

# **NOTICE OF INTENT**

## **SOUTH ACTON WATER TREATMENT PLANT; RAW WATER MAIN ALONG SCHOOL ST., PARKER RD., INDEPENDENCE RD. AND ASSABET CROSSING; AND REPLACEMENT WATER MAIN ALONG A PORTION OF HIGH STREET**

**SUBMITTED ON BEHALF OF:**

Acton Water District  
P.O. Box 953  
Acton, MA 01720

**SUBMITTED TO:**

Acton Conservation Commission  
472 Main Street  
Acton, MA 01720

**PREPARED BY:**

Caron Environmental Consulting  
247 Bragg Hill Road  
Westminster, MA 01473

**PROJECT ENGINEER:**

Wright-Pierce  
40 Shattuck Road; Suite 305  
Andover, Ma 01810

April 2013

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# PROJECT NARRATIVE

## Project Introduction and Overview

This Notice of Intent (NOI) is being filed by the Acton Water District in accordance with the Massachusetts Wetlands Protection Act (MAWPA) (M.G.L. Chapter 131, Section 40), and its implementing regulations (310 CMR 10.00) and the Acton Wetlands By-Law. This NOI is being filed for work within the 100-foot buffer zone from bordering vegetated wetlands and bank. In addition, work is proposed in Bordering Land Subject to Flooding and the Riverfront Area, however, all of that work will be temporary and within existing roadways.

The proposed project involves the construction of the South Acton Water Treatment Plant, the installation of a raw water main to connect the plant to the School Street wells and the replacement of the water main along a portion of High Street. The South Acton Water Treatment Plant will be constructed on the site of the existing Assabet wells and treatment facilities located off of High Street. The raw water main will be constructed beginning at the School Street wells and then along School Street, Parker Road, a short segment of Independence Road and Assabet Crossing, at which point it will connect to an existing cross-country main.

All of the work to construct the raw water main and replacement water main will occur within roadways, the driveway to the School Street wells or within the already disturbed road shoulders. No culvert replacement or alteration is proposed. Directional drilling will be utilized at culvert crossings to avoid disturbance in these areas.

## *Existing Conditions*

The site of the proposed South Acton Water Treatment Plant is an old gravel pit located off of High Street. The pit was abandoned long ago and has become naturally re-vegetated with trees, primarily white pine. The site currently contains wells, water treatment facilities and access roads.

It appears that the wetland in the vicinity of the proposed treatment plant is man-made and/or was severely altered in the past. Based on the wetland's landscape position, the surrounding topography and the soil conditions that were observed, it appears likely that this area was created as a basin as part of the past gravel removal operation. The basin may have served as a sediment trap. Given that little concern was given to controlling sedimentation at that time, it is more likely that the basin was used as part of a stone processing/washing process.

The raw and replacement water mains will be constructed within existing roadways and their shoulders. The land use along these routes is primarily single-family houses. There are also condominium developments, commercial developments, agricultural fields and small patches of woods along the routes.

The wetlands in the vicinity of the proposed water treatment plant and along the water main routes were delineated on various dates from January to April 2013.

### ***Project Impacts and Mitigation***

#### Riverfront Area:

Portions of the raw water main and replacement water main are proposed to be constructed within the Riverfront Area. None of the work for the construction of the South Acton Water Treatment Plant will take place in the Riverfront Area.

Fort Pond Brook crosses the proposed raw water main route in two locations: at the intersection of School Street and Laws Brook Road, and along Parker Road. Pratt's Brook crosses under High Street near the eastern end of the replacement water main construction.

All of the work within the Riverfront Area will take place within the road's right of ways, will be temporary and will restore conditions back to those currently existing. As the work will be confined to the roads and is for a public water supply project it appears that the project is grandfathered and exempt from the Riverfront Area regulations. The proposed work, however, is in compliance with those regulations.

#### Bordering Land Subject to Flooding:

At each of the aforementioned brook crossings the 100-year Flood Zones encompass segments of the roads. Within these areas the water mains will be installed and the roadway will be immediately restored to its original elevation. Accordingly, there will be no impact on the flood storage capacity in these areas, and the work is in compliance with the performance standards.

