

Ventilation System Remediation Update

New Bedford High School
New Bedford, Massachusetts

Presented by:

TRC Environmental Corporation
Lowell, Massachusetts

TRC

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November 8, 2006



Tonight's Presentation:

- Proposed Remedy Overview
- Path Forward
- TRC's Scope of Work
- Current Status
- Estimated Schedule
- Additional Specification Details

Proposed Remedy Overview

- Ducts – Clean all supply, return, and exhaust ducts in the school.
- HVAC – Clean 20 (est.) central HVAC components, fans coils and intakes.
- Univents & Corridor Heaters – Clean units/replace filters – 250 (est.)



Proposed Remedy Overview – cont.

- Return Exhaust Vents – Clean an estimated 120 return air exhaust vents and fans.
- Surface Cleaning – Clean exposed horizontal surfaces with visible dust accumulation that are not routinely cleaned.
- Sub-Locker Space – Separate item to clean enclosed spaces below lockers.



Path Forward

- Initial Step Toward PCB Remedy for Interior
 - ❖ Remove deposited material → Reduce PCB burden
 - ❖ Improve the indoor air quality of the school
 - ❖ Reduce airborne PCB concentration
 - ❖ Reduce impact on school operations (weekends, holidays, off hours)

Path Forward - continued

- Phased remediation of other interior PCB sources
 - ❖ Separate scope
 - ❖ Conduct when school is out for an extended period of time
 - ❖ Controls needed to ensure safe removal.



TRC's Scope of Work

TRC's Contract Includes:

- Preparation of Bid Specifications/RFP Assistance
- Oversee Implementation by Qualified Contractor
- Other Diagnostic Interior Sampling
- Post-Remediation Air Monitoring

Current Status

- Tour of facility – October 2006
- Draft Specs Prepared by TRC – October 2006
- Draft Specs Currently Under Review by City
- Finalization Expected November 2006

Estimated Schedule

- Advertise Bid - November 2006
- Bid Walk - November 2006
- Award Lump Sum Contract - December 2006
- Initiate Cleaning - First Quarter 2007

Additional Specification Details

- Performance-Based Bid Specification
 - ❖ National Air Duct Cleaners Association (NADCA) model.
 - ❖ Actual methods to be established by qualified contractor.
 - ❖ EPA contractor plan review and approval.
- Cleanliness Verification
 - ❖ Visual inspection and testing.
 - ❖ Air monitoring at completion/results comparison.

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Thank you for coming. Any
questions are welcome.



