

Agenda

- Introductions
- Phase I Remediation Status
- Phase II Remedial Plan Overview
- Remedial implementation schedule considerations
- Questions and answers and opportunity for public comment

Town and Agency Representatives

- Toni Jones, Superintendent, Greenwich Public Schools
- Amy Siebert, Town of Greenwich Department of Public Works
- Patrick Haskell, Licensed Environmental Professional, AECOM
- Kimberly Tisa, PCB Coordinator, USEPA Region 1
- Jeffrey Wilcox, Remediation Project Manager, CT DEEP
- Peter Hill, Remediation Division Supervisor, SW Region, CT DEEP
- Ray Frigon, Assistant Director, Remediation Division, CT DEEP
- Gary Trombly, Storage Tank and PCB Enforcement, CT DEEP
- Amber Trahan, PCB Program, CT DEEP
- Jane Warren, Outside Legal Counsel for Town of Greenwich, McCarter & English

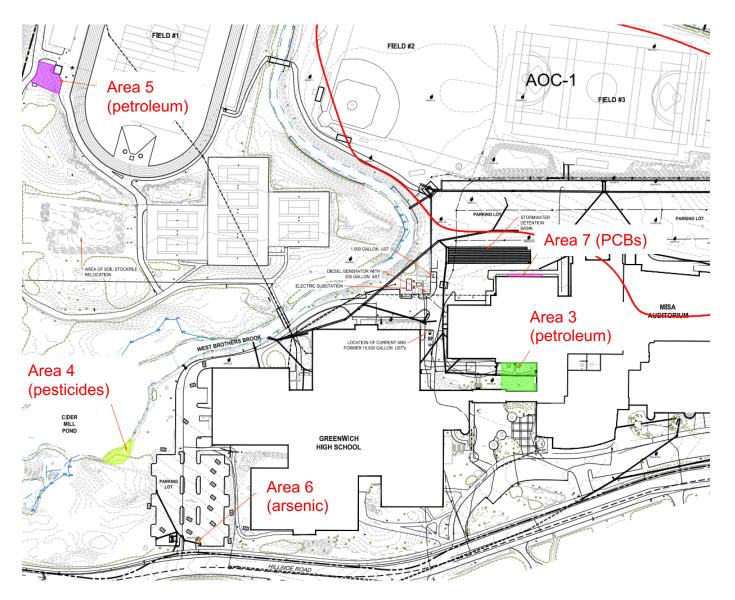
Phase I Remediation Status

Phase I Remediation Status

- Area 1 Engineered Control construction completed at Fields 6 & 7
- Area 2 excavation partially complete north of Field 7
 - Additional subsurface soil contamination found further up the hill to the north
 - Will complete excavation of this additional area concurrent to Phase II remediation



