NOTICE OF INTENT
UNDER THE TOWN OF WEYMOUTH
WETLANDS PROTECTION ORDINANCE, CHAPTER 7, SECTION 301

1. Project Location 0 Summer Street

2. Town of Weymouth Atlas Reference (Parcel #) Map 32 Block 358 Lot 12

3. Project Description Construction of a single family house

4. County, Norfolk: Book 3637 Page 294

5. *Applicant Mento Construction *Telephone# 781 589 2006

6. *Applicant Address John Mento

7. Property Owner Kathy Benson

8. Representative Kenneth Thomson Telephone# 781 929 1203

9. Representative's Address 134 Spring Street, Rockland, MA 02370

10. Billing Party for Legal Notice (All info is required):
Name: Kenneth Thomson
Address: 134 Spring Street Rockland MA 02370
Home Phone: _____ Cell: 781 929 1203
Email address 5wetlands@gmail.com

11. Has the Conservation Commission received the **original** material **plus six (6) copies** of the Notice of Intent form, 8.5"X11", U.S.G.S. locus and 8.5"x11" sheet clearly showing the proposed site and work in addition to labeled resource areas? YES X NO_____

12. Are the following additional interests relevant to the proposed project? If so, Notice of Intent must include a discussion of these interests. Aesthetics_____ Wildlife_____Recreation _____ Erosion Control X

13. Have you filed your Local Wetland Fees? State Fees? YES X NO_____

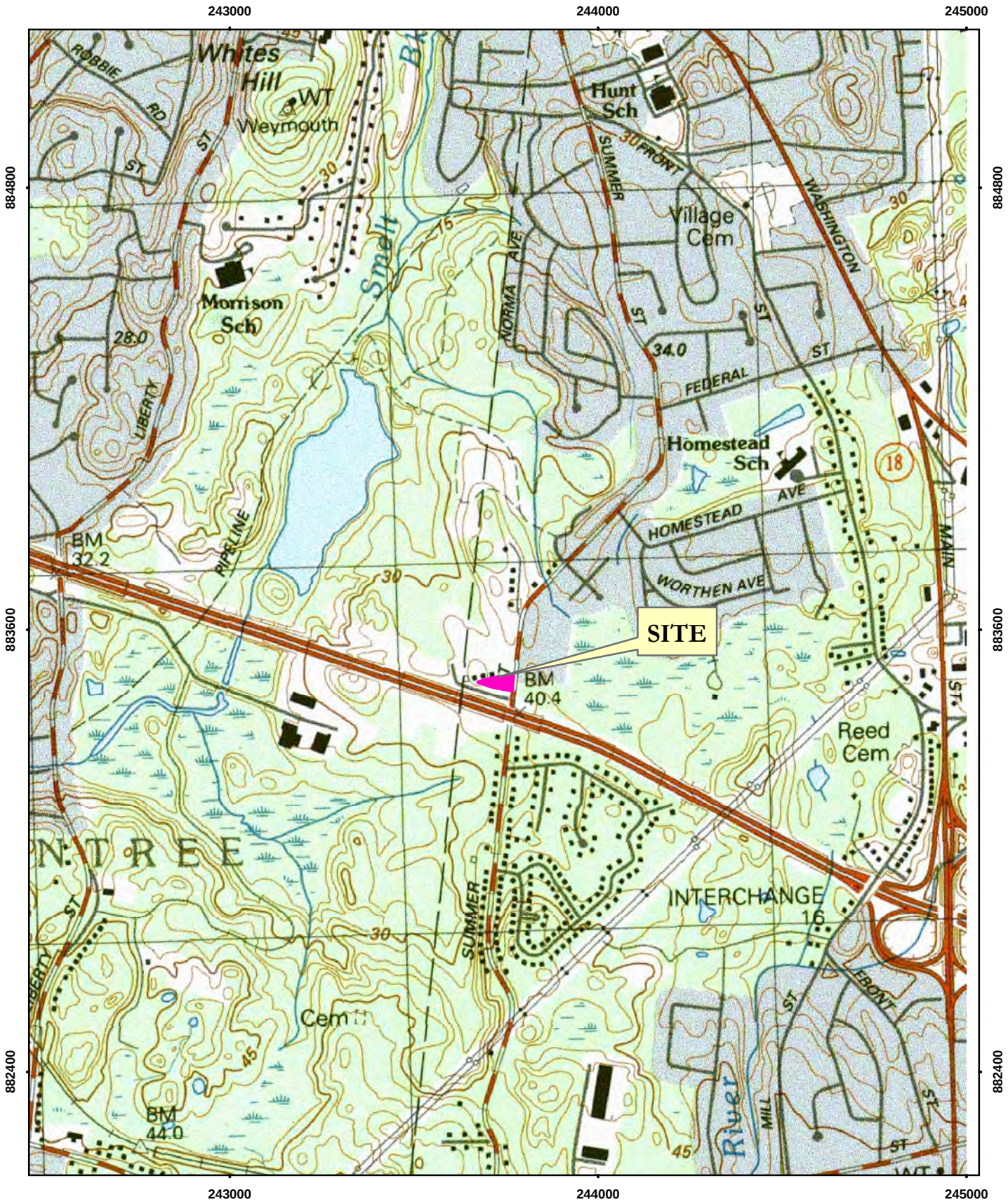
14. Have you filed the Abutters' Notification and Affidavit of Service? YES X NO_____

I, THE UNDERSIGNED, HEREBY APPLY FOR A PERMIT PURSUANT TO THE CODE OF ORDINANCES, TOWN OF WEYMOUTH, CHAPTER 7, SECTION 301

Signature

5. 5. 20
Date

*THE WEYMOUTH CONSERVATION OFFICE WILL SUBMIT THE NECESSARY LEGAL AD, AND THE APPLICANT WILL BE BILLED DIRECTLY BY THE PATRIOT LEDGER. FOR BILLING PURPOSES, THE PATRIOT LEDGER REQUIRES THAT THE TELEPHONE NUMBER SUBMITTED MUST BE THE DIRECT CONTACT NUMBER THAT MATCHES THE NAME AND ADDRESS OF THE APPLICANT, OTHERWISE THE LEGAL AD WILL NOT BE PUBLISHED AND THE HEARING WILL BE DELAYED.



