Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part I: General Conditions

General Information

Name of Municipality or Organization: Town of Newbury

State: MA

EPA NPDES Permit Number (if applicable): MA RO 41212

Primary MS4 Program Manager Contact Information

Name: John S. O'Connell

Title: Chairman, Stormwater Committee

Street Address Line 1: CES

Street Address Line 2: 12 Pleasant St.

City: Newburyport

State: MA

Zip Code: 01950

Email: Johnoconnell.ces@verizon.net

Phone Number: (978) 465-2216

Fax Number:

Other Information

Stormwater Management Program (SWMP) Location (web address or physical location, if already completed): Town Hall, 12 Kent Way, Byfield, MA 019922

Eligibility Determination

Endangered Species Act (ESA) Determination Complete? Yes

Eligibility Criteria (check all that apply): ☐ A ☐ B ☒ C

National Historic Preservation Act (NHPA) Determination Complete? Yes

Eligibility Criteria (check all that apply): ☒ A ☐ B ☐ C

☑ Check the box if your municipality or organization was covered under the 2003 MS4 General Permit

MS4 Infrastructure (If covered under the 2003 permit)

Estimated Percent of Outfall Map Complete? *(Part II, III, IV or V, Subpart B.3.(a.) of 2003 permit)*: 100%

If 100% of 2003 requirements not met, enter an estimated date of completion (MM/DD/YY):

Web address where MS4 map is published:

If outfall map is unavailable on the Internet an electronic or paper copy of the outfall map must be included with NOI submission (see section V for submission options): N/A - paper copy

Regulatory Authorities (If covered under the 2003 permit)

Illicit Discharge Detection and Elimination (IDDE) Authority Adopted? *(Part II, III, IV or V, Subpart B.3.(b.) of 2003 permit)*: Yes

Effective Date or Estimated Date of Adoption (MM/DD/YY): 05/26/09

Construction/Erosion and Sediment Control (ESC) Authority Adopted? *(Part II,III,IV or V, Subpart B.4.(a.) of 2003 permit)*: Yes

Effective Date or Estimated Date of Adoption (MM/DD/YY): 05/26/09

Post- Construction Stormwater Management Adopted? *(Part II, III, IV or V, Subpart B.5.(a.) of 2003 permit)*: Yes

Effective Date or Estimated Date of Adoption (MM/DD/YY): 12/04/13

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part II: Summary of Receiving Waters

Please list the waterbodies to which your MS4 discharges. For each waterbody, please report the number of outfalls discharging into it and, if applicable, the segment ID and any impairments.

Massachusetts list of impaired waters: Massachusetts 2014 List of Impaired Waters- http://www.mass.gov/eea/docs/dep/water/resources/07v5/14list2.pdf

Waterbody that receives flow from the MS4 and segment ID if applicable	Number of outfalls into receiving water segment	Chloride	Chlorophyll-a	Dissolved Oxygen/ DO Saturation	Nitrogen	Oil & Grease/ PAH	Phosphorus	Solids/ TSS/ Turbidity	E. coli	Enterococcus	Other pollutant(s) causing impairments
Parker River (MA 91-01) above Central St. Dam	20	☐	☐	☐	☐	☐	☐	☐	☐	☐	Low flow alterations - Impairments not caused by pollutants
Parker River (MA91-02) below Central St. Dam	39	☐	☐	☐	☐	☐	☐	☐	☒	☐	Fecal - Coliform
Little River (Parker River Tributary) (MA91-11)	22	☐	☐	☐	☐	☐	☐	☐	☒	☐	Fecal - Coliform
Plum Island River (MA84A-27)	15	☐	☐	☐	☐	☐	☐	☐	☐	☒	Fecal - Coliform
Merrimack River (MA84A)	1	☐	☐	☐	☐	☐	☐	☐	☐	☒	Fecal - Coliform, mercury in fish tissue
		☐	☐	☐	☐	☐	☐	☐	☐	☐	
		☐	☐	☐	☐	☐	☐	☐	☐	☐	
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Click to lengthen table

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary

Identify the Best Management Practices (BMPs) that will be employed to address each of the six Minimum Control Measures (MCMs). For municipalities/organizations whose MS4 discharges into a receiving water with an approved Total Maximum Daily Load (TMDL) and an applicable waste load allocation (WLA), identify any additional BMPs employed to specifically support the achievement of the WLA in the TMDL section at the end of part III.

For each MCM, list each existing or proposed BMP by category and provide a brief description, responsible parties/departments, measurable goals, and the year the BMP will be employed (public education and outreach BMPs also requires a target audience). **Use the drop-down menus in each table or enter your own text to override the drop down menu.**

MCM 1: Public Education and Outreach

BMP Media/Category (enter your own text to override the drop down menu)	BMP Description	Targeted Audience	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal	Beginning Year of BMP Implementation
News	Annual Article in local newspaper	Residents - All years	Stormwater Committee	1 article/yr	2015
Meeting	Talk at Rotary meeting	Businesses, Institutions and Commercial Facilities	Stormwater Committee	40 attendees	2018
Brochure/Pamphlets	Siltation handout with building permit	Developers (construction)	Stormwater Committee/Bldg Inspector	1 per building permit	2012
None in MS4 Area		Industrial Facilities	None in Newbury MS4	N/A	
Website Messages	Brochures on septic system care	Residents - All years	Stormwater Committee/IT Dept/Board of Health	2 per year	2018
Meetings	Talk to Chamber of Commerce	Businesses, Institutions and Commercial Facilities	Stormwater Committee	50 attendees	2019
Meetings	Talk to Board of Realtors/Written message to all members	Developers (construction)	Stormwater Committee	40 attendees	2019
None in MS4 Area		Industrial Facilities	None in Newbury MS4	N/A	
Brochures/Pamphlets	Septic Systems	Residents - All years	Stormwater Committee/Board of Health	40 pamplets picked up	2020
Brochures/Pamphlets	Pet waste advice	Residents - All years	Stormwater Committee/Board of Health	Newburyport	2020
Questionnaire with prompt in tax bill	Questions re: awareness	Residents	Stormwater Committee/IT	Number returned	2018

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 2: Public Involvement and Participation

BMP Categorization	Brief BMP Description (enter your own text to override the drop down menu)	Responsible Department/Parties (enter your own text to override the drop down menu)	Additional Description/ Measurable Goal	Beginning Year of BMP Imple-mentation
Public Review	SWMP Review - Public Meeting	Stormwater Committee	Allow annual review of stormwater management plan and posting of stormwater management plan on website	2019
Public Participation	Form Stormwater task force	Stormwater Committee	Allow public to comment on stormwater management plan annually	2012
Public Review	Public Meeting for Notice of Intent	Stormwater Committee	Hold Public Meeting	2018
Public Review	Public Meeting for IDDE Program	Stormwater Committee	Hold Public Meeting	2019
Public Review	Public Meeting for Stormwater Pollution Prevention Plan	tSormwater Committee	Hold Public Meeting	2020
Public Review	Annual Report to public televised Selectmen's meeting	Stormwater Committee	Report Annually	2019

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 3: Illicit Discharge Detection and Elimination (IDDE)

BMP Categorization (enter your own text to override the drop down menu)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Imple-mentation
SSO inventory - N/A - No SSO's	Develop SSO inventory in accordance of permit conditions	N/A	Complete within 1 year of effective date of permit	N/A
Storm sewer system map - Add piping materials, manholes, and conditions to existing map. Convert completed paper map to digital.	Create map and update during IDDE program completion	Stormwater Committee	Update map within 2 years of effective date of permit and complete full system map 10 years after effective date of permit	2020
Written IDDE program20	Create written IDDE program	Stormwater Commitee	Complete within 1 year of the effective date of permit and update as required	2019
Implement IDDE program	Implement catchment investigations according to program and permit conditions	Stormwater Committee/DPW	Complete 10 years after effective date of permit	2020
Employee training - Have started training for samplers. Will update annually.	Train employees on IDDE implementation	Stormwater Committee/DPW	Train annually	2018
Conduct dry weather screening - first pass is complete - will be ongoing processs	Conduct in accordance with outfall screening procedure and permit conditions	Stormwater Committee/DPW	Complete 3 years after effective date of permit	2021
Conduct wet weather screening - No SVP's. Wet weather screening required only where visual screening indicates need.	Conduct in accordance with outfall screening procedure	Stormwater Committee/DPW	Complete 10 years after effective date of permit	2018
Ongoing screening	Conduct dry weather and wet weather screening (as necessary)	Stormwater Committee/DPW	Complete ongoing outfall screening upon completion of IDDE program	2023
Outfall priority screening	Written Procedure	Stormwater Committee	Complete by 6-30-19	2019
Catchment investigation procedure	Written Procedure	Stormwater Committee	Complete by 12-31-19	2018
Map Update		Stormwater Committee	Paper Map	2020

