

### 260 Cranberry Highway Orleans, MA 02653

508.255.6511 P 508.255.6700 F

Orleans | Sandwich | Nantucket coastalengineeringcompany.com

# **TRANSMITTAL**

<b>To:</b> Town of Weymouth Conservation			n <b>Date</b> : 4/12/19 <b>Project No.</b> C18729.00			
	Commission		Via: ☐1st Class Mail ☐Pick up ☐Delivery ☐Email			
	Attn: Mary Ellen					
	75 Middle Street		Phone:			
	Town, MA Zip C	ode	Fax:			
Subject	Proposed Rock Walkway Town of Weyn	sett Road & 20 I A	Pedestrian			
We are	sending the followi	ng items:				
Copie	5 Date	No.	Description			
1	Revised		WPA Form 3			
1	Revised		Addendum to Notice of Intent			
1	Rev. 4/16/19	DRAFT	Coastal Engineering Co., Inc., Plan Set (9 pages), Proposed Site Development Plan North Weymouth Beach Connection Project			
These	are transmitted as c	hecked below:				
for a	approval Sfor	your use	as requested for review & comment			
Remar	<b>ks:</b> Enclosed pl	ease find copies	of the revised narrative, Form 3 & draft plans for the referenced project.			
	If you have	any questions, p	please contact our office.			
	Town of Weymouth Rebecca Haney, by Roger P. Michniewid	email	<b>By</b> : Sarah Cole ager			

D:\DOC\C18700\C18729\Permitting\NOI\Revised Form 3 & Narrative 4.12.19\Transmittal Template.doc



# 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** 

Weymouth City/Town

c. City/Town Fee Paid

### Important:

When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.





Note: Before completing this form consult your local Conservation Commission regarding any municipal bylaw or ordinance.

### Α

a. Total Fee Paid

Α.	General Inforn	nation					
1.	Project Location (Not	e: electronic filers will cl	ick on button to locate project	site):			
	278 Wessagussett Ro a. Street Address	oad & 20 River Street	Weymouth b. City/Town	c. Zip Code			
	Latitude and Longitud	le:	042 14' 59.6610 " N d. Latitude	070 56' 19.6647" W e. Longitude			
	4-21-3 & 2-12-10 f. Assessors Map/Plat Num	nber	g. Parcel /Lot Number	•			
2.	Applicant:						
	<ul><li>a. First Name</li><li>Town of Weymouth</li><li>c. Organization</li><li>75 Middle Street</li><li>d. Street Address</li></ul>		b. Last Name				
	Weymouth e. City/Town		MA f. State	<b>02189</b> g. Zip Code			
	h. Phone Number	i. Fax Number	j. Email Address				
3.	Property owner (required if different from applicant):						
	a. First Name		b. Last Name				
	c. Organization						
	d. Street Address						
	e. City/Town		f. State	g. Zip Code			
	h. Phone Number	i. Fax Number	j. Email address				
4.	Representative (if any	<b>/</b> ):					
	Roger P. a. First Name Coastal Engineering (c. Company 260 Cranberry Highw d. Street Address		Michniewicz b. Last Name				
	Orleans		MA	02653			
	e. City/Town 508-255-6511 h. Phone Number	508-255-6700 i. Fax Number	<ul><li>f. State</li><li>rogerm@coastalengineeri</li><li>j. Email address</li></ul>	g. Zip Code ngcompany.com			
5.	Total WPA Fee Paid	from NOI Wetland Fee	Transmittal Form):				
	EXEMPT						

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b. State Fee Paid



# WPA Form 3 – Notice of Intent

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

Provided by MassDEP:

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### A. General Information (continued)

6.	General Project Description:			
	Proposed rock revetment & pedestrain walkway con Beach	nne	cting Wessagussett Beach & George E. Lane	
	Deach			
70	Drainat Time Chaptilists (Limited Drainat Times according	Co	A 7h	
/a.	Project Type Checklist: (Limited Project Types see	Sec	ction A. 7b.)	
	1. Single Family Home	2.	Residential Subdivision	
	3. Commercial/Industrial	4.	☐ Dock/Pier	
	5. Utilities	6.		
	7. Agriculture (e.g., cranberries, forestry)	8.	☐ Transportation	
	9. Other			
7b.	Is any portion of the proposed activity eligible to be			
	Restoration Limited Project) subject to 310 CMR 10		roject applies to this project. (See 310 CMR	
			e list and description of limited project types)	
	2. Limited Project Type			
	If the proposed activity is eligible to be treated as a			
	CMR10.24(8), 310 CMR 10.53(4)), complete and a Project Checklist and Signed Certification.	llaci	TAppendix A: Ecological Restoration Limited	
8.	Property recorded at the Registry of Deeds for:			
	Norfolk	L .	Ocalificate # (for rich and local)	
	a. County 3610 (20 River)	31	Certificate # (if registered land) 6	
	c. Book		Page Number	
В.	Buffer Zone & Resource Area Impa	act	S (temporary & permanent)	
1.	☐ Buffer Zone Only – Check if the project is locate			
2.	Vegetated Wetland, Inland Bank, or Coastal Re ☐ Inland Resource Areas (see 310 CMR 10.54-10			
	Coastal Resource Areas).	0.00	, in not applicable, go to cooken 2.0,	
	Check all that apply below. Attach narrative and an			
	project will meet all performance standards for each standards requiring consideration of alternative project.			

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For all projects affecting other Resource Areas, please attach a narrative explaining how the resource area was delineated.

# **Massachusetts Department of Environmental Protection**Bureau of Resource Protection - Wetlands

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

	Resource Area		Size of Proposed Alteration	Proposed Replacement (if any)				
	a. Bank		1. linear feet	2. linear feet				
	b	Bordering Vegetated Wetland	1. square feet	2. square feet				
	c. 🗌	Land Under Waterbodies and	1. square feet	2. square feet				
		Waterways	3. cubic yards dredged					
	Resour	ce Area	Size of Proposed Alteration	Proposed Replacement (if any)				
	d. 🗌	Bordering Land Subject to Flooding	1. square feet	2. square feet				
			3. cubic feet of flood storage lost	4. cubic feet replaced				
	e. 🗌	Isolated Land Subject to Flooding	1. square feet					
			2. cubic feet of flood storage lost	3. cubic feet replaced				
	f. 🗌	Riverfront Area	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 agricultu	ural projects only					
		200 ft All other proje	ects					
	3.	Total area of Riverfront Area	a on the site of the proposed projec	t: square feet				
	4. <b>l</b>	Proposed alteration of the R	roposed 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. <b>l</b>	Has an alternatives analysis	s been done and is it attached to thi	s NOI? Yes No				
	6. \	Was the lot where the activi	ty is proposed created prior to Augu	ust 1, 1996? Yes No				
3.	⊠ Coa	astal Resource Areas: (See	310 CMR 10.25-10.35)					

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



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### 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.

4.

5.

