



## **REVISED SUBMITTAL TRANSMITTAL**

- TO: Plympton Conservation Commission
- **FROM:** Brad Holmes
- DATE: April 13, 2023
- RE: 0 Maple Street, Plympton DEP File #SE 266-0229

Please include the following revised submittal with the NOI application under review for 0 Maple Street:

- 1. Waiver Request Letter
- 2. Revised Site Plans

We look forward to presenting this to the Commission at the continued hearing. If you have questions or require additional information, please contact us immediately.



April 13, 2023

Town of Plympton Conservation Commission 5 Palmer Road Plympton, MA 02367-0239

## RE: Request for a Waiver, 0 Maple Street, Plympton, MA DEP File #SE266-0229

Dear Members of the Conservation Commission:

Please accept this Request for a Waiver regarding the proposed new single-family home project located at 0 Maple Street in Plympton, MA (the site). This request is being filed to accompany the Notice of Intent filed with the Plympton Conservation Commission for the proposed project at the site. The proposed project includes the construction of a new single-family home with associated driveway and other appurtenances. Portions of the proposed project are located within the buffer zone to wetland resource areas as identified in the Plympton Wetland Bylaw and Town of Plympton Wetlands Bylaw Regulations. Specifically, the proposed driveway is located within the 100-foot Buffer Zone to a Potential Vernal Pool and within the 25-foot Buffer Zone to Vegetated Wetlands. These activities will require a Waiver.

In accordance with Article III of the Plympton Wetland Regulations, to the applicant requests a Waiver from the following performance standards:

§12. C. (2) Notwithstanding §12C(1), no activity or work that will result in altering the vernal pool or land within the one-hundred-foot buffer zone of any vernal pool, whether or not such lands are within or abut an estimated (rare species) habitat area as designated on the most current map prepared by the Massachusetts Natural Heritage & Endangered Species Program, or Core Habitat or Critical Natural Landscape as designated on BioMap2, or Core Habitat or Critical Natural Landscape as designated by the Conservation Commission. The Commission may grant a waiver of this performance standard as provided in §21.

§16. C. (1) No activity or work, other than the maintenance of an already existing structure, which will result in the building within or upon, removing, filling, or altering of a vegetated wetland, or land within 50 feet of any vegetated wetland (the fifty-foot inner buffer zone), whether or not such lands are within or abut an estimated (rare species) habitat area as designated on the most current map prepared by the Massachusetts Natural Heritage & Endangered Species Program, or Core Habitat or Critical Natural Landscape as designated on BioMap2, shall be permitted by the Conservation Commission.

§19. C. (1) (1) Except as authorized by the Commission, no activity subject to regulation under the Bylaw or these regulations shall be permitted within a twenty-five foot (25') "no touch zone" between the buffer zone and any proposed site disturbance. Nothing herein



shall preclude the maintenance of an existing structure located within the "no touch zone."

The Commission may allow activities upon an express determination that the applicant has made a clear and convincing showing that the proposed work in the "no touch zone" will not adversely affect the ability of the buffer zone to function to protect the wetland values.

§19. C. (4) Vernal pool buffer zone. The Conservation Commission shall not permit any alteration within the entire one-hundred-foot buffer zone of a vernal pool, whether or not such lands are within or abut an estimated (rare species) habitat area as designated on the most current map prepared by the Massachusetts Natural Heritage & Endangered Species Program, or Core Habitat or Critical Natural Landscape as designated on BioMap2, unless the Commission grants a waiver under the provisions of §21, and if granted, such waiver shall have the same conditions and performance standards identified above for the inner fifty-foot no-disturbance zone for undisturbed lands, as provided above.

As noted above, this waiver is being submitted to allow for the work within the 100-foot Buffer Zone to a Potential Vernal Pool and the 25-foot Buffer Zone to Vegetated Wetlands. The project has been designed in this manner because this is the only route to access the upland within the northern portion of the site. There is an existing cart path from Maple Street that extends into the northern portion of the site. The cart path is well defined and provides a clear path to the northern portion of the property. By utilizing the existing cart path and maintaining a pervious driveway, the design minimizes the overall impact of the project to the site. Additionally, mitigation measures during construction will include erosion controls to prevent any sedimentation into the resource areas as well as prevent any disturbance beyond the established work limits.

In order to satisfy the applicant's burden of proof to demonstrate compliance with the above performance, the applicant provides below 1) an analysis of the effects on the Plympton Bylaw values as related to the proposed project, 2) a description of alternatives that were considered, and 3) a description of the benefit to the public that is achieved through the proposed project.

