INLAND WETLANDS AND WATERCOURSES COMMISSION

Town of Trumbull

CONNECTICUT
www.trumbull-ct.gov

TOWN HALL
Trumbull

TELEPHONE
(203) 452-5005

AGENDA
JUNE 2, 2026

TO: MEMBERS OF THE INLAND WETLANDS AND WATERCOURSES COMMISSION

RE: VIDOECONFERENCE MEETING – Tuesday, June 2, 2026

The Town of Trumbull Inland Wetlands and Watercourses Commission will hold a videoconference meeting on Tuesday, June 2, 2026 at 7:00 pm

https://us06web.zoom.us/j/85417060916?pwd=pybBOUssqtTbOrg6bqSrBUWtmYrWX0.1

Webinar ID: 854 1706 0916

Password: 317082

Join by telephone: (646) 931-3860 / Webinar ID: 854 1706 0916

NEW BUSINESS

Modification of Application 26-02	Joseph Juliano	Permit approval for larger patio/paver area, outdoor kitchen, pergola structure, boxwood plantings and retaining wall within a regulated area at 17 Apple Gate Lane.

OLD BUSINESS

Application 26-10	Machados Properties LLC	Permit approval to build a single family residence within a regulated area at 33 Broadway.
Application 26-11	Madison Properties LLC	Permit approval to construct an 8,500 sq ft mixed use building and it appurtenances; including construction of portion of building, driveway, parking, sidewalks, retaining walls drainage, underground utilities and landscaping within a regulated area at 855 and 851 White Plains Road.

Application 26-12	Bernadine Capozziello	Permit approval to construct a single family dwelling and its appurtenances; including storm detention gallery system, septic system, footing drain outlet, grading and a builder barrier within a regulated area at 5044 Madison Ave.
Application 26-15	Mark Amier	Permit approval for hydraulic suction dredging of existing pond, temporary grading, disposal of dredge spoils and restore all disturbed areas as lawn within a regulated area at 101 Governor Trumbull Way.
Application 26-16-**Revised**	Lawrence & Maria Haslam	Permit approval to remove 13 trees; plus for additional 4 trees previously removed and plant 41 trees and/or plants within a regulated area at 272 Strobel Road. **Revised-Remove stumps of all of the trees in the front.**

OLD BUSINESS-CONTINUATION OF PUBLIC HEARINGS

Application 25-10	Emilia Ferri	Permit approval to legalize existing improvements for retaining wall location, topographic contour changes, proposed underground infiltration system location and new rear deck within a regulated area at 6 Sycamore Street. Modification of Application 21-07.
Application 25-11	Emilia Ferri	Permit approval to legalize proposed retaining wall location, relocate scour hole location and encroachment of limit of disturbance within a regulated area at Lot 321 Sycamore Street.

MINUTES

Approve meeting minutes – May 5, 2026

SCHEDULE FIELD INSPECTION(S)

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL

APPLICATION FOR PERMIT

SECTION I

Application Id. SUBMITTED
Permit #26-02
MAY 15 2026
INLAND WETLANDS COMMISSION
BY 26-02

1. Location/address of property where activity is proposed: 17 Apple Gate Lane, Trumbull, CT
   Parcel Size 2.52 Zone: RSAA Map ID: J06-73 Current Use: Residential
2. Applicant's Name: Joseph & Regina Juliano
   Applicant's Address: 17 Apple Gate Lane, Trumbull, CT 06611
   Telephone (631) 375-1554 Cell: 631-375-1554 Email: joe.juliano@gmail.com
   Applicant's interest in property (Lessee, Licensee, Owner, etc.): Owner
3. Name of Property Owner of Record: Joseph M. Juliano
   If the owner is a corporation, or other non-individual entity, include the primary contact information
   Address of Owner of Record: Same as above
   Telephone: Same as above Cell: ( ) Email: same as above

If Applicant is the Owner, go to #5

4. The undersigned hereby authorizes _____ to act as Agent on my behalf as related to this application.

   Joseph M. Juliano
   (Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities (use separate sheet if necessary):

   Modification of Permit #26-02
   - larger patio/paver area
   - outdoor kitchen
   - pergola structure
   - box wood plantings/retaining wall pool

The applicant understands that this application is to be considered complete only when all information and documents required by the Agency have been submitted.
The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false statement according to the best of his/her knowledge and belief.
Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent (s) to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section 7.5 of the IWWC Regulations.

Applicant's Signature: Joseph M. Juliano Date: 5/14/26
(If not the Owner)

Owner's Signature: Joseph M. Juliano Date: 5/14/26

17 Applegate

SECTION II

SITE PLAN REQUIREMENTS

1. Total property area: 2.356 AC / 102,575 SF Zone: RES. AA Number of Lots: 1
2. Map ID, from assessors card: 37/6-73
3. Total area existing of wetlands on property: 47,910 SF (1.10 AC) approximate
4. Total area of Regulated area on property: 47,910 SF (1.10 AC) approximate
5. Wetlands area to be disturbed: 2,730 SF
6. Upland Review area to be disturbed: 5,220 SF
7. Proposed % of wetlands on the property to be disturbed: 5.7%
8. Total area of proposed land disturbance: 7,950 SF
9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield. Yes _____ No ✓ (If yes, see Section 8.2 of the Trumbull IWWC Regulations.)
10. Is any portion of the site located within a water company watershed: Yes _____ No ✓ (If yes, see Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)
11. Existing property coverage type data:

	Percent of Regulated Area:	Dominant Species:
Trees:	70%	Red maple. Black Birch, Red Oak
Shrubs	20%	Barberry, Multiflora rose, Spicebush, Winterberry
Grasses, weeds, etc:	10%	lawn, Skunk cabbage
Impervious area:		

12. Existing watercourse data and open water characteristics: (If applicable) n/a
    a. Size of pond(s) or lake(s): _____
    b. Stream characteristics: Intermittent or permanent: _____
    c. 100 year flood evaluation: _____
13. Probable effect of proposal (if any) on vegetation and wildlife: proposed enhancements will increase habitat
14. Existing or proposed source(s) of water supply for the property: n/a
15. Existing or proposed method of sewage disposal for the property: existing septic
16. Creation of proposed water bodies (If yes, detailed information will be required) Yes: _____ No: X
17. List proposed measures to protect regulated and inland wetland areas from:
    a. Erosion and sedimentation: please see site plan
    (Wetlands)
18. Proposed percent of Regulated area to be covered with impermeable surface: 0 SF (1,240 SF in Upland Review
19. Material to be (check all that applies): deposited ☑ excavated ☐ (If yes, complete the following)
    a. Area: 2,940 SF GRADING Volume: ATTEMPT TO BALANCE CUT & FILL
    b. Physical & Chemical composition of material to be deposited: GRAVEL FOR SWIMMING POOL, GRAVEL & STONE DUST FOR PATIOS, CONCRETE POOL EQUIPMENT PAD

REFER TO POOL ADDITION PLANS PREPARED BY ROSE TISO & CO., LLC ARCHITECTS, SURVEYORS & ENGINEERS FOR STORMWATER MANAGEMENT & RETAINING WALL DETAILS

GENERAL LEGEND

- PROPERTY LINE
- PROPOSED SILT FENCE
- WETLAND LINE — WF-17
- EXISTING TREE ◎ 18"
- EXISTING CONTOUR 331
- PROPOSED CONTOUR 372
- PROPOSED SPOT GRADE 371.0 +

CONSERVATION EASEMENT

WETLAND LIMIT LINE DELINEATED BY STEVEN DANZER, SOIL SCIENTIST ON 10-14-2024

CONSERVATION EASEMENT LINE & WETLAND LIMIT LINE PER T.C. MAR. #2562

EXISTING LAWN LINE

EXISTING DEMARCATION BOULDER (TYP)

PROPOSED 42" HT (APPROX) RAILROAD TIE RETAINING WALL W/ RAILING AT TOP

PROPOSED EDGE

PROPOSED TEMPORARY CONSTRUCTION FENCE TO PROTECT SEPTIC SYSTEM

TEMPORARY STOCKPILE

EXISTING NATIVE PLANTINGS, APPROX. (TYP)

PROPOSED PIPE-REFER TO ENGINEER'S PLANS

EXISTING RAINGARDEN

PROPOSED CURTAIN DRAIN-REFER TO ENGINEER'S PLANS

EXISTING EVERGREEN TREES, APPROX.

100-FT UPLAND REVIEW AREA

LAWN LIMIT

STOCKPILE

PROPOSED FUTURE 18' X 28' PLAY AREA

PROPOSED 18" WIDE BOX FOR POOL COVER SPOOL

APPROXIMATE SEPTIC FIELDS

PROPOSED NEW ENGLAND FIELDSTONE RETAINING WALL-REFER TO ENGINEER'S PLANS

CONSTRUCTION ACCESS ROUTE

STABILIZED ANTI-TRACKING PAD

STREET LINE

50' BUILDING SETBACK LINE

EASEMENT LINE

PROPOSED YARD DRAIN & RECHARGER UNIT-REFER TO ENGINEER'S PLANS

EXISTING PATIO TO BE REBUILT

EXISTING STEPS TO REMAIN

50' RIGHT OF WAY DEDICATED FOR FUTURE ROAD PURPOSES

EXISTING PICKET FENCE TO REMAIN

RUN-OFF

EXISTING SHED

EX. WALK

PROPOSED PATIO

PRO. SAFETY RAIL

SILT FENCE (TYP)

7-PANICUM VIRGATUM 'HEAVY METAL', 1 GALLON

TOP 330.3 PROPOSED POOL WALL

PROPOSED PATIO (MASONRY)

15-BUXUS 'GREEN GEM', 24" HT.