Phase I Remediation Status



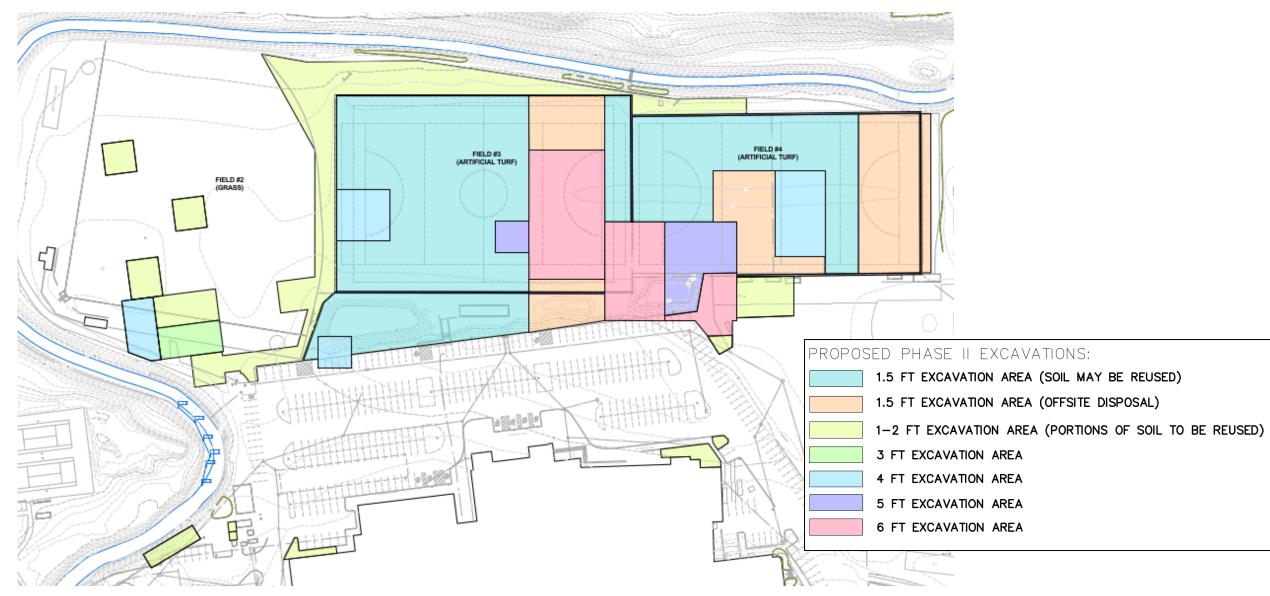
- Area 3, 5, 6 & 7 excavations completed
- Area 4 excavation
 completed to remove
 highest concentrations of pesticides

