



SOVEREIGN CONSULTING INC.

August 15, 2024

Town of Hingham Conservation Department
210 Central Street
Hingham, Massachusetts 02043

Via Electronic Submittal (conservation@hingham-ma.gov) and Printed Submittal

Re: Request for Certificate of Compliance (DEP File #034-343)
Former Queen Anne's ARCO
10 Washington Street
Norwell, MA
RTN 4-0134

To the Town of Hingham Conservation Department:

On behalf of Equilon Enterprises LLC dba Shell Oil Products US (Equilon), Sovereign Consulting Inc. (Sovereign) is submitting the attached Request for Certificate of Compliance for the property located at 1192 and 1220 Main Street in Hingham, Massachusetts (DEP File #034-343).

If you have any questions regarding this submittal, please feel free to contact the undersigned.

Sincerely,
SOVEREIGN CONSULTING INC.

Matthew Duclos
Project Manager

David G. Billo, LSP, LEED AP
Office Manager

Attachments: WPA Form 8A: Request for Certificate of Compliance
Check payable to the Town of Hingham
Letter from Licensed Site Professional
Site Photos
Policy on Receipt of Information
Voluntary 21 Day Waiver (COC)

cc: *With Attachments:*

Edward Henke for Equilon Enterprises, LLC dba Shell Oil Products US
20954 S. Wilmington Ave, Carson, CA 90810
Sovereign File - 2L704

WPA FORM 8A



Massachusetts Department of Environmental Protection
 Bureau of Resource Protection - Wetlands
WPA Form 8A – Request for Certificate of Compliance
 Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

DEP File Number:

034-343
 Provided by DEP

A. Project Information

Important:
 When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



Upon completion of the work authorized in an Order of Conditions, the property owner must request a Certificate of Compliance from the issuing authority stating that the work or portion of the work has been satisfactorily completed.

1. This request is being made by:

Dave Billo, LSP (Sovereign Consulting Inc.) on behalf of Shell Oil Products U.S
 Name
9 Payson Road (Suite 150)
 Mailing Address
Foxborough MA 02035
 City/Town State Zip Code
508-339-3200
 Phone Number
2. This request is in reference to work regulated by a final Order of Conditions issued to:

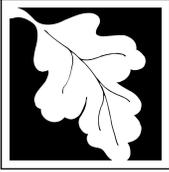
Shell Oil Company
 Applicant
May 7, 1991 034-343
 Dated DEP File Number
3. The project site is located at:

1192 and 1220 Main Street Hingham
 Street Address City/Town
Map 204 Lots 22 and 23
 Assessors Map/Plat Number Parcel/Lot Number
4. The final Order of Conditions was recorded at the Registry of Deeds for:

Richard Starr and George Scothorne
 Property Owner (if different)
Plymouth 10324 176-180
 County Book Page
 Certificate (if registered land)
5. This request is for certification that (check one):

the work regulated by the above-referenced Order of Conditions has been satisfactorily completed.
 the following portions of the work regulated by the above-referenced Order of Conditions have been satisfactorily completed (use additional paper if necessary).

the above-referenced Order of Conditions has lapsed and is therefore no longer valid, and the work regulated by it was never started.



WPA Form 8A – Request for Certificate of Compliance

Massachusetts Wetlands Protection Act M.G.L. c. 131, §40

A. Project Information (cont.)

6. Did the Order of Conditions for this project, or the portion of the project subject to this request, contain an approval of any plans stamped by a registered professional engineer, architect, landscape architect, or land surveyor?

Yes

If yes, attach a written statement by such a professional certifying substantial compliance with the plans and describing what deviation, if any, exists from the plans approved in the Order.

No

B. Submittal Requirements

Requests for Certificates of Compliance should be directed to the issuing authority that issued the final Order of Conditions (OOC). If the project received an OOC from the Conservation Commission, submit this request to that Commission. If the project was issued a Superseding Order of Conditions or was the subject of an Adjudicatory Hearing Final Decision, submit this request to the appropriate DEP Regional Office (see <http://www.mass.gov/eea/agencies/massdep/about/contacts/find-the-massdep-regional-office-for-your-city-or-town.html>).

CHECK PAYABLE TO THE TOWN OF HINGHAM



SOVEREIGN CONSULTING INC.

111A NORTH GOLD DR
ROBBINSVILLE, NJ 08691

UNIVEST
BANK AND TRUST CO.

60-1343/319

100513

DATE

July 24, 2024

PAY

One Hundred and 00/100 Dollars

AMOUNT

100.00

TO THE
ORDER
OF

Town of Hingham
210 Central Street
Hingham, MA 02043

BUSINESS SERVICES ACCOUNT

univest

AUTHORIZED SIGNATURE



SOVEREIGN CONSULTING INC.

100513

Check Date: 7/24/2024

| Invoice Number | Date | Voucher | Amount | Discounts | Previous Pay | Net Amount |
|--------------------------|-----------|--------------|--------|-----------|--------------|------------|
| CKR - MADEP-034-343 | 7/22/2024 | 000000205844 | 100.00 | | | 100.00 |
| Town of Hingham | | TOTAL | 100.00 | | | 100.00 |
| Univest Checking Account | 5 | TOWNHIN | | | | |

LETTER FROM LICENSED SITE PROFESSIONAL



August 15, 2024

Town of Hingham Conservation Department
210 Central Street
Hingham, Massachusetts 02043

RE: Request for Certificate of Compliance
DEP File #034-343
1192 and 1220 Main Street
Hingham, MA 02043

To the Town of Hingham Conservation Commission,

Sovereign Consulting Inc. (Sovereign), on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Equilon), of Carson, CA, is requesting a Certificate of Compliance for the Order of Conditions (OOC) granted to Shell Oil Company, P.O. Box 1703, Atlanta, GA on May 7, 1991. The OOC pertained to the installation and subsequent removal of an aboveground steel pipe across the bordering vegetated wetland located at 1192 and 1220 Main Street in Hingham, Massachusetts (MA) (**Figure 1**). Installation of the piping was to accommodate the discharge of treated groundwater from a since removed groundwater treatment system to the unnamed tributary to Accord Brook. The groundwater treatment system was utilized for response actions related to a release of petroleum hydrocarbons originating from the Former Queen Anne's ARCO site at 10 Washington Street, Norwell, MA (Massachusetts Department of Environmental Protection Release Tracking Number 4-0134).

Based on the review of historical documentation, the installation of the steel pipe was completed between June 26, 1991 and July 3, 1991 in accordance with the May 7, 1991 OOC. Prior to the steel pipe installation, In September 1990, an underground 4-inch diameter polyvinyl chloride (PVC) pipe had been installed between the groundwater treatment system and control box and then to the edge of the bordering vegetated wetland. During installation of the steel pipe, the 4-inch PVC pipe was accessed at the edge of the bordering vegetated wetland and brought to the surface via a 4-inch diameter flex hose. Pressure treated wooden posts were installed from this point every 12 feet across a distance of 165 feet of bordering vegetated wetlands to the discharge location at the unnamed tributary to Accord Brook. A 4-inch diameter steel pipe was attached to the wooden posts at a 1% slope from approximately 2 feet above grade at the edge of the bordering vegetated wetland to approximately 1 foot above grade at the unnamed tributary. At this point, a 90-degree malleable iron adaptor was connected to the steel pipe to bring the discharge to the tributary surface. Riprap (12-inch-wide flat stone) was installed in the tributary channel bottom from bank to bank extending 4 feet downstream of the tributary to prevent scouring during the discharge of up to 50 gallons per minute of treated groundwater.

In compliance with the May 7, 1991 OOC, the following specific conditions were required during installation and removal of the steel piping:

- All work within the wetlands shall be performed with hand-held equipment only. No vehicles or heavy machinery shall be allowed in the wetlands at any time;
- In order to minimize impact on the wetlands, the pressure treated wooden posts shall be driven by hand into the ground rather than placed in an excavated hole wherever possible;
- Upon completion of the project, all posts and piping shall be removed from the wetlands;
- Discharged groundwater shall meet both the federal EPA standards as well as the Mass. DEP standards, and the Commission is to be notified immediately in the event that it is found that such standards have not been met;
- All work is to be performed in such a manner as will permanently protect from erosion, siltation, sedimentation, or other adverse effects all wetland areas proposed to be undisturbed. Such areas to be restored immediately in the event of any such damage, regardless of the cause;
- The Commission is to be provided with quarterly reports from the project engineer concerning the status of the project;
- Water quality tests shall be made available to the Commission at any time upon request;
- A copy of this Order shall be available at all times on the site and all personnel working on the site shall be familiar with this Order;
- This Order does not relieve the applicant of the necessity of complying with any and all conditions set forth in previous Orders of Conditions, specifically those set forth under project file #34-263;
- This Order shall be recorded in the Registry of Deeds within ten (10) working days of the date of issuance. No work shall be undertaken until the form on the last page of this Order has been submitted to the Hingham Conservation Commission;
- Immediately following completion of this project, the project shall be certified to be as per these conditions and plans, in writing to the Hingham Conservation Commission by the project engineer or geologist.

Upon certification by the project engineer or geologist, the applicant shall request in writing that a Certificate of Compliance be issued stating that all work has been satisfactorily completed.

Based on information available to Sovereign, the original groundwater treatment system consisted of four recovery wells (RW-1 through RW-4). During an upgrade of the system six additional pumping wells (PW-5 through PW-12) were installed. It is understood that the steel discharge pipe was installed to help accommodate discharge from the upgraded system. Over the years, recovery wells RW-2 through RW-4 were taken out of service. In April 1993, five pumping wells (PW-5 through PW-11) were deactivated. Wells RW-1 and PW-12, located on the service station property, remained operational. During its operation, the groundwater treatment system was upgraded and air stripper towers were replaced with two carbon absorption units, which reportedly operated until December 1996.

Information regarding removal of the steel piping was unavailable to Sovereign. During an April 26, 2024 site visit, Sovereign personnel noted that the wetland area appears to have

returned to its natural state with the exception of the presence of the pressure-treated wooden posts that were observed throughout the wetland area (see attached **Photo Log**). At some point between now and April 1993, the steel discharge pipe was removed. It is unknown why the pressure-treated wooden posts were not removed.

With this letter, Sovereign is providing the above information which supports that most of the conditions set forth by the Town of Hingham Conservation Commission in the OOC for file number #034-343 were met during piping installation and subsequent removal. Although the pressure-treated wooden posts were not removed as required by the OOC, the actions needed to remove them at this time may damage the wetland. Removal may require the use of mechanized equipment such as a wench and chain as removal by hand would introduce potential health and safety concerns. Since the posts are located in an isolated area, Sovereign recommends that they remain in place as to not disturb the wetland further and as to avoid potential health and safety risks.

In accordance with the Massachusetts Wetlands Protection Act (WPA) M.G.L. c. 131 §40, the Massachusetts Department of Environmental Protection WPA Form 8A Request for the Certificate of Compliance is attached.

If any further information is requested, please do not hesitate to call us at 508-339-3200.

Sincerely,
SOVEREIGN CONSULTING INC.



Matthew Duclos
Project Manager



David G. Billo, LSP, LEED AP
Office Manager

Letter Attachments: Figure 1 – Steel Pipe Location
 Figure 2 – Discharge Piping Details
 Historical Documentation

Figure 1 - Steel Pipe Location

PROJECT: SHELL/NORWELL, MA.
LOCATION: 10 WASHINGTON STREET
(INT. ROUTES 53 & 228)
JOB NO.: 011051977

- ⊕ SOIL BORING
- ▲ RECOVERY WELL
- MONITORING WELL

EX.: MW-1 - WELL IDENTIFICATION
--- PROPERTY LINE

SOURCE: BASED ON TOPOGRAPHIC SURVEY BY HAYWARD-BOYNTON & WILLIAMS, INC., SURVEYORS ENGINEERS; (4/18/89, REV. 5/20/89, 11/21/89); AND GROUNDWATER TECHNOLOGY, INC. FIELD MEASUREMENTS (1/10/90)