PROPOSED STEPS W/ HANDRAIL

PROPOSED NEW ENGLAND FIELDSTONE RETAINING WALL BENEATH PATIO

PROPOSED OUTDOOR KITCHEN W/ BAR SEATING, GRILL, PULLOUT TRASH & UNDERCOUNTER FRIDGE & PERGOLA ABOVE

PROPOSED 48" HT X 4' WIDE GATE

PROPOSED STEPS W/ CHEEKWALLS

PROPOSED INGROUND SWIMMING POOL 16' X 34' COPING EL 335.2

EX. A/C UNITS

RESIDENCE

EX. DECK

EX. DRIVEWAY

PROPOSED RETAINING WALL AT POOL EQUIPMENT PAD

EXISTING PROPANE TANK TO BE REMOVED

EX CHIMNEY

SWALE

PROPOSED CONCRETE POOL EQUIPMENT PAD, SIZE 3' X 7' W/ SCREEN FENCE OR SCREEN PLANTINGS

PROPOSED 48" HT POOL ENCLOSURE FENCE

SEPTIC CLEANOUT

PROPOSED 500-GALLON UNDERGROUND PROPANE TANK-MEET ALL CODES

PROPOSED 48" HT X 8' WIDE DOUBLE GATE

10-THUJA STANDISHII 'GREEN GIANT', 8'-10' HT (LAYOUT TO MAXIMUM SCREENING)

25'

43.7'

49.8'

R=410.00'

GENERAL NOTES:

1. CONTACT CALL BEFORE YOU DIG AT 800-922-4455 TO HAVE UNDERGROUND UTILITY LINES MARKED PRIOR TO START OF ANY EXCAVATION WORK.
2. BASE MAP INFORMATION WAS TAKEN FROM "TOPOGRAPHIC SURVEY LOT 24 IRONGATE ESTATES" PREPARED BY LEWIS ASSOCIATES LAND SURVEYING AND CIVIL ENGINEERING DATED NOVEMBER 8, 2024.
13. SWIMMING POOL IS TO BE LINER TYPE CONSTRUCTION.
14. A CARTRIDGE FILTER SYSTEM SHALL BE UTILIZED FOR THE SWIMMING POOL. NO BACKWASH SYSTEM SHALL BE UTILIZED.
15. POOL ENCLOSURE MUST COMPLY WITH THE CONNECTICUT STATE BUILDING CODE, EFFECTIVE JULY 1, 2025

SWIMMING POOL WORK SEQUENCE:

1. INSTALL SILT FENCE, TREE PROTECTION AND STABILIZED CONSTRUCTION ACCESS.
2. STRIP AND STOCK PILE TOPSOIL FOR FUTURE USE
3. EXCAVATE FOR INGROUND SWIMMING POOL, PATIOS, STEPS, BOULDER RETAINING WALLS, POOL EQUIPMENT PAD, PLAY AREA, AND WALKS.
4. ALL GRADES ARE TO VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.
5. ALL IMPROVEMENTS SHALL BE STAKED IN THE FIELD BY A CONNECTICUT LICENSED SURVEYOR PRIOR TO CONSTRUCTION.
6. REMOVE AND DISPOSE OF EXCESS SOILS OFF SITE
7. EXCAVATE FOR AND INSTALL PROPOSED DRAINAGE STRUCTURES AND PIPING
8. EXCAVATE FOR AND INSTALL UNDERGROUND PROPANE TANK
9. CONSTRUCT SWIMMING POOL, RETAINING WALLS, PATIOS, STEPS, POOL EQUIPMENT PAD, OUTDOOR KITCHEN, PERGOLA AND WALKS.
10. GRADE TO CREATE SMOOTH TRANSITIONS.
11. PERFORM FINE GRADING
12. RESTORE ANY DISTURBED LAWN AREAS WITH 4" TOPSOIL (IF REQUIRED) FINE RAKE, SEED AND HAY MULCH.
13. SEDIMENT AND EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL THE SITE IS FULLY STABLE, AND HAS A FULL VEGETATIVE COVER.

Revisions	Date
Added plant bed at pool, rev. patio layout, added outdoor kitchen & pergola	05.13.26
Added proposed propane tank; rev. pool equip. pad, noted cartridge filtration added native plantings, added curtain drain & pipe	02.10.26

Tracy Chalifoux LLC
Landscape Architect
7 King Street, Danbury, CT 06811
Office: 845-364-1360
E-mail: tchalifoux@gmail.com

STEVEN DANZER, PhD & ASSOCIATES LLC
Wetlands & Environmental Consulting
WWW.CTWETLANDSCONSULTING.COM
203 451-8319
WETLAND BOUNDARIES • POND & LAKE MANAGEMENT • CONSTRUCTION FEASIBILITY CONSULTATIONS • ENVIRONMENTAL STUDIES

Seal: STATE OF CONNECTICUT — TRACY LEE CHALIFOUX — REGISTERED LANDSCAPE ARCHITECT — No. 1185

Project Title: **WETLAND PLAN**

PREPARED FOR:
JOSEPH AND REGINA JULIANO

Location: 17 APPLEGATE LANE, TRUMBULL, CT

Graphic Scale and North Arrow: 0 10' 20'

Date: September 19, 2025

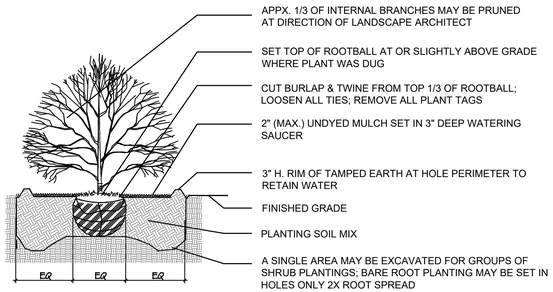
Scale: 1"=10'-0" | Checked: SD | Drawn: TLC

Drawing Title: POOL SITE PLAN

RECD 5/15/2026

Drawing No.: **SP-1**

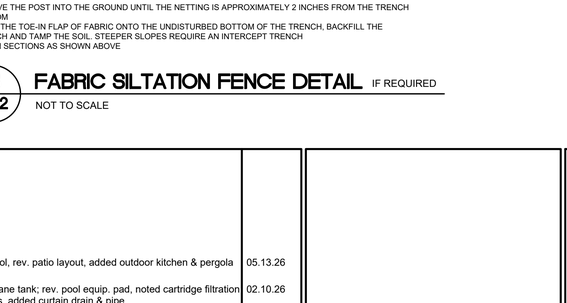
SHEET 1 OF 2



NOTE: FOR ALL CONTAINER GROWN PLANTS, REMOVE FROM CONTAINER JUST PRIOR TO PLANTING AND MAKE VERTICAL INCISIONS ALONG THE SURFACE OF THE ROOTBALL WITH A SHARP INSTRUMENT. CUT THROUGH CIRCULAR ROOTS AND GENTLY COMB OUT ROOTS.

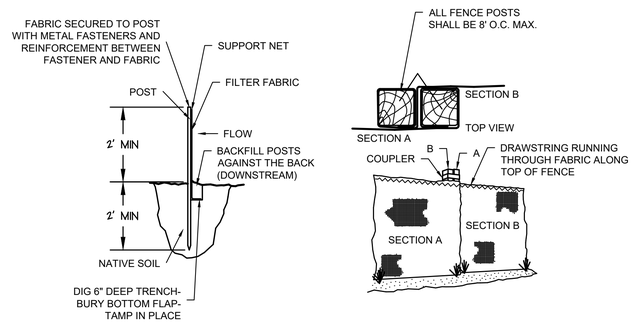
1 SP-2 SHRUB PLANTING DETAIL

NOT TO SCALE



2 SP-2 DECIDUOUS TREE PLANTING DETAIL

NOT TO SCALE



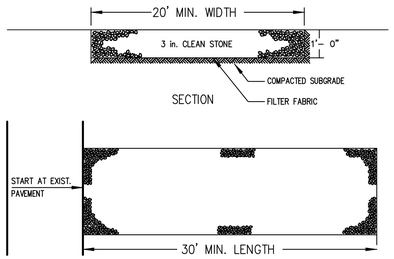
TOE-IN METHOD

JOINING SECTIONS OF FENCING

INSTALLATION NOTES:
1. ALL INSTALLATION AS PER ASTM STANDARDS
2. EXCAVATE A 6 INCH TRENCH ALONG THE LOWER PERIMETER OF THE SITE
3. UNROLL A SECTION AT A TIME AND POSITION WALL OF THE TRENCH (NET SIDE AWAY FROM DIRECTION OF FLOW)
4. DRIVE THE POST INTO THE GROUND UNTIL THE NETTING IS APPROXIMATELY 2 INCHES FROM THE TRENCH BOTTOM
5. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH, BACKFILL THE TRENCH AND TAMP THE SOIL. STEEPER SLOPES REQUIRE AN INTERCEPT TRENCH
6. JOIN SECTIONS AS SHOWN ABOVE

3 SP-2 FABRIC SILTATION FENCE DETAIL IF REQUIRED

NOT TO SCALE



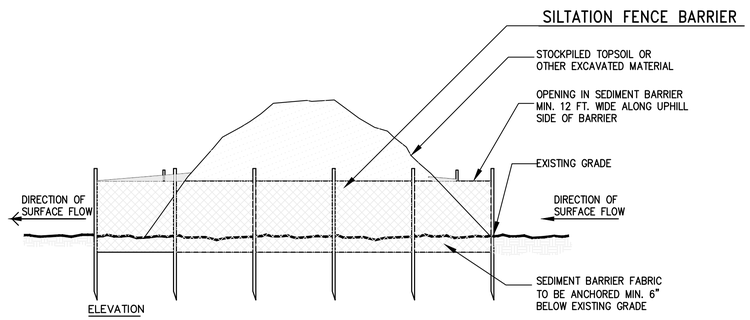
PLAN

INSTALLATION NOTES

1. STONE SIZE – USE 3" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH – AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
3. THICKNESS – NOT LESS THAN SIX (6) INCHES.
4. WIDTH – 20 FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCUR.
5. FILTER CLOTH – WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER – ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE – THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT OF WAY THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHT OF WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING – WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT OF WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

4 SP-2 STABILIZED CONSTRUCTION ACCESS DETAIL

NOT TO SCALE



5 SP-2 STOCKPILE DETAIL

SCALE: N.T.S.

