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Part I: Primary Recipient*: Remediation Program (* required)

For Remediation documents:	For PCB/LUST documents:
Primary Program*: Voluntary Remediation	UST Facility ID: (if applicable)
Rem ID*: 12390	Spill Case Number: (if known)

Part II: Site Information

Site Name*: Rockville Former Manufactured Gas Plant
Site Address*: 13 Maple Street
City/Town*: Rockville, Vernon State: CT Zip Code: 06066

Secondary Programs (complete as many as applicable for this document):

Program: Significant Environmental Hazard	Project ID: 13641
Program: Select Secondary Program	Project ID:
Program: Select Secondary Program	Project ID:
Program: Select Secondary Program	Project ID:

Provide Project ID for each secondary program if it is known.
Each program has a unique ID (i.e. Rem ID, Spill Case #, UST Facility ID, etc.)

Part III: Document Information (document type required for appropriate program[s] only)

Remediation*: Annual Report
LUST/PCB*: LUST/PCB Document Type
Date of Document*: 12/23/2025 Version: Final

Part IV: Submitter Information

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GEI Consultants

2025 Annual Report

Rockville Former Manufactured Gas Plant (MGP) Site

13 Maple Street, Vernon, Rockville, CT 06066

Submitted to:
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107 Selden Street
Berlin, CT 06037

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December 2025
Project No. 2200138



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2025 Annual Report
Rockville Former Manufactured Gas Plant (MGP) Site
13 Maple Street, Vernon, Rockville, CT 06066
December 2025

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1. Introduction

On behalf of The Connecticut Light and Power Company (CL&P) dba Eversource Energy (Eversource), GEI Consultants, Inc. (GEI) prepared this 2025 Annual Report for the Rockville former manufactured gas plant (MGP) site located at 13 Maple Street, in the Rockville section of Vernon, Connecticut (Site). The Site location is shown on Figure 1. This report serves as the annual update as required by the Voluntary Remediation Program (VRP) which the Site is in. The report summarizes pertinent background information for the Site, identifies remaining data gaps, summarizes project tasks completed in the calendar year, summarizes the conceptual site model (CSM), and provides an updated schedule.

2. Background

2.1. Site Description

The 3.43-acre Site is bounded by a wooded lot, a church, and residential properties to the north, Maple Street to the east, the Hockanum River and West Main Street to the south, and residential properties with frontage on West Street (Route 527) to the west. The Site is currently used as an electrical substation, Eversource's Substation 14W. The substation is enclosed by two perimeter fences that limit access to authorized personnel only. The Inner Substation Area includes the active electrical substation infrastructure including high voltage power lines, towers, transformers, and electrical control houses. Subsurface electrical power supply duct banks and substation grounding grid are located beneath a crushed gravel cover inside the Inner Substation Area. Access to the Inner Substation Area is restricted by a high security fence equipped with barbed wire. Eversource requires notification and specialized training prior to entry to the Inner Substation Area and appropriate escort by qualified personnel.

The remainder of the parcel outside the Inner Substation Area is referred to as the Outer Substation Area (Figure 2). The Outer Substation Area includes a grassed area surrounding the eastern and northern sides of the Site. A series of electrical duct banks extend from the switch gear beyond the northeastern Inner Substation Area into the Outer Substation Area that feed distribution poles along the site boundary with Maple Street. The western portion of the Outer Substation Area is a fenced area where a high-pressure gas regulator / control house was located prior to recent demolition. The Hockanum River is within the Outer Substation Area and abuts the Inner Substation Area to the south. Wooded and overgrown areas are located on the northern portion of the Site adjacent to the St. Joseph's Church paved parking lot and along the southern portion of the Site between the Hockanum River and West Main Street.

The Site is zoned "NR-10", which is a designation provided to historic district neighborhood parcels. Surrounding land use within a 500-foot radius includes mixed residential, commercial, and light industrial land use, schools, and a church.

2.2. Site History

2.2.1. Operational History

The Site was formerly a MGP that operated from 1863 until the mid-1930s when gas production ceased. The original MGP consisted of a distillation works and a gas holder, with coal gas produced by the retort process. By 1877, a second gas holder was erected, as well as a 1.5-story brick building to house gas production. In 1890, three gas engines were installed and the coal-gas made on-Site was consumed by electrical generators for arc lighting. In the mid-1890s, the MGP was converted to make carbureted water-gas. A third gas holder was erected at the MGP in 1922. Gas production ceased prior to the mid-1930s.

The footprint of the former MGP structures is shown in Figure 2. The former MGP was acquired by CL&P in 1935 and later converted to be used as an electrical substation and natural gas regulator station. The

operations of the gas regulator station were decommissioned in 2023 and the associated gas regulation shed was demolished in 2024.

2.2.2. Previous Environmental Reports and Site Status

Several investigations were conducted at the Site during the 1990s as identified below:

- MGP Site Investigation, March 1992, NUSCO
- MGP Off-Site Investigation Phase I Interim Report, May 1993, NUSCO
- MGP Off-Site Investigation, April 1994, NUSCO
- Human Health Risk Assessment, December 1994, NUSCO
- Field Summary Report, April 1995, NUSCO
- Analysis of Remedial Alternatives, October 1996, RETEC

On September 2, 2015, Eversource entered the Site into the VRP, pursuant to Connecticut General Statutes (CGS) 22a-133x, by submitting an Environmental Condition Assessment Form (ECAF) and fee to the CT DEEP. Acknowledgment of the ECAF and fee was provided in a letter from CT DEEP dated September 24, 2015. Since CT DEEP did not indicate that the Commissioner's review and approval of the investigation was required within 30 days of the date of their letter, the Site was automatically delegated to a Licensed Environmental Professional (LEP).

A data summary of the investigations listed above is provided in the ECAF and the "Site Status and Condition Report" prepared by GEI, both of which are dated August 31, 2015, and submitted to CT DEEP on September 2, 2015. A Water-Supply Well Receptor Survey was also performed as part of the ECAF with no water supply wells identified within a 500-foot radius of the Site.

Eversource retained Tighe & Bond as the environmental consulting firm in December 2015. Tighe & Bond conducted various Site investigation activities and submitted Annual Reports to CT DEEP from December 2016 through December 2021. Sample locations associated with investigations performed by Tighe & Bond are shown on the attached Figure 3. CT DEEP Significant Environmental Hazard (SEH) Notification Forms were also submitted as required based on findings indicating that SEH conditions were present in certain areas. In 2020, an Off-Site Soil Vapor Assessment was completed and submitted to the church pastor of off-site St. Joseph's Church. In 2021, Exponent Ecological and Biological Sciences (Exponent) completed a Screening Level Ecological Risk Assessment (SLERA) that was submitted to CT DEEP. These activities have been summarized in prior annual reports.

In early 2022, Eversource retained GEI to plan and implement a Supplemental Phase II/III Environmental Site Assessment (ESA) Work Plan for the Site. Annual reporting for the Site continued following the supplemental Phase II/III investigation work completed in 2022. The 2022 Annual Report summarized the findings of the supplemental investigation which included the following:

- Drilling and well installation.
- SEH Delineation Soil Sampling.

- Sediment and Surface Water sampling within and along the Hockanum River.

As part of the 2022 Phase II/III ESA Work Plan, GEI completed four (4) quarters of groundwater sampling of a select list of monitoring wells including the downgradient wells installed as part of the work plan in 2022 to delineate the impacted groundwater plume. Monitoring work also included non-aqueous phase liquid (NAPL) gauging and recovery at on-Site wells previously identified as having the potential to collect NAPL. The results of the quarterly groundwater monitoring and NAPL recovery efforts were summarized in the 2023 and 2024 Annual Reports.

Activities performed during 2025 are further discussed in Section 3.

2.3. Previously Identified Data Gaps and Status

Several data gaps were identified in 2022 based on GEI's understanding of the Site and prior investigation efforts. The Supplemental Phase II/III ESA Work Plan, the contents of which were summarized in the 2022 Annual Report submittal to CT DEEP, identified proposed activities to address these data gaps. The identified data gaps are summarized below, along with a summary of the status of each including 2025 updates in bold:

- Characterization of the nature and extent of the groundwater plume within the intermediate groundwater zone is needed to the west/northwest of MW-42M, which exceeds the Surface Water Protection Criteria (SWPC) for extractable total petroleum hydrocarbons (ETPH) and the Groundwater Protection Criteria (GWPC) for benzene and ETPH. **Additional wells were installed in 2022 and quarterly monitoring in 2023 was completed to delineate the affected groundwater area. Attached to the 2024 Annual Report is an Initial Notification for Intended Use of Alternative Groundwater Protection Criteria (GWPC), which describes the basis and rationale for the use of alternative GWPC values consistent with the Remediation Standard Regulations (RSRs).**
- Additional groundwater data at St. Joseph's Church and proposed additional downgradient wells are needed to evaluate seasonal changes to constituents of concern (COCs) in groundwater downgradient of the Site. **Additional wells were installed in 2022 and quarterly monitoring in 2023 was completed to delineate the affected groundwater area. As indicated above, we included an Initial Notification for Intended Use of Alternative with the 2024 Annual Report.**
- Additional groundwater data at the northwestern and western portions of the Outer Substation Area is needed to evaluate seasonal changes to COCs in groundwater at monitoring wells MW-03DR and MW-39S. Wells RW-03M, MW-03DR, and MW-37S need to be gauged to evaluate if measurable volumes of NAPL have accumulated at these locations. **Additional monitoring of these wells was performed in 2025 (see Section 3).**
- Volatile organic compounds (VOCs) and petroleum-impacted groundwater in well MW-35S is within 15 feet of the ground surface of the electrical control house slab, thus warranting a soil vapor assessment beneath the control house. **Soil vapor testing was performed in the control house in March 2022. The detected concentrations of VOCs and ETPH were below both the RES VC and I/C VC for soil vapor and therefore meet the CT DEEP RSR Section 22a-133k-3(c)(1)(A) Alternative Demonstration of Compliance with Volatilization Criteria for**

Groundwater for Soil Vapor Below a Building. A summary memo was included as Appendix B to the 2022 Annual Report.

- Additional delineation of shallow soils (0 to 2 feet below ground surface) was needed around previous soil sample locations SB-76 and SB-78 to determine the extent of soil with benzo(a)pyrene concentrations exceeding the SEH Condition Notification Threshold Concentration. **The SEH Conditions have been delineated as discussed in Section 2.4. An annual SEH Status Update Form was submitted in 2025 (see Section 3.3).**
- The SLERA completed by Exponent in 2021 indicated a potential for Site-related COCs in the Hockanum River portion of the Site to present adverse ecological effects to benthic invertebrates, fish, and semi-aquatic wildlife. The SLERA recommended further evaluation in a Baseline Ecological Risk Assessment (BERA). GEI recommended the performance of a refined SLERA in lieu of a BERA and additional data collection would be required in support of this. **Additional data collection was performed in 2022 and a refined SLERA was submitted to CT DEEP on May 31, 2023 (see the 2023 Annual Report).**

As part of activities planned for 2026, the existing data gaps will be re-evaluated and initial planning to establish a remedy for the Site will be completed including an in-situ solidification (ISS) treatability study for source material identified within gas holders 1 and 2. The results of the data gap analysis will determine if the nature and extent of impacts associated with the former MGP site has been sufficiently defined. Any additional information including the results of the ISS study required to select and design a remedy for the Site and to demonstrate compliance with the CT DEEP RSRs for soil, groundwater, and NAPL impacts will likely be included as part of the remedial action plan (RAP) and/or a pre-design investigation for the Site.

2.4. Significant Environmental Hazard (SEH) Reporting Background

During sampling for the Phase III ESA in 2018, a soil sample was detected above CT DEEP's Significant Environmental Hazard Condition Notification Threshold for benzo(a)pyrene (BaP). The sample was collected from surface soils at SS-102 located in the Inner Substation Area and was determined to be associated with historical fill. The exceedance was reported to CT DEEP in a SEH Notification Form (SEH ID:13641) on February 26, 2018. In response, CT DEEP issued an SEH Acknowledgment Letter on March 16, 2018, which stated that an immediate action to limit short-term risk was not required because the area was secured by permanent fencing. The letter required that the site investigation, remediation, and annual inspection reporting be continued in accordance with the plan provided in the SEH Notification Form.

Annual SEH Status Update Forms have been submitted to the CT DEEP since 2019 to provide an update on any SEH sampling, mitigation measures, and/or abatement activities. Additional locations exceeding the SEH Condition Threshold Concentration for BaP have been identified at the following locations and reported to the CT DEEP:

- In 2018, during the Phase III ESA, BaP concentrations were detected above the SEH Condition Notification Threshold Concentration in surficial soils at HA-01A, HA-02, and HA-03 located around SS-102 and in the one-to-two-foot interval at HA-18 located in the Outer Substation Area.

- In 2020, on-going Phase III ESA sampling identified BaP above the SEH Condition Notification Threshold Concentration within historical fill in soil borings SB-76 and SB-78 located within the Inner Substation Area.
- In 2021, pre-characterization sampling to support the installation of a utility conduit duct bank found an SEH exceedance for BaP at OSS-4 in the Outer Substation Area. After excavation of the duct bank trench through the OSS-4 sample area, four sidewall samples including OSS-4NW, OSS-4NE, OSS-4SE and OSS-4SW, were collected from the trench. BaP results from these samples indicated the SEH condition was abated. The soils from the OSS-4 area were removed and disposed of offsite along with the other soils generated from the project under the same waste profile.

In March 2022, additional delineation sampling around SB-76 and SB-78 was performed. The additional sampling defined the limits of the SEH condition at boring SB-78 and approximately 18 tons of soil was excavated in May 2022, as summarized in the 2022 SEH Status Update Form submitted to the CT DEEP on May 25, 2022.

The March 2022 delineation sampling around boring SB-76 did not completely define the limits of the SEH condition in this area of the Site. Additional delineation sampling was completed in December 2022 which included collection of soil samples from the 0- to 1-foot and 1- to 2-foot depth intervals at an adjacent location SB-76A1 and submitted under chain-of-custody to Phoenix Laboratories for analysis of PAHs by EPA Method 8270D. The 2022 Annual Report indicated that the preliminary results for these samples were below SEH criteria. This was confirmed after receipt of final results and data quality review in 2023 such that the area around SB-76 is delineated as a result of the December 2022 sampling. The SEH sampling activities and data are further discussed in the 2023 CT DEEP SEH Status Update Form submitted to the CT DEEP on May 19, 2023. The remaining SEH conditions at the Site are within the outer or inner substation fence, inspected on an annual basis, and will be abated as part of the Site-wide remedy. The most recent SEH Status update was submitted to CT DEEP on May 29, 2025 (see Section 3.3).

3. 2025 Site Activities

This section summarizes key project-related activities performed from January 2025 through December 2025, including the following:

- NAPL gauging and recovery
- Significant Environmental Hazard Activities
- In-situ Solidification Treatability Study

Each of these is discussed in further detail in the following subsections.

3.1. NAPL Gauging & Recovery

GEI's 2022 Work Plan included NAPL gauging of certain monitoring wells where NAPL was previously detected. This monitoring effort was continued through 2025 to understand NAPL thickness and recovery trends and to periodically remove NAPL from the existing well network if present and recoverable. Initially, a comprehensive well gauging event was performed in January 2023 (discussed in the 2023 Annual Report) and one of its objectives was to obtain an updated assessment regarding the presence of NAPL in the monitoring well network. Wells that were initially identified to contain NAPL included MW-2D, MW-3D, MW-10D, MW-24S, and MW-32S (Figure 3), all of which contained a tar-like dense non-aqueous phase liquid (DNAPL) with the except for MW-32S, which was observed to contain light non-aqueous phase liquid (LNAPL). MW-32S was therefore included in the subsequent NAPL gauging and recovery program.

Table 1 summarizes the NAPL gauging and recovery data from 2025. As indicated, a trace (less than 0.01 feet) thickness of LNAPL was observed in monitoring well MW-32S during the March 2025 event. LNAPL was not detected in MW-32S during the three subsequent quarterly events. Approximately 0.1 gallons of LNAPL was recovered from the well in 2025. LNAPL was not detected in any other monitoring wells gauged at the Site.

DNAPL was detected in the four wells listed above at thicknesses ranging from trace (less than 0.01 feet) to 1.5 feet in MW-24S (May 2025). Recoverable DNAPL was removed from the wells during each event totaling approximately 5 gallons of DNAPL during 2025.

Recovered NAPL was contained on-Site in a 55-gallon drums pending waste characterization, off-Site transport, and disposal. We anticipate a waste shipment and disposal event in 2026.

3.2. Significant Environmental Hazard Activities

A SEH Status Update Form: Soil for SEH ID:13641 was submitted on May 29, 2025, documenting the existing SEH conditions, a copy of which is included as Appendix A. As discussed in Section 2.3, the surface soil SEH conditions at the Site are protected within the outer or inner substation fence and will be abated as part of the Site-wide remedy.

