

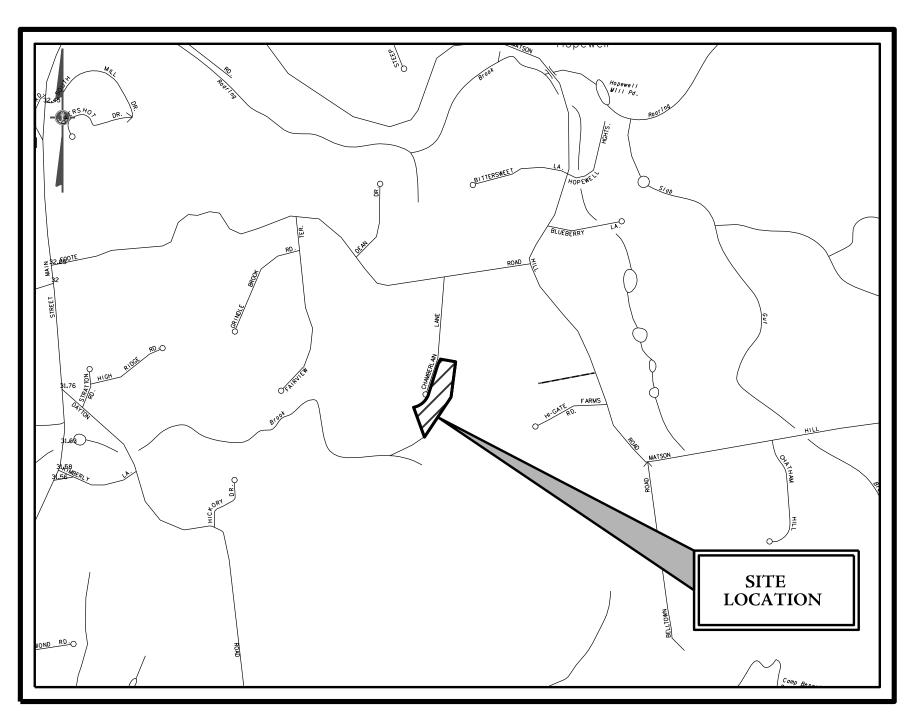
NATURAL DIVERSITY DATA BASE AREAS **GLASTONBURY** NOT TO SCALE

APPLICANT / OWNER:

ROSENBLIT ENTERPRISES, LLC 14 COOLIDGE ROAD WEST HARTFORD, CT 06117



DATE: MAY 30, 2024





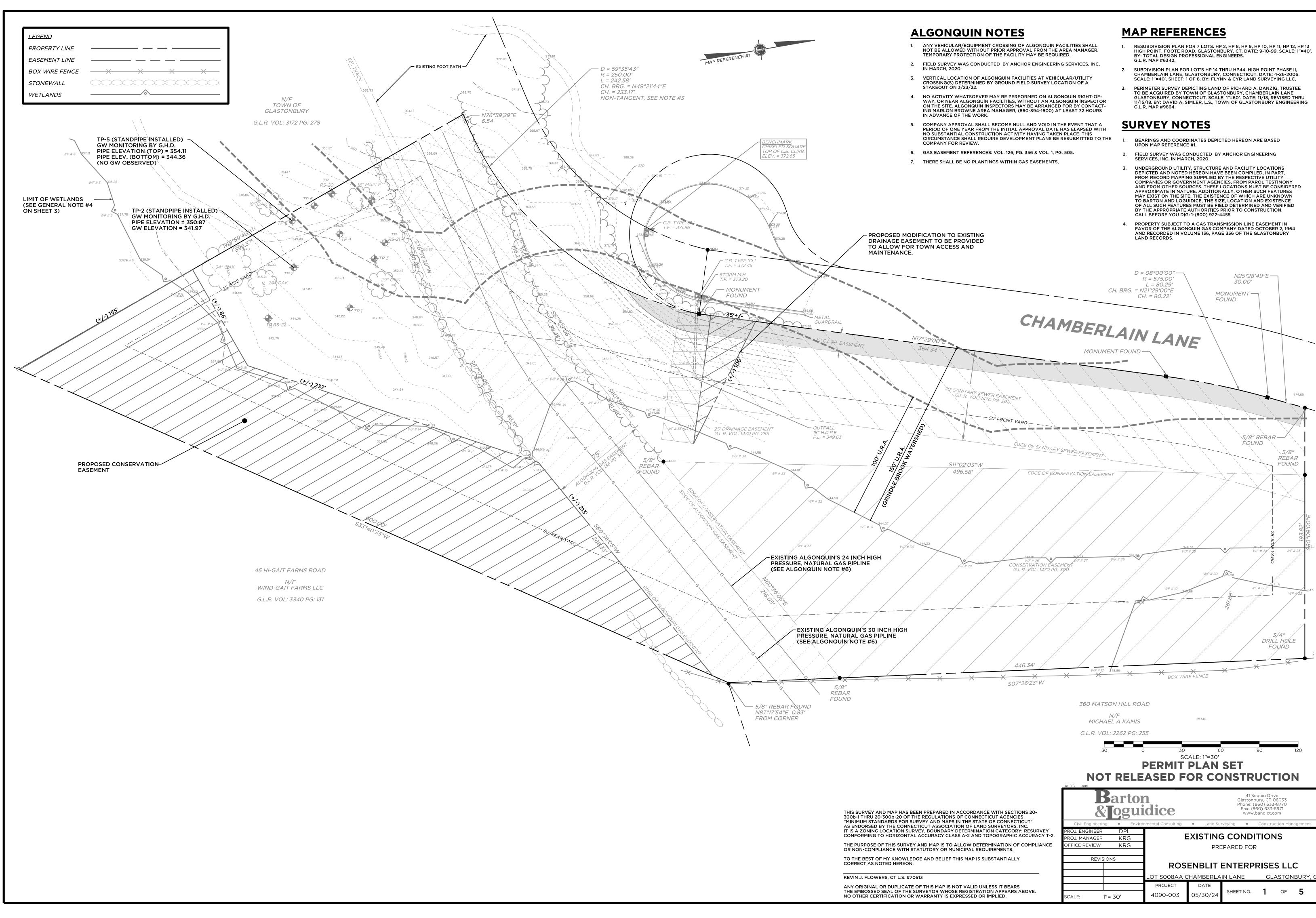
LOCATION MAP

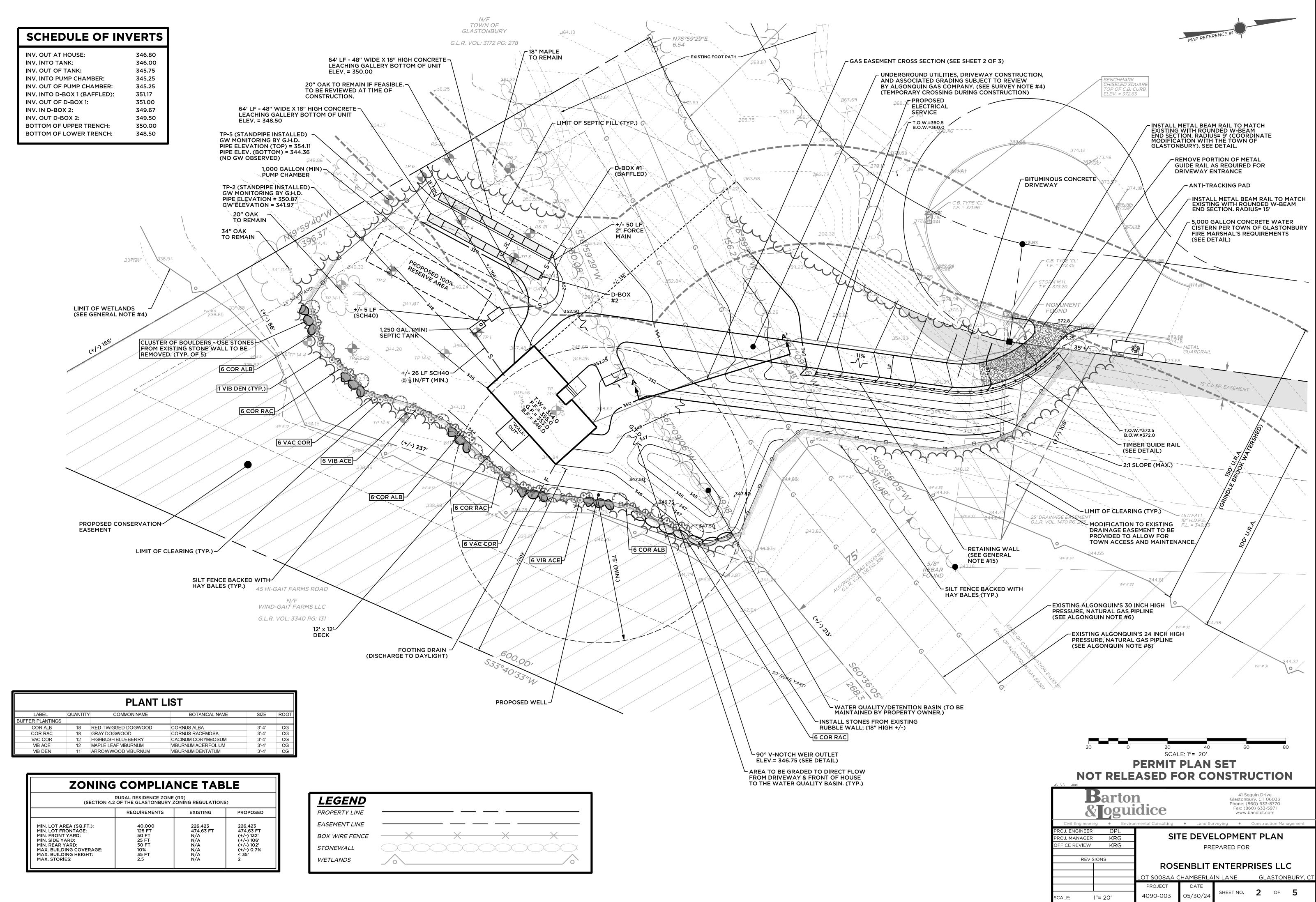
LIST OF SHEETS

EXISTING CONDITIONS SITE DEVELOPMENT PLAN **CONSTRUCTION NOTE & DETAILS**

2 3-5

Project No. 4090.003.002





PLANT LIST						
LABEL	QUANTITY	COMMON NAME	BOTANICAL NAME	SIZE	ROOT	
BUFFER PLANTINGS						
COR ALB	18	RED-TWIGGED DOGWOOD	CORNUS ALBA	3'-4'	CG	
COR RAC	18	GRAY DOGWOOD	CORNUS RACEMOSA	3'-4'	CG	
VAC COR	12	HIGHBUSH BLUEBERRY	CACINUM CORYMBOSUM	3'-4'	CG	
VIB ACE	12	MAPLE LEAF VIBURNUM	VIBURNUM ACERFOLIUM	3'-4'	CG	
VIB DEN	11	ARROWWOOD VIBURNUM	VIBURNUM DENTATUM	3'-4'	CG	

ZONING COMPLIANCE TABLE						
RURAL RESIDENCE ZONE (RR) (SECTION 4.2 OF THE GLASTONBURY ZONING REGULATIONS)						
	REQUIREMENTS	EXISTING	PROPOSED			
MIN. LOT AREA (SQ.FT.): MIN. LOT FRONTAGE: MIN. FRONT YARD: MIN. SIDE YARD: MIN. REAR YARD: MAX. BUILDING COVERAGE: MAX. BUILDING HEIGHT: MAX. STORIES:	40,000 125 FT 50 FT 25 FT 50 FT 10% 35 FT 2.5	226,423 474.63 FT N/A N/A N/A N/A N/A N/A	226,423 474.63 FT (+/-) 132' (+/-) 106' (+/-) 102' (+/-) 0.7% < 35' 2			

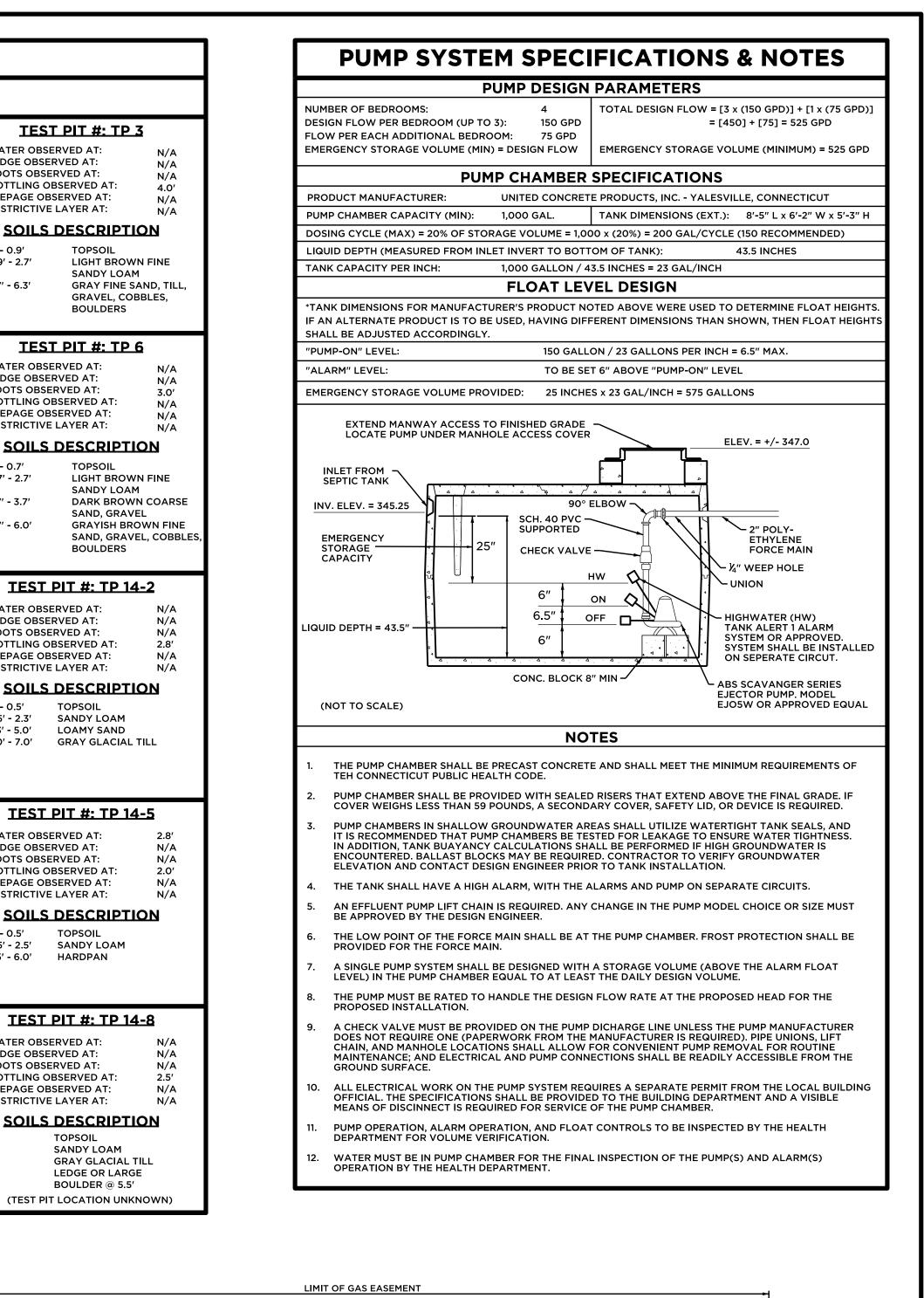
<u>LEGEND</u>	
PROPERTY LINE	
EASEMENT LINE	
BOX WIRE FENCE	
STONEWALL	
WETLANDS	

