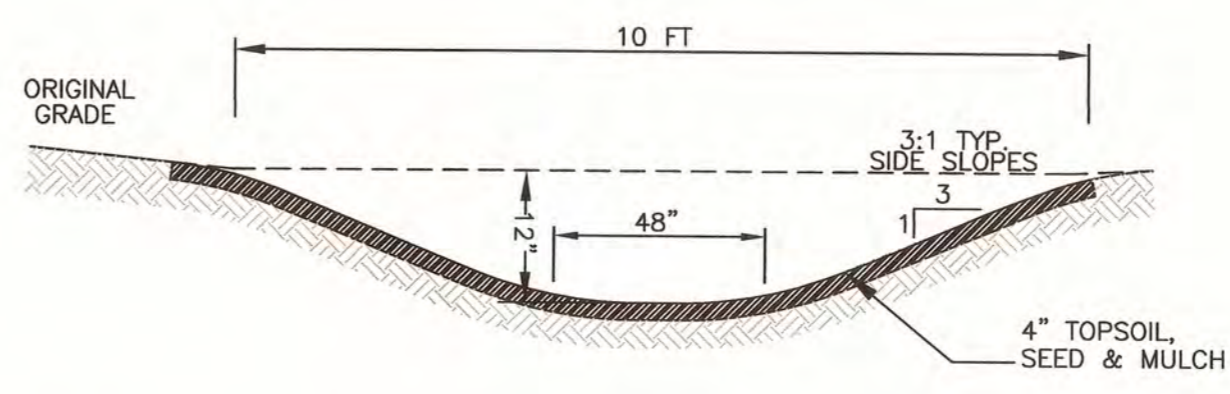
5 LOT 7 DRIVEWAY PROFILE
HORIZONTAL SCALE: 1" = 30' VERTICAL SCALE: 1" = 10'



6 TYPICAL DRIVE SECTION
NOT TO SCALE



7 TYPICAL DRAINAGE TRENCH DETAIL
NOT TO SCALE



8 GRASS SWALE TYPICAL-SECTION
NOT TO SCALE

General Utility Notes and Specifications:

- General Provisions:**
- All construction activities shall be in compliance with municipal, county state and federal regulations.
 - The protection of adjacent properties or areas on site that are not to be disturbed during construction, shall be the responsibility of the contractor.
 - Any conditions encountered in the field differing from those shown hereon, shall be reported to the design engineer before construction is to proceed.
 - Exploratory excavations shall be performed as needed at all utility connection locations by the contractor to verify existing conditions prior to work. Before connecting to existing utilities, verify existing utility inverts and notify the engineer if any deviation from the plan is required.
 - Where underground or overhead obstructions are encountered in the work, the contractor shall assume all costs for direct or indirect injury to them. Any valve box, valve pit, water service, water main, catch basin, manhole etc. whether or not shown on the drawings shall be protected from damage.
 - The contractor shall maintain service for all existing utilities until no longer necessary.
 - All trenching and shoring shall adhere to OSHA guidelines.
- Excavation and Earthwork:**
- Prior to site disturbance the contractor shall install required erosion & sediment control measures.
 - Strip all topsoil prior to commencing earthwork operations. Topsoil may be stored and reused in lawn and planting areas only.
 - Excavation shall be carried to the lines, grades and slopes shown on the approved plans. All final earthwork shall be smoothly and evenly blended into existing conditions.
 - Remove all vegetation, trees, stumps, grasses, organic soils, debris and deleterious materials from excavated soils to be reused as fill onsite.
 - Where unstable or unsuitable material is encountered at the prescribed bottom grade of the trenches it shall be removed.
 - Contractor shall be responsible for dewatering utility trenches and excavations and for the maintenance of surface drainage during the course of the work.
 - After final grading the contractor shall reapply stockpiled top soil on all lawn and planting areas. Topsoil shall be evenly spread a minimum of 4 (four) inches over all planting areas seeded and mulched in lawn areas or planted as per landscaping plan in planting beds. The contractor shall restore lawns, driveways and other disturbed areas to at least as good a condition as before being disturbed.

