



April 29, 2015

Glenda Velez - CIP
U.S. Environmental Protection Agency - Region 1
5 Post Office Square – OEP06-01
Boston, MA 02109-3912

Fred Civian
Massachusetts Department of Environmental Protection
One Winter Street - 5th Floor
Boston, MA 02108

**Subject: Annual Update - NPDES Phase II General Permit
Town of Sandwich Stormwater Management Plan: Year 12 Update**

Dear U.S. EPA and MaDEP:

As required under the NPDES Stormwater General Permit, the Town of Sandwich hereby submits this annual update of the Town's Stormwater Management Plan (SMP). This report is a continuation of the original 5-year permit issued for the Town of Sandwich. During the twelfth year, the Town continued many efforts implemented in the initial permit and strove to meet goals that were planned but not met within the first five years. An update of Year 12 accomplishments are listed below and shown in the attached tables.

Year 12 Update

The Town of Sandwich continues to be very proactive in the field of stormwater management and has successfully fulfilled nearly all of its goals established in its Stormwater Management Plan over the 12-year period.

This Annual Update provides a look at major accomplishments, new programs and goals and the status of goals that have not been met as scheduled. Below is a summary of Year 12 implementation.

Significant Accomplishments (Spring 2014 - Winter 2015)

Below is a list of some of the significant goals accomplished over the past year. Further details and illustrations of these accomplishments are shown in the attached appendix.

Stormwater Mapping

In anticipation of new requirements expected to be part of the NPDES Stormwater General Permit reissuance, the Town's Engineering Department has begun efforts to refine and improve mapping of catchment and subcatchment areas. This work is being incorporated into the Town's Geographic Information System and will help future stormwater mitigation planning.

Stormwater Mitigation of Mill Creek

The Town of Sandwich has continued efforts to implement BMP retrofits to mitigate stormwater pollution entering Mill Creek, a tributary of Sandwich Harbor. Shellfishing had been prohibited by the State at Sandwich Harbor since 1985 due to bacteriological contamination. Starting with illicit detection inspection in 1990 and continuing with Coastal Pollution Remediation (CPR) grants and a recent 319 grant, the Town continues to actively mitigate stormwater impacts in the Town of Sandwich. The Town's efforts to abate pollution, including stormwater mitigation, have resulted in the recent reopening of the shellfish beds by the Division of Marine Fisheries and successful shellfish harvests. This past year, the Town has worked to integrate advanced stormwater mitigation measures into improvement projects. An example of this is the Library parking lot reconstruction project. There, bioretention systems have been incorporated into the new layout. Currently, construction is ongoing.

Comprehensive Water Resources Management Plan Development

The Town of Sandwich has continued Comprehensive Water Resources Management Planning to address water resource issues across Town, including stormwater management. In addition to stormwater, the work will assess and develop solutions for wastewater and other potential pollution sources. The Town's consultant has completed the draft of the first phase of this work, the Needs Assessment: <http://www.graphtechservices.com/ccw/CWRMPreport.pdf>.

Environmental Exposition at Sandwich High School

Town staff attends an Environmental Expo at Sandwich High School each year to view projects completed by the senior class. Staff assists students throughout their project period by providing mapping and stormwater information related to their local projects.

Household Hazardous Products Collection

The Town collaborates annually with four other neighboring communities to provide opportunities for residents to properly dispose of household hazardous products. This reduces the amount of hazardous material released to the environment, including water resources.

Municipal Solid Waste Disposal Enhancements

Town recently implemented a Pay-As-You-Throw program at the Solid Waste Transfer Station. This program requires users to pay for each bag of general trash disposed of. This, together with improvements to the recycling center has reduced the Town's municipal solid waste stream and increased recycling. The Department of Public Works also distributed compost bins for home composting and aired "Home Composting - Turning Your Spoils to Soil" on local TV (a MassDEP DVD). The Town gave away recycling and compost bins at this event.

Community Pride Day

The Town of Sandwich continues the annual Community Pride Day where residents participate in the cleanup of the Town. The DPW distributes equipment to assist in the cleanup of trash and identifies locations where residents can focus their efforts, such as at walking trails, roadsides, beaches, marshes and along shorelines. This event helps prevent trash from entering our valuable water bodies.

Stormwater Inspections and Monitoring

The Town continues to monitor erosion control at developments and inspect illicit connections throughout town as part of its SMP. The Town's enforcement of this program has effectively cleaned up many sites, minimizing impacts to the Town's drainage system and water bodies.

Stormwater Management Plan on Display

The Stormwater Management Plan is on display on the Town's web site for public viewing. Additionally, the Town's GIS allows the public to pinpoint specific stormwater problems and relay this information via e-mail to the Department of Public Works. The e-mail shows a map and ID number of the drainage facility so the DPW can quickly respond to any drainage issues. This process also allows accurate record keeping by the DPW.

Water Quality Groups

The Town of Sandwich is proactive in matters related to water quality in Sandwich and on Cape Cod. The Town has many public officials and volunteers actively involved with water quality committees including but not limited to the Sandwich Water Quality Advisory Board, Mass Estuaries Program, Popponesset Bay State DEP Pilot Intra-municipal Work Group and 3 Bays Initiative.

Status of Goals for Year 12

Similar to the original table submitted for the NPDES General Permit, the attached table shows goals proposed for all Six Control Measures. This updated table reflects new goals and the status of Year 1 through 12 goals. The yellow highlighted cells represent goals scheduled and met in each season of respective years. New goals mentioned earlier have also been included in the table.

The attached appendix shows several of the actions performed by the Town to meet the Year 12 goals listed in the table.

Overall Status of 12-Year Permit Term

As can be seen in the attached table, almost all of the goals in the Town's SMP have been met over the permit period. It's important to note that several new goals were added to the Six Control Measures as the SMP evolved. Goals that were not achieved are shown below. In all instances, these goals will be accomplished in future years, as identified in the table. Note: Some of the goals overlap in the Six Control Measures.

