

Professional Civil Engineering • Professional Land Surveying • Land Planning

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November 17, 2023

Mr. Andrew R. Hultin Conservation Administrator Town of Weymouth 75 Middle Street, 3rd Floor Weymouth, MA 02189

Re: Comprehensive Environmental Incorporated (CEI) Peer Review Comments
Jackson Square Notice of Intent
Broad and Commercial Streets

Dear Members of the Board:

This letter is in response to questions and comments in a review letter dated October 18, 2023, from Comprehensive Environmental Incorporated (CEI) for the above-referenced project.

Enclosed herewith are four (4) sets of the following:

- A report entitled "Drainage Calculations and Stormwater Management Plan" prepared by McKenzie Engineering Group, Inc. (MEG) with the latest revision date of November 17, 2023 (Drainage Report).
- Plans entitled "Jackson Square Weymouth, Massachusetts NOI Plan Review", prepared by MEG and MDLA with latest revision date of November 17, 2023 (Plans).
- Letter of Map Revision (LOMR) and FEMA FIS for Herring Brook.
- Delineation basin used to size the Stormceptor STC-16000, prepared by Horsley Witten Group.

The following are responses in bold italics to the comments that were highlighted in the CEI October 18th review letter that warrant further clarification.

I. Compliance with Stormwater Management Standards

The Application meets the criteria set by the ten Standards as follows:

Standard 1: No New Untreated Stormwater Discharges

It appears that basin S-C-2 is being discharged without treatment towards Broad Street. It appears this area previously drained towards the existing leaching catch basin at Site C so

this will be considered a new untreated stormwater discharge.

The Pre- and Post-development watershed maps have been revised where basin S-C-1 discharges toward the existing leaching catch basin and basin S-C-2 discharges toward Broad Street.

In the Pre-development condition, basin S-C-2 discharges roof, sidewalk and/grass surfaces to Broad Street. In the Post-development condition, basin S-C-2 discharges sidewalk and grass surfaces that currently discharge toward Broad Street. Therefore, there are no new untreated stormwater discharges.

Standard 1 prohibits scouring and sedimentation at conveyance discharge points within wetland resource areas. Provide calculations for the sediment forebay that show that scouring will not occur at the 10-year storm event per Volume 2 Chapter 2 of the Massachusetts stormwater manual.

Sediment Trap Sizing/Calculations are provided for the discharge pipes into the sediment forebay. Please refer to Appendix D of the Drainage Calculations and Stormwater Management Plan.

Standard 1 is not met.

Based on the revised enclosed materials, Standard 1 is met.

Standard 2: Peak Rate Control

The applicant is proposing peak rate control for Site C with a rain garden that discharges to Herring Brook. However, the outlet of the rain garden does not account for tailwater conditions of Herring Brook in the HydroCAD model. It appears that no elevation has been set for the bottom of the Herring Brook in the model and that the flows within Herring Brook are too small compared to the FEMA studies. This could affect the WSE within the rain garden and release rates so should be reanalyzed.

The Town of Weymouth has filed a Letter of Map Revision (LOMR) with FEMA for the project area. Based upon review of this information and the FEMA Flood Profiles for Herring Brook (refer to attached), the water surface elevations (WSE) at the weir are as follows:

Flood Profiles	WSE Elevations (NAVD 88)				
	2-Yr. Storm.	10 & 25 Yr. Storm	100 yr. Storm		
		Current FEMA	Flood Profiles		
Herring Brook Weir	14.32 (MEG survey Jan. 2023)	20.9	24.9		
	WSE Elev	WSE Elevations LOMR (NAVD-4.9)			
		16.00	20.00		
	WSE Elevations Weymouth Base (NAVD+6.63)				
	20.95 (MEG survey Jan. 2023)	22.63	26.63		

The HydroCAD analysis for the rain garden has been revised to account for the

tailwater (WSE) conditions of Herring Brook using LOMAR elevations adjusted to Weymouth Base. Please refer to the Post-Development HydroCAD analysis in Appendix B of the Drainage Calculations and Stormwater Management Plan.

The CN of pre-developed areas should remain consistent for the site. Areas AD-OS-1, S-D-OS, and S-D-1 should be considered wooded areas similar to area S-A as they are also covered by tree canopy similar to Site A.

The CN values have been revised accordingly. Please refer to Appendix A and B of the Drainage Calculations and Stormwater Management Plan for the Pre- and Post-Development HydroCAD analysis.

It appears that the existing catch basin at Site C is a leaching catch basin as no outlet pipes were found during the site visit. This should be accounted for during the existing conditions model which will affect the permissible peak release rate.

The Pre-Development HydroCAD analysis has been revised to include the leaching catch basin and an existing low point at the outfall to Herring Brook. Please refer to Appendix A and B of the Drainage Calculations and Stormwater Management Plan for the Pre- and Post-Development HydroCAD analysis.

Standard 2 is not met.

Based on the revised enclosed materials, Standard 2 is met.

