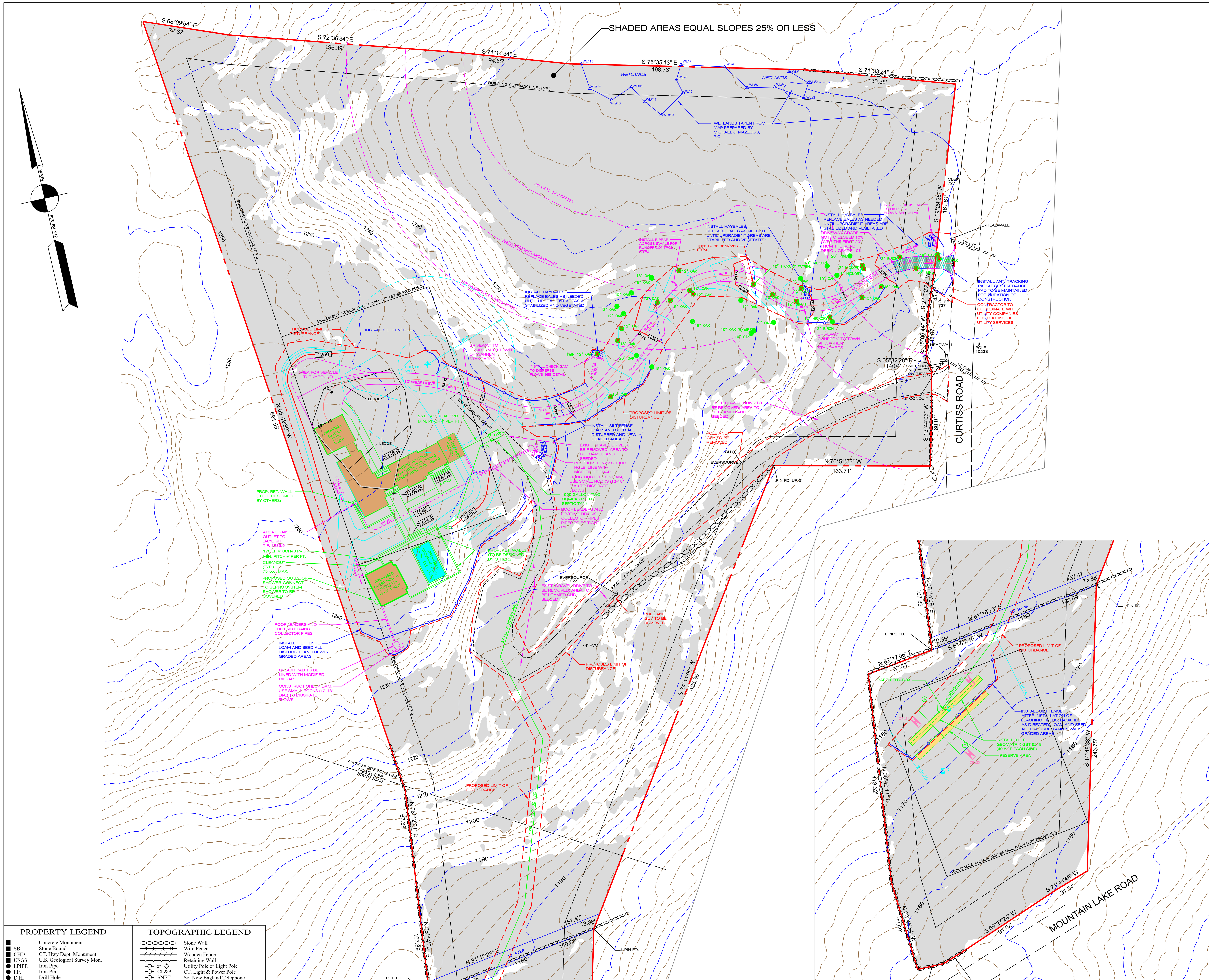

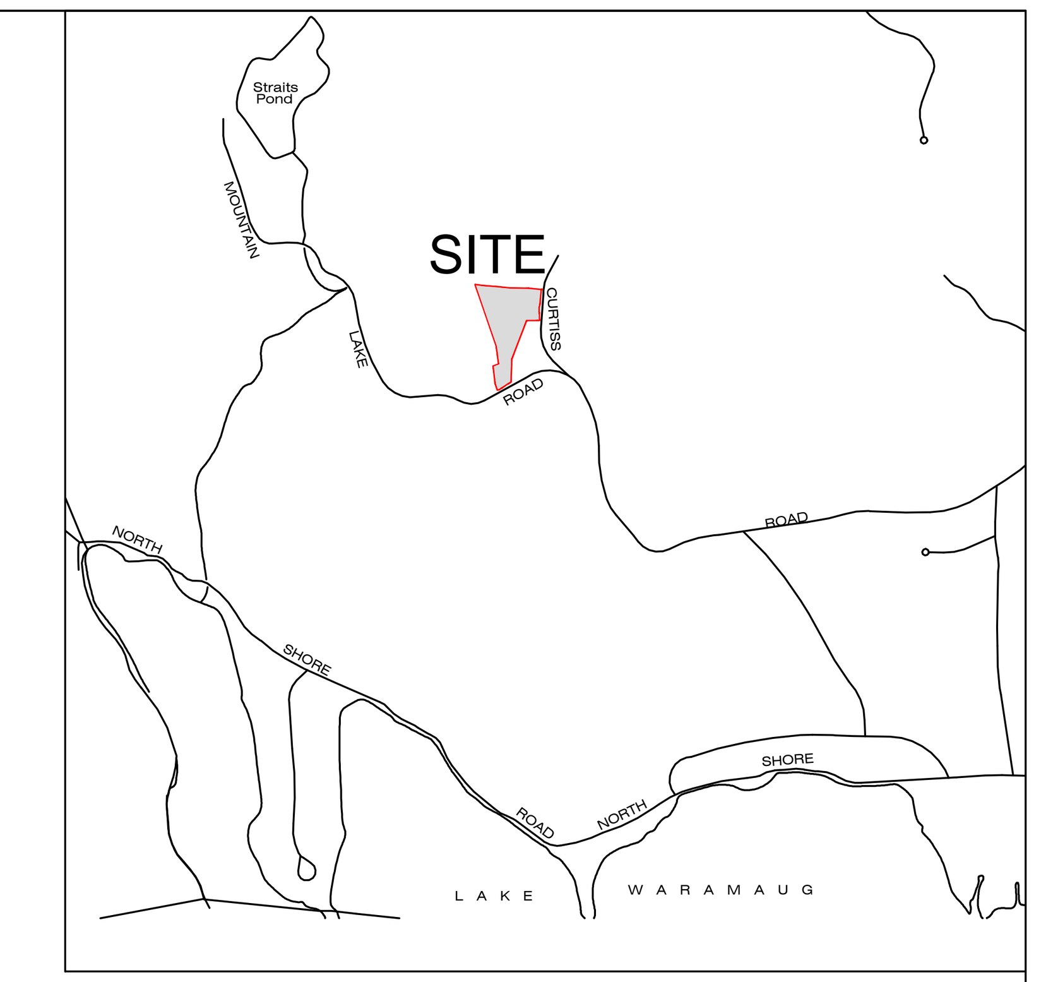

LOCATION MAP

SCALE: 1" = 2000'±

NOTES

1. THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE SECTIONS 20-300B-1 THROUGH 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - "MINIMUM STANDARDS FOR SURVEY AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS,INC. IT IS A DATA ACCUMULATION PLAN BASED UPON A RESURVEY AND THE BOUNDARY DETERMINATION CONFORMS TO HORIZONTAL CLASS "A-2" .
2. THIS PROPERTY IS SUBJECT TO ANY AND ALL PROVISIONS OF ANY STATUTE, ORDINANCE, MUNICIPAL REGULATION, PLANNING, ZONING OR WETLAND REGULATION; BUILDING LINE; PRIVATE OR PUBLIC UTILITY EASEMENT; LOCAL, STATE, FEDERAL OR PRIVATE RESTRICTION OR LAW; OR CLAIMS OF ADVERSE POSSESSION WHICH MAY AFFECT THE PREMISES. UNLESS OTHERWISE NOTED, THIS SURVEY DOES NOT NECESSARILY REFLECT ANY SUBSURFACE UTILITY LINES, WETLAND OR FLOOD PLAIN SOILS, BURIED DEBRIS OR OTHER SUBSURFACE ENCROACHMENTS, NOR DOES IT NECESSARILY REFLECT THE EXISTENCE OF ANY WASTE DUMPS OR HAZARDOUS MATERIALS. RIGHTS TO OCCUPANCY OR POSSESSION BY ANY INDIAN NATION OR TRIBE OF INDIANS OR THE CLAIM OF ANY GOVERNMENTAL BODY HAVE NOT BEEN INVESTIGATED BY THIS OFFICE.
3. THE NORTH ARROW BEARING IS PER MAP REFERENCE 2. THE VERTICAL DATUM IS BASED ON NAVD 88 DATUM.
4. AT THE AREA OF THE PROPOSED HOUSE AND EXISTING DRIVEWAY, THE CONTOURS DEPICTED REPRESENT A CLASS T-2 TOPOGRAPHIC SURVEY PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300B1 THRU 20-300B20 AND "THE STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996. THESE CONTOURS ARE THE RESULT OF A TOPOGRAPHIC SURVEY PREPARED BY THIS OFFICE. ALL OTHER CONTOURS DEPICTED ARE BASED ON STATE OF CT LIDAR (2016).