3.3. In-situ Solidification Treatability Study

In July 2025, Strategic Environmental Services, Inc mobilized to the Site with an excavator to perform test pits TP-101 through TP-104 proximate to the presumed locations of the three former gas holders to collect samples for an in-situ solidification treatability study to understand if stabilization of source area material (soil/material located within the former gas holder foundations) is a feasible remedial option as part of the Site wide remedy. GEI was on-Site to observe subsurface conditions and document the construction and position of the former gas holder foundation structures still in place during the test pit excavation. Test pit locations are depicted on Figure 3 included with this report.

Subsurface conditions included sand and gravel with varying amounts of fill including brick and concrete. NAPL coated/saturated soils were observed below 5 feet deep in gas holder #1 and below 8 feet deep in gas holder #2. Both gas holders #1 and #2 were observed to be constructed of brick masonry and were constructed as in-ground gas holders (main structure was constructed below grade) with a round configuration (previously depicted as having an octagonal-like shape). The base of the gas holders was not encountered due to unstable soil collapsing the test pit excavations before reaching the bottom depth of the gas holder foundation. Gas holder number #3 was verified as being constructed primarily above grade as an intact concrete slab was observed 3 feet below the existing ground surface. The test pits were backfilled with the excavated soil which was placed back in each test pit at the approximate depth the soil was excavated from. Several soil samples were collected and sent to specialized laboratories to identify a solidification mix design that is applicable to both holders and understand field constructability during remediation.

The solidification mix design testing is currently in process and the results of the study will be included under separate cover or included as part of the RAP for the Site.

4. Conceptual Site Model

Tighe & Bond created a preliminary CSM summary table that was included in the 2021 Annual Report. That table was modified to reflect additional data/findings from activities previously performed in 2025 and with the understanding that groundwater concentrations are compliant with calculated alternate GWPC as described in the 2024 Annual Report. Minor modifications/updates were made to this table to include the activities completed in 2025. The revised table is included as Table 2 of this Annual Report.

A further revised/updated CSM will be developed to identify releases, migration pathways, potential receptors, and risks of the environmental system at the Site. An updated CSM will be provided as part of the proposed Comprehensive Phase III / Completion of Investigation Report, and reflect the additional data and findings collected through any other collected data. In doing so, GEI intends to consolidate AOCs to provide a streamlined CSM to clearly document the three dimensional and temporal distribution of contaminants in the context of the geologic, hydrogeologic, and hydrologic framework of the Site.

5. Schedule

An approximate timeframe for the anticipated Site activities for 2026 is provided below. Timeframes are estimated based on recently completed activities and may be altered if additional data gaps are identified or delays are encountered. The schedule will be updated annually as new data is available.

Task	Details	Approximate Timeframe
1Q26 Well Gauging and NAPL recovery	NAPL gauging and recovery at previously selected locations	January 2026
2Q26 Well Gauging and NAPL recovery	NAPL gauging and recovery at previously selected locations	April 2026
3Q26 Well Gauging and NAPL recovery	NAPL gauging and recovery at previously selected locations	July 2026
4Q26 Well Gauging and NAPL Recovery	NAPL gauging and recovery at previously selected locations	October 2026
2026 SEH Status Update Form	To include any SEH-related activities performed since the 2025 SEH Status Update Form submittal	By June 1, 2026
2026 Annual Report	Submittal to CT DEEP to include a summary of all investigation tasks and results completed in the calendar year. This report may be submitted as the Comprehensive Phase III/ Completion of Investigation Report included below.	End of December 2026
Comprehensive Phase III / Completion of Investigation Report	To be prepared in 2026	Estimate submittal to CT DEEP in 2026

Tables

Table 1 Well Gauging and NAPL Summary

Table 2 Conceptual Site Model Summary

Table 1. Well Gauging and NAPL Summary
2025 Annual Report
Rockville Former MGP Site

Well ID	Location	Date:					3/31/2025					5/29/2025					8/14/2025					10/15/2025				
		Monitoring Well Construction Details																								
		Top of Well Casing or Measuring Point Elevation (ft. NAVD 88)	Ground Elevation (ft. MSL)	Midpoint Elevation of Screen	Completion Depth (ft. below grade)	Screen Interval (ft. below grade)	Depth to water (ft.)	Groundwater and River Elevation (ft. NAVD88)	Total Depth (ft.)	LNAPL Thickness (ft.)	DNAPL Thickness (ft.)	Depth to water (ft.)	Groundwater and River Elevation (ft. NAVD88)	Total Depth (ft.)	LNAPL Thickness (ft.)	DNAPL Thickness (ft.)	Depth to water (ft.)	Groundwater and River Elevation (ft. NAVD88)	Total Depth (ft.)	LNAPL Thickness (ft.)	DNAPL Thickness (ft.)	Depth to water (ft.)	Groundwater and River Elevation (ft. NAVD88)	Total Depth (ft.)	LNAPL Thickness (ft.)	DNAPL Thickness (ft.)
Monitoring Well Locations																										
MW-1S	Overgrown Area-Outer Substation	259.37	261.15	236.15	30	20-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-1D		259.59	261.24	191.24	75	65-75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2S	Inner Substation	249.01	249.01	237.01	17	7-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2SR		247.10	247.48	235.48	17	7-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-2D		247.62	249.01	222.01	32	22-32	11.20	236.42	31.50	-	Trace	10.35	237.27	31.50	-	Trace	11.00	236.62	31.70	-	Trace	11.29	236.33	31.50	-	Trace
MW-2BR		247.24	247.44	174.44	60	50-60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3S	Wooded Area- Outer Substation	250.12	250.54	235.54	20	10-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RW-03M		252.24	-	225.24	32	22-32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3D		251.58	250.68	177.68	78	68-78	18.30	233.28	79.50	-	Trace	17.58	234.00	80.05	-	Trace	18.20	233.38	80.70	-	Trace	18.43	233.15	89.60	-	Trace
MW-3DR		252.58	250.68	171.68	84	74-84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-3BR		252.73	249.14	154.14	100	90-100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4S	Grassed Area- Outer Substation	249.25	248.81	238.81	15	5-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4SR		249.11	248.81	234.11	20	10-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-4D		249.40	248.75	194.25	59.5	49.5-59.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5S	Inner Substation	244.74	246.37	236.37	15	5-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-5D		244.56	246.32	223.32	28	18-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6S	Grassed Area- Outer Substation	250.31	248.76	241.76	12	2-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-6D		249.69	249.00	219.00	35	25-35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7S		262.13	263.81	235.81	33	23-33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-7D		265.01	261.76	183.76	83	73-83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8S		248.43	248.56	238.56	15	5-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-8SR		246.29	246.69	234.69	17	7-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9S		254.17	255.75	235.75	25	15-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-9D		253.95	255.63	190.63	70	60-70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10S		257.82	259.42	239.42	25	15-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10SR		257.68	258.04	238.04	25	15-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10M		257.35	259.08	204.08	60	50-60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-10D		257.33	258.98	179.98	84	74-84	23.38	233.95	80.85	-	Trace	22.59	234.74	80.85	-	-	23.25	234.08	81.30	-	-	23.46	-	80.00	-	-
MW-10BR		257.33	257.57	162.57	100	90-100	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11S	West Main Street Parcel	252.17	251.20	238.70	17.5	7.5-17.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-11D		251.91	251.10	229.60	24	19-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12S		251.54	250.80	239.80	16	6-16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-12D		251.69	250.90	231.40	22	17-22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13S	St. Joseph Church Parking Lot	252.13	252.53	232.53	18.2	15-25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13M		252.16	252.45	216.95	30.5-40.5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-13D		251.91	252.45	184.45	73	63-73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14S		245.11	245.40	230.40	19.58	10-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14M		245.62	245.40	217.40	33	23-33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-14D		244.90	245.36	173.36	76.21	67-77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-16S	Outer Substation Area	246.82	244.86	232.86	17	7-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-17S		245.72	246.01	234.01	17	7-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-18D		254.03	251.16	174.16	82	72-82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-19S	St. Joseph Church Parking Lot	251.88	252.16	233.16	24	14-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-20S		260.52	260.52	231.52	34	24-34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-21S		255.11	255.30	230.30	30	20-30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-23S	USPS ROW	268.98	269.20	235.20	39	29-39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-24S	Grassed Area- Outer Substation	257.07	257.59	231.59	31	21-31	23.23	233.84	31.40	-	Trace	22.40	234.67	31.50	-	1.50	23.10	233.97	31.85	-	0.90	23.41	233.66	31.36	-	1.40
MW-25S		250.82	250.99	231.99	24	14-24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-26S	Front of St. Joseph Convent	243.97	244.53	234.53	15	5-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-26D		244.28	244.45	175.45	74	64-74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-26BR		244.16	244.32	162.32	87	77-87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-27S	17 Maple Street	260.80	261.00	232.00	34	24-34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-28S	Maple Street ROW	263.85	264.11	232.11	37	27-37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Table 1. Well Gauging and NAPL Summary
2025 Annual Report
Rockville Former MGP Site

Well ID	Location	Date:	Monitoring Well Construction Details					3/31/2025					5/29/2025					8/14/2025					10/15/2025				
		Top of Well Casing or Measuring Point Elevation (ft. NAVD 88)	Ground Elevation (ft. MSL)	Midpoint Elevation of Screen	Completion Depth (ft. below grade)	Screen Interval (ft. below grade)	Depth to water (ft.)	Groundwater and River Elevation (ft. NAVD88)	Total Depth (ft.)	LNAPL Thickness (ft.)	DNAPL Thickness (ft.)	Depth to water (ft.)	Groundwater and River Elevation (ft. NAVD88)	Total Depth (ft.)	LNAPL Thickness (ft.)	DNAPL Thickness (ft.)	Depth to water (ft.)	Groundwater and River Elevation (ft. NAVD88)	Total Depth (ft.)	LNAPL Thickness (ft.)	DNAPL Thickness (ft.)	Depth to water (ft.)	Groundwater and River Elevation (ft. NAVD88)	Total Depth (ft.)	LNAPL Thickness (ft.)	DNAPL Thickness (ft.)
Monitoring Well Locations																											
MW-29S	St. Joseph Church Front Lawn	244.09	244.24	231.24	18	8-18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-29D		244.00	244.31	174.31	75	65-75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-30S	Rear of Substation	244.46	244.58	237.58	12	2-12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-31S	West Street ROW	246.16	250.00	238.00	17	7-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-32S	Inner Substation	249.50	250.00	235.00	20	10-20	15.05	234.45	19.70	Trace	-	14.05	235.45	19.75	-	-	14.95	234.55	19.80	-	-	15.27	234.23	19.71	-	-
MW-33S		247.19	247.49	233.49	19	9-19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-34S		247.09	247.39	237.39	15	5-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-35S		247.68	248.01	236.01	17	7-17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-36S		246.36	246.66	236.66	15	5-15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-37S	Outer Substation Area	260.21	265.05	142.05	28	18-28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-37D		260.77	265.05	185.05	85	75-85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-37BR		260.05	257.41	157.41	105	95-105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-38S	Rear of Substation	243.31	243.71	237.21	9	4-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-39S		243.76	243.41	236.91	9	4-9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-40S	Front of school	245.19	-	230.19	20	10-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-41S	Front of St. Joseph Church	244.46	-	229.46	20	10-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-42S	NE of Windsor Ave and West St intersection	243.20	-	228.20	20	10-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-42M		243.21	-	210.21	38	28-38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-43S	SW of West St and Union St intersection	244.60	-	229.60	20	10-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-43M		244.70	-	215.70	34	24-34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-44S	Walgreens Parking Lot	243.01	243.54	228.54	20	10-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-44M		243.33	243.59	208.59	40	30-40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-45S	40 West Café Parking lot	244.20	244.47	229.47	20	10-20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-45M		244.14	244.45	209.45	40	30-40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW-46M	43 West Street	243.88	244.30	210.30	39	29-39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hockanum River Piezometers and Gauging Locations																											
RG-1 (River Gauge)	Hockanum River	245.12			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PZ-1		244.54			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PZ-1 River Level		244.54			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PZ-1A		246.79			2 ft. below river bottom	1 to 2 ft. below river bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PZ-1A River Level		246.79			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PZ-2A		244.90			2 ft. below river bottom	1 to 2 ft. below river bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PZ-2A River Level		244.90			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PZ-3A		244.12			2 ft. below river bottom	1 to 2 ft. below river bottom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PZ-3A River Level		244.90			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SG-01		247.70					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SG-02		247.48					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SG-03		245.40					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SG-04		241.72					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SG-05		241.16					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes:
NA -Not Applicable
* - Data Unavailable
"S" denotes a water table monitoring well (Shallow Groundwater Zone)
"M" denotes an intermediate monitoring well (Intermediate Groundwater Zone)
"D" denotes a deep monitoring well (Intermediate Groundwater Zone)
red text- indicates a well was destroyed or unusable.
Denotes product observed in the well : measured or observed during development or pumping.
Elevation for measuring point was surveyed by Kratzer Jones Associates in 2016 and 2017. Elevations in NAVD 88.
MSL- mean sea level-Elevations obtained from Eversource survey information: Rockville Manufactured Gas Plant Site Investigation Report dated March 1992

Table 2. Conceptual Site Model Summary
2025 Annual Report
Rockville Former MGP Site