Resource Area		Size of Proposed Alteration Proposed Replacement				
а. 🗌	Designated Port Areas	Indicate size under Land Under the Ocean, below				
b. 🗌	Land Under the Ocean	1. square feet				
		2. cubic yards dredged				
c. 🗌	Barrier Beach	Indicate size under Coastal Beac	hes and/or Coastal Dunes below			
d. 🗌	Coastal Beaches	2,478 SF +/- (Revetment) 16,700 SF +/- (Coastal Beach)	2. cubic yards beach nourishment			
е. 🗌	Coastal Dunes	1. square feet	2. cubic yards dune nourishment			
		Size of Proposed Alteration	Proposed Replacement (if any)			
f. 🔀	Coastal Banks	1,000 +/- 1. linear feet				
g. 🗌	Rocky Intertidal Shores	1. square feet				
h. 🗌	Salt Marshes	1. square feet	2. sq ft restoration, rehab., creation			
i. 🗌	Land Under Salt Ponds	1. square feet				
		2. cubic yards dredged				
j. 🗌	Land Containing Shellfish	1. square feet				
k. Fish Runs		Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above				
I. \( \subseteq \) Land Subject to Coastal Storm Flowage \( \subseteq \) Restoration/Enhancement		cubic yards dredged     47,290 SF +/- (Permanent)     1,000 SF +/- (Temporary)  restoring or enhancing a wetland resource area in addition to the				
square	square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.					
a. square	e feet of BVW	b. square feet of Sa	alt Marsh			
☐ Pro	☐ Project Involves Stream Crossings					
a. numb	er of new stream crossings	b. number of replac	ement stream crossings			

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		City/ I own					
C.	. Other Applicable Standards and R	Requirements					
	This is a proposal for an Ecological Restoratio complete Appendix A: Ecological Restoration (310 CMR 10.11).	· · · · · · · · · · · · · · · · · · ·					
Str	reamlined Massachusetts Endangered Spec	ies Act/Wetlands Protection Act Review					
1.	Is any portion of the proposed project located in <b>Estimated Habitat of Rare Wildlife</b> 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 <i>Massachusetts Natural Heritage Atlas</i> or go to						
	http://maps.massgis.state.ma.us/PRI_EST_HAB/vi						
	a. Yes No	nailing or hand delivery of NOI to:					
	Natural Heritage and En Division of Fisheries ar 1 Rabbit Hill Road Westborough, MA 0158						
If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) re CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act revie complete Section C.1.c, and include requested materials with this Notice of Intent (NOI complete Section C.2.f, if applicable. If MESA supplemental information is not included by completing Section 1 of this form, the NHESP will require a separate MESA filing when up to 90 days to review (unless noted exceptions in Section 2 apply, see below).							
	c. Submit Supplemental Information for Endangere	ed Species Review*					
	1. Percentage/acreage of property to be a	altered:					
	(a) within wetland Resource Area	percentage/acreage					
	(b) outside Resource Area	percentage/acreage					
	2. Assessor's Map or right-of-way plan of	site					
2.	☐ Project plans for entire project site, including w wetlands jurisdiction, showing existing and propose tree/vegetation clearing line, and clearly demarcate	ed conditions, existing and proposed					
	(a) Project description (including description buffer zone)	on of impacts outside of wetland resource area &					
	(b) Photographs representative of the site						

<sup>\*</sup> Some projects **not** in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <a href="http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/">http://www.mass.gov/eea/agencies/dfg/dfw/natural-heritage/regulatory-review/</a>). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

<sup>\*\*</sup> 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.

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### Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Wetlands

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Weymouth City/Town

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

	(c) MESA filing fee (fee information available at <a href="http://www.mass.gov/dfwele/dfw/nhesp/regulatory">http://www.mass.gov/dfwele/dfw/nhesp/regulatory</a> review/mesa/mesa fee schedule.htm). Make check payable to "Commonwealth of Massachusetts - NHESP" and <i>mail to NHESP</i> at above address					
Projects altering 10 or more acres of land, also submit:						
	(d) Vegetation cover type map of site					
	(e)	Project plans showing Priority & Estima	ited Habitat boundaries			
	(f) OR Check One of the Following					
1. Project is exempt from MESA review.  Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.1 <a href="http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/mesa/mesa_exemptions.ht">http://www.mass.gov/dfwele/dfw/nhesp/regulatory_review/mesa/mesa_exemptions.ht</a> the NOI must still be sent to NHESP if the project is within estimated habitat pursuant 310 CMR 10.37 and 10.59.)						
	2. 🗌	Separate MESA review ongoing.	a. NHESP Tracking #	b. Date submitted to NHESP		
	3. 🗌	Separate MESA review completed. Include copy of NHESP "no Take" dete Permit with approved plan.	rmination or valid Conser	vation & Management		
3.	For coasta	I projects only, is any portion of the proportion fish run?	osed project located below	w the mean high water		
	a. Not a	applicable – project is in inland resource	area only b. 🛛 Yes	☐ No		
	If yes, inclu	ude proof of mailing, hand delivery, or ele	ectronic delivery of NOI to	either:		
	South Shore - Cohasset to Rhode Island border, and North Shore - Hull to New Hampshire border: the Cape & Islands:					
Division of Marine Fisheries - Southeast Marine Fisheries Station Attn: Environmental Reviewer 1213 Purchase Street – 3rd Floor New Bedford, MA 02740-6694 Email: <a href="mailto:DMF.EnvReview-South@state.ma.us">Division of Marine Fisheries - North Shore Office Attn: Environmental Reviewer 30 Emerson Avenue Gloucester, MA 01930 Email: <a href="mailto:DMF.EnvReview-North@state.ma.us">DMF.EnvReview-North@state.ma.us</a></a>						

Also if yes, the project may require a Chapter 91 license. For coastal towns in the Northeast Region, please contact MassDEP's Boston Office. For coastal towns in the Southeast Region, please contact MassDEP's Southeast Regional Office.

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

# **Massachusetts Department of Environmental Protection**Bureau of Resource Protection - Wetlands

# WPA Form 3 - Notice of Intent

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

4.	Is any	portior	of t	he pro	posed project wit	thin an Area	of Critica	al Environr	nental Co	ncern (ACE	:C)?
	а. 🗌 Ү	es [	⊠ N	10	If yes, provide na Website for ACE						
	b. ACEC										
5.					posed project wit the Massachuse						
	a. 🗌 Y	′es [	⊠ N	10							
6.					subject to a We c. 131, § 40A) or						, § 105)?
	а. 🗌 Ү	es [	⊠ N	10							
7.	Is this	oroject	t sub	ject to	provisions of the	MassDEP	Stormwa	ter Manag	ement Sta	andards?	
	a. 🛛	Yes.	Atta	ch a co	opy of the Storm	water Repo	rt as requ	ired by the	Stormwa	ter Manage	ement
	-				per 310 CMR 10.						
	1. [	_  <i>F</i>			r Low Impact Dev rater Managemer					escribed in	
	2. [	] A	A por	tion of	the site constitut	tes redevel	pment				
	3. [	F	Propr	rietary	BMPs are includ	ed in the St	ormwater	Managem	nent Syste	em.	
	b. 🗌	No. 0	Chec	k why	the project is exe	empt:					
	1. [	] 8	Single	e-fami	ly house						
	2. [	] E	mer	rgency	road repair						
	3. [ or				lential Subdivisio ınits in multi-fami						
D.	Add	itior	nal	Info	mation						
_											
		:A xib			Ecological Rest						
	Applica	ints m	ust ii	nclude	the following wit	h this Notic	e of Inten	t (NOI). Se	ee instruct	ions for det	ails.
	<b>Online Users:</b> Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.							any of			
	1. 🗌	suffic	cient	inform	map of the area ( ation for the Con at may omit this ite	servation C					
	2.	a Bo	rderi	ng Ve	g the location of p getated Wetland	[BVW] repli	cation are				