0 40
SCALE IN FEET

DRAWN BY: K. WILKINSON MARCH 27, 1991
NO.: 001

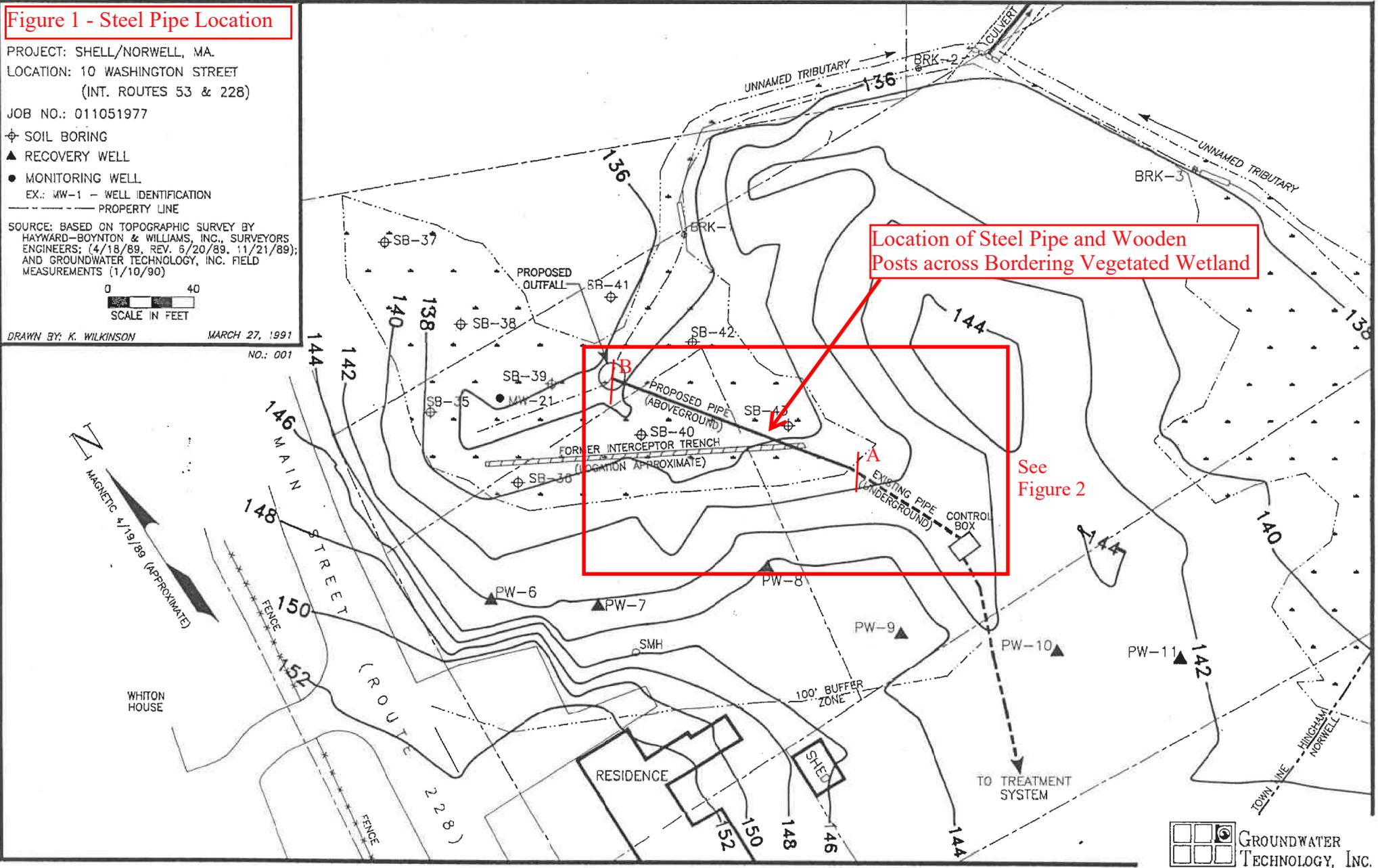
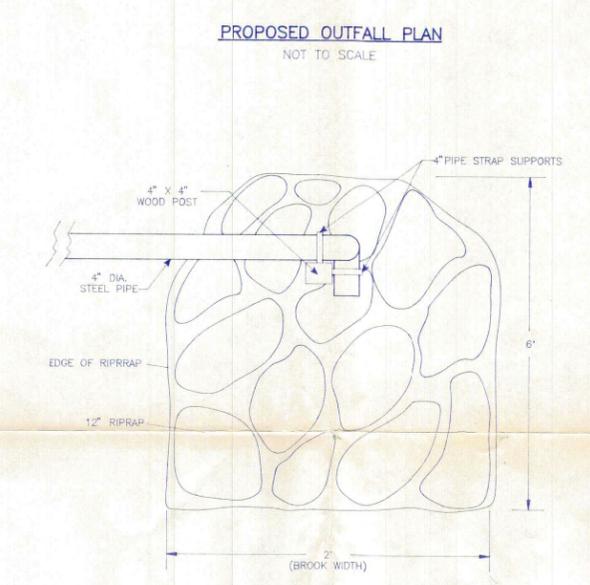
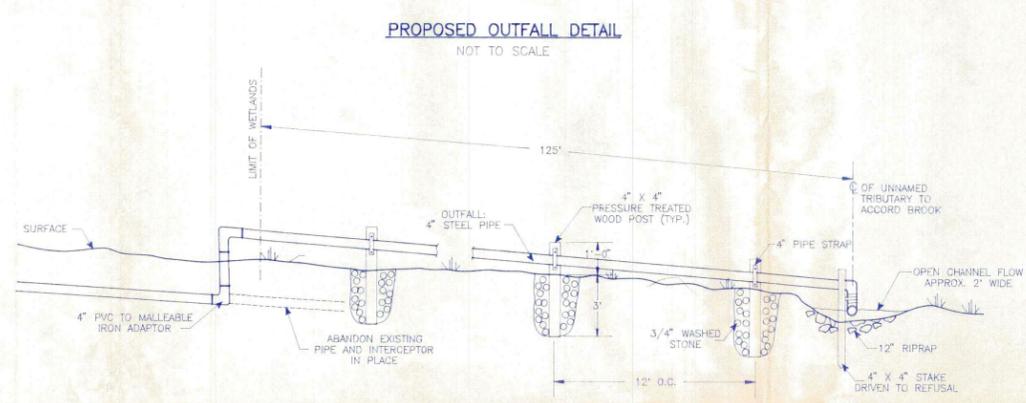
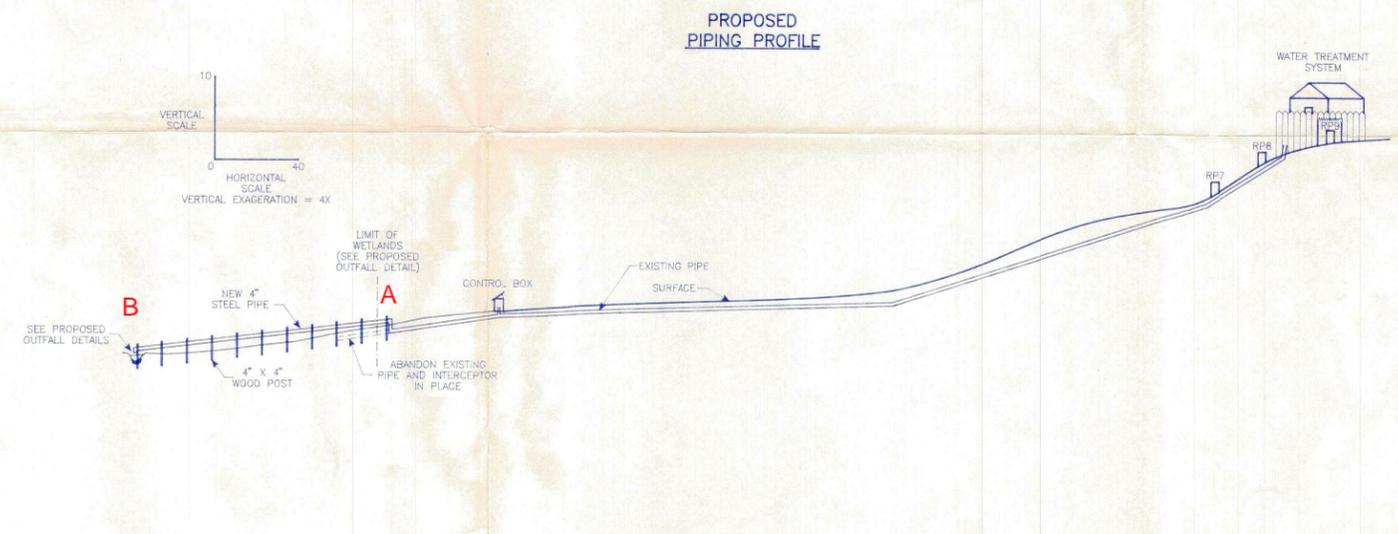
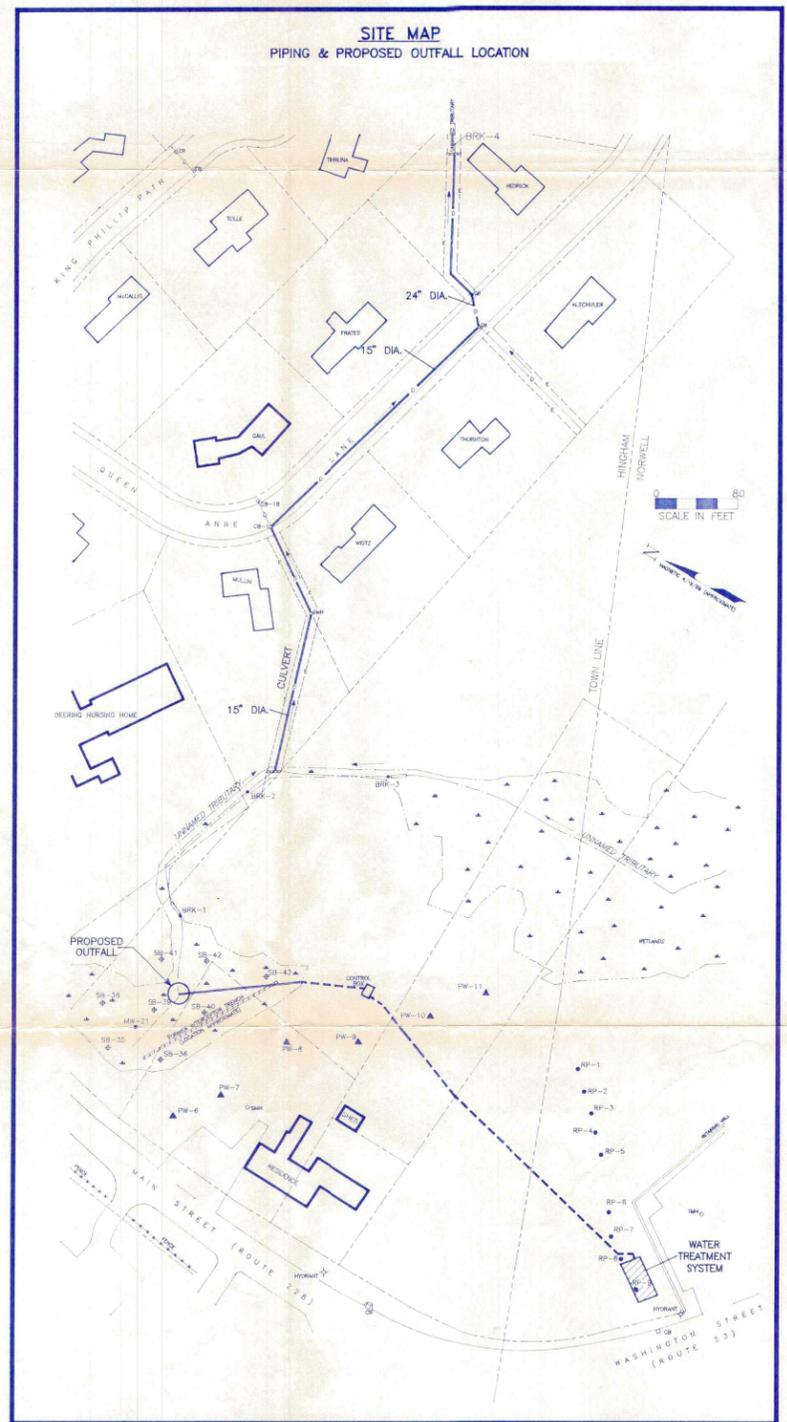


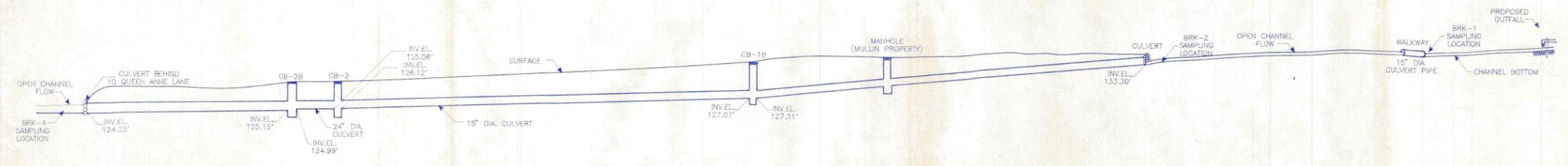
Figure 2 - Discharge Pipe Details



NOTES:

- 1) PRESSURE TREATED WOOD POSTS TO BE HAND DUG OR HAND AUGERED TO MINIMIZE DISTURBANCE TO WETLANDS. POST HOLES TO BE BACKFILLED WITH 3/4\"/>

PROFILE STREAM DISCHARGE
NOT TO SCALE



APPROVALS

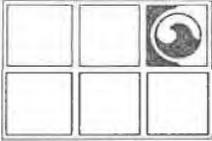
| SIGNATURE | DATE |
|---------------|------|
| PROJECT ENGR: | |
| PROJECT MGR: | |
| CLIENT: | |

GROUNDWATER TECHNOLOGY, INC.
220 NORWOOD PARK SOUTH
NORWOOD, MA 02062 (617) 769-7600

SHELL/NORWELL, MA.
10 WASHINGTON STREET

SURFACE DISCHARGE (UNNAMED TRIBUTARY TO ACCORD BROOK) DETAILS

| | | |
|---------------------------|---------------------|--------------------|
| DESIGNED BY: JAC/SDK | DETAILED BY: KMW | CHECKED BY: TES |
| DATE: 4/01/91 | FILE: SHNORSDD | |
| PROJECT NO.: 011051977 | CONTRACT: | |
| DRAWING: C-1 | REVISION: 0 | |



**GROUNDWATER
TECHNOLOGY, INC.**

220 Norwood Park South, Norwood, MA 02062 U.S.A. (617) 769-7600

Telex: 92-8420 Fax: (617) 769-7785

NOTICE OF INTENT

**1192 AND 1220 MAIN STREET
HINGHAM, MASSACHUSETTS**

**SERVICE STATION REFERENCE:
SHELL OIL COMPANY SERVICE STATION
(FORMER QUEEN ANNE'S ARCO)
10 WASHINGTON STREET
NORWELL, MASSACHUSETTS**

PREPARED FOR:

**TOWN OF HINGHAM
CONSERVATION COMMISSION**

APRIL 4, 1991

Received 4/31

310 CMR 10.99
Form 3



Commonwealth
of Massachusetts



DEP File No.
(To be provided by DEP)

City/Town Hingham

Applicant Shell Oil Company

**Notice of Intent
Under the
Massachusetts Wetlands Protection Act, G.L. c. 131, §40
TOWN OF HINGHAM'S WETLANDS PROTECTION BY-LAW
Application for a Department of the Army Permit**

Part I: General Information

1. Location: Street Address 1192 and 1220 Main Street
Lot Number Map 204, lots 22 and 23.

2. Project: Type 4I Description Discharge of up to 50 gallons per minute (gpm) of treated groundwater into a surface water stream. Installation of 125 feet of 4-inch diameter steel piping aboveground across the bordering vegetated wetland for the transfer of this water from an existing subsurface pipe to the discharge point in the surface water stream.