AOC #	AOC Description	COCs	Possible Release Mechanisms and Migration Pathways	Potentially Affected Media	Previous Investigation Soil Locations	Phase II/III Soil Locations	Previous Investigation Groundwater Locations	Phase III Investigation Groundwater Locations	Previous COCs in Soil	Phase II/III COCs in Soil	Previous COCs in Groundwater	Phase III COCs in Groundwater	COCs in Surface Water	Investigation Status	Remediation Status
Rockville Former MGP Site (On-Site)															
1	Former Retorts/ Generating Room	VOCs (BTEX), SVOCs, Metals, Total Cyanide, ETPH	Coal and oil used to generate manufactured gas. By- products generated could include tar residues, coal ash, coke, complexed cyanide compounds during the production of gas. Materials could have been used as fill in the building foundation.	Surface soils Subsurface soils Groundwater	TB-34 TB-47	SB-07 SB-43 SB-44 SB-46 SB-47 SB-48 MW-35S SB-76 SB-77	MW-9S/ MW-9D	MW-9S/ MW-9D MW-35S	Subsurface Soil samples from MW-09 contained VOC (ethylbenzene), SVOCs above GB PMC, metals detected. Pesticides detected (GB PMC exempt) Fill observed (ash, brick) and tar sheen and odors on auger cuttings.	ETPH above RES and I/C DEC and GB PMC in SB-07, SB-47, and MW-35S ETPH above RES DEC in SB-43 and SB-46 PAHs above RES and I/C DEC and GB PMC in SB-07, SB-43, SB-46, SB-47, MW- 35S, SB-77 and SB-78. Benzo(a) pyrene above SEH Condition Threshold Concentration in SB-76. Fill observed (ash, brick, coal) in SB-07 Staining with petroleum odors (10-11.5 ft.) Tar impacts in SB-07: 16 to 25ft, 33-33.5ft., 39-40 ft. Tar impacts in SB-43 and SB-47 at 11-15ft. Tar impacts in SB-44 at 12-15ft and 24.5-26ft. Tar impacts in SB-46 10-37ft. Tar impacts MW-35S 8-20 ft. Petroleum odors in SB-77 4-6 ft. Fill observed in SB-76 0-4 ft. Fill observed in SB-77 0-2 ft. A soil vapor sample (SV-CH-1) taken from beneath the control house was below RES VC and I/C VC for VOCs and ETPH (Phase II/III ESA)	MW-9S: VOCs (xylenes), PAHs, metals, cyanide above SWPC MW-9D: PAHs and metals above SWPC	**Shallow:** MW-9S: ETPH, VOCs (1,2,4-trimethylbenzene and naphthalene), PAHs, cyanide above SWPC. ETPH detected above Res VC and I/C VC. MW-35S: ETPH , MA VPH, MA EPH and PAHs above SWPC. ETPH and MA VPH above Res VC. VOC (naphthalene) detected above the SWPC. **Deep:** MW-9D: VOC,ETPH and cyanide not detected. Naphthalene and metals detected below the SWPC.	Surface water (Hockanum River) upgradient of the AOC	Phase I ESA (2017) Phase II Investigation (1992) Phase III ESA (2016-2020) Phase II/III ESA (2022)	Remedial evaluation pending the completion of the Phase III investigation.
2	Former Purifying House	VOCs (BTEX), SVOCs, Metals, Total Cyanide, ETPH	Manufactured gas was passed through lime used to scrub impurities (sulphur/cyanide) from the gas (Purifier waste). Materials could have been used as fill in the building foundation.	Surface soils Subsurface soils Groundwater	TBX1 TB-3 TB-4 TB-5 TB-20 TB-21 TB-22	TP-01 TP-02 TP-03 SB-31 SB-52	MW-9S/ MW-9D	MW-9S/MW-9D	Soil samples from MW-09 contained VOC (ethylbenzene), SVOCs above GB PMC, metals detected. Pesticides detected (GB PMC exempt) Fill observed (brick) and sheen and strong odors on auger cuttings.	ETPH and PAHs above RES and I/C DEC and GB PMC in SB-31 and SB-52 DEC does not apply due to samples greater than 15'. PAHs above RES and I/C DEC and GB PMC, ETPH above RES DEC in TP-03. PAHs detected above RES and I/C DEC and GB PMC. Cyanide detected in all but SB-31. Fill observed (bricks, metal pieces, metal conduit, cast iron pipe, ash) Tar impacts in SB-31 and SB-52 15-31ft	MW-9S: VOCs (xylenes), PAHs, metals, cyanide above SWPC MW-9D: PAHs and metals above SWPC	**Shallow:** MW-9S: ETPH, VOCs (1,2,4-trimethylbenzene and naphthalene), PAHs, cyanide above SWPC. ETPH detected above Res VC and I/C VC. **Deep:** MW-9D: VOC,ETPH and cyanide not detected. Naphthalene and metals detected below the SWPC.	Surface water (Hockanum River) upgradient of the AOC	Phase I ESA (2017) Phase II Investigation (1992) Phase III ESA (2016-2020)	Remedial evaluation pending the completion of the Phase III investigation.
3	Former Gas Holder #1 [Gasometer-22,000 ft^3 Capacity]	VOCs (BTEX), SVOCs, Total Cyanide, ETPH	Residual tar droplets collected inside the bottom of the holder which is likely subgrade based upon its age (pre-1900 and boring refusal). Possible leaks or spills from the holder to the soils.	Surface soils Subsurface soils Groundwater	TB-18 (Refusal 13.6') TB-19 (Refusal 14') TB-6 (Refusal 15.5') TB-7 (Refusal 16.5') TB-45 CSS-4	SB-04 SB-05 SB-06 SB-29 SB-30 SB-31 SB-85 TP-04 TP-05	MW-10S MW-10M MW-10D	MW-9S MW-9D MW-10S MW-10M MW-10D MW-10BR MW-10SR MW-24S MW-32S	Surface soil: PAHs detected. Soil samples from MW-10 contained VOCs, SVOCs, pesticides above GB PMC but below the water table. Strong sheen and odor observed on auger cuttings. Fill observed TB-18 and TB-19.	ETPH above RES DEC in SB-29 and SB-30. ETPH and VOCs above RES & I/C DEC and/or GB PMC in SB-05, SB-06, SB-31, and TP-05. DEC does not apply to SB-05 due to sample depth greater than 15'. PAHs above RES and I/C DEC and/or GB PMC in SB-29, SB-30, and SB-31 Fill observed (ash, slag, and/or metal) in SB-06, SB-29, SB-30, SB-31, TP-04, TP-05 Heavily tar impacted soils within the Gas Holder #1 (5.75 to 14 feet). TCLP benzene in impacted above characteristic hazardous waste level in SB-85. Outside holder tar impacts observed in SB-04, SB-05 19.5- 39 feet, 44.5 ft. to 50 feet, 71 to 74 ft. and SB-31 from 11 to 31 ft and 47 to 49 ft	MW-9S: VOCs (xylenes), PAHs, metals, cyanide above SWPC MW-9D: PAHs and metals above SWPC MW-10S: VOCs and cyanide detected, PAHs and metals above SWPC. MW-10M: VOCs (xylenes) detected, PAHs and metals above SWPC MW-10D: SVOCs and metal (zinc) above SWPC	**Shallow:** MW-10SR: Not sampled due to visual observations of tar globules/ staining during development. Tar present in subsequent gauging. Tar present in MW-24S and MW-32S during development. MW-24S contained in subsequent gauging. **Intermediate:** MW-10M: ETPH, VOCs (naphthalene) detected and PAHs above SWPC **Deep:** MW-10D: Not sampled due to visual observations of tar globules/ staining during development **Bedrock:** MW-10BR: ETPH, PAHs , VOCs, and metals detected.	Surface water (Hockanum River) upgradient of the AOC	Phase I ESA (2017) Phase II Investigation (1992) Human Health Risk Assessment (1994) Phase III ESA (2016-2020)	Remedial evaluation pending the completion of the Phase III investigation and In-situ Stabilization Study

Table 2. Conceptual Site Model Summary
2025 Annual Report
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AOC #	AOC Description	COCs	Possible Release Mechanisms and Migration Pathways	Potentially Affected Media	Previous Investigation Soil Locations	Phase II/III Soil Locations	Previous Investigation Groundwater Locations	Phase III Investigation Groundwater Locations	Previous COCs in Soil	Phase II/III COCs in Soil	Previous COCs in Groundwater	Phase III COCs in Groundwater	COCs in Surface Water	Investigation Status	Remediation Status
4	Former Gas Holder #2 [Gasometer-22,000 ft^3 Capacity]	VOCs (BTEX), SVOCs, Total Cyanide, ETPH	Residual tar droplets collected inside the bottom of the holder which is likely subgrade based upon its age (pre-1900) and boring refusal. Possible leaks or spills from the holder to the soils.	Surface soils Subsurface soils Groundwater	TBX-4 TB-16 (Refusal 18') TB-17 TB-8 TB-9 TB-42	SB-02 SB-03 SB-04 SB-05 SB-28 SB-29 SB-73 SB-74 SB-75 SB-83 SB-84 TP-05 TP-06	MW-10S MW-10M MW-10D	MW-10S MW-10S2 MW-10M MW-10D MW-10BR MW-24S	Surface soil: PAHs detected. Soil samples from MW-10 contained VOCs, SVOCs, pesticides above GB PMC but below the water table Strong sheen and odor observed on auger cuttings (TB-16 and TB-17). Fill (bricks) observed in TB- 16.	PAHs, ETPH and VOCs above RES & I/C DEC and GB PMC in SB-03 and SB-05. PAHs and ETPH above GB PMC in SB-02. PAHs above RES and I/C DEC and/or GB PMC in SB-28, SB-29, and SB-73. SB-73 is in compliance with GB PMC through SPLP testing. Elevated PAHs detected in SB- 75 likely intersects the apparent seasonal high water table. Arsenic above RES and I/C DEC and benzene above GB PMC in SB-28. ETPH above RES DEC in SB-29 Total and SPLP benzene above GB PMC and 10X GWPC in SB-83 1 to 3 ft. Fill observed (ash, brick, coal) in SB-05, SB-28, and SB-29, TCLP benzene in impacted above characteristic hazardous waste level in SB-84. Fill (wood, glass, metal) observed in TP-05. Tar impacts: SB-02: 18 to 39 ft. SB-03: 10.5 to 15 ft. SB-04: 2.5-37 ft. 44.5-50 ft. SB-05: 19.5 to 39 ft., 71-74 ft. SB-28: 24-36.5 ft. TP-05: 5.75 -6.0 ft.	MW-10S: VOCs and cyanide detected, PAHs and metals above SWPC. MW-10M: VOCs (xylenes) detected, PAHs and metals above SWPC MW-10D: SVOCs and metal (zinc) above SWPC	**Shallow:** MW-10SR: Not sampled due to visual observations of tar globules/ staining during development **Deep:** MW-10M: ETPH, VOCs (naphthalene) detected and PAHs above SWPC MW-10D: Not sampled due to visual observations of tar globules/ staining during development. **Bedrock:** MW-10BR: ETPH, PAHs ,VOCs, and metals detected.	Surface water (Hockanum River) upgradient of the AOC	Phase I ESA (2017) Phase II Investigation (1992) Human Health Risk Assessment (1994) Phase III ESA (2016-2020)	Remedial evaluation pending the completion of the Phase III investigation and In-situ Stabilization Study
5	Former Gas Holder #3 [Gasometer-110,000 ft^3 Capacity)	VOCs (BTEX), SVOCs, Total Cyanide, ETPH	Residual tar droplets collected inside the bottom of the holder which is likely a shallow subgrade based upon its age (post 1900). Possible leaks or spills from the holder to the soils.	Surface soils Subsurface soils Groundwater	SS-3A CSS-3 TB-13 (Refusal 8') TB-14 (Refusal 6.5')	TP-07	Groundwater not investigated. Water encountered inside the holder foundation.	MW-7S/MW-7D	Surface soils: PAHs and metals detected Fill observed	Surface soils: PAHs, cyanide and metals detected No visual impacts in soils.	Groundwater investigations not completed in AOC.	**Shallow :** MW-7S: ETPH and PAHs detected above the SWPC. VOCs and metals detected. **Deep:** MW-7D: PAHs, VOCs and metals detected	Surface water (Hockanum River) upgradient of the AOC	Phase I ESA (2017) Phase II Investigation (1992) Human Health Risk Assessment (1994) Phase III ESA (2016-2018)	Investigation completed. Soil remediation is not required. Groundwater impacts are likely associated with AOC-3 and AOC - 4 (Holder #1 and Holder #2). Groundwater impacts are addressed under site- wide groundwater AOC- 15.
6	Former Coal Shed	PAHs, Metals	Coal stockpiled for MGP could be present in the soils.	Surface soils Subsurface soils	Soils not investigated	SS-102 SS-103 SEH Invest. HA-01 HA-02 HA-03 HA-04 HA-05 HA-06 HA-07 HA-08 HA-09	Groundwater not investigated (within active transformer yard)	Groundwater not investigated (within active transformer yard)	No investigations completed in the AOC.	PAHs, ETPH, and lead above the RES and I/C DEC and GB PMC in SS-102. PCBs detected. Benzo (a) pyrene detected above the SEH Condition Notification Threshold Concentration. PAHs, ETPH, and arsenic above the RES and I/C DEC and/or GB PMC in SS-103. Cyanide detected. PAHs above the RES and I/C DEC in HA-01 through HA-09. SEH Threshold Notification Concentration for benzo(a)pyrene delineated HA-01, HA-2 and HA-03 above the threshold. Fill observed (coal, ash) in shallow soils below the trap-rock gravel cover to 2 feet below grade.	Groundwater investigations not completed in AOC.	Groundwater investigations not completed in AOC.	Surface water (Hockanum River) upgradient of the AOC	Phase I ESA (2017) Phase III ESA (2017-2018)	Delineation SEH soils for benzo (a) pyrene was completed in 2018. Remedial evaluation pending the completion of the Phase III investigation.

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7	Former Transformer House	PCBs, ETPH	Transformer use. Possible leaks or spills could have impacted soils.	Surface soils Subsurface Soils	Soils not investigated (within active transformer yard)	SS-100 SS-101 SB-44	Groundwater not investigated (within active transformer yard)	Groundwater not investigated (within active transformer yard)	No investigations completed in the AOC.	PAHs above RES and I/C DEC and GB PMC in SS-100. Arsenic above RES and I/C DEC in SS-100 and SS-101. ETPH and cyanide detected. Fill, coal and brick, encountered to 5 feet below grade in SB-44. ETPH and cyanide detected. Visual Impacts (Appear to be associated with AOC -1) 12- 15 ft.: Petroleum odor and sheen 24.5-26: Faint tar odor	Groundwater investigations not completed in AOC.	Groundwater investigations not completed in AOC.	Surface water (Hockanum River) upgradient of the AOC	Phase I ESA (2017) Phase III ESA (2018)	Remedial evaluation pending the completion of the Phase III investigation.
8	Current Substation	PCBs, ETPH, Metals,	Possible leaks or spills from transformers	Surface soils Subsurface Soils If significant release: groundwater	TB-34 TB-38 TB-39S TB-32 MW-8S	SS-100 to SS-106 HA-01 to HA-11 SB-43 SB-44	MW-8S	MW-2SR, MW-2D, MW-2BR, MW-5S, MW-5D, MW-8SR, MW-16S, MW-17S, MW-25S, MW-32S, MW-33S, MW-34S, MW-35S, MW-36S	PAHs and metals detected. Fill (sand) observed	Arsenic and ETPH above RES and I/C DEC in SS-100, SS-101, SS-104 and SS-106. PAHs, ETPH, and lead above the RES and I/C DEC and GB PMC in SS-102. PCBs detected. PAHs, ETPH, and arsenic above the RES and I/C DEC and/or GB PMC in SS-103. Cyanide detected. ETPH also above RES DEC, I/C DEC and GB PMC in SS-104 and Res DEC in SS- 106. PAHs above RES and I/C DEC and GB PMC in SS-100, SS-104, SS-105 and SS- 106. HA-01 through HA-07, HA-08 and HA-09: SEH investigation (See AOC 6) . PAHs above the RES and I/C DEC in HA-01 through HA-09. SEH Condition Notification Threshold Concentration for benzo(a)pyrene delineated see AOC-9. Fill observed in top 2 feet of soils. HA-09A: ETPH exceeds RES DEC, arsenic exceeds the RES and I/C DEC. PAHs exceed RES DEC, I/C DEC and GB PMC. Cyanide detected. PCBs not detected. HA-10: ETPH and PAHs exceed RES DEC, I/C DEC and GB PMC. Cyanide detected below RES DEC and GB PMC. Arsenic exceeds the RES and I/C DEC HA-11: Arsenic exceeds the RES and I/C DEC. ETPH detected. ETPH above RES DEC in MW-35S & MW-36S and above RES & I/C DEC in MW- 32S Arsenic above RES & I/C DEC in MW-35S and MW-36S PAHs above RES & I/C DEC and GB PMC in MW-32S, MW-33S, MW-34S, MW- 35S, and MW-36S. Benzo(a) pyrene detected above the SEH Condition Notification Threshold Concentration in SB-76 (0-2 ft.) and SB-78 (0-1 ft.) Visual Impacts (Appear to be associated with AOC -1) 12- 15 ft.: Petroleum odor and sheen 24.5-26: Faint tar odor	MW-8S: Metals detected above the SWPC. Cyanide detected.	**Shallow:** MW-2SR: Not sampled due to visual observations of tar globules (2017). PAHs detected above SWPC. VOC (naphthalene detected). MW-5S: PAHs detected above SWPC. ETPH detected above the SWPC, RES VC and I/C VC. VOCs, and metals detected. MW-8SR: PAHs detected above the SWPC. Elevated metals detected. Possibly associated with turbidity in sample. MW-16S: Metals and VOC (Chloroform) detected . MW-17S: VOCs (tetrachloroethene)and ETPH detected below SWPC. Metals detected. MW-33S: acenaphthylene detected above SWPC and ETPH above SWPC, RES VC and I/C VC. MW-34S; ETPH above SWPC, RES VC and I/C VC and PAHs (acenaphthylene, Benz(a)anthracene, chrysene) detected above the SWPC MW-35S: ETPH , MA VPH, MA EPH and PAHs above SWPC. ETPH and MA VPH above Res VC. VOC (naphthalene) detected above the SWPC. (associated with AOC-3). **Deep:** MW-2D: Not sampled due to visual observations of tar globules. MW-5D: Metals and ETPH detected **Bedrock:** MW-2BR: PAHs detected below the SWPC. Metals detected.	Surface water (Hockanum River) located adjacent but up gradient of location.	Phase I ESA (2017) Phase II Investigation (1992) Phase III ESA (2016-2020)	Phase III ESA and pre-design sampling is needed for this AOC. Remedial evaluation pending the completion of the Phase III investigation.

