

WETLAND PROTECTION ACT

MASSACHUSETTS G.L. C.131 s.40

NOTICE OF INTENT

ALL PARTS OF THIS FORM SHALL BE COMPLETED UNDER THE PAINS AND PENALTY OF PERJ... INCLUDING THE ENVIRONMENTAL DATA FORM ATTACHED HERETO AND MADE A PART HEREOF... THE FILING MAY BE CONSIDERED INCOMPLETE.

DATE February 21, 1978

1. Notice is hereby given in accordance with the provisions of G.L. C.131 s. that the proposed activity as submitted herein falls within the jurisdiction of said statute, and is located in the

City/Town Acton Arlington Street

Recorded at the Registry of South Middlesex, Book 10367, Page 181

Certificate (if registered)

2. The name(s), address and telephone number of owner(s) of the subject land are:

Table with 3 columns: NAME, ADDRESS, TELEPHONE NO. Row 1: Town of Acton, Town Hall, 263-2761

3. I have filed identical Notices and plans by Certified Mail with the following:

Table with 2 columns: Description, Date. Rows: Conservation Commission (original) Date 2-24-78; Mass. Department of Natural Resources 100 Cambridge St., Boston (3 copies) Date 2-24-78; Mass. Department of Public Works 100 Nashua St., Boston (1 copy) Date 2-24-78

4. Have all permits, variances and approvals as required by C.131 s.40 been obtained? Yes (yes or no). Attach copies to original Notice of Intent

5. Enclosed is Statutory Filing Fee of \$25.00, payable to City or Town.

6. The name, address and telephone number of the owner's representatives (if any) are as follows:

Table with 3 columns: NAME, ADDRESS, TELEPHONE NO. Rows: Attorney Acheson H. Callaghan, Jr. c/o Palmer & Dodge One Beacon St., Boston 227-4400; Engineer Ralph W. Herrick 14 Forest Rd., Acton 263-7545; Agent Christopher J. Farrell Town Hall 263-2761

7. The purpose of the project is: (Use additional sheets if necessary)

8. Owner's (or agent's signature) To replace existing deteriorating culvert [Signature]

"B"

Land Manager

WETLAND PROTECTION ACT
ENVIRONMENTAL DATA FORM

All parts of this form are to be filled out by the applicant or his agent under the provisions of G.L. CH.131 s.40.

2. Where a section is not relevant to the application in question, the words "Not applicable" should be entered on the appropriate line.

NAME OF APPLICANT

Town of Acton

ADDRESS OF APPLICANT

Town Hall, Acton

MUNICIPALITIES WHERE ACTIVITY IS PROPOSED AND NOTICE IS FILED.

Town of Acton

DESCRIPTION OF PROPERTY INVOLVED
IN APPLICATION (including the dimensions
of any existing buildings, decks, marinas,
existing cesspools)

50' wide roadway R.O.W.

DESCRIPTION OF MODIFICATIONS PROPOSED
ON THE SITE, including grading, dredging,
removal of vegetation, etc.

Replace existing culvert and widen road shoulders. Culvert replacement will be same as existing culvert. (See enclosed plan)

A. SOILS

1. United States Department of
Agriculture Soil Types (show on map)

N/A

2. Permeability of soil on the site. (Dates of testing)

N/A

3. Rate of percolation of water through
the soil. (Dates of testing)

N/A

B. SURFACE WATERS

1. Distance of site from nearest
surface water (Date of measurement)

Work is in stream bed

2. Sources of runoff water

Arlington Street pavement

-
3. Rate of runoff from the site
Minimal
-
4. Destination of runoff water
Grassy Pond Brook
-
5. Chemical additives to runoff water on the site
Salt for snow/ice control on Arlington Street
-

C. GROUND COVER

1. Extent of existing impervious ground cover on the site
23' wide pavement
-
2. Extent of proposed impervious ground cover on the site
Same
-
3. Extent of existing vegetative cover on the site
Road shoulders
-
4. Extent of proposed vegetative cover on the site
Same
-

D. TOPOGRAPHY

1. Maximum existing elevation on site
209+
-
2. Minimum existing elevation of site
203 +
-
3. Maximum proposed elevation of site
209+
-
4. Minimum proposed elevation of site
203+
-
5. Description of proposed change in topography
Widen road shoulders
-

E. GROUND WATER

1. Minimum depth to water table on site (at time of filing)
On surface
-
2. Maximum depth to water table on site (at time of filing)
On surface
-
3. Seasonal maximum ground water elevation
On surface
-

F. WATER SUPPLY

1. The source of the water to be provided to the site
N/A
-
2. The expected water requirements (g.p.d.) for the site
N/A
-
3. The uses to which water will be put
N/A
-

G. SEWAGE DISPOSAL

1. Sewage disposal system (description and location on the site, of system)

N/A

2. Expected content of the sewage effluents (human waste, pesticides, detergents, oils, heavy metals, other chemicals)

N/A

3. Expected daily volumes of sewage

N/A

H. SOLID WASTE

1. Estimated quantity of solid waste to be developed on the site

N/A

2. Method for disposal of solid waste

N/A

3. Plans for recycling of solid waste

N/A

I. BOAT YARDS, DOCKS, MARINAS

1. Capacity of marina (number of boats, running feet)

N/A

2. Description of docks and floats (site, dimensions)

N/A

3. Description of sewage pumpout facilities (type of waste disposal)

N/A

4. Description of fuelling facilities and fuel storage tanks

N/A

5. Description of fuel spill prevention measures and equipment

N/A

~~J. IMPACT OF PROPOSED ACTION APPLIED FOR~~

1. Effects on plant species (upland and marine)

Temporary disturbance

2. Effects on marine species (shellfish, finfish)

None

3. Effects on drainage and runoff	None
4. Effects on siltation of surface waters	Temporary
5. Effects on groundwater quality	None
6. Effects on surface water quality	None

K. ALTERNATIVES TO PROPOSED ACTION

1. Describe alternatives to the requested action

Do nothing in which case existing culvert will continue to deteriorate.

2. Describe the benefits of the requested action over the alternatives

Improve safety and upgrade roadway.

ARLINGTON ST STA 42+93

EKD 2-13-78

EDGE OF PAVEMENT ELEV 207.8

INV EXISTING BOX CULVERT 203.5

ESTIMATED SIZE OF CULVERT

3'x4' GRANITE BOX = 12 sf

HOLD SAME AREA & INVERT ELEV

HEIGHT OF COVER 1 FT MIN.

TOP OF CULVERT 206.8

INV OF CULVERT 203.5

3.3 RISE
(3' 4")
(40")

OPTIONS

SIZE	AREA	QUANTITY
36" DIAM	7.1	2 ea
27" x 43"	6.4	2 ea
36" x 58"	11.4	1 ea
43" x 64"	14.3	1 ea

next culvert down stream.

4115

USE 36" x 58" CMP ARCH

INV 203.5 UPSTREAM (203.4 DOWN)
RISE + 3.0
TOP 206.5

ELEV ROADWAY 207.8
ELEV TOP PIPE 206.5

HT OF COVER 1.3 OK

GAGE - 10 TABLE 3 pg 19 Solving Drainage Problems.

LENGTH 40' (scaled) centered on ϕ LAYOUT

NO SKEW ANGLE STA 42 + 93

HEADWALL MADE OF GRANITE BLOCKS
FROM EXISTING BOX CULVERT.