Standard 3: Groundwater Recharge

The applicant is proposing to meet Standard 3 using subsurface infiltration systems for sites A and B and a reduction of impervious area for Sites C and D.

Standard 3 is met.

No Response Required.

Standard 4: Water Quality

The applicant is proposing to use multiple proprietary Stormceptor treatment and a rain garden with sediment forebay to achieve water quality treatment. All subbasins receiving treatment appear to be receiving adequate treatment.

Subbasin S-C-2 is not being treated with the current design.

The Pre- and Post-development watershed maps have been revised where basin S-C-1 discharges toward the existing leaching catch basin and basin S-C-2 discharges toward Broad Street.

In the Pre-development condition, basin S-C-2 discharges roof, sidewalk and/grass surfaces to Broad Street. In the Post-development condition, basin S-C-2 discharges sidewalk and grass surfaces that currently discharge toward Broad Street. Therefore, there are no new untreated stormwater discharges.

Standard 4 is not met.

Based on the revised enclosed materials, Standard 4 is met.

Standard 5: Land Uses with Higher Potential Pollutant Loads (LUHPPL)

Standard 5 is not applicable.

Standard 6: Critical Areas

It appears that the applicant is proposing to cut within the 100-year flood plain of Herring Brook. It does not appear that any fill is being proposed in this area.

Standard 6 is met.

No Response Required.

Standard 7: Redevelopment

Standard 7 requires the Applicant to meet Standards 2, 3, 4, 5, and 6 to the maximum extent practicable (MEP). MEP is defined in the Stormwater Handbookby:

Proponents of redevelopment projects have made all reasonable efforts to meet the applicable Standard

- (1) They have made a complete evaluation of possible stormwater management measures including environmentally sensitive site design that minimizes land disturbance and impervious surfaces, low impact development techniques, and stormwater BMPs; and,
- (2) If not in full compliance with the applicable Standard, they are implementing the highest practicable level of stormwater management.

Due to the existing catch basin on Site C not being accounted for during the analysis of peak rate control or water quality it is not believed that Standard 2 or Standard 4 are being met to the MEP for the site.

The Pre-Development HydroCAD analysis has been revised to include the leaching catch basin and an existing low point at the outfall to Herring Brook. Please refer to Appendix A and B of the Drainage Calculations and Stormwater Management Plan for the Pre- and Post-Development HydroCAD analysis.

The Pre- and Post-development watershed maps have been revised where basin S-C-1 discharges toward the existing leaching catch basin and basin S-C-2 discharges toward Broad Street.

In the Pre-development condition, basin S-C-2 discharges roof, sidewalk and/grass surfaces to Broad Street. In the Post-development condition, basin S-C-2 discharges sidewalk and grass surfaces that currently discharge toward Broad Street. Therefore, there are no new untreated stormwater discharges.

MEP has not been met for the Site.

Based on the revised enclosed materials, Standard 4 is met.

Standard 8: Construction Phase Erosion and Sediment Controls

No temporary stockpile areas or concrete washout basins were specified on ESC plans. Areas for proposed infiltration areas should be protected during construction.

The Erosion and Sedimentation Control Plans have been updated to include temporary stockpile locations and concrete washout basins. A note to protect the proposed infiltration areas has been added to the plans. Please refer to Sheets C-12 and C-13.

A schedule for sequencing construction and stormwater management activities that minimizes land disturbance is required.

A construction sequence has been added to the Erosion and Sedimentation Control Plans. Please refer to Sheets C-12 and C-13.

Standard 8 is not met.

Based on the revised enclosed materials, Standard 8 is met.

Standard 9: Operation and Maintenance

Provide a BMP map with the O&M plan, indicating all onsite BMP and stormwater features. Include the manufacturers O&M plan for the proposed Ferguson R-Tanks.

As requested, a Long-Term Operations and Maintenance Map for all sites has been developed. Please refer to Sheets C-15 and C-16.

The O&M Plan for the proposed Ferguson R-Tanks has been included in the Post-Development O&M plan for Sites A and B. Please refer to Appendix F of the Drainage Calculations and Stormwater Management Plan.

Standard 9 is not met.

Based on the revised enclosed materials, Standard 8 is met.

Standard 10: Prohibition of Illicit Discharges

Standard 10 is met.

No Response Required.

II. Stormwater Management Design

 The applicant is proposing to regrade an existing ditch within Site A. The proposed regraded ditch does not include a low-level outlet. This will create excess ponding. A low level outlet should be included.

The design has been revised to include an outlet control structure with a low-level orifice with a connection to the closed drainage system within Lovell Field.

2. Please include the delineated basin used to size the Stormceptor STC-16000.

The delineated basin (1864A-1) is attached to this letter. The Horsley Witten Group developed this delineation in the Stormwater Improvement Project – Herring Brook Report, dated February 2011.

3. Ensure the areas for subbasins in exhibits match with areas used in HydroCAD. There are multiple discrepancies between the exhibits and the calculations.

