

- LEGEND**
- 04 — = EXISTING CONTOUR
 - 05 — = PROPOSED CONTOUR
 - WF 1 WF 2 WF 3 WF 4 = FLAGGED BVW
 - — — = EXISTING TREE LINE
 - — — = PROPOSED 12" MULCH FILTER TUBE
 - — — = LIMIT OF WORK FENCE
 - TH = SOIL TESTING AREA
 - (97x8) = PROPOSED SPOT ELEVATION

EXISTING YARD DRAIN
 THERE IS AN EXISTING SHALLOW BASIN IN THE WEST DRIVEWAY, PLACED BY THE APPLICANT AS A WAY TO HANDLE WATER RUNOFF FROM THE ROADS THAT DOES NOT ENTER THE EXISTING ROADWAY DRAINAGE SYSTEM.

THE SHALLOW BASIN RUNS OUT THROUGH A 4" PVC PIPE WESTERLY TO THE TREELINE AND THEN DISCHARGES INTO A ONE FOOT WIDE TRENCH. THE EXISTING PVC PIPE IS TO BE REMOVED AND THE TRENCH IS TO BE ABANDONED.

A PROPOSED 4" PVC PIPE IS TO BE CONNECTED FROM THE EXISTING SHALLOW BASIN IN THE DRIVEWAY TO A PROPOSED MINI DRYWELL.

PROPOSED DRYWELL IS 3'-5" DEEP AND 3'-6" IN DIAMETER WITH 1' OF CRUSHED STONE TO BE PLACED AROUND THE OUTSIDE PERIMETER OF THE BASIN. PLACE FILTER FABRIC OVER THE TOP AND SIDES OF THE DRYWELL AND CRUSHED STONE.

REMOVE EXISTING LAWN AND MATERIAL NEEDED TO PLACE DRYWELL IN THE GROUND AT PROPOSED GRADE.

REMOVED MATERIAL IS TO BE PLACED IN EXISTING DRIVEWAY UNTIL NEEDED OR IS TO BE REMOVED FROM THE SITE IF IT WILL NOT BE REUSED.

COVER STOCKPILED MATERIAL WITH TARPS TO AVOID RUNOFF INTO OTHER AREAS ONCE DRYWELL IS INSTALLED AND THE 4" PVC PIPE IS IN PLACE BACKFILL AREA AND RESEED FOR LAWN.

EXISTING GRADE IN THE AREA IS TO BE MAINTAINED.

PRIOR TO ANY WORK

- REVIEW APPROVED PLANS AND ORDER OF CONDITIONS, IF APPLICABLE, WITH CONSTRUCTION SUPERVISOR.
- PLACE EROSION CONTROLS AND LIMIT-OF-WORK FENCE. ONCE DONE, CALL ENGINEER FOR INSPECTION AND APPROVAL.
- PLACE DEP SIGN AND ENSURE THAT THE ORDERS, IF ANY, ARE RECORDED AND BOND IS ESTABLISHED BEFORE WORK BEGINS.

