Construction Waste Management Plan for

Cape Cod Hospital - Project 2022

Project Site Location:
Cape Cod Hospital
27 Park St
Hyannis, MA 02601

Prepared On :
August 7, 2019

Introduction:

Suffolk Construction Company has been awarded the construction management for the Cape Cod Hospital Project 2022 located in Hyannis, MA. This project has set a goal to recycle or salvage for reuse a minimum of 75% of the construction waste that will be generated onsite.

Objective:

- This project is targeting the goal to meet or exceed a 75% recycling rate
- The project Diversion Calculations will be attained by weight.

Statement of Qualifications:

Suffolk's intent will be to hire a locally qualified waste management contractor who will manage and own the responsibilities of our project's recycling goals and tracking to ensure we divert as much waste as possible from our landfills. The company selected to manage this process will be determined just prior to mobilization. Qualified companies to be considered are Waste Management, Cavossa, New England Recycling or Robert Childs.

Process:

Hauler will divert l00°/o of non-hazardous mixed construction waste from the project site to a certified transfer station utilizing standard construction dumpsters. The material from this transfer station is then loaded and hauled in 100 yard trailer loads to a processing facility. This process will allow this facility to redirect recyclable recovered resources back to the manufacturing process and reuse the remaining mixed construction waste in accordance with the Beneficial Use Determinations.

At the processing facility, the equipment utilized involves a CBI Annihilator, Screeners, Taper-slots, CBI Grindall 5060 and a BB1 picking line. 100% of all construction and demolition material (C/D) is processed. They reclaim and recycle 80% of that material.

The process starts at the scale; each load is weighed on a state certified scale. The scale attendant directs the load to the tipping area. A tipping floor attendant will then direct the load to a safe area to tip the load. Once the load is off-loaded, there equipment operators will start the process of separating the materials.

The facility has a number of loaders and conveyor belts to transport the materials to their processing area.

Once the materials enter the recovery area, the materials pass over metal magnets, water tanks, and sorting/picking lines. After all the metals, ABC's, Gypsum, Cardboard, Plastics are separated; the remaining materials are process through there grinder. The grinded material are then stockpiled awaiting transport to end markets.

If possible, we will have containers for materials to be separated onsite. These containers can/will complement the mixed construction waste containers in an effort to further increase the recycling rate on the project and reduce the cost of construction and demolition materials disposal. If desired, one or more site separated material containers could be onsite throughout the project, and the material to be site separated will be dependent on the phase of the job. EX: Densglass/Gypsum Only Container can be delivered out during the exterior sheeting or wallboard phase of the project.

Materials that can be source separated on site could include:

- Scraps from Densglass/Gypsum Wallboard
- Metals
- Clean Dimensional Lumber
- Asphalt, Brick and Concrete
- Cardboard

Further Information regarding the disposal or recycling of materials

- Contaminated and/or wet gypsum and bulky waste is disposed of at licensed land fills in Massachusetts.
- Tonnage derived from materials such as hazardous waste, soil and or/or land clearing will be tracked separately.

Waste Reduction Progress Reports & Planned Monthly Visits:

In accordance of plan specifications, the waste management company will track the recycling efforts of the project and deliver analysis at each monthly site meeting. Each time a container is delivered, emptied, or is removed from the site a ticket is generated with the time, date, disposal site, and weight of the load. These finalized tickets will be submitted to Suffolk for review and approval.

Many companies today have online tracking system for the recycling efforts on the site. The online calculator will link every load's data and is able to give the current recycling percentage throughout the project, giving Suffolk and the project team 24 hour access to see the progress throughout the project. At our monthly meetings, Suffolk will be working with the waste management company to determine the need for different source separated containers based on the upcoming construction phase and construction waste stream. For example, prior to the drywall phase, Suffolk will make it known that a sufficient amount of excess gypsum wallboard will facilitate the need for a separate container for that material.

Suffolk Contact Information:

Overall responsibility and project oversight:

Joel Perry
Telephone: 617-963-9992
Email: jperry@suffolkconstruction.com

Exhibit A

Example of reporting

(Provided by Waste Management Co, final Waste Company to be determined)



Construction Waste Management
Monthly Project Recycling Report

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Construction Waste Management
Monthly Project Recycling Report

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Project:	Easthampton High School	Target Diversion:	90.0%
Est. End Date:	12/31/2013	Actual Diversion	95.4%

