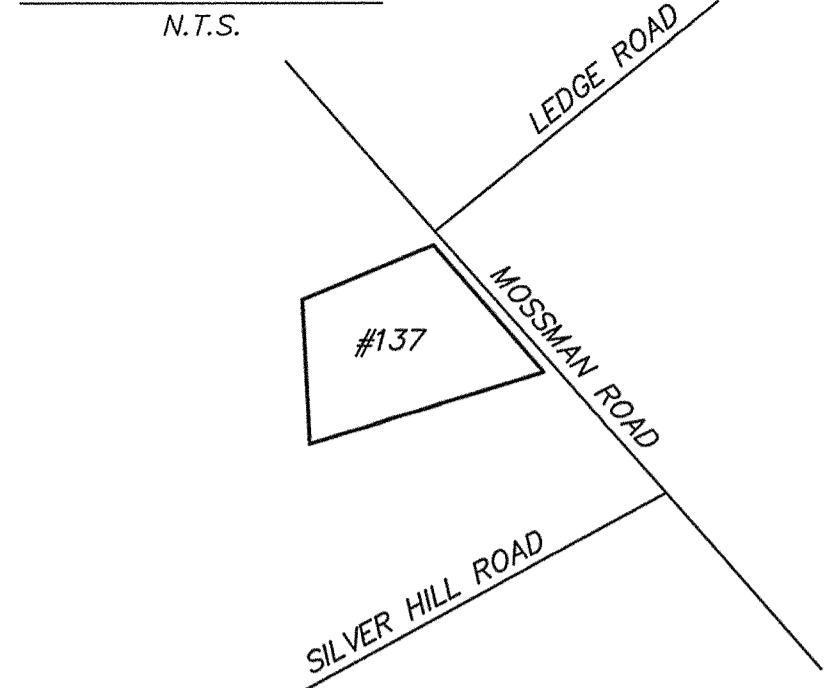
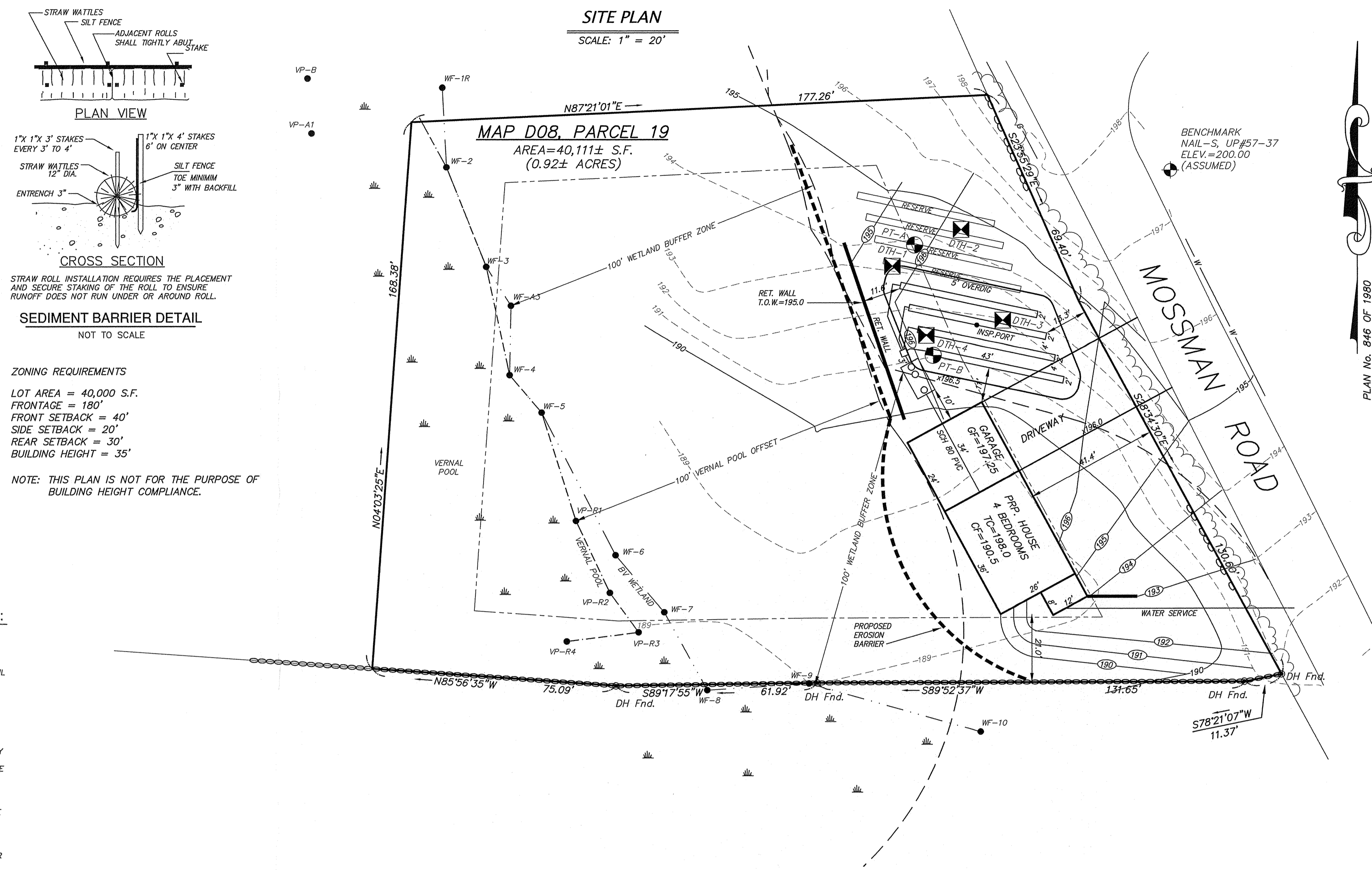


