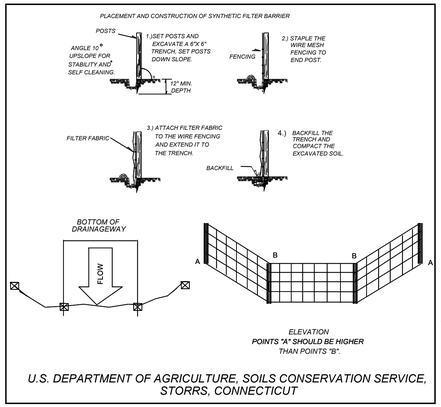
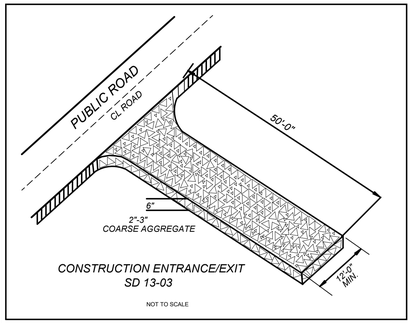


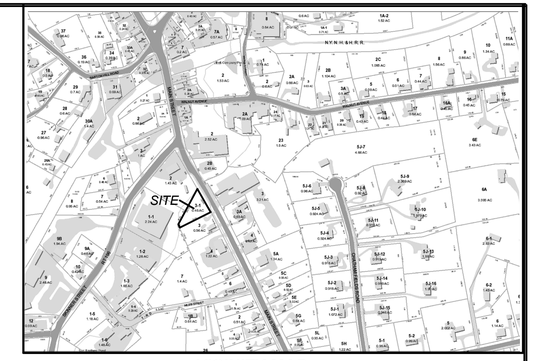
U.S. DEPARTMENT OF AGRICULTURE, SOILS CONSERVATION SERVICE, STORRS, CONNECTICUT



CONSTRUCTION ENTRANCE/EXIT
SD 13-03

NOT TO SCALE

UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPLIED, IN PART FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM PAROL TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE. THE EXISTENCE OF WHICH ARE UNKNOWN TO..JOEL M. FULLER L.S.. THE SIZE, LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.



VICINITY MAP

VC-ZONE

SEQUENCE OF ACTIVITY - HOUSE LOT DEVELOPMENT

1. LIMIT OF DISTURBANCE. Upon approval of individual site plan development, the limits of development shall be established in the field for each proposed structure. Disturbance limits shall be AS-SHOWN and shall be bounded by staked haybales, silt fence or wood chips.

2. TREES CLEARED Trees shall be cleared and cut to length and stacked or removed from the site.

3. EROSION CONTROLS. Disturbed area shall be bounded by staked haybales or silte fence. All erosion controls, including silt fence and antitrackingpad, shall be installed and inspected by the Land Use Planner/ZEO and Wetlands Agent PRIOR TO STUMPS BEING PULLED, GRUBBING, OR EXCAVATION. The Planner/ZEO and Wetlands Agent may modify the erosion control requirements based on field conditions so as to adequately control erosion and siltation from the site.

4. DRIVEWAYS. All driveway and driveway shoulders shall be stripped, graded as shown on plan, and graveled. All driveway shoulders shall be stabilized immediately upon grading, either by diverting runoff, mulching, or seeding and mulching (depending on the season).

5. TOPSOIL. All topsoil shall be stripped and saved in an area as shown on the plan or as approved by the Planner and Wetlands Agent. Topsoil shall not be removed from the site except as in compliance with the Zoning Regulations.

6. CONSTRUCTION AND DISTURBED AREA. Excavation and construction shall commence following inspection and approval of erosion controls and construction of the driveway. The disturbed area shall be graded so as to contain runoff within the lot to the greatest extent possible.

7. SITES IN WINTER. When a site will be open during the winter months, rough grading and 4-6 inch mulching must occur prior to construction in order to minimize erosion and uncontrolled runoff during the winter months.