- Utility Bedding and Backfill:**
- Selected bedding (as specified on the utility typical trench sections hereon) shall be provided for the construction of pipe foundations at those locations where the foundations or excavated material, or any portion thereof deemed to be unsuitable for supporting the pipe or structure, or for back filling the cover portion of the trenches to a level one foot above the pipe, or where excavated material consist of a predominance of large stone, boulders or rock which is not suitable for placing in the trench. Certified sieve analysis shall be submitted from the supplier for the engineer's review prior to use.
 - All suitable back fill material shall be placed in layers not exceeding twelve (12) inches in depth, (loose measure), and shall be thoroughly tamped and compacted to a minimum density of 95% standard AASHTO-199 (ASTM-D698), as amended) compaction test. Compacting equipment shall be of a suitable type for the various back filling operations.
- Drainage:**
- All storm sewer pipe shall be smooth interior HDPE pipe unless noted otherwise.
 - HDPE end sections shall be provided on all drainage pipe inlets or outlets not connected to catch basins or other drainage structures. All outlets shall also be stabilized with rip-rap as per plans.
 - All concrete chambers shall be pre cast concrete to the specifications and dimensions shown hereon. Frames and grates shall be gray iron or ductile iron. Gray iron shall conform with ASTM A 48, Class 30B and ductile iron shall conform with ASTM A 536 and be of a grade appropriate to its intended use to the dimensions and specifications as shown hereon. Any structures subject to vehicle loads shall be able to withstand an H20 loading. Shop drawings shall be submitted to the design engineer for approval prior to construction.
 - The gutters and ditches shall be kept open at all times for surface drainage. No damming or ponding of water, in gutters or other waterways will be permitted except where the engineer shall consider it necessary.
 - The transport of soils to the drainage system shall be avoided during and after construction.
 - All exposed soils shall be stabilized with vegetation, stone or as directed by the engineer.
 - Methods used to control soil erosion and sediment control shall be in accordance with the approved soil erosion and sediment control plan or as directed by the engineer. Contractor shall comply with all the requirements of the SPDES General Permit for Stormwater Discharges from Construction Activity - GP-0-20-001. Contractor is responsible for conducting weekly inspections (must be qualified by NYSDC).

FINAL PLAT:
SITE DETAILS & DRIVEWAY PROFILES
FOR SUBDIVISION OF LANDS OF
SAHLER MILL FARM, LLC
SITUATE @ LOWER SAHLER MILL RD
TOWN OF OLIVE
ULSTER COUNTY, NEW YORK

Scale: 1" = 30'
DECEMBER 15, 2021

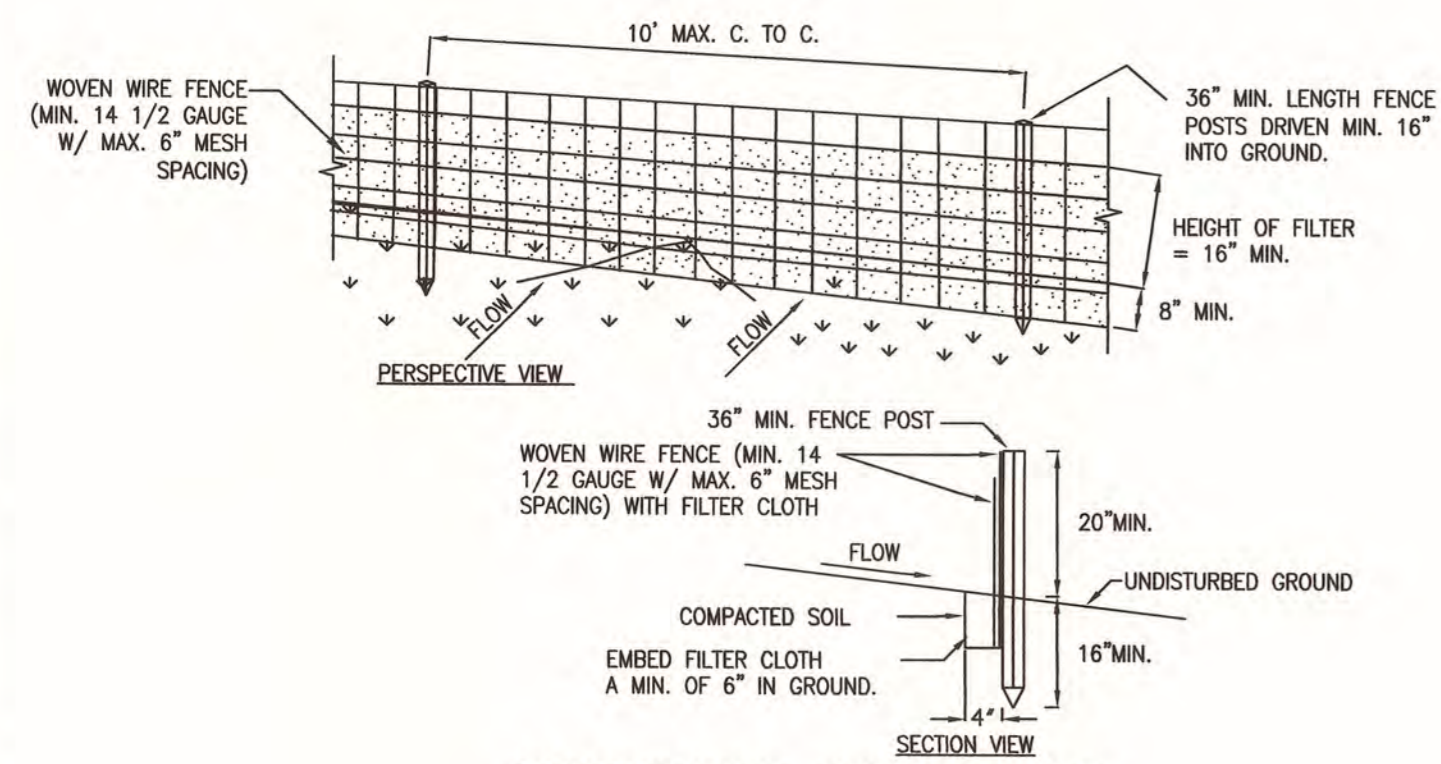
MEDENBACH & EGGERS
CIVIL ENGINEERING & LAND SURVEYING, P.C.
STONE RIDGE, NEW YORK (845) 687-0047