5. THE WARREN INLAND-WETLANDS AGENCY EXERCISES REGULATORY AUTHORITY OVER ACTIVITIES WITHIN 100' AND UP TO 200' OF WETLAND AREAS AND WATERCOURSES.
6. THE LIMITS OF INLAND WETLAND SOILS SHOWN HEREON WERE DELINEATED BY OTHERS AND WERE TAKEN FROM A MAP PREPARED BY MICHAEL A. MAZZUCO, P.C.
7. IT IS THE OWNER'S AND/OR RESPONSIBILITY TO OBTAIN ANY AND ALL REQUIRED PERMITS AND/OR VARIANCES THAT MAY BE REQUIRED PRIOR TO ANY CONSTRUCTION ACTIVITIES.
8. SUBJECT TO THE APPROVAL OF THE APPROPRIATE MUNICIPAL AGENCIES.
9. PROPOSED CALCULATIONS ARE BASED ON ARCHITECTURAL PLANS SUBMITTED BY THE ARCHITECT IN SOME CASES DIMENSIONS ARE SCALED. IT IS THE CONTRACTORS RESPONSIBILITY TO ADJUST FOR SIDING THAT WILL BE ADDED TO THE STRUCTURE WITH RESPECT TO COVERAGE AND SETBACKS. THE SURVEYOR ASSUMES NO RESPONSIBILITY FOR DETAILS THAT ARE NOT SUBMITTED FOR OUR REVIEW.
10. TOTAL AREA OF LOT IS 8.412+/- ACRES.
11. THIS PROPERTY IS SITUATED WITHIN THE NORTH AND SOUTH ZONE RESIDENTIAL DISTRICT.

REFERENCES

1. FOR TITLE TO PROPERTY, SEE WARRANTY DEED DATED NOV. 16, 2022, WHEREIN ELLIOTT B. DAVIS CONVEYED A PARCEL OF LAND KNOWN AS 152 CURTISS ROAD, WARREN, TO JOHN E. & KAREN C. MULLEN WHICH DEED IS RECORDED AT VOL. 97 PAGE 467.
2. MAP ENTITLED, "PROPERTY/BOUNDARY SURVEY, MAP SHOWING FIRST CUT" DATED APRIL 2013, REVISED OCT. 2014, PREPARED BY SAMUEL P. BERTACCINI, JR.. (ON FILE MAP 912).

