

Incorporated 1787

Conservation Commission

INLAND WETLANDS AND WATERCOURSES APPLICATION

This Application is for a five-year permit to conduct a regulated activity or activities pursuant to the Inland Wetlands and Watercourses Regulations of the Town of Weston ("The Regulations")

PROPERTY ADDRESS: 5 TIFFANY CN
Assessor's Map # Block # Lot # Lot #
PROJECT DESCRIPTION (general purpose)
Total Acres Total Acres of Wetlands and Watercourses
Acreage of Wetlands and Watercourses Altered Upland Area Altered
Acres Linear Feet of Stream Alteration Total Acres Proposed Open Space
OWNER(S) OF RECORD: (Please list all owners, attach extra sheet if necessary)
Name: LLL ASSET HOLDINGS GO DULIO EGO-AGUIRLE Phone:
Address: 4515 COLE NE 41175, DMLAS, TX 75205
Email: julio @ ego aguirre.com
APPLICANT/AUTHORIZED AGENT:
Name: BRYAN NESTERIAK BAB ENGINEERING Phone: 203.891.8145
Address: 15 RESEALCH Dr. SUITE 3 , WOODBRIDGE, CT 06525
Email: bnebbengrs.com
CONSULTANTS: (Please provide, if applicable)
Engineer: Phone:
Address:Email:
Soil Scientist: Phone:

56 Norfield Road, P.O. Box 1007, Weston, CT 06883 Tel: (203) 222-2618

Address:	Email:
Legal Counsel:	Phone:
Address:	Email:
Surveyor:	Phone:
Address:	Email:
PROPERTY INFORMATION	
Property Address: 5 THEANY W	
HOME, SMOID, DLIVEWAY & POOL	f proposed activity (attach sheet with additional
information if needed): SEE ATTACHED.	INSTAL PLANTINGS, MINOL STOME
PLAINAGE IMPLOVEMENTS	
Is this property within a subdivision (circle). You Square feet of proposed impervious surfaces	
Subject property to be affected by proposed wetlands soils swamp floodplain marsh	activity contains: bog lake or pond stream or river other
	g within wetlands, watercourse, and/or review
✓ Discharge to☐ Removal of☐ DepomMaterials☐ Materials	
Amount, type, and location of materials to be LESS MAN 30 CY	e removed, deposited, or stockpiled:
Description, work sequence, and duration of SEE ATTACHED 7 CAN 4 LETTER.	activities:
Describe alternatives considered and why the	e proposal described herein was chosen:
Does the proposed activity involve the installation (circle): Yes or No	ation and/or repair of an existing septic system(s)
The Westport/Weston Health District Approval	APPLONED IN 2022

ADJOINING MUNICIPALITIES AND NOTICE:

If any of the situations below apply, the applicant is required to give written notice of his/her application to the Inland Wetlands Agency of the adjoining municipality, on the same day that he/she submits this application. Notification must be sent by Certified Mail with Return Receipt Requested.

The property is located within 500 feet of any town boundary line;

A significant portion of the traffic to the completed project will use streets within the adjoining municipality to enter or exit the site;

A portion of the water drainage from the project site will flow through and significantly impact the sewage system or drainage systems within the adjoining municipality; or Water runoff from the improved site will impact streets or other municipal or private property within the adjoining municipality

AQUARION WATER COMPANY

Pursuant to Section 8.4 of the Weston regulations, the Aquarion Water Company must be notified of any regulated activity proposed within its watersheds. Maps showing approximate watershed boundaries are available at the office of the Commission. If the project site lies within these boundaries, send notice, site plan, and grading and erosion control plan via certified mail, return receipt requested, within seven (7) days of submitting application to the Commission, to:

George S. Logan, Director – Environmental Management Aquarion Water Company 714 Black Rock Turnpike Easton, CT 06612

The Commissioner of the Connecticut Department of Public Health must also be notified in the same manner in a format prescribed by that commissioner.

The undersigned, as owner(s) of the property, hereby consents to necessary and proper inspections of the above mentioned property by Commissioners and agents of the Conservation Commission, Town of Weston, at reasonable times, both before and after a final decision has been issued by the Commission.

The undersigned hereby acknowledges to have read the "Application Requirements and Procedures" in completing this application.

The undersigned hereby certifies that the information provided in this application, including its supporting documentation is true and he/she is aware of the penalties provided in Section 22a-376 of the Connecticut General Statues for knowingly providing false or misleading information.

Signature of Owner(s) of Record		Date	
		1/8/2024	
Signature of Authorized Agent		/ Date	
	FOR OFFICE USE	ONLY	
Administrative Approval	- Initials	Date	



January 8, 2023

Conservation Commission c/o Dr. Tom Failla 56 Norfield Road P.O. Box 1007 Weston, Connecticut 06883

Re: 5 Tiffany Lane, Weston

Dear Dr. Failla,

Please find included with this letter copies of an updated Proposed Improvement Plan and Storm Water Management Analysis for the property at 5 Tiffany Lane. This property was originally permitted in 2018 and constructed between 2020 and 2021. For reasons not clearly known, the contractor installed various items on the property different than what was proposed. In addition, a few items were added by the owner during construction that would typically require permitting. This submission includes the necessary materials to permit those additional items along with a plan to adapt the as-built conditions so that it complies with the town's various regulations.

Summary of Structural Alterations from Original Approval

The proposed driveway, home, pool and studio were constructed in approximately the same location as designed. The house was raised from the design and the septic system was changed; however, the Aspetuck Health District has approved that change, and the disturbed area remains approximately the same as the original design. Two stone pillars were built at the property line flanking the driveway and two storage containers were installed to the north of the studio, each of which were not part of the original design. It is the intention of this submission to properly permit the installation of the stone pillars and storage containers. In addition, the plantings proposed along the west side of the driveway were never installed, but are proposed to be installed in the upcoming Spring.

Summary of Storm Water Alterations from the Original Approval

The original design called for the upper portion of the driveway, the roof runoff from the dwelling and studio, and the pool overflow to be directed to an underground detention system. The rest of the property runoff was designed to sheet flow off the property. The contractor, for unknown reasons, did not install the detention system, and instead drained the driveway and a portion of the dwelling roof to the west side of the driveway, where it flows towards the adjacent wetlands. The rest of the roof leaders are discharging at ground level near the structures.

In order to mitigate this change, and to provide compliance with the town's requirements, we have prepared the included Proposed Improvement Plan and Storm Water Management Analysis. This effort reflects a proposal that meets the town's compliance requirements, but minimizes the required construction impact to the devoted site. In summary, the storm water runoff from the detached studio, detached storage containers, pool, a portion of the dwelling, and a portion of the lawn area

will be collected, detained, and treated on-site with the use of an underground detention system, which is the same size as the original design. The rest of the developed area has been directed along the west side of the driveway where they outlet to stone aprons and landscaped areas. The upper driveway drain outlet, which is currently installed, will be outfitted with a proper rock apron to dissipate flow, and be directed into the proposed planted area to encourage storm water treatment. The lower driveway drain outlet will be outfitted with a proper rock apron and be allowed to drain to the adjacent wetlands.

Alternatives Analysis

Since the property has been developed and is completely stabilized, the immediate obvious alternative would be to install and modify the project to conform to the original design and approval. This would require additional excavation, removal of portions of the driveway, removal and replacement of the existing deck, and removal of the trench drain located at the bottom of the driveway. While this would conform the property to the original intent and design, the impact would not add benefit to the property or the adjacent wetlands.

We have proposed to comply with the town's requirements for drainage, while designing to keep a minimal amount of impact to the property and the adjacent wetlands. Stormwater will still be treated prior to discharging to the off-site areas and the eventual wetlands. This is achieved through a storm water detention structure and discharging the runoff into vegetative areas.

It is my professional opinion that the attached and latest design is the most beneficial in order to achieve the ultimate goal of treating and mitigating runoff, while protecting the nearby wetlands and natural resources.

Thank you for your consideration of the current proposal. I look forward to discussing the project elements within your public forum. In the meantime, if you have any questions or would like to discuss this further, please do not hesitate to contact me.

