



WATER INFRASTRUCTURE PROJECT

Environmental Review Information Document



March 13, 2024

PROJECT TITLE: Bennett Pumping Station Improvements				
FUNDING RECIPIENT (ENTITY): Town of Newmarket				
COORDINATES: 43.083469615718336,-70.97602206342366				
PUBLIC WATER SYSTEM: Newmarket Water Works			PWS #: 1731010	
ENVIRONMENTAL REVIEW POINT OF CONTACT: Consultant				
ORGANIZATION: Underwood Engineers				
EMAIL ADDRESS: arees@underwoodengineers.com				
PROJECT LOCATION(S)				
ADDRESS	TOWN	COUNTY	TAX MAP	TAX LOT
Wadleigh Falls Road	DURHAM	Strafford	235	3

INTRODUCTION

The Town of Newmarket has applied for funds through the State of New Hampshire Department of Environmental Services (NHDES) American Rescue Plan Act (ARPA) and Drinking Water State Revolving Fund (DWSRF) to finance a water infrastructure improvements project.

This document fulfills the requirements Env-Dw 1108 relative to providing information on the environmental review required by Env-Dw 1100.

PROJECT BACKGROUND

The Bennett Well is one of 4 municipal wells that supply water to the Town of Newmarket. It is located in the Newmarket Plains Aquifer, which is a contiguous body of sand and gravel that is hydraulically separated from surface water bodies, including the Lamprey and Piscassic Rivers. The Bennett Well's capacity is 220 gpm. It is a gravel pack well with a depth of 48 feet and a seven-stage vertical turbine pump. The pump station has exceeded its useful life and is in need of replacement.

PURPOSE AND NEED

The electrical, process, and HVAC systems at the Bennett Well facility have exceeded their useful life. Safety, energy and electrical code items need to be addressed. The intent is to replace the building and equipment that has exceeded its useful life to make this water supply more resilient, reliable, and be brought up to current industry standards.

Provide background of this infrastructure including year of construction: The existing pumping station was constructed in 1974, with an addition constructed in 2001. The well pump and some of the piping and valves were replaced in 1997, which is also when the existing generator and SCADA was added. Chem feed was added in 2002.

ALTERNATIVES

The "no-action" alternative was considered. This well is critical infrastructure to the residents of the town. An eventual failure of the well or supporting equipment and systems would result in a limited amount of water supply for the town, including fire suppression. Replacement of the aged infrastructure was the only viable alternative.

PROJECT DETAILS

The existing facility will be demolished and a new one will be constructed. It will be in the same location as the existing facility, but larger. It will house a new well pump, new electrical equipment that meets codes, new HVAC systems and new chemical feed systems.

Permanent Disturbance: 1,100.00 sq. ft.
Temporary Disturbance: 10,000.00 sq. ft.
Total Disturbance: 11,100.00 sq. ft.

FUNDING PLAN

The Town of Newmarket voted to authorize funding in the amount of \$1,509,750.00 for this project on 01/17/2024.

The estimated cost of the overall project is \$1,644,636.00. The funding plan for this project is outlined below.

PROJECT SCHEDULE			
Project Milestone			Projected Date
Anticipated Bid Solicitation Date or Request for Quote Date			12/22/2021
Anticipated Bid Opening Date			01/26/2022
Anticipated Construction Start Date (includes site preparation or clearing)			04/01/2024
Anticipated Construction Completion Date			06/01/2025
Funding Source	Loan Amount	Grant Amount	Loan/Grant Number
American Rescue Plan Act (ARPA)	\$0.00	\$80,000.00	
Drinking Water State Revolving Fund (DWSRF)	\$1,446,000.00	\$0.00	1731010-03

ENVIRONMENTAL CONCERNS AND MITIGATION

The following sections evaluate the potential environmental and socio-economic impacts that may result from the proposed project and identify all existing or anticipated environmental permits related to the project.

AIR RESOURCES

Describe any anticipated air quality related impacts and proposed mitigation efforts.

None

Does the project include the addition or replacement of a fuel burning device, stationary engine, and/or internal combustion engine (e.g. boiler, generator, water pump engine, space heater)? Yes

Type(s) of fuel burning devices: Emergency Generator

Type(s) of fuel: Propane

Number of Diesel Engines: 0

Maximum heat output rating in million BTUs per hour (MMbtu/hr): 0.341

Does the project include any demolition?