3. Registry: County Plymouth Current Book 7157 & Page 308
4774 & Page 381
Certificate (If Registered Land) _____

4. Applicant Shell Oil Company (Mr. James C. Keuper, Jr.) Tel. (617) 461-4622
Address P.O. Box 1703 Atlanta, GA 30371

5. Property Owner Richard Starr George Scothorne Tel. _____
Deering Nursing Home 1220 Main Street
Address 1192 Main Street (617) 749-3002
(617) 749-2285

6. Representative Groundwater Technology, Inc. Mr. Elliot Werk Tel. (617) 769-7600
Address 220 Norwood Park South, Norwood, MA 02062

7. a. Have the Conservation Commission and the Department's 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
- b. Has the fee been submitted? Yes No
- c. Total Filing Fee Submitted \$1,000.00
- d. City/Town Share of Filing Fee \$ 512.50 State Share of Filing Fee \$ 487.50
(sent to City/Town) (½ of fee in excess of \$25, sent to DEP)
- e. Is a brief statement attached indicating how the applicant calculated the fee? 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: |
| <u>National Pollution Elimination System (NPDES) Permit Exclusion</u> | <u>National Pollution Discharge Elimination System (NPDES) Permit Exclusion (letter attached as Appendix D)</u> | |
| <u>received April 1, 1991 (letter attached as Appendix D)</u> | | |

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 |
|---------------------------|-------------|
| <u>See attached</u> | |
| | |
| | |
| | |
| | |
| | |

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.

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

| Identifying Number/Letter | Title, Date |
|----------------------------------|--|
| 1. Document | Supplemental Information for Notice of Intent |
| 2. Table 1 | Groundwater Elevations in Vicinity of the Wetlands |
| 3. Figure 1 | Site Location Map |
| 4. Figure 2 | Site Map |
| 5. Figure 3 | Hingham Wetland Area Map |
| 6. Figure 4 | Queen Anne Lane Subdivision Map |
| 7. Figure 5 | Brook Sampling Location Map |
| 8. Drawing C-1 | Surface Discharge (unnamed Tributary to Accord Brook) Details |
| 9. Appendix A | Order of Conditions September 1987; Extension of Order of Conditions, September 1990 |
| 10. Appendix B | Wetlands Restoration Plan and Correspondence |
| 11. Appendix C | Well Logs |
| 12. Appendix D | Request for Emergency NPDES Permit Exclusion; NPDES Permit Exclusion |

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 Date printed on the Estimated Habitat Map issued
NO MAP AVAILABLE (if any) January 1991

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

Part II: Site Description

Indicate which of the following information has been provided (on a plan, in narrative description or calculations) to clearly, completely and accurately describe existing site conditions.

Identifying
Number/Letter
(of plan, narrative
or calculations)

Natural Features:

- Appendix C Soils
- Appendix B Vegetation
- Figure 3 Topography
- Figure 1 Open water bodies (including ponds and lakes)
- Figures 1,2,3 Flowing water bodies (including streams and rivers)
- Public and private surface water and ground water supplies on or within 100 feet of site
- Table 1, Fig 3 Maximum annual ground water elevations with dates and location of test
- Boundaries of resource areas checked under Part I, item 11 above
- Other

Man-made Features:

- Figure 2 Structures (such as buildings, piers, towers and headwalls)
- Figure 3 Drainage and flood control facilities at the site and immediately off the site, including culverts and open channels (with inverts), dams and dikes
- Subsurface sewage disposal systems
- Underground utilities
- Roadways and parking areas
- Figures 2,3 Property boundaries, easements and rights-of-way
- Other

Part III: Work Description

Indicate which of the following information has been provided (on a plan, in narrative description or calculations) to clearly, completely and accurately describe work proposed within each of the resource areas checked in Part I, item 11 above.

Identifying
Number/Letter
(of plan, narrative
or calculations)

Plan, View and Cross Section of:

- Structures (such as buildings, piers, towers and headwalls)
- Drawing C-1 Drainage and flood control facilities, including culverts and open channels (with inverts), dams and dikes
- Subsurface sewage disposal systems & underground utilities
- Filling, dredging and excavating, indicating volume and composition of material
- Compensatory storage areas, where required in accordance with Part III, Section 10:57 (4) of the regulations
- Wildlife habitat restoration or replication areas
- Other

Point Source Discharge

- Drawing C-1 and Supplemental info for NOI Description of characteristics of discharge from point source (both closed and open channel), when point of discharge falls within resource area checked under Part I, item 11 above, as supported by standard engineering calculations, data and plans, including but not limited to the following:

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: Bordering Vegetated Wetlands | Identifying number or letter of support documents |
| See Supplemental information to Notice of Intent, Section 3: Work Description: Discharge piping installation and Surface Water Discharge | | |

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

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

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:

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. 8½" 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.

Shell Oil Company by: *Thomas H. Carr* 4-4-91
Signature of Applicant Date

Groundwater Technology, Inc. by: *Andrew S. Wells* 4-3-91
Signature of Applicant's Representative Date

FORM 100 (TEST)
NED 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.

NOTICE OF INTENT FEE TRANSMITTAL FORM

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WETLANDS AND WATERWAYS

NOTICE OF INTENT (NOI) APPLICANT:

Name Shell Oil Company

Street P.O. Box 1703

City/Town Atlanta

State GA Zip Code 30371

Phone Number 1-800-344-7435

Project Location: Street/Lot Number Map 204 Lots 22 and 23

City/Town Hingham

DEP FILE NUMBER (if available) 34-263

NOI FILING FEE

Total NOI Filing Fee: \$ 1,000.00

State Share of Filing Fee: \$ 487.50
(1/2 of fee in excess of \$25.00)

City/Town Share of Filing Fee: \$ 512.50

PROPERTY OWNER:

Name Richard Starr George Scothorne
Deering Nursing Home

Street 1192 Main Street 1220 Main Street

City/Town Hingham Hingham

State MA Zip Code 02018

DISPUTED FEE

Total Disputed Fee: \$ _____
(as determined in Notice of
Insufficient Fee letter from
conservation commission)

State Share of Fee: \$ _____
(1/2 of total disputed fee)

City/Town Share of Fee: \$ _____
(1/2 of total disputed fee)

INSTRUCTIONS

1. Send this Fee Transmittal form with a check or money order, payable to the Commonwealth of Massachusetts, to the DEP Lock Box at:

Department of Environmental Protection
Box 4062
Boston, MA 02211

2. Attach a copy of this form to the Notice of Intent submitted to the local Conservation Commission.
3. Attach a copy of this form and a copy of the DEP check to each of the Notice of Intent forms submitted to the DEP regional office.

11/10/89

NOI FEE CALCULATION WORKSHEET

CATEGORY 1 \$55 PER ACTIVITY

| | | |
|---|-----|-----|
| Existing House/residential lot (addition, deck, porch, pool, shed, or DRIVEWAY) | \$ | No. |
| Site Preparation (removal of vegetation, excavation grading where home construction isn't proposed under this NOI) | ___ | ___ |
| Control of nuisance vegetation by removal, herbicides, etc. within a Resource Area PER LOT pursuant to 310 CHR 10.53(4) | ___ | ___ |
| Resource Area Improvement pursuant to 310 CHR 10.53 (4) other than IC above | ___ | ___ |
| SEPTIC SYSTEMS or any part thereof/repairs, placement, UPGRADE | ___ | ___ |
| Monitoring Wells/well | ___ | ___ |

CATEGORY 1 ACTIVITIES

CATEGORY 2 \$250 PER ACTIVITY

| | | |
|--|-----|-----|
| NEW single family house (SFH) INCLUDING site preparation, retention/detention basins, utilities, SEPTIC SYSTEM, roadway/driveway other than those pursuant to 310 CHR 10.53(3e) reviewed under a SINGLE NOI | ___ | ___ |
| Parking lot/ ANY size | ___ | ___ |
| Each Hourishment | ___ | ___ |
| Coastal Activities pursuant to 310 CHR 10.24 (7a-c) including 7a-Electric Generation Facilities, 7b-Public Utilities, 7c-Coastal Limited Projects including REPAIR/MAINTENANCE of EXISTING piers, buildings culverts, etc. | ___ | ___ |
| LIMITED PROJECT ACTIVITIES pursuant to 310 CHR 10.53 (a-d) AND 310 CHR 10.53 (f-1) per footprint | ___ | ___ |
| NEW agricultural/aquacultural projects | ___ | ___ |
| NEW WETLAND DRIVEWAY CROSSING associated with SFH pursuant to 310 CHR 10.53(3e) | ___ | ___ |
| ANY point source discharge | ___ | ___ |
| ANY OTHER ACTIVITY not described in categories 1, 3, 4 & 5 | ___ | ___ |

CATEGORY 2 ACTIVITIES

CATEGORY 3 \$525 PER ACTIVITY

| | | |
|--|-----|-----|
| SITE PREPARATION for ANY development other than SFH INCLUDING removal of vegetation, excavation & grading when actual construction is NOT proposed under this NOI | ___ | ___ |
| CONSTRUCTION OF EACH BUILDING within commercial, industrial, institutional, or apartment/condo/townhouse type of development, ANY PART of which is in a BUFFER ZONE or RESOURCE AREA. Associated activities: site preparation retention/detention basin construction, septic systems, parking lots, utilities, point source discharges, sewerage treatment | ___ | ___ |

plants, roadways/driveways NOT subject to 310 CHR 10.53(3e) SHALL NOT BE SUBJECT TO ADDITIONAL FEES if said activities are reviewed under a SINGLE NOI

| | | |
|--|-----|-----|
| C. Construction of EACH ROADWAY/DRIVEWAY within the Buffer zone or Coastal Floodzone NOT reviewable under 310 CHR 10.53 (3e) and NOI associated with a SFH | ___ | ___ |
| D. HAZARDOUS WASTE CLEANUP (except as noted in category 4) | ___ | ___ |

TOTAL CATEGORY 3 ACTIVITIES

CATEGORY 4 \$725 PER ACTIVITY

| | | |
|--|-----|-----|
| A. EACH WETLAND FILLING/CROSSING LIMITED PROJECT ACCESS ROADWAY/DRIVEWAY under 310 CHR 10.53 (3e) associated with COMMERCIAL, INDUSTRIAL, INSTITUTIONAL DEVELOPMENT OR RESIDENTIAL SUBDIVISION CONSTRUCTION. (*see category 2g for SFH driveways*) | ___ | ___ |
| B. Flood Control Structures (construction, REPAIR, and/or modification) | ___ | ___ |
| C. LANDFILLS-public & private | ___ | ___ |
| D. SAND & GRAVEL OPERATIONS | ___ | ___ |
| E. NEW railroad lines or EXTENSIONS of EXISTING lines | ___ | ___ |
| F. Control of NUISANCE VEGETATION under 310CHR 10.53(4) other than on a SFH lot | ___ | ___ |
| G. BRIDGES (construction, reconstruction, expansion, maintenance) ASSOCIATED with a SFH lot | ___ | ___ |
| H. Raising or lowering WATER LEVELS | ___ | ___ |
| I. ALTERATION OF RESOURCE AREA & diversion of water associated with HAZARDOUS WASTE CLEANUP, non-mosquito control projects, or for ANY OTHER PURPOSE NOT EXPRESSLY IDENTIFIED ELSEWHERE IN THIS FEE SCHEDULE | 725 | ___ |
| J. DREDGING ACTIVITIES not associated with a NEW dock, pier or other structure described in category 5 | ___ | ___ |

TOTAL CATEGORY 4 ACTIVITIES

CATEGORY 5 \$2 PER LINEAR FOOT; TOTAL FEET NOT TO BE LESS THAN \$50 NOR MORE THAN \$1000

| | | |
|--|-----|-----|
| A. Construction, reconstruction, REPAIR, or replacement of DOCKS, PIERS, REVELMENTS, DIKES, or other engineering structures on COASTAL or INLAND RESOURCE AREAS including the placement of RIP-RAP or other material on coastal or inland resource areas | ___ | ___ |
|--|-----|-----|

TOTAL CATEGORY 5 ACTIVITIES

TOTAL FILING FEE CALCULATED **\$ 975**

PERSON CALCULATING FEE SCHEDULE (Print Name)

Sarah D. King, Project Geologist
Groundwater Technology, Inc.
220 Norwood Park South
Norwood, MA 02062

Sarah D King 4/3/91

| CALCULATED | | | FEE STATEMENT | | |
|--------------------------|------|-----------|---------------|--------------|-------|
| CATEGORY | | ACTIVITY | QUANTITY | FEE/ACTIVITY | FEE |
| TYPE | USED | LETTER(S) | | | |
| 1 | | | | X \$55 | = |
| 2 | | | | X \$250 | = |
| 3 | | | | X \$525 | = |
| 4 | | I | | X \$725 | = 725 |
| 5 | | A | | X \$2/ft. | = 250 |
| Circle activities below. | | | | TOTAL | 975 |

WETLAND FEE CATEGORY SUMMARY

CATEGORY 1 : [\$55]

- a) Work on Single Family Lot: addition, pool, etc.
- b) Site work w/o house
- c) Control vegetation (SPH): removal, herbicide, etc.
- d) Resource improvement.
- e) Work on septic system separate from house.
- f) Monitoring well activities minus roadway.

CATEGORY 2 : [\$250]

- a) Construction of Single Family House (SPH)
- b) Parking lot.
- c) Beach nourishment.
- d) Electric Generating Facility activities.
- e) Inland Limited Projects minus road crossings.
- f) New agricultural or aquacultural projects.
- g) Each crossing for driveway to SPH.
- h) Any point source discharge.

CATEGORY 3 : [\$525]

- a) Site preparation (for development) beyond NOI scope.
- b) Each building (for development) including site.
- c) Road construction not crossing or driveway.
- d) Hazardous clean up.