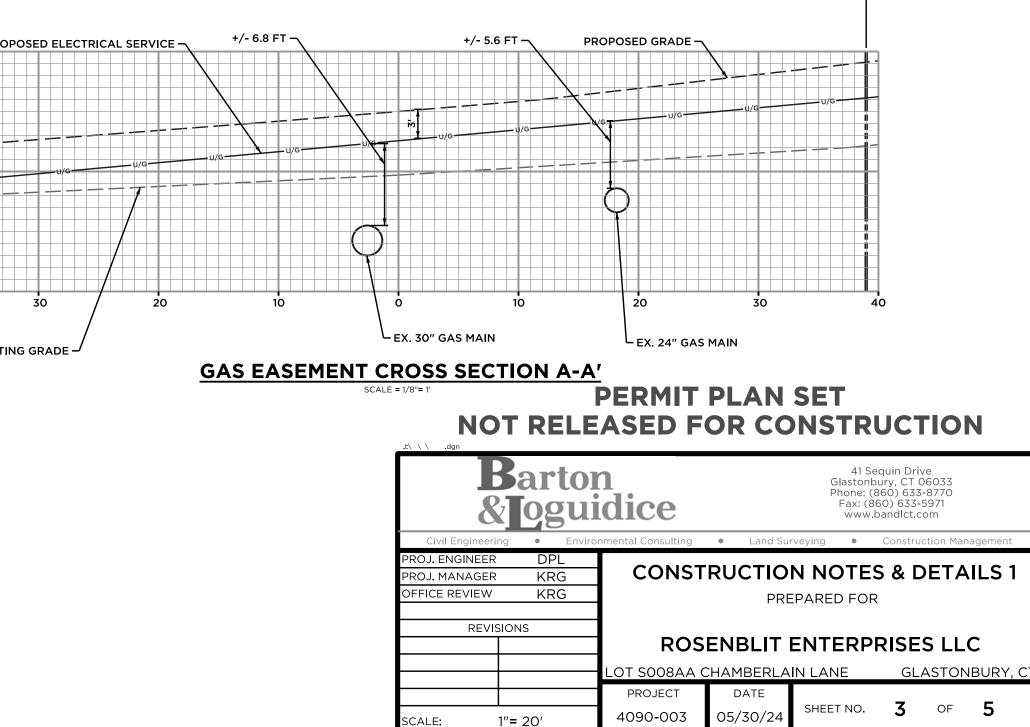
	GENERAL NOTES	SEI
1.	PARCEL DETAILS:	NUMBER OF BEDROOMS:
2.	 A) PARCEL ID: MAP/STREET/LOT #F13/2340/S008AA (A.K.A. FOOTE ROAD, GLASTONBURY, CT 06033) B) LOT AREA: 226,423 SQUARE FEET (OR) 5.20 ACRES. 	*PERCOLATION RATE (MIN/INCH): GARBAGE DISPOSAL PROPOSED: LARGE CAPACITY TUB (>100 GAL):
	ZONING: A) THE ZONING DISTRICT OF THIS PARCEL IS RURAL RESIDENTIAL (RR). B) USE OF LAND: RESIDENTIAL	MINIMUN HYDRAULIC FACTOR (HF):
	 C) USE OF LAND AND STRUCTURES SHALL COMPLY WITH THE APPLICABLE STANDARDS OF THE TOWN'S ZONING REGULATIONS. SEE ZONING COMPLIANCE TABLE, FOR THE MINIMUM LOT AND BULK REQUIRMENTS ASSOCIATED WITH THIS ZONE. 	FLOW FACTOR (FF): PERCOLATION FACTOR (PF):
	SURVEY INFORMATION/BENCHMARK: A) HORIZONTAL DATUM. COORDINATES AND BEARINGS SHOWN HEREON ARE BASED UPON THE NORTH AMERICAN DATUM OF 1983 (NAD 83) AND WERE OBTAINED VIA GPS PROCESSED THROUGH THE SUPERIOR	LEACHING SYSTEM USED: C PRODUCT DIMENSIONS: 4
	INSTRUMENT VRS RTK NETWORK. B) VERTICAL DATUM. ELEVATIONS SHOWN ARE IN FEET AND ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND WERE OBTAINED VIA GPS PROCESSED THROUGH THE SUPERIOR INSTRUMENT VRS RTK NETWORK.	EFFECTIVE LEACHING RATIO: 6. ELA (PROVIDED) = (2) x (64 LF) x (6
	 C) ELEVATIONS WERE FIELD VERIFIED ON JULY 28, 2020 BY ANCHOR ENGINEERING SERVICES, INC. D) A BENCHMARK IS TO BE SET IN THE FIELD PRIOR TO CONSTRUCTION. 	*PERCOLATION DATA PROVIDED BY
	INLAND WETLANDS & WATERCOURSES: A) LIMIT OF WETLANDS DEPICTED HEREON WERE FIELD DELINEATED ON JUNE 22, 2020 BY R.RICHARD SNARSKI, REGISTERED PROFESSIONAL SOIL SCIENTIST, OF NEW ENGLAND ENVIRONMENTAL SERVICES.	SI
	 B) UPLAND REVIEW AREA (U.R.A.) = 100 FEET. C) IF WETLAND LIKE SOILS OR WATERCOURSES ARE ENCOUNTERED, DIFFERENT THAN AS SHOWN, THEN 	1. GENERAL PROVISIONS: A) INSTALLATION OF AND I DISPOSAL SYSTEM (SSD) OF THE STATE OF COMM
	CONTRACTOR SHALL STOP WORK IMMEDIATELY AND CONTACT THE DESIGN ENGINEER. FLOOD HAZARD ZONE REFERENCE:	OF THE STATE OF CONN B) PRIOR TO THE START OF OR AND A BENCHMARK
	SUBJECT PROPERTY DOES NOT LIE IN A FLOOD HAZARD AREA PER FIRM (FLOOD INSURANCE RATE MAP): MAP NUMBER 09003C0539F, EFFECTIVE DATE OF SEPTEMBER 26, 2008 (NOT PRINTED) UTILITIES/CBYD:	C) A ONE HUNDRED PERCE D) IF THE CONTRACTOR FIN CONDITIONS ARE ADVER
	A) UNDERGROUND UTILITIES, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENT AGENCIES, FROM PAROL TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO ANCHOR ENGINEERING SERVICES, INC. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE	IMMEDIATELY AND NOTI E) THE SEPTIC SYSTEM SHO THE SUBSOIL IS SATURA ACTIVITY THAT MAY RES 2. SEWER PIPE:
	APPROPRIATE AUTHORITIES. B) THE CONTRACTOR SHALL CALL "CALL BEFORE YOU DIG" 1-800-922-4455 (OR) #811 AND HAVE ALL UTILITIES MARKED ON THE GROUND PRIOR TO CONSTRUCTION.	A) THE SEWER PIPE. A) THE SEWER PIPE FROM 1 40 ASTM D 1785 PRESSU 1/4 INCH PER FOOT.
	C) ALL UTILITY SERVICES ARE TO BE UNDERGROUND, UNLESS OTHERWISE SHOWN ON THIS PLAN. THE EXACT LOCATION AND SIZE OF ELECTRIC, TELEPHONE, CABLE TELEVISION, GAS, OR OTHER ARE TO BE DETERMINED BY THE RESPECTIVE UTILITY COMPANIES.	B) PIPING AFTER THE SEPT PVC SDR-35 ASTM 3034
	REGULATIONS/PERMITTING: A) THE CONTRACTOR AND/OR DEVELOPER SHALL CONFORM TO ALL REQUIREMENTS OF THE ZONING REGULATIONS, BUILDING CODE, AND OF ALL AGENCIES OF THE TOWN AND STATE OF CONNECTICUT.	C) ALL CHANGES OF PIPE D AND OUT OF THE SEPTIO THE PIPE INSTALLATION CONSTRUCTION AND FIN
	 B) ALL MATERIALS AND METHODS OF CONSTRUCTION WITHIN THE TOWN AND STATE RIGHT-OF-WAY SHALL CONFORM TO THE LATEST PUBLIC IMPROVEMENT STANDARDS. 	3. SEPTIC TANK AND DISTRIBUT
	 C) THE CONTRACTOR AND/OR DEVELOPER SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED TOWN AND/OR STATE PERMITS PRIOR TO ANY CONSTRUCTION ACTIVITY. FOUNDATION/ARCHITECTURE: 	STANDARD PRODUCTS O B) THE SEPTIC TANK SHALL D-BOXES SHALL BE SET
	SEE ARCHITECTURAL BUILDING PLANS FOR ACCURATE BUILDING DIMENSIONS AND DETAILS. PROPOSED BUILDING ELEVATIONS AND FOUNDATION LOCATION SUBJECT TO CHANGE AS FIELD CONDITIONS WARRANT. ALL DIMENSIONS AND BUILDING ELEVATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. ANY	C) SEPTIC TANK ACCESS PO RISERS ON ALL ACCESS 4. LEACHING SYSTEM INSTALLA
	DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER. GRADING/ELEVATIONS:	THE AREA WHERE THE PROPO PREPARED PRIOR TO PERFOR THE AREA FOR THE PROPOSE
	 A) PROPOSED CONTOURS ARE SHOWN IN AREAS OF PROPOSED CONSTRUCTION AND FINISH GRADING SHALL BE ACCOMPLISHED AS INDICATED BY THE PROPOSED CONTOURS. B) ALL ELEVATIONS SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER. DRAINAGE SWALES SHALL BE CONSTRUCTED 	15 FEET OUTSIDE THE ENDS A 5. SELECT FILL (IF APPLICABLE)
	AS INDICATED TO DIVERT SURFACE WATER RUNOFF AWAY FROM ANY STRUCTURE AND SEPTIC SYSTEM. SEDIMENT & EROSION CONTROL:	A) WHERE PLAN INDICATES TOPSOIL CAREFULLY STB) THE AREA TO BE FILLED