LOCUS MAP



SITE PLAN

SCALE: 1" = 20'



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± |

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.

DESIGN CRITERIA

- ESTIMATED FLOW = 4 BDRMS X 110 GPD/BR=440 GPD
- DESIGN PERCOLATION RATE = 15 MPI
- LEACHING AREA CALCULATION = LOCAL BYLAWS 170 S.F. OF SIDEWALL AREA/BEDROOM = 680 S.F. REQ'D. SA=8(2'X43') = 688 SF > 10.32 SF(0.56 GPD/SF)=577 GPD BA=4(2'X43') = 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 CONTROLS. 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 SHOULD BE STOCKPILED 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 HYDROSEEDING AND SOIL TACKLER. 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 ADJACENT 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.

SOURCE CONTROL / POLLUTION PREVENTION MEASURES:

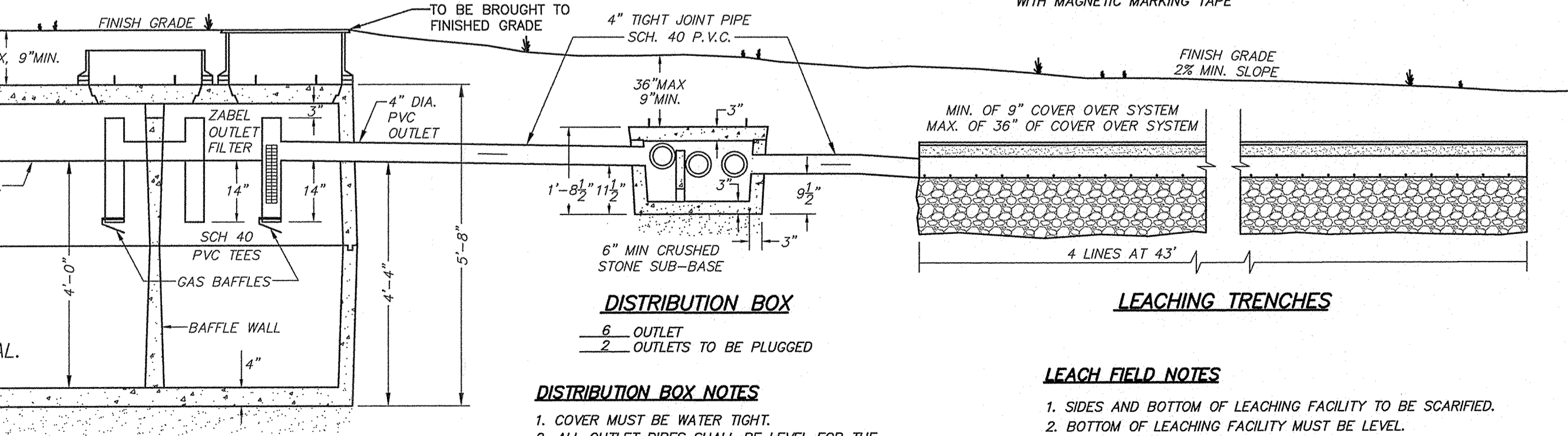
- PER THE TOWN OF SUDBURY STORMWATER MANAGEMENT BYLAW REGULATIONS, THE FOLLOWING SOURCE CONTROL AND POLLUTION PREVENTION MEASURES SHALL BE EMPLOYED ON THE SITE TO PREVENT CONTAMINATION OF STORMWATER RUNOFF:
- STORE LAWN AND DEICING CHEMICALS UNDER COVER
 - APPLY FERTILIZERS AND PESTICIDES SPARINGLY TO 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 WASHING 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.

SEPTIC TANK NOTES

- MUST BE WATER TIGHT AND SET ON A LEVEL BASE THAT HAS BEEN COMPACTED TO PREVENT SETTLING.
- TANK MUST HAVE A SEAL STATING THAT ASTM STANDARDS HAVE BEEN MET.

SYSTEM PROFILE

NOT TO SCALE



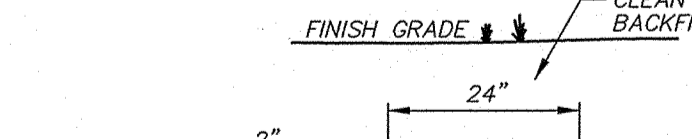
NOTE: ALL SYSTEM COMPONENTS ARE TO BE MARKED WITH MAGNETIC MARKING TAPE

- 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.

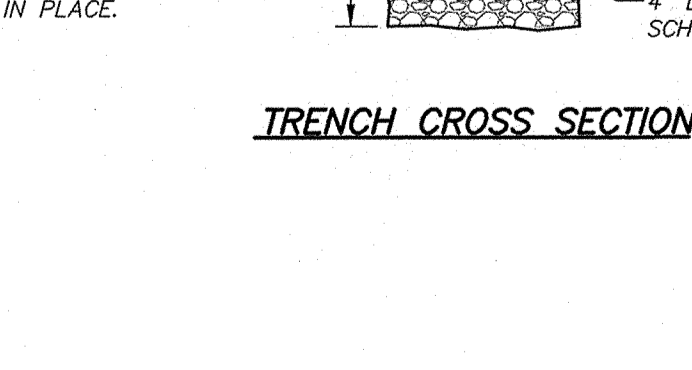
- LEACH FIELD NOTES**
- SIDES AND BOTTOM OF LEACHING FACILITY TO BE SCARIFIED.
 - BOTTOM OF LEACHING FACILITY MUST BE LEVEL.
 - PIPING MUST BE SCH 40 P.V.C. WITH TIGHT JOINTS.
 - THE ORIFICES OF THE PIPE MUST BE 3/8" - 5/8".
 - VENT REQUIRED IF LEACH LINES ARE GREATER THAN 50'.

FINAL GRADING NOTES

- 2% SLOPE MUST BE PROVIDED OVER AND AROUND SYSTEM.
- SURFACE DRAINAGE MUST BE AWAY FROM SYSTEM.
- GRADING MUST BE DONE TO PREVENT PONDING.