5 Wetlands	USGS Locus Map 0 Summer Street Weymouth, MA	N W E S
	NOTES:	Feet 0 730 1,460
		Locus

Town of Weymouth

ABUTTERS LIST ORDER FORM
for CONSERVATION COMMISSION

Date: 4/10/2019

1) Subject Identification (Address and Parcel #) Summer Street See attached map

Assessors Map 32 Block 358 Lot 7

2) Type of filing (check one)

- ☒ **Conservation Commission (all filings)**
- ☐ **Planning Board - Subdivision (Definitive or Preliminary)**
- ☐ **Board of Appeals (all applications)**
- ☐ **Licensing** ☐ **Will establishment sell or serve alcohol?**
- ☐ **Town Council**

3) Contact Person Ken Thomson

4) Telephone Number 781 929 1203 5wetlands@gmail.com

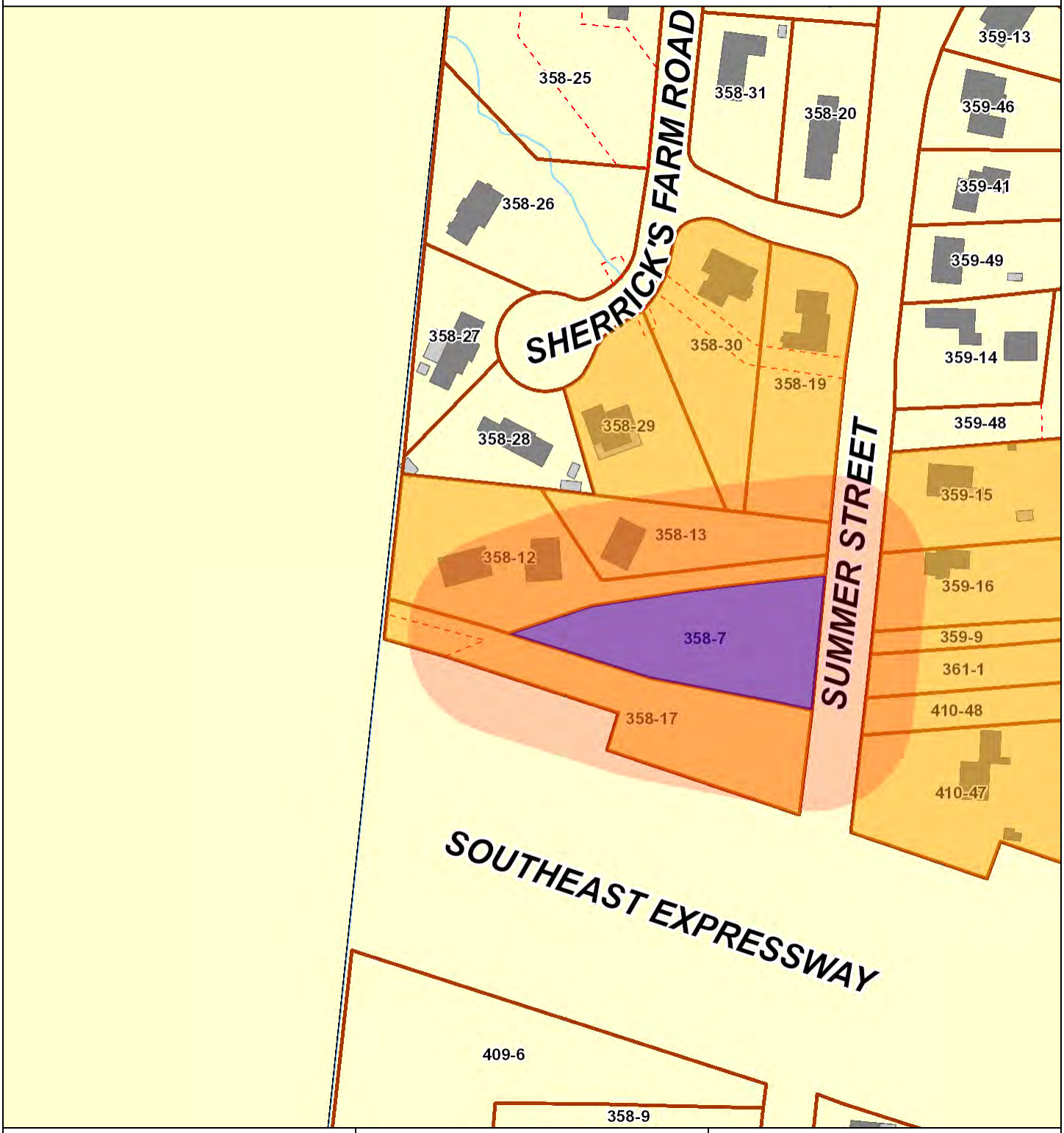
NOTE:

- **Abutters List fee is $15.00; checks are payable to *Town of Weymouth* . Lists are requested in the Collector's Office , 1st Floor***
- **You will be notified when list is ready (usually within a week)**
- **Completed requests must be picked up in the Conservation Office, 3rd Floor***

