TOWN OF TEMPLETON

BOARD OF SELECTMEN

690 PATRIOTS ROAD • P.O. BOX 250
TEMPLETON, MASSACHUSETTS 01468
TEL: (978) 939-8801 • FAX: (978) 939-4065

1925

April 26, 2006

U.S. Environmental Protection Agency
Water Technical Unit
P.O. Box 8127
Boston, MA 02114

APR 28 2006

Massachusetts Department of Environmental Protection
Division of Watershed Management
627 Main Street
Worcester, MA 01608

SUBJECT: NPDES Phase II Small MS4 General Permit – Annual Report FY 05

To whom it may concern,

Attached please find the Annual Report for MS4 NPDES General Permit compliance for the town of Templeton. We have enclosed maps and information on a CD detailing the work performed by Earth Tech on behalf of the town. This report fulfills the requirement of the General permit W-040566 for the period of March 2004 through March 2005.

Sincerely,

Gerald Skelton
Chairman, Board of Selectmen

Enclosures

Cc: Stormwater Committee
File

This institution is an equal opportunity provider. To file a complaint of discrimination write
USDA, Director, Office of Civil Rights, Washington, DC 20250-9410.

Municipality/Organization: **Town of Templeton**

EPA NPDES Permit Number:

MaDEP Transmittal Number: **W-040566**

Annual Report Number & Reporting Period: **No 3: March 05 – March 06**

NPDES PII Small MS4 General Permit Annual Report

Part I. General Information

Contact Person: Carol Skelton Title: Town Coordinator

Telephone #: (978) 939-8801 Email: cskelton@templeton1.org

Certification:

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

Signature: Gerald Skelton

Printed Name: GERALD SKELTON

Title: CHAIRMAN, TEMPLETON BOARD OF SELECTMEN

Date: APRIL 26, 2006

Part II. Self-Assessment

The Town of Templeton has made considerable progress in its third year of implementation of some major Measurable Goals noted in its Notice of Intent. Prior to the development of its Comprehensive Stormwater Management Program, including Measurable Goals, the Town had an assessment performed of current activities, programs, and regulations that could support the NPDES Phase II Stormwater program. This assessment has become the basis for modifying and changing current activities, recommending new programs, and informing town boards and departments of their obligation toward successful implementation of Templeton's Comprehensive Stormwater Program.

In accordance with Templeton's Comprehensive Stormwater Management Program the town has continued to implement the Illicit Discharge Detection and Elimination (IDDE) Program in Permit Year 3. The major accomplishment was the identification and mapping of 131 outfalls to date. It is planned to finish mapping the entire town late in Permit Year 3 or early in Permit Year 4.

Templeton is pleased to present the following summary describing its success at implementing the third year of the Comprehensive Stormwater Management program.

Part III. Summary of Minimum Control Measures

1. Public Education and Outreach

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
1	Create a Stormwater Program	Board of Selectmen Highway Department Planning board Conservation Commission Board of Health	The Town of Templeton has *completed Stormwater Management Phase II Assessment* report. Copies are available for review by town departments and the public. The Town of Templeton Comprehensive Stormwater Management program was presented to the public at a Board of Selectmen meeting on February 23, 2004.	A multi-department Comprehensive Stormwater work session was held on February 13, 2006 to discuss with the Stormwater consultant the status of deliverables to date and to modify some of the tasks due to inclement weather. A workshop is scheduled for April 26, 2006 to assess the progress gained in permit year 3	At the April 26, 2006 meeting the town will establish priorities for permit year 4. The Town of Templeton will continue to publicly review the ongoing implementation of its Comprehensive Stormwater Management program.

1. Public Education and Outreach (Continued)

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
2	Create Stormwater Program	Highway Department	Y1-4; Templeton will identify appropriate sources of funding assistance (SRF, 319 Grant Program, Lakes and Ponds Grant Program, Source Water grant program, Recycling Grant program) and apply for assistance in implementing portions of its Comprehensive Stormwater Management Program, including public education and outreach.	The town has applied for a Community Development Block Grant (CDBG) to upgrade infrastructure and the storm drain system in the "Back Bay" section of town. The Board of health has applied for a Brown fields Site Assessment from the Environmental Protection Agency. The town of Templeton has secured a $6 million loan from DEP's SRF program for upgrades to the wastewater treatment facility. The town has responded to an administrative consent order from DEP. The town is applying for the 319 Grant Program. Templeton received a Recycling Grant for this year.	Templeton will continue to look for appropriate funding vehicles for the Stormwater program.
3	Address Specific Groups	Highway Department	Y1-5. Distribute EPA and other relevant educational brochures to targeted audiences. Distribution points include Town Offices and Library.	The Town of Templeton has made EPA educational material available at various locations in town,	The Town of Templeton will continue to print and make the EPA brochures and pamphlets available at town buildings and the library. Templeton will try to get a Stormwater Awareness Program instituted at the Middle School utilizing the EPA website kids' page. http://www.epa.gov/owow/nps/kids/

1. Public Education and Outreach (Continued)

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
4	Target groups likely to impact Stormwater	Highway Department Stormwater Committee	Y2-5: Brochures targeting specific audiences and activities will be available. These target groups include homeowners and lawn maintenance activities, disposal of household waste, and pet maintenance.	The Town of Templeton is in receipt of EPA educational materials on a Computer disk for easy printing and distribution.	The Town of Templeton will continue to print and make the EPA brochures and pamphlets available at town buildings and the library. The Stormwater Committee will provide outreach material to the Light & Water Departments to be included in the bills mailed to their customers.
5	Identify alternative information sources	Stormwater Committee Cable Committee	Y2-5: Templeton will post links to Stormwater BMP's and other water quality educational resources, including EPA and DEP on the town website. http://www.templeton1.org/	DEP and EPA links are posted to the town of Templeton's web site. EPA link is available through the DEP web site.	The Town of Templeton will continue to monitor and update these website links.
6	Identify alternative information sources	Stormwater Committee Cable Committee	Y2-5: Templeton will also post links to its website to the Millers River Watershed Council @ http://www.millersriver.net/mrwc/index.html and the Chicopee River Watershed Council @ http://www.chicopeeriver.org/	Millers River Watershed Link is poster to the Town of Templeton website	Chicopee River Watershed link will be posted to the Town of Templeton's website

1. Public Education and Outreach (Continued)

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
7	Utilize local public access channel	Stormwater Committee Cable Committee	Y1-2 Public meeting notice and a meeting reviewing Templeton's Comprehensive Stormwater Management Program was posted/televised on Templeton's local access channel. The Board of selectmen meeting on February 23, 20094 was broadcast on the local cable public access channel.	Measurable Goal completed in Year 1. Notices will continue to be posted on the local cable channel for the public meeting reviewing the Stormwater Program.	With a planned upgrade of the local public access channel, more information regarding Stormwater management and broadcasting of public meetings is planned.
8	Develop, conduct, and document educational programs.	Board of selectmen Liaison	Y2-5: The town of Templeton will appoint a liaison to the Millers River Watershed Council and the Chicopee River Watershed Council to disseminate information to the Town on programs and activities.	John Henshaw and Karen Tucker continue to represent the town of Templeton as liaisons to the Millers River Watershed Council. John Henshaw is very active with the Millers river Stream team.	The liaisons will continue to provide updates on information and activities of the Millers river Watershed Council to the Town of Templeton. A representation will be appointed to the Chicopee River Watershed Council.

1. Public Education and Outreach (Continued)

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
9	Promote Household Waste Recycling	Board of Health	Y1-5: The Town of Templeton will work with its contracted waste hauler and the Board of health to continue to sponsor Hazardous Waste Collection Days.	On the second Saturday of November 2005, the Hazardous Waste collection Day was held. The event was posted in the local newspaper and promoted on the Town of Templeton's website and the local cable public access channel.	The Town of Templeton expects to continue to sponsor the Hazardous Waste Collection Days, subject to approval at Town Meeting and availability of DEP Recycling Grant funding for Permit Year 4.

2. Public Involvement and Participation

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
10	Storm drain stenciling	Highway Department	The Templeton Highway Department will develop a system for stenciling of Storm Drains and Catch Basins and they have been cleaned. Also develop a worksheet that will provide information on type, location, date of cleaning and general condition of the Storm Drain systems in town.	Storm Drains continue to be cleaned on a random basis and marked with a spot of paint indicating that the structure has been cleaned.	More emphasis will be placed on the maintenance of the Storm drain and catch basins in the Town of Templeton. Contracting out the Storm Drain cleaning is being considered to alleviate the backlog.
11	Community clean-ups	Highway Department Conservation Commission Open Space Committee	Y1-5: The Town of Templeton will encourage local stream team cleaning with local residents and town committees.	The Town of Templeton continued to encourage events that lead to clean up of streams, parks, and open space in the town. Events were publicized in the local newspapers. Millers River Stream Team held its Annual river clean-up on 4 October, 2005	The Town of Templeton will continue to promote these events.
12	Community clean-ups	Highway Department Conservation Commission Open Space Committee	Y1-5: Town will provide trucks and other material to support clean-up efforts and disposal of unwanted materials.	The Cemetery and Parks Department continues to provide trucks and equipment for the various clean-up projects in the town.	The town of Templeton expects to continue support for these programs.

3. Illicit Discharge Detection and Elimination

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
13	Inventory and mapping of the storm drain system.	Highway Department	Y1-5: Templeton will identify appropriate sources of funding assistance (SRF, 319 Grant program, Lakes & Ponds Grant program, Source Water protection Grant Program, Recycling Grant Program) and apply for assistance in implementing portions of its Comprehensive Stormwater Management Program, including public education and outreach.	The Town of Templeton has applied funds appropriated at the 2005 Annual town meeting to start the inventory and mapping of the Strom Drain System with the assistance of the contractor hired to assist in this project. Copies of the initial results are attached to this report.	Templeton is perusing a 319 Grant for Permit Year 4. It is anticipated that the inventory and mapping will be completed in Permit Year 4, pending approval of funding at the 06 Annual Town Meeting.
14	Mapping and identification of outfalls and receiving waters.	Highway Department Board of Assessors	Y1: Templeton will develop and implement a plan to map all outfalls and receiving bodies of water, contingent on Town Meeting approval of funding.	Funding was requested and approved at the 05 Annual Town Meeting for the mapping and identification of the Storm Sewer Outfalls At a meeting of the Stormwater Committee on October 27, 2005, (minutes of the meeting attached) the schedule was reviewed for the GPS mapping and identification of the Storm Sewer outfalls. Approximately one third, (131) of the outfalls were identified, mapped and digitally photographed. The Highway Department and Stormwater Committee assisted in this task.	It is anticipated that the mapping and identification of the outfalls and the creation of the GIS base map will be completed in Permit Year 4, pending approval of funding at the 06 Annual Town Meeting.