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9	Historic Site Fill	VOCs, SVOCs, Metals, PCBs, ETPH	Historic placement of fill during the development of Site.	Surface soils Subsurface soils	TB-02, TB-03,TB-04, TB-06, TB-13, TB-14, TB-16, TB-17, TB-18, TB-19, TB-20, TB-21, TB-22, TB-27, TB-31, TB-32, TB-33, TB-34, TB-38, TB-39, TB-40, TB-42, TB-45, TB-47, MW-02D, MW-04D, MW 05S, MW- 05D, MW-10S, MW-10M, MW- 10D Historic fill was identified in multiple borings which overlap with other AOCs	On-site soils borings, SS-100 to SS-107, SB-76 to SB-83, TP-01 to TP-07, HA-01 to HA -18, SB-78A to D, SB-76A to D, SB-76A1 Historic fill was identified in multiple borings which overlap with other AOCs	Not Applicable	Not Applicable	Fill (i.e., ash and bricks observed)	Fill (i.e., ash, bricks, slag, metals, glass, building debris, coal, and site fill) and former MGP plant foundations observed in several Phase III investigation locations. Fill as deep as 15 ft. Concentrations of COCs including PAHs, ETPH, and metals above RSR criteria covered under separate AOCs. Concentrations of benzo (a) pyrene above SEH Threshold Notification Concentration delineated in SS-102, HA- 01A, HA-02 HA-03, HA-18, SB-76, SB-78 and SB-76A. The extent of SEH exceedances around SB-78 and SB-76 was delineated during sampling performed in March 2022 (SB-78A to D and SB-76A to D) and December 2022 (SB-76A1)	Wells screened below fill (See AOC-15)	Wells screened below fill (See AOC-15)	Surface water (Hockanum River) located adjacent but up gradient of location.	Phase I ESA (2017) Phase II Investigation (1992) Phase III ESA (2018-2020) Phase II/III ESA (2022)	Phase III ESA and pre-design sampling is needed for this AOC. Remedial evaluation pending the completion of the Phase III investigation. Soils in the vicinity of SB 78 were excavated and disposed of in May 2022.
10	Hockanum River Sediment	PAHs and Metals	Possible historic discharges to the river from the Site, historic discharges from up gradient industries, current storm water run-off and anthropogenic sources.	Sediment	R-Sed-A/B/C/D Sediments (A,B,C, D)	River Sediment Samples SED-01 SED-02 SED-03 SED-04 SED-05 SED-06 Outfall Sediment Samples SED-07 SED-08 SED-09 Background Sediment Samples SED-101 SED-102 SED-103 SED-104 SED-105	Not Applicable	SW-01 SW-02 SW-03 SW-04 Background Surface Water Samples SW-100 SW-101	PAHs and metals detected above sediment screening criteria. VOC (methylene chloride) detected.	River Sediment Samples ETPH, PAHs, and metals detected. Highest PAH concentrations were detected upstream at SED-01. ETPH detected in all sediment samples. Metals detected in all sediment samples. Elevated copper, lead and zinc detected in SED-06. SED-06A, B, C were collected in the vicinity of SED-06. Outfall Sediment Samples VOC (toluene), ETPH, PAHs and metals were detected. Background Sediment Samples PAHs, ETPH and metals detected in SED-101 through 105.	Not applicable	COCs not detected in groundwater. Barium detected below SWPC in adjacent monitoring wells.	Barium detected in all surface water samples. Chromium detected in SW-01 and SW-02, Zinc detected in SW- 01, SW-02, SW-03, and SW-04 Background surface water samples: Barium detected.	Phase I ESA (2017) Phase II Investigation (1992) Phase III Investigation (2017- 2020)	Investigation is completed. SLERA is currently being prepared and will be submitted to CTDEEP for review
11	Coal Tar impacts and Fill Observed at TB-33 (Southwestern portion of Site)	VOCs (BTEX), SVOCs, Total Cyanide, ETPH	Historic placement of fill.	Surface soils Subsurface Soils Groundwater	TB-33 TB-34 MW-5S MW-5D	SB-11 SB-36 SB-37 SB-38 SB-39 SB-40 SB-41 SB-42 SB-53 MW-16S MW-17S SB-69 SB-70 SB-71 MW-31S (boring)	MW-5S MW-5D	MW-5S MW-5D MW-16S MW17S MW-30S MW-38S MW-39S MW-31S	VOCs, PAHs and metals detected. Fill (sand) with tar observed.	ETPH and PAHs detected above RES and I/C DEC and GB PMC in SB-11. Naphthalene (VOC) detected above GB PMC and arsenic and lead detected above RES and I/C DEC in SB-11. Fill (Ash and Slag) observed in SB-11, SB-36, SB-39 ,SB-40, SB-40A, SB-69, SB- 70, SB-71 to approximately 5 feet. SB-11: Sheen and tar odor observed from 5 to 8 feet. SB-36: Tar odor 12 to 20 feet. Sheen 15 to 20 feet. SB-38: sheen and tar odor 10 to 11 feet. SB-40: sheen and tar odor 8 to 15 feet. SB-69: ETPH above RES & I/C DEC & GB PMC, arsenic above RES & I/C DEC 1 to 3 feet. PAHs above RES & I/C DEC & GB PMC 1 to 3 feet and 4 to 5 feet. SB-70: Arsenic above RES & I/C DEC. PAHs above RES & I/C DEC & GB PMC 3 to 4 feet. SB-71: ETPH above RES DEC & GB PMC 1 to 3 feet and 8 to 10 feet. PAHs above RES & I/C DEC & GB PMC 1 to 3 feet, 5 to 7 feet and 8 to 10 feet.	MW-5S: PAH (Acenaphthylene) detected above the SWPC. VOC (xylene) and metal (chromium) detected. MW-5D: VOC (Benzyl Alcohol) and metals detected above SWPC. SVOC (2-methylphenol) detected.	**Shallow:** MW-5S: ETPH and VOCs detected below SWPC. PAHs detected above SWPC. Metals detected. MW-16S: Metals and Chloroform (VOC) detected MW-17S: VOC (tetrachloroethene), ETPH detected below SWPC. Metals detected. MW-30S: ETPH and acenaphthylene above SWPC. ETPH above RES VC MW-31S: Metals detected MW-38S & MW-39S: Acenaphthylene above SWPC MW-39S: ETPH detected above the SPWC, RES VC and I/C VC **Deep:** MW-5D: Metals and ETPH detected	Surface water (Hockanum River) located adjacent but up gradient of location.	Phase I ESA (2017) Phase II Investigation (1992) Phase III Investigation (2016- 2018)	Remedial evaluation pending the completion of the Phase III investigation.

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12	Tar impacts and Fill Observed (Southeastern portion of Site)	VOCs (BTEX), SVOCs, Total Cyanide, ETPH	Historic placement of fill (AOC-13). Possible migration for spills or leaks from adjacent Retorts (AOC-1) or Purifying House (AOC- 2).	Surface soils Subsurface Soils Groundwater	CSS-5 TB-2 TB-3 TB-24 TB-28 MW-6S MW-6D	SB-08 SB-09 SB-09A SB-10 SB-24 SB-32 SB-33 SB-48 SB-49 SB-50 SB-51 SB-82 SS-107 SS-108 HA-17 HA-18 SB-76 to SB-82	MW-2S MW-2D MW-6S MW-6D	MW-2SR MW-2D MW-2BR MW-6S MW-6D	Surface Soil: PAHs exceeded the Res DEC and GB PMC. Subsurface soils: VOC(methylene chloride), SVOCs, cyanide, and metals detected. Fill (ash and sand fill), Tar impacts sheen observed.	PAHs detected above RES and I/C DEC and GB PMC in SB-08, SB-09A. PAHs detected above the RES DEC and GB PMC in SB-24. ETPH detected above RES DEC in SB-09A. Concentrations of PAHs and ETPH were detected above the RES DEC, I/C DEC and/or the GB PMC in SB-32 and SB-51. Concentrations of arsenic were detected in above the RES DEC and I/C DEC. HA-17: ETPH and cyanides detected. PAHs detected above the RES DEC., I/C DEC and GB PMC. Lead above the GB PMC. HA-18: ETPH, PAHs above the RES DEC/ I/C DEC and GB PMC. Benzo (a) pyrene above the SEH Threshold Notification Concentration. SB-76: to SB-82: PAHs above the RES DEC/ I/C DEC and GB PMC SB-79: Benzene above GB PMC 1-2 ft, PCE above GB PMC and RES DEC 1-2 ft, GB PMC 3-4 ft and 5-6 ft SB-81: Dieldrin above GB PMC 0-1 ft SB-82: ETPH above RES DEC, I/C DEC, and GB PMC 2-3 ft SB-08: Staining and fuel oil odor 11 to 2 ft. Staining and tar odor from 24 to 29 ft. SB-10: Sheen and tar odor 9 to 24.5 ft. SB-33: tar odor 7 to 11 ft. Sheen, blebs and tar odor 11.5- 20 ft. SB-50: Tar from 11-12 ft. Sheens and tar blebs were observed from 15 to 17 feet. sheens and tar odors were observed from 17 feet to 25 feet SB-51: petroleum orders and grey staining from 14 to 17 feet. Sheen, tar blebs and/or tar odors were observed from 17 to 20 feet. Fill (brick, glass, slag, and/or ash) observed in SB-08, SB-09A and SB-24, SB-32, SB-33, SB-48 to SB-51, and SB-76 to SB-82.	MW-2S: Dry. MW-2D: Metals and PAHs detected above the SWPC and VOCs (xylene and ethylbenzene detected). MW-6S: Metals detected above the SWPC. SVOC (bis2-ethylhexylphthalate) detected.	**Shallow:** MW-2SR: Not sampled due to visual observations of tar globules (2017). MW-6S: Naphthalene and metals detected below the SWPC. **Deep**: MW-6D: PAHs detected below SWPC. Metals detected. MW-2D: Not sampled due to visual observations of tar globules **Bedrock:** MW-2BR: PAHs detected below the SWPC. Metals detected.	Hockanum River located adjacent but up gradient of location.	Phase I ESA (2017) Phase II Investigation (1992) Human Health Risk Assessment (1994) Phase III Investigation (2016- 2020)	Remedial evaluation pending the completion of the Phase III investigation.
13	Possible Historic Fill to the south of the Hockanum River	PAHs	Possible historic placement of fill.	Surface Soil Subsurface Soil	SS-5A, SS5B, SS-5C, SS-5D TBX2 TB-63 and TB-64	SB-25 SB-26 SB-27 SB-54 SB-55 SB-56 SB-57	MW-11S MW-11D MW-12S MW-12D	MW-11S MW-11D MW-12S MW-12D	Surface soil and shallow subsurface soils: PAHs exceeded the RDEC, IDEC and GB PMC.	Surface Soil: PAHs detected above RES and I/C DEC and GB PMC in SB-25, SB-54 and SB-55. Cyanide was detected in SB-54 and SB-55, Metals were detected in SB-54, SB-55, SB-56, and SB-57. SPLP metals were detected in SB-54 and SB-57. Fill (slag and/or ash) observed in SB-26, SB-27, SB-54, SB-55, SB-56, and SB-57.	MW-11S/ MW-11D MW-12S / 12D No analytical data	**Shallow:** MW-11S/ MW-12S: Metals detected **Deep:** MW-11D/ MW-12D: Metals and/or pyrene (PAH) detected	Hockanum River located adjacent and downgradient.	Phase II Investigation (1992) Human Health Risk Assessment (1994) Phase III Investigation (2017- 2018)	Remedial evaluation pending the completion of the Phase III investigation.

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AOC #	AOC Description	COCs	Possible Release Mechanisms and Migration Pathways	Potentially Affected Media	Previous Investigation Soil Locations	Phase II/III Soil Locations	Previous Investigation Groundwater Locations	Phase III Investigation Groundwater Locations	Previous COCs in Soil	Phase II/III COCs in Soil	Previous COCs in Groundwater	Phase III COCs in Groundwater	COCs in Surface Water	Investigation Status	Remediation Status
14	Tar impacts and Fill Observed (Northern portion of Site)	VOCs (BTEX), SVOCs, Total Cyanide, ETPH	Impacted area to the north of former Gas Holders #1 and #2, Possible migration for spills or leaks from adjacent holders that migrated northward.	Surface soils Subsurface Soils Groundwater	TB-12, TB-36, TB-37,TB-40, TB-42 TB-46, TB- 49A,TB-50, TB-51, TB-52, TB-53, TB-54, TB-55 TB-55A, TB-56, TB-58 , TB-59, TB-60, TB-61, TB-62, MW-1, MW-3S, MW-3D, MW-4S, MW-7S TBX5, TBX6 SS-3B. SS3-C, SS3-E, SS3-D, SS1-C, CSS-1, CSS-2	SB-01 SB-12 SB-13 SB-20 SB-21 SB-22 SB-45 SB-59 SB-60 (off-site) SB-64 (off-site) SB-68 SB-73 SB-74 SB-75 MW-37S/D MW-03DR	MW-1S, MW-1D, MW-3S, MW-3D, MW-4S, MW-4D	MW-1S, MW-1D, MW-3S, MW-3D, MW-3DR MW-3BR, MW-4S, MW-4SR, MW-4D, MW-7S, MW-7D, MW-18D, MW-24S, MW-25S, MW-37D, MW- 37BR	Surface Soil: PAHs detected above the Res DEC and GB PMC. Metals and cyanide detected. Subsurface soils: SVOCs detected above the Res and I/C DEC and GB PMC and VOCs and pesticide (lindane) detected above the GB PMC. Metals detected. Fill observed and tar odors and tar sheen.	Shallow Subsurface Soils: PAHs detected in SB-21 above the RES DEC, I/C DEC and GB PMC. SPLP PAHs were not detected indicating PAHs are not leachable. PAHs detected in SB-22. PAHs, ETPH, VOCs, cyanide were not detected in SB-01, SB -12 and SB-13 in samples collected just above apparent water table. Elevated concentrations of ETPH, VOCs, and SVOCs detected in SB-13 (25.5- 27.5') below water table (~15ft.) SB-45: Metals detected SB-59: PAHs, Cyanide, and VOCs detected Fill observed: Brick observed at 0.5-3.0 ft. in SB-21 and SB-59. Tar impacts were encountered SB-12: from 25-30 ft. (Staining, sheen and coated soils) and 37.5-39ft. (Strong tar odor) SB-13: 20-39 ft. (Staining and heavily tar coated soils and odors) SB-01: 29 to 31 ft. Sheen and tar odor. SB-45: Tar odors 30-41 ft. Tar blebs observed from 30-38 ft. SB-59: Coal and slag 2-3 ft. Tar odors 30 to 45 ft. PAHs,VOCs, and cyanide detected (2 to 3) SB-60: Tar odor 40 to 45 ft. Naphthalene and Xylene (VOCs) detected. SB-64: No visual impacts or odors. MW-37S/D: Sheen and odors observed below water table. SB-68: Tar product observed (23-34 ft), sheen observed (23-59 ft). VOCs, PAHs, and ETPH detected MW-03DR: Tar product observed in auger cuttings (23')	**Shallow:** MW-1S:Metals detected above the SWPC. MW-3S: Metals and PAHs detected above the SWPC. VOCs detected. MW-4S: Metals detected above the SWPC. cyanide, VOCs (1,1,1-TCA) and SVOC (bis2-ethylhexylphthalate) detected. **Deep:** MW-1D: Metals detected above the SWPC. SVOCs detected. MW-3D: Metals detected above the SWPC. SVOCs and VOC (1,1,1-TCA) detected. MW4D: Lead detected above the SWPC.	**Shallow:** MW-4S: Cyanide, metals, VOCs, and PAHs detected MW-4SR: Acenaphthylene (PAH) detected above the SWPC. Cyanide detected. MW-25S: Cyanide, metals, and PAHs detected MW-3S/MW-7S: Metals and VOCs detected. PAHs and ETPH detected above the SWPC MW-1S: Metals, ETPH and PAHs detected above the SWPC. MW-24S: Measurable tar observed in well. **Deep:** MW-1D: ETPH and VOCs detected. PAHs and metals (copper and nickel) detected above the SWPC. MW-3DR: ETPH and acenaphthylene detected above SWPC. MW-4D/MW-7D: Metals detected. MW-18D: ETPH, VOCs, and PAHs detected above the SWPC. Metals detected. MW-37D: Metals detected. **Bedrock:** MW-3BR: PAH (acenaphthylene) above SWPC. ETPH and VOCs detected. Metals detected. MW-37BR: Metals and VOCs detected.	Hockanum River is located up gradient on - site	Phase I ESA (2017) Phase II (1990/1991) Human Health Risk Assessment (1994) Phase III ESA (1996-2020)	Additional Phase III ESA investigation is proposed to assess the seasonal groundwater conditions and assessment of the recoverability of tar. Remedial evaluation pending the completion of the Phase III investigation.
15	Site wide groundwater impacts	VOCs, SVOCs, Metals, PCBs, ETPH, Chromium, Barium, ETPH	Groundwater impacts from spills or leaks occurring at the site. Groundwater flows to the north away from the Hockanum River.	Groundwater	NA	NA	MW-1S, MW-1D, MW-2S, MW-2D, MW-3S, MW-3D, MW-4S, MW-4D, MW-5S, MW-5D, MW-6S, MW-6D, MW-8S, MW-9S, MW-9D, MW-10S, MW-10M, MW- 10D, MW-11S, MW-11D, MW-12S, MW-12D	MW-1S, MW-1D, MW-2SR, MW-2BR, MW-2D, MW-3S, MW-3BR, MW-4S, MW-4SR, MW-4D, MW-5S, MW-5D, MW-6S, MW-6D, MW-7S,MW-7D, MW-8SR, MW-9S, MW-9D, MW-10SR, MW-10M, MW- 10BR,MW-11S, MW-11D, MW-12S, MW-12D, MW-16S, MW-17S, MW-18D, MW-19S, MW-24S, MW-25S, MW-26S, MW-26D, MW-26BR, MW-27S, MW-28S, MW-29S, MW-29D, MW-30S, MW-33S, MW-34S, MW-35S, MW-36S, MW-37D, MW-37BR, MW- 38S, MW-39S	See AOCs above for site investigation information for soils	See AOCs above for site investigation information for soils	**Shallow:** ETPH, VOCs, PAHs, metals, and Cyanide above the SWPC. See above AOCs for individual wells **Deep:** ETPH, VOCs, PAHs, metals, and Cyanide above the SWPC.. See above AOCs for individual wells	**Shallow:** ETPH, VOCs, PAHs, and /or Cyanide above the SWPC. in MW-1S, MW-5S, MW7S, MW-8SR, MW-9S, and MW- 10M, MW-29S, MW-30S, MW-33S, MW-34S, MW-35S, MW-38S, and MW-39S. See above AOCs for individual well summary of COCs. Tar globules and staining observed in MW-2S, MW-10SR, and MW-24S during development. Measurable tar observed in MW-10SR and MW-24S **Deep:** VOCs, ETPH, PAH (acenaphthylene) above the SWPC in MW-18D. MW- 3DR: ETPH and acenaphthylene detected above SWPC. Tar globules and staining observed in MW-2D, MW-3D and MW-10D **Bedrock:** PAH (acenaphthylene) above SWPC [MW-3BR] . ETPH and VOCs detected. Metals detected. See AOCs above for individual well information.	Hockanum River is located up gradient on - site/ Losing Stream	Phase I ESA (2017) Phase II Investigation (1992) Phase III Investigation (2016- 2020)	Additional Phase III ESA investigation is proposed to assess the seasonal groundwater conditions