#### Buffer Zone:

Activities to construct the South Acton Water Treatment Plant are proposed within the 100-foot buffer zone from a bordering vegetated wetland. At the closest point, the plant itself will be located over 95 feet from the wetland. The existing access road on the site will be improved and paved, portions of the access to the proposed plant, grading and the stormwater management features will be located within the buffer zone. All disturbed surfaces will be permanently stabilized as soon as possible. Erosion control blankets are proposed on any steeply graded surfaces where indicated on the site plan. An erosion control barrier will be installed between all work and the resource area.

Stormwater management features have been incorporated into the site design. These features are detailed on the site plans and in the Stormwater Management Plan. The proposed work is in conformance with the Stormwater Policy.

In several locations both the raw and replacement water mains will be constructed within the buffer zone. In all of these locations work will take place within the roadways and shoulders and no new areas will be disturbed. All surfaces will be returned to their original topography and condition as soon as possible. Erosion control barriers, most likely straw wattles, will be installed in all of these areas.

In addition, the connection of the raw water main to the School Street facilities will take place at a location just inside of the buffer zone.



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**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.

## A. General Information

1. Project Location (**Note:** electronic filers will click on button to locate project site):

School St., High St, Parker Rd, Assabet Cross.

a. Street Address

Acton

b. City/Town

01720

c. Zip Code

Latitude and Longitude:

42 deg 26'37" N

d. Latitude

71 deg 25' 50" W

e. Longitude

H4/J3 (plus various roadways and easements)

f. Assessors Map/Plat Number

76/34

g. Parcel /Lot Number

2. Applicant:

a. First Name

Acton Water District

b. Last Name

c. Organization

693 Massachusetts Avenue; P.O. Box 953

d. Street Address

Acton

e. City/Town

MA

f. State

01720

g. Zip Code

978-263-9107

h. Phone Number

i. Fax Number

j. Email Address

3. Property owner (required if different from applicant):

Check if more than one owner

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):

Charles

a. First Name

Caron

b. Last Name

Caron Environmental Consulting

c. Company

247 Bragg Hill Road

d. Street Address

Westminster

e. City/Town

MA

f. State

01473

g. Zip Code

978-874-5469

h. Phone Number

978-874-1790

i. Fax Number

caronenv@aol.com

j. Email address

5. Total WPA Fee Paid (from NOI Wetland Fee Transmittal Form):

N/A

a. Total Fee Paid

b. State Fee Paid

c. City/Town Fee Paid



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## A. General Information (continued)

### 6. General Project Description:

The construction of the South Acton Water Treatment Plant adjacent to the existing wells and treatment facilities off of High Street, the construction of a raw water main from the School Street wells to the new plant via School Street, Parker Road, Independence Road and Assabet Crossing, and the replacement of the existing water main along a portion of High Street.

### 7a. Project Type Checklist:

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Single Family Home                | 2. <input type="checkbox"/> Residential Subdivision                   |
| 3. <input type="checkbox"/> Limited Project Driveway Crossing | 4. <input type="checkbox"/> Commercial/Industrial                     |
| 5. <input type="checkbox"/> Dock/Pier                         | 6. <input checked="" type="checkbox"/> Utilities                      |
| 7. <input type="checkbox"/> Coastal Engineering Structure     | 8. <input type="checkbox"/> Agriculture (e.g., cranberries, forestry) |
| 9. <input type="checkbox"/> Transportation                    | 10. <input type="checkbox"/> Other                                    |

### 7b. Is any portion of the proposed activity eligible to be treated as a limited project subject to 310 CMR 10.24 (coastal) or 310 CMR 10.53 (inland)?

1.  Yes  No If yes, describe which limited project applies to this project:

10.53 (3) d. \*\*There is no need to claim this status for this project.

2. Limited Project

### 8. Property recorded at the Registry of Deeds for:

Middlesex South

a. County

11816/11919

c. Book

b. Certificate # (if registered land)

511/434

d. Page Number

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

- Buffer Zone Only – Check if the project is located only in the Buffer Zone of a Bordering Vegetated Wetland, Inland Bank, or Coastal Resource Area.
- Inland Resource Areas (see 310 CMR 10.54-10.58; if not applicable, go to Section B.3, Coastal Resource Areas).

Check all that apply below. Attach narrative and any 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.