	SEDIMENT AND EROSION CONTROL MEASURES AS DEPICTED ON THESE PLANS SHALL BE IMPLEMENTED AND MAINTAINED UNTIL PERMANENT COVER AND STABILIZATION ARE ESTABLISHED. ALL EROSION & CONTROL MEASURES SHALL CONFORM TO THE "2002 CONNECTICUT GUIDELINES FOR SOIL AND SEDIMENT CONTROL" AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL. ANY ADDITIONAL SEDIMENT & EROSION CONTROL MEASURES DEEMED NECESSARY BY TOWN STAFF OR THE DESIGN ENGINEER SHALL BE INSTALLED BY THE SITE CONTRACTOR. ALL EROSION CONTROLS ARE TO BE INSPECTED BEFORE, DURING, AND AFTER EVERY STORM EVENT AND REPAIRED OR REPLACED AS NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANING OF NEARBY STREETS, AS ORDERED BY THE TOWN OR STATE, OF ANY DEBRIS ASSOCIATED WITH THIS SITE'S CONSTRUCTION ACTIVITIES.	TO THE PROPOSED LEAG AFTER PREPARATION, TI C) THE FILL MATERIAL SHA OF THE LATEST REVISIO TECHNICAL STANDARDS ACCEPTABLE TO THE HE
	WATER SUPPLY: A) THE PROPOSED HOUSE IS TO BE CONNECTED TO A PRIVATE DOMESTIC WATER WELL. LOCATION AS SHOWN. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER.	SIEVE
	B) MINIMUM SEPARATING DISTANCE TO THE POTABLE WATER SUPPLY WELL OF 75 FEET FROM ANY PART OF ANY SUBSURFACE SEWAGE DISPOSAL SYSTEM (ON SITE OR OFF); AND 25 FEET FROM A FOUNDATION DRAIN SHALL BE MAINTAINED.	#1 #1 #2
	 C) INSTALLATION OF THE PRIVATE DOMESTIC WATER WELL AND CONSTRUCTION MATERIALS USED SHALL COMPLY WITH THE LASTEST REVISIONS OF THE CONNECTICUT PUBLIC HEALTH CODE. WASTEWATER DISPOSAL SYSTEM: 	*(PERCENT PASSING THE PASSING THE #100 SIEVE D) THE FILL MATERIAL SHA
	 A) THE PROPOSED HOUSE IS TO BE CONNECTED TO AN ON-SITE SUBSURFACE SEWAGE DISPOSAL SYSTEM. B) INSTALLATION OF AND MATERIALS USED FOR THE CONSTRUCTION OF THE SUBSURFACE DISPOSAL 	AND SPREAD TOWARD T RIDES ONLY ON NEW FIL E) THE FILL SHALL BE SPRE
	SYSTEM AND ITS COMPONENTS SHALL COMPLY WITH ALL RESPECTS WITH THE LASTEST REVISION OF THE STATE OF CONNECTICUT PUBLIC HEALTH CODE. SEE SEPTIC SYSTEM NOTES FOR ADDITIONAL INFORMATION REGARDING DESIGN AND INSTALLATION.	HEAVY MACHINERY, TO COMPACTING, THE ENTIF TAKEN TO ENSURE ADEQUATELY COMPACT
	GUTTERS/ROOF DRAINS: GUTTERS AND ROOF DRAINS SHALL BE TIED INTO THE TOWN STORM DRAINAGE SYSTEM WHERE FEASIBILE. WHERE REQUIRED, ROOF LEADERS ARE TO DISCHARGE TO SPLASH PADS AT GRADE AND BE DIRECTED AWAY FROM THE FOUNDATION.	F) AFTER THE AREA FOR THE LEACHING SYSTEM SHALE6. SPECIAL RECOMMENDATIONS
	FOOTING PERIMETER DRAINS: DUE TO SOIL CONDITIONS AND BASEMENT ELEVATIONS, A FOOTING PERIMETER DRAIN IS RECOMMENDED. THE	A) LOW FLOW SANITARY F FOR INSTALLATION IN P
	FOOTING DRAIN SHALL BE CONSTRUCTED OF TIGHT PIPE AND INSTALLED NO LESS THAN 25 FT UPGRADIENT OR 50 FEET DOWN GRADIENT OF ANY SUBSURFACE DISPOSAL SYSTEM. THE FOOTING DRAIN SHALL DISCHARGE TO DAYLIGHT OR CONNECT TO THE TOWN'S STORM DRAINAGE SYSTEM WHENEVER POSSIBLE. DESIGN OR LOCATION DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGN ENGINEER PRIOR TO INSTALLATION.	B) GARBAGE GRINDERS AR IF A GARBAGE DISPOSAI INCREASED BY A MINIMU
	RETAINING WALL: ANY RETAINING WALL OR DECORATIVE LANDSCAPING WALL EXCEEDING FOUR (4) FEET IN HEIGHT SHALL RE-	C) IF A LARGE CAPACITY (1 SEPTIC TANK SHALL BE PUBLIC HEALTH CODE FO D) THE BOTTOM OF THE SE
	QUIRE A BUILDING PERMIT. PRIOR TO CONSTRUCTION, THE WALL DESIGN AND STRUCTURAL CALCULATIONS IN COMPLIANCE WITH THE REQUIRMENTS OF THE BUILDING CODE SHALL BE SUBMITTED FOR APPROVAL. DISTURBED AREAS/SEEDING:	 7. INSPECTION/AS-BUILT: A) AFTER CONSTRUCTION /
	ALL AREAS, EXCEPT SIDEWALKS AND DRIVEWAYS, DISTURBED DURING CONSTRUCTION MUST BE RESTORED WITH 4" MINIMUM OF TOPSOIL AND STABILIZED WITH VEGETATION AS SOON AS POSSIBLE AFTER THE FOUND- ATION IS COMPLETED TO PREVENT EROSION. ALL AREAS ARE TO BE RAKED, SEEDED, AND FERTILIZED. LAWN AND ANY OTHER LANDSCAPING MUST BE PLANTED PRIOR TO A REQUEST FOR A CERTIFICATE OF OCCUPANCY. RECOMMENDED SEEDING DATES ARE FROM MARCH 15 TO JUNE 15 AND FROM SEPTEMBER 15 TO OCTOBER 15.	B) A RECORD PLAN (AS-BU PREPARED BY THE INSTRICT T
-	LOT CORNERS/PINNING: WHEN A CERTIFICATE OF OCCUPANCY IS REQUESTED, ALL LOT (AND EASEMENT) CORNERS MUST BE FLAGGED FOR FIELD IDENTIFICATION. ANY LOT CORNER MISSING OR DAMAGED MUST BE RE-ESTABLISHED BY A LICENSED CONNECTICUT LAND SURVEYOR.	
•	RECORD DRAWINGS/AS-BUILT: WHEN A CERTIFICATE OF OCCUPANCY IS REQUESTED, RECORD DRAWINGS OF THE ENTIRE SITE SHALL BE SUBMITTED TO THE TOWN UPON COMPLETION OF THE WORK AND SHALL BE IN THE FORM ACCEPTABLE TO THE	
9.	TOWN. THE CONTRACTOR/DEVELOPER/OWNER SHALL BE RESPONSIBLE FOR PROCURRING ALL INFORMATION NECESSARY TO GENERATE SAID DRAWINGS. HOUSE ADDRESS:	
	ADDRESS NUMERALS SHALL BE POSTED IN ACCORDANCE WITH STATE CODE REQUIREMENTS AND LOCAL ORDINANCE. NEW AND EXISTING BUILDINGS SHALL HAVE APPROVED ADDRESS NUMBERS PLACED IN A POSITION TO BE PLAINLY LEGIBLE AND VISIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. ADDRESS SEQUENCE SIGNS AT	
~	INTERSECTIONS ARE REQUIRED. ADDRESS NUMBERS SHALL BE A MINIMUM OF 4 INCHES (100 MM) HIGH WITH A MINIMUM STROKE WIDTH OF ½ INCH.	
:0.	BLASTING: BLASTING ACTIVITY IF REQUIRED SHALL BE CONDUCTD IN ACCORDANCE WITH FEDERAL, STATE AND INDUSTRY REQUIREMENTS.	
21.	CONSTRUCTION DEBRIS: THE DISPOSAL OF CONSTRUCTION DEBRIS BY OPEN BURNING IS NOT PERMTTED, THIS INCLUDES ANY VEGETATION	