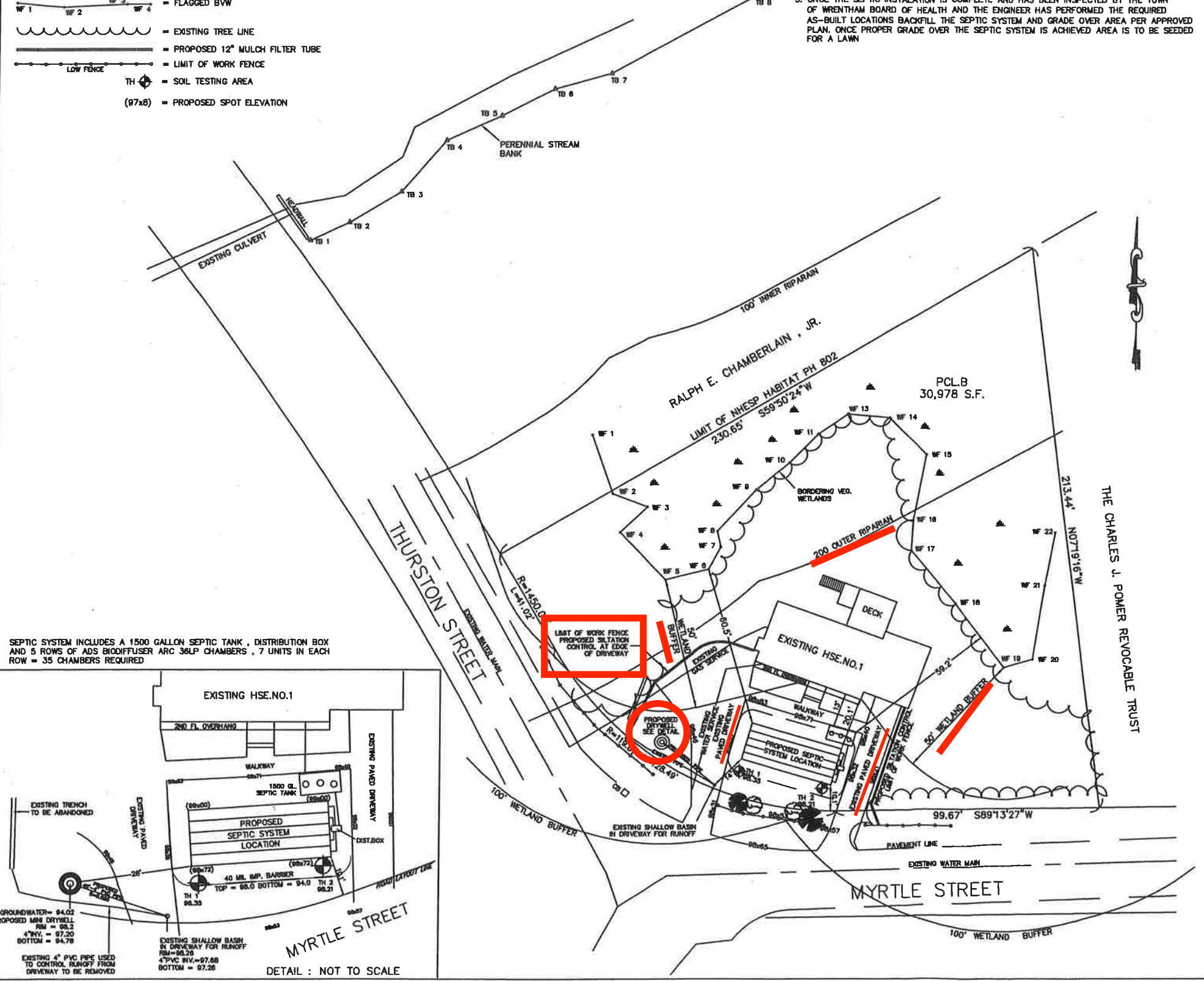
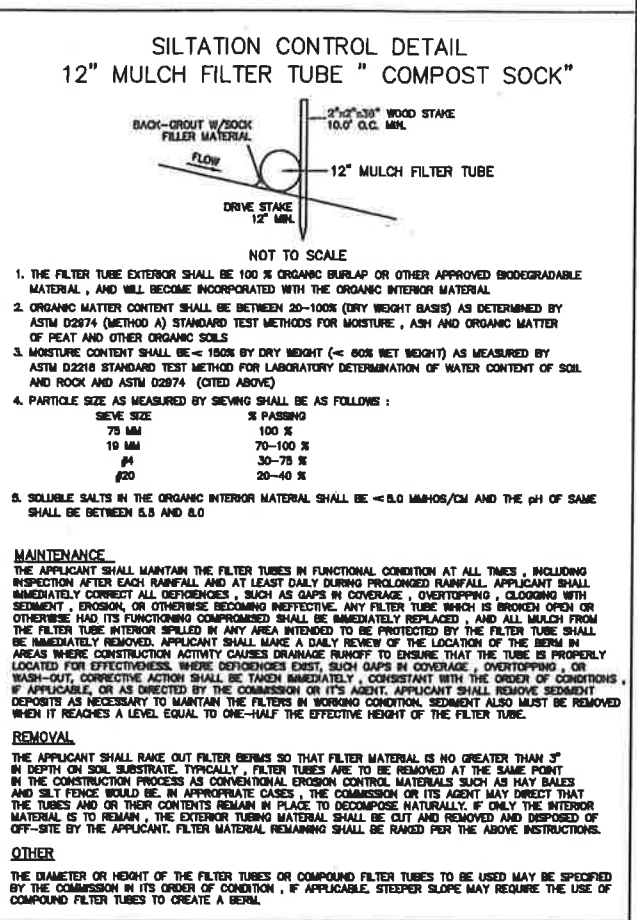
PROPOSED WORK