3. Illicit Discharge Detection and Elimination (Continued)

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
15	Identification/description of problem areas	Highway Department	Y1: Templeton will develop and implement an illicit Discharge Detection and Elimination (IDDE) plan.	Identification of potential problem areas has been completed as part of the IDDE plan. Some of the areas identified are the "Back Bay" section of town and a section of Otter River Road. Templeton has applied for a Community Development Block Grant to address the Stormwater drainage problems in the Back Bay area and drainage upgrades are planned for the problem section of Otter River Road.	Templeton will continue to Identify problems areas with the help and expertise of the Stormwater contractor in Permit Year 4.
16	Enforcement procedures addressing illicit discharges	Board of Selectmen Planning Board Town Counsel Board of Health	Y3: Templeton will review whether local authority is appropriate and able to respond to potential illicit discharges. New by-laws, if necessary, will be proposed at Annual Town meeting.	The Town of Templeton has completed an Illicit Discharge and Detection Elimination (IDDE) Program as part of the Town's Comprehensive Stormwater Management program. A draft by-law has governing discharges to the Municipal Storm Drain System has been submitted to town counsel for review and comment. Town boards are reviewing the draft by-law.	The Town will continue to review model by-laws to respond to illicit discharges. A by-law governing discharges to the Municipal Storm Drain System will be presented at the Annual town meeting for approval ..

3. Illicit Discharge Detection and Elimination (Continued)

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
17	Public information program regarding hazardous wastes and dumping	Highway Department Board of Health Cemetery and Parks	Y2-5: Templeton will provide educational brochures to town residents.	Hazardous Waste Collection days are advertised in the local paper, local cable channel, and flyers are posted in Town Buildings. In Templeton center and Baldwinville center the Cemetery and Parks Department places a sign posted with Hazardous Waste collection days and times. Educational brochures continue to be made available at town buildings.	Hazardous Waste Collection days will continue for Permit Year 4 contingent upon allocation of funds at Annual Town meeting. Mailings are planned reminding town residents of the Hazardous Waste Collection Days and the safe disposal of hazardous waste.
18	Initiation of recycling programs.	Board of Health Planning Board	Y1-5: Templeton will apply for funding from DEP's Recycling Grant program for assistance in public education and the purchase of recycling materials.	Recycling bins for distribution to residents have been donated by Wal-Mart. Compost bins are available for a small fee from the Board of Health office. The Board of health applied for and received the recycling grant in Permit year 3.	The board of health will apply for the DEP recycling Grant in Permit Year 4. These activates are expected to continue.

3. Illicit Discharge Detection and Elimination (Continued))

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
19	Watershed assessments and studies	Highway Department Conservation Commission Board of Health	Y1-5: Templeton will identify opportunities for funding assistance from DEP's 319 Grant program, and the Department of Environmental Management's Lakes & Ponds Grant program to support watershed assessment and implementation activities. Tasks may include design and installation of Stormwater BMP's and public outreach. Emphasis will be on assessment and remediation of Stormwater related problems impacting water quality in Bourn-Hadley Pond, Brazell Pond, Depot Pond, Greenwood Pond, Otter River, Candlelight pond, and Beaver Brook. These water bodies have been identified as impaired and are on DEP's 303d list.	The Town of Templeton is in the process of applying for the DEP's 319 Grant.	Templeton is perusing a 319 Grant for Permit Year 4 with the assistance of the Stormwater Contractor.

3. Illicit Discharge Detection and Elimination (Continued)

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
20	Watershed assessments and studies	Highway Department Water Department	Y2-5: The Town of Templeton will apply for funding assistance from DEP's Source Water Protection Program for grant assistance to develop wellhead protection plans and Stormwater management plans within Zone II areas in Templeton.	The Town of Templeton did not receive any grant during Permit Year 3. Templeton has recently completed a Zone II delineation study and is awaiting verification of the results from DEP. The existing Zone II delineation was conceptual prior to this study.	The town of Templeton will monitor the Water Protection Grant program for grant assistance. The Town of Templeton Water Department recognizes the relationshi0p between drinking water protection and water quality management. The Town of Templeton Municipal Water Department has control of the Zone 1 Aquifer

4. Construction Site Stormwater Runoff Control

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
21	By-law: Stormwater management regulations for construction sites 1 acre or larger	Planning Board Conservation Commission Town Counsel Board of Health Zoning board of Appeals	Y2-5: Templeton will review model by-laws developed by DEP in consultation with the Attorney General's Office.	The Stormwater Committee has reviewed some model by-laws and will recommend the proper course of action to the Board of Selectmen to bring this by-law to Annual Town Meeting.	By-law development will be a priority issue in Permit Year 4.

5. Post-Construction Stormwater Management in New Development and Redevelopment

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
22	By-law require post-construction runoff controls	Planning Board Conservation Commission Town Counsel Board of Health Zoning board of Appeals	Y2-5: Templeton will review model by-laws developed by DEP in consultation with the Attorney General's Office.	The Stormwater Committee has reviewed some model by-laws and will recommend the proper course of action to the Board of Selectmen to bring this by-law to Annual Town Meeting.	By-law development will be a priority issue in Permit Year 4. The contractor hired to assist the Town of Templeton in meeting the goals of Stormwater Management will provide the expertise in adopting these by-laws.

6. Pollution Prevention and Good Housekeeping in Municipal Operations

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
23	Develop a municipal Operations and Maintenance Plan	Highway Department	Y1: Using regulations and recommendations from DEP and EPA, Templeton will develop and update an Operations and Maintenance plan to include proper disposal of street sweepings, catch basin cleanout material, snow disposal, roadway de-icing procedures, vehicle washing, and outside storage of materials.	Grass and leaves from public works and residential maintenance activities are recycled in the municipal compost pile. The Templeton Highway Facility has a Spill Prevention Control and Countermeasure (SPCC) Plan for the town fuel facility. The SPCC contains BMP's educational materials for preventing and responding to potential gasoline and diesel discharge into Stormwater. The Highway Department has also purchased a spill kit in the event a spill takes place. If the spill is greater than a 10 gallon spill DEP is notified along with th4 Board of Health. The Templeton highway Facility has a Stormwater Pollution Prevention Plan (SWPPP), which addresses BMP's and good housekeeping procedures regarding vehicle maintenance activities, on-site storage and employee education.	The Highway Department will continue to implement the SPCC and the SWPPP plans.

6. Pollution Prevention and Good Housekeeping in Municipal Operations (Continued)

BMP ID #	BMP Description	Responsible Dept./Person Name	Measurable Goal(s)	Progress on Goal(s) – Permit Year 3 (Reliance on non-municipal partners indicated, if any)	Planned Activities – Permit Year 4
24	Develop a municipal Operations and Maintenance Plan	Highway Department	Y2: Templeton implemented a formal inspection program, including maintenance logs and scheduling, for catch basin cleaning, repairs, and new installations.	The Town of Templeton sweeps all local roads in the Spring months. Catch basins are targeted for cleanout in the fall months. The Highway Department keeps records of daily sweeping and catch basin cleaning throughout the year. Materials collected are brought to the sewer landfill for disposal. Temple also has a pest control budget which addresses beaver control and West Nile Virus eradication.	The Highway Department will record and log street sweeping and catch basin activities. The Town of Templeton expects to continue these programs.
25	Develop and implement training programs for municipal employees	Highway Department	Y1-5: Each year, Templeton will send a minimum of 3 Town employees to training seminars sponsored by MassHighweay, BayState Roads, and other relevant agencies or vendors.	Various Town boards and departments have attended association meetings and seminars that addressed various components of NPDES Phase II or water quality protection. These programs included the Massachusetts Municipal Association's Annual Meeting, programs sponsored by BayState Roads, New England Water Works Association, Massachusetts Association of Conservation Commissioners, and the Massachusetts Cemetery Association. Town Officials attended a Stormwater workshop on 27 September 2005.	The Town of Templeton will continue to send officials and employees to these training opportunities.
26	Review storm drainage infrastructure needs	Highway Department	Y1-5: Templeton will incorporate storm drain infrastructure review in its Chapter 90 project utilizations.	The Highway Department continues to work with the Planning Board on all new housing subdivisions with concerns and comments about drainage systems and detention/retention ponds.	The Town of Templeton will continue to improve the storm drainage infrastructure to include new developments and roadway construction.

What's on the CD

PDF Files:

Map1000_Sheet1.pdf
Map1000_Sheet2.pdf
Map1000_Sheet3.pdf

1 Inch = 1000 Feet scale mapping of the town showing outfall locations, wetlands, topography, and other base map features. These are 36X24 inch size maps. Three tiles cover the town.

Maps500Scale.pdf

1 Inch = 500 Feet scale mapping showing same features as the 1000 scale maps. These are reduced size (11x17) files of the original hard copy. Nine tile plus an index sheet cover the town.

SitePhotos.pdf

The digital photos taken of the outfalls when they were GPS'd. The file name corresponds to the Outfall Id shown on the maps and in the tables.

Templeton Outfall Locations-November 2005.pdf

Tabular data for the outfall locations collected in November 2005.

Outfall.xls

Excel spreadsheet of the tabular data.