INSPECTION PORT



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 not 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 TBM POLE 57-37 NAIL EL.=200.0
- 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 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 sieving shall be used in areas subject to vehicular traffic.
- All tanks, including septic tanks, distribution boxes, cover chambers, and grease traps shall be either watertight through manufacturer's specification and warranty; or made watertight by the manufacturer or other individual by means and persons as approved in 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 ports 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 invert elevation shall be provided to dissipate velocity of the influent.
- When the SAS is installed within the top and subsoil layers 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 15.255(1).
- 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.

| 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 | 183.5 | 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 | FLL | 10YR3/2 | | |
| | 14-20" | Ap | SANDY LOAM | 10YR3/2 | | |
| | 20-36" | Bw | LOAMY SAND | 10YR6/8 | | |
| DTH-2 8/24/17 | 0-15" | Ap | FLL | 10YR3/2 | | |
| | 15-19" | Ap | SANDY LOAM | 10YR3/2 | | |
| | 19-34" | Bw | LOAMY SAND | 10YR6/8 | 50" | |
| DTH-3 8/24/17 | 0-8" | Ap | SANDY LOAM | 10YR3/2 | | |
| | 8-37" | Bw | LOAMY SAND | 10YR6/8 | | |
| | 37-83" | C1 | LOAMY SAND | 10YR6/8 | 50" | |
| DTH-4 8/24/17 | 0-10" | Ap | SANDY LOAM | 10YR3/2 | | |
| | 10-31" | Bw | LOAMY SAND | 10YR6/8 | | |
| | 31-62" | C1 | LOAMY SAND | 10YR6/8 | 52" | |

TESTS CONDUCTED BY: MICHAEL SULLIVAN
TESTS OBSERVED BY: BILL MURPHY DATE: 8/24/17

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 15.018(2).

| | | | |
|---------------------------------|--------------|--|------------|
| APPLICANT DORIS SMITH | | LOCATION 137 MOSSMAN ROAD SUDBURY, MA ASSESSORS MAP 08 & PARCEL 19 | |
| NO. | DATE: | REVISION: | BY: |
| 1. | 5-29-18 | VERNAL POOL, NEW HOUSE | RM |

