

CONSERVATION COMMISSION LEGEND	
	EDGE OF BORDERING VEGETATED WETLAND
	EDGE OF 100' BUFFER ZONE
	EROSION CONTROLS - SILTATION FENCE & STRAW WATTLES
	LIMIT OF WORK

TEST HOLE 263		TEST HOLE 264	
0"	A 10YR 3/2 417.6	0"	A 10YR 3/2 416.8
6"	FINE SANDY LOAM 417.1	8"	FINE SANDY LOAM 416.1
	Bw 10YR 4/6 SANDY LOAM		Bw 10YR 4/6 SANDY LOAM
30"	MOTTLES 415.1	32"	MOTTLES 414.1
	C 5Y 6/1		C 5Y 6/1
120"	LOAMY SAND 407.6	96"	LOAMY SAND 408.8
	REFUSAL PERC - 6 M.P.I.		REFUSAL PERC - 5 M.P.I.

Soil Evaluator - STEVEN DONATELLI
 Witness - LENNY IZZO
 Date of Test - SEPT. 20, 2016
 Perc Rate - 6 M.P.I.
 Design G.W. - ELEV.=420.0
 Mottling - @30"
 Refusal - 96" (TH#264)

CONSTRUCTION NOTES

- ALL TOPSOIL AND SUBSOIL OR ANY OTHER IMPERVIOUS MATERIAL BELOW THE TOP OF THE PEASTONE AND FOR A DISTANCE OF 5' IN ALL DIRECTIONS FROM THE LEACHING FACILITY TO BE REMOVED AND REPLACED WITH CLEAN GRANULAR SAND & GRAVEL.
- THE FOLLOWING INSPECTIONS IF CHECKED ARE REQUIRED BY THE BOARD OF HEALTH.
- 1. After Excavation
 - 2. After Pipe And Stone Placement
 - 3. After Final Grading 24 hr. Notice Required

DESIGN	CRITERIA
	Total Daily Flow
	4 Bdrms x 110 Gal/Bdrm/Day = 440 Gal/Day
	No. of Leach Trenches 2 Length 52.4' Width 3'
	Depth Below Inlet 6.1"
	Effective Leaching Area is equal to 6.7 S.F. times Total Linear Feet. 104.8 L.F. x 6.7 S.F. = 702 S.F. Effective Leaching Area
	702 S.F. x 0.70 = 491 Gal/Day Total Leaching Area gpd/Sq.Ft. Total Leaching Capacity
	* GARBAGE GRINDERS NOT ALLOWED

APPLICANT

SYLVAN SPRINGS REALTY TRUST
 148 PARK ST
 NORTH READING, MA.
 SITE
 LOT 60 / HSE.#12
 LOCUST HILL DRIVE
 MENDON, MA.

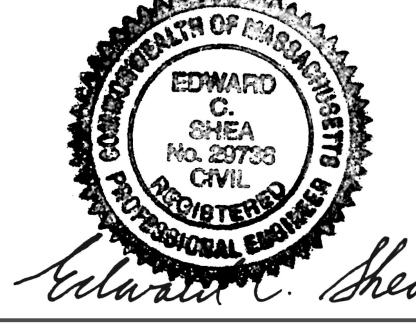
LEGEND	
	EXISTING CONTOUR
	PROPOSED CONTOUR
	EXISTING SPOT ELEVATION
	PROPOSED SPOT ELEV.
	DEEP HOLE
	PERC HOLE
	BENCH MARKS : USGS DATUM
	SPIKE IN 14" ASH / SPIKE IN 8" OAK
	ELEV.=406.88 / ELEV.=421.40

