

Kilby Street Booster Pump Station



Notice of Intent
Hingham, Massachusetts

May 2025



PREPARED FOR:

Weir River Water System
185 Lincoln St Suite 202
Hingham, MA, 02043





May 22, 2025

Ms. Shannon Palmer, Conservation Officer
Hingham Conservation Commission
210 Central Street
Hingham, MA 02043

RE: Kilby Street Booster Pump Station
Weir River Water System
Hingham, Massachusetts
Wetland Protection Act Notice of Intent

Dear Ms. Palmer,

On behalf of the Weir River Water System (WRWS), Apex Companies, LLC (Apex) submits this Notice of Intent (NOI) for the Kilby Street Booster Pump Station in accordance with the Massachusetts Wetlands Protection Act (M.G.L. Chapter 131 Section 40), the Massachusetts Wetlands Protection Regulations (310 CMR 10.00), and the Town of Hingham Part 1, Chapter 7.4 Wetland Regulations.

This NOI includes the following appendices.

- Appendix A: Notice of Intent (NOI) Checklist and Policy on Receipt of Information
- Appendix B: Massachusetts Department of Environmental Protection (MassDEP) WPA Form 3
- Appendix C: Figures
- Appendix D: Kilby Street Booster Pump Station Permitting Plans
- Appendix E: Town of Hingham Board of Appeals Notice of Decision
- Appendix F: Wetlands Delineation Documentation
- Appendix G: MassDEP Notice of Wetland Fee Transmittal Form
- Appendix H: Affidavit of Service, Certified of Mailing, Abutter Notification Form, Abutter's List
- Appendix I: Stormwater Report
- Appendix J: Seed Mixes for Stormwater Retention Pond and Buffer Mitigation Plantings
- Appendix K: Proof of Electronic Filing to the MA Department of Environmental Protection

This Project proposes to construct a Booster Pump Station (BPS) to facilitate in filling a new water storage tank planned for construction in Hull, MA. The proposed BPS is located on Town-owned property at 0 Kilby Street in Hingham (Town Parcel ID 64-0-2) on a partially wooded slope. This site was chosen as it satisfied several key site requirements, discussed below in the Project Need and Background.

The proposed BPS site plan includes the following:

- No reduction of the existing tree line and no alteration to the existing resource area
- Mitigation planting according to the Buffer Zone Mitigation Policy
- One stormwater infiltration pond
- A 675 square foot structure housing a pump room, sewer room, and bathroom
- Two 9-foot by 18-foot parking spaces
- An underground vault within the parking spaces
- A 9 square foot landing pad for the bathroom doorway
- A 27 square foot concrete pad for the main doorway
- A natural gas generator and a 30 square foot concrete pad to support the generator
- Fencing surrounding the structure with an access gate to Kilby Street
- Fencing surrounding the generator with an access gate

- Utility connections from the site to Kilby Street

The Mitigation planting, in accordance with the Buffer Zone Mitigation Policy, will consist of a restoration of an area greater than the impervious area created as a result of the construction of the BPS. Tree saplings, shrubbery and herbaceous plantings are proposed for pollinator benefit, wetland restoration, and soil stability.

The proposed stormwater infiltration pond and site grading will provide detention and treatment of stormwater runoff from the site in accordance with the provisions provided in the Massachusetts Stormwater Handbook.

Project Need and Background

The WRWS's recent Water System Master Plan (WSMP) identified inadequate fire flow availability in Hull. To address this issue, a new water storage tank is planned for construction at Strawberry Hill within Hull. Due to the distance between the WRWS's water treatment plant (WTP) and Strawberry Hill, the WTP will not be able to adequately fill the proposed tank without causing extreme pressures in the vicinity of the treatment plant, as well as overflowing the existing Turkey Hill Tank.

A BPS located between the WTP and the proposed tank would allow the WRWS to fill the tank without causing extreme pressures within the system. Apex performed a siting analysis for the BPS and identified Kilby Street as the preferred location for the BPS because it is far enough south to include several properties with large fire protection needs within the service area of the new water storage tank, it already contains a large diameter transmission main sufficient for pumping large flow rates, it is located at an elevation which would allow for acceptable upstream and downstream pressures at the BPS, and it is located at a natural "choke point" in the system which would require minimal system reconfiguration (valve closures, new check valves) to isolate the new Hull pressure zone. Therefore, the Town owned parcel at 0 Kilby Street was selected as the location for the proposed BPS.

The proposed BPS will be designed, to the extent practical, to resemble a residential structure, and reduce its visual impact to surrounding properties. With minimal daily visitors and low noise levels, the station will not disrupt the daily lives of residents or the surrounding environment. This project is necessary for meeting the community's existing and growing needs and to ensure reliable water service and adequate fire flow availability within Hull.

Project Location and Topography

The proposed parcel is approximately a quarter acre in area with an address of 0 Kilby Street and abuts 39 Kilby Street ("Sons of Italy") to the south and a residential property at 57 Kilby Street to the north. To the east, the parcel abuts a lot currently used for farming. To the west, the parcel abuts a residential property at 30 Kilby Street and an undeveloped wooded parcel. Topography on site generally slopes from a high point at the north-western corner of the parcel near the roadway, sloping gradually to the south-east towards the wooded wetlands at the eastern edge of the parcel. The western portion of the parcel which is proposed for development currently consists of tall grasses and small ferns and shrubs.

Project Variances

In order to proceed, Apex on behalf of the WRWS, appeared before the Town of Hingham Board of Appeals on the matter of Variances. The Notice of Decision is included in Appendix E. The Board of Appeals unanimously granted Variances from Section IV-A; Section IV-B, 2; and Section IV-B, 5 of the By-Law and other such relief as necessary to build a new booster pump station on this site. A variance from Section IV-A allowed a 20-foot setback where 40 feet is required from the roadway in the front of the property. A variance from Section IV-B, 2 allowed reduced requirements for a landscaped portion of frontage given the lot constraints. Lastly, a variance from Section IV-B, 5 allows for the proposed parking spaces, a nine square foot concrete landing pad for the entrance to the bathroom, and a security fence where landscaping or green space would otherwise be required. Approval of these variances is contingent on providing to the Board of Appeals:

1. A plan prepared by a licensed surveyor prior to applying for a building permit. This plan shall confirm the location of the pump station consistent with the project plans submitted in the variance application.
2. All proposed work shall be completed consistent with the approved plans and presentations made at the hearing before the Board.
3. Before a certificate of occupancy is issued Apex shall submit an as-built plan confirming that the project was constructed in accordance with the plans approved by the Board of Appeals.

Resource Areas

The wetland resource adjacent to the project area is defined as Bordering Vegetated Wetland. This area is defined by the Wetland Project Regulations described further herein as they relate to the proposed project.

- 310 CMR 10.55 defines "Bordering Vegetated Wetland" as "freshwater wetlands which border on creeks, rivers, streams, ponds and lakes." The proposed project is located in the 100-foot buffer zone associated with Bordering Vegetated Wetlands. The Kilby Street Booster Pump Station Permitting Plans included in Appendix D provide wetland delineation limits and wetland buffer zone limits.

The limits of the wetland resource areas were delineated by Pinebrook Consulting on June 7, 2024. The wetland limits and associated buffer zones are shown on the permitting design plans included in Appendix D. Pinebrook Consulting's Wetland Delineation Report and sketches are included in Appendix F.

The site is not located within any Areas of Critical Environmental Concern. There are no potential nor certified Vernal Pools located in the extents of the site or in proximity to the site. Further, the site is not located in any NHESP Priority Habitats of Rare Species or Estimated Habitats of Rare Wildlife. Figure 3 of Appendix C places the site in context of NHESP Areas of Critical Environmental Concern, Vernal Pools, and Habitats of Rare Species and Wildlife. The site is not located within any FEMA flood zones as shown in Figure 4 of Appendix C.

Impact to Resource Areas

The proposed BPS will have no permanent impact on the Bordering Vegetated Wetlands. The proposed structure is not within the existing tree line and is outside of the 50-foot buffer zone for the Bordering Vegetated Wetland. Cleanup and restoration work will be performed throughout and upon completion of the project.

Proposed Environmental Protection Measures

In order to mitigate impacts to the wetland resource area during construction activities, the following environmental protection measures will be provided along the project limits of work:

- Erosion and sedimentation control devices (i.e. filter sock) will be installed as shown on the permitting design sheets and per the detail on sheet CD-3. This measure will control sedimentation and erosion within the limits of work. Erosion and sedimentation control devices will be inspected and maintained daily during the construction period.
- Silt sacks will be installed in each catch basin within and immediately adjacent to the work zone to avoid transmission of sediment to downstream wetland resource areas.
- Any water discharged from dewatering activities during construction will be directed through a dewatering bag as shown on the detail on sheet CD-3 of the permitting design sheets to minimize sediment from transporting to wetland resource areas.
- The project implements Low Impact Development (LID) Stormwater Best Management practices in accordance with the Massachusetts Stormwater Standards.
- Stockpiles of excavated material and aggregate materials (sand, gravel, and stone) will be stored within the filter sock boundary as shown in the permitting design sheets. Materials will be delivered on an as-needed basis.

Stormwater Management

The project requires site clearing, new impervious cover, and minor changes in site grading to accommodate the BPS. The project minimizes clearing and grading to the maximum extent practical. The design and construction of the proposed stormwater management systems for the project are in accordance with the Massachusetts Stormwater Standards. This NOI submission includes a Stormwater Report for the BPS site, included in Appendix I, which discusses each of the Stormwater Standards.

Proposed Impervious Surface

0 Kilby Street is an undeveloped 0.7-acre Town-owned site. Apex has worked to design the proposed BPS with the smallest possible impervious footprint. The total impervious area added to the lot will be 1,350 square feet. Table 1 below outlines the various impervious areas of the site summed together to reach the total impervious area proposed.

Table 1: Impervious Surface Area for Proposed BPS at 0 Kilby Street

Site Feature	Impervious Area (square feet)
Building	672
Generator Pad	30
Concrete Landing Pad for Bathroom Doorway	9
Concrete Pad for Pump Room and Sewer Room Doorways	30
Parking Spaces	609
Total Impervious Area	1,350

Proposed Buffer Zone Mitigation

In accordance with the Buffer Zone Mitigation Policy of 1:1 mitigation required for increasing impervious surface between the 50-foot and 100-foot Buffer Zones, 1,350 square feet of mitigation planting is proposed on the site. Proposed mitigation planting is shown on sheet C-3 of the permitting design plan sheets.

Mitigation planting was designed with direct instruction from the Wellesley Wetland Protection Committee Buffer Zone Restoration Guidelines as linked in the Town of Hingham Conservation Commission Buffer Zone Mitigation Policy. Table 2 below summarizes the number of plants required based on plant type and square footage of mitigation area as described in the Wellesley Buffer Zone Restoration Guidelines. All Proposed amounts were calculated based on a Mitigation area of 1,350 square feet.

Table 2: Planting Requirements Based on Plant Type and Restoration Square Footage for Proposed BPS at 0 Kilby Street

Plant Type	Requirement	Proposed Number of Plants
Tree sapling, 6-feet to 8-feet tall	1 sapling per 100 square feet	14
Shrub, at least 24-inches tall	1 shrub per 25 square feet	54
Herbaceous Plant	1 herbaceous plant per 10 square feet	135

Specific species to be planted were chosen based on Appendix 2 of the aforementioned Wellesley Wetland Protection Committee Buffer Zone Restoration Guidelines. Notice was also taken to mimic existing typical plantings in the Town of Hingham and provide multi-season interest. All species proposed are native to the area and non-toxic to humans and wildlife. A proposed list of plant species, their type, and environmental benefits is outlined in Table 3 below.

Table 3: Proposed Plant Species for Proposed BPS at 0 Kilby Street

Latin Name	Common Name	Type	Environmental Benefits
<i>Cercis canadensis</i>	Eastern Redbud	Tree Sapling	Drought tolerant, Pollinator support, Food source for birds and small mammals
<i>Acer rubrum</i>	Red Maple	Tree Sapling	Soil stabilization, Pollinator support
<i>Juniperus virginiana</i>	Eastern Red Cedar	Tree Sapling	Soil stabilization, Food source for small mammals
<i>Hamamelis virginiana</i>	Common Witchhazel	Shrub	Structural diversity, Pollinator support
<i>Rosa virginiana</i>	Virginia Rose	Shrub	Drought tolerant, Soil stabilization, Pollinator support
<i>Cornus amomum</i>	Silky Dogwood	Shrub	Soil stabilization, Pollinator support
See Appendix F for Species in Seed Mix	New England Roadside Wet Meadow Seed Mix	Herbaceous	Soil stabilization, Pollinator support

Planting will occur in late fall or early spring to align with the end and the beginning of the growing season respectively. No fertilizer shall be used, and maintenance shall be limited to invasive species removal. The site will be monitored for two growing seasons to ensure that at least 75% of the surface area of the restored area is established with native plants as proposed, in accordance with the Wellesley Buffer Zone Restoration Guidelines.

Tree Removal

No tree removal is proposed. As a result of the proposed mitigation planting, the existing tree line will be expanded as a result of this project.

Compliance with Performance Standards

Buffer Zones

In accordance with the Hingham Wetland Regulations Performance Standards for work in the Buffer Zone, Section 22.0(d):

- (1) The location of the proposed structure is as far away from the BVD resource area as possible considering roadway limits and building access requirements. The proposed structure is therefore located within the 100-foot buffer given the constraints of the parcel but not within the 50-foot buffer zone.
- (2) The proposed structure will be within the 100-foot buffer zone, as such mitigation planting will take place in accordance with the Town of Hingham’s Buffer Zone Mitigation Policy.
- (3) Given that the site has not been previously developed on, the buffer zone has not been altered prior to this project.
- (4) The project will not result in an adverse effect on specified habitat of rare vertebrate or invertebrate and rare plant species. No NHESP Estimated & Priority Habitats are identified onsite as shown in Figure 3, Appendix C, and the Wetland Delineation Report.
- (5) This application is presented to the Conservation Commission for their review with the intention to protect the wetland values under the Bylaw.

Filling Practices

In accordance with the Hingham Wetland Regulations Performance Standards for Filling, Section 23.6:

- (a) No fill is proposed within the Bordering Vegetated Wetlands located on the property. No grading work is being performed, and no fill is being added within the 50-foot buffer. Minor grading is being performed within the 100-foot buffer to accommodate access to the generator and building entrances and for stormwater retention, treatment, and recharge. However, this work should not change the existing flow path of water as all water will continue to ultimately either be infiltrated or flow to the resource area to the rear of the parcel.
- (b) No filling or excavation of salt marshes is proposed.
- (c) No fill is proposed in vegetated wetlands.
- (d) No beach or dune nourishment is proposed.
- (e) No dumping in the resource area is proposed. This requirement is also outlined in the design specifications for the General Contractor.
- (f) This application is presented to the Conservation Commission for their review with the intention to protect the wetlands from adverse impacts due to fill practices.

Structures

In accordance with the Hingham Wetland Regulations Performance Standards for Structures, Section 23.7:

- (a) As discussed above, the location of the BPS structure was dictated by the 50-foot buffer zone and the roadway limits. As such the structure is proposed as far away as possible from the Bordering Vegetative Wetland resource area.
- (b) The project is within the 100-foot buffer of the onsite Bordering Vegetated Wetlands. The proposed mitigation is detailed above and on permitting design plan sheet C-3 and conforms to the Town of Hingham Conservation Commission Buffer Zone Mitigation Policy.
- (c) There are no proposed structures within the 50-foot buffer zone.

Construction Methods and Schedule

Heavy construction equipment will be required to complete this project. Measures to reduce construction impacts include controlling erosion and sedimentation; controlling dust, mitigating run-off from the site via a stabilized construction entrance, and noise; and properly managing construction-related truck traffic. The General Contractor will be required to adhere to Town ordinances regarding work hours and implement construction materials access and staging area plans to minimize impacts to abutters and the community. The material and equipment stockpile areas will be located to the north of the new building and surrounded with silk sock. Temporary fencing/gate will also be installed along Kilby Street to protect both the community and the project site.

Public Notification

A copy of the Affidavit of Service, the Abutter Notification Form, and the Abutter's List is included as Appendix G. Notice of the public hearing will be published at least 5 days in advance of the hearing in the Patriot Ledger. Notice will also be published on the town website at least forty-eight hours before the hearing.

Summary

The WRWS is proposing to improve the existing water distribution system by constructing a new BPS needed to fill a new water storage tank in Hull. This tank and BPS are critical to providing reliable water service and adequate fire flow availability. All proposed work is within a Town-owned parcel. No permanent alterations are proposed or anticipated to any wetland resource areas. Wetland resource areas will be protected throughout the duration of the project with filter sock, silt sacks, and dewatering bags.

If you have any questions or need additional information, please do not hesitate to contact me at 617-657-0982 or by email at Jonathan.Hittie@Apexcos.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Jonathan Hittie". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Apex Companies, LLC.
Jonathan Hittie, P.E.
Senior Project Engineer
O: 617-657-0982
E: Jonathan.Hittie@Apexcos.com

CC: Massachusetts Department of Environmental Protection - Southeast Regional Office
Russell E. Tierney, Manager Director and Superintendent, Wier River Water System
Ryan Neilan, PE., Senior Project Manager, Apex Companies, LLC.
Anna Schaller, Engineer, Apex Companies, LLC.