IMPORTANT NOTE:
Additional underground utilities may exist
Prior to any excavation or construction,
Contact:
"CALL BEFORE YOU DIG" 1-800-922-4455

PROPERTY LEGEND

■		Concrete Monument
■	SB	Stone Bound
■	CHD	CT. Hwy Dept. Monument
■	USGS	U.S. Geological Survey Mon.
●	I.PIPE	Iron Pipe
●	I.P.	Iron Pin
●	D.H.	Drill Hole
●	B.P.	Brass Pin
■	S&T	Stake and Tack
	H.S.	Heap of Stones
○	F.P.	Fence Post
	Ex.	Existing
	Prop.	Proposed
	FD.	Found
	N/F	Now or Formerly
		Property Line
		Assumed Street or Highway Line
		Same Owner Each Side
△ WL 258		Wetland Flag (numbered)

TOPOGRAPHIC LEGEND

	Stone Wall
	Wire Fence
	Wooden Fence
	Retaining Wall
or	Utility Pole or Light Pole
CL&P	CT. Light & Power Pole
SNET	So. New England Telephone
WT Co	Woodbury Telephone Co.
MH	Manhole
CB	Catch Basin
	Evergreen Tree
or	Deciduous Tree
	Fire Hydrant
or	Sign
206	Existing Contours
206	Proposed Contours
RCP	Reinforced Concrete Pipe
CMP	Corrugated Metal Pipe
CPP	Corrugated Polyethylene Pipe

I HEREBY CERTIFY THAT THE SOIL EROSION CONTROL PLAN CONFORMS TO THE MINIMUM STANDARDS OF CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL (1985), AS AMENDED

Mark S. Riefenhauser, P.E. CT No. 21714

NOT VALID UNLESS EMBOSSED WITH SEAL OR FIXED WITH THE LIVE STAMP OF THE SIGNATORY

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

Charles S Spath Jr., L.S. #70056

NO.	DATE	DESCRIPTION
1	04-15-24	ADDED TREES AND MISC. REVISIONS

REVISIONS

SITE DEVELOPMENT PLAN
OVERALL PARCEL

PREPARED FOR

JOHN E. & KAREN C. MULLEN

152 CURTISS ROAD
WARREN, CT

SCALE: 1" = 40'

MAP DATE: 03-07-24

SMITH & Company
Surveyors Engineers
Formerly Bradford E. Smith & Son
247 Main Street South, Woodbury, CT. 06798-0996 Tel. 203.263.0068

0 1 2 3 4 5
INCHES ON ORIGINAL

DRAWN
MSR

CHECKED
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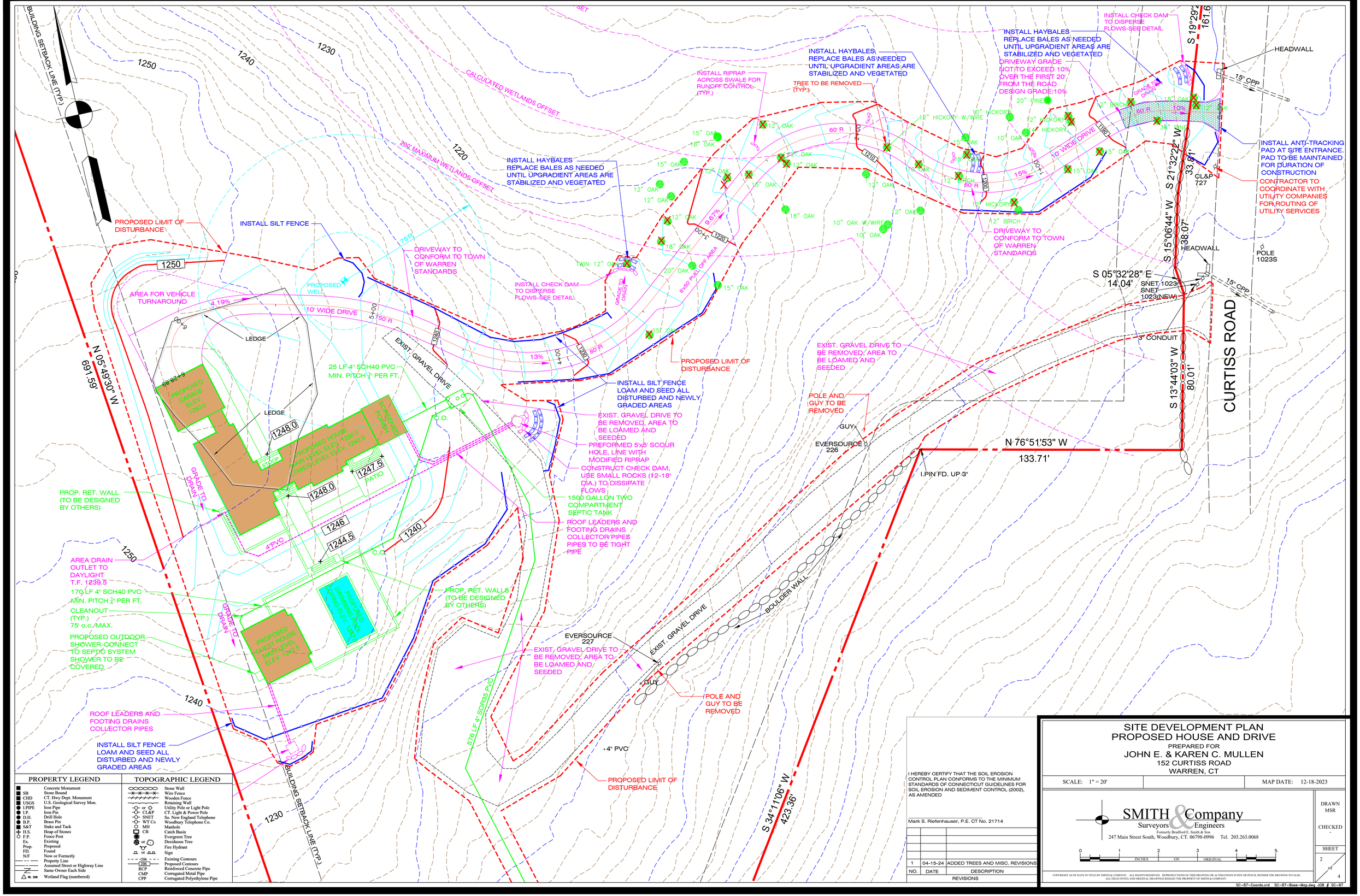
SHEET
1 of 4