Barry Medenbach
BARRY MEDENBACH, P.E.
NEW YORK LIC. NO. 60142

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SHEET 6 OF 7

Any unauthorized alteration or addition to this plan is a violation of Sect. 7209, Subdivision 2 of N.Y.S. Education Law.

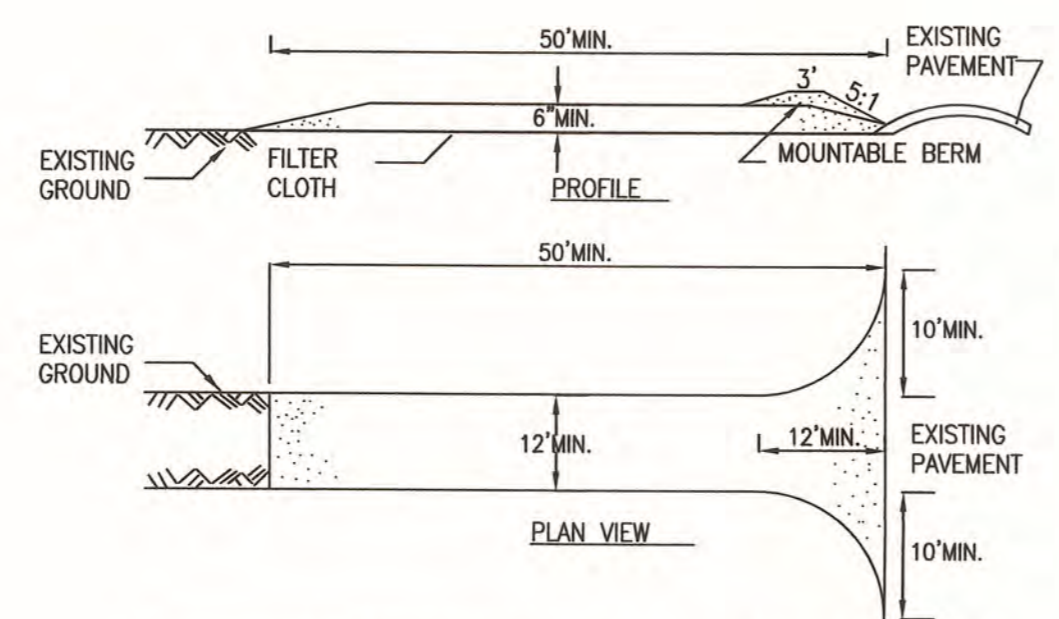




- ### CONSTRUCTION SPECIFICATIONS
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "I" OR "U" TYPE OR HARDWOOD.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 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 1140N, OR APPROVED EQUIVALENT.
 - PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