Problem outfall investigation starts	Field Testing	Stormwater Committee/DPW	Start by 6-30-20	2019
Problem outfall investigation complete	Field Testing	Stormwater Committee/DPW	Complete by 6-30-25	2024
High/Low Priority outfall investigations complete	Field Testing	Stormwater Committee	Complete by 6-30-28	2028
Complete Electronic Map	Field Verification	Stormwater Committee	Complete by 6-30-28	2028

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 4: Construction Site Stormwater Runoff Control

BMP Categorization (enter your own text to override the drop down menu or entered text)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Implementation
Site inspection and enforcement of Erosion and Sediment Control (ESC) measures	Complete written procedures of site inspections and enforcement procedures	Conservation Committee/Stormwater Committee	Complete within 1 year of the effective date of permit	2019
Site plan review	Complete written procedures of site plan review and begin implementation	Complete	Complete within 1 year of the effective date of permit	2013
Erosion and Sediment Control	Adoption of requirements for construction operators to implement a sediment and erosion control program	Complete	Complete within 1 year of the effective date of permit	2019
Waste Control	Adoption of requirements to control wastes, including but not limited to, discarded building materials, concrete truck wash out, chemicals, litter, and sanitary wastes	Stormwater Committee	Complete within 1 year of the effective date of permit	2019

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 5: Post-Construction Stormwater Management in New Development and Redevelopment

BMP Categorization (enter your own text to override the drop down menu or entered text)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Implementation
As-built plans for on-site stormwater control	The procedures to require submission of as-built drawings and ensure long term operation and maintenance will be a part of the SWMP	Stormwater Committee	Require submission of as-built plans for completed projects	
Target properties to reduce impervious areas	Identify at least 5 permittee-owned properties that could be modified or retrofitted with BMPs to reduce impervious areas and update annually	Stormwater Committee	Complete 4 years after effective date of permit and report annually on retrofitted properties	
Allow green infrastructure	Develop a report assessing existing local regulations to determine the feasibility of making green infrastructure practices allowable when appropriate site conditions exist	Stormwater Committee	Complete 4 years after effective date of permit and implement recommendations of report	
Street design and parking lot guidelines	Develop a report assessing requirements that affect the creation of impervious cover. The assessment will help determine if changes to design standards for streets and parking lots can be modified to support low impact design options.	Stormwater Committee	Complete 4 years after effective date of permit and implement recommendations of report	

Ensure any stormwater controls or management practices for new development and redevelopment meet the retention or treatment requirements of the permit and all applicable requirements of the Massachusetts Stormwater Handbook	Adoption, amendment, or modification of a regulatory mechanism to meet permit requirements	Stormwater Committee	Complete 2 years after effective date of permit	

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

MCM 6: Municipal Good Housekeeping and Pollution Prevention

BMP Categorization (enter your own text to override the drop down menu or entered text)	BMP Description	Responsible Department/Parties (enter your own text to override the drop down menu)	Measurable Goal (all text can be overwritten)	Beginning Year of BMP Implementation
O&M procedures	Create written O&M procedures including all requirements contained in 2.3.7.a.ii for parks and open spaces, buildings and facilities, and vehicles and equipment	Stormwater Committee/DPW	Complete and implement 2 years after effective date of permit	2020
Inventory all permittee-owned parks and open spaces, buildings and facilities, and vehicles and equipment	Create inventory	Stormwater Committee/DPW	Complete 2 years after effective date of permit and implement annually	2020
Infrastructure O&M	Establish and implement program for repair and rehabilitation of MS4 Infrastructure	Stormwater Committee/DPW	Complete 2 years after effective date of permit	2020
Stormwater Pollution Prevention Plan (SWPPP)	Create SWPPPs for maintenance garages, transfer stations, and other waste-handling facilities	Stormwater Committee/DPW	Complete and implement 2 years after effective date of permit	2020
Catch basin cleaning	Establish schedule for catch basin cleaning such that each catch basin is no more than 50% full and clean catch basins on that schedule	DPW	Clean catch basins on established schedule and report number of catch basins cleaned and volume of material moved annually	2018
Street sweeping program	Sweep all streets and permitee-owned parking lots in accordance with permit conditions	DPW	Sweep all streets and permitee-owned parking lots once per year in the spring	2018
Road salt use optimization program	Establish and implement a program to minimize the use of road salt	DPW	Implement salt use optimization during deicing season	2018

Inspections and maitenance of stormwater treatment structures	Establish and implement inspection and maitenance procedures and frequencies	Stormwater Committee/DPW	Inspect and maintain treatment structures at least annually	2020

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Total Maximum Daily Load (TMDL) Requirements

Use the drop-down menus to select the applicable TMDL, action description to meet the TMDL requirements, and the responsible department/parties. If no options are applicable, or more than one, **enter your own text to override drop-down menus.**

Applicable TMDL	Action Description	Responsible Department/Parties (enter your own text to override the drop down menu)
N/A - NO TMDL'S		

Notice of Intent (NOI) for coverage under Small MS4 General Permit

Part III: Stormwater Management Program Summary (continued)

Actions for Meeting Requirements Related to Water Quality Limited Waters

Use the drop-down menus to select the pollutant causing the water quality limitation and enter the waterbody ID(s) experiencing excursions above water quality standards for that pollutant. In addition, if you are subject to additional requirements due to a downstream nutrient impairment (see Part 2.2.2 of the permit) select the pollutant of concern and indicate applicable waterbody IDs or write "all waterbodies" if applicable. Choose the action description from the dropdown menu and indicate the responsible party. If no options are applicable, or more than one, enter your own text to override drop-down menus.

Pollutant	Waterbody ID(s)	Action Description	Responsible Department/Parties (enter your own text to override the drop down menu)
Fecal Coliform	Parker River MA91-02	Adhere to requirements in part III of Appendix H	Stormwater Committee/DPW
Fecal Coliform	Little River 91-11	Adhere to requirements in part III of Appendix H	Stormwater Committee/DPW
Fecal Coliform	Merrimack River MA84A	Adhere to requirements in part III of Appendix H	Stormwater Committee/DPW
Enterococcus	Merrimack River MA84A	Adhere to requirements in part III of Appendix H	Stormwater Committee/DPW
Fecal Coliform	Plum Island River MA 84-27	Adhere to requirements in part III of Appendix H	Stormwater Committee/DPW

Part IV: Notes and additional information

Use the space below to indicate the part(s) of 2.2.1and 2.2.2 that you have identified as not applicable to your MS4 because you do not discharge to the impaired water body or a tributary to an impaired water body due to nitrogen or phosphorus. Provide all supporting documentation below or attach additional documents if necessary. Also, provide any additional information about your MS4 program below.

Click to add text

Part V: Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: JOHN S. O'CONNELL P.E.

Title: CHAIRMAN STORMWATER COMMITTEE

Signature: John S O'Connell

Date: 9-11-18

[To be signed according to Appendix B, Subparagraph B.11, Standard Conditions]

Note: When prompted during signing, save the document under a new file name

Northern Long-Eared Bat 4(d) Rule Streamlined Consultation Form

Federal agencies should use this form for the optional streamlined consultation framework for the northern long-eared bat (NLEB). This framework allows federal agencies to rely upon the U.S. Fish and Wildlife Service's (USFWS) January 5, 2016, intra-Service Programmatic Biological Opinion (BO) on the final 4(d) rule for the NLEB for section 7(a)(2) compliance by: (1) notifying the USFWS that an action agency will use the streamlined framework; (2) describing the project with sufficient detail to support the required determination; and (3) enabling the USFWS to track effects and determine if reinitiation of consultation is required per 50 CFR 402.16.

This form is not necessary if an agency determines that a proposed action will have no effect to the NLEB or if the USFWS has concurred in writing with an agency's determination that a proposed action may affect, but is not likely to adversely affect the NLEB (i.e., the standard informal consultation process). Actions that may cause prohibited incidental take require separate formal consultation. Providing this information does not address section 7(a)(2) compliance for any other listed species.

Information to Determine 4(d) Rule Compliance:	YES	NO
1. Does the project occur wholly outside of the WNS Zone[1]?	☐	☑
2. Have you contacted the appropriate agency[2] to determine if your project is near known hibernacula or maternity roost trees?	☑	☐
3. Could the project disturb hibernating NLEBs in a known hibernaculum?	☐	☑
4. Could the project alter the entrance or interior environment of a known hibernaculum?	☐	☑
5. Does the project remove any trees within 0.25 miles of a known hibernaculum at any time of year?	☐	☑
6. Would the project cut or destroy known occupied maternity roost trees, or any other trees within a 150-foot radius from the maternity roost tree from June 1 through July 31.	☐	☑

You are eligible to use this form if you have answered yes to question #1 **or** yes to question #2 **and** no to questions 3, 4, 5 and 6. The remainder of the form will be used by the USFWS to track our assumptions in the BO.