- PROPOSED WORK CONSISTS OF THE REMOVAL OF THE EXISTING SEPTIC SYSTEM AND THE CONSTRUCTION OF AN UPGRADED SEPTIC SYSTEM. THE EXISTING AND PROPOSED SYSTEMS ARE WITHIN THE LIMITS OF THE EXISTING PAVED DRIVEWAYS, PAVED WALKWAY AND THE NORTHERLY SIDELINE OF THURSTON AND MYRTLE STREETS. THE EXISTING SEPTIC TANK AND ANY COMPONENTS OF THE EXISTING SEPTIC SYSTEM ARE TO BE PUMPED DRY AND REMOVED FROM THE SITE IN AN APPROVED MANNER. NEW SOIL FOR THE SEPTIC SYSTEM IS TO BE SET IN PLACE TO THE PROPER GRADE AND THE NEW UPGRADED SEPTIC SYSTEM IS TO BE CONSTRUCTED IN THE APPROVED LOCATION AND AT THE APPROVED GRADES.
- ALL SEDIMENT TRACKED OR OTHERWISE DEPOSITED INTO THE ROADWAY PAVEMENT IS TO BE SWEEPED AT THE END OF EACH WORK DAY. THE CATCH BASIN LOCATED IN THE ROADWAY ALONG THE FRONTAGE OF THIS LOT IS TO BE FITTED WITH INLET PROTECTION.
- ONCE THE SEPTIC INSTALLATION IS COMPLETE AND HAS BEEN INSPECTED BY THE TOWN OF WRENTHAM BOARD OF HEALTH AND THE ENGINEER HAS PERFORMED THE REQUIRED AS-BUILT LOCATIONS BACKFILL THE SEPTIC SYSTEM AND GRADE OVER AREA PER APPROVED PLAN. ONCE PROPER GRADE OVER THE SEPTIC SYSTEM IS ACHIEVED AREA IS TO BE SEEDED FOR A LAWN.

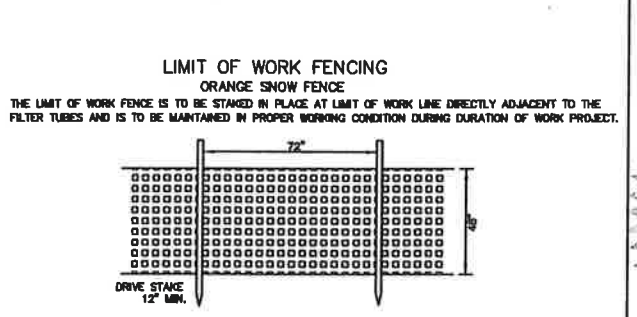
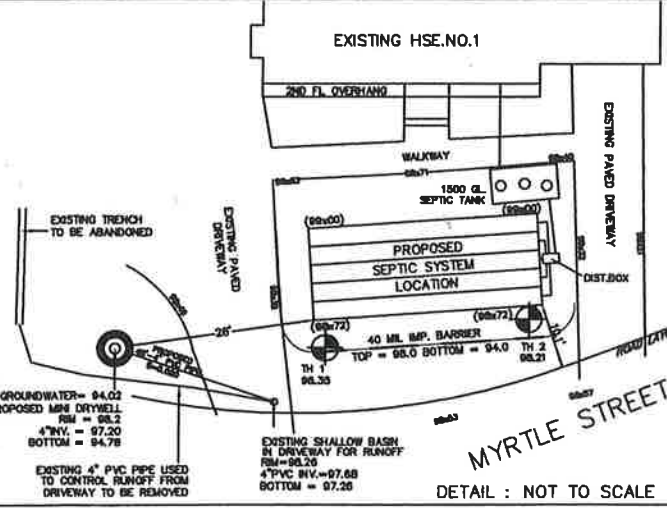
EROSION CONTROL AND STABILIZATION SCHEDULE
 THE CONSTRUCTION SUPERVISOR WILL INSPECT ALL EROSION CONTROL DEVICES AND LIMIT-OF-WORK FENCES DAILY AND, IF NEEDED, HAVE THEM REPAIRED WITHIN 12 HOURS.

PRIOR TO ANY WORK

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- PLACE DEP SIGN AND ENSURE THAT THE ORDERS, IF ANY, ARE RECORDED AND BOND IS ESTABLISHED BEFORE WORK BEGINS.