***75 Middle Street (Mon-Fri 8:30-4:30)**

REV. 01/2018

Weymouth Printable Map April 16, 2020



Easements

Assessors Parcels

Buildings

BUILDING

DECK

OTHER

SHED

1" = 139 ft

N

WESSAGUSSET - 1622 LABORARE EST VINCERE MASSACHUSETTS WEYMOUTH-1635

4/16/2020

PARCEL #	LOCATION	OWNER NAME/ADDRESS	CERTIFIED YES	CERTIFIED NO
MAP: 28 **BLOCK:** 361 **LOT:** 1 **EXT:** 0	0 ASTER CIR	TOWN OF WEYMOUTH CONSERVATION 75 MIDDLE ST WEYMOUTH, MA, 02189	X	
MAP: 28 **BLOCK:** 358 **LOT:** 30 **EXT:** 0	42 SHERRICK'S FARM RD	PARKER JAMES W & CARLYN F TBE 42 SHERRICK'S FARM RD WEYMOUTH, MA, 02190	X	
MAP: 32 **BLOCK:** 358 **LOT:** 29 **EXT:** 0	50 SHERRICK'S FARM RD	GOODMAN BEN E & ELLEN A 50 SHERRICK'S FARM RD WEYMOUTH, MA, 02188	X	
MAP: 32 **BLOCK:** 359 **LOT:** 9 **EXT:** 0	0 SUMMER ST	DARLING JACK L & DIANE M TBE 384 SUMMER STREET REAR WEYMOUTH, MA, 02188	X	
MAP: 32 **BLOCK:** 358 **LOT:** 7 **EXT:** 0	0 SUMMER ST	LUKEMAN WILLIAM H & BENSON KATHLEEN 249 NORTH ST WEYMOUTH, MA, 02191	X	
MAP: 32 **BLOCK:** 358 **LOT:** 17 **EXT:** 0	0 SUMMER ST	WEYMOUTH-BRAINTREE REGIONAL REC CONS 75 MIDDLE ST E WEYMOUTH, MA, 02189	X	
MAP: 28 **BLOCK:** 358 **LOT:** 19 **EXT:** 0	363 SUMMER ST	VO TUONG MIN & LE LAN PHUONG TBE 363 SUMMER ST WEYMOUTH, MA, 02188	X	
MAP: 32 **BLOCK:** 359 **LOT:** 15 **EXT:** 0	372 SUMMER ST	OLIVA JO-ANN M & JOHN F II 372 SUMMER ST WEYMOUTH, MA, 02188	X	
MAP: 32 **BLOCK:** 358 **LOT:** 12 **EXT:** 0	375 SUMMER ST	CAHILL JOHN ALLAN 375 SUMMER ST WEYMOUTH, MA, 02188	X	
MAP: 32 **BLOCK:** 358 **LOT:** 13 **EXT:** 0	377 SUMMER ST	SCANNELL-MAYO MADELYN F TR THE MADELYN F SCANNELL-MAYO TR 377 SUMMER ST WEYMOUTH, MA, 02188	X	

4/16/2020

PARCEL #	*LOCATION*	*OWNER NAME/ADDRESS*	*CERTIFIED*	
			YES	*NO*
MAP: 32 **BLOCK:** 359 **LOT:** 16 **EXT:** 0	378 SUMMER ST	BARNES ROBERT I & CHERYL A TRS BARNES 378 NOMINEE RLTY TR 392 SUMMER ST WEYMOUTH, MA, 02188	X	
MAP: 32 **BLOCK:** 410 **LOT:** 48 **EXT:** 0	386 SUMMER ST	BARNES JON A & JULIE TBE 386 SUMMER ST WEYMOUTH, MA, 02188	X	
MAP: 32 **BLOCK:** 410 **LOT:** 47 **EXT:** 0	392 SUMMER ST	BARNES ROBERT I & CHERYL A TR BARNES NOMINEE REALTY TRUST 392 SUMMER ST WEYMOUTH, MA, 02188	X	

This list of abutters is a certified copy of the Town of Weymouth's tax records for fiscal year 2019.
The record of ownership is accurate through November 2019.

Prepared by:

Reviewed by:

TOWN OF WEYMOUTH

NOTIFICATION TO ABUTTERS UNDER THE MASSACHUSETTS WETLANDS PROTECTION ACT AND LOCAL WETLANDS PROTECTION ORDINANCE, CHAPTER 7, SECTION 301

Revision for Remote Meetings during COVID-19 State of Emergency

In accordance with the second paragraph of Massachusetts General Laws Chapter 131, Section 40, you are hereby notified of the following:

A. The name of the applicant is Mento Corp

B. The applicant has filed: **X** Notice of Intent, *or* ☐ OOC Amendment Request, *or* ☐ Request for Determination with the Conservation Commission for the municipality of Weymouth seeking permission to remove, fill, dredge or alter an Area Subject to Protection under the Wetlands Protection Act (General Laws Chapter 131, Section 40).

C. The address of the lot where the activity is proposed and a brief description including square footage and/or dimensions of proposed project:

O Summer Street - Construction of a Single Family House, Driveway & Utilities

D. During the office closure for COVID-19, copies of the Notice of Intent or OOC Amendment Request or Request for Determination may be examined on the Town of Weymouth website, on the Conservation Commission webpage, in the Current and Past Cases tab at:
https://www.weymouth.ma.us/conservation-commission/pages/project-documents

E. Copies of the Notice of Intent or OOC Amendment Request or Request for Determination may be obtained from (check one):

☐the Applicant **or** **X**the Applicant's Representative

by calling this telephone number 781 929 1203 contact person Kenneth Thomson
email – 5wetlands@gmail.com

between the hours of: 8am- 6pm on the following days of the week: M-F

F. Information regarding the date, time, and instructions for joining the REMOTE public hearing, to be held via the WebEx platform, may be obtained from:

Weymouth Conservation Commission

By calling this telephone number: **781-340-5007**
Between the hours of: **8:30 – 4:30 Mon. though Friday**

Instructions for joining the remote public hearing, via the WebEx website or via telephone, will be included on the meeting agenda, which will be posted on the Conservation Commission webpage at least 48 hours prior to the meeting, at:
https://www.weymouth.ma.us/conservation-commission

NOTE: Notice of the public hearing/meeting, including its date, time and remote venue, will be published at least five days in advance in the Patriot Ledger, and will also be posted on the Town website at www.weymouth.ma.us not less than forty-eight hours in advance. You may also contact the Weymouth Conservation Commission or the Department of Environment Protection Regional office for more information about this application or the Wetland Protection Act. To contact DEP, call 508-946-2700.

SITE ACCESS AUTHORIZATION

DATE: 4/30/2020

PROJECT: 0 Summer Street

TO: **Weymouth Conservation Commission and Conservation Administrator**

FROM: Kathy Benson

LOCATION: 0 Summer Street

(Hereafter referred to as the property)

I (We) hereby authorize the individual members of the Conservation Commission and its agents to enter upon the property for the purpose of gathering information prior to issuing a Determination of Applicability or an Order of Conditions and for the purpose of enforcing the Order of Conditions prior to the issuance of a Certificate of Compliance.

TIME: FROM THE PRESENT TO DATE OF ISSUANCE OF CERTIFICATE OF COMPLIANCE

PROPERTY OWNER: Kathleen Benson **DATE:** 4-30-20

O Summer Street, Weymouth, Massachusetts

Introduction

The project proposes to construct a single-family home, driveway and utilities on 0.55 acre lot that fronts on the Summer Street, Weymouth. This lot is located directly north of the entrance to Pond Meadow Brook Park.