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 1

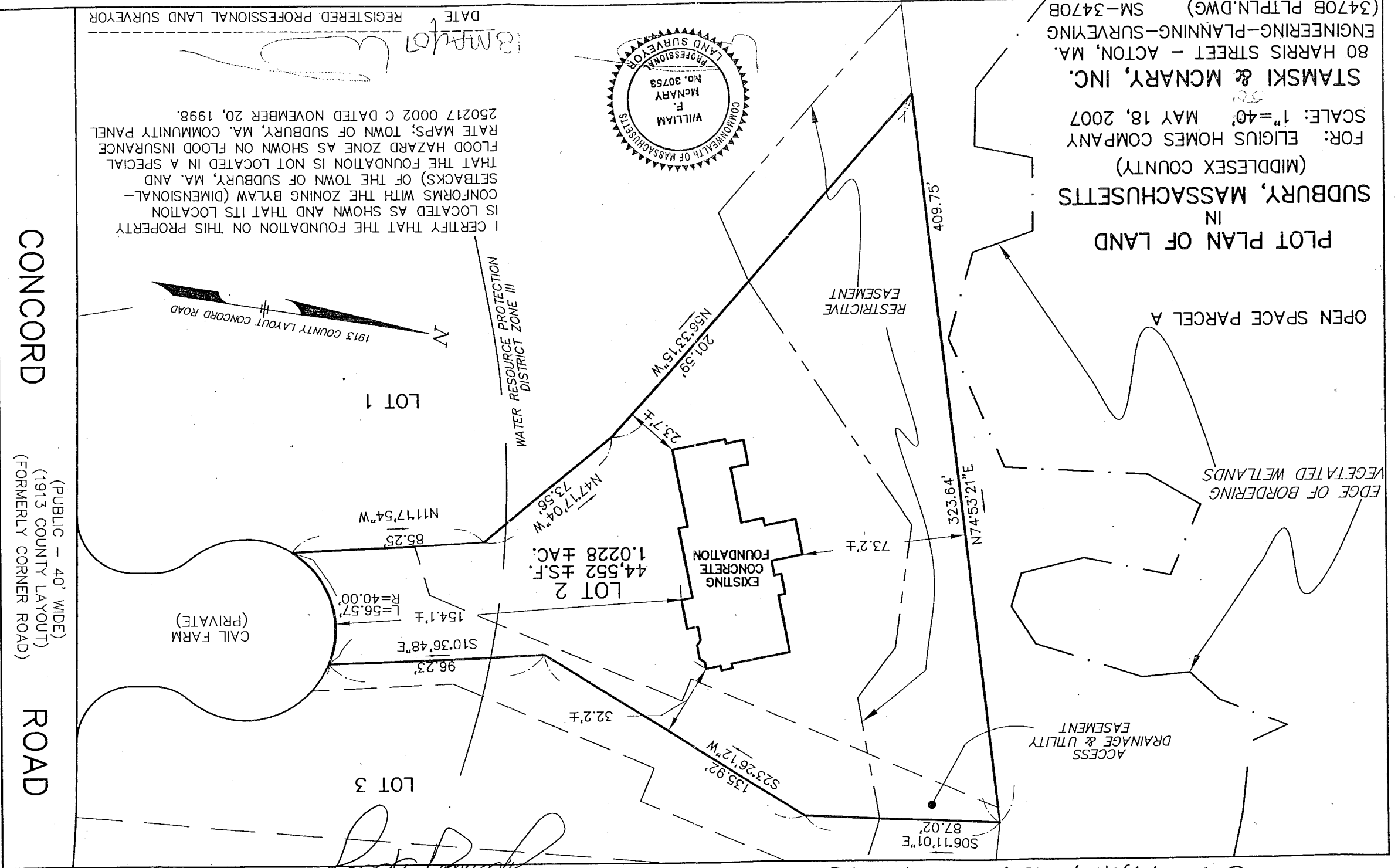




PLOT PLAN OF LAND
 IN
SUBBURY, MASSACHUSETTS
 (MIDDLESEX COUNTY)
 FOR: ELIGIUS HOMES COMPANY
 SCALE: 1"=40'
 MAY 18, 2007
 STAMSKI & MCNARY, INC.
 80 HARRIS STREET - ACTON, MA.
 ENGINEERING-PLANNING-SURVEYING
 (3470B PLTPLN.DWG) SM-3470B



I CERTIFY THAT THE FOUNDATION ON THIS PROPERTY IS LOCATED AS SHOWN AND THAT ITS LOCATION CONFORMS WITH THE ZONING BYLAW (DIMENSIONAL-SETBACKS) OF THE TOWN OF SUBBURY, MA. AND THAT THE FOUNDATION IS NOT LOCATED IN A SPECIAL FLOOD HAZARD ZONE AS SHOWN ON FLOOD INSURANCE RATE MAPS; TOWN OF SUBBURY, MA. COMMUNITY PANEL 250217 0002 C DATED NOVEMBER 20, 1998.
 DATE REGISTERED PROFESSIONAL LAND SURVEYOR
W. McNary