SEPTIC SYSTEM INCLUDES A 1500 GALLON SEPTIC TANK, DISTRIBUTION BOX AND 5 ROWS OF ADS BIODIFFUSER ARC 36LP CHAMBERS, 7 UNITS IN EACH ROW = 35 CHAMBERS REQUIRED



ALTERATION TO RESOURCE AREA AND BUFFER ZONES:

RESOURCE AREAS:

THE NORTHWESTERLY PROPERTY LINE IS SHOWN AS THE LIMIT OF THE NHESP HABITAT PH 802. SITE LIES IN AN APPROVED DEP ZONE II WELLHEAD PROTECTION DISTRICT.

A PERENNIAL STREAM LIES NORTHWEST OF THE SITE. A PORTION OF THE LOT IS WITH 200 FT. OF THE STREAM. TOTAL RIVERFRONT AREA = 13,611 S.F. NO WORK IS PROPOSED WITHIN THE INNER OR OUTER RIPARIAN ZONES.

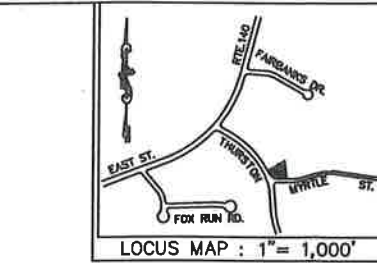
A BORDERING VEGETATED WETLAND ASSOCIATED WITH THE STREAM EXTENDS ONTO THE PROPERTY ON THE NORTH AND WEST SIDES OF THE HOUSE. THE 100 FOOT BUFFER ZONE INCLUDES THE ENTIRETY OF THE LOT.

NO WORK IS PROPOSED WITHIN THE 50 FOOT WETLAND BUFFER ZONE. WORK WITHIN THE 100' WETLAND BUFFER INCLUDES THE REMOVAL OF THE EXISTING SEPTIC SYSTEM AND THE CONSTRUCTION OF A COMPLETE NEW SEPTIC SYSTEM WITHIN THE AREA BETWEEN THE TWO EXISTING DRIVEWAYS. AREA IS PREVIOUSLY DISTURBED.

BVW FLAGS PLACED BY JOHN CHARTER SE OF RIM ENGINEERING CO., INC. ON 01-27-2020. BVW FLAGS HAVE BEEN VERIFIED BY ENVIRONMENTAL CONSULTING & RESTORATION LLC OF PLYMOUTH, MA. 02361.

PERENNIAL STREAM BANK FLAGGED BY ECR OF PLYMOUTH, MA. ON 03-03-2020. BVW FLAGS ARE PINK.

NEAREST POINT OF DISTURBANCE TO RESOURCE AREA (BVW) = 59.2' DISTURBANCE WITHIN 50' BUFFER ZONE = 0.0 S.F. DISTURBANCE WITHIN 100' BUFFER ZONE = 1555 S.F. SEPTIC SYSTEM IS OUTSIDE THE 50' FOOT RESOURCE AREA BUFFER ZONE. SEPTIC SYSTEM IS WITHIN THE 100' FOOT RESOURCE AREA BUFFER ZONE. LENGTH OF MULCH FILTER TUBES = 115 FEET.



RECEIVED
 MAR 09 2020
 WRENTHAM CONSERVATION COMMISSION

ASSESSORS PARCEL ID N-09-5-7
 ZONING CLASSIFICATION: R 43
 SEBACKS: FRONT 40 FEET
 SIDE 25 FEET
 REAR 40 FEET

OWNER & APPLICANT:
 WILLIAM F. & DEBRA M. PETERSON
 1 MYRTLE STREET
 WRENTHAM, MA. 02093

PROPOSED SEPTIC UPGRADE AND EROSION CONTROL PLAN FOR NO. 1 MYRTLE STREET IN WRENTHAM, MA.
 SCALE: 1"=20'



CRAIG E. CYGAWNOSKI
 DATE: Feb. 27, 2020

REVISION BLOCK
 FEBRUARY 27, 2020: INITIAL PLAN DATE

GRAPHIC SCALE - FEET
 0 10 20 40 60

RIM ENGINEERING CO., INC.
 P.O. BOX 32 MANSFIELD, MA 02048
 (508) 339-3731
 RIMENGINEERINGOVERZON.NET
 PETERSON 1 MYRTLE STREET WRENTHAM
 SEPTIC UPGRADE/EROSION CONTROL PLAN SHEET 1 OF 1