

Certificate of Mailing:

TOWN OF MONTGOMERY  
DEVELOPMENT REVIEW BOARD  
NOTICE OF PUBLIC HEARING

The Public Hearing will be **Thursday, April 24** at 5:30 pm at the Montgomery Public Safety Building, 86 Mountain Rd, Montgomery, Vermont.

The Town of Montgomery has submitted an application for Conditional Use Approval and Request for Variance from setback requirements for a Water Resource Recovery Facility, which is a public use facility, at 428 Mountain Road. The parcel for the proposed facility is ID #00242.039X of 14.6 acres. The parcel lies in the Rural Residential Zoning District and partially in the River Corridor. Conditional Use Review for a public facility and Variance both require a public hearing by the Development Review Board.

The Town of Montgomery has also submitted an application for Conditional Use Approval for a pump station, which is a public use facility on North Main Steet, parcel ID#ON118.050X. The parcel is 1.76 acres in the Village 1 Zoning District, and partially in the River Corridor and Special Flood Hazard Area. Conditional Use Review for a public facility requires a public hearing by the Development Review Board.

The Town of Montgomery has also submitted an application for Hazard Area Review for components of the Montgomery Center Wastewater Infrastructure that are proposed within the Special Flood Hazard Area and River Corridor. These components include replacement of existing underground tanks and pipelines on several different parcels in the Village 1 Zoning District in Montgomery Center. Hazard Area Review requires a public hearing by the Development Review Board.

Further information may be obtained from the Zoning Administrator, Ellen Fox, or at the Montgomery Town Clerk's Office.

**An interested person must participate in the local proceeding as a prerequisite to the right to any subsequent appeal.**

Notice of Hearing and copy of the application to the applicant:

Town of Montgomery  
PO Box 356  
Montgomery Center, VT 05471



TOWN OF MONTGOMERY, VERMONT
APPLICATION TO DEVELOPMENT REVIEW BOARD

APPLICANT (s): Name (s) Town of Montgomery Phone: 802-326-4719
Address 86 Mountain Road, Montgomery Center, VT 05471

PROPERTY: Parcel I.D. No. N/A Zoning District N/A
Location N/A
Date Acquired N/A Town Land Records - Book N/A Page N/A
Present Use N/A Proposed Use N/A
Lot Size N/A Depth N/A Frontage on Public Road or R.O.W. N/A

TYPE OF APPLICATION:

- ( ) Appeal from a decision of the Administrative Officer
( ) Application for a Conditional Use Permit
( ) Application for a Variance from the Town's Zoning Regulations
( ) Approval of lot(s) accessed via Right-of-Way of record
( ) Site Plan approval for Subdivision
( ) Request for interpretation of Zoning Regulation or Map

X State reason for Application: Hazard Area Review for the Montgomery Center Wastewater Infrastructure Project for areas with development within the Special Flood Hazard Area, Floodway, and River Corridor. Refer to Attachments.

ADDITIONAL INFORMATION REQUIRED WITH APPLICATION: A plot plan must be submitted with this application to show; property boundary lines with dimensions, easement and right-of-way lines, all existing and proposed structures and alterations, proposed subdivision of land, scale and true north, location of sewage and water supplies, and other relevant information.

I hereby certify that the information in this application, (including attachments), is true and correct.

Signed: [Signature] Date: 3/31/2025
Applicant (s) or Authorized Agent

Submit to Town Clerk with required fee: N/A (Checks payable to Town of Montgomery).