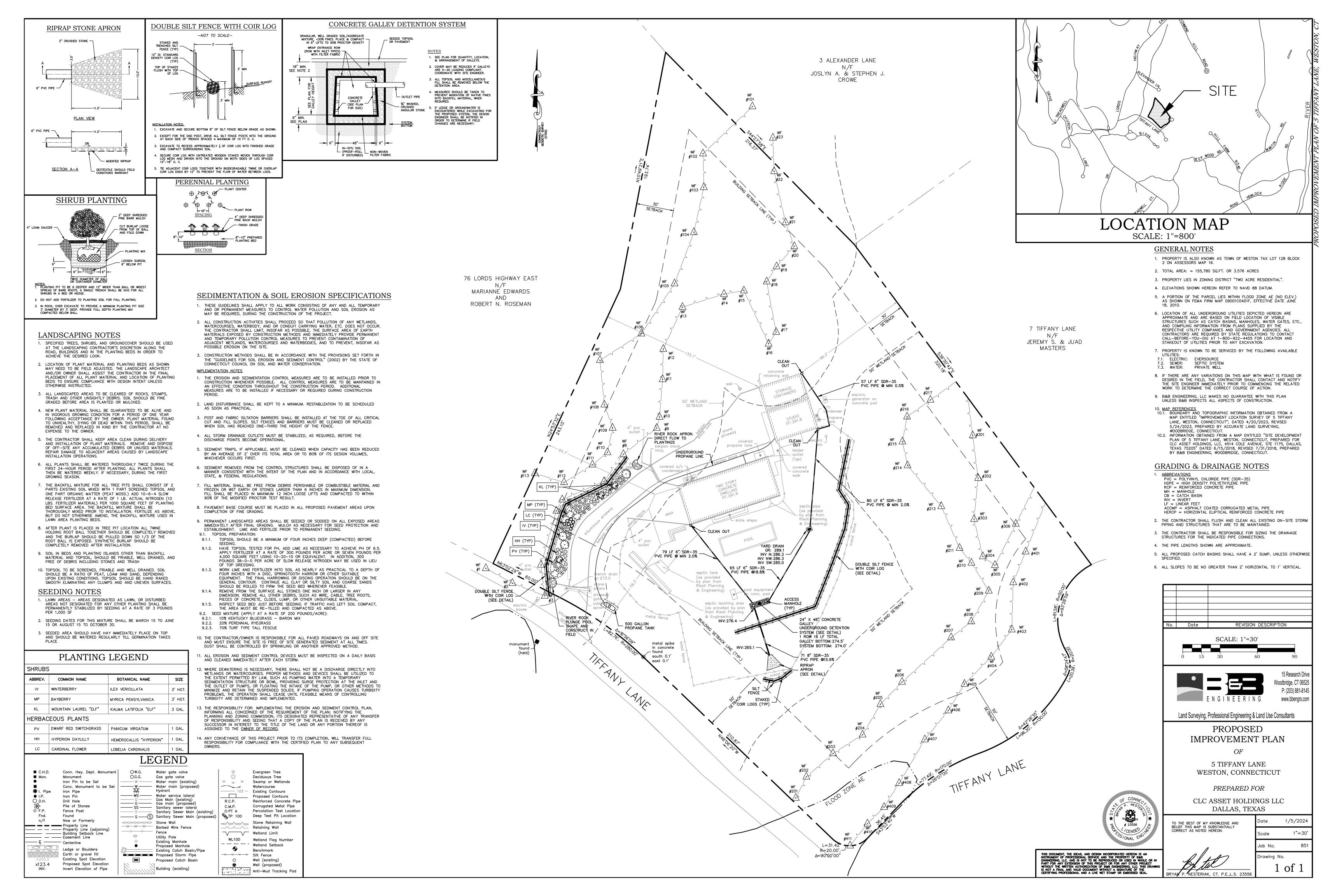
Sincerely,

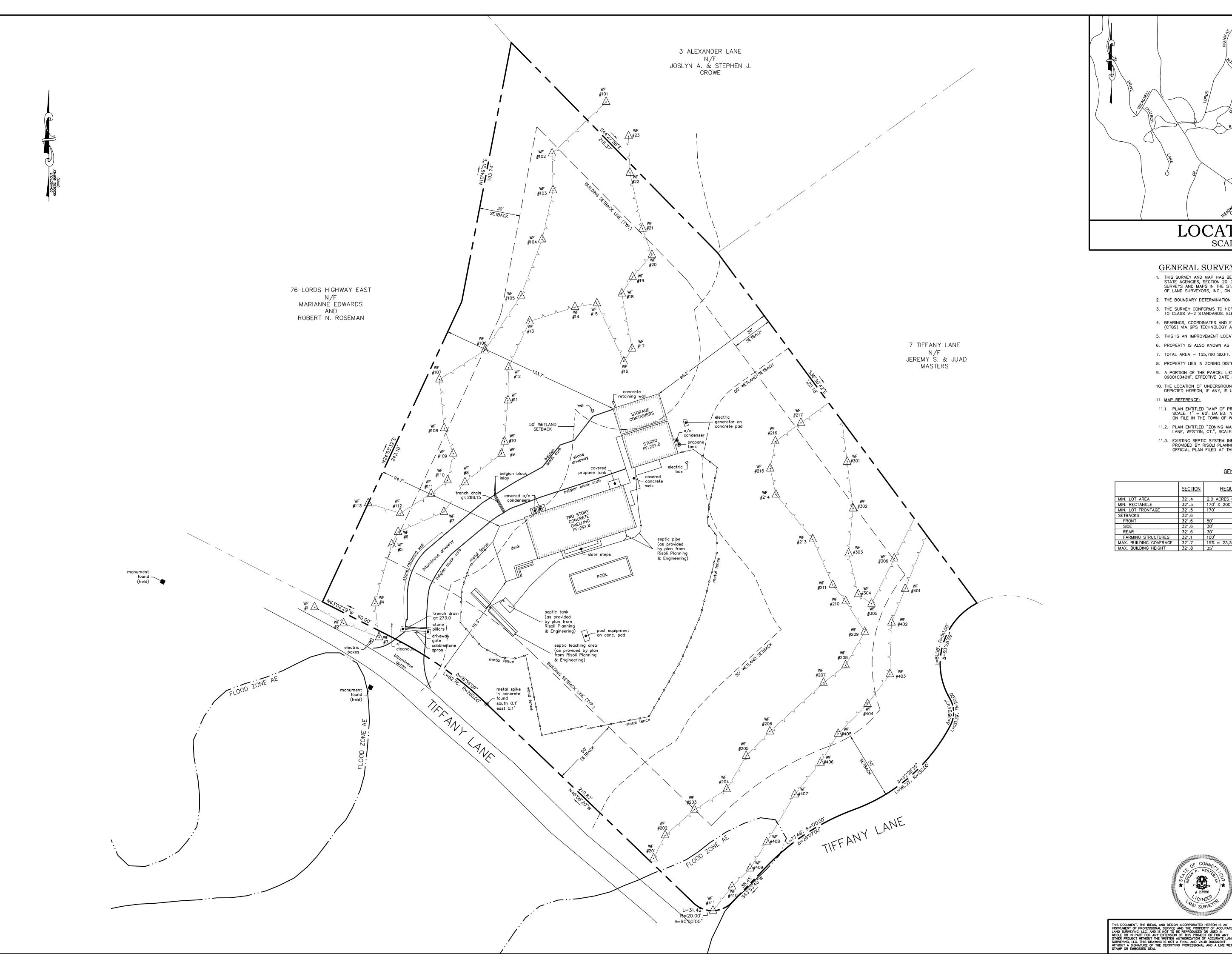
Bryan Nesteriak, P.E., L.S.