Unmet Goals of Six Control Measures

5.4 Construction Stormwater Runoff Control

4g. Recommended BMP's – Future Goal

The Town requires developers to design drainage facilities using BMP's. The Town had anticipated the Cape Cod Commission obtaining a grant to create a list of "Cape Cod BMP's" to distribute to developers. Since the grant was not awarded, the Town has begun to develop its own brochure and list of BMP's. This work is underway and is anticipated to be completed in the next permit year.

4i. Erosion Control Guidelines – Future Goal

The Town has begun to update its current Erosion Control Guideline to reflect current BMP practices and design. This guideline will be available for developers and homeowners. The guideline will also complement enforcement letters for non-compliance. This work is underway and is anticipated to be completed in the next permit year.

5.5 Post Construction Stormwater Management

5f. Recommended BMP's – Future Goal. See Unmet Goal 5.2, 4g above.

5h. Erosion Control Guidelines – Future Goal. See Unmet Goal 5.2, 4.i above.

Future Stormwater Management Plan & Permit

As mentioned above, the Town plans to complete the remaining goals of the SMP during the next permit and will continue implementing most of the SMP goals annually.

The Town will add to its SMP goals as necessary to meet compliance requirements of new permits issued by EPA and DEP. Several of the preliminary requirements for the new permit listed in the EPA letter dated August 3, 2007 are goals that the Town of Sandwich has already implemented. The Town anticipates that it will be able to comply with the others as staffing and funding becomes available.

Conclusion

The Town of Sandwich's accomplishments over the permit period meet or exceed nearly all of the scheduled goals. Additionally, new goals have been created to further enhance the Town's Stormwater Management Plan. We trust that these accomplishments will satisfy the Massachusetts Department of Environmental Protection and the United States Environmental Protection Agency requirements for this permit. Please contact Sam Jensen of the Sandwich Engineering Department if you have any questions or require further information regarding this Annual Update.

Sincerely,

A handwritten signature in blue ink, appearing to read "Sam J.", is written over a horizontal line.

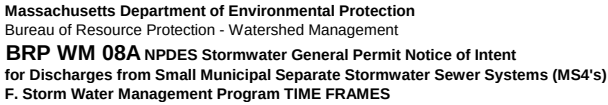
Samuel J.P. Jensen, P.E.
Assistant Town Engineer

Encl.

United States Environmental Protection Agency
April 29, 2015

Page 5

cc: G. Dunham, Town Manager
P. Tilton, DPW Director, Town Engineer

Page: 1 of 3

Note: Many of the BMP's above will continue beyond the initial 5-year permit period.
 = Goals completed in the season & year shown above. **Words in Red** = goals not accomplished under the five year permit.



Massachusetts Department of Environmental Protection

Bureau of Resource Protection - Watershed Management

BRP WM 08A NPDES Stormwater General Permit Notice of Intent

for Discharges from Small Municipal Separate Stormwater Sewer Systems (MS4's)

F. Storm Water Management Program TIME FRAMES

Transmittal Number: W035665

Facility ID (if known): _____

Page: 2 of 3

BMP ID #	PERMIT YEAR ONE				PERMIT YEAR TWO				PERMIT YEAR THREE				PERMIT YEAR FOUR				PERMIT YEAR FIVE				PERMIT YEAR 6	PERMIT YEAR 7	PERMIT YEAR 8	PERMIT YEAR 9	PERMIT YEAR 10	PERMIT YEAR 11	PERMIT YEAR 12	STATUS	
	Spring 03	Summer 03	Fall 03	Winter 03-04	Spring 04	Summer 04	Fall 04	Winter 04-05	Spring 05	Summer 05	Fall 05	Winter 05-06	Spring 05	Summer 05	Fall 05	Winter 05-06	Spring 07	Summer 07	Fall 07	Winter 07-08	ACHIEVEMENTS	ACHIEVEMENTS	ACHIEVEMENTS	ACHIEVEMENTS	ACHIEVEMENTS	ACHIEVEMENTS	ACHIEVEMENTS	Goals	Comments
5.4: Const. Stormwater Runoff Control																													
4a																												Town Bylaw - Driveway Regulation	Continue to enforce driveway regulations to minimize stormwater impacts.
4b																												Existing Laws & Regulations	Continue to enforce stormwater and erosion regulations and will evaluate need for updates.
4c																												Educational Info & Public Participation	Distributed & displayed educational information. Earth Day Activities. Water & Sewer article.
4d																												Development Review	Continue to enforce stormwater and erosion regulations during development review.
4e																												Consideration of Public Information	Public notifies DPW of drainage issues via GIS. Town will solicit input on SMP and from web site.
4f																												Site Inspections	Town officials continue to inspect & enforce regulations related to stormwater & erosion control.
4g																												Recommended BMP's	Required BMP's thru development review. Town will complete BMP List for developers..
4h																												Zoning Bylaw - Erosion Control	Erosion control law in place and being enforced by site visits. Update as necessary.
4i																												Erosion Control Guidelines	Will include with recommended BMP List for distribution. Old version is being updated.
4j																												Subdivision Rules & Regulations	Made changes to stormwater regs in the Subdivision Rules & Regulations. Update as necessary.
4k																												Water Sampling	Health Department/County sample water quality annually. DPW sampled Mill Creek for 319 Grant.
4l																												Stormwater Posters	Displayed 4 Stormwater posters in Town buildings.
5.5: Post-Construction Stormwater Management																													
5a																												Growth Incentive Zones - Stormwater Plans	Working with CCC on Growth Centers and Local Comprehensive Plan to address these issues.
5b																												Existing Laws and Regulations	Continue to enforce stormwater and erosion regulations and will evaluate need for updates.
5c																												Educational Info & Public Participation	Distributed & displayed educational information. Earth Day Activities. Water & Sewer article.
5d																												Development Review	Continue to enforce stormwater and erosion regulations during development review.
5e																												Catch Basin Cleaning	Continue to clean & monitor CB conditions. Will include Maintenance Plan on GIS.
5f																												Recommended BMP's	Required BMP's thru development review. Town will complete BMP List for developers.
5g																												Zoning Bylaw - Erosion Control	Erosion control law in place and being enforced by site visits. Will update w/ BMP focus
5h																												Erosion Control Guidelines	Will include with recommended BMP List for distribution. Old version is being updated.
5i																												Subdivision Rules & Regulations	Made changes to stormwater regs in the Subdivision Rules & Regulations. Update as necessary.
5j																												Water Sampling	Health Department and County continue to sample water quality and report to DPW.
5k																												Stormwater Posters	Displayed 4 Stormwater posters in Town buildings.
																													Taught class, interacted w/ students on projects & involved them with data collection.
5.6: Pollution Prevention & Good Housekeeping in Municipal Operations																													
6a																												Stormwater Mitigation w/ BMP's	Cont'd using Town funds/grants to mitigate stormwater. Completed construction of 319 Grant
6b																												Pollution Control & Mitigation Measures	Installed fuel spill cleanup kit. Will continue pollution control at DPW and Town buildings.
6c																												BMP Projects on Town-Owned Land	Will continue to implement BMP's at townwide projects.
6d																												DPW: On-Site Stormwater Containment	DPW inspects Transfer Station drainage facilities quarterly and entire site annually.
6e																												DPW Environmental Audit - EPA Program	Constructed Salt Shed and Interior washing area in DPW Garage.
6f																												DPW Maintenance Program	DPW uses GIS to assist w/ catch basin maintenance records
6g																												DPW Training	Employees are trained about stormwater impacts. DPW attends stormwater seminars
6h																												Tree Planting Program	Town has completed a Tree Inventory and Management Plan for Sandwich Village.
6i																												DPW Brochures	DEP and other agency brochures/FAQ are made available to employees/public. On web.