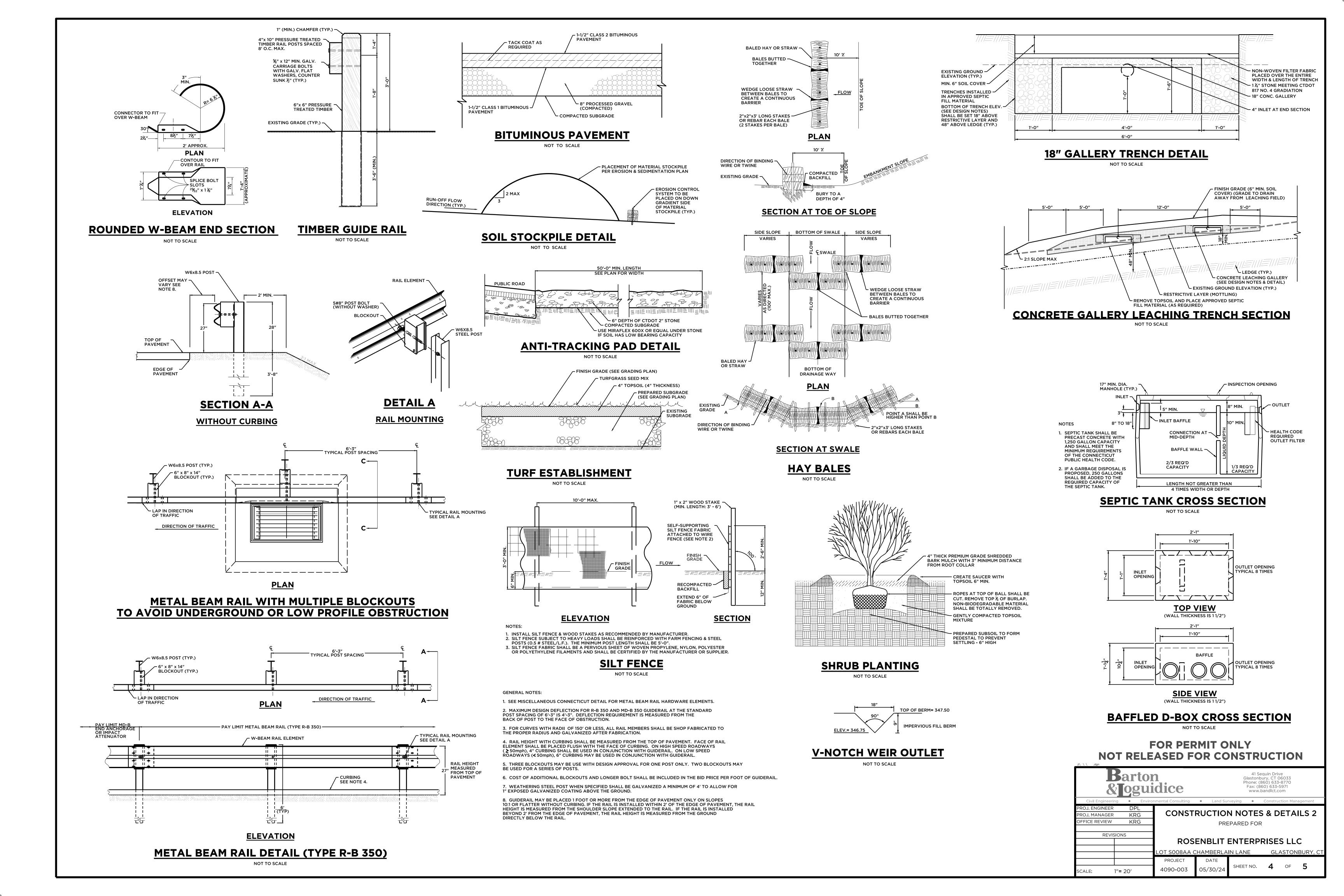
SEPTIC SYS	TEM DESIGN			SOIL TEST RESULTS	5
DESIGN PA	RAMETERS			NCHOR ENGINEERING SERVICES, INC. ON 8/26/20	
DROOMS: 4 RATE (MIN/INCH): 10.1 - 20	EFFECTIVE LEACHING AREA (ELA) REQ.:787.5 SFRESTRICTIVE LAYER: (TEST PIT 3)48 INCHESHUMBER: (DECEMPTION FOR CONTRACT OF CONTRACT	TEST PITS 14-1 THROUGH		BY OTHERS (DATA PROVIDED BY TOWN) ON 1/13	/2010
OSAL PROPOSED: NO TY TUB (>100 GAL): NO	HYDRAULIC GRADIENT/SLOPE:+/- 8.5 %SEPTIC TANK SIZE REQUIRED (MIN):1,250 GAL.	WATER OBSERVED AT: LEDGE OBSERVED AT:	N/A N/A	WATER OBSERVED AT: N/A LEDGE OBSERVED AT: N/A	- WATER LEDGE
MINIMUM LEACHING S	YSTEM SPREAD (MLSS)	ROOTS OBSERVED AT: MOTTLING OBSERVED AT	5.5′	ROOTS OBSERVED AT: N/A MOTTLING OBSERVED AT: 2.5'	ROOTS MOTTL
CTOR (HF): 20 (FF): 1.75	MLSS (REQUIRED): = (HF) x (FF) X (PF) = (20) x (1.75) x (1.25)	SEEPAGE OBSERVED AT: RESTRICTIVE LAYER AT:		SEEPAGE OBSERVED AT:N/ARESTRICTIVE LAYER AT:N/A	SEEPAC RESTRI
FACTOR (PF): 1.25	= 43.75 LINEAR FEET	SOILS DESCRI 0' - 0.5' TOPSOIL	PTION	SOILS DESCRIPTION	<mark>SO</mark> 0′ - 0.9′
TEM USED: CONCRETE GALLERY NSIONS: 4' W x 8' L x 18" H CHING RATIO: 6.2 SF/LF	CENTER-TO-CENTER SPACING: 12 LINEAR FEET CONFIGURATION (AS SHOWN): 2 ROWS AT 64 LF EA. NUMBER OF UNITS: 16 UNITS TOTAL	0.5' - 2.6' LIGHT BRO LOAM, COM	WN FINE SANDY IPACT GRAVEL ND, GRAVEL BOULDERS	0.7' - 2.5' LIGHT BROWN FINE SANDY LOAM 2.5' - 5.0' GRAYISH BROWN FINE SAND GRAVEL, COBBLES, BOULDERS SLIGHTLY COMPACT	0.9' - 2. 2.7' - 6.
) = (2) x (64 LF) x (6.2 SF/LF) = 793.6 SF	MLSS (PROVIDED) = 64 LINEAR FEET			(STANDPIPE INSTALLED) PIPE ELEV. = 350.87	
DATA PROVIDED BY TOWN OF GLASTON	BURY HEALTH DEPT.	TEST PIT #:		TEST PIT #: TP 5] WATER
SEPTIC SY	STEM NOTES	WATER OBSERVED AT: LEDGE OBSERVED AT: ROOTS OBSERVED AT: MOTTLING OBSERVED AT SEEPAGE OBSERVED AT:		WATER OBSERVED AT:N/ALEDGE OBSERVED AT:N/AROOTS OBSERVED AT:4.0'MOTTLING OBSERVED AT:N/ASEEPAGE OBSERVED AT:N/A	LEDGE ROOTS MOTTLI SEEPAG
		RESTRICTIVE LAYER AT: SOILS DESCRI	N/A	RESTRICTIVE LAYER AT: 3.0' SOILS DESCRIPTION	RESTRI SO
	R THE CONSTRUCTION OF THE SUBSURFACE SEWAGE ONENTS SHALL COMPLY WITH THE LASTEST REVISION LTH CODE, AS AMENDED.	0' - 0.8' TOPSOIL		0' - 0.4' TOPSOIL 0.4' - 2.2' LIGHT BROWN FINE SANDY	0' - 0.7'
	E SSDS IS TO BE STAKED BY A LICENSED LAND SURVEY- 40 FEET OF THE SEPTIC SYSTEM LEACHING AREA.	LOAM, GRA	WN FINE SANDY VEL Y SILTY FINE	LOAM 2.2' - 3.0' DARK BROWN COARSE SAND	0.7′ - 2. 2.7′ - 3.
NE HUNDRED PERCENT (100%) SEPTIC RE	SERVE AREA HAS BEEN PROVIDED, AS SHOWN.	SAND 4.1' - 6.5' DARK BRO'	WN SAND, FINE	GRAVEL 3.0' - 5.0' GRAYISH BROWN SILTY FINE	3.7′ - 6.
	ERENT THAN THOSE NOTED ON THE PLANS OR IF ON, THEN THE CONTRACTOR MUST STOP WORK NEER.	SAND, GRA	VEL, BOULDERS	SAND, GRAVEL COBBLES, BOULDERS, TILL (STANDPIPE INSTALLED) PIPE ELEV. = 354.11	
	UCTED DURING WET WEATHER CONDITIONS OR IF TAKEN TO PROTECT LEACHING SYSTEM FROM ANY	TEST PIT #:	<u>TP 7</u>	TEST PIT #: TP 14-1	TE
IVITY THAT MAY RESULT IN SEDIMENTATION		WATER OBSERVED AT: LEDGE OBSERVED AT:	N/A N/A	WATER OBSERVED AT: N/A LEDGE OBSERVED AT: N/A	WATER LEDGE
SEWER PIPE FROM THE HOUSE TO THE SE	EPTIC TANK SHALL BE 4" DIAMETER PVC SCHEDULE PPROVED EQUAL. THE MINIMUM SLOPE SHALL BE	ROOTS OBSERVED AT: MOTTLING OBSERVED AT SEEPAGE OBSERVED AT: RESTRICTIVE LAYER AT:	2.2' : 2.3'	ROOTS OBSERVED AT: N/A MOTTLING OBSERVED AT: 2.5' SEEPAGE OBSERVED AT: N/A RESTRICTIVE LAYER AT: N/A	ROOTS MOTTLI SEEPAC RESTRI
NG AFTER THE SEPTIC TANK TO THE DISTR SDR-35 ASTM 3034 PIPE OR APPROVED E	RIBUTION BOX (D-BOX) SHALL BE A 4" DIAMETER QUAL.	SOILS DESCRI		SOILS DESCRIPTION	so
OUT OF THE SEPTIC TANK AND D-BOXES PIPE INSTALLATION IS COMPLETE. INSTAL ISTRUCTION AND FINAL GRADING TO AVC	MADE WITH PROPER FITTINGS. PIPE LEADING INTO SHALL BE PROPERLY SECURED INTO PLACE AFTER LLED PIPING SHALL BE PROTECTED DURING DID CRUSHING OR DISPLACING.	LOAM 2.2' - 2.9' LIGHT BRO) TOPSOIL WN FINE SANDY WN FINE SAND WN SAND, FINE	0' - 0.5' TOPSOIL 0.5' - 2.5' SANDY LOAM 2.5' - 3.0' LOAM 3.0' - 6.0' GRAY GLACIAL TILL	0' - 0.5' 0.5' - 2. 2.3' - 5.0 5.0' - 7.