The property is undeveloped and forested with a mix of oaks and maples. Two small pocket wetlands one 104 square feet and the second is 4,101 Square feet. Both are located along Summer Street. The larger of the two wetlands was cut off from a larger red maple swamp located to the north by the construction of an elevated driveway that provides access to 375 Summer Street. No connecting culvert was found during the delineation.

The wetlands are characterized as red maple swamp. Red maple (*Acer rubrum*), glossy false buckthorn (*Frangula alnus*), comprise the majority of the trees and shrubs. Poison ivy (*Toxicodendron radicans*) and cinnamon fern (*Osmundastrum cinnamomeum*) make up the herbaceous layer. National Resource Conservation Service (NRCS) has mapped the wetlands as Udorthents-loamy which consists of nearly level and gently sloping areas where the original soils have been cut away or covered with a loamy fill material.

Although the wetlands are small, their organic layer provides pollution prevention by absorbing nutrients and thus protects water supplies and groundwater. They function to control storm water and flooding while providing for habitat for wildlife.

The Weymouth wetland ordinance regulates these wetlands as *Vegetated Wetlands*. Due to the location of the wetlands along Summer Street, the Weymouth ordinance *25 foot no disturb buffer* extends across the entire frontage of the property. Also limiting access are 2 fire hydrants and a storm drain along Summer Street.

The project proposes to access the property by constructing the driveway between the two depressions within the *25 foot no disturb buffer*. Because ledge is located within the driveway, the project proposes to temporarily impact the small area of wetlands located in the southern portion of the property to allow the placement of the sewer and water utilities. To mitigate for the impact and as required by the ordinance, the project will mitigate impacts at a minimum 2:1 ratio in the same location. The wetland soils will be removed and stocked piped on site during the utility installation. After the installation is complete the area will be regarded and the original wetland soil will be graded to the same elevation of the original wetland. The mitigation area will then be planted with a

combination of native trees and shrubs and stabilized with a wetland seed mix, see attached mitigation plan.

Due to the requirement to impact wetlands and the *25 foot no disturb buffer* the project request a *waiver* for the ordnance. Due to the location of the wetlands and the street infrastructure access to the property is limited. The project will work with commission to overcome the access impacts and potential mitigation.

Weymouth Vegetated Wetlands General Performance Standards states:

{b) Notwithstanding the provisions of the Bylaw, the Conservation Commission may issue an Order of Conditions permitting work which results in the loss of up to 5,000 square feet of bordering vegetated wetland when said area is replaced in accordance with the following general conditions and any additional, specific conditions the Conservation Commission deems necessary to ensure that the replacement area will function in a manner similar to the area that will be lost:

1) *the surface of the replacement area to be created ("the replacement area") shall be 2 to 1 that of the area lost {"the lost area");*

The project will impact 104 square feet of vegetated wetland to mitigate the project will construct 260 square feet vegetated wetlands.

2. the ground water and surface elevation of the replacement area shall be approximately equal to that of the lost area;

The mitigation area will be constructed at the same location as the impacted area and will be graded to match existing wetland elevation of 117.9 feet.

3. the overall horizontal configuration and location of the replacement area with respect to the bank shall be similar to that of the lost area;

The mitigation area will be constructed in the same location as the impacted area.

4. the replacement area shall have an unrestricted hydraulic connection to the same water body or waterway associated with the lost area;

The impact area is an isolated vegetated wetland and will be mitigated in the same location.

5. the replacement area shall be located within the same general area of the water body or reach of the waterway as the lost area;

The impact area will be mitigated in the same location.

6. at least 75 percent of the surface of the replacement area shall be reestablished with indigenous wetland plant species within two growing seasons, and prior to said vegetative reestablishment any exposed soil in the replacement area shall be temporarily stabilized to prevent erosion in accordance with standard U.S. Soil Conservation Service methods; and

The mitigation area will be planted with native trees and shrubs then stabilized with a wetland seed mix. The project will monitor the mitigation site for 2 years to ensure that 75 percent of the surface of the replacement area shall be reestablished with indigenous wetland plant species. See attached mitigation Plan.

7. the replacement area shall be provided in a manner which is consistent with all other general performance standards for each resource area in Part III of the Bylaw regulations.

The mitigation design is consistent with all other general performance standards.

8. a performance bond will be provided by the applicant, the amount to be determined by the Conservation Commission and/or administrator, and will be held for a period of three years to insure compliance with these regulations.

Will be provide if the commission requires.

2 Year Monitoring Program

A qualified wetland scientist will inspect the mitigation site at the end of each growing season for two successive growing seasons following completion of the mitigation planting. Within 90 days of each inspection, a report will be submitted to the Weymouth Conservation Commission and Massachusetts DEP Wetlands.

Methods

Soils & Hydrology

Soil cores will be taken to describe, per the guidance manuals, existing conditions, groundwater levels, soil saturation and the development of redoximorphic features. The measurement of hydrologic conditions on the restored, enhanced and created wetland will allow for the correlation of hydrologic change with changes in performance or composition of the vegetative communities.

During the fall vegetation survey water levels (surface water depth and the depth to shallow groundwater in auger holes) will be recorded within the 5 foot radius of the herbaceous survey plots. These water level measurements will help describe seasonal as well as yearly patterns of ground and surface water fluctuation.

Vegetation

Monitoring changes in site vegetation is essential to understanding changes in other components of a wetland ecosystem.

Plots

Permanent vegetation plots will be established in the first season following wetland creation efforts. These plots will be located randomly and comply with Massachusetts Wetland Delineation Manual Guidance and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Northcentral and Northeast Region Version2.

Data collected in this task will be used to describe plant communities and to quantify the relative dominance of individual plant species in a wetland. The sampling procedures are designed to collect data rapidly and consistently, so the data can be compared among years to infer change through time. Vegetation measurements will be conducted in late summer/early fall when most species are at their maximum growth and can be readily identified.

Trees & Shrubs

To monitor the growth of the trees and shrubs, each individual will be counted, species noted, and condition recorded (i.e. those with at least 75% of the branches alive, whether it is stump sprouting, etc.). This data will be used to calculate survivorship for planted specimens.

Additionally the project will measure the crown cover of shrubs, and canopy height using a graduated telescoping rod and diameter tape to record average canopy height for each species.