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Keith Middle School

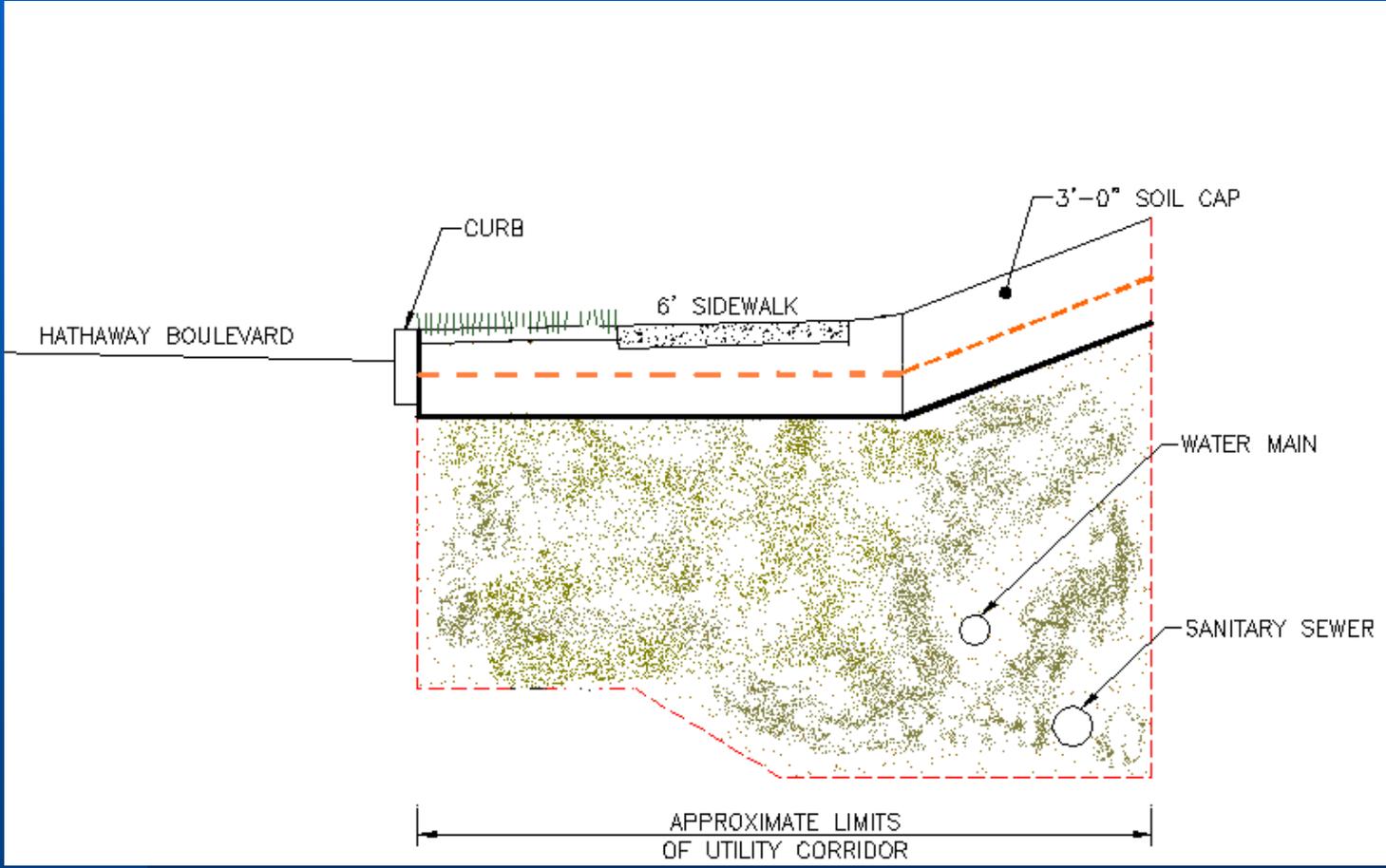
Public Involvement Plan Meeting #16

New Bedford High School Auditorium
November 8, 2006

Environmental Update

- **Hathaway Boulevard Utility Corridor**
- **North Area Supplemental Soil Cap**
- **Embankment Stabilization**
- **Wetlands Remediation**
- **KMS Monitoring Results**

Hathaway Boulevard Utility Corridor



Hathaway Boulevard Utility Corridor



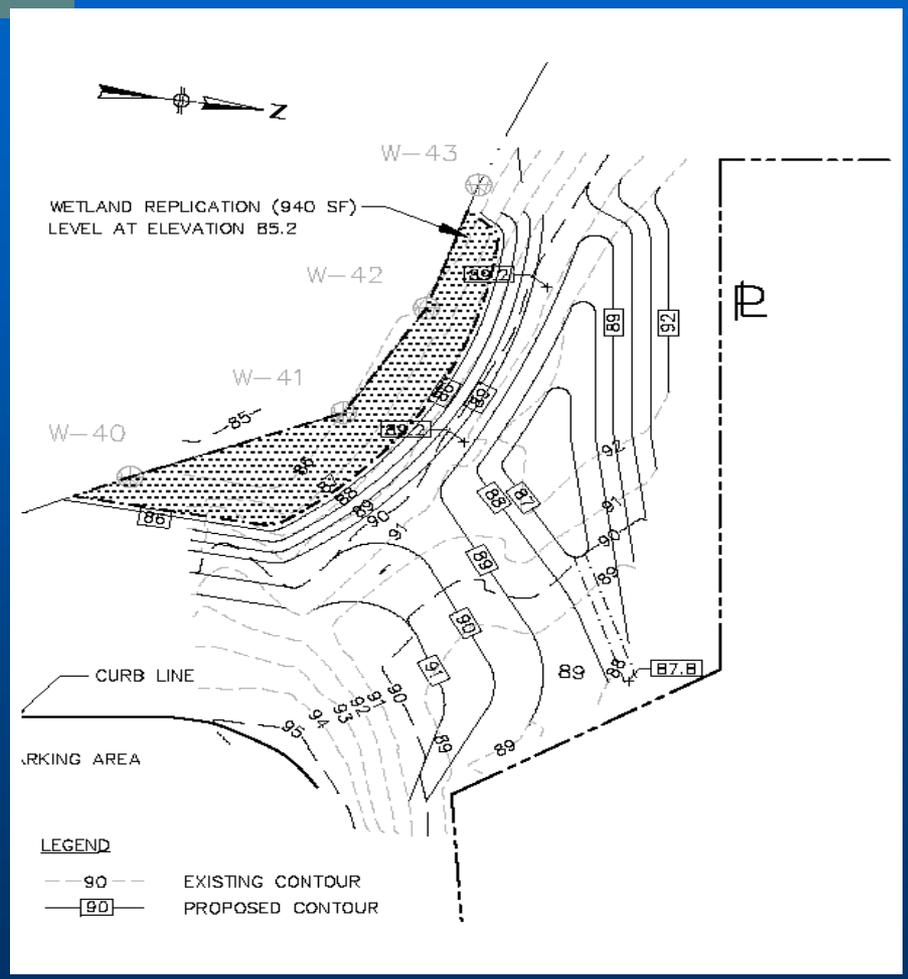
North Area Supplemental Soil Cap

- Off-Site Soil Management
- Cap Extended to Property Line



North Area Cap & Drainage Swale

- Wetland Replication Area
- Storm Water Detention Basin
- Positive Drainage



North Area Wetlands Replication

- Additional Wetlands Created (940 sf)
- High Organic Soils @ 9-inch Depth
- Overflow at Detention Basin



Phase I - Embankment Stabilization

- Steep Slope (1:1.65)
- Dumped Rip-Rap at Outfalls
- Jute Mesh Fabric & Hydro-seeding



Wetlands Remediation

- **948 Tons of Remediation Wastes shipping through 10/13/06**
- **>300 Confirmatory Samples (< 1ppm)**



Keith Middle School Indoor Air Sampling

Three Monthly Sampling Rounds:

Aug, Sept, October

PCBs:

- <1% Risk Based Standard
- **Higher Levels at Auditorium, but...**
- All well below Background Levels

VOCs:

- Attributable to construction materials
- **Steady decrease over time**

KMS Air Foundation Vent Sampling

- **Three Monthly Sampling Rounds**
- **PCBs all non-detect, except one reading at 6% of risk based standard**
- **VOCs - construction related**



KMS Groundwater Monitoring Results

- No PCBs detected above Detection Limits
- **No RCRA Metals detected above GW-3 Stds**
- No VOCs detected above Detection Limits

Keith Middle School

Questions & Answers