	ECAST CONCRETE OR APPROVED EQUAL AND SHALL BE	SAND. GRA BOULDERS	VEL, COBBLES,		
SEPTIC TANK SHALL BE SET LEVEL ON A I	ARLY ENGAGED IN THE MANUFACTURE OF SUCH UNITS. FIRM BED OF NATIVE SOIL OR SAND FILL AND ALL	TEST PIT #: T	P 14-3	TEST PIT #: TP 14-4	TE
	CAVATED TRENCH AFTER BACKFILLING WITH STONE. THAN 12 INCHES (12") BELOW GRADE SHALL REQUIRE	WATER OBSERVED AT: LEDGE OBSERVED AT:	N/A N/A	WATER OBSERVED AT: 3.5' LEDGE OBSERVED AT: 5.5'	WATER LEDGE
RS ON ALL ACCESS PORTS.		ROOTS OBSERVED AT: MOTTLING OBSERVED AT	N/A	ROOTS OBSERVED AT: N/A MOTTLING OBSERVED AT: 2.0'	ROOTS MOTTLI
	EM IS TO BE INSTALLED SHALL BE PROPERLY ISTALLATION OF THE SUBSURFACE DISPOSAL SYSTEM.	SEEPAGE OBSERVED AT: RESTRICTIVE LAYER AT:	N/A N/A	SEEPAGE OBSERVED AT: N/A RESTRICTIVE LAYER AT: N/A	SEEPAC RESTRI
	SHALL MEAN THE ENTIRE AREA WITHIN THE PERIMETER	SOILS DESCRI 0' - 0.5' TOPSOIL	PTION	SOILS DESCRIPTION	SO 0′ - 0.5′
ILL (IF APPLICABLE):	OCCUR, ALL VEGETATION SHALL BE REMOVED AND	0.5' - 2.8' SANDY LOA 2.8' - 7.0' GRAY GLAC		0.5' - 2.0' SANDY LOAM 2.0' - 3.0' SILT LOAM	0 - 0.5 0.5' - 2. 2.5' - 6.1
SOIL CAREFULLY STRIPPED AND STOCKPI	LED FOR LATER REPLACEMENT OVER THE FILL AREA.			3.0' - 5.5' COMPACT GRAY GLACIAL TILL, LEDGE	
THE PROPOSED LEACHING TRENCHES, TO ER PREPARATION, THIS AREA SHALL BE P	ED BY HAND OR MACHINE, IN A DIRECTION PARALLEL ALLOW PROPER UNITING WITH THE PROPOSED FILL. ROTECTED FROM TRAFFIC.	TEST PIT #: TI	0 14-6	TEST PIT #: TP 14-7	TE
THE LATEST REVISION TO THE CONNECTION	FILL SPECIFICATIONS OUTLINED IN SECTION VIII.A	WATER OBSERVED AT:	N/A	WATER OBSERVED AT: N/A	WATER
EPTABLE TO THE HEALTH DISTRICT.	EWAGE DISPOSAL SYATEMS. ALL FILL SHALL BE	LEDGE OBSERVED AT: ROOTS OBSERVED AT: MOTTLING OBSERVED AT	N/A N/A : 2.0'	LEDGE OBSERVED AT: N/A ROOTS OBSERVED AT: N/A MOTTLING OBSERVED AT: 2.5'	LEDGE ROOTS MOTTLI
SIEVE SIZE (WE	PERCENT PASSING T SIEVE) (DRY SIEVE)	SEEPAGE OBSERVED AT: RESTRICTIVE LAYER AT:		SEEPAGE OBSERVED AT: N/A RESTRICTIVE LAYER AT: N/A	SEEPAC
#10 70	100 100 - 100 70 - 100	SOILS DESCRI	PTION	SOILS DESCRIPTION	<u>so</u>
#100 0	- 50* 10 - 75 - 20 0 - 5 - 20 0 - 5	0.9' - 0.9' TOPSOL 0.9' - 2.3' SANDY LOA 2.3' - 2.5' COMPACT S		0.5' - 0.5' TOPSOIL 0.5' - 2.0' SANDY LOAM 2.0' - 3.0' LOAM	
	0 - 5 0 - 2.5 NCREASED TO NO GREATER THAN 75% IF THE PERCENT	2.5′ - 6.0′ GRAY HARD	PAN	3.0' - 6.8' GRAY GLACIAL TILL	
	0% AND THE #200 SIEVE DOES NOT EXCEED 5%) E UPHILL SIDE OF THE PROPOSED LEACHING AREA	TEST PIT #: TI	0 1/1_0	(TEST PIT LOCATION UNKNOWN)	(TE
SPREAD TOWARD THE DOWNFILL SIDE V SONLY ON NEW FILL.	VITH A BULLDOZER, TAKING CARE THAT MACHINERY	WATER OBSERVED AT:	N/A		
VY MACHINERY, TO A POINT WHERE IT IS IPACTING, THE ENTIRE FILLED AREA SHAL	E AREA IN 12 INCH (12") LIFTS AND COMPACTED BY FIRM. UPON COMPLETION OF SPREADING AND L BE BACKBLADED AND SPECIAL CARE SHALL BE L AREA, AND TOE OF SLOPE, IS EVENLY AND	LEDGE OBSERVED AT: ROOTS OBSERVED AT: MOTTLING OBSERVED AT SEEPAGE OBSERVED AT: RESTRICTIVE LAYER AT:			
ER THE AREA FOR THE PROPOSED LEACH CHING SYSTEM SHALL BE INSTALLED PER	ING SYSTEM HAS BEEN PROPERLY FILLED, THE MANUFACTURERS SPECIFICATIONS.	SOILS DESCRI	,		PROF
RECOMMENDATIONS:		0' - 0.6' TOPSOIL 0.6' - 2.3' SANDY LOA 2.3' - 3.0' LOAMY SAN		360-	
V FLOW SANITARY FIXTURES AND FLOW F INSTALLATION IN PROPOSED HOUSE.	RESTRICTIVE SHOWER HEADS ARE RECOMMENDED	3.0' - 7.0' COMPACT G GLACIAL TI	iRAY		
GARBAGE DISPOSAL IS TO BE INSTALLED REASED BY A MINIMUM OF 250 GALLONS.	D FOR USE WITH SUBSURFACE DISPOSAL SYSTEMS. , THEN THE SIZE OF THE SEPTIC TANK SHALL BE TER) TUB IS INSTALLED THEN THE SIZE OF THE	(TEST PIT LOCATION	UNKNOWN)	350-	
	MUM OF 250 TO GALLONS. SEE THE CONNECTICUT				U/G
BOTTOM OF THE SEPTIC SYSTEM SHALL E ON/AS-BUILT:	BE NO DEEPER THAN THIRTY (30") INCHES INTO GRADE.				
ER CONSTRUCTION AND PRIOR TO COVER	RING, THE SEPTIC SYSTEM INSTALLER SHALL NOTIFY BY FOR INSPECTION. THE HEALTH DISTRICT SHALL				
	STEM FOR COMPLIANCE WITH THE STATE OF			340- 40	