CATEGORY 4 : [\$725]

- a) Each crossing for development or commercial road.
- b) Dam, sluiceway, tidegate work.
- c) Landfill.
- d) Sand & gravel operation.
- e) Railroad line construction.
- f) Control vegetation in development (<SPH):
- g) Bridge (<SPH).
- h) Water level variation.
- i) Hazardous waste alterations to resource area.
- j) Dredging.
- k) Package treatment plant & discharge.

CATEGORY 5 : [\$2/linear foot | min. \$50, max. \$1000]

- a) Docks, piers, revetments, dikes, etc. (coastal or inland).

CATEGORY 10.00 II D: Exemptions - () Town, () State.

FINAL AMENDMENTS TO 801 CMR 4.02
Wetlands Fee Regulations Pursuant to M.G.L. c. 131 s.40
and c. 236, s.10, Acts 1988

Section 310 of 801 CMR 4.02 is hereby amended by adding the following new subsection:

Division of Wetlands and Waterways Regulation

(1) Wetlands Filing Fees - Notice of Intent and Abbreviated Notice of Intent

Each Notice of Intent required to be filed on or after August 1, 1989 with a local conservation commission if any, or other issuing authority, pursuant to 310 CMR 10.00 shall be accompanied by a filing fee. The amount of the filing fee for each category of activity, which categories are defined by the regulations of the Department of Environmental Quality Engineering, 310 CMR 10.00, shall be determined by reference to the schedule set forth below. The fee for work proposed under a single Notice of Intent that involves more than one activity shall be determined by adding the fees for each proposed activity.

| | |
|--|-------------------|
| Category 1 | \$ 55 |
| Category 2 | 250 |
| Category 3 | 525 |
| Category 4 | 725 |
| Category 5, provided that the fee for the category shall not be less than \$50 nor more than \$1,000 | 2 per linear foot |

Amounts collected by local conservation commissions on behalf of the Commonwealth pursuant to the provisions of M.G.L. chapter 131 section 40 shall be paid over monthly to the Department of Environmental Quality Engineering at such time and in such manner as prescribed by the commissioner of said department.

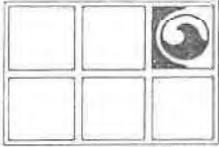
No fee shall be assessed for projects of the federal government, the Department of Environmental Quality Engineering, or cities and towns of the Commonwealth.

(2) Wetlands Filing Fees - Requests for Action by the Department

- | | |
|--|----|
| (a) Request for Superseding Determination of Applicability | 50 |
| (b) Request for Superseding Order of Conditions | 50 |

| | | |
|-----|--|------|
| (c) | Request for Adjudicatory Hearing | 200 |
| (d) | Request to Intervene in Adjudicatory Hearing | 100 |
| (e) | Request for a Variance | 4000 |

No fee shall be assessed for a Request for Adjudicatory Hearing or for a Request to Intervene in an Adjudicatory Hearing filed by a Conservation Commission



**GROUNDWATER
TECHNOLOGY, INC.**

220 Norwood Park South, Norwood, MA 02062 U.S.A. (617) 769-7600

Telex: 92-8420 Fax: (617) 769-7785

**SUPPLEMENTAL INFORMATION
FOR A NOTICE OF INTENT**

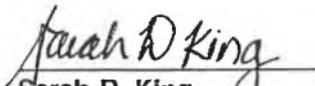
**1192 AND 1220 MAIN STREET
HINGHAM, MASSACHUSETTS**

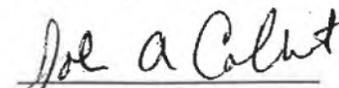
**SERVICE STATION REFERENCE:
SHELL OIL COMPANY SERVICE STATION
(FORMER QUEEN ANNE'S ARCO)
10 WASHINGTON STREET
NORWELL, MASSACHUSETTS**

PREPARED FOR:

**TOWN OF HINGHAM
CONSERVATION COMMISSION**

APRIL 3, 1991


Sarah D. King
Project Geologist


John A. Colbert
Civil Engineer


Mitchell A. Wiest
District Hydrogeologist

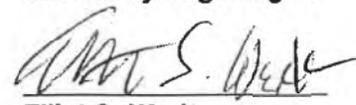

Elliot S. Werk
Hydrogeologist
Territory Manager

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TABLES

Table 1: Groundwater Elevations in Vicinity of Wetlands

FIGURES

Figure 1: Site Location Map

Figure 2: Site Map

Figure 3: Hingham Wetland Area Map

Figure 4: Queen Anne Lane Subdivision Map

Figure 5: Brook Sampling Location Map

Drawing C-1: Surface Discharge (Unnamed Tributary to Accord Brook) Details

APPENDICES

Appendix A: Order of Conditions, September 1987, Extension, September 1990

Appendix B: Wetlands Restoration Plan and Correspondence

Appendix C: Well Logs

Appendix D: Request for Emergency NPDES Permit Exclusion; NPDES Permit Exclusion

SUPPLEMENTAL INFORMATION FOR A NOTICE OF INTENT

1. INTRODUCTION

1.1 Background

In late 1985, Shell Oil Company acquired the lease of a gasoline service station located at 10 Washington Street in Norwell, Massachusetts from Atlantic Richfield Corporation (ARCO). The location of the subject site is presented on a Site Location Map included as **Figure 1**. ARCO had been involved in remedial activities at the service station and at an undeveloped property immediately to the north of the station since early 1984, when a gasoline inventory loss was discovered at the ARCO station. ARCO responded to the discovery of the loss by installing monitoring wells on the station property and on adjacent properties, and by installing a groundwater remediation system consisting of three recovery wells, a groundwater interceptor trench, a water treatment system, and several recharge pits for the recharge of treated groundwater.

ARCO continued to manage remediation activities at the station, including operation of the groundwater remediation system, until March 3, 1989, when, pursuant to an agreement between Shell and ARCO, Shell assumed management of ongoing groundwater remediation activities at the former ARCO service station. A Site Map showing the location of the present site monitoring wells and remediation equipment is presented as **Figure 2**.

During ARCO's installation of the groundwater interceptor trench (which is located within the bordering vegetated wetlands), a Notice of Intent was prepared, submitted and approved by the Town of Hingham Conservation Commission on September 21, 1987. A copy of the approved Order of Conditions is included in **Appendix A**.

An extension of the Order of Conditions was requested by Shell Oil Company and was granted by the Hingham Conservation Commission on August 27, 1990, extending the Order to September 21, 1993. A copy of the Extension permit is included in **Appendix A**.

1.2 Short Term Measure Activities

A Short Term Measure (STM) was approved by The Commonwealth of Massachusetts Department of Environmental Protection (DEP) on April 10, 1990. The STM included the installation of six 8-inch diameter pumping wells in a location hydraulically upgradient of the wetlands area and the unnamed tributary to Accord Brook. The purpose of the STM is to inhibit the migration of dissolved-phase petroleum hydrocarbons into the unnamed tributary and mitigate any potential threat to downstream drinking water supplies (located approximately one-mile hydraulically downgradient of the subject site). The location of the six STM pumping wells is within the 100-foot buffer zone of the wetlands area as mapped by a local botanist. Approximately 20 gallons per minute (gpm) of groundwater is currently pumped from the six wells, is treated in an area outside of the wetlands buffer zone and is discharged to nine subsurface recharge pits, also in a location outside of the buffer zone.

The proposed locations of the STM pumping wells were approved by Mr. Joseph Stigliani, Conservation Officer for the Town of Hingham Conservation Commission on April 19, 1990. Mr. Stigliani requested that the wells be installed a minimum distance of 25 feet from the flagged bordering vegetated wetlands; that a siltation fence be installed between the work area and the wetlands; that spoils from previous drilling activity in the area of the wetlands be raked out; and that the wetlands area where ARCO's interceptor trench was installed be restored to its original condition as per the Order of Conditions. Mr. Stigliani also noted that the Order of Conditions would expire in September 1990 and an extension request should be submitted to the Conservation Commission.

Shell Oil Company complied with Mr. Stigliani's requests, including applying for an extension of the Order of Conditions. Shell Oil Company also contracted New England Environmental of Amherst Massachusetts to prepare a wetlands restoration plan for submittal to the Hingham Conservation Commission. The plan was approved and the restoration completed by October 14, 1990. A copy of this plan and completion reports are attached as **Appendix B**.

2. SITE DESCRIPTION

2.1 Soils

Soils that have been encountered within the wetlands are composed of several inches of topsoil underlain by dark brown medium to fine sand underlain by grey, coarse to fine sand and gravel. These soils were encountered at nine different locations during the installation of the hand augured wellpoints. Approval was granted by Mr. Stigliani prior to installation of these hand augured well points (a copy of the letter is included in Appendix B). The depth of the wellpoints ranged from 3 to 4.5 feet below grade. Well logs depicting soil descriptions and wellpoint installation specifications are attached as **Appendix C**.

2.2 Groundwater Conditions

Groundwater levels and one surface water point have been gauged monthly for the past two years from monitoring wells in the vicinity of the wetland area and from the unnamed tributary as shown on The Hingham Wetland Area Map (**Figure 3**). The hand-augured wellpoints in the wetland area have been gauged several times since installation in December 1990. Based on gauging data obtained from the monitoring wells and from the location within the unnamed tributary, the maximum annual groundwater elevations range from 133.28 feet above mean sea level (MSL) at the surface water location BRK-1 to 137.7 feet above MSL in monitoring well MW-33s (equivalent to 2.31 feet below grade). The depth to water within the wellpoints ranges from 0 to 2 feet below grade. Standing water is present in several areas within the wetlands.

2.3 Vegetation

Vegetation in the wetlands area, as observed prior to and during the wetlands restoration, include: spotted jewelweed, tussock, sedge, boneset, Carex spp., soft rush, red maple saplings, green ash saplings, northern arrow-wood shrubs and silky dogwood shrubs. During the wetlands restoration, the following additional shrubs were planted: swamp white oak, winterberry holly and highbush blueberry. A description of existing plants and those planted by New England Environmental are included in Appendix B.

2.4 Topography

The topography of the area is shown on Figure 3.

2.5 Open Water Bodies/Flowing Water Bodies

Open water bodies in the vicinity of the subject site are shown on the Site Location Map included as Figure 1. The only open water body in the vicinity of the subject site is the unnamed tributary to Accord Brook. The unnamed tributary flows as open channel flow for approximately 320 feet then enters a 15-inch diameter concrete reinforced culvert pipe which transmits the surface water beneath the Queen Anne Lane subdivision through a storm drain system surfacing at a location behind 10 Queen Anne Lane. The configuration of the storm drain system is included on the Queen Anne Lane Subdivision Map included as Figure 4.

As part of the monitoring program for the subject site, water samples have been collected monthly since March 1989 from at least eight locations in the unnamed tributary to Accord Brook and in Accord Brook. This sampling program allows for the determination of the presence/absence of dissolved-phase petroleum hydrocarbons in the unnamed tributary as the water flows downstream. A map showing the unnamed tributary and the water sampling locations including the three most recent analytical results is included as Figure 5. A summary of analytical results of samples collected within the unnamed tributary between March 1989 and December 1990 is attached as Table 1.

2.6 Public and Private Surface Water and Groundwater Supplies on or Within 100 Feet of the Site

No public or private water supplies are located within 100 feet of the wetlands area. Municipal water services the area of the subject site and Town wells are located approximately one mile to the north and northeast of the wetlands area (shown on Figure 1).

2.7 Boundaries of Bordering Vegetated Wetlands

The bordering vegetated wetland was flagged by a botanist from Hayward, Boynton and Williams Surveyors of Brockton, Massachusetts, for delineation of the wetlands area on a site map. These wetlands are depicted on Figure 2 and Figure 3.

2.8 Other Man-Made Features

Surrounding buildings, Main Street property boundaries, underground utilities and the headwall to the culvert to the underground culvert are all included on the Site Map included as Figure 2.

3. WORK DESCRIPTION: DISCHARGE PIPING INSTALLATION AND SURFACE WATER DISCHARGE

3.1 Scope of Work and Purpose

Groundwater Technology, on behalf of Shell Oil Company, proposes with this Notice of Intent to discharge up to 50 gpm of treated groundwater to the unnamed tributary to Accord Brook. The discharge will be accommodated by an aboveground, 125 foot long, 4-inch diameter black malleable steel pipe installed across the bordering vegetated wetlands. The discharge water emanates from a groundwater pumping and treatment system located outside of the wetlands area. The treatment system removes dissolved-phase petroleum hydrocarbons from the groundwater to levels below state and federal drinking water standards. Treated groundwater is then discharged to subsurface recharge pits (20 gpm) and upon approval of this NOI, to the unnamed tributary (50 gpm). Water leaving the treatment system is sampled once per month and analyzed for benzene, toluene, ethyl benzene, and xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by modified EPA approved Method 602.

The purpose of discharging water to the unnamed tributary to Accord Brook is to increase the discharge capabilities of the pumping and treatment system to design capacity, thus providing increased reduction in the petroleum hydrocarbons migrating towards the wetland area and the unnamed tributary. An ancillary benefit of the discharge to the unnamed tributary is that by increasing the flow of the tributary water, and reducing the standing time for the occasionally stagnant water in the tributary, "skunk-like" odors in the wetlands area will be reduced. This "skunk-like" odor is attributed to the presence of petroleum hydrocarbons (ranging from 9.2 to 1,700 parts per billion of BTEX) in the unnamed tributary. The water in the unnamed tributary is often stagnant during the dry season.

The current discharge ability of the nine recharge pits is 20 gpm. Optimal pumping rate of the groundwater pumping well system is 60 to 70 gpm. By discharging up to 50 gpm into the unnamed tributary and 20 gpm to the subsurface recharge pits, the optimal pumping rate can be achieved and the objective of the STM system (reducing the migration of petroleum hydrocarbons into the unnamed tributary) attained. An additional recharge gallery located near the recharge pits is also being designed to handle approximately 10 to 20 gpm of discharge water. The combination of the three discharge options (the existing recharge pits, the new recharge gallery, and discharge to the unnamed tributary) will enable complete ability to discharge more than 70 gpm of treated groundwater, and provide for future expansion possibilities.