Appendix A

Notice of Intent (NOI) Checklist and Policy on Receipt of Information



TOWN OF HINGHAM CONSERVATION COMMISSION

APPLICATION CHECKLIST NOTICE OF INTENT (NOI)

The following instructions and submittal requirements should be used when submitting a Notice of Intent to the Conservation Commission under the MA Wetlands Protection Act and Hingham Wetlands Protection Bylaw. Please also refer to the DEP [Instructions for Completing WPA Form 3](#). Submit two (2) copies of the following, unless otherwise specified, to the Conservation office, and one electronic copy of the complete application to conservation@hingham-ma.gov

- WPA Form 3- Notice of Intent: [WPA Form 3: Wetlands Notice of Intent | Mass.gov](#) The application must be signed by the property owner. Submit the original and one copy to the Commission by hand delivery or certified mail.
- WPA Appendix B- *NOI Wetland Fee Transmittal Form* and two (2) separate checks for the following: [Town of Hingham Wetlands Protection Bylaw fee](#) and [State Wetlands Protection Act local filing fee](#)
 - *Payable to Town of Hingham*
 - *Please **INCLUDED HOWEVER EXEMPT FROM FEE***
 - *Note, a public legal notice is prepared and submitted by staff and the newspaper will invoice the applicant*
- A copy of the Certified Abutters List and the '[Notification to Abutters Form](#)'
 - *To request a Certified Abutters List please submit [Request for Certified Abutters List](#) or contact the Conservation Office*
 - *Abutters must be notified by hand delivery, certified mail-return receipt requested, OR certificates of mailing at least 7 days prior to the hearing date*
 - *Certified mail receipts or certificate of mailing receipts shall be submitted to the Conservation Office with the application or presented to the Commission at the beginning of the public hearing*
- '[Affidavit of Service](#)' *Form* attesting abutters were notified in accordance with 310 CMR 10.05(4) and the Hingham Wetland Regulations, §7.5
 - *Abutters within 100 feet of a property line where work is proposed for inland projects*
 - *Abutters within 300 feet of a property line where work is proposed for coastal projects*
- Narrative describing the property location, existing conditions, methodology used for wetland delineation including DEP data forms or other delineation method, site photos, proposed work, and performance standards analysis, as applicable, for impacts to resource areas under the Wetlands Protection Act Regulations and/or Hingham Wetland Regulations. The narrative should also include: a report on the on-site wetland resource areas (per the [Resource Area Delineation Policy](#)), existing/proposed impervious and pervious surface calculations and proposed mitigation (per the [Buffer Zone Mitigation Policy](#)), tree removal/replacement requests (per the [Tree Removal and Replacement Policy](#)), and stormwater management.
- Project plan(s): two (2) copies of full size plan set and one (1) copy of reduced 11" x 17" plan(s), signed and stamped by a MA Registered Professional Engineer (PE) or other registered professional including the following information:

- *All wetland resource area boundaries including the 50 and 100 foot Buffer Zone (showing sequentially numbered flags as applicable)*
- *FEMA Floodplain boundaries, as applicable*
- *A note indicating the date the wetland delineation was completed and who performed the delineation. If the wetland boundaries were previously approved by the Commission a note should be included indicating the date of approval and DEP File Number, if applicable.*
- *All plans shall be colored coded or highlighted with transparent marker pen as follows: freshwater or coastal wetland boundary in blue; 50 foot buffer zone in green; 100 foot buffer zone in yellow; 200 Foot Riverfront Area in pink; and Bordering Land Subject to Flooding (100 year flood plain where NFIP data available) or Land Subject to Coastal Storm Flowage in orange.*
- *Location of existing and proposed site amenities above and below the ground*
- *Topography in 2 foot contour intervals*
- *Limit of work/erosion and sediment control line*
- *Stockpile locations and other Stormwater BMPs as applicable*
- *Edge of lawn/tree line, and impacted trees of 6 inches or greater DBH in the buffer zone, riverfront area, and/or other resource area*
- *The drainage basin in which the site is located*

Guidelines: sheet sizes not more than 24"x 36"; scale not more than 1"=40'; title block located at the lower right hand corner, preferably.

- For projects subject to the DEP Stormwater Regulations, 310 CMR 10.05(6)(k)-(q), one copy of the Stormwater Report, Stormwater Report Checklist and the Registered Professional Engineer's Certification that the project conforms to the Stormwater Management Regulations and meets acceptable engineering standards
- Proof of mailing the complete NOI to the MA Department of Environmental Protection (DEP), Southeast Regional Office at 20 Riverside Drive, Lakeville MA, 02347 (certified mail receipt from the post office) or proof of electronic filing (eDEP Transaction Number)
- Proof of mailing the complete NOI to the MA Natural Heritage & Endangered Species Program (NHESP) and the MA Division of Marine Fisheries (Gloucester), if applicable (certified mail receipt from the post office)
- For projects proposing any work on a dock or pier or other work in the harbor, email copy of application and plan to the Town of Hingham Harbor Master at CorsonK@hpd.org (with email copy to conservation@hingham-ma.gov)
- The Conservation Commission's [Policy of Receipt of Information](#) signed by the applicant or applicant's representative
- Optional - [Voluntary 21 Day Waiver](#)

HINGHAM WETLAND REGULATIONS

APPENDIX C

Policy on Receipt of Information

(Revised March 4, 2024)

1. New applications/filings must be submitted to the Conservation office (by certified mail or hand delivery) two weeks prior to the meeting date, on Monday by noon, to facilitate the placement of the legal ad and to allow timely review by the Conservation Officer (if the office is closed on Monday due to a holiday, then the information is due on the preceding Friday by noon). Conservation staff will review the application for administrative completeness. Upon receipt of a complete application, a hearing or meeting will be scheduled in accordance with the 310 CMR 10.05(5) and the Wetland Regulations, Section 7.6.
2. If deemed necessary, based on the Commission's meeting schedule, Conservation staff may request the applicant *voluntarily* waive the 21 day statutory deadline for holding a public hearing or issuing a Determination of Applicability.
3. Requests for additional information may be made by the Commission members or their agent to clarify the scope of the project or determine compliance with the 310 CMR 10.00 and/or the Hingham Wetland Regulations. Such requests, if not made at the public hearing, will be communicated to the applicant or their representative as promptly as possible.
4. Additional information requested by the Commission or their agent in accordance with No.3, must be submitted to the Conservation office a minimum of 7 days prior to the meeting date, on Monday by noon. If the office is closed on Monday due to a holiday, the information is due on the preceding Friday by noon. *Revisions submitted after the established deadline may not receive a review, thereby resulting in a continuance to the next available meeting.*
5. The Commission may engage the peer review services of an outside consultant as provided by M.G.L. Ch. 44, § 53G, to be paid for by the applicant, for specific expert review deemed necessary to come to a final decision on a submitted application. Specific consultant services may include but are not limited to, review of a Notice of Intent, Wetland Resource Area Delineation, Stormwater/Drainage Reports, etc. The consultant shall be chosen by the Conservation Commission by vote at the public hearing, and report only to the Commission or its agent. *Requested additional information/revisions by the peer reviewer is required a minimum of two weeks prior to the hearing date.*
5. All supplemental documentation and revised plans must include a revision date and must be date stamped by the Conservation office upon receipt. If this information is not present, the documents may be considered incomplete and may not receive a timely review, thereby resulting in a continuance to the next available meeting.
6. Please note that all supplemental documentation and revised plans submitted to the Commission for a pending application, subject to the MA Wetlands Protection Act, must also be sent to the DEP Southeast Regional Office, 20 Riverside Dr., Lakeville, MA 02347

The Hingham Conservation Commission is committed to a thorough and timely review of each application and an efficient hearing process. Cooperation with this policy is appreciated to facilitate these efforts. Exceptions to this policy may be made by the Conservation staff if deemed warranted. Please sign and include with your filing. Thank you.



Applicant or Applicant's Representative Signature

5/20/25

Date

Appendix B

Massachusetts Department of Environmental Protection (MassDEP) WPA Form 3



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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

City/Town

A. General Information (continued)

6. General Project Description:

7a. Project Type Checklist: (Limited Project Types see Section A. 7b.)

- 1. Single Family Home
- 2. Residential Subdivision
- 3. Commercial/Industrial
- 4. Dock/Pier
- 5. Utilities
- 6. Coastal engineering Structure
- 7. Agriculture (e.g., cranberries, forestry)
- 8. Transportation
- 9. Other

7b. Is any portion of the proposed activity eligible to be treated as a limited project (including Ecological Restoration 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. (See 310 CMR 10.24 and 10.53 for a complete list and description of limited project types)

2. Limited Project Type

If the proposed activity is eligible to be treated as an Ecological Restoration Limited Project (310 CMR10.24(8), 310 CMR 10.53(4)), complete and attach Appendix A: Ecological Restoration Limited Project Checklist and Signed Certification.

8. Property recorded at the Registry of Deeds for:

a. County

b. Certificate # (if registered land)

c. Book

d. Page Number

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

- 1. 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.
- 2. 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.



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

Provided by MassDEP:

MassDEP File Number

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City/Town

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

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 type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet	2. square feet
	3. cubic yards dredged	

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
d. <input type="checkbox"/> Bordering Land Subject to Flooding	1. square feet	2. square feet
	3. cubic feet of flood storage lost	4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet	
	2. cubic feet of flood storage lost	3. cubic feet replaced
f. <input type="checkbox"/> Riverfront Area	1. Name of Waterway (if available) - specify coastal or inland	

2. Width of Riverfront Area (check one):

- 25 ft. - Designated Densely Developed Areas only
- 100 ft. - New agricultural projects only
- 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project: _____ 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? Yes No

6. Was the lot where the activity is proposed created prior to August 1, 1996? Yes No

3. Coastal Resource Areas: (See 310 CMR 10.25-10.35)

Note: for coastal riverfront areas, please complete **Section B.2.f.** above.



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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

City/Town

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

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.

Table with 3 columns: Resource Area, Size of Proposed Alteration, Proposed Replacement (if any). Rows include Designated Port Areas, Land Under the Ocean, Barrier Beach, Coastal Beaches, Coastal Dunes.

Table with 3 columns: Resource Area, Size of Proposed Alteration, Proposed Replacement (if any). Rows include Coastal Banks, Rocky Intertidal Shores, Salt Marshes, Land Under Salt Ponds, Land Containing Shellfish, Fish Runs, Land Subject to Coastal Storm Flowage.

4. [] 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 BVW b. square feet of Salt Marsh

5. [] Project Involves Stream Crossings

a. number of new stream crossings b. number of replacement stream crossings



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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

City/Town

C. Other Applicable Standards and Requirements

- This is a proposal for an Ecological Restoration Limited Project. Skip Section C and complete Appendix A: Ecological Restoration Limited Project Checklists – Required Actions (310 CMR 10.11).

Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

- 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://maps.massgis.state.ma.us/PRI_EST_HAB/viewer.htm.

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

**Natural Heritage and Endangered Species Program
Division of Fisheries and Wildlife
1 Rabbit Hill Road
Westborough, MA 01581**

b. Date of map _____

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.2.f, 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).*

- c. Submit Supplemental Information for Endangered Species Review*

- Percentage/acreage of property to be altered:

(a) within wetland Resource Area _____
percentage/acreage

(b) outside Resource Area _____
percentage/acreage

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

- 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

* Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <https://www.mass.gov/endangered-species-act-mesa-regulatory-review>).

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

WPA Form 3 – Notice of Intent

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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

City/Town

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

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

- 4. 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

- 5. 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
- 6. 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
- 7. 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:
 - 1. Single-family house
 - 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

- This is a proposal for an Ecological Restoration Limited Project. Skip Section D and complete Appendix A: Ecological Restoration Notice of Intent – Minimum Required Documents (310 CMR 10.12).

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.



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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

City/Town

D. Additional Information (cont'd)

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.

a. Plan Title

b. Prepared By

c. Signed and Stamped by

d. Final Revision Date

e. Scale

f. Additional Plan or Document Title

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.

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



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

Provided by MassDEP:

MassDEP File Number

Document Transaction Number

City/Town

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	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.

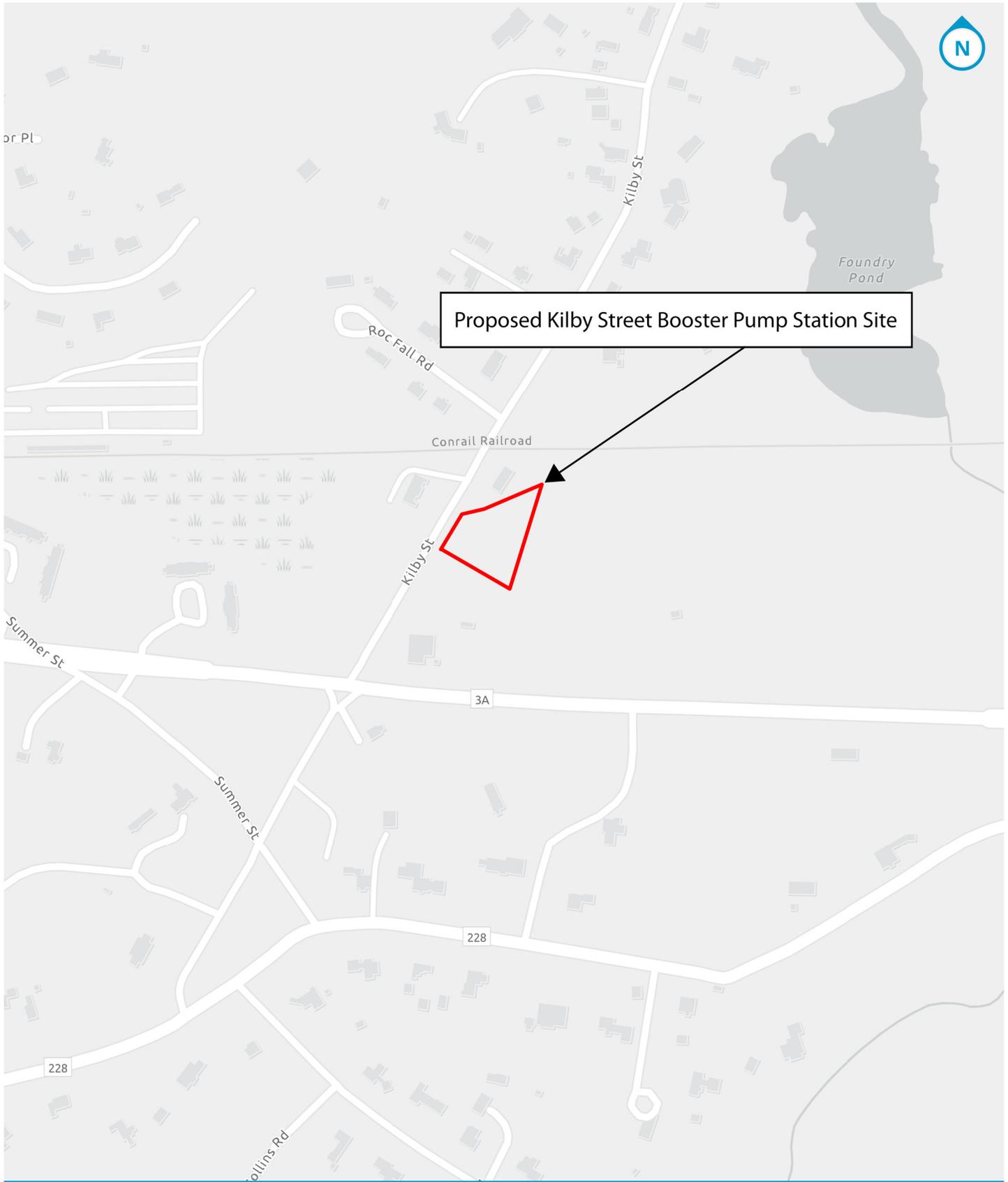
Other:

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.

Appendix C

Figures



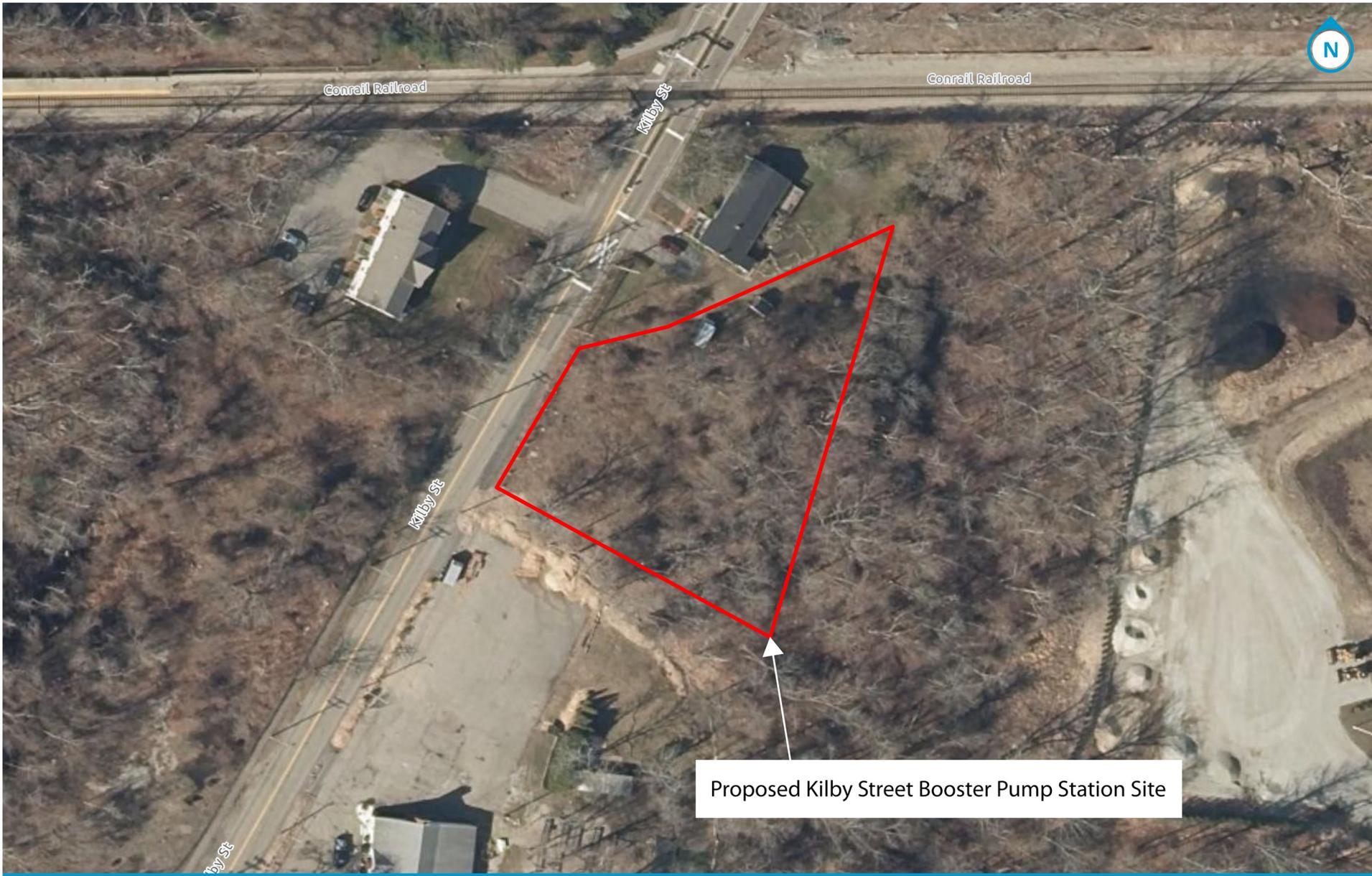
Proposed Kilby Street Booster Pump Station Site