1 SILT FENCE TYPICAL DETAIL

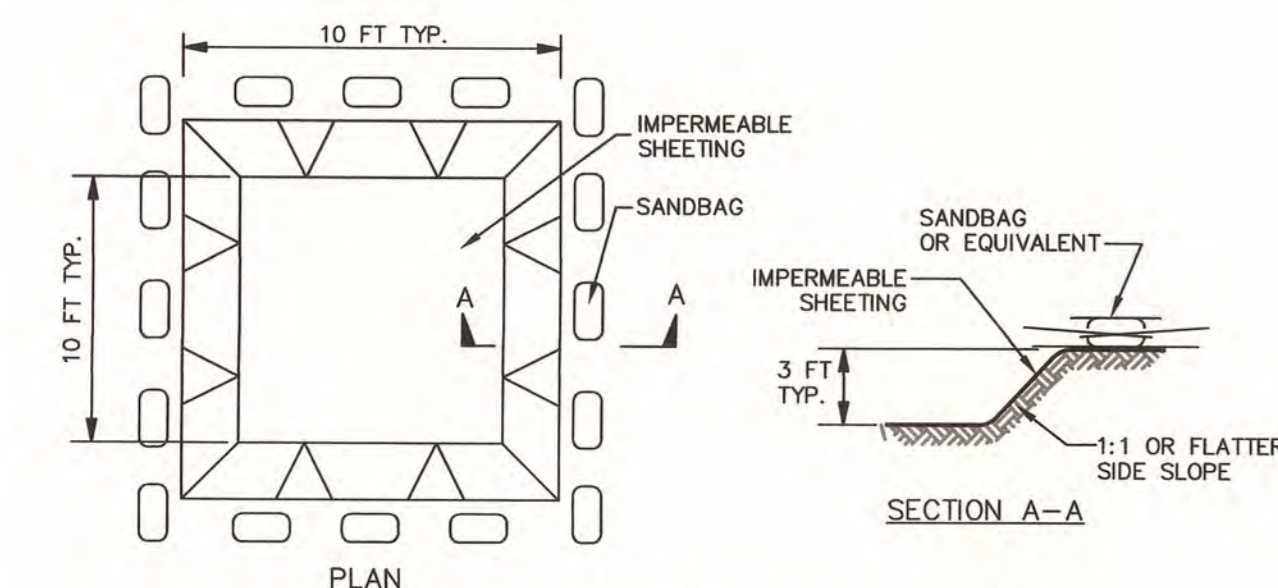
NOT TO SCALE



- ### CONSTRUCTION SPECIFICATIONS
- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 - LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 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.
 - FILTER CLOTH - 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 ACROSS 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 A AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