- 1. Bylaw Values:
  - a. Public or Private Water Supplies No adverse effect because the proposed project is not located within a public water supply watershed or within the immediate vicinity of any public water wells.
  - b. Groundwater Supply No adverse effect because this is a buffer zone only project and there is no work proposed within the vegetated wetlands that have a direct interaction with the groundwater supply.
  - c. Flood Control No adverse effects because the proposed project will not alter Land Subject to Flooding not will it alter the vegetated wetlands. Vegetated Wetland flood holding capacities will remain the same.
  - d. Erosion and Sedimentation Control No adverse effect because erosion controls are proposed to be installed prior to work and maintained throughout the duration of the project until the site has been fully stabilized. ECR has provided a



Construction Methodology to ensure no adverse effect and define the limits of work.

- e. Storm Damage Prevention No adverse effect because the proposed project is not located within Land Subject to Coastal Storm Flowage, nor does it alter the land in a significant way that would lead to impacts from wind or stormwater on abutting properties.
- f. Water Quality No adverse effect because this is a buffer zone only project and it does not include any proposed discharges into wetlands/waterways.
- g. Prevention and Control of Pollution No adverse effect because this is a buffer zone only project and it does not include any proposed discharges into wetlands/waterways.
- h. Fisheries, Wildlife Habitat, Rare Species Habitat and Rare Plant and Animal Species No adverse effects to fisheries because there is no work proposed within or near a freshwater or saltwater fishery. The proposed work will be reviewed by NHESP and the applicant shall abide by any conditions set forth by the program.
- Agriculture and Aquaculture values that are important to the community No adverse impacts because the proposed project does not include agriculture or aquaculture activities, nor does it utilize land that would be suitable for these actives.
- 2. Alternatives:
  - a. Build a shorter access driveway through a portion of the wetland as opposed to utilizing the existing cart path. This alternative will shorten the overall length of the proposed driveway; however, it will cause significantly more impacts to the wetland resource areas, associated buffer zones and undisturbed portions of the site.
  - b. Access the site through a shared driveway/easement from the property to the west. This alternative would be beneficial in the sense that there will be a shorter length of driveway required, however that length of driveway will require more impacts to undisturbed portions of the buffer zone.
  - c. Apply for a land donation tax credit, however this will result in a significant financial loss for the property owner.
  - d. Apply for the Chapter 40B Housing program, which includes the applicant's ability to override local zoning and wetlands bylaws in order to provide affordable housing to community members. This option is not preferred by the applicant and regarding wetland protection would be less suitable as there would be less oversight the by Plympton Conservation Commission.
  - e. There are no practicable alternatives to the proposed project.
- 3. The proposed single-family home construction project will benefit the residents of Plympton by providing additional taxes dollars. We expect the Town will collect higher taxes from the property owner on a developed plot. For many cities and towns, property taxes are the largest funding source for teachers, police, firefighters, public works like trash pick-up, and many other local resources and services.



The applicant and design team have considered the multiple site constraints while designing this project and have avoided, minimized and mitigated potential impacts to the site as best as possible. It is my professional opinion based on my education, training and familiarity with the site that a Waiver from the performance standards noted above is warranted for this particular project as there are no reasonable conditions or alternatives that would allow the proposed activity to proceed in compliance with the Town of Plympton Wetland Regulations. Additionally, as designed the proposed project protects all wetland resource areas on and near the site and will not adversely affect the ability of the buffer zone to protect the wetland values under the Plympton Wetlands Bylaw and Wetlands Regulations. I enclose a copy of our company resume, which details my professional qualifications. If you have any questions or require additional information, please contact me at (617) 529-3792.