Figure 1: Project Locus Map
Kilby Street Booster Pump Station

Weir River Water System, Hingham, MA

April 2025



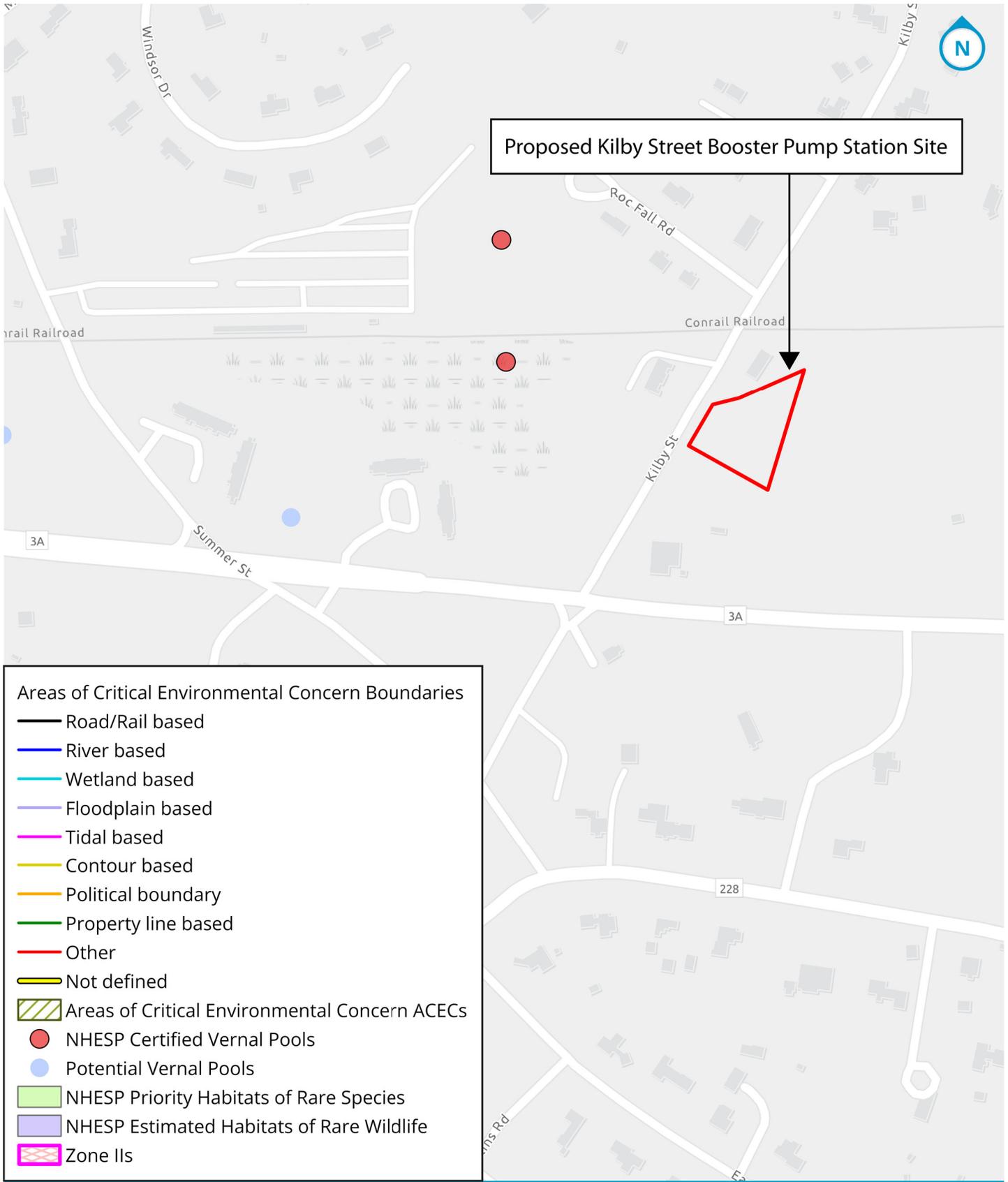


Proposed Kilby Street Booster Pump Station Site

**Figure 2: Project Aerial
Kilby Street Booster Pump Station**

Weir River Water System, Hingham, MA
April 2025





**Figure 3: NHESP Map
Kilby Street Booster Pump Station**

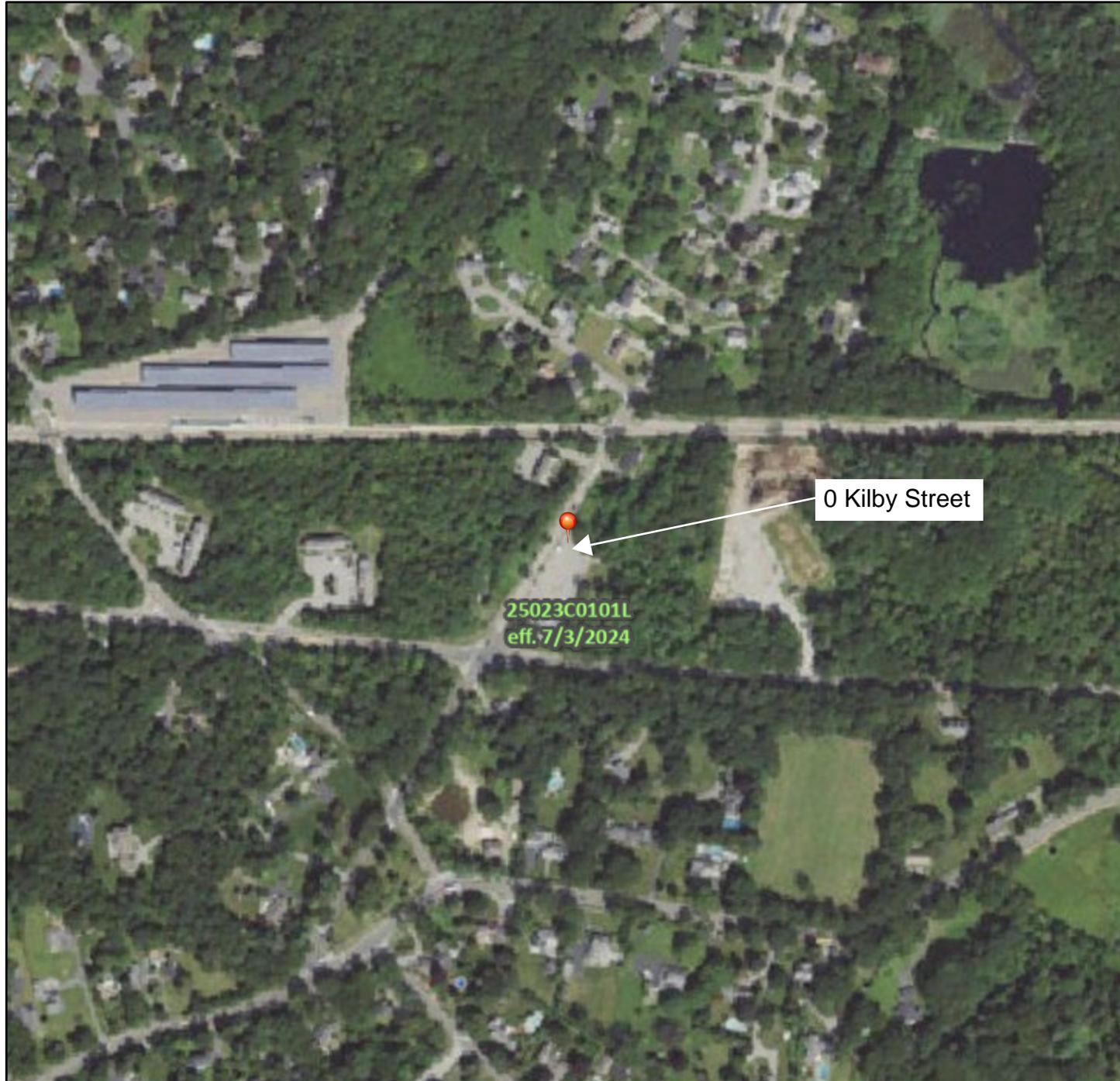
Weir River Water System, Hingham, MA
April 2025



National Flood Hazard Layer FIRMette



70°52'13"W 42°14'52"N



1:6,000

70°51'35"W 42°14'26"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard <i>Zone D</i>
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
MAP PANELS		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped
		The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.



This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **5/20/2025 at 2:53 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Appendix D

Kilby Street Booster Pump Station Permitting Plans

KILBY STREET BOOSTER PUMP STATION

WEIR RIVER WATER SYSTEM HINGHAM, MA

FOR PERMITTING
MAY 2025

INDEX

- G-1 GENERAL NOTES AND LEGEND
- C-1 EXISTING CONDITIONS
- C-2 DRAFT SITE PLAN
- C-3 BUFFER ZONE MITIGATION AND STORMWATER MANAGEMENT
- CD-1 CIVIL CONSTRUCTION DETAILS I
- CD-2 CIVIL CONSTRUCTION DETAILS II
- CD-3 CIVIL CONSTRUCTION DETAILS III
- CD-4 CIVIL CONSTRUCTION DETAILS IV

HINGHAM DEPARTMENT OF PUBLIC WORKS

ASHLEY SANFORD - SUPERINTENDENT
JR FREY - TOWN ENGINEER

HINGHAM TOWN ADMINISTRATOR

THOMAS MAYO

BOARD OF WATER COMMISSIONERS

BILL RAMSEY
LIZ KLEIN
JULIE STEHLE

MANAGING DIRECTOR / SUPERINTENDENT

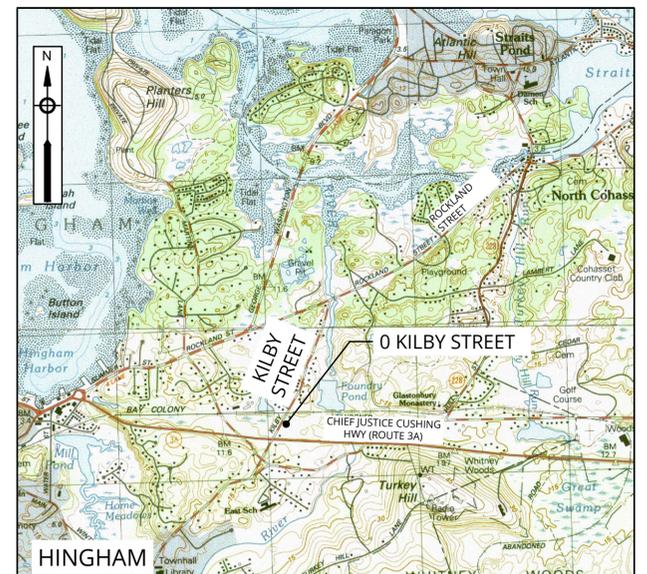
RUSSELL TIERNEY



5/20/2025



APEX COMPANIES, LLC



VICINITY MAP
1" = 2000'

GENERAL NOTES

- BASEMAP INFORMATION IS FROM A SURVEY PERFORMED BY LANDTECH, INC. IN JUNE 2024 AND SUPPLEMENTED BY RECORD INFORMATION PROVIDED BY THE WEIR RIVER WATER SYSTEM. THE BASIS OF BEARING FOR THE SURVEY IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) AND THE HORIZONTAL DATUM USED IS THE NORTH AMERICAN DATUM OF 1983 (NAD83).
- EXISTING GAS, ELECTRIC, TELEPHONE, AND CABLE/TELEVISION UTILITY INFORMATION SHOWN ON ALL SHEETS IS TAKEN FROM RECORD INFORMATION SUPPLIED BY THE UTILITY PROVIDER. IT IS NOTED THAT ADDITIONAL UTILITY PIPES, WIRES, AND STRUCTURES MAY EXIST.
- WETLAND RESOURCE AREA DELINEATION FLAGGED BY PINEBROOK CONSULTING ON JUNE 7, 2024 AND FIELD LOCATED BY LANDTECH, INC. AS PART OF THE SITE SURVEY.
- BASEMAP INFORMATION FOR THE KILBY STREET BOOSTER PUMP STATION IS SUPPLEMENTED WITH MASSGIS, LIDAR, AND RECORD INFORMATION.
- THE DRAWINGS ARE DIAGRAMMATIC AND ARE INTENDED TO DESCRIBE THE WORK TO BE COMPLETED, AND INDICATE THE GENERAL LOCATION OF MATERIALS AND EQUIPMENT, BUT DO NOT PURPORT TO COVER ALL DETAILS NEEDED FOR A COMPLETE SYSTEM. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DETAILS THAT MAY BE NECESSARY TO PROPERLY INSTALL, ADJUST AND PLACE INTO OPERATION THE INSTALLATION INCLUDING ALL COORDINATION WITH SUBCONTRACTORS, FILED SUB-BIDDERS, AND EQUIPMENT SUPPLIERS. THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR PROVIDING A FULLY FUNCTIONAL SYSTEM.
- CONSTRUCTION STAKING CONTROL: THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCHMARKS NECESSARY TO PERFORM THE WORK.
- THE GENERAL CONTRACTOR SHALL NOT STORE ANY APPARATUS, MATERIALS, SUPPLIES, OR EQUIPMENT ON DRAINAGE STRUCTURES, PRIVATE PROPERTY OR OUTSIDE THE LIMIT OF WORK. WORK WITHIN THE 100-FOOT WETLAND BUFFER ZONE SHALL BE LIMITED TO THE EXTENTS SHOWN ON THESE PLANS.
- NORTH DIRECTION SHOWN IS APPROXIMATE.
- ALL EXISTING UTILITY SHOWN ARE APPROXIMATE. THE GENERAL CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES. GENERAL CONTRACTOR SHALL NOTIFY DIG SAFE AT LEAST 72 HOURS IN ADVANCE, EXCLUDING WEEKENDS AND HOLIDAYS, PRIOR TO ANY EXCAVATION.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPORT OF ALL UTILITIES AND STRUCTURES DURING CONSTRUCTION.
- ALL EXISTING UTILITY LINES ENCOUNTERED DURING CONSTRUCTION ARE TO REMAIN IN SERVICE, UNLESS OTHERWISE NOTED. THE GENERAL CONTRACTOR, AT NO ADDITIONAL COST TO THE OWNER, SHALL REPAIR ANY EXISTING SEWERS, STORM DRAIN LINES, CULVERTS, OR OTHER UNDERGROUND UTILITIES DAMAGED DURING CONSTRUCTION.
- ALL STRUCTURES AND PIPELINES LOCATED ADJACENT TO TRENCH EXCAVATION SHALL BE PROTECTED AND FIRMLY SUPPORTED BY THE GENERAL CONTRACTOR UNTIL THE TRENCH IS BACKFILLED. INJURY TO ANY SUCH STRUCTURE CAUSED BY, OR RESULTING FROM, THE GENERAL CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. ALL UTILITIES REQUIRING REPAIR, RELOCATION OR ADJUSTMENT AS A RESULT OF THE PROJECT SHALL BE COORDINATED THROUGH THE RESPECTIVE UTILITY AND THE TOWN. OPEN TRENCHES MUST BE BACK FILLED AT THE END OF THE WORKDAY OR COVERED WITH STEEL PLATES. NO EXCEPTIONS SHALL BE PERMITTED.
- GENERAL CONTRACTOR SHALL REMOVE AND REPLACE, OR REPAIR, ALL CURBS, SIDE WALKS, PAVEMENT AND OTHER ITEMS DAMAGED BY CONSTRUCTION ACTIVITIES TO AT LEAST THEIR ORIGINAL CONDITION, AND TO THE SATISFACTION OF THE OWNER AND ENGINEER.
- IF ENCOUNTERED, GENERAL CONTRACTOR SHALL HANDLE, STORE, REMOVE, TRANSPORT AND LEGALLY DISPOSE OF ANY ASBESTOS-CEMENT PIPE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. ASBESTOS NOTIFICATION FORMS SHALL BE COMPLETED AND SUBMITTED TO THE APPROPRIATE AGENCY/AGENCIES.
- THE GENERAL CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS FOR WORK IN ROADWAYS (INCLUDING, BUT NOT LIMITED TO STREET OPENING PERMIT AND TRENCH PERMIT). THE GENERAL CONTRACTOR IS RESPONSIBLE FOR CONFORMING TO ALL PERMITS AS AN INTEGRAL PART OF THEIR WORK.
- THE GENERAL CONTRACTOR SHALL HANDLE GROUNDWATER, WHERE ENCOUNTERED, IN AN APPROVED MANNER. DURING ANY DEWATERING, THE GENERAL CONTRACTOR SHALL USE STONE AROUND THE SUCTION END TO MINIMIZE DISCHARGE OF TRENCH MATERIALS. THE DISCHARGED WATER SHALL PASS THROUGH DEWATERING BAGS.
- FINAL LOCATION OF EQUIPMENT AND CONNECTION POINTS SHALL BE APPROVED BY THE ENGINEER AND SHALL BE DETERMINED IN THE FIELD WITH THE GENERAL CONTRACTOR BEING RESPONSIBLE FOR DIMENSIONS THAT SHALL BE CONFIRMED AND CORRELATED AT THE JOB SITE.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR GRADING ALL DISTURBED AREAS TO DRAIN.
- ADEQUATE PROTECTION OF PERSONS AND PROPERTY SHALL BE PROVIDED AT ALL TIMES. THE WORK SHALL BE EXECUTED IN SUCH A WAY AS TO AVOID HAZARD TO PERSONS AND PROPERTY. WORK SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE REQUIREMENTS OF LOCAL, STATE AND FEDERAL AUTHORITIES HAVING JURISDICTION OVER THE WORK.
- THE GENERAL CONTRACTOR SHALL NOT OPEN OR CLOSE ANY VALVES OR HYDRANTS WHICH HOLD WATER IN THE SYSTEM. THE OWNER WILL, ON 24 HOURS NOTICE FROM THE CONTRACTOR, OPEN AND/OR CLOSE ANY VALVES OR HYDRANTS REQUIRED FOR CONNECTING THE BOOSTER PUMP STATION TO THE DISTRIBUTION SYSTEM.
- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE TOWNS OF HINGHAM AND HULL CONSERVATION COMMISSIONS ORDER OF CONDITIONS AND ANY PLANNING BOARD AND/OR ZONING BOARD APPROVALS.