2 STABILIZED CONSTRUCTION ENTRANCE DETAIL

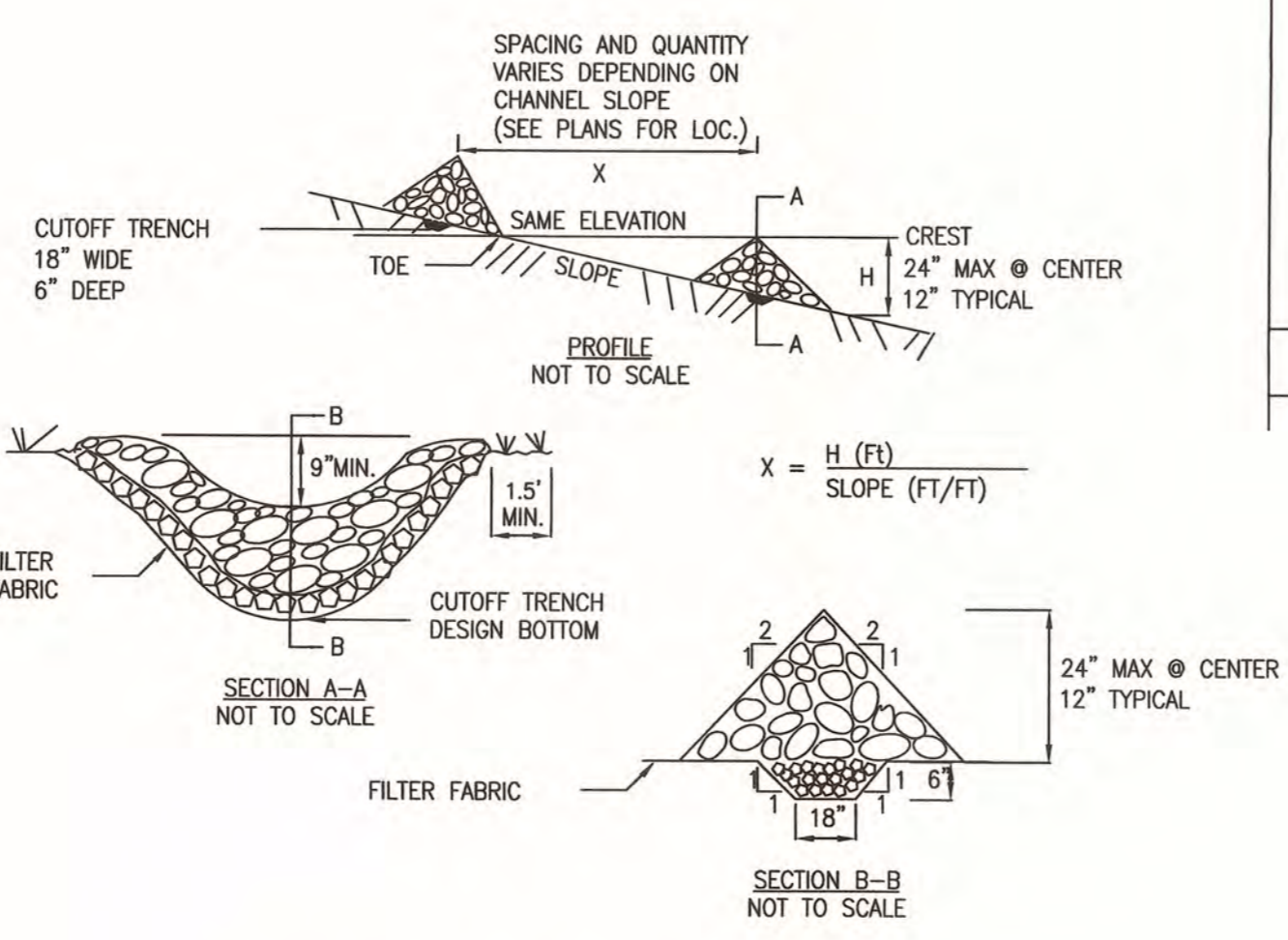
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- ### CONSTRUCTION SPECIFICATIONS
- DESIGNATED TEMPORARY, BELOW GROUND CONCRETE WASHOUT FACILITIES WILL BE CONSTRUCTED AS SHOWN ABOVE. WASHOUTS WILL BE CENTRALLY LOCATED AT THE DISCRETION OF THE INDIVIDUALS WHO MANAGE DAY TO DAY CONSTRUCTION ACTIVITIES. WASHOUTS SHALL HAVE A MINIMUM LENGTH AND WIDTH OF 10 FEET BUT MUST HAVE SUFFICIENT VOLUME TO CONTAIN ALL LIQUID CONCRETE WASTES GENERATED FROM WASHOUT OPERATIONS. THE WASHOUT AREAS WILL BE LINED WITH PLASTIC SHEETING AT LEAST 10 MILS THICK AND FREE OF ANY HOLES OR TEARS. SIGNS WILL BE POSTED MARKING THE LOCATION OF THE WASHOUT AREAS.
 - TEMPORARY CONCRETE WASHOUT FACILITIES WILL BE LOCATED A MINIMUM OF (50 FEET) FROM DRAIN INLETS.
 - KEEP THE WASHOUT AREAS WILL BE INSPECTED DAILY TO ENSURE THAT ALL CONCRETE WASHING IS BEING DISCHARGED INTO THE WASHOUT AREA, NO LEAKS OR TEARS ARE PRESENT, AND TO IDENTIFY WHEN CONCRETE WASTES NEED TO BE REMOVED. THE WASHOUT AREAS WILL BE CLEANED OUT ONCE THE AREA IS FILLED TO 75 PERCENT OF THE HOLDING CAPACITY. ONCE THE AREA'S HOLDING CAPACITY HAS BEEN REACHED THE CONCRETE WASTES WILL BE ALLOWED TO HARDEN. THE CONCRETE WILL BE BROKEN UP, REMOVED, AND DISPOSED IN ACCORDANCE WITH LOCAL REGULATIONS. THE PLASTIC SHEET WILL BE REPLACED IF TEARS OCCUR DURING REMOVAL OF CONCRETE WASTES FROM THE WASHOUT AREA.