8. DRAINS. Foundation and curtain drains shall be installed as shown on the approved plan. ANY CHANGES TO THE LOCATION OF THE DRAINS OR THE ADDITION OF ANY DRAINS SHALL BE APPROVED BY THE PLANNER AND WETLANDS AGENT PRIOR TO INSTALLATION.

9. COMPLETE SITE WORK. Finish grading shall occur as soon as possible on all lots where there is potential for erosion and for degradation of wetlands and watercourses. Lots shall be finish graded, seeded with perennial grasses suitable for the respective amount of sun or shade and mulched prior to Certificate of Zoning Compliance.

10. FINAL STABILIZATION. EROSION CONTROLS SHALL BE MAINTAINED ON THE LOT AS LONG AS THEY ARE NEEDED TO CONTROL EROSION AND SEDIMENTATION.

SOILS EROSION NARRATIVE

SITE DESCRIPTION

THE SITE IS LOCATED ON THE SOUTHERLY SIDE OF MAIN STREET ROAD. THE SITE IS MOSTLY LIGHT WOODS (OPEN IN FRONT) WITH A FEW OLDER TREES. THE LOT HAS AREAS WITH SLOPES THAT VARY FROM 2 TO 20 PERCENT. THERE ARE SOME FLATTER AND STEEPER AREAS. THE WETLAND AREAS HAVE BEEN MAPPED AND ARE SHOWN ON THE PLANS.

PROJECT DESCRIPTION

THE PROJECT WILL INCLUDE 1 NEW RESIDENTAIL DUPLEX (RAISED RANCH) , AND THE CONSTRUCTION OF PARKING AREA AND DRIVE. THE ROOF WATER WILL BE DIRECTED 3 RECHARGE UNITS.

EROSION AND SEDIMENTATION CONTROL PLAN MEASURES.

A. IDENTIFICATION OF POTENTIAL PROBLEMS.

1. WIND EROSION, BECAUSE THE SITE WILL BE EXPOSED, WIND EROSION ON THE SITE DURING CONSTRUCTION IS A POTETIAL PROBLEM. THE CONTRACTOR SHOULD BE PREPARED TO MITIGATE THE EFFECTS OF WIND EROSION BY USE OF WATER TRUCKS, MULCHING AND/OR TEMPORARY SEEDING.

B. TRACKING

1. DUE TO THE FACT THE PROPOSED CONSTRUCTION IS ACCESSED VIA AN EXISTING COMMERCIAL AREA OVER PAVED ROADS, TRACKING OF MUD AND SOIL ONTO THE ADJACENT ROADWAYS (AND ENTERING THE EXISTING STORM DRAINS) IS A POSSIBILITY. THE CONTRACTOR SHOULD BE PREPARED TO MAINTAIN AND UTILIZE THE ANTI TRACKING PADS AT THE CONSTRUCTION ENTRANCE.

C. WATER EROSION

1. ALTHOUGH THE CONSTRUCTION AREA HAS A LIMITED WATERSHED AREA, WATER EROSION STILL PROVIDES THE GREATEST POTENTIAL FOR EROSION AND SEDIMENTATION CONTROL PROBLEMS. THE FOLLOWING KEY ELEMENTS SHOULD GREATLY MITIGATE THE POTENTIAL PROBLEMS.

1. CONSTRUCTION EFFICIENCY

THE POTENTIAL FOR SEVERE EROSION AND SEDIMENTATION DURING CONSTRUCTION CAN BE GREATLY REDUCED BY EFFICIENT AND TIMELY CONSTRUCTION THEREBY REDUCING THE TIME IN WHICH DISTURBED AREAS ARE SUBJECT TO WIND AND/OR WATER EROSION.

THE KEY TO EFFICIENT CONSTRUCTION IS A WELL PLANNED CONSTRUCTION SEQUENCE.

2. TIMING OF CONSTRUCTION

EROSION AND SEDIMENTATION POTENTIAL CAN BE REDUCED BY TIMING CONSTRUCTION WITH PERIODS OF DRY WEATHER AND FINAL STABILIZATION WITH PRIME SEEDING DATES.

