



Commonwealth of Massachusetts



DEQE File No.

(To be provided by DEQE)

City/Town Seekonk, MA

Applicant Town of Seekonk

TOWN CLERK'S OFFICE
SEEKONK, MASS.
RECEIVED
JUN 23 9 10 AM '89

**Notice of Intent
Under the
Massachusetts Wetlands Protection Act, G.L. c. 131, §40
and
Application for a Department of the Army Permit**

Part I: General Information

1. Location: Street Address Elm Street
Lot Number 89-A & Public Road

2. Project: Type Municipal Description Installation of 1,110 linear feet of storm drainage on Elm Street (See Project Narrative)

3. Registry: County - Current Book - & Page -
Certificate (If Registered Land) _____

4. Applicant Seekonk Department of Public Works Tel. (508) 336-7407
Address Taunton Avenue, Seekonk, MA 02771

5. Property Owner Town & Howard Snow Tel. _____
Address 20 Elm Street, Seekonk, MA 02771

6. Representative R. F. Geisser & Associates, Inc. Tel. (401) 438-7320
Address 120 Pershing Street, East Providence, RI 02914

7. Have the Conservation Commission and the DEQE Regional Office each been sent, by certified mail or hand delivery, 2 copies of completed Notice of Intent, with supporting plans and documents?
Yes No

8. Have all obtainable permits, variances and approvals required by local by-law been obtained?

Yes No

Obtained:

Applied For:

Not Applied For:

Mass DPW

Horizontal lines for additional permit information.

9. Is any portion of the site subject to a Wetlands Restriction Order pursuant to G.L. c. 131, §40A or G.L. c. 130, §105? Yes No

10. List all plans and supporting documents submitted with this Notice of Intent.

Identifying

Number/Letter

Title, Date

P-1 & P-2

Drainage Plans, March 1989

N-1

Project Narrative, March 1989

Horizontal lines for additional plan and document information.

11. Check those resource areas within which work is proposed:

(a) Buffer Zone

(b) Inland:

- Bank*
Bordering Vegetated Wetland*
Land Under Water Body & Waterway*
Land Subject to Flooding,
Bordering
Isolated

(c) Coastal:

- Land Under the Ocean*
Coastal Beach*
Barrier Beach
Rocky Intertidal Shore*
Land Under Salt Pond*
Fish Run*
Designated Port Area*
Coastal Dune
Coastal Bank
Salt Marsh*
Land Containing Shellfish*

* Likely to involve U.S. Army Corps of Engineers concurrent jurisdiction. See General Instructions for Completing Notice of Intent.

12. Is the wetland resource area to be altered by the proposed work located on the most recent Estimated Habitat Map (if any) of rare, "state-listed" vertebrate and invertebrate animal species occurrences provided to the conservation commission by the Natural Heritage and Endangered Species Program?

YES [] NO [XX]
NO MAP AVAILABLE []

Date printed on the Estimated Habitat Map issued
(if any) October, 1987

If yes, have you completed an Appendix A and a Notice of Intent and filed them, along with supporting documentation with the Natural Heritage and Endangered Species Program by certified mail or hand delivery, so that the Program shall have received Appendix A prior to the filing of this Notice of Intent?

YES [] NO []

1. Delineation of the drainage area contributing to the point of discharge;
2. Pre- and post-development peak run-off from the drainage area, at the point of discharge, for at least the 10-year and 100-year frequency storm;
3. Pre- and post-development rate of infiltration contributing to the resource area checked under Part I, item 11 above;
4. Estimated water quality characteristics of pre- and post-development run-off at the point of discharge.

Part IV: Mitigating Measures

1. Clearly, completely and accurately describe, with reference to supporting plans and calculations where necessary:
 - (a) All measures and designs proposed to meet the performance standards set forth under each resource area specified in Part II or Part III of the regulations; or
 - (b) why the presumptions set forth under each resource area specified in Part II or Part III of the regulations do not apply.