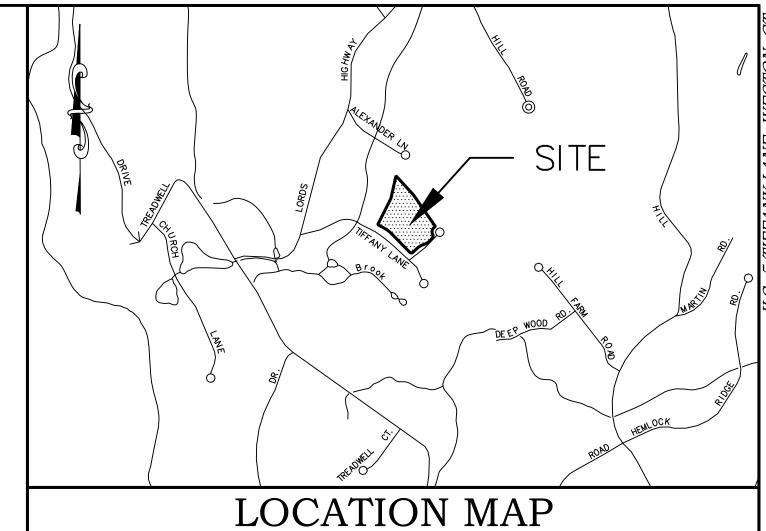
B&B Engineering

cc: Julio Ego-Aguire, 5 Tiffany Lane









GENERAL SURVEY NOTES

- 1. THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE REGULATION OF CONNECTICUT
- STATE AGENCIES, SECTION 20-300b-1 THROUGH 20-300b-20, AND THE "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC., ON SEPTEMBER 26, 1996.
- 2. THE BOUNDARY DETERMINATION IS BASED UPON THE DEPENDENT RESURVEY METHOD.

SCALE: 1"=800'

- 3. THE SURVEY CONFORMS TO HORIZONTAL CLASS A-2 ACCURACY STANDARDS. VERTICAL DATA CONFORMS TO CLASS V-2 STANDARDS. ELEVATIONS REFER TO NAVD 88 DATUM.
- 4. BEARINGS, COORDINATES AND ELEVATIONS ARE DERIVED FROM THE CONNECTICUT GEODETIC SURVEY (CTGS) VIA GPS TECHNOLOGY AND CONVENTIONAL SURVEY METHODS.
- 5. THIS IS AN IMPROVEMENT LOCATION SURVEY. THE PURPOSE OF WHICH IS TO SHOW AS-BUILT CONDITIONS. 6. PROPERTY IS ALSO KNOWN AS TOWN OF WESTON TAX LOT 128 ON ASSESSORS MAP 16 BLOCK 2.
- 7. TOTAL AREA = 155,780 SQ.FT. OR 3.576 ACRES
- 8. PROPERTY LIES IN ZONING DISTRICT "TWO ACRE RESIDENTIAL".
- A PORTION OF THE PARCEL LIES WITHIN FLOOD ZONE AE (NO ELEV.) AS SHOWN ON FEMA FIRM MAP 09001C0401F, EFFECTIVE DATE JUNE 18, 2010.
- 10. THE LOCATION OF UNDERGROUND UTILITIES SHOULD BE CONSIDERED APPROXIMATE AND OTHER THAN DEPICTED HEREON, IF ANY, IS UNKNOWN.
- 11. MAP REFERENCE: 11.1. PLAN ENTITLED "MAP OF PROPERTY PREPARED FOR CHARLES NIEWENHOUS, WESTON, CONNECTICUT", SCALE: 1" = 60'. DATED: NOVEMBER 15, 2002, REVISED THRU: JUNE 3, 2003. BY DENNIS A. DEILUS.
- 11.2. PLAN ENTITLED "ZONING MAP OF PROPERTY PREPARED FOR CLC ASSET HOLDINGS LLC, 5 TIFFANY LANE, WESTON, CT.", SCALE: 1" = 30'. DATED: 4/26/18. BY DENNIS A. DEILUS.
- 11.3. EXISTING SEPTIC SYSTEM INFORMATION SHOWN HEREON WAS OBTAINED THROUGH AN ELECTRONIC FILE PROVIDED BY RISOLI PLANNING & ENGINEERING. FOR OFFICIAL AS—BUILT INFORMATION, SEE THE OFFICIAL PLAN FILED AT THE ASPETUCK HEALTH DEPARTMENT.

GENERAL REQUIREMENTS DISTRICT R-2A

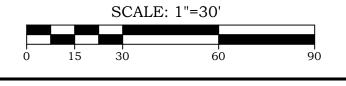
ON FILE IN THE TOWN OF WESTON CLERK'S OFFICE AS MAP 3625.

	SECTION	REQUIRED	ACTUAL/PROPOSED	CLAIMED EXEMPTIONS/VARIANCES
MIN. LOT AREA	321.4	2.0 ACRES (87,120 S.F.)	3.576 ACRES (155,780 S.F.)	
MIN. RECTANGLE	321.5	170' X 200'	251' X 365'	
MIN. LOT FRONTAGE	321.5	170'	697.3'	
SETBACKS	321.6			
FRONT	321.6	50'	78.3'	
SIDE	321.6	30'	94.7'	
REAR	321.6	30'	>30'	
FARMING STRUCTURES	321.1	100'	NA	
MAX. BUILDING COVERAGE	321.7	15% = 23,367 S.F.	5,967 S.F. (3.8%)	
MAX. BUILDING HEIGHT	321.8	35'	34.6'	

BUILDING HEIGHT CALCULATIONS

NORTH SIDE:	<u>LENGTH</u> 76.3'	<u>HEIGHT</u> 34.1'	<u>PRODUCT</u> 2,601.8 SF
SOUTH SIDE:	76.3'	34.3'	2,617.1 SF
EAST SIDE:	32.3'	33.8'	1,159.3 SF
WEST SIDE:	32.3'	35.5'	1,146.7 SF
AVERAGE HEIG	HT= 7,52	4.9 SF/21	7.2' = 34.6'

ADDED EXISTING SEPTIC SYSTEM INFORMATION
SITE STATISTICS UPDATED REVISION DESCRIPTION Date





IMPROVEMENT LOCATION SURVEY

OF

5 TIFFANY LANE WESTON, CONNECTICUT



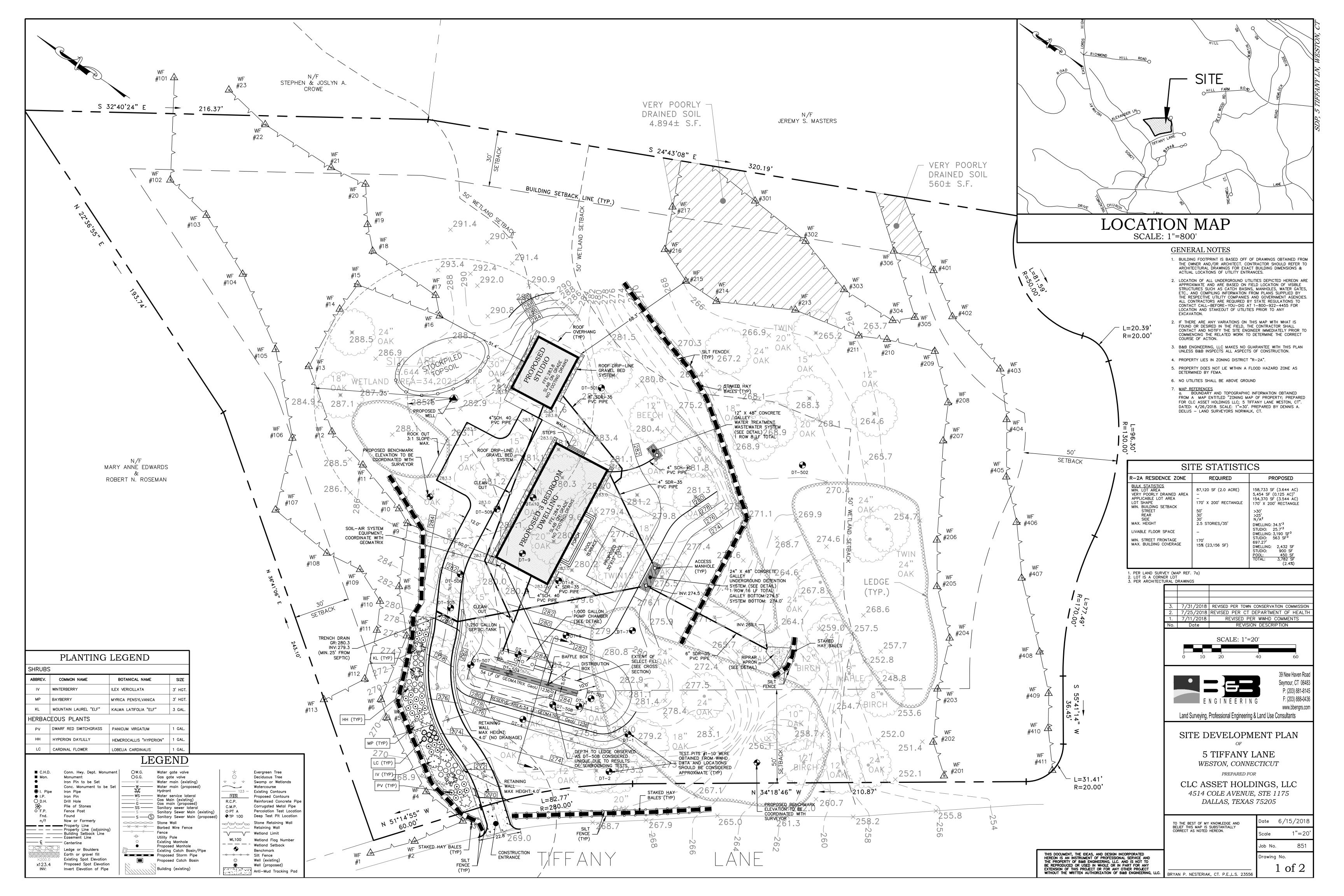
TO THE BEST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