Note: Many of the BMP's above will continue beyond the initial 5-year permit period.

= Goals completed in the season & year shown above. Words in Red = goals not accomplished under the five year permit.



Massachusetts Department of Environmental Protection
Bureau of Resource Protection - Watershed Management
BRP WM 08A NPDES Stormwater General Permit Notice of Intent
for Discharges from Small Municipal Separate Stormwater Sewer Systems (MS4s)
F. Storm Water Management Program TIME FRAMES

Transmittal Number: W035665

Facility ID (if known): _____

Page: 3 of 3[illegible]

Note: Many of the BMP's above will continue beyond the initial 5-year permit period.

APPENDIX

YEAR 12 UPDATE

- School Presentation Materials
- Sandwich Public Library Bioretention Construction Plan
- Cape Cod Cooperative Extension Hazardous Waste Disposal Campaign
- Household Hazardous Waste 2015 Collection Brochure
- Hazardous Materials Program Flyers
- Town of Sandwich DPW Pay-As-You-Throw Brochure
- Sandwich DPW How to Recycle Flyer

From: [Tilton, Paul](#)
To: [Jensen, Samuel](#)
Subject: Oak Ridge 3R Presentation
Date: Wednesday, June 25, 2014 11:41:58 AM
Attachments: [Oak Ridge Recycling Bin.pdf](#)

Sam,

On Friday, June 25, 2014, the Sandwich DPW presented the 3 R's (Reduce, Reuse and Recycle) to 100 5th grade students at the Oak Ridge School. The presentation included a discussion of the environmental benefits of the 3 R's. The students were awarded a certificate for their recycling efforts at school and were further encouraged to recycle at home with the incentive of a free recycling bin (see attached).

Paul S. Tilton, PE
DPW Director/Town Engineer
Sandwich Department of Public Works
500 Route 130
Sandwich, MA 02563

ptilton@townofsandwich.net
Office: 508-833-8002
Cell: 774-313-8624
Fax: 508-833-8011

TOWN OF SANDWICH
THE OLDEST TOWN ON CAPE COD
DEPARTMENT OF PUBLIC WORKS



500 ROUTE 130, SANDWICH, MA 02563

DIRECTOR & TOWN ENGINEER 508.833.8002 • FAX 508.833.8011
ASSISTANT TOWN ENGINEER 508.833.8000 • FAX 508.833.8005
TREE WARDEN 508.833.8003 • FAX 508.833.8011
EMAIL: dpw@townofsandwich.net

Dear Oak Ridge School Recycler,

Thank you for recycling at the Oak Ridge School. Your commitment to recycling not only helps the environment but also saves money for the Town of Sandwich.

By signing your name below, you are committing to recycle at home as well.

Print Name

Sign Name

To assist you with your recycling efforts at home, the Sandwich Department of Public Works is offering you one (1) free recycling bin. Please bring this form with you to the following address to pick up your recycling bin:

Sandwich DPW

500 Route 130 (go to DPW office in green building – not the Transfer Station)

Sandwich, MA 02563

Thank you,

Sandwich DPW



From: [Tilton, Paul](#)
To: [Jensen, Samuel](#)
Subject: FW: thank you
Date: Wednesday, June 25, 2014 12:20:29 PM
Attachments: [recycle pres 1 6- 14.jpg](#)
[recycle pres 2 6- 14.jpg](#)

FYI....