The Pre- and Post-Development Watershed Maps have been revised to match the HydroCAD analysis. Please refer to Appendix A and B of the Drainage Calculations and Stormwater Management Plan for the Pre- and Post-Development HydroCAD analysis.

III. General Civil Design and Permitting

1. The stormwater report and site plans should specify the final destination of any stockpiled material. If the stockpiled material will not be used onsite, the applicant should remove the material according to regulations.

Final destinations of stockpiled materials to be determined by the site contractor. This information will be provided to the Weymouth Conservation Commission prior to construction.

2. The site plans should also specify any proposed practices to stabilize temporary soil stockpiles. If the practices do not provide for routine covering of soils stockpiles with tarps, we recommend a condition of approval that, in the event the specified practices do not adequately control wind and water-borne erosion of the stockpiles, the Town may require the applicant to cover stockpiles at the end of each working day with anchored tarps which should remain in place when the stockpiles are not being actively used.

The Erosion and Sedimentation Control Plans have been updated to include practices to stabilize temporary soil stockpiles. Please refer to Sheets C-12 and C-13.

We believe that we have sufficiently addressed the comments in the October 18, 2023, CEI letter. Please do not hesitate to contact us with any questions or additional information.

Very truly yours,

MCKENZIE ANGINEERING GROUP, INC.

Susan Spratt, P.E. Project Manager

Cc: Irakis N. Papachristos, Manager of 864, 909, 910 Broad Street LLCs and 1409 Commercial Street

Edward J. Flemming, ESQ. Lucas Environmental, LLC

FLOOD INSURANCE STUDY

FEDERAL EMERGENCY MANAGEMENT AGENCY

VOLUME 5 OF 6



NORFOLK COUNTY, MASSACHUSETTS

(ALL JURISDICTIONS)

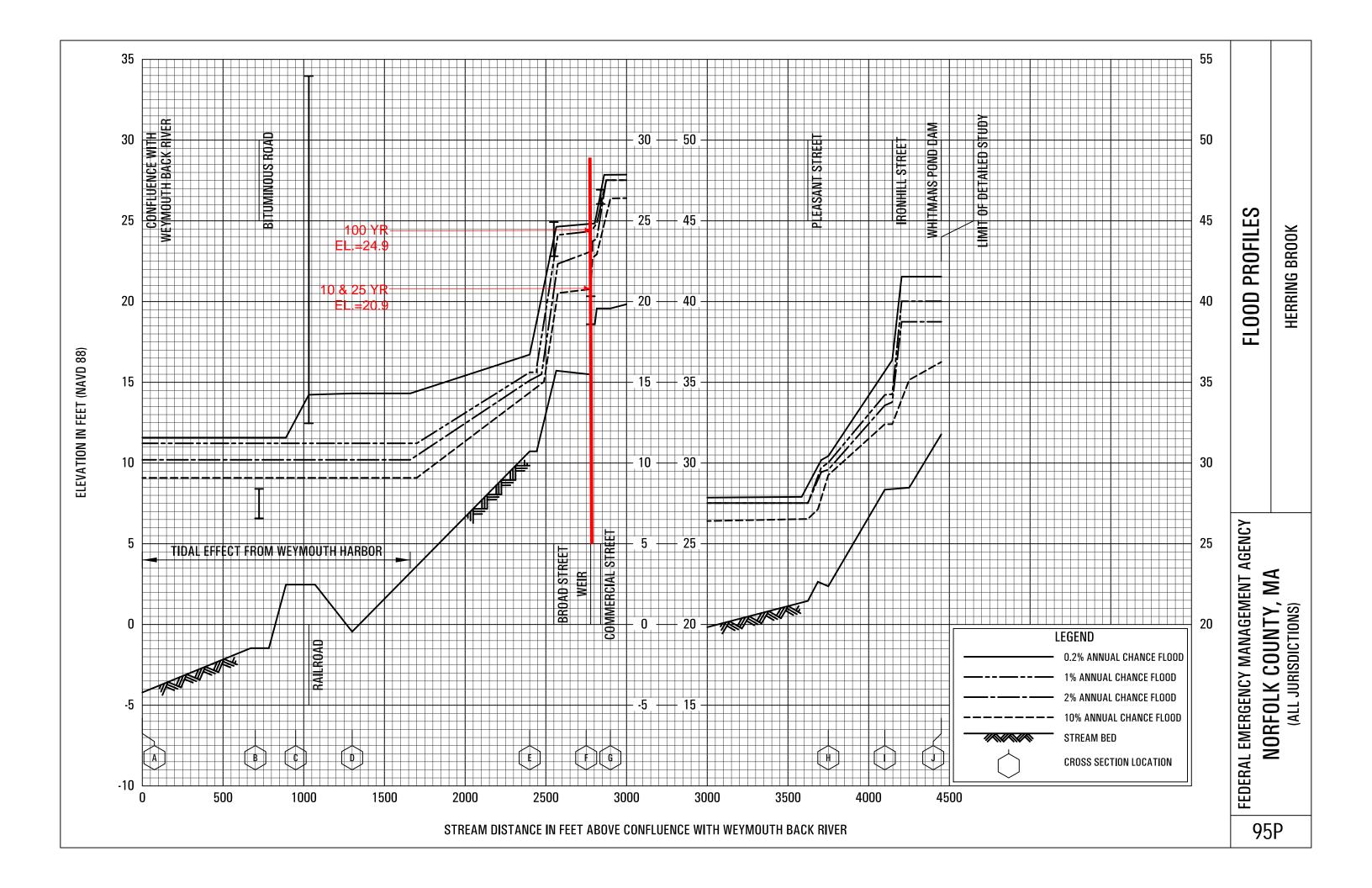
COMMUNITY NAME	NUMBER	COMMUNITY NAME	NUMBER
AVON, TOWN OF	250231	NEEDHAM, TOWN OF	255215
BELLINGHAM, TOWN OF	250232	NORFOLK, TOWN OF	255217
BRAINTREE, TOWN OF	250233	NORWOOD, TOWN OF	250248
BROOKLINE, TOWN OF	250234	PLAINVILLE, TOWN OF	250249
COHASSET, TOWN OF	250236	QUINCY, CITY OF	255219
DEDHAM, TOWN OF	250237	RANDOLPH, TOWN OF	250251
DOVER, TOWN OF	250238	SHARON, TOWN OF	250252
FOXBOROUGH, TOWN OF	250239	STOUGHTON, TOWN OF	250253
FRANKLIN, TOWN OF	250240	WALPOLE, TOWN OF	250254
HOLBROOK, TOWN OF	255212	WELLESLEY, TOWN OF	250255
MEDFIELD, TOWN OF	250242	WESTWOOD, TOWN OF	255225
MEDWAY, TOWN OF	250243	WEYMOUTH, TOWN OF	250257
MILLIS, TOWN OF	250244	WRENTHAM, TOWN OF	250258
MILTON, TOWN OF	250245		