Yes

Does the project include any renovation which includes any structures, siding, roofing, heating systems, piping or ductwork, insulation, or utility infrastructure, including but not limited to transite pipe, electrical line, water line, sewer line or storage tanks?

No

Will the project and/or construction generate any toxic air pollutants or fugitive dust?

Yes

Describe any Best Management Practices that will be implemented to avoid and minimize air impacts.

The Contractor will be required to control dust with the use of a water truck or other dust-retardant measures during construction. Contractor will be required to perform an asbestos survey of the building prior to demolition. If asbestos is found, it will be removed by a licensed professional.

Air Resources Division Review (the following section completed by NHDES staff)

Will the ambient air quality remain within national ambient air quality standards as a direct result of the implementation of the project?

Answer: Yes
Reviewer: Thomas Guertin
Comments: There are no activities described that will impact ambient air quality standards. The emergency engine (i.e. generator engine) as proposed is below permitting thresholds.

Will the siting, construction, and operation of the project be consistent with applicable State statutes and/or regulations concerning: regulated toxic air pollutants, fugitive dust, and/or opacity?

Answer: Yes
Reviewer: Thomas Guertin, 2/27/24
Comments: The designation of "Yes" assumes that best management practices are used to control dust from construction equipment and vehicular movement in the construction zone.

Will the project meet national emission standards for hazardous air pollutants?

Answer: Yes
Reviewer: Thomas Guertin, 2/27/24
Comments: None of the activities described have the potential to emit any hazardous air pollutants.

Will the project be in compliance with the requirements specified in Env-A 1800 Asbestos Management and Control?

Answer: Yes
Reviewer: Ray Walters, 3/5/24
Comments: The summary of this project indicates that a demolition is planned. Best Management Practices above are described as requiring the Contractor to perform an asbestos survey of the building prior to demolition, and if asbestos is found, it will be removed by a licensed professional. Note that in addition to the asbestos inspection, which is required to be conducted by a qualified individual as defined in Env-A 1802.14, a Notification for Demolition is required to be submitted to ARD at least 10-working days prior to beginning the demolition, whether any ACM is found or not. If any ACM is identified during the pre-demolition inspection which will result in the removal or disturbance of the ACM, then it is likely that there would be additional requirements to be followed, including notification, work practice, packaging, and disposal requirements for the ACM.
Reviewer: Molly Thunberg

Comments: For projects that involve renovation or demolition, the following may have to take place before any work can commence:
<ul style="list-style-type: none">• An inspection by an asbestos inspector of the affected portions of the project for the presence of ACM, prior to undertaking any demolition or renovation;• Written notice to the NHDES Asbestos Management Section at least 10 working days before any demolition, whether or not the presence of ACM was identified, or before the removal or disturbance of more than 10 linear feet on pipes or ducts, 25 square feet on the surface of facility components, or 3 cubic feet of ACM during a renovation;• Hiring a New Hampshire licensed asbestos abatement entity or certified workers, depending on the scope of work, to conduct the abatement of the ACM; and• Proper disposal of any ACM and notification to NHDES of the disposal.

ALTERATION OF TERRAIN

Does the project include any of the following earth moving activities as defined in Env-Wq 1502.19 (filling, grading, dredging, mining, excavation, construction, topsoil removal, stump removal, stockpiling earth material, or any other activity that results in a change to the pre-existing conditions and/or contours)?

Yes

Does the project include a temporary or permanent disturbance of 100,000 square feet of terrain, or 50,000 square feet of terrain with any portion of disturbance within the protected shoreland as defined by RSA 483-B?

No

Does the project include the disturbance of an area exceeding the steep slope criteria of Env-Wq 1502.58(b)(1)?

No

Does the project meet the criteria outlined in Env-Wq 1503.03 General Permit by Rule?

Yes

Alteration of Terrain Program Review (the following section completed by NHDES staff)

Does the project involve earth moving activities, as defined under Env-Wq 1502.19, that would trigger an Alteration of Terrain review?

Answer: Yes
Reviewer: Mike Schlosser, 3/4/24
Comments:

Is the project consistent with all criteria outlined in Env-Wq 1503.03, allowing the project to proceed under the General Permit by Rule (GPBR)?

Answer: Yes
Reviewer: Mike Schlosser, 3/4/24
Comments:

If the project is not consistent with all criteria in Env-Wq 1503.03, can the project proceed under the GPBR if a waiver is requested and approved?

Answer: N/A
Reviewer: Mike Schlosser, 3/4/24
Comments:

Will the project require an Alteration of Terrain permit?