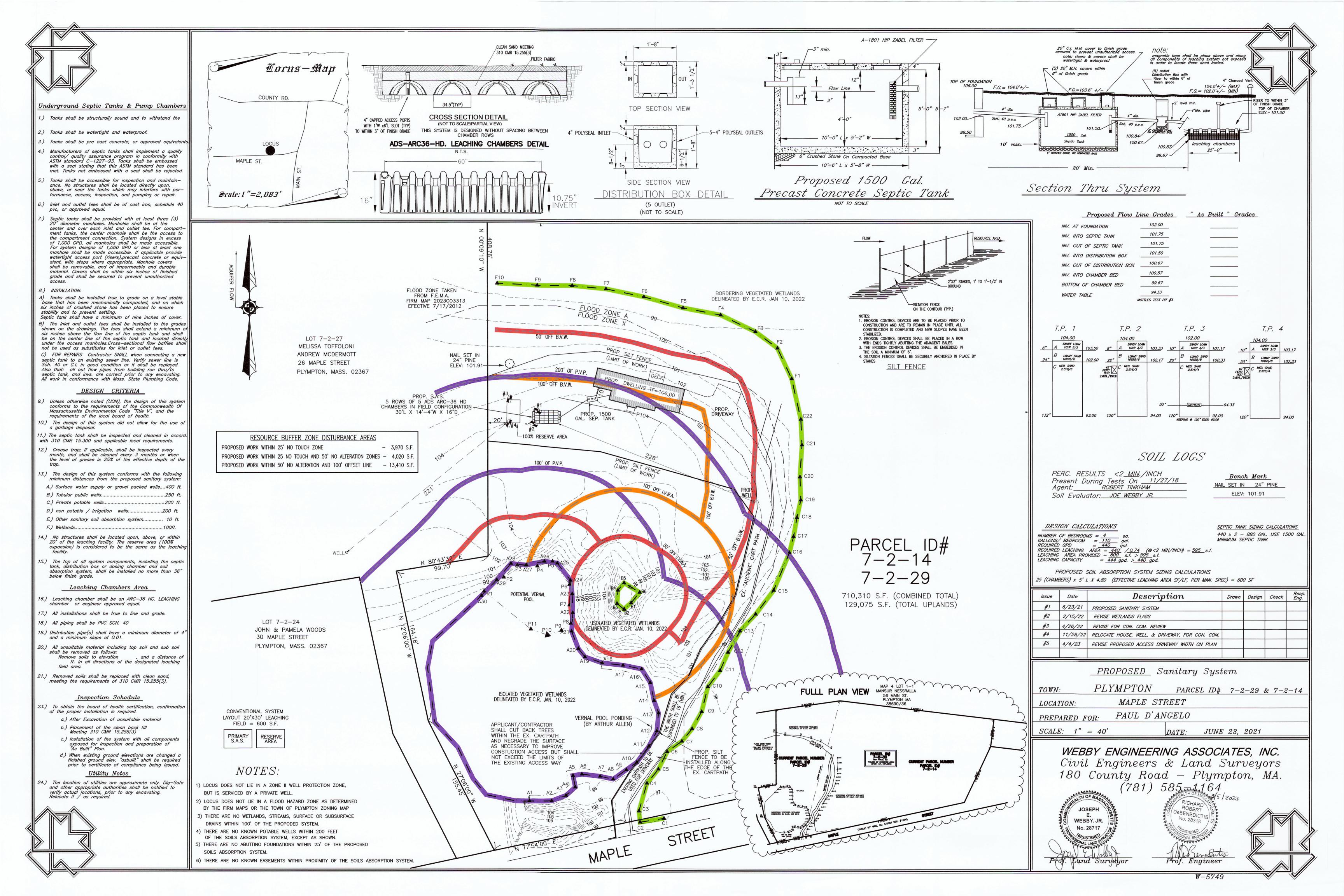
Sincerely, Environmental Consulting & Restoration, LLC