Tic ket Month	Tic ket Date	Tic ket	Destinatio n Fac ility	Hauler	Material	UOM	Total Qty	Diverted Qty	Act °/	Residual Qty
FEBRUARY 2012	Total:						12.00	9.93	82.8%	2.07
MARCH 2012	3/28/201 2	398925	WM - Western Processing Facility	WM Default Hauling Company	Co-Mingled	Tons	3.38	2.83	83.7%	0.55
MARCH 2012	3/19/2012	393636	WM - Western Processing Facility	WM Default Hauling Company	Co-Mingled	Tons	3.68	3.08	83.7%	0.6
MARCH 2012	3/30/2012	400218	WM - Western Processing Facility	WM Default Hauling Company	Co-Mingled	Tons	1.6	1.34	83.8%	0.26
MARCH 2012	Total:						8.66	7.25	83.7%	1.41
APRIL 201 2	4/9/2012	405175	WM - Western Processing Facility	WM Default Hauling Company	Co-Mingled	Tons	2.61	2.16	82.8%	0.45
APRIL 2012	4/4/2012	402361	Associated Building Beckers	WM Default Hauling Company	Concrete	Tons	13.5	13.5	100.0%	0
APRIL 2012	4/9/2012	404772	WM - Western Processing Facility	WM Default Hauling Company	Co-Mingled	Tons	3.5	2.89	62.6%	0.61
APRIL 2012	4/ 24/201 2	412734	Associated Building Wreckers	WM Default Hauling Company	Concrete	Tons	14.99	14.99	100.0%	0
APRIL 2012	4/19/201 2	410471	WM - Western Processing Facility	WM Default Hauling Company	Co-Mingled	Tons	2.4	1.96	62.5%	0.42
APRIL 2012	4/19/201 2	410474	Associated Building Wreckers	WM Default Hauling Company	Concrete	Tons	15.12	15.12	100.0%	0
APRIL 2012	4/19/2012	410472	WM - Western Processing Facility	WM Default Hauling Company	Co-Mingled	Tons	1.65	1.36	82.4%	0.29
APRIL 2012	4/9/2012	404771	WM - Western Processing Facility	WM Default Ha uting Company	Co-Mingled	Tons	0.68	0.73	63.0%	0.15
APRIL 2012	Total:						54.65	52.73	96.5%	1.92
MAY 2012	5/23/201 2	429583	WM - Western Processing Facility	WM Default Hauling Company	Co-Mingled	Tons	7.61	6.29	82.7%	1.32
MAY 2012	5/23/201 2	429564	WM - Western Processing Facility	WM Default Hauling Company	Co-Mingled	Tons	2.66	2.38	62.6%	0.5
MAY 201 2	5/2/2012	417787	Associated Building Wreckers	WM Default Hauling Company	Concrete	Tons	14.95	14.95	100.0%	0
MAY 2012	5/15/2012	425216	Associated Building Beckers	WM Default Hauling Company	Concrete	Tons	14.9	14.9	100.0%	0
MAY 2012	5/2/2012	417786	WM - Western Processing Facility	WM Default Hauling Company	Co-Mingled	Tons	2.74	2.27	62.6%	0.47
MAY 2012	5/23/2012	430186	Associated Building Wreckers	WM Default Hauling Company	Concrete	Tons	11.66	11.66	100.0%	0
MAY 201 2	Total:						54.74	52.45	95.8%	2.29
JUNE 201 2	6/13/201 2	440476	WM - Western Processing Facility	WM Default Hauling Company	Wood	Tons	2.13	2.13	100.0%	0
JUNE 2012	6/12/201 2	440474	Associated Building Wreckers	WM Default Hauling Company	Concrete	Tons	10.74	10.74	100.0%	0
JUNE 201 2	6/5/2012	436608	Associated Building Wreckers	WM Default Hauling Company	Concrete	Tons	15.66	15.66	100.0%	0
JUNE 2012	6/21/201 2	446079	WM - Western Processing Facility	WM Default Hauling Company	Co-Mingled	Tons	4.14	3.44	83.1%	0.7
JUNE 2012	6/21/201 2	446060	WM - Western Processing Facility	WM Default Hauling Company	Co-Mingled	Tons	1.84	1.53	83.2%	0.31
JUNE 2012	6/13/201 2	440478	Joseph Freedman Company	WM Default Hauling Company	Metal	Tons	4.99	4.99	100.0%	0
JUNE 2012	6/12/2012	440473	Associated Building Wreckers	WM Default Hauling Company	Concrete	Tons	10.14	10.14	100.0%	0
JUNE 201 2	6/25/201 2	447525	Associated Building Wreckers	WM Default Hauling Company	Concrete	Tons	16.44	16.44	100.0%	0
JUNE 2012	6/4/201 2	436251	WM - Western Processing Facility	WM Default Hauling Company	Co-Mingled	Tons	2.76	2.29	83.0%	0.47
JUNE 2012	6/4/2012	436250	WM - Western Processing Facility	WM Default Hauling Company	Co-Mingled	Tons	5.2	4.32	83.1%	0.88
JUNE 2012	6/4/2012	436252	Associated Building Beckers	WM Default Hauling Company	Concrete	Tons	8.56	8.56	100.0%	0
JUNE 2012	6/25/201 2	447524	Associated Building Wreckers	WM Default Hauling Company	Concrete	Tons	15.52	15.52	100.0%	0
JUNE 201 2	6/12/2012	440475	WM - Western Processing Facility	WM Default Hauling Company	Co-Mingled	Tons	2.51	2.09	83.3%	0.42
JUNE 2012	Total:						100.63	97.85	97.2%	2.78
JULY 201 2	7/6/201 2	454283	Associated Building Wreckers	WM Default Hauling Company	Concrete	Tons	14.91	14.91	100.0%	0
JULY 201 2	7/6/2012	454284	Associated Building Wreckers	WM Default Hauling Company	Concrete	Tons	17.11	17.11	100.0%	0
JULY 2012	Total:						32.02	32.02	100.0%	0

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Construction Waste Management
Monthly Project Recycling Report

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Project	Easthampton High School	Target Diversion:	90.0%
Est. End Date:	12/31/2013	Actual Diversion:	95.4%

Ticket Month	Ticket Date	Ticket	Destination Facility	Hauler
Total:				

Material	UOM	Total Qty	Diverted Qty	Act %	Residual Qty
		275.47	262.80	95.4%	12.67

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