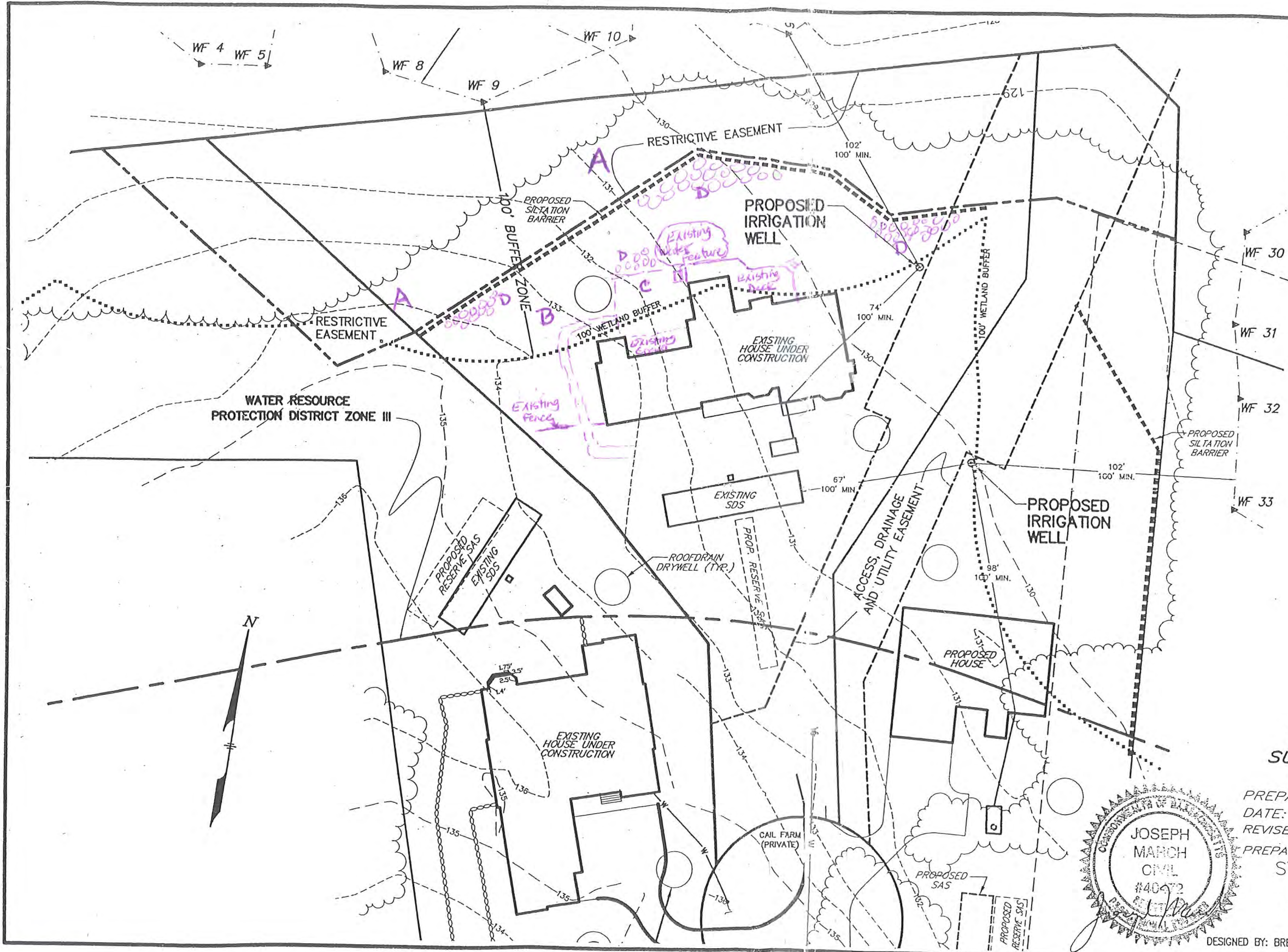


3 Cail Farm Rd
 CONCORD ROAD
 (PUBLIC - 40' WIDE)
 (1913 COUNTY LAYOUT)
 (FORMERLY CORNER ROAD)

#3 CAIL FARM ROAD
 Recvd. June 18th 2007
James F. Kelly

Cail Farm well

SEAN
 L& T HES
 LOCATION!
 O.K. TO
 R

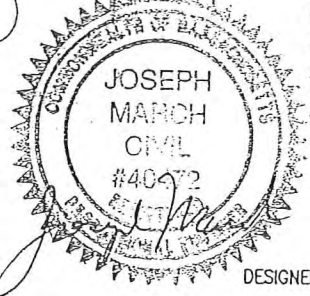


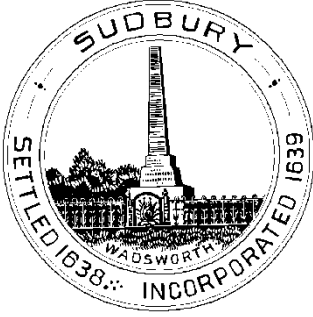
- NOTES:**
1. THE PROPOSED IRRIGATION WELL ASSOCIATED WITH LOT 2 REQUIRES A VARIANCE FOR THE REQ. SEPARATION DISTANCE TO SEWAGE DISPOSAL SYSTEM (PROVIDED 74' REQUIRED 100') PER TOWN OF SUDBURY GENERAL BYLAWS ARTICLE XXV.
 2. THE PROPOSED IRRIGATION WELL ASSOCIATED WITH LOT 3 REQUIRES A VARIANCE FOR THE REQ. SEPARATION DISTANCE TO SEWAGE DISPOSAL SYSTEM (PROVIDED 67' REQUIRED 100') PER TOWN OF SUDBURY GENERAL BYLAWS ARTICLE XXV.

IRRIGATION WELL PLAN
 IN
SUDBURY, MASSACHUSETTS
 LOT 2 & LOT 3 CAIL FARM

PREPARED FOR: ELIGIUS HOMES COMPANY
 DATE: 11/8/07 SCALE: 1" = 40'
 REVISED: 11/9/07

PREPARED BY:
STAMSKI AND McNARY, INC.
 CIVIL ENGINEERS LAND SURVEYORS
 80 HARRIS STREET - ACTON, MA 01720
 PH.: (978) 263-8585





**NOTICE OF PUBLIC MEETING
SUDBURY CONSERVATION COMMISSION**

The Sudbury Conservation Commission will hold a public meeting to review the state and local bylaw Wetlands Request for Determination of Applicability for invasive plant removal, patio and landscape construction at 3 Cail Farm Rd., Sudbury MA; Susan Farina, applicant

The meeting will be held Monday, June 18, 2018 at 6:30pm in the Town Hall 322 *Concord Rd.*, Sudbury MA. Copies of the filing may be reviewed at the office during business hours.

SUDBURY CONSERVATION COMMISSION
June 5, 2018



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:

Susan H. Farina / Dino J. Farina suefarina@mac.com
 Name E-Mail Address
