

**NOTICE OF PUBLIC MEETING  
SUDBURY CONSERVATION COMMISSION**

The Sudbury Conservation Commission will hold a public meeting to review the Request for Determination of Applicability (RDA) filing, under the State Act and Town Wetlands Bylaw, to install a geothermal well within the 100-foot Buffer Zone and 200-foot Riverfront Area, at 10 Wright Road in Sudbury, MA. Anwar Kashem, Applicant. The hearing will be held on Monday, September 13, 2021 at 6:45 pm, via remote participation.

Copies of the application may be reviewed at the Conservation Department web page at: <https://sudbury.ma.us/conservationcommission/meeting/conservation-commission-meeting-monday-september-13-2021-2/>.

SUDBURY CONSERVATION COMMISSION  
August 16, 2021



# 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:

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

2. Representative (if any):

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 \_\_\_\_\_ make the following determination(s). Check any that apply:  
Conservation Commission

- 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).



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## C. Project Description

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

\_\_\_\_\_  
Street Address

\_\_\_\_\_  
City/Town

\_\_\_\_\_  
Assessors Map/Plat Number

\_\_\_\_\_  
Parcel/Lot Number

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

\_\_\_\_\_

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

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

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



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### 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.)



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## 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:

\_\_\_\_\_  
Name

\_\_\_\_\_  
Mailing Address

\_\_\_\_\_  
City/Town

\_\_\_\_\_  
State

\_\_\_\_\_  
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.

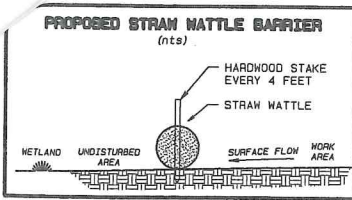
\_\_\_\_\_  
Signature of Applicant

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Representative (if any)