RECD 5/15/2026

Revisions	Date
Added plant bed at pool, rev. patio layout, added outdoor kitchen & pergola	05.13.26
Added proposed propane tank; rev. pool equip. pad, noted cartridge filtration added native plantings, added curtain drain & pipe	02.10.26

Tracy Chalifoux LLC
Landscape Architect
7 King Street, Danbury, CT 06811
Office: 845-364-1360
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Seal

STATE OF CONNECTICUT · TRACY LEE CHALIFOUX · No. 1189 · REGISTERED LANDSCAPE ARCHITECT

Project Title

WETLAND PLAN

PREPARED FOR:
JOSEPH AND REGINA JULIANO

Location: 17 APPLEGATE LANE, TRUMBULL, CT

Graphic Scale and North Arrow

Date: September 19, 2025

Scale: AS SHOWN | Checked: SD | Drawn: TLC

Drawing Title: EROSION CONTROL & PLANTING DETAILS

Drawing No.: SP-2

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL

APPLICATION FOR PERMIT

SECTION I

Application No. Revised
26-10
RECD 5/19/2026

1. Location/address of property where activity is proposed: 33 BROADWAY - TRUMBULL CT 06611

   Parcel Size 0.500 A.C. Zone: A Map ID: _____ Current Use: RESIDENTIAL

2. Applicant's Name: MACHADOS PROPERTIES LLC

   Applicant's Address: 247 PARK LANE - TRUMBULL CT 06611

   Telephone: _____ Cell: (203 648 1410 Email: machadoscarpentryllc@gmail.com

   Applicant's interest in property (Lessee, Licensee, Owner, etc.): SELL

3. Name of Property Owner of Record: MACHADOS PROPERTIES LLC - RONALDO MACHADO

   If the owner is a corporation, or other non-individual entity, include the primary contact information

   Address of Owner of Record: 247 PARK LANE - TRUMBULL CT 06611

   Telephone: _____ Cell: (203 648 1410 Email: machadoscarpentryllc@gmail.com

   If Applicant is the Owner, go to #5

4. The undersigned hereby authorizes Veronica Ventreschi Design LLC to act as Agent on my behalf as related to this application.

   Ronaldo Machado
   (Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities (use separate sheet if necessary):

   Proposed project is to build a single-family residence. Proposed foundation will consist of a full, unfinished basement covering the footprint of the house. Garage over slab and corresponding footing. The main structure will be a two-story, Colonial-style.
   A retaining wall will be incorporated at the rear lot line due to the slope of the existing side yard. On the left side, three (3) trees will be removed due to natural degradation and poor condition.
   Note: This property has already received approval for a retaining wall permit (not yet constructed) and a foundation permit (constructed along with the drainage system).

The applicant understands that this application is to be considered complete only when all information and documents required by the Agency have been submitted.
The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false statement according to the best of his/her knowledge and belief.
Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent (s) to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section 7.5 of the IWWC Regulations.

Applicant's Signature: Veronica Ventreschi Design Date: 5/4/2026
(If not the Owner)

Owner's Signature: Ronaldo Machado Date: 5/4/2026

SECTION II

SITE PLAN REQUIREMENTS

1. Total property area: 0.500 a.c. Zone: A Number of Lots: 1
2. Map ID, from assessors card: E04 & 36
3. Total area existing of wetlands on property: 10 344 SQFT
4. Total area of Regulated area on property: 1,424 SQFT
5. Wetlands area to be disturbed: N/A
6. Upland Review area to be disturbed: N/A
7. Proposed % of wetlands on the property to be disturbed: N/A
8. Total area of proposed land disturbance: ATTACHED SITE PLAN
9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield: Yes _____ No X (If yes, see Section 8.2 of the Trumbull IWWC Regulations.)
10. Is any portion of the site located within a water company watershed: Yes _____ No X (If yes, see Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)
11. Existing property coverage type data:

	Percent of Regulated Area:	**Dominant Species**:
Trees:		
Shrubs:		
Grasses, weeds, etc:		
Impervious area:		

12. Existing watercourse data and open water characteristics: (if applicable)
    a. Size of pond(s) or lake(s): N/A
    b. Stream characteristics: intermittent or permanent: N/A
    c. 100 year flood evaluation: 500 YEAR FLOOD ZONE - ATTACHED SITE PLAN
13. Probable effect of proposal (if any) on vegetation and wildlife: N/A
14. Existing or proposed source(s) of water supply for the property: CITY WATER
15. Existing or proposed method of sewage disposal for the property: CITY SEWER
16. Creation of proposed water bodies (if yes, detailed information will be required): Yes: _____ No: _____
17. List proposed measures to protect regulated and inland wetland areas from:
    a. Erosion and sedimentation: Underground drainage - cultec on regulated area
18. Proposed percent of Regulated area to be covered with impermeable surface: Attached site plan
19. Material to be (check all that applies): deposited ☐ excavated ☒ (if yes, complete the following):
    a. Area: 10 344 sqft [0.237ac] Volume: +/- 11,000
    b. Physical & Chemical composition of material to be deposited: N/A

From: Mike Cerreta
To: Tatiana Solovey
Cc: Colleen Lombardo
Subject: RE: 33 Broadway
Date: Friday, May 29, 2026 7:11:19 AM
Attachments: image003.png
image004.png
image005.png
image006.png
6540 Main st. Survey.pdf

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Hi Tatiana, after surveying the lot on 35 Broadway adjacent to my property on 6540 Main street I see the encroachment on my property line. the trees are well buried and will die in the next year or so. I would like the neighboring property owner to remove the trees properly and replace them with 6'-8'evergreens (green giants) every 6' staggered below I have circled the trees that are buried and should be removed and replaced in a timely manner. (3months) I have attached my Survey and highlighted the areas he seemed to encroached.





Thanks, Mike

Michael A. Cerreta

CERRETA BUILDERS

6540 Main Street
Suite 12

Trumbull, CT 06611
Office 203-268-2225
Cell 203-209-3080

mike@cerretabuilders.com
www.cerretabuilders.com

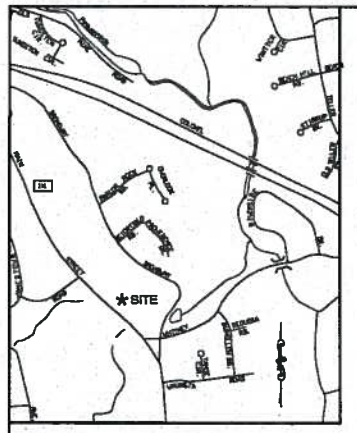
From: Tatiana Solovey <tatianas@trumbull-ct.gov>
Sent: Thursday, May 28, 2026 9:07 AM
To: Mike Cerreta <mike@cerretabuilders.com>
Cc: Colleen Lombardo <clombardo@trumbull-ct.gov>
Subject: 33 Broadway

Mike,

As you are aware, there has been encroachment onto your property from 33 Broadway. If you have any requests for the IWWC Commission to consider, please submit a letter to IWWC Clerk (cc'd here) prior to their June 2nd meeting.
Thank you.

Best,

Tatiana Solovey, PE
Assistant Town Engineer
Town of Trumbull
Engineering / IWWC / WPCA
tatianas@trumbull-ct.gov
203-452-5050