REVISED:

JULY 6, 2021

FLOOD INSURANCE STUDY NUMBER 25021CV005D Version Number 2.6.3.5





DEPARTMENT OF HOMELAND SECURITY Federal Emergency Management Agency

OVERVIEW & CONCURRENCE FORM

OMB Control Number: 1660-0016 Expiration: 1/31/2024

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 1 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street, SW, Washington, DC 20472, Paperwork Reduction Project (1660-0016). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. Please do not send your completed survey to the above address.

PRIVACY ACT STATEMENT

AUTHORITY: The National Flood Insurance Act of 1968, Public Law 90-448, as amended by the Flood Disaster Protection Act of 1973, Public Law 93-234.

PRINCIPAL PURPOSE(S): This information is being collected for the purpose of determining an applicant's eligibility to request changes to National Flood Insurance Program (NFIP) Flood Insurance Rate Maps (FIRM).

ROUTINE USE(S): The information on this form may be disclosed as generally permitted under 5 U.S.C § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/FEMA/NFIP/LOMA-1 National Flood Insurance Program (NFIP); Letter of Map Amendment (LOMA) February 15, 2006, 71 FR 7990.

DISCLOSURE: The disclosure of information on this form is voluntary; however, failure to provide the information requested may delay or prevent FEMA from processing a determination regarding a requested change to a (NFIP) Flood Insurance Rate Maps (FIRM).

	A. REQUESTED RESPONSE FROM DH	S-FEMA			
This request is for a (check one):				
	CLOMR: A letter from DHS-FEMA commenting on whether a proposed project, if built as proposed, would justify a map revision, or proposed hydrology changes (See 44 CFR Ch. 1, Parts 60, 65 & 72). All CLOMRs require documentation of compliance with the Endangered Species Act. Refer to the Instructions for details.				
	er from DHS-FEMA officially revising the current NFIP map to show See 44 CFR Ch. 1, Parts 60, 65 & 72).	w the char	nges to floodp	ains, regulato	ry floodway or
	B. OVERVIEW				
1. The NFIP map p	anel(s) affected for all impacted communities is (are):				
Community No.	Community Name	State	Map No.	Panel No.	Effective Date
2. a. Flooding Sour	ce:				
b. Types of Flooding: Riverine Coastal Shallow Flooding (e.g., Zones AO and AH) Alluvial Fan Lakes Other (Attach Description)					
3. Project Name/Ide	entifier:				
4. FEMA zone desi	gnations (choices: A, AH, AO, A1-A30, A99, AE, AR, V, V1-V30,	VE, B, C,	D, X)		
a. Effective:					
b. Revised:					