-----Original Message-----

From: akelly@sandwich.k12.ma.us [<mailto:akelly@sandwich.k12.ma.us>]
Sent: Monday, June 23, 2014 10:15 AM
To: Tilton, Paul; phurley@sandwich.k12.ma.us
Cc: rcatten-shaffer@sandwich.k12.ma.us; cschofield@sandwich.k12.ma.us
Subject: thank you

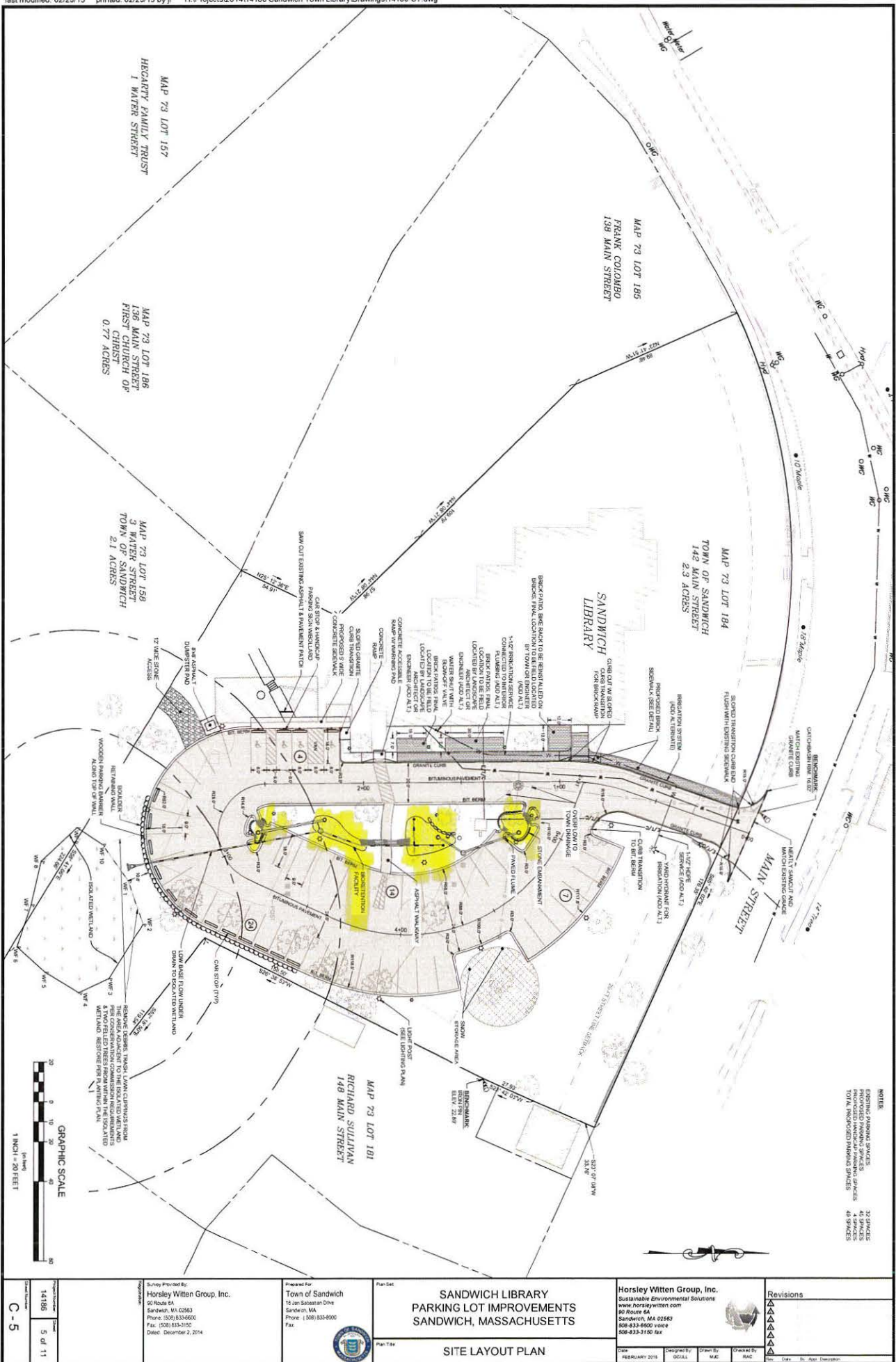
Thank you, Paul. The students and teachers learned so much and....our principal, Patrice Hurley, would like you to present to our whole school sometime next year and...the 5th grade teachers are asking if you would be willing to give them a presentation about composting early next fall. It turns out that composting is in the new science standards for 5th grade. All this must mean you were an effective speaker. Please don't think of this as "a can of worms" (referencing your jar of worms for composting). Think of this as a way of educating our future leaders. thanks again, Ann

Please be advised that the Attorney General has ruled that communication via electronic mail in the public domain is not confidential and is considered a matter of public record.

This email has been scanned by the Symantec Email Security.cloud service.
For more information please visit <http://www.symanteccloud.com>

