ARTICLE 14. Ms. Snook moves: that the Town approve $1,100,000 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.
Article 14. Concord-Carlisle Regional School District Landfill Remediation

This article provides Concord's share of the cost for remediation of the former private landfill located on Concord Carlisle Regional School District land (known at DEP as “Concord Carlisle High School Eastern Parking Lot”), 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.
Article 14. Concord-Carlisle Regional School District Landfill Remediation
Article 14. Concord-Carlisle Regional School District Landfill Remediation

History

• May 2011 - Phase I (21E Environmental Assessment) completed.

• Oct 2011 to July 2012 - Subsurface investigations complete.

• End of 2012 - Completed characterization of boundaries.

• June 2013 – School Committee votes on remediation method.

• November 2013 – Submitted Phase II / Phase III plans to DEP.

• Spring 2015 – Detailed risk assessment to define area where soil cap is required to achieve remedial goals.
Article 14. Concord-Carlisle Regional School District Landfill Remediation

• **Remediation Method Selected:**
  • Installation of a permanent engineered barrier. $1.1 M
  • Reduces the risk of cost growth in remediating the site.
  • Limits the future use of the site to passive recreation (AUL).

• **Other Options Considered:**
  • Soil excavation and off-site disposal of 110,000 cubic yards of soil with an estimated 10% containing hazardous waste. $15 M
  • Excavation, Ex-situ soil treatment & solidification/stabilization processes $9 M
  • In-situ soil treatment and solid/stabilization $5 M
Article 14. Concord-Carlisle Regional School District Landfill Remediation

• The installation of a Permanent Engineered Barrier, along with an Activity Use Limitation, is designed to satisfy the requirements for environmental closure of this site by capping subsurface soil contamination in compliance with the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000.

• Article 14 Cost of $1.1 M is 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.
Article 14. Concord-Carlisle Regional School District Landfill Remediation
Article 14. Concord-Carlisle Regional School District Landfill Remediation

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 Mirafi Filter Fabric
- Common Burrow Fill
- Topsoil and seed

Other Actions:

- 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
ARTICLE 14. Ms. Snook moves: that the Town approve $1,100,000 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.
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CCHS Campus Overlay of Features