Resource Area	Size of Proposed Alteration	Proposed Replacement (if any)
a. <input type="checkbox"/> Bank	1. linear feet	2. linear feet
b. <input type="checkbox"/> Bordering Vegetated Wetland	1. square feet	2. square feet
c. <input type="checkbox"/> Land Under Waterbodies and Waterways	1. square feet 3. cubic yards dredged	2. square feet

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



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

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
d. <input checked="" type="checkbox"/> Bordering Land Subject to Flooding	1820 (temporary) 1. square feet 0 3. cubic feet of flood storage lost	0 2. square feet 0 4. cubic feet replaced
e. <input type="checkbox"/> Isolated Land Subject to Flooding	1. square feet 2. cubic feet of flood storage lost	3. cubic feet replaced
f. <input checked="" type="checkbox"/> Riverfront Area	Fort Pond Brook and Pratt's Brook 1. Name of Waterway (if available)	

2. Width of Riverfront Area (check one):

- 25 ft. - Designated Densely Developed Areas only
- 100 ft. - New agricultural projects only
- 200 ft. - All other projects

3. Total area of Riverfront Area on the site of the proposed project:

Grandfathered  
square feet \_\_\_\_\_

4. Proposed alteration of the Riverfront Area:

9100 (all within roadways)	6560	2540
a. total square feet	b. square feet within 100 ft.	c. square feet between 100 ft. and 200 ft.

5. Has an alternatives analysis been done and is it attached to this NOI?  Yes  No

6. Was the lot where the activity is proposed created prior to August 1, 1996?  Yes  No

3.  Coastal Resource Areas: (See 310 CMR 10.25-10.35)

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.

<u>Resource Area</u>	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
a. <input type="checkbox"/> Designated Port Areas	Indicate size under Land Under the Ocean, below	
b. <input type="checkbox"/> Land Under the Ocean	1. square feet 2. cubic yards dredged	
c. <input type="checkbox"/> Barrier Beach	Indicate size under Coastal Beaches and/or Coastal Dunes below	
d. <input type="checkbox"/> Coastal Beaches	1. square feet	2. cubic yards beach nourishment
e. <input type="checkbox"/> Coastal Dunes	1. square feet	2. cubic yards dune nourishment



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

	<u>Size of Proposed Alteration</u>	<u>Proposed Replacement (if any)</u>
f. <input type="checkbox"/> Coastal Banks	_____	
	1. linear feet	
g. <input type="checkbox"/> Rocky Intertidal Shores	_____	
	1. square feet	
h. <input type="checkbox"/> Salt Marshes	_____	_____
	1. square feet	2. sq ft restoration, rehab., creation
i. <input type="checkbox"/> Land Under Salt Ponds	_____	
	1. square feet	
	_____	
	2. cubic yards dredged	
j. <input type="checkbox"/> Land Containing Shellfish	_____	
	1. square feet	
k. <input type="checkbox"/> Fish Runs	Indicate size under Coastal Banks, inland Bank, Land Under the Ocean, and/or inland Land Under Waterbodies and Waterways, above	
	_____	
	1. cubic yards dredged	
l. <input type="checkbox"/> Land Subject to Coastal Storm Flowage	_____	
	1. square feet	
4. <input type="checkbox"/> Restoration/Enhancement	If the project is for the purpose of restoring or enhancing a wetland resource area in addition to the square footage that has been entered in Section B.2.b or B.3.h above, please enter the additional amount here.	
	_____	_____
	a. square feet of BWV	b. square feet of Salt Marsh
5. <input type="checkbox"/> Project Involves Stream Crossings		
	_____	_____
	a. number of new stream crossings	b. number of replacement stream crossings

## C. Other Applicable Standards and Requirements

### Streamlined Massachusetts Endangered Species Act/Wetlands Protection Act Review

1. Is any portion of the proposed project located in **Estimated Habitat of Rare Wildlife** 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 *Massachusetts Natural Heritage Atlas* or go to [http://www.mass.gov/dfwele/dfw/nhESP/regulatory\\_review/priority\\_habitat/online\\_viewer.htm](http://www.mass.gov/dfwele/dfw/nhESP/regulatory_review/priority_habitat/online_viewer.htm).

a.  Yes  No **If yes, include proof of mailing or hand delivery of NOI to:**

Natural Heritage and Endangered Species Program  
Division of Fisheries and Wildlife  
100 Hartwell Street, Suite 230  
West Boylston, MA 01583

