

PERMIT APPLICATION

BWP-SW-21

MODIFICATION OF A SMALL HANDLING FACILITY

TOWN OF EASTHAM

RECYCLING CENTER

X232995

PREPARED BY A T P ENVIRONMENTAL

APRIL 13, 2010

April 13, 2010

Mr. David Ellis, Director
Solid Waste Section
Department of Environmental Protection
Southeast Regional Office
20 Riverside drive
Lakeville, MA 02347

Re: Eastham Recycle Center
Transmittal No. X232995
BWP-SW-21
Permit Modification for C&D Area and
Emergency Generator Concrete Pad

Dear David:

On behalf of the Town of Eastham, A T P Environmental has completed and hereby submits one copy of BWP-SW-21 for enlargement of the existing area to manage construction and demolition debris. Also included is the placement of a concrete pad for a new, permanent emergency generator near the existing scale house.

The proposed improvements to the C&D area will improve the capacity of the Town to manage related wastes as they enter the site and are loaded into bins for transportation. The improvements will also allow the Town to more efficiently use its new hydraulic excavator to sort metal and clean wood in the area for further use or resale. In planning the site layout, care has been taken to ensure that the distance from the property line to the new facility is equal to or greater than the existing C&D setback.

I trust the attached permit application and support material is sufficient to begin your review. Please feel free to call me with any questions.

Yours Very Truly,

A T P ENVIRONMENTAL

A. Thomas Pawlina, PE
Principal

cc: Mr. Neil Andres, DPW Superintendent



Enter your transmittal number

X232995
Transmittal Number

Your unique Transmittal Number can be accessed online: <http://mass.gov/dep/service/online/trasmfrm.shtml>

Massachusetts Department of Environmental Protection Transmittal Form for Permit Application and Payment

1. Please type or print. A separate Transmittal Form must be completed for each permit application.

2. Make your check payable to the Commonwealth of Massachusetts and mail it with a copy of this form to: DEP, P.O. Box 4062, Boston, MA 02211.

3. Three copies of this form will be needed.

Copy 1 - the original must accompany your permit application. **Copy 2** must accompany your fee payment. **Copy 3** should be retained for your records

4. Both fee-paying and exempt applicants must mail a copy of this transmittal form to:

MassDEP
P.O. Box 4062
Boston, MA
02211

*** Note:**
For BWSC Permits, enter the LSP.

A. Permit Information

BWP-SW-21

1. Permit Code: 7 or 8 character code from permit instructions

New Construction & Demolition Management Area

3. Type of Project or Activity

Modification of Small Handling Facility

2. Name of Permit Category

B. Applicant Information – Firm or Individual

ATP Environmental

1. Name of Firm - Or, if party needing this approval is an individual enter name below:

Pawlina

2. Last Name of Individual

77 Sheffield Road

5. Street Address

Melrose

6. City/Town

Tom Pawlina

11. Contact Person

A. Thomas

3. First Name of Individual

MA

7. State

02176

8. Zip Code

tpawlina@aol.com

12. e-mail address (optional)

781-662-6033

9. Telephone #

4. MI

10. Ext. #

C. Facility, Site or Individual Requiring Approval

Eastham Recycle Center

1. Name of Facility, Site Or Individual

Old Orchard Road

2. Street Address

Eastham

3. City/Town

8. DEP Facility Number (if Known)

MA

4. State

02642

5. Zip Code

508-240-5973

6. Telephone #

7. Ext. #

9. Federal I.D. Number (if Known)

10. BWSC Tracking # (if Known)

D. Application Prepared by (if different from Section B)*

SAME

1. Name of Firm Or Individual

2. Address

3. City/Town

8. Contact Person

4. State

5. Zip Code

6. Telephone #

7. Ext. #

9. LSP Number (BWSC Permits only)

E. Permit - Project Coordination

1. Is this project subject to MEPA review? yes no
If yes, enter the project's EOE file number - assigned when an Environmental Notification Form is submitted to the MEPA unit:

EOEA File Number

F. Amount Due

Special Provisions:

1. Fee Exempt (city, town or municipal housing authority)(state agency if fee is \$100 or less).
There are no fee exemptions for BWSC permits, regardless of applicant status.
2. Hardship Request - payment extensions according to 310 CMR 4.04(3)(c).
3. Alternative Schedule Project (according to 310 CMR 4.05 and 4.10).
4. Homeowner (according to 310 CMR 4.02).