3 CONCRETE WASHOUT DETAIL

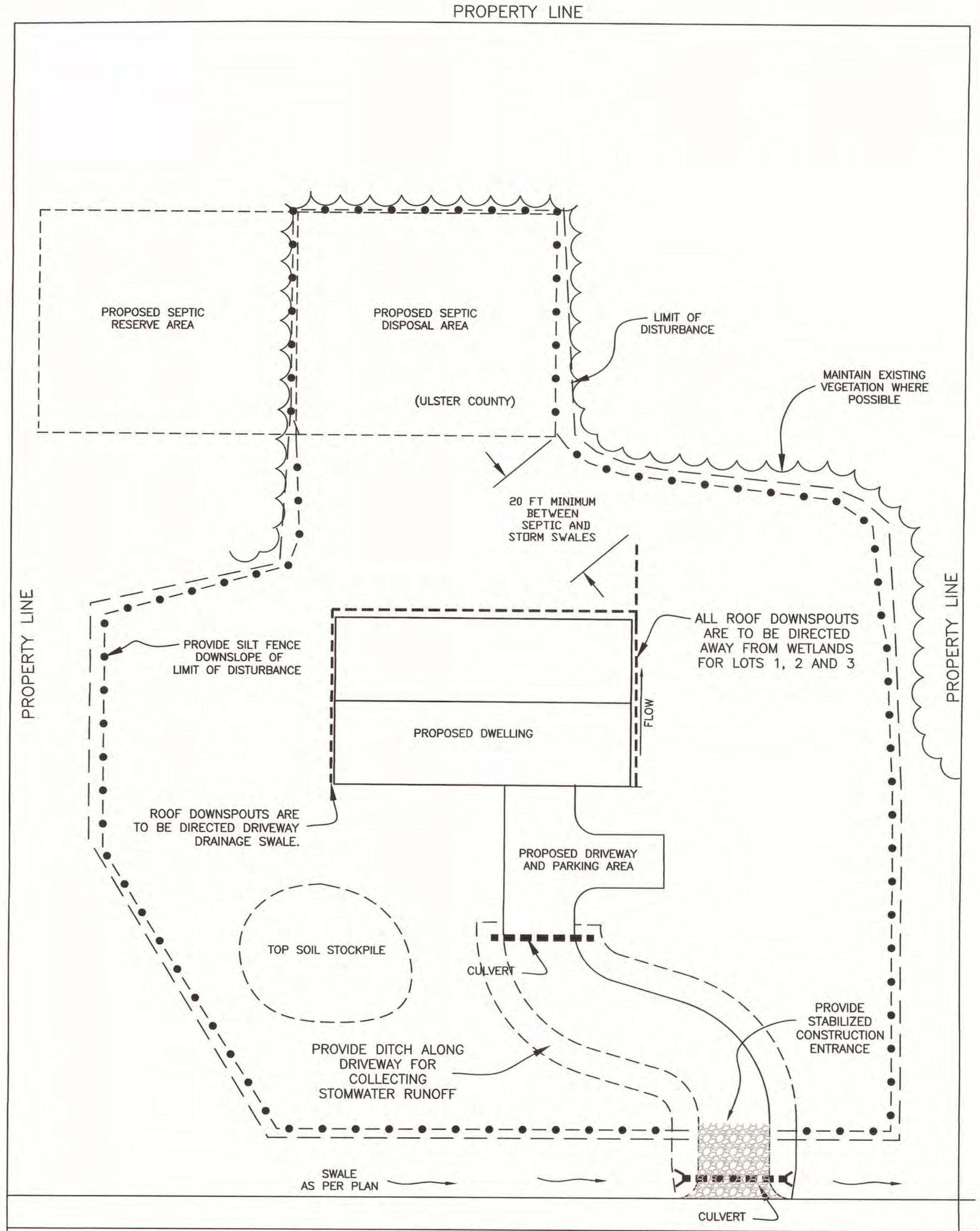
NOT TO SCALE



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

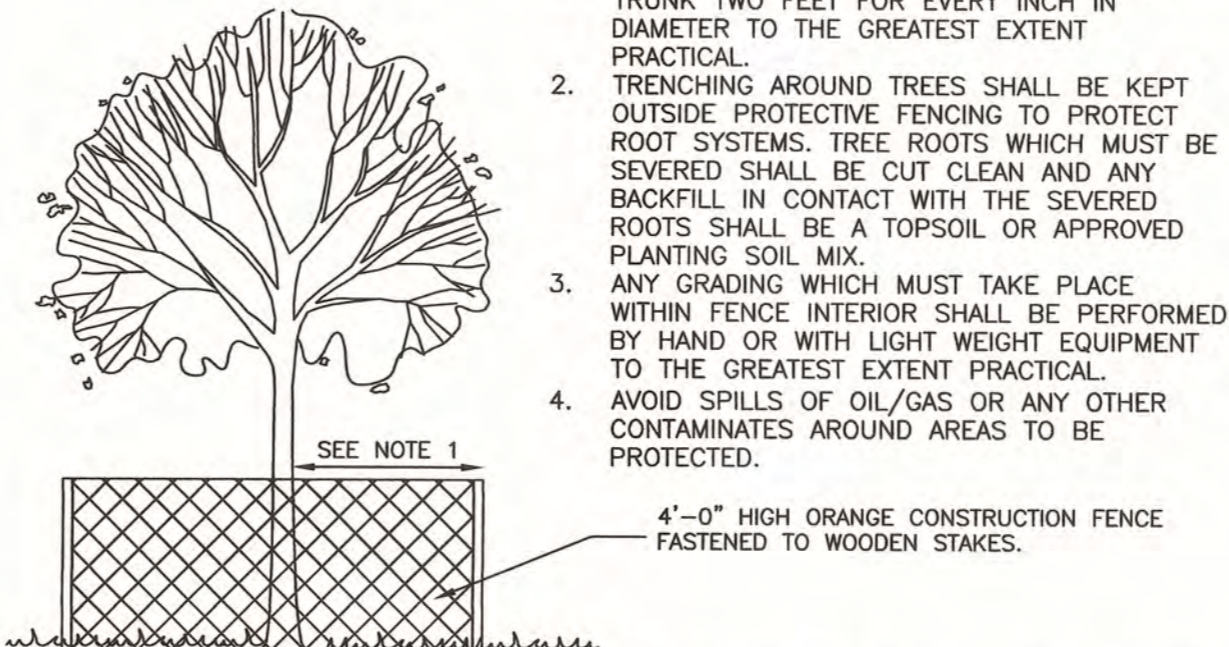
4 ROCK CHECK DAM TYPICAL DETAIL

NOT TO SCALE



5 TYPICAL HOMESITE SOIL EROSION AND SEDIMENT CONTROL

NOT TO SCALE



6 VEGETATION PROTECTION DETAIL

NOT TO SCALE

- NOTES:
- FENCE SHALL EXTEND OUT RADIIALLY FROM TRUNK TWO FEET FOR EVERY INCH IN DIAMETER TO THE GREATEST EXTENT PRACTICAL.
 - TRENCHING AROUND TREES SHALL BE KEPT OUTSIDE PROTECTIVE FENCING TO PROTECT ROOT SYSTEMS. TREE ROOTS WHICH MUST BE SEVERED SHALL BE CUT CLEAN AND ANY BACKFILL IN CONTACT WITH THE SEVERED ROOTS SHALL BE A TOPSOIL OR APPROVED PLANTING SOIL MIX.
 - ANY GRADING WHICH MUST TAKE PLACE WITHIN FENCE INTERIOR SHALL BE PERFORMED BY HAND OR WITH LIGHT WEIGHT EQUIPMENT TO THE GREATEST EXTENT PRACTICAL.
 - AVOID SPILLS OF OIL/GAS OR ANY OTHER CONTAMINATES AROUND AREAS TO BE PROTECTED.

- ### Individual Homesite Soil Erosion and Sediment Control Guidelines:
- 1. Install Stabilized Construction Entrance:**
To prevent vehicles and equipment from tracking sediment and mud off-site, apply gravel or crushed rock to the driveway area and restrict traffic to this one route. This practice will help keep soil from sticking to tires and stop soil from washing off into the street. Carry out periodic inspections and maintenance including washing, treading with additional stone, reworking, and compaction. Plan for periodic street cleaning to remove any sediment that may have been tracked off-site. Remove sediment by shoveling or sweeping and transport to a suitable disposal area where it can be stabilized.
 - 2. Stabilization of Denuded Areas:**
Stabilization measures must be initiated as soon as practicable, but in no case more than 14 days after the construction activity has ceased. In frozen ground conditions, stabilization measures must be initiated as soon as practicable. Where construction activity on a portion of the site is temporarily ceased, and earth-disturbing activities will be resumed within twenty-one (21) days, temporary stabilization measures need not be initiated on that portion of the site.