Agency and Applicant[3] (Name, Email, Phone No.): Newbury
John S. O'Connell johnoconnell.ces@verizon.net 978-465-2216

Project Name: MS4 General Stormwater Discharge Permit

Project Location (include coordinates if known): Various

Basic Project Description (provide narrative below or attach additional information):

A five year program, starting July 1, 2017 of public education, stormwater outfall testing and municipal clean-water practices, including planning (only) for retrofits. No BMP's are planned in listed NLEB habit or hibernaculum.

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[1] http://www.fws.gov/midwest/endangered/mammals/nleb/pdf/WNSZone.pdf
[2] See http://www.fws.gov/midwest/endangered/mammals/nleb/nhsites.html
[3] If applicable - only needed for federal actions with applicants (e.g., for a permit, etc.) who are party to the consultation.

MAILED 8-6-16

General Project Information	YES	NO
Does the project occur within 0.25 miles of a known hibernaculum?	☐	☑
Does the project occur within 150 feet of a known maternity roost tree?	☐	☑
Does the project include forest conversion[4]? (if yes, report acreage below)	☐	☑
Estimated total acres of forest conversion		
If known, estimated acres[5] of forest conversion from April 1 to October 31		
If known, estimated acres of forest conversion from June 1 to July 31[6]		
Does the project include timber harvest? (if yes, report acreage below)	☐	☑
Estimated total acres of timber harvest		
If known, estimated acres of timber harvest from April 1 to October 31		
If known, estimated acres of timber harvest from June 1 to July 31		
Does the project include prescribed fire? (if yes, report acreage below)	☐	☑
Estimated total acres of prescribed fire		
If known, estimated acres of prescribed fire from April 1 to October 31		
If known, estimated acres of prescribed fire from June 1 to July 31		
Does the project install new wind turbines? (if yes, report capacity in MW below)	☐	☑
Estimated wind capacity (MW)		

Agency Determination:

By signing this form, the action agency determines that this project may affect the NLEB, but that any resulting incidental take of the NLEB is not prohibited by the final 4(d) rule.

If the USFWS does not respond within 30 days from submittal of this form, the action agency may presume that its determination is informed by the best available information and that its project responsibilities under 7(a)(2) with respect to the NLEB are fulfilled through the USFWS January 5, 2016, Programmatic BO. The action agency will update this determination annually for multi-year activities.

The action agency understands that the USFWS presumes that all activities are implemented as described herein. The action agency will promptly report any departures from the described activities to the appropriate USFWS Field Office. The action agency will provide the appropriate USFWS Field Office with the results of any surveys conducted for the NLEB. Involved parties will promptly notify the appropriate USFWS Field Office upon finding a dead, injured, or sick NLEB.

Signature: _____ Date Submitted: 8/31/16

[4] Any activity that temporarily or permanently removes suitable forested habitat, including, but not limited to, tree removal from development, energy production and transmission, mining, agriculture, etc. (see page 48 of the BO).
[5] If the project removes less than 10 trees and the acreage is unknown, report the acreage as less than 0.1 acre.
[6] If the activity includes tree clearing in June and July, also include those acreage in April to October.

John O'Connell

From: "vonOettingen, Susi" <susi_vonoettingen@fws.gov>
Date: Monday, June 13, 2016 7:54 AM
To: "John O'Connell" <johnoconnell.ces@verizon.net>
Subject: Re: Section 7 Consultation

Looks perfect! Thank you!

If you want to send me the final for my records you can consider the consultation done since I've already reviewed your document - and found everything to be in compliance with the 4(d) rule. No need to wait 30 days.

Susi

****

Susi von Oettingen
Endangered Species Biologist
New England Field Office
70 Commercial Street, Suite 300
Concord, NH 03301
(W) 603-223-2541 ext. 6418
Please note my new extension.

www.fws.gov/newengland

On Thu, Jun 9, 2016 at 4:03 PM, John O'Connell <johnoconnell.ces@verizon.net> wrote:

Susi: Thank you for your e-mail of May 12, and the advice. I have enclosed a rough draft of the completed form, and would appreciate it if you would have a look and advise if I have done something stupid,

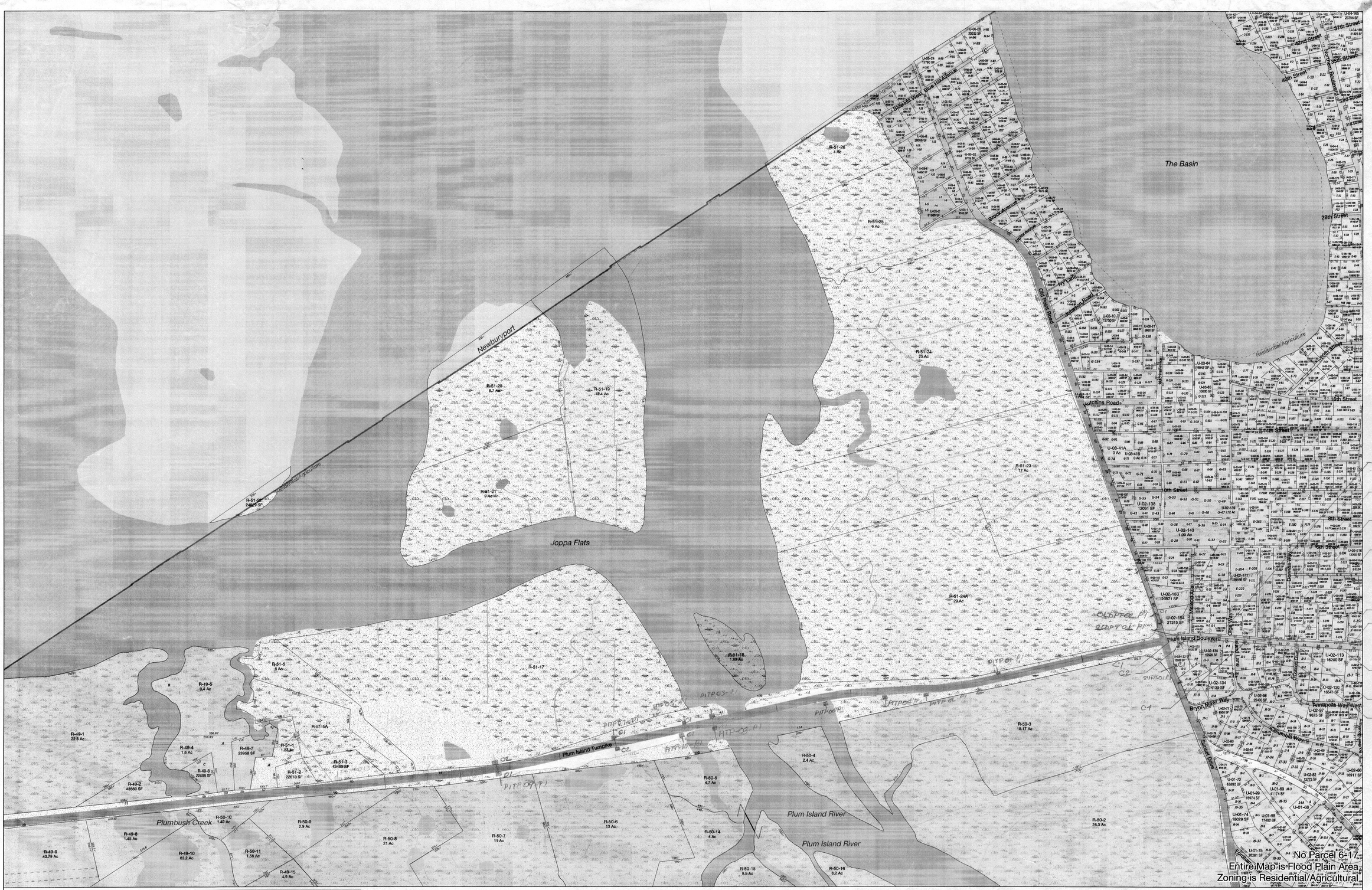
At present we are not planning anything physical in the habitat or hibernculum of the NLEB. Should this change, I assume we are to contact you again for consultation.

It is my understanding that Mr. NLEB is the only critter to be concerned about. I say this because various documents, which I assume to be outdated, mention other birds and fish.

Thank you very much for your help. We are trying to beat the rush,as you approval is not required for USEPA purposes until September of 2017.