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			,		
D.	Add	itional Information (cont'd)			
	3.		ource area boundary delineations (MassDEP BVW cability, Order of Resource Area Delineation, etc.), dology.		
	4. 🛛	List the titles and dates for all plans and oth	er materials submitted with this NOI.		
		n Set (9 pgs), Proposed Site Development F	Plan- Wessagussett Walk		
	Coa	rlan Title astal Engineering Co, Inc. repared By	Roger P. Michniewicz, P.E. c. Signed and Stamped by		
		2/18 (original), 4/16/19 (revised) inal Revision Date	e. Scale		
	f. Ad	dditional Plan or Document Title	g. Date		
	5.	If there is more than one property owner, pl listed on this form.	ease attach a list of these property owners not		
	6. 🗌	Attach proof of mailing for Natural Heritage	and Endangered Species Program, if needed.		
	7. 🛛	Attach proof of mailing for Massachusetts D	Division of Marine Fisheries, if needed.		
	8. 🛛	Attach NOI Wetland Fee Transmittal Form			
	9. 🛛	Attach Stormwater Report, if needed.			
Ε.	Fees				
	1.		d for projects of any city, town, county, or district I Indian tribe housing authority, municipal housing portation 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:				
	EXEMP		2. Chaok data		
	2. Munici	pal Check Number PT	3. Check date		
		Check Number	5. Check date		

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7. Payor name on check: Last Name

6. Payor name on check: First Name



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### 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
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.



### **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





### A. Applicant Information

1. Location of Project:

278 Wessagussett Road & 20 River Street Weymouth a. Street Address b. City/Town

c. Check number d. Fee amount

2. Applicant Mailing Address:

a. First Name b. Last Name

Town of Weymouth

c. Organization

75 Middle Street

d. Mailing Address

Weymouth MA 02189 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
Step Step 4/Subtotal Activity
of Activities 3/Individual
Fee

Activity Fee

Exempt

Cat5 (rock revetment & walkway)

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 filling 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.

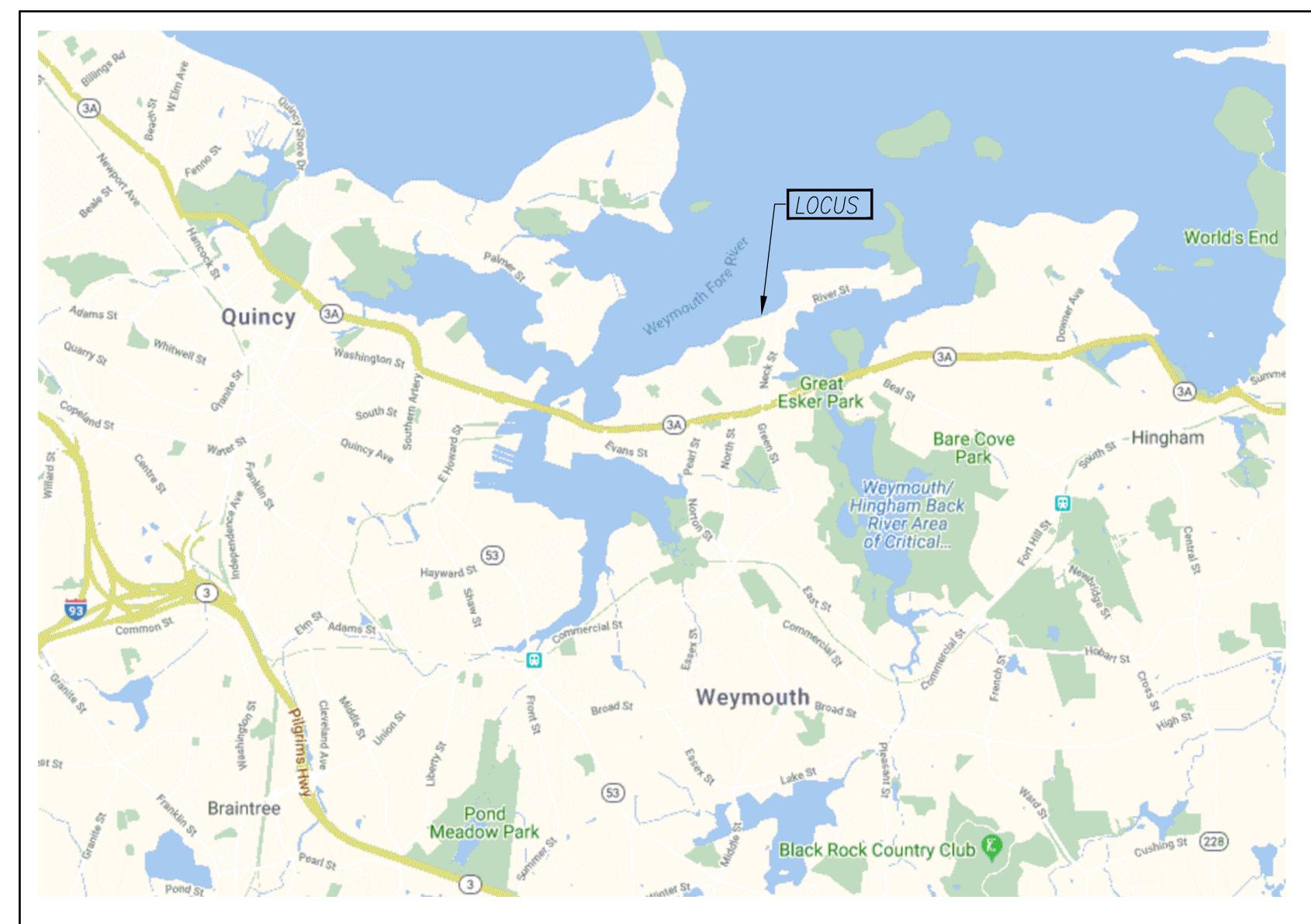
Department of Environmental Protection Box 4062 Boston, MA 02211

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.)

The revised set of plans for the project dated 4/16/19 were prepared in response to comments and input received from CZM, MEPA, AAB, Weymouth Conservation Commission, and Jim O'Connell, Coastal Geologist and include the following changes or additional information:

- The plan set now includes separate plans that clearly show the existing conditions at the site and, in particular, the demarcation of the line representing the toe of the coastal bank located adjacent to the coastal beach.
- 2. The existing concrete beach access ramp at Wessagussett Beach has been converted into a single stall HP drop off area by proposing to level this structure with additional concrete and adding a curb on three sides.
- 3. Change the proposed location of beginning of the concrete walkway at Wessagussett beach from the previous location on the coastal beach to be totally situated on the coastal bank as shown on the plans.
- 4. Eliminate the two previously proposed large bump out viewing platforms along the walkway and proposing one small 6' x 30' bump out viewing platform over the footprint of the existing bath house foundation near the proposed HP drop off area.
- 5. Propose up to 1000 cubic yards of beach re-nourishment material be placed on the coastal beach between MLW and the edge of the proposed revetment along the southwestern half of the project to help reduce the footprint of the proposed revetment in this area and to compensate for the loss of sediment from the existing coastal bank due to the installation of the proposed revetment. The beach re-nourishment in this area is proposed to not include any sand size material, but will be comprised of sediment in the range of small gravel up to 4" to 6" diameter cobbles to match existing sediment on the beach in this area. No sand size material is being proposed to alleviate any concerns that the adjacent Yacht Club may have regarding shoaling at their site due to proposed beach nourishment at this site.
- 6. The stairs on the coastal bank from the Shelf parking area to the boardwalk below are now proposed to be elevated over the surface of the coastal bank following removal of the existing cast-in-place stairs at this location. The surface of the coastal bank in this area is proposed to be filled to match the existing undisturbed grade of the coastal bank located on either side of the existing stairs. This area under the proposed elevated stairs is proposed to be stabilized with batter boards, jute matting, and indigenous plantings.
- The addition of an AAB-compliant elevated walkway/ramp fitted with Thru-Flow decking located over the
  existing vegetated coastal dune from the end of the proposed concrete walkway to the coastal beach
  below.
- 8. The proposed addition of a new precast concrete headwall and rip-rap lined swale on the coastal bank to alleviate existing scour erosion of the bank from an existing storm water drainage outfall pipe located on the bank that accommodates runoff from Baylee Road.
- 9. The elimination of the proposed Moby Mat formerly proposed to be located on the coastal beach between the end of the proposed concrete walkway and George E Lane Beach.





**MASSACHUSETTS** 

SCALE 1" = 200'

MASSACHUSETTS

SCALE 1" = 2,500'

# PROPOSED SITE DEVELOPMENT PLAN WESSAGUSSETT WALK

WESSAGUSSETT ROAD, REGATTA ROAD

AND RIVER STREET
WEYMOUTH, MA
-05-12-2018
REV 04-16-2019

DRAWING INDEX

	C3.2.1	PLAN SHOWING EXISTING SITE CONDITIONS OVERVIEW	ISSUED: 5/12/18	REV: 4/16/19
	C3.2.2	PLAN SHOWING PROPOSED SITE IMPROVEMENTS OVERVIEW	ISSUED: 5/12/18	REV: 4/16/19
	C3.2.3	PLAN SHOWING PROPOSED SITE IMPROVEMENTS AREA 1	ISSUED: 5/12/18	REV: 4/16/19
	C3.2.4	PLAN SHOWING PROPOSED SITE IMPROVEMENTS AREA 2	ISSUED: 5/12/18	REV: 4/16/19
-	C3.2.5	PLAN SHOWING PROPOSED SITE IMPROVEMENTS AREA 3	ISSUED: 5/12/18	REMOVED
-	C3.2.6	PLAN SHOWING PROPOSED SITE IMPROVEMENTS AREA 4	ISSUED: 5/12/18	REMOVED
	C3.2.7	SITE IMPROVEMENT DETAILS	ISSUED: 5/12/18	REV: 4/16/19
	C3.2.8	SECTIONS AND PHOTOS	ISSUED: 5/12/18	REV: 4/16/19
	C3.1.1	PLAN SHOWING EXISTING CONDITIONS	ISSUED: 4/16/19	
	C3.1.2	PLAN SHOWING EXISTING CONDITIONS	ISSUED: 4/16/19	

# CIVIL ENGINEER:

# COASTAL ENGINEERING CO., INC.

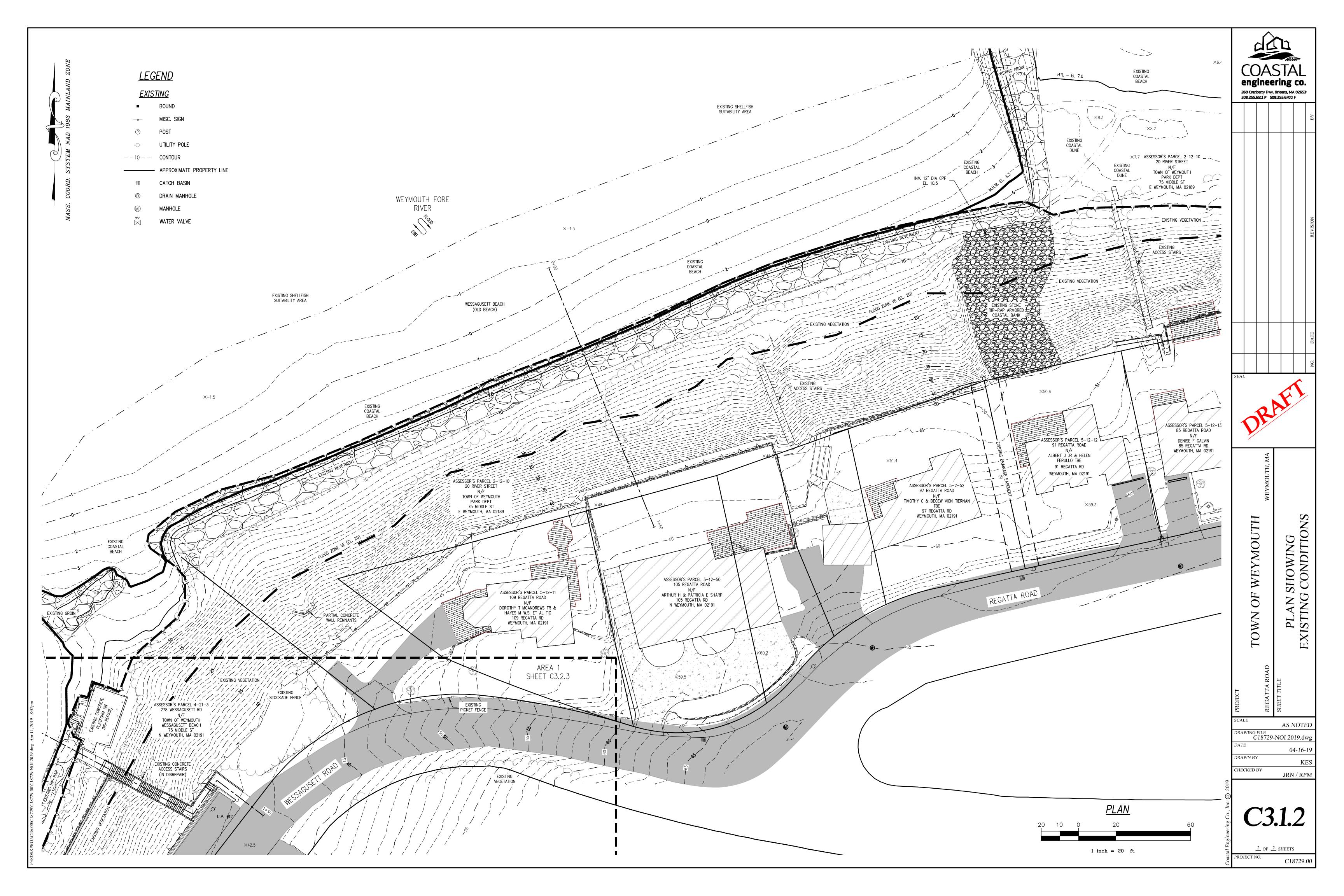
260 CRANBERRY HIGHWAY
ORLEANS, MASSACHUSETTS 02653
(508) 255-6511