DEP Use Only

Permit No:

Rec'd Date:

Reviewer:

Check Number

Dollar Amount

Date



Massachusetts Department of Environmental Protection
 Bureau of Waste Prevention – Solid Waste Management

- BWP SW 07 Modification of a Large Handling Facility**
- BWP SW 11 Landfills - Major Modification**
- BWP SW 16 Combustion Facilities**
- BWP SW 21 Modification of a Small Handling Facility**
- BWP SW 22 Landfills - Minor Modification**
- BWP SW 45 Any Facility – Alternative Review**

X232995
 Transmittal Number

Facility ID# (if known)

Application for Solid Waste Management Facility Modification

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



Directions: Specify the plan/report and page numbers in which the following information is located.

A. Project Information (all applicants must complete this section)

1. Which permit category are you applying for?
 BWP SW 07 BWP SW 11 BWP SW 16 BWP SW 21 BWP SW 22 BWP SW 45
2. Is MEPA review required for this project? Yes No

3. Permit Modification (310 CMR 19.039)

	Plan/Report #	Page #
a. General Description (310 CMR 19.039(1))	Attachment	1
(1) Effect on Current Operation	Attachment	1
(2) Effect on Capacity	Attachment	1
(3) Effect on Operating Life	Attachment	1
b. Effect on Public Health Safety or the Environment (310 CMR 19.039(3))	Attachment	1

4. Currently Valid Department Approvals Attachment 3

DEP USE ONLY

Note: Complete only sections applicable to requested modification. Enter NA if not applicable.

B. Project Information

Important Note: Engineering Plans must be stamped by a Registered Professional Engineer (PE). Property Line Location must be stamped by a Registered Land Surveyor (RLS).

1. Plan/Report Modifications and/or Revisions

	Plan/Report #	Page #
a. Waste Control Plans (310 CMR 19.017)	N/A	
b. Facility Plan (310 CMR (19.030(3)(c)))	N/A	
(1) Site Plan (310 CMR 19.030(3)(c)1)	Figure 1	1
(2) Recycling/Composting Plan (310 CMR 19.030(3)(c)2.) MSW and Demolition Landfills and Combustion Facilities	N/A	
(3) Facility Design Plan (310 CMR 19.030(3)(c) 3.)	N/A	

DEP USE ONLY

B. Project Information (cont.)

Plan/Report #	Page #	DEP USE ONLY



Massachusetts Department of Environmental Protection
 Bureau of Waste Prevention – Solid Waste Management

BWP SW 07 Modification of a Large Handling Facility
BWP SW 11 Landfills - Major Modification
BWP SW 16 Combustion Facilities
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CMR	(4) Operation and Maintenance (310 19.030(3)(c) 4.)	N/A		
CMR	(5) Closure/Post-Closure Plan (310 19.030(3)(c) 5.)	N/A		
	(6) Hydrogeological Study (310 CMR 19.104(3))	N/A		
(310 CMR	(7) Class II Recycling Program 19.303) (Engineer's Supervision sign-off not required)	N/A		

C. Permit Review Documentation and Criteria

Note:
 Complete all sections applicable to requested modification. Refer to referenced regulation citation for applicability. Enter NA if not applicable.

