
Sullivan, Connors & Associates

Land Surveying and Civil Engineering

Town of Sudbury Conservation Commission
DPW Building
275 Old Lancaster Road
Sudbury, MA 01776

December 12, 2018

**RE: 12 Maynard Road
DEP File #301-1205**

Dear Commission Members,

On behalf of the applicant, please find the enclosed plan for 12 Maynard Road. The plans have been updated to show the as-built foundation drain and house footprint. The applicant is requesting a modification of the approved plans to allow these two items. Each item is described below with additional details.

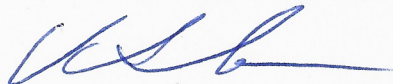
1. Installation of a foundation drain: The approved plans do not show a foundation drain. However, during construction a drain was installed around the foundation perimeter. The applicant is requesting a modification to allow the drain to remain in place. The foundation drain is not anticipated to collect or discharge any significant amount of water since it is set at an elevation above the high groundwater table. The drain is set at approximately elevation 173, and the soil testing on-site has shown seasonal high groundwater at 169. The discharge point would be located to the rear of the garage and will be maintained within the approved limit of work.

Current groundwater conditions are at seasonal high levels. During recent soil testing our office has been witnessing groundwater at soil mottling elevations. The drain was inspected on 12/12/2018 and there was no ongoing flow or any evidence of flow in the past. This verifies the drain should not collect or discharge groundwater.

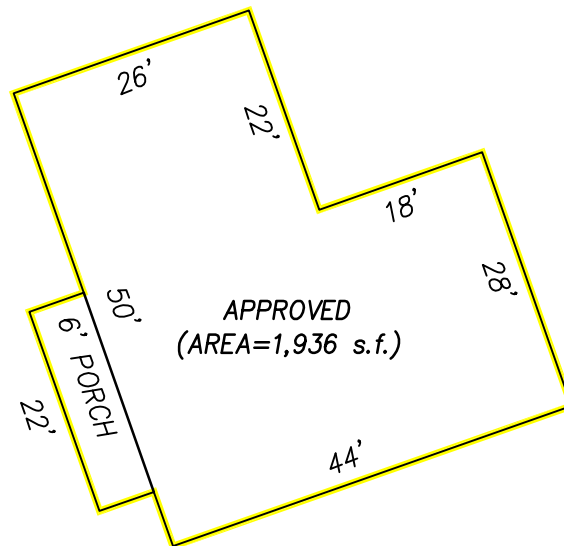
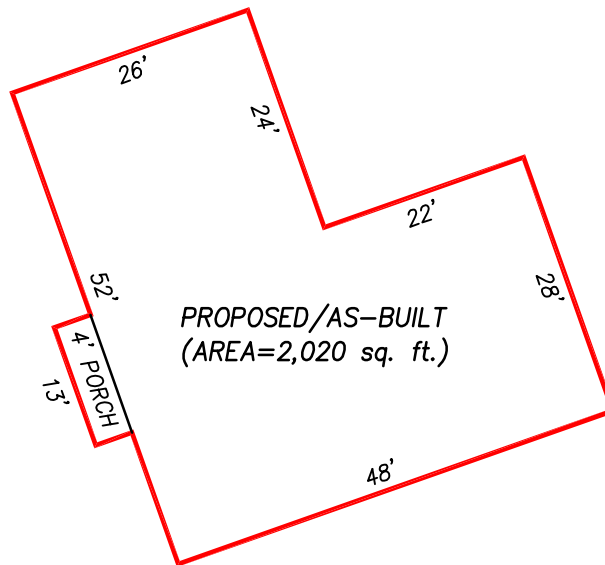
2. Increased building footprint: The actual house footprint has increased slightly by approximately 84 square feet due to final architectural design. The approved plan had a footprint of 1,936 square feet and the as-built footprint is 2,020 square feet. The location has been maintained within the approved limit of work, and the foundation is one foot closer to the wetland due to the additional width. The drywell sizing and capacity has been reviewed, and the calculations verify sufficient capacity to accommodate the minor increase in roof area.

If you have any questions please contact our office at 508-393-9727.

Sincerely,
Connorstone Engineering, Inc.



Vito Colonna, PE



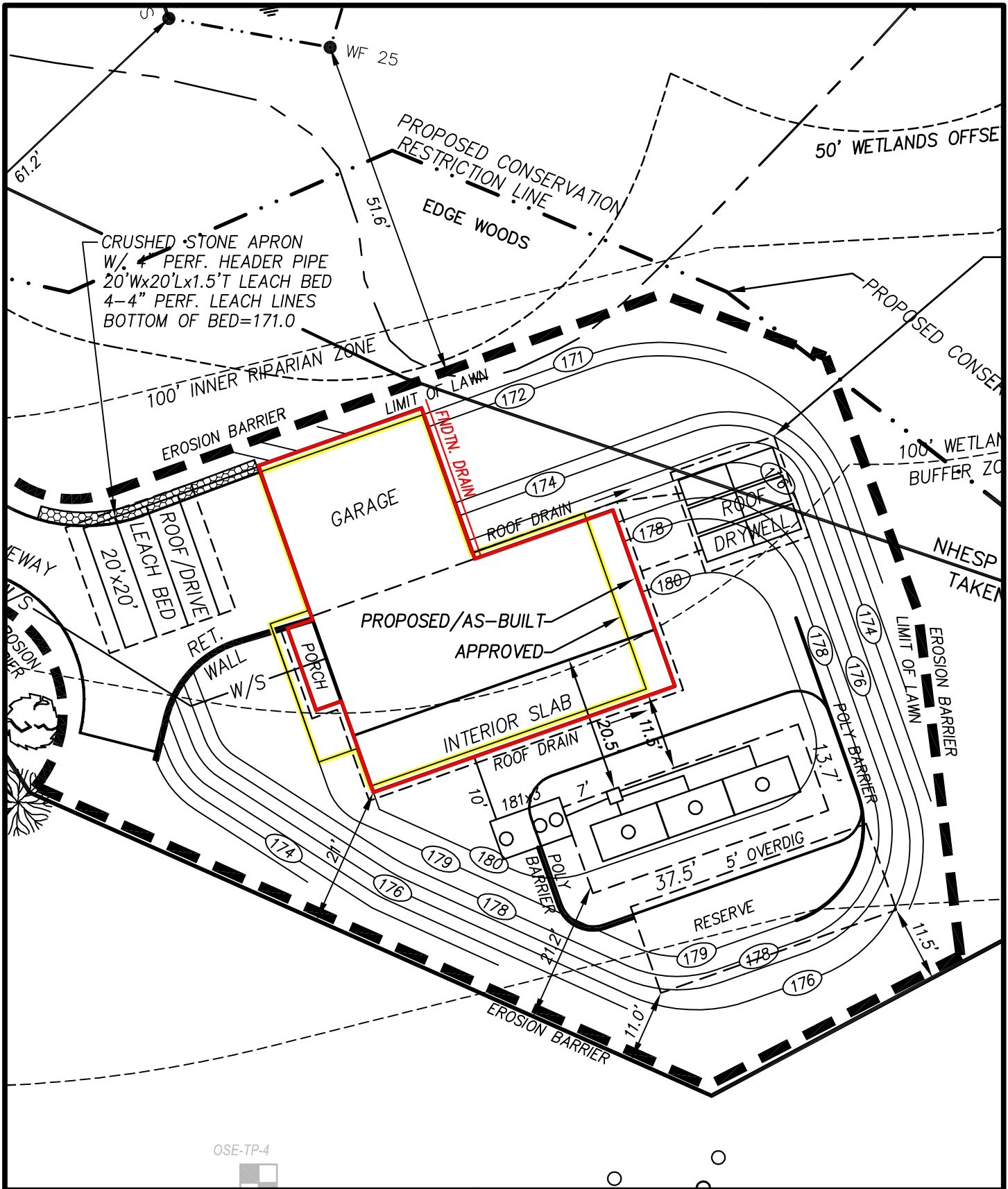
**HOUSE FOOTPRINTS
MAYNARD ROAD, SUDBURY**

**SULLIVAN, CONNORS
AND ASSOCIATES**

DATE:
12/13/18

SCALE:
1"=20'

LAND SURVEYING AND CIVIL ENGINEERING
121 BOSTON POST RD. SUDBURY, MA. 01776



OSE-TP-4



**HOUSE OVERLAY
MAYNARD ROAD, SUDBURY**

DATE:

12/13/18

SCALE:

1"=20'

**SULLIVAN, CONNORS
AND ASSOCIATES**

LAND SURVEYING AND CIVIL ENGINEERING
121 BOSTON POST RD. SUDBURY, MA. 01776

CSD-1	0-12"	Ap	LOAMY SAND	10YR3/2	24"
5/17/2017	12-30"	Bw	LOAMY SAND	10YR5/6	
170.8	30-60"	C	SAND	2.5Y5/4	

PARENT MATERIAL: ABLATION TILL DEPTH TO BEDROCK: --- WEeping FROM PIT FACE: 32" ESHWT: 168.8

CSD-2	0-10"	Ap	LOAMY SAND	10YR3/2	36"
5/17/2017	10-24"	Bw	LOAMY SAND	10YR5/6	
172	24-64"	C	SAND	2.5Y5/4	

PARENT MATERIAL: ABLATION TILL DEPTH TO BEDROCK: --- WEeping FROM PIT FACE: 46" ESHWT: 168.8

CSD-3	0-12"	Ap	LOAMY SAND	10YR3/2	39"
5/17/2017	12-26"	Bw	LOAMY SAND	10YR5/6	
171.8	26-64"	C1	SAND	2.5Y5/4	
	64-84"	C2	LOAMY SAND	2.5Y8/3	

PARENT MATERIAL: ABLATION TILL DEPTH TO BEDROCK: --- WEeping FROM PIT FACE: 54" ESHWT: 168.7

CONDUCTED BY: VITO COLONNA - CONNORSTONE ENGINEERING, SE#2811
DATE: 5/17/2017

SCHEDULE OF ELEVATIONS

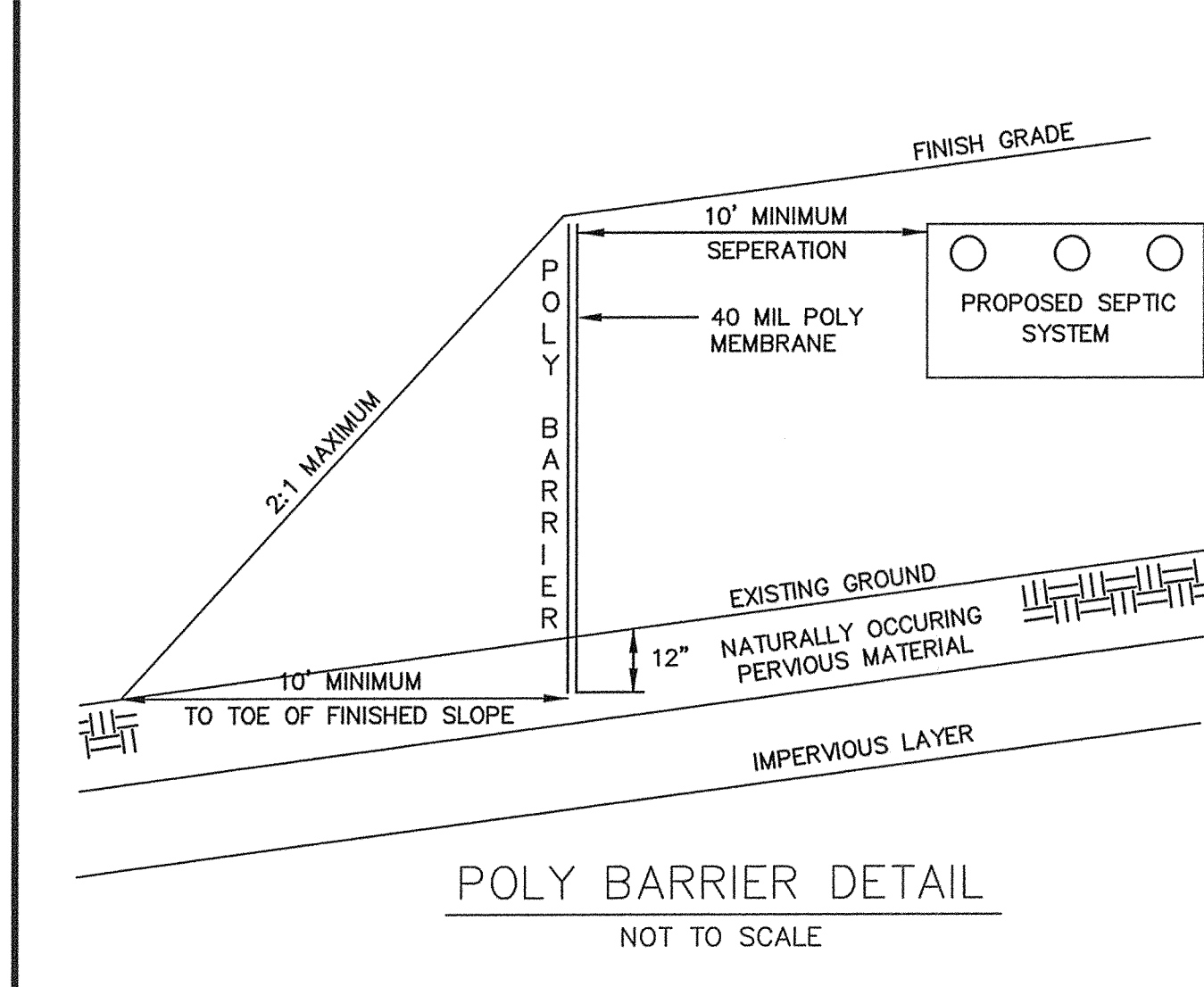
TOP OF FOUNDATION T.C. =	182.0
BASEMENT FLOOR FIN. C.F. =	174.5
INVERT OF PIPE AT FOUNDATION =	179.6
INVERT AT SEPTIC TANK INLET =	179.3
INVERT AT SEPTIC TANK OUTLET =	179.1
INVERT AT DISTRIBUTION BOX INLET =	178.9
INVERT AT DISTRIBUTION BOX OUTLET =	178.7
INVERT AT LEACHING GALLEY (IN) =	178.5
ELEVATION OF GALLEY BOTTOM =	176.5
FINISH GRADE OVER LEACHING AREA =	181

DESIGN CRITERIA

- ESTIMATED FLOW = 4 BDRMS X 110 GPD/BR=440 GPD
- DESIGN PERCOLATION RATE = 8 MPI
- LEACHING AREA CALCULATION =
LOCAL BYLAW 50 S.F./BEDROOM - GALLEY SYSTEM = 200 S.F.
SA=2(2x(13.7+37.5))=204 SF > 717 SF(0.66 GPD/SF)=473 GPD
BA= 13.7x37.5= 513 SF

RIVER ZONE AREA TABULATION:

TOTAL RIVERFRONT AREA ON-SITE = 113,845 S.F.
10% OF RIVERFRONT AREA = 11,384 S.F.
PROPOSED WORK IN THE RIVERFRONT AREA = 11,370 S.F.



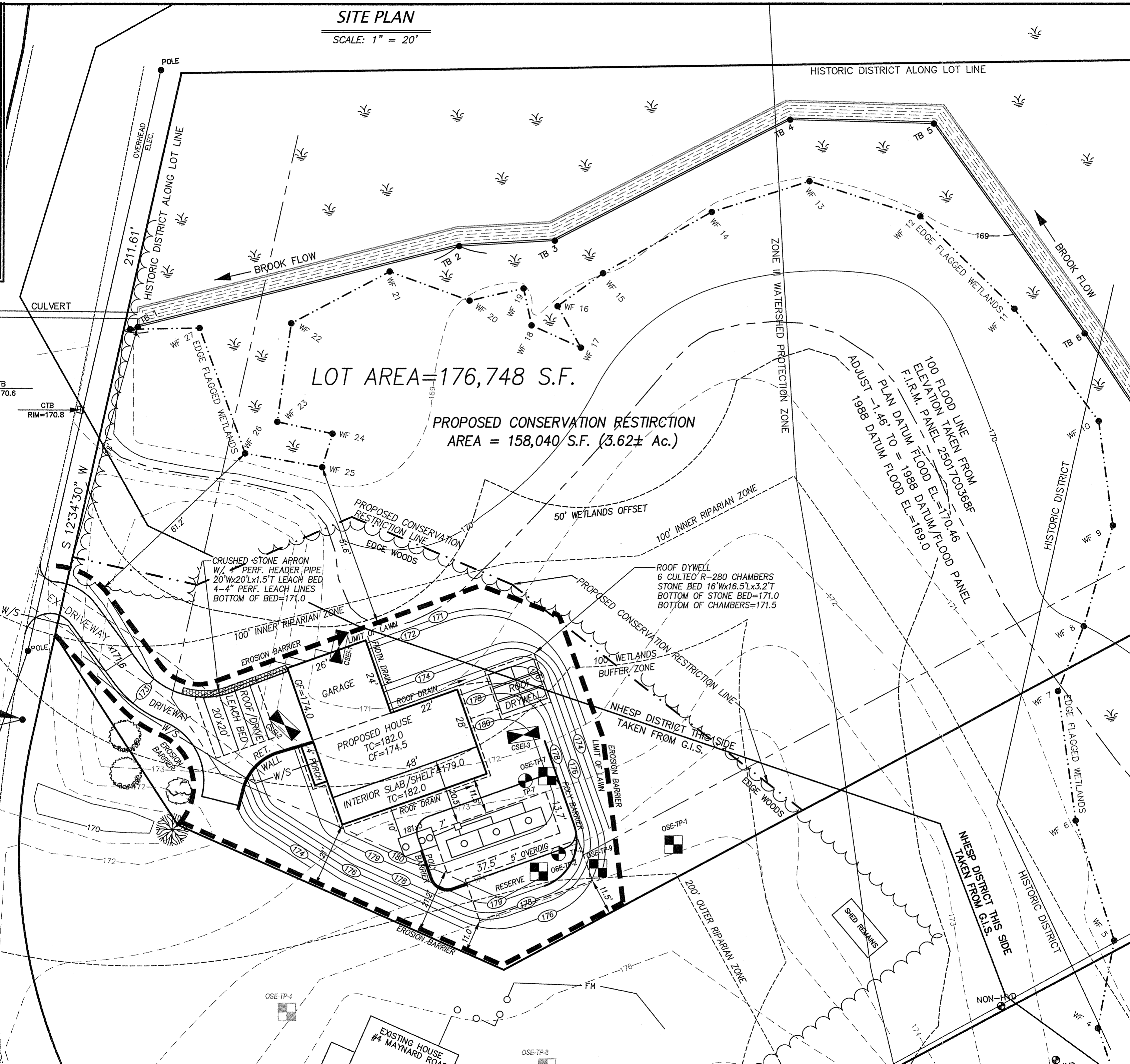
- ### SITE NOTES:
- TOPOGRAPHIC PLAN, TEST HOLE LOCATIONS, TEST HOLE LOGS/RESULTS AND CAD FILE PROVIDED BY APPLICANT.
 - LOT LINES TAKEN FROM EXISTING A.N.R. PLAN ON RECORD.
 - CONNORSTONE DOES NOT WARRANT TEST HOLE LOCATIONS, RESULTS, OR CHARACTER OF THE GROUND.
 - TOPOGRAPHY SHOWN IS ON AN ASSUMED DATUM. ADJUST ELEVATIONS -1.46' TO CONVERT ELEVATIONS TO NGVD OF 1988.

BM TOP HYD

ELEV=174.56 (ASSUMED DATUM)
AS SHOWN ON PLAN BY:
ONSITE ENGINEERING, DATED: NOV. 2015

BENCHMARK (1988 NGVD) CONFIRMATION:
FIELD LOCATED AND VERIFIED
BY CONNORSTONE: 2-16-17
VIA G.P.S. INSTRUMENT
TOP HYD. ELEV.=173.10 (1988 NGVD)
PLAN DATUM = 174.56
1988 DATUM = 173.10
DIFFERENCE = -1.46

SUBTRACT 1.46 FROM ALL PLAN ELEVATIONS TO EQUILIBRATE WITH 1988 BASED PLANS - FLOOD MAPS
E.G. FLOOD PLAN ELEVATION:
170.46 - 1.46 = 169 (ASSUMED) (ADJUST.) (1988)



- ### GENERAL NOTES:
- Contractor shall call Digsafe at (888) 344-7233 a minimum of 72 hours prior to commencing any construction activities on site.
 - Inspections by Design Engineer and Board of Health are as required by the Board of Health.
 - This plan was prepared for the design of the subsurface sewage disposal system only and is based on the subsurface explorations and percolation tests listed below.
 - System was designed only to accommodate sanitary sewage associated with normal domestic usage, consisting of water carried putrescible waste, and for flows indicated in the design criteria.
 - The system must be vented through the buildings plumbing in accordance with the state building code.
 - Owner shall verify effective zoning regulations prior to construction.
 - Plans show only features that were visually apparent on the date of the topographic survey, and the absence of subsurface structures, utilities, etc. is not guaranteed.
 - Contractor to determine if site conditions are suitable for construction of proposed system, and must promptly notify the Design Engineer and Owner, in writing, of any plan deficiencies, unforeseen subsurface conditions, or required changes.
 - There are no wells located within 100 feet of the proposed leaching area or within 100 feet of the proposed septic tank (except as shown).
 - The subject property is located within a Zone II of a public drinking water supply well.
 - All construction is to conform to the requirements of the Massachusetts Environmental Code, Title V, and the town of SUDBURY Board of Health regulations.
 - There are no bordering vegetated wetlands, inland banks, or surface waters within 100' of the proposed system.
 - There are no surface or subsurface drains which are used to lower the ground water.
 - All elevations refer to BM TOP HYD. EL.=174.56
 - For proper performance, septic tank should be pumped annually.
 - System cannot be backfilled or concealed until design firm and board of health have inspected the system and permission to backfill has been given.
 - Design firm must prepare and submit "As-Built" plan to Board of Health. This plan must certify that the system was installed in accordance with state and local regulations and that it complies with the provisions of the proposed plan.
 - Property lines are approximate and are not to be used for boundary survey purposes. Surface features and topography outside of work area are approximate.
 - System is not designed to accommodate a garbage grinder.