3.2 Installation Specifications

A 4-inch diameter PVC pipe currently extends from outside the wetlands area to the former interceptor trench. The underground PVC pipe will be accessed at the edge of the wetlands and will be brought to the surface using two 90° malleable iron adaptors. A 4-inch diameter steel pipe will be connected to the iron adaptor and will extend 125 feet across the bordering vegetated wetlands to the unnamed tributary at approximately 6 inches above the ground surface. The steel pipe will be supported by pressure treated wooden posts (4-inch by 4-inch) installed every 12 feet. The wood posts will be installed within 8-inch diameter holes dug by hand to approximately 2.5 feet below grade and backfilled with 3/4-inch washed stone. At the unnamed tributary, another 90° malleable iron adaptor will be connected to the steel pipe to bring the water flow to the tributary surface. Riprap (12-inch wide flat stones) will be installed in the unnamed tributary channel bottom from bank to bank and extending for 4 feet downstream of the outfall to avoid scouring. No heavy equipment will be utilized during construction. Any soils generated from digging the wood post holes will be screened with a portable photoionization detector and removed if levels of hydrocarbons above background levels are encountered. **Drawing C-1** details in plan view and in profile view the area of the aboveground piping and discharge location as well as construction details.

3.3 Downstream Influence of Discharge

An evaluation of the water flow within the culvert system was performed to identify the effects the addition of 50 gpm of water would have on the culvert system.

Based upon available information and a survey conducted by Groundwater Technology personnel, it was determined that water in the unnamed tributary flows as open channel flow for approximately 320 feet from the beginning of the tributary in the wetlands area to a 15-inch diameter reinforced concrete culvert pipe. The culvert pipe collects water from the unnamed tributary and from catch basins along Queen Anne Lane (runoff water) and diverts this flow of water beneath the Queen Anne Lane subdivision through a series of underground pipes. Information concerning design calculations of flow capacities of the culvert system were not available from town officials. As a result, flow capacities were calculated with information gathered during the survey and from a proposed Subdivision Plan for Queen Anne Lane provided by the Hingham Highway Department.

Groundwater Technology engineers utilized the Manning Equation to calculate the maximum amount of water that can flow through the underground piping and culvert system. The Chezy-Manning Equation is

a standard equation relating the flow rate of fluid through a channel to size and slope of the channel, the roughness (friction) of the channel material and the amount of fluid in the channel.

$$Q = \frac{1.486}{n} (A)(R^{2/3})(S^{1/2}) \text{ (Chezy-Manning Equation)}$$

- Q = Flow in cubic feet per second
- n = Roughness coefficient for pipe (unitless)
- R = Hydraulic radius (ft)
- S = Slope of pipe (unitless)

Assumption: Full flow conditions

Maximum flow rates were calculated for five individual sections of underground piping assuming full pipes and a roughness coefficient for reinforced concrete pipe (Standard Handbook for Civil Engineers, 3rd edition, 1983). The location of the five sections of pipe and profile views of the system are presented on Drawing C-1. The results of the calculations, summarized below, indicate maximum flow rates ranging from 3.52 ft³/sec to 15.38 ft³/sec.

1. Unnamed tributary to catch basin CB-1 = 9.46 ft³/sec
2. Catch basin CB-1 to catch basin CB-2 = 3.52 ft³/sec
3. Unnamed tributary to catch basin CB-2 = 8.03 ft³/sec
4. Catch basin CB-2 to catch basin CB-2B = 9.23 ft³/sec
5. Catch basin CB-2B to outlet behind 10 Queen Anne Lane = 15.38 ft³/sec

Based on the results of the calculations, the section of underground culvert pipe connecting catch basin CB-1 to catch basin CB-2 has the smallest capacity and as a result is the limiting section of the pipe. The maximum flow rate for this section of pipe is 3.52 ft³/sec or 1,578 gpm. Flow rates within the two branches of the unnamed tributary that discharge into the culvert pipe were measured on March 21, 1991. All flow rates were less than one (1) gpm and the total combined flow was also less than one (1) gpm.

Based on calculated flow capabilities, the observed flow rate and the intended use of the unnamed tributary and underground piping system (diversion of water under the Queen Anne Lane Subdivision and collection of storm water runoff), the addition of 50 gpm of water (3% of the design capacity of the underground pipe system) will have little or no adverse impact to the capacity of the system.

3.4 Mitigating Measures

The limit of the work area for the installation of the steel pipe across the bordering vegetated wetlands will be restricted to a 5 to 10 foot width around the aboveground pipe area. Hay bales and/or siltation fences will be installed around the work area to prevent any runoff of silt into the unnamed tributary. Signs will be posted adjacent to the aboveground pipe to avoid potential tripping hazards.

3.5 Monitoring of Stream Discharge

The monthly unnamed tributary sampling program will continue following startup of stream discharge. Based on the tributary sampling data obtained over the past two years and data obtained by sampling the tributary after startup of the discharge system, any changes in hydrocarbon concentrations within the tributary will be observed. The effect of the discharge on odor levels will also be qualitatively monitored.

TABLE 1
 SURFACE WATER ANALYTICAL RESULTS: 3/89 - 12/90
 BTEX and MTBE by modified EPA approved Method 602
 Results in parts per billion (ppb)

| Date | BRK-1 | | BRK-2 | | BRK-3 | | BRK-4 | | BRK-5 | |
|----------|-------|------|-------|------|-------|------|-------|------|-------|------|
| | BTEX | MTBE |
| 3/22/89 | 140 | 1100 | 1000 | 1000 | 850 | 1700 | | | | |
| 4/12/89 | 510 | 390 | 360 | 310 | BDL | 15 | | | | |
| 6/20/89 | 360 | 1200 | 9.2 | 62 | BDL | 8.5 | | | | |
| 7/21/89 | 120 | 1200 | 200 | 1900 | 140 | 780 | | | | |
| 8/23/89 | 520 | 3400 | 820 | 2600 | BDL | 17 | | | | |
| 9/12/89 | 1100 | 2600 | 430 | 670 | BDL | 7.9 | 0.5 | 27 | BDL | 17 |
| 10/27/89 | 500 | 720 | 1000 | 1600 | BDL | 26 | 84 | 230 | BDL | 85 |
| 11/27/89 | 710 | 1400 | 760 | 1100 | BDL | 29 | 55 | 140 | BDL | 39 |
| 12/11/89 | 930 | 140 | 920 | 1100 | BDL | 29 | 49 | 110 | BDL | 28 |
| 1/9/90 | 530 | 420 | 520 | 410 | BDL | 32 | 24 | 62 | BDL | 20 |
| 2/17/90 | | | 750 | 630 | 0.2 | 23 | 90 | 110 | 7.3 | 36 |
| 3/21/90 | | | 570 | 430 | BDL | 18 | 80 | 86 | 6 | 29 |
| 4/20/90 | | | 100 | 63 | 0.2 | 13 | 60 | 70 | 0.5 | 16 |
| 5/11/90 | | | 580 | 470 | BDL | 13 | 36 | 60 | 0.5 | 15 |
| 6/26/90 | | | 1600 | 580 | BDL | 9.5 | 66 | 71 | BDL | 12 |
| 7/19/90 | | | 1800 | 460 | | | 11 | 30 | BDL | 5.1 |
| 8/15/90 | | | 1700 | 620 | 140 | 98 | BDL | 8 | BDL | 21 |
| 9/12/90 | | | 1700 | 860 | BDL | 2.6 | BDL | 4.9 | BDL | 4.7 |
| 10/5/90 | | | | | | | | | | |
| 10/17/90 | | | 2000 | 680 | BDL | 5.7 | 69 | 59 | BDL | 13 |
| 11/28/90 | | | 1900 | 560 | BDL | 13 | 13 | 21 | BDL | 3.5 |
| 12/18/90 | | | 480 | 300 | BDL | 15 | 10 | 30 | BDL | 7.5 |

BTEX = benzene, toluene, ethylbenzene and xylenes

MTBE = methyl tertiary butyl ether

BDL = Below Method Detection Limit for each BTEX compound

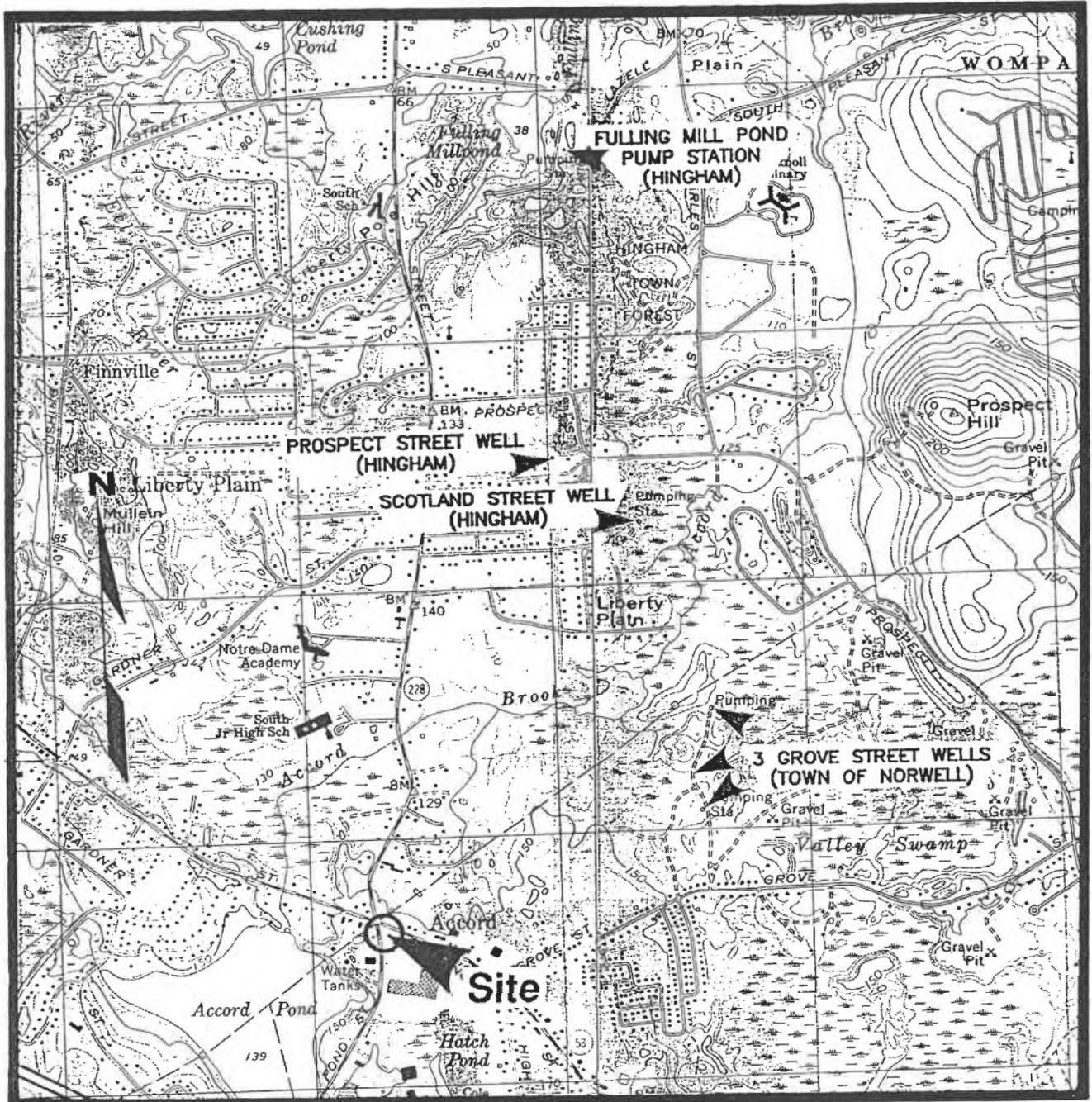
TABLE 1 (cont.)
 SURFACE WATER ANALYTICAL RESULTS: 3/89 - 12/90
 BTEX and MTBE by modified EPA approved Method 602
 Results in parts per billion (ppb)

| Date | BRK-6 | | BRK-7 | | BRK-8 | | BRK-9 | | BRK-10 | |
|----------|-------|------|-------|------|-------|------|-------|------|--------|------|
| | BTEX | MTBE | BTEX | MTBE | BTEX | MTBE | BTEX | MTBE | BTEX | MTBE |
| 3/22/89 | | | | | | | | | | |
| 4/12/89 | | | | | | | | | | |
| 6/20/89 | | | | | | | | | | |
| 7/21/89 | | | | | | | | | | |
| 8/23/89 | | | | | | | | | | |
| 9/12/89 | BDL | 1.4 | | | | | | | | |
| 10/27/89 | BDL | 5.7 | BDL | BDL | BDL | BDL | | | | |
| 11/27/89 | BDL | 2.9 | BDL | BDL | BDL | BDL | | | | |
| 12/11/89 | BDL | 5.3 | BDL | BDL | BDL | BDL | | | | |
| 1/9/90 | BDL | 2.4 | | | | | | | | |
| 2/17/90 | 0.3 | 2.9 | | | | | 20 | 51 | 7.4 | 36 |
| 3/21/90 | BDL | 4.1 | | | | | 16 | 40 | 3.8 | 26 |
| 4/20/90 | BDL | BDL | | | 0.3 | BDL | 5.5 | 24 | 0.6 | 14 |
| 5/11/90 | BDL | 1.1 | | | BDL | BDL | 3.9 | 24 | 0.5 | 14 |
| 6/26/90 | BDL | 1.4 | | | | | BDL | 17 | BDL | 13 |
| 7/19/90 | BDL | BDL | | | | | BDL | 7.9 | BDL | 6.9 |
| 8/15/90 | BDL | 2.5 | | | BDL | BDL | 0.3 | 30 | BDL | 21 |
| 9/12/90 | BDL | 0.9 | | | | | BDL | 6.9 | BDL | 4.3 |
| 10/5/90 | | | | | | | | | | |
| 10/17/90 | BDL | BDL | | | BDL | BDL | BDL | 19 | BDL | 12 |
| 11/28/90 | BDL | BDL | | | BDL | BDL | BDL | 6.8 | BDL | 4.4 |
| 12/18/90 | BDL | BDL | | | BDL | BDL | BDL | 12 | BDL | 8 |

FIGURE 1

SITE LOCATION MAP

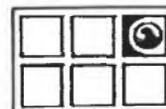
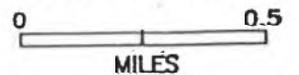
SHELL/NORWELL
10 WASHINGTON STREET
NORWELL, MA.



