

EXISTING LEGEND:

- SURFACE CONTOUR
- STONE WALL
- STONE RETAINING WALL
- 79.3 WF#2 LIMIT OF BORDERING VEGETATED WETLAND WITH FLAG NUMBER AND ELEVATION
- LIMIT OF 100-FOOT WETLAND BUFFER ZONE
- EDGE OF GRAVEL ROAD
- SPOT ELEVATION
- PROMINENT DECIDUOUS TREE WITH SIZE
- PROMINENT CONIFEROUS TREE WITH SIZE
- CORRUGATED PLASTIC PIPE FOUND
- DRILL HOLE
- DRILL HOLE IN STONE BOUND
- IRON ROD
- CENTER BACK
- POLYVINYL CHLORIDE
- AIR CONDITIONER
- INVERT
- VENT PIPE
- CONCRETE
- WATER LEVEL
- BULKHEAD
- BENCHMARK
- SQUARE FEET
- ACRES
- SOLAR PANELS
- CORNER BOARD
- ROOF OVERHANG
- TYPICAL

PROPOSED LEGEND:

- SURFACE CONTOUR
- SEWER PIPE
- EROSION CONTROL LINE
- RETAINING WALL
- SPOT ELEVATION
- SEWER CLEANOUT

ELEVATION BENCH MARKS		
DATUM: ASSUMED		
NO.	DESCRIPTION	ELEV.
1.	NORTHWEST CORNER OF GRANITE STEP	82.48
2.		
3.		

- 1) ELEVATIONS SHOWN HEREON ARE REFERENCED TO AN ASSUMED DATUM.
- 2) UTILITIES ARE SHOWN HEREON FROM FIELD LOCATIONS OF SURFACE VISIBLE STRUCTURES. UNDERGROUND UTILITIES MAY EXIST. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION, SIZE & ELEVATION OF ALL UTILITIES WITHIN THE AREA OF PROPOSED WORK AND TO CONTACT "DIG-SAFE" AT 811 AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION, DEMOLITION OR CONSTRUCTION.
- 3) THE LIMIT OF BORDERING VEGETATED WETLANDS SHOWN HEREON WAS DELINEATED BY HANCOCK ASSOCIATES AND LOCATED VIA AN ON-THE-GROUND INSTRUMENT SURVEY.
- 4) THE SURVEYED PREMISES AS SHOWN HEREON IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA, OR OTHER FLOOD AREA, AS SHOWN ON FEMA NATIONAL FLOOD INSURANCE PROGRAM (NFIP) FLOOD INSURANCE RATE MAP (FIRM) NUMBER 2501700378F, HAVING AN EFFECTIVE DATE OF JULY 7, 2014.
- 5) THE EXISTING CONDITIONS SHOWN HEREON ARE THE RESULT OF AN ON-THE-GROUND INSTRUMENT SURVEY PERFORMED BY HANCOCK ASSOCIATES IN AUGUST OF 2019.
- 6) IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ELEVATIONS OF THE EXISTING BUILDING SEWER OUTLET AND OF THE EXISTING PUMP CHAMBER INLET AND REPORT ANY DISCREPANCY TO THIS OFFICE PRIOR TO COMPLETING INSTALLATION.