cale 1"=30' Job No. 851 rawing No.



1 of

ate 04/20/2023



SEDIMENTATION & SOIL EROSION SPECIFICATIONS THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION AS MAY BE REQUIRED, DURING THE CONSTRUCTION OF THE PROJECT.

- ALL CONSTRUCTION ACTIVITIES SHALL PROCEED SO THAT POLLUTION OF ANY WETLANDS, WATERCOURSES, WATERBODY, AND OR CONDUIT CARRYING WATER, ETC. DOES NOT OCCUR. THE CONTRACTOR SHALL LIMIT, INSOFAR AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES AND WATERBODIES, AND TO PREVENT, INSOFAR AS POSSIBLE EROSION ON THE SITE.
- 3. CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (2002) BY THE STATE OF CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION.
- IMPLEMENTATION NOTES . THE EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE INSTALLED PRIOR TO CONSTRUCTION WHENEVER POSSIBLE. ALL CONTROL MEASURES ARE TO BE MAINTAINED IN AN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. ADDITIONAL MEASURES ARE TO BE INSTALLED IF NECESSARY OR REQUIRED DURING CONSTRUCTION
- 2. LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM. RESTABLIZATION TO BE SCHEDULED
- POST AND FABRIC SILTATION BARRIERS SHALL BE INSTALLED AT THE TOE OF ALL CRITICAL CUT AND FILL SLOPES. SILT FENCES AND BARRIERS MUST BE CLEANED OR REPLACED
- 4. ALL STORM DRAINAGE OUTLETS MUST BE STABILIZED, AS REQUIRED, BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.

WHEN SOIL HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.

- 5. SEDIMENT TRAPS. IF APPLICABLE. MUST BE CLEANED WHEN CAPACITY HAS BEEN REDUCED. BY AN AVERAGE OF 2' OVER ITS TOTAL AREA OR TO 80% OF ITS DESIGN VOLUMES,
- 6. SEDIMENT REMOVED FROM THE CONTROL STRUCTURES SHALL BE DISPOSED OF IN A MANNER CONSISTENT WITH THE INTENT OF THE PLAN AND IN ACCORDANCE WITH LOCAL, STATE, & FEDERAL REGULATIONS.
- 7. FILL MATERIAL SHALL BE FREE FROM DEBRIS PERISHABLE OR COMBUSTIBLE MATERIAL AND FROZEN OR WET EARTH OR STONES LARGER THAN 6 INCHES IN MAXIMUM DIMENSION. SHALL BE PLACED IN MAXIMUM 12 INCH LOOSE LIFTS AND COMPACTED TO WITHIN 90% OF THE MODIFIED PROCTOR TEST RESULT.
- 8. PAVEMENT BASE COURSE MUST BE PLACED IN ALL PROPOSED PAVEMENT AREAS UPON COMPLETION OF FINE GRADING.
- 9. PERMANENT LANDSCAPED AREAS SHALL BE SEEDED OR SODDED ON ALL EXPOSED AREAS IMMEDIATELY AFTER FINAL GRADING. MULCH AS NECESSARY FOR SEED PROTECTION AND ESTABLISHMENT. LIME AND FERTILIZE PRIOR TO PERMANENT SEEDING.
- 9.1. TOPSOIL PREPARATION: 9.1.1. TOPSOIL SHOULD BE A MINIMUM OF FOUR INCHES DEEP (COMPACTED) BEFORE
- 9.1.2. HAVE TOPSOIL TESTED FOR PH, ADD LIME AS NECESSARY TO ACHIEVE PH OF 6.5. APPLY FERTILIZER AT A RATE OF 300 POUNDS PER ACRE OR SEVEN POUNDS PER 4,000 SQUARE FEET USING 10-20-10 OR EQUIVALENT. IN ADDITION, 300 POUNDS 38-0-0 PER ACRE OF SLOW RELEASE NITROGEN MAY BE USED IN LIEU OF TOP DRESSING.
- 9.1.3. WORK LIME AND FERTILIZER INTO SOIL AS NEARLY AS PRACTICAL TO A DEPTH OF FOUR INCHES WITH A DISC. SPRINGTOOTH HARROW OR OTHER SUITABLE THE FINAL HARROWING OR DISCING OPERATION SHOULD BE ON THE GENERAL CONTOUR. CONTINUE ALL CLAY OR SILTY SOIL AND COARSE SANDS SHOULD BE ROLLED TO FIRM THE SEED BED WHEREVER FEASIBLE. REMOVE FROM THE SURFACE ALL STONES ONE INCH OR LARGER IN ANY
- DIMENSION. REMOVE ALL OTHER DEBRIS, SUCH AS WIRE, CABLE, TREE ROOTS, PIECES OF CONCRETE, CLODS, LUMP, OR OTHER UNSUITABLE MATERIAL. INSPECT SEED BED JUST BEFORE SEEDING. IF TRAFFIC HAS LEFT SOIL COMPACT,
- THE AREA MUST BE RE-TILLED AND COMPACTED AS ABOVE. 9.2. SEED MIXTURE (APPLY AT A RATE OF 200 POUNDS/ACRE): 9.2.1. 10% KENTUCKY BLUEGRASS - BARON MIX
- 9.2.2. 20% PERENNIAL RYEGRASS 9.2.3. 70% TURF TYPE TALL FESCUE
- 10 THE CONTRACTOR/OWNER IS RESPONSIBLE FOR ALL PAVED ROADWAYS ON AND OFF SITE AND MUST ENSURE THE SITE IS FREE OF SITE GENERATED SEDIMENT AT ALL TIMES.
- 11. ALL EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSPECTED ON A DAILY BASIS AND CLEANED IMMEDIATELY AFTER EACH STORM.
- WHERE DEWATERING IS NECESSARY, THERE SHALL NOT BE A DISCHARGE DIRECTLY INTO WETLANDS OR WATERCOURSES. PROPER METHODS AND DEVICES SHALL BE UTILIZED TO THE EXTENT PERMITTED BY LAW, SUCH AS PUMPING WATER INTO A TEMPORARY SEDIMENTATION STRUCTURE OR BOWL, PROVIDING SURGE PROTECTION AT THE INLET AND HE OUTLET OF PUMPS, OR FLOATING THE INTAKE OF THE PUMP, OR OTHER METHODS TO MINIMIZE AND RETAIN THE SUSPENDED SOLIDS. IF PUMPING OPERATION CAUSES TURBIDITY PROBLEMS, THE OPERATION SHALL CEASE UNTIL FEASIBLE MEANS OF CONTROLLING TURBIDITY ARE DETERMINED AND IMPLEMENTED.
- 13. THE RESPONSIBILITY FOR: IMPLEMENTING THE EROSION AND SEDIMENT CONTROL PLAN, INFORMING ALL CONCERNED OF THE REQUIREMENT OF THE PLAN; NOTIFYING THE PLANNING AND ZONING COMMISSION, ITS DESIGNATED REPRESENTATIVE OF ANY TRANSFER OF RESPONSIBILITY AND SEEING THAT A COPY OF THE PLAN IS RECEIVED BY ANY UCCESSOR IN INTEREST TO THE TITLE OF THE LAND OR ANY PORTION THEREOF IS ASSIGNED TO THE OWNER OF RECORD.