Answer: No
Reviewer: Mike Schlosser, 3/4/24
Comments:

COASTAL ZONE MANAGEMENT

Is the project located within any of the municipalities in NH’s coastal zone?

Yes

Will the project require a federal license of permit (e.g. Army Corps of Engineers section 10 or 404 permit; National Pollution Discharge Elimination System (NPDES) permit)?

No

Coastal Zone Management Review (the following section completed by NHDES staff)

Is the project consistent with the enforceable policies of the NH Coastal Program in accordance with Section 307 of the Coastal Zone Management Act of 1972, as amended? [PL 92-583]

Answer: Yes

Reviewer: Chris Williams
Comments:

CONTAMINATION AND HAZARDOUS WASTE SITES

Is the project located within one-half (1/2) mile of any known environmental contamination sources?
Unknown

Waste Management Division Review (the following section completed by NHDES staff)

Does the WMD anticipate any adverse effects from this project?

Answer: No
Reviewer: Meaghan Broderick
Comments: WMD does not anticipate any adverse effects from this project.

Does the Superfund Section anticipate any adverse effects from this project?

Answer: No
Reviewer: Andrew Hoffman
Comments: There are no superfund sites in Newmarket.

Will the project address any active and ongoing violations and/or enforcement actions?

Answer: No
Reviewer: Meaghan Broderick
Comments: There are no active or ongoing WMD violations or enforcement actions in the project area.

DESIGNATED RIVERS

Does the project fall within a Designated River Corridor?
No

Rivers Management and Protection Program Review (the following section completed by NHDES staff)

Is the project consistent with the provisions of the Rivers Management and Protection Act and have appropriate advisory committees been notified? [RSA 483]

Answer: N/A
Reviewer: Tracie Sales, 2/26/2024
Comments: The proposed project to upgrade the Bennett Pump Station in Newmarket, NH is not located within the corridor of a state designated river and is therefore unlikely to impact the nearby designated Lamprey or Piscassic rivers. Rivers Program staff has no objection to this project.

Will the project avoid adversely affecting any rivers designated, or which are being considered for designation, under the federal Wild and Scenic Rivers Act? [PL 90-542]

Answer: N/A
Reviewer: Tracie Sales, 2/26/2024
Comments: The proposed project to upgrade the Bennett Pump Station in Newmarket, NH is not located within the corridor of a federally designated Wild and Scenic river and is therefore unlikely to impact the nearby Wild and Scenic Lamprey River.

DRINKING WATER AND GROUNDWATER

Does the project include the siting, rehabilitation, hydrofracking, or permitting of one of the following: a community water supply well OR a non-community, non- transient water supply well for a non-profit entity?

No Type of Well: N/A

Will the project result in any wastewater discharge (including treatment backwash) onto or into the ground?

Other

The project may require registration or permitting from the Underground Injection Control and/or Groundwater Discharge Programs. If the project is already registered/permited, provide the registration and/or permit number:
N/A

Have adequate measures been taken to ensure that activities associated with this project will not lead to the discharge of potential contamination to the ground and comply with rule Env-Wq 401 regarding Best Management Practices for Groundwater Protection?

Yes

Drinking Water and Groundwater Bureau Review (the following section completed by NHDES staff)

Does the DWGB anticipate any adverse effects from this project on groundwater resources (e.g. bedrock/overburden aquifers, private water supplies, or public water supplies/systems)?

Answer: No
Reviewer: Andrew Koff 3-6-2024
Comments:

Does the project require registration or permitting from the Underground Injection Control and/or Groundwater Discharge programs? [Env-Dw 404; Env-Dw 402]

Answer: No
Reviewer: Andrew Koff 3-6-2024
Comments:

Have adequate measures been taken to ensure that activities associated with this project will not lead to the discharge of potential contamination to the ground, and comply with rule Env-Wq 401 regarding Best Management Practices for Groundwater Protection?

Answer: Yes
Reviewer: Andrew Koff 3-6-2024
Comments:

Is the project consistent with the Sole Source Aquifers program? [SDWA 1421(e)]

Answer: N/A
Reviewer: Andrew Koff 3-6-2024
Comments:

Will the project address any active and ongoing violations and/or enforcement actions?

Answer: N/A
Reviewer: Eric Skoglund; February 26, 2024
Comments: There are no open or ongoing violations/significant deficiencies associated with this waster system.