5. Basis for Request and Type of Revision:			
a. The basis for this revision request is (check all that apply)			
Physical Change Improved Methodology/Data	Regulatory Fl	oodway Revision	Base Map Changes
Coastal Analysis Hydraulic Analysis	Hydrologic A	nalysis	Corrections
☐ Weir-Dam Changes ☐ Levee Certification	Alluvial Fan A	nalysis	Natural Changes
New Topographic Data Other (Attach Description)			
Note: A photograph and narrative description of the area of conc	ern is not required, bu	t is very helpful durir	ng review.
b. The area of revision encompasses the following structures (ch	neck all that apply)		
Structures: Channelization Levee/Floodwall	Bridge/Culvert		
 ☐ Dam ☐ Fill	Other (Attach	Description)	
6. Documentation of ESA compliance is submitted (required to information.	initiate CLOMR revie	ew). Please refer to t	he instructions for more
C. REVI	EW FEE		
Has the review fee for the appropriate request category been included'	? _		
	∐ Yes	Fee amount: \$ _	
	No, Attach Exp		
- Please see the DHS-FEMA Web site at http://www.fema.go		<u>nents-and-soft</u>	ware/flood-
map-related-fees for Fee Amounts and Exemption			
D. SIGNA	ATURES		
1. REQUESTOR'S SIGNATURE All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be			
punishable by fine or imprisonment under Title 18 of the United States (. I understand that	any laise statement may be
Name:	Company:		
Mailing Address:	Daytime Telephone:		Fax No.:
	E-mail Address:		
	Date:		
Signature of Requestor (required):			
2. COMMUNITY CONCURRENCE			
As the community official responsible for floodplain management, I hereby acknowledge that we have received and reviewed this Letter of Map Revision (LOMR) or conditional LOMR request. Based upon the community's review, we find the completed or proposed project meets or is designed to meet all of the community floodplain management requirements, including the requirements for when fill is placed in the regulatory floodway, and that all necessary Federal, State, and local permits have been, or in the case of a conditional LOMR, will be obtained. For Conditional LOMR requests, the applicant has documented Endangered Species Act (ESA) compliance to FEMA prior to FEMA's review of the Conditional LOMR application. For LOMR requests, I acknowledge that compliance with Sections 9 and 10 of the ESA has been achieved independently of FEMA's process. For actions authorized, funded, or being carried out by Federal or State agencies, documentation from the agency showing its compliance with Section 7(a)(2) of the ESA will be submitted. In addition, we have determined that the land and any existing or proposed structures to be removed from the SFHA are or will be reasonably safe from flooding as defined in 44CFR 65.2(c), and that we have available upon request by FEMA, all analyses and documentation used to make this determination.			
Community Official's Name and Title:			
Mailing Address:	Community Name:		
	Daytime Telephone: Fax No.:		
	E-mail Address:		
Community Official's Signature (required):		Date:	

3. CERTIFICATION BY REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR				
This certification is to be signed and sealed by a licensed land surveyor, registered professional engineer, or architect authorized by law to certify elevation information data, hydrologic and hydraulic analysis, and any other supporting information as per NFIP regulations paragraph 65.2(b) and as described in the MT-2 Forms Instructions. All documents submitted in support of this request are correct to the best of my knowledge. I understand that any false statement may be punishable by fine or imprisonment under Title 18 of the United States Code, Section 1001.				
Certifier's Name:	License No.:	Expi	ration Date:	
Company Name:		Mailing Address:		
Telephone No.:				
E-mail Address:				
Signature:				Date:
Ensure the forms that are appropriate to your revision	n request ar	e included in your submittal.		
Form Name and (Number)	Required i	<u>if</u>		
Riverine Hydrology and Hydraulics Form (Form 2)	New or rev surface ele	rised discharges or water- evations		
Riverine Structures Form (Form 3)	bridge/culv	modified, addition/revision of erts, addition/revision of wall, addition/revision of dam		
Coastal Analysis Form (Form 4)	New or rev	ised coastal elevations		
Coastal Structures Form (Form 5)	Addition/re	vision of coastal structure		
Alluvial Fan Flooding Form (Form 6)	Flood cont	rol measures on alluvial fans		Seal (Optional)

DEPARTMENT OF HOMELAND SECURITY Federal Emergency Management Agency

RIVERINE HYDROLOGY & HYDRAULICS FORM (FORM 2)

OMB Control Number: 1660-0016 Expiration: 1/31/2024

PAPERWORK BURDEN DISCLOSURE NOTICE

Public reporting burden for this form is estimated to average 3.5 hours per response. The burden estimate includes the time for reviewing instructions, searching existing data sources, gathering and maintaining the needed data, and completing, reviewing, and submitting the form. You are not required to respond to this collection of information unless it displays a valid OMB control number. Send comments regarding the accuracy of the burden estimate and any suggestions for reducing this burden to: Information Collections Management, Department of Homeland Security, Federal Emergency Management Agency, 500 C Street, SW, Washington, DC 20472, Paperwork Reduction Project (1660-0016). Submission of the form is required to obtain or retain benefits under the National Flood Insurance Program. **Please do not send your completed survey to the above address.**

PRIVACY ACT STATEMENT

AUTHORITY: The National Flood Insurance Act of 1968, Public Law 90-448, as amended by the Flood Disaster Protection Act of 1973, Public Law 93-234.