- ### TECHNICAL NOTES:
- Building sewer shall be in accordance with state plumbing code and have a minimum of 4" of cover in landscaped areas. A minimum of 12" of cover and/or appropriate sleeving shall be used in areas subject to vehicular traffic.
 - All tanks, including septic tanks, distribution boxes, dosing chambers, and grease traps shall be either watertight through manufacturer's specification and warranty, or made watertight by manufacturer or other individual by means and persons as approved in 310 CMR 15.221. Septic tank shall be constructed and placed in accordance with 310 CMR 15.223 through 310 CMR 15.228.
 - Septic tanks shall have at least three (3) 20" manholes with at least one (1) of these manholes located no more than 6" below finish grade. (Systems over 1,000 gpd shall have access parts at both the inlet and outlet tees).
 - Distribution box ("d-box") shall be of watertight construction, installed level on a firm base, and installed in accordance with 310 CMR 15.232.
 - Septic tank covers and d-box are to be brought within 6" and 9" of finish grade respectively by the use of riser sections.
 - When the soil absorption system (SAS) is to be dosed or the slope of the inlet pipe exceeds 0.08 feet per foot, an inlet tee, baffle or splash plate extending to one inch above the outlet elevation shall be provided to dissipate velocity of the influent.
 - When the SAS is installed within the top one subsoil layer or above natural grade, all topsoil and subsoil shall be removed below and laterally a minimum of 5 feet surrounding the SAS. Removed material shall be replaced with clean granular material in accordance with 310 CMR 15.252(3).
 - All disturbed areas shall be loamed, seeded, and maintained so as to prevent erosion.
 - All native soil interfaces which will contact the SAS shall be scarified prior to placement of stone.

PERCOLATION TESTS

HOLE NO. & DATE	TOP ELEVATION	DEPTH (In.)	SATURATION (Min.)	12"-9" DROP (Min.)	9"-6" DROP (Min.)	PERC. RATE (Min./In.)
PT-2 1/15/15	20-30"					<2 MIN/IN
PT-7 1/15/15	16-34"					7 MIN/IN

DEEP OBSERVATION HOLE LOG

NO. DATE & ELEV.	DEPTH (In.)	SOIL HORIZON	TEXTURE (USDA)	COLOR (MUNSELL)	SOIL MOTTLING	OTHER
OSE-TP-1 1/15/15 174.9	0-10" 10-40" 40-62" 62-112"	Ap Bw C1 C2	SANDY LOAM SANDY LOAM VERY FINE SAND LOAMY SAND	10YR3/2 10YR5/6 2.5Y5/2 2.5Y5/2	36"	

PARENT MATERIAL: ABLATION TILL DEPTH TO BEDROCK>112" STANDING WATER: 84" WEeping FROM PIT FACE: 60" ESHWT: 171.90

OSE-TP-2	0-8"	Ap	SANDY LOAM	10YR3/2	
1/15/15	8-16"	Bw	SANDY LOAM <td>10YR5/6</td> <td>40"</td>	10YR5/6	40"
174.3	16-64"	C1	LOAMY SAND	2.5Y6/3	
	64-96"	C2	LOAMY SAND	2.5Y5/2	

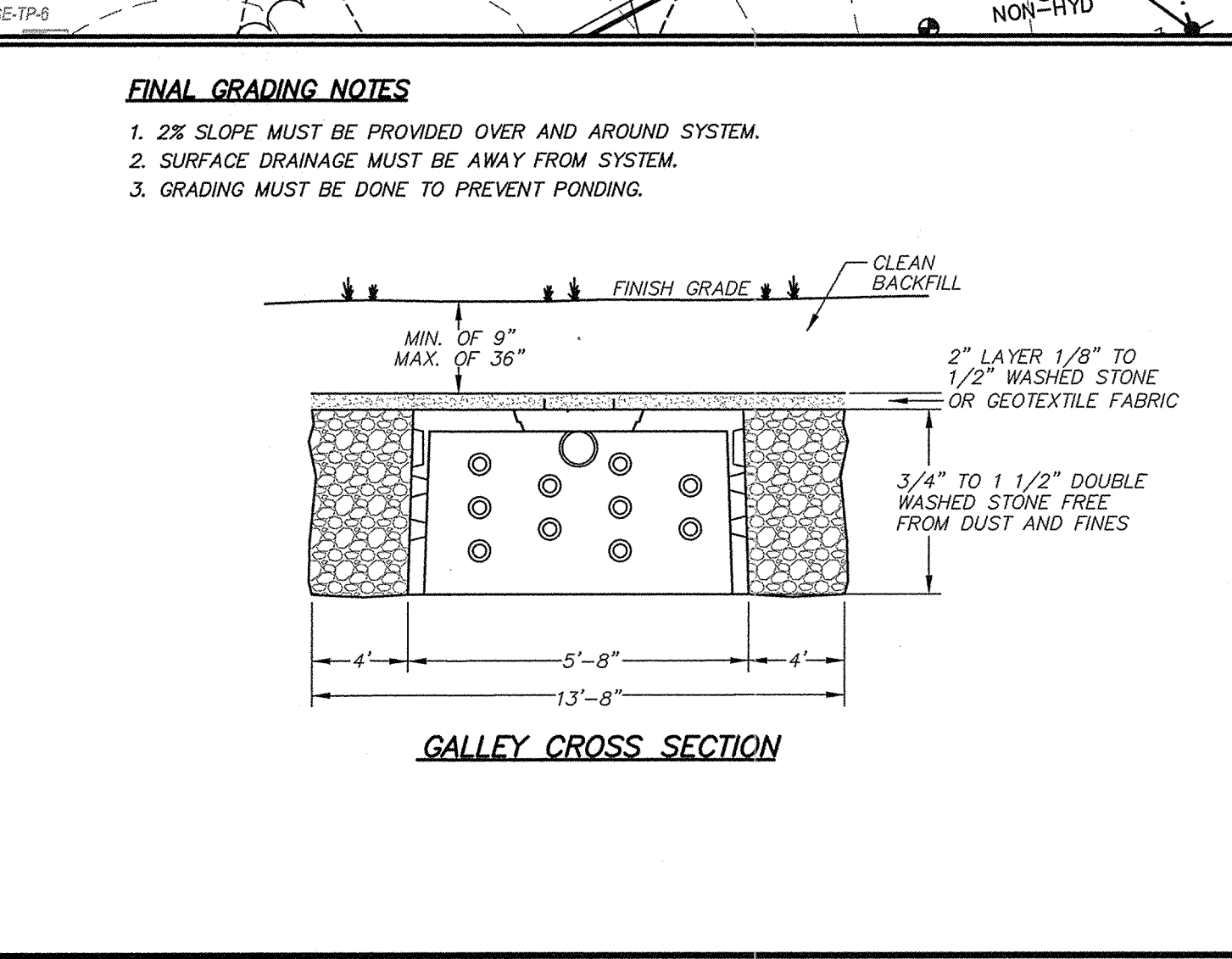
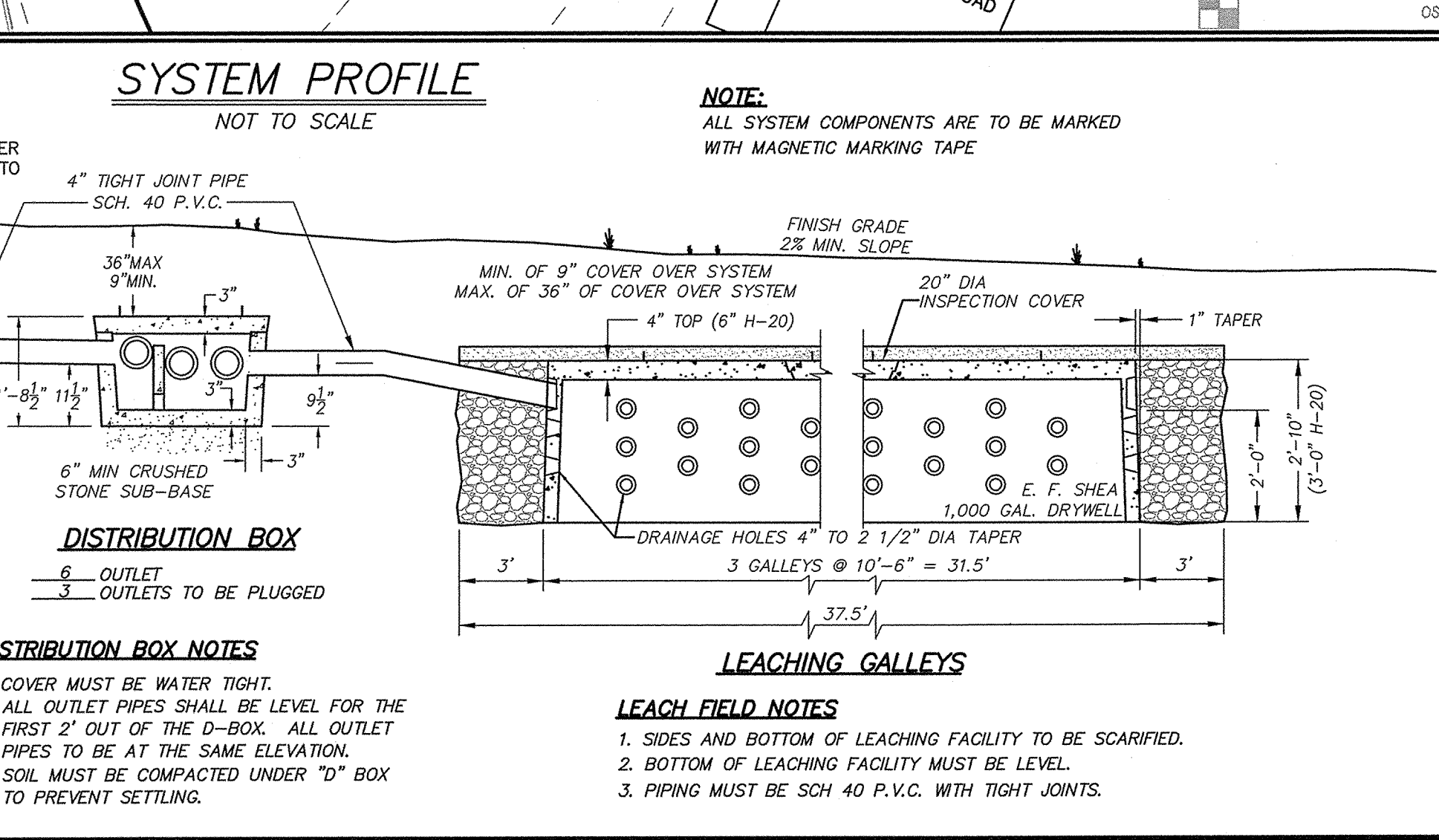
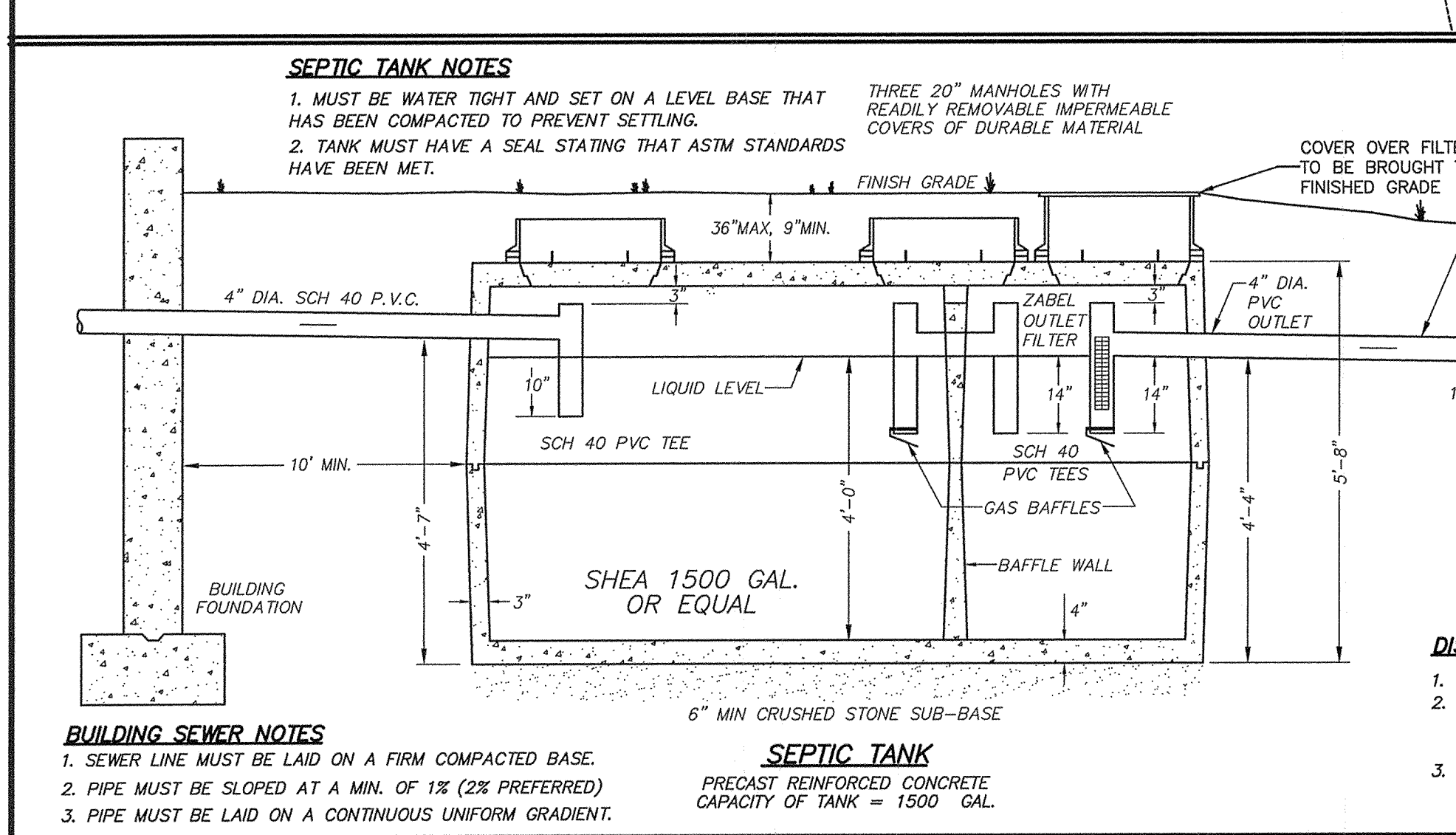
PARENT MATERIAL: ABLATION TILL DEPTH TO BEDROCK>96" STANDING WATER: 75" WEeping FROM PIT FACE: 48" ESHWT: 170.98

OSE-TP-7	0-12"	Ap	SANDY LOAM	10YR3/2	
1/15/15	12-33"	Bw	SANDY LOAM <td>10YR5/6</td> <td>41"</td>	10YR5/6	41"
172.7	33-44"	C1	SANDY LOAM <td>2.5Y5/3</td> <td></td>	2.5Y5/3	
	44-92"	C2	SANDY LOAM <td>2.5Y5/3</td> <td></td>	2.5Y5/3	

PARENT MATERIAL: ABLATION TILL DEPTH TO BEDROCK>82" STANDING WATER: 41" WEeping FROM PIT FACE: 41" ESHWT: 169.28

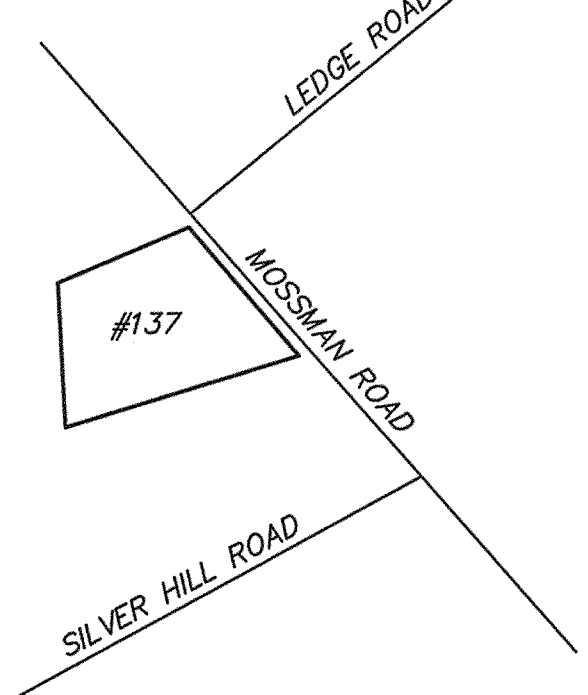
OSE-TP-9	0-12"	Ap	SANDY LOAM	10YR3/2	
1/15/15	12-35"	Bw	SANDY LOAM <td>10YR5/6</td> <td>40"</td>	10YR5/6	40"
174.9	35-88"	C1	VERY FINE SAND	2.5Y5/3	

TESTS CONDUCTED BY: RAYMOND WILLIS - ONSITE ENGINEERING
TESTS OBSERVED BY: BILL MURPHY DATE: 1/15/15



APPLICANT		LOCATION	
SHK BEN DEVELOPMENT, LLC 22 OHIO AVENUE NEWTON, MA 02464		MAYNARD ROAD SUDBURY, MA ASSESSORS MAP G08 & PARCEL 12	
NO.	DATE:	REVISION:	BY:
1.	3/21/17	STORMWATER APPLICATION	VC
2.	4/27/17	DATUM NOTE	RM
3.	5/3/17	ADDITIONAL DATUM NOTES	RM
4.	5/12/17	DPW COMMENTS	RM
5.	5/17/17	ADDITIONAL TEST PITS	VC
6.	7/27/17	MISC. B.O.H. EDITS	RM
7.	12/12/18	CON. COMM. EDITS	RM
PROPOSED SEWAGE DISPOSAL SYSTEM			
CONNORSTONE ENGINEERING			
CONSULTING CIVIL ENGINEERS AND LAND SURVEYORS			
10 SOUTHWEST CUTOFF, SUITE 7			
NORTHBOROUGH, MASSACHUSETTS 01532			
PHONE: 508-393-9727 FAX: 508-393-5242			
DATE: 03/16/2017		SHEET 1 OF 2	

LOCUS MAP
N.T.S.