3. PROPER INSTALLATION

EROSION AND SEDIMENTATION CONTROLS THAT ARE NOT INSTALLED PROPERLY ONLY INVITE PROBLEMS. THE CONTRACTOR SHOULD BE FAMILIAR WITH PROPER INSTALLATION AND MAINTENANCE PROCEDURES OF EROSION AND SEDIMENTATION CONTROL DEVICES AS OUTLINED IN THE CONNECTICUT GUIDELINES FOR SOIL AND SEDIMENT CONTROL, DATED 2002.

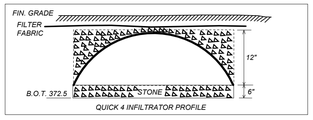
4. PREPAREDNESS

THE CONTRACTOR SHOULD BE PREPARED FOR EROSION AND SEDIMENTATION CONTROL EMERGENCIES BY KEEPING ON SITE A STOCK OF EROSION AND SEDIMENTATION CONTROL TOOLS AND SUPPLIES SUCH AS FENCE, STONE, HAY BALES, STAKES, ETC. IN ADDITION, PROPER MAINTENANCE OF CONTROLS GREATLY REDUCES THE POTENTIAL FOR EROSION AND SEDIMENTATION CONTROL DISASTERS.

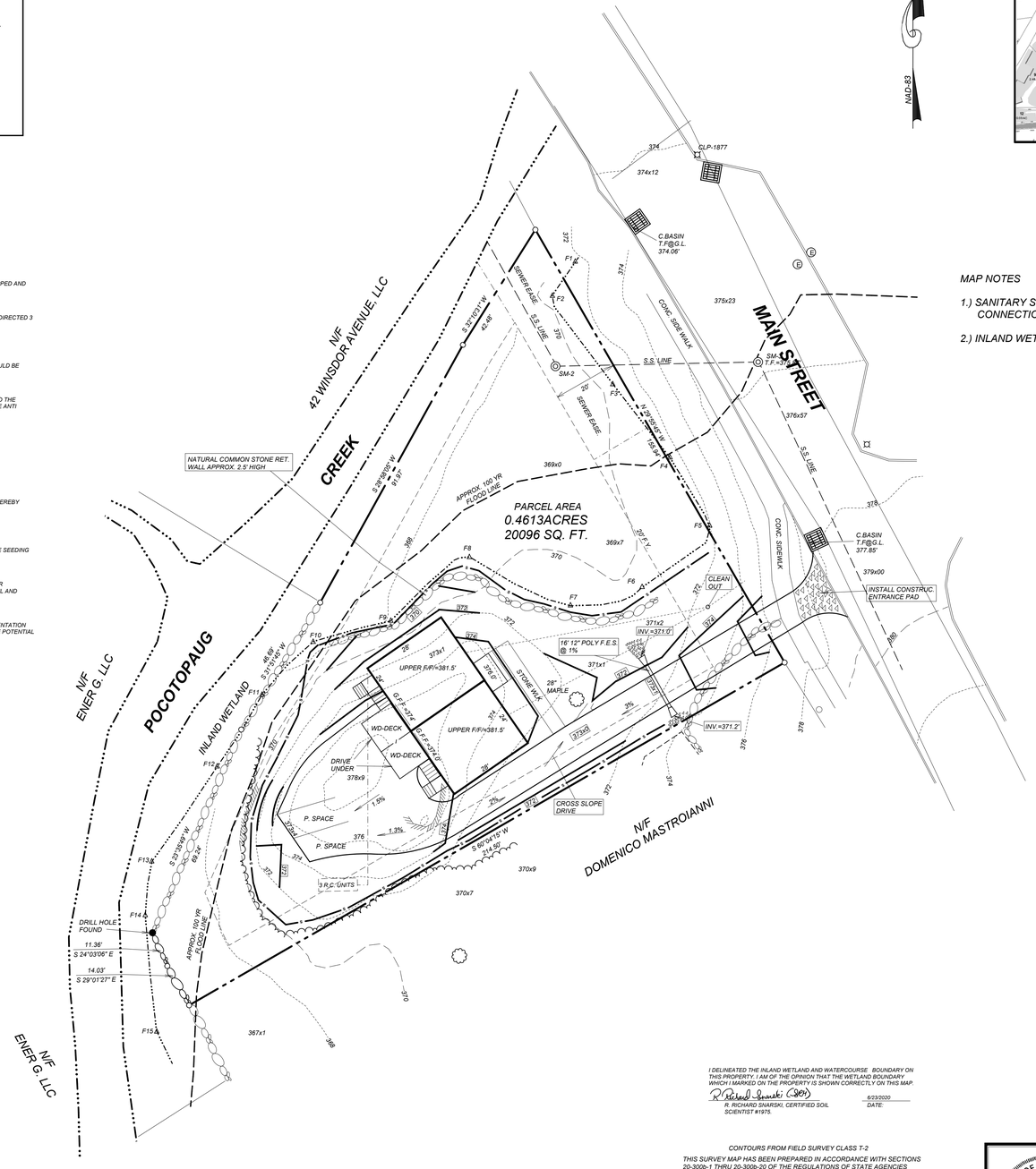
ROOF WATER INFILTRATOR UNIT

INFILTRATOR SIZE FORMULA 1" CAPTURE

1500 SQ. FT. ROOF AREA X 0.083 (1") =124.5 X 80% =99.6
99.6 BY 47 GALLONS PER/UNIT =2.1
USE 3 UNITS



QUICK 4 INFILTRATOR PROFILE



MAP NOTES

1.) SANITARY SEWER HOOK UP AT STREET WILL BEIN CONJUNTION WITH WPCA AS FAR AS FINAL CONNECTION AND ELEVATION.

2.) INLAND WETLAND ON SITE= 7162 SQ. FT. OR 0.1644 ACRES.

LEGEND		
SPOT ELEV.		LOT LINE
UTILITY POLE		STONE WALL
ANCHOR		BUILDING LINE
WELL		DRAIN PIPE
CONIFER TREE		TREE LINE
HARDWOOD TREE		2' CONTOUR
LIGHT		10' CONTOUR
ELEC. BOX		LEDGE