CONSERVATION NOTES

- ALL SEDIMENTATION BARRIERS SHALL BE MAINTAINED IN GOOD REPAIR UNTIL ALL DISTURBED AREAS HAVE BEEN FULLY STABILIZED AS APPROVED BY THE ENGINEER/OWNER. THE GENERAL CONTRACTOR SHALL INSPECT EROSION CONTROLS ON A DAILY BASIS AND REMOVE ACCUMULATED SEDIMENTS AS NEEDED. THE ENGINEER/OWNER RESERVES THE RIGHT TO REQUIRE ADDITIONAL EROSION CONTROLS AND/OR DAMAGE PREVENTION CONTROLS AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL FURNISH AND INSTALL SILT SACKS IN ALL CATCH BASINS ASSOCIATED WITH THE WORK AREA AND AS DIRECTED BY THE ENGINEER.
- SILT SACKS AND OTHER EROSION AND SEDIMENT CONTROL MEASURES/DEVICES SHALL BE INSPECTED, CLEANED, REPLACED AND/OR REPAIRED AS NECESSARY, AND AFTER EACH SIGNIFICANT RAINFALL.
- THE CONTRACTOR SHALL STOCKPILE SUFFICIENT SOIL EROSION AND SEDIMENT CONTROL MATERIALS ONSITE TO REPAIR ANY DAMAGED SOIL EROSION AND SEDIMENT CONTROLS.
- THE CONSERVATION ADMINISTRATOR SHALL INSPECT ALL EROSION AND SEDIMENT CONTROLS PRIOR TO THE START OF ANY SITE WORK.
- THE CONTRACTOR SHALL NOT DISCHARGE WATER FROM DEWATERING OPERATIONS DIRECTLY INTO A WETLAND, SURFACE WATER, OR ANY STORM SEWER.
- GROUNDWATER FROM DEWATERING OPERATIONS SHALL BE TREATED TO REDUCE THE AMOUNT OF SEDIMENT CONTAINED IN THE WATER TO ALLOWABLE LEVELS.
- ALL DEWATERING DISCHARGES SHALL ALSO INCLUDE ENERGY DISSIPATION TO PREVENT SCOURING.
- PLANTINGS SHALL BE 80% SUCCESSFUL AT THE END OF 2 FULL GROWING SEASONS. THE GROWING SEASON SHALL BE DEFINED AS MAY 1ST THROUGH SEPTEMBER 30TH. THE FIRST FULL GROWING SEASON FOR PLANTS PUT IN AFTER MAY 1ST SHALL BE THE FOLLOWING YEAR.

LEGEND

EXISTING	DESCRIPTION	PROPOSED	DESCRIPTION
	20'		CHAIN LINK FENCE
	PROPERTY LINES		TEMPORARY CONSTRUCTION FENCE
	LIMIT OF WETLAND		LIMIT OF WORK
	200' RIVERFRONT AREA		FILTER SOCK
	100' WETLAND BUFFER		POLYETHYLENE "V-BIO" ENCASED FINISHED WATER MAIN
	75' WETLAND BUFFER		POLYETHYLENE "V-BIO" ENCASED RAW WATER MAIN
	50' NO DISTURB BUFFER		FIRE PROTECTION WATER MAIN
	EDGE OF PAVEMENT		LIMITS OF GRADING
	CHAIN LINK FENCE		STOCKPILE
	STONE WALL		RIPRAP
	EDGE OF VEGETATION		NEW ENGLAND WETLAND PLANTS; "NEW ENGLAND NATIVE WARM SEASON GRASS MIX" SEED MIX
	WATER MAIN		NEW ENGLAND WETLAND PLANTS; "NEW ENGLAND WILDFLOWER MIX" SEED MIX
	ELECTRIC OVERHEAD WIRES		NEW ENGLAND WETLAND PLANTS; "NEW ENGLAND EROSION CONTROL/RESTORATION MIX FOR DETENTION BASINS AND MOIST SITES" SEED MIX
	ELECTRIC UNDERGROUND		TEST PIT
	DRAIN PIPE		COMMON WITCHHAZEL
	GAS MAIN		SILKY DOGWOOD
	HYDRANT		VIRGINIA ROSE
	GATE VALVE		EASTERN REDBUD
	WATER SERVICE		EASTERN RED CEDAR
	UTILITY POLE		RED MAPLE
	GUY WIRE ANCHOR		
	GUY WIRE		
	CATCH BASIN		
	DRAIN MANHOLE		
	GAS SERVICE		
	EVERGREEN TREE		
	DECIDUOUS TREE		
	STREET SIGN		
	MAILBOX		
	WETLAND FLAG		
	SURVEY BENCHMARK		

TYPICAL ABBREVIATIONS

KEY	DESCRIPTION	KEY	DESCRIPTION	KEY	DESCRIPTION
AD	AREA DRAIN	INV. / I	INVERT	SMH	SEWER MANHOLE
APPROX.	APPROXIMATE	LF	LINEAR FOOT	STA.	STATION
ARCH.	ARCHITECTURAL	LOD	LIMIT OF DISTURBANCE	STM.	STORM
BC	BOTTOM CURB	LOW	LIMIT OF WORK	TBD	TO BE DETERMINED
BLDG.	BUILDING	LP	LOW POINT	TBR	TO BE REMOVED
BIT	BITUMINOUS	L.S.A.	LANDSCAPED AREA	TBR/R	TO BE REMOVED AND REPLACED
BM.	BENCHMARK	MAX.	MAXIMUM	TC	TOP CURB
BOT	BOTTOM	ME	MEET EXISTING	STM.	STORM
BW	BOTTOM OF WALL GRADE	MEP	MECHANICAL ELECTRICAL PLUMBING	TBD	TO BE DETERMINED
CB / CBN	CATCH BASIN	MIN.	MINIMUM	TBR	TO BE REMOVED
CLDI	CEMENT LINED DUCTILE IRON	No. / #	NUMBER	TBR/R	TO BE REMOVED AND REPLACED
CONC.	CONCRETE	NTS	NOT TO SCALE	TC	TOP CURB
DI	DUCTILE IRON	O.C.	ON CENTER	TPF	TREE PROTECTION FENCE
DMH	DRAIN MANHOLE	OCS	OUTLET CONTROL STRUCTURE	TR	TOP OF RAMP
ELEV. / EL.	ELEVATION	O.D.	OUTSIDE DIAMETER	TW	TOP OF WALL
EOP	EDGE OF PAVEMENT	PERF.	PERFORATED	TYP.	TYPICAL
EXIST.	EXISTING	PROP.	PROPOSED	UGS	UNDERGROUND SYSTEM
FDC	FIRE DEPARTMENT CONNECTION	PVC	POLYVINYL CHLORIDE PIPE	UNG.	UNDERGROUND
FES	FLARED END STRUCTURE	R	RADIUS	VC	VITRIFIED CLAY
FFE	FINISHED FLOOR ELEVATION	RCP	REINFORCED CONCRETE PIPE	VGC	VERTICAL GRANITE CURB
FG	FINISHED GRADE	RDG	RIDGE LINE	V.I.F.	VERIFY IN FIELD
GC	GENERAL CONTRACTOR	RE	RIM ELEVATION	W.	WIDE
GSF	GROSS SQUARE FEET	RET	RETAINING	WF	WETLAND FLAG
GW	GROUNDWATER	R.O.W.	RIGHT OF WAY	WQU	WATER QUALITY UNIT
HDPE	HIGH DENSITY POLYETHYLENE PIPE	RR	RAILROAD	°	DEGREE
HMA	HOT MIX ASPHALT	S	SLOPE	Ø / DIA.	DIAMETER
HP	HIGH POINT	SAN.	SANITARY	±	PLUS OR MINUS
HT	HEIGHT	SF	SQUARE FEET		
HYD	HYDRANT	SGC	SLOPED GRANITE CURB		

MARK	DATE	DESCRIPTION

Scale	N. T. S.
Date	MAY 2025
Job No.	22012525
Designed by	JDH
Drawn by	JDH
Checked by	RPN
Approved by	RPN

THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING

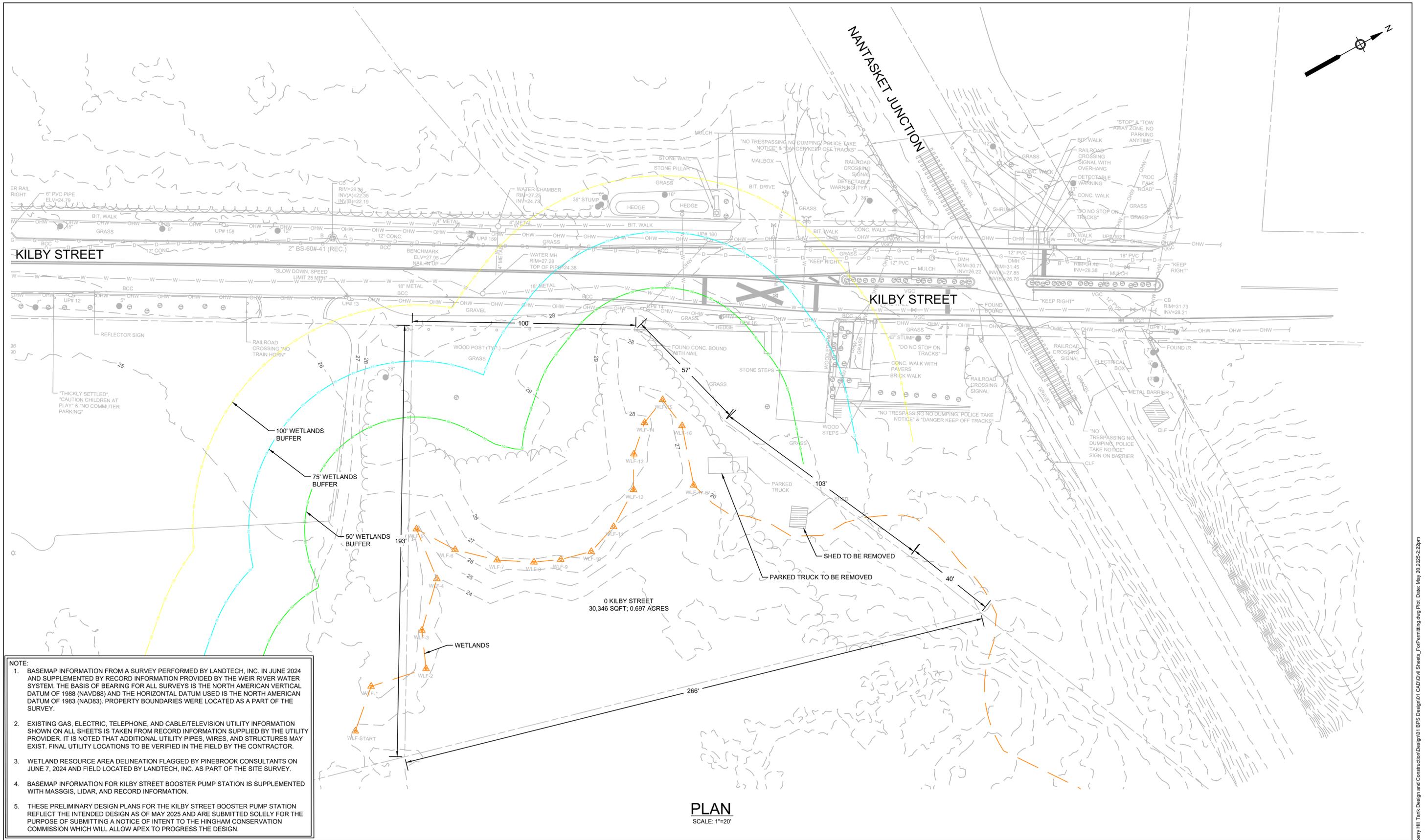
**KILBY STREET BOOSTER PUMP STATION
WEIR RIVER WATER SYSTEM**

GENERAL NOTES AND LEGEND

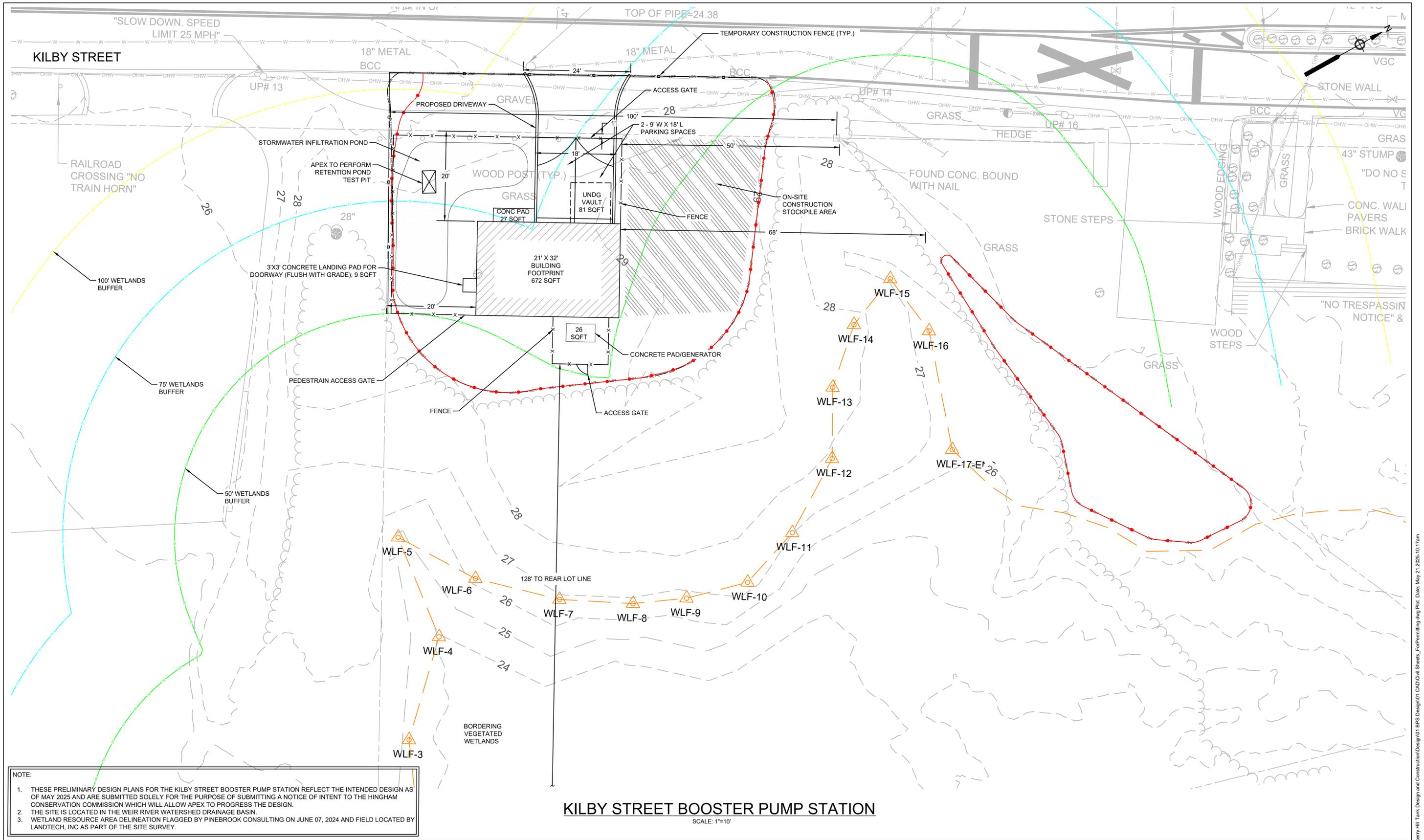
FOR PERMITTING

Sheet No.

G-1



		MARK	DATE	DESCRIPTION	Scale	1" = 20'	<p>THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING</p>	<p>KILBY STREET BOOSTER PUMP STATION WEIR RIVER WATER SYSTEM</p> <p>EXISTING CONDITIONS</p>	FOR PERMITTING
					Date	MAY 2025			Sheet No.
			Job No.	22012525					
			Designed by	JDH					
			Drawn by	JDH/AKS					
			Checked by	RPN					
			Approved by	RPN					



NOTE:

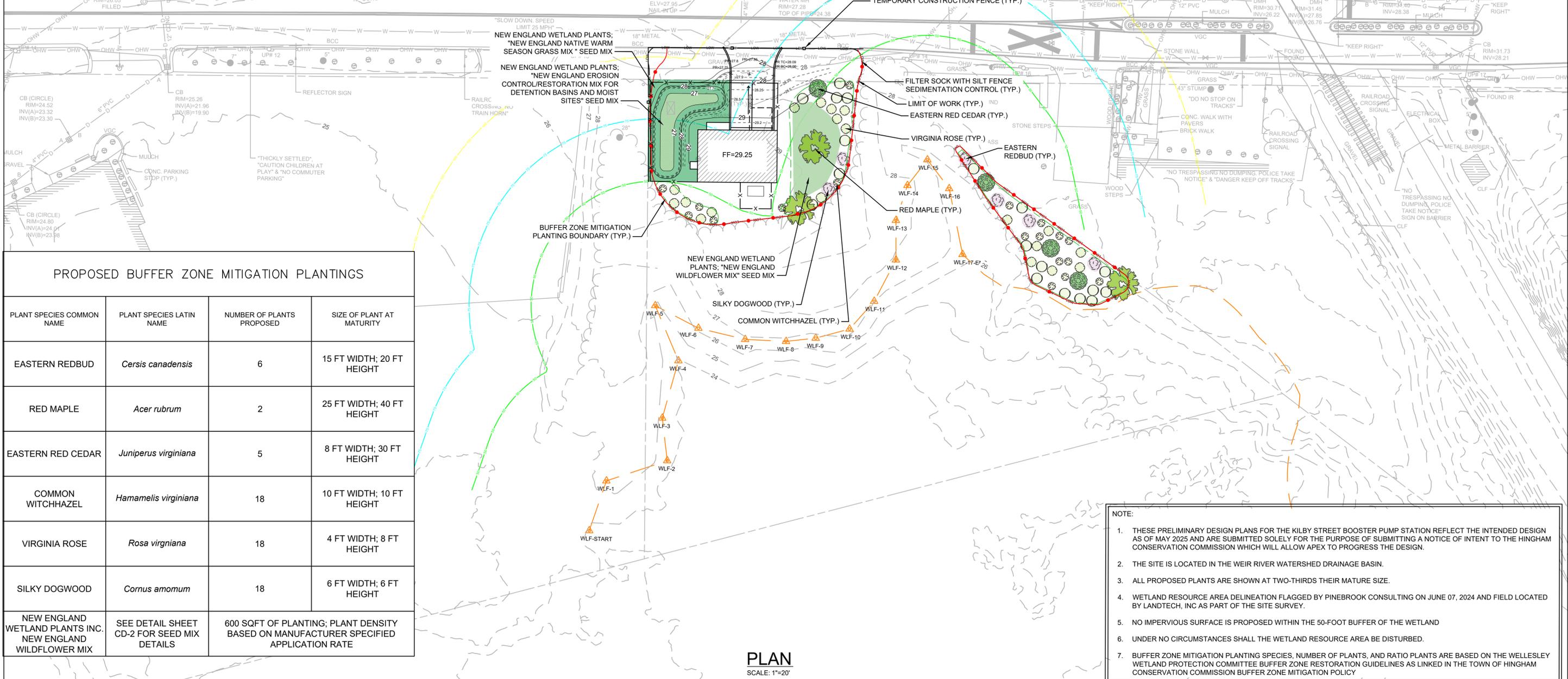
1. THESE PRELIMINARY DESIGN PLANS FOR THE KILBY STREET BOOSTER PUMP STATION REFLECT THE INTENDED DESIGN AS OF MAY 2025 AND ARE SUBMITTED SOLELY FOR THE PURPOSE OF SUBMITTING A NOTICE OF INTENT TO THE HINGHAM CONSERVATION COMMISSION WHICH WILL ALLOW APEX TO PROGRESS THE DESIGN.
2. THE SITE IS LOCATED IN THE WEIR RIVER WATERSHED DRAINAGE BASIN.
3. WETLAND RESOURCE AREA DELINEATION FLAGGED BY PINEBROOK CONSULTING ON JUNE 07, 2024 AND FIELD LOCATED BY LANDTECH, INC AS PART OF THE SITE SURVEY.