		Plan/Report #	Page #	DEP USE ONLY
1.	Documentation			
a.	Site Assignment Documentation {310 CMR 19.030(3)(e)}	N/A		
b.	MEPA Status {310 CMR 19.030(3)(f)}	N/A		
c.	Wetlands Order of Conditions	N/A		
d.	Waste Disposal Contract (Transfer	N/A		
e.	Financial Assurance Estimate and Mechanism (310 CMR 19.051)	N/A		
2.	Permit Criteria (310 CMR 19.038)			
a.	MEPA Compliance	N/A		
b.	Site Assignment Limits	N/A		
c.	Compliance with Facility Specific Regulations	N/A		
d.	Health & Environmental Impact	N/A		
e.	Compliance with other applicable laws and regulations	N/A		

C. Permit Review Documentation and Criteria (cont.)



Massachusetts Department of Environmental Protection
 Bureau of Waste Prevention – Solid Waste Management

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		Plan/Report #	Page #	DEP USE ONLY
f.	Compliance with Waste Control	N/A		
g.	Enforcement Status	N/A		
h.	Bird Hazard	N/A		
i.	Structural Support	N/A		
j.	Wildlife Endangerment	N/A		
k.	Location Restrictions			
	1. Combustion Facilities and Handling Facilities			
	a. Zone II	N/A		
	b. IWPA	N/A		
	c. Unmonitorable Area	N/A		
	d. Waste Handling Setbacks	Attachment	2	
	2. Landfills			
	a. Zone II	N/A		
	b. Public Water Supply	N/A		
	c. IWPA	N/A		
	d. Sole Source Aquifer	N/A		
	e. Unmonitorable Area	N/A		
	f. Gas Control	N/A		
	g. Leachate Containment	N/A		
	h. Waste Deposition Setbacks	N/A		

C. Permit Review Documentation and Criteria (cont.)



Massachusetts Department of Environmental Protection
 Bureau of Waste Prevention – Solid Waste Management

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Application for Solid Waste Management Facility Modification

	Plan/Report #	Page #	DEP USE ONLY
i. Seismic Impact Zone	N/A		
j. Unstable Area	N/A		

D. Certification & Engineer's Supervision: 310 CMR 19.011

Engineer's Supervision:

All papers pertaining to design, operation, or engineering of this site or facility shall be completed under the supervision of a Massachusetts registered professional engineer knowledgeable in solid waste facility design, construction and operation, and shall bear the seal, signature and discipline of said engineer. The soils, geology, air monitoring and groundwater sections of the application or monitoring report shall be completed by competent professionals experienced in the fields of soil science and soil engineering, geology, air monitoring and groundwater, respectively, under the supervision of a Massachusetts registered professional engineer. All mapping and surveying shall be completed by a registered surveyor.

A. Thomas Pawlina
 Print Name

Authorized Signature

Principal Engineer
 Position/Title

A T P Environmental
 Company

28431
 P.E. #

Date

Certification:

Any person, required by these regulations or any order issued by the Department, to submit papers shall identify themselves by name, profession, and relationship to the applicant and legal interest in the facility, and make the following certification: "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties both civil and criminal for submitting false information including possible fines and imprisonment."

A. Thomas Pawlina
 Print Name

Authorized Signature

Principal Engineer
 Position/Title

Date

TRANSMITTAL NO. X232995

BWP SW 21
MODIFICATION OF A SMALL HANDLING FACILITY

EASTHAM RECYCLE CENTER
MODIFICATION TO CONSTRUCTION/DEMOLITION WASTE AREA
AND
INSTALLATION OF AN EMERGENCY GENERATOR PAD

A. PROJECT INFORMATION

3a. General Description

The Town of Eastham, in its effort to better serve its costumers and improve onsite operations, seeks a modest expansion to its Construction and Demolition (C&D) handling area. The new C&D area would remain at its present location; no relocation is planned. The Town would simply expand the existing dropoff area measuring approximately 20' by 40' feet into one that is slightly larger and includes a concrete floor.

The Town also seeks, through this permit application, to install a new concrete pad to support a new emergency generator located permanently a few feet west of the existing scale house.