Phase II Remedial Planning

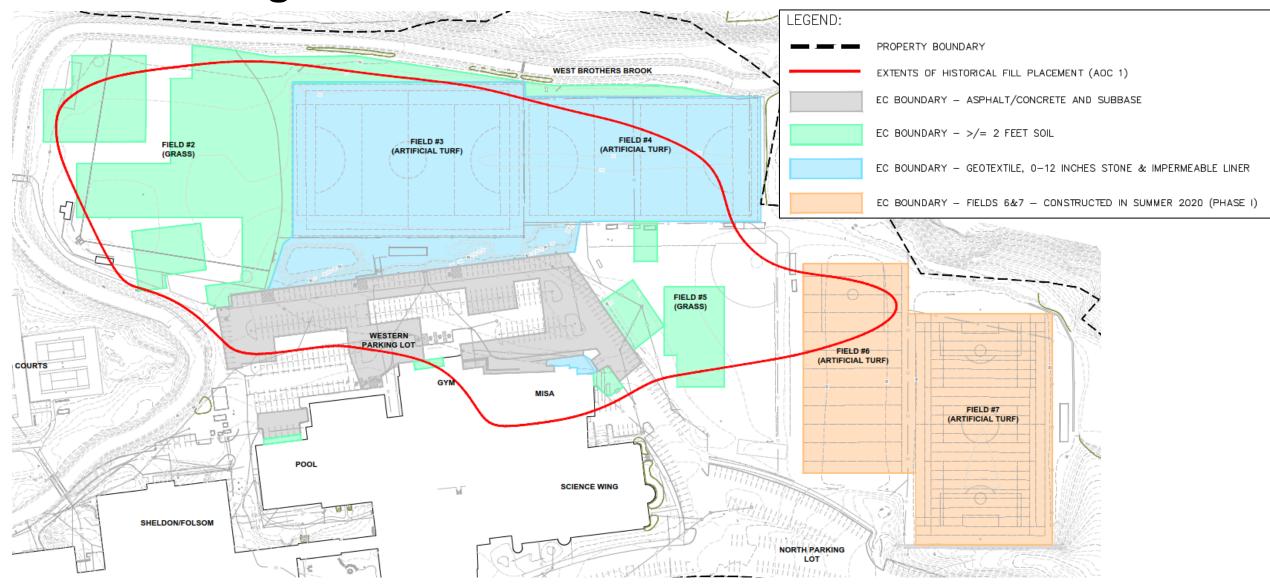
Phase II Remediation Plan

- Submitted to the Agencies January 8, 2021
- Primarily addresses area of historic fill material west of school building
 - Fill contains PCBs, petroleum and other contaminants
 - Soil remediation required to prevent direct contact and reduce potential for soil to contaminate groundwater by preventing stormwater infiltration
- Risk-based remediation, which incorporates:
 - Excavation to most stringent cleanup criteria in top 1.5 to 2 feet below ground surface
 - Excavation of soil with highest PCB concentrations in top 6 feet beneath fields
 - Engineered Control (EC) to prevent contact with deeper contaminated soil
 - o Impermeable liner below Fields 3 & 4 to prevent rainwater infiltration to polluted soil
 - Asphalt and clean subgrade in parking lot
 - Two feet of clean soil at Fields 2 & 5
 - Environmental Land Use Restriction to ensure EC is not disturbed in the future

Phase II Remedial Excavation Plan



Phase II Engineered Control Areas

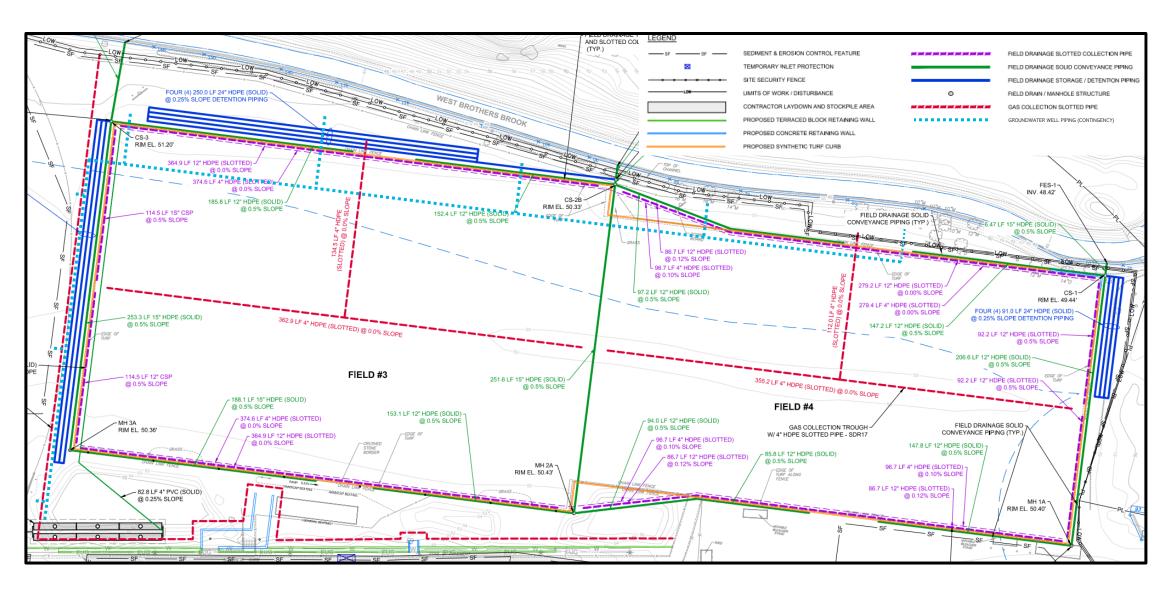


Evaluation of Remedial Alternatives

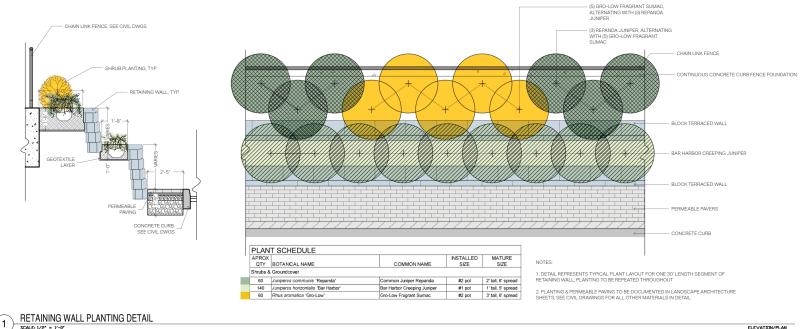
Description	Alternative 1	Alternative 2	Selected Alternative 3
Total Excavation (cy)	85,000	39,000	30,000
Earthwork days	591	284	167
Estimated Schedule	15+ years	5 - 7 years	3 – 4 years
Total Estimated Cost	\$108 MM	\$48 MM	\$25 MM