CAD Directory

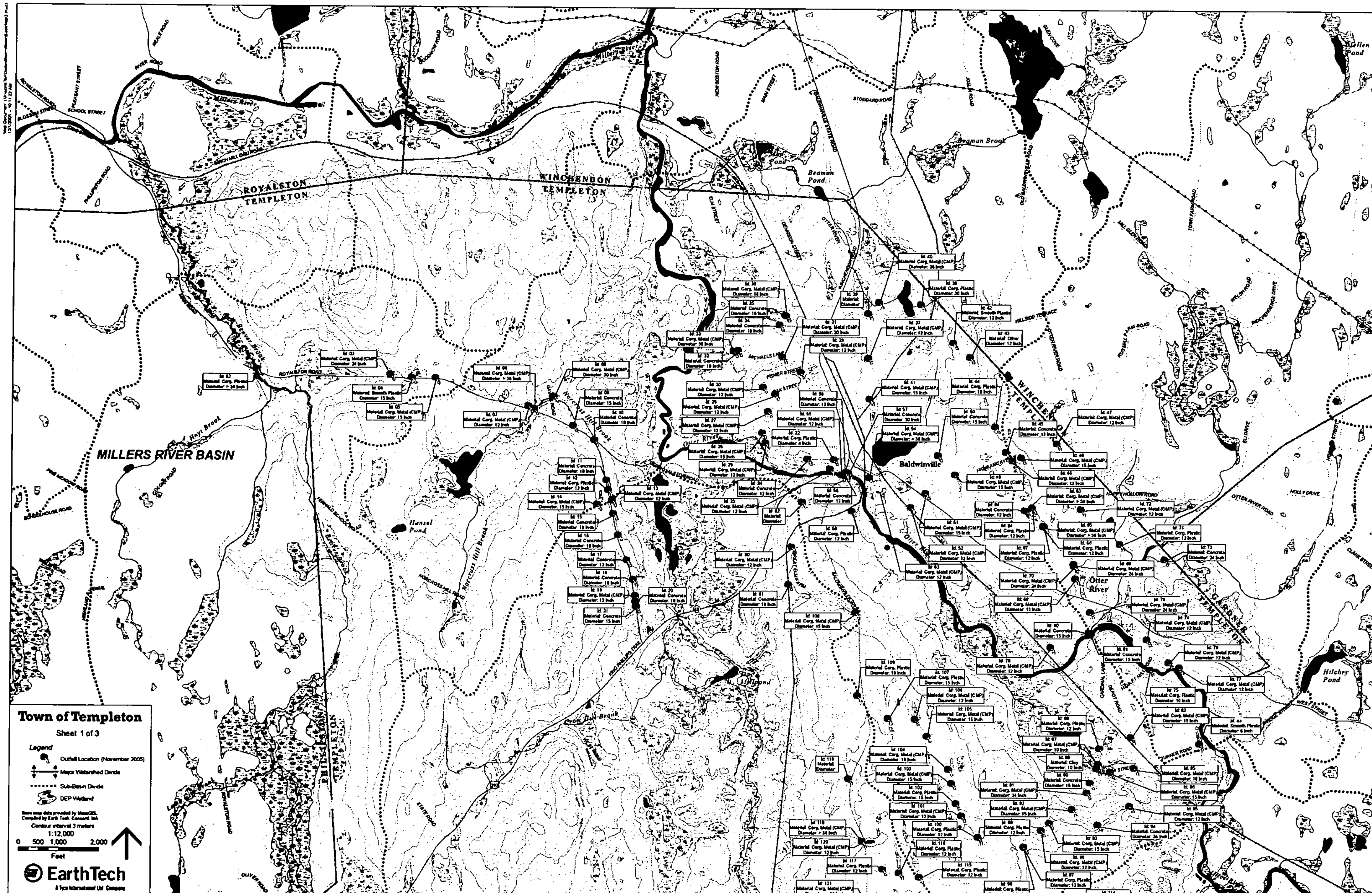
AutoCAD file containing outfall locations and basemap data contained in the 1000 and 500 scale maps.

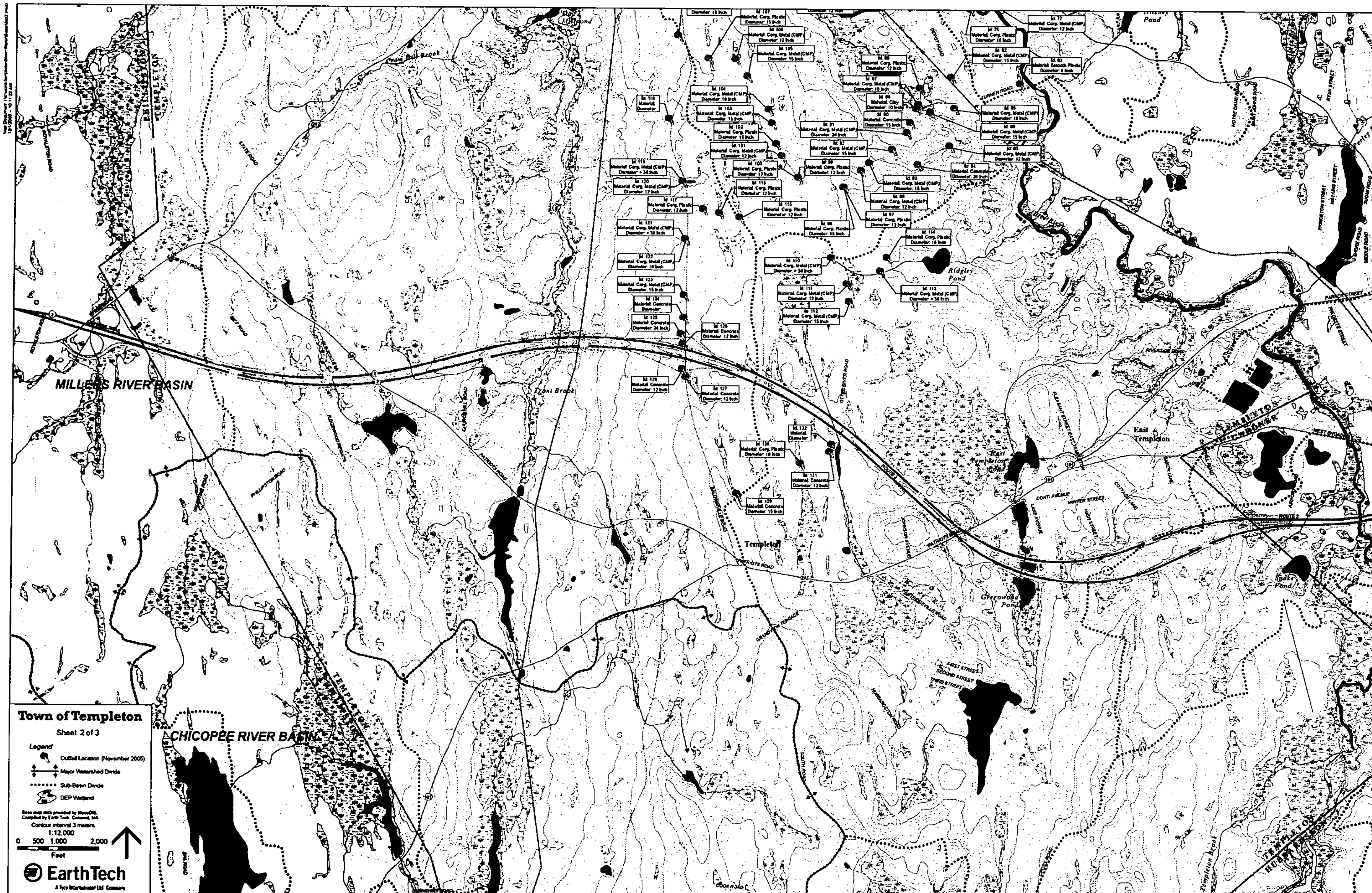
Shapefiles

ESRI shapefile of outfall locations for use in Pictometry program. This file should be able to be directly imported into the Pictometry software.

Photos

Digital photos and thumbnails of the outfall locations mapped. Double-clicking on the Thumbnails.html file will bring up a thumbnail view of all the photos in your browser and clicking on any picture will bring up a full screen view and the ability to view the next or previous photo.


Town of Templeton
Sheet 1 of 3
Legend
Outfall Location (November 2005)
Major Watershed Divide
Sub-Basin Divide
DEP Wetland
Base map data provided by MassGIS.
Compiled by Earth Tech, Concord, MA
Contour interval 3 meters
1:12,000
0 500 1,000 2,000
Feet
EarthTech
A Tyco International Ltd. Company
MILLERS RIVER BASIN
ROYALSTON
TEMPLETON
WINCHENDON
TEMPLETON
GARDNER
TEMPLETON
Baldwinville
Otter River
Hensel Pond
Beaman Pond
Hitchey Pond
Hoyt Brook
Beaman Brook
Norcross Hill Brook
Millers River


Town of Templeton
Sheet 2 of 3
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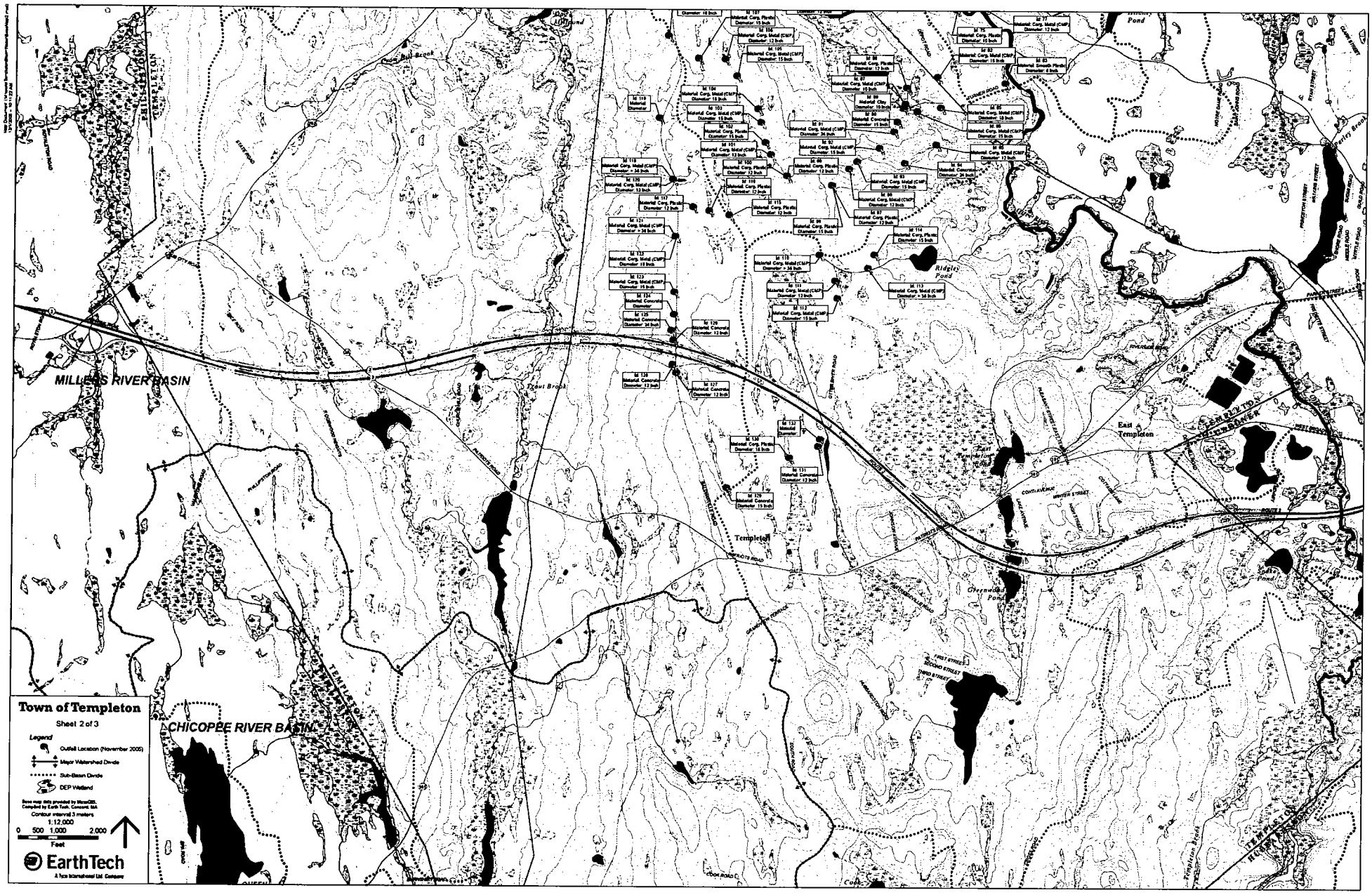
Major Watershed Divide
Sub-Basin Divide
DEP Wetland
Contour interval 3 meters
1:12,000
0 500 1,000 2,000
Feet
EarthTech
MILLERS RIVER BASIN
CHICOPEE RIVER BASIN
TEMPLETON
PHILLIPSTON
Templeton
East Templeton
Ridges Pond
Greenwood Pond
Templeton Brook