\_\_\_\_\_  
Date

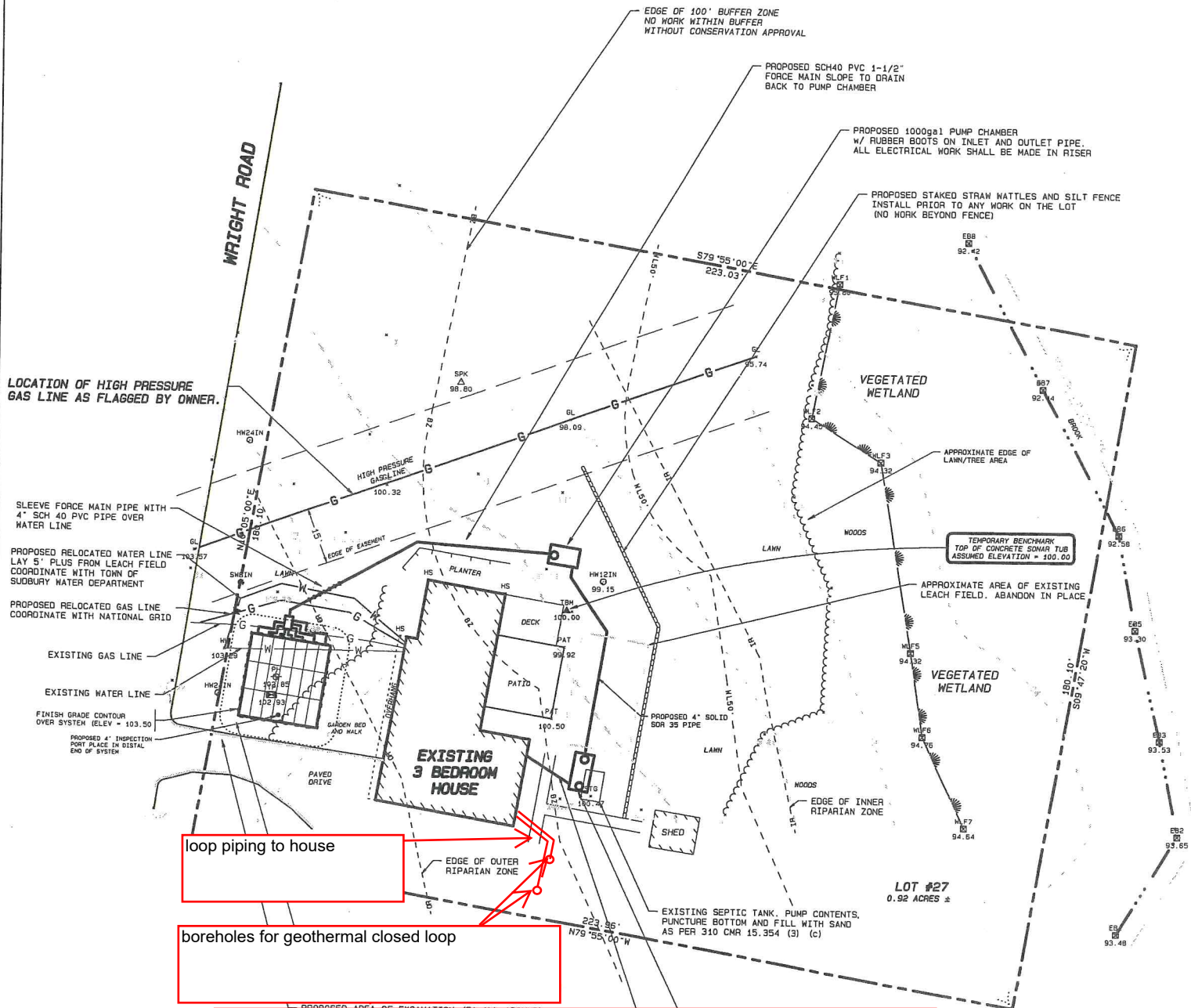
# WRIGHT ROAD



## NETLAND PROTECTION MEASURES

- 1) STAKED STRAM MATTLES SHALL BE INSTALLED AS SHOWN ON THE PLAN. THEY SHALL BE INSPECTED BY THE LOCAL CONSERVATION COMMISSION, IF REQUIRED, BEFORE CONSTRUCTION.
- 2) WITHIN THE 100' BUFFER ZONE ALL DISTURBING OF SOIL SHALL BE MINIMIZED.
- 3) ALL DISTURBED AREAS SHALL BE LOAMED, SEEDED AND MULCHED AS SOON AS POSSIBLE.
- 4) NO WORK OR STORAGE OF MATERIAL SHALL BE DOWN HILL OF THE STRAM MATTLES.
- 5) ALL NECESSARY PERMITS SHALL BE OBTAINED BEFORE WORK COMMENCES.
- 6) OWNER AND CONTRACTOR SHALL ADHERE TO ANY ORDERS ISSUED BY THE LOCAL CONSERVATION COMMISSION.

CONSERVATION COMMISSION SHALL BE NOTIFIED AFTER EROSION CONTROL IS PUT IN PLACE AND PRIOR TO CONSTRUCTION



loop piping to house

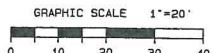
boreholes for geothermal closed loop

### Drilling and Pipe Installation

Closed loop geothermal drilling totaling 600' in depth. Drilling to occur off back end of driveway. Excavation between boreholes and foundation. Backfill and rough grade. Core through garage foundation - either through floor or through side-wall. Geothermal pipe; Pipe installation, loop flush and purge with antifreeze

The closed loop geothermal borehole installation will be in accordance with the Massachusetts Department of Environmental Protection Guidelines for Ground Source Heat Pump Wells published under the Underground Injection Program.

LEGEND	
PROPERTY LINE	TP1
DEEP HOLE TEST	PH1
PERC HOLE TEST	PH2
WELL	W
EXISTING CONTOURS	(dashed line)
PROPOSED CONTOURS	(solid line)
EDGE OF NETLAND	(wavy line)
HAYBALES	(hatched pattern)
SILT FENCE	(zigzag line)
WATER LINE	(line with 'W')
NETLAND FLAG	SW12IN
TREE, SOFTWOOD	HW12IN
TREE, HARDWOOD	(circle with 'H')



NO PROPERTY SURVEY HAS BEEN PERFORMED WITH THE PREPARATION OF THIS SEPTIC SYSTEM PLAN.  
PROPERTY LINES BASED ON HOMEOWNER INFORMATION.  
PROPERTY LINES SHOWN ARE GRAPHIC AND ARE TO DEMONSTRATE COMPLIANCE WITH 310 CMR 15 (TITLE 5.) ONLY.

DES  
DES  
SEP  
SOI  
SOI  
SOI  
TP1  
DEF  
0 -  
24  
PUN  
1) P  
CIRC  
INSI  
2) P  
SCHE  
SHAL  
3) O  
DRAT  
FORC  
4) P  
ACCE  
IT S  
TIGH  
5) A  
RISE  
6) S  
EFFL  
BE C  
7) N