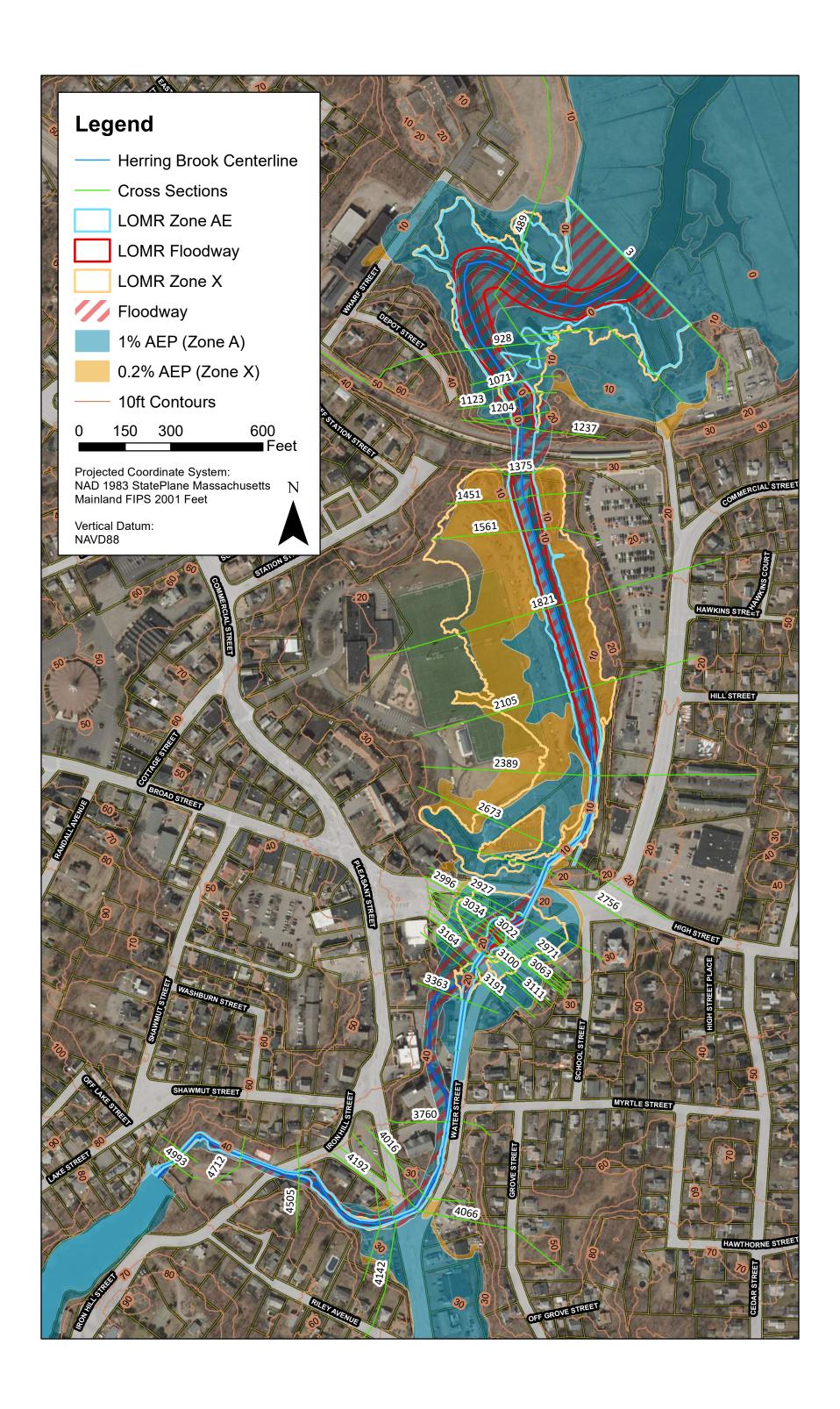
PRINCIPAL PURPOSE(S): This information is being collected for the purpose of determining an applicant's eligibility to request changes to National Flood Insurance Program (NFIP) Flood Insurance Rate Maps (FIRM).

