GENERAL NOTES:

1. This plan is to depict drainage measures for proposed work on property.

2. Building footprint is based off drawings obtained from the owner, original land surveyor and/or another professional. Contractor should refer to architectural drawings for exact building dimensions and actual locations of utility entrances.

3. If there are any variations on this map with what is found or desired in the field, the contractor shall contact and notify the site engineer immediately prior to commencing the related work to determine the correct course of action.

4. HK Associates makes no guarantee with this plan unless HK Associates inspects all aspects of construction.

5. HK Associates takes no responsibility for the accuracy of the property lines shown on this map.

6. Property lines, building location, topography and proposed garage taken from "Proposed Improvement Plan, Prepared for Thomas J. Moody Jr. & Margaret M. Carey. 6 Arrow Head Road, Westport, Connecticut. Scale: 1" = 20'. Dated: Sept. 15, 2015, Last Revised: May 12, 2020. Prepared by Leonard Surveyors, LLC."

7. Prior to any construction, elevations to be verified on site by a Licensed Land Surveyor in the State of Connecticut.

SOIL DESCRIPTION OBSERVATION PITS
TEST DATE: 09-01-2020

TEST PIT # 101	
0-4"	TOPSOIL
4-15"	BROWN M-C SAND SO F-SAND LI SMALL STONES LI SILT
15-20"	GREY M-C SAND SO F-SAND LI SILT
20-36"	BROWN M-C SAND LI GRAVEL LI SILT
36-72"	GREY F-M SAND & SILT NL, W @ 60", M @ 36"

TEST PIT # 102	
0-8"	TOPSOIL
8-30"	LIGHT BROWN F-M SAND & SILT
26-84"	GREY F-M SAND & SILT MOTTLED & COMP. NL, NW, M @ 30"

PERCULATION TEST RESULTS
TEST DATE: 09-01-2020

PERC. #101 @ 18" PRESOAK @ 11:00		
TIME	READING	DROP
12:00	7 1/4"	N/A
12:10	8 3/4"	1 1/2"
12:20	9 5/8"	7/8"
12:30	10 3/8"	5/8"
12:40	11"	5/8"
12:50	11 5/8"	5/8"
1:00	12 1/4"	5/8"
1" IN 16.0 MIN.		

PERC. #102 @ 18" PRESOAK @ 11:18		
TIME	READING	DROP
12:18	7 1/4"	N/A
12:28	8 1/8"	7/8"
12:38	8 1/2"	3/8"
12:48	8 7/8"	3/8"
12:58	9 1/4"	3/8"
1:08	9 5/8"	3/8"
1:18	10"	3/8"
1" IN 26.7 MIN.		