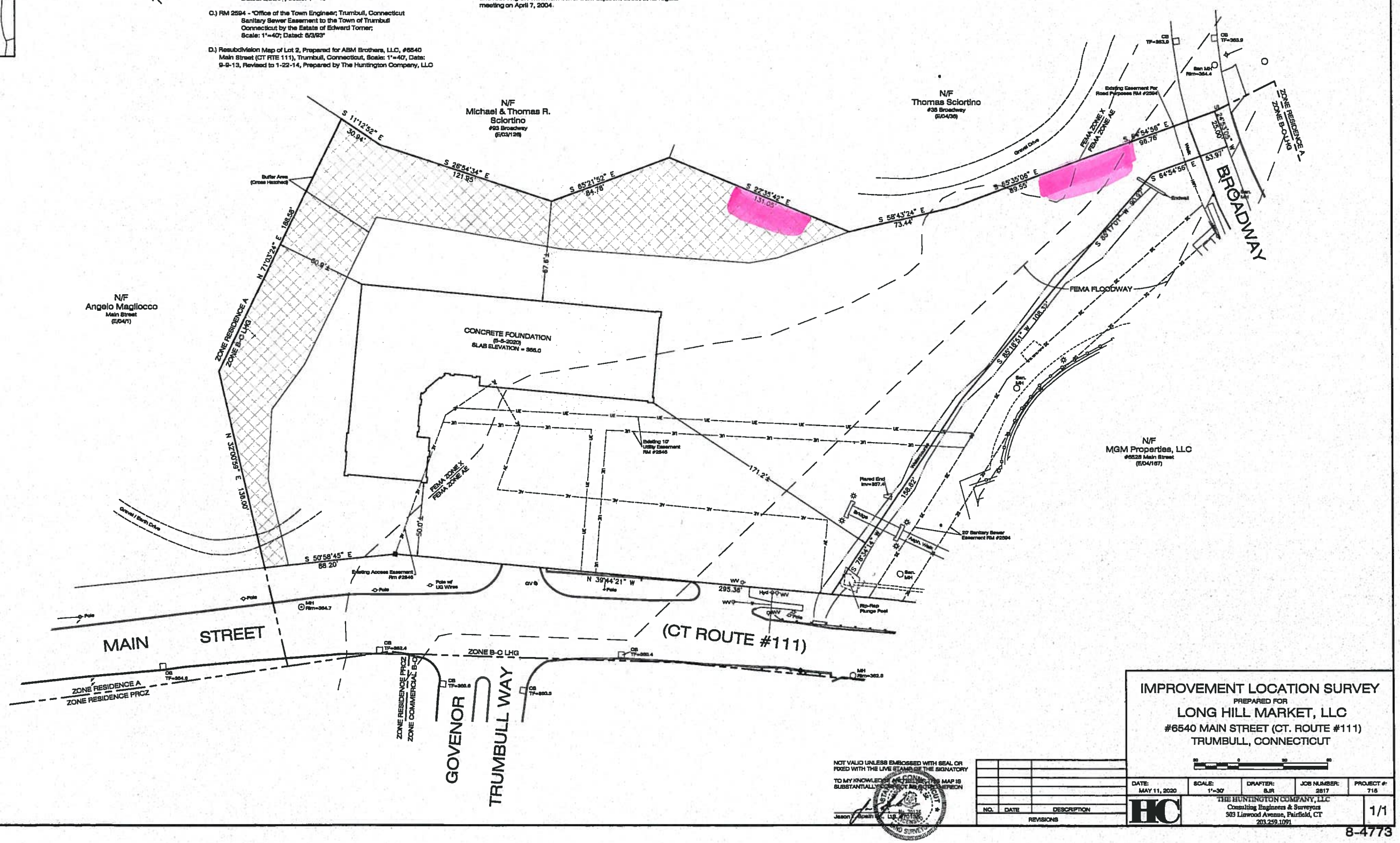


NOTES:

1. This survey and map has been prepared in accordance with the Sections 20-300b-1 through 20-300b-20 of the Regulations of Connecticut State Agencies - "Minimum Standards for Survey and Maps in the State of Connecticut" as endorsed by the Connecticut Association of Land Surveyors, Inc. It is an Improvement Location Survey based upon a Resurvey and conforms to Horizontal Accuracy Class A-2.
2. Reference is made to the following documents on file in the Fairfield Town Clerk's Office:
   - A.) RM 3240 - "Subdivision Map; Map Showing Subdivision of Land Prepared for: ABM Brothers, LLC; 6540 Main Street (CT RTE #111); Trumbull, Connecticut; Scale: 1"=40'; Dated: 9/13/05; Revised to: 8/29/06; Prepared by: Spath-Bjorklund Associates, Inc."
   - B.) RM 2846 - "Map of Property in Trumbull, Connecticut, Showing Easements; Prepared for: Charles D. Torner Et Al; Dated: 2/26/97; Scale: 1"=40"
   - C.) RM 2594 - "Office of the Town Engineer; Trumbull, Connecticut Sanitary Sewer Easement to the Town of Trumbull Connecticut by the Estate of Edward Torner; Scale: 1"=40'; Dated: 6/3/93"
   - D.) Resubdivision Map of Lot 2, Prepared for ABM Brothers, LLC, #6540 Main Street (CT RTE 111), Trumbull, Connecticut, Scale: 1"=40', Date: 9-9-13, Revised to 1-22-14, Prepared by The Huntington Company, LLC
3. The underground utilities shown, if any, have been located from visible field survey information. The surveyor makes no guarantees that the underground utilities shown comprise all such utilities in the area either in service or abandoned. The surveyor further does not warrant that the underground utilities shown are in the exact location indicated. The surveyor has not physically located the underground utilities, unless specifically noted as such. It is the Contractor's responsibility to contact CALL BEFORE YOU DIG (CBYD) prior to commencement of any excavation, Dial 811 or 1-800-922-4455.
4. Property is located in FEMA Zone AE & X. Per Flood Insurance Rate Map #09001C0288F, Effective Date: June 18, 2010; Panel 288 of 626.
5. Vertical Datum: NGVD 29.
6. The north arrow is based on the map referenced in note #2A.
7. A Zoning Board of Appeals Variance has been granted on this parcel with regards to reducing the minimum buffer from Residence Zone 'A' and reducing the minimum buffer from adjacent street at its regular meeting on April 7, 2004.
8. Total Parcel Area: #6540 = 131,317 sf, 3.01 ac.
9. Parcel is located in Zone: BC-LHG (Long Hill Green)
10. Reference is hereby made to Connecticut General Statute 8-13a, as amended, with regards to existing structures three or more years old.
11. It is the owners and/or contractor's responsibility to obtain any and all required permits and/or variances that may be required prior to any construction activity.
12. Proposed calculations are based on architectural plans submitted by the client. In some cases dimensions are scaled. It is the contractor's responsibility to adjust for siding that will be added to the structure with respect to coverage and setbacks. The surveyor assumes no responsibility for details that are not submitted for our review.

ZONE B - C LHG	MINIMUM REQUIRED MAXIMUM ALLOWED	PROPOSED CONDITIONS	AS-BUILT CONDITIONS
Minimum Lot Area	2 Acres	3.0±	3.01±
Minimum Lot Frontage	250 Ft	354±	383.56'
Setback From Street Line	15 Ft	50±	50.0±
Landscape Buffer From Street Line	10 Ft	8±	*
Setback From Side Property Lines	n/a	60.9±	60.9±
Setback From Rear Property Line	n/a	67.4±	67.6±
Maximum Building Height	35 Ft	2 Stories	*
Maximum Building Coverage	40%	11.8%	*
Maximum Impervious Area	n/a	61.1%	*
Interior Parking Landscaping	20 SF Per Space / 1,980	2,891±	*

Proposed Data taken from approved site plan By VHB Engineering, Surveying, Architecture, and Geology, PC. Revised Thru 10-3-19.
* Under Construction.



LEGEND

- BOULDER
- HYDRANT
- MANHOLE
- GAS VALVE
- UTILITY POLE
- WATER VALVE
- LAMP POST
- CATCH BASIN
- ELECTRIC BOX
- SIGN
- MAILBOX
- STONE BOUND
- HEDGE
- STONEWALL
- IW — IW — INLAND WETLANDS
- BL — BL — BUILDING SETBACK LINE
- X — X — METAL FENCE
- // — // — WOOD FENCE
- EXISTING CONTOUR LINE
- EXISTING SPOT ELEVATION

NOT VALID UNLESS EMBOSSED WITH SEAL OR INKED WITH THE LIVE SIGNATURE OF THE SIGNATORY

TO MY KNOWLEDGE AND BELIEF THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

Jason J. Rosati, L.S. #70125

NO.	DATE	DESCRIPTION
		REVISIONS

IMPROVEMENT LOCATION SURVEY

PREPARED FOR

LONG HILL MARKET, LLC

#6540 MAIN STREET (CT. ROUTE #111)
TRUMBULL, CONNECTICUT

DATE:	SCALE:	DRAFTER:	JOB NUMBER:	PROJECT #:
MAY 11, 2020	1"=30'	BJR	2817	715

THE HUNTINGTON COMPANY, LLC
Consulting Engineers & Surveyors
303 Linwood Avenue, Fairfield, CT
203.259.1091

1/1

8-4773

K:\projects\715\DWG\2817\2817_Foundation AsBuilt.dwg, Layout1, 5/12/2020 7:04:28 AM

Evans & Lewis, LLC
93 Greenwood Avenue
Bethel, CT 06801
(203) 743-7644

May 8, 2026

Town of Trumbull
Building Department
5866 Main Street
Trumbull, CT 06611

Re: Property located at 33 Broadway, Trumbull, CT
Applicant: Ronaldo Machado

Dear Sir or Madam:

Recently a permit to construct was issued to Mr. Ronaldo Machado with respect to the property as referenced above. Per your website, "[t]he responsibility of the Building Department is to review all construction documents for compliance with the Connecticut State Building Code, and to issue necessary permits." In this case, Mr. Machado made an application for a permit, and one was issued. Now, some time into the construction process, Mr. Machado has been confronted by the Town Engineering Department which has expressed concerns, expressed as "comments" as concerns the plans for the improvements to this property. It was suggested at a recent meeting that Mr. Machado may have to relocate the driveway in order to assuage the concerns raised by the Engineering Department.