Figure 1 Site Plan, attached, shows the location of both the expanded C&D disposal area and the new concrete pad. Minimal effects, all positive, are anticipated as a result of the proposed adjustments. With respect to the expanded C&D area, the Town anticipates that it will improve its onsite operations and, specifically, its management of C&D waste by providing a larger holding volume which will be lifted and containerized once, at the end of the day, rather than often, as is the case today. Such an improvement will free onsite staff to attend to other important tasks. The new layout (Figure 2), which replaces a concrete pad that had been broken to pieces over time, will also allow a roll-off container to be parked length wise on concrete instead of dirt. The improved access will allow the Town to use its new hydraulic excavator to sort metal and clean wood from bulky items, thereby increasing revenue from site operations. The C&D area improvements will not increase the MSW capacity at the site. Rather, because of its larger size and ease of use, it may reduce the volume of MSW managed by the hoppers as customers take advantage of the improved C&D disposal area flexibility. Finally, the proposed C&D changes will have no effect on the facility operating life or the public health safety or the environment.

With respect to the proposed emergency generator pad, the modification represents a site improvement because it replaces the current design calling for a portable emergency generator to be brought in and hooked up in cases of power failure. Though no power failure events have occurred to date, the ability to immediately resume operation of the two MSW pushpits and the five recycling compactors will result in continuous service to customers in a safe and environmentally protected manner. The location of the proposed emergency, immediately west of the scale house, is consistent with the original design location of the portable generator and all related interior and exterior wiring. As such, the proposed concrete pad and emergency generator will have no effect on current operations (other than the ability to respond immediately to emergency loss of power), and no effect on capacity or operating life.

B. PROJECT INFORMATION

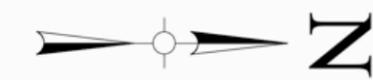
1.b(1) Site Plan - see Figure 1, attached.

C. PERMIT REVIEW DOCUMENTATION AND CRITERIA

2.k.1.d. Waste Handling Setbacks.

The new C&D handling area has been located and oriented so that its distance from the west property line (shared with the Commonwealth which has constructed a bike trail) is less than or equal to the current C&D area distance of 60'. Although the regulations call for a 100' setback, we respectfully request a waiver under 310 CMR 16.00 because 1) there is no change in proximity of the C&D facility; 2) the abutting property, 180 feet wide, contains, in addition to the bike trail, wooded areas and a high transmission line (See Figure 3).