SOURCE: U.S.G.S. WEYMOUTH, MA. (P.R. 1979) & COHASSET, MA. (1974)
QUADRANGLE MAPS

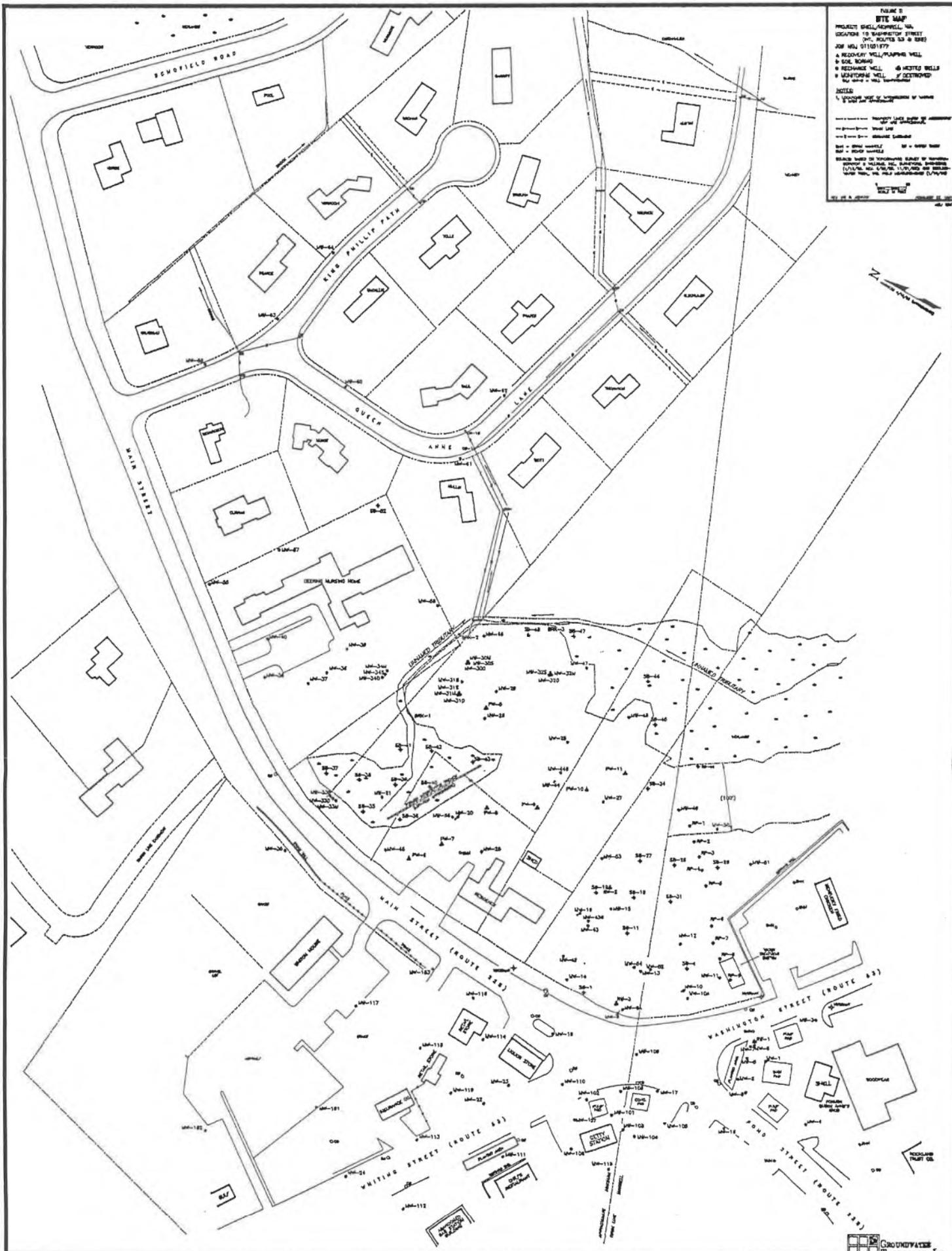
U.T.M. COORDINATES; 344,238E; 4,670,635N; 19N.
LAT., LONG.: 42°10'28"N; 71°53'04"W.

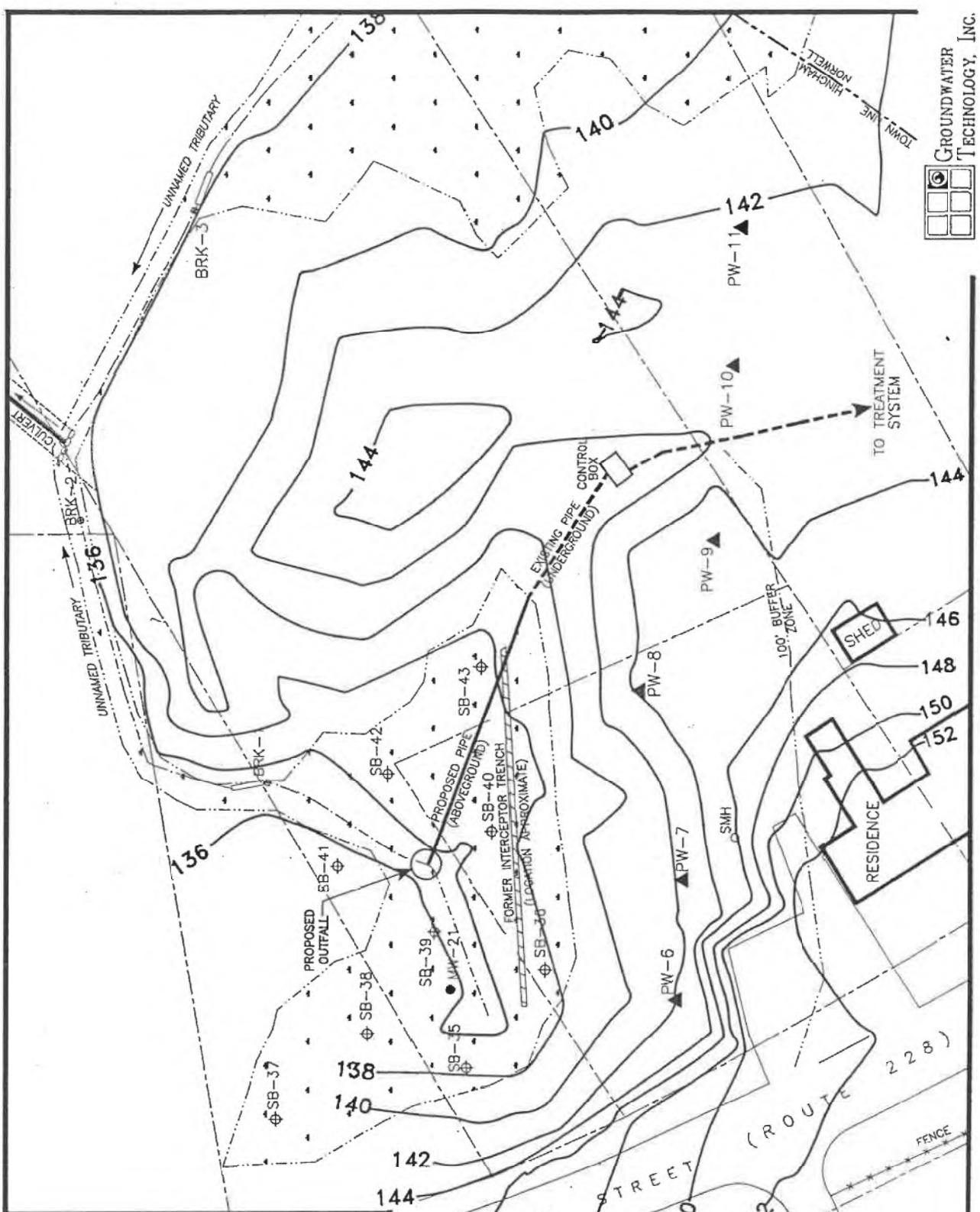
SCALE: 1" = 2083'



GROUNDWATER
TECHNOLOGY, INC.

FIGURE 2





GROUNDWATER
TECHNOLOGY, INC.

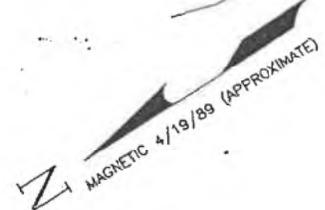
FIGURE 3
HINGHAM WETLAND AREA MAP
 PROJECT: SHELL/NORWELL, MA.
 LOCATION: 10 WASHINGTON STREET
 (INT. ROUTES 53 & 228)

JOB NO.: 011051977

- ⊕ SOIL BORING
- ▲ RECOVERY WELL
- MONITORING WELL
- EX: MW-1 - WELL IDENTIFICATION
- PROPERTY LINE

SOURCE: BASED ON TOPOGRAPHIC SURVEY BY
 HAYWARD-BOYNTON & WILLIAMS, INC. SURVEYORS
 ENGINEERS: (4/18/88 REV. 5/20/89 11/21/89);
 AND GROUNDWATER TECHNOLOGY, INC. FIELD
 MEASUREMENTS (1/10/90)

DRAWN BY: K. WILKINSON
 MARCH 27, 1991
 NO.: 001



WHITEN HOUSE

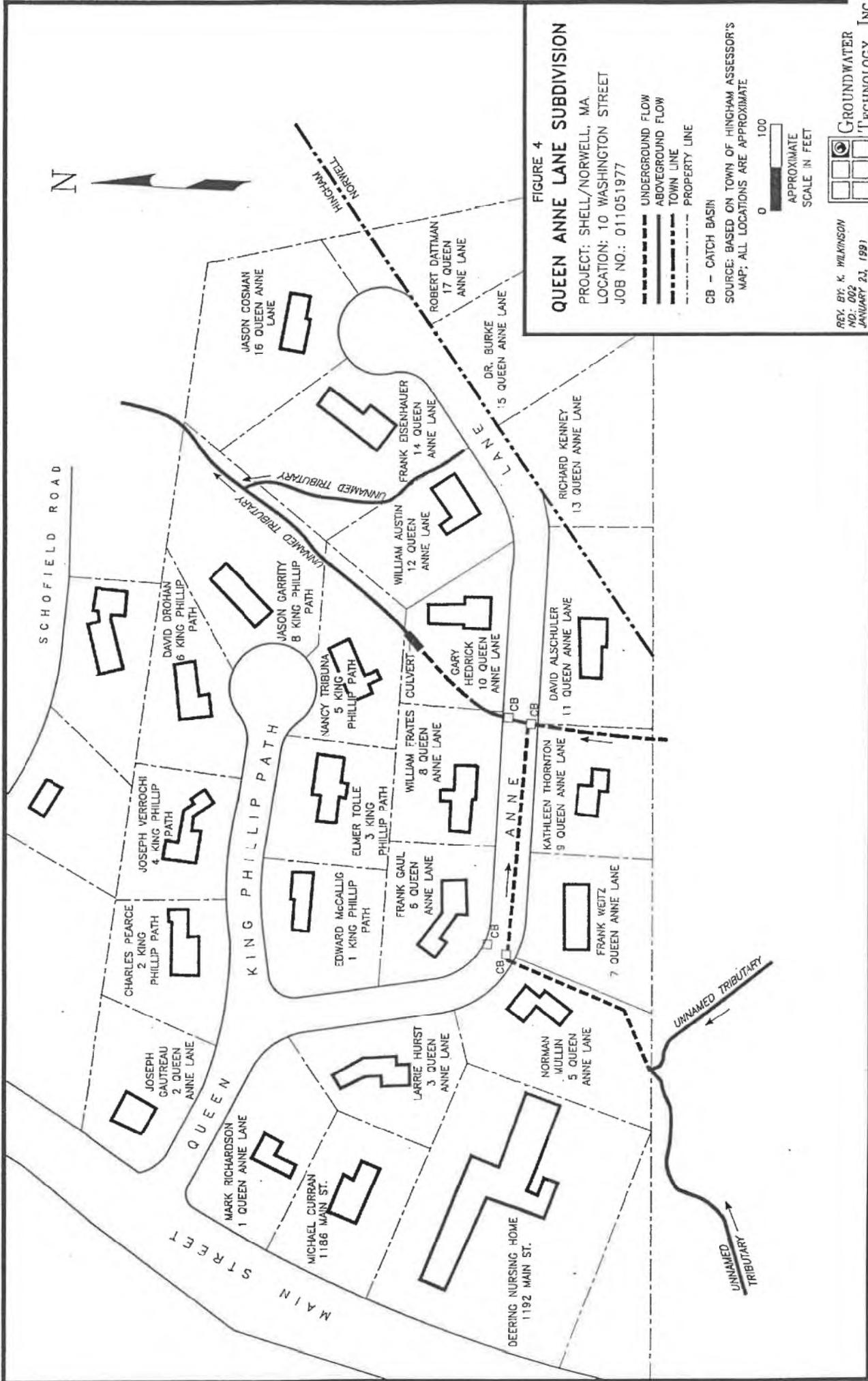


FIGURE 4

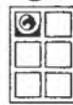
QUEEN ANNE LANE SUBDIVISION

PROJECT: SHELL/NORWELL, MA
 LOCATION: 10 WASHINGTON STREET
 JOB NO.: 011051977

- UNDERGROUND FLOW
- ABOVEGROUND FLOW
- TOWN LINE
- - - PROPERTY LINE

CB - CATCH BASIN

SOURCE: BASED ON TOWN OF HINGHAM ASSESSOR'S
 MAP: ALL LOCATIONS ARE APPROXIMATE



REV. BY: K. WILKINSON
 NO.: 002
 JANUARY 23, 1991

GROUNDWATER
 TECHNOLOGY, INC.