- 7) ALL WORK OUTSIDE OF BUILDING THAT IS LESS THAN 10 FEET FROM THE INSIDE FACE OF BUILDING FOUNDATIONS SHALL CONFORM WITH THE UNIFORM STATE PLUMBING CODE OF MASSACHUSETTS, 248 CMR 2.00.
- 8) PROPOSED BUILDING FOUNDATION CONFIGURATION AND LOCATION ON THE LOT AS SHOWN ARE CONCEPTUAL AND SHALL BE VERIFIED AS TO CONFORMANCE WITH FINAL ARCHITECTURAL PLANS AND ZONING ORDINANCES PRIOR TO CONSTRUCTION.
- 9) CONTRACTOR SHALL FURNISH CONSTRUCTION LAYOUT OF BUILDING AND SITE IMPROVEMENTS. THIS WORK SHALL BE PERFORMED BY A PROFESSIONAL LAND SURVEYOR.
- 10) THIS PLAN IS NOT INTENDED TO SHOW AN ENGINEERED BUILDING FOUNDATION DESIGN, WHICH WOULD INCLUDE DETAILS AND FINAL ELEVATIONS OF FOOTINGS, WALLS AND SUBSURFACE DRAINAGE TO PREVENT INTERIOR FLOODING. SEE ARCHITECTURAL AND/OR STRUCTURAL DRAWINGS.
- 11) CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIR AND/OR REPLACEMENT OF ANY EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION THAT ARE NOT DESIGNATED FOR DEMOLITION AND / OR REMOVAL HEREON. DAMAGED IMPROVEMENTS SHALL BE REPAIRED TO THE SATISFACTION OF THEIR RESPECTIVE OWNERS.
- 12) ANY INTENDED REVISION OF THE HORIZONTAL AND/OR VERTICAL LOCATION OF IMPROVEMENTS TO BE CONSTRUCTED AS SHOWN HEREON SHALL BE REVIEWED AND APPROVED BY ENGINEER PRIOR TO IMPLEMENTATION.
- 13) CONTRACTOR TO HAVE DEWATERING EQUIPMENT AVAILABLE AT ALL TIMES WHILE THE FOUNDATION EXCAVATION IS OPEN. IF DEWATERING TAKES PLACE A DEWATERING FILTER BAG SHALL BE PLACED ON ANY PUMP OUTLETS.
- 14) EXCAVATED MATERIALS SHALL BE STOCKPILED, SEPARATING THE TOPSOIL FOR FUTURE USE ON THE SITE. EROSION CONTROL SHALL BE UTILIZED ALONG THE DOWN SLOPE SIDE OF THE PILES AND SIDE SLOPES SHALL NOT EXCEED 2:1. AFTER COMPLETION OF THE INSTALLATION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ANY EXCESS MATERIALS IN ACCORDANCE WITH APPLICABLE STATE, AND LOCAL REGULATIONS.
- 15) LOAM AND SEED ALL DISTURBED AREAS AS SOON AS PRACTICABLE TO ENSURE PROPER SLOPE STABILIZATION.

