

Article 14. Concord-Carlisle Regional School District Landfill Remediation

ARTICLE 14. To determine whether the Town will vote to approve \$1,100,000, or any other sum, of debt authorized by the Concord-Carlisle Regional School Committee for landfill remediation; provided, however, that this approval shall be contingent upon passage of a Proposition 2 1/2, debt exclusion referendum under General Laws Chapter 59, §21C(k); to exempt the Town's allocable share of the amounts required for the payment of interest and principal on said borrowing; or take any other action relative thereto.

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This article provides Concord's share of the cost for remediation of the former private landfill located on Concord Carlisle Regional School District land, the cost to be assessed annually over a period of years consistent with the term of bonds to be issued by the district with debt service expected to commence in Fiscal Year 2017.

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DESCRIPTION OF WORK

The project includes the activities to be performed on a portion of the Concord-Carlisle High School property in the Town of Concord. The work is designed to satisfy the requirements for environmental closure by capping subsurface soil contamination in compliance with the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000.

DESCRIPTION OF REMEDIATION METHOD CHOSEN

(\$1.1M)

Permanent Engineered Barrier & Activity and Use Limitation:

Article 14 Costs based on actual construction bids of \$887,800, negotiated project management fees of \$45,000 and contingency and soft cost allowances up to \$167,200.

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DESCRIPTION OF REMEDIATION ACTIONS

The construction of a cap over an approximate 3.5-acre area consisting of the installation of the following:

- **Geosynthetic Clay Liner with Flexible Membrane Liner Filter Fabric**
- **Gravel/Peastone Subbase**
- **Plastic Defining Marker or High Visibility Mirafil Filter Fabric**
- **Common Burrow Fill**
- **Topsoil and seed**
- **Construction of a retaining wall around existing skate park**
- **Construction of a paved pathway and ramped access to skate park**
- **Construction of a drainage trench**

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The permanent engineered barrier was chosen to limit risk of cost growth in remediating the site.

Other Options Included:

1. Soil excavation and off-site disposal of 110,000 cubic yards of soil with an estimated 10% containing hazardous waste this option was estimated at approximately (\$15M)

2. Excavation, Ex-situ soil treatment & solidification/stabilization processes (\$9M)

3. In-situ soil treatment and solid/stabilization (\$5M)

The engineered barrier approach chosen limits the use to passive recreation at a cost of \$1.1M

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