KILBY STREET BOOSTER PUMP STATION

SCALE: 1"=10'

		<table border="1"> <thead> <tr> <th>MARK</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	MARK	DATE	DESCRIPTION										<table border="1"> <tr> <td>Scale</td> <td>1" = 10'</td> </tr> <tr> <td>Date</td> <td>MAY 2025</td> </tr> <tr> <td>Job No.</td> <td>22012525</td> </tr> <tr> <td>Designed by</td> <td>JDH</td> </tr> <tr> <td>Drawn by</td> <td>JDH/AKS</td> </tr> <tr> <td>Checked by</td> <td>RPN</td> </tr> <tr> <td>Approved by</td> <td>RPN</td> </tr> </table>	Scale	1" = 10'	Date	MAY 2025	Job No.	22012525	Designed by	JDH	Drawn by	JDH/AKS	Checked by	RPN	Approved by	RPN	<p>KILBY STREET BOOSTER PUMP STATION WEIR RIVER WATER SYSTEM</p> <p>DRAFT SITE PLAN</p>	<p>FOR PERMITTING</p> <p>Sheet No.</p> <p>C-2</p>
			MARK	DATE	DESCRIPTION																										
Scale	1" = 10'																														
Date	MAY 2025																														
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Approved by	RPN																														
<p>5/20/2025</p>			<p>THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING</p>																												

PROPOSED IMPERVIOUS SURFACE AREA WITHIN THE 100-FOOT BUFFER ZONE	
SITE FEATURE	IMPERVIOUS AREA (SQFT)
BUILDING	672
GENERATOR PAD	30
CONCRETE LANDING PAD FOR BATHROOM DOORWAY	9
CONCRETE LANDING PAD FOR PUMP ROOM AND SEWER ROOM DOORWAYS	30
PARKING SPACES	609
TOTAL PROPOSED IMPERVIOUS AREA = 1,350 SQUARE FEET	
REQUIRED BUFFER MITIGATION POLICY PLANTING AREA 1:1 = 1,350 SQUARE FEET	
PROPOSED BUFFER MITIGATION POLICY PLANTING AREA = 2,416 SQUARE FEET	



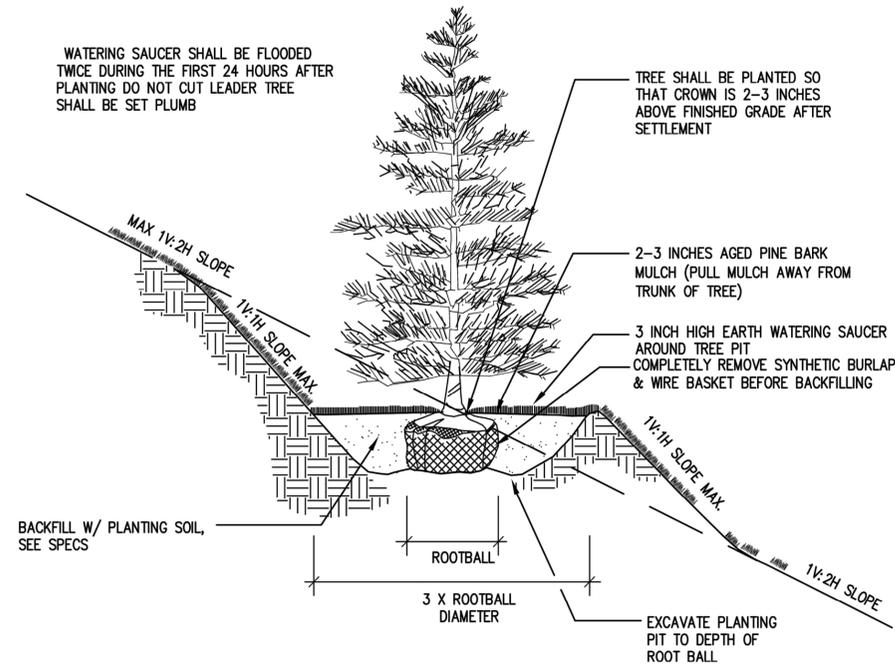
PROPOSED BUFFER ZONE MITIGATION PLANTINGS			
PLANT SPECIES COMMON NAME	PLANT SPECIES LATIN NAME	NUMBER OF PLANTS PROPOSED	SIZE OF PLANT AT MATURITY
EASTERN REDBUD	<i>Cercis canadensis</i>	6	15 FT WIDTH; 20 FT HEIGHT
RED MAPLE	<i>Acer rubrum</i>	2	25 FT WIDTH; 40 FT HEIGHT
EASTERN RED CEDAR	<i>Juniperus virginiana</i>	5	8 FT WIDTH; 30 FT HEIGHT
COMMON WITCHHAZEL	<i>Hamamelis virginiana</i>	18	10 FT WIDTH; 10 FT HEIGHT
VIRGINIA ROSE	<i>Rosa virginiana</i>	18	4 FT WIDTH; 8 FT HEIGHT
SILKY DOGWOOD	<i>Cornus amomum</i>	18	6 FT WIDTH; 6 FT HEIGHT
NEW ENGLAND WETLAND PLANTS INC. NEW ENGLAND WILDFLOWER MIX	SEE DETAIL SHEET CD-2 FOR SEED MIX DETAILS	600 SQFT OF PLANTING; PLANT DENSITY BASED ON MANUFACTURER SPECIFIED APPLICATION RATE	

- NOTE:
- THESE PRELIMINARY DESIGN PLANS FOR THE KILBY STREET BOOSTER PUMP STATION REFLECT THE INTENDED DESIGN AS OF MAY 2025 AND ARE SUBMITTED SOLELY FOR THE PURPOSE OF SUBMITTING A NOTICE OF INTENT TO THE HINGHAM CONSERVATION COMMISSION WHICH WILL ALLOW APEX TO PROGRESS THE DESIGN.
 - THE SITE IS LOCATED IN THE WEIR RIVER WATERSHED DRAINAGE BASIN.
 - ALL PROPOSED PLANTS ARE SHOWN AT TWO-THIRDS THEIR MATURE SIZE.
 - WETLAND RESOURCE AREA DELINEATION FLAGGED BY PINEBROOK CONSULTING ON JUNE 07, 2024 AND FIELD LOCATED BY LANDTECH, INC AS PART OF THE SITE SURVEY.
 - NO IMPERVIOUS SURFACE IS PROPOSED WITHIN THE 50-FOOT BUFFER OF THE WETLAND
 - UNDER NO CIRCUMSTANCES SHALL THE WETLAND RESOURCE AREA BE DISTURBED.
 - BUFFER ZONE MITIGATION PLANTING SPECIES, NUMBER OF PLANTS, AND RATIO PLANTS ARE BASED ON THE WELLESLEY WETLAND PROTECTION COMMITTEE BUFFER ZONE RESTORATION GUIDELINES AS LINKED IN THE TOWN OF HINGHAM CONSERVATION COMMISSION BUFFER ZONE MITIGATION POLICY

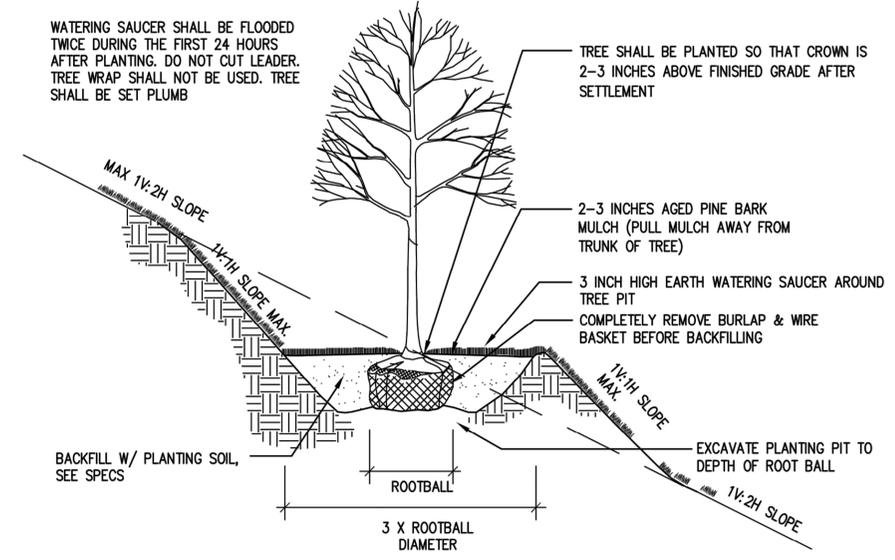
PLAN
SCALE: 1" = 20'

		Scale	1" = 20'		KILBY STREET BOOSTER PUMP STATION WEIR RIVER WATER SYSTEM	FOR PERMITTING Sheet No. C-3
		Date	MAY 2025			
MARK DATE DESCRIPTION		Job No.	22012525	THIS LINE IS ONE INCH LONG WHEN PLOTTED AT FULL SCALE ON A 22" X 34" DRAWING		
		Designed by	JDH/AKS			
		Drawn by	JDH/AKS			
		Checked by	RPN	BUFFER ZONE MITIGATION AND STORMWATER MANAGEMENT		
		Approved by	RPN			

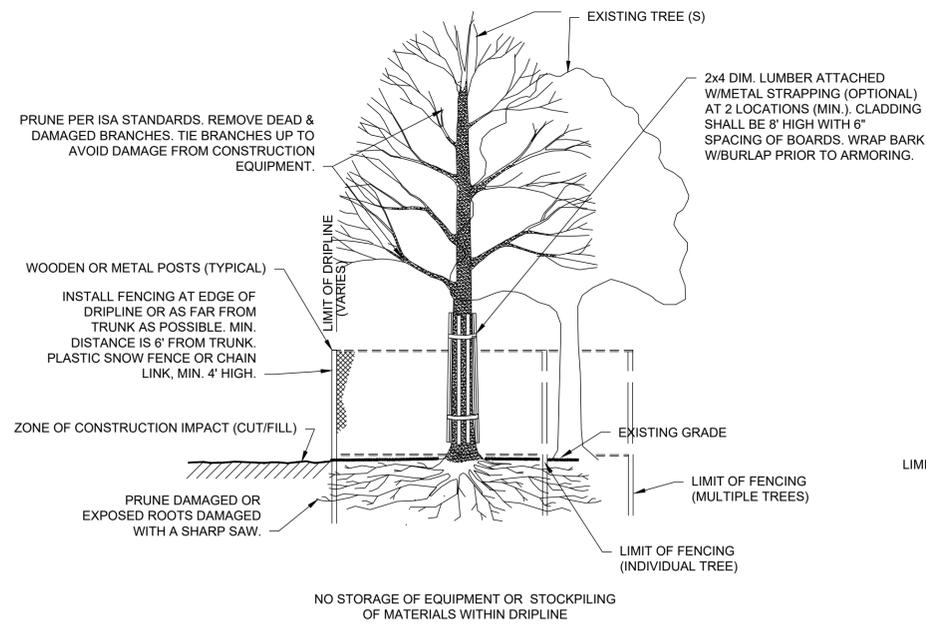
Drawing file: \\Hingham\22012525 Stranberry Hill Tank Design and Construction\Design\01 BP5 Design\01 CAD\CHM Sheets_ ForPermitting.dwg Plot Date: May 21, 2025 10:15am



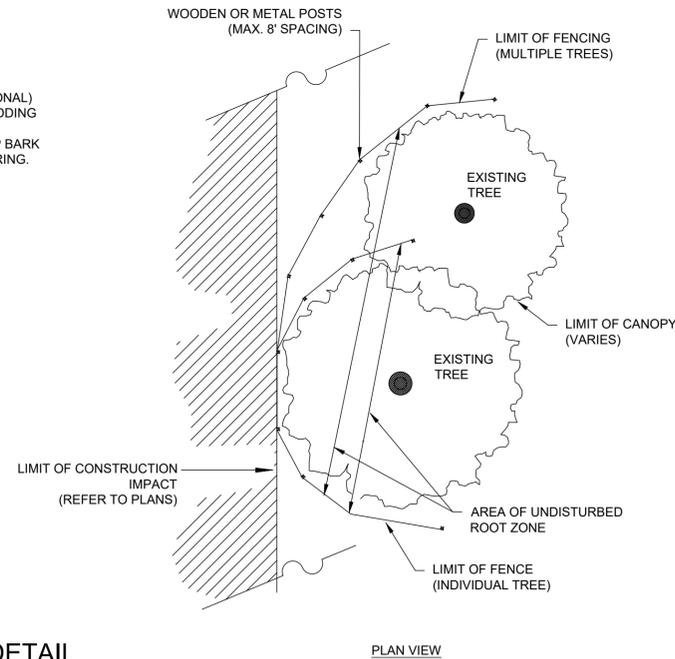
EVERGREEN TREE PLANTING
SCALE: N.T.S.



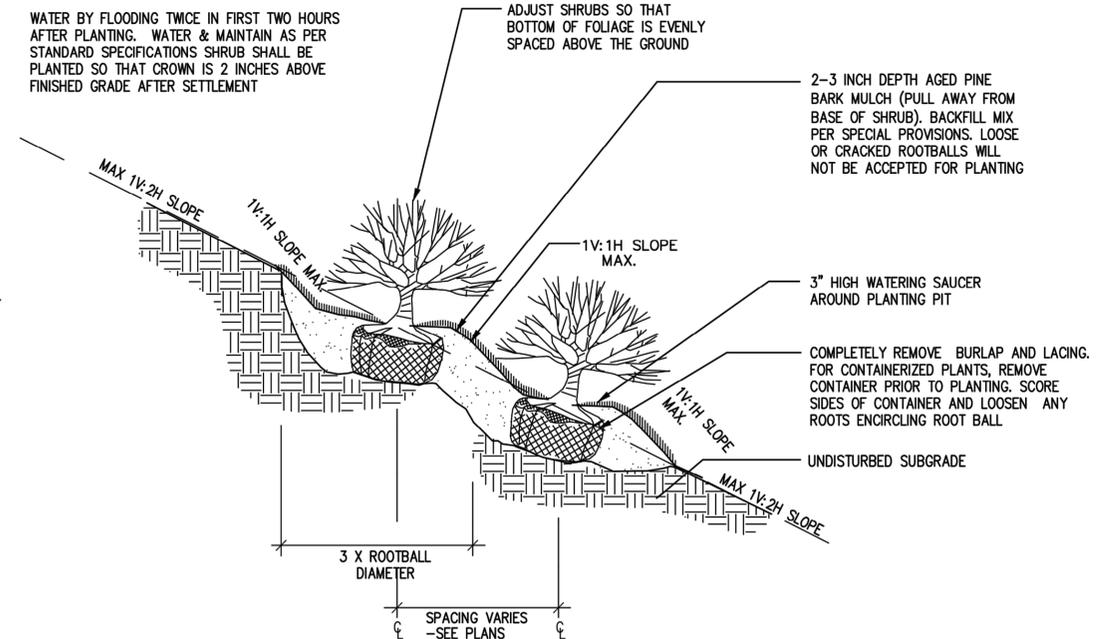
CONIFEROUS TREE PLANTING
SCALE: N.T.S.



TREE PROTECTION DETAIL
SCALE: N.T.S.



PLAN VIEW



CONTAINERIZED SHRUB PLANTING
SCALE: N.T.S.



5/20/2025

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**KILBY STREET BOOSTER PUMP STATION
WEIR RIVER WATER SYSTEM**

CIVIL CONSTRUCTION DETAILS I

FOR PERMITTING

Sheet No.