Town of Templeton
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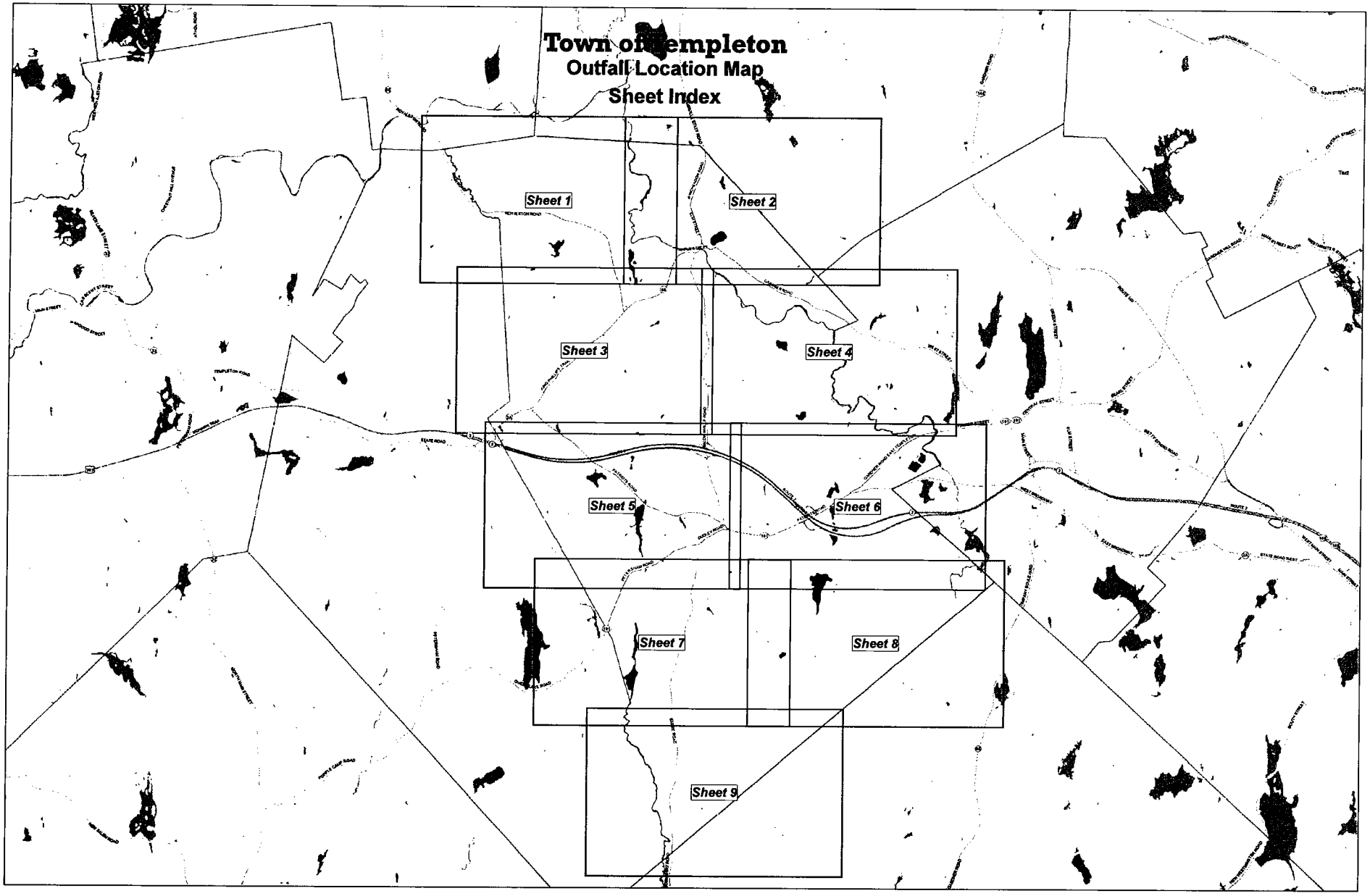
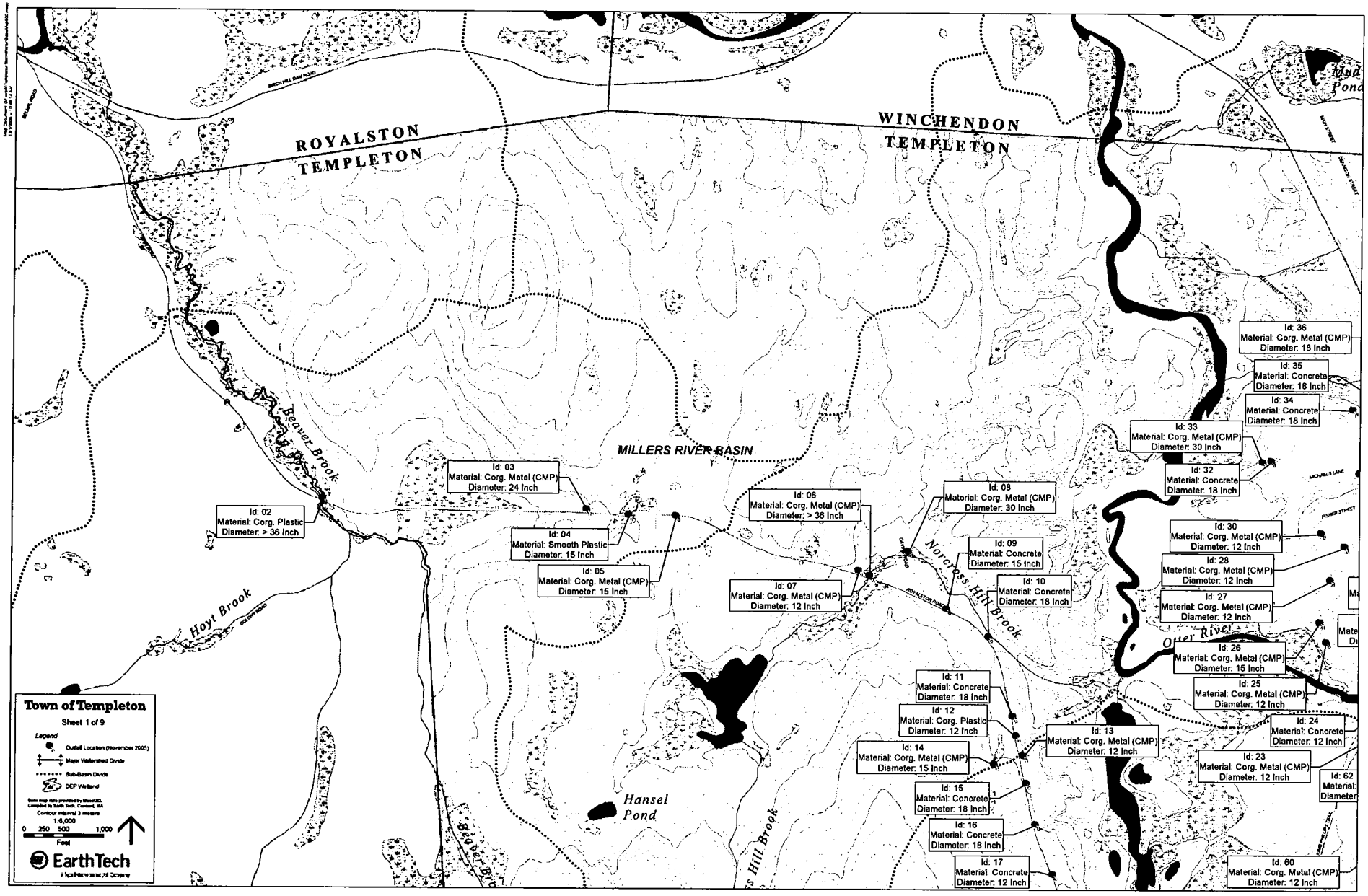
CHICOPEE RIVER BASIN
Templeton
East Templeton
Ridgley Pond
Greenwood Pond
Sodke Pond
Trout Brook
Perley Brook
Templeton Brook