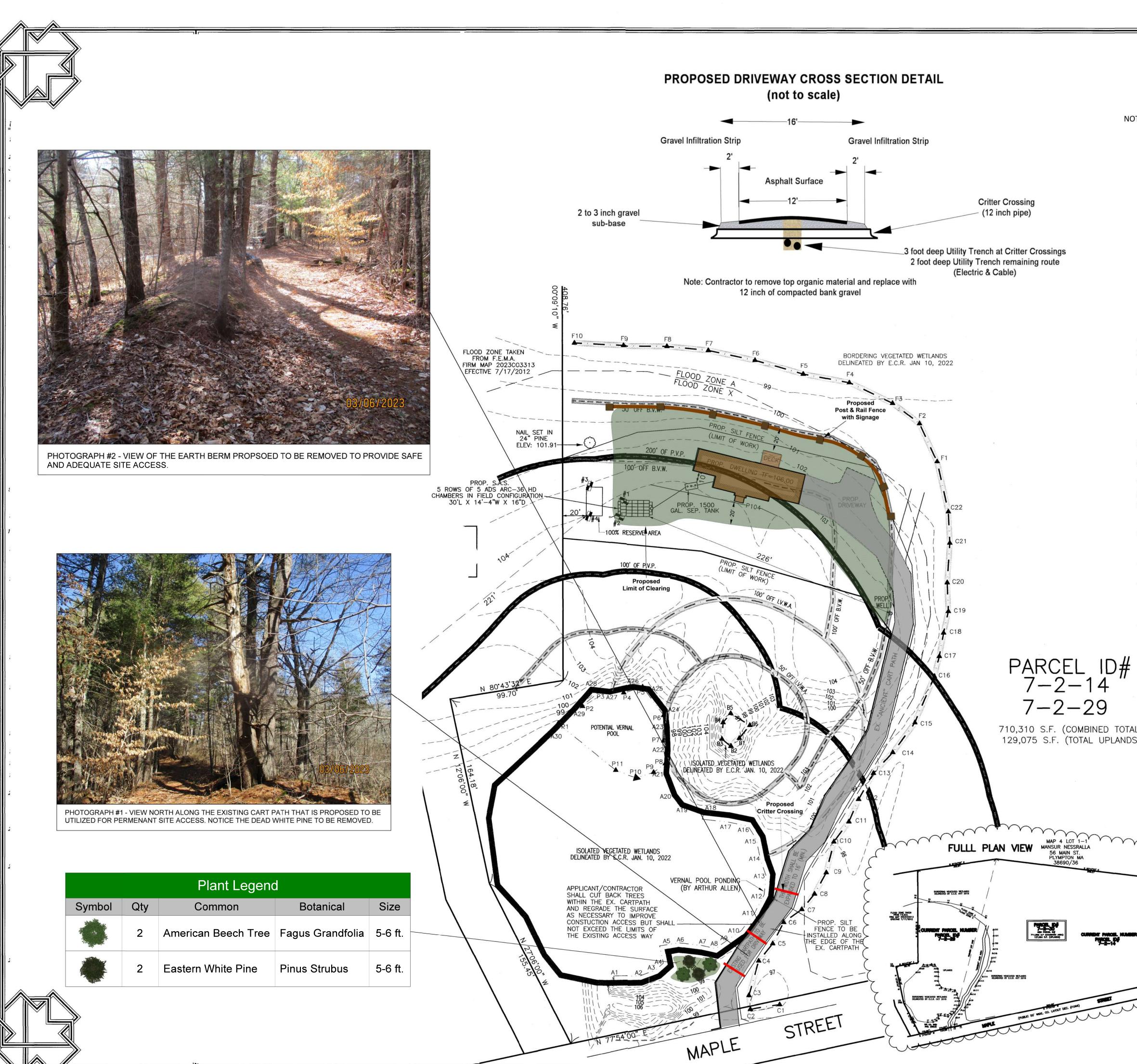
Brad Holmes

Brad Holmes, PWS, MCA Manager

Enclosure: ECR resume

CC: Webby Engineering Associates, Inc. Applicant Attorney Adam J. Brodsky





## NOTES:

- 1. THE PROPOSED DRIVEWAY SHALL UTILIZE THE EXISTING CART PATH TO 16 FEET WIDE.
- 2. THE PROPOSED DRIVEWAY SHALL MEANDER SLIGHTLY TO MINIMIZE IMPACTS TO EXISTING VEGETATION ALONG THE SHOULDER OF THE CART PATH.
- 3. THE EARTH BERM LOCATED LANDWARD OF WETLAND FLAGS #C3 TO #C5 IS PROPOSED TO BE REMOVED TO PROVIDE A 16-FOOT-WIDE DRIVEWAY. THIS INCLUDES THE REMOVAL OF TWO WHITE PINE TREES (26" AND 28" D.B.H.) AND TWO AMERICAN BEACH TREES (8" AND 14" D.B.H.) LOCATED WITHIN THE BERM.
- 4. THE REMOVED TREES WILL BE MITIGATED AT A 1:1 RATIO WITHIN A CLEARING LOCATED LANDWARD OF WETLAND FLAGS #A5 TO #A8.
- 5. SAPLINGS LESS THAN 5 INCHES IN DIAMETER AT BREAST HEIGHT WILL BE REMOVED ONLY WHERE NECESSARY. OVERHANGING LIMBS WILL BE PRUNED BACK WHERE NECESSARY TO PROVIDE ADEQUATE CLEARANCE.