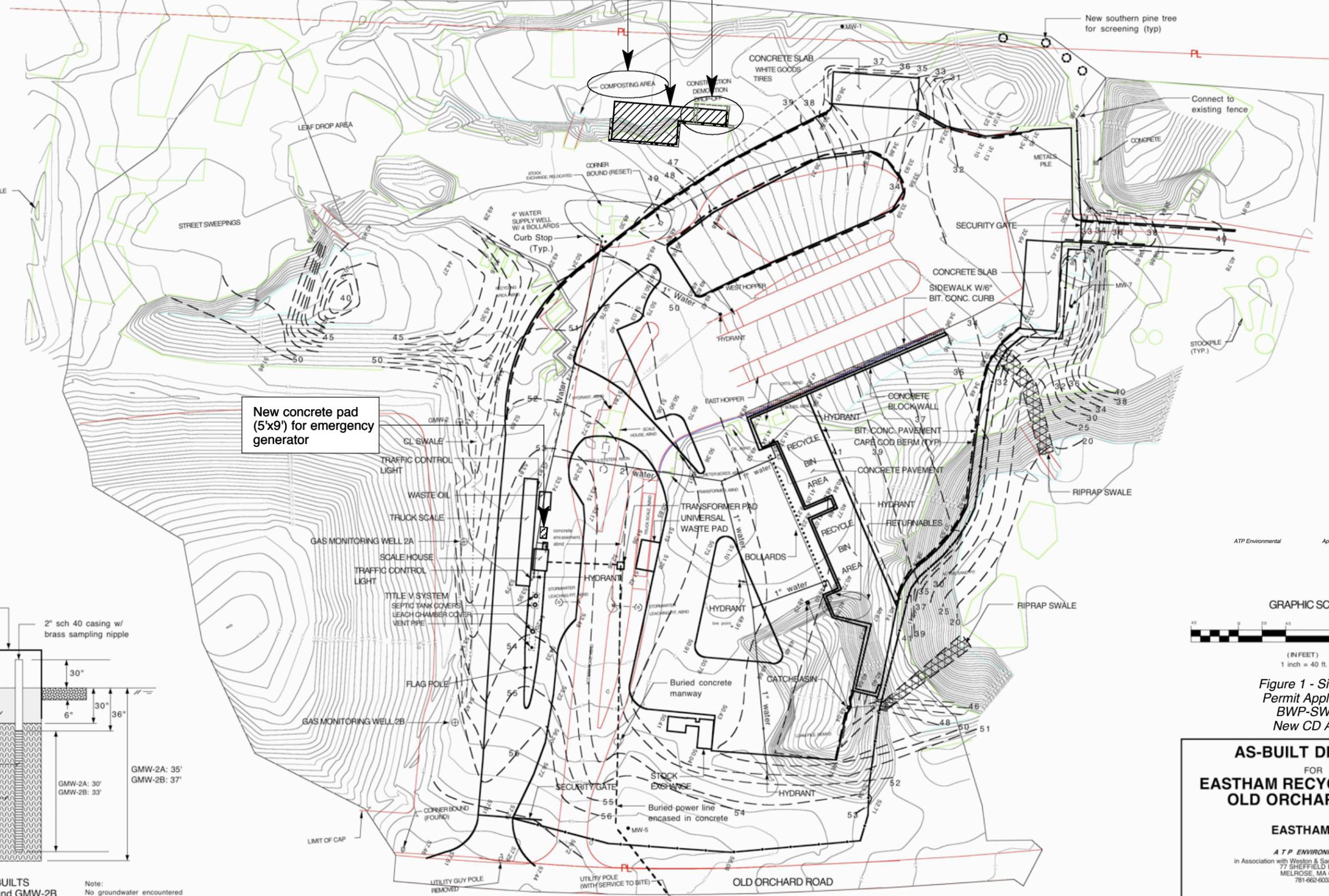
No other setback issues are present for the new C&D facility. The property beyond (west of) the Commonwealth's bike trail is operated as a seasonal trailer park with seasonal water demands. There are no year-round existing or potential private water supply wells within 250'; there are no occupied year-round residential dwellings, prisons, bedded health care facilities, lower education institutions, or childrens' pre-school within 250 feet; there are no resource areas protected by the Wetland Protection Act, or the 100 year floodplain; and there is no surface drinking water supply 500' upgradient or 250' down gradient of the proposed facility.



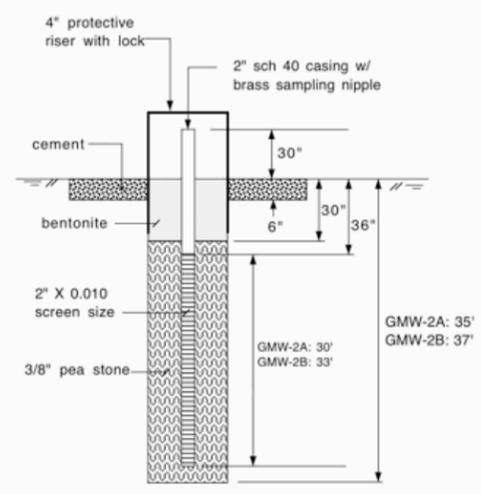
New Construction and Demolition Dropoff Area w concrete slab and block wall