Town of Templeton
Outfall Location Map
Sheet Index




ROYALSTON
TEMPLETON
WINCHENDON
TEMPLETON
MILLERS RIVER BASIN
Beaver Brook
Hoyt Brook
Hansel Pond
Norcross Hill Brook
Otter River
Id: 02
Material: Corg. Plastic
Diameter: > 36 Inch
Id: 03
Material: Corg. Metal (CMP)
Diameter: 24 Inch
Id: 04
Material: Smooth Plastic
Diameter: 15 Inch
Id: 05
Material: Corg. Metal (CMP)
Diameter: 15 Inch
Id: 06
Material: Corg. Metal (CMP)
Diameter: > 36 Inch
Id: 07
Material: Corg. Metal (CMP)
Diameter: 12 Inch
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Material: Corg. Metal (CMP)
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Diameter
Mud Pond
Town of Templeton
Sheet 1 of 9
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Outfall Location (November 2005)
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Contour Interval 3 meters
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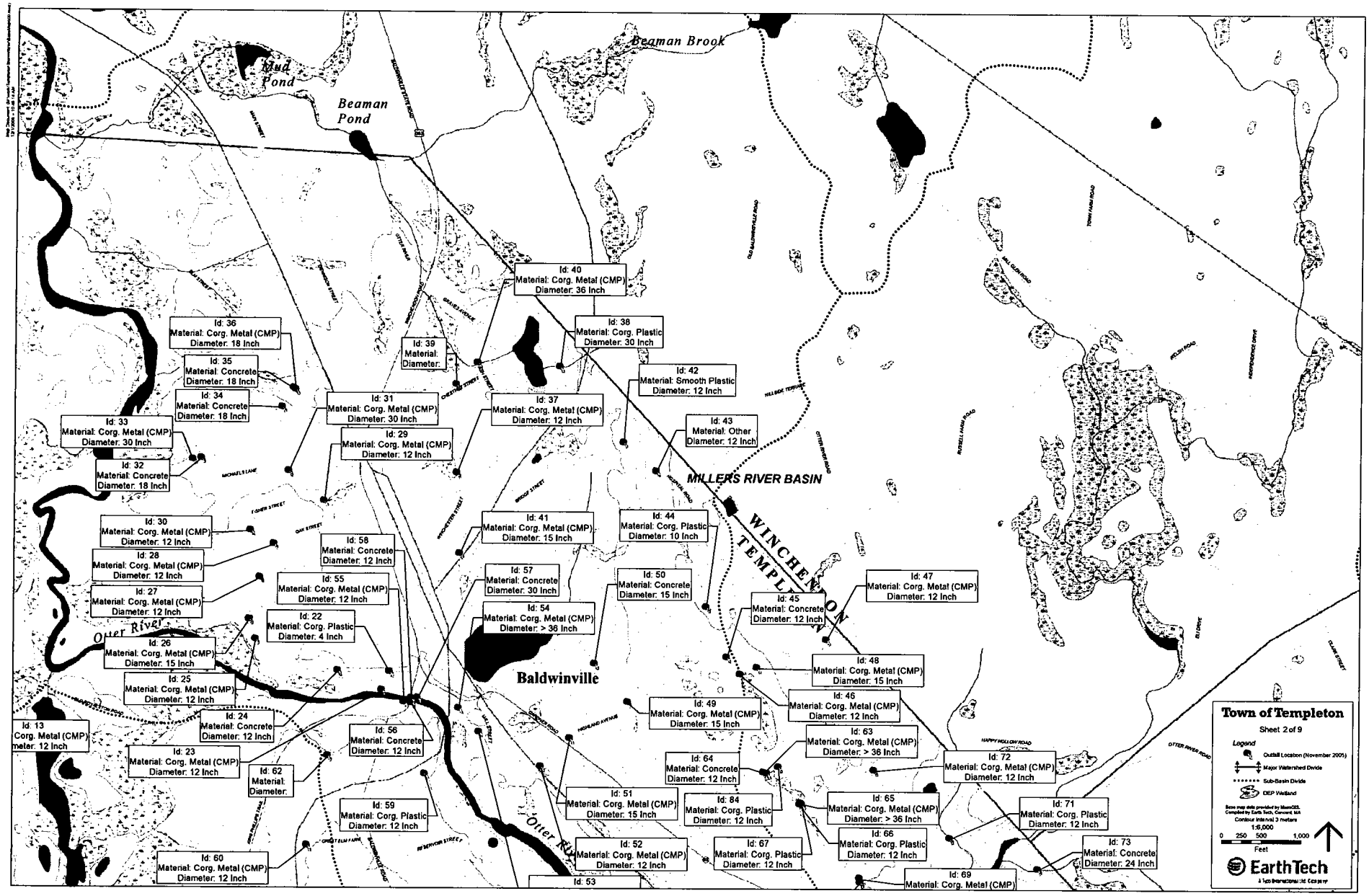
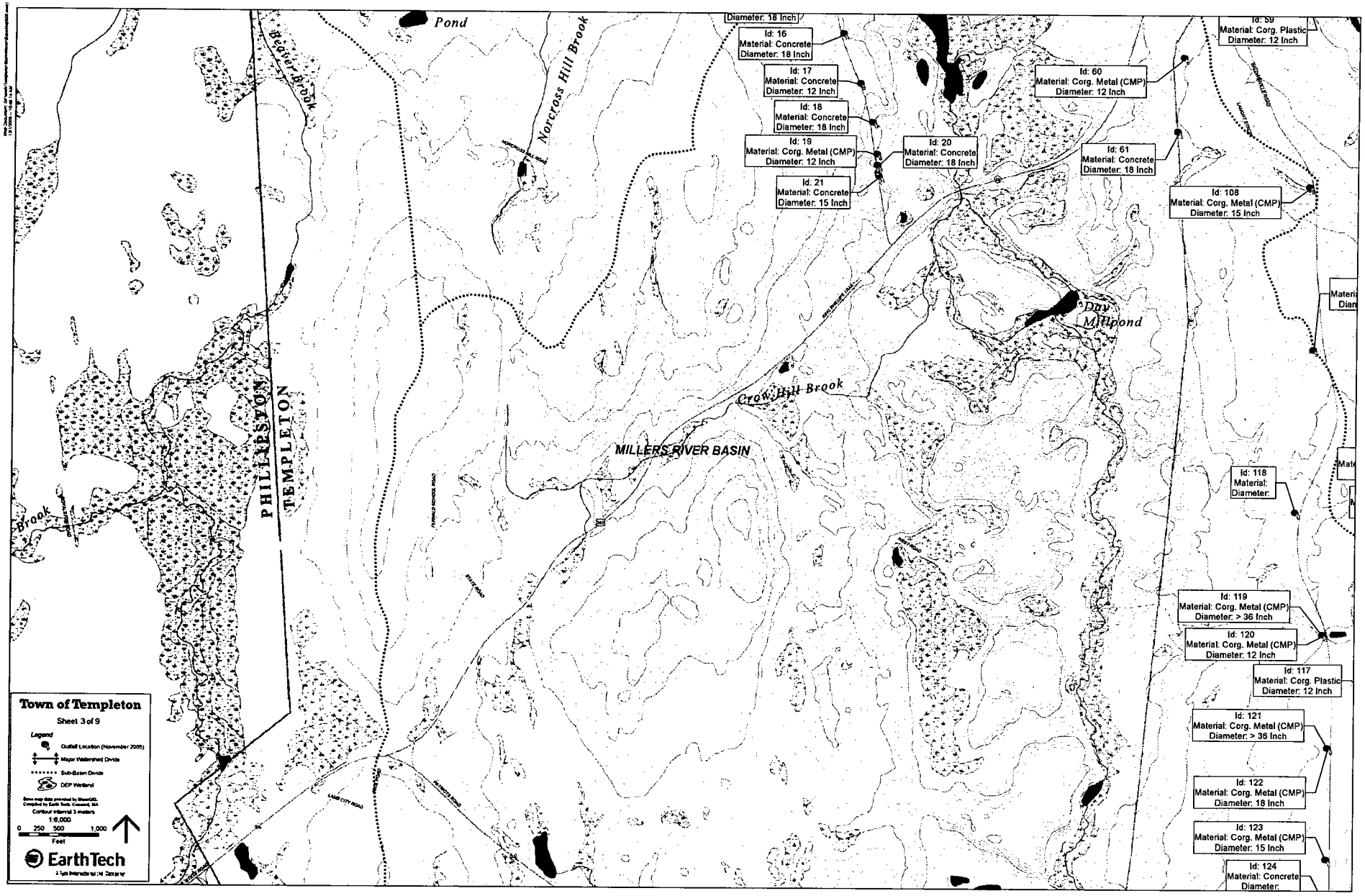
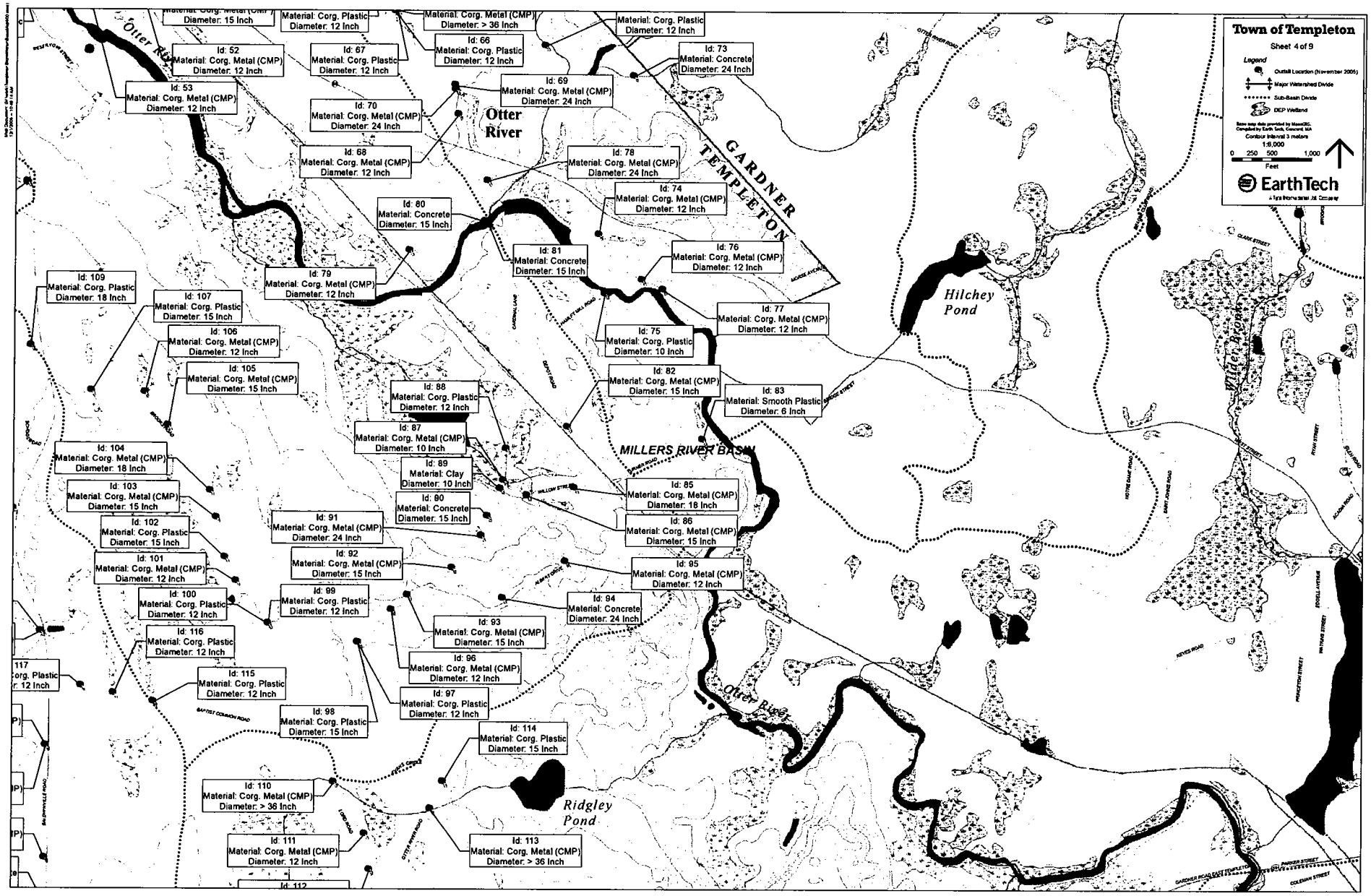
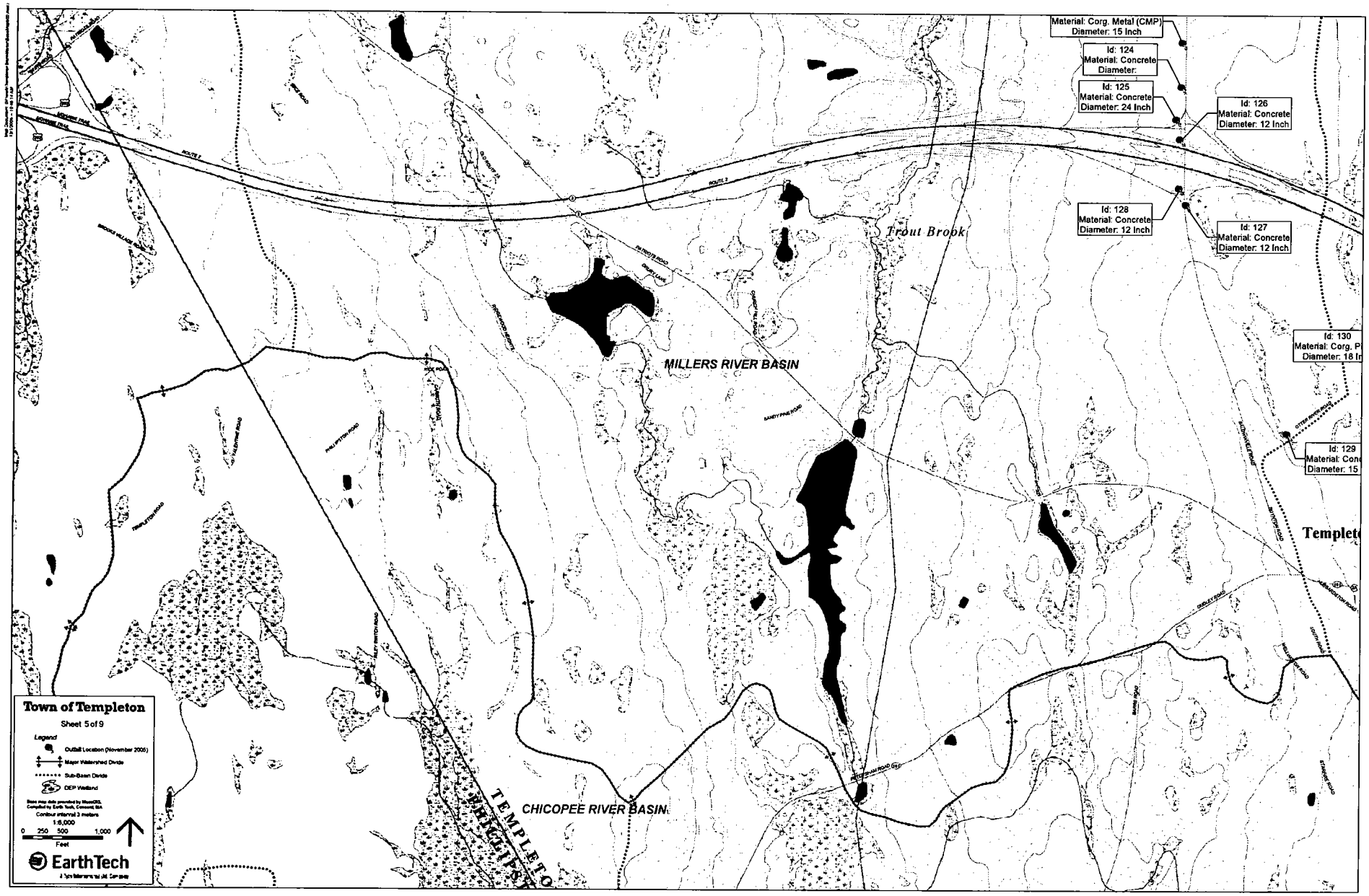
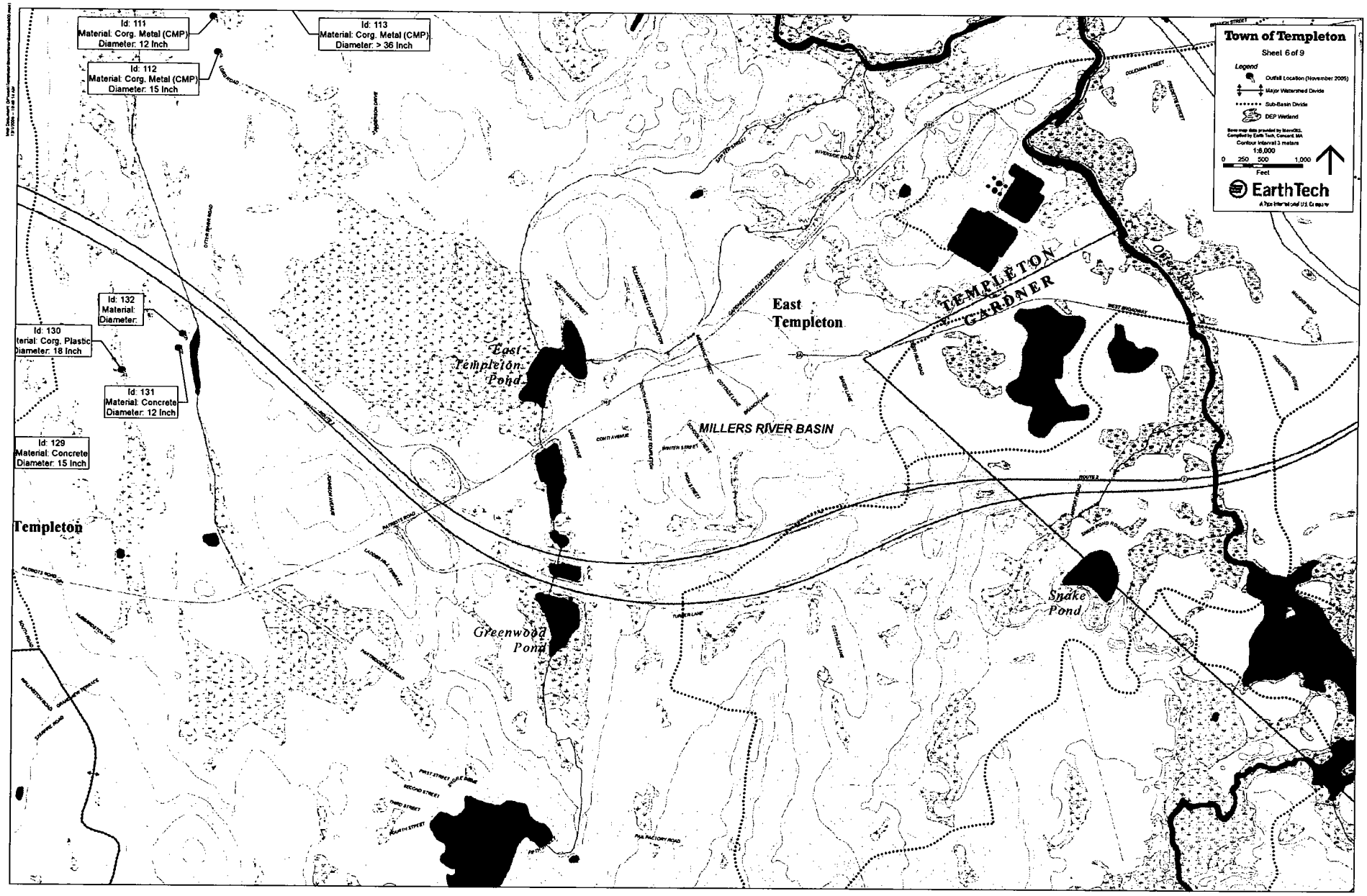
Feet
EarthTech