Online 4/16/13  
b. Date of map



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

If yes, the project is also subject to Massachusetts Endangered Species Act (MESA) review (321 CMR 10.18). To qualify for a streamlined, 30-day, MESA/Wetlands Protection Act review, please complete Section C.1.C, and include requested materials with this Notice of Intent (NOI); OR complete Section C.1.d, if applicable. *If MESA supplemental information is not included with the NOI, by completing Section 1 of this form, the NHESP will require a separate MESA filing which may take up to 90 days to review (unless noted exceptions in Section 2 apply, see below).*

### 1. c. Submit Supplemental Information for Endangered Species Review\*

1.  Percentage/acreage of property to be 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

3.  Project plans for entire project site, including wetland resource areas and areas outside of wetlands jurisdiction, showing existing and proposed conditions, existing and proposed tree/vegetation clearing line, and clearly demarcated limits of work \*\*\*\*

(a)  Project description (including description of impacts outside of wetland resource area & buffer zone)

(b)  Photographs representative of the site

(c)  MESA filing fee (fee information available at:

[http://www.mass.gov/dfwele/dfw/nhosp/regulatory\\_review/ mesa/ mesa\\_fee\\_schedule.htm](http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_fee_schedule.htm)).

Make check payable to "Commonwealth of Massachusetts - NHESP" and **mail to NHESP** 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 & Estimated Habitat boundaries

### d. OR Check One of the Following

1.  Project is exempt from MESA review.

Attach applicant letter indicating which MESA exemption applies. (See 321 CMR 10.14, [http://www.mass.gov/dfwele/dfw/nhosp/regulatory\\_review/ mesa/ mesa\\_exemptions.htm](http://www.mass.gov/dfwele/dfw/nhosp/regulatory_review/ mesa/ mesa_exemptions.htm); the NOI must still be sent to NHESP if the project is within estimated habitat pursuant to 310 CMR 10.37 and 10.59.)

2.  Separate MESA review ongoing.

\_\_\_\_\_ a. NHESP Tracking #

\_\_\_\_\_ b. Date submitted to NHESP

\* Some projects not in Estimated Habitat may be located in Priority Habitat, and require NHESP review (see <http://www.mass.gov/dfwele/dfw/nhosp/nhosp.htm>, regulatory review tab). Priority Habitat includes habitat for state-listed plants and strictly upland species not protected by the Wetlands Protection Act.

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

3.  Separate MESA review completed.  
Include copy of NHESP "no Take" determination or valid Conservation & Management Permit with approved plan.

2. For coastal projects only, is any portion of the proposed project located below the mean high water line or in a fish run?

a.  Not applicable – project is in inland resource area only

b.  Yes  No If yes, include proof of mailing or hand delivery of NOI to either:

South Shore - Cohasset to Rhode Island, and the Cape & Islands:

North Shore - Hull to New Hampshire:

Division of Marine Fisheries -  
Southeast Marine Fisheries Station  
Attn: Environmental Reviewer  
1213 Purchase Street – 3rd Floor  
New Bedford, MA 02740-6694

Division of Marine Fisheries -  
North Shore Office  
Attn: Environmental Reviewer  
30 Emerson Avenue  
Gloucester, MA 01930

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.

3. Is any portion of the proposed project within an Area of Critical Environmental Concern (ACEC)?

a.  Yes  No If yes, provide name of ACEC (see instructions to WPA Form 3 or MassDEP Website for ACEC locations). **Note:** electronic filers click on Website.

b. ACEC

4. Is any portion of the proposed project within an area designated as an Outstanding Resource Water (ORW) as designated in the Massachusetts Surface Water Quality Standards, 314 CMR 4.00?

a.  Yes  No

5. Is any portion of the site subject to a Wetlands Restriction Order under the Inland Wetlands Restriction Act (M.G.L. c. 131, § 40A) or the Coastal Wetlands Restriction Act (M.G.L. c. 130, § 105)?

a.  Yes  No

6. Is this project subject to provisions of the MassDEP Stormwater Management Standards?

a.  Yes. Attach a copy of the Stormwater Report as required by the Stormwater Management Standards per 310 CMR 10.05(6)(k)-(q) and check if:

1.  Applying for Low Impact Development (LID) site design credits (as described in Stormwater Management Handbook Vol. 2, Chapter 3)

2.  A portion of the site constitutes redevelopment

3.  Proprietary BMPs are included in the Stormwater Management System.

b.  No. Check why the project is exempt:

1.  Single-family house

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



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

- 2.  Emergency road repair
- 3.  Small Residential Subdivision (less than or equal to 4 single-family houses or less than or equal to 4 units in multi-family housing project) with no discharge to Critical Areas.

