

# 284 Winter Street – Former MGP Haverhill

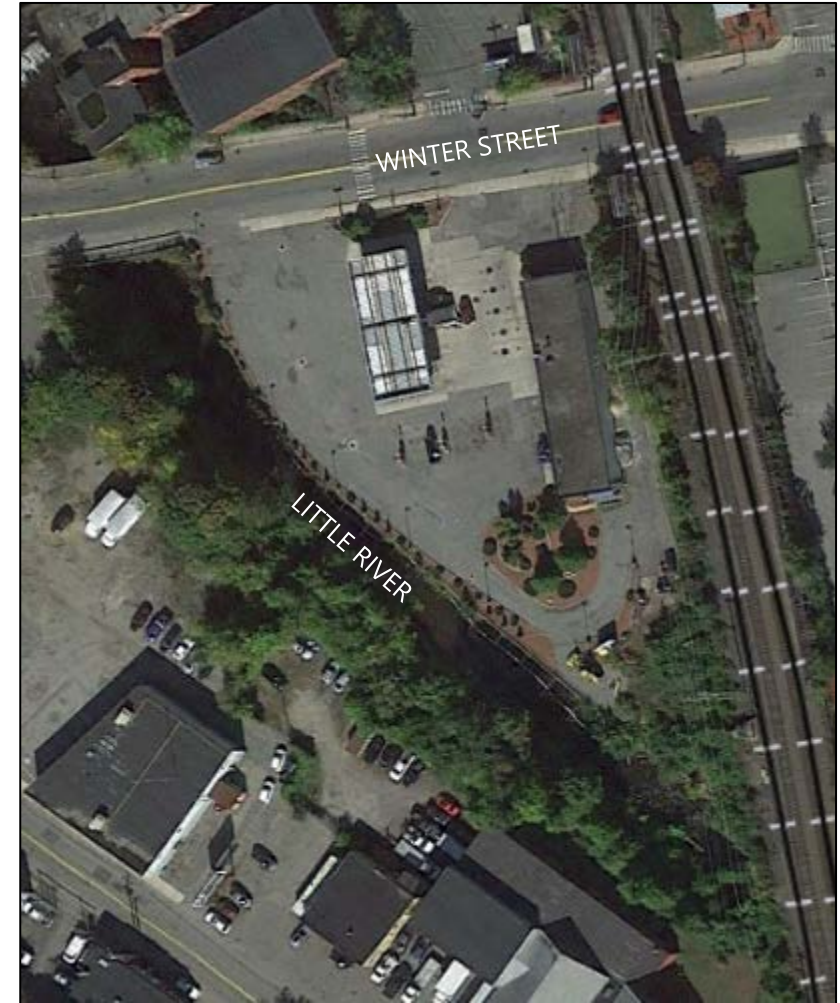
Presented by  
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October 3, 2024



# Project Background

- Former manufactured gas plant (MGP) operated from 1853 – 1970
- Generated coal gas and oil gas
- Structures demolished between 1970 and 1976
- Currently a Haffner's gas station
- Site assigned a Release Tracking Number under MassDEP's MCP in 2015
  - Multiple upland and in river investigations conducted since that time
  - Semi-permanent boom system installed in Little River in 2016