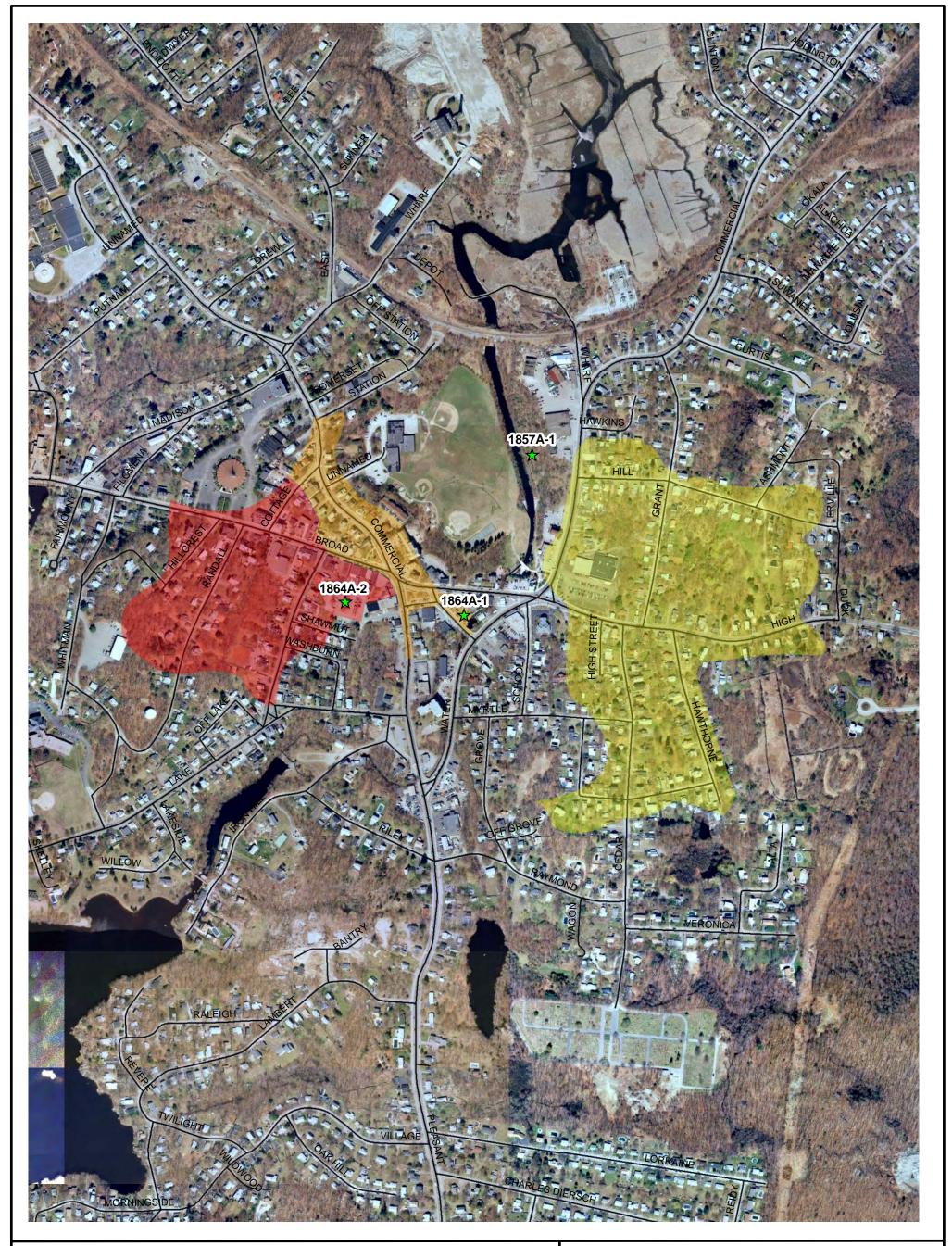
ROUTINE USE(S): The information on this form may be disclosed as generally permitted under 5 U.S.C § 552a(b) of the Privacy Act of 1974, as amended. This includes using this information as necessary and authorized by the routine uses published in DHS/FEMA/NFIP/LOMA-1 National Flood Insurance Program (NFIP); Letter of Map Amendment (LOMA) February 15, 2006, 71 FR 7990.

	CLOSURE: The disclosure of information on this form is voluntary; however, failure to provide the information requested may delay or ent FEMA from processing a determination regarding a requested change to a (NFIP) Flood Insurance Rate Maps (FIRM).				
Flood	ding Source:				
Note	: Fill out one form for each flooding source studied				
	A. HYDROLOGY				
1.	Reason for New Hydrologic Analysis (check all that apply):				
	Not revised (skip to section B) □ No existing analysis □ Improved data				
	Alternative methodology Proposed Conditions (CLOMR) Changed physical condition of watershed				
2.	Comparison of Representative 1%-Annual-Chance Discharges				
	Location Drainage Area (Sq. Mi.) Effective/FIS (cfs) Revised (cfs)				
3.	Methodology for New Hydrologic Analysis (check all that apply)				
	Precipitation/Runoff Model → Specify Model: Duration: Rainfall Amount:				
	Statistical Analysis of Gage Records				
	Regional Regression Equations				
	ise enclose all relevant models in digital format, maps, computations (including computation of parameters), and documentation to port the new analysis.				
4.	Review/Approval of Analysis				
	If your community requires a regional, state, or federal agency to review the hydrologic analysis, please attach evidence of approval/review. 4. HEC-RAS File Description**:				
5.	Impacts of Sediment Transport on Hydrology				
	Is the hydrology for the revised flooding source(s) affected by sediment transport?				
	If yes, then fill out Section F (Sediment Transport) of Form 3. If No, then attach your explanation.				