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Off-site AOCs															
16	Off-site Tar Impacts St. Josephs School/Church Parking Lot	VOCs (BTEX), SVOCs, Total Cyanide, ETPH	Tar impacted area to the north of the property line. Possible migration of impacts to the north from the MGP. Shallow fill possible in the development of the property.	Subsurface Soils Groundwater Surface soils	Soil Borings TB-113, TB-115, TB-116, TB-117, TB-118, TB-119, TB-120, TB-121, TB-125, TB-126, TB-127, TB-130 Surface Soil R426-A, R426-B, R426-C, R426-D R437-A R437-B, R437-C, R437-D R438-A, R438-B, R438-C, R438-D R446-A, R446-B, R446-C, R446-D R452-A, R452-B, R452-C, R452-D	SB-14, SB-15, SB-16, SB-17, MW-19S, MW-20S, SB-61, SB-62, SB-66, SB-67, MW-29D, MW-14M (Boring) MW-40S (Boring) MW-41S (Boring) MW-42S (Boring) MW-43S/M (Boring)	MW-13S, MW-13D, MW-14S, MW-14D	MW-13S, MW-13D, MW-14S, MW-14M, MW-14D, MW-19S, MW-20S, MW-21S, MW-26S, MW-26D, MW-26BR, MW- 29S, MW-29D, MW-40S, MW-41S, MW-42S, MW-42M, MW-43S, MW-43M	Subsurface soils: PAHs detected above the GB PMC VOCs (ethylbenzene, toluene, and xylene detected). Fill observed. Sheens and/or isolated lens of coal tar were observed in soil borings TB-115 through TB-120 and TB-126 at depths ranging between 21.6 to 42 feet below grade. Surface Soil: PAHs detected above the Res DEC and GB PMC along West Street	PAHs, ETPH, VOCs, cyanide were not detected in SB-14, SB-15, SB-16, SB-17 in samples collected just above apparent water table. EPTH, VOCs, and PAHs detected in the deep soil samples collected from SB-14 and MW-20S within tar-impacted intervals below the water table. SB-14: 20.5-23 ft. coated with tar material with tar odors. SB-61: 22.5-44 ft. tar blebs, odors, and sheen. SB-66: 20-30 ft. tar odors. SB-15: 31.5-34 ft. veins coated with tar. MW-20S: 35-38 ft. black stained and sheen with tar odor. No visual impacts in SB-62 and SB-67. Slight tar like odor observed in MW-29D, no visual impacts. Low level detections of benzene and naphthalene. Detections of tar-related VOCs in MW-40S, MW-41S, and MW-42S detected below the water table.	**Shallow:** MW-13S: Copper detected above the SWPC. Metals, SVOC (bis2-ethylhexylphthalate) detected .MW-14S: Metals detected **Deep:** MW-13D: Metals detected. MW-14D Metals detected. VOC (tetrachloroethylene) and SVOC (bis2-ethylhexylphthalate) detected.	**Shallow:** MW-13S: Metals and bis2-ethylhexylphthalate) MW-14S: PAHs, metals and cyanide detected. MW-19S: Metals detected MW-21S: Metals and PAHs detected MW-20S: Tar globules / staining in MW-20S. MW-29S: ETPH and benzene above SWPC and RES & I/C VC. Benzene and ETPH in compliance with the RES VC via soil vapor testing. Naphthalene above SWPC. MW-41S: ETPH was detected above SWPC and RES & I/C VC. ETPH is in compliance with the RES VC via soil vapor testing. Acenaphthylene above SWPC. PAHs, metals, and VOCs detected MW-42S: VOCs and ETPH not detected. Phenanthrene, barium, and chromium detected. MW-43S: VOCs and ETPH not detected. Phenanthrene and barium detected. MW-26S: ETPH , VOCs and PAHs not detected. Barium detected. **Intermediate:** MW-14M: ETPH above SWPC . Elevated concentrations of benzene and tar-related VOC detected. Acenaphthylene above SWPC. MW-42M: ETPH above GWPC and SWPC, Benzene above GWPC. PAHs, tar -related VOCs, metals (barium, thallium, zinc). detected **Deep:** MW-14D: ETPH, cyanide, Acenaphthylene (PAH) above SWPC. Metals and VOCs detected. MW-13D: Metals and naphthalene detected MW-26D: Acenaphthylene above SWPC. Metals and VOCs detected. MW-43M: VOCs, PAHs and ETPH not detected. Barium, nickel, and zinc detected. **Bedrock:** MW-26BR Naphthalene and barium detected	Hockanum River is located upgradient on-site and approximately 600 feet to the west.	Phase II (off-site) 1993 Phase III Investigation (2017-2020)	Additional Phase III ESA investigation is proposed to further assess seasonal groundwater conditions at St. Joseph's Church property and the extent of off-site groundwater impacts in intermediate groundwater zone.
17	Off-site Tar Impacts Maple Street ROW	VOCs (BTEX), SVOCs, Total Cyanide, ETPH	Impacted area within the Maple Street ROW from 15 to 32 feet. Possible migration of impacts from the Retorts (AOC-1) Former Gas Holders #1, #2, (AOCs 3,+). Possible off-site fuel oil impacted in TB-101 and TB- 103 from up gradient source of fuel oil.	Subsurface Soils Groundwater	TB-97, TB-99, TB-101, TB-103, TB-104, TB-105, TB-106, TB-111A, TB-11B, and TB-111C	SB-18, SB-19, SB- 64	Groundwater not investigated	MW-28S MW-23S	Subsurface Soils had concentrations of VOCs, SVOCs, pesticides (Aldrin, alpha- BHC, and 2-Hexanone) at concentrations above the GB- PMC but were located below the water table. Cyanide and metals were detected. Tar impacts (sheen and odors) encountered from 15 to 32 feet.	ETPH, VOCs, and PAHs detected in SB-18 above the GB PMC. The DEC does not apply to SB-18 due to the sample depth greater than 15'. SPLP VOCs and PAHs detected. Petroleum staining/ sheen and odors 19-23ft. Tar staining/ odors from 24-29 ft. ETPH and PAHs were detected above the RES and I/C DEC and GB PMC in SB-19. Petroleum staining/ sheen and odors 11-19 ft. Tar staining/ odors from 19-26.5 ft. ETPH, PAHs, and VOCs were not detected in SB-64 No visual impacts in SB-64	Groundwater not tested.	MW-23S: Metals detected MW-28S: Metals and naphthalene detected	Hockanum River located up gradient of location.	Phase II (off-site) 1993 Phase III Investigation (2018)	Off-site petroleum impacts are noted within the Maple Street ROW. Petroleum impacts also ere noted at #12 and #14 Maple Street. Impacts could be associated with former 1,000-gallon UST at former 8 Maple Street residence or other off-site source. Remedial evaluation impacts will be assessed in the Remedial Evaluation.

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18	Petroleum Impacts #12 and #14 Maple Street	VOCs (BTEX), SVOCs, ETPH	Petroleum-impacted soils from 15 to 27 feet below grade from an up gradient source that migrated via groundwater flow onto the properties.	Subsurface soils Groundwater	TB-203, TB-204, TB-206, TB-219, TB-221, TB-224 (#8 Maple Street) TB-200 and TB-217 (#12 Maple Street)	Not investigated during Phase III	Groundwater not investigated	MW-23S	Subsurface soils contained detections of PAHs. Boring log was not available during the CSM development.	Not investigated during Phase III	Groundwater not tested.	**Shallow:** Adjacent USPS ROW: MW-23S: VOC (chloroform) and metals detected below SWPC	Hockanum River located up gradient of location.	Phase II (off-site) 1994 Phase III Investigation (2018)	Phase I ESA identified a 1,000 leaking underground storage tank used for heating oil at the former 8 Maple Street Residence.
19	Suspected Fill #12 and #14 Maple Street	PAHs	PAHs detected in the shallow subsurface soils (TB-217) possibly from historic fill used in the development of the property.	Surface soils Subsurface soils	TB-217	Not investigated during Phase III	Groundwater not investigated	MW-23S	Subsurface soils contained detections of PAHs, with a detection of (Benzo (a)pyrene) above the Res DEC, I/C DEC and GB PMC. Boring log was not available during the CSM development to assess for presence of fill.	Not investigated during Phase III	Groundwater not tested.	**Shallow:** Adjacent USPS ROW: MW-23S: VOC (chloroform) and metals detected below SWPC	Hockanum River located up gradient of location.	Phase II (off-site) 1994 Phase III Investigation (2018)	Possible historic fill associated with the development of property or potential off-site source.
20	Off-site Tar Impacts (Residence #14 Maple Street)	VOCs (BTEX), SVOCs, Total Cyanide, ETPH	Tar-impacted soils (sheen and odor) between 30 and 37 feet. Tar migrated beneath Maple Avenue onto the western portion of the property.	Subsurface soils Groundwater	TB-207, TB-210, TB-211, TB-215, MW-15D	Not investigated during Phase III	MW-15S MW-15D	MW-23S	Subsurface soils contained detections of VOCs and PAHs at concentrations above the GB PMC. However, these impacts are likely below the water table and the GB PMC is not applicable.	Not investigated during Phase III	MW-15S: Metals and cyanide exceeded SWPC. VOC (MTBE detected). MW-15D: Metals detected above the SWPC.	**Shallow:** Adjacent USPS ROW: MW-23S: VOC (chloroform) and metals detected below SWPC	Hockanum River located up gradient of location.	Phase II (off-site) 1994 Phase III Investigation (2018)	Access to property was not provided. Tar impacts were assessed with a soil boring within Maple Street ROW (AOC-17) Remedial evaluation pending the completion of the Phase III investigation.
21	Off-site Surface Soils Maple Street School [PAHs Detected above RSR Criteria]	PAHs	PAHs detected in surface soils and shallow subsurface soils at the Maple Street School property.	Surface soils	R453, R454, R455, R456 R501-A, R-501-B, R-501-C, R-501-D R502-A, R-502-B, R-502-C, R-502-D R503-A, R-503-B, R-503-C, R-503-D R504-A, R-504-B, R-504-C, R-504-D R505-A, R-505-B, R-505-C, R-505-D R506-A, R-506-B, R-506-C, R-506-D	Not investigated during Phase III	Groundwater not investigated	Groundwater not investigated	Surface soils and shallow subsurface soils	Not investigated during Phase III	Groundwater not tested.	Groundwater not tested.	Hockanum River located up gradient of location.	Phase II-Surface Soil collection in 1995	Possible historic fill associated with the development of the school property or potential off-site source.
22	Off-site Surface Soils 175 Union Street [PAHs Detected above RSR Criteria]	PAHs	PAHs are detected in surface soils at nearby off-site properties (175 Union Street and Tolland AWC)	Surface soils	R426-A,R426-B,R426-C, R426-D R437-A,R437-B,R437-C, R437-D R438-A,R438-B,R438-C, R438-D R446-A,R446-B,R446-C, R446-D R452-A,R452-B,R452-C, R452-D RBG2-B and RBG2-C	Not investigated during Phase III	Groundwater not investigated	Groundwater not investigated	Surface soils and shallow subsurface soils	Not investigated during Phase III	Groundwater not tested.	Groundwater not tested.	Hockanum River located up gradient of location.	Phase II-Surface Soil collection in 1995	Possible historic fill associated with the development of the property or potential off-site source.

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23	Off-site Groundwater Impacts	VOCs	Groundwater impacts from spills or leaks occurring at the site and migrating offsite.	Groundwater	NA	See AOC 16	MW-13S, MW-13D, MW-14S, MW-14D, MW-15S, MW-15D, MW-19S, MW-20S, MW-21S, MW-23S	MW-13S, MW-13D, MW-14S, MW-14D, MW-19S, MW-20S, MW-21S, MW-23S, MW-26S, MW-26D, MW-26BR, MW- 27S, MW-28S, MW-30S, MW-31S, MW-40S, MW-41S, MW-42M, MW-42M, MW-43S, MW-43M, MW-44S, MW-44M, MW-45S, MW-45M, MW-46M Soil Vapor Assessment SV-01, SV-02, SV- 03, SV-05	Soils not assessed	See AOC 16	**Shallow:** Metals and cyanide detected above SWPC. VOCs and PAHs detected **Deep:** Metals detected above SWPC. VOCs and PAHs detected	**Shallow:** Tar globules / staining in MW-20S. MW-19S/MW-21S/MW-28S: metal and PAHs detected. MW-13S and MW-26S (Plasticizers detected -possible lab contamination) MW-27S: ETPH, metals, and naphthalene detected. MW-23S: Metals detected MW-14S: Cyanide, metals, and PAHs detected. MW-31S: Barium and nickel detected MW-29S: ETPH and benzene above SWPC and RES & I/C VC. Benzene and ETPH in compliance with the RES VC via soil vapor testing. Naphthalene above SWPC. MW-44S & MW-45S PAHs above GWPC MW-41S: ETPH was detected above SWPC and RES & I/C VC. ETPH is in compliance with the RES VC via soil vapor testing. Acenaphthylene above SWPC. PAHs, metals, and VOCs detected MW-42S: VOCs and ETPH not detected. Phenanthrene, barium, and chromium detected. MW-43S: VOCs and ETPH not detected. Phenanthrene and barium detected. MW-26S: ETPH , VOCs and PAHs not detected. Barium detected. **Intermediate:** MW-14M: ETPH above SWPC . Elevated concentrations of benzene and tar-related VOC detected. Acenaphthylene above SWPC. MW-42M: ETPH above GWPC and SWPC, Benzene above GWPC. PAHs, tar -related VOCs, metals (barium, thallium, zinc). detected. MW-43M: VOCs, PAHs and ETPH not detected. Barium, nickel, and zinc detected. MW-43M: Nickel above GWPC. MW-44M & MW-45M: PAHs above GWPC. **Deep:** MW-14D: metals and VOCs detected. ETPH, Cyanide, and PAHs detected above the SWPC. MW-26D metals and tar-related VOCs detected, PAH (acenaphthylene) detected above SWPC. ETPH not detected. **Bedrock:** MW-26BR Naphthalene and barium detected. VOCs and ETPH not detected.	Hockanum River is located upgradient on-site and approximately 275 feet to 400 feet to the west.	Phase II (off-site) 1994 Phase III ESA (2018-2023)	Additional Phase III ESA investigation completed to assess seasonal groundwater conditions at St. Joseph's Church property and to assess the nature and extent of groundwater impacts to the west of West Street. Downgradient conditions compliant with SWPC. Downgradient concentrations in groundwater are below the calculated alternate GWPC (intented to be utilized for groudnwater plum deliniation) and therefore, no furthur investigation is warranted.

Notes:
MGP = manufactured gas plant VOC = Volatile Organic Compound
BTEX = Benzene, toluene, ethyl benzene and xylenes ETPH- Extractable Total Petroleum Hydrocarbons PAH = Polycyclic Aromatic Hydrocarbon
TPH = Total Petroleum Hydrocarbons PCBs= Polychlorinated Biphenyls
SWPC = Surface Water Protection Criteria
Res DEC = Residential Direct Exposure Criteria
I/C DEC = Industrial Commercial Direct Exposure Criteria
CSM = Conceptual site model, described by the Connecticut Department of Environmental Protection as "a representation of an environmental system that is used as a tool for understanding and for explaining to others the basis and rationale for site investigation and the conclusions drawn about the environmental conditions at a site. A CSM describes, explains, and provides and understanding of the nature and distribution of contaminants necessary to evaluate potential risks to human health and the environment. The CSM is an iterative approach to site characterization. The number of iterations and quantity and quality of information is a function of the complexity of site conditions and data quality objectives". This interim CSM is subject to change.
AOC = Area of concern, defined by the Connecticut Department of Environmental Protection as "locations or areas at a site where hazardous waste and or hazardous substances (including petroleum products) have been used, stored, treated, handled, disposed, spilled, and/or released to the environment."