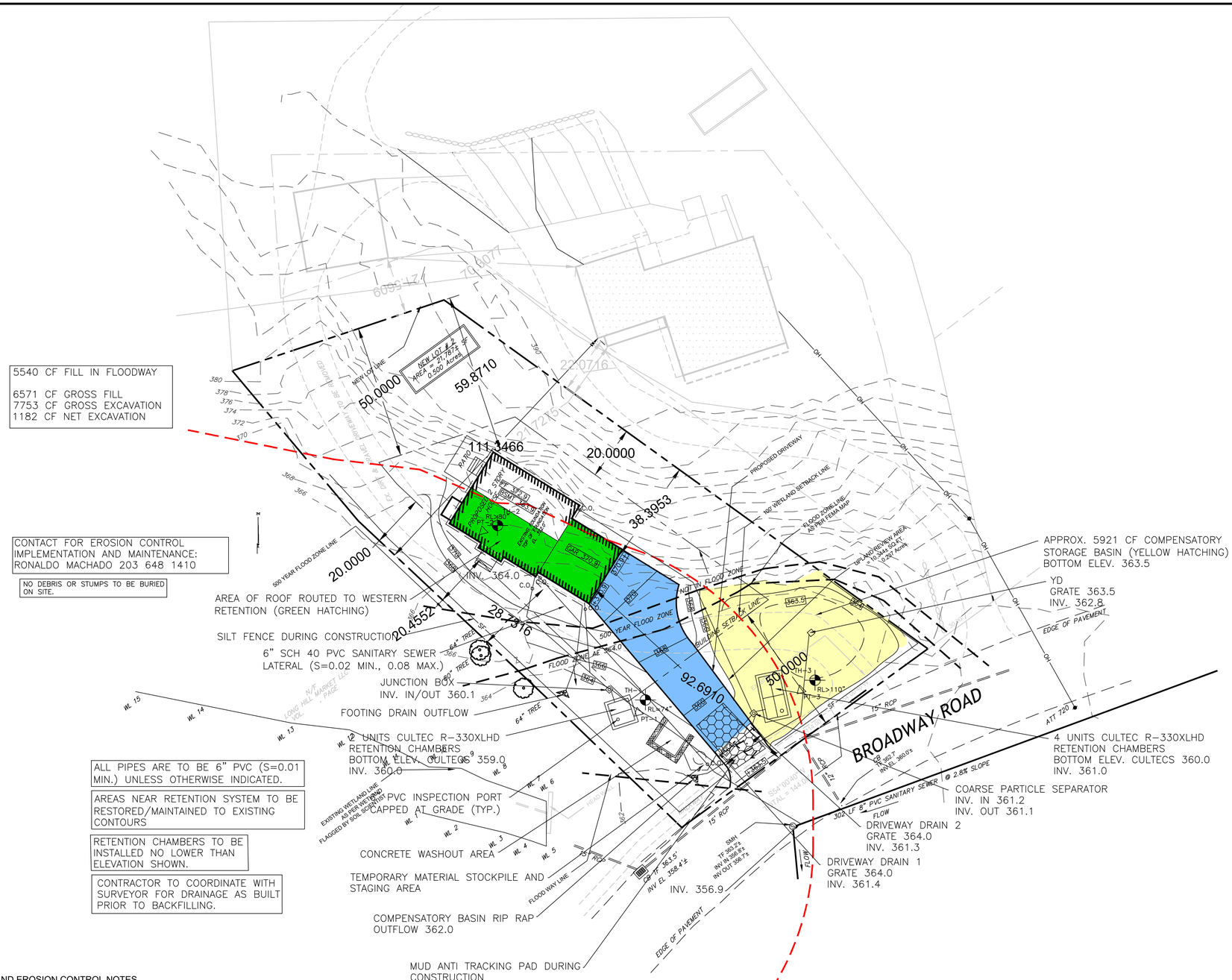
Mr. Machado has committed time and resources to construct the improvements to this property based on the plans he submitted and the permit which was issued. He should not now have to re-submit plans, or move improvements, to satisfy one of the land use departments, when the building department, charged with the "review of construction documents for compliance" has issued it's permit.

Please advise at your earliest convenience. Thank you.

Very truly yours,

Douglas J. Lewis

Cc: Ronaldo Machado



GENERAL CONSTRUCTION NOTES:

1. CONSTRUCTION AND STRUCTURES SHALL COMPLY WITH ALL MUNICIPAL OR STATE REQUIREMENTS. ALL WORK SHALL BE CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER, TO THE SATISFACTION OF THE ENGINEERING BUREAU, THAT CONSTRUCTION IS IN ACCORDANCE WITH THESE PLANS.
2. THE ENGINEERING BUREAU OF THE DEPARTMENT OF PUBLIC WORKS AND THE ENGINEER OF RECORD SHALL BE NOTIFIED THREE DAYS PRIOR TO THE COMMENCEMENT OF EACH PHASE OF CONSTRUCTION.
3. NO CERTIFICATE OF CONFORMANCE TO STANDARDS SHALL BE ISSUED BY THE DESIGN ENGINEER IF PROPER NOTICE IS NOT PROVIDED FOR INSPECTIONS OR IF INSPECTIONS ARE NOT MADE PRIOR TO BACKFILLING OF BELOW GROUND STRUCTURES AND APPURTENANCES. A DETAILED AS BUILT FROM A LICENSED SURVEYOR OF ALL DRAINAGE ITEMS' LOCATION AND ELEVATIONS WILL BE REQUIRED.
4. SUBSURFACE STRUCTURES AND UTILITIES HAVE BEEN DETERMINED FROM EXISTING RECORDS AND ARE NOT GUARANTEED TO BE COMPLETE OR ACCURATE. IN ORDER TO AVOID CONFLICT OF THE PROPOSED WORK AND EXISTING UTILITIES, THE CONTRACTOR SHALL LOCATE EXISTING UTILITIES BY EXCAVATING TEST HOLES. IF THE CONTRACTOR DETERMINES THAT A CONFLICT EXISTS, HE SHALL IMMEDIATLEY NOTIFY THE ENGINEER, WHO WILL MAKE THE NECESSARY ADJUSTMENTS.
5. EXISTING PROPERTY AND UTILITY INFORMATION WAS TAKEN FROM A SURVEY BY CT LAND SURVEYING LLC TITLED "DIVISION OF PROPERTY SURVEY PREPARED FOR MACHADOS PROPERTIES LLC", DATED APRIL 8, 2025.
6. ALL SANITARY SEWER PIPE SHALL BE EITHER SDR-35 P.V.C. (ASTM D-3034) OR CLASS 52 DUCTILE IRON (ANSI A 21-51), AS INDICATED ON THE PLANS, UNLESS OTHERWISE INDICATED. ALL SANITARY SEWER PIPE SHALL HAVE RUBBER GASKET SLIP-TYPE JOINTS. INFILTRATION INTO SANITARY SEWERS SHALL NOT EXCEED 150 GALLONS PER INCH OF PIPE DIAMETER PER MILE OF PIPE IN 24 HOURS.
7. THESE PLANS ARE FOR MUNICIPAL OR STATE AGENCY APPROVAL ONLY. NOT FOR CONSTRUCTION.
8. NO PIPE SHALL HAVE A BEND OF GREATER THAN 45 DEGREES.
9. THE CONTRACTOR SHALL NOTIFY "CALL BEFORE YOU DIG" AT 1-800-922-4455, OR OTHER APPROPRIATE CONTACT POINT PRIOR TO START OF CONSTRUCTION.
10. ALL UTILITY LOCATIONS ARE APPROXIMATE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE LOCATION OF THE UTILITIES IN THE FIELD BY WHATEVER MEANS HE DEEMS PRUDENT.
11. THIS DESIGN CONFORMS TO APPLICABLE CODES AND ACCEPTED PRACTICE, NO OTHER WARRANTY IS EXPRESSED OR IMPLIED.
12. TOTAL SITE AREA = 0.500 ACRES

LOCATION MAP



SEDIMENTATION AND EROSION CONTROL NOTES

1. LAND DISTURBANCE SHALL BE KEPT TO A MINIMUM. PERMANENT STABILIZATION SHALL BE SCHEDULED AS SOON AS FINAL GRADES ARE ESTABLISHED.
2. ALL DISTURBED AREAS SHALL BE FINE GRADED AND SEEDED WITH AN APPROVED SEED MIXTURE. COVER NEWLY SEEDED AREAS WITH MULCH HAY OR SALT HAY.
3. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE 2023 CONNECTICUT 'GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL' HANDBOOK.
4. ALL CONTROL MEASURES SHALL BE MAINTAINED IN EFFECTIVE CONDITION THROUGHOUT THE CONSTRUCTION PERIOD. CHECK AFTER EACH STORM EVENT.
5. ADDITIONAL CONTROL MEASURES SHALL BE INSTALLED DURING THE CONSTRUCTION PERIOD, IF REQUIRED BY TOWN AUTHORITIES.
6. SEDIMENT DEPOSITS REMOVED FROM FILTER BARRIERS SHALL BE PLACED IN FILL AREAS OR SPREAD WHERE THERE IS PROPOSED VEGETATIVE COVER. ANY SEDIMENT DEPOSITS REMAINING AFTER THE FILTER BARRIER IS REMOVED SHALL BE FINE GRADED AND PLANTED ACCORDING TO PLAN.
7. THE SITE CONSTRUCTION CONTRACTOR IS ASSIGNED THE RESPONSIBILITY FOR IMPLEMENTING THIS EROSION AND SEDIMENT CONTROL PLAN. THIS RESPONSIBILITY INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES ENGAGED ON THE CONSTRUCTION SITE OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, NOTIFYING THE PLANNING AND ZONING OFFICE (AND/OR THE CONSERVATION COMMISSION) OF ANY TRANSFER OF THIS RESPONSIBILITY AND CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF THE TITLE TO THE LAND IS TRANSFERRED TO A NEW OWNER.

GRAPHIC SCALE
20 0 20 40
1 inch = 20 feet

STATE OF CONNECTICUT WAYNE J. D'ANDREA No. 24877 LICENSED PROFESSIONAL ENGINEER

REV. 5/11/26: DRIVEWAY REVISED.
REV. 12/26/25: FOOTPRINT.