SCHEDULE OF ELEVATIONS

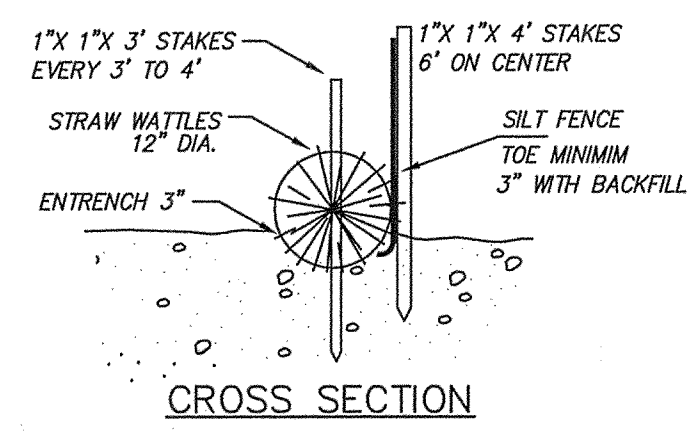
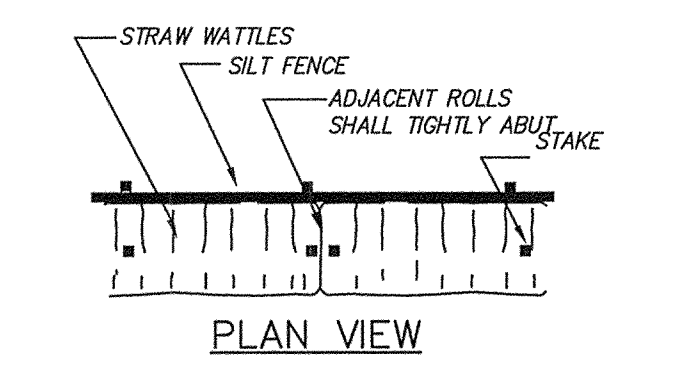
TOP OF FOUNDATION T.C. =	198.0
BASEMENT FLOOR FIN. C.F. =	190.5
INVERT OF PIPE AT FOUNDATION =	195.6
INVERT AT SEPTIC TANK INLET =	194.9
INVERT AT SEPTIC TANK OUTLET =	194.7
INVERT AT DISTRIBUTION BOX INLET =	194.5
INVERT AT DISTRIBUTION BOX OUTLET =	194.3
INVERT AT LEACHING LINES (BEGINNING) =	194.1
INVERT AT LEACHING LINES (END) =	193.9
ELEVATION OF TRENCH BOTTOM =	191.9
FINISH GRADE OVER LEACHING AREA =	196±

DESIGN CRITERIA

- ESTIMATED FLOW = 4 BORMS X 110 GPD/BR=440 GPD
- DESIGN PERCOLATION RATE = 15 MPI
- LEACHING AREA CALCULATION
LOCAL BYLAWS 170 S.F. OF SIDEWALL AREA/BEDROOM = 880 S.F. REQ'D.
SA=8(2'X4') = 688 SF > 1032 SF(0.56 GPD/SF)=577 GPD
BA=4(2'X4') = 344 SF

SEDIMENTATION AND EROSION CONTROL NOTES:

- ALL WORK SHALL BE IN ACCORDANCE WITH THE TOWN OF SUDBURY STORMWATER MANAGEMENT BYLAW AND IMPLEMENTING REGULATIONS.
- PRIOR TO INITIATING CONSTRUCTION, ALL SEDIMENTATION AND EROSION CONTROL MEASURES SHALL BE INSTALLED AS SHOWN ON THE PLANS AND DETAIL DRAWINGS. THIS PLAN DEPICTS THE MINIMUM REQUIRED SEDIMENTATION AND EROSION CONTROL. THE CONTRACTOR SHALL EMPLOY ADDITIONAL MEASURES AS NECESSITATED BY SITE CONDITIONS, OR AS DIRECTED BY THE OWNER, THE OWNER'S REPRESENTATIVE, OR THE CONSERVATION COMMISSION TO ENSURE PROTECTION OF ALL WETLAND RESOURCES AND CONTROL SEDIMENT TRANSPORT. IF SEDIMENTATION OCCURS, THE CONTRACTOR SHALL STOP WORK AND INSTALL ADDITIONAL SEDIMENTATION CONTROL DEVICES IMMEDIATELY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL TEMPORARY AND PERMANENT SEDIMENTATION AND EROSION CONTROLS UNTIL WORK IS COMPLETE AND ALL AREAS HAVE BEEN PERMANENTLY STABILIZED. AT SUCH TIME THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL SEDIMENTATION AND EROSION CONTROL MEASURES.
- THE CONTRACTOR SHALL INSPECT SEDIMENTATION AND EROSION CONTROLS ON A DAILY BASIS AND IMMEDIATELY AFTER EACH RAINFALL; REPAIRS SHALL BE MADE BY THE END OF THE WORKING DAY. ACCUMULATED SEDIMENT SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR, AS REQUIRED BY THE CONSERVATION COMMISSION OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE PREPARED TO ALLOW WORK TO WAIT A DAY OR TWO AFTER RAIN EVENTS TO ALLOW SURFACE SOILS TO DRY.
- SOIL STOCKPILES SHALL BE STABILIZED TO PREVENT EROSION. A SEDIMENT BARRIER SHALL BE PLACED AROUND THE BASE OF THE PERIMETER. NO MATERIALS SUBJECT TO EROSION SHALL BE STOCKPILED OVERNIGHT WITHIN 100 FEET OF A WETLAND UNLESS COVERED. EQUIPMENT SHALL NOT BE PARKED WITHIN WETLANDS OR BUFFER AREAS.
- DISTURBED AREAS SHALL BE STABILIZED BY LOAMING AND SEEDING, OR BY ANOTHER APPROVED METHOD, AS SOON AS POSSIBLE AFTER THE FINISHED GRADE HAS BEEN MET. DISTURBED AREAS WITH SLOPES 2:1 (H:V) OR GREATER SHALL BE STABILIZED WITH HYDROSEED AND SOIL TACKIFIER. IF FINAL GRADING DOES NOT OCCUR DURING THE GROWING SEASON, THESE AREAS SHALL BE MULCHED WITH HAY AND SECURED.
- DEWATERING OPERATIONS, IF REQUIRED, SHALL DISCHARGE ONTO STABILIZED AREAS AND ALL DISCHARGE WATER IS TO PASS THROUGH SEDIMENTATION CONTROL DEVICES TO PREVENT IMPACTS UPON WATER BODIES, BORDERING VEGETATED WETLANDS, DRAINAGE SYSTEMS AND ADJUTING PROPERTIES. NO DISCHARGES FROM DEWATERING OPERATIONS SHALL BE DISCHARGED DIRECTLY TO THE DRAINAGE SYSTEM.
- STREET SWEEPING IN THE VICINITY OF THE PROJECT AREA SHALL BE PERFORMED AS NEEDED UNTIL THE PROJECT LIMITS HAVE BEEN STABILIZED. ALL SEDIMENT TRACKED ONTO PUBLIC RIGHT-OF-WAYS SHALL BE SWEEPED AT THE END OF EACH WORKING DAY.



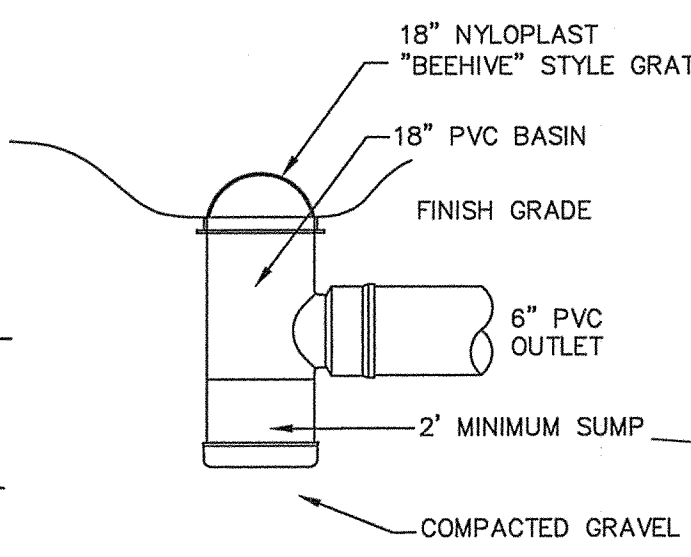
STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL TO ENSURE RUNOFF DOES NOT RUN UNDER OR AROUND ROLL.

SEDIMENT BARRIER DETAIL
NOT TO SCALE

ZONING REQUIREMENTS

LOT AREA = 40,000 S.F.
FRONTAGE = 180'
FRONT SETBACK = 40'
SIDE SETBACK = 20'
REAR SETBACK = 30'
BUILDING HEIGHT = 35'

NOTE: THIS PLAN IS NOT FOR THE PURPOSE OF BUILDING HEIGHT COMPLIANCE.

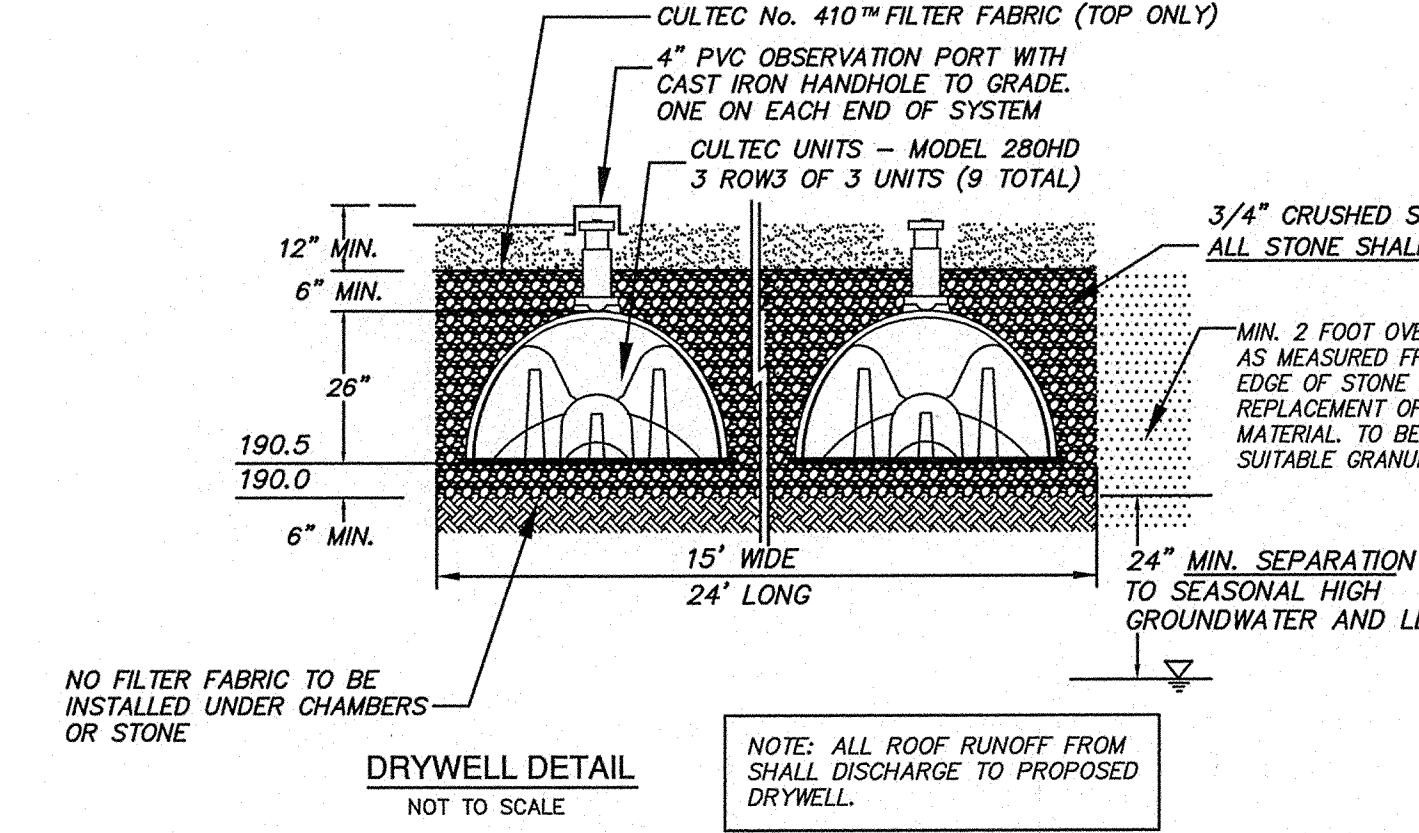
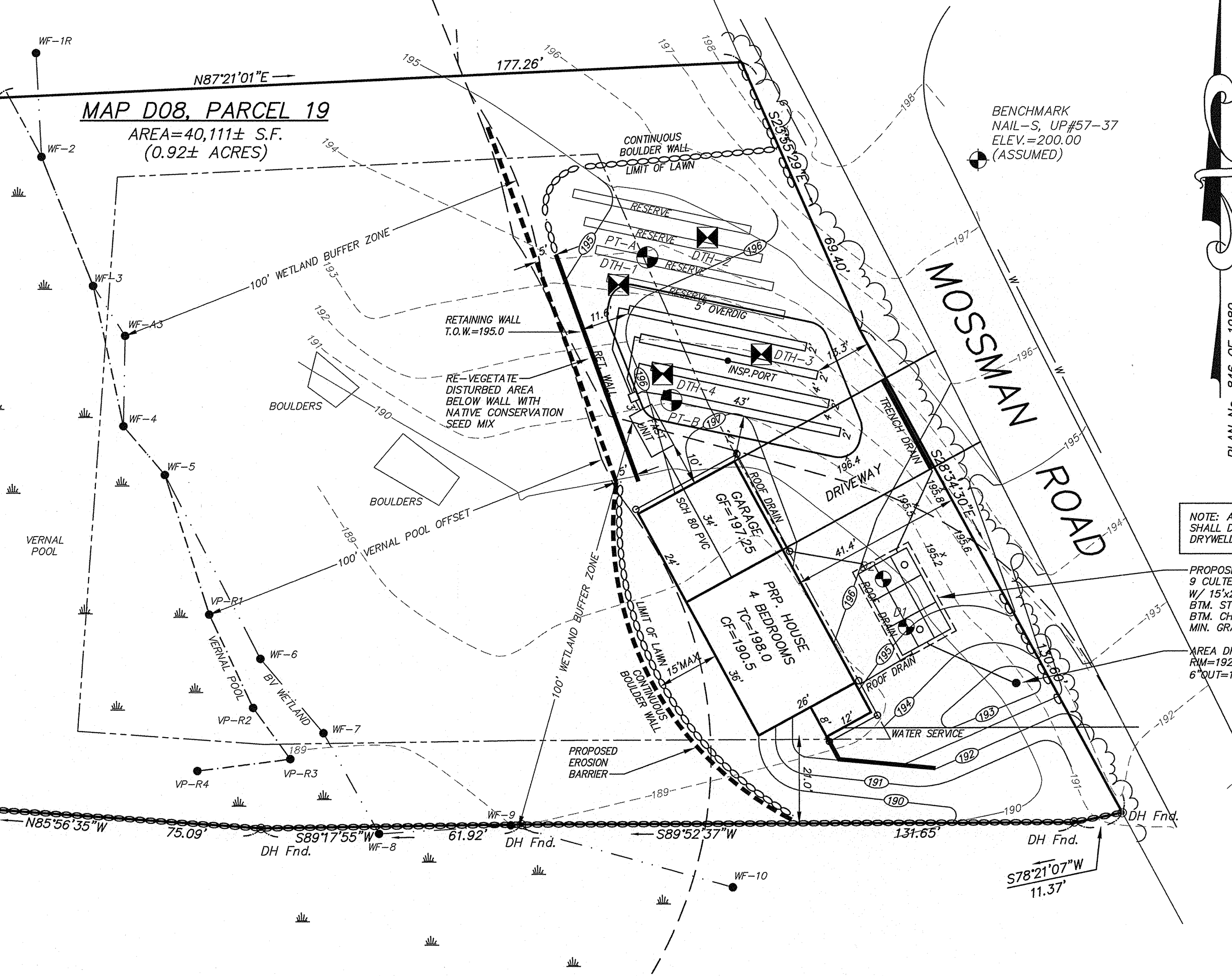


AREA DRAIN
NOT TO SCALE

SOURCE CONTROL / POLLUTION PREVENTION MEASURES:

- PER THE TOWN OF SUDBURY STORMWATER MANAGEMENT BYLAW REGULATIONS, THE FOLLOWING SOURCE CONTROL AND POLLUTION PREVENTION MEASURES SHALL BE EMPLOYED ON THE SITE TO PREVENT CONTAMINATION OF STORMWATER RUNOFF:
- STORE LAWN AND DEICING CHEMICALS UNDER COVER
 - APPLY FERTILIZERS AND PESTICIDES SPARINGLY TO PREVENT WASH-OFF
 - USE OF SLOW RELEASE NITROGEN AND LOW PHOSPHORUS FERTILIZERS IS ENCOURAGED
 - NO FERTILIZATION OR PESTICIDE APPLICATION IN OR NEAR ANY WETLAND RESOURCE AREA
 - DISPOSE OF PET WASTE PROPERLY
 - STORE, USE AND DISPOSE OF HOUSEHOLD HAZARDOUS WASTES PROPERLY
 - LIMIT EXTERIOR WASHINGS OF VEHICLES TO LOCATIONS THAT DRAIN TO PERVIOUS SURFACES AND AWAY FROM STORM DRAINS
 - MAINTAIN VEHICLES AND CLEAN UP FLUID SPILLS/DRIPS FROM PAVEMENT AREAS
 - PUMP AND MAINTAIN SEPTIC SYSTEMS
 - USE ALTERNATIVE DEICERS SUCH AS CALCIUM CHLORIDE AND MAGNESIUM CHLORIDE IN LIEU OF SODIUM BASED DEICERS
 - NO COAL TAR-BASED PAVEMENT SEALANTS ARE TO BE USED ON ANY SITE SUBJECT TO THE GSPM.

SITE PLAN
SCALE: 1" = 20'



DRYWELL DETAIL
NOT TO SCALE

DRAINAGE TEST HOLE LOGS

TEST HOLE D1 (ELEV.189.5)
0-9" A SANDY LOAM 10YR3/2
9-16" B LOAMY SAND 10YR 5/6
16-38" C MEDIUM SAND 2.5YR/4
MOTTLES: 22"
ESTIMATED GROUNDWATER=187.7

TEST HOLE D2 (ELEV. 189.7)
0-8" A SANDY LOAM 10YR3/2
8-18" B LOAMY SAND 10YR 5/6
18-40" C MEDIUM SAND 2.5YR/4
MOTTLES: 23"
ESTIMATED GROUNDWATER=187.8

TESTING DATE: 10/5/2018
PERFORMED BY: VITO COLONNA, P.E. (SE#2811)

NOTE: ALL ROOF RUNOFF FROM SHALL DISCHARGE TO PROPOSED DRYWELL.

PROPOSED DRYWELL
9 CULTEC R280 HD CHAMBERS W/ 15'X24'X3.2" STONE BED
BTM. STONE = 190.0
DTH CHAMBER 190.5
MIN. GRADE OVER = 194.5

AREA DRAIN
RW=192.5
6" OUT=191.5

GENERAL NOTES:

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- All native soil interfaces which will contact the SAS shall be scarified prior to placement of stone.

PERCOLATION TESTS

HOLE NO. & DATE	TOP ELEVATION	DEPTH (In.)	SATURATION (Min.)	12"-9" DROP (Min.)	9"-6" DROP (Min.)	PERC. RATE (Min./In.)
PT-A 8/24/17	193.5	61"	15 MIN	27 MIN	38 MIN	13 MIN/IN
PT-B 8/24/17	191.0	39"	15 MIN	16 MIN	25 MIN	9 MIN/IN

DEEP OBSERVATION HOLE LOG

NO. & DATE	DEPTH (In.)	SOIL HORIZON	TEXTURE (USDA)	COLOR (MUNSELL)	SOIL MOTTLING	OTHER
DTH-1 8/24/17	0-14"	Ap	FILL			
	14-20"	Bw	SANDY LOAM	10YR3/2		
	20-38"	Bp	LOAMY SAND	10YR6/8		
	38-108"	Ct	LOAMY SAND	2.5YR5/4		
PARENT MATERIAL: GLACIAL TILL DEPTH TO BEDROCK: 108" STANDING WATER: -- WEeping FROM PIT FACE: -- ESHWT: 183.9						
DTH-2 8/24/17	0-15"	Ap	FILL			
	15-19"	Bp	SANDY LOAM	10YR3/2		
	19-34"	Bw	LOAMY SAND	10YR6/8		
	34-95"	Ct	LOAMY SAND	2.5YR5/4		50"
PARENT MATERIAL: GLACIAL TILL DEPTH TO BEDROCK: 95" STANDING WATER: -- WEeping FROM PIT FACE: -- ESHWT: 190.4						
DTH-3 8/24/17	0-8"	Ap	SANDY LOAM	10YR3/2		
	8-37"	Bw	LOAMY SAND	10YR6/8		
	37-65"	Ct	LOAMY SAND	10YR6/8		50"
	65-93"	C2	LOAMY SAND	2.5YR5/4		
PARENT MATERIAL: GLACIAL TILL DEPTH TO BEDROCK: 93" STANDING WATER: -- WEeping FROM PIT FACE: -- ESHWT: 187.9						
DTH-4 8/24/17	0-10"	Ap	SANDY LOAM	10YR3/2		
	10-31"	Bw	LOAMY SAND	10YR6/8		
	31-62"	Ct	LOAMY SAND	10YR6/8		52"
	62-101"	C2	LOAMY SAND	2.5YR5/4		
PARENT MATERIAL: GLACIAL TILL DEPTH TO BEDROCK: 101" STANDING WATER: -- WEeping FROM PIT FACE: -- ESHWT: 187.2						

I certify that I have passed the examination approved by the department of Environmental Protection and that the above analysis has been performed by me consistent with the required training, expertise, and experience described in 310 CMR 15.01B(2).
Certified: _____

APPLICANT
DORIS SMITH

LOCATION
137 MOSSMAN ROAD
SUDBURY, MA
ASSESSORS MAP 08 & PARCEL 19

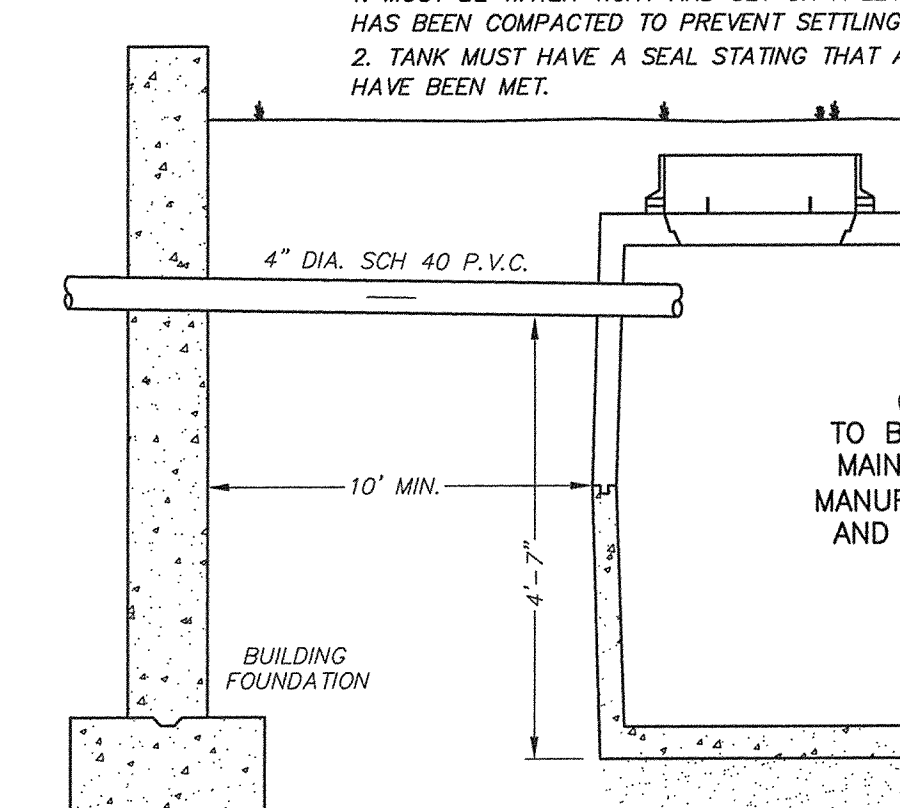
NO.	DATE	REVISION	BY:
4.	1-30-19	CONSERVATION REVISIONS	VC
3.	10-10-18	DRAIN TEST HOLES	VC
2.	9-5-18	ROOF DRAIN SYSTEM	RM
1.	5-29-18	VERNAL POOL, NEW HOUSE	RM