Along with analytical data, the following measurements will be made and recorded on the Data Sheet while standing at each plot:

Observer – person conducting the vegetation survey
Date – survey date
Site – where the survey was conducted (e.g., Wetland Creation Area, and the plot number(s)

Photographic Record

Photographs from set positions will be used to qualitatively assess plant community development (e.g., cover and height). Photographs should be taken in late summer/early fall on approximately the same dates each year. Permanent photographic stations will be established that provide good vistas of the entire area. One photograph will be taken facing north and the graduated pole will be held center of the plot. Date, frame number and plot number will be recorded for each photo.

Wildlife Monitoring

General observations will be taken while conducting the vegetation surveys including noting signs of herbivory on vegetation and a list generated. A list of amphibians and reptiles, birds and mammals noted at the site will be maintained.

Responsibilities/ Reporting

The wetland scientist is responsible for monitoring and reporting efforts during the establishment period. Responsibilities include quantitive vegetative sampling survey, oversight of herbicide application for invasive species, and other site remedial activities within the restored wetlands. A report will be provided to the Weymouth Conservation Commission and MADEP Wetlands following each growing season. The report will include information on:

- Vegetation list including identification of volunteer species and those which are considered invasive
- Estimated coverage excluding open water area by noninvasive hydrophytes
- Estimated percent coverage by species
- Calculation of plant community metrics including the identification of dominant species within strata and species richness
- Estimated planted shrub and tree survivorship and notes on health & vigor by species
- Canopy height for emergent herbs, shrubs and trees
- Representative photographs from permanent plot locations
- General observations of wildlife and fish using the site or their signs and what they use it for
- Remedial action measures taken during the initial plant establishment period including methods to control herbivores and invasive, man-induced hydrologic changes, etc.
- Comparison of data to the performance standards and recommendations if they are not met

Schedule

Vegetation survey work should normally be conducted no later than September 30th. Data analysis and reporting will be completed 3 months after monitoring.

Construction Stage Mitigation Measures

Prior to commencement of construction activities, a construction stage erosion control program will be coordinated with the Weymouth Conservation Commission. Subject to the issuance of all applicable local and state permits, the erosion control program will likely include the following measures:

- Stake the limits of work and install the erosion control and sedimentation barrier along same;

- Hold a pre-construction conference with applicable parties and agencies;

- Clearly identify trees and existing vegetation to remain and protect same with temporary orange construction fencing or other means;

- Keep disturbed area as small as practicable while carrying out the work in an efficient and timely manner;

- Inspect the erosion control and sedimentation barrier weekly, repair as necessary, and remove any accumulated sediment. All erosion control inspection and repairs will be documented and these records will be kept on site.

- Stabilize all disturbed embankments as soon as practicable in accordance with the landscape plans;

- Remove the erosion control and sedimentation barrier only after the site has been stabilized and receive clearance from the Weymouth Conservation Commission.

Wetland Delineation

On April 20th, 2020, Kenneth Thomson (Botanist, Wetland Scientist) delineated wetland resources associated 0 Summer Street, Weymouth. The wetlands were delineated in accordance with the criteria set by the Massachusetts Wetlands Protection Act M.G.L., (WPA) (Chapter 131, Section 40), and the United States Army Corps of Engineers (Section 404 of the Clean Water Act). The predominance of wetland vegetation, evidence of saturated or inundated soils, and surface hydrology were used to define the boundary of Bordering Vegetated Wetlands following MA DEP Delineation Manual Guidelines. The predominance of wetland plant species was determined visually by using the U.S. Fish and Wildlife wetland indicator status categories, and species typical of bogs, marshes and swamps listed in the Massachusetts Wetlands Protection Act. DEP Bordering Vegetated Wetland Delineation Field Data Forms were developed up and down gradient of wetland flag #6; these forms are attached (see Appendix #). Pink flagging # 1 to 8 and 10 to 12 and 20 to 28 (off property to north) were hung to delineate the wetland boundary.

The following data layers are associated with the site under review.

Present	Absent	**Natural Heritage (Within 500 Feet, ACOE)**
☐	☒	Certified Vernal Pools
☐	☒	Potential Vernal Pools
☐	☒	Estimated Habitat

Present	Absent	
☐	☒	Priority Habitat
		Ground Water Protection
☐	☒	Interim Well Head Protection
☐	☒	Zone 2
		Surface Water Protection
☐	☒	Zone A
☐	☒	Zone B
☐	☒	Zone C
		Wetlands
☒	☐	DEP Wetland Layer
☐	☒	2005 Human Alter Layer/Wetland Change Layer
☐	☒	Perennial Stream
		Floodplain
☐	☒	FEMA Flood Hazard Data
		Out Standing Resource Waters (ORW)
☐	☒	ORW
		Area of Environmental Concern (ACEC)
☐	☒	ACEC

MassDEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

Applicant: **Mento Construction** Prepared by: **Ken Thomson / Botanist** Project location: **0 Summer Street, Weymouth** DEP File #:

Check all that apply:

- ☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only
- ☒ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II
- ☐ Method other than dominance test used (attach additional information)

Section I.

Vegetation	Observation Plot Number: **Wetland**		Transect Number: **WF# 6**	Date of Delineation: **4/6/2020**
A. Sample Layer & Plant Species (by common/scientific name)	B. Percent Cover (or basal Area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
TREES TOTAL = 45%				
Red Maple, *Acer rubrum*	45	45/45*100=100%	Yes	FAC*
SAPLING TOTAL = 5%				
Red Maple, *Acer rubrum*	5	5/5*100=100%	Yes	FAC*
SHRUB TOTAL = 70%				
Glossy False Buckthorn, *Frangula alnus*	55	55/70*100=79%	Yes	FAC*
European Buckthorn, *Rhamnus cathartica*	10	10/70*100=14%	No	
Rambler Rose, *Rosa multiflora*	5	5/70*100=7%	No	
GROUND COVER TOTAL = 5%				
Glossy False Buckthorn, *Frangula alnus*	5	5/5*100=100%	Yes	FAC*
VINE TOTAL = 15%				
Summer Grape, *Vitis aestivalis*	10	10/15*100=67%	Yes	FACU
Poison Ivy, *Toxicodendron radicans*	5	5/15*100=33%	Yes	FAC*