SC-87-Coords.crd SC-87-Base-Map.dwg JOB # SC-87



PROPERTY LEGEND		TOPOGRAPHIC LEGEND	
■	Concrete Monument		Stone Wall
■ SB	Stone Bound		Wire Fence
■ CHD	CT. Hwy Dept. Monument		Wooden Fence
■ USGS	U.S. Geological Survey Mon.		Retaining Wall
● I.PIPE	Iron Pipe	or	Utility Pole or Light Pole
● I.P.	Iron Pin	or	CT. Light & Power Pole
● D.H.	Drill Hole	or	So. New England Telephone
● B.P.	Brass Pin	or	Woodbury Telephone Co.
■ S&T	Stake and Tack	MH	Manhole
■ H.S.	Heap of Stones	CB	Catch Basin
○ F.P.	Fence Post		Evergreen Tree
Ex.	Existing	or	Deciduous Tree
Prop.	Proposed		Fire Hydrant
FD.	Found	or	Sign
N/F	Now or Formerly	-206-	Existing Contours
	Property Line	206	Proposed Contours
	Assumed Street or Highway Line	RCP	Reinforced Concrete Pipe
	Same Owner Each Side	CMP	Corrugated Metal Pipe
EL 206	Wetland Flag (numbered)	CPP	Corrugated Polyethylene Pipe

I HEREBY CERTIFY THAT THE SOIL EROSION CONTROL PLAN CONFORMS TO THE MINIMUM STANDARDS OF CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL (2002), AS AMENDED

Mark S. Riefenhauser, P.E. CT No. 21714

NO.	DATE	DESCRIPTION
1	04-15-24	ADDED TREES AND MISC. REVISIONS

REVISIONS

SITE DEVELOPMENT PLAN
PROPOSED HOUSE AND DRIVE

PREPARED FOR

JOHN E. & KAREN C. MULLEN

152 CURTISS ROAD

WARREN, CT

SCALE: 1" = 20' | MAP DATE: 12-18-2023

SMITH & Company
Surveyors Engineers
Formerly Bradford E. Smith & Son
247 Main Street South, Woodbury, CT. 06798-0996 Tel. 203.263.0068

0 1 2 3 4 5
INCHES ON ORIGINAL

DRAWN MSR

CHECKED -

SHEET 2 of 4

SC-87-Coords.crd SC-87-Base-Map.dwg JOB # SC-87

ON-SITE SUBSURFACE SEWAGE DISPOSAL SYSTEM NOTES

1. PROVIDE A 1500 GALLON TWO COMPARTMENT SEPTIC TANK AS MANUFACTURED BY RICHARD SEPTIC SYSTEMS, INC. OR EQUAL. THE SEAMS OF THE TANK SHALL BE TARRED OR WATER SEALED PRIOR TO TANK INSTALLATION. INLET AND OUTLET PIPES SHALL ALSO BE SEALED WATERTIGHT. IF COVER OVER TANK IS GREATER THAN 12", RISERS SHALL BE INSTALLED TO GRADE. RISERS SHALL BE WATERTIGHT AND SEALED ON TOP OF THE TANK. SEPTIC TANK IS TO BE PROVIDED WITH AN APPROVED OUTLET FILTER THAT MEETS THE CURRENT HEALTH CODE. SEPTIC TANK SHALL BE LAID LEVEL ON A 6" BED OF CRUSHED STONE.

2. BUILDING SEWER TO BE CONSTRUCTED OF 4" SCH40 PVC (ASTM D1785/ASTM D2665) PIPE WITH RUBBER COMPRESSION GASKET JOINTS OR EQUAL. MINIMUM PITCH ON BUILDING SEWER FROM BUILDING TO SEPTIC TANK TO BE ONE-QUARTER-INCH PER FOOT AND SEWER FROM SEPTIC TANK TO LEACHING SYSTEM TO BE ONE-EIGHTH-INCH PER FOOT. ALL EFFLUENT PIPES DISPERSING FLOWS TO DISTRIBUTION BOXES TO BE 4" SOLID PVC (ASTM D3034, SDR 35) WITH INTEGRAL RUBBER COMPRESSION GASKET JOINTS OR EQUAL. CHANGES IN DIRECTION TO BE MADE WITH THE APPROPRIATE COMMERCIALLY MANUFACTURED FITTINGS. ALL PIPES TO BE PROPERLY SEALED INTO SEPTIC TANK AND DISTRIBUTION BOXES AND PROPERLY SUPPORTED. USE DISTRIBUTION BOXES AS MANUFACTURED BY RICHARD SEPTIC SYSTEMS, INC. OR EQUAL. THE PERFORATED EFFLUENT DISTRIBUTION PIPE IS TO BE 4" DIAMETER SDR35 PVC PIPE.

3. THE LEACHING AREA SHALL BE LOCATED BY FIELD STAKES OR MARKERS, PRIOR TO ANY SITE WORK, IN ORDER TO CLEARLY IDENTIFY THE LEACHING AREA AND TO PROTECT IT FROM ALL CONSTRUCTION TRAFFIC & POTENTIAL DAMAGE.

4. CLEAR LEACHING AREA OF TREES AND SHRUBS BY CUTTING VEGETATION FLUSH WITH EXISTING GRADE. STUMPS SHALL BE REMOVED AND DISPOSED OF PROPERLY. TOPSOIL TO BE REMOVED WITH CARE BEFORE PLACING SELECT BACKFILL MATERIAL. PROTECT THE PREPARED SURFACE FROM MACHINE OR VEHICULAR TRAFFIC.

5. REMOVE ALL ROCKS OF 18" OR LARGER BEFORE THE INSTALLATION OF THE LEACHING AREA. THE AREA WHERE THE ROCKS HAVE BEEN REMOVED SELECT FILL IS TO BE PLACED AND COMPACTED. FINISH GRADE THE LEACHING AREA WITH SELECT FILL MATERIAL TO THE DEPTH AND SLOPE AS SHOWN ON THE CROSS SECTIONS.

6. AN INSPECTION BY THE TORRINGTON AREA HEALTH DISTRICT, DESIGN ENGINEER, AND THE LICENSED INSTALLER SHALL BE CONDUCTED PRIOR TO THE PLACEMENT OF ANY MATERIAL OR FILL IN THE PRIMARY LEACHING AREA. IF THERE ARE ANY PROBLEMS NOTED DURING INSPECTION (BY THE HEALTH DISTRICT, ENGINEER, OR INSTALLER) FURTHER TESTING AND/OR PERMIT REVOCATION MAY TAKE PLACE IN ORDER TO CONFIRM CONFORMANCE WITH THE PROPOSED DESIGN CRITERIA AND PROTECTION OF THE SSDS.