PROPOSED SEWAGE DISPOSAL SYSTEM

SULLIVAN, CONNORS AND ASSOCIATES
LAND SURVEYING AND CIVIL ENGINEERING
121 BOSTON POST RD. SUDBURY, MA. 01776
PHONE: 978-443-9566 FAX: 978-443-8915

DATE: 9/8/17 SHEET 1 OF 2

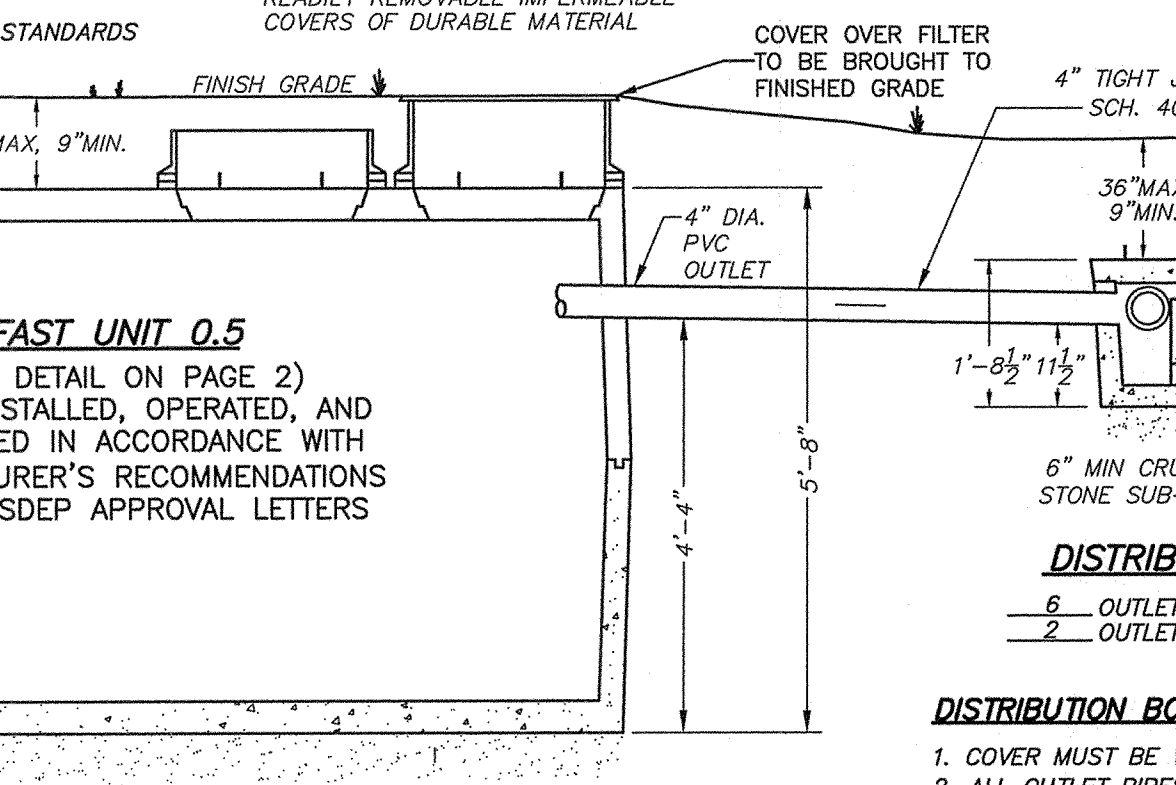
SEPTIC TANK NOTES



BUILDING SEWER NOTES

- SEWER LINE MUST BE LAID ON A FIRM COMPACTED BASE.
- PIPE MUST BE SLOPED AT A MIN. OF 1% (2% PREFERRED)
- PIPE MUST BE LAID ON A CONTINUOUS UNIFORM GRADIENT.

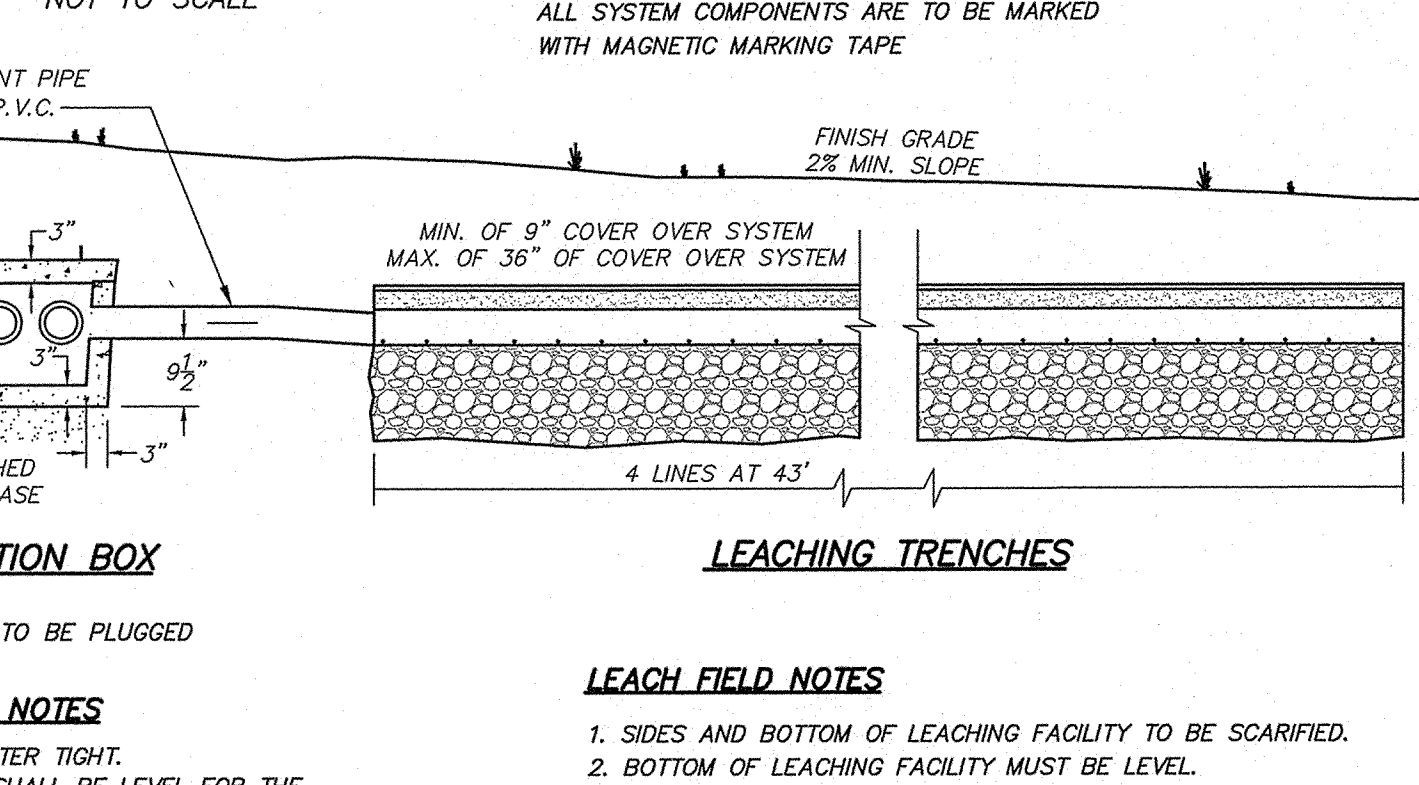
SYSTEM PROFILE
NOT TO SCALE



DISTRIBUTION BOX NOTES

- COVER MUST BE WATER TIGHT.
- ALL OUTLET PIPES SHALL BE LEVEL FOR THE FIRST 2' OUT OF THE D-BOX. ALL OUTLET PIPES TO BE AT THE SAME ELEVATION.
- SOIL MUST BE COMPACTED UNDER "D" BOX TO PREVENT SETTLING.

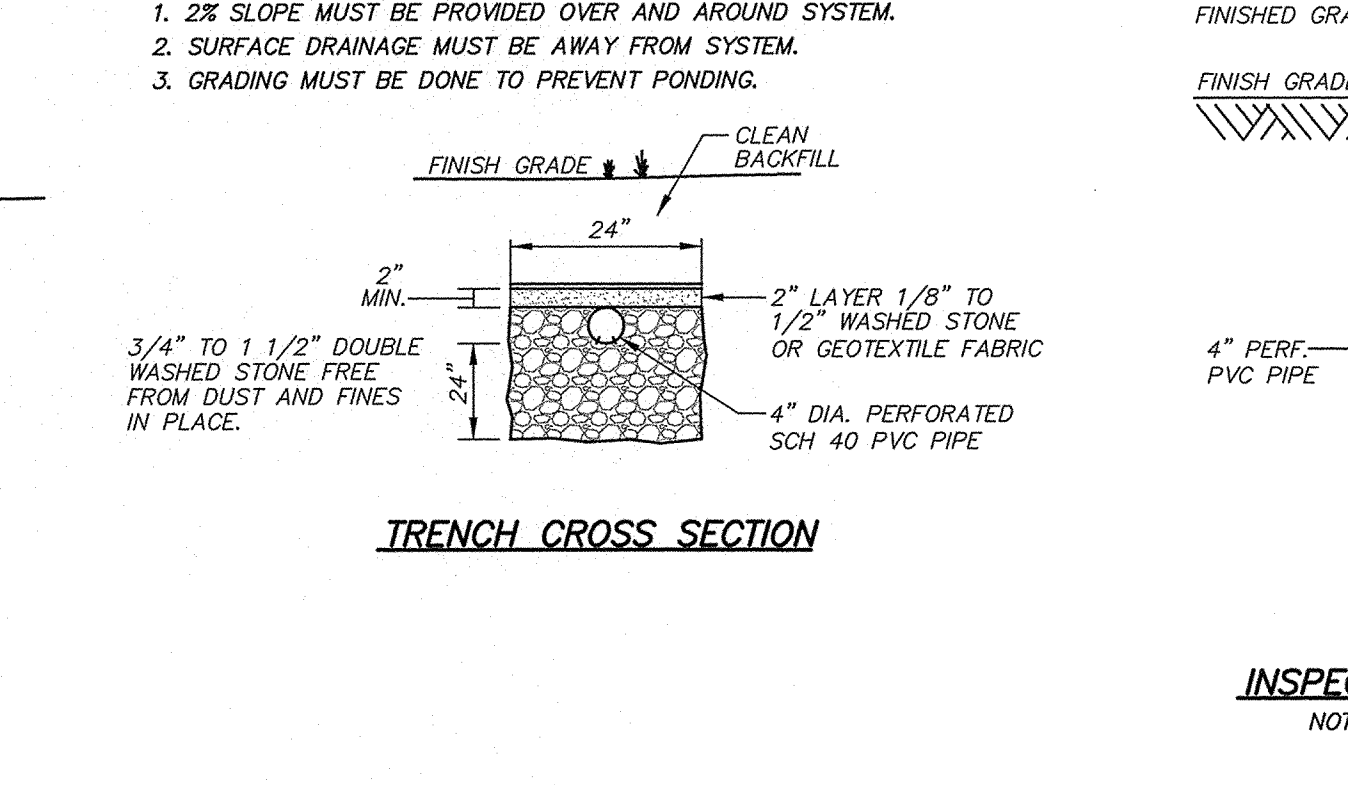
LEACH FIELD NOTES



LEACH FIELD NOTES

- SIDES AND BOTTOM OF LEACHING FACILITY TO BE SCARIFIED.
- BOTTOM OF LEACHING FACILITY MUST BE LEVEL.
- PIPING SHALL BE SCH 40 P.V.C. WITH TIGHT JOINTS.
- THE ORIFICES OF THE PIPE MUST BE 3/8" - 5/8".
- VENT REQUIRED IF LEACH LINES ARE GREATER THAN 50'.

FINAL GRADING NOTES



TRENCH CROSS SECTION

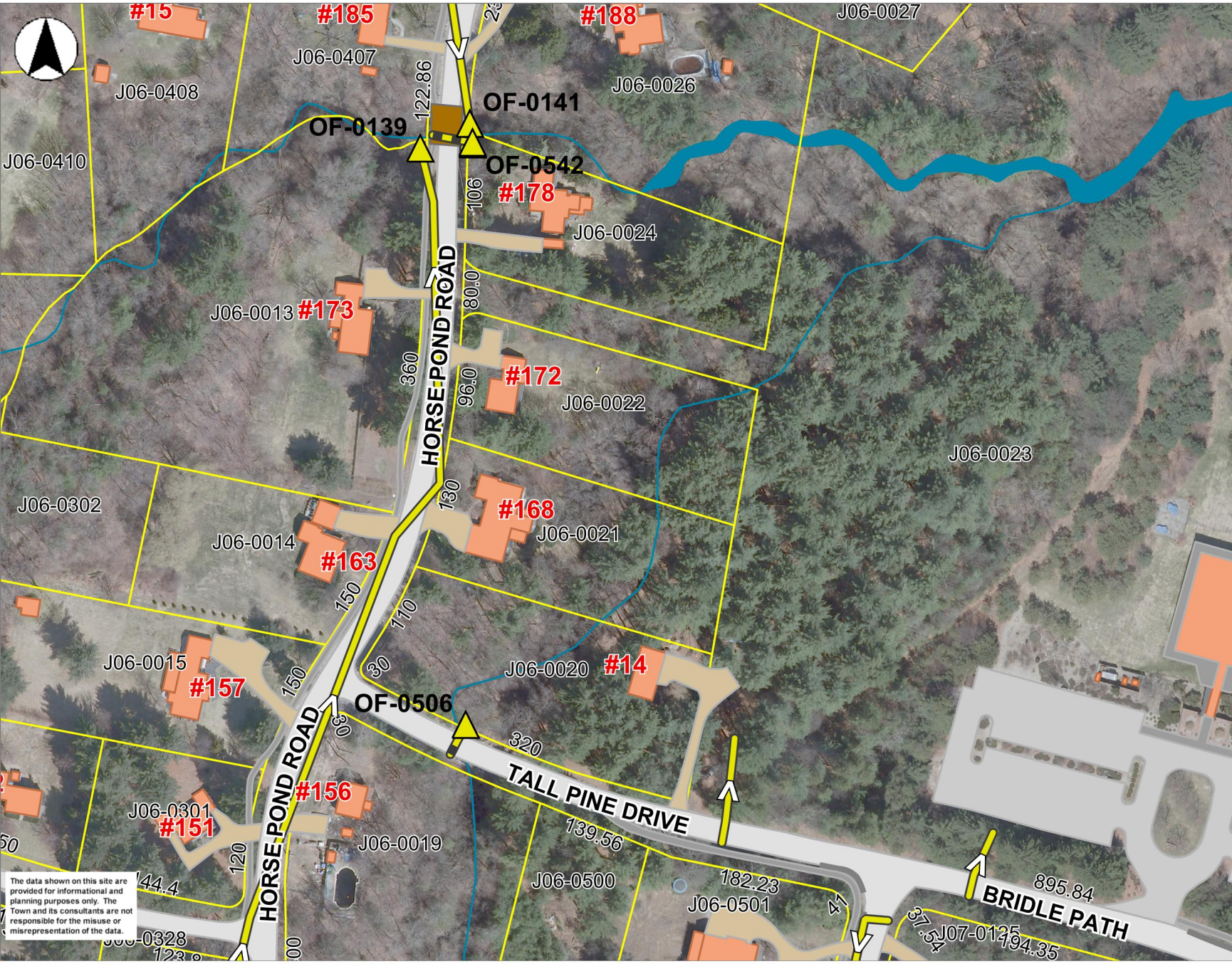
3/4" TO 1 1/2" DOUBLE WASHED STONE FREE FROM DUST AND FINES IN PLACE.

2" LAYER 1/8" TO 1/2" WASHED STONE OR GEOTEXTILE FABRIC

4" DIA. PERFORATED SCH 40 PVC PIPE

4" PERF. PVC PIPE

INSPECTION PORT
NOT TO SCALE



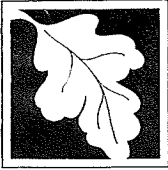
- CompletePipes - swDischa
- CompletePipes - swInlets
- CompletePipes - swMantho
- CompletePipes - swNetwor
- CompletePipes - swBMPs
- CompletePipes - swContro
- CompletePipes - swSystem
- CompletePipes - swFittings
- CompletePipes - swPumps
- CompletePipes - swCulvert
- CompletePipes - swOpenD
- CompletePipes - swPressu
- CompletePipes - swGraviti
- Bridges
- Driveways
- Parking Lots
- Medians
- Sidewalks
- Curbs
- Roads
 - Paved Roads
 - UnPaved Roads
- Parcels with Orthos
- Scenic Roads
- Streams Ortho
- Streams CIR
- Lake/Reservoir
- Buildings
- MA Highways
 - Interstate
 - US Highway
 - Numbered Routes
- Town Boundary

The data shown on this site are provided for informational and planning purposes only. The Town and its consultants are not responsible for the misuse or misrepresentation of the data.

0 170 340 ft

Printed on 03/08/2019 at 12:42 PM

MapsOnline



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

A. General Information

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Applicant:

Gravestar Inc. - Mike Doherty

Name

E-Mail Address

160 Second Street

Mailing Address

Cambridge

City/Town

MA

State

Zip Code

671 970 9484

Phone Number

Fax Number (if applicable)

2. Representative (if any):

M. J. DiModica Excavating

Firm

Mike DiModica

Contact Name

mjdimodica@verizon.net

E-Mail Address

19 Christopher Lane

Mailing Address

Sudbury

City/Town

MA

State

01776

Zip Code

978 443 8433

Phone Number

978 443 0682

Fax Number (if applicable)

B. Determinations

1. I request the Sudbury Conservation Commission make the following determination(s). Check any that apply:

- a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance** or **bylaw** of:

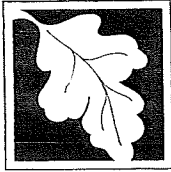
Name of Municipality

- e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).

Received

FEB 14 2019

Sudbury Conservation Department



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

509 Boston Post Road	Sudbury
Street Address	City/Town
K 07	005
Assessors Map/Plat Number	Parcel/Lot Number

b. Area Description (use additional paper, if necessary):

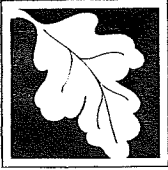
The area is a commercial zoned parcel improved by multi use retail and commercial sales buildings.

c. Plan and/or Map Reference(s):

Subsurface Sewage Disposal System	02/11/19
Title	Date
_____	_____
Title	Date
_____	_____
Title	Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

The project consists of replacing the westerly side of the existing subsurface sewage disposal system. The existing pavement and hardscape features located over the system shall be removed. The existing trenches shall be excavated and removed offsite. New trenches shall be installed and all of the hardscape and pavement shall be repaired and no increase in impervious areas is proposed.



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- Single family house on a lot recorded on or before 8/1/96
- Single family house on a lot recorded after 8/1/96
- Expansion of an existing structure on a lot recorded after 8/1/96
- Project, other than a single family house or public project, where the applicant owned the lot before 8/7/96
- New agriculture or aquaculture project
- Public project where funds were appropriated prior to 8/7/96
- Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- Residential subdivision; institutional, industrial, or commercial project
- Municipal project
- District, county, state, or federal government project
- Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

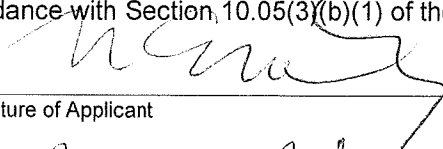
Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

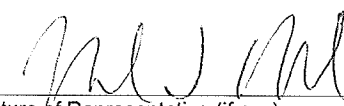
Name and address of the property owner:

Wellyn Inc. - Sudbury Plaza C/O Gravestar Inc.
 Name
 160 Second Street
 Mailing Address
 Cambridge
 City/Town
 MA
 State
 02142
 Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.


 Signature of Applicant
 Date 2/12/19


 Signature of Representative (if any)
 Date 2/12/19

BRAL

END LATERAL CLEAN OUT DETAIL
NTS.