CD-1

NEW ENGLAND WETLAND PLANTS, INC

14 Pearl Lane South Hadley, MA 01075
 PHONE: 413-548-8000 FAX 413-549-4000
 EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM

New England Erosion Control/Restoration Mix For Detention Basins and Moist Sites

Botanical Name	Common Name	Indicator
<i>Elymus riparius</i>	Riverbank Wild Rye	FACW
<i>Schizachyrium scoparium</i>	Little Bluestem	FACU
<i>Festuca rubra</i>	Red Fescue	FACU
<i>Andropogon gerardii</i>	Big Bluestem	FAC
<i>Panicum virgatum</i>	Switch Grass	FAC
<i>Vernonia noveboracensis</i>	New York Ironweed	FACW+
<i>Agrostis perennans</i>	Upland Bentgrass	FACU
<i>Bidens frondosa</i>	Beggar Ticks	FACW
<i>Eupatorium maculatum (Eutrochium maculatum)</i>	Spotted Joe Pye Weed	OBL
<i>Eupatorium perfoliatum</i>	Boneset	FACW
<i>Aster novae-angliae (Symphyotrichum novae-angliae)</i>	New England Aster	FACW-
<i>Scirpus cyperinus</i>	Wool Grass	FACW
<i>Juncus effusus</i>	Soft Rush	FACW+

APPLY: 35 LBS/ACRE :1250 sq ft/lb

The New England Erosion Control/Restoration Mix for Detention Basins and Moist Sites contains a selection of native grasses and wildflowers designed to colonize generally moist, recently disturbed sites where quick growth of vegetation is desired to stabilize the soil surface. It is an appropriate seed mix for ecologically sensitive restorations that require stabilization as well as long-term establishment of native vegetation. This mix is particularly appropriate for detention basins that do not hold standing water. Many of the plants in this mix can tolerate infrequent inundation, but not constant flooding. The mix may be applied by hand, by mechanical spreader, or by hydro-seeder. After sowing, lightly rake, roll or cultipack to insure good seed-to-soil contact. Best results are obtained with a Spring or late Summer seeding. Late Fall and Winter dormant seeding requires an increase in the application rate. A light mulching of clean, weed-free straw is recommended.

New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged. Price is \$/bulk pound, FOB warehouse, Plus SH and applicable taxes.

RETENTION POND SEED MIX SPECIES DETAIL

NEW ENGLAND WETLAND PLANTS, INC

14 Pearl Lane South Hadley, MA 01075
 PHONE: 413-548-8000 FAX 413-549-4000
 EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM

New England Wildflower Mix

Botanical Name	Common Name	Indicator
<i>Schizachyrium scoparium</i>	Little Bluestem	FACU
<i>Sorghastrum nutans</i>	Indian Grass	UPL
<i>Chamaecrista fasciculata</i>	Partridge Pea	FACU
<i>Elymus virginicus</i>	Virginia Wild Rye	FACW-
<i>Elymus canadensis</i>	Canada Wild Rye	FACU+
<i>Festuca rubra</i>	Red Fescue	FACU
<i>Asclepias tuberosa</i>	Butterfly Milkweed	NI
<i>Vernonia noveboracensis</i>	New York Ironweed	FACW+
<i>Oenothera biennis</i>	Evening Primrose	FACU-
<i>Aster novae-angliae (Symphyotrichum novae-angliae)</i>	New England Aster	FACW-
<i>Rudbeckia hirta</i>	Black Eyed Susan	FACU-
<i>Solidago juncea</i>	Early Goldenrod	
<i>Eupatorium fistulosum (Eutrochium fistulosum)</i>	Hollow-Stem Joe Pye Weed	FACW
<i>Aster lateriflorus (Symphyotrichum lateriflorum)</i>	Starved/Calico Aster	FACW

APPLY: 23 LBS/ACRE :1900 sq ft/lb

New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged. Price is \$/bulk pound, FOB warehouse, Plus SH and applicable taxes.

HERBACEOUS PLANTINGS SEED MIX SPECIES DETAIL

NEW ENGLAND WETLAND PLANTS, INC

14 Pearl Lane South Hadley, MA 01075
 PHONE: 413-548-8000 FAX 413-549-4000
 EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM

New England Native Warm Season Grass Mix

Botanical Name	Common Name	Indicator
<i>Schizachyrium scoparium</i>	Little Bluestem	FACU
<i>Andropogon gerardii</i>	Big Bluestem	FAC
<i>Elymus virginicus</i>	Virginia Wild Rye	FACW-
<i>Sorghastrum nutans</i>	Indian Grass	UPL
<i>Festuca rubra</i>	Red Fescue	FACU
<i>Panicum virgatum</i>	Switch Grass	FAC

APPLY: 23 LBS/ACRE :1900 sq ft/lb

The New England Native Warm Season Grass Mix contains a broad spectrum of native warm season grasses to insure that a variety of the species will survive in the sandy, droughty conditions typically found along roadsides, gravel mine reclamation areas, and other low-fertility well drained soil conditions. This mix is somewhat slow to germinate and establish during the first year of planting, but it will produce good cover by the end of the second growing season to produce long-living native stands. The cool season grasses have been added as a "starter" seed for erosion control. This mix has excellent heat and drought tolerance, and grows best in well drained soils. Warm season grasses provide excellent year round cover and food for wildlife, particularly as winter cover for small animals. This mix can be applied by hydroseeding, by mechanical spreader or by hand. Best results are obtained with a mid-late Spring seeding.

New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged. Price is \$/bulk pound, FOB warehouse, Plus SH and applicable taxes.

NATIVE GRASS SEED MIX SPECIES DETAIL



MARK	DATE	DESCRIPTION

Scale	NTS
Date	MAY 2025
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Drawn by	JDH/AKS
Checked by	RPN
Approved by	RPN

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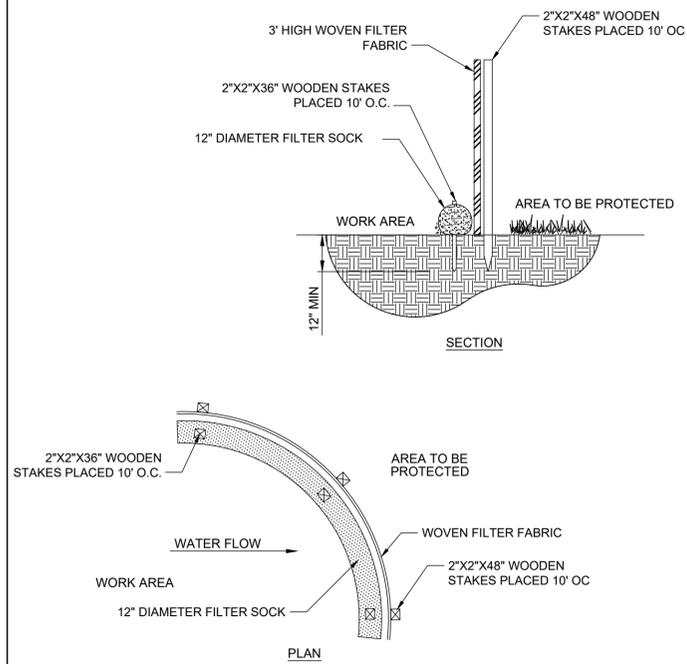
**KILBY STREET BOOSTER PUMP STATION
WEIR RIVER WATER SYSTEM**

CIVIL CONSTRUCTION DETAILS II

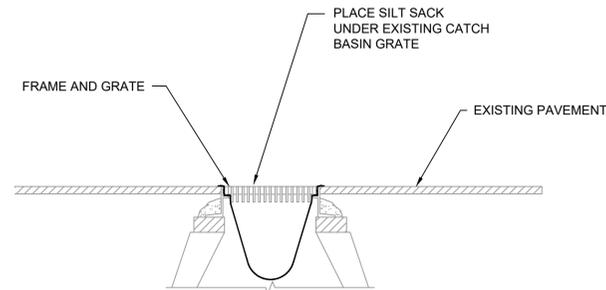
FOR PERMITTING

Sheet No.

CD-2

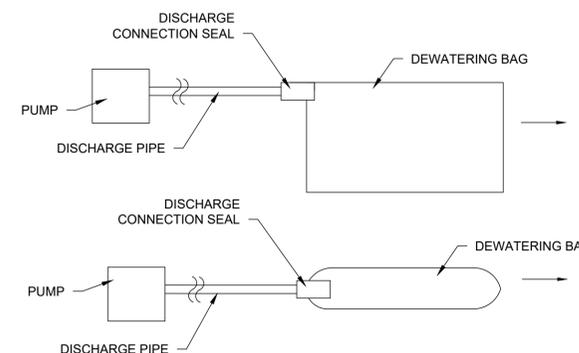


12" DIAMETER FILTER SOCK WITH SILT FENCE
SCALE: N.T.S.



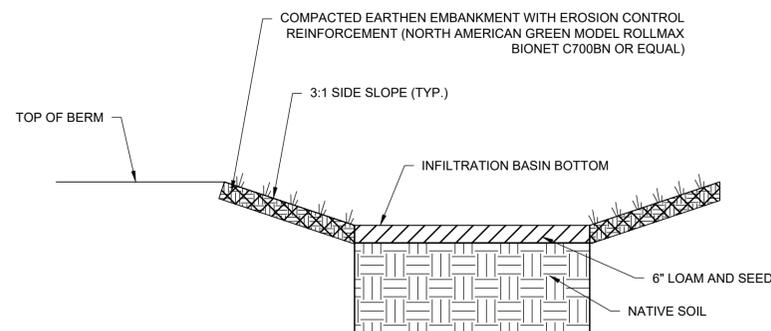
- NOTES:**
- SILT SACKS SHALL BE INSPECTED WEEKLY AND ACCUMULATED SILT REMOVED TO ALLOW CATCH BASIN TO FUNCTION PROPERLY.
 - SILT SACK AS MANUFACTURED BY ACF ENVIRONMENTAL OR APPROVED EQUAL.

SEDIMENTATION CONTROL AT CATCH BASINS SILT SACKS
SCALE: N.T.S.



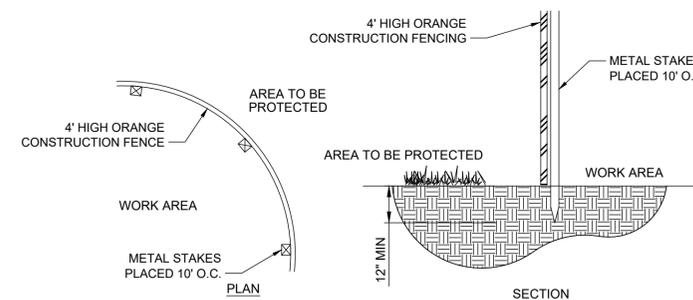
- NOTES:**
- DEWATERING BAG SIZE AND QUANTITY SHALL BE AS NEEDED TO ADEQUATELY FILTER ALL PUMP EFFLUENT FROM DEWATERING ACTIVITIES. CONTRACTOR SHALL PROVIDE A REDUNDANT BAG ON SITE AT ALL TIMES.
 - EACH BAG SHALL HANDLE A 2", 3", OR 4" DISCHARGE HOSE.
 - DISCHARGE HOSES CAN BE PLACED ALONG ANY EDGE BY MAKING A SMALL INCISION INTO THE FABRIC, INSERTING THE HOSE, AND THEN CLAMPING THE FABRIC TO THE HOSE VIA WIRE, TIES, CLAMP, ROPE OR SIMILAR TO CREATE A GOOD SEAL.
 - CONTRACTOR SHALL AVOID DISCHARGING MULTIPLE PIPES INTO ONE BAG.

DEWATERING BAGS
SCALE: N.T.S.



TYPICAL STORM WATER INFILTRATION BASIN DETAIL
SCALE: N.T.S.

- NOTES:**
- PROVIDE TOPSOIL IN ACCORDANCE WITH SECTION 02920.
 - REFER TO C-3 FOR SEED MIX REQUIREMENTS FOR SIDE SLOPES AND BASIN BOTTOM.
 - DIRECT STORMWATER RUNOFF TO CONSTRUCTION PERIOD BMPs UNTIL SITE STABILIZATION. STORMWATER MAY BE DIRECTED TO THE STORM WATER INFILTRATION BASINS ONLY ONCE THE CHANNEL AND THE CONTRIBUTING DRAINAGE AREA HAVE BEEN FULLY STABILIZED.
 - DURING CONSTRUCTION AVOID EXCESSIVELY COMPACTING SOILS AROUND THE INFILTRATION BASIN. TO AVOID COMPACTION OF THE PARENT MATERIAL, WORK FROM THE EDGE OF PROPOSED INFILTRATION BASIN AND COMPACT WITH MINIMAL PRESSURE UNTIL THE DESIRED ELEVATION IS REACHED.
 - INFILTRATION BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MASSACHUSETTS STORMWATER HANDBOOK.



ORANGE CONSTRUCTION FENCE
SCALE: N.T.S.



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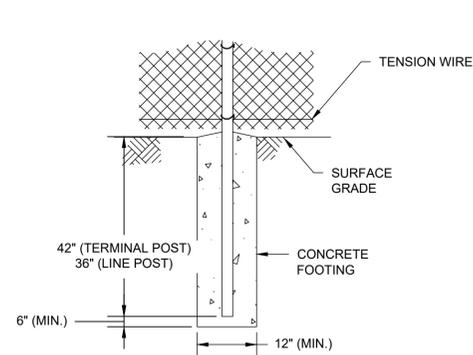
**KILBY STREET BOOSTER PUMP STATION
WEIR RIVER WATER SYSTEM**

CIVIL CONSTRUCTION DETAILS III

FOR PERMITTING

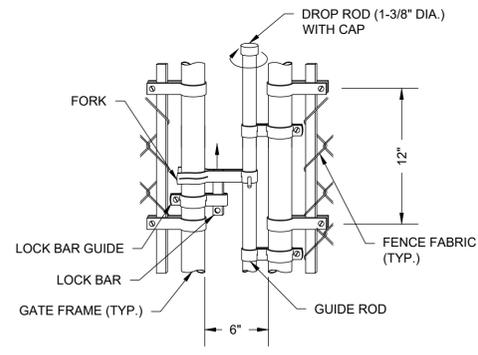
Sheet No.

CD-3



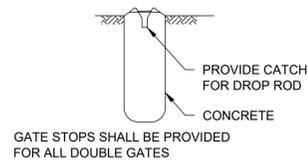
FENCE FOOTING DETAIL

SCALE: N.T.S.



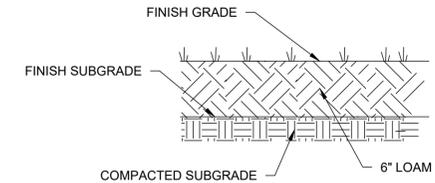
DROP ROD ASSEMBLY DETAIL

SCALE: N.T.S.



GATE STOP DETAIL

SCALE: N.T.S.

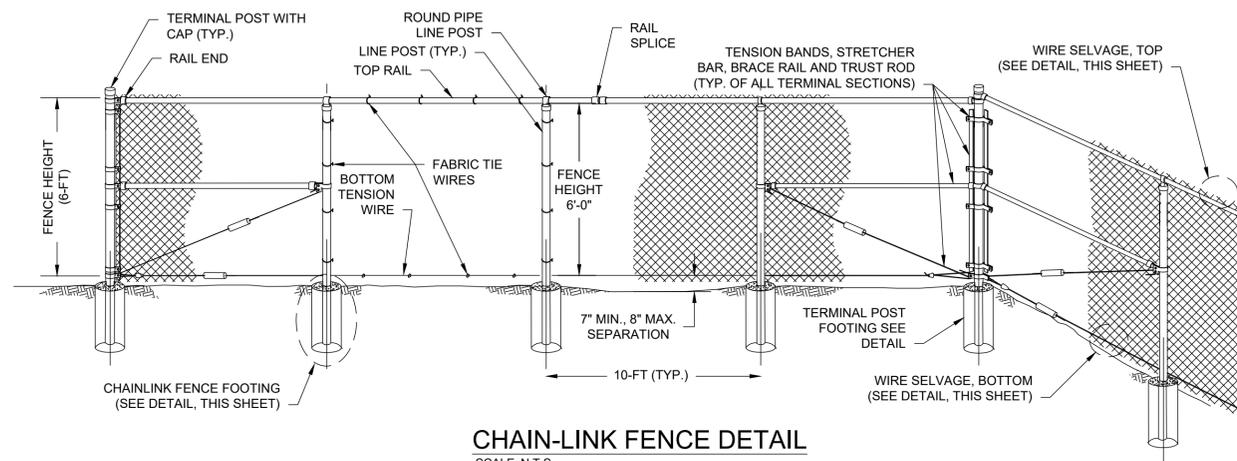


NOTE:

1. INSTALL CURLEX CL EROSION CONTROL BLANKET AS MANUFACTURED BY AMERICAN EXCELSIOR COMPANY (OR APPROVED EQUAL) ON ALL LOAM AND SEEDED SLOPES 3:1 OR STEEPER.
2. REFER TO L-DRAWINGS FOR SEED MIX.

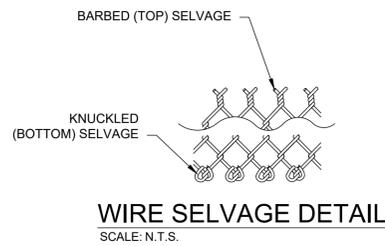
LOAM AND SEED (DISTURBED AREAS)

SCALE: N.T.S.



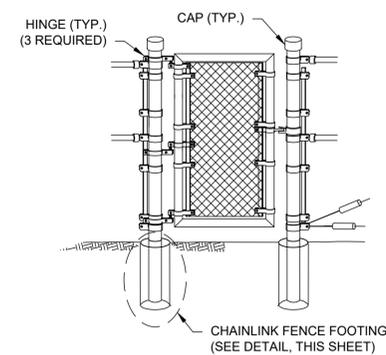
CHAIN-LINK FENCE DETAIL

SCALE: N.T.S.



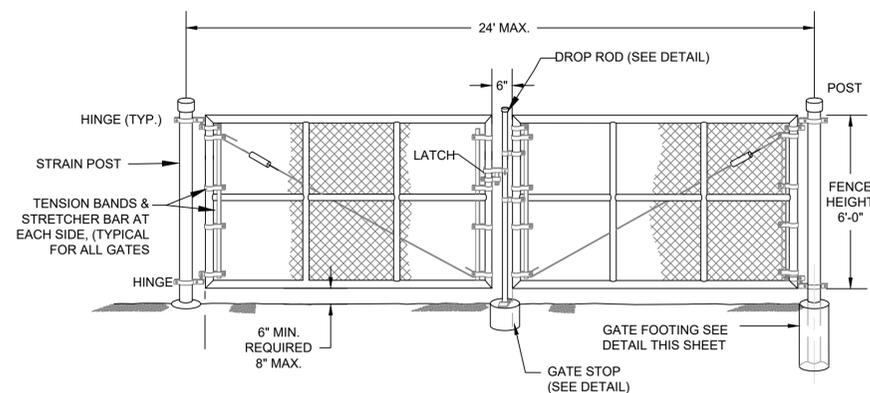
WIRE SELVAGE DETAIL

SCALE: N.T.S.



4-FT WIDE PEDESTRIAN GATE

SCALE: N.T.S.