Thank you again, John

John S. O'Connell P.E.
Chairman, Stormwater Committee
Town of Newbury, Massachusetts


Newburyport
Joppa Flats
The Basin
Plum Island Turnpike
Plumbush Creek
Plum Island River
Plum Island River
Plum Island Boulevard
Residential/Agricultural
Residential/Agricultural
Old Point Road
Hutchins Road
Bayberry Lane
Bryar Manor Way
Pinewood Way West
Pinewood Way
Sunset Drive
Ocean Boulevard
Atlantic Avenue
Blue Hill Avenue
Broad Avenue
Joppa Flats Road
Merrimac Street
Water Street
Ocean Avenue
Northern Boulevard
37th Street
36th Street
35th Street
34th Street
33rd Street
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5th Street
R-51-26 4 Ac
R-51-25 6 Ac
R-51-24 25 Ac
R-51-23 17 Ac
R-51-24A 29 Ac
R-51-22 24,000 SF
R-51-21 9 Ac
R-51-20 8.7 Ac
R-51-19 12.4 Ac
R-51-18 1.53 Ac
R-51-17
R-51-5A
R-51-5 8 Ac
R-51-3 63485 SF
R-51-2 22613 SF
R-51-1 1.22 Ac
R-49-1 229 Ac
R-49-2 43560 SF
R-49-3 22898 SF
R-49-4 1.8 Ac
R-49-5 3.4 Ac
R-49-7 23958 SF
R-49-8 1.49 Ac
R-49-9 43.79 Ac
R-49-10 63.2 Ac
R-49-15 4.9 Ac
R-50-2 26.3 Ac
R-50-3 18.17 Ac
R-50-4 2.4 Ac
R-50-5 4.7 Ac
R-50-6 13 Ac
R-50-7 11 Ac
R-50-8 21 Ac
R-50-9 2.9 Ac
R-50-10 1.49 Ac
R-50-11 1.58 Ac
R-50-14 4 Ac
R-50-15 9.5 Ac
R-50-16 6.2 Ac
U-01-72 16890 SF
U-01-74 18029 SF
U-01-75 9081 SF
U-01-88 17402 SF
U-01-89 41174 SF
U-01-99 19914 SF
U-02-97 9675 SF
U-02-99 16917 SF
U-02-113 16200 SF
U-02-120 16541 SF
U-02-130 5908 SF
U-02-134 14139 SF
U-02-138 12091 SF
U-02-143 1.09 Ac
U-02-153 20871 SF
U-02-154 21315 SF
U-03-11A 0 Ac
U-03-41B 0 Ac
U-03-64 20043 SF
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U-03-61 3602 SF
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U-04-169 21401 SF
U-05-24 27790 SF
U-05-26 25039 SF
U-05-52 14015 SF
U-05-79 13557 SF
U-05-80 14027 SF
U-06-8 28048 SF
U-06-54 14482 SF
U-05-2 91389 SF
U-05-1 8055 SF
U-06-77 7790 SF
U-06-78 7790 SF
U-06-79 7790 SF
U-06-80 7790 SF
U-06-81 7790 SF
U-06-82 7790 SF
U-06-83 7790 SF
U-06-84 7790 SF
U-06-85 7790 SF
U-06-86 7790 SF
U-06-87 7790 SF
U-06-88 7790 SF
U-06-89 7790 SF

KINGSFORD ST OUTFALLS ?

OAK OI M

FTB NEWBURYPORT SEWER SYSTEM

SOPOIL

MROIL

Newburyport Turnpike

Rolfe Lane

Hale Street

Parker Street

Green Street

Hunter Street

Merrimac Line

Middle Road

Poorfarm Road

Residential/Agriculture

Upper Green Meadow District

No Parcel 7, 30, 32, 33
Zoning is Residential/Agricultural

OUTFALL (?)

MERRIMAC R.F. PARCEL S.?

4 OUTFALLS
22 CATCH BASINS
1 CONNECTION TO CITY OF NEWBURYPORT SYSTEM

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Merrimack Valley Planning Commission
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Path: J:\ArcGIS\Newbury\NewburyAssessorMap_28x36.mxd

Notes
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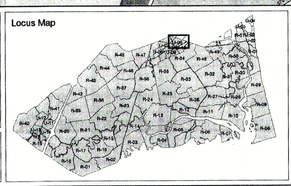
Locus Map



Current as of January 1, 2010

Town of Newbury
Property Parcel Maps FY2011

N W E S

Scale: 1:1,200 1 inch = 100 feet
200 100 0 200 Feet

NEWBURY, MASS. MERRIMACK INCORPORATED MAY 6 1635

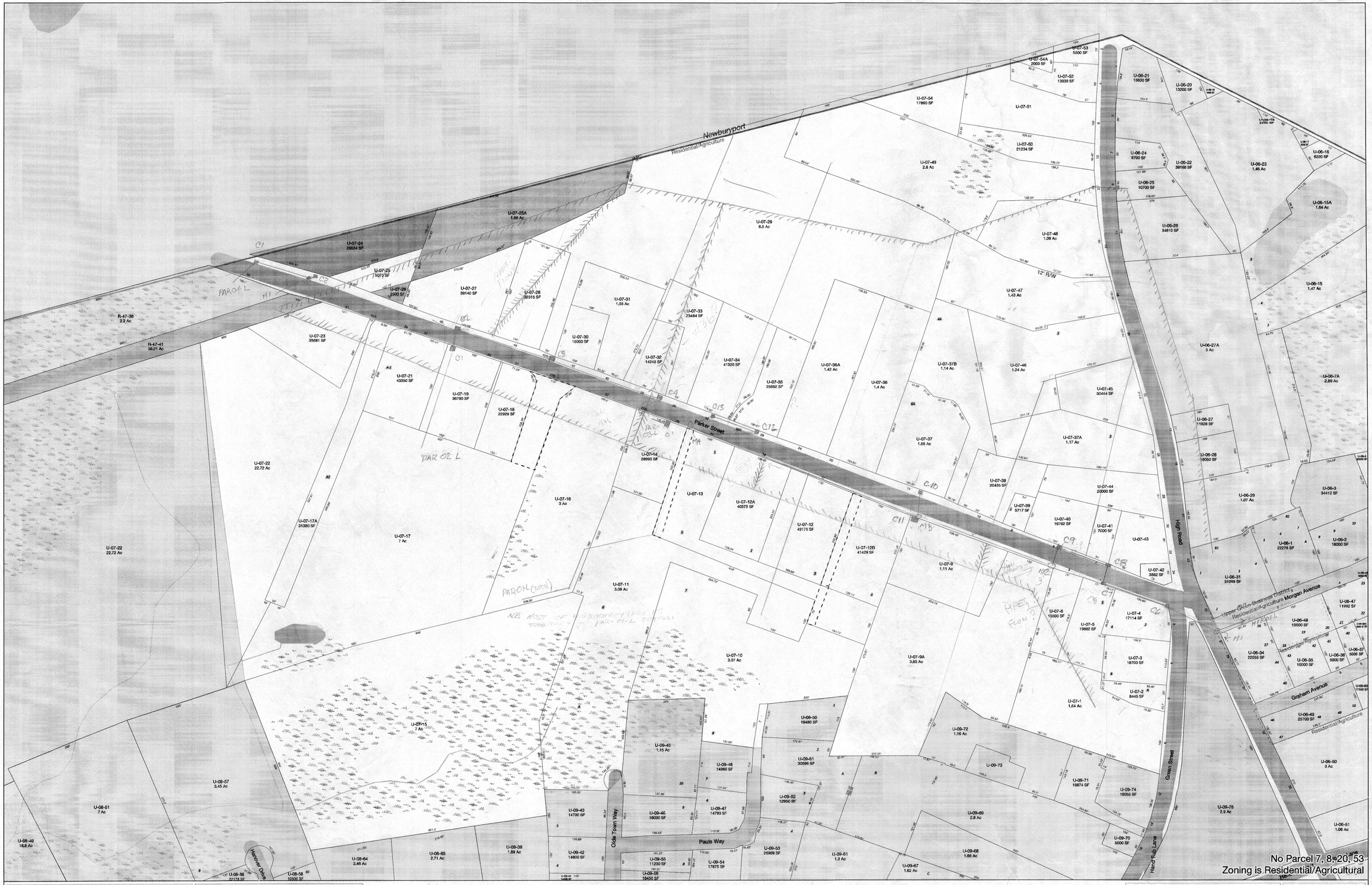
Legend

- Town Boundary
- Property Parcels
- Interstate
- Road
- Hydrographic Feature
- Perennial Stream
- Intermittent Stream
- Wetlands
- 100-Year Floodplain
- Water Betterment Area
- Builder Lot Number
- Precincts
- Zoning District Boundary
- Easements
- ConservationRestriction

Exempt Lands
- Federal
- State
- Municipal

1 - B

Map U-06



Merrimack Valley Planning Commission

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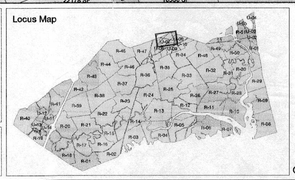


Current as of January 1, 2010

Town of Newbury
Property Parcel Maps FY2011

N W E S

Scale: 1:1,200 1 inch = 100 feet

200 100 0 200 Feet

3 OUTFALLS
13 CATCH BASINS

NEWBURY, MASS. MESSACUCK PARKER RIVER INCORPORATED MAY 6, 1635

Legend

- Town Boundary
- Property Parcels
- Interstate
- Road
- Hydrographic Feature
- Perennial Stream
- Intermittent Stream
- Wetlands
- 100-Year Floodplain
- Water Betterment Area
- Builder Lot Number
- Precincts
- Zoning District Boundary
- Easements
- ConservationRestriction