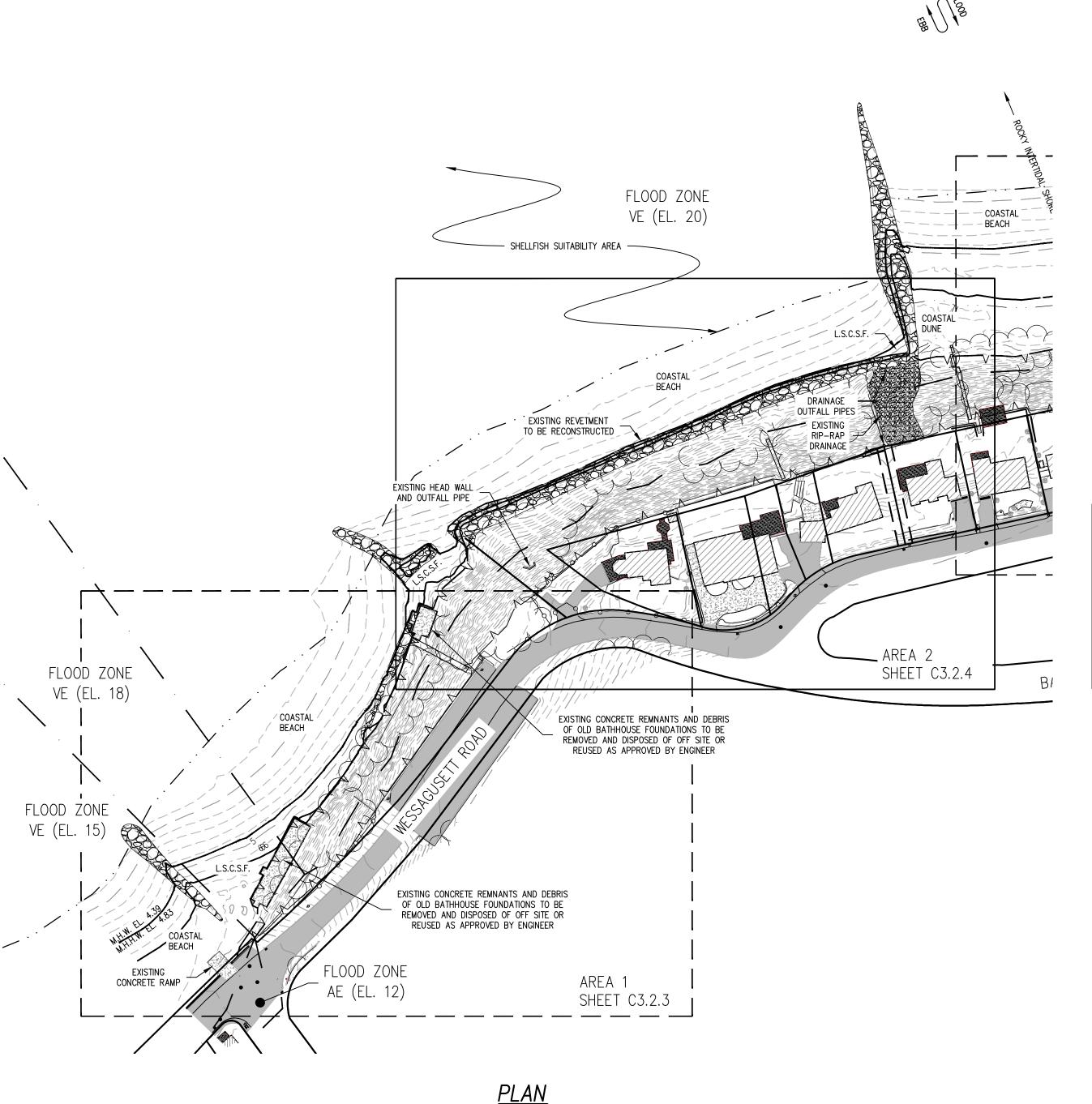
# APPLICANT AND OWNER: TOWN OF WEYMOUTH

75 MIDDLE STREET EAST WEYMOUTH, MA 02189

THIS DRAWING IS PREPARED FOR PERMITTING PURPOSES ONLY AND SHALL NOT BE USED FOR CONSTRUCTION. CONTRACTOR SHALL OBTAIN FINAL CONSTRUCTION DETAILS FROM THE ENGINEER PRIOR TO PREPARATION OF CONSTRUCTION BID AND BEFORE BEGINNING ANY WORK.







1 inch = 80 ft.

NOTE: PARCELS SHOWN ARE COMPILED FROM PLAN BOOK 204, PAGE 1280 RECORD PLAN AND PROPERTY LINES SHOWN HEREON ARE APPROXIMATE AND ARE SHOWN FOR REPRESENTATION PURPOSES ONLY.

WEYMOUTH FORE RIVER

WEYMOUTH FORE RIVER CHATHAM, MA <u>KEY MAP</u> NO SCALE

engineering co.

260 Cranberry Hwy. Orleans, MA 02653 508.255.6511 P 508.255.6700 F

# PLAN REFERENCES:

PLAN BOOK 204, PAGE 1280

BASE PLAN PREPARED BY: JAMES W. SEWELL COMPANY 136 CENTER STREET P.O. BOX 433 OLD TOWN, ME. 04468 PHONE 207-827-4456 BASED UPON AERIAL IMAGERY PERFORMED IN MAY 2017

# FLOOD NOTE:

FLOOD ZONES VE (EL. 15), VE (EL. 16), VE (EL. 18), VE (EL. 20) AND AE (EL. 12) AS SHOWN ON FÈMA FIRM PANEL #25021C0089F ËFFECTIVE: JUNE 9, 2014

# DATUM NOTE:

ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988)

MHW EXTRAPOLATED FROM BOSTON AND DUXBURY NOAA TIDE SHEETS

# <u>LEGEND</u>

BOUND

UTILITY POLE

--10-- CONTOUR

— APPROXIMATE PROPERTY LINE

CATCH BASIN DRAIN MANHOLE

> MANHOLE WATER VALVE

— FEMA FLOOD ZONE

MEAN HIGH WATER (M.H.W.) EL. 4.39 MEAN HIGH HIGH WATER OR SEASONAL HIGH TIDE (M.H.H.W.) EL. 4.83

L.S.C.S.F. LAND SUBJECT TO COASTAL STORM FLOWAGE \_\_\_\_\_V\_\_\_\_ COASTAL BANK

> AS NOTED DRAWING FILE C18729-PROPOSED NOI 2019 - SAFE.dwg

> > <del>5-12-18</del>

PLAN SHOWING EXISTING CONDITIONS

DRAWN BY JRN / RPM

 $\frac{1}{}$  of  $\frac{8}{}$  sheets C18729.00

THE INSTALLER SHALL ASCERTAIN THE LOCATION OF EXISTING UNDERGROUND UTILITIES PRIOR TO EXCAVATION, AND SHALL PROTECT UTILITIES WITHIN THE WORK AREA DURING CONSTRUCTION.