DOUBLE SWING GATE DETAIL

SCALE: N.T.S.



5/20/2025

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Drawn by	JDH/MEPA
Checked by	MEPA
Approved by	ASK

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**KILBY STREET BOOSTER PUMP STATION
WEIR RIVER WATER SYSTEM**

CIVIL CONSTRUCTION DETAILS IV

FOR PERMITTING

Sheet No.

CD-4

Appendix E

Town of Hingham Board of Appeals Notice of Decision



TOWN OF HINGHAM

Board of Appeals

RECEIVED

MAR 13 2025

Town Clerk
Hingham, MA

NOTICE OF DECISION VARIANCE

IN THE MATTER OF:

Applicant: Board of Water Commissioners
Hingham Town Hall
210 Central Street
Hingham, MA 02043

Owner: Town of Hingham
Acting by and through the Hingham Municipal Light Plant
31 Bare Cove Park Drive
Hingham, MA 02043

Property: 0 Kilby Street, Hingham, MA 02043

Registered Land: Land Court Certificate of Title No. 22301

Plan and Document References: Existing Conditions Plan, C-1, prepared by APEX, dated March 2025 (1 sheet);
Draft Building Layout, C-2, prepared by APEX dated March 2025 (1 sheet);
Draft Elevation Plan, C-3, prepared by APEX, dated March 2025 (1 sheet);
Attachment 1 to Application packet, image of proposed Booster Pump station, date stamped February 13, 2025 (1 sheet).

SUMMARY OF PROCEEDINGS

This matter came before the Board of Appeals (the "Board") on the application of the Hingham Board of Water Commissioners (the "Applicants") for Variances from § IV-A, §IV-B, 2 and §IV-B, 5 of the Zoning By-Law (the "By-Law") and such other relief as necessary to construct a new booster pump station at 0 Kilby Street in the Official and Open Space District.

The Board heard the application at a duly advertised and noticed public hearing on Tuesday, March 11, 2025, during a meeting held remotely via Zoom as an alternate means of public access pursuant to Chapter 2 of the Acts of 2023 and all other applicable laws temporarily amending certain provisions of the Open Meeting Law.

The Board of Appeals panel consisted of Paul K. Healey, Acting Chair, Jed Ruccio, Member and Michael Mercurio, Associate Member. At the conclusion of the hearing, the Board voted unanimously to grant the requested relief.

Throughout the hearing, the Board was mindful of the statements of the Applicant and the comments of the general public, all as made or received at the public hearing.

BACKGROUND AND DISCUSSION:

The subject property consists of 30,261 SF of undeveloped land at 0 Kilby Street, which is located in the Official and Open Space District. The Water Commissioners determined that a new booster pump station needed to be installed between the Turkey Hill water storage tank and the new Strawberry Hill water storage tank (located in Hull) to reduce the pressure head required at the water treatment plant to enable them to fill the Strawberry Hill tank. The 0 Kilby Street parcel was identified as the most optimal location for this needed equipment.

In the Official and Open Space District no minimum lot area required, however a 40' setback is required in the front, side and rear setbacks. 0 Kilby Street is irregularly shaped and has significant wetlands in the rear of the property; causing the siting of the pump station to be pushed forward to the front of the parcel, and thus making it difficult to locate the pump station in a conforming location.

The Applicant requested a Variance from section IV-A – Area of Dimensional Requirements of the front yard setback (20' where 40' is required) and the southerly side yard setback (20' where 40' is required), as well as Variances from Section IV-B, 2 and Section IV-B, 5 of the Special Requirements to the Schedule of Dimensional Requirements. In addition, the Applicant requested a Variance from Section IV-B, 2 to allow them to maintain only 1-FT of the required Green or landscaped strip for a portion of the frontage, (where 15-FT is required). This is due to the site constraints noted above. Due to the building envelope being pushed forward, the entrance driveway will need to be used for two parking spaces and for the installation of a security fence.

The Applicant also requested a Variance from two provisions of Section IV-B, 5; the first being a Variance to allow them to maintain a 1-FT green yard along a portion of the frontage where the two parking spaces and security fence will be located (where a 20-FT wide green yard along the frontage of the parcel is required). Second, because the property abuts a residential district on both side yards and the rear yard, Section IV-B, 5 requires a 50' green yard space along such yards in an undisturbed natural condition. The Applicant requested a Variance from this section of the By-Law to allow them to maintain a 20-FT wide green space on the southerly side yard line, (where 50' is required; with the further exception for a security fence and a 3'x3' concrete pad that will be located in this 20' area). A 50-FT green space will be maintained along both the northerly side yard line and the rear yard line.

FINDINGS

Based on the information submitted and presented during the review, and the deliberations and discussions of the Board during the meetings, the Board made the following findings in accordance with the approval criteria under § I-D, 2.c of the By-Law:

- 1. Circumstances related to soil, shape, or topography especially affect the land or structures in question:** The westerly boundary of the property where its frontage is located is 100' while the rear (southerly) boundary with a length of 266' is at a significant angle. The result is an irregular northern boundary with the front third of the parcel being significantly narrower than the rear of the parcel. In addition, the widest portion of the parcel in the rear and to the north has a significant amount of wetlands and is subject to the no-build 50-foot buffer from the wetlands.
- 2. The literal enforcement of the By-Laws would involve substantial hardship financial or otherwise.** A booster pump station is necessary for the health, safety and welfare of the public water supply for the Towns of Hingham and Hull. The pump station will support the new water storage tank that is being constructed in Hull. If the booster pump station is not built it would be detrimental to the new water storage tank filling to its proper level. The requested variances are needed in order to situate the necessary pump station on the site with necessary appurtenances, such as a generator and two parking spaces. The Weir River Water System would be unable to build a booster pump station which is critical to water system operations.
- 3. A Variance may be granted without substantial detriment to the public good.** The booster pump station will support the new water storage tank, significantly improving the water supply for the Hingham and Hull water system. This upgrade is essential for meeting the community's growing needs and ensuring a reliable water source, and adequate fire flow availability to Hull.

The station will be located 20 feet off Kilby Street and designed to the extent possible to resemble a residential structure, ensuring it remains unobtrusive. With minimal daily visitors and low noise levels, the station will not disrupt the daily lives of residents or the surrounding environment.

- 4. A Variance may be granted without nullifying or substantially derogating from the intent or purposes of the By-Law.** The booster pump station and water storage tank are essential infrastructure improvements that support the health, safety and welfare of the public water supply. The pump station building will be designed in a manner to blend in to the extent possible with the nearby residential homes. There will be minimal traffic at the pump station.

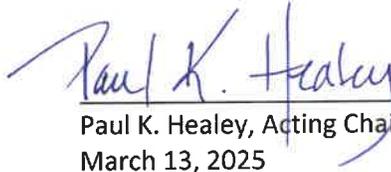
The relief will also allow the project to proceed with minimal environmental disruption to the adjacent wetlands.

DECISION

Upon a motion made by Jed Ruccio and seconded by Michael Mercurio, the Board voted unanimously to grant a Variance from § IV-A; §IV-B, 2; and §IV-B, 5 of the By-Law, and such other relief as necessary, to construct a new booster pump station at 0 Kilby Street in the Official and Open Space District, subject to the following conditions:

- a. Prior to application for a building permit, the Applicant shall submit a plan prepared by a licensed surveyor confirming the location of the pump station and related structures consistent with the project plans submitted with its variance application.
- b. The proposed work shall be completed in a manner consistent with the approved plans and the representations made at the hearing before the Board.
- c. Prior to the issuance of the certificate of occupancy, the Applicants shall submit an as-built plan prepared by a licensed surveyor confirming that the project was constructed in accordance to the approved plans.

For the Board of Appeals,



Paul K. Healey, Acting Chair
March 13, 2025

This Decision shall not become effective until (i) the Town Clerk has certified on a copy of this decision that twenty (20) days have elapsed after the decision has been filed in the office of the Town Clerk and no appeal has been filed or that if such an appeal has been filed, that it has been dismissed or denied, and that (ii): a copy thereof has been duly recorded in the Plymouth County Registry of Deeds and indexed in the grantor index under the name of the owner of record.

Appendix F

Wetlands Delineation Documentation



June 24, 2024

ENVIRONMENTAL PARTNERS GROUP
1900 Crown Colony Drive, Suite 402
Quincy, Massachusetts 02169
Attention: Chris Dapson, Project Engineer

RE: Wetland Resource Area Delineation for Weir River Water System Project
Parcel off Kilby Street, Hingham, Massachusetts

Dear Chris:

On June 7, 2024; at your request and in preparation for proposed activities; I investigated the above-referenced Project location (hereinafter referred to as the site) for the presence of wetland resource areas as defined under the Massachusetts Wetlands Protection Act (M.G.L. Chapter 131, Section 40) and the associated regulations, 310 CMR 10.00 (Regulations) and the Town of Hingham Wetlands Protection By-law (By-law). More specifically, the parcel of land located north of #42 ("Sons of Italy") and south of #57 Kilby Street. The purpose of the investigation was to identify the wetland resource areas within the 100-foot buffer zone of the proposed Weir River water System Project proposed by the Weir River Water System and the Town of Hingham. The following provides a description of my findings.

The wetland resource area identified on and, in the vicinity of, the site is defined under Section 10.55 of the Regulations and under the By-law as bordering vegetated wetland (BVW). The BVW; which is shown on the MassGis Map as wetland system located on/off the site to the east; was delineated with pink flags labeled WF-1 thru WF-17 (see the attached sketch of the wetland flags). The BVW; which would be characterized as a shrub swamp wetland system; is well-defined by the slope and/or existing boulders and by the presence of wetland, transitional and upland plant species such as: red maple (*Acer rubrum*), shagbark hickory (*Carya ovata*), elm (*Ulmus americana*) and white oak (*Quercus alba*) in the tree/sapling layer; spicebush (*Lindera benzoin*), sweet pepperbush (*Clethra alnifolia*), multiflora rose (*Rosa multiflora*), tartarian honeysuckle (*Lonicera tartarica*), bittersweet (*Celastrus orbiculata*), arrow-wood (*Viburnum dentatum*), grape (*Vitis, spp.*) and glossy buckthorn (*Rhamnus cathartica*) in the shrub/vine layer; and cinnamon fern (*Osmunda cinnamomea*), skunk cabbage (*Symplocarpus foetidus*), royal fern (*Osmunda regalis*) and dewberry (*Rubus hispidus*) in the herbaceous layer. The BVW also exhibits other hydrological indicators such as stained/matted leaves buttressed

Page 2. Weir River Water System Project, Kilby Street, Hingham, MA

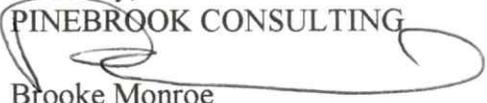
roots and saturated soils. It is my understanding that the wetland flags are to be surveyed and shown on a Plan to be submitted with a Request for Determination of Applicability (RDA) or a Notice of Intent (NOI) to the Hingham Conservation Commission for a permit to conduct the proposed Project work.

According to the most recent Massachusetts Natural Heritage Program (NHESP) Atlas (15th Edition) dated August 1, 2021, the Project Area is not mapped as estimated and/or priority habitat for rare wildlife and/or rare species and there are no certified/mapped vernal pools on the site.

If you have any questions regarding these findings and/or you need additional information, please feel free to call me at any time. I am glad I could assist you with this project, and let me know if I can be of any help in the future.

Sincerely,

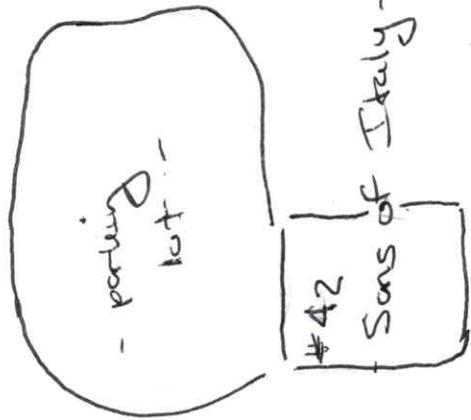
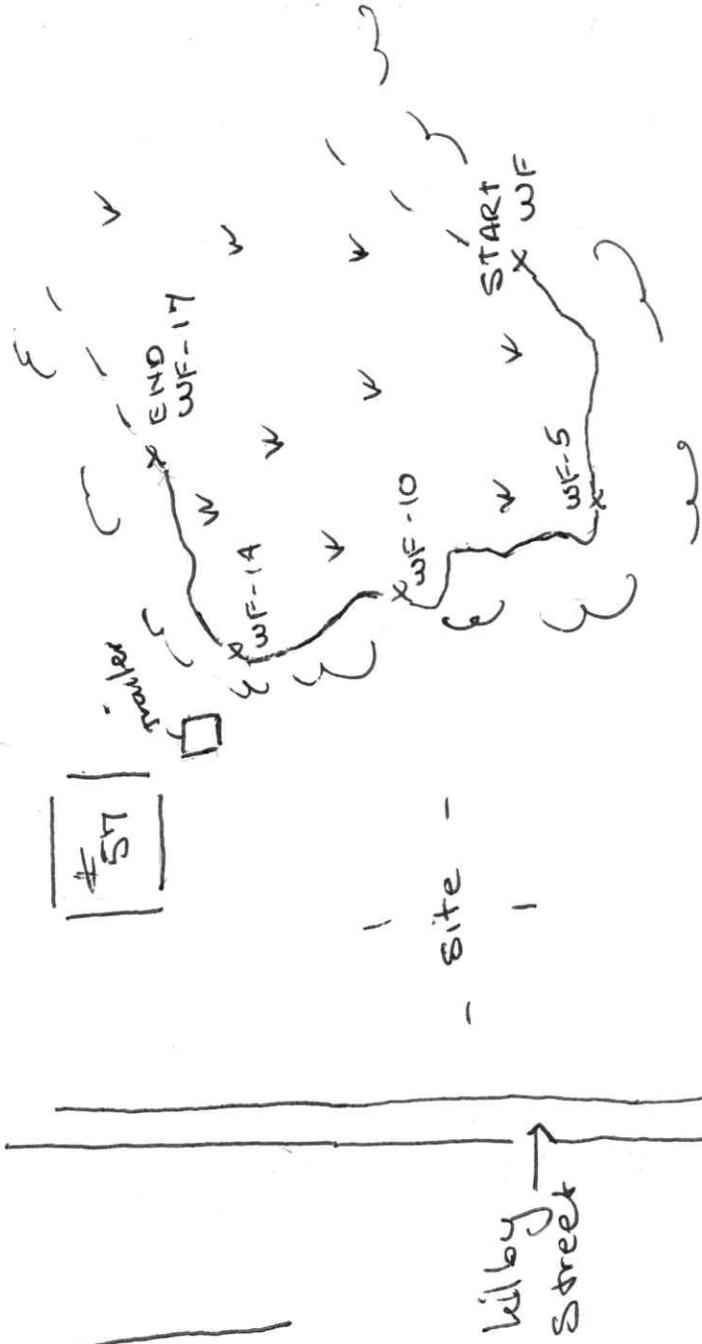
PINEBROOK CONSULTING



Brooke Monroe

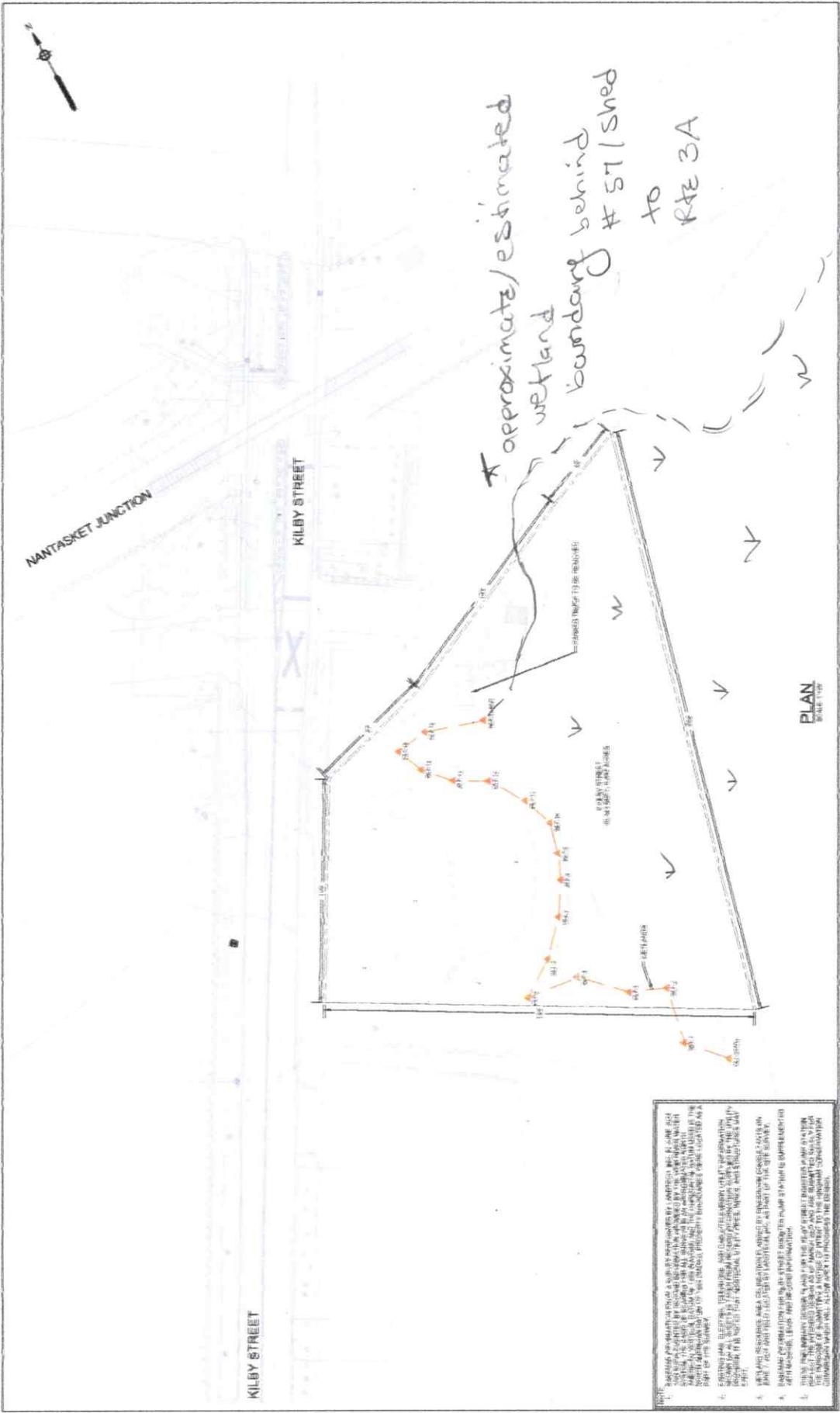
Environmental Scientist

Wetland Flags
Water Tank Site -
Kilby Street
Hingham, MA
6/11/2024



Kilby Street

← Chief Justice Cushing Highway (Rte 3A) →



NOTES:
 1. EXISTING AND PROPOSED UTILITIES ARE SHOWN AS PER THE ATTACHED UTILITY RECORD DRAWINGS. THE LOCATION OF UTILITIES IS BASED ON THE RECORD DRAWINGS AND FIELD SURVEY DATA. THE CLIENT IS RESPONSIBLE FOR VERIFYING THE LOCATION OF UTILITIES PRIOR TO CONSTRUCTION.
 2. EXISTING AND PROPOSED UTILITIES ARE SHOWN AS PER THE ATTACHED UTILITY RECORD DRAWINGS. THE LOCATION OF UTILITIES IS BASED ON THE RECORD DRAWINGS AND FIELD SURVEY DATA. THE CLIENT IS RESPONSIBLE FOR VERIFYING THE LOCATION OF UTILITIES PRIOR TO CONSTRUCTION.
 3. THE PROPOSED WEIR STRUCTURE IS SHOWN AS PER THE ATTACHED UTILITY RECORD DRAWINGS. THE LOCATION OF THE WEIR IS BASED ON THE RECORD DRAWINGS AND FIELD SURVEY DATA. THE CLIENT IS RESPONSIBLE FOR VERIFYING THE LOCATION OF THE WEIR PRIOR TO CONSTRUCTION.
 4. THE PROPOSED WEIR STRUCTURE IS SHOWN AS PER THE ATTACHED UTILITY RECORD DRAWINGS. THE LOCATION OF THE WEIR IS BASED ON THE RECORD DRAWINGS AND FIELD SURVEY DATA. THE CLIENT IS RESPONSIBLE FOR VERIFYING THE LOCATION OF THE WEIR PRIOR TO CONSTRUCTION.