RONALDO MACHADO

33 BROADWAY ROAD TRUMBULL, CONNECTICUT

7-11-25 date

DRAINAGE PLAN

CIVIL ENGINEERS

2671 project

1 OF 2 sheet

Fairfield County Engineering LLC
FAIRFIELD COUNTY ENGINEERING L.L.C.
60 WINFIELD STREET, NORWALK, CONNECTICUT 06855 PH: (203) 831-8005 wayne@fairfieldce.com

2671_260511Drainage

FCE Project #	2671	**Date Performed:**	7/15/25		
Client:	Ronaldo Machado				
Location:	35 Broadway Road, Trumbull				
Observed by:	Wayne D'Avanzo				
Test Hole 1:					
	0-57"	Topsoil/ Misc Fill			
	57-74"	Dark Brown Loam			
	No Ground Water				
	No Mottling				
	Ledge @ 74"				
Test Hole 2:					
	0-24"	Topsoil/ Misc Fill			
	24-80"	Brownish Grey Sandy Silt			
	No Ground Water				
	No Mottling				
	No Ledge				

Conducted by:	Wayne D'Avanzo		Project:	2671	
Location:	35 Broadway Road		Town:	Trumbull	
Client :	Ronaldo Machado		Date:	7/15/25	
Weather conditions prior to and during tests: Clear					
Single Lot:	X	Subdivision:			
Diameter of Hole:	8"	Depth of Hole:	24"		

PT-1 **Design**

Pre-Soak @: 11:00 AM **3.0"/Hr. (2.0 F**

Time	Time Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
12:10 PM	----	4 1/2"	----	----
12:20 PM	10 Min.	8 1/2"	4"	2.5 Min.
12:30 PM	10 Min.	11 1/2"	3"	3.3 Min.
12:40 PM	10 Min.	13 3/4"	2 1/4"	4.4 Min.
12:50 PM	10 Min.	15 1/2"	1 3/4"	5.7 Min.
1:00 PM	10 Min.	17"	1 1/2"	6.7 Min.
1:10 PM	10 Min.	18"	1"	10.0 Min.

Single Lot:	X	Subdivision:			
Diameter of Hole:	8"	Depth of Hole:	23"		

PT-2 **Design**

Pre-Soak @: 11:05 AM **3.0"/Hr. (2.0 F**

Time	Time Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
12:15 PM	----	5"	----	----
12:25 PM	10 Min.	8 1/2"	3 1/2"	2.9 Min.
12:35 PM	10 Min.	11 1/4"	2 3/4"	3.6 Min.
12:45 PM	10 Min.	13 1/2"	2 1/4"	4.4 Min.
12:55 PM	10 Min.	15 1/8"	1 5/8"	6.2 Min.
1:05 PM	10 Min.	16 5/8"	1 1/2"	6.7 Min.
1:15 PM	10 Min.	17 5/8"	1"	10.0 Min.

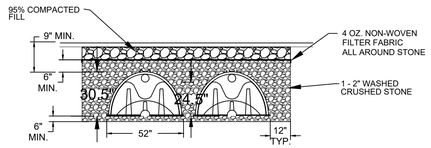
FCE Project #	2671	**Date Performed:**	5/11/26		
Client:	Ronaldo Machado				
Location:	35 Broadway Road, Trumbull				
Observed by:	Wayne D'Avanzo				
Test Hole 3:					
	0-24"	Topsoil/ Misc Fill			
	24-60"	Brown SiltyLoam			
	60-110"	Dark Brown Gravel and Silt			
	No Ground Water				
	No Mottling				
	No Ledge				
	Roots to 54"				

Conducted by:	Wayne D'Avanzo		Project:	2671	
Location:	35 Broadway Road		Town:	Trumbull	
Client :	Ronaldo Machado		Date:	5/11/26	
Weather conditions prior to and during tests: Clear					
Single Lot:	X	Subdivision:			
Diameter of Hole:	8"	Depth of Hole:	25"		

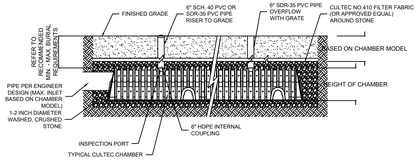
PT-3 **Design**

Pre-Soak @: 9:00 AM **3.0"/Hr. (2.0 F**

Time	Time Increment	Depth to Water	Drop in inches	Soil Percolation Rate Time to drop 1 inch
11:10 AM	----	5"	----	----
11:20 AM	10 Min.	8 1/2"	3 1/2"	2.9 Min.
11:30 AM	10 Min.	11 1/4"	2 3/4"	3.6 Min.
11:40 AM	10 Min.	12 1/2"	1 1/4"	8.0 Min.
11:50 AM	10 Min.	13 3/4"	1 1/4"	8.0 Min.
12:00 PM	10 Min.	14 7/8"	1 1/8"	8.9 Min.
12:10 PM	10 Min.	15 7/8"	1"	10.0 Min.

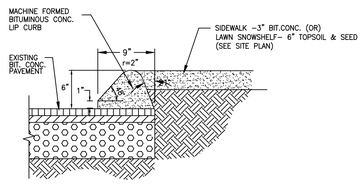


CULTEC RECHARGER 330XLHD
TYPICAL CROSS SECTION

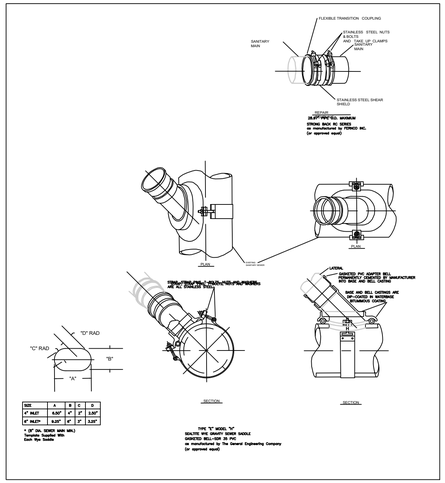


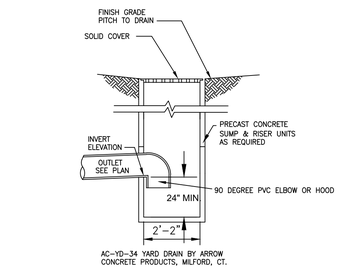
NUMBER OF UNITS SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.

CULTEC INSPECTION PORT AND OVERFLOW
(AS APPLICABLE)



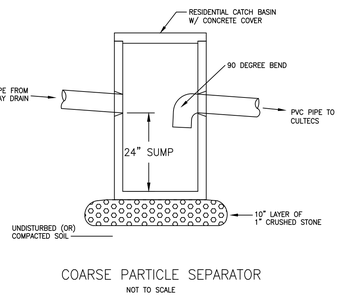
BIT. CONC. CURB
NOT TO SCALE



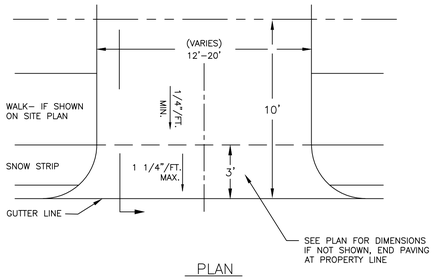


AC-YD-34 YARD DRAIN BY ARROW CONCRETE PRODUCTS, MILFORD, CT.

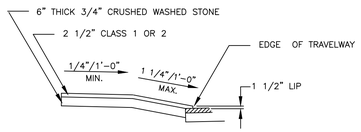
JUNCTION BOX
NOT TO SCALE



COARSE PARTICLE SEPARATOR
NOT TO SCALE

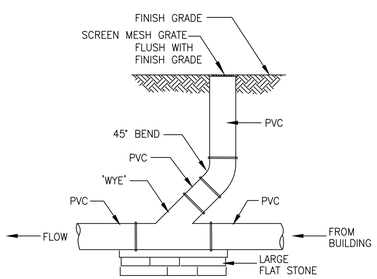


PLAN

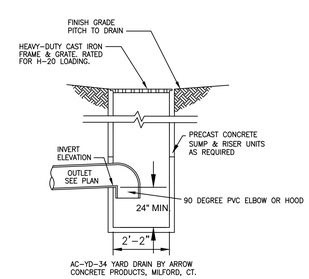


SECTION

ASPHALT DRIVEWAY APRON
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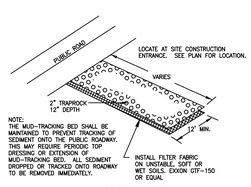


TYPICAL CLEANOUT
NOT TO SCALE

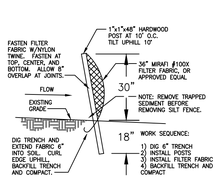


AC-YD-34 YARD DRAIN BY ARROW CONCRETE PRODUCTS, MILFORD, CT.

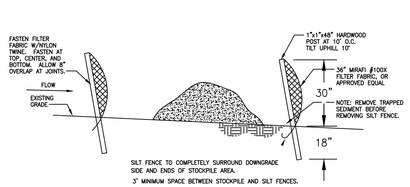
DRIVEWAY/YARD DRAIN
NOT TO SCALE



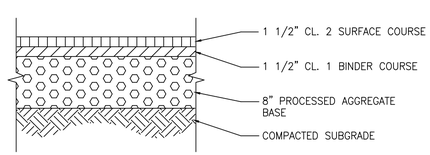
MUD-TRACKING BED
NOT TO SCALE



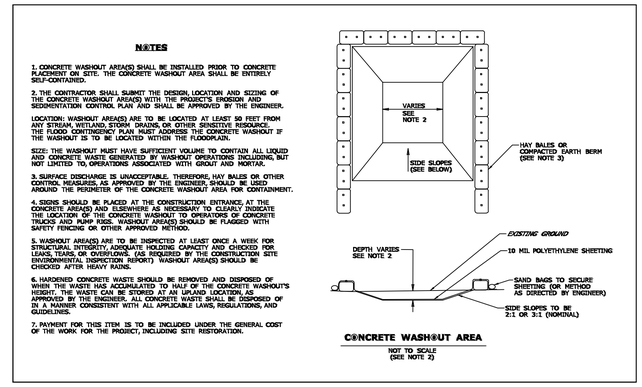
SILT FENCE
NOT TO SCALE



STOCKPILE PROTECTION
NOT TO SCALE



DRIVEWAY PAVEMENT
NOT TO SCALE



Stormwater Facilities Maintenance Plan

Machado Properties LLC

33 Broadway Road, Trumbull, CT

Scope:

The purpose of the Stormwater Facility Maintenance Plan is to ensure that the proposed stormwater components to be installed at 33 Broadway Road are maintained by the property owner in operational condition throughout the life of the project.