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COMPACTED SUB-GRADE

PROPOSED CONCRETE SIDEWALK

NOT TO SCALE

8" x 8" POST — 5' ON CENTER

COMPACTED SUB-GRADE

WEYMOUTH FORE RIVER СНАТНАМ, МА KEY MAP NO SCALE

# PLAN REFERENCES:

PLAN BOOK 204, PAGE 1280

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MHW EXTRAPOLATED FROM BOSTON AND DUXBURY NOAA TIDE SHEETS

# <u>LEGEND</u>

# **EXISTING**

MISC. SIGN

POST

UTILITY POLE

--10-- **CONTOUR** 

APPROXIMATE PROPERTY LINE

CATCH BASIN

DRAIN MANHOLE

MANHOLE

WATER VALVE

---- FEMA FLOOD ZONE

— — — MATCH LINE

— MEAN HIGH WATER (M.H.W.) EL. 4.39

L.S.C.S.F. LAND SUBJECT TO COASTAL STORM FLOWAGE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_COASTAL BANK

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engineering co.

260 Cranberry Hwy. Orleans, MA 02653 508.255.6511 P 508.255.6700 F

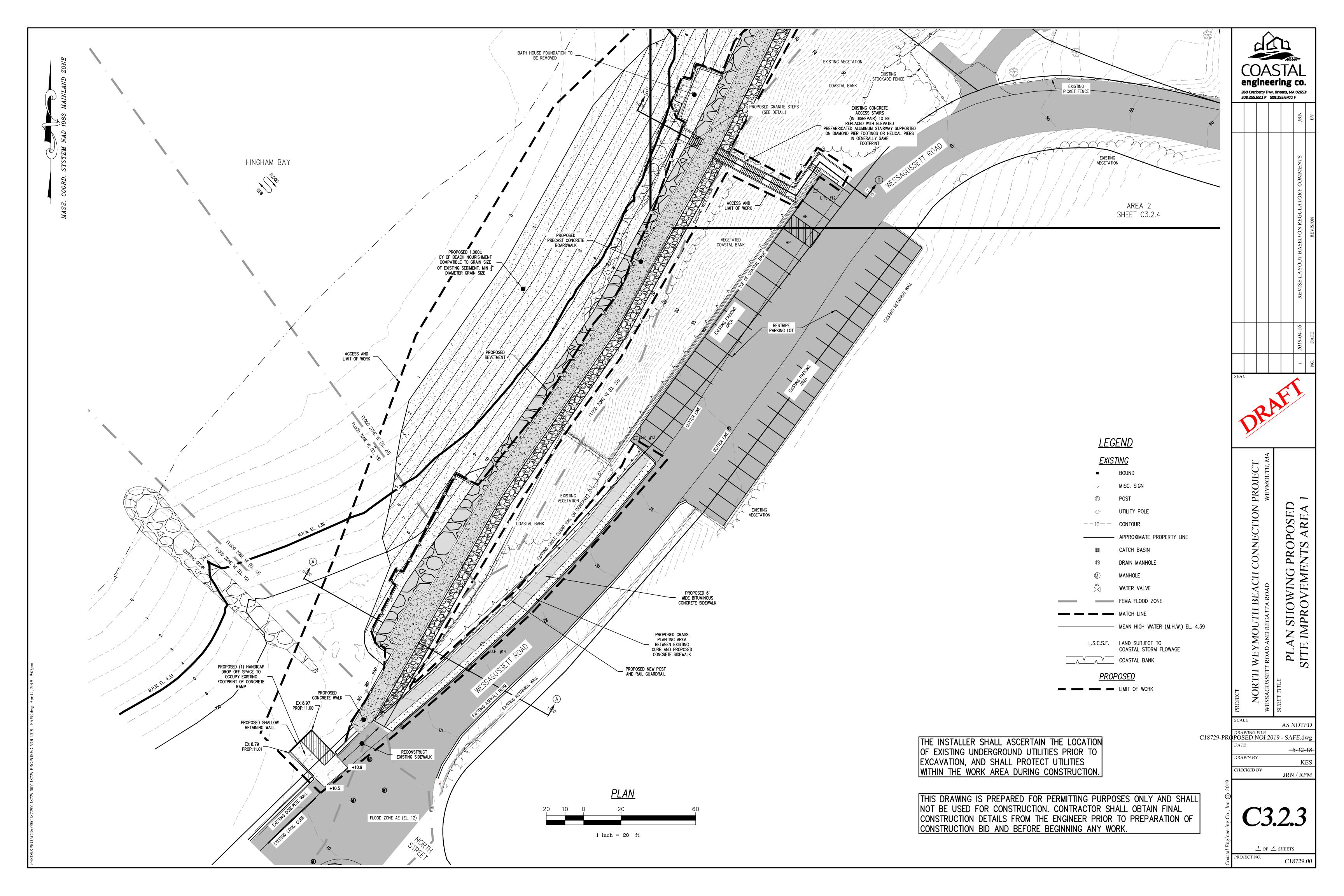
PLAN SHOWING PROPOSED SITE IMPROVEMENTS OVER VIEW

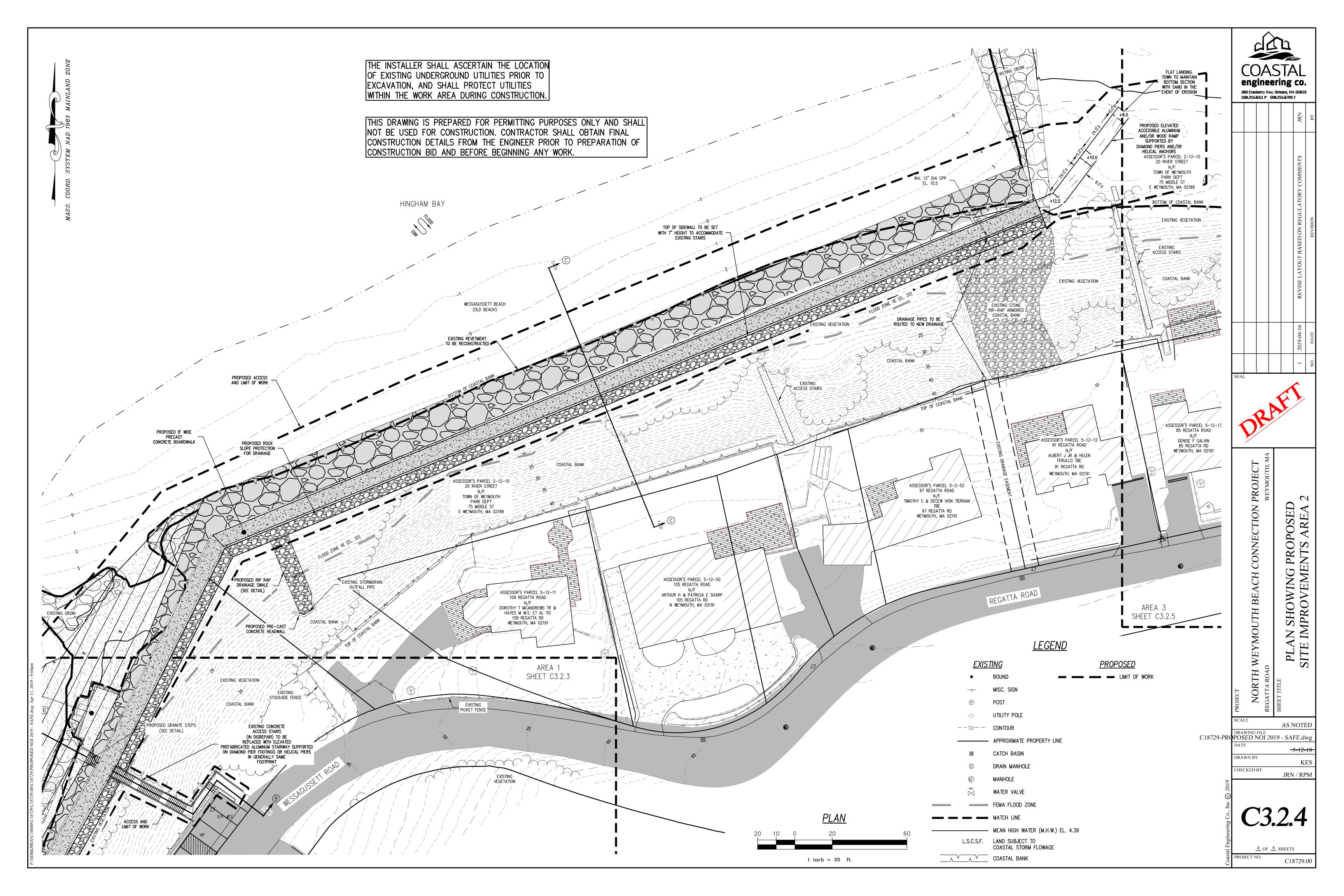
AS NOTED DRAWING FILE C18729-PROPOSED NOI 2019 - SAFE.dwg