* *Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.*

Vegetation conclusion:

Number of dominant wetland indicator plants: **5** Number of dominant non-wetland indicator plants: **1**

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? YES ☒ NO ☐

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? YES ☒ NO ☐
title/date: MassGIS Norfolk County
map number:
soil type mapped: Udorthents-Loamy
hydric soil inclusions:

Are field observations consistent with soil survey? YES ☐ NO ☒
Remarks:

2. Soil Description

Horizon	Depth (In)	Matrix Color	Mottles Color
A	0-5	10YR2/2 FSL	
A2	5-16	10YR3/3 FSL	
Bw1	16+	2.5Y2.5/1 Gravelly FSL	

Remarks:
Fine Sandy Loam=FSL
Silt Loam = SiL

3. Other:

Conclusion: Is soil hydric? YES ☒ NO ☐

Other Indicators of Hydrology: (check all that apply & describe)

- ☒ Site Inundated:
- ☒ Depth to free water in observation hole: ***2 Inches***
- ☒ Depth to soil saturation in observation hole: ***Surface***
- ☒ Water marks:
- ☐ Drift lines:
- ☐ Sediment Deposits:
- ☒ Drainage patterns in BVW:
- ☐ Oxidized rhizospheres:
- ☒ Water-stained leaves:
- ☐ Recorded Data (streams, lake, or tidal gauge; aerial photo; other):
  _____
  _____
  _____
- ☐ Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ # of non-wetland indicator plants	_X___	____
Wetland hydrology present:		
Hydric soil present	_X___	_____
Other indicators of hydrology present	_X___	_____
Sample location is in a BVW	_X___	_____

Submit this form with the Request for Determination of Applicability or Notice of Intent.

MassDEP Bordering Vegetated Wetland (310 CMR 10.55) Delineation Field Data Form

Applicant: **Mento Construction** Prepared by: **Ken Thomson / Botanist** Project location: **0 Summer Street, Weymouth** DEP File #:

Check all that apply:

- ☐ Vegetation alone presumed adequate to delineate BVW boundary: fill out Section I only
- ☒ Vegetation and other indicators of hydrology used to delineate BVW boundary: fill out Sections I and II
- ☐ Method other than dominance test used (attach additional information)

Section I.

Vegetation	Observation Plot Number: **Upland**		Transect Number: **WF# 6**	Date of Delineation: **4/6/2020**
A. Sample Layer & Plant Species (by common/scientific name)	B. Percent Cover (or basal Area)	C. Percent Dominance	D. Dominant Plant (yes or no)	E. Wetland Indicator Category*
TREES TOTAL = 35%				
Norway Maple, *Acer platanoides*	25	25/35*100=71%	Yes	FACU
Red Maple, *Acer rubrum*	10	10/35*100=29%	Yes	FAC*
SAPLING TOTAL = 10%				
American Elm, *Ulmus americana*	5	5/10*100=50%	Yes	FACW*
Norway Maple, *Acer platanoides*	5	5/10*100=50%	Yes	FACU
SHRUB TOTAL = 35%				
European Buckthorn, *Rhamnus cathartica*	15	15/35*100=43%	Yes	FAC*
Swamp Dogwood, *Cornus amomum*	10	10/35*100=29%	Yes	FACW*
Glossy False Buckthorn, *Frangula alnus*	5	5/35*100=14%	No	
Rambler Rose, *Rosa multiflora*	5	5/35*100=14%	No	
GROUND COVER TOTAL = 22%				
Glossy False Buckthorn, *Frangula alnus*	5	5/22*100=23%	Yes	FAC*
Swamp Dogwood, *Cornus amomum*	5	5/22*100=23%	Yes	FACW*
Poison Ivy, *Toxicodendron radicans*	5	5/22*100=23%	Yes	FAC*
Garlic Mustard, *Alliaria petiolata*	5	5/22*100=23%	Yes	FACU
Japanese Knotweed, *Reynoutria japonica*	2	2/22*100=9%	No	

* *Use an asterisk to mark wetland indicator plants: plant species listed in the Wetlands Protection Act (MGL c.131, s.40); plants in the genus Sphagnum; plants listed as FAC, FAC+, FACW-, FACW, FACW+, or OBL; or plants with physiological or morphological adaptations. If any plants are identified as wetland indicator plants due to physiological or morphological adaptations, describe the adaptation next to the asterisk.*

Vegetation conclusion:

Number of dominant wetland indicator plants: **7** Number of dominant non-wetland indicator plants: **3**

Is the number of dominant wetland plants equal to or greater than the number of dominant non-wetland plants? YES ☒ NO ☐

If vegetation alone is presumed adequate to delineate the BVW boundary, submit this form with the Request for Determination of Applicability or Notice of Intent

Section II. Indicators of Hydrology

Hydric Soil Interpretation

1. Soil Survey

Is there a published soil survey for this site? YES ☒ NO ☐
title/date: MassGIS Norfolk County
map number:
soil type mapped: Udorthents-Loamy
hydric soil inclusions:

Are field observations consistent with soil survey? YES ☐ NO ☒
Remarks:

2. Soil Description

Horizon	Depth (In)	Matrix Color	Mottles Color
Ap	0-10	10YR3/3 FSL	
Bw1	10-20	10YR4/6 FSL	