FARMLAND PROTECTION POLICY ACT

Does the project involve acquisition of undeveloped land, conversion of undeveloped land, new construction, or site clearance?

No

Will the project impact prime farmland, unique farmland, and/or land of statewide or local importance?

N/A

Environmental Review Coordinator Review (the following section completed by NHDES staff)

Will the project avoid adversely affecting significant amounts of prime agricultural land or agricultural operations on this land? [Farmland Protection Policy Act]

Answer: Yes
Reviewer: NRCS Farmland Conversion Impact Assessment
Comments: Based on a review of Natural Resources Conservation Service (NRCS) Web Soil Survey data, no soils in the project area are designated as prime farmland or farmland of local importance.

FLOODPLAIN MANAGEMENT

Is the project located within, or will it have an impact on, a 100-year floodplain (Zone A) or Coastal High Hazard zone (Zone V) as identified by FEMA?

No

Please describe why the project cannot be located outside of these areas, including a summary of any and all alternatives that were considered. Also provide a description of the measures proposed to mitigate these impacts.
N/A

Environmental Review Coordinator Review (the following section completed by NHDES staff)

Is the project consistent with Executive Order 14030 (Federal Flood Risk Management Standard [FFRMS]) regarding construction on floodplains?

Answer: Yes
Reviewer: FEMA Federal Flood Risk Management Standard consultation
Comments: The project impact area is not located in a flood hazard zone (see attached FEMA FIRMette map).

HISTORICAL, CULTURAL, AND RECREATIONAL RESOURCES

Has a Request for Project Review (RPR) been submitted to the NH Division of Historical Resources (NHDHR) for the entire project scope?

No

Will the project result in changes to historical resources (including archaeological resources, cultural resources, or historic properties)?

No

Does the project require work on, or demolition of, any historic buildings (greater than 45 years old), structures (bridges, walls, culverts, etc.), districts, and/or landscapes?

Yes

Provide the age of the resource(s) to be impacted.

50

Is the project located within, or directly adjacent to, a historic district?

No

Is the project scope limited to the repair, replacement, or installation of infrastructure piping, equipment, and/or appurtenances where all work will occur within an existing building footprint, utility trenches, road surfaces?

No

Does the project involve ground disturbing activity? Describe current and previous land use and disturbances.
Yes - Land uses prior to the construction of the water supply building in 1974 is unknown.

Will construction activities occur within 25 feet of a cemetery?

No

Environmental Review Coordinator Review (the following section completed by NHDES staff)

Will the project comply with Executive Order 11593 – Protection and Enhancement of the Cultural Environment?

Answer: Yes
Reviewer: Division of Historical Resources: RPR 15819

Comments: The Division of Historical Resources (DHR) reviewed the project scope (RPR 15819). DHR recommends a finding of *No Historic Properties Affected*. Should the scope of the project change, additional review by DHR will be required.

Will the project comply with sections 106 and 110 of the National Historic Preservation Act?

Answer: Yes

Reviewer: Division of Historical Resources: RPR 15819

Comments: The Division of Historical Resources (DHR) reviewed the project scope (RPR 15819). DHR recommends a finding of *No Historic Properties Affected*. Should the scope of the project change, additional review by DHR will be required.

Will the project avoid significant adverse effects on parklands or other public lands, or areas of recognized scenic or recreational value?

Answer: Yes

Reviewer: Division of Historical Resources: RPR 15819

Comments: The Division of Historical Resources (DHR) reviewed the project scope (RPR 15819). DHR recommends a finding of *No Historic Properties Affected*. Should the scope of the project change, additional review by DHR will be required.

INTERGOVERNMENTAL REVIEW

Has a request for intergovernmental review been submitted to the NH Office of Strategic Initiatives for the entire project scope?

No

Have the results been received?

N/A

Environmental Review Coordinator Review (the following section completed by NHDES staff)

Has the Intergovernmental Review Process been completed and have all comments been adequately addressed? [NH EO 83-10]?

Answer: In process

Reviewer: Department of Energy

Comments: SAI# NH 24-052 – Intergovernmental Review in process, any comments received will be included in the final document.

NOISE

Will the project result in increased noise sources, or impact noise-sensitive areas (e.g. residential areas, schools, libraries)? Please consider both permanent and temporary impacts.

Yes

Describe any anticipated noise impacts that will occur as a result of the project (both temporary and permanent).