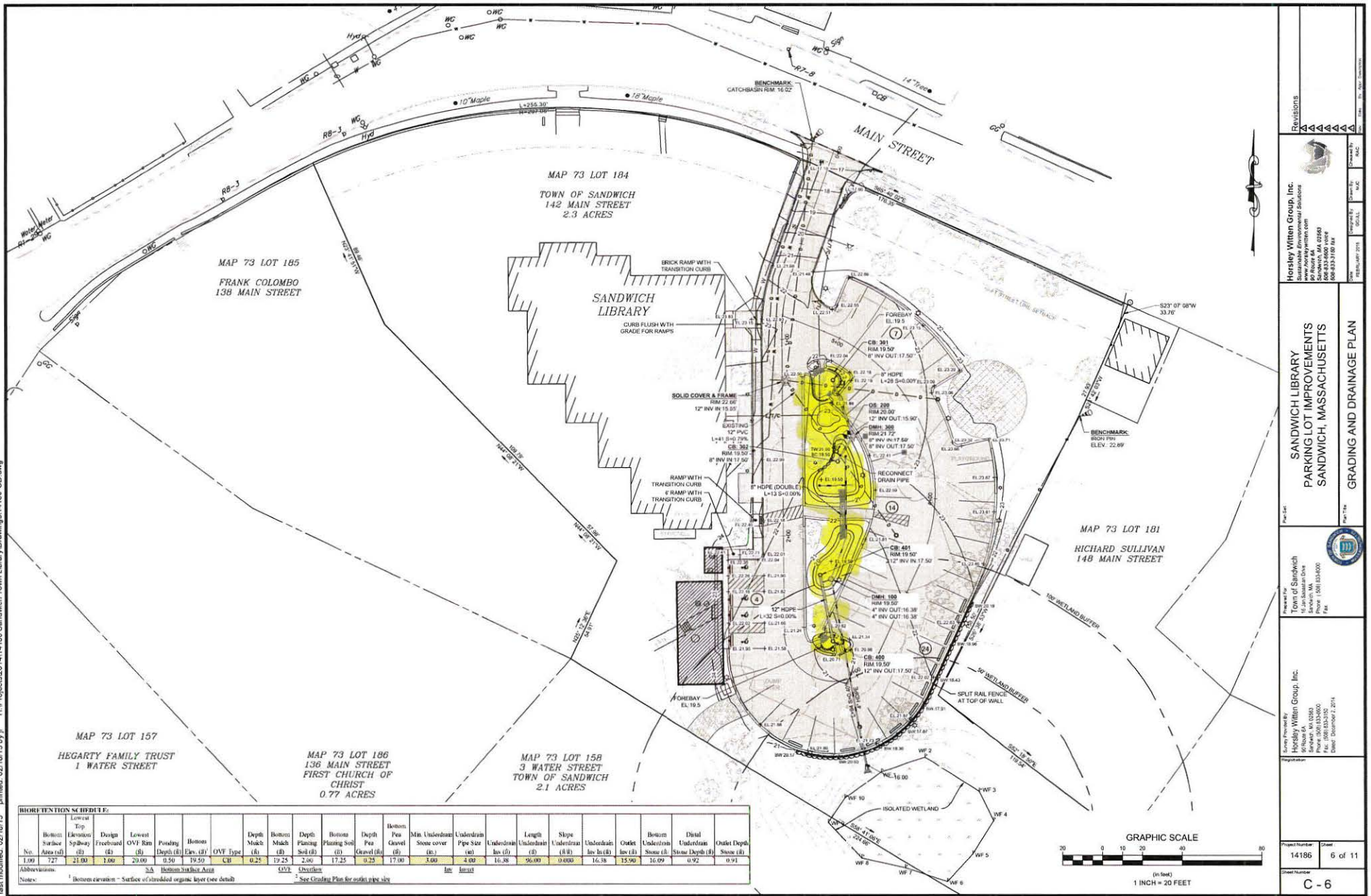






14186	5 of 11	C-5		Survey Provided By:	Town of Sandwich	Plan Set:	SANDWICH LIBRARY PARKING LOT IMPROVEMENTS SANDWICH, MASSACHUSETTS		Revisions
				Horsley Witten Group, Inc. 90 Route 6A Sandwich, MA 02563 Phone: (508) 833-4600 Fax: (508) 833-3150 Dated: December 2, 2014		Prepared For:			

last modified: 02/18/15 printed: 02/18/15 by: jf H:\Projects\2014\14186 Sandwich Town Library\Drawings\14186-SD.dwg



Revisions

No.	Description	By	Date
1	ISSUED FOR PERMIT	JF	02/18/15

Project Number: 14186

Sheet: 6 of 11

C-6

Project: SANDWICH LIBRARY PARKING LOT IMPROVEMENTS SANDWICH, MASSACHUSETTS

Grading and Drainage Plan

Prepared For: Town of Sandwich, Sandwich, MA

Prepared By: Horsley Witten Group, Inc., Sandwich, MA

Project Number: 14186

Sheet: 6 of 11

C-6

Horsley Witten Group, Inc.
Sustainable Environmental Solutions
www.horsleywitten.com
Sandwich, MA 02563
Phone: 508-533-6000
Fax: 508-533-7100



CAPE COD COOPERATIVE EXTENSION

Deeds and Probate Building
3195 Main Street - PO Box 367
Barnstable, MA 02630-0367
(508) 375-6690 tel - (508) 362-4518 fax
www.capecodextension.org

FOR IMMEDIATE RELEASE

Date: March 16, 2014

Contact: Michael Maguire

Extension Educator

(508) 375-6699

mmaguire@barnstablecounty.org

Love Your Local Water: Cape Cod Cooperative Extension Unveils Hazardous Waste Disposal Campaign

Barnstable, MA- Barnstable County's Cape Cod Cooperative Extension, the arm of county government responsible for outreach and programs related to hazardous waste and water quality on the Cape, today unveils the rebranding of its hallmark Household Hazardous Waste Collections program. The new branding campaign is focused on bringing renewed awareness to the variety of public services and initiatives focused on diverting household hazardous waste from entering Cape Cod's waters. Protecting the Cape's groundwater is critically important because it is the Cape's only source of drinking water.

With the Extension's Hazardous Waste & Water Quality Department entering its third decade collaborating with Cape Cod towns to provide free household hazardous collections throughout the County, the Extension's Deputy Director Mike Maguire recognizes it is vital to shine a new light on the success of the current collections program as well as communicate the Department's full range of hazardous collection capabilities in order to address the County's evolving needs in waste management.

Mike Maguire states, "As we continue to safeguard and protect Cape Cod's natural resources, the rebrand and enhanced communications will showcase our commitment to preserving our waters, in particular our drinking water, with convenient, effective, and measurable public programs".

The rebrand efforts, including an updated logo and marketing materials, reflects the current success and broadened scope of the Extension's Hazardous Waste & Water Quality Department's capabilities in assisting County residents and businesses in identifying and disposing of household waste that is too toxic to put in the trash. Safe disposal of other products such as unwanted medications, mercury products, marine flares, and needles/syringes (sharps) will also be highlighted. The ultimate goal of these programs is to prevent hazardous products from contaminating our ponds, lakes, rivers, streams, marshes, beaches, and drinking water.