~ IA SYSTEM ~
SEWAGE DISPOSAL PLAN
 IN
MENDON, MA

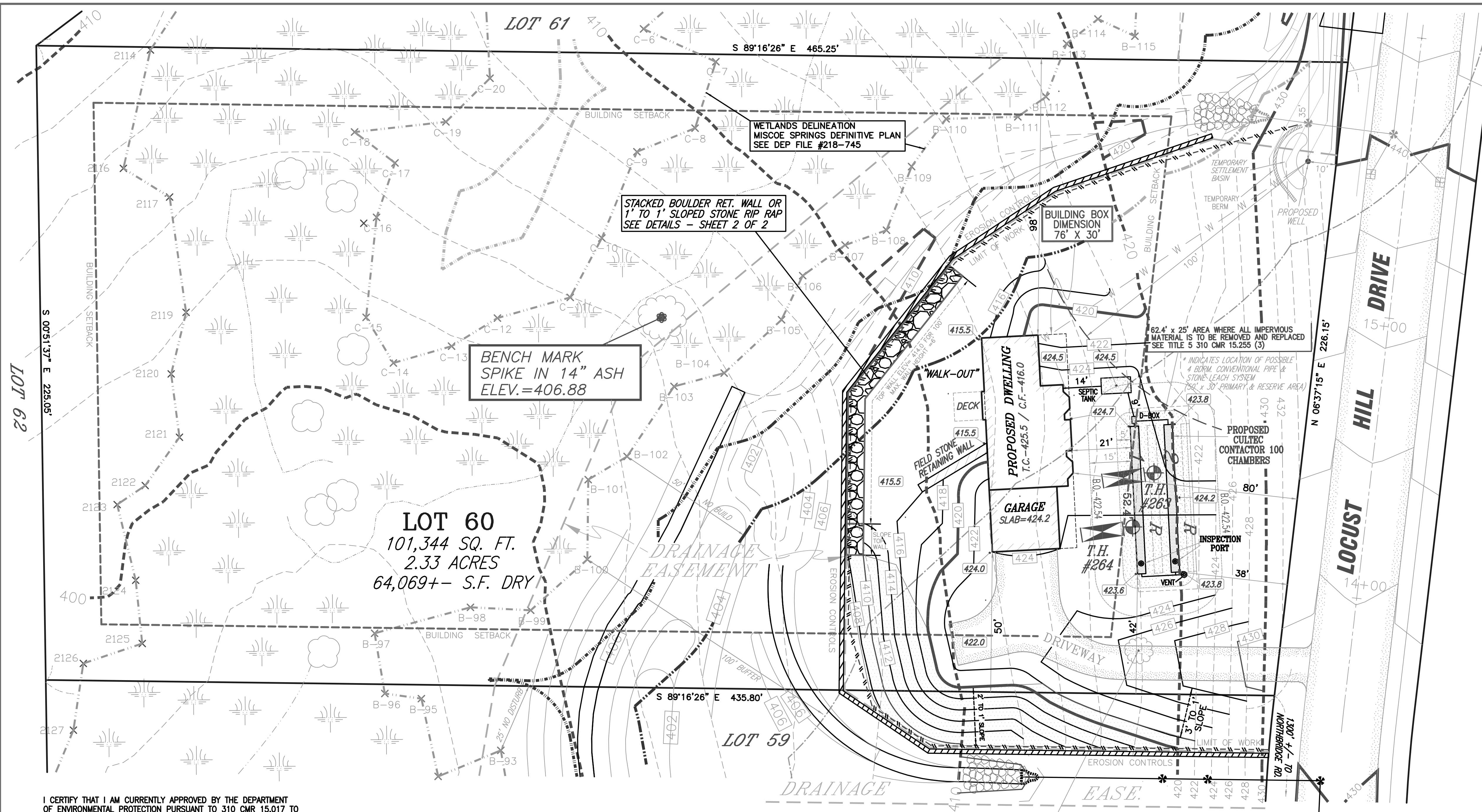
SCALE 1" = 20' JUNE 23, 2020

I CERTIFY THAT THE SEWAGE DISPOSAL FACILITY IS DESIGNED IN ACCORDANCE WITH TITLE 5 OF THE STATE ENVIRONMENTAL CODE AND THE REGULATIONS OF THE MENDON BOARD OF HEALTH.
 NOTE: THIS PLAN WAS MADE FROM A TAPED SURVEY AND NOT FROM AN INSTRUMENT PROPERTY LINE SURVEY AND IS DRAWN FOR SEWAGE DISPOSAL PURPOSES ONLY AND NOT FOR PROPERTY LINE DETERMINATION.