There will be a temporary increase in noise during construction. There are residential properties in the area, but the pumping station is surrounded by woods and a gravel pit, and the nearest residential structure is close to 400' away.

There will be a permanent emergency generator onsite, within a sound-attenuated enclosure. It will run only as needed during a power outage and during maintenance exercising.

PLANTS AND WILDLIFE

Has an NHB Datacheck/IPAC/NOAA been submitted?

Submitted?: No NHB Reference Number: N/A

Will the project occur entirely within a developed area (an area that is already paved or supports structures) and the only vegetation is limited to frequently mowed grass or conventional landscaping?

Yes

Will the project involve the removal of trees and/or vegetation?

No

Please characterize the vegetation to be removed:

N/A

Please quantify the vegetation to be removed in acreage (ONE acre is 43,560 square feet):

N/A

Timing of Activity (what month(s) vegetation removal will occur):

N/A

Have any sensitive plant and/or animal species, exemplary natural communities, and/or natural community systems been identified within the project area in any of the consultations.

NHB DataCheck

Consultation with the Natural Heritage Bureau (NHB) DataCheck identified the following species in the vicinity of the project area. All are afforded protections either under RSA 212-A or NH Fish and Game Rules: Blandings Turtle and Spotted Turtle.

USFWS IPaC

The US Fish and Wildlife Service (USFWS) Section 7 Consultation has identified the following species in the project vicinity: Monarch Butterfly and Northern Long-eared Bat.

What any or all conservation and/or mitigation measures will be incorporated into the project (including measures that would reduce a significant impact to a less than significant impact, if applicable).

New Hampshire Fish and Game Rare Wildlife Conservation Measures

To avoid or minimize impacts to state rare wildlife species, NHFG requests the following conservation measures be implemented for the proposed project. The conservation measures are valid for 1-year from the date of application/grant funding approval. If the proposed project is not underway within that timeframe, NHFG requires a new NHB datacheck results letter be acquired and NHFG shall be contacted to verify the below conservation measures are still applicable. The highlighted text should be updated, and the below conservation measures should be incorporated in final plan sheets.

1. Blanding Turtle (State Endangered) and Spotted Turtle (State Threatened) occur within the vicinity of the project area. All operators and personnel working on or entering the site shall be made aware of the potential presence of these species and shall be provided flyers that help to identify these species, along with NHFG contact information. **See Plan Sheet xxxxxx. Include attached flyers to plan sheet set.**
2. Rare species information (e.g. identification, observation and reporting of observations, when to contact NHFG immediately and NHFG contact information) shall be communicated during morning tailgate meetings prior to work commencement during the construction phase of the project. **See Plan Sheet xxxxxx. Include attached flyers to plan sheet set.**
3. Turtles may be attracted to disturbed ground during nesting season. Turtle nesting season occurs approximately May 15th – June 30th. All turtle species nests are protected by NH laws. If a nest is observed or suspected, operators shall contact Melissa Winters (603) 479-1129 or Josh Megyesy (978) 578-0802 at NHFG *immediately* for further consultation. The nest or suspected nest shall be marked (surrounding roped off or cone buffer deployed) and avoided; this shall be communicated to all personnel onsite. Site activities shall not occur in the area surrounding the nest or suspected nest until further guidance is provided by NHFG.
4. All manufactured erosion and sediment control products, with the exception of turf reinforcement mats, utilized for, but not limited to, slope protection, runoff diversion, slope interruption, perimeter control, inlet protection, check dams, and sediment traps shall not contain plastic, or multifilament or monofilament polypropylene netting or mesh with an opening size of greater than 1/8 inches. **See Plan Sheet xxxxxx.**
5. All observations of threatened or endangered species on the project site shall be reported immediately to the NHFG nongame and endangered wildlife environmental review program by phone at (603) 271-2461 and by

email at NHFGreview@wildlife.nh.gov, with the email subject line containing the NHB DataCheck tool results letter assigned number, the project name, and the term Wildlife Species Observation.

6. Photographs of the observed species and nearby elements of habitat or areas of land disturbance shall be provided to NHFG in digital format at the above email address for verification, as feasible.
7. In the event a threatened or endangered species is observed on the project site during the term of the permit, the species shall not be disturbed, handled, or harmed in any way prior to consultation with NHFG and implementation of corrective actions recommended by NHFG.
8. Site operators shall be allowed to relocate wildlife encountered if discovered within the active work zone if in direct harm from project activities. Wildlife shall be relocated in close proximity to the capture location but outside of the work zone and in the direction the individual was heading. NHFG shall be contacted immediately if this action occurs.
9. All construction materials and materials relating to construction shall be removed from the property upon the completion of work.
10. The NHFG, including its employees and authorized agents, shall have access to the property during the term of the permit.