7. THE RESPONSIBILITY FOR THE PREPARATION OF A LEACHING AREA UTILIZING SELECT FILL MATERIAL IS THAT OF THE LICENSED INSTALLER. THE INSTALLER SHALL TAKE THE NECESSARY STEPS TO PROTECT THE UNDERLYING NATURALLY OCCURRING SOILS FROM OVER COMPACTION AND SILTATION ONCE EXPOSED.

8. SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE COMPRISED OF CLEAN SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY A PROFESSIONAL ENGINEER FOR USE WITHIN THE LEACHING AREA
A. THE SELECT FILL IS TO BE ASTM C33 SAND WITH LESS THAN 10% PASSING A #100 SIEVE, AND LESS THAN 5% PASSING A #200 SIEVE.

SIEVE SIZE:	PERCENT PASSING WET SIEVE
0.375"	100
#4	95.0-100
#8	80.0 - 100
#16	50.0-85.0
#30	25.0-60.0
#50	5.0-30.0
#100	< 10.0
#200:	< 5.0

THE SIEVE ANALYSIS SHALL HAVE A CURRENT DATE AND JOB LOCATION. THE ENGINEER AND THE HEALTH DISTRICT MUST APPROVE THE SELECT FILL PRIOR TO ITS USE IN THE LEACHING FIELD.

9. THE INSTALLER SHALL TAKE THE NECESSARY STEPS TO PROTECT THE UNDERLYING RECEIVING SOIL FROM OVER COMPACTION/DAMAGE. THE INSTALLER IS RESPONSIBLE FOR PROPERLY COMPACTING SELECT FILL TO FACILITATE CONSTRUCTION AND TO PREVENT SETTLING.

10. ALL STONE MATERIAL FOR THE LEACHING SYSTEM IS TO BE No. 6 STONE AGGREGATE (a.k.a 3/4" STONE) AND FREE OF SILT, DIRT, OR DEBRIS.

11. NON-SELECT FILL SHALL BE A CLEAN LOAM OR BETTER FREE OF ORGANIC MATTER.

12. THERE IS NO APPARENT INTERFERENCE WITH WELLS OR SEPTIC SYSTEMS ON ADJACENT PROPERTIES.

13. THE CONTRACTOR MUST OBTAIN ALL NECESSARY PERMITS FROM THE LOCAL AGENCIES PRIOR TO CONSTRUCTION.

14. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND HEALTH DISTRICT WITHIN 24 HOURS BEFORE COMMENCING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE INSTALLER TO KEEP BOTH THE ENGINEER AND THE HEALTH DISTRICT INFORMED OF CONSTRUCTION PROGRESS. THE ENGINEER SHALL ALSO BE NOTIFIED AT LEAST ONCE DURING CONSTRUCTION AND FOR FINAL INSPECTION.

15. UNDERGROUND SOIL INFORMATION HAS BEEN OBTAINED FROM DEEP TEST HOLES WITHIN THE AREA OF THE PROPOSED SYSTEM AS SHOWN OF THE PLAN. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE HEALTH DISTRICT, AND THE ENGINEER, SHOULD CONDITIONS ENCOUNTERED DIFFER FROM THOSE STATED ON THIS PLAN. THIS INCLUDES DEPTH OF LEDGE, AND OBSERVED GROUNDWATER DEPTH.

16. INSTALLATION OF THIS SYSTEM IS UNDER THE JURISDICTION OF THE TORRINGTON AREA HEALTH DISTRICT. NO WATER LINE SHALL BE WITHIN 10 FT. OF ANY PORTION OF THE SEPTIC SYSTEM. DURING CONSTRUCTION, ANY DEVIATION FROM THIS PLAN MUST BE APPROVED BY THE HEALTH DISTRICT, AND THE ENGINEER.

17. EROSION AND SEDIMENT CONTROL MEASURES SPECIFIED IN THE PLAN SHALL BE MAINTAINED UNTIL DISTURBED AREAS HAVE BEEN STABILIZED.

18. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL SUBMIT RECORD DRAWINGS TO THE HEALTH DISTRICT AND THE ENGINEER. THE RECORD DRAWINGS SHALL GIVE TWO (2) TIES TO ALL DISTRIBUTION BOXES, LOCATION OF TANKS AND LEACHING FIELD AND INVERT ELEVATIONS.

19. RECORD DIMENSIONS ARE TO BE SUBMITTED BY THE ENGINEER TO THE TORRINGTON HEALTH DISTRICT UPON COMPLETION, INSPECTION AND FIELD APPROVAL OF THE SYSTEM.

20. THE CONTRACTOR IS TO VERIFY TOPOGRAPHIC INFORMATION AND LOCATIONS OF ALL UTILITIES PRIOR TO INSTALLATION OF THE SEPTIC SYSTEM.