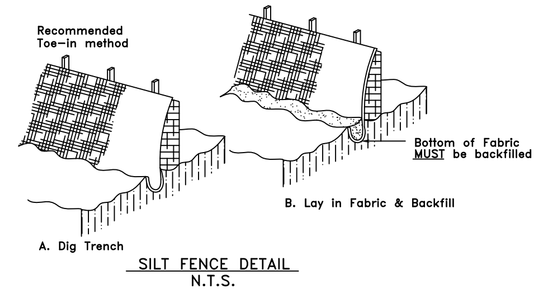
MLSS

HF = 30
FF = 1.75 (4 BEDROOM)
PF = 1.25
MLSS = 20 x 1.5 x 1.2 = 66 FEET

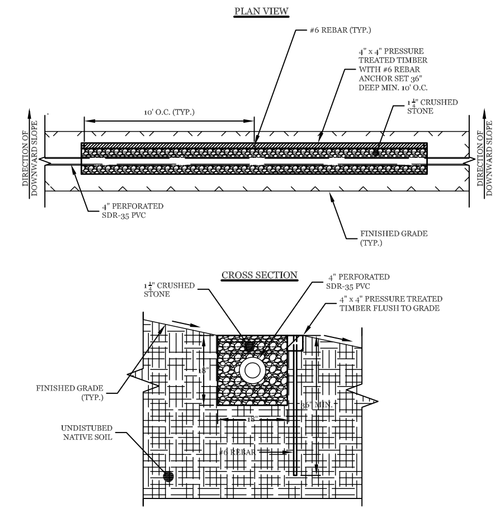
B-100 DESIGN

40 LF OF MANTIC DOUBLE WIDE 100 PROVIDED
40 LF / 66 LF = 60% OF REQUIRED AREA PROVIDED

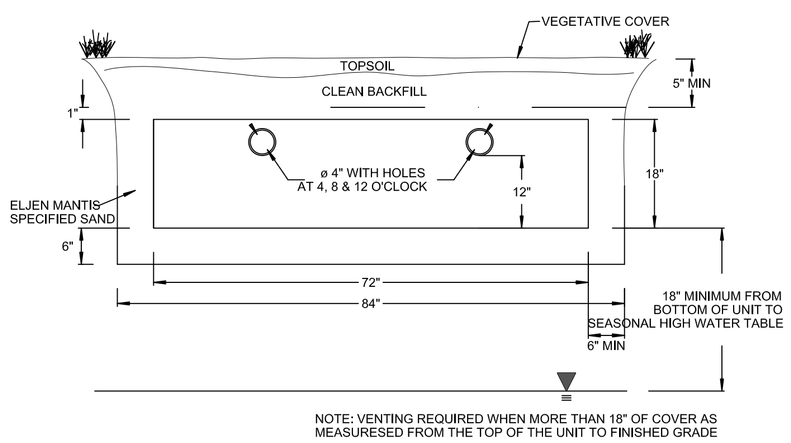
SF ELA REQUIRED = 787.5
SF ELA PROVIDED = 800.0



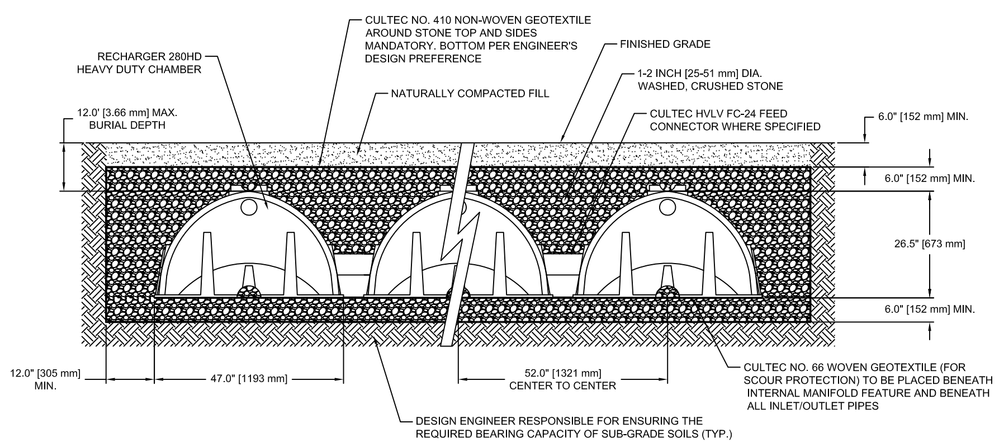
SILT FENCE DETAIL
N.T.S.