Remarks:
Fine Sandy Loam=FSL
Silt Loam = SiL

3. Other:

Conclusion: Is soil hydric? YES ☐ NO ☒

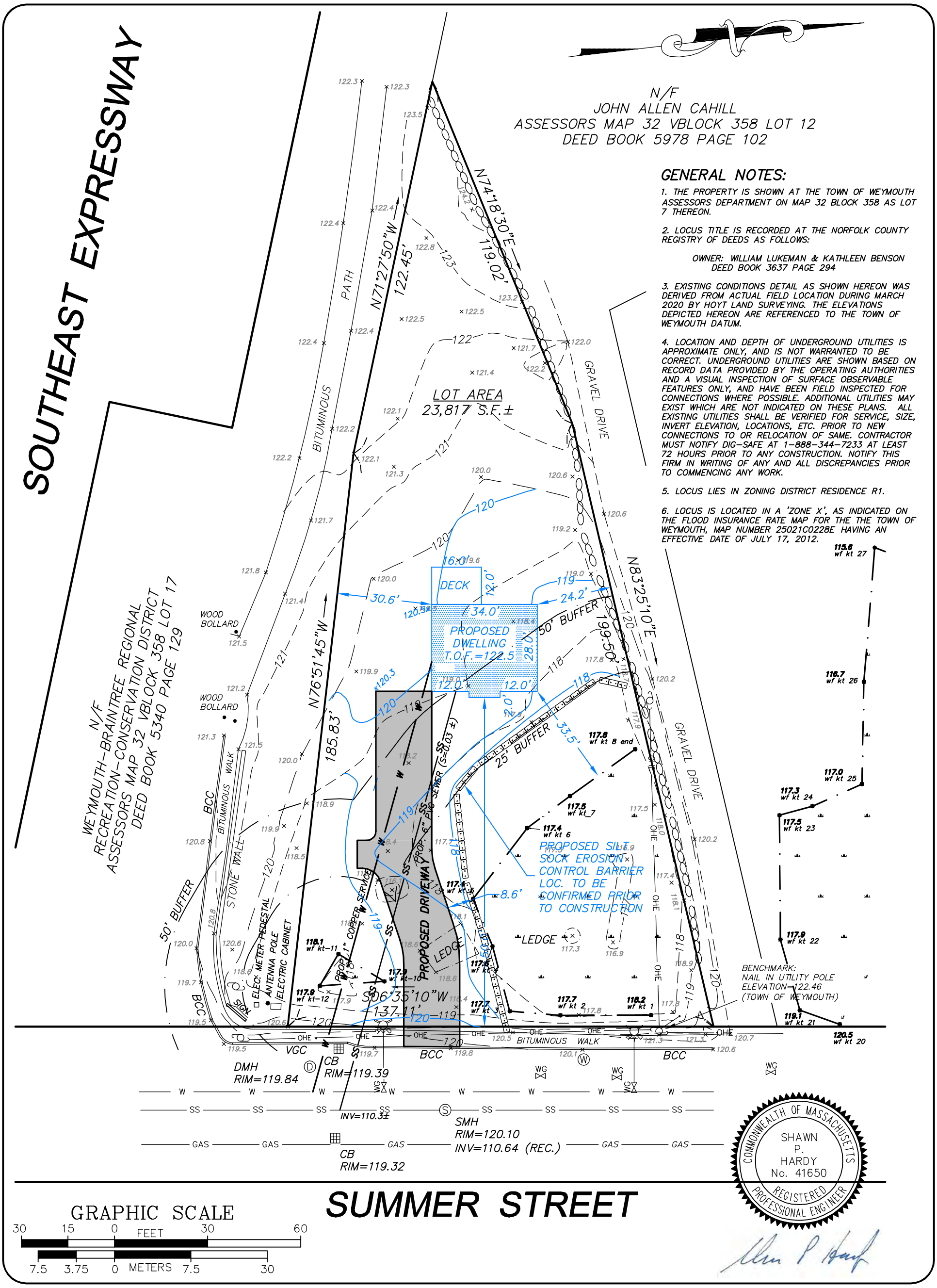
Other Indicators of Hydrology: (check all that apply & describe)

- ☐ Site Inundated:
- ☐ Depth to free water in observation hole:
- ☐ Depth to soil saturation in observation hole:
- ☐ Water marks:
- ☐ Drift lines:
- ☐ Sediment Deposits:
- ☐ Drainage patterns in BVW:
- ☐ Oxidized rhizospheres:
- ☐ Water-stained leaves:
- ☐ Recorded Data (streams, lake, or tidal gauge; aerial photo; other):
  _____
  _____
  _____
- ☐ Other: _____

Vegetation and Hydrology Conclusion

	Yes	No
Number of wetland indicator plants ≥ # of non-wetland indicator plants	_X___	____
Wetland hydrology present:		
Hydric soil present	____	_X____
Other indicators of hydrology present	____	_X____
Sample location is in a BVW	____	_X____

Submit this form with the Request for Determination of Applicability or Notice of Intent.



GENERAL NOTES:

1. THE PROPERTY IS SHOWN AT THE TOWN OF WEYMOUTH ASSESSORS DEPARTMENT ON MAP 32 BLOCK 358 AS LOT 7 THEREON.

2. LOCUS TITLE IS RECORDED AT THE NORFOLK COUNTY REGISTRY OF DEEDS AS FOLLOWS:

   OWNER: WILLIAM LUKEMAN & KATHLEEN BENSON
   DEED BOOK 3637 PAGE 294

3. EXISTING CONDITIONS DETAIL AS SHOWN HEREON WAS DERIVED FROM ACTUAL FIELD LOCATION DURING MARCH 2020 BY HOYT LAND SURVEYING. THE ELEVATIONS DEPICTED HEREON ARE REFERENCED TO THE TOWN OF WEYMOUTH DATUM.