<input type="checkbox"/> Coastal <input checked="" type="checkbox"/> Inland	Resource Area Type: Area subject to flooding	Identifying number or letter of support documents
See Project Narrative		N-1

<input type="checkbox"/> Coastal <input type="checkbox"/> Inland	Resource Area Type:	Identifying number or letter of support documents

<input type="checkbox"/> Coastal Resource Area Type: <input type="checkbox"/> Inland	Identifying number or letter of support documents

2. Clearly, completely and accurately describe, with reference to supporting plans and calculations where necessary:

- (a) all measures and designs to regulate work within the Buffer Zone so as to ensure that said work does not alter an area specified in Part I, Section 10.02(1) (a) of these regulations; or
- (b) if work in the Buffer Zone will alter such an area, all measures and designs proposed to meet the performance standards established for the adjacent resource area specified in Part II or Part III of these regulations.

<input type="checkbox"/> Coastal Resource Area Type Bordered By 100-Foot Discretionary Zone: <input checked="" type="checkbox"/> Inland	Identifying number or letter of support documents
See Project Narrative	N-1

Part V: Additional Information for a Department of the Army Permit

1. COE Application No. _____ 2. _____
(to be provided by COE) (Name of waterway)

3. Names and addresses of property owners adjoining your property:

See attached list

- 4. Document other project alternatives (i.e., other locations and/or construction methods, particularly those that would eliminate the discharge of dredged or fill material into waters or wetlands).
- 5. 8 1/2" x 11" drawings in planview and cross-section, showing the resource area and the proposed activity within the resource area. Drawings must be to scale and should be clear enough for photocopying.

Certification is required from the Division of Water Pollution Control before the Federal permit can be issued. Certification may be obtained by contacting the Division of Water Pollution Control, 1 Winter Street, Boston, Massachusetts 02108.

Where the activity will take place within the area under the Massachusetts approved Coastal Zone Management Program, the applicant certifies that his proposed activity complies with and will be conducted in a manner that is consistent with the approved program.

Information provided will be used in evaluating the application for a permit and is made a matter of public record through issuance of a public notice. Disclosure of this information is voluntary, however, if necessary information is not provided, the application cannot be processed nor can a permit be issued.

I hereby certify under the pains and 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.

_____	3/ /89
Signature of Applicant Robert DeRosso	Date
_____ <i>Byron R. Holmes</i>	3/ /89
Signature of Applicant's Representative Byron R. Holmes	Date

FORM 100 (TEST)
1 MAY 82

"Exception to ENG Form 4345 approved by HQUSACE, 6 May 1982".
"This document contains a joint Department of the Army and State of Massachusetts application for a permit to obtain permission to perform activities in United States waters. The Office of Management and Budget (OMB) has approved those questions required by the US Army Corps of Engineers. OMB Number 0702-0036 and expiration date of 30 September 1983 applies". This statement will be set in 6 point type.

Project Narrative

Elm Street Storm Drainage System
Seekonk, Massachusetts
March 28, 1989

This project involves the installation of 1,110 linear feet of storm drain and 9 catch basins on Elm Street (See USGS Locus Map). The existing storm drainage on this street consists of 4 catch basins with individual discharges to off-street areas. This has adversely impacted adjacent private property, created icy road conditions in winter and is not an efficient method of properly draining this roadway.

The proposed work will involve removal of these individual catch basins and drain lines and installation of an 18" drain with connection to a concrete headwall and existing State drain line beneath Taunton Avenue (Route 44). There will be the filling of 300 cubic yards of gravel at the existing drainage swale located at the intersection of Elm Street and Taunton Avenue in order to provide proper cover over the proposed drain line. This fill will be graded in order to minimize the filled area to 4,000 square feet and also eliminate any storm run-off from flowing from the area onto Elm Street.

Existing water and gas lines in Elm Street have been located and the proposed drain line will not conflict with these lines.

Drain Calculations - Use Rational Method

Impervious Area (Roadway) - 0.91 acres; use coeff = 0.90

Pervious Area - 5.97 acres; use coeff = 0.10

Time of Concentration 12 minutes

Rainfall (i) 25 year storm = 5.5 inches/hour (Ref. U.S.D.A.
Manual No. 204)

$$\begin{aligned} Q &= 0.91 \times 0.90 \times 5.50 + 5.97 \times 0.10 \times 5.50 \\ &= 4.51 \text{ cfs} + 3.28 \text{ cfs} \\ &= 7.79 \text{ cfs peak expected flow} \end{aligned}$$

Use 18" drain @ 0.007 = 9.0 cfs