With the tagline, "Love Your Local Water. It's A Cape Cod Thing." and a communication campaign showcasing simple tips on properly disposing of everyday household hazardous products that are too toxic to put in the trash, the Extension will show citizens how simple behaviors make a real difference in preventing pollutants from entering Cape Cod waters.

-More-

"I regularly talk to residents, visitors, and business owners who all take great pride in our beautiful waters and understand how fragile the environment is here. If you live on the Cape or just come to visit, you understand how valuable having clean water is here. We don't need to tell people to save our waters; we need to show them how to save our waters, through practical steps that anyone can take in their day-to-day lives. This empowering, colorful, and fresh campaign will identify how Cape Codders love to protect our local waters by following simple tips with clear benefits".

The new communication materials and updated Household Hazardous Waste Collections schedule will be rolled out in the coming months.

###

SAVE
THE
DATE

2015 SCHEDULE

BOURNE, SANDWICH, FALMOUTH,
MASHPEE, AIR STATION CAPE COD

April
18

9am to 1pm
Sandwich High School
365 Quaker Meetinghouse Rd.

June
20

9am to 1pm
Falmouth High School
874 Gifford St., off Brick Kiln Rd.

August
15

9am to 1pm
Mashpee High School,
500 Old Barnstable Rd., off Rt 151

Oct.
17

9am to 1pm
Peebles Elementary School
70 Trowbridge Rd.,
off Bourne Rotary

Questions?

Visit the Hazardous Materials Program at
www.capecodextension.org

"Love your local water. It's a Cape Cod Thing." is
a campaign of Cape Cod Cooperative Extension's
Hazardous Waste & Water Quality Department.

LOVE YOUR LOCAL WATER.
IT'S A CAPE COD THING.



Cape Cod Cooperative Extension
P.O. Box 367
Barnstable, MA 02630-0367
www.capecodextension.org
508-375-6699

too TOXIC to TRASH



HOUSEHOLD HAZARDOUS WASTE 2015 COLLECTION SCHEDULE


BOURNE, SANDWICH, FALMOUTH,
MASHPEE, AIR STATION CAPE COD

COVANTA
ENERGY
for a cleaner world

HHW Collections are funded by
the Towns of Bourne, Sandwich,
Mashpee and Falmouth; Covanta
SEMASS; and Barnstable County's
Cape Cod Cooperative Extension.

ECRWSS
POSTAL CUSTOMER

PSRST STD
U.S. POSTAGE
PAID
LEOMINSTER, MA
PERMIT NO. 17



LOVE YOUR LOCAL WATER.
IT'S A CAPE COD THING.



SIMPLE & FREE



LOVE YOUR LOCAL WATER.
IT'S A CAPE COD THING.



PROTECT WHAT WE LOVE ABOUT THE CAPE.
IT ALL STARTS WITH **YOU!**

Household hazardous waste (HHW) collections protect what we love about Cape Cod, especially our precious local drinking water. Most chemicals are too toxic to throw away in regular trash or dump down the drain, so FREE collections are being held to take that waste off your hands and keep it out of our water supply.

Are you a small business? Do you use chemicals? To make your state required disposal arrangements, contact Mike Maguire at #508-375-6699.

BRING THESE ITEMS TO YOUR COLLECTION



PAINTS, POLISHES & STAINS

Alkyd-Based Paint & Stain • Marine Paints & Sealers • Metal & Furniture Polish • Oil-Based Paint & Stain
Paint Thinner & Remover • Solvent-Based Wood Finish • Wood Preservatives • Auto Paint (no latex)



YARD CHEMICALS

Driveway Sealer with Solvent • Fertilizers with Weed Killer • Rodent Poison • Weed Killer
Insecticides • Pesticides



CLEANERS & CHEMICALS

Pool Cleaners & Chemicals Solvents • Photo & Hobby Chemicals • Oven Cleaner • Drain Cleaner
Spot Remover • Acids • Degreasers • Disinfectants



AUTO FLUIDS

Car Cleaner with Solvent • Brake & Power Steering Fluid • Bug & Tar Remover • Camp Fuel
Radiator Flush • Car Polish • Gasoline

For items not listed here visit www.capecodextension.org for disposal instruction.

WANTED! MERCURY

It is important to keep mercury out of our environment and water supply. To dispose of household mercury containing products, such as **thermometers, thermostats or barometers**, bring these items to your local HHW collection. If you come across larger amounts of mercury in your home please contact the Barnstable County Hazardous Waste team at #508-375-6699.



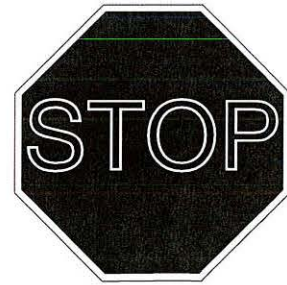
(508) 375-6699

Disposing of Hazardous Paints, Stains and Wood Finishes

How can I identify hazardous materials?

Look for these words on the label:

- Clean up with paint thinner or mineral spirits.
- Combustible
- Oil
- Alkyd
- Alkyd Resin
- Petroleum Distillates
- Mineral Spirits
- Linseed Oil
- Hydrocarbons
- Solvent-based
- Lacquer
- Thinner
- Lead
- Chromium
- Two-part Paint
- Car or Boat Paint
- Swimming Pool Paint



How do I dispose of these materials?

Solid in can: Throw away in household trash.

Recycle: Most towns accept *usable* oil and alkyd paints, stains and wood finishes from town residents at the Recycling Center from May through October. Good paint is available at no cost.

Evaporate: Small quantities—less than two inches in the bottom of a can—may be disposed of by allowing the liquid to evaporate. Move the container to a sheltered, outdoor area away from children and pets; remove the lid and allow liquid to dry. Once the liquid evaporates, recycle the *open* can or discard in the trash.