100 FT BUFFER ZONE

ACCESS ROAD

2" ϕ BALL VALVE AT END OF LATERAL (TYP)
SEE DETAIL ABOVE

RETAINING WALL

EDGE OF PAVEMENT

NOBSCOT ROAD

50 FT OFFSET TO WETLAND

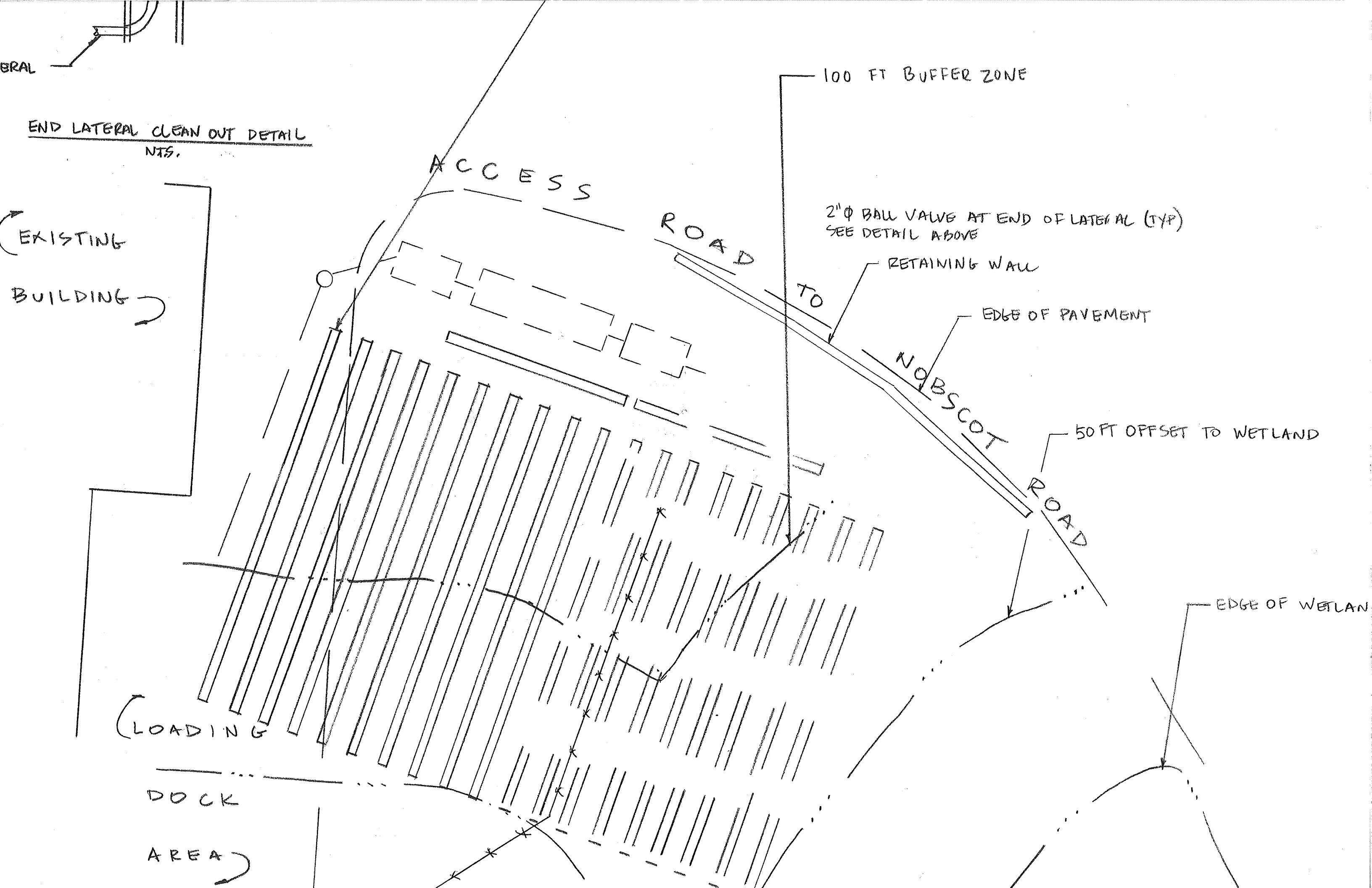
EDGE OF WETLAND

EXISTING BUILDING

LOADING DOCK AREA

DOCK AREA

AREA





Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

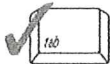
Sudbury
City/Town

WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

A. General Information

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



1. Applicant:

Brendan Brodeur Name brodeur.brendan@gmail.com E-Mail Address
172 Horse Pond Rd Mailing Address
Sudbury City/Town MA State 01776 Zip Code
860-716-7122 Phone Number - Fax Number (if applicable)

2. Representative (if any):

N/A Firm
 _____ Contact Name _____ E-Mail Address
 _____ Mailing Address
 _____ City/Town _____ State _____ Zip Code
 _____ Phone Number _____ Fax Number (if applicable)

B. Determinations

1. I request the Sudbury Conservation Commission make the following determination(s). Check any that apply:

- a. whether the **area** depicted on plan(s) and/or map(s) referenced below is an area subject to jurisdiction of the Wetlands Protection Act.
- b. whether the **boundaries** of resource area(s) depicted on plan(s) and/or map(s) referenced below are accurately delineated.
- c. whether the **work** depicted on plan(s) referenced below is subject to the Wetlands Protection Act.
- d. whether the area and/or work depicted on plan(s) referenced below is subject to the jurisdiction of any **municipal wetlands ordinance or bylaw** of:

Sudbury
Name of Municipality

- e. whether the following **scope of alternatives** is adequate for work in the Riverfront Area as depicted on referenced plan(s).

Sudbury Conservation Department

FEB 26 2019

Received

*Logged in database
2/26/19
MD*



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description

1. a. Project Location (use maps and plans to identify the location of the area subject to this request):

172 Horse Pond Road

Street Address

Sudbury

City/Town

71214-24

Assessors Map/Plat Number

JOB - 0022

Parcel/Lot Number

b. Area Description (use additional paper, if necessary):

Right side of single family house built in 1953, vegetated area next to house.

c. Plan and/or Map Reference(s):

GIS Map with measurements

Title

2/21/19

Date

GIS Map aerial photo

Title

2/25/19

Date

Hand-drawn map

Title

2/25/19

Date

2. a. Work Description (use additional paper and/or provide plan(s) of work, if necessary):

Removal of five tall pine trees, one of which is dead (see tree #3 on hand-drawn map). Trees are a safety hazard for falling on the house, particularly baby nursery on right side of house. Tree stumps to remain. Five trees are marked on hand-drawn map and see attached letter for further information on trees. Tree branches destroyed exterior air conditioning unit for previous homeowner and was replaced in 2012.



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

C. Project Description (cont.)

b. Identify provisions of the Wetlands Protection Act or regulations which may exempt the applicant from having to file a Notice of Intent for all or part of the described work (use additional paper, if necessary).

N/A

3. a. If this application is a Request for Determination of Scope of Alternatives for work in the Riverfront Area, indicate the one classification below that best describes the project.

- Single family house on a lot recorded on or before 8/1/96
- Single family house on a lot recorded after 8/1/96
- Expansion of an existing structure on a lot recorded after 8/1/96
- Project, other than a single family house or public project, where the applicant owned the lot before 8/7/96
- New agriculture or aquaculture project
- Public project where funds were appropriated prior to 8/7/96
- Project on a lot shown on an approved, definitive subdivision plan where there is a recorded deed restriction limiting total alteration of the Riverfront Area for the entire subdivision
- Residential subdivision; institutional, industrial, or commercial project
- Municipal project
- District, county, state, or federal government project
- Project required to evaluate off-site alternatives in more than one municipality in an Environmental Impact Report under MEPA or in an alternatives analysis pursuant to an application for a 404 permit from the U.S. Army Corps of Engineers or 401 Water Quality Certification from the Department of Environmental Protection.

b. Provide evidence (e.g., record of date subdivision lot was recorded) supporting the classification above (use additional paper and/or attach appropriate documents, if necessary.)



WPA Form 1- Request for Determination of Applicability

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

D. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Request for Determination of Applicability and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge.

I further certify that the property owner, if different from the applicant, and the appropriate DEP Regional Office were sent a complete copy of this Request (including all appropriate documentation) simultaneously with the submittal of this Request to the Conservation Commission.

Failure by the applicant to send copies in a timely manner may result in dismissal of the Request for Determination of Applicability.

Name and address of the property owner:

Brendan Bradew
Name
172 Horse Past Road
Mailing Address
Sudbury
City/Town
MA
State
01776
Zip Code

Signatures:

I also understand that notification of this Request will be placed in a local newspaper at my expense in accordance with Section 10.05(3)(b)(1) of the Wetlands Protection Act regulations.

B. J. B.
Signature of Applicant
2/25/19
Date

Signature of Representative (if any)

Date

Rusty's Tree Service
539 Hudson Road
Sudbury, MA 01776
978-443-9469

February 23, 2019

To Whom It May Concern:

I am writing this letter regarding trees located at 172 Horsepond Road in Sudbury, MA. I recently evaluated trees on this property and in my professional opinion, there are five pine trees on the right side of the house that are a potential safety hazard.

I have over 20 years experience in tree removal and evaluation. The trees in question are multi-liter crotched pines. These type of trees are known to break or fail. The five trees in question are leaning toward the house with branches over the house. One of the trees is dead.

In my professional opinion, it would be best if these trees were taken down.

Please let me know if you need any further information.

Thank you.

Sincerely,



Walter Bent Jr.
President

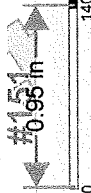


- Parcels
- Wetlands Town 2008
- Open Water
- Deep Marsh
- Shallow Marsh/Mead
- Bog
- Shrub Swamp
- Wooded Swamp
- Wooded Swamp Csr
- Wooded Swamp Mix
- Wetlands DEP 1/2008
- Marsh/Bog
- Wooded marsh
- Open Water
- Streams CIR
- Streams CIR
- Lake/Reservoir
- Buildings

Map provided online at the following address:
<https://www.mapsonline.net/sudbury/ma/index.htm#x=-7952454.545084,5216722.802896,-7952046.661879,5216909.416735>

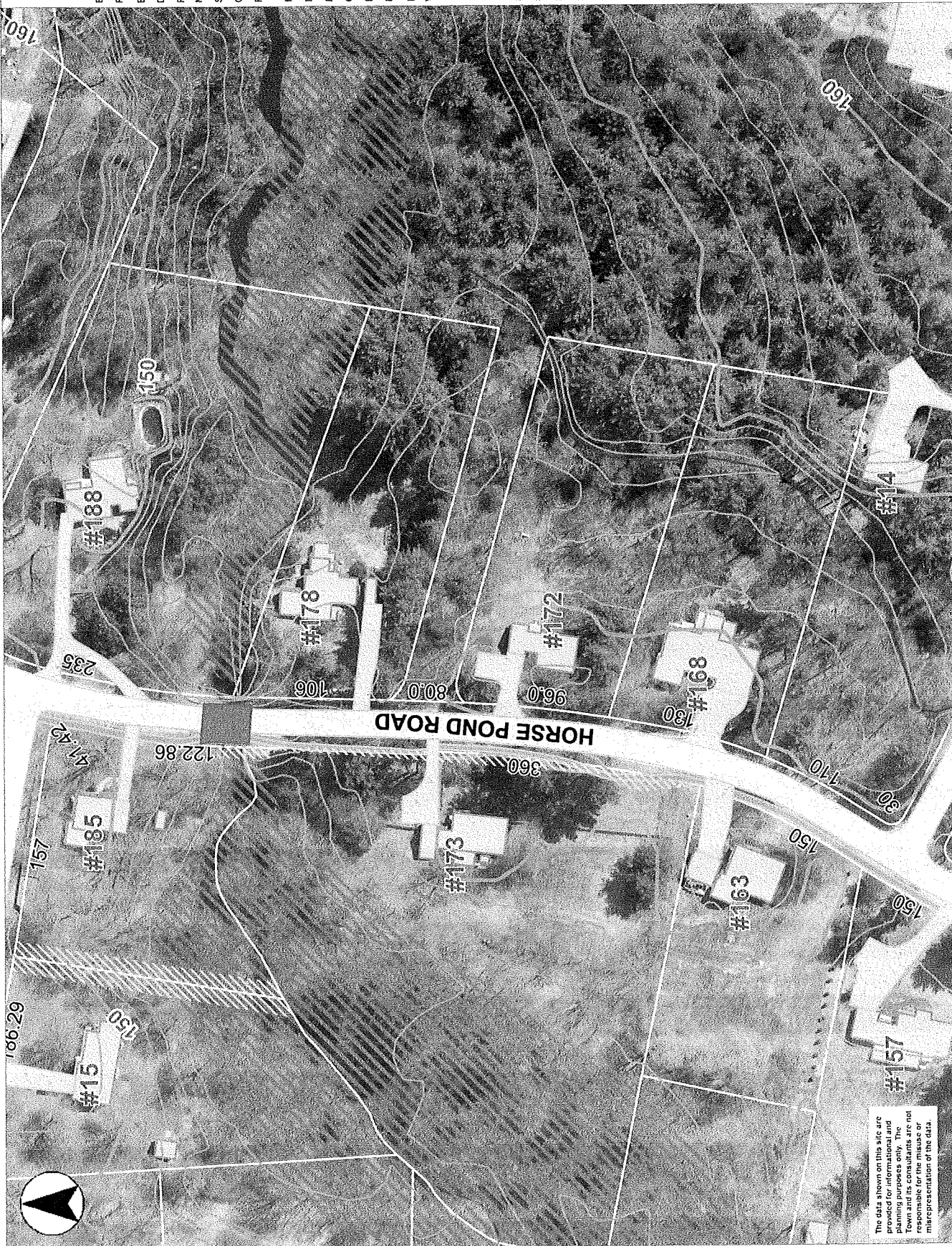


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- Easements
- Restrictions
- Bridges
- Driveways
- Parking Lots
- Medians
- Sidewalks
- Culds
- Roads
 - Paved Roads
 - UnPaved Roads
- Index Contours
- Intermediate Contours
- Parcels with Orthes
- Certified Vernal Pools
- Estimated Habitats of Rare
- Potential Vernal Pools - 12
- Priority Habitats of Rare St.
- Wellands Town 2008
 - Open Water
 - Deep Marsh
 - Shallow Marsh/Mead
 - Bog
 - Shrub Swamp
 - Wooded Swamp - Dec
 - Wooded Swamp - Cor
 - Wooded Swamp Mix
 - Streams Ortho
- Streams CIR
- Lake/Reservoir
- Buildings
- MA Highways
 - US Highway
 - Interstate
 - Numbered Routes
- Town Boundary

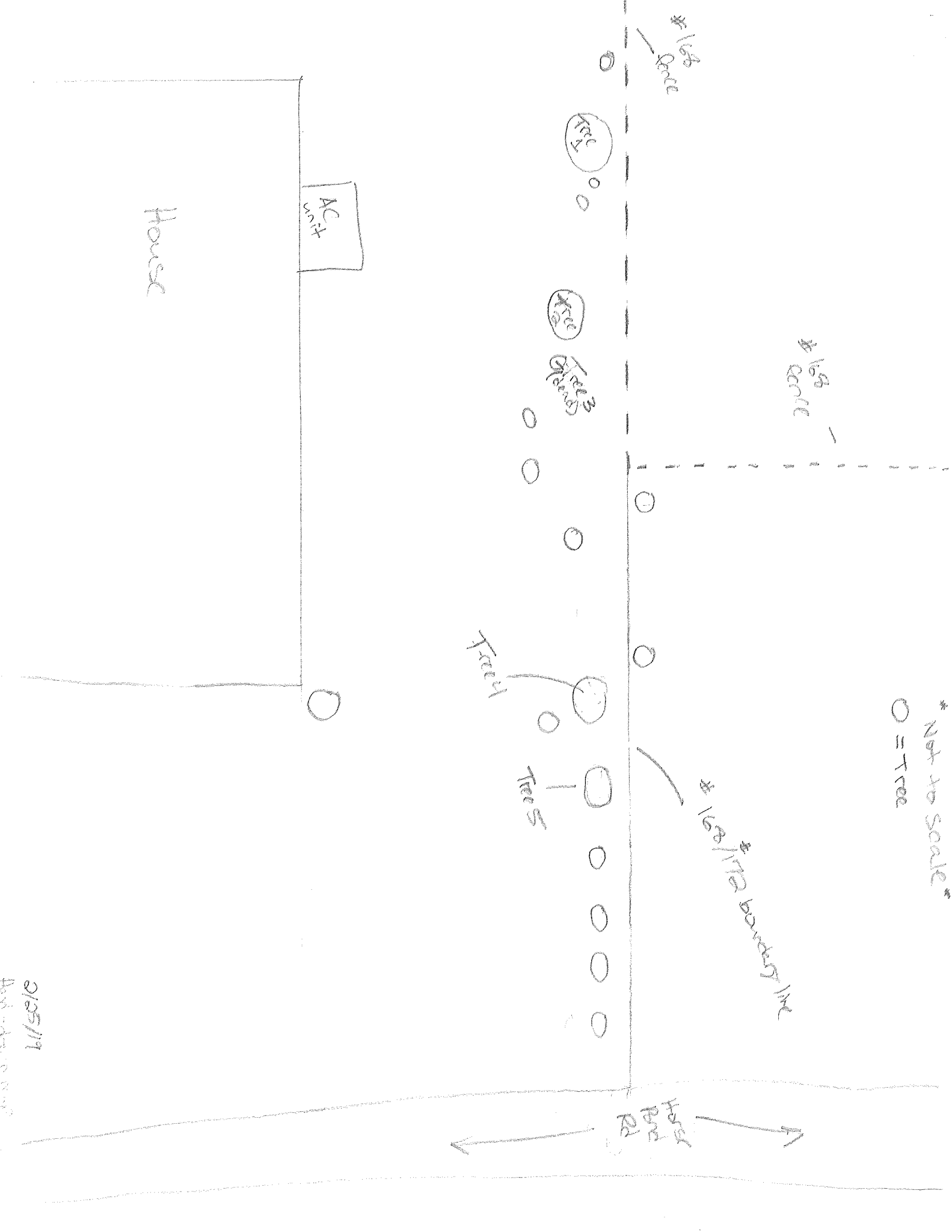


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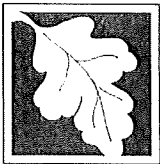


Printed on 02/25/2019 at 07:34 PM

* Not to scale *
○ = Tree



2/25/17
And - draw map



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Provided by MassDEP:

WPA Form 3 – Notice of Intent

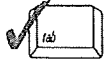
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40
& Town of Needham Wetlands Bylaw Section 6

MassDEP File Number

Document Transaction Number

Sudbury Water District
City/Town

Important:
When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Note:
Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

End of Tanbark Road
a. Street Address

Sudbury
b. City/Town

01776
c. Zip Code

Latitude and Longitude:
d. Latitude

H05-0028
f. Assessors Map/Plat Number

e. Longitude

g. Parcel /Lot Number

2. Applicant:

Vincent
a. First Name

Roy
b. Last Name

Sudbury Water District
c. Organization

199 Raymond Road
d. Street Address

Sudbury
e. City/Town

MA
f. State

01776
g. Zip Code

(978) 443-6602 (978) 443-9578
h. Phone Number

vroy@sudburywater.com
j. Email Address

3. Property owner (required if different from applicant): Check if more than one owner

Sudbury Water District
a. First Name

b. Last Name

c. Organization

199 Raymond Road
d. Street Address

Sudbury
e. City/Town

MA
f. State

01776
g. Zip Code

(978) 443-6602 (978) 443-9578
h. Phone Number i. Fax Number

vroy@sudburywater.com
j. Email address

4. Representative (if any):

Vincent
a. First Name

Roy
b. Last Name

Sudbury Water District
c. Company

199 Raymond Road
d. Street Address

Sudbury
e. City/Town

MA
f. State

01776
g. Zip Code

(978) 443-6602 (978) 443-9578
h. Phone Number i. Fax Number

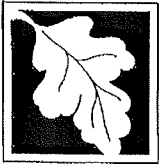
vroy@sudburywater.com
j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

State & Town Project - Exempt
a. Total Fee Paid

b. State Fee Paid

c. City/Town Fee Paid



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Provided by MassDEP:

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40
& Town of Needham Wetlands Bylaw Section 6

MassDEP File Number

Document Transaction Number

Sudbury Water District

City/Town

A. General Information (continued)

6. General Project Description:

The work covered under this notice is for removal of silt deposited in the wetland area as a result of a water main break that occurred on 12/31/2018 at the intersection of Tanbark Road and Hemlock Road.

7a. Project Type Checklist:

- | | |
|---|---|
| 1. <input type="checkbox"/> Single Family Home | 2. <input type="checkbox"/> Residential Subdivision |
| 3. <input type="checkbox"/> Limited Project Driveway Crossing | 4. <input type="checkbox"/> Commercial/Industrial |
| 5. <input type="checkbox"/> Dock/Pier | 6. <input type="checkbox"/> Utilities – <i>Drainage System Repair</i> |
| 7. <input type="checkbox"/> Coastal Engineering Structure | 8. <input type="checkbox"/> Agriculture (e.g., cranberries, forestry) |
| 9. <input type="checkbox"/> Transportation | 10. <input checked="" type="checkbox"/> Other |

7b. Is any portion of the proposed activity eligible to be treated as a limited project subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1. Yes No If yes, describe which limited project applies to this project:

2. Limited Project

8. Property recorded at the Registry of Deeds for:

Middlesex

a. County

b. Certificate # (if registered land)

Un-named brook

c. Book

d. Page Number

B. Buffer Zone & Resource Area Impacts (temporary & permanent)

- Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input checked="" type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input checked="" type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input checked="" type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40
& Town of Needham Wetlands Bylaw Section 6

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

Sudbury Water District
City/Town

B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
d. <input checked="" type="checkbox"/> Bordering Land Subject to Flooding	1. square feet _____ 3. cubic feet of flood storage lost _____	2. square feet _____ 4. cubic feet replaced _____
e. <input checked="" type="checkbox"/> Isolated Land Subject to Flooding	1. square feet _____ 2. cubic feet of flood storage lost _____	3. cubic feet replaced _____
f. <input checked="" type="checkbox"/> Riverfront Area	<u>Various</u> 1. Name of Waterway (if available) _____ 2. Width of Riverfront Area (check one): <input type="checkbox"/> 25 ft. - Designated Densely Developed Areas only <input type="checkbox"/> 100 ft. - New agricultural projects only <input type="checkbox"/> 200 ft. - All other projects	
	3. Total area of Riverfront Area on the site of the proposed project:	<u>100</u> square feet
	4. Proposed alteration of the Riverfront Area: a. total square feet _____ b. square feet within 100 ft. _____ c. square feet between 100 ft. and 200 ft. _____	
	5. Has an alternatives analysis been done and is it attached to this NOI?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	6. Was the lot where the activity is proposed created prior to August 1, 1996?	<input type="checkbox"/> Yes <input type="checkbox"/> No
3. <input type="checkbox"/> Coastal Resource Areas: (See 310 CMR 10.25-10.35)		

Check all that apply below. Attach narrative and supporting documentation describing how the project will meet all performance standards for each of the resource areas altered, including standards requiring consideration of alternative project design or location.