APPROVED
 DISAPPROVED
 DATE
 SIGNED



Shea ENGINEERING & SURVEYING INC.
 76 UXBRIDGE ROAD MENDON, MA. 01756
 TEL (508) 473-1163



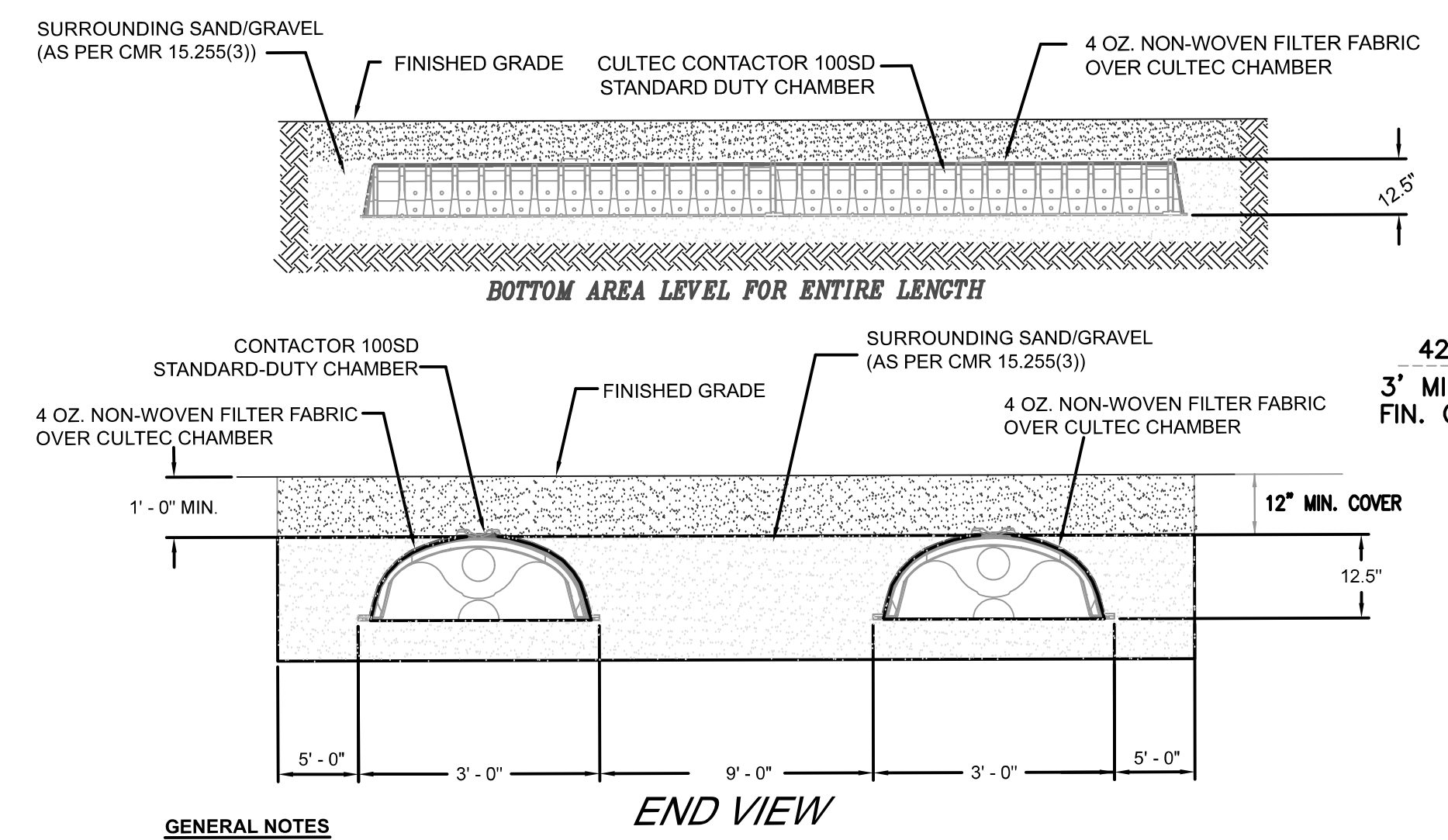
I CERTIFY THAT I AM CURRENTLY APPROVED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION PURSUANT TO 310 CMR 15.017 TO CONDUCT SOIL EVALUATIONS AND THAT THE ABOVE ANALYSIS HAS BEEN PERFORMED BY ME CONSISTENT WITH THE REQUIRED TRAINING, EXPERTISE, AND EXPERIENCE DESCRIBED IN 310 CMR 15.017. I FURTHER CERTIFY I CERTIFY THAT THE RESULTS OF MY SOIL EVALUATION, AS INDICATED ON THE ATTACHED SOIL EVALUATION FORM, ARE ACCURATE AND IN ACCORDANCE WITH 310CMR 15.100 THROUGH 15.107.

SIGNATURE _____ DATE _____

- NOTES:**
- ANY UNDERGROUND UTILITIES TO BE ACCURATELY LOCATED PRIOR TO CONSTRUCTION BY CONTRACTOR
 - THERE ARE NO OTHER KNOWN WELLS WITHIN 200' OF THE PROPOSED SEWAGE DISPOSAL SYSTEM.
 - THERE ARE NO KNOWN SEWAGE DISPOSAL SYSTEMS WITHIN 100' OF THE PROPOSED WELL.
 - AN AS-BUILT PLAN WILL BE REQUIRED
 - * IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT DIG SAFE AND LOCATE ALL UTILITIES BEFORE EXCAVATION. 1 800 DIG-SAFE

ZONING - RESIDENTIAL

SETBACKS
 FRONT - 85' FROM CENTERLINE
 SIDE - 20'
 REAR - 20'