Existing construction and demolition dropoff area

Composting Area moved south to leaf dropoff area



New concrete pad (5'x9') for emergency generator



ATP Environmental April 2010

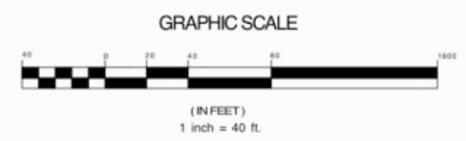


Figure 1 - Site Plan
Permit Application
BWP-SW-21
New CD Area

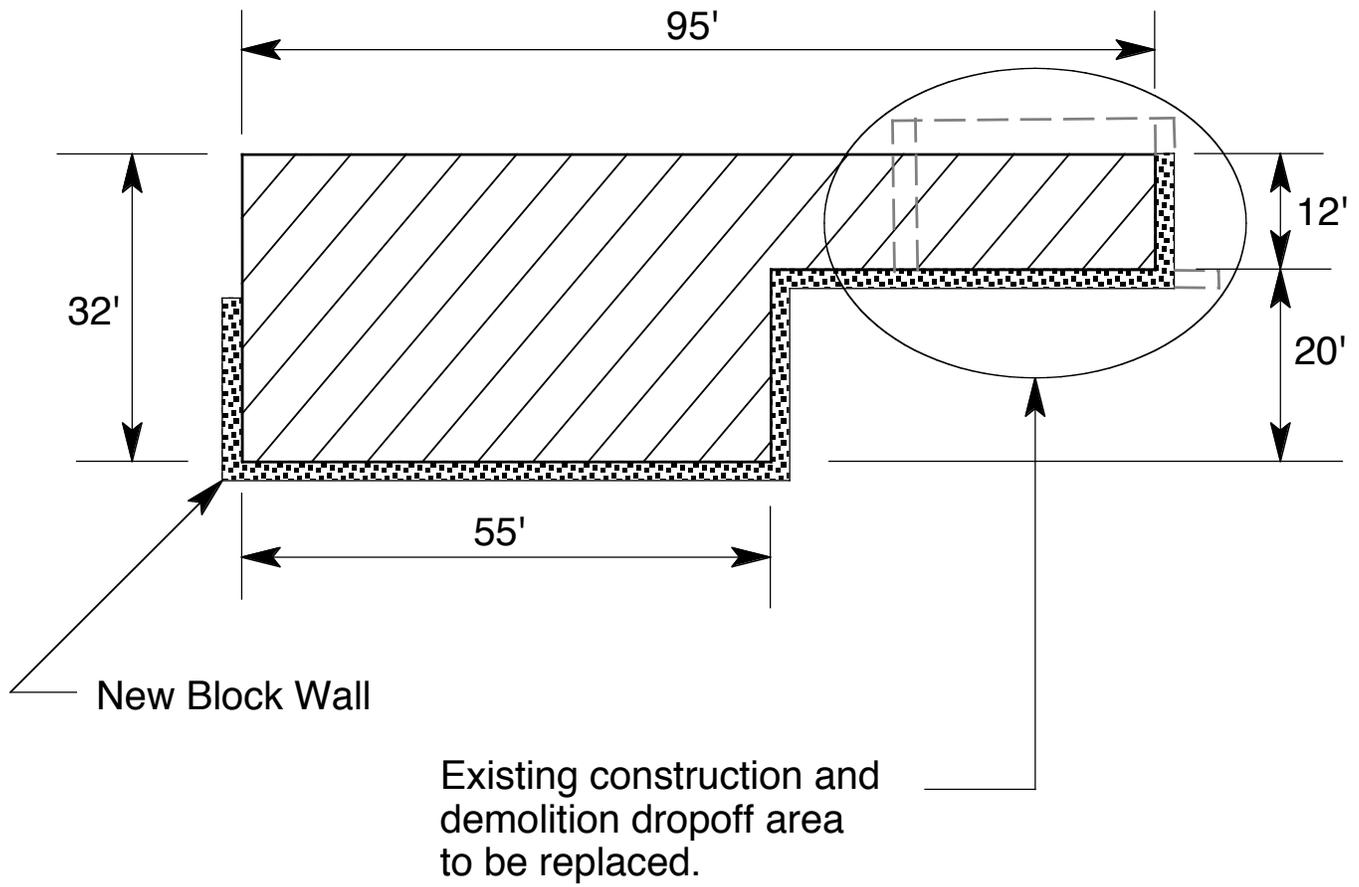
AS-BUILT DRAWING

FOR
EASTHAM RECYCLE CENTER
OLD ORCHARD ROAD

EASTHAM, MA

A T P ENVIRONMENTAL
in Association with Weston & Sampson Engineers, Inc.
77 SHEFFIELD ROAD
MELROSE, MA 02176
781-662-6033