## D. Additional Information

Applicants must include the following with this Notice of Intent (NOI). See instructions for details.

**Online Users:** Attach the document transaction number (provided on your receipt page) for any of the following information you submit to the Department.

- 1.  USGS or other map of the area (along with a narrative description, if necessary) containing sufficient information for the Conservation Commission and the Department to locate the site. (Electronic filers may omit this item.)
- 2.  Plans identifying the location of proposed activities (including activities proposed to serve as a Bordering Vegetated Wetland [BVW] replication area or other mitigating measure) relative to the boundaries of each affected resource area.
- 3.  Identify the method for BVW and other resource area boundary delineations (MassDEP BVW Field Data Form(s), Determination of Applicability, Order of Resource Area Delineation, etc.), and attach documentation of the methodology.
- 4.  List the titles and dates for all plans and other materials submitted with this NOI.

see attached list

a. Plan Title

b. Prepared By

c. Signed and Stamped by

d. Final Revision Date

e. Scale

f. Additional Plan or Document Title

g. Date

- 5.  If there is more than one property owner, please attach a list of these property owners not listed on this form.
- 6.  Attach proof of mailing for Natural Heritage and Endangered Species Program, if needed.
- 7.  Attach proof of mailing for Massachusetts Division of Marine Fisheries, if needed.
- 8.  Attach NOI Wetland Fee Transmittal Form
- 9.  Attach Stormwater Report, if needed.



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## E. Fees

- Fee Exempt: No filing fee shall be assessed for projects of any city, town, county, or district of the Commonwealth, federally recognized Indian tribe housing authority, municipal housing authority, or the Massachusetts Bay Transportation 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:

2. Municipal Check Number

3. Check date

4. State Check Number

5. Check date

6. Payor name on check: First Name

7. Payor name on check: Last Name

## 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

3. 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.