Use Up Or Share: Leftover paint can be used as a prime coat or to paint items where matching colors is not a concern. Or ask neighbors, friends, theater groups, recreation departments or service organizations if they can use your paint, stain or wood finishes.

Full or partially full cans: Take to household hazardous products collection.

Recycle Empty Cans: Leave the lid off the can to dry the remaining paint residue, then recycle the open can and lid with metal cans at your town's recycling center. Recycle empty aerosol cans at your town's recycling center.

6/05



Barnstable County

HAZARDOUS MATERIALS PROGRAM

In cooperation with the University of Massachusetts Extension

800-319-2783

508-375-6699

Cape Cod Cooperative Extension
Deeds and Probate Building
Barnstable, MA 02630-0367
508-375-6690
www.capecodextension.org

Disposing of Non-hazardous Paints, Stains and Wood Finishes

How can I identify non-hazardous materials?

Look for these words on the label:

- Clean up with soap and water.
- Latex
- Water-based
- Ethylene Glycol
- Vinyl Emulsion
- Acrylic
- Acrylic Emulsion
- Glycol
- Poly Vinyl Alcohol



How do I dispose of these materials?

Absorb: Large quantities of latex or acrylic paint, stains and wood finishes—more than two inches in the bottom of a can—may be absorbed with clay-based kitty litter. Pour kitty litter into a box or container, then pour the paint into the container and stir. Add kitty litter until you can't stir anymore. Put the *container with the absorbed paint* into your household trash. Recycle open, dry paint cans.

Evaporate: Small quantities—less than two inches in the bottom of a can—may be disposed of by allowing the liquid to evaporate. Move the container to a sheltered, outdoor area away from children and pets; remove the lid and allow liquid to dry. Once the liquid evaporates, recycle the *open* can or discard in the trash. Up to two inches in the bottom of an oil-based paint can may also be disposed of in this manner.

Recycle Empty Cans: Leave the lid off the can to dry the remaining paint residue, then recycle the open can and lid with metal cans at your town's recycling center. Recycle empty aerosol cans at your town's recycling center.

6/05



Barnstable County
HAZARDOUS MATERIALS PROGRAM
In cooperation with the University of Massachusetts Extension
800-319-2783 508-375-6699

Cape Cod Cooperative Extension
Deeds and Probate Building
Barnstable, MA 02630-0367
508-375-6690
www.capecodextension.org

Who wins with PAYT?

Everyone wins from the environmental and cost saving benefits. Residents who recycle to control their trash will have lower costs. PAYT is good public policy.

What is Dual Stream Recycling?

Dual stream is a system in which recyclables are collected in two streams. One stream is fiber (paper, cardboard) and the other is standard recyclables (glass, plastic, cans). Using only two streams of recyclables reduces the need to separate all materials brought to the Transfer Station.



Is there a limit to the amount of material I can recycle?

No. The Town encourages residents to recycle as much as they can. The more you recycle, the fewer bags you need to purchase and the more money you save. Consequently, the more residents recycle the less the Town of Sandwich pays to have their trash incinerated.

What is recyclable in Sandwich?

Sandwich residents may recycle a lot more than many realize. Recycling facilities now accept more types of materials and can sort them more effectively.

What types of material can be recycled?

- Newspaper and magazines with inserts
- Paperback books
- Office paper - staples, spirals, paper clips **do not** have to be removed.
- Colored paper
- Shredded paper in closed clear plastic or paper bags
- Junk mail, with windows
- Phone books
- Cereal boxes, paper towel tubes
- Pasta and cracker boxes
- Cardboard (unless it has food stains)
- Steel and tin cans
- Aluminum cans, pie plates, trays, foil
- Glass, containers
- All plastics marked #1-#7,



For further questions or information, please contact the Town of Sandwich DPW at 508-833-8002, or view the website at Sandwichmass.org – Public Works – Transfer Station – General Information



SAVE MONEY & REDUCE TRASH

NOW IS THE TIME FOR PAY-AS-YOU-THROW (PAYT) IN SANDWICH

Prepared by the Sandwich DPW with assistance from MassDEP



Printed on recycled paper

What is Pay-As-You-Throw?

Pay-As-You-Throw (PAYT) is a system much like electricity, gas or telephone under which the user pays a basic amount that covers fixed costs and then a user fee for the amount used.

How does PAYT work?

You buy blue, Town approved bags at stores where you usually shop. You put your trash in those bags and bring them to the Transfer Station to dispose of as you currently do with your trash.

Why would PAYT be good for Sandwich?

It would be fairer. Right now, every household, regardless of size, pays the same fee. Under PAYT, people who generate less trash would pay less by using fewer bags. It would remind people to recycle more, lowering the amount of trash thrown away and reducing the Town's trash disposal costs.

Why not continue to charge every household the same trash fee?

The present system is not fair. A lot of people, who are serious about recycling, are saying that they don't want to pay for the trash that other people throw away.

Is PAYT easy and convenient?

Yes. Residents will be able to buy bags at local stores where they shop. It's just that the bags will be different. They will be blue with the town logo printed on them.

What about large families?

If large families buy more than smaller families, they will have more to throw away and will have to buy more trash bags. The PAYT program will give them a chance and a new incentive to lower their costs by recycling everything they can. The present flat fee system doesn't offer any choice or incentive to recycle. In PAYT towns, residents have reduced their trash tonnage by 25%-40% by recycling more, composting more, donating more and buying more wisely.

How will PAYT reduce Town Disposal Fees and User Costs?

Without PAYT, the annual cost of trash disposal per household will significantly increase. Currently, the solid waste budget is supplemented by the tax base. If you and most of the households in Sandwich actively recycle all you can, you will use less bags and the total cost of disposal will go down. We cannot control the cost of disposal per ton but, as a town, we can control the total tons that are sent to the incinerator, and that will lower our costs as a community.

How does PAYT help the environment?