- Compared multiple remediation alternatives that protect human health and the environment
 - Alternative 1 (not selected) Clean-up to default criteria
 - Alternative 2 (not selected) Clean-up to default criteria in top 1.5 to 2 feet; remove PCBs ≥500 ppm elsewhere; impermeable cap below fields
 - Selected Alternative 3 Clean-up to default criteria in top 1.5 to 2 feet, Remove PCBs ≥500 ppm in underlying soil to 6 feet bgs, impermeable cap below fields

Fields 3 & 4 - Groundwater & Stormwater Recovery Piping



Engineered Control Details – Field 3 Retaining Wall





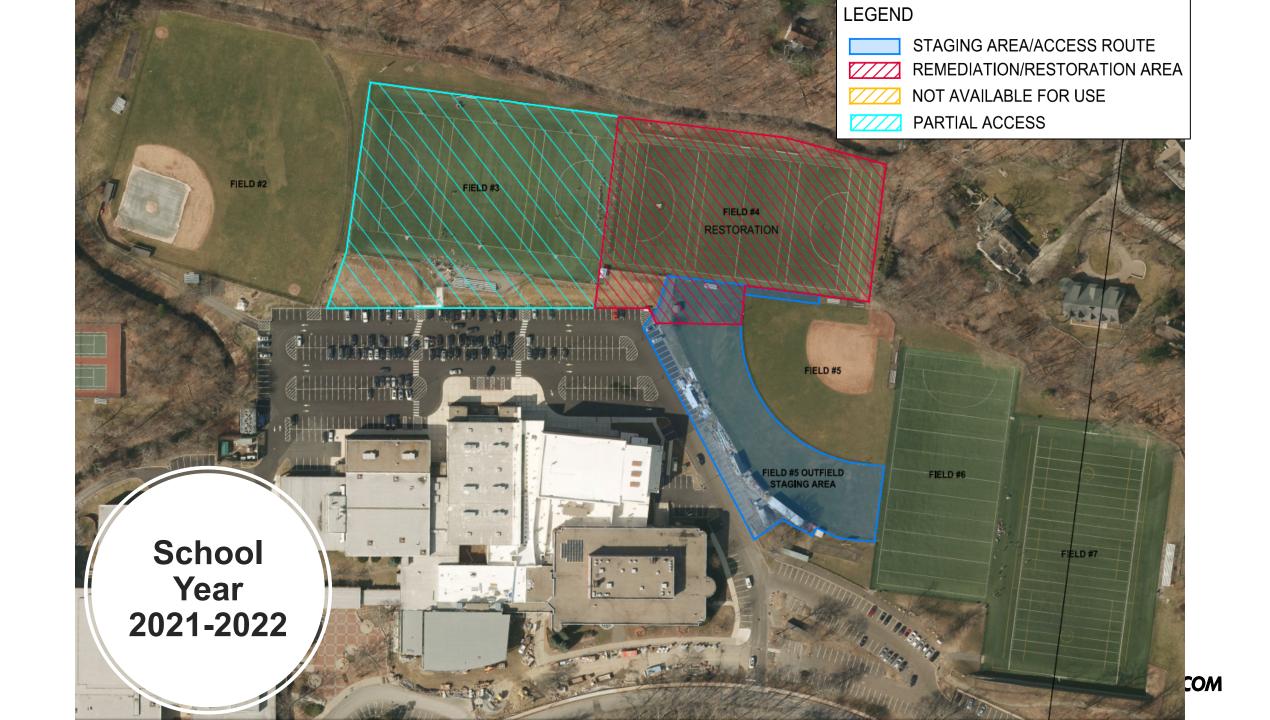
Phase II Remediation Sequencing and Schedule