DATE: NOVEMBER 2003 SHEET 1 OF 1 PROJ. NO. 03-277

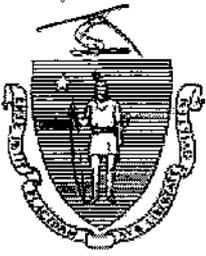


Scale: 1" = 20'

*Figure 2 - New CD Dropoff Area
Permit Application
BWP-SW-21
New CD Area*



Figure 3 - Abutting Properties
Permit Application
BWP-SW-21
New CD Area



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHEAST REGIONAL OFFICE
20 RIVERSIDE DRIVE, LAKEVILLE, MA 02347

JANE SWIFT
Governor

BOB DURAND
Secretary

LAUREN A. LISS
Commissioner

COPY

November 1, 2002

Ms. Sheila Vanderhoef
Town Administrator
Eastham Town Hall
2500 State Highway
Eastham, Massachusetts 02642

RE: PERMIT APPROVAL WITH CONDITIONS
MODIFICATION OF A SMALL HANDLING FACILITY
TOWN OF EASTHAM
BWP SW 21

AT: Eastham Transfer Station and Recycling Facility
Old Orchard Road
Eastham, MA

Transmittal No. W028459

Dear Ms. Vanderhoef:

The Department of Environmental Protection, Solid Waste Management Section (the "Department") has completed its Technical Review of the permit application ("Application") for modification of the Town of Eastham Transfer Station and Recycling Facility, determined that the Application is Technically Complete, and hereby approves the Application subject to the conditions herein.

The Application was prepared on behalf of the Town of Eastham ("Town") by ATP Environmental ("ATP") in association with Weston & Sampson Engineers, Inc. ("WSE") and WAS received by the Department on May 28, 2002. The Application consists of a bound document entitled "BWP SW 21, Modification of a Small Handling Facility, Town of Eastham, Mass., May 2002", a bound set of thirteen (13) drawings entitled "Town of Eastham Massachusetts, Eastham Recycling Center, May 2002", and supplemental information. The Department issued a Determination of Administrative Completeness on the Application on June 11, 2002 and a determination of Technical Incompleteness on June 13, 2002. On July 22, 2002, ATP submitted supplemental application information consisting of revised drawings, a bound

This information is available in alternate format by calling our ADA Coordinator at (617) 574-6872.

DEP on the World Wide Web: <http://www.mass.gov/dep>

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COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHEAST REGIONAL OFFICE
20 RIVERSIDE DRIVE, LAKEVILLE, MA 02347, 508-946-2700

COPY

DEVAL L. PATRICK
Governor

IAN A. BOWLES
Secretary

TIMOTHY P. MURRAY
Lieutenant Governor

LAURIE BURT
Commissioner

September 17, 2007

Ms. Sheila Vanderhoef
Town Administrator
Eastham Town Hall
2500 State Highway
Eastham, Massachusetts 02642

RE: FINAL APPROVAL WITH CONDITIONS
Application for: BWP SW 21
Drainage Modifications

AT: Eastham Transfer Station and Recycling Facility
Old Orchard Road
Eastham, Massachusetts
Transmittal No. W149264
Facility No. 40107

Dear Mr. Vanderhoef:

The Massachusetts Department of Environmental Protection ("MassDEP") has completed its Administrative and Technical Review of the permit application listed above and determined that it is administratively and technically complete. Accordingly, MassDEP hereby approves the proposed new Drainage System subject to the conditions herein. The application was prepared and submitted by ATP Environmental ("ATP") on behalf of the Town of Eastham ("Town") and was received by MassDEP on August 8, 2007.

SUBMITTALS

The following submittals represent the complete Application reviewed by MassDEP pursuant to 310 CMR 19.000 Solid Waste Management Regulations.

- Application Form BWP SW 21, Modification of a Small Handling Facility and a Transmittal Form assigned number W149264.
- Supplemental submittal, including product specifications, received by MassDEP on August 15, 2007.
- Supplemental submittal, including design calculations, received by MassDEP on September 4, 2007.

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD Service - 1-800-298-2207.

DEP on the World Wide Web: <http://www.mass.gov/dep>

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