Exempt Lands
- Federal
- State
- Municipal

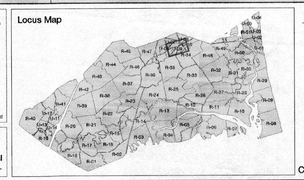
1 - 0

Map U-07



Merrimack Valley Planning Commission

Locus Map



OUTFALL ?
PAUL'S WAY

Town of Newbury
Property Parcel Maps FY2011

8 OUTFALLS
18 CATCH BASINS 16

Scale: 1:1,200 1 inch = 100 feet

200 100 0 200 Feet

Current as of January 1, 2010

NEWBURY, MASS. INCORPORATED MAY 6, 1635

Legend

- Town Boundary
- Property Parcels
- Interstate
- Road
- Hydrographic Feature
- Perennial Stream
- Intermittent Stream
- Wetlands
- 100-Year Floodplain
- Water Betterment Area
- Builder Lot Number
- Precincts
- Zoning District Boundary
- Easements
- ConservationRestriction
- Exempt Lands
- Federal
- State
- Municipal

1 - D

Map U-09

REV 1 6-13-11

Notes

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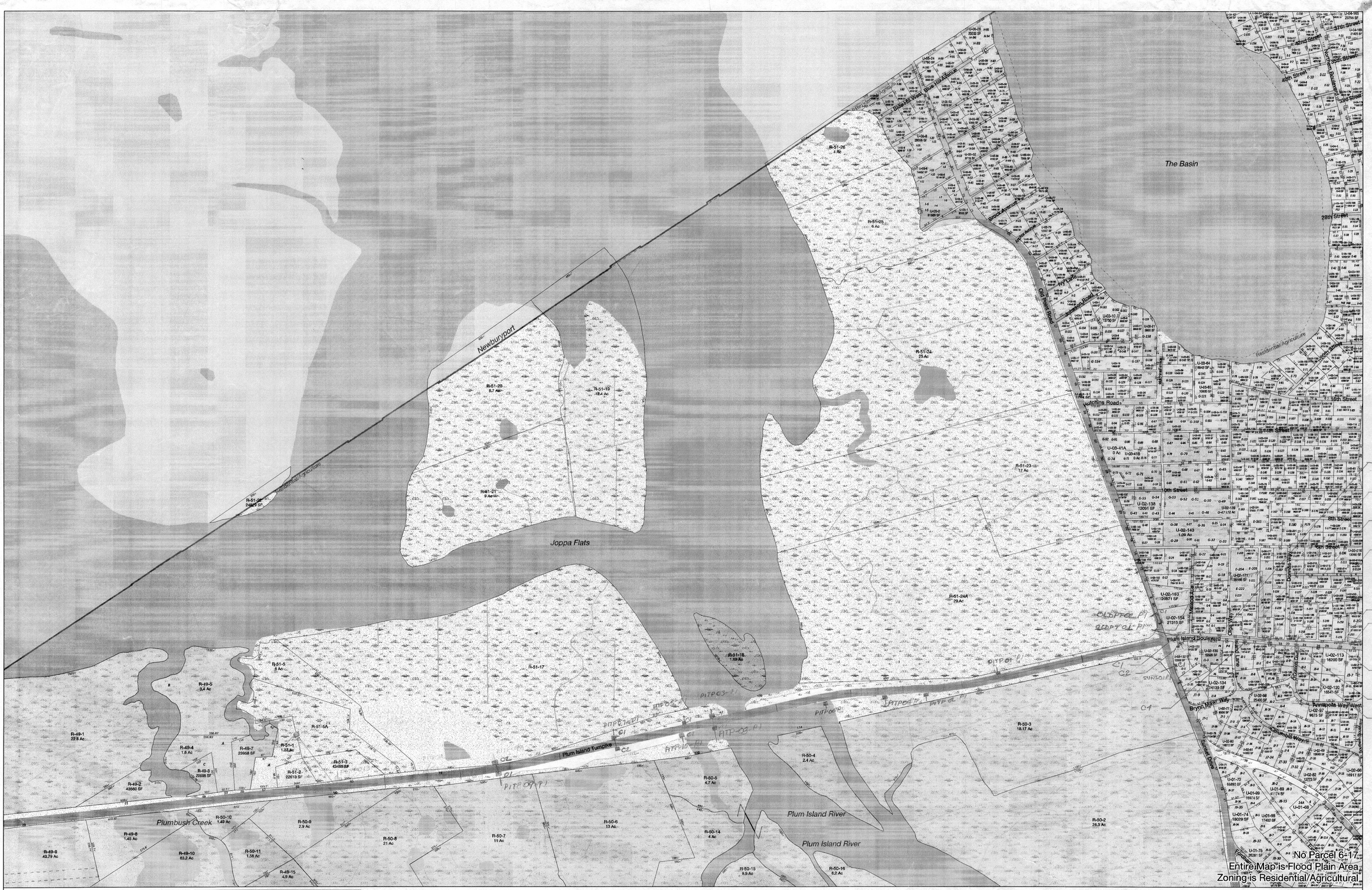
Newburyport
Joppa Flats
The Basin
Plum Island Turnpike
Plumbush Creek
Plum Island River
Plum Island River
Plum Island Boulevard
Residential/Agricultural
Residential/Agricultural
Old Point Road
Hutchins Road
Bayberry Lane
Bryar Manor Way
Pinewood Way West
Pinewood Way
Sunset Drive
Ocean Boulevard
Atlantic Avenue
Blue Hill Avenue
Broad Avenue
Joppa Flats Road
Merrimac Street
Water Street
Ocean Avenue
Northern Boulevard
37th Street
36th Street
35th Street
34th Street
33rd Street
32nd Street
31st Street
30th Street
29th Street
28th Street
27th Street
26th Street
25th Street
24th Street
23rd Street
22nd Street
21st Street
20th Street
19th Street
18th Street
17th Street
16th Street
15th Street
14th Street
13th Street
12th Street
11th Street
10th Street
9th Street
8th Street
7th Street
6th Street
5th Street
R-51-26 4 Ac
R-51-25 6 Ac
R-51-24 25 Ac
R-51-23 17 Ac
R-51-24A 29 Ac
R-51-22 24,000 SF
R-51-21 9 Ac
R-51-20 8.7 Ac
R-51-19 12.4 Ac
R-51-18 1.53 Ac
R-51-17
R-51-5A
R-51-5 8 Ac
R-51-3 63485 SF
R-51-2 22613 SF
R-51-1 1.22 Ac
R-49-1 229 Ac
R-49-2 43560 SF
R-49-3 22898 SF
R-49-4 1.8 Ac
R-49-5 3.4 Ac
R-49-7 23958 SF
R-49-8 1.49 Ac
R-49-9 43.79 Ac
R-49-10 63.2 Ac
R-49-15 4.9 Ac
R-50-2 26.3 Ac
R-50-3 18.17 Ac
R-50-4 2.4 Ac
R-50-5 4.7 Ac
R-50-6 13 Ac
R-50-7 11 Ac
R-50-8 21 Ac
R-50-9 2.9 Ac
R-50-10 1.49 Ac
R-50-11 1.58 Ac
R-50-14 4 Ac
R-50-15 9.5 Ac
R-50-16 6.2 Ac
U-01-72 16890 SF
U-01-74 18029 SF
U-01-75 9081 SF
U-01-88 17402 SF
U-01-89 41174 SF
U-01-99 19914 SF
U-02-97 9675 SF
U-02-99 16917 SF
U-02-113 16200 SF
U-02-120 16541 SF
U-02-130 5908 SF
U-02-134 14139 SF
U-02-138 12091 SF
U-02-143 1.09 Ac
U-02-153 20871 SF
U-02-154 21315 SF
U-03-11A 0 Ac
U-03-41B 0 Ac
U-03-64 20043 SF
U-03-65 33600 SF
U-03-10 13750 SF
U-03-61 3602 SF
U-04-165 23759 SF
U-04-169 21401 SF
U-05-24 27790 SF
U-05-26 25039 SF
U-05-52 14015 SF
U-05-79 13557 SF
U-05-80 14027 SF
U-06-8 28048 SF
U-06-54 14482 SF
U-05-2 91389 SF
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U-06-85 7790 SF
U-06-86 7790 SF
U-06-87 7790 SF
U-06-88 7790 SF
U-06-89 7790 SF

KINGSFORD ST OUTFALLS ?

OAK OI M

FTB NEWBURYPORT SEWER SYSTEM

SOPOIL

MROIL

Newburyport Turnpike

Rolfe Lane

Hale Street

Parker Street

Green Street

Hunter Street

Merrimac Line

Middle Road

Poorfarm Road

Residential/Agriculture

Upper Green Meadow District

No Parcel 7, 30, 32, 33
Zoning is Residential/Agricultural

OUTFALL (?)