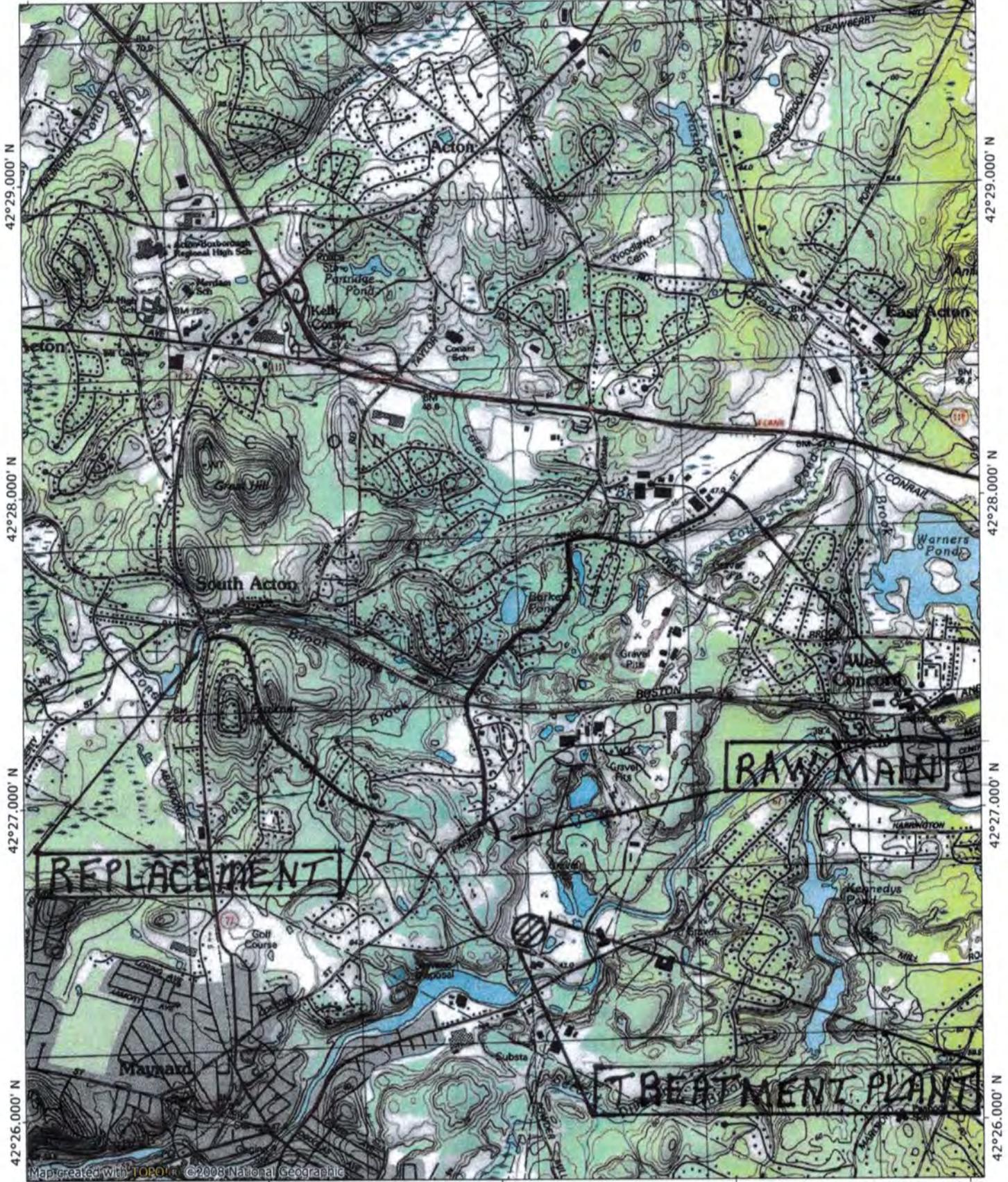
### Other:

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.

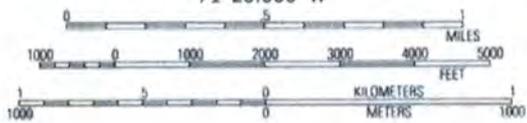
LOCUS MAP: Acton Water District; South Acton Water Treatment Plant and Associated Water Mains

71°28.000' W      71°27.000' W      71°26.000' W      71°25.000' W      WGS84 71°24.000' W



Map created with TOPO! ©2008 National Geographic

71°28.000' W      71°27.000' W      71°26.000' W      71°25.000' W      WGS84 71°24.000' W



MN° TN  
14½°  
04/28/13

### LIST OF PLANS AND ATTACHMENTS

- Acton Water District Contract Drawings for Raw Water Transmission Main, High Street Water Main Replacement; prepared by Wright-Pierce; signed and stamped by James V. Hoyt; dated 4/19/13; scale, 1"=40'.
- Acton Water District Permitting Drawings for South Acton Water Treatment Plant; prepared by Wright-Pierce; signed and stamped by James E. Cray; dated 4/22/13; scale 1"=20'.
- Stormwater Management Plan for the South Acton Water Treatment Plant, Acton Water District; prepared by Wright-Pierce; dated April 2013.



# Caron Environmental Consulting

978-874-5469

Wetlands • Forestry • Permitting • Habitat Studies

April 23, 2013

Mr. Richard G. Protasowicki, P.E.  
Wright-Pierce, Inc.  
40 Shattuck Road; Suite 305  
Andover, MA 01810

Re: Wetland Delineation  
Acton Water District  
South Acton Water Treatment Plant and associated water mains

Dear Mr. Protasowicki:

As requested, we have delineated the wetlands in the vicinity of the proposed South Acton Water Treatment Plant, the raw water main route and the High Street water main replacement. The delineation was conducted on January 21, February 21, March 15 and April 15, 2013. It was based on observations of the plant communities and soil conditions.

The edges of wetlands and tops of banks were delineated with blue flagging labeled A1 to A10, B1 to B12, C1 to C3, D1 to D4, E1 to E3, F1 to F5, G1 to G7, H1 to H6, I1 to I5, J1 to J9, K1 to K5, L1 to L6, M1 to M9, N1 to N7, O1 to O4, P1 to P4, Q1 to Q5, R1 to R8, S1 to S7, T1 to T8, U1 to U4, V1 to V6, W1 to W3, X1 to X3, Y1 to Y10 and Z1 to Z4.