As residents recycle more, less trash would go to Semass/Covanta Energy for incineration. Incineration of plastics and other recyclable material, contributes to global warming by adding CO₂ to the atmosphere. By increasing recycling, we would save on raw materials, natural resources and energy consumption and reduce the amount of greenhouse gas.

What will not change with the PAYT?

- Household Hazardous Waste Days
- Christmas Tree recycling
- Yard Waste Drop off
- Compost processing

How much are PAYT bags and where can I buy them?

There are three sizes of bags available, a 30 gallon (barrel size) at a cost of \$1.20, a 15 gallon (kitchen size) at a cost of \$0.60 and 8 gallon (office size) at a cost of \$0.25 (all costs subject to change). Bags are available at the following locations in Sandwich. Additional retailers may be added at a later date.

- Anchor Ace Hardware (Cotuit Rd)
- Aubuchon Hardware (Cotuit Rd)
- Aubuchon Hardware (Merchants Square)
- Meetinghouse Liquors (Cotuit Rd)
- Merchant Square Liquors (Merchant Sq)
- Mobil - Forestdale (Rt 130)
- Rt 6A Convenience Store (E. Sandwich)
- Sandwich Car Wash (Rt 130)
- Sandwich Food Mart & Deli (corner of Rt 130 & Cotuit Rd)
- Sandwich Mart & Spirits (Rt 6A)
- Stop & Shop (Merchant Square)
- Stop & Shop (QMH Rd)
- Tedeschi Food Shops (Rt 6A)



How to Recycle in Sandwich

	MATERIAL	WHAT TO RECYCLE	HOW TO PREPARE	DO NOT INCLUDE
- COMMINGLED COMPACTORS -	METAL 	- Steel/tin and metal food cans - Aluminum pie plates and trays - Deposit and non-deposit beverage cans <i>Deposit cans may also be donated at the Sandwich Little League shed</i> Recycle DO NOT INCLUDE items in the light-iron pile	- Rinse clean - Labels OK	- Aerosol cans - Paint cans - Coat hangers - Cookware
	GLASS 	- Clear and colored beverage containers - Food and sauce jars <i>Deposit bottles may also be donated at the Sandwich Little League shed</i>	- Rinse clean - Collar, neck rings & labels OK - Caps & lids OK	- Broken glass/auto glass - Mirrors - Ceramics: plates, cookware - Drinking glasses - Light bulbs - Windows
	PLASTIC 	- All number 1 thru 7 recyclable rigid plastic containers - Milk, water, soda, juice bottles - Shampoo, conditioner bottles - Laundry, bleach, fabric softener bottles - Waxy gable cartons: Milk and Juice	Rinse clean, caps OK 	- Plastic bags: recycled in waste receptacles located in front of each compactor - Styrofoam packaging of ANY KIND - Chemical and motor oil containers - Water/Garden Hose
- FIBER COMPACTORS -	CARDBOARD 	All cardboard must be recycled and will not be allowed in the trash-trailer except as noted in DO NOT INCLUDE <i>Complete list on back of brochure</i>	Break down, flatten or fold	- Contaminated boxes - Food soiled and frozen food boxes example: pizza and Chinese take out
	PAPER 	- Newspapers - Magazines, catalogs - Junk mail, envelopes: tearable - Books - Paper bags - Phone books - Office and computer paper - Boxboard: cereal, cracker - remove plastic liners <i>Complete list on back of brochure</i>	Place in paper grocery bags	- Food soiled as noted above - Paper towels - Tissues - Diapers - Boxboard plastic liners: recycled in waste receptacles located in front of each recycling compactor.

Paper (Fiber) is recycled in first or second designated compactor from left to right. Commingled metal, glass and plastic is recycled in third or fourth designated compactors from left to right. Only one Fiber and one Commingled compactor is open at a time. Limited recycling and Transfer station stickers may be obtained at the Town Hall Annex, 145 Main Street, across from the Sandwich Library. If unsure where a specific item should be recycled, please ask an attendant.

How to Recycle Fiber (Paper) in Sandwich

WHAT FIBER TO RECYCLE

Booklets
Books: soft cover
Boxes: for office supplies, like paper clips
Boxes: cereal, cracker, pasta, shoe, etc
Boxes: with plastic window
Brochures: including glossy
Calendars: wall type
Cardboard: corrugated and paperboard
Catalogs
Clasp envelopes
Colored paper
Construction and kraft paper
Cover and card stock, index cards
Envelopes: with plastic windows or labels
File folders
Flyers
Glossy paper
Greeting cards
Lottery tickets
Mail
Magazines
Mat board: used in picture framing
Math paper: graph and ledger, etc.
Newspapers: with or without inserts
Newsprint
Office and copy paper
Packing paper
Paper: lined and white
Paper: fax
Paper bags: brown and white
Paper bags: with handles
Paper towel and toilet paper tubes
Phone books
Photocopies
Post-it notes
Receipts
Shredded paper: in paper bags
Spiral notebooks
Writing tablets

DO NOT INCLUDE

Candy wrappers
Carbon paper
Disposable diapers
Envelopes with bubble wrap
Food-soiled paper and cardboard
Label backings
Paper cups or plates
Paper towels, napkins, tissues
Photographs
Take-out food containers: Chinese, etc.
Tyvek® mailing envelopes
Waxed paper and cardboard
Waxy gable cartons: Milk and Orange Juice

Metal spiral notebooks, paper clips, plastic envelope windows, self-stick labels and staples are allowed to be recycled with the items listed above

Items containing personal information should be shredded and recycled in paper bags

REDUCE, REUSE & RECYCLE



TOWN OF SANDWICH DEPARTMENT OF PUBLIC WORKS

In an effort to encourage the 3 R's (Reduce, Reuse and Recycle) and minimize solid waste, below is a list of web sites from organizations providing opportunities for residents to donate and/or find free, usable items. Some charities will pick up items at homes and certain donations may be tax deductible.