N/F ELIZABETH C. CASE
DEED BOOK 16394, PAGE 62
PLAN NO. 730 OF 1950

N/F PHILIP & MARY-WREN
VANDERWILDEN
DEED BOOK 69885, PAGE 249
PLAN NO. 730 OF 1950

N/F M&R TRUST
DEED BOOK 72155, PAGE 23
PLAN NO. 1036 OF 1980

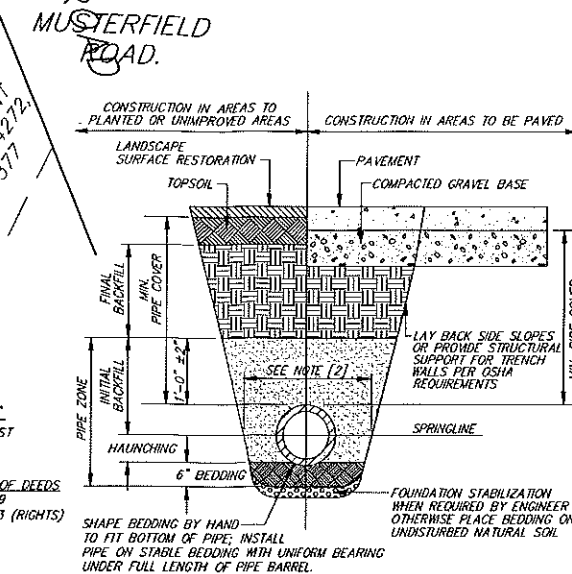
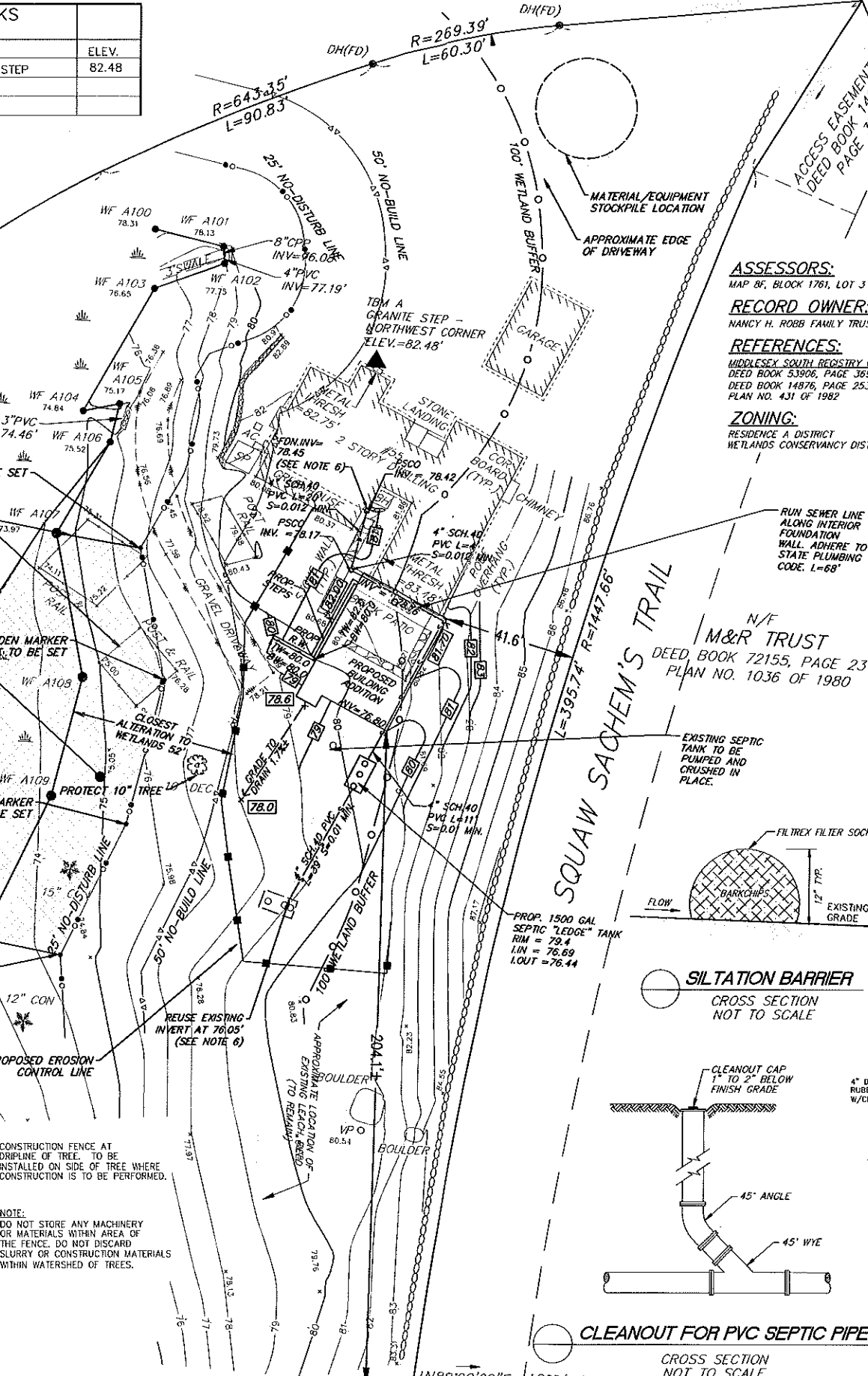
WOODEN MARKER POST TO BE SET
EXISTING GARDEN AREAS TO BE REMOVED/RELOCATED OUTSIDE OF 25' NO DISTURB ZONE.
AREA WITHIN 25' NO DISTURB ZONE TO BE UNMAINTAINED AND LEFT TO GROW NATURALLY 3352± S.F.
AREA WITHIN WETLANDS TO BE UNMAINTAINED AND LEFT TO GROW NATURALLY 5372± S.F.