21. THE CONTRACTOR IS TO CONTACT 'CALL BEFORE YOU DIG' TO HAVE ALL UTILITY LINES CLEARLY MARKED PRIOR TO ANY EXCAVATION.

22. THIS SYSTEM IS NOT DESIGNED FOR THE DISCHARGES FROM GARBAGE DISPOSALS OR WATER TREATMENT DEVICES.

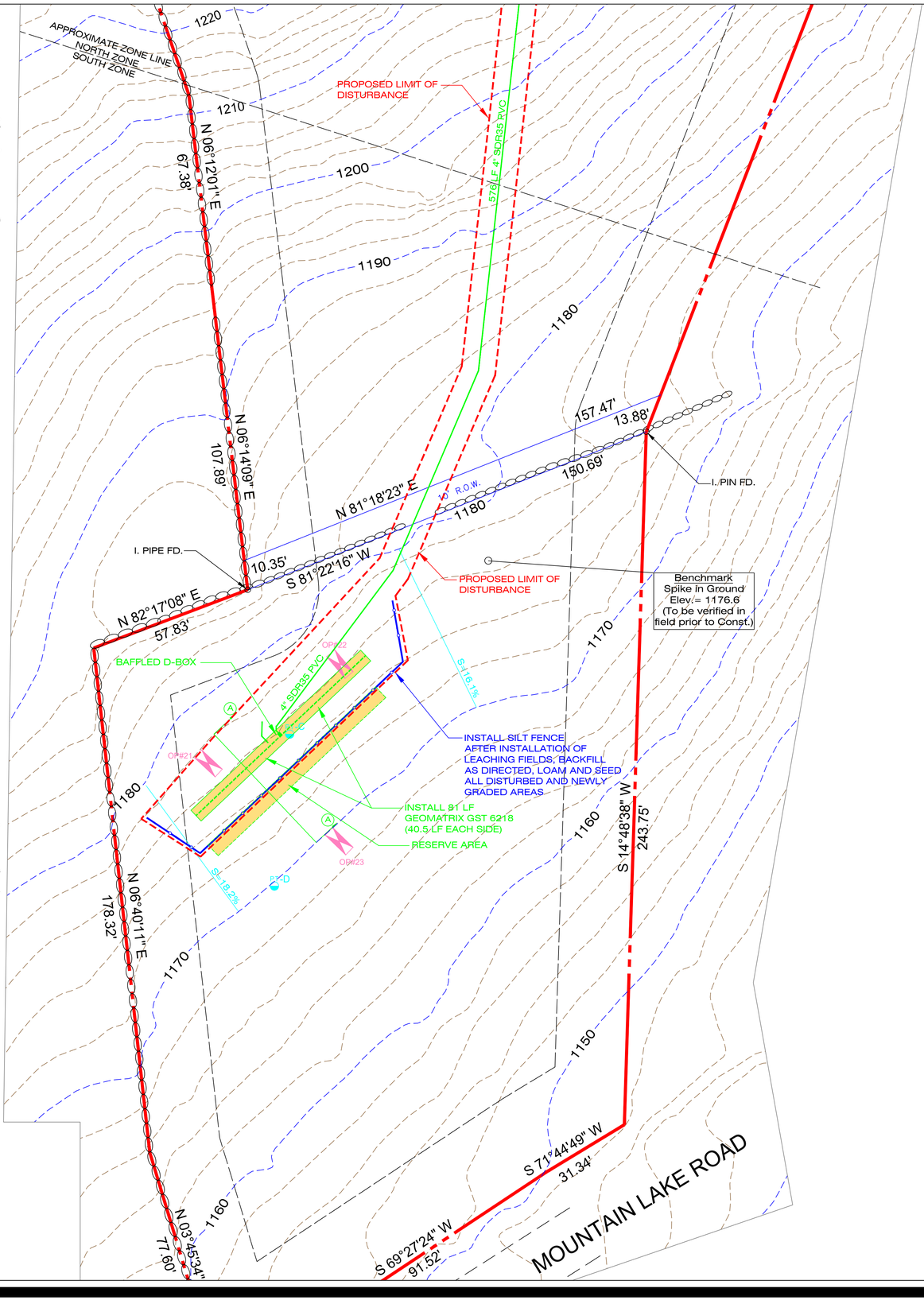
23. THERE SHALL BE NO ROOF LEADERS, SUMP PUMPS, FOUNDATION DRAINS, YARD DRAINS OR OTHER CONTINUOUS SOURCE OF WATER THAT DISCHARGES INTO THE SUBSURFACE DISPOSAL SYSTEM. FINAL GRADE THE SITE AND SEPTIC AREA TO PREVENT SURFACE DRAINAGE FROM ENTERING THE SYSTEM.

24. THIS DESIGN CONFORMS TO APPLICABLE CODES AND ACCEPTED PRACTICE. NO OTHER WARRANTY IS EXPRESSED OR IMPLIED. THE DESIGN OF THIS SEWAGE DISPOSAL SYSTEM IS IN CONFORMANCE WITH STATE AND LOCAL SANITARY CODE REQUIREMENTS AS WELL AS ACCEPTED PROFESSIONAL DESIGN PRINCIPLES. IT IS IN NO WAY A GUARANTEE AGAINST FAILURE DUE TO INDETERMINABLE FUTURE CIRCUMSTANCES INVOLVING INSTALLATION, SITE GRADING, WATER USAGE AND MAINTENANCE OF THE SYSTEM OR VARIATIONS IN SOIL OR GROUND WATER CONDITIONS BEYOND THE SCOPE OF NORMAL FIELD INVESTIGATION.

NOT VALID UNLESS EMBOSSED WITH SEAL OR FIXED WITH THE LIVE STAMP OF THE SIGNATORY.

I hereby declare that the percolation tests shown hereon were conducted in accordance with the current health code of the state of Connecticut by the staff of Smith & Company unless otherwise noted above. This is in no way a guarantee against failure due to indeterminable circumstances or natural phenomenon beyond the scope of normal investigation

Mark S. Riefenhauser, P.E. CT No. 21714



DESIGN DATA:

MLSS CALCULATION

SLOPE = >15%
RESTRICTIVE LAYER >60"
HENCE HF = MLSS NEED NOT BE CONSIDERED

PRIMARY SYSTEM SPECIFICATIONS

TOTAL EFFECTIVE LEACHING AREA REQUIRED = 1125 S.F.
MAIN HOUSE (675 SF + 2112.5 SF) POOL HOUSE 225 SF)
INSTALL 1500 GAL. SEPTIC TANK (SEE NOTE 1)
INSTALL 81 LINEAR FEET OF GEOMATRIX GST6218
TOTAL EFFECTIVE AREA PROVIDED = 1134 S.F. FOR PROPOSED 6 BEDROOM RESIDENCE(5 IN MAIN HOUSE AND 1 IN POOL HOUSE).

APPROXIMATE PROPOSED ELEVATIONS

FIRST FLOOR = 1250.00 BASEMENT = 1240.00
EFFLUENT LINE AT MAIN HOUSE (INVERT) = 1236.00
EFFLUENT LINE AT GUEST HOUSE (INVERT) = 1240.00
SEPTIC TANK INLET (INVERT-MAIN HOUSE) = 1235.45
SEPTIC TANK INLET (INVERT-GUEST HOUSE) = 1235.45
SEPTIC TANK OUTLET (INVERT) = 1235.20
DBOX (INVERT IN) = 1174.7
DBOX (INVERT LATERALS) = 1174.5
BOTTOM OF GEOMATRIX GST6218 =1173.00

BENCHMARK

ELEVATION = 1176.6
TO BE VERIFIED BY SURVEYOR PRIOR TO CONSTRUCTION.