Environmental Review Coordinator Review (the following section completed by NHDES staff)

Will the project comply with State regulations regarding state-listed threatened or endangered species or exemplary communities? [RSA 212-A; RSA 217-A]

Answer: Yes

Reviewer: NHB24-0578, NH Fish and Game

Comments: A Natural Heritage Bureau (NHB) DataCheck (NHB24-0578) was conducted. The NHB DataCheck identified Blanding's turtle (state endangered) and Spotted turtle (state threatened) in the vicinity of the project area and required follow-up with New Hampshire Fish and Game (NHFG). See the conservation/mitigation section above for best practices to avoid impacts to plant and wildlife species.

Will the project comply with the Endangered Species Act of 1973? [PL 93-05]

Answer: Yes

Reviewer: US Fish and Wildlife Service (IPaC), Natural Heritage Bureau (NHB24-0578), NH Fish and Game

Comments: New Hampshire Fish and Game does not expect impacts to the federally listed IPaC species. Consultation with the US Fish and Wildlife Service's Section 7 digital planning tool: Information for Planning and Consultation (IPaC) determined there will be "No Effect" to the northern long-eared bat. See the conservation/mitigation section above for best practices to avoid impacts to plant and wildlife species.

Will the project comply with the Bald and Golden Eagle Protection Act?

Answer: Yes

Reviewer: US Fish and Wildlife Service (IPaC)

Comments: The Bald Eagle may occur in the vicinity of the project. Wherever possible, schedule earth clearing outside the window of when Bald Eagles are present to avoid possible impacts.

Will the project comply with the Migratory Bird Treaty Act of 1918?

Answer: Yes

Reviewer: US Fish and Wildlife Service (IPaC)

Comments: Several migratory bird species may occur in the vicinity of the project area including: Bald Eagle, Black-billed Cuckoo, Bobolink, Canada Warbler, Chimney Swift, Eastern Whip-poor-will, Golden Eagle, Pectoral Sandpiper, Red-headed Woodpecker, Rusty Blackbird, and Wood Thrush. Wherever possible, schedule earth moving activities outside the window of when these species may be present to avoid impacts to migratory birds.

If any waterbodies will be impounded, diverted, controlled, or modified then will the project comply with the Fish and Wildlife Coordination Act?

Answer: Yes
Reviewer: Molly Thunberg
Comments: No waterbodies will be impounded as part of this project.

SHORELAND

Will any portion of the project occur within 250 feet of public waters?
 No

Has a Shoreland Permit been obtained or applied for?
 Permit?: N/A Permit Number: N/A

Shoreland Program Review (the following section completed by NHDES staff)

The project appears to require review and permitting by the Shoreland Protection Program. [RSA 483-B]

Answer: No
Reviewer: D. Forst
Comments:

Will the project address any active and ongoing violations and/or enforcement actions?

Answer: No
Reviewer: D. Forst
Comments:

SOCIAL AND ECONOMIC

Will the project serve a disadvantaged community or result in any impacts on disadvantaged residential areas?
 Yes

Environmental Review Coordinator Review (the following section completed by NHDES staff)

Will the siting avoid having a significant adverse effect on an existing residential area in accordance with Executive Order 12898 regarding Environmental Justice?

Answer: Yes
Reviewer: Molly Thunberg
Comments: This project is expected to have positive social and economic impacts for the community served.

WASTEWATER – RESIDUALS MANAGEMENT

Does the proposed project include any construction that may encounter wastewater or wastewater treatment facility (WWTF) sludge/biosolids? Not applicable for Wastewater projects.
 No

Does the drinking water system contain a drinking water treatment facility (DWTF)?
 Yes

Does the proposed project involve infrastructure (e.g. piping, pumps/stations/storage) for raw water (from the source to system inlet) or treated water (from the DWTF outlet to the end user)?
 Yes

Does the DWTF include the discharge of water residuals from treatment equipment backwash process to an external infiltration lagoon/basin for dewatering/disposal?
 No

Does the proposed project include any construction that may encounter drinking water treatment facility sludge?
 No

Wastewater – Residuals Management Review (the following section completed by NHDES staff)

Is the project consistent with EPA’s most recent version of Standards for the Use and Disposal of Sewage Sludge? [40 CFR 503]

Answer: N/A
Reviewer: Patricia Chesebrough
Comments: None

Is the project consistent with EPA’s 1996 handbook “Technology Transfer Handbook: Management of Water Treatment Plant Residuals”?

