

MARTHA'S VINEYARD REFUSE DISPOSAL AND  
REOURCE RECOVERY DISTRICT  
750 WEST TISBURY RD. EDGARTOWN, MA. 02539

To: Town of Chilmark, Ma.  
From: Don Hatch  
Re: Article for next Town Meeting  
Date: July 24, 2014

At the July 24, 2014 meeting of the District Committee the Committee voted to ask all District town to place the following Article on their 2015 Annual Town Meeting Warrant:

**Article: To see of the Town will approve up to \$2,500,000.00 borrowing authorized by vote of the Martha's Vineyard Refuse Disposal and Resource Recovery District Committee to finance the cost of capital improvements to restructure of Traffic flow and Residential Drop-Off at the Edgartown Transfer Station, or to take any action relative thereto.**

Should you have any questions concerning this article please do not hesitate to contact me.



Don Hatch  
District Manager

**Martha's Vineyard Refuse Disposal & Resource Recovery District (MVRDRRD)**  
**Central Facility Transfer Station**  
**Cost Estimate for Conceptual Layout of Drop-Off Facilities**

Version: Sept 16, 2014

References/Notes

- A. MassDOT Weighted Average Book (September 2012 through September 2013)
- B. Engineering News-Record (ENR) Website: September 2013 Index Value for Construction Cost = 9551.58
- C. Quotes from Vineyard-based Contractors, wherever possible.
- D. The cost estimate was forecasted to July 2014 by using the ENR inflation rate between September 2013 to July 2014 (3% increase), then extended to July 2015 (3% increase) and July 2016 (3% increase).
- E. All estimates are based on Massachusetts Prevailing Wages.
- F. The total estimated cost to fully furnish and install a new 70'x10' scale is \$144,000 (this includes 25% contingency). The new scale will remain an option/alternative, and may be selected based on any updated cost estimates through the remainder of the design process; and/or any reduced contingency; and/or any construction period assistance from the district; and/or actual bid prices; and/or available funding.

Item No.	Item Description	Quantity	Units	Unit Cost	Subtotal	Reference	Notes
1	Mobilization, Bonds, Insurance	1	LS	\$15,000	\$15,000	EPG Judgement	Assumes Vineyard-based Contractor
2	Clearing and Grubbing	6.0	Acre	\$13,000	\$78,000	MassDOT Item 101; Requested quote from Clements Tree Service, Vineyard Haven	
3	12" Diameter Filter Sock for Erosion Control	2,000	LF	\$5	\$10,000	Previous Bid Tabs	Allowance
4	Earthwork	14,610	CY	\$7	\$102,270	EPG Judgement	Including Cutting, Filling, and Rehandling. Includes 11,320 cy cut, and 3,290 cy fill. Including grading basins. Not including any swales. Does not include hauling/removing material from site.
5	Fine Grading for Swales	1,667	SY	\$5	\$8,333	MassDOT Item 101	Total length of swales = 1,000 lf. Assume 15' wide swale.
6	Drainage, Deep Sump Catch Basin	6	EA	\$4,000	\$24,000	EPG Judgement	Allowance. Completely installed, including excavation, backfilling, frames, grates, etc.
7	Drainage, Manhole	3	EA	\$4,500	\$13,500	EPG Judgement	Allowance. Completely installed, including excavation, backfilling, frames, grates, etc.
8	Drainage, 12" Corrugated Plastic Piping	500	LF	\$40	\$20,000	EPG Judgement	Allowance. Completely installed, including excavation, backfilling, compacting, flared end sections, etc.
9	Guardrail (Steel with beam, double faced)	300	LF	\$30	\$9,000	MassDOT Item 621.1	Use instead of jersey barriers
10	New Attendant's Shed	1	LS	\$10,000	\$10,000	EPG Judgement; Previous Projects	Assume 14'x14'x10' high shed.
11	Concrete Pad for Container Area & Miscellaneous Recyclables Area	14,400	SF	\$6	\$86,400	Quote requested from P&P, West Tisbury	Total Area = 14,400 sf. Assume 6" thick. Including proof rolling, subbase, and 6" thick slab-on-grade.
12	Retaining Walls for Roll Off Areas	112	CY	\$800	\$89,600	Quote requested from P&P, West Tisbury	760 lf total, avg. height = 4'; Cast in place concrete wall; assume \$1,000/cy, in-place, including concrete slab, assume 1' width for wall, and avg. height = 4'.
13	Fencing on Retaining Walls	760	LF	\$15	\$11,400	EPG Judgement	760 lf total. Assume avg. height of 3.5' for fencing. Assume fencing for pedestrians may be carpentry fencing.
14	Sub-base (Recycled Asphalt Pavement)	6,300	CY	\$20.00	\$126,000	Goodale quote for RAP	Sub-base for Pavement Areas. Area to be paved = 158,300 sf = 3.63 Acres. Assume 9"-12" thick layer, and + 20% in-place
	Materials	158,300	SF	\$1.75	\$277,025	Quote from MVRRD	Approx. 5,300 cy to 7,000 cy required
15	Paving: Binder and Wearing Course - 4" thick	3,826	Tons	\$185	\$707,733	Unit price from MVRRD	Area to be paved = 158,300 sf.
16	4 Inch Reflectorized Yellow Line (Thermoplastic)	3,200	LF	\$2	\$6,400	MassDOT Item 867.04	Allowance. Pavement striping. Assume total length = 3,200 sf. Assume single lines for striping, not double.
17	Pavement Arrows Reflectorized White (Thermoplastic)	2,600	SF	\$5	\$13,000	MassDOT Item 864.04	Allowance. Pavement Arrows. Assume total area = 130 sf per arrow. 20 arrows; 2,600 sf total.

Subtotal, Estimated Construction **\$1,607,661**  
 Contingency (20%) **\$321,532**  
 Engineering, Permitting, Bidding, Construction Adm. (15%) **\$241,149**  
**Total Estimated Cost, September 2013**

**S CALE**  
~~\$2,250,700~~  
**2,314,342**

**Paving related costs** (September 2013)  
 Sub-base \$403,025  
 Asphalt \$707,733  
 Subtotal \$1,110,758  
 Contingency (25%) \$277,689.48  
 Total \$1,110,758

<b>TOTAL ESTIMATED COST WITH INFLATION</b> (see Note D - Assumed ENR inflation rate of 3%/year)	
July 2014 (3% Increase on September 2013 Total Estimated Cost)	\$2,318,248
July 2015 (3% Increase on July 2014 Total Estimated Cost)	\$2,387,795
July 2016 (3% Increase on July 2015 Total Estimated Cost)	\$2,459,429

**2,383,772**  
**2,455,285**  
**2,528,944**