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	1. square feet _____ 2. cubic yards dredged _____	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	1. square feet _____	2. cubic yards beach nourishment _____
e. <input type="checkbox"/> Coastal Dunes	1. square feet _____	2. cubic yards dune nourishment _____



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40
& Town of Needham Wetlands Bylaw Section 6

MassDEP File Number _____

Document Transaction Number _____

Sudbury Water District
City/Town _____

B. Buffer Zone & Resource Area Impacts (temporary & permanent) (cont'd)

	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	

	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	

	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	_____	
	1. square feet	
4. <input type="checkbox"/> Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
	_____	_____
	a. square feet of BWV	b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings		
	_____	_____
	a. number of new stream crossings	b. number of replacement stream crossings

C. Other Applicable Standards and Requirements

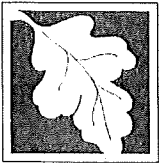
Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** as indicated on the most recent Estimated Habitat Map of State-Listed Rare Wetland Wildlife published by the Natural Heritage and Endangered Species Program (NHESP)? To view habitat maps, see the *Massachusetts Natural Heritage Atlas* or go to http://www.mass.gov/dfwele/dfw/nhESP/regulatory_review/priority_habitat/online_viewer.htm.

a. Yes No **If yes, include proof of mailing or hand delivery of NOI to:**

No work around
Sudbury River
Proposed at this
time. Map: 2019

Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
Route 135, North Drive
Westborough, MA 01581



WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40
& Town of Needham Wetlands Bylaw Section 6

MassDEP File Number _____

Document Transaction Number _____

Sudbury Water District _____

City/Town _____

C. Other Applicable Standards and Requirements (cont'd)

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.C, and include requested materials with this Notice of Intent (NOI); OR complete Section C.1.d, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

1. c. Submit Supplemental Information for Endangered Species Review*

1. Percentage/acreage of property to be altered:

(a) within wetland Resource Area

percentage/acreage _____

(b) outside Resource Area

percentage/acreage _____

2. Assessor's Map or right-of-way plan of site

3. Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work ****

(a) Project description (including description of impacts outside of wetland resource area & buffer zone)

(b) Photographs representative of the site

(c) MESA filing fee (fee information available at:

http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/mesa/mesa_fee_schedule.htm).

Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** at above address

Projects altering 10 or more acres of land, also submit:

(d) Vegetation cover type map of site

(e) Project plans showing Priority & Estimated Habitat boundaries

d. OR Check One of the Following

1. Project is exempt from MESA review.

Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/mesa/mesa_exemptions.htm; the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2. Separate MESA review ongoing.

a. NHESP Tracking # _____

b. Date submitted to NHESP _____

* Some projects not in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <http://www.mass.gov/dfwele/dfw/nhosp/nhosp.htm>, regulatory review tab). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

** MESA projects may not be segmented (321 CMR 10.16). The applicant must disclose full development plans even if such plans are not required as part of the Notice of Intent process.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Provided by MassDEP:

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C. Other Applicable Standards and Requirements (cont'd)

3. Separate MESA review completed.
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.
2. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?
- a. Not applicable – project is in inland resource area only
- b. Yes No If yes, include proof of mailing or hand delivery of NOI to either:
- | | |
|---|--|
| South Shore - Cohasset to Rhode Island, and the Cape & Islands: | North Shore - Hull to New Hampshire: |
| Division of Marine Fisheries - Southeast Marine Fisheries Station
Attn: Environmental Reviewer
1213 Purchase Street – 3rd Floor
New Bedford, MA 02740-6694 | Division of Marine Fisheries - North Shore Office
Attn: Environmental Reviewer
30 Emerson Avenue
Gloucester, MA 01930 |

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.

3. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?
- a. Yes No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.
- b. ACEC
4. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?
- a. Yes No
5. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?
- a. Yes No
6. Is this project subject to provisions of the MassDEP Stormwater Management Standards?
- a. Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:
1. Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)
 2. A portion of the site constitutes redevelopment
 3. Proprietary BMPs are included in the Stormwater Management System.
- b. No. Check why the project is exempt: **Not Applicable – existing stormwater culvert & drainage swale maintenance**
1. Single-family house

Online Users:
Include your document transaction number (provided on your receipt page) with all supplementary information you submit to the Department.



Massachusetts Department of Environmental Protection
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City/Town

C. Other Applicable Standards and Requirements (cont'd)

- 2. Emergency road repair
- 3. Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

D. Additional Information

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

Online Users: Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

- 1. USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
- 2. Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.
- 3. Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.
- 4. List the titles and dates for all plans and other materials submitted with this NOI.

Town of Sudbury, Massachusetts, PeopleGIS map

a. Plan Title

Sudbury Water District and Town of Sudbury

b. Prepared By

December 2007

d. Final Revision Date

Sudbury Water District/ Silt Removal Plan Attachment 1, and Site Map

Attachment 2

c. Signed and Stamped by

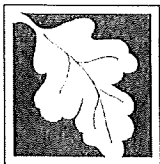
1"=400 Feet

e. Scale

February, 2019

g. Date

- 5. If there is more than one property owner, please attach a list of these property owners not listed on this form.
- 6. Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
- 7. Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
- 8. Attach NOI Wetland Fee Transmittal Form
- 9. Attach Stormwater Report, if needed.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands

Provided by MassDEP:

WPA Form 3 – Notice of Intent

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40
& Town of Needham Wetlands Bylaw Section 6

MassDEP File Number

Document Transaction Number

Sudbury Water District
City/Town

E. Fees

- 1. Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation Authority.

Applicants must submit the following information (in addition to pages 1 and 2 of the NOI Wetland Fee Transmittal Form) to confirm fee payment:

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name

F. Signatures and Submittal Requirements

I hereby certify under the penalties of perjury that the foregoing Notice of Intent and accompanying plans, documents, and supporting data are true and complete to the best of my knowledge. I understand that the Conservation Commission will place notification of this Notice in a local newspaper at the expense of the applicant in accordance with the wetlands regulations, 310 CMR 10.05(5)(a).

I further certify under penalties of perjury that all abutters were notified of this application, pursuant to the requirements of M.G.L. c. 131, § 40. Notice must be made by Certificate of Mailing or in writing by hand delivery or certified mail (return receipt requested) to all abutters within 100 feet of the property line of the project location.

1. Signature of Applicant *Vincent J. Roy*

February 28, 2019
2. Date

3. Signature of Property Owner (if different)

4. Date

5. Signature of Representative (if any)

6. Date

For Conservation Commission:

Two copies of the completed Notice of Intent (Form 3), including supporting plans and documents, two copies of the NOI Wetland Fee Transmittal Form, and the city/town fee payment, to the Conservation Commission by certified mail or hand delivery.

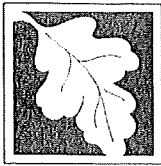
For MassDEP:

One copy of the completed Notice of Intent (Form 3), including supporting plans and documents, one copy of the NOI Wetland Fee Transmittal Form, and a copy of the state fee payment to the MassDEP Regional Office (see Instructions) by certified mail or hand delivery.

Other:

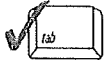
If the applicant has checked the "yes" box in any part of Section C, Item 3, above, refer to that section and the Instructions for additional submittal requirements.

The original and copies must be sent simultaneously. Failure by the applicant to send copies in a timely manner may result in dismissal of the Notice of Intent.



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



A. Applicant Information

1. Applicant:

Vincent _____ Roy _____
 a. First Name b. Last Name
 Sudbury Water District _____
 c. Organization
 199 Raymond Road _____
 d. Mailing Address
 Sudbury _____ MA _____ 01776 _____
 e. City/Town f. State g. Zip Code
 (978) 443-6602 (978) 443-9587 vroy@sudburywater.com _____
 h. Phone Number i. Fax Number j. Email Address

2. Property Owner (if different):

 a. First Name b. Last Name

 c. Organization

 d. Mailing Address

 e. City/Town f. State g. Zip Code

 h. Phone Number i. Fax Number j. Email Address

3. Project Location:

End of Tanbark Road _____ Sudbury _____
 a. Street Address b. City/Town

B. Fees

The fee should be calculated using the following six-step process and worksheet. **Please see Instructions before filling out worksheet.**

Step 1/Type of Activity: Describe each type of activity that will occur in wetland resource area and buffer zone.

Step 2/Number of Activities: Identify the number of each type of activity.

Step 3/Individual Activity Fee: Identify each activity fee from the six project categories listed in the instructions.

Step 4/Subtotal Activity Fee: Multiply the number of activities (identified in Step 2) times the fee per category (identified in Step 3) to reach a subtotal fee amount. Note: If any of these activities are in a Riverfront Area in addition to another Resource Area or the Buffer Zone, the fee per activity should be multiplied by 1.5 and then added to the subtotal amount.

Step 5/Total Project Fee: Determine the total project fee by adding the subtotal amounts from Step 4.

Step 6/Fee Payments: To calculate the state share of the fee, divide the total fee in half and subtract \$12.50. To calculate the city/town share of the fee, divide the total fee in half and add \$12.50.

To calculate filing fees, refer to the category fee list and examples in the instructions for filling out WPA Form 3 (Notice of Intent).



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Wetlands
NOI Wetland Fee Transmittal Form
Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

B. Fees (continued)

Step 1/Type of Activity	Step 2/Number of Activities	Step 3/Individual Activity Fee	Step 4/Subtotal Activity Fee
Removal of silt from local stream	1	Exempt	Exempt

Step 5/Total Project Fee: 0

Step 6/Fee Payments:

Total Project Fee: 0
a. Total Fee from Step 5

State share of filing Fee: 0
b. 1/2 Total Fee less \$12.50

City/Town share of filling Fee: 0
c. 1/2 Total Fee plus \$12.50

C. Submittal Requirements

a.) Complete pages 1 and 2 and send with a check or money order for the state share of the fee, payable to the Commonwealth of Massachusetts.

Department of Environmental Protection
Box 4062
Boston, MA 02211

b.) **To the Conservation Commission:** Send the Notice of Intent or Abbreviated Notice of Intent; a copy of this form; and the city/town fee payment.

To MassDEP Regional Office (see Instructions): Send a copy of the Notice of Intent or Abbreviated Notice of Intent; a copy of this form; and a copy of the state fee payment. (E-filers of Notices of Intent may submit these electronically.)

ATTACHMENT 1

Sudbury Water District
End of Tanbark Road NOI Filing
February 28, 2019

Silt Removal Work Plan

This Work Plan describes the work necessary to remove silt from the perennial stream at the end of Tanbark Road. The silt was deposited in the stream as a result from a water main break which occurred on December 31, 2018 at the intersection of Tanbark Road and Hemlock Road.

- Removal of sediment and debris collecting in brook will be performed both by hand and backhoe. There shall be no stockpiling of debris; all removed debris shall be brought to the Water District Facility at 199 Raymond Road. The estimated debris is about 3 yards of silt material for disposal.
- The removal will be done this March (frost) conditions to minimize the amount of turbidity flowing downstream pending ConCom approval.

Machinery: Machine equipment consists of a backhoe and dump truck. Normal operations require a minimum of 2-operators to perform the silt removal. One operator works the controls at the backhoe, the other operator drive the dump truck to haul the debris away from the site. Hand shoveling will be required to direct the debris to be removed.

Staging: See attached Plan Referenced, "End of Tanbark Road" showing the flood plain and perennial stream at the end of Tanbark Road. The area will be checked to make sure that there is sufficient clearance for the equipment to provide cleaning. At the inspection it will be determined if vegetation removal or tree pruning is required to ensure proper and safe access from the road.

If work is not done under dry, no-flow conditions, hay bales and/or supporting silt fence will be placed in a "U" shape along the sides of the brook embankment and approximately 60 feet downstream (or as determined by the Conservation Commission) of the culvert outfall to catch any materials that are dislodged and not trapped by the equipment. The silt fence will be anchored on either side of the embankment to fortify the hay bales or sand bags. Sediment and other debris collected behind the hay bales will be removed prior to removing the bales and silt fences. Hay bales and silt fences or sand bags will be removed following the completion of silt removal.

It may be necessary to divert water from the upstream side of the brook to the downstream side of the brook. In these instances, hay bales will be positioned

approximately 15 feet upstream as well as downstream of the culvert. A centrifugal or similar pump will displace water upstream of the hay bales on the upstream side of the brook and direct it downstream of the hay bales on the downstream side of the brook. Before discharging water, the displaced water will be passed through a hay bale berm or dirt bag to minimize sediment discharge.

Upon completion of the silt removal, disturbed areas along the embankment and within the channel will be stabilized. The disturbed soil areas will be dressed with additional topsoil (if necessary), compacted, and seed will be hand-cast. Following placement of seed, erosion control matting will be installed and the area will be watered. If necessary, the side slopes will be armored with riprap to stabilize the slope. Stone (peastone or gravel) may be placed in the channel if required by stabilization. Unless otherwise recommended by the Conservation Commission, 3-inch riprap will be used.

Dineen, Deborah

From: V Roy <vroy@sudburywater.com>
Sent: Friday, March 1, 2019 4:27 PM
To: Dineen, Deborah
Cc: T McAuliffe
Subject: RE: Tanbark Hearing Notice
Attachments: SWD-NOI Map Attachment 2.pdf; SWD-NOI Submittal Form 2-28-2019.pdf; SWD-NOI workplan-Attachment 1.pdf

Follow Up Flag: Flag for follow up
Flag Status: Flagged

Hi Deb,

Please find the attached NOI for silt removal at Tanbark Road. I'll be forwarding you a hard copy on Monday.

Have a great weekend,

Vin

Vincent J. Roy

Executive Director

Ph: 978-443-6602 fax: 978-443-9587

vroy@sudburywater.com

Sudbury Water District of Sudbury, Massachusetts

From: Dineen, Deborah [mailto:dineend@sudbury.ma.us]
Sent: Wednesday, February 27, 2019 4:27 PM
To: V Roy <vroy@sudburywater.com>
Subject: Tanbark Hearing Notice

This just went to the MetroWest News now.

SUDBURY WATER DISTRICT
NOI FILING FOR TANBARK ROAD/SILT REMOVAL
FEBRUARY 28, 2019

SITE MAP ATTACHMENT 2



GIS



100' 50 m

Map Info
Sudbury, MA, NAD 83
Feet, 2011



February 15, 2019

Sudbury Conservation Commission
Department of Public Works Building
275 Old Lancaster Road
Sudbury, MA 01776

Received
FEB 15 2019
Sudbury Conservation Department

**Re: Notice of Intent Application
87 Cudworth Lane, Sudbury, MA**

1. Introduction

Goddard Consulting, LLC (GC) is pleased to submit this Notice of Intent (NOI), on behalf of Navneet Hundal, for proposed habitat restoration activities at the parcel known as 87 Cudworth Lane in Sudbury, MA (Map E07, Lot 140). This application is a joint filing under the MA Wetlands Protection Act and the Sudbury Wetlands Administration Bylaw.

The purpose of this NOI is to perform habitat restoration activities required for compliance with two expired Orders of Conditions (OOC): DEP File #301-558 and 301-1165.

The applicant filed a Notice of Intent on 8/4/2014 in order to perform activities to close out an expired OOC (DEP File # 301-558) that had been issued on February 26, 1997 by the Sudbury Conservation Commission. The 1997 project was started, but never finished. The completed work included the construction of the driveway and detention basin within the drainage easement however the required planting plan was never implemented, the limit of lawn did not comply with the original approved plans and a wood bridge was constructed without approval. An OOC was issued on November 10, 2015 (DEP File #301-1165) with approved plans dated Rev. 10/20/2015. This OOC required the following:

1. the removal of a wooden bridge and retaining walls; **this was done properly.**
2. the lawn be re-graded; **this is proposed in the current NOI.**
3. the implementation of a Planting and Invasive Species Management Plan (PISMP); **this is proposed in the current NOI.**
4. the recording of a Conservation Restriction on the rear part of the property; **this was done properly.**
5. The OOC also permitted an addition to the existing house, but this addition was not constructed, and the applicant no longer intends to construct it.

2. Existing Conditions

The property consists of an existing single-family residence with associated driveway, lawn and landscaping. There is a detention basin south of the house which qualifies as a jurisdictional wetland resource area. East and south of the detention basin wetland is a large forested wetland that borders on a perennial stream. All of this forested wetland complex is located within a recorded Conservation Restriction.

3. Proposed Conditions

Specific project activities proposed in this NOI include:

- 1) Install erosion control barrier (silt fence) at the bottom of the slopes leading down to the basin where the re-grading will take place.
- 2) Re-grade the slopes above the old retaining walls and bridge in accordance with the elevations shown on the 10/20/2015 site plan.
- 3) Implement the Planting and Invasive Species Management Plan (PISMP). Add the specified shrubs and remove invasive species per the plan.

4. Documents Submitted for this NOI

Three hard copies of the NOI application are enclosed, and the titles of all the documents enclosed are as follows:

- WPA Form 3 with Wetland Fee Transmittal Form
- Copy of Checks
- Abutter's list and Map
- Notification to Abutters, Affidavit of Service
- *Orthophoto View of Site*. Goddard Consulting, LLC. 2/8/19
- *USGS Site Locus*. Goddard Consulting, LLC. 2/8/19
- *Order of Conditions for DEP File #301-1165*
- *Planting and Invasive Species Management Plan*. Goddard Consulting, LLC. 1/13/2016
- *Existing Conditions Plan*. Thomas Dipersio, Jr. & Associates, Inc. 6/22/15 (Rev. 10/20/15) (Annotated by Goddard Consulting)
- *Site Plans*. Thomas Dipersio, Jr. & Associates, Inc. 6/22/15 (Rev. 10/20/15) (Annotated by Goddard Consulting)

Please feel free to contact us if you have any questions.



Photo 1 - PISMP area west of existing bridge.



Photo 2 - PISMP area north of existing bridge.

2.0 Planting Plan Details

Under the PISMP, we propose that the impacted areas be planted with native shrub species as described below. The goal of this planting program is to prevent erosion on the constructed slope and to do this with native plants with high food value. The shrubs recommended are as follows.

# Plants	Common Name	Scientific Name	Initial Height
8	Gray Dogwood	<i>Cornus racemosa</i>	18-24
8	Common Juniper	<i>Juniperus communis</i>	18-24
8	Elderberry	<i>Sambucus canadensis</i>	18-24
24	TOTAL PLANTS	(distributed among two areas)	

For this sloped area juniper will give the best erosion control on the actual slopes. These can be complemented with Elderberry shrubs. Gray Dogwood can be used at the toe-of-the-slope for a dense brushy habitat that will support nesting and cover as well as food value. Species listed above may be substituted with other native shrubs upon approval by the Commission or its agent.

If growth of planted species fails to achieve 75% aerial coverage within two growing seasons, supplemental plantings and/or seed mixes will be specified by the monitoring scientist and reviewed by the Conservation Commission prior to planting.

3.0 Invasive Species Management Methods

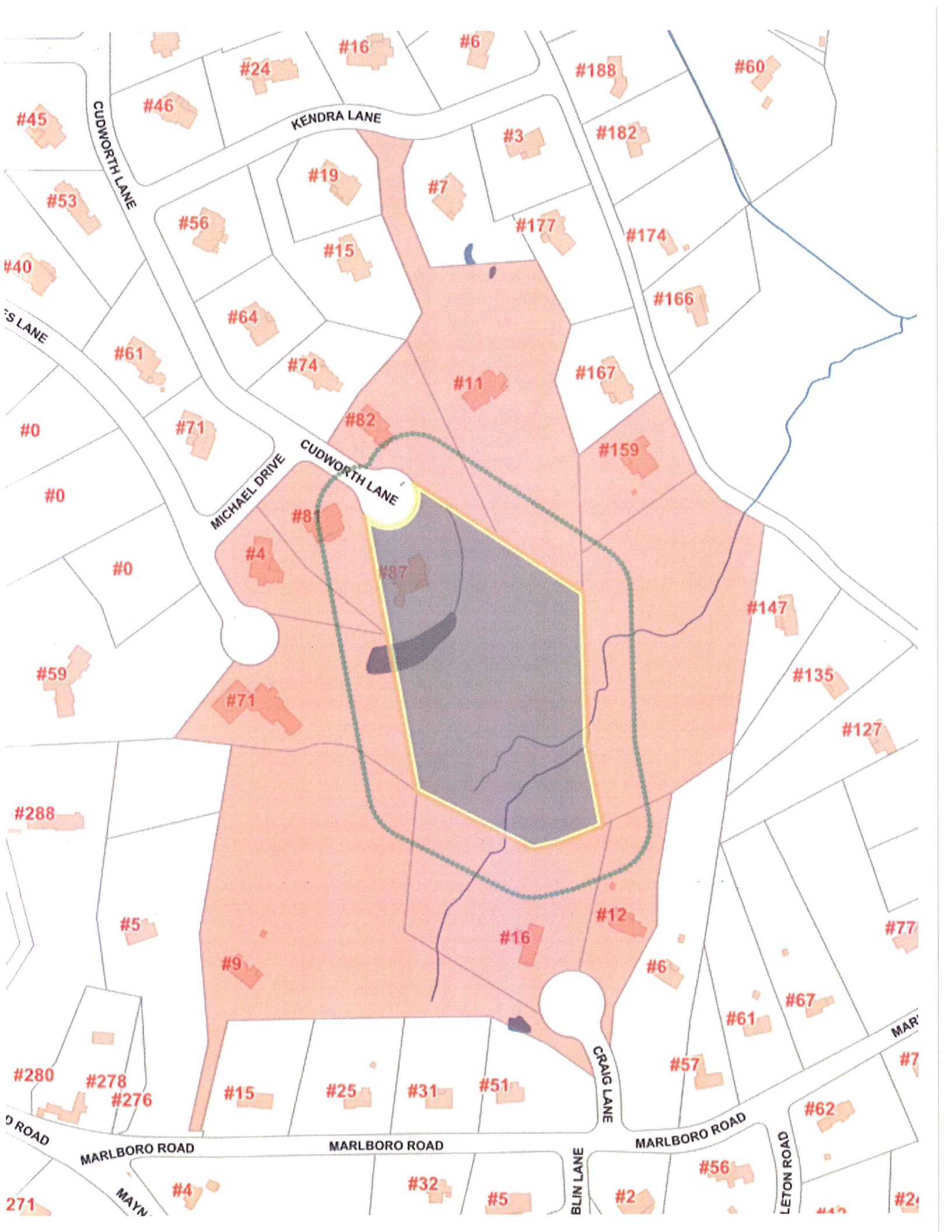
In addition to monitoring of the plantings as described in Section 2.0, the two areas will be actively monitored for a three-year period for the presence of invasive plant species. Any observed invasive species will be hand-removed and disposed of off-site.