Recommended Frequency of Service:

All of the stormwater components installed for this property shall be checked periodically by the Owner and kept in full working order. Ultimately, the frequency of inspection and service cleaning depends on the amount of runoff, pollutant loading and interference from debris (leaves, vegetation, trash, etc.); however it is recommended that the facility be inspected and cleaned a minimum of four times a year. The guidelines for the timing of service include early spring, after the last snowfall, and late fall after the leaves have fallen from the trees.

Service Procedures:

1. Cultec retention chambers: The maintenance of the Cultec chambers shall be in accordance with the aforementioned schedule. The units shall be inspected via the inspection port and removed of sediment and debris as needed. The overflow grate shall be cleared of any accumulated debris.
2. Roof gutters: The roof gutters of the house shall be inspected and cleared of any leaves, twigs, debris, etc. This shall be done at in the early spring, and late fall after all of the leaves have fallen from trees.
3. Roof Leader: The maintenance of the roof leaders shall be in accordance with the aforementioned schedule and shall include the inspection of the leaders via the cleanouts and removal of any debris, obstruction and sediment.
4. Junction box: The maintenance of the junction box shall be in accordance with the aforementioned schedule and shall include the inspection of the structure's integrity. Debris shall be removed from the inlet and outlet pipes. The sump shall be cleaned of any silt or other debris or sediment.
5. Driveway Drains: The maintenance of the driveway drains shall be in accordance with the aforementioned schedule and shall include the inspection of the structure's integrity. Debris shall be removed from the grate and inlet and outlet pipes. The sump shall be cleaned of any silt or other debris or sediment.
6. Coarse Particle Separator: The maintenance of the Coarse particle separator shall be in accordance with the aforementioned schedule and shall include the inspection of the structure's integrity. Debris shall be removed from the inlet and outlet pipes. The sump shall be cleaned of any silt or other debris or sediment.

Reporting:

A maintenance log shall be kept by the Owner of each inspection outlining the items inspected and the maintenance performed. These logs shall be kept on file by the Owner, and must be shared with the Town upon request.

STATE OF CONNECTICUT WAYNE J. D'AVANZO No. 24877 LICENSED PROFESSIONAL ENGINEER

7-11-25
date

Fairfield County Engineering LLC

REV. 5/11/26: DRIVEWAY REVISED.
REV. 12/26/25: FOOTPRINT.

RONALDO MACHADO

33 BROADWAY ROAD TRUMBULL, CONNECTICUT

DETAIL SHEET

CIVIL ENGINEERS

2671
project

2 OF 2
sheet

FAIRFIELD COUNTY ENGINEERING L.L.C.
60 WINFIELD STREET, NORWALK, CONNECTICUT 06855 PH: (203) 831-8005 FAX: (203) 831-8006

2671_260511Drainage

Richard B. Rosiello
ROSIELLO DESIGNS, LLC
159 Grove Street
New Milford, CT 06776
860-488-6507
rosiellodesigns@gmail.com
Landscape Design ~ Planning ~ Inland/Wetland Mitigation ~ Permitting ~ Project Management

Town of Trumbull , CT
Inland Wetlands & Watercourses Commission
366 Church Hill Road
Public Works Admin Building
Trumbull, CT 06611

May 3, 2026

Dear Commission Members,

I have prepared the mitigation plan for the Machados Properties LLC, located at 33 Broadway Road, which lies in the Upland Review area. The design intent is to create layered plantings above the flagged wetlands to slow and infiltrate water on site and to be ecologically viable. The groupings of Clethra alnifolia, Diervilla lonicera, and Rhus aromatic 'Grow Low', are colonizing CT native shrubs which form dense thickets, holding soil, and outcompeting most weeds. The mid layer will be planted with larger growing shrubs of Aronia arbutifolia, Salix discolor, and Viburnum dentatum, all CT native species supporting biodiversity. To supplement the trees that are to be removed, I've selected Acer rubrum and Quercus bicolor and specified the mitigation planting size of a #3 container. Time has proven that the smaller caliper and root size of these container trees affords less transplant shock and faster establishment and needing less resources to do so. To minimize long term disturbance/activity in areas along the new drive and house, a mixed seeding of No-Mow Fescue and a NEWP NE Wildflower Seed Mix is specified.

In my experience a multilayered planting such as presented in an Upland Review Area will enhance the property while protecting the resource below.

Thank you for your attention to this. As I have not presented before your commission, please find my professional bio attached.

Respectfully submitted,
Richard B. Rosiello

x6 ACER RUBRUM AND/OR QUERCUS BICOLOR #3

x6 CORNUS AMOMUM AND/OR SALIX DISCOLOR #2

x3 MYRICA PENN AND/OR SAMBUCUS CAN. #3

x12 ARONIA ARB. AND/OR VIBURNUM DEN. #3

x17 CLETHRA ALN. AND/OR DIERVILLA LONICERA #3

x15 RHUS AROMATICA 'GRO LOW' #3

NO-MOW FESCUE 3lbs
&
NEWP: NE W/FLOWER MIX 1lb

TREES TO BE REMOVED

1
2
3
4
5
6
7
8
9
10
11
12

HEAD WALL

15" RCP

CB

WALKWAY

MITIGATION PLAN FOR

MACHADOS PROPERTIES LLC

33 BROADWAY RD., TRUMBULL, CT

SHEET # MP1. MAY 3, 2026

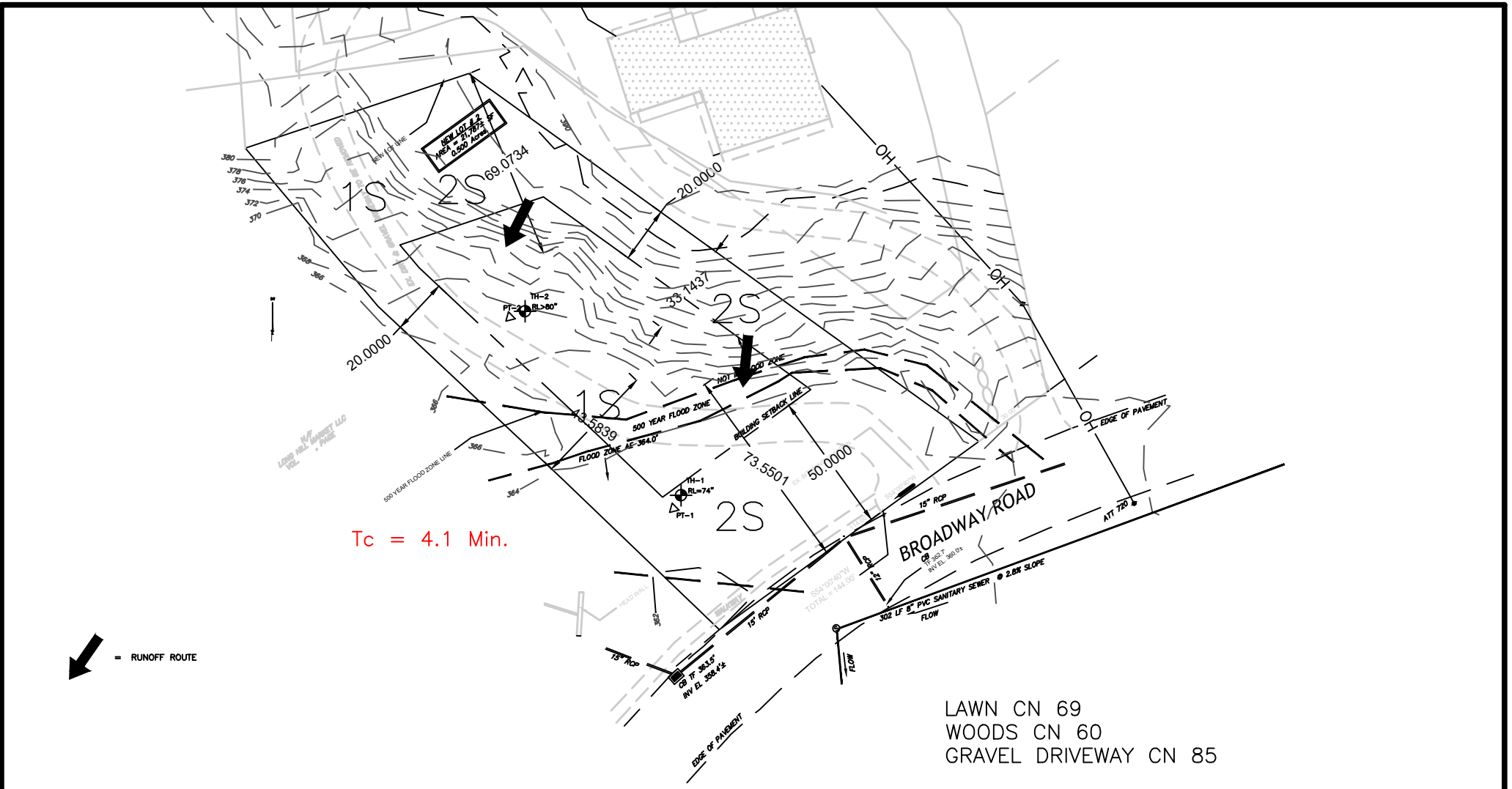
ROSIELLO DESIGN LLC

159 GROVE ST., NEW MILFORD, CT

SCALE: 1"=20'0"

0 5 10 15 20

* VERIFY ALL DIMENSIONS IN FIELD
* SUBSTITUTIONS AT TIME OF PLANTING ARE ACCEPTABLE UPON WEO APPROVAL
* BASED ON CT. LAND SURVEYING MAP - IMPROVEMENT LOCATION - 4/08/25