DT 501 0"-7" TOPSOIL

MOTTLING @ 25"

NO ROOTS

WATER @ 28" LEDGE @48"

DT-502 0"-6" TOPSOIL

MOTTLING @ 38"

NO WATER

NO ROOTS

WATER @ 34"

LEDGE @ 34"

<u>DT-504</u> 0"-6" TOPSOIL

NO MOTTLING

ROOTS @ 34"

WATER @ 48"

LEDGE @ 48"

<u>DT-505</u> 0"-4" TOPSOIL

MOTTLING @ 27"

WATER @ 44"

LEDGE @ 46"

<u>DT-506</u> 0"-5" TOPSOIL

NO MOTTLING

LEDGE @ 45"

<u>DT-507</u> 0"-4" TOPSOIL

MOTTLING @ 24"

NO ROOTS

NO WATER

NO ROOTS

NO WATER

LEDGE @ 21

LEDGE @ 31"

NO ROOTS NO WATER

NO ROOTS

6"-34" BROWN SILTY LOAM

4"-27" BROWN SILTY LOAM

5"-45" BROWN SILTY LOAM

4"-24" BROWN SILTY LOAM

DT-508 0"-21" BROWN SILTY LOAM

SURROUNDING TESTS)

24"-31" ORANGE BROWN SILTY LOAM

(DEPTH TO LEDGE OBSERVED AT DT-5

CONSIDERED UNIQUE DUE TO RESULTS

LEDGE @ 52"

<u>DT-503</u> 0"-4" TOPSOIL

MOTTLING @ 24"

7"-25" BROWN SILTY LOAM 25"-48" ORANGE BROWN SILTY LOAM

6"-18" BROWN SILTY LOAM

18"-52" ORANGE BROWN SILTY LOAM

4"-34" ORANGE BROWN SILTY LOAM

34"-48" ORANGE BROWN SILTY LOAM

27"-46" ORANGE BROWN SILTY LOAM

283

279

278

14. ANY CONVEYANCE OF THIS PROJECT PRIOR TO ITS COMPLETION, WILL TRANSFER FULL RESPONSIBILITY FOR COMPLIANCE WITH THE CERTIFIED PLAN TO ANY SUBSEQUENT

DEEP TESTS <u>TESTED ON 12/3/2015</u> TEST PITS #1-10 OBTAINED FROM WWHD.

0"-4" TOPSOIL
4"-22" RED BROWN FINE SILTY LOAM
22"-35" MOTTLED FINE GREY SANDY LOA
MOTTLING @ 22"
ROOTS @ 22"
WATER @ 22"
LEDGE @ 35"
DT 2
0"-2" TOPSOIL
2"-8" YELLOW BROWN FINE SILTY LOAM

8"-14" TOPSOIL 14"-21" YELLOW BROWN FINE SILTY LOAM MOTTLING @ 16" ROOTS @ 21"

LEDGE @ 21" 0"-6" TOPSOIL 8"-48" RED BROWN FINE SILTY LOAM NO MOTTLING ROOTS @ 34"

WATER @ 16'

MOTTLING @ 21

LEDGE @ 38"

WATER @ 5"

WATER @ 43 LEDGE @ 48" 0"-3" TOPSOIL 3"-21" YELLOW BROWN FINE SILTY LOAM

21"-45" MOTTLED YELLOW BROWN FINE SILTY

ROOTS @ 24" WATER @ 44" LEDGE @ 45" 0"-7" TOPSOIL 7"-32" RED BROWN FINE SILTY LOAM

NO MOTTLING ROOTS @ 32" WATER @ 32 LEDGE @ 32"

0"-4" TOPSOIL 4"-16" RED BROWN FINE SILTY LOAM NO WATER NO MOTTLING LEDGE @ 16'

0"-5" TOPSOIL 5"-38" RED BROWN FINE SILTY LOAM 16"-70" GREY BROWN SAND AND GRAVEL ROOTS @ 38" NO WATER

DT-8 0"-3" TOPSOIL 3"-18" RED BROWN FINE SILTY LOAM 18"-36" MOTTLED RED BROWN FINE SILTY LOAM MOTTLING @ 18"

ROOTS @ 12" WATER @ 22 LEDGE @ 36" 0"-9" TOPSOIL

<u>DT-509</u> 0"-8" TOPSOIL 9"-18" YELLOW BROWN FINE SILTY LOAM 18"-62" MOTTLED YELLOW BROWN FINE SILTY LOAM 8"-28" BROWN SILTY LOAM MOTTLING @ 18" 28"-48" ORANGE BROWN SILTY LOAM R00TS @ 18" MOTTLING @ 28" NO ROOTS NO WATER WATER @ 18" LEDGE @ 62" LEDGE @ 48"

GENERAL SEPTIC NOTES

- . THIS SYSTEM IS NOT DESIGNED FOR BACKWASH FROM A WATER SOFTENING SYSTEM OR THE OUTFLOW FROM A GARBAGE DISPOSAL OR TUB IN EXCESS OF 100 GALLONS.
- THIS SYSTEM IS TO BE CONSTRUCTED IN ACCORDANCE WITH ALL STATE AND LOCAL HEALTH REGULATIONS.
- 3. THE INSTALLATION OF THE SEPTIC SYSTEM SHALL BE UNDER THE SUPERVISION OF A PROFESSIONAL ENGINEER.
- 4. IT IS THE RESPONSIBILITY OF THE INSTALLER TO KEEP LOCAL HEALTH DEPARTMENT AND THE ENGINEER OF RECORD INFORMED OF CONSTRUCTION PROGRESS.
- 5. ALL PIPING BETWEEN HOUSE AND SEPTIC TANK SHALL BE FOUR INCHES IN DIAMETER WITH A MINIMUM SLOPE OF 1/4" PER FOOT OR SIX INCHES IN DIAMETER WITH A MINIMUM SLOPE OF 1/8" PER FOOT. MATERIALS MAY BE CAST IRON (HUBLESS OR BELL AND SPIGOT) ASTM A74, DUCTILE IRON ANSIA21.51, PVC SCHEDULE 40, ASTM D 2665, EXTRA STRENGTH PVC AWWA C-900 100 PSI MIN, DUCTILE IRON ANDI A 21.51, OR PVC ASTM 7 1760.
- 6. ALL PIPE USED BETWEEN THE SEPTIC TANK AND LEACHING AREA SHALL BE 4" SDR-35 PVC PIPE WITH WATERTIGHT JOINTS OR EQUIVALENT EQUAL. PIPE SHALL BE SET ON A MINIMUM SLOPE OF
- 7. STRIP AND STOCKPILE TOPSOIL AND REMOVE BOULDERS PRIOR TO PLACING FILL. ALL TOPSOIL MUST BE REMOVED IN FILL SYSTEMS.