Mud Pond
Beaman Pond
Beaman Brook
Id: 40
Material: Corg. Metal (CMP)
Diameter: 36 Inch
Id: 36
Material: Corg. Metal (CMP)
Diameter: 18 Inch
Id: 35
Material: Concrete
Diameter: 18 Inch
Id: 34
Material: Concrete
Diameter: 18 Inch
Id: 33
Material: Corg. Metal (CMP)
Diameter: 30 Inch
Id: 32
Material: Concrete
Diameter: 18 Inch
Id: 39
Material:
Diameter:
Id: 38
Material: Corg. Plastic
Diameter: 30 Inch
Id: 42
Material: Smooth Plastic
Diameter: 12 Inch
Id: 31
Material: Corg. Metal (CMP)
Diameter: 30 Inch
Id: 37
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Id: 29
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Id: 43
Material: Other
Diameter: 12 Inch
MILLERS RIVER BASIN
WINCHENDON
TEMPLETON
Id: 30
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Id: 28
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Id: 27
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Id: 58
Material: Concrete
Diameter: 12 Inch
Id: 55
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Id: 22
Material: Corg. Plastic
Diameter: 4 Inch
Id: 41
Material: Corg. Metal (CMP)
Diameter: 15 Inch
Id: 44
Material: Corg. Plastic
Diameter: 10 Inch
Id: 57
Material: Concrete
Diameter: 30 Inch
Id: 54
Material: Corg. Metal (CMP)
Diameter: > 36 Inch
Id: 50
Material: Concrete
Diameter: 15 Inch
Id: 47
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Id: 45
Material: Concrete
Diameter: 12 Inch
Otter River
Id: 26
Material: Corg. Metal (CMP)
Diameter: 15 Inch
Id: 25
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Baldwinville
Id: 48
Material: Corg. Metal (CMP)
Diameter: 15 Inch
Id: 46
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Id: 49
Material: Corg. Metal (CMP)
Diameter: 15 Inch
Id: 13
Corg. Metal (CMP)
meter: 12 Inch
Id: 24
Material: Concrete
Diameter: 12 Inch
Id: 56
Material: Concrete
Diameter: 12 Inch
Id: 23
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Id: 62
Material:
Diameter:
Id: 63
Material: Corg. Metal (CMP)
Diameter: > 36 Inch
Id: 64
Material: Concrete
Diameter: 12 Inch
Id: 72
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Id: 51
Material: Corg. Metal (CMP)
Diameter: 15 Inch
Id: 84
Material: Corg. Plastic
Diameter: 12 Inch
Id: 65
Material: Corg. Metal (CMP)
Diameter: > 36 Inch
Id: 71
Material: Corg. Plastic
Diameter: 12 Inch
Id: 59
Material: Corg. Plastic
Diameter: 12 Inch
Id: 52
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Id: 67
Material: Corg. Plastic
Diameter: 12 Inch
Id: 66
Material: Corg. Plastic
Diameter: 12 Inch
Id: 73
Material: Concrete
Diameter: 24 Inch
Id: 60
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Id: 53
Id: 69
Material: Corg. Metal (CMP)
Town of Templeton
Sheet 2 of 9
Legend
Outfall Location (November 2005)
Major Watershed Divide
Sub-Basin Divide
DEP Wetland
Base map data provided by MassGIS.
Compiled by Earth Tech, Concord, MA
Contour interval 3 meters
1:6,000
0 250 500 1,000
Feet
EarthTech