Hand pulling is the proposed method of invasive species removal since no woody plants requiring cutting are expected to be able to grow within the three-year monitoring period. Hand pulling will be done for small herbaceous plants, and for pulling out seedling and saplings of shrubs and trees.

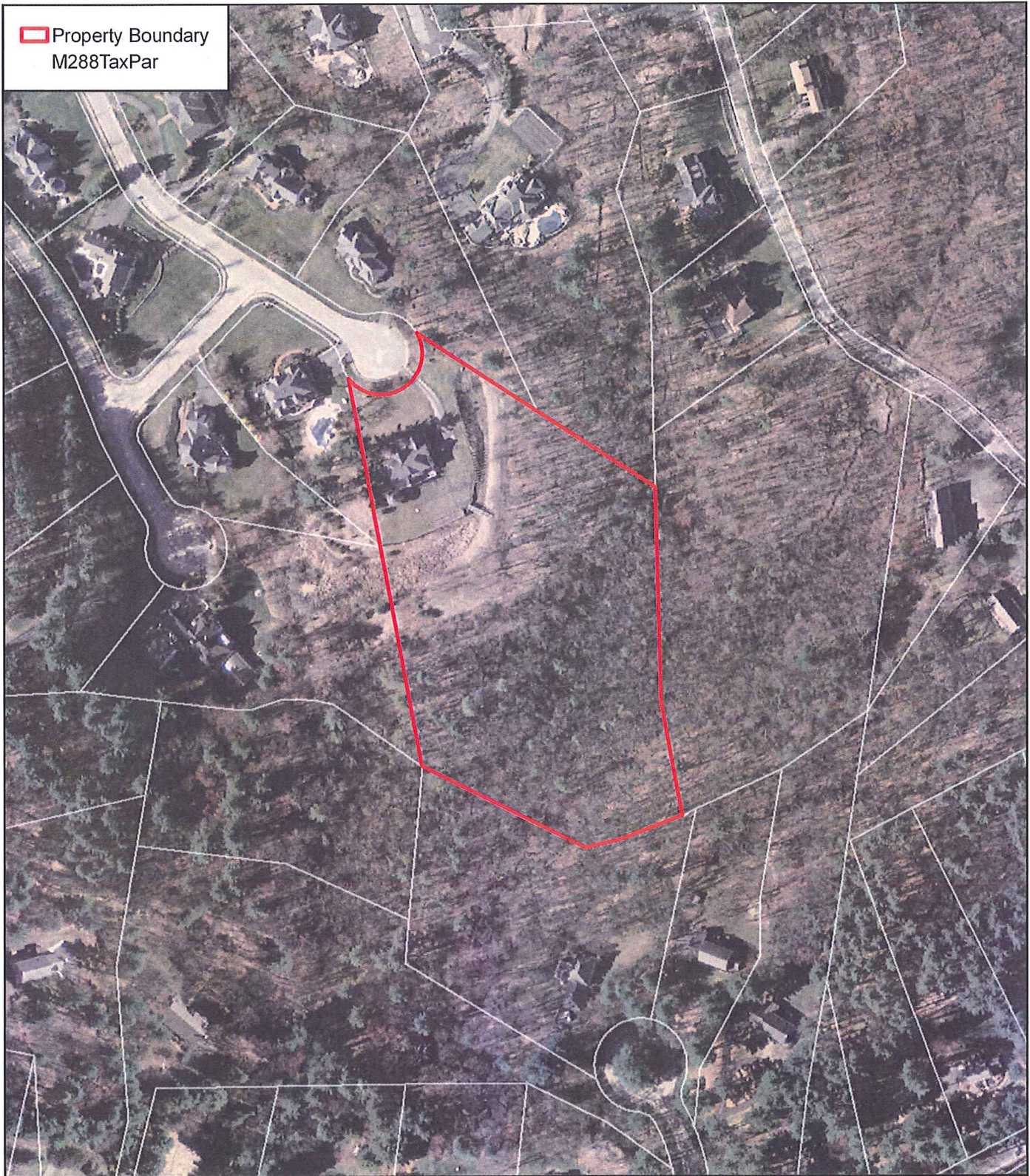
All invasive plants that have been removed will be disposed of off-site.

4.0 Monitoring

Annual monitoring inspections shall be performed for the PISMP by a qualified biologist or wetland scientist for a period of 3 growing seasons after retaining wall removal. The monitoring program will consist of two annual inspections, to be performed after each of the spring and fall growing seasons (after approximately June and September of each year, respectively). A monitoring report will be submitted to the Conservation Commission following each inspection. The report will include photographs and details about the vitality of the PISMP area, and the activities performed, and recommendation for supplemental plantings and or/ invasive species management.

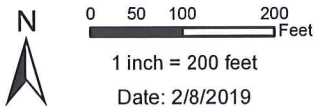


Property Boundary
M288TaxPar



Orthophoto View of Site

87 Cudworth Lane - Sudbury, MA



GIS Data Source: "Bureau of Geographic Information (MassGIS), Commonwealth of Massachusetts, Executive Office of Technology and Security Services"

GODDARD CONSULTING
Strategic Wetland Permitting ^{INC}





Roopenian, Kirsten

From: Dineen, Deborah
Sent: Friday, March 08, 2019 1:11 PM
To: Conservation Commission
Subject: FW: 87 Cudworth NOI scope of work
Attachments: 20190308115834465.pdf

This NOI is to complete the portion of an expired OOC that required violation corrections.

-----Original Message-----

From: dpwcopier@sudbury.ma.us [mailto:dpwcopier@sudbury.ma.us]
Sent: Friday, March 8, 2019 11:59 AM
To: Dineen, Deborah <dineend@sudbury.ma.us>
Subject:

This E-mail was sent from "DPWCopier" (Aficio MP C4000).

Scan Date: 03.08.2019 11:58:34 (-0500)
Queries to: dpwcopier@sudbury.ma.us

February 25, 2019

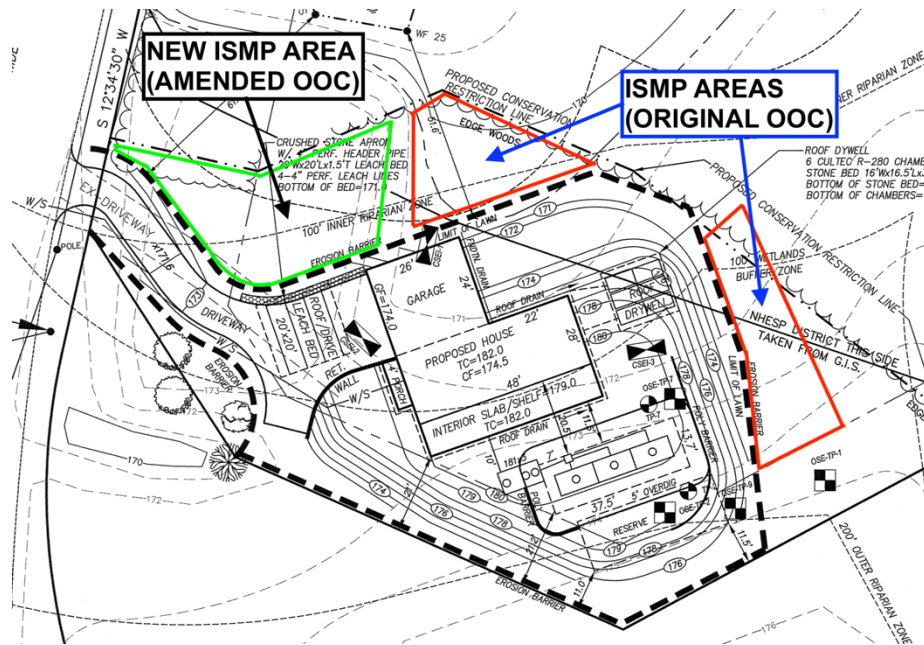
Sudbury Conservation Commission
Department of Public Works Building
275 Old Lancaster Road
Sudbury, MA 01776

**Re: Proposed Mitigation for Amended Order of Conditions
12 Maynard Road, Sudbury, MA (DEP File #301-1205)**

Dear Conservation Commission,

Goddard Consulting, LLC (GC) is pleased to submit this proposal for additional mitigation on behalf of Shkben Dev., LLC. The request is made as an accompaniment to the letter provided by Vito Colonna, P.E. to the Commission dated 12/12/2018 (attached). The letter indicated that upon completion of an as-built plan (also attached), the building footprint was determined to be larger than the approved footprint (by 84 sf) and an un-permitted foundation drain had been installed. The Commission requested mitigation for these two aspects of the plan that did not comply with the original Order of Conditions.

I was involved (along with my former colleague Renee) in the original Notice of Intent filing for DEP File #301-1205. The approved plan does not clearly designate the areas proposed for Invasive Species Management and native plantings subject to the ISMP submitted with the original NOI, so I have indicated those two areas (in red outline) on the following sketch. I also indicate a large new area (in green outline).



The New ISMP area is approximately 1,630 sf. It contains a dense growth of invasive species including Oriental bittersweet, glossy false buckthorn, honeysuckle with little native shrub or herbaceous cover (Photos 1 & 2). Much of this area is located less than 50 feet from the nearest BVW, therefore the mitigation will provide a great benefit to the functions and values of the adjacent BVW and stream resource areas. The applicant proposes to manage this new area in accordance with the same methodology of the two original ISMP areas: hand and mechanical removal of all invasive species, supervision by a qualified biologist/scientist, and monitoring reports to the commission.



Photo 1 - New ISMP Area, located to the north of the driveway (facing Maynard Road).



Photo 2 - View of New ISMP Area, facing north towards wetland resource area.

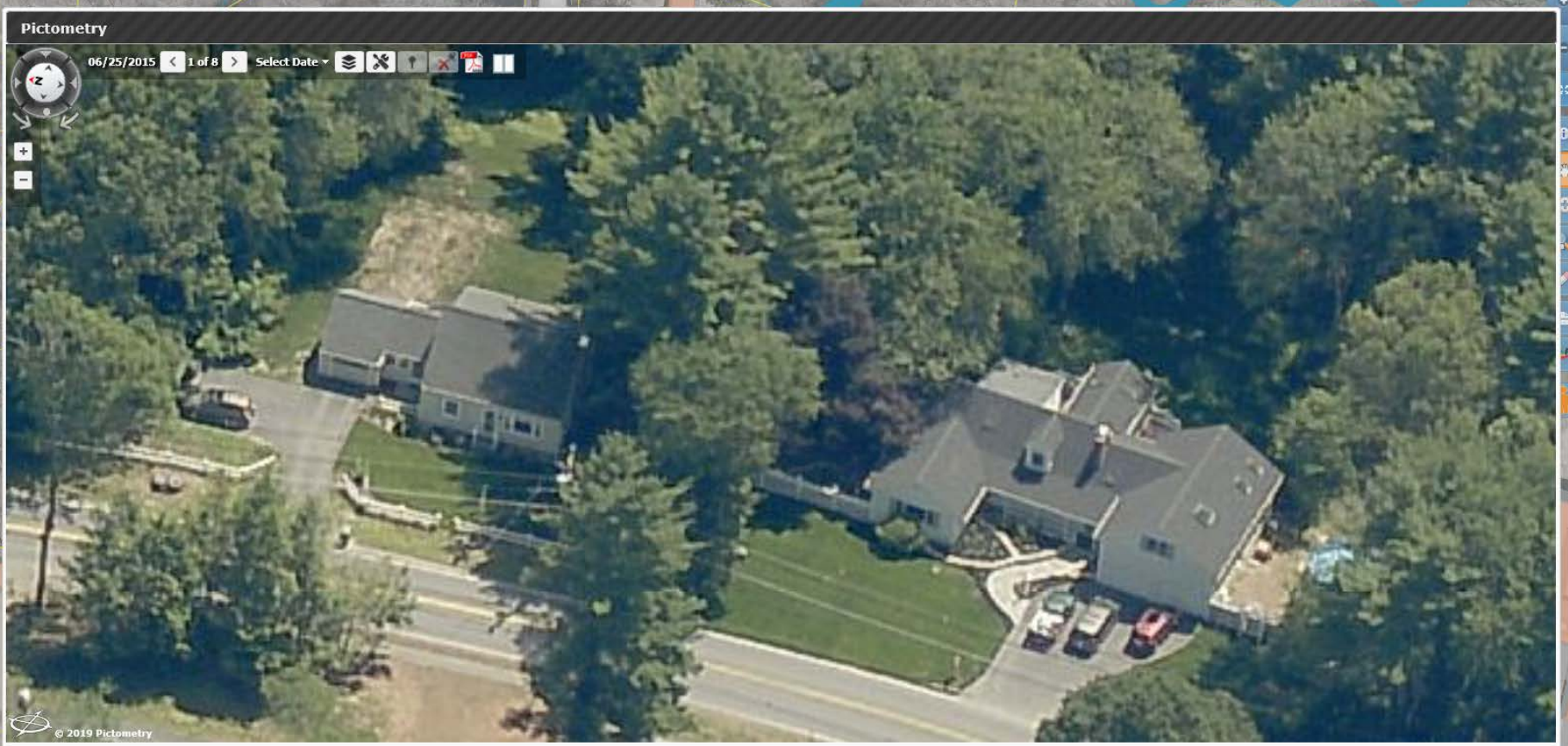
In my opinion, the new ISMP area will provide more-than-adequate mitigation for the additional 84 square feet of building footprint and perimeter drain indicated on the as-built plan and additional documentation provided by Mr. Colonna.

Please feel free to contact me if you have any questions.

Very truly yours,

A handwritten signature in black ink that reads "Daniel Wells". The signature is written in a cursive, flowing style.

Dan Wells
Senior Wetland Scientist and Wildlife Biologist



[Back to MapsOnline](#)

Date Branch Action

1/22/2019 Senate Referred to the committee on [Environment, Natural Resources and Agriculture](#)

1/22/2019 House House concurred

Petitioners:

Name	District/Address
Patricia D. Jehlen	Second Middlesex
Carolyn C. Dykema	8th Middlesex
Mike Connolly	26th Middlesex
Jack Patrick Lewis	7th Middlesex
James B. Eldridge	Middlesex and Worcester
Kate Hogan	3rd Middlesex
Denise Provost	27th Middlesex
Carmine Lawrence Gentile	13th Middlesex
Edward J. Kennedy	First Middlesex
Sal N. DiDomenico	Middlesex and Suffolk
Rebecca L. Rausch	Norfolk, Bristol and Middlesex
David M. Rogers	24th Middlesex
Michael J. Barrett	Third Middlesex
Tami L. Gouveia	14th Middlesex
Michael O. Moore	Second Worcester
James Arciero	2nd Middlesex

Joint Committee on Environment, Natural Resources and Agriculture Search

Search the Legislature

Senate Contact

24 Beacon St.
Room 513
Boston, MA 02133

Phone:

(617) 722-1540

House Contact

24 Beacon St.
Room 473F
Boston, MA 02133

Phone:

(617) 722-2210

Senate Members



Anne M. Gobi
Chair



-

Walter F. Timilty
Vice Chair

- Michael F. Rush
- Edward J. Kennedy
- James B. Eldridge
- Ryan C. Fattman

House Members



-

Smitty Pignatelli
Chair



-

Daniel Cahill
Vice Chair

- Colleen M. Garry
 - James Arciero
- Carmine Lawrence Gentile
 - Daniel R. Carey
- Michelle L. Ciccolo

- Richard M. Haggerty
- David Allen Robertson
- James M. Kelcourse (Ranking Minority)
 - Norman J. Orrall

SENATE No. 491

The Commonwealth of Massachusetts

PRESENTED BY:

Patricia D. Jehlen

To the Honorable Senate and House of Representatives of the Commonwealth of Massachusetts in General Court assembled:

The undersigned legislators and/or citizens respectfully petition for the adoption of the accompanying bill:

An Act responding to the threat of invasive species.

PETITION OF:

NAME:	DISTRICT/ADDRESS:	
<i>Patricia D. Jehlen</i>	<i>Second Middlesex</i>	
<i>Carolyn C. Dykema</i>	<i>8th Middlesex</i>	<i>1/29/2019</i>
<i>Mike Connolly</i>	<i>26th Middlesex</i>	<i>1/29/2019</i>
<i>Jack Patrick Lewis</i>	<i>7th Middlesex</i>	<i>1/29/2019</i>
<i>James B. Eldridge</i>	<i>Middlesex and Worcester</i>	<i>1/30/2019</i>
<i>Kate Hogan</i>	<i>3rd Middlesex</i>	<i>1/30/2019</i>
<i>Denise Provost</i>	<i>27th Middlesex</i>	<i>1/31/2019</i>
<i>Carmine Lawrence Gentile</i>	<i>13th Middlesex</i>	<i>2/1/2019</i>
<i>Edward J. Kennedy</i>	<i>First Middlesex</i>	<i>2/1/2019</i>
<i>Sal N. DiDomenico</i>	<i>Middlesex and Suffolk</i>	<i>2/1/2019</i>
<i>Rebecca L. Rausch</i>	<i>Norfolk, Bristol and Middlesex</i>	<i>2/1/2019</i>
<i>David M. Rogers</i>	<i>24th Middlesex</i>	<i>2/1/2019</i>
<i>Michael J. Barrett</i>	<i>Third Middlesex</i>	<i>2/1/2019</i>
<i>Tami L. Gouveia</i>	<i>14th Middlesex</i>	<i>2/4/2019</i>
<i>Michael O. Moore</i>	<i>Second Worcester</i>	<i>2/13/2019</i>
<i>James Arciero</i>	<i>2nd Middlesex</i>	<i>2/26/2019</i>

SENATE No. 491

By Ms. Jehlen, a petition (accompanied by bill, Senate, No. 491) of Patricia D. Jehlen, Carolyn C. Dykema, Mike Connolly, Jack Patrick Lewis and other members of the General Court for legislation to respond to the threat of invasive species. Environment, Natural Resources and Agriculture.

The Commonwealth of Massachusetts

**In the One Hundred and Ninety-First General Court
(2019-2020)**

An Act responding to the threat of invasive species.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:

1 SECTION 1. Chapter 10, as appearing in the 2016 Official Edition, of the General Laws
2 is hereby amended by adding the following sections:-

3 Section 78. As used in section 79, the following words shall have the following meanings
4 unless the context clearly requires otherwise:-

5 “committee”, the invasive species advisory committee established under section 38 of
6 chapter 20;

7 “coordinator”, the statewide invasive species coordinator established under section 36 of
8 chapter 20;

9 “council”, the invasive species council established under section 34 of chapter 20;

10 “department”, the department of agricultural resources;

11 “recurring maintenance projects”, invasive species projects that previously received grant
12 funding and require long-term control or management activity.

13 Section 79. (a) There shall be a fund to be known as the Invasive Species Trust Fund.
14 Notwithstanding any general or special law to the contrary, there shall be credited to the fund: (i)
15 any revenue from appropriations or other money authorized by the general court and specifically
16 designated to be credited to the fund, (ii) any gifts, grants, private contributions or investment
17 income earned by the fund’s assets and all other sources and (iii) any monies provided
18 voluntarily from anyone applying for sporting, hunting, fishing and trapping licenses.

19 (b) The fund, subject to appropriation, shall be received and held in trust solely for: (i)
20 support to the council and committee, (ii) the department’s invasive species office established
21 under section 36 of chapter 20, (iii) development and implementation of the statewide strategic
22 management plan for invasive species pursuant to section 32 of chapter 20, (iv) research and
23 pilot projects at Massachusetts universities, colleges, non-profit organizations and other facilities
24 to test new and emerging technologies for controlling invasive species, and (v) grants awarded
25 under paragraph (d). The fund shall be administered by the coordinator for the purposes of
26 development and implementation of the strategic management plan, research, pilot projects, and
27 grants. The fund shall be administered by the council for all other purposes.

28 (c) No expenditure from the fund shall cause the fund to be in deficiency at the close of
29 the fiscal year. Money in the fund at the end of the fiscal year shall not revert to the General
30 Fund and shall be available for expenditure in the subsequent year and shall not be subject to
31 section 5C of chapter 29.

32 (d) A municipality, or group of municipalities, a cooperative invasive species
33 management area, a non-profit or an agency of the state, which desires state assistance to control
34 invasive species, may apply in writing to the invasive species office in a manner prescribed by
35 the office. When the office finds that a proposed invasive species control program aligns with
36 objectives developed in the statewide strategic management plan, and is suitable to eradicate,
37 control, or minimize the effect an invasive species has on the ecosystem under consideration, it
38 may grant an award as determined necessary by the office. Recurring maintenance projects may
39 be awarded grants of up to seventy-five percent the full amount of the annual project cost for a
40 maximum of five years. In approving requests and determining the amount of any grant, the
41 office shall consider the following: (i) the long-range impacts of the strategic management plan
42 developed by the applicant, (ii) the natural resources to be conserved and protected by such
43 control, (iii) the presence of any invasive species prioritized by the council, (iv)
44 recommendations from the committee, and (v) any impact on endangeres, threatened or special
45 concern species listed under chapter 131A.