SCHOFIELD ROAD

N

KING PHILLIP PATH

QUEEN ANNE LANE

MAIN STREET

TEIKON WPTD

QUEEN ANNE LANE

QUEEN ANNE LANE

QUEEN ANNE LANE

UNNAMED TRIBUTARY

UNNAMED TRIBUTARY

JASON COSMAN
15 QUEEN ANNE LANE

ROBERT DATTMAN
17 QUEEN ANNE LANE

FRANK EISENHauer
14 QUEEN ANNE LANE

WILLIAM AUSTIN
12 QUEEN ANNE LANE

RICHARD KENNEY
13 QUEEN ANNE LANE

GARY HEDRICK
10 QUEEN ANNE LANE

KATHLEEN THORNTON
9 QUEEN ANNE LANE

FRANK WEITZ
7 QUEEN ANNE LANE

DEERING NURSING HOME
1192 MAIN ST.

LARRIE HURST
3 QUEEN ANNE LANE

NORMAN MULLIN
5 QUEEN ANNE LANE

EDWARD McCallig
1 KING PHILLIP PATH

FRANK GAUL
5 QUEEN ANNE LANE

WILLIAM FRATES
8 QUEEN ANNE LANE

ELMER TOLLE
3 KING PHILLIP PATH

NANCY TRIBUNA
5 KING PHILLIP PATH

JASON GARRITY
8 KING PHILLIP PATH

DAVID DROHAN
6 KING PHILLIP PATH

CHARLES PEARCE
2 KING PHILLIP PATH

JOSEPH VERROCHI
4 KING PHILLIP PATH

JOSEPH CAUTREAU
2 QUEEN ANNE LANE

MARK RICHARDSON
1 QUEEN ANNE LANE

MICHAEL CURRAN
1186 MAIN ST.

CB

CB

CB

CB

CB

CB

FIGURE 5

BROOK SAMPLING LOCATION MAP

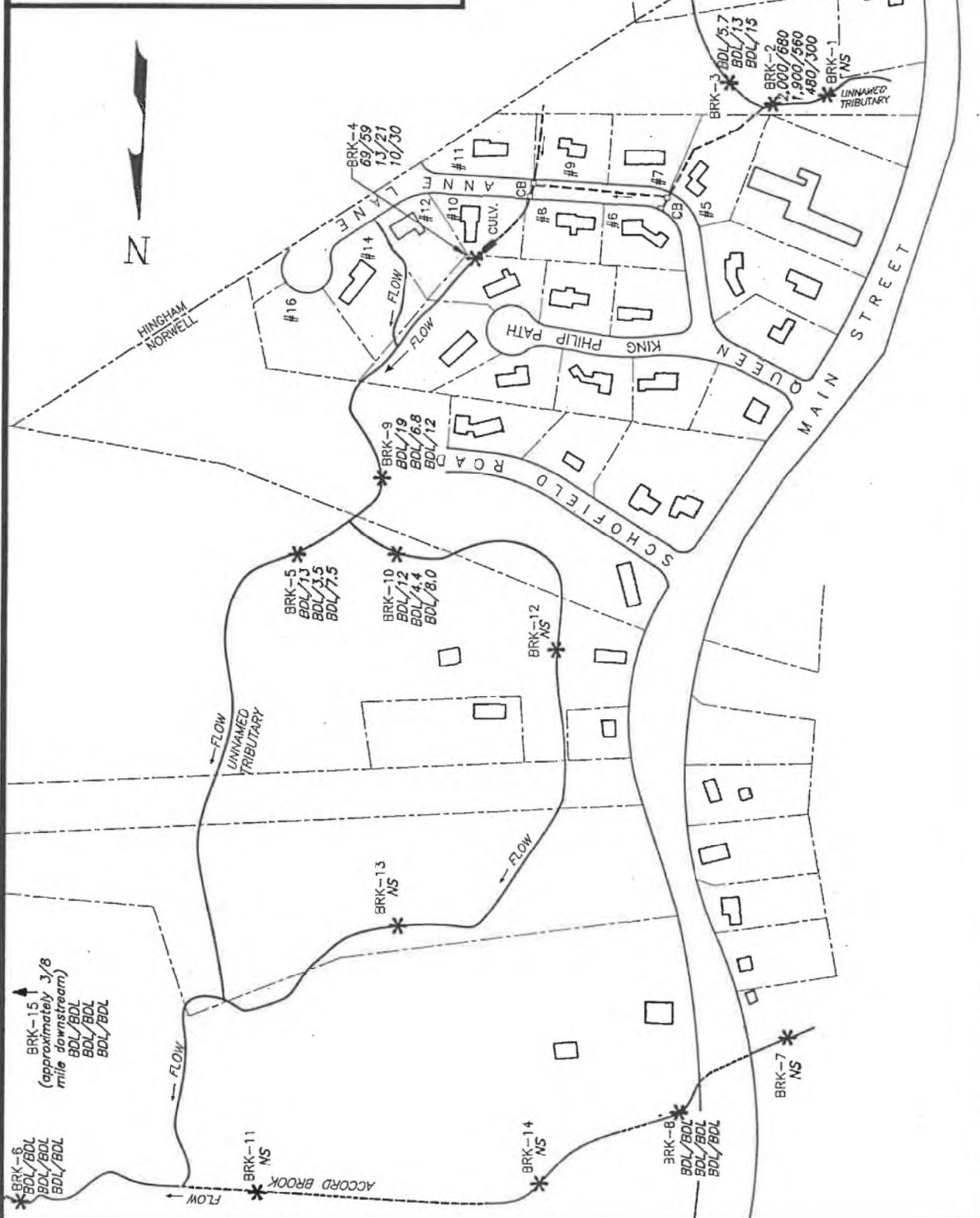
PROJECT: SHELL/NORWELL, MA
 LOCATION: 10 WASHINGTON STREET
 JOB NO.: 011051977
 * -- BROOK SAMPLING LOCATION
 EX: BRK-2 -- BROOK SAMPLING LOCATION
 2,000/680 -- SAMPLED 10/17/90
 1,900/560 -- SAMPLED 11/28/90
 480/300 -- SAMPLED 12/18/90
 TOTAL BTX/MTBE IN PPB

NS -- NOT SAMPLED
 BDL -- BELOW METHOD DETECTION LIMITS
 --- UNDERGROUND BROOK
 --- ABOVEGROUND BROOK
 --- TOWN LINE
 --- PROPERTY LINE

SOURCE: BASED ON TOWNS OF NORWELL AND HINGHAM ASSESSOR'S MAPS; ALL LOCATIONS ARE APPROXIMATE

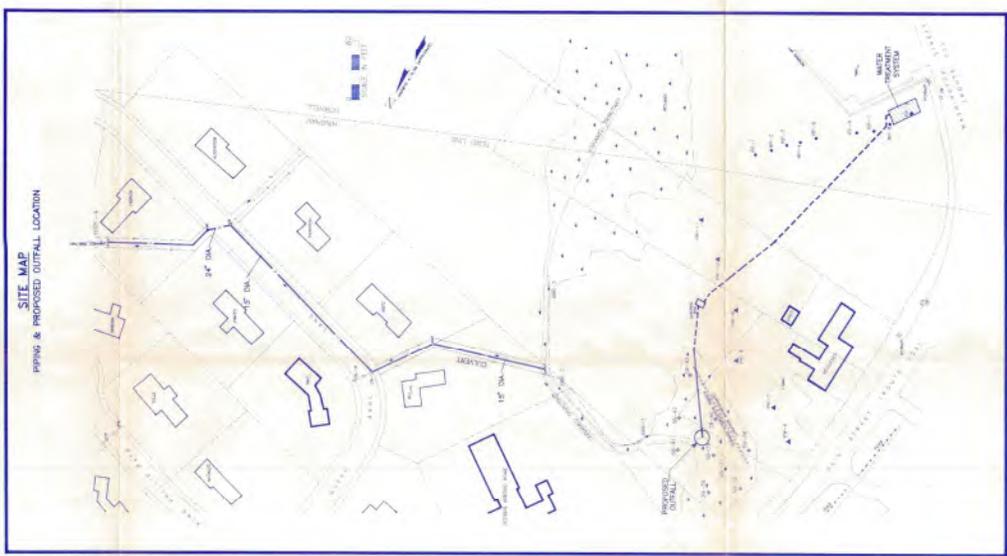
0 200
 --- APPROXIMATE SCALE IN FEET

REV. BY: P. DETAZIO JANUARY 17, 1990 NO. 007



GROUNDWATER TECHNOLOGY, INC.

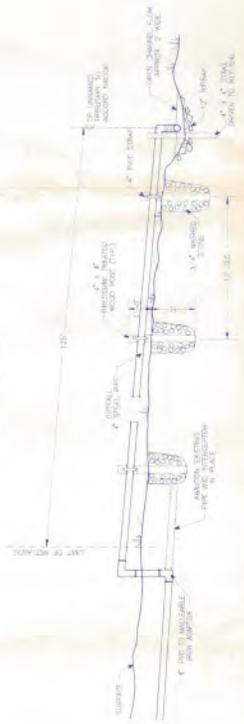
| NO. | DATE | BY | REVISION |
|-----|------|----|----------|
| | | | |



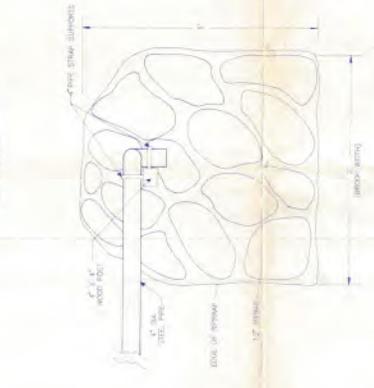
PROPOSED PIPING PROFILE



PROPOSED OUTFALL DETAIL



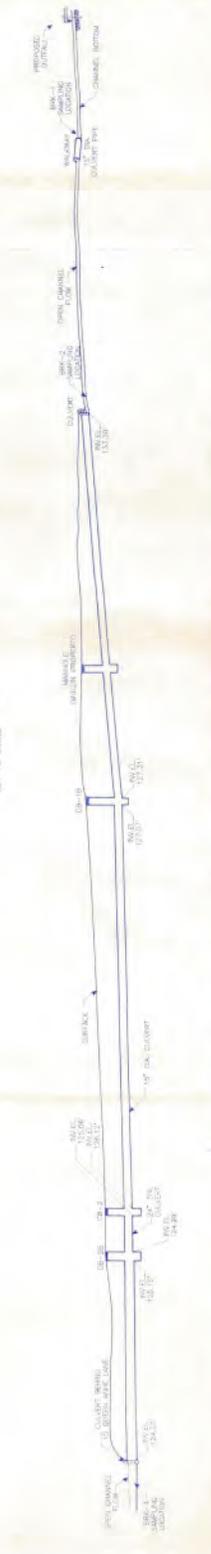
PROPOSED OUTFALL PLAN



NOTES:

- 1) UNLESS OTHERWISE NOTED, ALL DIMENSIONS TO BE MAINTAINED TO 1/8" TOLERANCE UNLESS OTHERWISE NOTED.
- 2) ALL DIMENSIONS TO BE MAINTAINED TO 1/8" TOLERANCE UNLESS OTHERWISE NOTED.
- 3) ALL DIMENSIONS TO BE MAINTAINED TO 1/8" TOLERANCE UNLESS OTHERWISE NOTED.
- 4) ALL DIMENSIONS TO BE MAINTAINED TO 1/8" TOLERANCE UNLESS OTHERWISE NOTED.
- 5) ALL DIMENSIONS TO BE MAINTAINED TO 1/8" TOLERANCE UNLESS OTHERWISE NOTED.
- 6) ALL DIMENSIONS TO BE MAINTAINED TO 1/8" TOLERANCE UNLESS OTHERWISE NOTED.

PROFILE OF STREAM DISCHARGE



GROUNDWATER TECHNOLOGY, INC.
 225 ADDRESS RD. SOUTH
 NORWOOD, MA 02062 (617) 749-7600

| APPROVALS | DATE |
|---------------|------|
| SIGNATURE | |
| PROJECT ENGR. | |
| PROJECT MGR. | |
| CLIENT: | |

SHELL/NORWELL, MA.
 10 WASHINGTON STREET

SURFACE DISCHARGE (UNNAMED TRIBUTARY TO ACCORD BROOK)
 DETAILS

| | | | |
|-------------|-------------|------------|----------|
| DESIGNED BY | REVIEWED BY | CHECKED BY | DATE |
| JAC/SBK | KVA | TES | 4/01/91 |
| PROJECT NO. | CONTRACT | DRAWING | REVISION |
| 011051977 | | | |

C-1 — **0**

TOWN OF HINGHAM



CONSERVATION COMMISSION 7 East Street Hingham, MA 02043 (617) 749-5445

May 7, 1991

Certified Mail P 628 185 510

Mr. Elliot S. Werk
Groundwater Technology, Inc.
220 Norwood Park South
Norwood, MA 02062

Re: DEP File #34-343
1192 & 1220 Main Street, Hingham, MA

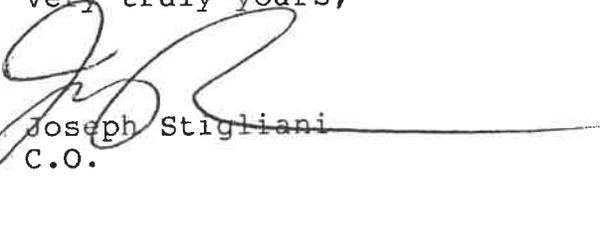
Dear Mr. Werk:

Enclosed please find an Order of Conditions issued by the Hingham Conservation Commission pursuant to the requirements of M.G.L. Chapter 131, section 40 and the Town of Hingham's Wetlands Protection By-Law. In preparing this Order, all of the interests of said Act and said By-Law were considered, and in the opinion of the Commission, the conditions contained therein are necessary to protect said interests.