Figures

Figure 1 Site Location Map

Figure 2 Site Layout and Historical Structures

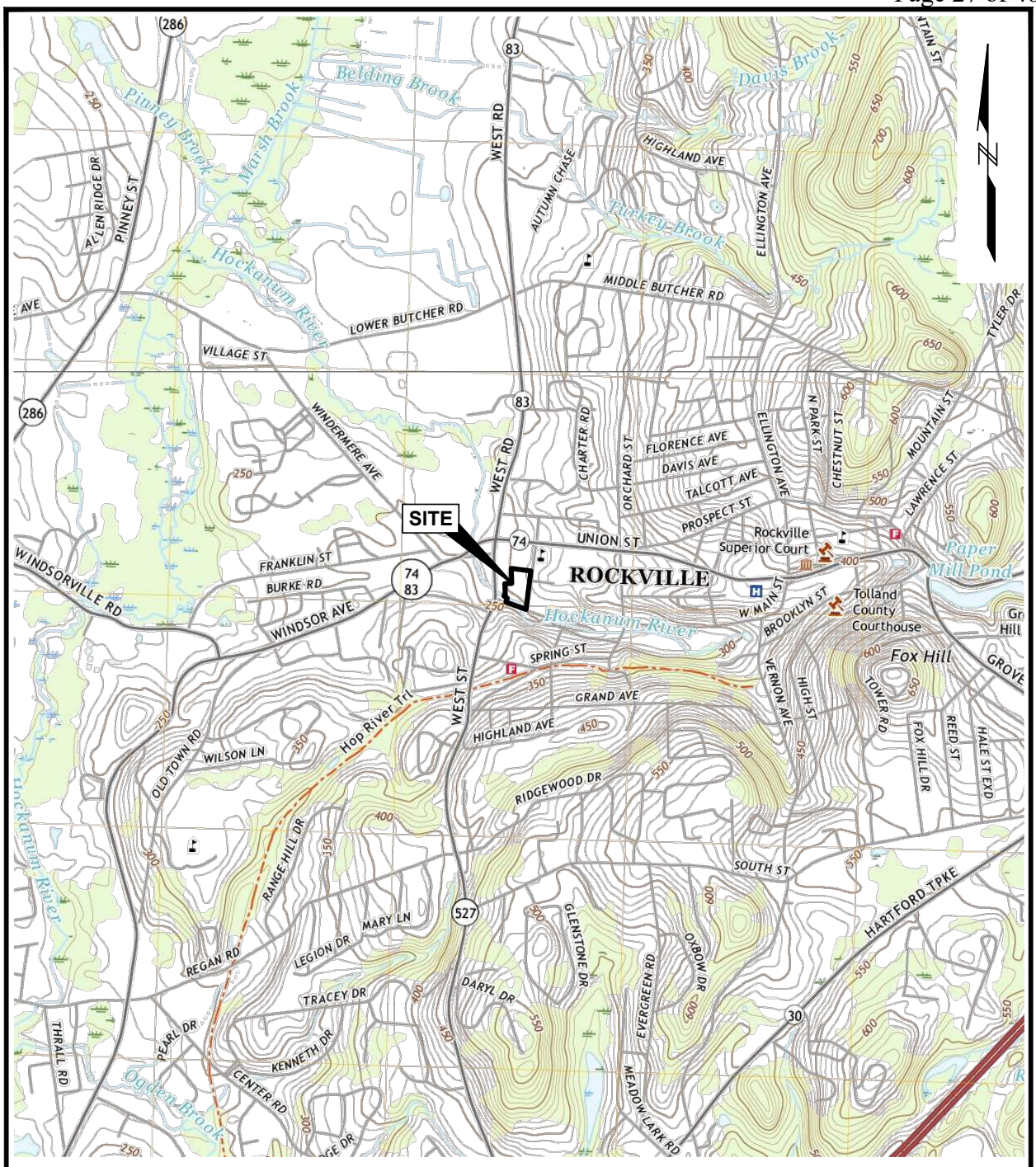
Figure 3 Phase II/III ESA and Previous Investigation Locations

Figure 4A Shallow Groundwater Contour Plan

Figure 4B Intermediate Groundwater Contour Plan

Figure 4C Deep Groundwater Contour Plan

Figure 4D Bedrock Groundwater Contour Plan



SOURCE:
MAP CREATED ROCKVILLE, CT QUADRANGLE, 7.5-MINUTE USGS TOPOGRAPHIC MAP, 2021 AND ELLINGTON, CT QUADRANGLE, 7.5-MINUTE USGS TOPOGRAPHIC MAP, 2021.

0 2000 4000

SCALE: 1" = 2000'

2025 Annual Report Rockville Former MGP Site Rockville, Vernon, Connecticut	GEI Consultants	SITE LOCATION MAP
Eversource Energy Berlin, Connecticut	Project 2200138	December 2025 Fig. 1

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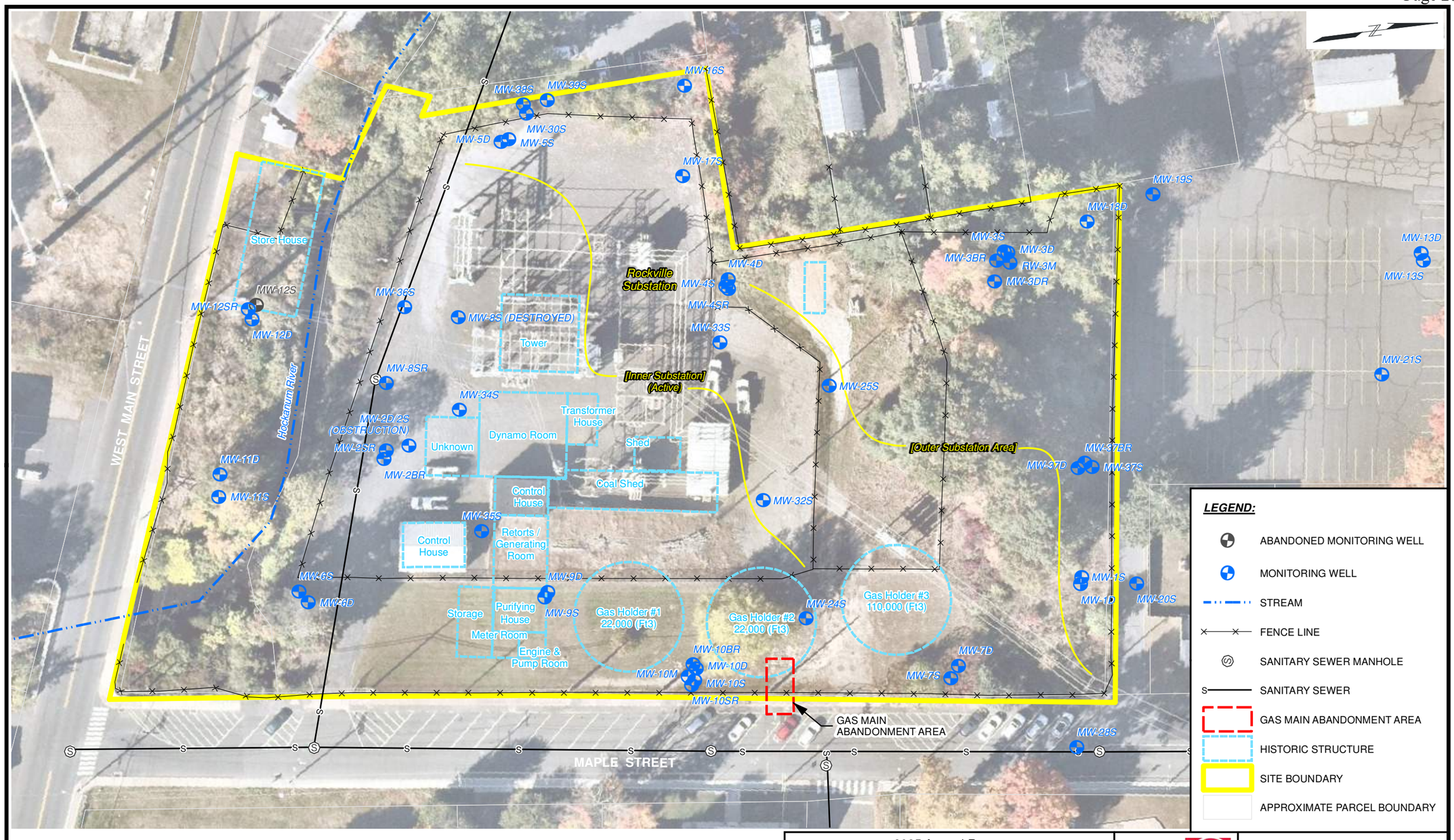

SOURCES:
1. DATA PROVIDED BY TIGHE & BOND.
2. NEARMAP IMAGERY DATED 10/12/2024.

0 50 100
SCALE, FEET

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Rockville, Vernon, Connecticut

Eversource Energy
Berlin, Connecticut

GEI Consultants

SITE LAYOUT AND HISTORICAL STRUCTURES

Project 2200138 | December 2025 | Fig. 2

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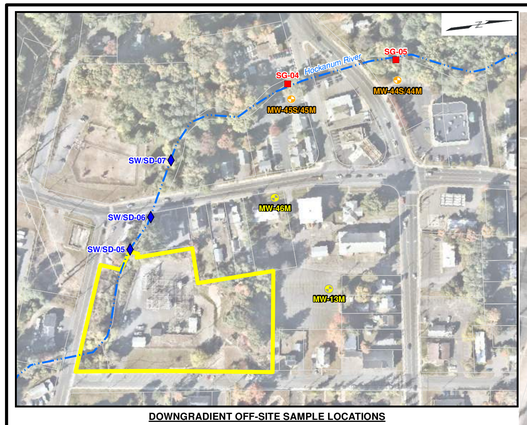

DOWNGRADIENT OFF-SITE SAMPLE LOCATIONS

0 100 200
SCALE: 1" = 200'

SOURCES:
1. DATA PROVIDED BY TIGHE & BOND.
2. NEARMAP IMAGERY DATED 10/12/2024.

0 30 60
SCALE, FEET

LEGEND:

PHASE II/III SITE INVESTIGATION AND ISS STUDY

- NESTED WELL PAIR
- INTERMEDIATE WELL
- TEST PIT
- SOIL VAPOR POINT
- STAFF GAUGE
- SEDIMENT SAMPLE
- BACKGROUND SEDIMENT SAMPLE
- ADDITIONAL SEH DELINEATION SOIL
- SEH DELINEATION SOIL SAMPLE

PREVIOUS SITE INVESTIGATION

- ABANDONED MONITORING WELL
- MONITORING WELL
- SOIL BORING
- SURFACE SOIL
- TEST PIT
- SEDIMENT SAMPLE
- SURFACE WATER
- INDOOR AIR SAMPLE
- OUTDOOR AMBIENT AIR SAMPLE
- SUB-SLAB AIR SAMPLE
- STREAM
- FENCE LINE
- SITE
- HISTORIC STRUCTURE
- APPROXIMATE PARCELS

2025 Annual Report
Rockville Former MGP Site
Rockville, Vernon, Connecticut

Eversource Energy
Berlin, Connecticut

GEI Consultants

Project 2200138 | December 2025 | Fig. 3

PHASE II/III ESA AND PREVIOUS INVESTIGATION LOCATIONS

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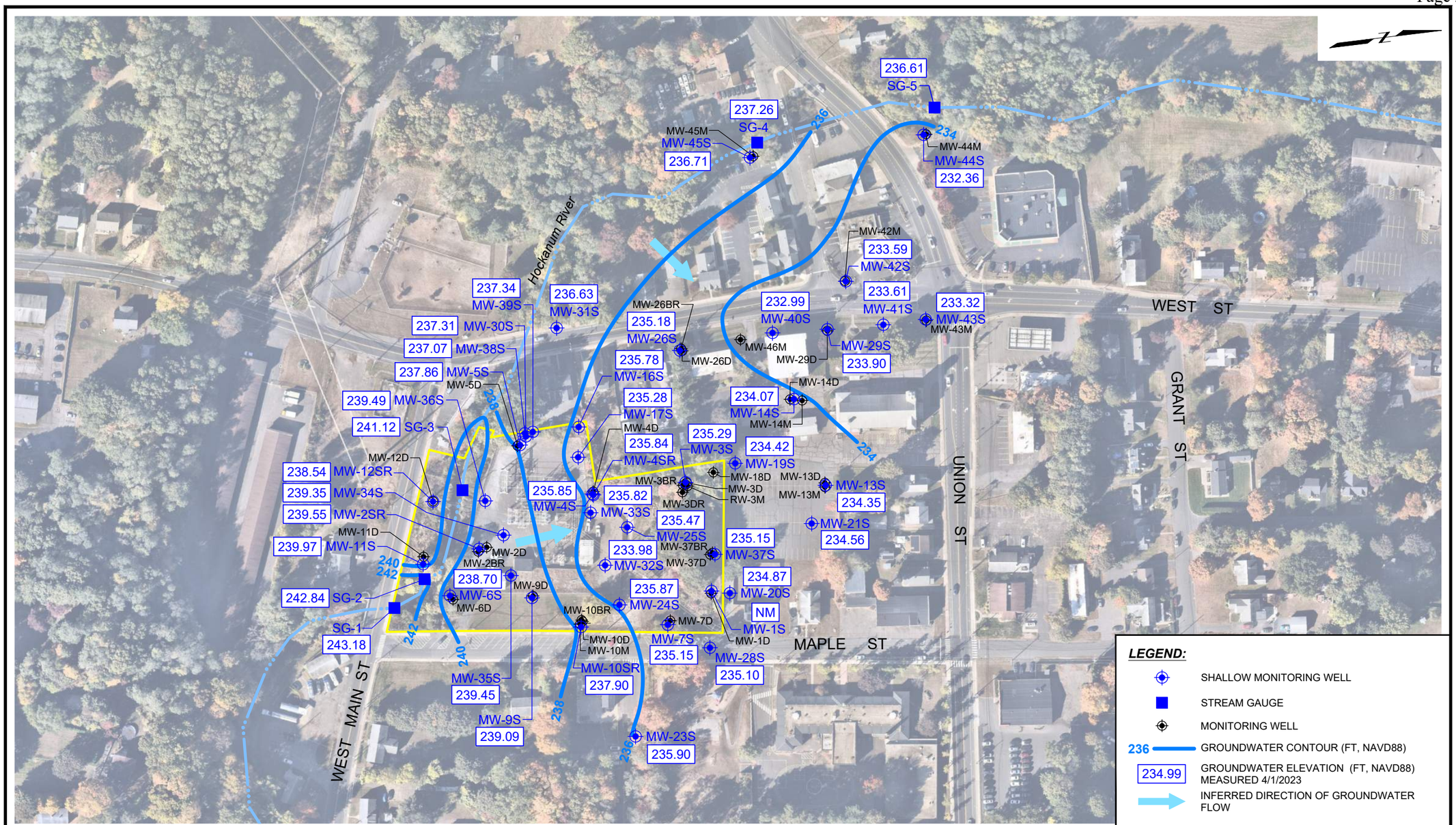

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SHALLOW GROUNDWATER CONTOUR PLAN