As would be expected given the extent of this project, the plant communities present in the various wetland and upland areas varies considerably. Representative species present in the wetland include red maple, American elm, gray birch, swamp white oak, willows, speckled alder, winterberry, swamp dogwood, buttonbush, European buckthorn, bittersweet, poison ivy, barberry, maleberry, goldenrods, cattails, tussock sedge, sphagnum moss, purple loosestrife and skunk cabbage. The most common species observed in the uplands include white pine, pitch pine, quaking aspen, bigtooth aspen, black oak, red oak, scarlet oak, white oak, black cherry, Norway maple, red maple, gray birch, American elm, European buckthorn, common buckthorn, Russian olive, Morrow honeysuckle, lowbush blueberry, gray-stemmed dogwood, multiflora rose, fox grape, blackberry, bittersweet, poison ivy, barberry, goldenrods and haircap moss.

The soils along the water main routes are highly variable, and in most instances have been heavily disturbed in the past. In the area of the proposed treatment plant, the A and B-series wetland soils are poorly developed. They have a deep surface layer of olive/gray-colored silt that contains numerous low-chroma mottles. The uplands at the treatment plant site have soils with an A-horizon that is six inches deep with a Munsell Soil Color of 10 YR 3/3. The underlying Bw-horizon extends to a depth of at least 18 inches and has colors ranging from 10 YR 5/4 to 6/6.

April 23, 2013

Mr. Richard G. Protasowicki, P.E.

Wright-Pierce, Inc.

Re: Wetland Delineation

Acton Water District

South Acton Water Treatment Plant and associated water mains

Page 2.

Based on the landscape position, surrounding topography and observed soil conditions it appears that the wetlands at the treatment plant site are man-made or were wetlands severely altered in the past. It is likely that they are old sedimentation basins or ponds that were used in the washing or processing of gravel or stone.

Please note that in three locations the streams which cross the water main routes are perennial streams. Accordingly, there are 200-foot Riverfront Areas along them. In addition, 100-year flood zones are mapped along each of these streams.

The 13<sup>th</sup> Edition of the Natural Heritage Atlas and the on-line GIS viewer, do not show any Estimated/Priority Habitat Areas or Certified Vernal Pools on the site.

If you should have any questions in regards to this matter, please feel free to contact us.

Very truly yours,

CARON ENVIRONMENTAL CONSULTING,

By;



Charles E. Caron

**From:** [CERO\\_NOI@MassMail.state.ma.us](mailto:CERO_NOI@MassMail.state.ma.us)  
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**Cc:** [ceronoi@state.ma.us](mailto:ceronoi@state.ma.us); [Conservation Commission](#); [ceronoi@state.ma.us](mailto:ceronoi@state.ma.us)  
**Subject:** MassDEP NOI File Number  
**Date:** Friday, May 03, 2013 4:31:13 PM

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COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
CENTRAL REGIONAL OFFICE  
627 MAIN STREET, WORCESTER, MA 01608 508-792-7650

Date: 05/03/2013

Municipality ACTON

**RE: NOTIFICATION OF WETLANDS PROTECTION ACT FILE NUMBER**

The Department of Environmental Protection has received a Notice of Intent filed in accordance with the Wetlands Protection Act (M.G.L. c. 131, §40):

<b>Applicant</b>	ACTON WATER DISTRICT	<b>Owner Address</b>
<b>Address</b>	P O BOX 953,ACTON MA 01720	
<b>Locus</b>	SCHOOL/HIGH STS-PARKER RD,ASSABET CROSSING , ACTON MA 01720	

This project has been assigned the following file # : **CE 085-1123**

ISSUANCE OF A FILE NUMBER INDICATES ONLY COMPLETENESS OF SUBMITTAL, NOT APPROVAL OF APPLICATION

Although a file # is being issued, please note the following:

DOES THE PROJECT TRIGGER ANY MEPA THRESHOLDS FOR AN ENF AND/OR EIR?

Regards,  
for MassDEP,

(508)-767-2709  
Joseph.Bellino@State.MA.US