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FOR USE BY DEVELOPMENT REVIEW BOARD

DRB Application No. Zoning Permit Application No.: Fee Paid:

Date Received: Notice of Hearing Date: Date of Hearing:

Decision of Board: Approved ( ) Denied ( ) Date of Decision:

Conditions:

RECEIVED/PAID

Secretary, Development Review Board

APR 03 REC'D

Original to DRB and copies for applicant, listers, town clerk

## **Hazard Area Review for the Montgomery Development Review Board**

### **Project: Montgomery Center Community Decentralized Wastewater Treatment and Disposal System**

1. Refer to Attachment 1 for all drawings:
  - a. Refer to sheet G1 for the legend and G2 for General Notes.
  - b. The S-Series drawings depict the 100-year and 500-year flood elevations of each septic tank structure and Pump Station #1 within the floodway and 100/500-year floodplain, the 100-year flood elevation is the Base Flood Elevation (BFE). The drawings show existing grade contour elevations and the proposed elevation of the piping is shown on the profile. Both the septic tanks and effluent sewer (ES) and effluent force main (EFM) piping are buried. The drawings depict the floodway hatching.
    - i. S1 shows the plan view of the Pump Station #1 site
    - ii. S3 shows the location, description, and hydraulic profile of the Trout River crossing.
  - c. Refer to S28 for additional details on Pump Station #1.
  - d. Refer to S29 and S30 for septic tank details.
  - e. Refer to S32 for the effluent sewer lateral check valve and cleanout detail.
  - f. Refer to S33 for the Trout River banks stone fill, bank stabilization, crossing berm, cleanout, and air/vacuum release manhole.
2. The following is a short narrative related to Section 8.3(A)(2) of the Zoning Regulations. The project effluent sewer flows by gravity and is proposed to cross the Trout River (refer to S3). The proposed crossing will not alter or relocate the Trout River. The crossing will be installed using an open-cut approach and a berm. Bedrock was found during subsurface exploration of the area and the riverbed consists of large boulders and cobble. As a result, trenchless pipe installation technologies were not selected. The contractor will use the temporary berm dams to control water flow during excavation and always maintain downstream baseflow. The berm will have a semi-permeable non-woven medium to heavy weight geotextile fabric on the same side as the direction of flow to prevent the berm from being impacted by the river's flow. The contractor will minimize turbidity and sedimentation during construction. A silt fence will be set up around the dewatering equipment for the Trout River crossing to prevent any sediment from entering the river during installation. Dewatered flow shall drain back to the Trout River and shall

not negatively impact any property, dwelling, or structure. The project has applied for multiple permits that cover this crossing such as the US Army Corps of Engineers (US ACOE) Wetland Permit, VT Wetland Permit and VT Stream Alteration Permit. The project complies with regulations and will address agency comments on the design.

3. The following is in regard to Section 8.3(A)(3) of the Zoning Regulations. A Project Review Sheet was generated for the project in 2020; the Vermont Department of Environmental Conservation (DEC) later required Permit Navigator Results. Refer to Attachment 2 and Attachment 3, respectively. The following permits have been submitted: Indirect Discharge Permit, VT DEC Wetland Permit, US ACOE Wetland Permit, and Stream Alteration Permit. The following permits are in progress: Town Permits, VT Division of Fire Safety Construction Permit. The following permits will be obtained by the General Contractor prior to construction: Stormwater General Construction Discharge Permit. The following permits will be obtained during construction: Electrical Permit, Mechanical Permit. As indicated in Attachment 3, an ACT 250 permit is not required for this project as the total disturbance is less than 10 acres.
  
4. The following is a short narrative related to Section 8.3(A)(4) of the Zoning Regulations. Portions of the project are within the Special Flood Hazard Area (SFHA). For structures located within the floodway and/or floodplains the 100 and 500-year flood elevations are shown on the plans. The elevations were obtained from the Town of Montgomery Vermont Flood Insurance Study Dated July 5, 2001. The values were converted from NAVD29 to NAVD88 by a factor of -0.39ft per the NCAT Conversion Tool. Elevations of existing grade and proposed buried piping is shown on the plan and profiles. The Trout River crossing is within the SFHA, the effluent sewer pipe will be buried four feet below the invert of the Trout River channel which has an elevation of 511 feet. See the attached Scour Analysis (Attachment 4) which demonstrates that four feet of cover is sufficient. Pump Station #1 is located partially within the SFHA at 0 North Main St. The Pump Station conveys septic tank effluent to the treatment and disposal area. The critical components of the pump station infrastructure such as the electrical components, control panel, emergency generator, etc. are located at 512.50' which is above the 500-year flood elevation of 512.01' at this location. The pump station infrastructure below elevation 512.50', will be watertight and able to withstand submergence in the event of a flood. Refer to the section below for additional flood proofing measures related to the pump station and other project components. The designs

and elevations have been designed by and/or reviewed by a Vermont registered Professional Engineer.