Project 2200138 | December 2025 | Fig. 4A

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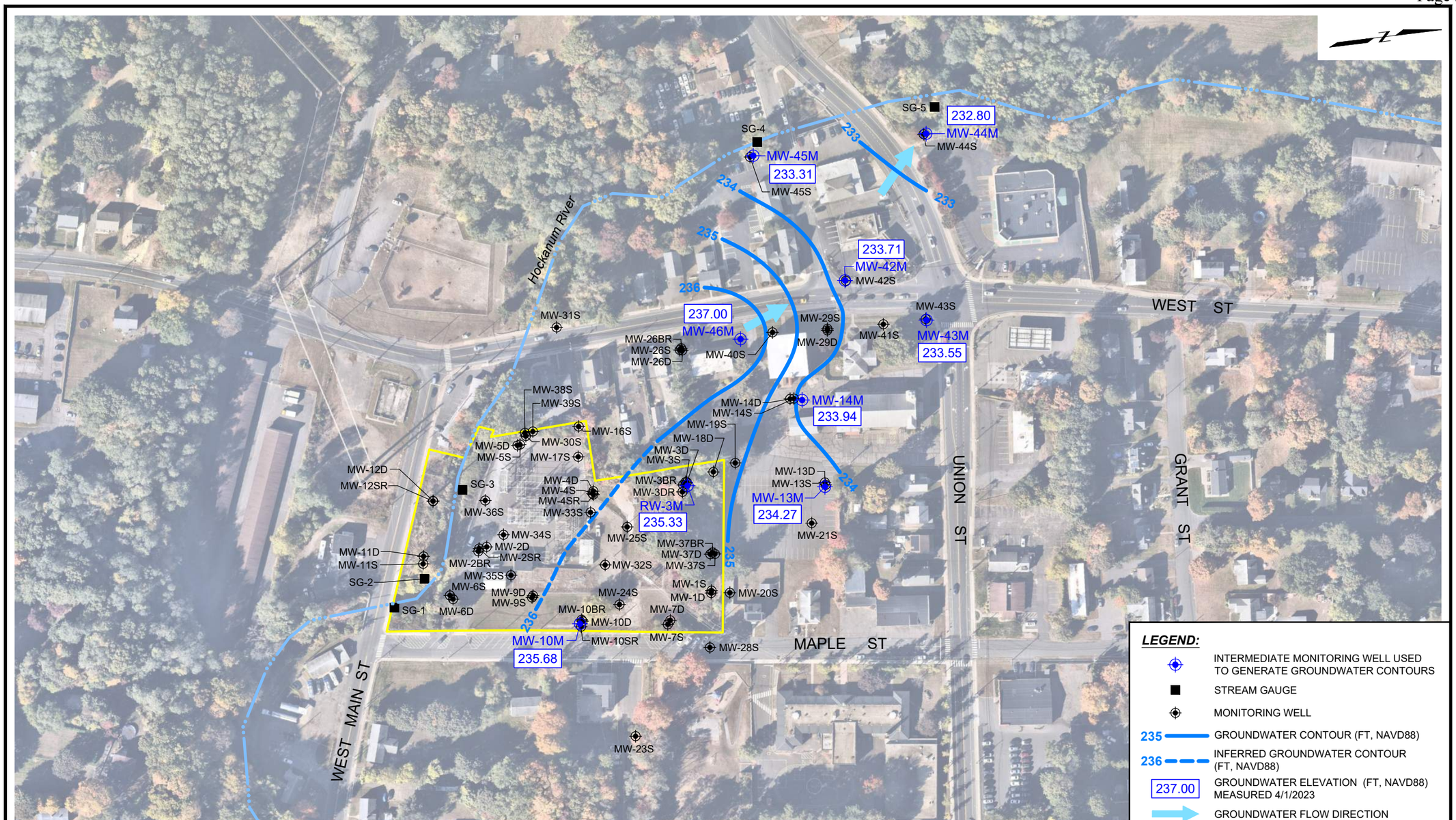

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Berlin, Connecticut

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INTERMEDIATE GROUNDWATER CONTOUR PLAN

Project 2200138 | December 2025 | Fig. 4B

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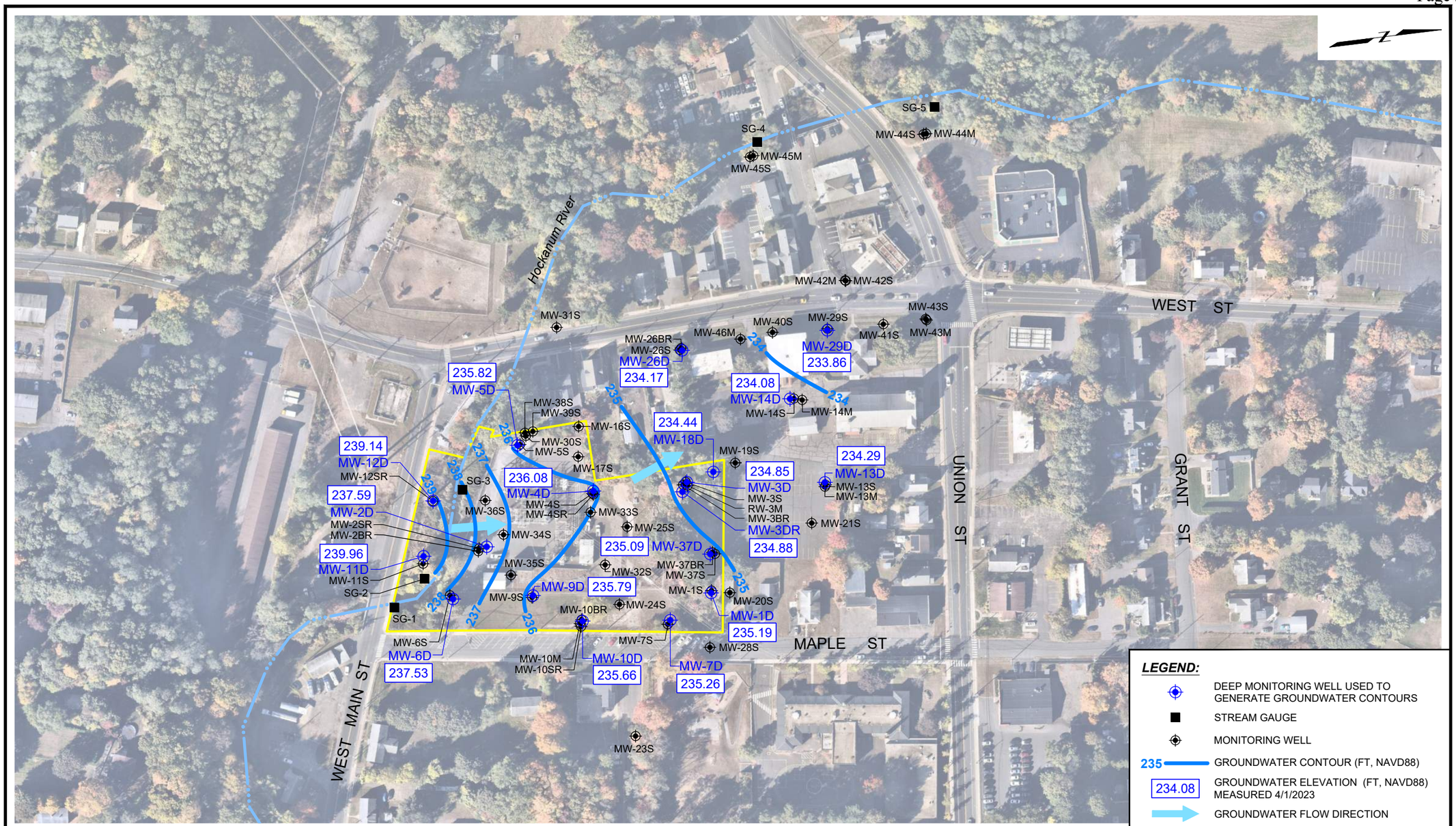

2025 Annual Report Rockville Former MGP Site Rockville, Vernon, Connecticut	GEI Consultants	DEEP GROUNDWATER CONTOUR PLAN
Eversource Energy Berlin, Connecticut	Project 2200138	December 2025 Fig. 4C

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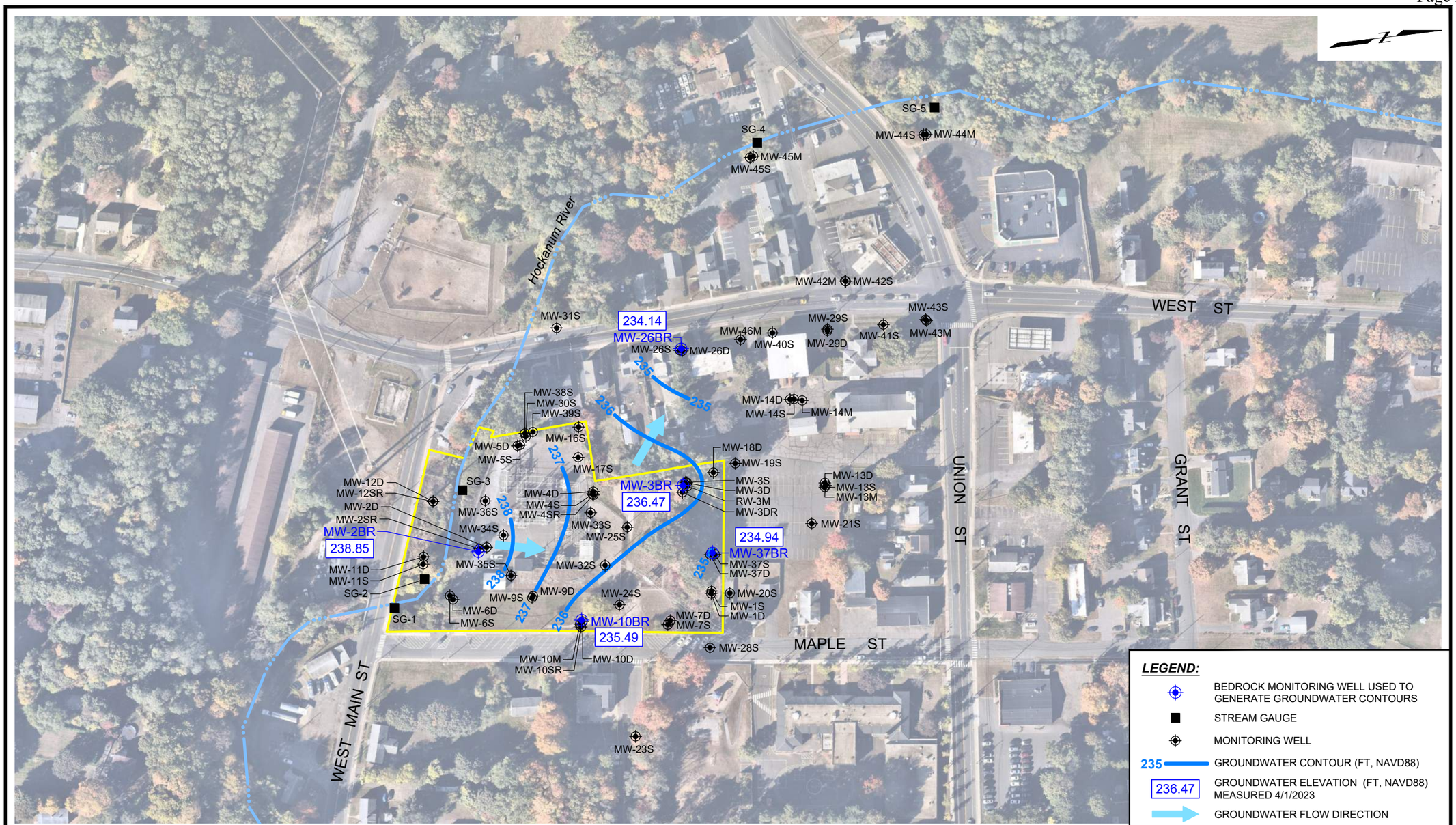

2025 Annual Report
Rockville Former MGP Site
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Eversource Energy
Berlin, Connecticut

GEI Consultants

BEDROCK GROUNDWATER CONTOUR PLAN

Project 2200138 | December 2025 | Fig. 4D

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Appendix A Significant Environmental Hazard Status Update Form: Soil

Electronic Transmittal Form for DEEP Remediation, LUST, and PCB Secure File Transfer (SFT)

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
REMEDIATION DIVISION, PCB PROGRAM, AND
LEAKING UNDERGROUND STORAGE TANK COORDINATION PROGRAM
www.ct.gov/deep

This Electronic Transmittal Form must be completed and included as the cover sheet of your electronic document when uploading a document to the Connecticut SFT website. Requirements for Transmittals through the SFT website:

- Documents submitted through the SFT website must include all applicable figures, tables and laboratory data.
- Files must be formatted as PDF/A and use the appropriate naming convention:
  - For Remediation Filings: **REM_REMID #_SiteAddress_Town_DocumentType_DateofDocument**
  - For LUST Filings: **LUST_SiteAddress_Town_AbbreviationForDocumentType_DateofDocument**
  - For PCB Filings: **PCB_SiteAddress_Town_AbbreviationForDocumentType_DateofDocument**
  Example: LUST_1MainStreet_Hartford_ESA_01-01-2001
  Note: For "AbbreviationForDocumentType" use appropriate abbreviation at Transmittal of Documents
- If no Rem ID assigned (new filing) or REM ID is unknown leave field blank

Part I: Primary Recipient*: Remediation Program (* required)

For Remediation documents:	For PCB/LUST documents:
Primary Program*: Voluntary Remediation	UST Facility ID: (if applicable)
Hazard Rem ID*: 12390	Spill Case Number: (if known)

Part II: Site Information

Site Name*: Rockville Former Manufactured Gas Plant
Site Address*: 13 Maple Street
City/Town*: Rockville, Vernon State: CT Zip Code: 06066

Secondary Programs (complete as many as applicable for this document):

Program: Significant Environmental Hazard	Project ID: 13641
Program: Select Secondary Program	Project ID:
Program: Select Secondary Program	Project ID:
Program: Select Secondary Program	Project ID:

Provide Project ID for each secondary program if it is known.
Each program has a unique ID (i.e. Rem ID, Spill Case #, UST Facility ID, etc.)

Part III: Document Information (document type required for appropriate program[s] only)

Remediation*: SEH Status Update: Soil
LUST/PCB*: LUST/PCB Document Type
Date of Document*: 5/29/2025 Version: Final

Part IV: Submitter Information

Name*: Andrew (Drew) P. Blicharz
E-mail*: drew.blicharz@eversource.com
Name of business this document is being submitted on behalf of and contact person email: *
The Connecticut Light and Power Company dba Eversource Energy

Sustainability & Environmental Affairs Department
107 Selden Street, BMN2
Berlin, CT 06037

May 29, 2025

Monica Meschiatti
Environmental Analyst 2
Remediation Division
Bureau of Water Protection and Land Reuse
Department of Energy and Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

Reference: **Rockville Former Manufactured Gas Plant Site**
REM ID: 12390/SEH ID: 13641
Significant Environmental Hazard Status Update Form: Soil

Dear Ms. Meschiatti:

The Connecticut Light and Power Company dba Eversource Energy (Eversource) submits the enclosed *Significant Environmental Hazard (SEH) Status Update Form: Soil* for the Rockville Former Manufactured Gas Plant Site located at 13 Maple Street in Rockville, Vernon, Connecticut (the Site).

An SEH Notification (SEHN) was submitted to the Connecticut Department of Energy and Environmental Protection (CT DEEP) on February 26, 2018. The SEHN reported that benzo(a)pyrene (BaP) was detected at a concentration that exceeded the SEH Condition Notification Threshold Concentration in shallow surficial soils (upper two feet) in a sample collected from SS-102 (0-6") during the Phase III Environmental Site Assessment (ESA). Additional SEH conditions in shallow surficial soils were later discovered at the Site during characterization or investigation activities. SEH conditions at OSS-4 and SB-78 were abated in 2021 and 2022 respectively. SEH conditions at SB-76, HA-18, and an area characterized by HA-01 through HA-03 remain at the Site.

The attached *SEH Status Update Form: Soil* provides an annual update on the mitigation measures for other previously identified SEH conditions in surficial soils, and representative photographs. The remaining SEH conditions in the surficial soils, which are currently within an access-restricted fencing area, are proposed to be abated prior to or as part of the site-wide remedial action plan (RAP) which will be prepared once the Phase III environmental site assessment is completed at the Site.

Sincerely,
Eversource Energy Service Company

Andrew (Drew) P. Blicharz, LEP, CHMM
Senior Environmental Specialist – Remediation

Enclosure: Significant Environmental Hazard (SEH) Status Update Form: Soil

Cc: Claire Quinn, CT DEEP
Sean Connolly, GEI Consultants, Inc.
Jonathan Yeich, LEP, GEI Consultants, Inc.

Significant Environmental Hazard Status Update Form: Soil [Connecticut General Statutes (CGS) Section 22a-6u]

DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
BUREAU OF WATER PROTECTION & LAND REUSE
REMEDIATION DIVISION
79 ELM STREET
HARTFORD, CT 06106-5127 www.ct.gov/deep/remediation

Complete and submit this form, accompanied by attachments as requested, to meet the requirement under CGS section 22a-6u(k)(2) to provide a description of any continuing actions being taken to monitor, mitigate, or abate a Significant Environmental Hazard condition in surface soil.

RemID# **DEEP Use Only** SEH#

Part I – Site Identification

Identify the parcel at which a Significant Environmental Hazard (SEH) condition was identified:

Name of Site: Rockville Former MGP Site(REMID 12390/SEHID 13641)

Address or Location: 13 Maple Street

City/Town: Rockville/Vernon State: CT Zip Code: 06066

Date(s) DEEP was notified: 2/26/18 DEEP Case Manager (if known): MONICA MESCHIATTI

Part II – SEH Information

A. SEH Condition Reported

☒ 30x Industrial/Commercial Direct Expose Criteria (DEC) (for industrial/commercial use, i.e. non-residential)

☐ 15x Industrial/Commercial DEC (for metals or PCBs at industrial/commercial properties that are within 300 feet of a current residential use)

☐ 15x Residential DEC (for current residential use)

B. Has the extent of the SEH condition been fully delineated horizontally and vertically in the top two feet of soil, pursuant to CGS section 22a-6u(d)(3)(A)?