			B. HYDR	AULICS		
1	. Reach to be Revised					
	<u>rtodori to bo rtoviood</u>	Description	Cross	Section	Water-Surface I	Elevation (ft.)
		•			Effective	Proposed/Revised
	Downstream Limit*					
	Upstream Limit*					
	roposed/Revised elevations <u>Hydraulic Method/Model L</u>		ctive elevations with	nin 0.5 foot at the dow	nstream and upstream	ı limits of revision.
	Steady State	Unsteady State	One-Dim	nensional	wo-Dimentional	
3	. <u>Pre-Submittal Review of F</u>	Hydraulic Models*	_	_		
	HS-FEMA has developed two odels, respectively. We reco					
4	. HEC-RAS File Description	1**: 				
	Models Submitted	Natura	ıl Run	Flood	way Run	Datum
	Duplicate Effective Model*	File Name:	Plan Name:	File Name:	Plan Name:	
	Corrected Effective Model*	File Name:	Plan Name:	File Name:	Plan Name:	
	Eviation on Due Due of					
	Existing or Pre-Project Conditions Model	File Name:	Plan Name:	File Name:	Plan Name:	
	Revised or Post-Project Conditions Model	File Name:	Plan Name:	File Name:	Plan Name:	
	Other - (attach description)	File Name:	Plan Name:	File Name:	Plan Name:	
* F	For details, refer to the corres See instructions for informati	sponding section of th	e instructions.	Digital Madala	Submitted? (Dequire	
		on about modeling ou			Submitted? (Required	ı)
			C. MAPPING RE			
exi ani wit	certified topographic work sting, and proposed condition nual-chance floodplains and histationing control indicated undaries of the requester's scription of reference marks;	ons 1%-annual-chance regulatory floodway (d; stream, road, and of property; certification and the referenced v	e floodplain (for ap for detailed Zone A ther alignments (e. n of a registered ertical datum (NGV	proximate Zone A revisions, AO, and AH revisions, dams, levees, etc.) professional enginee	visions) or the bounda ons); location and alig); current community e r registered in the si	aries of the 1%- and 0.2%- nment of all cross sections asements and boundaries;
T	opographic Information:	Digital	Mapping (GIS/CAL	טכ) Data Submitted (p	releffed)	
So	ource:			Date	e:	
Vei	rtical Datum:			Spatial Projection:		
Ac	ccuracy:					
FBI at t	te that the boundaries of the FM must tie-in with the effect he same scale as the original way that tie-in with the boundary that tie-in with the soundaries.	tive floodplain and req nal, annotated to sho undaries of the effect	gulatory floodway b w the boundaries o	oundaries. Please atta of the revised 1%-and	ach a copy of the effe 1 0.2%-annual-chance	ective FIRM and/or FBFM floodplains and regulatory
		Ar	nnotated FIRM and/	or FBFM (Required)		

	D. COMMON REGULATORY REQUIREMENTS*
1.	For LOMR/CLOMR requests, do Base Flood Elevations (BFEs) or Special Flood Hazard Areas (SFHAs) increase compared to the effective BFEs?
	If Yes, please attach proof of property owner notification . Examples of property owner notifications can be found in the MT-2 Form 2 Instructions.
2.	For CLOMR requests, if either of the following is true, please submit evidence of compliance with Section 65.12 of the NFIP regulations:
	 The proposed project encroaches upon a regulatory floodway and would result in increases above 0.00 foot compared to pre-project conditions.
	 The proposed project encroaches upon a SFHA with or without BFEs established and would result in increases above 1.00 foot compared to pre-project conditions.
3.	Does the request involve the placement or proposed placement of fill?
	If Yes, the community must be able to certify that the area to be removed from the special flood hazard area, to include any structures or proposed structures, meets all of the standards of the local floodplain ordinances, and is reasonably safe from flooding in accordance with the NFIP regulations set forth at 44 CFR 60.3(A)(3), 65.5(a)(4), and 65.6(a)(14). Please see the MT-2 instructions for more information.
4.	Does the request involve the placement or proposed placement of fill?
	If Yes, attach evidence of regulatory floodway revision notification . As per Paragraph 65.7(b)(1) of the NFIP Regulations, notification is required for requests involving revisions to the regulatory floodway Elements and examples of regulatory floodway revision notification can be found in the MT-2 Form 2 Instructions.
5.	For CLOMR requests, please submit documentation to FEMA and the community to show that you have complied with Sections 9 and 10 of the Endangered Species Act (ESA). For actions authorized, funded, or being carried out by Federal or State agencies, please submit documentation from the agency showing its compliance with Section 7(a)(2) of the ESA. Please see the MT-2 instructions for more detail.









1864A-1 Drainage Area



1864A-2 Drainage Area



1857A-1 Drainage Area



500



Drainage Areas for Proposed BMPs Herring Brook Watershed Weymouth, MA

05/09 mw R:\8044 Town of Weymouth Herring Brook\GIS