## PROPOSED CONSTRUCTION METHODOLOGY

- Coordinate with survey crew to stake out project limits and proposed erosion control lines. 1.
- 2. Install erosion control barriers to establish the limit of work as shown on the plan. Contact
- Conservation Agent for an inspection of the erosion controls before the start of site activities. 3. Construct temporary construction exit at the proposed driveway location. This task will include ongoing maintenance of the access apron to include sweeping the adjacent roadway abutting the
- access apron at the end of each workday. 4. Discharges from dewatering of excavations shall not be directly diverted into any wetlands or existing storm drains without pretreatment via settling basins. Provide temporary containment areas of stawbales and washed crush stone, to contain and settle silt from dewatering operations, if necessary. Standard construction practices shall be followed.
- 5. Clear the vegetation from the proposed project footprints. Included in this task is grubbing of the stumps within the limit of work.
- 6. Rough grade the project area to include excavation for the foundation. Rough grade the access driveway as shown on the site plan.
- 7. Install the forms and pour the concrete foundation.
- 8. Install the septic system components and utility connections.
- 9. Finalize the construction of the driveway as shown on the plan to include the critter crossings. Please note that the overviewing wetland specialist will provide direction to the construction crew during the installation of the critter crossings.
- 10. Upon completion of the foundation and septic system installation, remove soil stockpiles from the site and finish grading around the house, yard area, etc. If the timing allows, loam and seed all exposed surfaces, minus the driveway and parking area, to stabilize soils.
- 11. Finalize yard construction to include landscape plantings using native plant materials, installation of a post & rail fence, etc.
- 12. Prepare and submit a Request for Partial Certificate of Compliance with asbuilt plan to the Conservation Commission. A Request for a full Certificate of Compliance will be submitted after confirmation of at least 2 full growing seasons following completion of restoration or mitigation plantings, if necessary.
- 13. Remove erosion control devices after confirmation from the Conservation Commission is granted.

| SHEE                               | ET 2  |  |   |  |  |   |
|------------------------------------|---|--|---|--|--|---|
| Issue                              | Date  | Description  | Drawn   | Design   | Check  | Resp.<br>Eng.   |
| #1                                 | 6/23/21   | PROPOSED SANITARY SYSTEM   |   |  |  |   |
| #2                                 | 2/15/22   | REVISE WETLANDS FLAGS  |   |  |  |   |
| #3                                 | 4/26/22   | REVISE FOR CON. COM. REVIEW  |   |  |  |   |
| #4                                 | 11/28/22  | RELOCATE HOUSE, WELL, & DRIVEWAY, FOR CON. COM.  |   |  |  |   |
| #5                                 | 4/4/23  | REVISE PROPOSED ACCESS DRIVEWAY WIDTH ON PLAN  |   |  |  |   |
|                                    |   | PLYMPTON PARCEL ID#  |   | 2-29 a   | <u>k 7–2</u>   | -14   |
|                                    |   |  |   | 1.4.5  |  |   |
| PREPARED FOR: PAUL D'ANGELO        |   |  |   |  |  |   |
| SCALE: $1^{"} = 40^{\prime}$ DATE: |   |  | 23,   | 2021   |  |   |
|                                    | Civil<br>180  | Engineers & Land S<br>County Road - Plym<br>(781) 585-1164<br>(781) 585-1164<br>ROBERT<br>No. 28318<br>BT17<br>ENGINE<br>BY, JR.<br>B717<br>ENGINE<br>BY, JR.<br>B717<br>BY, JR. | Sura<br>pto   | veya   | rs   |   |
|                                    | Issue<br>#1<br>#2<br>#3<br>#4<br>#5<br>TOWN<br>LOCA'<br>PREP<br>SCALI | #1 6/23/21<br>#2 2/15/22<br>#3 4/26/22<br>#4 11/28/22<br>#5 4/4/23<br>TOWN:<br>LOCATION:<br>PREPARED FO<br>SCALE: 1"<br>WEBE<br>Civil<br>180<br>WEBE<br>No. 2<br>WEBE<br>No. 2   | Issue  Date  Description    #1  6/23/21  PROPOSED SANITARY SYSTEM    #2  2/15/22  REVISE WELLANDS FLAGS    #3  4/26/22  REVISE FOR CON. COM. REVIEW    #4  11/22/22  RELOCATE HOUSE, WELL, & DRIVEWAY, FOR CON. COM.    #5  4/4/23  REVISE PROPOSED ACCESS DRIVEWAY WIDTH ON PLAN | Issue  Date  Description  Drown    #1  6/23/21  PROPOSED SANITARY SYSTEM | Issue  Date  Description  Drawn  Design    #1  6/23/21  PROPOSED SANITARY SYSTEM | Issue  Date  Description  Drawn  Design  Check    #1  6/23/21  PROPOSED SANITARY SYSTEM |