ECTICUT PUBLIC HEALTH CODE AND APPROVED PLANS PRIOR TO COVERING. ORD PLAN (AS-BUILT) OF THE SEWAGE DISPOSAL SYSTEM AND ITS COMPONENTS SHALL BE ARED BY THE INSTALLER AND BE SUBMITTED TO THE HEALTH DISTRICT.

EXISTING GRADE -









Connecticut Department of ENERGY & ENVIRONMENTAL

PROTECTION

Marek L Kemet Barton & Loguidice, LLC 41 Sequin Drive Glastonbury, CT 06033 <u>mkement@bartonandloguidice.com</u>

Project: Construction of Single Family Residence Located at 108 Chamberlain Lane, Glastonbury, Connecticut NDDB Determination No.: 202110913

February 1, 2022

Dear Merek Kement,

I have reviewed Natural Diversity Data Base maps and files regarding the area delineated on the map you provided for the Construction of Single Family Residence Located at 108 Chamberlain Lane, Glastonbury, Connecticut. According to our information there are State Endangered *Crotalus horridus* (timber rattlesnake) and State Special Concern *Terrapene c. carolina* (eastern box turtle) and *Clemmys guttata* (spotted turtle) known from this area.

Timber Rattlesnake: Rattlesnakes are actively foraging in Connecticut forests between April 1st and October 31st. Populations of this reptile have declined dramatically in recent years primarily due to habitat fragmentation and human persecution. These snakes cannot regulate their body temperature internally and must warm themselves in the sun. In the warmer months they are more nocturnal. The location of this project falls within the foraging area of this species. The timber rattlesnake is protected by state law and it is illegal to move, harass, collect, or kill rattlesnakes in Connecticut.

Recommended Protection Strategies for Timber Rattlesnake:

Most work should be done when these snakes are dormant (November 1st through March 31st) to protect both workers and timber rattlesnakes. <u>If this is not possible and work must be done during the active period (April 1st through October 31st) then these additional protection measures must be implemented.</u>

- A qualified herpetologist must be on-site to conduct sweeps and to move any snakes out of harm's way. Your qualified herpetologist should have experience handling venomous snakes and should have a DEEP scientific collecting permit to handle this species. All consultants and workers should be in close coordination with our program while work is ongoing with regards to snake issues or encounters (if you must do work during the active season for this snake). The project site must be searched each day prior to commencing work and any snake encountered should be moved out of the way, just outside the construction zone by your qualified herpetologist.
- Encounters with this snake may be common during the active period and work crews should be advised of snake description and possible presence.
- The project site should be searched each day prior to commencing work; and
- Any snakes encountered should be moved out of way just outside construction zone by a qualified person trained in handling snakes
- All silt fences should be removed as soon as possible; and
- All observations of any timber rattlesnake should be reported to the NDDB as soon as possible.

Eastern Box Turtle: Eastern box turtles inhabit old fields and deciduous forests, which can include power lines and logged woodlands. They are often found near small streams and ponds. The adults are completely terrestrial, but the young may be semiaquatic, and hibernate on land by digging down in the soil from October to April. They have an extremely small home range and can usually be found in the same area year after year. Eastern box turtles have been negatively impacted by the loss of suitable habitat. Some turtles may be killed directly by construction activities, but many more are lost when important habitat areas for shelter, feeding, hibernation, or nesting are destroyed. As remaining habitat is fragmented into smaller pieces, turtle populations can become small and isolated.

Spotted Turtle: Individuals of this species are associated with wetlands and are vernal pool obligates. Over the course of a season and lifetime, individuals will travel large distances (up to 1km) over upland forest and fields between multiple wetlands. They overwinter burrowed into the mud in wetlands between Nov 1- March 15. They do not begin to reproduce until 7-10 years old and adults can live at least 30 years. This species is threatened most by any activities that reduce adult survivorship including road kills, commercial and casual collection, increased predation in areas around commercial and residential development, mortality and injury from agricultural equipment or other mechanical equipment.

Both of these turtles may be found in your work area, general awareness and avoidance measures will help protect them from being crushed during work activities. Normally we ask that project work occur when these turtles are active (April 1st to September 30th). Conducting land clearing while the turtle is active will allow the animal to move out of harm's way and minimize mortality to hibernating individuals. <u>However, because this project occurs</u> within the foraging range of the timber rattlesnake in this particular instance you should try to do most work when the turtles (and timber rattlesnake are dormant).

Recommended Protection for Turtles When the Species Is Inactive (October 1st through March 30th): Keeping heavy equipment in paved areas to the greatest extent possible and hand-felling trees to the greatest extent possible will minimize the potential for heavy machinery to crush hibernating turtles located in the forested edges, preferred habitat for box turtles to hibernate in. Overall, minimizing ground disturbance along the forest edges will minimize the potential for box turtle mortality during the winter months.

Protection for Turtles When the Species Is Active (April 1st through September30th):

- Hiring a qualified herpetologist to be on site to ensure these protection guidelines remain in effect and prevent turtles from being run over when moving heavy equipment. This is especially important in the month of June when turtles are selecting nesting sites. All construction personnel working within the turtle habitat must be apprised of the species description and the possible presence of a listed species and instructed to relocate turtles found inside work areas or notify the appropriate authorities to relocate individuals. The Contractor and consulting herpetologist must search the work area each morning prior to any work being done. If a turtle is discovered later in the day after the initial search work should stop until the turtle can be relocated by the qualified herpetologist or educated construction worker. Any turtles encountered within the immediate work area shall be carefully moved to an adjacent area outside of the excluded area and any exclusionary fencing should be inspected to identify and remove access point. The goal is to keep turtles from being unintentionally killed during this project.
- Exclusionary practices will be required to prevent any turtle access into construction areas. These measures will need to be installed at the limits of disturbance.
- Exclusionary fencing must be at least 20 in tall and must be secured to and remain in contact with the ground and be regularly maintained (at least bi-weekly and after major weather events) to secure any gaps or openings at ground level that may let animal pass through. Do not use plastic or netted silt-fence.
 All staging and storage areas, outside of previously paved locations, regardless of the duration of time they
- will be utilized, must be reviewed to remove individuals and exclude them from re-entry.In areas where silt fence is used for exclusion, it shall be removed as soon as the area is stable to allow for
- In areas where silt fence is used for exclusion, it shall be reptile and amphibian passage to resume.
- No heavy machinery or vehicles may be parked in any turtle habitat.
- Special precautions must be taken to avoid degradation of wetland habitats including any wet meadows and seasonal pools.
 Avoid and limit any equipment use within 100 feet of streams and brooks. If tree cutting is required within
- 100 feet of streams or brooks, cut them to fall away from the waterway and do not drag trees across the waterway or remove stumps from banks.
- Any confirmed sightings of box, wood or spotted turtles should be reported and documented with the NDDB (<u>nddbrequestdep@ct.gov</u>) on the appropriate special animal form found at (<u>http://www.ct.gov/deep/cwp/view.asp?a=2702&q=323460&depNav_GID=1641</u>)

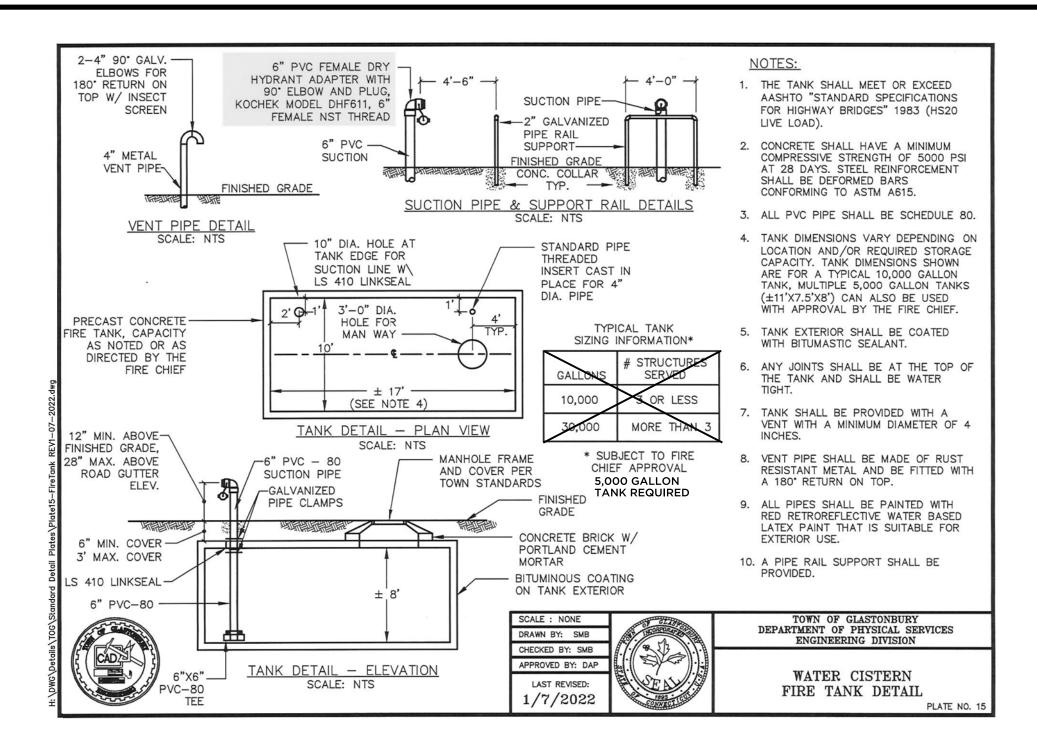
This determination is good for two years. Please re-submit an NDDB Request for Review if the scope of work changes or if work has not begun on this project by February 1, 2024.