			
DATE:	10/15/2014	PROJECT:	KILBY STREET BOOSTER PUMP STATION WEIR RIVER WATER SYSTEM
SCALE:	1/8" = 1'-0"	DATE:	10/15/2014
DESIGNED BY:	AP/ST	DATE:	10/15/2014
CHECKED BY:	AP/ST	DATE:	10/15/2014
APPROVED BY:	LEU	DATE:	10/15/2014
MARK:		DATE:	
DATE:		DESCRIPTION:	
KILBY STREET BOOSTER PUMP STATION WEIR RIVER WATER SYSTEM EXISTING CONDITIONS			
SHEET NO. C-1			

Appendix G

MassDEP Notice of Wetland Fee Transmittal Form



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. Location of Project:

a. Street Address _____ b. City/Town _____
 c. Check number _____ d. Fee amount _____

2. Applicant Mailing Address:

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. 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 _____

B. Fees

Fee should be calculated using the following process & 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

Step 5/Total Project Fee: _____

Step 6/Fee Payments:

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

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

City/Town share of filing Fee: _____
 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.)

Appendix H

Affidavit of Service, Certified of Mailing, Abutter Notification Form, Abutter's List

AFFIDAVIT OF SERVICE

Under the Massachusetts Wetlands Protection Act

(To be submitted to the Massachusetts Department of Environmental Protection
and the Conservation Commission when filing a Notice of Intent)

I, Jonathan Hittie, hereby certify under the
(Name of person making the Affidavit)

pains and penalties of perjury that on 5/20/25 I gave notification to abutters
(Date)

in compliance with the second paragraph of Massachusetts General Laws Chapter 131, Section
40, and the DEP Guide to Abutter Notification dated April 8, 1994, in connection with the
following matter:

A Notice of Intent filed under the Massachusetts Wetlands Protection Act by

Russell Tierney with the Weir River Water System
(Name of Applicant) (Name of Municipality)

Conservation Commission on 5/20/25 for property located at
(Date)

0 Kilby Street, Hingham, MA
(Address of land where work is proposed)

The form of the notification and a list of the abutters to whom it was given and their addresses,
are attached to this Affidavit of Service.


(Name)

5/20/25
(Date)

Certificate of Mailing — Firm



QUINCY
47 WASHINGTON ST
QUINCY, MA 02169-5301
(800)275-8777

05/20/2025

Account #: XXXXXXXXXXXXX1971
Approval #: 045173
Transaction #: 077
AID: A0000000031010
AL: VISA CREDIT
PIN: Not Required

Chip

TO RECORD AN ISSUE

TOTAL NO.
of Pieces Listed by Sender

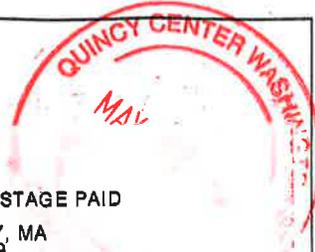
6

TOTAL NO.
of Pieces Received at Post Office™

6

Affix Stamp Here
Postmark with Date of Receipt.

Postmaster, per (name of receiving employee)



U.S. POSTAGE PAID
QUINCY, MA
02169
MAY 20, 25
AMOUNT
\$3.90
S2324A501880-17

USPS® Tracking Number	Address (Name, Street, City, State, and ZIP Code™)	Postage	Fee	Special Handling	Parcel Airlift
1.	BLEIDORN ELIZABETH TT BLEIDORN FAMILY TRUST 57 KILBY STREET HINGHAM MA 02043				
2.	MBTA REAL ESTATE DEPT 10 PARK PLAZA, RM 5750 BOSTON, MA 02116-3969				
3.	MASS BAY TRANS AUTHORITY PO BOX 845142 BOSTON, MA 02284				
4.	SOUTH SHORE LODGE #1850 TRUSH BY TRUSTEES 39 KILBY STREET HINGHAM, MA 02043				
5.	BREWER MEADOWS REALTY LLC PO BOX 700 SCITUATE MA 02066				
6.	STEAM SHOVEL FARM LLC 114 WEIR STREET HINGHAM MA 02043				



NOTIFICATION TO ABUTTERS

Under the MA Wetlands Protection Act and
Hingham Wetlands Protection By-Law

In accordance with the second paragraph of the Massachusetts General Laws Chapter 131 §40, and Section 7.5 of the Hingham Wetland Regulations, you are hereby notified of the following:

_____ has filed a _____
Applicant Name *Application Type*

with the Town of Hingham Conservation Commission seeking permission to remove, fill, dredge, or alter an Area Subject to Protection under the Wetlands Protection Act, M.G.L. 131 §40, and/or the Town of Hingham Wetlands Protection By-Law [Article 22].

The address of the property where work is proposed: _____

The proposed work includes: _____

Copies of the application may be examined at the Conservation Office located at Hingham Town Hall, 210 Central Street, Hingham, MA during the following business hours:

Monday, Wednesday, Thursday: 7:30AM- 4:30PM

Tuesday: 7:30AM - 7:00PM

Fridays: closed

For more information, to request copies of the application, or obtain information about the public hearing please contact the Conservation Office at (781)741-1445 or by emailing Conservation@hingham-ma.gov

You may also request copies of the application from the applicant or applicant's representative by contacting _____ at (_____) _____ between the hours of _____ and _____ on the following days: _____.

An Administrative fee may be applied for providing copies of the application or plans.

Notice of the public hearing, including the date, time, and place will be published at least five (5) business days in advance of the hearing in the Patriot Ledger. Notice will also be posted on the town website at least forty-eight (48) hours in advance of the public hearing. To view the agenda, go to [Agenda Center • Hingham, MA • CivicEngage \(hingham-ma.gov\)](#)

The Department of Environmental Protection (DEP) Southeast Regional Office can also provide information about this application or the MA Wetlands Protection Act. DEP is located at 20 Riverside Drive, Lakeville, MA 02347 and can be reached by telephone at (508) 946-2700.

TOWN OF HINGHAM
BOARD OF ASSESSORS



CERTIFICATION SHEET

Property Address: 0 Kilby Street

Parcel ID: 64-0-2

Pursuant to the provisions of Chapter 131 Section 40 of the MA General Laws and Article 22 of the Town of Hingham General Bylaws (Wetlands Protection By-law), we hereby certify that the list attached hereto is a true list of names and addresses of abutters concerning a matter to be heard by the Hingham Conservation Commission involving the above-referenced property.

As used herein the term “abutter” means:

Owners of adjoining land within 100 feet of the property line where the activity proposed;

Owners of adjoining land within 300 feet of the property line where the activity proposed for coastal projects; or

Owners of land directly opposite on any public or private street or way; or across a body of water.

All as they appear on the most recent applicable tax list.

BOARD OF ASSESSORS

CERTIFICATION DATE

April 28, 2025

Abutters List[print this list](#)

Date: April 24, 2025

Subject Property Address: 0 KILBY STREET Hingham, MA
Subject Property ID: 64-0-2

Search Distance: 100 Feet

Owner: BLEIDORN ELIZABETH TT
Co-Owner: BLEIDORN FAMILY TRUST
Prop ID: 53-0-30
Prop Location: 57 KILBY STREET Hingham, MA
Mailing Address:

57 KILBY STREET
HINGHAM, MA 02043

Owner: COMMONWEALTH OF MASSACHUSETTS
Prop ID: 54-0-9.A
Prop Location: 2 HULL STREET Hingham, MA
Mailing Address:
MBTA REAL ESTATE DEPT
10 PARK PLAZA RM. 5750
BOSTON, MA 02116-3969

Owner: MASS BAY TRANS AUTHORITY
Prop ID: 64-0-1
Prop Location: 0 JUSTICE CUSHING WY Hingham, MA
Mailing Address:
PO BOX 845142
BOSTON, MA 02284

Owner: SOUTH SHORE LODGE #1850 TRUST
Co-Owner: BY TRUSTEES
Prop ID: 64-0-3
Prop Location: 39 KILBY STREET Hingham, MA
Mailing Address:
39 KILBY STREET
HINGHAM, MA 02043

Owner: BREWER MEADOWS REALTY LLC
Prop ID: 64-0-37
Prop Location: 30 KILBY STREET Hingham, MA
Mailing Address:
P O BOX 700
SCITUATE, MA 02066

Owner: STEAM SHOVEL FARM LLC
Prop ID: 64-0-4
Prop Location: 90 JUSTICE CUSHING WY Hingham, MA
Mailing Address:
114 WEIR STREET
HINGHAM, MA 02043

Appendix I

Stormwater Report

Included in secondary email

Appendix J

Seed Mixes for Stormwater Retention Pond and Buffer Mitigation Plantings

NEW ENGLAND WETLAND PLANTS, INC

14 Pearl Lane South Hadley, MA 01075

PHONE: 413-548-8000 FAX 413-549-4000

EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM

New England Wildflower Mix

Botanical Name	Common Name	Indicator
<i>Schizachyrium scoparium</i>	Little Bluestem	FACU
<i>Sorghastrum nutans</i>	Indian Grass	UPL
<i>Chamaecrista fasciculata</i>	Partridge Pea	FACU
<i>Elymus virginicus</i>	Virginia Wild Rye	FACW-
<i>Elymus canadensis</i>	Canada Wild Rye	FACU+
<i>Festuca rubra</i>	Red Fescue	FACU
<i>Asclepias tuberosa</i>	Butterfly Milkweed	NI
<i>Vernonia noveboracensis</i>	New York Ironweed	FACW+
<i>Oenothera biennis</i>	Evening Primrose	FACU-
<i>Aster novae-angliae (Symphyotrichum novae-anglia)</i>	New England Aster	FACW-
<i>Rudbeckia hirta</i>	Black Eyed Susan	FACU-
<i>Solidago juncea</i>	Early Goldenrod	
<i>Eupatorium fistulosum (Eutrochium fistulosum)</i>	Hollow-Stem Joe Pye Weed	FACW
<i>Aster lateriflorus (Symphyotrichum lateriflorum)</i>	Starved/Calico Aster	FACW

APPLY: 23 LBS/ACRE :1900 sq ft/lb

New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged. Price is \$/bulk pound, FOB warehouse, Plus SH and applicable taxes.

NEW ENGLAND WETLAND PLANTS, INC

14 Pearl Lane South Hadley, MA 01075

PHONE: 413-548-8000 FAX 413-549-4000

EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM

New England Native Warm Season Grass Mix

Botanical Name	Common Name	Indicator
<i>Schizachyrium scoparium</i>	Little Bluestem	FACU
<i>Andropogon gerardii</i>	Big Bluestem	FAC
<i>Elymus virginicus</i>	Virginia Wild Rye	FACW-
<i>Sorghastrum nutans</i>	Indian Grass	UPL
<i>Festuca rubra</i>	Red Fescue	FACU
<i>Panicum virgatum</i>	Switch Grass	FAC

APPLY: 23 LBS/ACRE :1900 sq ft/lb

The New England Native Warm Season Grass Mix contains a broad spectrum of native warm season grasses to insure that a variety of the species will survive in the sandy, droughty conditions typically found along roadsides, gravel mine reclamation areas, and other low-fertility well drained soil conditions. This mix is somewhat slow to germinate and establish during the first year of planting, but it will produce good cover by the end of the second growing season to produce long-living native stands. The cool season grasses have been added as a "starter" seed for erosion control. This mix has excellent heat and drought tolerance, and grows best in well drained soils. Warm season grasses provide excellent year round cover and food for wildlife, particularly as winter cover for small animals. This mix can be applied by hydroseeding, by mechanical spreader or by hand. Best results are obtained with a mid-late Spring seeding.

New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged. Price is \$/bulk pound, FOB warehouse, Plus SH and applicable taxes.

NEW ENGLAND WETLAND PLANTS, INC

14 Pearl Lane South Hadley, MA 01075

PHONE: 413-548-8000 FAX 413-549-4000

EMAIL: INFO@NEWP.COM WEB ADDRESS: WWW.NEWP.COM

New England Erosion Control/Restoration Mix For Detention Basins and Moist Sites

Botanical Name	Common Name	Indicator
<i>Elymus riparius</i>	Riverbank Wild Rye	FACW
<i>Schizachyrium scoparium</i>	Little Bluestem	FACU
<i>Festuca rubra</i>	Red Fescue	FACU
<i>Andropogon gerardii</i>	Big Bluestem	FAC
<i>Panicum virgatum</i>	Switch Grass	FAC
<i>Vernonia noveboracensis</i>	New York Ironweed	FACW+
<i>Agrostis perennans</i>	Upland Bentgrass	FACU
<i>Bidens frondosa</i>	Beggar Ticks	FACW
<i>Eupatorium maculatum (Eutrochium maculatum)</i>	Spotted Joe Pye Weed	OBL
<i>Eupatorium perfoliatum</i>	Boneset	FACW
<i>Aster novae-angliae (Symphyotrichum novae-anglia)</i>	New England Aster	FACW-
<i>Scirpus cyperinus</i>	Wool Grass	FACW
<i>Juncus effusus</i>	Soft Rush	FACW+

APPLY: 35 LBS/ACRE :1250 sq ft/lb

The New England Erosion Control/Restoration Mix for Detention Basins and Moist Sites contains a selection of native grasses and wildflowers designed to colonize generally moist, recently disturbed sites where quick growth of vegetation is desired to stabilize the soil surface. It is an appropriate seed mix for ecologically sensitive restorations that require stabilization as well as long-term establishment of native vegetation. This mix is particularly appropriate for detention basins that do not hold standing water. Many of the plants in this mix can tolerate infrequent inundation, but not constant flooding. The mix may be applied by hand, by mechanical spreader, or by hydro-seeder. After sowing, lightly rake, roll or cultipack to insure good seed-to-soil contact. Best results are obtained with a Spring or late Summer seeding. Late Fall and Winter dormant seeding requires an increase in the application rate. A light mulching of clean, weed-free straw is recommended

New England Wetland Plants, Inc. may modify seed mixes at any time depending upon seed availability. The design criteria and ecological function of the mix will remain unchanged. Price is \$/bulk pound, FOB warehouse, Plus SH and applicable taxes.

Appendix K

Proof of Electronic Filing to the MA Department of Environmental Protection

Receipt



Summary/Receipt

Your submission is complete. Thank you for using DEP's online reporting system. You can select "My eDEP" to see a list of your transactions.

print receipt

Exit

DEP Transaction ID: 1897232
Date and Time Submitted: 5/21/2025 11:51:37 AM
Other Email :

Form Name: WPA Form 3 - NOI

Project Location

City/Town Name: HINGHAM

location: 0 KILBY STREET

General Description: THE WEIR RIVER WATER SYSTEM IS PROPOSING TO CONSTRUCT A NEW BOOSTER PUMP STATION (BPS) WHICH WILL BE REQUIRED TO FILL A NEW WATER STORAGE TANK THAT IN PLANNED FOR CONSTRUCTION IN HULL, MA. THE BPS WILL BE LOCATED ON TOWN-OWNED PROPERTY AT 0 KILBY STREET IN HINGHAM, MA (TOWN PARCEL ID 64-0-2). REFER TO THE ATTACHED COVER LETTER FOR A MORE DETAILED DESCRIPTION OF THE BPS'S FUNCTION AND THE SITING PROCESS USED TO IDENTIFY THE PROPOSED LOCATION.

Applicant Information

Name: RUSSELL TIERNEY

Company: WEIR RIVER WATER SYSTEM
Address: 185 LINCOLN ST, UNIT 200B, HINGHAM, MA, 02043

Payment Information

Your fee for the state share is \$: 0.00

If you have paid by credit card or ACH, thank you for your payment. If you are paying by check or money order, please send your check (payable to the Commonwealth of Massachusetts) to MassDEP, Box 4062, Boston, MA 02211

Additional Forms Submitted

WPA Form 3 - NOI (Fee Transmittal)(ONLINE ONLY)

Ancillary Document Uploaded/Mailed

0 KILBY BPS Stormwater Report - DRAFT

0 Kilby Street Figures

0Kilby Street Wetland Report_Compiled

Kilby Steet Booster Pump Station For Permitting

Kilby Street Booster Pump Station Narrative and Complete Submission

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