MERRIMAC R.F. PARCEL S.?

4 OUTFALLS
22 CATCH BASINS
1 CONNECTION TO CITY OF NEWBURYPORT SYSTEM

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Merrimack Valley Planning Commission
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Path: J:\ArcGIS\Newbury\NewburyAssessorMap_28x36.mxd

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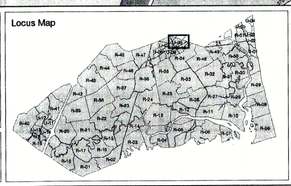
Locus Map



Current as of January 1, 2010

Town of Newbury
Property Parcel Maps FY2011

N W E S

Scale: 1:1,200 1 inch = 100 feet
200 100 0 200 Feet

NEWBURY, MASS. MERRIMACK INCORPORATED MAY 6 1635

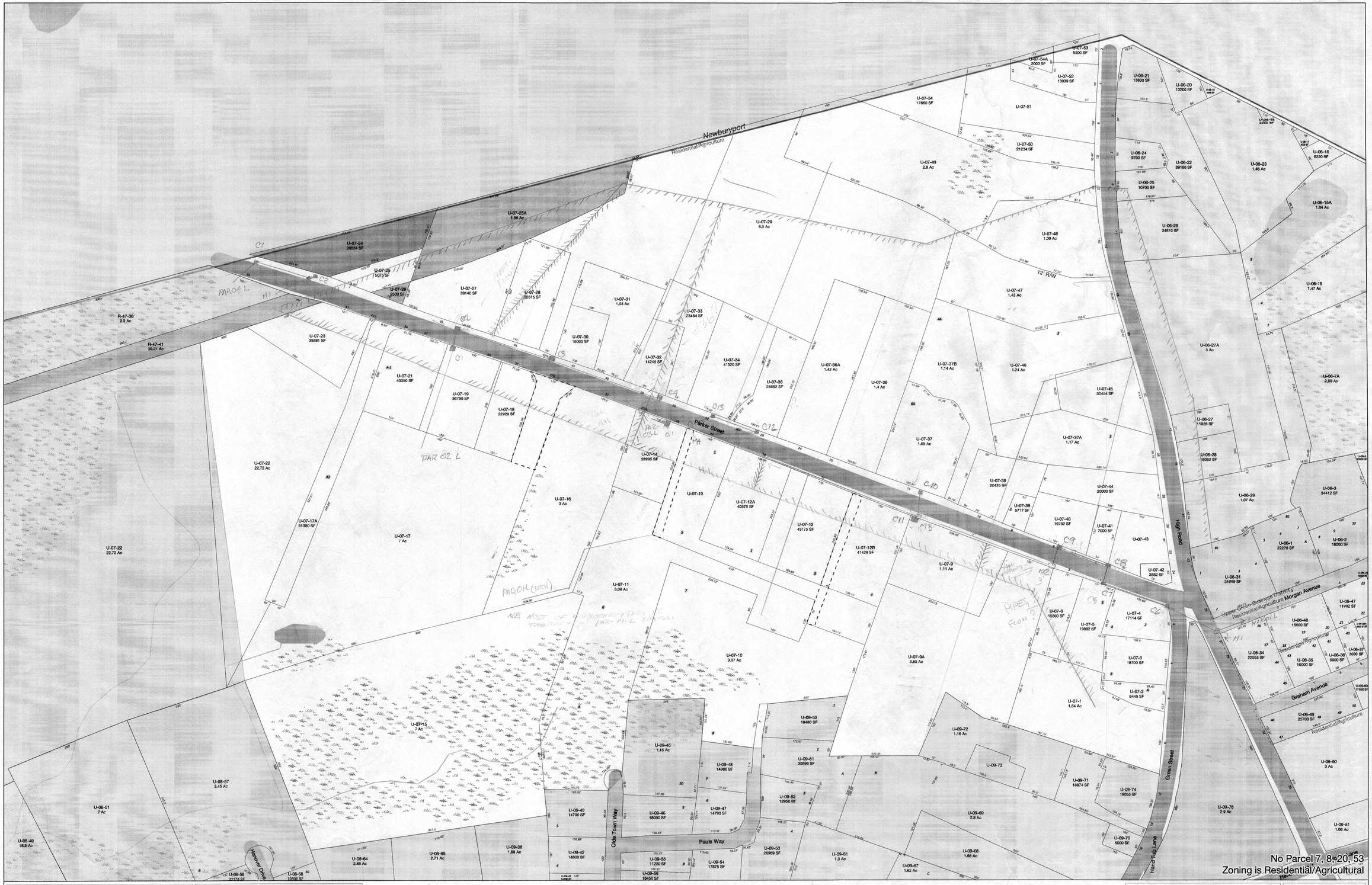
Legend

- Town Boundary
- Property Parcels
- Interstate
- Road
- Hydrographic Feature
- Perennial Stream
- Intermittent Stream
- Wetlands
- 100-Year Floodplain
- Water Betterment Area
- Builder Lot Number
- Precincts
- Zoning District Boundary
- Easements
- ConservationRestriction

Exempt Lands
- Federal
- State
- Municipal

1 - B

Map U-06



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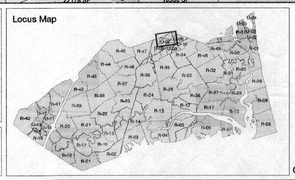

Current as of January 1, 2010

Town of Newbury
Property Parcel Maps FY2011

N W E S

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3 OUTFALLS
13 CATCH BASINS

NEWBURY, MASS. MESSACUCK PARKER RIVER INCORPORATED MAY 6, 1635

Legend

- Town Boundary
- Property Parcels
- Interstate
- Road
- Hydrographic Feature
- Perennial Stream
- Intermittent Stream
- Wetlands
- 100-Year Floodplain
- Water Betterment Area
- Builder Lot Number
- Precincts
- Zoning District Boundary
- Easements
- ConservationRestriction

Exempt Lands
- Federal
- State
- Municipal

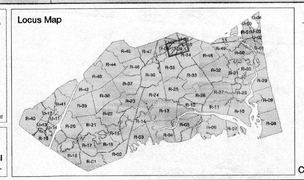
1 - 0

Map U-07



Merrimack Valley Planning Commission

Locus Map



OUTFALL ?
PAUL'S WAY

Town of Newbury
Property Parcel Maps FY2011

8 OUTFALLS
18 CATCH BASINS 16

Scale: 1:1,200 1 inch = 100 feet

200 100 0 200 Feet

Current as of January 1, 2010

NEWBURY, MASS. INCORPORATED MAY 6, 1635

Legend

- Town Boundary
- Property Parcels
- Interstate
- Road
- Hydrographic Feature
- Perennial Stream
- Intermittent Stream
- Wetlands
- 100-Year Floodplain
- Water Betterment Area
- Builder Lot Number
- Precincts
- Zoning District Boundary
- Easements
- ConservationRestriction
- Exempt Lands
- Federal
- State
- Municipal

Map U-09

REV 1 6-13-11

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Town of Newbury
Property Parcel Maps FY2011

Zoning is Resdiential/Agricultural

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Merrimack Valley Planning Commission
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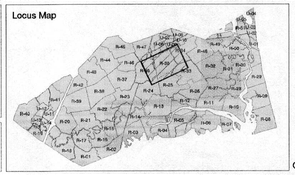

Current as of January 1, 2010

Scale: 1:2,400 1 inch = 200 feet

200 100 0 200 400 600 Feet

3 OUTFALLS
5 CATCH BASINS

NEWBURY, MASS
INCORPORATED MAY 6, 1635

Legend

- Town Boundary
- Property Parcels
- Interstate
- Road
- Hydrographic Feature
- Perennial Stream
- Intermittent Stream
- Wetlands
- 100-Year Floodplain
- Water Betterment Area
- Builder Lot Number
- Precincts
- Zoning District Boundary
- Easements
- ConservationRestriction
- Exempt Lands
- Federal
- State
- Municipal

1-E

Map R-35



Merrimack Valley Planning Commission
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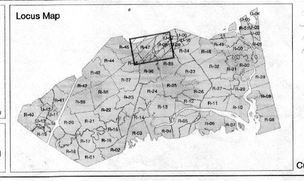

Current as of January 1, 2010

Town of Newbury
Property Parcel Maps FY2011

8 OUTFALLS
15 CATCH BASINS

Scale: 1:2,400 1 inch = 200 feet
200 100 0 200 400 600 Feet

NEWBURY, MASS. WESSACUCON PARKER RIVER INCORPORATED MAY 6, 1635

Legend
- Town Boundary
- Property Parcels
- Interstate
- Road
- Hydrographic Feature
- Perennial Stream
- Intermittent Stream
- Wetlands
- 100-Year Floodplain
- Water Betterment Area
- Builder Lot Number
- Precincts
- Zoning District Boundary
- Easements
- ConservationRestriction
- Exempt Lands
- Federal
- State
- Municipal