Y THE DESIGN ENGINEER AND THE LOCAL HEALTH DEPARTMENT

- 8. THE MAXIMUM DEPTH OF THE BOTTOM OF A LEACHING SYSTEM BELOW FINISHED GRADE SHALL BE EIGHT (8) FEET. ANY FIELD CHANGES TO THE PROPOSED FINISH GRADE MUST BE APPROVE
- 9. SEPTIC TANK ACCESS SHALL BE OUTFITTED WITH 24" DIAMETER RISERS IF THE TOP OF THE TANK IS DEEPER THAN 12" FROM FINISHED GRADE.
- 10. RISER COVERS SHALL BE A MINIMUM WEIGHT OF 59 POUNDS OR A SECONDARY SAFETY LID AND LOCK SYSTEM SHALL BE PROVIDED TO PREVENT UNAUTHORIZED AND UNSUPERVISED
- 11. B&B ENGINEERING ASSUMES NO RESPONSIBILITY FOR COMPLIANCE WITH PLAN SPECIFICATIONS UNLESS B&B ENGINEERING
- SUPERVISES ALL PHASES OF THE INSTALLATION. 12. AS-BUILT DRAWING TO BE PREPARED BY PROFESSIONAL
- ENGINEER PRIOR TO BACKFILLING. 13. FINAL GRADING TO BE COMPLETED IMMEDIATELY AFTER
- COMPLETION OF AS-BUILT DRAWING.
- 14. THERE ARE NO WELLS WITHIN 75' OF PROPOSED SEPTIC SYSTEM. 15. THERE ARE NO STORM WATER DRAINAGE INFILTRATION SYSTEMS WITHIN 50' OF THE PROPOSED SEPTIC SYSTEM.

GRADING & DRAINAGE NOTES

PVC = POLYVINYL CHLORIDE PIPE (SDR-35) HDPE = HIGH DENSITY POLYETHYLENE PIPE RCP = REINFORCED CONCRETE PIPE MH = MANHOLECB = CATCH BASIN

INV = INVFRT

- LF = LINEAR FEET ACCMP = ASPHALT COATED CORRUGATED METAL PIPE HERCP = HORIZONTAL ELIPTICAL REINFORCED CONCRETE PIPE
- 2. THE CONTRACTOR SHALL FLUSH AND CLEAN ALL EXISTING ON-SITE STORM PIPING AND STRUCTURES THAT ARE TO BE MAINTAINED.

5. ALL PROPOSED CATCH BASINS SHALL HAVE A 2' SUMP, UNLESS OTHERWISE

- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SIZING THE DRAINAGE STRUCTURES FOR THE INDICATED PIPE CONNECTIONS.
- 4. THE PIPE LENGTHS SHOWN ARE APPROXIMATE.
- 6. ALL SLOPES TO BE NO GREATER THAN 3' HORIZONTAL TO 1' VERTICAL.

"SELECT FILL" SPECIFICATIONS

FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN 3 INCHES. UP TO 45% OF THE DRY WEIGHT OF THE SAMPLE MAY BE RETAINED ON THE #4 SIEVE. 3. OF THE MATERIAL THAT PASSES THE #4 SIEVE, IT MUST PASS

THE FOLLOWING CRITERIA:			
	SIEVE SIZE PERCENT PASSING		
	SIEVE SIZE	WET SIEVE	DRY SIEVE
	#4	100	100
	#10	70-100	70-100
	#40	10-50 ¹	10-75
#100		0-20	0-5
	#200	0-5	0-2.5

- NOTES

 1. PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THAN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED
- 2. SIEVE ANALYSIS TO BE SUBMITTED TO THE DESIGN ENGINEER AND THE HEALTH DEPARTMENT BEFORE THE START OF CONSTRUCTION.

COMMON FILL

10.0

POSSIRI F

DEPTH OF -

CROSS - SECTION 'A - A

SCALE: HORIZ.1"=10'; VERT.1"=2'

APPROXIMATE

OBSERVED LEDGE

GEOMATRIX

GeoU1236

PROPOSED

SELECT FILL

COMMON FILL

EXISTING

GRADE

GRADE

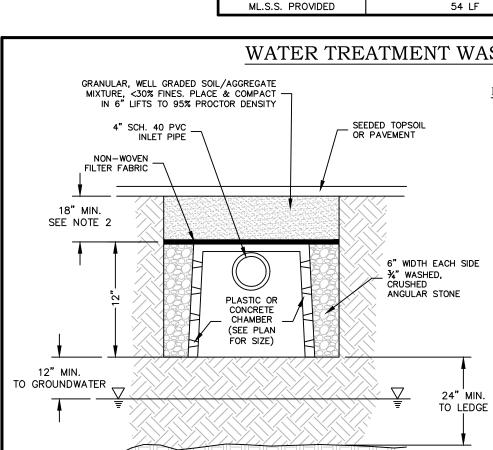
(TYP)

PROPOSED SEPTIC SYSTEM DESIGN DATA ELEVATIONS BEDROOM COUNT INVERT AT HOUSE 3 HOUSE + 1 STUDIO 1,250 GALLONS INVERT AT STUDIO RESERVE SYSTEM SEPTIC TANK INLET INVERT 279.0 DESIGN PERCOLATION RATE 10.1-20.0 MIN/INCH SEPTIC TANK OUTLET INVERT 278.9 E.L.A. REQUIRED 787.5 SF PUMP CHAMBER INLET INVER 278.7 283.5 BOTTOM ELEV. ROW 1 LEACHING SYSTEM (LF) 54 LF 54 IF X 14.8 ELA E.L.A. PROVIDED RESERVE SYSTEM LEACHING SYSTEM (LF) 54 LF 54 LF X 14.8 ELA : E.L.A. PROVIDED 799.2 SF

LANDSCAPING NOTES

ACHIEVE THE DESIRED LOOK.

- 1. SPECIFIED TREES, SHRUBS, AND GROUNDCOVER SHOULD BE USED AT THE LANDSCAPING CONTRACTOR'S DISCRETION ALONG THE ROAD, BUILDINGS AND IN THE PLANTING BEDS IN ORDER TO
- 2. LOCATION OF PLANT MATERIAL AND PLANTING BEDS AS SHOWN MAY NEED TO BE FIELD ADJUSTED. THE LANDSCAPE ARCHITECT AND/OR OWNER SHALL ASSIST THE CONTRACTOR IN THE FINAL BEDS TO ENSURE COMPLIANCE WITH DESIGN INTENT UNLESS OTHERWISE INSTRUCTED.
- 3. ALL LANDSCAPED AREAS TO BE CLEARED OF ROCKS, STUMPS, TRASH AND OTHER UNSIGHTLY DEBRIS. SOIL SHOULD BE FINE
- 4. NEW PLANT MATERIAL SHALL BE GUARANTEED TO BE ALIVE AND IN VIGOROUS GROWING CONDITION FOR A PERIOD OF ONE YEAR FOLLOWING ACCEPTANCE BY THE OWNER. PLANT MATERIAL FOUND TO UNHEALTHY, DYING OR DEAD WITHIN THIS PERIOD, SHALL BE REMOVED AND REPLACED IN KIND BY THE CONTRACTOR AT NO EXPENSE TO THE OWNER.
- 5. THE CONTRACTOR SHALL KEEP AREA CLEAN DURING DELIVERY AND INSTALLATION OF PLANT MATERIALS. REMOVE AND DISPOSE OF OFF-SITE ANY ACCUMULATED DEBRIS OR UNUSED MATERIALS. REPAIR DAMAGE TO ADJACENT AREAS CAUSED BY LANDSCAPE INSTALLATION OPERATIONS.
- 6. ALL PLANTS SHALL BE WATERED THOROUGHLY TWICE DURING THE FIRST 24-HOUR PERIOD AFTER PLANTING, ALL PLANTS SHALL THEN BE WATERED WEEKLY. IF NECESSARY, DURING THE FIRST
- 7. THE BACKFILL MIXTURE FOR ALL TREE PITS SHALL CONSIST OF 2 PARTS EXISTING SOIL MIXED WITH 1 PART SCREENED TOPSOIL AND ONE PART ORGANIC MATTER (PEAT MOSS.) ADD 10-6-4 SLOW RELEASE FERTILIZER AT A RATE OF 1 LB. ACTUAL NITROGEN (10 LBS. FERTILIZER MATERIAL) PER 1000 SQUARE FEET OF PLANTING BED SURFACE AREA. THE BACKFILL MIXTURE SHALL BE THOROUGHLY MIXED PRIOR TO INSTALLATION. FERTILIZE AS ABOVE, BUT DO NOT OTHERWISE AMEND, THE BACKFILL MIXTURE USED IN LAWN AREA PLANTING BEDS.
- 8. AFTER PLANT IS PLACED IN TREE PIT LOCATION ALL TWINE HOLDING ROOT BALL TOGETHER SHOULD BE COMPLETELY REMOVED AND THE BURLAP SHOULD BE PULLED DOWN SO 1/3 OF THE ROOT BALL IS EXPOSED. SYNTHETIC BURLAP SHOULD BE
- SOIL IN BEDS AND PLANTING ISLANDS OTHER THAN BACKFILL MATERIAL AND TOPSOIL, SHOULD BE FRIABLE, WELL DRAINED, AND FREE OF DEBRIS INCLUDING STONES AND TRASH
- 10. TOPSOIL TO BE SCREENED, FRIABLE AND WELL DRAINED. SOIL SHOULD BE A RATIO OF PEAT, LOAM AND SAND, DEPENDING UPON EXISTING CONDITIONS. TOPSOIL SHOULD BE HAND RAKE
- SEEDING NOTES LAWN AREAS - AREAS DESIGNATED AS LAWN, OR DISTURBED AREAS NOT DESIGNATED FOR ANY OTHER PLANTING SHALL B
- PERMANENTLY STABILIZED BY SEEDING AT A RATE OF 3 POUNDS 2. SEEDING DATES FOR THIS MIXTURE SHALL BE MARCH 15 TO JUNE 15 OR AUGUST 15 TO OCTOBER 30.
- 3. SEEDED AREA SHOULD HAVE HAY IMMEDIATELY PLACE ON TOP AND SHOULD BE WATERED REGULARLY TILL GERMINATION TAKES