3 Oak Farm Road
 Mailing Address
Sudbury MA 01776-1150
 City/Town State Zip Code
cell 617-331-8808 NA
 Phone Number Fax Number (if applicable)

2. Representative (if any):

NA
 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).

n/a



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):

3 Gail Farm Road, Sudbury Sudbury
Street Address City/Town

D 11 Lot 2
Assessors Map/Plat Number Parcel/Lot Number

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

Land within a 100' zone and controlled by certain Orders of Conditions - Conditions in Perpetuity:

DEP File No. 301-924

DEP File No. 301-926

Approved lawn area. See attached photos.

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

As-Built Sewage Disposal Plan revised June 30, 2011
Title Date

Irrigation Well Plan - see attached revised Nov. 9, 2007
Title Date

Plot Plan of Land - see attached 18 May 2007
Title Date

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

1) Mowing of buckthorn in conservation restricted area, pursuant to Conditions in Perpetuity - see area A on attached map.

2) Future removal of old apple tree and planting of a native tree, such as Acer saccharum - sugar maple. See B on attached map

3) Addition of a paved patio ^{and walkway} that extends into existing lawn area in the back of the house. See C on attached map.

4) Addition of stairs off of existing deck down to proposed paved patio. See C on attached map.

5) Removal of grass in existing lawn area and replacing with perennial beds that contain native plants, such as low bush blueberry and other bird, bee, and animal friendly plants. See D on map.

6) Addition of bee hives in restricted area.

7) Removal of other invasive plants in restricted area A, such as poison ivy, etc.