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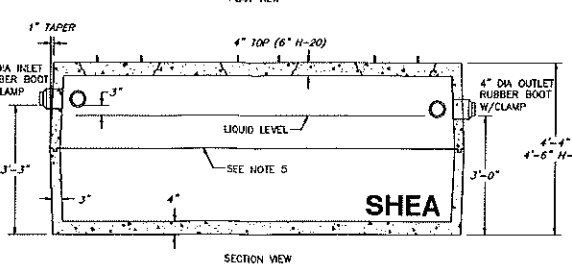
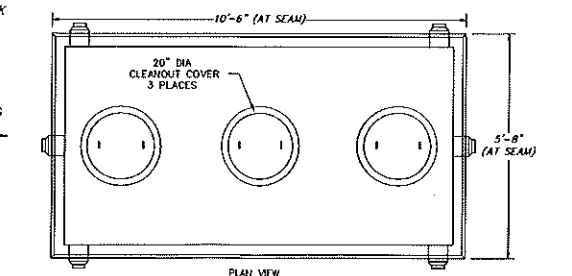
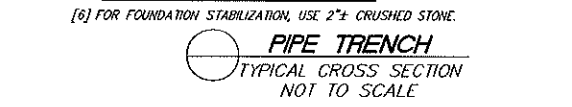
FOUNDATION, BEDDING, & BACKFILL MATERIALS

PIPE MATERIAL	HDP, PVC	RC, DI
FOUNDATION STABILIZATION	[6]	[6]
BEDDING	[1]	[1]
HAUNCHING	[1]	[1]
INITIAL BACKFILL	[1]	[1]
FINAL BACKFILL	[4]	[4]
MIN. PIPE COVER	[5]	[5]

NOTES:
 [1] PLACE 3/4\"/>

PIPE MATERIAL	HDP, PVC	RC, DI
WATER	5'-0"	5'-0"
SEWER	4'-0"	4'-0"
DRAIN	1'-6"	1'-0"

[6] FOR FOUNDATION STABILIZATION, USE 2\"/>

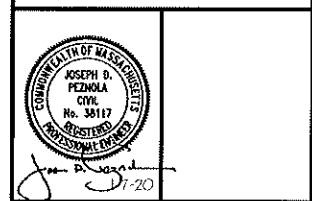


- NOTES:**
1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
 2. CONSTRUCTION OF SEPTIC TANK CONFORMS WITH 310 CMR, SECTION 15.00 DEP TITLE 5 REGS, FOR REPLACEMENT SYSTEMS WHERE A LIQUID LEVEL OF 4' IS NOT FEASIBLE.
 3. ALL REINFORCEMENT PER ASTM C1227.
 4. TEES AND GAS BAFFLE SOLD SEPARATELY.
 5. TONGUE & GROOVE JOINT SEALED WITH BUTYL RESIN.
 6. IF COVER EXCEEDS 4 FEET, HEAVY DUTY TANK REQUIRED. ALSO AVAILABLE IN AASHTO HS-20 LOADING.

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 Concord, Massachusetts

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NO.	BY	APP.	DATE	ISSUE/REVISION DESCRIPTION
2	JTL	JP	1/7/2020	REV. PER TOWN COMMENTS
1	RD	JP	12/18/19	REVISE WETLAND FLAGS

DATE: 10/17/19 DRAWN BY: JTL
 SCALE: 1" = 20' CHECK BY: JP

SEPTIC SYSTEM MODIFICATION PLAN
 IN
CONCORD, MASSACHUSETTS
 PROJECT NO.: 22718