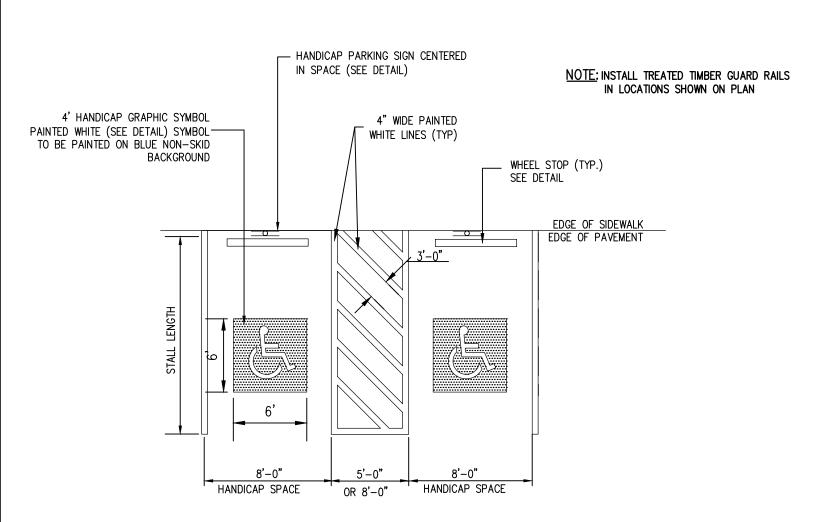
DRAWN BY KES

JRN / RPM

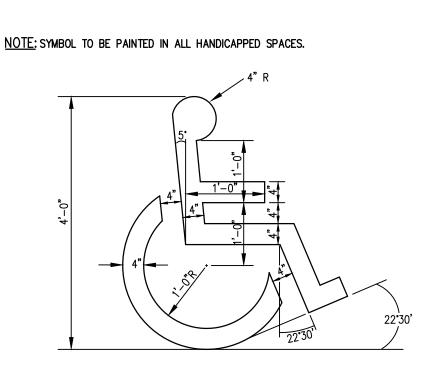
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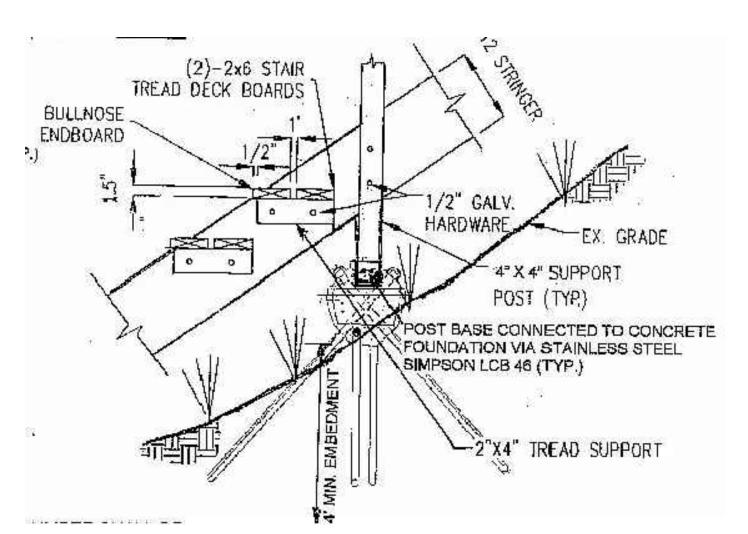