Conceptual Remediation Schedule

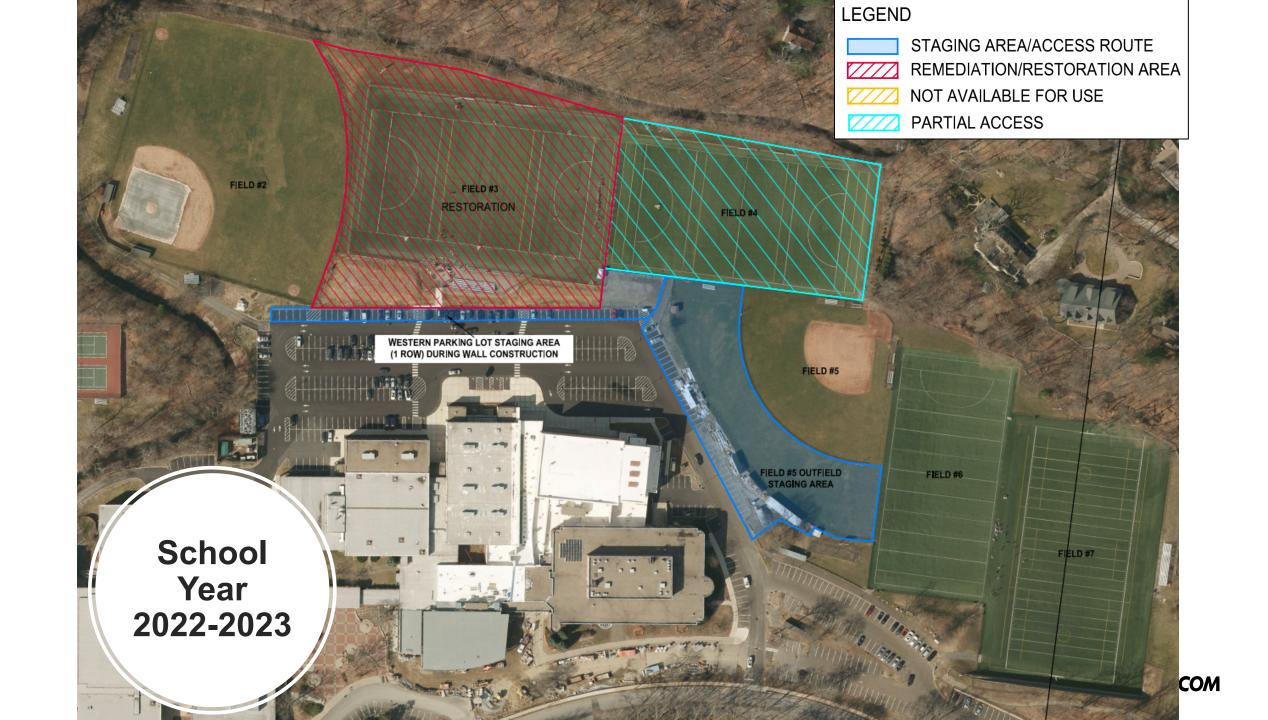


- Developed in coordination with GPS, Parks & Rec and DPW
- Excavation work performed during summer recess
- Restoration of fields performed during the school year, primarily in Fall
- Intended to minimize loss of field use while maintaining health and safety











Questions & Answers and Opportunity for Public Comment

Questions & Public Comments

- Tonight:
 - To make a public comment or question verbally:
 - Choose the "Raise a Hand" feature
 - You will be called on and unmuted
 - o Once your comments or questions are completed, you will be placed on mute
 - To submit a public comment or question in writing:
 - o Enter comments / questions into Zoom "Q&A" feature
 - o Please provide your name and email with your question or comment.
 - All your questions and comments are maintained as part of this meeting's record
- Written comments can also be submitted to:

Jeffrey Wilcox CT DEEP 79 Elm Street Hartford, CT 06106 Jeff.wilcox@ct.gov

- Public comment period runs through February 27, 2021
- All materials and this meeting are posted on the BOE's website at https://www.greenwichschools.org/departments/facilities-rentals/building-grounds-projects/ghs-fields-remediation-project

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