Test Date: 4/3/2013
Performed by Brian E. Neff, PE

OBSERVATION PIT: NO. 21
0 - 8" Dark brown topsoil
8 - 32" Orange brown fine sand loam
32 - 76" Grey & brown fine sand loam with some silt & trace gravel
No Ledge observed
No Mottling observed
No Groundwater observed
32" Roots observed

OBSERVATION PIT: NO. 22
0 - 8" Dark brown topsoil
8 - 30" Orange brown fine sand loam
30 - 78" Grey & brown fine sand loam with some silt & trace gravel
No Ledge observed
No Mottling observed
No Groundwater observed
48" Roots observed

OBSERVATION PIT: NO. 23
0 - 8" Dark brown topsoil
8 - 31" Orange brown fine sand loam
31 - 80" Grey & brown fine sand loam with some silt & trace gravel
No Ledge observed
No Mottling observed
No Groundwater observed
44" Roots observed

Test Date: 4/3/2013
Inspected by: Brian E. Neff, PE

Perc Hole C
Depth 24"
Presoak
Start Time = 1 hour
End Time = 10:40

TIME (mins.)	Depth (inches)
0	8.125
10	11.625
20	13.5
30	15.125
40	16.25
50	17.75
60	18.625

Final Perc Rate = 11.4 min./inch

Perc Hole D
Depth 24"
Presoak
Start Time = 1 hour
End Time = 10:45

TIME (mins.)	Depth (inches)
0	8.5
10	11.375
20	13
30	14.625
40	15.875
50	16.75
60	17.625

Final Perc Rate = 11.4 min./inch

NO.	DATE	DESCRIPTION
1	04-15-24	REV. PER TAHD COMMENTS
		REVISIONS

SITE DEVELOPMENT PLAN
SEPTIC SYSTEM PLAN

PREPARED FOR
JOHN E. & KAREN C. MULLEN
152 CURTISS ROAD
WARREN, CT

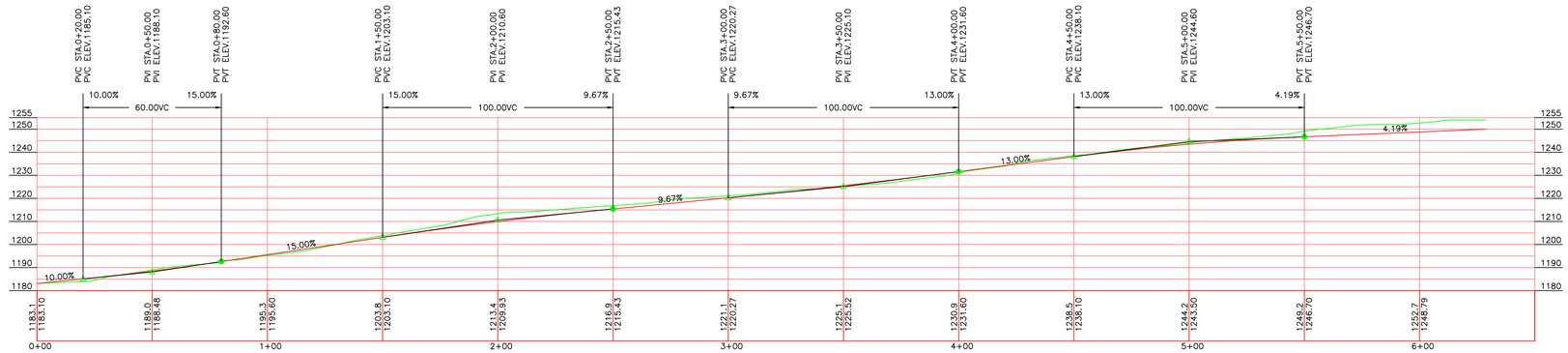
SCALE: 1" = 20' | MAP DATE: 03-07-24

SMITH & Company
Surveyors & Engineers
Formerly Bradford E. Smith & Son
247 Main Street South, Woodbury, CT. 06798-0996 Tel. 203.263.0068

0 1 2 3 4 5
INCHES ON ORIGINAL

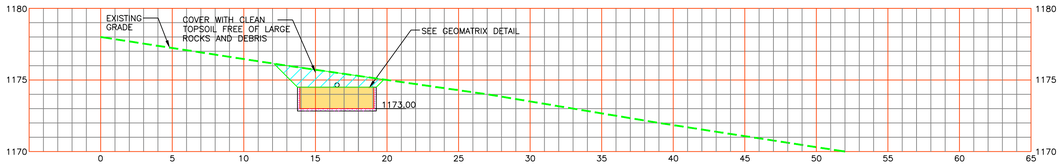
DRAWN MSR
CHECKED -
SHEET 3 of 4

SC-87-Coords.crd SC-87-Base-Map.dwg JOB # SC-87



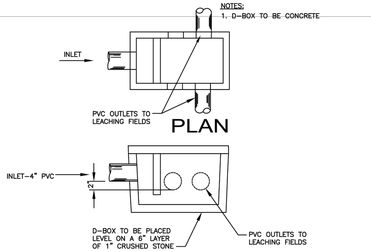
DRIVEWAY PROFILE

SCALE: 1" = 30'



CROSS SECTION A - A (SEPTIC)

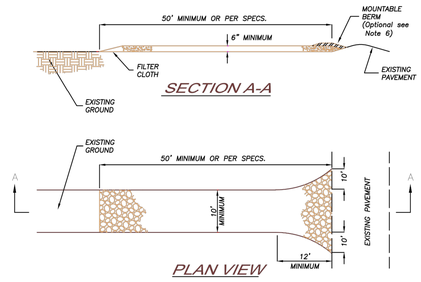
SCALE: 1" = 5'



BAFFLED DISTRIBUTION BOX

NOT TO SCALE

SEE SITE PLAN FOR PIPING ORIENTATION

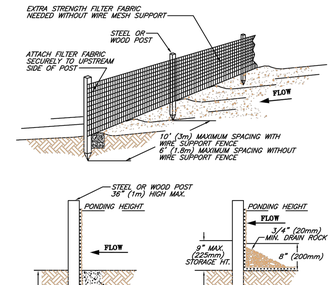


NOTES:

1. *STONE SIZE – USE 1" – 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.*
2. *LENGTH – AS REQUIRED, BUT NOT LESS THAN 50 FEET.*
3. *THICKNESS – NOT LESS THAN SIX (6) INCHES.*
4. *WIDTH – 10 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.*
5. *FILTER CLOTH – TO 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. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURE USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DRIPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.*
8. *WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN 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.*

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

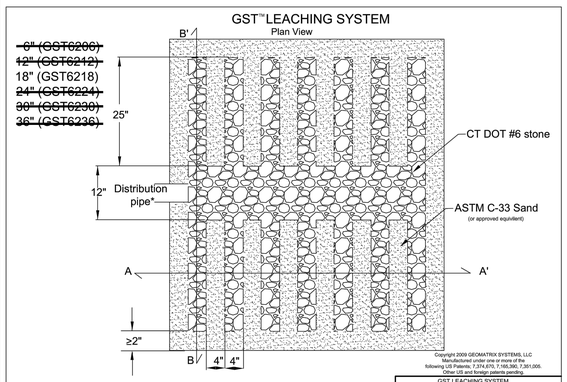


NOTES:

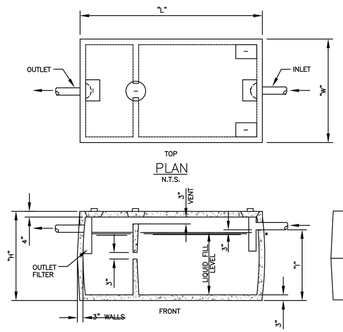
1. *SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.*
2. *INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. 9" (225mm) MAXIMUM RECOMMENDED STORAGE HEIGHT.*
3. *REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.*

SILT FENCE DETAIL

NOT TO SCALE



*3" min. I.D., ASTM D-3034, SDR 35 pipe for gravity applications
0.75" min. I.D., ASTM D-2665, SCH 40 PVC pipe for pressure applications

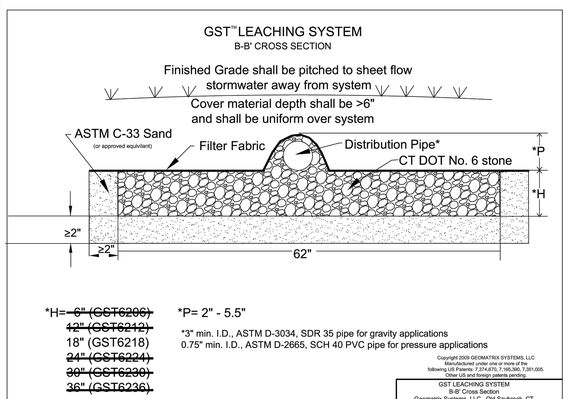


DESIGN NOTES:
1. 4000 PSI-28 DAYS.
2. MEETS OR EXCEEDS STATE AND LOCAL REQUIREMENTS.
3. ALL SHIPLAP JOINTS SEALED WITH BUTYL RUBBER.
4. TANK TO BE CONSTRUCTED TO HANDLE H-10 LOADING.
5. TWO COMPARTMENT TANK.
6. IF RISER ASSEMBLIES ARE UTILIZED OVER CLEANOUT OPENINGS, IT IS RECOMMENDED THAT THE COVERS BE LEFT ON THE TANK FOR SAFETY REASONS, AND TO AVOID POTENTIAL ODOR PROBLEMS. SHOULD THE TANK COVER BE REMOVED, A SECONDARY SAFETY LID OR DEVICE SHALL BE PROVIDED. SECONDARY SAFETY LIDS OR DEVICES ARE REQUIRED TO BE UTILIZED FOR SAFETY REASONS EVEN IF THE RISER COVER WEIGHS MORE THAN 59 LBS.

SEPTIC TANK DETAIL

NOT TO SCALE

LIQUID CAPACITY	LENGTH "L"	WIDTH "W"	INVERT "I"	HEIGHT "H"
1500	9'-9"	6'-6"	4'-7"	5'-4"



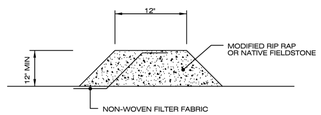
*H= ~~6" (GST6206)~~
~~12" (GST6212)~~
18" (GST6218)
~~24" (GST6224)~~
~~30" (GST6230)~~
~~36" (GST6236)~~

*P= 2" - 5.5"

*3" min. I.D., ASTM D-3034, SDR 35 pipe for gravity applications
0.75" min. I.D., ASTM D-2665, SCH 40 PVC pipe for pressure applications

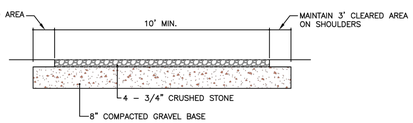
GST LEACHING SYSTEM
B-B' Cross Section
Geomatrix Systems, LLC., Old Saybrook, CT
860-510-0730

Scale:	none	REV:	C--OL/28/09
DATE:	6/28/2007	AUTO No.	569 00 B-B' .DWG
Drawn BY:	ERP	SHEET:	3 OF 3



STONE CHECK DAM

NOT TO SCALE



DRIVEWAY GRADES EXCEEDING 10% SHOULD BE PAVED.

DRIVEWAY DETAIL

NOT TO SCALE

NO.	DATE	DESCRIPTION
1	04-10-24	ADDED STONE CHECK DAM DETAIL

REVISIONS

NOTES AND DETAILS

PREPARED FOR
JOHN E. & KAREN C. MULLEN
152 CURTISS ROAD
WARREN, CT

SCALE: AS NOTED		MAP DATE: 03-07-24

SMITH & Company
Surveyors & Engineers
Formerly Bradford E. Smith & Son
247 Main Street South, Woodbury, CT. 06798-0996 Tel. 203.263.0068

0 1 2 3 4 5
INCHES ON ORIGINAL

DRAWN MSR
CHECKED -
SHEET 4 of 4

SC--87--Coords.crd SC--87--Base--Map.dwg JOB # SC--87