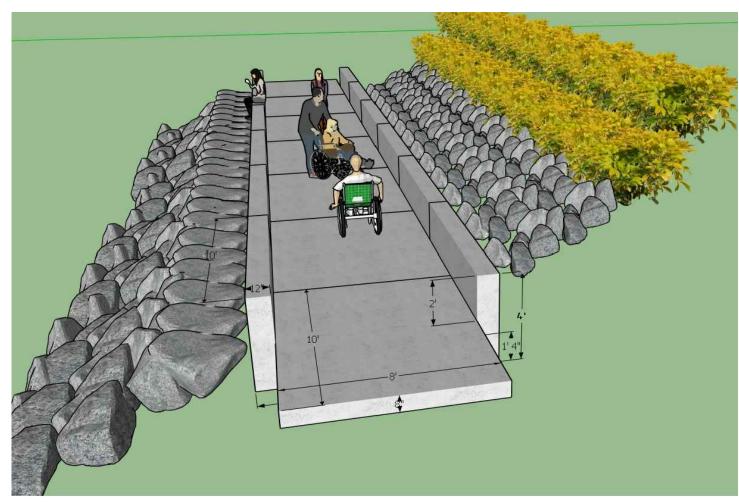
HANDICAP SPACE STRIPING



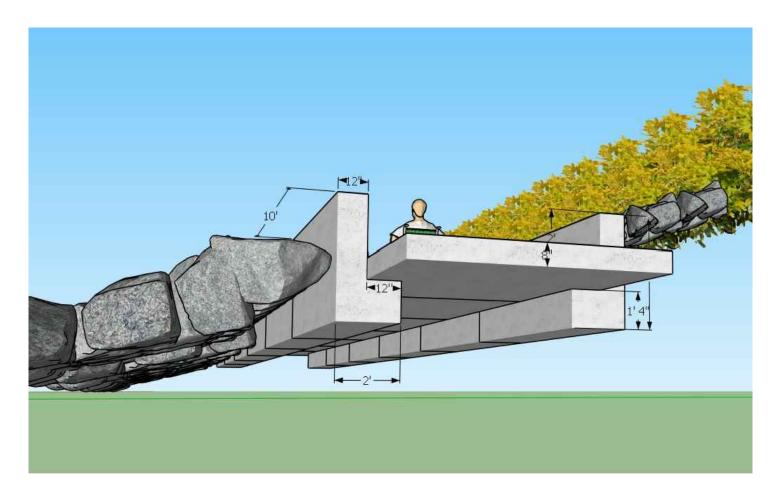
PAINTED HANDICAP SYMBOL NOT TO SCALE



DIAMOND PIER DETAIL NOT TO SCALE



PRE-CAST CONCRETE BOARDWALK NOT TO SCALE



PRE-CAST CONCRETE BOARDWALK

NOT TO SCALE

# PLAN NOTES:

- 1. SUPPLY ALL MATERIAL, EQUIPMENT AND LABOR FOR CONSTRUCTION OF ROCK REVETMENT ALONG THE SHOREFRONT AS DESCRIBED AND SHOWN ON PLAN AND DETAILS.
- 2. ACCESS FOR MATERIAL AND EQUIPMENT TO BE FROM THE SUBJECT PROPERTY AND ????. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMISSION REQUIRED FOR USE OF ANY AND ALL ACCESS.
- 3. PERFORMANCE OF THE WORK SHALL BE IN COMPLIANCE WITH THE PLAN AND DETAILS, AND ORDER OF CONDITIONS ISSUED BY THE ????? CONSERVATION COMMISSION FOR THE REFERENCED PROJECT AND AS DESCRIBED BELOW.
- 4. ANY FUTURE MAINTENANCE REQUIRED ON THE REVETMENT SHALL NOT COMMENCE UNTIL THE ?????? CONSERVATION AGENT HAS FIRST BEEN NOTIFIED AS TO THE SCOPE OF THE REPAIRS.
- 5. ANY FILL MATERIAL REQUIRED SHALL BE CLEAN COMPACTED COARSE SAND BROUGHT ONTO SITE BY CONTRACTOR.
- 6. FILTER CLOTH SHALL BE OF MIRAFI 600X, OR EQUAL, AS APPROVED BY THE ENGINEER.
- 7. THE FILTER CLOTH SHALL BE PLACED IN TWO LAYERS ON TOP OF THE GRADED SLOPE OF THE BANK, AND BENEATH THE TOE MATERIAL. THE JOINTS OF THE FILTER CLOTH SHALL BE STAGGERED AT LEAST SIX FEET APART. THE FILTER CLOTH SHALL BE OVERLAPPED AT LEAST THREE FEET IN EACH DIRECTION. ENDS OF FILTER CLOTH SHALL NOT BUTT EACH OTHER.

THRU-FLOW DECKING

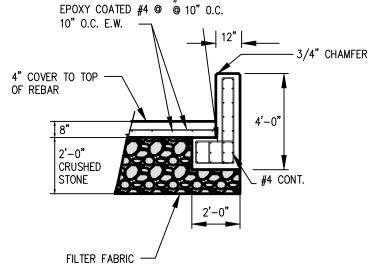
2"x12" PT TIMBER SPLIT CAP

- COASTAL DUNE

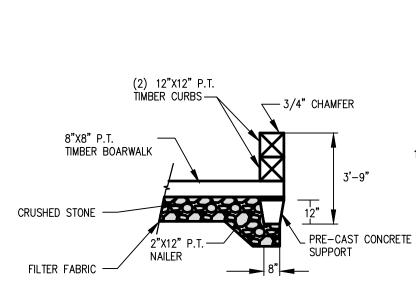
- 8. A MINIMUM OF A NINE TO TWELVE INCH LAYER OF BEDDING STONE SHALL BE PLACED OVER THE FILTER CLOTH PRIOR TO THE PLACEMENT OF THE ARMOR STONE. THE BEDDING STONE SHALL BE KEPT IN AN ENCLOSED
- INTERLOCK WITH ADJOINING STONES. PLACEMENT SHALL BE SUCH SO THAT THE END FACE OF THE LONGEST DIMENSION OF THE STONE SHALL FACE SEAWARD, THE ROCK THUS LAYING HORIZONTALLY. EACH STONE SHALL BE ADEQUATELY "TAPPED" AND "KEYED" INTO PROPER SEATING TO INSURE TIGHT FIT, BEFORE ANOTHER STONE IS ADDED. STONES NOT PROPERLY STACKED SO AS TO SECURELY INTERLOCK, UPON THE ENGINEER'S
- 10. UPON COMPLETION OF THE REVETMENT, THE CONTRACTOR SHALL REPLACE THE BEACH ACCESS, INCLUDING COVER OVER THE BASE OF THE REVETMENT, TO MATCH THE ORIGINAL PROFILE.
- 11. EXCESS SAND SHALL BE SPREAD EVENLY OVER THE FACE OF THE ROCK REVETMENT.

JUDGMENT, SHALL BE REMOVED AND REPLACED TO THE ENGINEER'S SATISFACTION.

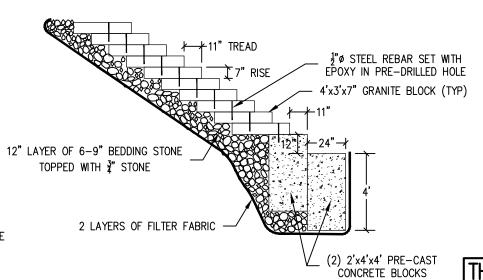
12. THE REVETMENT AND BEACH SHALL BE INSPECTED BY THE ENGINEER APPROXIMATELY 28 DAYS (ONE MOON TIDE) AFTER CONSTRUCTION TO ENSURE THAT NO EXTRANEOUS CONSTRUCTION STONES REMAIN ON THE BEACH. ANY LOOSE CONSTRUCTION STONES ON THE BEACH SHALL BE REMOVED BY THE CONTRACTOR.



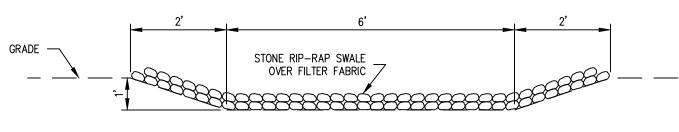
PRE-CAST CONCRETE DETAIL SCALE: 1" = 4'



TIMBER BOARDWALK DETAIL SCALE: 1" = 4"



GRANITE STEPS DETAIL

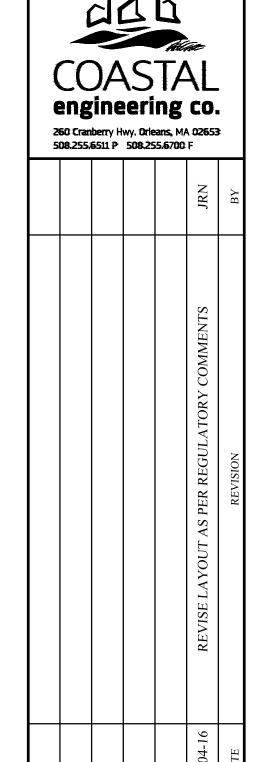


PROP. ELEVATED RAMP

DRAINAGE SWALE DETAIL NOT TO SCALE

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PROPOSED ENT DETAIL

PLAN SHOWING SITE IMPROVEME

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JRN / RPM

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PRECAST CONCRETE WALKWAY DETAIL NOT TO SCALE

LAYERS OF PROPOSED FILTER FABRIC

PRECAST CONCRETE -

BOARDWALK

ARMOR STONES

3-4 TON

TOE STONES 5-6 TON

GRADE

DRAINAGE PIPE

PROPOSED SECONDARY STONES 2-3 TON

PROPOSED 12" LAYER OF 6"-9" CRUSHED BEDDING STONE

WATERPROOF MEMBRANE

4" DIA PERFORATED

SCALE: 1" = 5