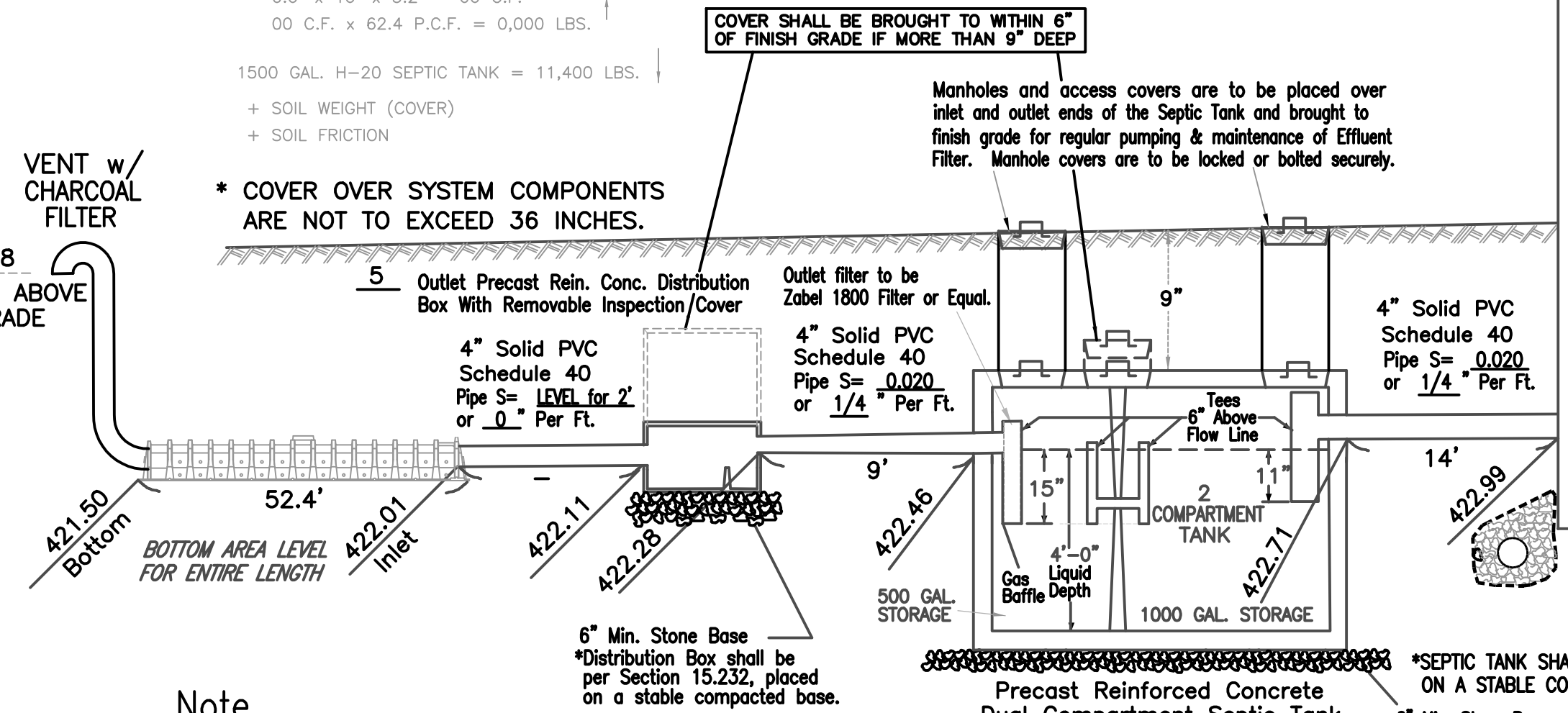


GENERAL NOTES
 CONTACTOR 100SD BY CULTEC, INC. OF BROOKFIELD, CT. STORAGE PROVIDED = 3.90 CF/FT PER DESIGN UNIT. REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.
 ALL CONTACTOR 100 CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

BUOYANCY CALCULATIONS

BOTTOM SETIC TANK ABOVE HIGH GROUND WATER
 BUOYANCY - 1500 GAL. SEPTIC TANK
 0.0' x 10' x 5.2' = 00 C.F.
 00 C.F. x 62.4 P.C.F. = 0,000 LBS.
 1500 GAL. H-20 SEPTIC TANK = 11,400 LBS.
 + SOIL WEIGHT (COVER)
 + SOIL FRICTION

* COVER OVER SYSTEM COMPONENTS ARE NOT TO EXCEED 36 INCHES.



Note
 If conditions encountered during construction vary substantially from those shown on this plan, notify SHEA ENGINEERING before proceeding with construction.

Top of Concrete 425.5

Cellar Floor 416.0