WATER TREATMENT WASTEWATER SYSTEM

M.L.S.S.

RESTRICTIVE LAYER

36.5"

HYDRAULIC FACTOR (HF)

PERCOLATION FACTOR (PF)

MINIMUM LEACHING SYSTEM SPREAD (M.L.S.S.)

(34"+48"+31")/3=37.67"

37.67"+24"(MAX)=61.17" (USE 60")

(60"+21")/2=40.5"

DT-508

31"

36.5"

40.5"

10.1-15.0 %

10.1-20.0 MIN/INCH

4 REDROOMS

 $\frac{525}{300} = 1.75$

39.38 LF = 18 X 1.25 X 1.75

DEEP TEST # | DT-503 | DT-504 | DT-507

34"

36.5"

OBSERVED RI

EMBEDMEN³

AVFRAGE

DESIGN RI

RESTRICTIVE LAYER

DESIGN HYDRAULIC FACTOR

PERCOLATION RATE

OF BEDROOMS

DESIGN FLOW FACTOR

M.L.S.S. REQUIRED

- 1. SEE PLAN FOR QUANTITY, LOCATION, & ARRANGEMENT OF CHAMBERS.
- 2. COVER MAY BE REDUCED IF CHAMBERS ARE H-20 LOADING COMPLIANT. COORDINATE WITH SITE ENGINEER AND CHAMBER MANUFACTURER. 3. ALL TOPSOIL AND MISCELLANEOUS FILL SHALL BE REMOVED BELOW THE DETENTION

DECORATIVE STONE

4. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.

ROOF DRIP-LINE GRAVEL BEI

NON WOVEN

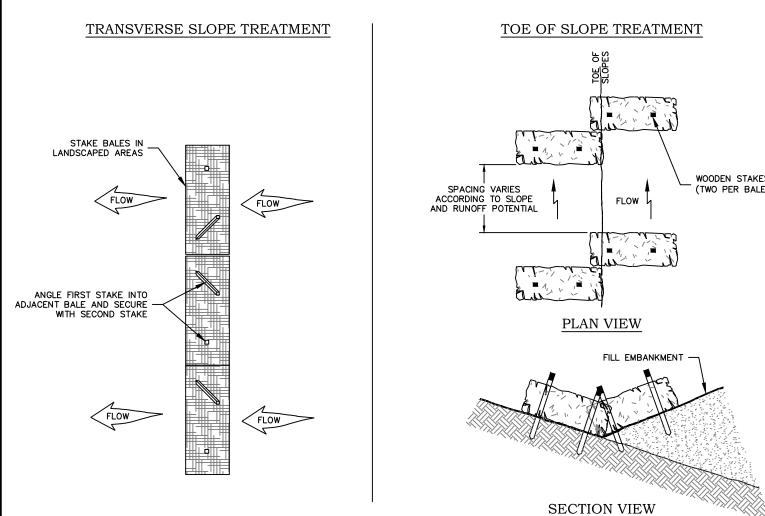
3/4" WASHED

- 5. IF LEDGE OR GROUNDWATER IS ENCOUNTERED WHILE EXCAVATING FOR THE PROPOSED SYSTEM, THE DESIGN ENGINEER SHALL BE NOTIFIED IN ORDER TO DETERMINE IF FIELD HANGES ARE NECESSARY. SYSTEM BOTTOM SHALL BE A MINIMUM 24" ABOVE LEDGE AND 12" ABOVE MAXIMUM GROUNDWATER. 6. SYSTEM SHALL BE LOCATED AT LEAST 5 FEET AWAY FROM OTHER UNDERGROUND
- SYSTEM REQUIREMENTS SHALL BE RE-ANALYZED UPON INSTALLATION OF SYSTEM AND TEST RESULTS OF PRIVATE WELL. NECESSITY MAY BE REMOVED, OR SYSTEM MAY NEED TO BE INCREASED IN SIZE
- ASSUME BACKWASH OCCURS THREE TIMES PER WEEK, 100 GALLONS EACH CYCLE. PUBLIC HEALTH CODE REQUIRES A MINIMUM VOLUME OF 1.5 TIMES THE ANTICIPATED DISCHARGE PER CYCLE OR DAILY AVERAGE, WHICHEVER IS GREATER.
- REQUIRED VOLUME = $1.5 \times 100 \text{ GALLONS} = 150 \text{ GALLONS}$ PROPOSED SYSTEM: (1) 12"X48"X96" CONCRETE GALLEY PROPOSED VOLUME = 12"x48"x96" ($\frac{1}{1728}CF/CI$)(7.48 GAL/CF) = $\underline{239}$ GALLONS 239 GALLONS > 150 GALLONS, THEREFORE SYSTEM COMPLIES

HAY BALE EROSION PROTECTION

- LEDGE/BEDROCK

VOLUME/DISCHARGE ESTIMATE:



PERCOLATION TESTS TEST STARTED 24" BELOW GRADE 2:07 2:27 DRY/REFILL 10.5" 2:37 THE MINIMUM OBSERVED PERCOLATION RATE IS 1" DROP IN 13.3 MINUTES CHANGE 2:08 2:28 DRY/REFILL 4.0" THE MINIMUM OBSERVED PERCOLATION RATE IS 1" DROP IN 16.0 MINUTES

CONCRETE GALLEY DETENTION SYSTEM GRANULAR, WELL GRADED SOIL/AGGREGATE MIXTURE, <30% FINES. PLACE & COMPACT OR PAVEMENT IN 6" LIFTS TO 95% PROCTOR DENSITY WRAP ENTRANCE ROW (ROW WITH INLET PIPES) WITH FILTER FABRIC 1. SEE PLAN FOR QUANTITY, LOCATION. 2. COVER MAY BE REDUCED IF GALLEYS SEE NOTE 2 COORDINATE WITH SITE ENGINEER. 3. ALL TOPSOIL AND MISCELLANEOUS FILL SHALL BE REMOVED BELOW THE DETENTION AREA. 4. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES CONCRETE GALLEY INTO BACKFILL MATERIAL, WHEN (SEE PLAN 5. IF LEDGE OR GROUNDWATER IS ENCOUNTERED WHILE EXCAVATING FO THE PROPOSED SYSTEM, THE DESIGN ENGINEER SHALL BE NOTIFIED IN ORDER TO DETERMINE IF FIELD SEE PLAN

IN-SITU SOIL

– (PROOF−ROLL \

SEPTIC SYSTEM PUMP CHAMBER JUNCTION BOX

NOTE:

2" MINIMUM ASTM C-33

BOTTOM AND TOP OF SYSTEM

SAND OR APPROVED

FOUIVALENT ON PERIMETE

GEOMATRIX GeoU1236 LEACHING SYSTEM

PRODUCT IDENTIFICATION

LEACHING SYSTEM

— (OR APPROVED)

EQUIVALENT)

ASTM C-33 SAND

EXCAVATION (MINIMUM)

ASTM C-33 SAND

LEACHING SYSTEM

— (OR APPROVED)

EQUIVALENT)

- ASTM D-1785

- LENGTH OF LEACHING FIELD -

FINISHED GRADE SHALL BE PITCHED TO SHEET FLOW STORMWATER AWAY FROM SYSTEM.