46 (e) In prescribing such manner of application for state assistance, the office shall require
47 applicants to develop a management plan and shall offer consultation for development of such
48 plans. The plans shall (i) identify root causes of the existing invasive species problem, (ii)
49 specify control techniques to manage or eradicate the existing infestation, (iii) identify and
50 specify control techniques that will minimize adverse environmental impact to the surrounding
51 area, (iv) specify best management practices to prevent future infestations, and (v) identify the
52 adverse impact of such specified control techniques on any rare species listed under chapter
53 131A.

54 (f) The office shall make awards to priority projects to the extent that funds are available.
55 First priority shall be projects to manage incipient infestations of invasive species with the
56 potential for eradication, second priority shall be projects to prevent or control the further spread
57 of an invasive species, and third priority shall be recurring maintenance projects. In establishing
58 priorities for individual projects, the office shall consider the following: (i) public accessibility
59 and recreational uses; (ii) the importance to commercial, agricultural or other interests; (iii) the
60 degree of local interest, including municipal or other support to the project; (iv) local efforts to
61 control invasive species; (v) other considerations affecting feasibility of achieving long-term
62 control including the need for multi-year control efforts; and (vi) necessity or advantage of the
63 proposed work. In all cases, the office shall consider whether the proposed project is included in
64 or compatible with applicable law and regulations, and whether the proposed project furthers
65 goals established by the statewide strategic management plan.

66 SECTION 2. Chapter 20, as appearing in the Official Edition, of the General Laws is
67 hereby amended by adding sections 33 to section 38:-

68 Section 33. For the purposes of this chapter, the following words shall have the following
69 meanings unless the context clearly requires otherwise:--

70 “citizen science”, scientific data collection that engages the public;

71 “committee”, the invasive species advisory committee;

72 “cooperative invasive species management area”, a regional partnership that focuses on
73 cooperation, coordination and education between departments, tribal governments, stakeholders,
74 Massachusetts universities, private and not-for-profit organizations, other states, the federal
75 government and any other appropriate parties to manage and control regional invasive species;

76 “coordinator”, the statewide invasive species coordinator;

77 “council”, the invasive species council;

78 “department”, the department of agricultural resources;

79 “introduction”, the intentional or unintentional escape, release, dissemination, or
80 placement of a species into an ecosystem as a result of human activity;

81 “introduction pathway”, the mechanism by which an invasive species enters
82 Massachusetts;

83 “invasive species”, a species that is non-native to the ecosystem under consideration, and
84 whose introduction causes or is likely to cause economic or environmental harm or harm to
85 human health;

86 “Massachusetts Aquatic Invasive Species Management Plan”; a five-year plan, created by
87 the Massachusetts Aquatic Invasive Species Working Group, for aquatic invasive species
88 management in Massachusetts with the goal of implementing a coordinated approach to
89 minimizing the ecological and economic impacts of aquatic invasive species in marine and
90 freshwater environments. The plan was the first comprehensive effort to assess the impacts and
91 threats of aquatic invasive species in Massachusetts and was published in December 2002;

92 “native species”, a species that, other than as a result of an introduction, historically
93 occurred or currently occurs in a particular ecosystem;

94 “naturalized”, the process by which a non-native species, without the aid and benefits of
95 cultivation in Massachusetts, freely and regularly reproduces and persists over time to the point
96 that it becomes established in the ecosystem under consideration;

97 “non-native species”, a species that is introduced or not naturally occurring, based on the
98 species biology, phylogeny, distribution, and current knowledge about the species, within
99 Massachusetts;

100 “potentially invasive species”, are non-native species not currently known to be
101 naturalized in Massachusetts, but that can be expected to become invasive within minimally
102 managed habitats within the Commonwealth. As defined here, "species" includes all synonyms,
103 subspecies, varieties, forms, and cultivars of that species unless proven otherwise by a process of
104 scientific evaluation.

105 “priority conservation area”, an area determined by identifying at all scales the natural
106 and cultural resources at risk from invasive species.

107 Section 34. (a) There shall be a Massachusetts invasive species council which shall
108 provide policy level direction, coordination, and planning among state departments, federal
109 agencies, and international and local initiatives for the control and eradication of invasive species
110 infestations throughout the state and prevent the introduction of potentially invasive species. The
111 council shall build upon the strength of existing invasive species programs, identify and address
112 state level organizational and resource needs with respect to invasive species, and integrate the
113 state’s invasive species response into an efficient, unified plan.

114 (b) The council shall consist of a total of 13 members and shall include:

115 (1) The commissioner of the department of conservation and recreation or a designee;

116 (2) The commissioner of the department of environmental protection or a designee;

117 (3) The commissioner of the department of agricultural resources;

- 118 (4) The commissioner of the department of fish and game or a designee;
- 119 (5) The executive director of the Massachusetts water resources authority or a designee;
- 120 (6) The secretary of the Massachusetts Department of Transportation or a designee;
- 121 (7) The commissioner of the department of public health or a designee;
- 122 (8) The president of the University of Massachusetts or a designee;
- 123 (9) The coordinator; and
- 124 (10) Two non-governmental members of the committee to be selected by the
125 committee pursuant to section 38.
- 126 (c) The commissioner of the department shall serve as chair of the council.
- 127 (d) Any designee assignment shall be based on background or interest in invasive species,
128 with preference towards individuals with experience on a state or regional invasive species
129 council, organization or working group.
- 130 (e) The council shall invite one representative from the national invasive species council,
131 United States department of agriculture, the United States fish and wildlife service, the United
132 States environmental protection agency, and the United States coast guard to participate on the
133 council in a nonvoting, ex officio capacity.
- 134 (f) Each member shall serve for the length of their position in a state agency and until a
135 successor is appointed. Members appointed from the committee shall serve for the length of their
136 membership with the committee.

137 (g) The council shall meet at least quarterly and shall regularly consult with the
138 committee. The members of the council shall not be compensated for their services but may be
139 entitled to be reimbursed out of any funds available for the purpose, for their actual traveling and
140 other expenses necessarily incurred in the performance of their official duties, but such
141 reimbursements shall not in any fiscal year exceed the amount set by the chair.

142 (h) The council may consult with any organization, educational institution, or
143 governmental agency.

144 (i) A majority vote of members shall be required for an action of the council. A quorum
145 shall exist pursuant to section 18 of chapter 30A. The chair or six members of the council may
146 call a meeting; provided, however, that notice of all meetings shall be given pursuant to sections
147 18 to 25 of chapter 30A.

148 (j) The council, at the call of the chair, shall hold public hearings for the purpose of fact-
149 finding, receiving public comments, or conducting inquiries concerning invasive species. The
150 council shall prepare for public review and include in its reports a summary of the comments and
151 recommendations made at the public meetings;

152 (k) The council shall report annually at the end of each calendar year on budgetary and
153 other issue regarding invasive species. The information reported shall include, but not be limited
154 to: (i) a summary of the council's activities; (ii) the performance of the council's duties; (iii)
155 efforts in the state to identify and manage invasive species; and (iv) budgetary recommendations
156 for invasive species. The report shall be filed with the clerks of the senate and the house, the
157 senate and house committees on ways and means, the joint committee on environment, natural
158 resources and agriculture, and the governor.

159 Section 35. The council, through its member agencies, shall:

160 (a) maintain oversight of invasive species in the state, and assess the scope and
161 magnitude of the environmental, ecological, agricultural, economic, recreational and social
162 impacts caused by invasive species in the state;

163 (b) recommend legislation as well as administrative policies and programs to improve the
164 state's administration and support of invasive species programs and policies;

165 (c) advise, consult and coordinate invasive species-related efforts with and between state
166 agencies, as well as state, federal, international, and privately organized programs and policies;

167 (d) identify and prioritize each agency's organizational and resource needs with respect to
168 invasive species;

169 (e) assist state agencies in reviewing the agency performance measures, by the council's
170 standard, for accountability concerning invasive species actions;

171 (f) direct invasive species policy for state agencies and ensure that all state agency
172 programs and policies are consistent with the invasive species policies created by the council;

173 (g) create and maintain a list of all established categories of invasive species, including
174 banned invasive species, and confirmed sightings of such species in a statewide database that
175 incorporates existing data from agencies, or, if found suitable by the council, expand current
176 databases and reporting systems to ensure public access to invasive species information and
177 distribution;

178 (h) establish and maintain a list of current potentially invasive species identified as
179 threats, with focus on those species threatening priority conservation areas, and promulgate
180 agency regulations for such species;

181 (i) issue an advisory when there is a discovery in the state of a species listed as
182 potentially invasive and not recorded in the state prior to such discovery; the public advisory
183 shall, to the extent information is available, describe in plain language the (i) species location,
184 (ii) waters and land areas negatively affected or expected to be negatively affected by the
185 species, (iii) best management practices for the species provided its location, (iv) introduction
186 pathways, (v) a state plan for eradicating, if possible, or controlling the infestation, and (vi) such
187 information as the council shall prescribe by regulation or directive;

188 (j) incorporate and expand the Massachusetts Invasive Plant Advisory Group's invasive
189 plant assessment to the extent appropriate for the council's invasive species control and
190 eradication efforts, and create a yearly evaluation system for listing new species and de-listing
191 others;

192 (k) review the department's regulations for the Massachusetts prohibited plant list and
193 ensure appropriate administration of the prohibited plant list;

194 (l) promote use of native species as alternatives to horticulturally and commercially used
195 invasive species and create a list of suitable, tested native alternatives for commonly used
196 invasive species;

197 (m) review state agency mandates and commercial interests that call for the maintenance
198 of invasive or potentially invasive species as resources for sport hunting, aesthetic resources, or
199 other values;

200 (n) encourage industries and trade organizations to develop and adopt voluntary codes of
201 conduct designed to reduce or eliminate the use and distribution of invasive species, reviewing
202 such voluntary codes of conduct and officially recognizing approved codes;

203 (o) restrict the sale, purchase, possession, propagation, introduction, importation,
204 transport and disposal of invasive species, and establish grace periods for prohibited species so
205 businesses can plan management of existing stock;

206 (p) review the structure of and establish fines and penalties to ensure maximum
207 deterrence for invasive species-related crimes;

208 (q) identify and establish new methods to increase revenue for the invasive species trust
209 fund established under section 79 of chapter 10;

210 (r) prioritize the actions of the council based on the needs of the department's invasive
211 species office established under section 36, and effectively respond to such needs;

212 (s) approve by affirmative vote and implement the statewide strategic management plan
213 for invasive species with the invasive species office;

214 (t) collaborate and coordinate efforts with the federal invasive species council and its
215 national invasive species management plan;

216 (u) coordinate a response or promote a statewide position with respect to the impact
217 climate change has on invasion risk in the state and identify ways to translate climate research
218 into invasive species management action;

219 (v) develop, foster and maintain partnerships with non-profit organizations to collaborate
220 on projects, policies and programs;

221 (w) adopt rules pursuant to effectuate this chapter; and

222 (x) perform any other function necessary to effectuate the purposes of this section.

223 Section 36. (a) The department shall establish and maintain a comprehensive invasive
224 species office for the purpose of promoting the ecological integrity of the state's lands and
225 waterways by controlling invasive species and strategically coordinating management efforts
226 across the state. The office shall focus on each function of invasive species management,
227 including at a minimum, prevention, management, education, and collaboration. The office, with
228 respect to each function, shall: (i) prevent the introduction or re-introduction of invasive or
229 potentially invasive species, (ii) eradicate or control invasive species through early detection and
230 rapid response and best management practices, (iii) target invasive species education to the
231 general public, schools, industries, government agencies, and other organizations, and (iv)
232 facilitate development and support of cooperative invasive species management areas that
233 maximize regional resources and impact.

234 (b) To coordinate office activities, provide the necessary technical oversight, and staff the
235 office, the department shall appoint a statewide invasive species coordinator. The coordinator
236 shall devote full time and attention to the duties assigned by the department. The coordinator
237 shall be a person with skill and experience in natural resource and invasive species management,
238 botany, and entomology. The coordinator shall be responsible for overall office management,
239 including administration of assigned functions of the invasive species grant program established
240 under chapter 10 of section 79, development of educational materials and workshops, and
241 coordination with other invasive species management activities across the state. The coordinator
242 shall develop the state's invasive species strategic management plan with assistance from the

243 council and committee. The coordinator shall update the plan or develop a new plan a minimum
244 of once every five years. The coordinator shall have such duties and authority as deemed
245 reasonable by the department to ensure state agency cooperation and support from the council
246 and committee.

247 (c) The department shall develop programming to conduct field work to survey for
248 invasive species and review projects funded by the grant program. The monitoring program will,
249 in coordination with other state planning and remediation activities, comprehensively survey
250 designated sections of the state to identify and map invasive species infestations. The monitoring
251 program shall develop partnerships and citizen science programs to ensure comprehensive
252 monitoring of the state.

253 (d) The office shall coordinate with cities and towns to combat the negative effects of
254 invasive species and increase resources and funding that support city and town-sponsored
255 activities involving invasive species. The office shall identify all federal and private funds
256 available to the state and to private entities to address invasive species and assist state
257 departments, private and non-profit entities to acquire these funds.

258 Section 37. The comprehensive, statewide strategic management plan shall include
259 prevention, early detection and rapid response, control, enforcement, and education of the public
260 with respect to all taxa of invasive species, as well as create a mission statement establishing the
261 state's position against invasive species. The plan shall, at a minimum:

262 (a) describe the impacts and threats of invasive species in the state;

263 (b) recommend interagency responsibilities;

- 264 (c) recommend city and town coordination;
- 265 (d) describe state level coordination;
- 266 (e) identify research needs and set research priorities;
- 267 (f) set education priorities;
- 268 (g) identify needs for additional staff positions at state agencies;
- 269 (h) recommend partnerships with private and non-profit entities;
- 270 (i) advance a system for early detection and rapid response;
- 271 (j) establish a centralized framework for sharing invasive species information;
- 272 (k) prioritize invasive species management and advance preparedness;
- 273 (l) recommend state actions to recover ecosystem resilience;
- 274 (m) evaluate the long term success of current state programs and efforts; and
- 275 (n) create a guide for uniform administration of section 40 of chapter 131 when alteration
- 276 of a wetland area for invasive species management requires a permit with the local conservation
- 277 commission, and recommend ways to improve the permit process to facilitate invasive control

278 The plan shall evaluate and incorporate, as appropriate, the approved Massachusetts
279 Aquatic Invasive Species Management Plan, and maximize efforts to receive a federal share for
280 work that falls under the objectives of the National Invasive Species Council.

281 Section 38. (a) There shall be an invasive species advisory committee which shall provide
282 information, advice, and guidance to the council, including but not limited to providing

283 assistance with the creation of an assessment for non-native species and recommendations for
284 best management practices. The committee shall develop data relative to invasive species and
285 assist in the implementation of and any revision to the strategic management plan. The
286 committee shall recommend new partnerships for the council.

287 (b) The committee shall be chaired by the invasive species coordinator and shall meet at
288 the call of the chair or quarterly, but no less than annually. The members of the committee shall
289 not be compensated for their services on the committee but may seek reimbursements out of any
290 funds available for the purpose, for their actual traveling and other expenses necessarily incurred
291 in the performance of the committee's duties, but such reimbursements shall not in any fiscal
292 year exceed the amount set by the chair.

293 (c) The chair shall select up to 16 members with at least one member from each of the
294 following:

- 295 (1) A representative from Mass Audubon;
- 296 (2) A representative from the Nature Conservancy;
- 297 (3) A representative from the Massachusetts Rivers Alliance
- 298 (4) A representative from the New England Forestry Foundation
- 299 (5) A representative from the Massachusetts Invasive Plant Advisory Group
- 300 (6) A representative from the Trustees of Reservations;
- 301 (7) A representative from the New England Wild Flower Society;

- 302 (8) A representative from the Massachusetts Association of Conservation
303 Commissions;
- 304 (9) A representative from the Natural Heritage and Endangered Species Program
305 of the department of fish and game;
- 306 (10) A representative from the Division of Ecological Restoration of the
307 department of fish and game;
- 308 (11) A representative from the department of agricultural resources;
- 309 (12) A representative from the New England Nursery Association;
- 310 (13) A representative from the Massachusetts Nursery and Landscape
311 Association;
- 312 (14) A representative from the Massachusetts Congress of Lake and Pond
313 Associations;
- 314 (15) A representative from a Massachusetts biodiversity research institute or
315 university; and
- 316 (16) A veterinarian or biologist conducting research and monitoring of wildlife
317 and plant diseases that are presently infecting flora and fauna in the state.
- 318 (d) Selection to the committee shall be for a four year term.
- 319 (e) The committee, by a vote of a majority of its members, shall select two committee
320 members to represent the committee on the Invasive Species Council, pursuant to Section 34.

321 SECTION 3. Said section 39 of chapter 90B, as so appearing, is hereby amended by
322 striking out second paragraph and inserting in place thereof the following paragraphs:-

323 There shall be a surcharge of 25 per cent on a fine assessed against a person convicted of
324 or found responsible for a violation under this chapter or a violation of a special regulation made
325 under this chapter. Notwithstanding the distribution of fines, penalties and forfeitures under
326 section 10G of chapter 21A, 20 per cent of the 25 per cent surcharge shall be deposited into the
327 Massachusetts Environmental Police Trust Fund and 5 percent of the surcharge shall be
328 deposited into the Invasive Species Trust Fund.

329 SECTION 4. Section 12 of Chapter 131, as so appearing, is hereby amended by inserting
330 after paragraph 2, the following paragraph:-

331 Section 40. (a) The Division of Fisheries and Wildlife shall include on all application for
332 sporting, fishing, hunting or trapping licenses, an option for applicants to voluntarily donate to
333 the Invasive Species Trust Fund established in Section 1.

February 25, 2019

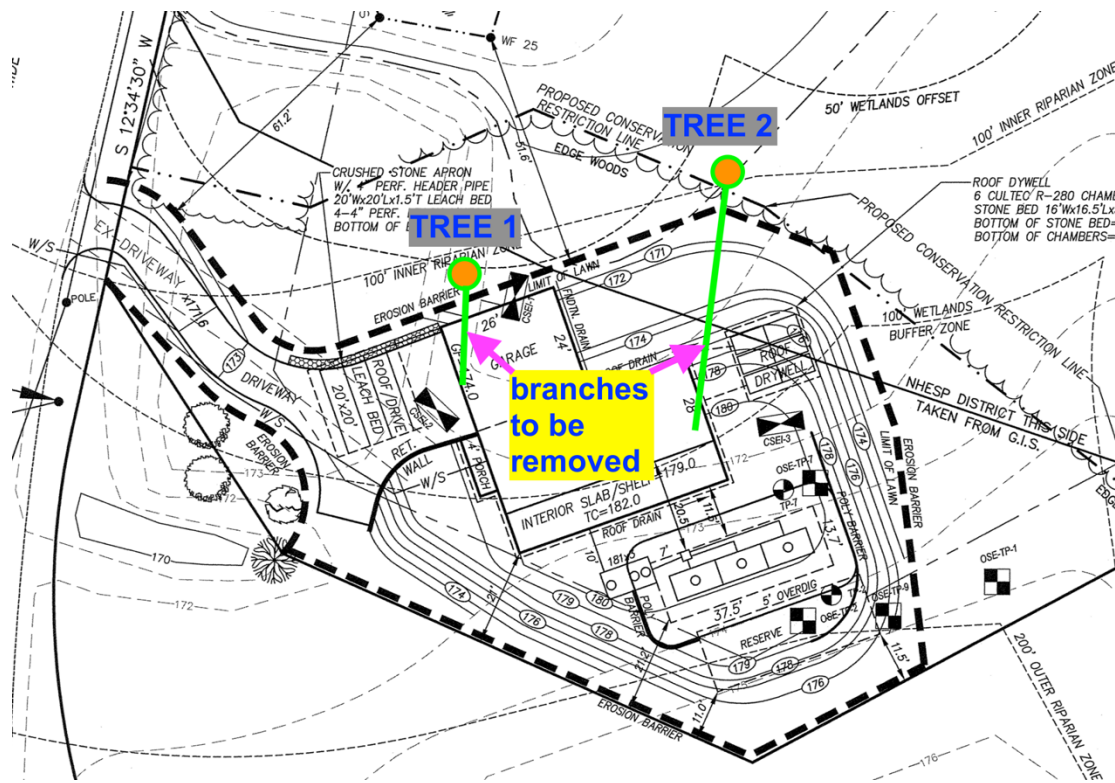
Sudbury Conservation Commission
Department of Public Works Building
275 Old Lancaster Road
Sudbury, MA 01776

**Re: Request to Trim Tree Branches Directly Overhanging House
12 Maynard Road, Sudbury, MA (DEP File #301-1205)**

Dear Conservation Commission,

Goddard Consulting, LLC (GC) is pleased to submit this request to trim two trees on behalf of Shkben Dev., LLC. The request is made in accordance with the Town of Sudbury Tree Removal Bylaw, Section 7.14 Tree Removal Performance Standards, which states that “property owners may trim tree branches directly overhanging dwellings without a permit.”

I inspected the site on December 5 and 14, 2018 and February 22, 2019 and observed that there are two trees with branches that are directly overhanging the new house. The approximate locations of the two trees and associated overhanging branches are shown on the following sketch.



In my opinion, the entire trees do not need to be cut – just the overhanging branches. The following are photos of the two trees and associated overhanging branches.



Photo 1 - Tree #1, to the left (north) of garage. Branches to be removed visible in top right of photo.



Photo 2 - Alternate view of branches overhanging house from Tree #1.



Photo 3 - Base of Tree #1, located outside of erosion control barrier.



Photo 4 - Overhanging branch to be removed from Tree #2, located northeast of house.



Photo 5 - Base of Tree #2, located outside of erosion control barrier and view of lower (overhanging) branch.



Photo 6 - Base of Tree #2.

Please feel free to contact me if you have any questions.

Very truly yours,

Dan Wells
Senior Wetland Scientist and Wildlife Biologist