Natural Diversity Data Base information includes all information regarding critical biological resources available to us at the time of the request. This information is a compilation of data collected over the years by the Department of Energy and Environmental Protection's Natural History Survey and cooperating units of DEEP, private conservation groups and the scientific community. This information is not necessarily the result of comprehensive or site-specific field investigations. Consultations with the Data Base should not be substitutes for on-site surveys required for environmental assessments. Current research projects and new contributors continue to identify additional populations of species and locations of habitats of concern, as well as, enhance existing data. Such new information is incorporated into the Data Base as it becomes available.

Please contact me if you have further questions at (860) 424-3592, or <u>dawn.mckay@ct.gov</u>. Thank you for consulting the Natural Diversity Data Base. A more detailed review may be conducted as part of any subsequent environmental permit applications submitted to DEEP for the proposed site.

Sincerely,

Dawn M. McKay Environmental Analyst 3



EROSION & SEDIMENTATION CONTROL NOTES:

- 1. EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS, OR AS DIRECTED BY THE TOWN PRIOR TO CONSTRUCTION.
- 2. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", DATED 2002, AS AMENDED AND THE TOWN REGULATIONS.
- 3. ALL EROSION CONTROL DEVICES SHALL BE MAINTAINED OR REPLACED BY THE CONTRACTOR DURING THE CONSTRUCTION PERIOD AS NECESSARY OR AS REQUIRED BY THE ENGINEER OR TOWN.
- 4. ALL ON-SITE EROSION AND SEDIMENT CONTROLS ARE REQUIRED TO BE INSPECTED WITHIN 24-HOURS AFTER A RAIN EVENT OF AT LEAST A HALF-INCH, AND MAINTAINED,
- REPLACED OR INCREASED AS REQUIRED BY SPECIFIC FIELD CONDITIONS.5. SEDIMENT REMOVED FROM ANY CONTROL STRUCTURES SHALL BE DISPOSED OF IN A
- MANNER WHICH IS CONSISTENT WITH THE INTENT OF THE PLAN.
 ADDITIONAL EROSION CONTROL MEASURES WILL BE INSTALLED DURING THE CONSTRUCTION PERIOD IF DEEMED NECESSARY OR REQUIRED BY THE ENGINEER
- OR TOWN. 7. THE CONTRACTOR WILL BE RESPONSIBLE FOR IMPLEMENTING ALL EROSION AND SEDIMENTATION
- CONTROL DEVICES AS SHOWN ON THESE PLANS OR AS ORDERED BY THE ENGINEER.8. ALL DISTURBED AREAS ARE TO BE RAKED, SEEDED AND FERTILIZED PER "TURF"
- ESTABLISHMENT" SPECIFICATION IN CTDOT 817A, AT THE COMPLETION OF PROJECT.9. AREAS OUTSIDE OF PAVED AREAS, WALKS, AND BUILDINGS ARE TO RECEIVE A MINIMUM 4" OF TOPSOIL.
- 10. THE FOLLOWING DATES FOR SEEDING SHALL BE USED: SPRING: APRIL 15 TO JUNE 15 FALL: AUGUST 15 TO SEPTEMBER 15
- 11. THE FOLLOWING GRASS SEED MIXTURES SHALL BE APPLIED AT A RATE NO LESS THAN 100 LBS. PER ACRE:

SPECIES	PROPORTION BY WEIGHT (POUNDS)	MINIMUM PURITY (PERCENT)	MINIMUM GERMINATION (PERCENT)
VELVET BENTGRASS, (AGROSTIS CANINA)	25	96	85
RED FESCUE (FESTUCA RUBRA L. SSP. RUBRA)	35	97	80
PARTRIDGE PEA (CHAMAECRISTA FASCICULATA)	10	95	90
INDIAN GRASS (SORGHASTRUM NUTANS)	15	95	90
CANADA WILDRYE (ELYMUS CANADENSIS)	5	95	90
KENTUCKY BLUE GRASS (POA PRATENSIS)	10	95	90

13. TEMPORARY GRASS SEEDING, IF NECESSARY, SHALL BE PERENNIAL RYE GRASS (LOLIUM PERENNE) APPLIED AT A RATE OF 100 LBS. PER ACRE.

EROSION & SEDIMENTATION CONTROL PLAN:

- 1. ALL EROSION AND CONTROL MEASURES WILL BE INSTALLED AT THE PROJECT SITE PRIOR TO CONSTRUCTION WHEREEVER POSSIBLE.
- AN ANTI-TRACKING APRON WILL BE INSTALLED AT THE ENTRANCE TO THE CONSTRUCTION SITE IN ORDER TO PREVENT THE TRANSPORT OF SEDIMENTS OFF THE CONSTRUCTION
- SITE BY TRUCK AND CONSTRUCTION EQUIPMENT TRAFFIC. 3. AN EROSION CONTROL SYSTEM SHALL BE INSTALLED AROUND ALL ON-SITE STOCKPILES
- OF SOIL.4. DUST CONTROL MEASURES SHALL BE APPLIED THROUGHOUT THE CONSTRUCTION PERIOD
- AND UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED.
- 5. DUST CONTROL MEASURES WILL BE APPLIED DURING THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED, AS REQUIRED BY FIELD CONDITIONS.
- 6. TEMPORARY SEDIMENT TRAPS WILL BE INSTALLED AS NECESSARY DURING CONSTRUCTION ACTIVITIES. ALL TEMPORARY STORMWATER DISCHARGE WILL BE DIRECTED TO THESE TRAPS.

	CONSTRUCTION SEQUENCE
1.	INSTALL CONSTRUCTION ENTRANCES WITHIN DRIVEWAY AREA AS SHOWN AND INSTALL EROSION & SEDIMENT CONTROL MEASURES AS INDICATED. SEE DETAILS.
2.	ALL CONSTRUCTION WORK SHALL BE IN ACCORDANCE WITH THE ATTACHED NDDB PROTECTION RECOMMENDATIONS.
3.	CLEAR AND GRUB ALL TREES, SHRUBS, AND BRUSH WITHIN CONSTRUCTION LIMITS. ALL EXCESS AND UNSUITABLE MATERIALS ARE TO BE REMOVED FROM THE SITE. ON-SITE BURIAL OF TREE TRUNKS, STUMPS, OR BRUSH IS NOT PERMITTED.
4.	STRIP TOPSOIL, STOCKPILE AND STABILIZE WITH SILT FENCE AND/OR HAY BALES.
5.	EXCAVATE FOR FOOTINGS AND FOUNDATION WALLS, AND INSTALL.
6.	EXCAVATE FOR FOOTING DRAIN AND/OR GROUNDWATER CONTROL/INTERCEPTING DRAIN, AND INSTALL.
7.	BACKFILL TRENCHES AND FOUNDATION WALLS.
8.	INSTALL SUBSURFACE SEWAGE DISPOSAL SYSTEM.
9.	INSTALL DOMESTIC WATER WELL AND WATERLINE TO FOUNDATION.
10.	INSTALL REMAINING UNDERGROUND UTILITIES, ROUGH GRADE YARD, AND INSTALL DRIVEWAY AND WATER QUALITY BASIN.
11.	IN AREAS OF CONSTRUCTION DISTURBANCE, SPREAD TOPSOIL, SEED, AND MULCH WITH HAY OR STRAW.
12.	MAINTAIN ALL SEDIMENT AND EROSION CONTROL MEASURES THROUGHOUT PROJECT DURATION UNTIL VEGETATION ESTABLISHED.
13.	AFTER REMOVAL OF EROSION CONTROLS, RESTORE WITH THE INSTALLATION OF PLANTINGS AND BOULDERS.

FOR PERMIT ONLY NOT RELEASED FOR CONSTRUCTION

Barton & Ogui	41 Sequin Drive Glastonbury, CT 06033 Phone: (860) 633-8770 Fax: (860) 633-5971 www.bandlct.com					
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