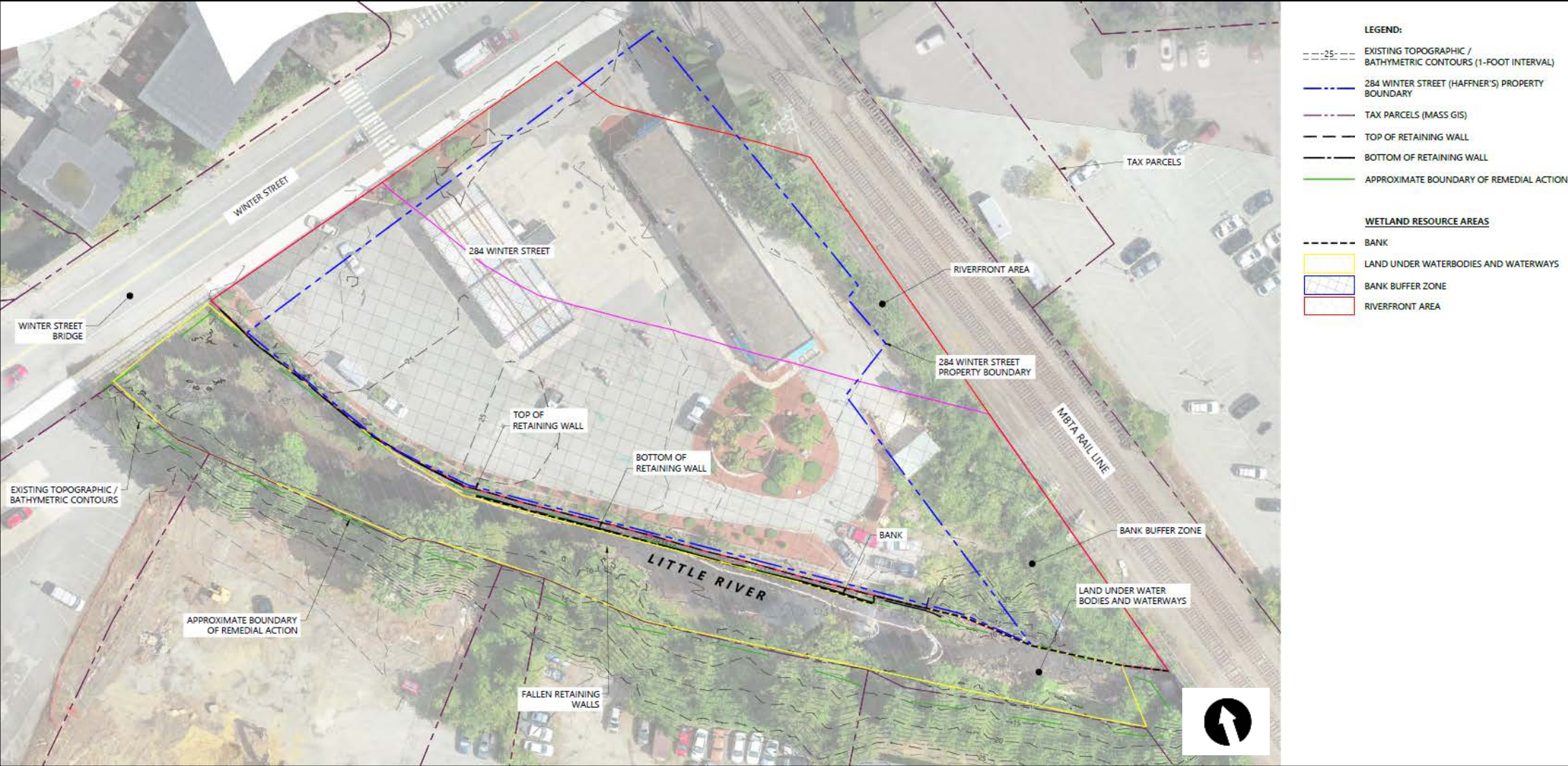


# Project Overview

- Upland
  - Underground air sparge and soil vapor extraction (AS/SVE) wells and piping within previously disturbed/developed paved area
    - Extracted vapors will be piped to an aboveground enclosure for treatment
    - System will treat benzene and other volatile MGP compounds in soil and groundwater
  - Electric line relocation
  - Limited soil excavation
- Little River
  - Installation of a temporary cap within the footprint of the previously authorized boom system
    - Cap composed of a reactive core mat and armor mattresses; approx. 6-inches thick
    - Footprint of cap extends approximately 275-feet long and 5 to 10-feet wide
    - Additional management of sheens and possible air emissions from AS/SVE