Yes ☒ No ☐ Date report delineating SEH condition submitted: 5/19/23

C. A site map is attached depicting the specific locations and extent of the soil contamination, including contaminant concentrations that exceed SEH notification thresholds. ☒

Part III – SEH Mitigation Status Update

Describe any steps being taken to delineate, monitor, mitigate, and/or abate the SEH condition and any proposed future actions, pursuant to CGS section 22a-6u(d)(3).

A. Report Frequency

1. Annual reports are due on **June 1st** of each year using this form.
   This submittal is the annual report. ☒
2. **In the event that mitigation measures fail, a supplemental report, using this form, is required within 30 days of discovery of such event and must describe how this condition was addressed in C.4. below.** This submittal is a supplemental report. ☐

B. SEH Mitigation

1. Area that exceeds SEH soil notification thresholds is:

Covered by pavement maintained in good condition	YES ☐	NO ☒
Fenced off from the general public	YES ☒	NO ☐
Identified by posted warning signs	YES ☒	NO ☐

2. Provide any additional details of the mitigation measures taken to prevent exposure to the contaminated soil exceeding the SEH notification threshold. CHECK IF NONE ☐

Surficial soil with detections of benzo(a)pyrene (BaP) above the SEH threshold concentration including the SS-102, HA-01A, HA-02, HA-03, HA-18, and SB-76 areas remain secured within security fencing that has warning signs posted at the gated entrances. The property is flagged in Eversource's internal GIS which informs Substation Operations personnel to contact Environmental personnel prior to intrusive work at the substation property.

C. Inspection and Maintenance of Mitigation Measures

1. List dates of inspection since last annual report (mm/dd/yy):

5/29/25	5/7/25	3/31/25	11/14/24

2. Checklist for inspection of mitigation measures for most recent inspection:

☐ Yes	☐ No	☒ NA	Cracking of asphalt or concrete?
☐ Yes	☒ No	☐ NA	Changes in surface profile (settling, potholes, roots)?
☐ Yes	☒ No	☐ NA	Exposed geotextile membrane or soil erosion?
☐ Yes	☒ No	☐ NA	New construction, paving, or landscaping?
☐ Yes	☒ No	☐ NA	Opening in fence that could allow access?
☒ Yes	☐ No	☐ NA	Warning signs present and legible?
☐ Yes	☐ No	☒ NA	Other conditions - describe:

3. Provide current photo documentation of mitigation measures.

Date of photos: 5/7/25 PHOTOS ATTACHED ☒

4. Describe any maintenance of mitigation measures that has been completed since the last report. CHECK IF NONE ☒

Part IV – SEH Abatement Update

A. Abatement Status

1. ☒ SEH condition has been abated (complete Part IV.B.) OSS-4 in 2021 and SB-78 in 2022. Reports below.
2. Date abatement plan (to be) submitted:
3. Anticipated date of completion of abatement:

B. Abatement Details

1. SEH condition has been abated such that notice would not be required under CGS section 22a-6u(k)(3) by:

   ☒ Removal of soil above notification threshold values in the top two feet of soil.

   ☐ Rendering the soil inaccessible as defined in the Remediation Standard Regulations ("RSRs," sections 22a-133k-1 through -3 of the Regulations of Connecticut State Agencies).

   ☐ Remediation of the release in accordance with the RSRs.

2. ☐ A report describing actions taken to permanently abate the SEH condition is attached.

   a. ☐ A table of analytical data that are the basis for determining that a SEH condition no longer exists is included in the attached report.

   b. ☐ A site map indicating the location of samples identifying that the SEH condition has been fully abated is included in the attached report.

3. If a report(s) has (have) already been submitted that documents the abatement of the SEH condition, list the reports below for reference. CHECK IF NONE ☐

Report Name	Preparer	Submittal Date (mm/dd/yy)	DEEP Unit Name (where submitted)
Annual Report	GEI	12/23/22	Remediation
Significant Environmental Status Update Form: Soil	Eversource	5/25/22	Remediation
2021 Voluntary Remediation Program Annual Report	Tighe & Bond	12/29/21	Remediation

Part V – Party Identification and Contact Information

A. Site Owner Has this information changed? Yes ☐ No ☒

Owner Name: The Connecticut Light and Power Company dba Eversource Energy

Contact Person: Andrew (Drew) P. Blicharz Title: Senior Environmental Specialist

Contact E-mail: drew.blicharz@eversource.com Contact Phone:860-665-5751 Ext.

Mailing Address: 107 Selden Street

City/Town: Berlin State:CT Zip Code: 06037

B. Environmental Consultant Has this information changed? Yes ☐ No ☐

Name: Sean Connolly Title: Project Manager

Firm: GEI Consultants, Inc.

E-mail: sconnolly@geiconsultants.com Phone: 860-368-5402 Ext.

Mailing Address: 455 Winding Brook Drive

City/Town: Glastonbury State: CT Zip Code: 6033

C. Entity Acting on Behalf of the Owner Has this information changed? Yes ☐ No ☒

If the person signing this form is not the site owner, describe that person's relationship to the site and its owner and enter contact information below. If an entity who is not the site owner is acting on behalf of the owner to mitigate or abate the hazard condition, provide details of this agreement.

Contact Name:

Contact Person: Title:

Contact E-mail: Contact Phone: Ext.

Mailing Address:

City/Town: State: Zip Code:

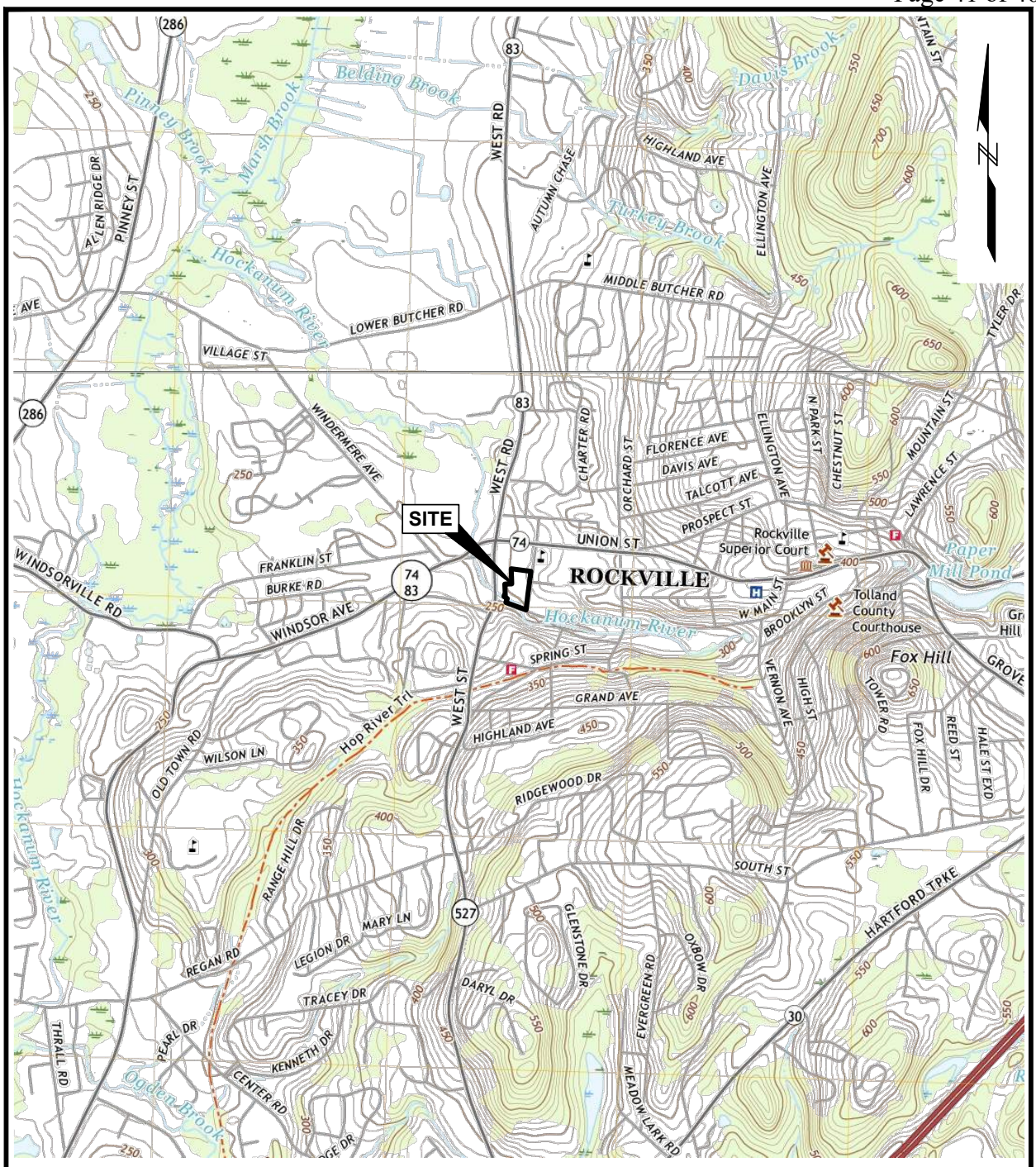
Part VI – Signature of Property Owner or Entity Acting on Owner's Behalf

"I have personally examined and am familiar with the information submitted in this document and all attachments, and certify that based on reasonable investigation the submitted information is true and accurate to the best of my knowledge and belief. I certify that this form is complete and accurate as prescribed by the Commissioner without alteration of the text."

Name: Andrew (Drew) P. Blicharz Title (if applicable): Senior Environmental Specialist

Signature Drew Blicharz Date: 5/29/25

SEND COMPLETED FORM TO: REMEDIATION DIVISION
<ATTN: CASE MANAGER, IF KNOWN>
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

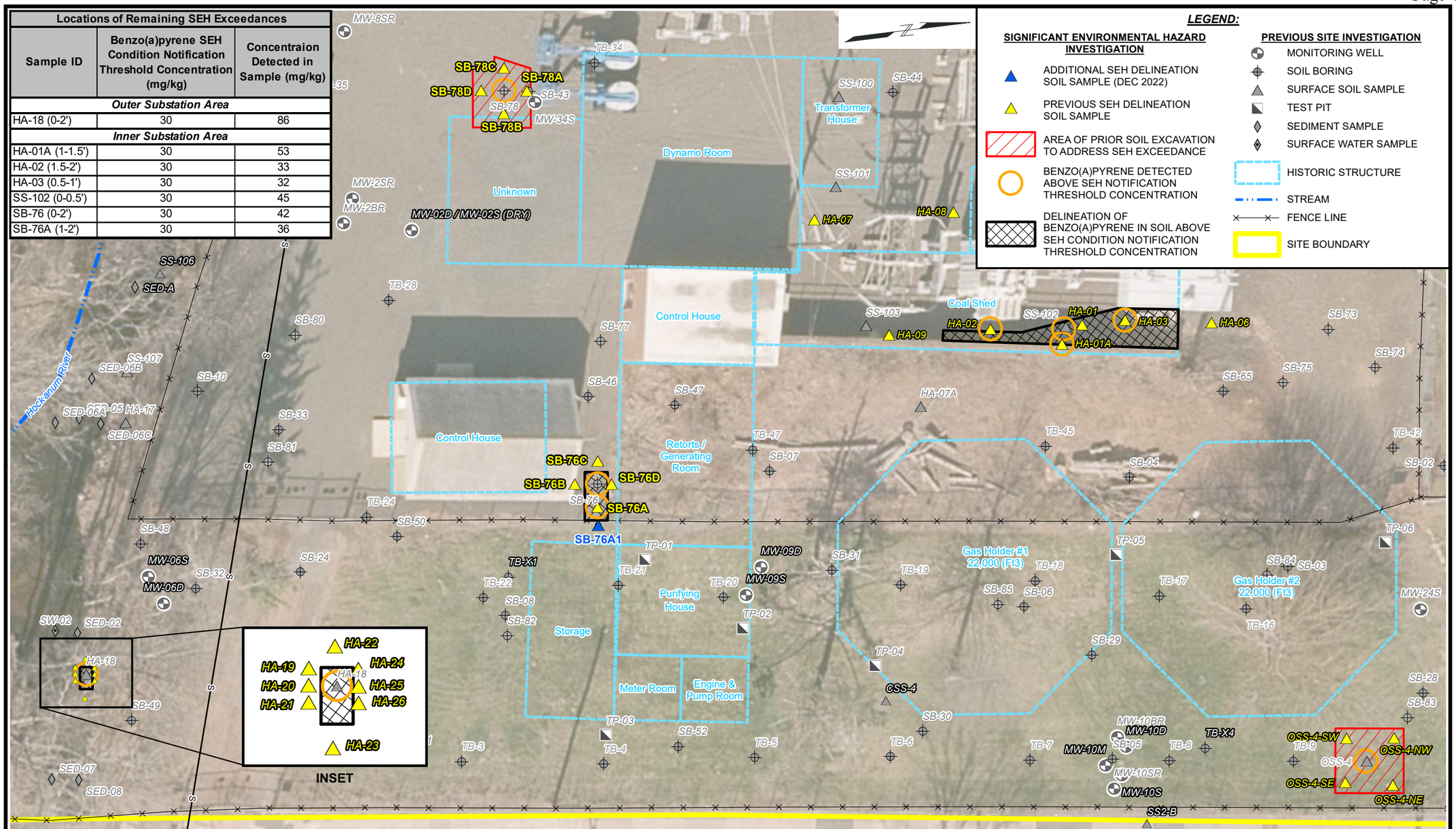


SOURCE:
MAP CREATED ROCKVILLE, CT QUADRANGLE, 7.5-MINUTE USGS TOPOGRAPHIC MAP, 2021 AND ELLINGTON, CT QUADRANGLE, 7.5-MINUTE USGS TOPOGRAPHIC MAP, 2021.

Significant Environmental Hazard Status Update Form: Soil Rockville Former MGP Site Rockville, Vernon, Connecticut	GEI Consultants	SITE LOCATION MAP
Eversource Berlin, Connecticut	Project 2200138	May 2025 Fig. 1

---- B:\Working\EVERSOURCE\2200138 Rockville MGP Supp. Ph II_III ESA\00_CAD\Figures\SEHSU\2025\2200138_SEHSU_SLM.dwg - 5/16/2025

Locations of Remaining SEH Exceedances		
Sample ID	**Benzo(a)pyrene SEH Condition Notification Threshold Concentration (mg/kg)**	**Concentraion Detected in Sample (mg/kg)**
Outer Substation Area		
HA-18 (0-2')	30	86
Inner Substation Area		
HA-01A (1-1.5')	30	53
HA-02 (1.5-2')	30	33
HA-03 (0.5-1')	30	32
SS-102 (0-0.5')	30	45
SB-76 (0-2')	30	42
SB-76A (1-2')	30	36



SOURCES:
1. ALL PREVIOUS SAMPLE LOCATION DATA PROVIDED BY TIGHE & BOND.
2. WORLD IMAGERY LAYER, Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

0 20 40
SCALE, FEET

Significant Environmental Hazard Status Update Form: Soil
Rockville Former MGP Site
Rockville, Vernon, Connecticut

Eversource
Berlin, Connecticut

GEI Consultants

SIGNIFICANT ENVIRONMENTAL HAZARD (SEH) INVESTIGATION AND EXCAVATION LOCATIONS

Project 2200138 | May 2025 | Fig. 2

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Rockville Former MGP
Significant Environmental Hazard Status Update Form: Soil
Address: 13 Maple Street, Rockville, Vernon, Connecticut

GEI Consultants

Photo Log Index

Photo No. 1 – Fencing and signage around outer substation at north entrance (facing west). 1
Photo No. 2 – Fencing and signage around outer substation at south entrance (facing west). 2
Photo No. 3 – SEH condition area (SB-76 and SB-76A) within the inner substation (facing west). 2
Photo No. 4 – SEH condition area (SS-102, HA-01A, HA-02 and HA-03) within the inner substation (facing west). 3
Photo No. 5 – SEH condition area (HA-18) fenced off within wooded area of outer substation (facing south). 3

Rockville Former MGP
Significant Environmental Hazard Status Update Form: Soil
Address: 13 Maple Street, Rockville, Vernon, Connecticut



Photo No. 1 – Fencing and signage around the outer section of the substation at the north entrance (facing west).

Rockville Former MGP
Significant Environmental Hazard Status Update Form: Soil
Address: 13 Maple Street, Rockville, Vernon, Connecticut



Photo No. 2 – Fencing and signage around the outer section of the substation at the south entrance (facing west).



Photo No. 2 – SEH condition area (SB-76 and SB-76A) within the inner section of the substation (facing west).

Rockville Former MGP
Significant Environmental Hazard Status Update Form: Soil
Address: 13 Maple Street, Rockville, Vernon, Connecticut



Photo No. 4 – SEH condition area (SS-102, HA-01A, HA-02 and HA-03) within the inner section of the substation (facing west).



Photo No. 5 – SEH condition area (HA-18) fenced off within a wooded area within the outer section of the substation (facing south). Area is to be repaired.