Answer: N/A
Reviewer: Patricia Chesebrough
Comments: None

Is the project consistent with the current State regulations regarding sludge disposal? [Env-Wq 800]

Answer: N/A
Reviewer: Patricia Chesebrough
Comments: None

WASTEWATER AND STORMWATER PERMITTING

Will the total contiguous land disturbance for this project and any additional phases be one (1) acre or more?

No

Will there be a dewatering discharge to a surface water during construction?

No

Is the discharge contaminated, or does it have the potential to be contaminated?

N/A

Does the project involve the construction or upgrade of a wastewater treatment facility or water treatment facility?

Yes

Will the completed project result in a new or increased discharge to a surface water?

No

Does the project involve the addition, modification, or relocation of a stormwater discharge?

No

Wastewater – Permitting Review (the following section completed by NHDES staff)

Does the project require any State Surface Water Discharge Permits and/or Federal NPDES Permits, including the NPDES Stormwater Permits? [CWA 402; 40 CFR 122.26 (b) et seq.; CWA 402(p)]

Answer: No
Reviewer: Hayley Franz 2/26/2024
Comments: Because the project will not result in one acre or more of land disturbance or a dewatering discharge to a surface water, no Federal NPDES Permits or State Surface Water Discharge Permits are required.

Is the project subject to the state antidegradation policy? [40 CFR 131.12; Env-Wq 1708]

Answer: No
Reviewer: Hayley Franz 2/26/2024
Comments: Because the project will not result in a new or increased discharge to a surface water, the antidegradation policy does not apply.

Will the project address any active and ongoing violations and/or enforcement actions?

Answer: No

Reviewer: Teresa Ptak 2/26/2024
Comments:

WETLAND PROGRAM

Does the project area contain any vernal pools?

No

Describe what measures and construction practices will be implemented to minimize impacts to these resources.

N/A

Are impacts to wetlands and/or streams anticipated as a result of this project?

No

Describe the impacts and quantify, in square footage, the temporary and permanent disturbance.

N/A

Has a wetland permit been obtained from the NHDES Land Resource Management Program?

N/A

Does the project include stream crossings consisting of repair, replacement, replacement-in-kind, rehabilitation (e.g. slip lining); installation of a culvert, arch, or bridge; or installation of a temporary stream crossing?

No

Will any waterbodies be impounded, diverted, controlled, or modified as part of the project?

No

Wetland Program Review (the following section completed by NHDES staff)

Under the provisions of RSA 482-A the project appears to require review and permitting by the Wetlands Bureau.

Answer: No
Reviewer: K. Benedict
Comments: No wetland or streams proposed to be impacted as a result of the project.

Are there any ongoing enforcement actions which will be affected by this project?

Answer: No
Reviewer: K. Benedict
Comments:

Will the project comply with the Magnuson-Stevens Fishery Conservation and Management Act?

Answer: Yes
Reviewer: Molly Thunberg 2/23/2024
Comments: No waterbodies will be impounded as part of this project.

PUBLIC REVIEW

A public notice will be published by NHDES and the Town of Newmarket and public comment period held in accordance with the Env-Dw 1100.

Based on the information outlined above and in accordance with Env-Dw 1100, NHDES has determined that project qualifies for a Finding of No Significant Impact (FONSI).

ATTACHMENTS

The following attachments detail this project:

- Attachment A USGS Map
- Attachment B FEMA Flood Map
- Attachment C Photos

Map by NH GRANIT
Newmarket: Bennett Pump Station

Attachment A



Legend

- State
- County
- City/Town

1 X: 1168692.144330
Y: 213383.073185

Map Scale

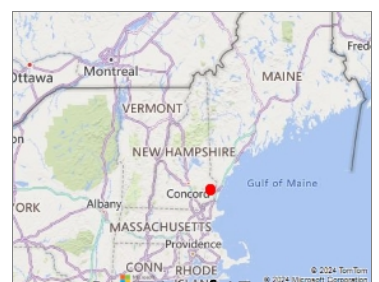
1: 24,000



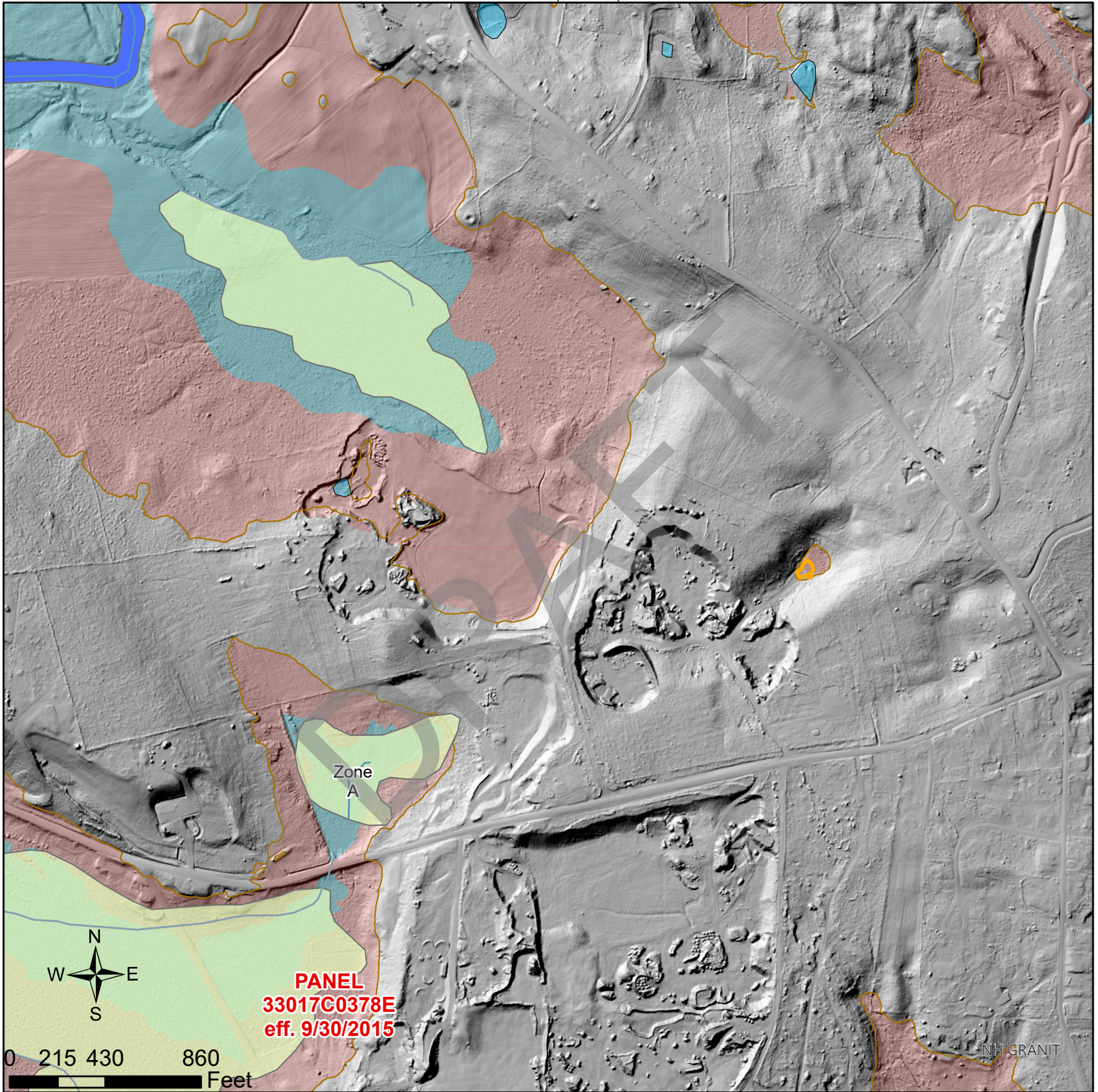
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Map Generated: 2/23/2024

Notes



Date exported: 2/23/2024
Data credit NHDES, GRANIT, FEMA



Legend

NHDArea

 StreamRiver


 LakePond

 SwampMarsh

 Base Flood Elevations


 Base Flood Elevations


Flood Hazard Zones

 1% Annual Chance Flood Hazard

Lidar BareEarth DEM meters

Value

 ≤ 29.870400000000004

 ≤ 1916.6

 Bennett Well PS



EXTERIOR OF EXISTING BENNETT PUMPING STATION, FACING EAST



INTERIOR OF EXISTING BENNETT PUMPING STATION, FACING WEST