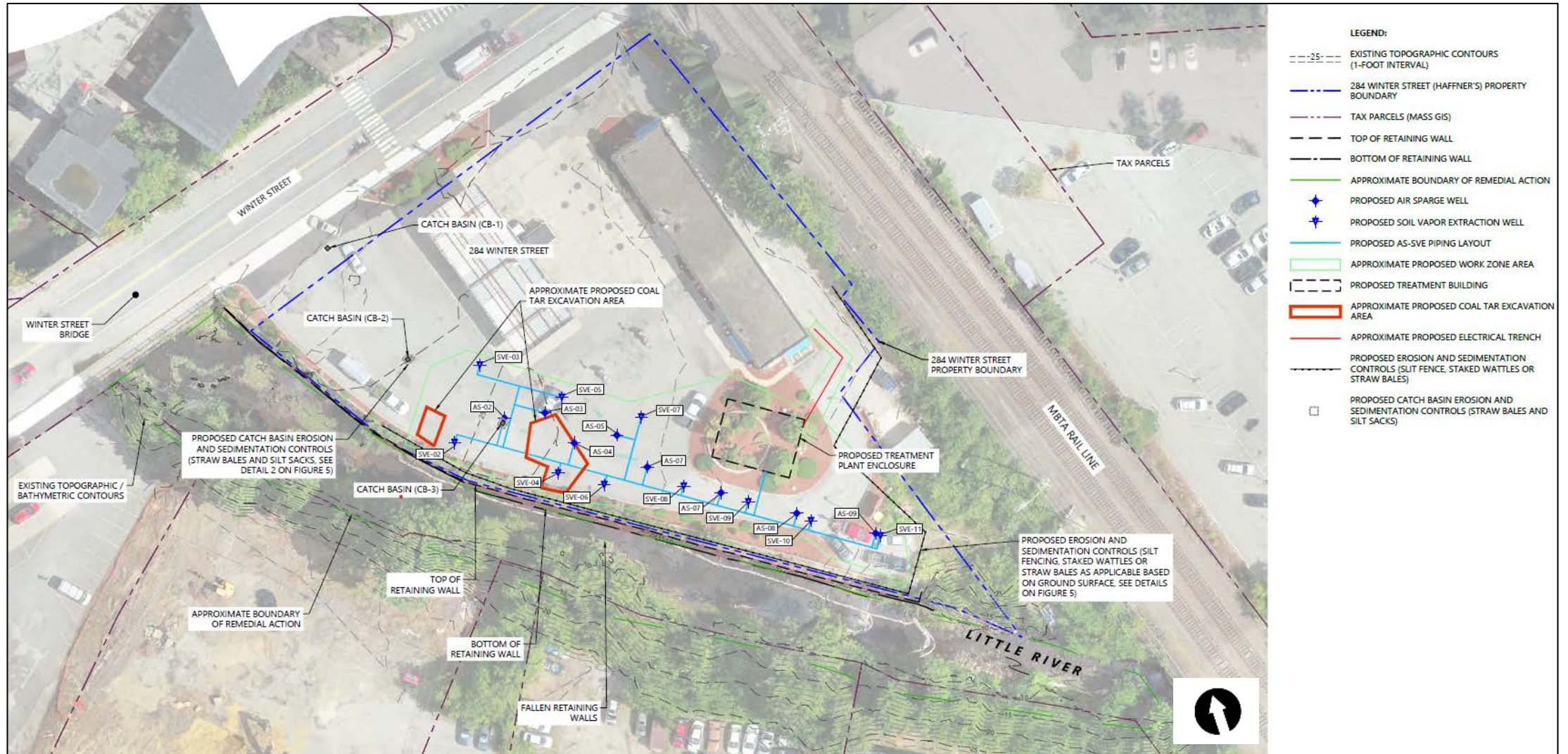


# Wetland Resource Areas



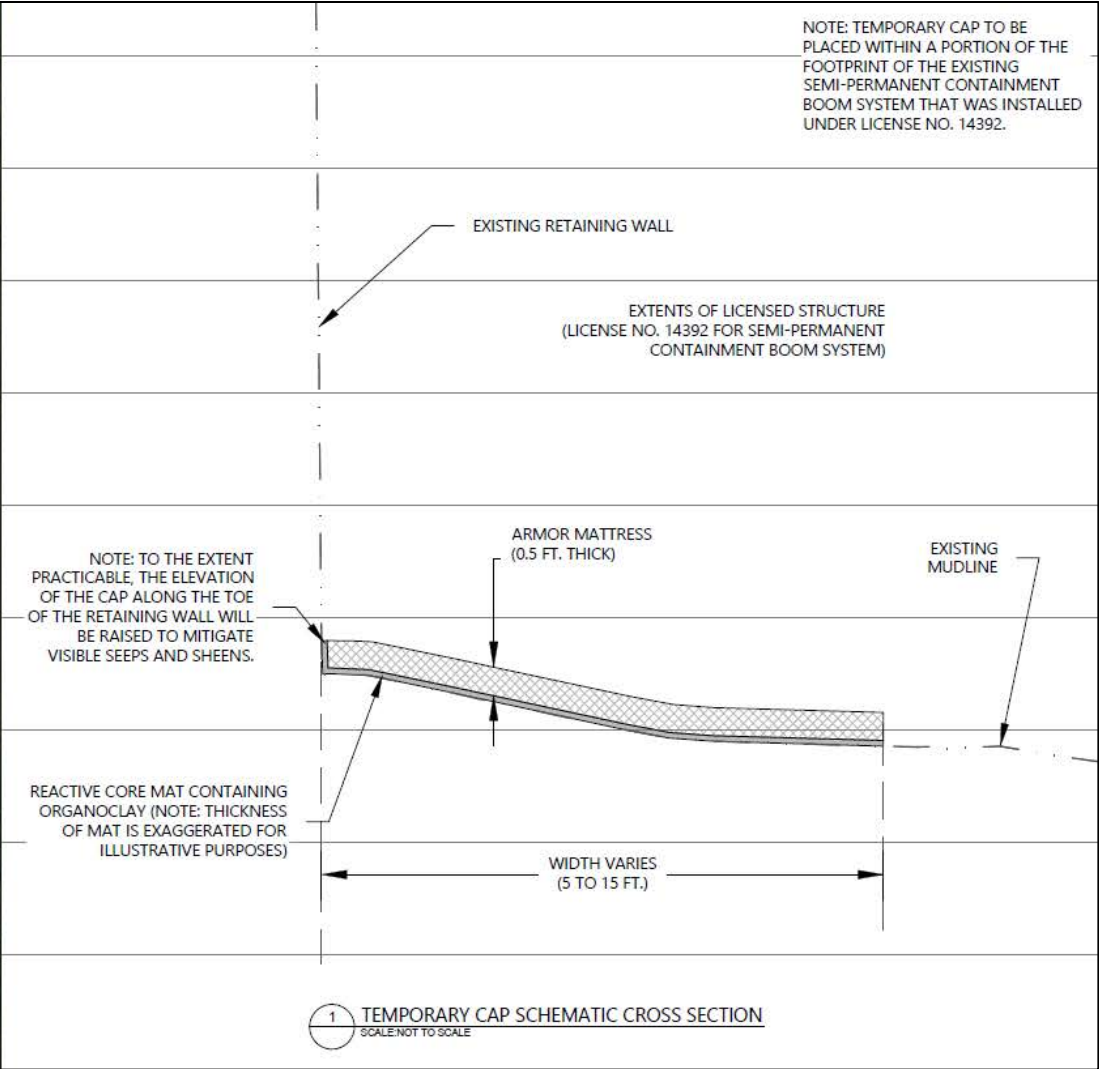
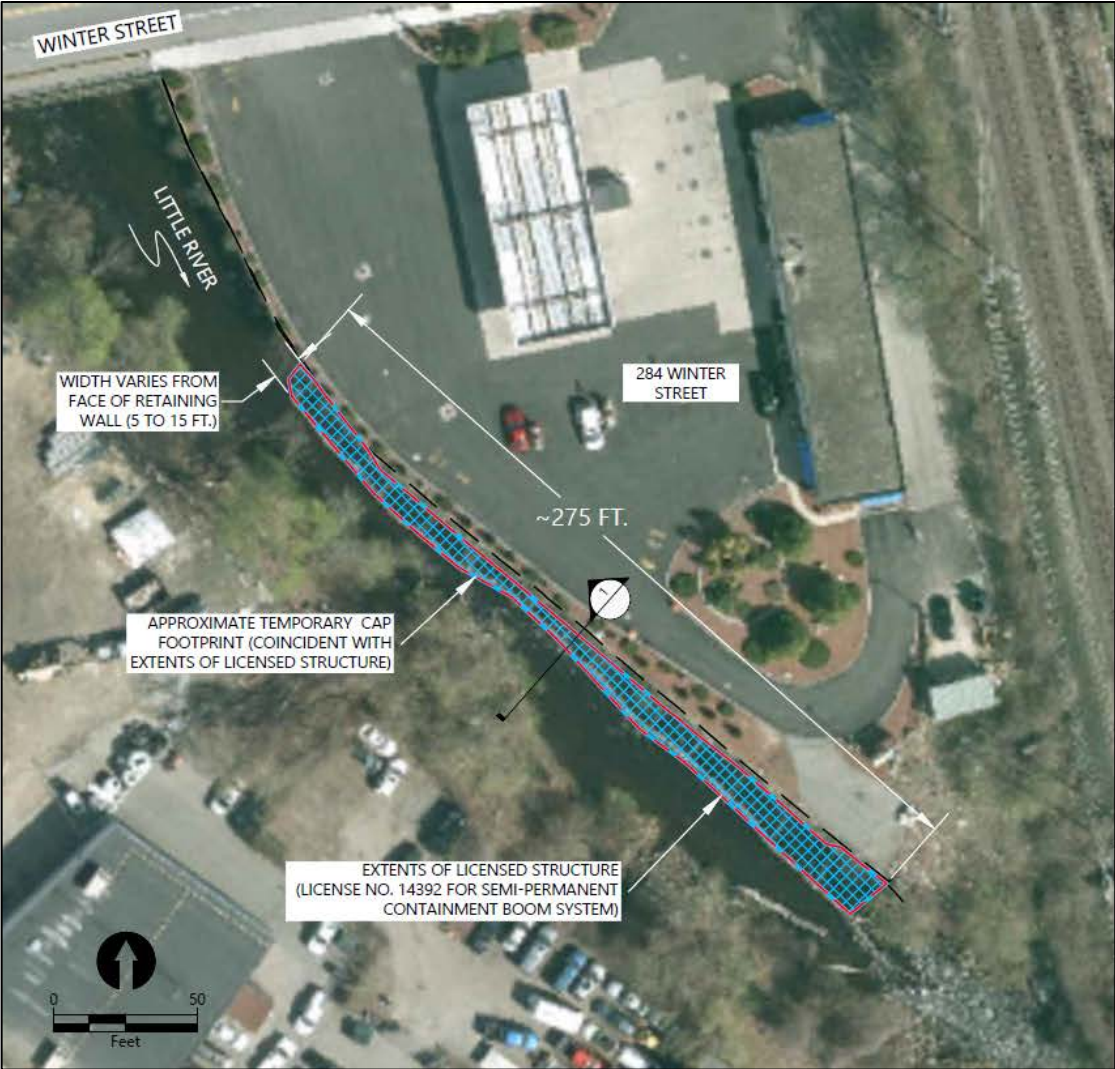


# Upland – AS/SVE and Limited Excavation





# Little River – Temporary Cap



# Anticipated Schedule

- November/December 2024
  - Install temporary cap in Little River: 3 to 4 weeks
- Winter 2024/2025 –
  - Install wells and piping for AS/SVE system
  - Relocate electric line and conduct limited soil excavation
- Winter/Spring 2025
  - AS/SVE system start-up