Stabilize denuded areas by implementing soil covering practices (e.g. mulching, matting, sodding). Exposed soils are the most prone to erosion from rainfall and runoff. Vegetation helps protect the soil from these forces and provides natural erosion control. Plan construction to limit the amount of exposed area, and avoid grading activity during the rainy season (November through March) as much as possible. Clearing limits should be clearly marked and kept as small as possible. Once construction is completed, the site must be permanently stabilized with topsoiling, seeding and plantings, or sodding if needed.
 - 3. Protection of Adjacent Properties:**
Keep sediment on-site by using structural and source control practices (e.g. vegetative buffer strips, silt fence, soil berms or dikes, etc.) Wherever possible, preserve a buffer of existing vegetation around the site boundary. This will help to decrease runoff velocities and trap sediment suspended in the runoff.
When excavating basement soils, move the soil to a location that is, or will be, vegetated, such as in the backyard or side yard area. This will increase the distance eroded soil must travel, through vegetation, to reach the storm sewer system. Piles should be situated so that sediment does not run into the street or adjoining yards. Soil piles should be temporarily seeded and circled with silt fence until the soil is either replaced or removed. Backfill basement walls as soon as possible and rough grade the lot. This will eliminate the large soil mounds, which are highly erodible, and prepare the lot for temporary cover. After backfilling, grade or remove excess soil from the site quickly, to eliminate any sediment loss from surplus fill.
 - 4. Concentrated Flow:**
For constructed drainage ways, or other areas of concentrated flow, install check dams according to the specifications to reduce erosion in the channel. As with other erosion controls, check dams must be inspected regularly. Remove sediment accumulated behind the dam as needed to allow channel to drain through the stone check dam and prevent large flows from carrying sediment over the dam. Replace stones as needed to maintain the design cross section of the structures. Sediment removal is crucial to the effectiveness of the dam-if not maintained, high flows could cause erosion around the sides of the structures, adding significant sediment loads downstream.
 - 5. Maintenance:**
Maintain erosion and sediment control practices through regular inspection. Regular maintenance is extremely important for the proper operation of structural practices. After initial groundbreaking, the builder shall conduct site inspections at least once every 14 calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater.