1-F

Map R-47

Town of Newbury
Property Parcel Maps FY2011

Zoning is Resdiential/Agricultural

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Merrimack Valley Planning Commission
plan • develop • preserve

Path: J:\ArcGIS\Newbury\NewburyAssessorsMap_26x36.mxd

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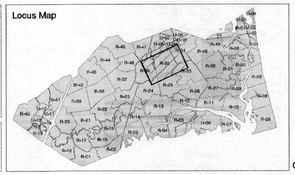
Locus Map



Current as of January 1, 2010

Scale: 1:2,400 1 inch = 200 feet

200 100 0 200 400 600 Feet

3 OUTFALLS
5 CATCH BASINS

NEWBURY, MASS
INCORPORATED MAY 6, 1635

Legend

- Town Boundary
- Property Parcels
- Interstate
- Road
- Hydrographic Feature
- Perennial Stream
- Intermittent Stream
- Wetlands
- 100-Year Floodplain
- Water Betterment Area
- Builder Lot Number
- Precincts
- Zoning District Boundary
- Easements
- ConservationRestriction
- Exempt Lands
- Federal
- State
- Municipal

1-E

Map R-35



Merrimack Valley Planning Commission
plan • develop • promote

Notes
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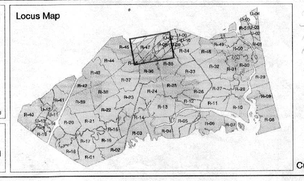


Current as of January 1, 2010

Town of Newbury
Property Parcel Maps FY2011

8 OUTFALLS
15 CATCH BASINS

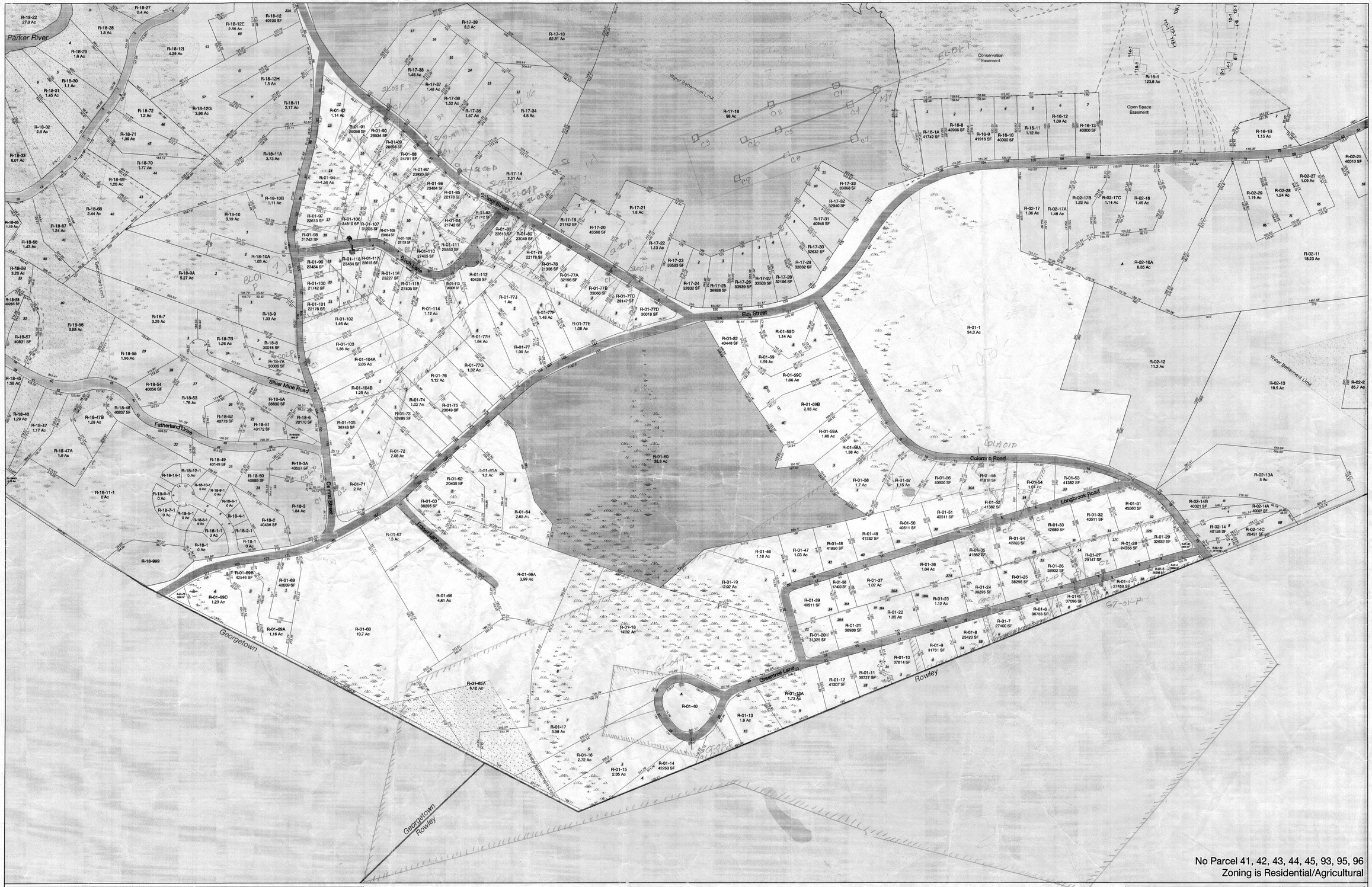
Scale: 1:2,400 1 inch = 200 feet
200 100 0 200 400 600 Feet

NEWBURY, MASS. WESSACUCON PARKER RIVER INCORPORATED MAY 6, 1635

Legend
- Town Boundary
- Property Parcels
- Interstate
- Road
- Hydrographic Feature
- Perennial Stream
- Intermittent Stream
- Wetlands
- 100-Year Floodplain
- Water Betterment Area
- Builder Lot Number
- Precincts
- Zoning District Boundary
- Easements
- ConservationRestriction
- Exempt Lands
- Federal
- State
- Municipal

1-F

Map R-47

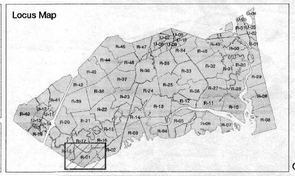


No Parcel 41, 42, 43, 44, 45, 93, 95, 96
Zoning is Residential/Agricultural

Merrimack Valley Planning Commission
plan • develop • promote

Path: J:\ArcGIS\Newbury\NewburyAssessorMap_26x36.mxd

Locus Map



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Current as of January 1, 2010

Town of Newbury
Property Parcel Maps FY2011

N W E S

Scale: 1:2,400 1 inch = 200 feet
200 100 0 200 400 600 Feet

20 OUTFALLS 28
53 CATCH BASINS 87

TOPOGRAPHY IS TOO GRADUAL FOR TAKING TRIBUTARY AREAS FROM USGS MAPS

NEWBURY, MASS. WESSACUCON PARKER RIVER INCORPORATED MAY 6, 1635

Legend
- Town Boundary
- Property Parcels
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- Zoning District Boundary
- Easements
- ConservationRestriction
- Exempt Lands
- Federal
- State
- Municipal

2-A

Map R-01



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Merrimack Valley Planning Commission
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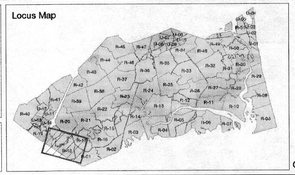
Path: J:\ArcGIS\Newbury\NewburyAssessorMap_26x36.mxd

Locus Map



Notes
For assessment purposes only, not for property conveyances.
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Current as of January 1, 2010