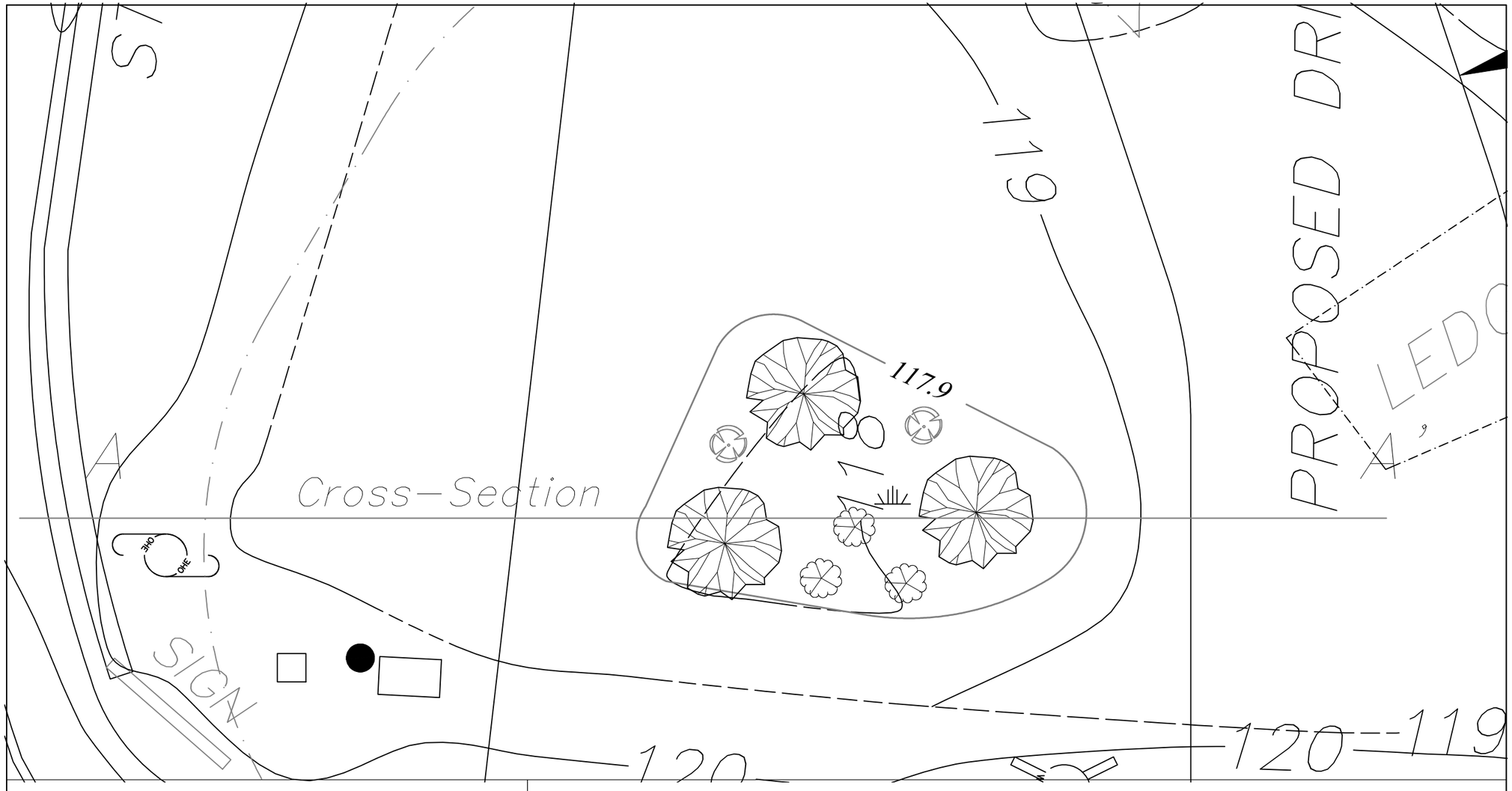
4. LOCATION AND DEPTH OF UNDERGROUND UTILITIES IS APPROXIMATE ONLY, AND IS NOT WARRANTED TO BE CORRECT. UNDERGROUND UTILITIES ARE SHOWN BASED ON RECORD DATA PROVIDED BY THE OPERATING AUTHORITIES AND A VISUAL INSPECTION OF SURFACE OBSERVABLE FEATURES ONLY, AND HAVE BEEN FIELD INSPECTED FOR CONNECTIONS WHERE POSSIBLE. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT INDICATED ON THESE PLANS. ALL EXISTING UTILITIES SHALL BE VERIFIED FOR SERVICE, SIZE, INVERT ELEVATION, LOCATIONS, ETC. PRIOR TO NEW CONNECTIONS TO OR RELOCATION OF SAME. CONTRACTOR MUST NOTIFY DIG-SAFE AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO ANY CONSTRUCTION. NOTIFY THIS FIRM IN WRITING OF ANY AND ALL DISCREPANCIES PRIOR TO COMMENCING ANY WORK.

5. LOCUS LIES IN ZONING DISTRICT RESIDENCE R1.

6. LOCUS IS LOCATED IN A 'ZONE X', AS INDICATED ON THE FLOOD INSURANCE RATE MAP FOR THE THE TOWN OF WEYMOUTH, MAP NUMBER 25021C0228E HAVING AN EFFECTIVE DATE OF JULY 17, 2012.

COMMONWEALTH OF MASSACHUSETTS
SHAWN P. HARDY
No. 41650
REGISTERED PROFESSIONAL ENGINEER

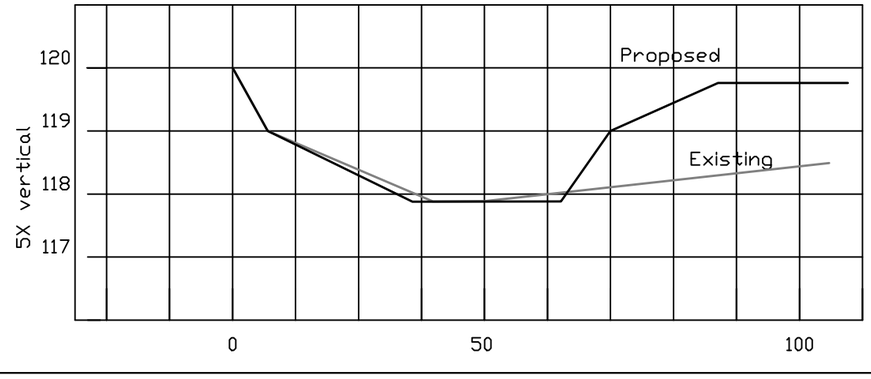
Sheet Title: SITE PLAN OF LAND	Project Name: 0 SUMMER STREET, WEYMOUTH, MASSACHUSETTS, NORFOLK COUNTY	Prepared for: MENTO HOMES
HARDY + MAN DESIGN GROUP, PC, CIVIL ENGINEERING & LAND DEVELOPMENT CONSULTING, 1285 WASHINGTON STREET, WEYMOUTH, MA 02189, TEL: 781-335-1464	Scale: 1"=30'	Date: MAY 5, 2020
	File No.	Fig. No.: 1



Plant Schedule

Symbol	Common Name	Latin Name	Size	Quantity
	Red Maple	Acer Rubrum	4-6 Ft.	3
	Silky Dogwood	Cornus amomum	18-24 In	3
	Speckled Alder	Alnus incana	18-24 In	2

Seed with New England Wet Mix at 1 lb./2500 sq. ft (1/2 lb)



5 Wetlands

Mitigation Area
0 Summer Street, Weymouth, MA

5.5.2020 Rev 1

Design by:
Ken Thomson Botanist
5wetlands@gmail.com
781 929 1203

Mitigation