SEEDING MIX FOR DRY SWALES and WATER QUALITY BASINS

| APPLICATION | SPECIES | % PURE LIVE SEED | APPLICATION RATE | FERTILIZER | LIMING RATE | SEEDING DATE |
|-------------|--------------------------------|------------------|--------------------|-----------------------------|--------------------|------------------------------|
| TEMPORARY | ANNUAL RYE | 88.2% | 10 LBS./1000 S.Y. | 5-5-5 AT 207 LBS./1000 S.Y. | 413 LBS./1000 S.Y. | 3/15 TO 10/15 |
| PERMANENT | PERENNIAL RYE | 88.2% | 4 LBS./1000 S.Y. | SEE NOTE 1 BELOW | 800 LBS./1000 S.Y. | 3/15 TO 6/1 AND 9/1 TO 10/15 |
| | KENTUCKY BLUE GRASS MIX | 78.4% | 6 LBS./1000 S.Y. | | | |
| PERMANENT | TALL FESCUE (VAR. KENTUCKY 31) | 83.3% | 11 LBS./1000 S.Y. | SEE NOTE 1 BELOW | 800 LBS./1000 S.Y. | 4/1 TO 6/15 AND 9/1 TO 9/15 |
| | BIRDSFOOT TREFOL MIX | 44.74% | 2.0 LBS./1000 S.Y. | | | |
| PERMANENT | TREFOIL MIX | 73.6% | 1.0 LBS./1000 S.Y. | SEE NOTE 1 BELOW | 800 LBS./1000 S.Y. | 4/1 TO 9/15 |

- FERTILIZER SHALL BE APPLIED IN ACCORDANCE WITH A SOIL TEST. IN THE ABSENCE OF A SOIL TEST, FERTILIZER SHALL BE APPLIED AS FOLLOWS:
 - 10-20-20 ANALYSIS COMMERCIAL FERTILIZER AT 140 LBS./1000 S.Y.
 - 38-0-0 UREA FORM FERTILIZER AT 50 LBS./1000 S.Y.
 - 32-0-0 TO 38-0-0 SULFUR COATED UREA FERTILIZER AT 59-50 LBS./1000 S.Y.
 - 31-0-0 IBDU FERTILIZER AT 61 LBS./1000 S.Y.
- ALL SEEDED AREAS SHALL BE MULCHED WITH HAY OR STRAW APPLIED AT A RATE OF 8000 LBS./AC.
- ALL AREAS RECEIVING SEEDING SHALL HAVE A MINIMUM OF 4" OF ORGANIC TOPSOIL (1200 LBS./1000 S.Y.). MULCH TO BE ANCHORED WITH WOOD CELLULOSE FIBER AT 750 LBS./AC. OR EQUIV.
 - * BLUEGRASS MIX: A COMBINATION OF CERTIFIED VARIETIES EACH AT 25% OR LESS OF MIX.
 - ** MINIMUM 20% HARDESED AND 60% NORMAL SPROUTS.

FINAL PLAT:
SOIL EROSION & SEDIMENT CONTROL DETAILS,
INDIVIDUAL LOTS
FOR SUBDIVISION OF LANDS OF
SAHLER MILL FARM, LLC

SITUATE @ LOWER SAHLER MILL RD
TOWN OF OLIVE
ULSTER COUNTY, NEW YORK
DECEMBER 15, 2021

MEDENBACH & EGGERS
CIVIL ENGINEERING & LAND SURVEYING, P.C.
STONE RIDGE, NEW YORK (845) 687-0047

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SHEET 7 OF 7

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Wait The Required Time
Confirm Utility Response
Respect The Marks
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Any unauthorized alteration or addition to this plan is a violation of Sect. 7209, Subdivision 2 of N.Y.S. Education Law.