Town of Newbury
Property Parcel Maps FY2011

Scale: 1:2,400 1 inch = 200 feet
200 100 0 200 400 600 Feet

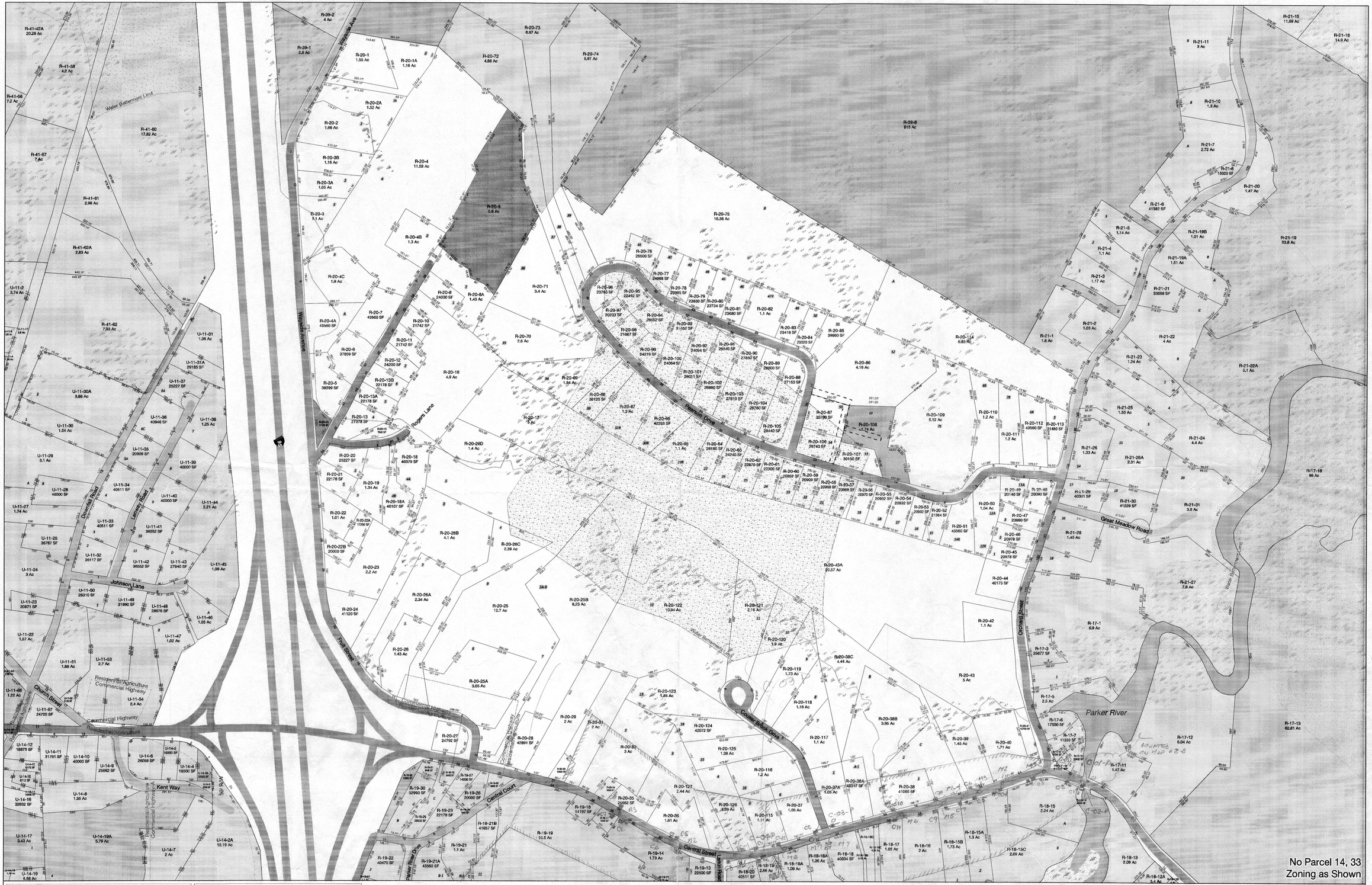
14 OUTFALLS
47 CATCH BASINS

NEWBURY, MASS. INCORPORATED MAY 6, 1635

Legend
- Town Boundary
- Property Parcels
- Interstate
- Road
- Hydrographic Feature
- Perennial Stream
- Intermittent Stream
- Wetlands
- 100-Year Floodplain
- Water Betterment Area
- Builder Lot Number
- Precincts
- Zoning District Boundary
- Easements
- ConservationRestriction
- Exempt Lands
- Federal
- State
- Municipal

2-B

Map R-18



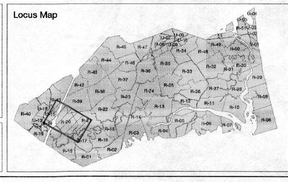
No Parcel 14, 33
Zoning as Shown

Town of Newbury
Property Parcel Maps FY2011

Scale: 1:2,400 1 inch = 200 feet
200 100 0 200 400 600 Feet

Current as of January 1, 2010

Locus Map



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Legend
- Town Boundary
- Property Parcels
- Interstate
- Road
- Hydrographic Feature
- Perennial Stream
- Intermittent Stream
- Wetlands
- 100-Year Floodplain
- Water Betterment Area
- Builder Lot Number
- Precincts
- Zoning District Boundary
- Easements
- ConservationRestriction

Exempt Lands
- Federal
- State
- Municipal

NEWBURY, MASS. MDCCLXXXV INCORPORATED MAY 6, 1635

Map R-20



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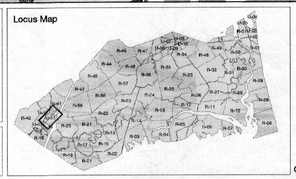
Locus Map



Current as of January 1, 2010

Town of Newbury
Property Parcel Maps FY2011

Scale: 1:1,200 1 inch = 100 feet
200 100 0 200 Feet

1 OUTFALL STRAIN
2 CATCH BASINS

NEWBURY, MASS. WESSACUCON PARKER RIVER INCORPORATED MAY 6, 1635

Legend
- Town Boundary
- Property Parcels
- Interstate
- Road
- Hydrographic Feature
- Perennial Stream
- Intermittent Stream
- Wetlands
- 100-Year Floodplain
- Water Betterment Area
- Builder Lot Number
- Precincts
- Zoning District Boundary
- Easements
- ConservationRestriction

Exempt Lands
- Federal
- State
- Municipal

2D

Map U-11



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Merrimack Valley Planning Commission

Path: J:\ArcGIS\Newbury\NewburyAssessorMap_26x36.mxd

Notes

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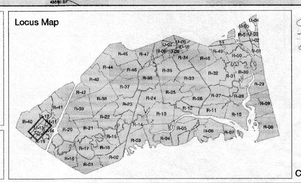
Locus Map



Current as of January 1, 2010

OUTFALL ?
@ 3 MAIN ST

Town of Newbury
Property Parcel Maps FY2011

Scale: 1:1,200 1 inch = 100 feet
200 100 0 200 Feet

5 OUTFALLS
36 CATCH BASINS

NEWBURY, MASS.
MASSACHUSETTS
INCORPORATED MAY 6, 1635

Legend

- Town Boundary
- Property Parcels
- Interstate
- Road
- Hydrographic Feature
- Perennial Stream
- Intermittent Stream
- Wetlands
- 100-Year Floodplain
- Water Betterment Area
- Builder Lot Number
- Precincts
- Zoning District Boundary
- Easements
- ConservationRestriction

Exempt Lands
- Federal
- State
- Municipal

2-E

Map U-13



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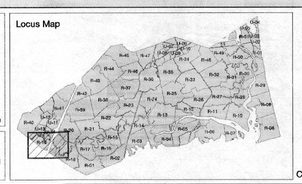
Locus Map



OUTFALL ?
WEST ST
KNOB HILL/RIVER ST/MAIN ST
CHUTE RD
PARKER RIVER DRIVE/CENTRAL COURT

Town of Newbury
Property Parcel Maps FY2011

12 OUTFALLS
23 CATCH BASINS

Scale: 1:2,400 1 inch = 200 feet

200 100 0 200 400 600 Feet

Current as of January 1, 2010

NEWBURY, MASS. MESSACUCOY PARKER RIVER INCORPORATED MAY 6, 1635

Legend

- Town Boundary
- Property Parcels
- Interstate
- Road
- Hydrographic Feature
- Perennial Stream
- Intermittent Stream
- Wetlands
- 100-Year Floodplain
- Water Betterment Area
- Builder Lot Number
- Precincts
- Zoning District Boundary
- Easements
- ConservationRestriction
- Exempt Lands
- Federal
- State
- Municipal

2-F

Map R-19

Notes

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From: John O"Connell
To: Vuto, Michelle; asstadmin@townofnewbury.org; Town Administrator; Highway DPW
Subject: Re: Small MS4 NOI submission - additional or corrected information required
Date: Friday, April 19, 2019 11:01:38 AM

Michelle:
I apologize for the fact that you had to follow up with your request for information. My answer did indeed get lost in the shuffle, but that is no excuse.

The responses are as follows:

IDDE MCM: Newbury has no SSO's. Should one ever occur, the Stormwater Committee will be responsible for developing an inventory.

Construction MCM: The Planning Board is responsible for implementing site plan review. The Stormwater Committee may request changes to the Rules and Regulations in the future,and the Planning Board is responsible for implementing them. The Stormwater Committee is responsible for requesting changes to the Erosion and Sediment Control By-Law and Rules and Regulations, and the Conservation Commission is responsible for implementing them. A By-Law change must, of course, be passed by Town Meeting.

Post-construction MCM: 2016 was the year that the "As-built Plans" BMP was started. All other BMP's in this MCM will be complete by 2011.

Again, I apologize for the mix-up. If there is any further information that you need, please let us know.

John S. O'Connell PE Chair, Srormwater Committee