5. The following is a short narrative regarding requirements under Section 8.3(A)(5). The project has multiple flood proofing measures to help build resiliency within the system and minimize damage during flooding events. The effluent sewer and effluent force main pipe material is fused HDPE SDR11 sewer pipe which is leakfree and will prevent infiltration into the system and prevent leaking out of the system. Cleanouts, lateral check valves, stub connections and air/vacuum release valve manholes located on the ES/EFM are all buried infrastructure. The air/vacuum release valve manhole requires buoyancy calculations by a VT Professional Engineer and an anti-buoyancy flange. The septic tanks are below grade and for tanks within the floodway/floodplain the General Contractor will be required to have buoyancy calculations completed by a VT Professional Engineer and where needed an anti-buoyancy flange will be cast into the concrete structure. Additionally, the septic tanks and covers are specified to be watertight. The Trout River crossing will not increase flood hazard during a flood event. As mentioned previously the critical electrical components and access to Pump Station #1 are located above the 500-year flood elevation to allow for continued operation and access during flooding events. All pump station infrastructure located below the 500-year flood elevation is designed to be watertight and able to withstand submergence. All penetrations into the concrete pump station for pipe and electrical conduit will be watertight with a watertight seal. Buoyancy calculations will be completed by a VT Professional Engineer and the pump station will have a concrete anti-buoyancy flange cast to the structure to prevent uplift during a flood event. The project design within the Hazard Areas has been designed in accordance with State of Vermont regulations in addition to the Zoning Regulation requirements. For infrastructure located underground there will be no change to grade and the utilities will be adequately protected from scour. Infrastructure located within the floodway and river corridor will not increase risk of damage to surrounding properties or infrastructure. The project was designed and/or reviewed by a Vermont registered Professional Engineer.
6. The Application Requirements Section 8.3(A)(6) specify the need for a hydraulic and hydro-geologic analysis for development within the floodway. Please see Attachment 4 for the scour analysis prepared by Fitzgerald Environmental. The Trout River crossing will be buried 4' below the channel bottom elevation of 511 feet. Materials excavated to bury the effluent sewer pipe will be placed back over the

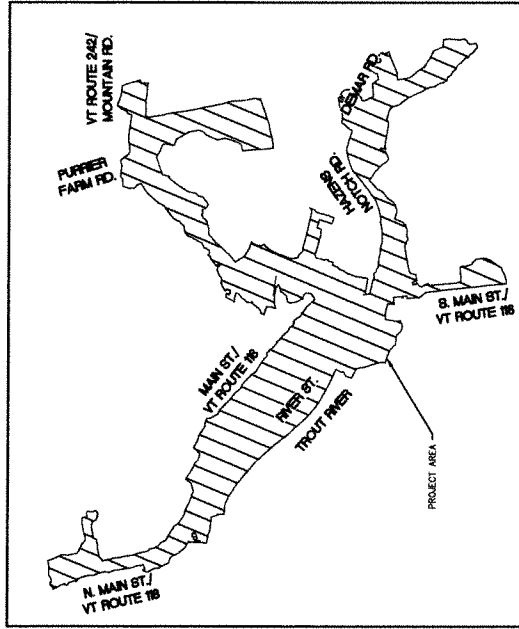
sewer pipe to restore the channel to its original condition. The riverbank will be restored using E-stone in accordance with Vermont Agency of Transportation Standard Specifications for Construction Section 706.05. The bottom of the river shall be restored with native materials excavated during construction (refer to drawing sheet S33 for additional details). The scour analysis shows that the river channels large substrate size is resistant to stream energy during floods. Furthermore, the Trout River channel bed does not appear to be susceptible to ongoing downcutting and/or severe scour that would threaten the sewer pipe. The Pump Station will not increase the base flood elevation (BFE) by more than 1' and will not increase flood hazard during a flood event. Furthermore, the contractor will be required to submit an erosion prevention and sediment control (EPSC) plan in accordance with the VT DEC's "Low Risk Site Handbook for Erosion Prevention and Sediment Control" and obtain a Vermont Stormwater General Construction Discharge permit.