COVER MATERIAL DEPTH SHALL BE >6"AND SHALL BE UNIFORM OVER SYSTEM.

- LENGTH OF LEACHING FIELD -

B-B' CROSS SECTION

(NEMA 3R OR 4X)

JUNCTION BOX

PIPE UNION

DIMENSION DISTANCE CORRESPONDI

1.5" SCH. 40 PVC

FORCE MAIN

- CHECK VALVE

(NEMA 4X)

(NOT TO SCALE)

40" SECTIONS (TYP.)-

NDERGROUND CONDUIT AND WIRE

INLET PIPE

ALARM & CIRCUIT BREAKER

PUMP ON LEVEL

PUMP OFF LEVEL

FLOAT (TYP)

SUBMERSIBLE

CROSS SECTION

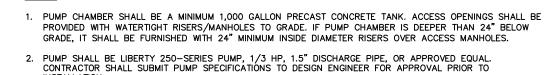
4. 4

TO 6" ABOVE FINISHED GRADE

1,000 GALLON PUMP CHAMBER

SECTION A-A

OR APPROVED EQUAL



FINISHED GRADE SHALL BE PITCHED TO SHEET FLOW STORMWATER AWAY FROM SYSTEM.

COVER MATERIAL DEPTH SHALL BE >6"AND SHALL BE UNIFORM OVER SYSTEM.

── CORE

- LENGTH OF LEACHING FIELD -

A-A' CROSS SECTION

FINISHED GRADE SHALL BE PITCHED TO SHEET FLOW STORMWATER AWAY FROM SYSTEM.

LEACHING SYSTEM

COVER MATERIAL DEPTH SHALL BE >6"AND SHALL BE UNIFORM OVER SYSTEM.

C-C' CROSS SECTION

(NOT TO SCALE)

ASTM D-1785

10 MIL POLY (IF SPECIFIED) EXTEND TO EDGE OF EXCAVATION

ASTM C-33 SAND

(OR APPROVED

EQUIVALENT)

(MINIMUM)

O MIL POLY (I

ASTM C-33 SAND

EDGE OF EXCAVATION

- 3. FORCE MAIN SHALL BE 1.5" SOLID SCHEDULE 40 PVC WITH SOLVENT GLUED JOINTS. MAIN SHALL BE FREEZE PROTECTED BY LOCATING THE THE PIPE BELOW FROST LINE, ALLOWING BACK DRAINAGE INTO THE PUMP
- SHALL OCCUR WITHIN THE FORCE MAIN WHERE WATER COULD COLLECT BETWEEN PUMP CYCLES. PUMP CHAMBERS LOCATED IN SHALLOW GROUNDWATER SHALL UTILIZE WATERTIGHT TANK SEALS, AND SHALL BE TESTED FOR LEAKAGE. CONTRACTOR TO PROVIDE TEST RESULTS TO THE ENGINEER PRIOR TO INSTALLATION. FREEZE PROTECTION 5. A CHECK VALVE SHALL BE PROVIDED ON THE PUMP DISCHARGE LINE UNLESS THE PUMP MANUFACTURER DOES
 - 6. PIPE UNIONS, LIFT MECHANISM, AND MANHOLE LOCATION SHALL BE INSTALLED AND SITUATED TO ALLOW FOR CONVENIENT PUMP REMOVAL FOR ROUTINE MAINTENANCE, AND ELECTRICAL AND PUMP CONNECTIONS SHALL READILY ACCESSIBLE FROM THE GROUND SURFACE. PIPING ATTACHED TO THE PUMP SHALL BE SET CLOSE ENOUGH TO THE TOP OF THE CHAMBER UNDER THE MANHOLE TO ALLOW FOR SERVICING, AND A QUICK DISCONNECT DEVICE SHALL BE UTILIZED TO ALLOW FOR EASY REMOVAL OF THE PUMP FOR MAINTENANCE.
 - ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICIAN, PERMITTED FROM THE LOCAL BUILDING OFFICIAL. WIRING TO PUMP SHALL BE LOCATED ABOVE GROUND IN WATER TIGHT JUNCTION BOX.

7. INTERNAL PUMP CHAMBER APPURTENANCES SHALL BE NON-CORROSIVE AND SUITABLE FOR THE CORROSIVE

- 9. AT FORCE MAIN DISCHARGE, PROVIDE A BAFFLE DISTRIBUTION BOX, OR PROVIDE A 90 DEGREE ELBOW AND SET DISCHARGE VERTICALLY DOWN WITHIN DISTRIBUTION BOX.
- 10. A HIGH LEVEL ALARM, VISIBLE AND AUDIBLE, SHALL BE INSTALLED WITHIN THE HOME. THE HIGH LEVEL ACTUATOR SHALL BE A PRESSURE TRANSDUCER OR MECHANICAL FLOAT SWITCH, SET TO ACTIVATE THE ALARM WHEN WATER IS 3" ABOVE THE AUTOMATIC 'PUMP ON' SETTING. THERE SHALL BE NO MERCURY SWITCHES USED

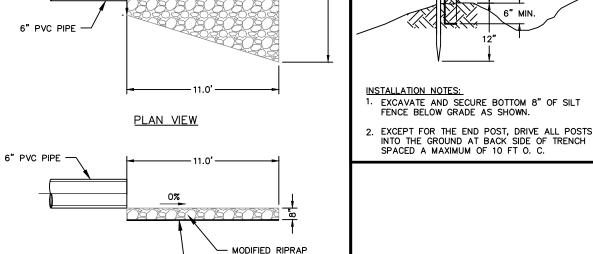
20% MAX LEACHING VOLUME = $27.8 \text{ CF} \times 0.20 = 5.6 \text{ CF} = 41.6 \text{ GAL}$.

11. DESIGN CALCULATIONS: 66"(W)x93"(L)x51"(H) INTERIOR TANK DIMENSIONS: TANK VOLUME PER INCH: ±26 GAL/INCH

STORAGE VOLUME OF LEACHING SYSTEM: 54 LF @ 3.9 GAL/LF = 208 GAL

- SET TO ALLOW MAXIMUM 39 GALLONS TO BE PUMPED EACH CYCLE SET 1.5" BETWEEN ON/OFF FLOATS EMERGENCY STORAGE VOLUME = DAILY DESIGN 4 BEDROOM DESIGN = 600 GALLONS 5 BEDROOM DESIGN = 675 GALLONS 6 BEDROOM DESIGN = 750 GALLONS
- 897 GALLONS PROVIDED, THEREFORE, VOLUME COMPLIES 12. DOSING MAY BE ADJUSTED BASED ON THE RECOMMENDATIONS OF GEOMATRIX.

PLAN (N.T.S) SILT FENCE RIPRAP STONE APRON 2" CRUSHED STONE NSTALLATION NOTES: EXCAVATE AND SECURE BOTTOM 8" OF SILT FENCE BELOW GRADE AS SHOWN

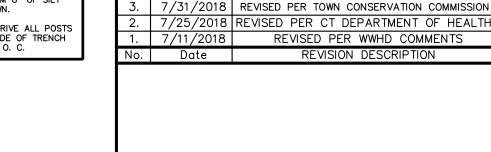


GEOTEXTILE SHOULD FIELD

CONSTRUCTION ENTRANCE

2" CRUSHED STONE -

CONDITIONS WARRANT





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SITE DEVELOPMENT PLAN

5 TIFFANY LANE WESTON, CONNECTICUT

PREPARED FOR

CLC ASSET HOLDINGS, LLC 4514 COLE AVENUE, STE 1175 DALLAS, TEXAS 75205

TO THE REST OF MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

cale AS NOTED b No. 851 rawing No.

ate 6/15/2018

39 New Haven Road

Seymour, CT 06483

P: (203) 881-8145

F: (203) 888-0436

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