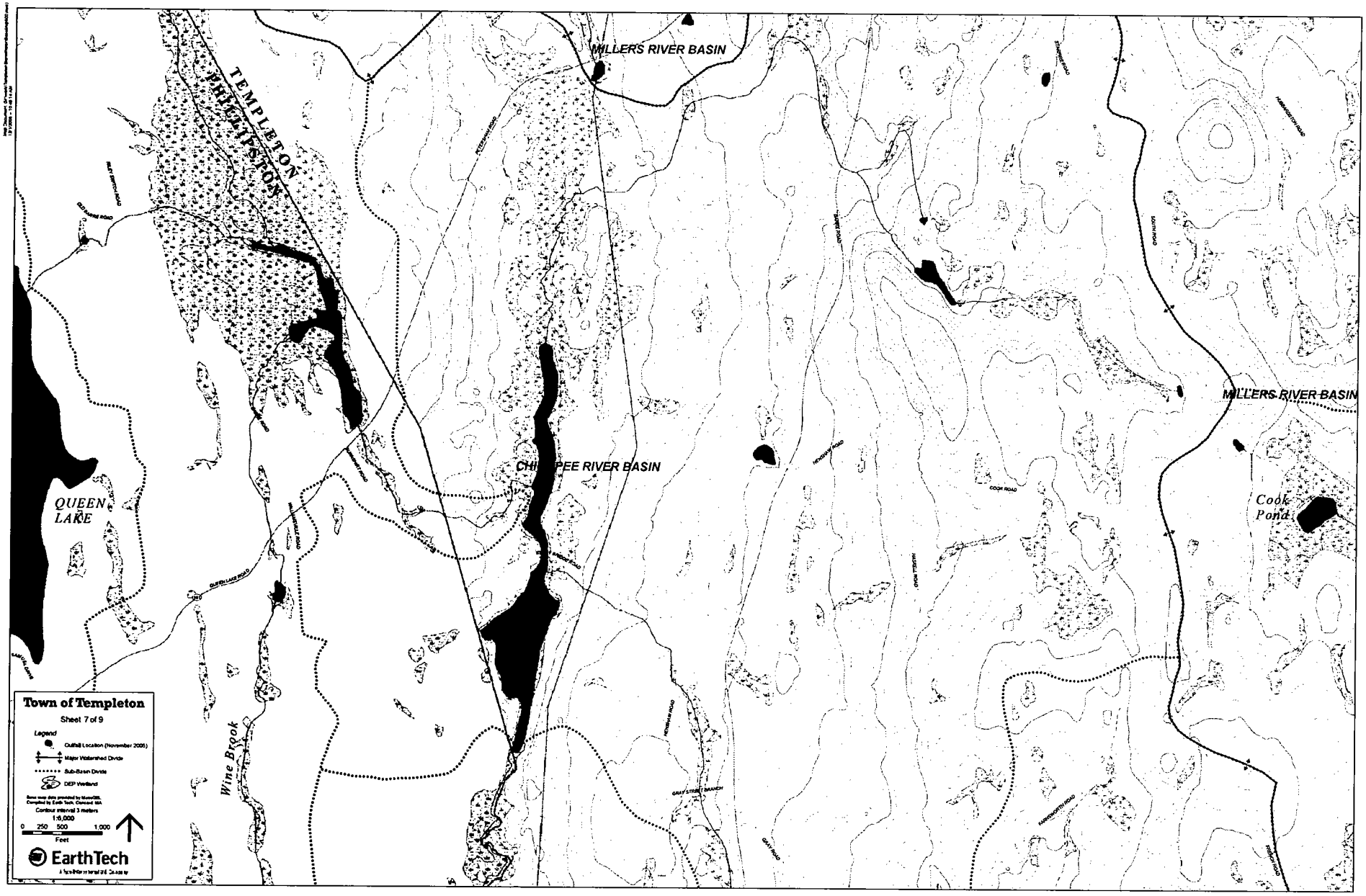

Town of Templeton
Sheet 3 of 9
Legend
Outfall Location (November 2005)
Major Watershed Divide
Sub-Basin Divide
DEP Wetland
Base map data provided by MassGIS.
Compiled by Earth Tech, Concord, MA
Contour interval 3 meters
1:6,000
0 250 500 1,000
Feet
EarthTech
PHILLIPSTON
TEMPLETON
Beaver Brook
Pond
Norcross Hill Brook
Crow Hill Brook
MILLERS RIVER BASIN
Day Millpond
Brook
Diameter: 18 Inch
Id: 16
Material: Concrete
Diameter: 18 Inch
Id: 17
Material: Concrete
Diameter: 12 Inch
Id: 18
Material: Concrete
Diameter: 18 Inch
Id: 19
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Id: 20
Material: Concrete
Diameter: 18 Inch
Id: 21
Material: Concrete
Diameter: 15 Inch
Id: 60
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Id: 61
Material: Concrete
Diameter: 18 Inch
Id: 59
Material: Corg. Plastic
Diameter: 12 Inch
Id: 108
Material: Corg. Metal (CMP)
Diameter: 15 Inch
Id: 118
Material:
Diameter:
Id: 119
Material: Corg. Metal (CMP)
Diameter: > 36 Inch
Id: 120
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Id: 117
Material: Corg. Plastic
Diameter: 12 Inch
Id: 121
Material: Corg. Metal (CMP)
Diameter: > 36 Inch
Id: 122
Material: Corg. Metal (CMP)
Diameter: 18 Inch
Id: 123
Material: Corg. Metal (CMP)
Diameter: 15 Inch
Id: 124
Material: Concrete
Diameter:

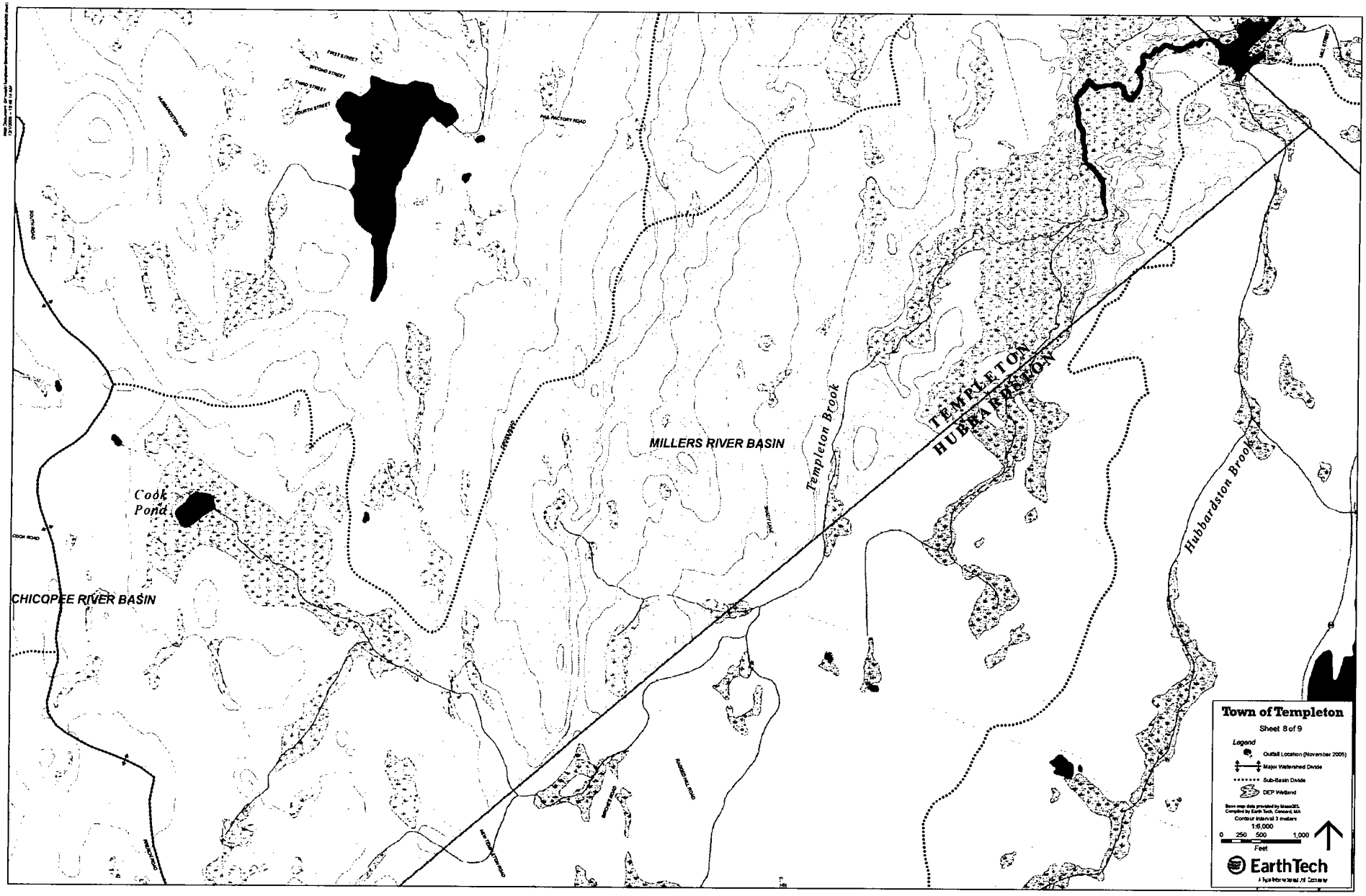

Town of Templeton
Sheet 4 of 9
Legend
Outfall Location (November 2005)
Major Watershed Divide
Sub-Basin Divide
DEP Wetland
Base map data provided by MassGIS.
Compiled by Earth Tech, Concord, MA
Contour Interval 3 meters
1:8,000
0 250 500 1,000
Feet
EarthTech
Otter River
GARDNER
TEMPLETON
Hilchey Pond
Ridgley Pond
MILLERS RIVER BASIN
Id: 52 Material: Corg. Metal (CMP) Diameter: 12 Inch
Id: 53 Material: Corg. Metal (CMP) Diameter: 12 Inch
Id: 66 Material: Corg. Plastic Diameter: 12 Inch
Id: 67 Material: Corg. Plastic Diameter: 12 Inch
Id: 68 Material: Corg. Metal (CMP) Diameter: 12 Inch
Id: 69 Material: Corg. Metal (CMP) Diameter: 24 Inch
Id: 70 Material: Corg. Metal (CMP) Diameter: 24 Inch
Id: 73 Material: Concrete Diameter: 24 Inch
Id: 74 Material: Corg. Metal (CMP) Diameter: 12 Inch
Id: 75 Material: Corg. Plastic Diameter: 10 Inch
Id: 76 Material: Corg. Metal (CMP) Diameter: 12 Inch
Id: 77 Material: Corg. Metal (CMP) Diameter: 12 Inch
Id: 78 Material: Corg. Metal (CMP) Diameter: 24 Inch
Id: 79 Material: Corg. Metal (CMP) Diameter: 12 Inch
Id: 80 Material: Concrete Diameter: 15 Inch
Id: 81 Material: Concrete Diameter: 15 Inch
Id: 82 Material: Corg. Metal (CMP) Diameter: 15 Inch
Id: 83 Material: Smooth Plastic Diameter: 6 Inch
Id: 85 Material: Corg. Metal (CMP) Diameter: 18 Inch
Id: 86 Material: Corg. Metal (CMP) Diameter: 15 Inch
Id: 87 Material: Corg. Metal (CMP) Diameter: 10 Inch
Id: 88 Material: Corg. Plastic Diameter: 12 Inch
Id: 89 Material: Clay Diameter: 10 Inch
Id: 90 Material: Concrete Diameter: 15 Inch
Id: 91 Material: Corg. Metal (CMP) Diameter: 24 Inch
Id: 92 Material: Corg. Metal (CMP) Diameter: 15 Inch
Id: 93 Material: Corg. Metal (CMP) Diameter: 15 Inch
Id: 94 Material: Concrete Diameter: 24 Inch
Id: 95 Material: Corg. Metal (CMP) Diameter: 12 Inch
Id: 96 Material: Corg. Metal (CMP) Diameter: 12 Inch
Id: 97 Material: Corg. Plastic Diameter: 12 Inch
Id: 98 Material: Corg. Plastic Diameter: 15 Inch
Id: 99 Material: Corg. Plastic Diameter: 12 Inch
Id: 100 Material: Corg. Plastic Diameter: 12 Inch
Id: 101 Material: Corg. Metal (CMP) Diameter: 12 Inch
Id: 102 Material: Corg. Plastic Diameter: 15 Inch
Id: 103 Material: Corg. Metal (CMP) Diameter: 15 Inch
Id: 104 Material: Corg. Metal (CMP) Diameter: 18 Inch
Id: 105 Material: Corg. Metal (CMP) Diameter: 15 Inch
Id: 106 Material: Corg. Metal (CMP) Diameter: 12 Inch
Id: 107 Material: Corg. Plastic Diameter: 15 Inch
Id: 109 Material: Corg. Plastic Diameter: 18 Inch
Id: 110 Material: Corg. Metal (CMP) Diameter: > 36 Inch
Id: 111 Material: Corg. Metal (CMP) Diameter: 12 Inch
Id: 112
Id: 113 Material: Corg. Metal (CMP) Diameter: > 36 Inch
Id: 114 Material: Corg. Plastic Diameter: 15 Inch
Id: 115 Material: Corg. Plastic Diameter: 12 Inch
Id: 116 Material: Corg. Plastic Diameter: 12 Inch
Material: Corg. Metal (CMP) Diameter: 15 Inch
Material: Corg. Plastic Diameter: 12 Inch
Material: Corg. Metal (CMP) Diameter: > 36 Inch
Material: Corg. Plastic Diameter: 12 Inch
Otter River

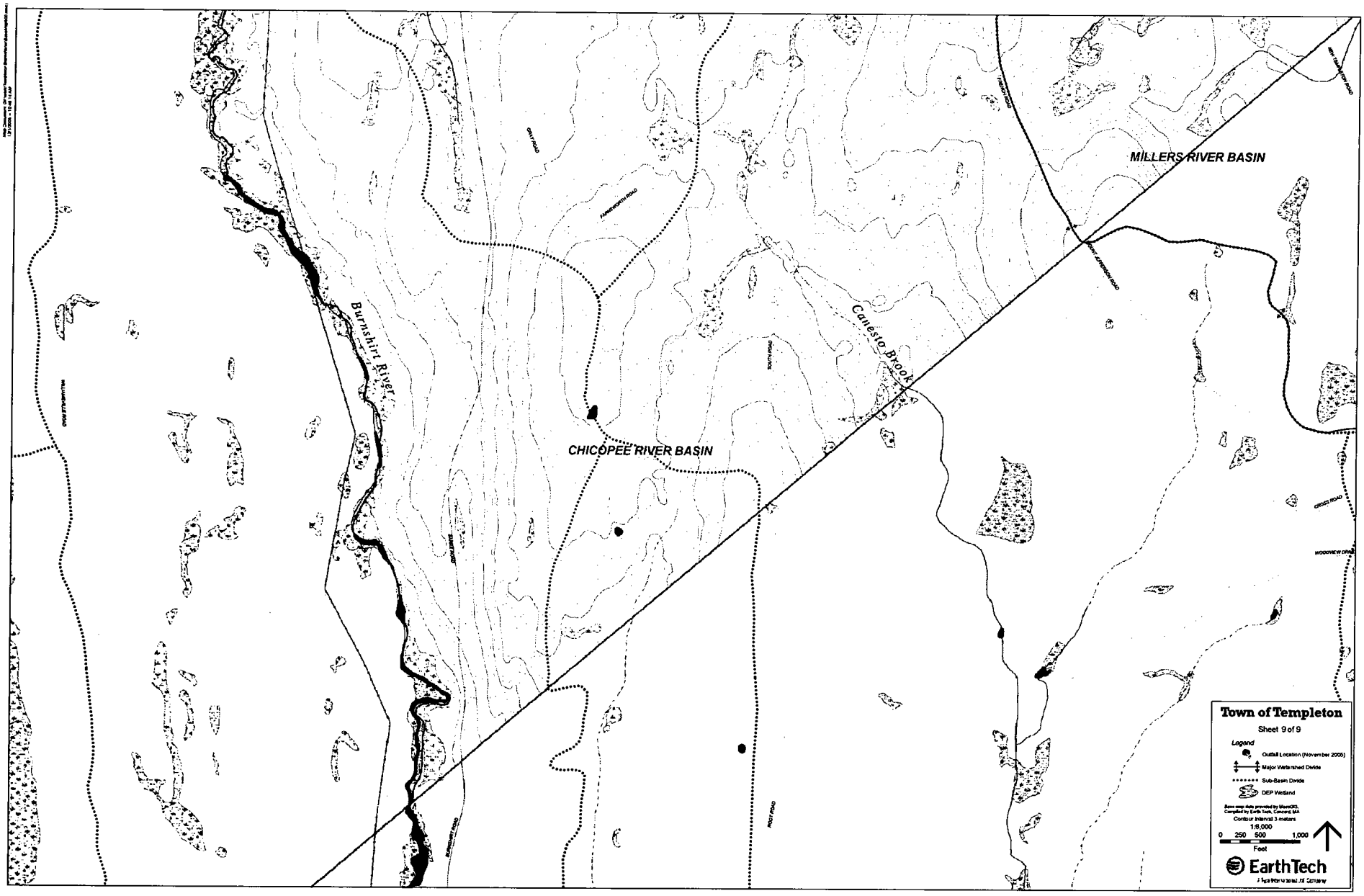

Material: Corg. Metal (CMP)
Diameter: 15 Inch
Id: 124
Material: Concrete
Diameter:
Id: 125
Material: Concrete
Diameter: 24 Inch
Id: 126
Material: Concrete
Diameter: 12 Inch
Id: 128
Material: Concrete
Diameter: 12 Inch
Id: 127
Material: Concrete
Diameter: 12 Inch
Id: 130
Id: 129
Trout Brook
MILLERS RIVER BASIN
CHICOPEE RIVER BASIN
Town of Templeton
Sheet 5 of 9
Legend
Outfall Location (November 2005)
Major Watershed Divide
Sub-Basin Divide
DEP Wetland
Contour interval 3 meters
1:6,000
0 250 500 1,000
Feet
EarthTech



Town of Templeton
Sheet 6 of 9
Legend
Outfall Location (November 2005)
Major Watershed Divide
Sub-Basin Divide
DEP Wetland
Contour Interval 3 meters
1:6,000
0 250 500 1,000
Feet
EarthTech
Id: 111
Material: Corg. Metal (CMP)
Diameter: 12 Inch
Id: 112
Material: Corg. Metal (CMP)
Diameter: 15 Inch
Id: 113
Material: Corg. Metal (CMP)
Diameter: > 36 Inch
Id: 132
Material:
Diameter:
Id: 130
terial: Corg. Plastic
iameter: 18 Inch
Id: 131
Material: Concrete
Diameter: 12 Inch
Id: 129
Material: Concrete
Diameter: 15 Inch
Templeton
East Templeton
East Templeton Pond
MILLERS RIVER BASIN
TEMPLETON
GARDNER
Otter River
Greenwood Pond
Snake Pond


MILLERS RIVER BASIN
TEMPLETON
PHILLIPSTON
CHICOPEE RIVER BASIN
MILLERS RIVER BASIN
QUEEN LAKE
Cook Pond
Wine Brook
Town of Templeton
Sheet 7 of 9
Legend
Outfall Location (November 2005)
Major Watershed Divide
Sub-Basin Divide
DEP Wetland
Base map data provided by MassGIS.
Compiled by Earth Tech, Concord, MA
Contour interval 3 meters
1:6,000
0 250 500 1,000
Feet
EarthTech


FIRST STREET
SECOND STREET
THIRD STREET
FOURTH STREET
PINE FACTORY ROAD
COOK ROAD
Cook Pond
CHICOPEE RIVER BASIN
MILLERS RIVER BASIN
Templeton Brook
TEMPLETON
HUBBARDSTON
Hubbardston Brook
Town of Templeton
Sheet 8 of 9
Legend
Outfall Location (November 2005)
Major Watershed Divide
Sub-Basin Divide
DEP Wetland
Base map data provided by MassGIS.
Compiled by Earth Tech, Concord, MA
Contour Interval 3 meters
1:6,000
0 250 500 1,000
Feet
EarthTech


MILLERS RIVER BASIN
CHICOPEE RIVER BASIN
Burnshirt River
Canesto Brook
Town of Templeton
Sheet 9 of 9
Legend
Outfall Location (November 2005)
Major Watershed Divide
Sub-Basin Divide
DEP Wetland
Base map data provided by MassGIS.
Compiled by Earth Tech, Concord, MA
Contour Interval 3 meters
1:6,000
0 250 500 1,000
Feet
EarthTech