MON. FOUND		WIRE FENCE
IRON PIPE FOUND		BLDG. EVES
SPIKE BENCHMARK		EDGE WETLANDS
TEST PIT	F.Y.	FRONT YARD
SEWER MANHOLE	S.Y.	SIDE YARD
SIGN LOCATION	R.Y.	REAR YARD

I DELINEATED THE INLAND WETLAND AND WATERCOURSE BOUNDARY ON THIS PROPERTY. I AM OF THE OPINION THAT THE WETLAND BOUNDARY WHICH I MARKED ON THE PROPERTY IS SHOWN CORRECTLY ON THIS MAP.

R. RICHARD SNARSKI, CERTIFIED SOIL SCIENTIST #1975. *6/23/2020 DATE:*

CONTOURS FROM FIELD SURVEY CLASS T-2

THIS SURVEY MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF STATE AGENCIES. "MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONN." AS ENDORSED BY THE CONN. ASSOC. OF LAND SURVEYORS, INC. IT IS A IMPROVEMENT LOCATION SURVEY BASED ON A DEPENDENT RESURVEY CONFORMING TO CLASS A-2 STANDARDS.

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

JOEL M. FULLER CT. L.S. NO. 14197

SITE IMPROVEMENT PLAN
PROPOSED
#106 MAIN STREET
EAST HAMPTON, CONNECTICUT

PREPARED FOR
MARINO CONSTRUCTION, LLC

SCALE: 1"=20' - DATE 6/25/2020

EAST HAMPTON INLAND WETLAND COMMISSION, EAST HAMPTON, CONNECTICUT

DATE OF APPROVAL _____ *DATE OF EXPIRATION* _____

_____ ***CHAIRMAN***

_____ ***SECRETARY***

20 0 20 40 60 80

STATE OF CONNECTICUT JOEL M. FULLER No. 14197 LICENSED LAND SURVEYOR

JOEL M. FULLER

191 JONES HOLLOW ROAD MARLBOROUGH, CONN. 06447

LICENSED LAND SURVEYOR 860-670-1800