Please be sure that each and every person involved with this project has been provided and read a copy of this Order. Failure to comply with any conditions therein shall be deemed cause to revoke the Order.

If you require any clarification of this Order or this letter, please call me at 749-5445.

Very truly yours,


Joseph Stigliani
C.O.

JS/et

cc: Board of Health, Building Dept., Planning Board, Board of Appeals, DEP, Shell Oil Company, Richard Starr, George Scothorne



Commonwealth of Massachusetts

DEP File No.

34-343

(To be provided by DEP)

City/Town

Hingham

Applicant

Shell Oil Company

Order of Conditions
Massachusetts Wetlands Protection Act
G.L. c. 131, §40

TOWN OF HINGHAM'S WETLANDS PROTECTION BY-LAW

From Hingham Conservation Commission

To Shell Oil Company Richard Starr George Scothorne
(Name of Applicant) (Name of property owner)

Address P.O. Box 1703 Atlanta, GA 30371 1192 Main St. 1220 Main Street

This Order is issued and delivered as follows:

- by hand delivery to applicant or representative on (date)
by certified mail, return receipt requested on May 8, 1991 (date)

This project is located at 1192 & 1220 Main Street

The property is recorded at the Registry of Plymouth
7157 308
Book 4774 Page 381

Certificate (if registered)

The Notice of Intent for this project was filed on April 5, 1991 (date)

The public hearing was closed on April 15, 1991 (date)

Findings

The Conservation Commission has reviewed the above-referenced Notice of Intent and plans and has held a public hearing on the project. Based on the information available to the Commission at this time, the Commission has determined that the area on which the proposed work is to be done is significant to the following interests in accordance with the Presumptions of Significance set forth in the regulations for each Area Subject to Protection Under the Act (check as appropriate):

- Public water supply
Private water supply
Ground water supply
Flood control
Storm damage prevention
Prevention of pollution
Land containing shellfish
Fisheries
Protection of wildlife habitat

Total Filing Fee Submitted \$1,000 State Share \$487.50
City/Town Share \$512.50 (1/2 fee in excess of \$25)
Total Refund Due \$ City/Town Portion \$ State Portion \$
(1/2 total) (1/2 total)

Shell Oil Company
1192 & 1220 Main Street
May 6, 1991

Therefore, the Conservation Commission hereby finds that the following conditions are necessary, in accordance with the Performance Standards set forth in the regulations, to protect those interests checked above. The Commission orders that all work shall be performed in accordance with said conditions and with the Notice of Intent referenced above. To the extent that the following conditions modify or differ from the plans, specifications or other proposals submitted with the Notice of Intent, the conditions shall control.

General Conditions

1. Failure to comply with all conditions stated herein, and with all related statutes and other regulatory measures, shall be deemed cause to revoke or modify this Order.
2. This Order does not grant any property rights or any exclusive privileges; it does not authorize any injury to private property or invasion of private rights.
3. This Order does not relieve the permittee or any other person of the necessity of complying with all other applicable federal, state or local statutes, ordinances, by-laws or regulations.
4. The work authorized hereunder shall be completed within three years from the date of this Order unless either of the following apply:
 - (a) the work is a maintenance dredging project as provided for in the Act; or
 - (b) the time for completion has been extended to a specified date more than three years, but less than five years, from the date of issuance and both that date and the special circumstances warranting the extended time period are set forth in this Order.
5. This Order may be extended by the issuing authority for one or more periods of up to three years each upon application to the issuing authority at least 30 days prior to the expiration date of the Order.
6. Any fill used in connection with this project shall be clean fill, containing no trash, refuse, rubbish or debris, including but not limited to lumber, bricks, plaster, wire, lath, paper, cardboard, pipe, tires, ashes, refrigerators, motor vehicles or parts of any of the foregoing.
7. No work shall be undertaken until all administrative appeal periods from this Order have elapsed or, if such an appeal has been filed, until all proceedings before the Department have been completed.
8. No work shall be undertaken until the Final Order has been recorded in the Registry of Deeds or the Land Court for the district in which the land is located, within the chain of title of the affected property. In the case of recorded land, the Final Order shall also be noted in the Registry's Grantor Index under the name of the owner of the land upon which the proposed work is to be done. In the case of registered land, the Final Order shall also be noted on the Land Court Certificate of Title of the owner of the land upon which the proposed work is to be done. The recording information shall be submitted to the Commission on the form at the end of this Order prior to commencement of the work.
9. A sign shall be displayed at the site not less than two square feet or more than three square feet in size bearing the words, "Massachusetts Department of Environmental Protection,
File Number 34-343
10. Where the Department of Environmental Protection is requested to make a determination and to issue a Superseding Order, the Conservation Commission shall be a party to all agency proceedings and hearings before the Department.
11. Upon completion of the work described herein, the applicant shall forthwith request in writing that a Certificate of Compliance be issued stating that the work has been satisfactorily completed.
12. The work shall conform to the following plans and special conditions:

DEP File #34-343
Shell Oil Company
1192 & 1220 Main Street

The work shall conform to the following plans except as may be amended by any specific condition contained herein.

Shell/Norwell, MA
10 Washington Street
Surface Discharge Details
(Unnamed Tributary to Accord Brook)
dated: 4/01/91,
by: Groundwater Technology, Inc.

13. All work within the wetlands shall be performed with hand held equipment only. No vehicles or heavy machinery shall be allowed in the wetlands at anytime.
14. In order to minimize impact on the wetlands, the pressure treated wooden posts shall be driven by hand, into the ground rather than placed in an excavated hole, wherever possible.
15. Upon completion of the project, all posts and piping shall be removed from the wetlands.
16. Discharged groundwater shall meet both the federal EPA standards as well as the Mass. DEP standards, and the Commission is to be notified immediately in the event that it is found that such standards have not been met.
17. All work is to be performed in such a manner as will permanently protect from erosion, siltation, sedimentation, or other adverse effects all wetland areas proposed to be undisturbed. Such areas to be restored immediately in the event of any such damage, regardless of the cause.
18. The Commission is to be provided with quarterly reports from the project engineer concerning the status of the project.
19. Water quality test results shall be made available to the Commission at any time upon request.
20. A copy of this Order shall be available at all times on the site and all personnel working on the site shall be familiar with this Order.
21. This Order does not relieve the applicant of the necessity of complying with any and all conditions set forth in previous Orders of Conditions, specifically those set forth under project file #34-263.

DEP File 34-343
Shell Oil Company
1192 & 1220 Main Street

22. This Order shall be recorded in the Registry of Deeds within ten (10) working days of the date of issuance. NO work shall be undertaken until the form on the last page of this Order has been submitted to the Hingham Conservation Commission.
23. Immediately following completion of this project, the project shall be certified to be as per these conditions and plans, in writing to the Hingham Conservation Commission by the project engineer or geologist.

Upon certification by the project engineer or geologist, the applicant shall request in writing, that a Certificate of Compliance be issued stating that all work has been satisfactorily completed.

DEP File #34-343
1192 & 1220 Main Street
May 6, 1991

Issued By Town of Hingham Conservation Commission

Signature(s) Robert E. Beal, Jr., Chairman

John H. Fisher Virginia B. [unclear]

Bernard F. Stearns Alfred R. Childs

John R. [unclear]

This Order must be signed by a majority of the Conservation Commission.

On this 6th day of May, 1991, before me personally appeared Robert E. Beal, Jr., to me known to be the person described in and who executed the foregoing instrument and acknowledged that he/she executed the same as his/her free act and deed.

Lyn M. Gordon My Commission Expires August 31, 1995
Notary Public Lyn M. Gordon My commission expires

The applicant, the owner, any person aggrieved by this Order, any owner of land abutting the land upon which the proposed work is to be done, or any ten residents of the city or town in which such land is located, are hereby notified of their right to request the Department of Environmental Protection to issue a Superseding Order, providing the request is made by certified mail or hand delivery to the Department, with the appropriate filing fee and Fee Transmittal Form as provided in 310 CMR 10.03(7), within ten days from the date of issuance of this Determination. A copy of the request shall at the same time be sent by certified mail or hand delivery to the Conservation Commission and the applicant.

Detach on dotted line and submit to the _____ prior to commencement of work.

To _____ Issuing Authority

Please be advised that the Order of Conditions for the project at _____

File Number _____ has been recorded at the Registry of _____ and

has been noted in the chain of title of the affected property in accordance with General Condition B on _____, 19____.

If recorded land, the instrument number which identifies this transaction is _____

If registered land, the document number which identifies this transaction is _____

Signature _____ Applicant

SITE PHOTOS



Photo #1: Date - 4/26/2024 Direction - Northwest File - Picture 001
Description - View looking towards posts.



Photo #2: Date - 4/26/2024 Direction - Northwest File - Picture 002
Description - View of typical post located in upland area.



Photo #3: Date - 4/26/2024 Direction - Northwest File - Picture 003

Description - View of several posts located in wetlands.



Photo #4: Date - 4/26/2024 Direction - Northwest File - Picture 004

Description - Detail view of posts.



Photo #5: Date - 4/26/2024 Direction - Northwest File - Picture 005

Description - Detail view of posts.



Photo #6: Date - 4/26/2024 Direction - Northwest File - Picture 006

Description - Detail view of posts.



Photo #9: Date - 4/26/2024 Direction - West File - Picture 009
Description - Detail view of posts.



Photo #10: Date - 4/26/2024 Direction - Southeast File - Picture 010
Description - Detail view of posts.



Photo #11: Date - 4/26/2024

Direction - Southeast

File - Picture 011

Description - View towards final two posts and presumed discharge area for former pipe.

POLICY ON RECEIPT OF INFORMATION

HINGHAM WETLAND REGULATIONS

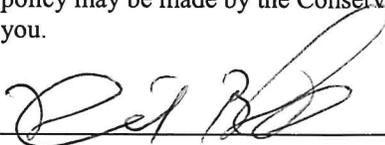
APPENDIX C

Policy on Receipt of Information

(Revised March 4, 2024)

1. New applications/filings must be submitted to the Conservation office (by certified mail or hand delivery) in accordance with the Conservation Commission Meeting Schedule and Submittal Deadlines to facilitate the placement of the legal advertisement and to allow timely review by the Conservation Officer. Conservation staff will review the application for administrative completeness. Upon receipt of a complete application, a hearing or meeting will be scheduled in accordance with the 310 CMR 10.05(5) and the Wetland Regulations, Section 7.6.
2. If deemed necessary, based on the Commission's meeting schedule, Conservation staff may request the applicant *voluntarily* waive the 21 day statutory deadline for holding a public hearing or issuing a Determination of Applicability.
3. Requests for additional information may be made by the Commission members or their agent to clarify the scope of the project or determine compliance with the 310 CMR 10.00 and/or the Hingham Wetland Regulations. Such requests, if not made at the public hearing, will be communicated to the applicant or their representative as promptly as possible.
4. Additional information requested by the Commission or their agent in accordance with No.3, must be submitted to the Conservation office (hard copy and electronic copy) a minimum of 7 days prior to the meeting date, on Monday by 4PM. If the office is closed on Monday due to a holiday, the information is due on the preceding Thursday by 4PM. *Revisions submitted after the established deadline may not receive a timely review, thereby resulting in a continuance to the next available meeting.*
5. The Commission may engage the peer review services of an outside consultant as provided by M.G.L. Ch. 44, § 53G, to be paid for by the applicant, for specific expert review deemed necessary to come to a final decision on a submitted application. Specific consultant services may include but are not limited to, review of a Notice of Intent, Wetland Resource Area Delineation, Stormwater/Drainage Reports, etc. The consultant shall be chosen by the Conservation Commission by vote at the public hearing, and report only to the Commission or its agent. *Requested additional information/revisions by the peer reviewer is required a minimum of two weeks prior to the hearing date.*
5. All supplemental documentation and revised plans must include a revision date and must be date stamped by the Conservation office upon receipt. If this information is not present, the documents may be considered incomplete and may not receive a timely review, thereby resulting in a continuance to the next available meeting.
6. Please note that all supplemental documentation and revised plans submitted to the Commission for a pending application, subject to the MA Wetlands Protection Act, must also be sent to the DEP Southeast Regional Office, 20 Riverside Dr., Lakeville, MA 02347

The Hingham Conservation Commission is committed to a thorough and timely review of each application and an efficient hearing process. Cooperation with this policy is appreciated to facilitate these efforts. Exceptions to this policy may be made by the Conservation staff if deemed warranted. Please sign and include with your filing. Thank you.



Applicant or Applicant's Representative Signature

8/15/24

Date

VOLUNTARY 21 DAY WAIVER (COC)



TOWN OF HINGHAM
CONSERVATION COMMISSION

**VOLUNTARY 21 DAY WAIVER
(Request for COC)**

As set forth under the MA Wetlands Protection Act Regulations, 310 CMR 10.05(9), and the Town of Hingham Wetland Regulations, Section 7.12(a), the Conservation Commission is required to issue a Certificate of Compliance within 21 days of receipt of a WPA Form 8A and statement that work, subject to the Final Order of Conditions, has been satisfactorily completed. The Commission may also refuse to issue a Certificate of Compliance if it determines that the work has not been completed in compliance with the Order.

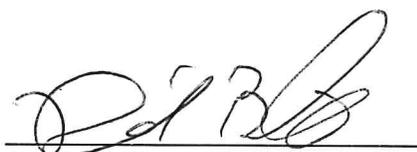
Due to the Commission's established meeting schedule and increasing number of filings under review, the Hingham Conservation Commission hereby requests the applicant waive the aforementioned 21 day requirement. If you choose to waive this deadline, your request will still be heard and decided upon in a timely manner.

The undersigned hereby waives the 21 day time period for the Commission to issue a Certificate of Compliance until: _____

Meeting Date

For the following application: 1192 AND 1220 MAIN ST.
Address

DEP FILE # 034-343
DEP File No/Local By-Law No.


Applicant Signature

David Billio, LSP
Print

8/15/24
Date