7. In accordance with the Zoning Regulations Section 8.3 (A)(7) the plans submitted with this application depict the shortest horizontal distance between the Trout River top of slope and septic tanks located within the floodway.

BID SET # \_\_\_\_\_

# CENTER COMMUNITY DECENTRALIZED WASTEWATER TREATMENT AND DISPOSAL SYSTEM

CWSRF ID: RF1-340-2.1



LOCATION PLAN  
SCALE: 1:500

## SELECTBOARD:

- CHARLIE HANCOCK, CHAIR
- EMILY KIMBALL, VICE CHAIR
- SUZANNE DOLLOIS
- MARK BROUILLETTE
- LEANNE BARNARD

PREPARED BY:



125 College Street-4th Floor  
Burlington, VT 05401  
(802) 860-1331  
www.hoyletanner.com

DRAWING INDEX SHEET NUMBER	DRAWING NUMBER	DESCRIPTION
1	0	TITLE SHEET AND DRAWING INDEX
2	01	GENERAL NOTES AND ABBREVIATIONS
3	02	PROJECT KEY PLAN
4	03	PROPERTY AND ADJACENT PROFILE
5	04	WRRP PONDING PAD
6	05	WRRP PONDING PAD
7	06	WRRP PONDING PAD
8	07	WRRP PONDING PAD
9	08	ROUTE 242 WRRP VARD GRADING AND DRAINAGE PLAN
10	09	ROUTE 242 WRRP SUPPLY FIB & ACCESS DRAINAGE PLAN AND PROFILE I
11	10	ROUTE 242 WRRP SUPPLY FIB & ACCESS DRAINAGE PLAN AND PROFILE II
12	11	ROUTE 242 WRRP DRIP DISPERSION GRADING & DRAINAGE PLAN
13	12	CIVIL SITE DETAILS I
14	13	CIVIL SITE DETAILS II
15	14	CIVIL SITE DETAILS III
16	15	CIVIL SITE DETAILS IV
17	16	CIVIL SITE DETAILS V
18	17	CIVIL SITE DETAILS VI
19	18	CIVIL SITE DETAILS VII
20	19	CIVIL SITE DETAILS VIII
21	20	SEQUALIZATION TANKS & INFILTRANT PUMP STATION PLAN, SECTIONS & DETAIL
22	21	SECONDARY TREATMENT PLAN AND SECTIONS I
23	22	SECONDARY TREATMENT PLAN AND SECTIONS II
24	23	SECONDARY TREATMENT PLAN AND SECTIONS III
25	24	SECONDARY TREATMENT PLAN AND SECTIONS IV
26	25	CONTROL BUILDING PROCESS FLOOR PLAN AND SECTIONS
27	26	GENERATOR PLATIFORM PLAN
28	27	GENERATOR PLATIFORM DETAILS
29	28	MECHANICAL LEGEND AND ABBREVIATIONS
30	29	MECHANICAL SCHEDULES AND DETAILS
31	30	MECHANICAL SCHEDULES AND DETAILS
32	31	MECHANICAL SCHEDULES AND DETAILS
33	32	CONTROL BUILDING ARCHITECTURAL PLANS AND ELEVATIONS
34	33	CONTROL BUILDING ARCHITECTURAL NOTES I
35	34	CONTROL BUILDING ARCHITECTURAL NOTES II
36	35	ELECTRICAL LEGEND AND ABBREVIATIONS
37	36	ELECTRICAL SCHEDULES AND DETAILS
38	37	ELECTRICAL SCHEDULES AND DETAILS
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100	99	ELECTRICAL SCHEDULES AND DETAILS

FINAL DESIGN PLANS  
FOR TOWN  
PERMIT REVIEW