LEVEL SPREADER DETAIL



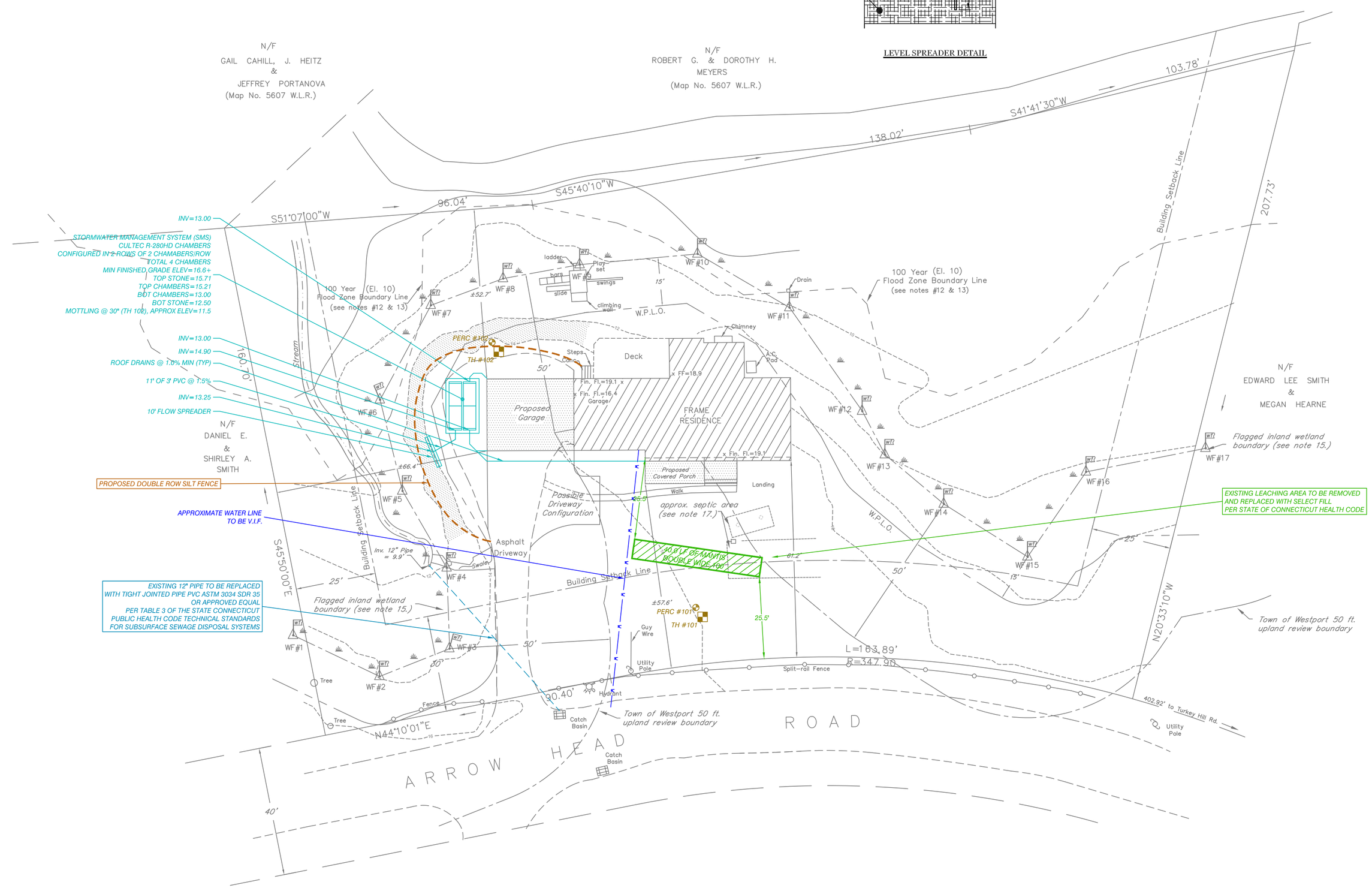
ELJEN MANTIS DOUBLE WIDE 100 DETAIL
N.T.S.



GENERAL NOTES
RECHARGER 280HD BY CULTEC, INC. OF BROOKFIELD, CT.
STORAGE PROVIDED = 9.21 CF/FT [1.83 m/m] PER DESIGN UNIT.
REFER TO CULTEC, INC.'S CURRENT RECOMMENDED INSTALLATION GUIDELINES.
MAXIMUM ALLOWED COVER OVER TOP OF UNIT SHALL BE 12' (3.65 m)
THE CHAMBER WILL BE DESIGNED TO WITHSTAND TRAFFIC LOADS WHEN INSTALLED ACCORDING TO CULTEC'S RECOMMENDED INSTALLATION INSTRUCTIONS.

ALL RECHARGER 280HD HEAVY DUTY UNITS ARE MARKED WITH A COLOR STRIPE FORMED INTO THE PART ALONG THE LENGTH OF THE CHAMBER.
ALL RECHARGER 280HD CHAMBERS MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

CULTEC R-280HD DETAIL
N.T.S.



H.K. ASSOCIATES PROFESSIONAL ENGINEER 20 TOPAZ LANE TRUMBULL, CONNECTICUT 06611 TEL. (203) 459-2471 FAX. (203) 459-2471 DWG: 20317	TITLE BLOCK ASSESSORS MAP # H06 , PARCEL # 20 ZONE: AAA APPLICANT: SAME AS OWNER DESCRIPTIVE TITLE: B-100 SEPTIC PLAN To the best of my knowledge and belief this map is substantially correct as noted hereon HEM KHONA PE 9947	DATE: DESCRIPTION REVISIONS

DRAINAGE DESIGN
PREPARED FOR
THOMAS MOODY & MARGARET CAREY
6 ARROW HEAD ROAD, WESTPORT, CONNECTICUT
20 0 20 40
SCALE: 1"= 20'
DATE: SEPT. 21, 2020

Y:\DWGS\2020\20316-6-ARROWHEAD-ROAD-WESTPORT\EMAIL-DRAINAGE-6-ARROWHEAD-ROAD-WESTPORT.dwg, 9/21/2020 6:12:46 PM, 1:20