MACHADO PROPERTIES LLC

35 BROADWAY ROAD TRUMBULL, CONNECTICUT

EXISTING BASIN

5-11-26 date

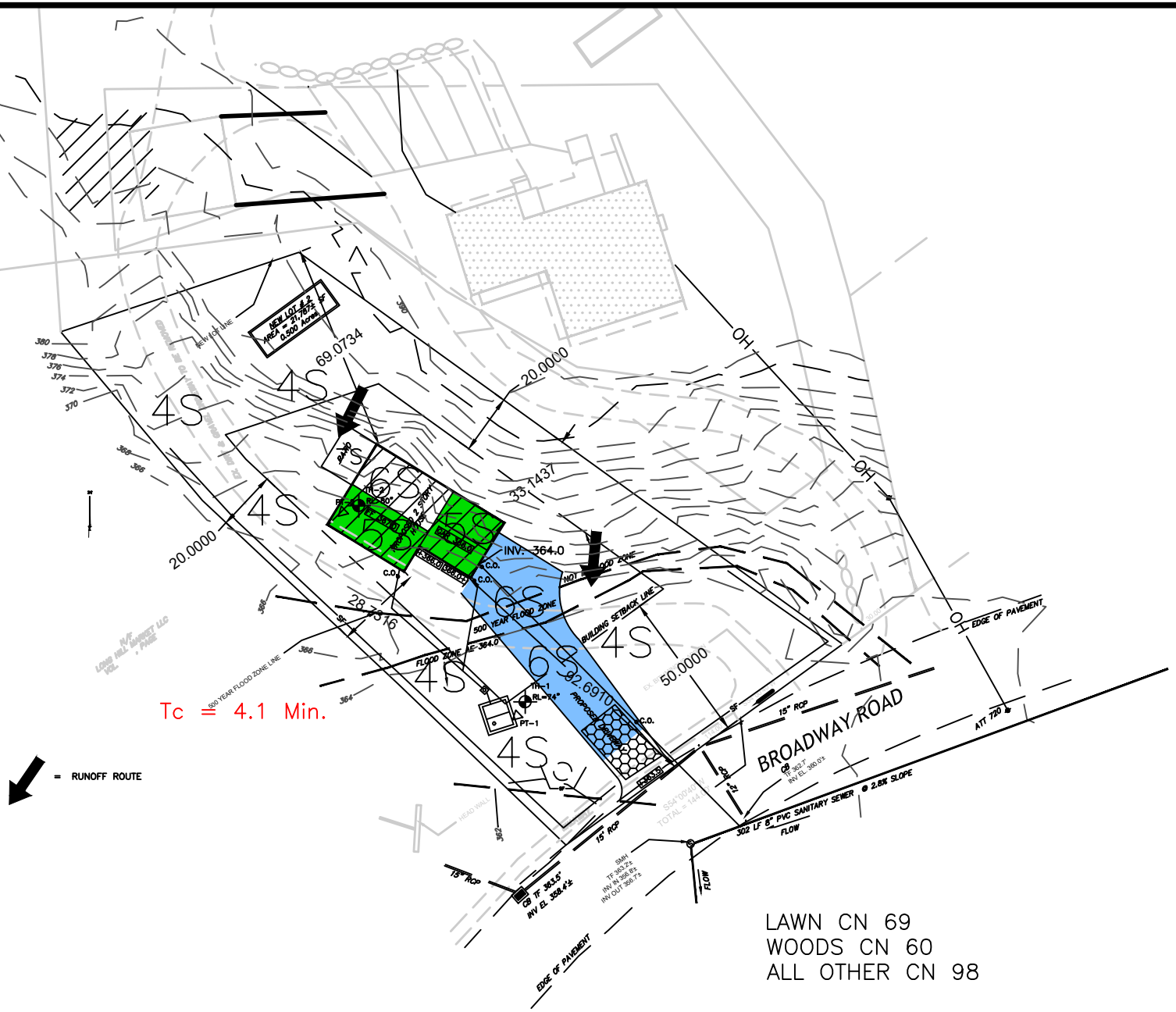
CIVIL ENGINEERS

26XX project

1 OF 1 sheet

FAIRFIELD COUNTY ENGINEERING L.L.C.

80 WINFIELD STREET, NORWALK, CONNECTICUT 06855 PH. (203) 831-8005 FAX. (203) 831-8006



MACHADO PROPERTIES LLC
35 BROADWAY ROAD TRUMBULL, CONNECTICUT
PROPOSED BASIN
5-11-26 date
CIVIL ENGINEERS
2671 project
1 OF 1 sheet
FAIRFIELD COUNTY ENGINEERING L.L.C.
60 WINFIELD STREET, NORWALK, CONNECTICUT 06855 PH: (203) 831-8005 FAX: (203) 831-8006





33 BROADWAY - AERAL VIEW

1 PHOTO 3/13/2024
[METROCOG]

2 PHOTO 4/12/2026

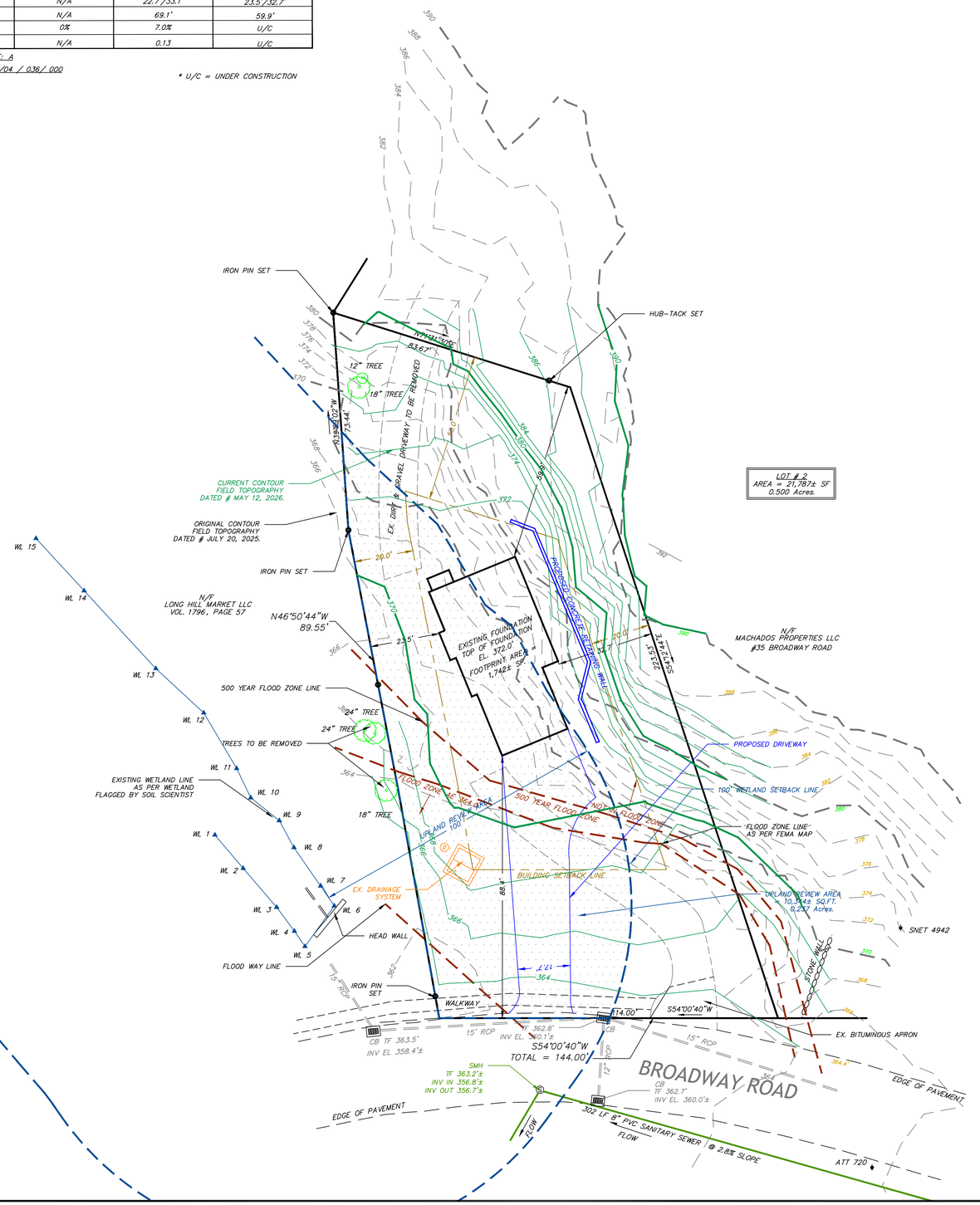
[DRONE]

STANDARD	MINIMUM/REQUIRED MAXIMUM/ALLOWED		EXISTING CONDITIONS		PROPOSED CONDITION		FOUNDATION AS BUILT	
Minimum Lot Area (Sq. Ft.)	21,780		21,787±		21,787±		21,787±	
Minimum Lot Frontage (Ft.)	125'		114.0'		114.0'		114.0'	
Minimum Floor Area (Sq.Ft.)	1st Floor	2nd Floor	1st Floor	2nd Floor	1st Floor	2nd Floor		
1 Story	1200	---	N/A	---	N/A	---	N/A	---
1 1/2 Story	900	500	N/A	N/A	N/A	N/A	N/A	N/A
2 Story	900	800	N/A	N/A	1375	1375	U/C*	U/C
Maximum Height for a Building or Structure	40'		N/A		32'±		U/C	
Minimum Front Yard (Ft.)	50'		N/A		90.8'		88.4'	
Minimum Side Yard (Ft.)	20'		N/A		22.7'/33.1'		23.5'/32.7'	
Minimum Rear Yard (Ft.)	50'		N/A		69.1'		59.9'	
Maximum Lot Coverage	25%		0%		7.0%		U/C	
Maximum Floor Area Ratio (F.A.R)	0.29		N/A		0.13		U/C	

BUILDING ZONE: A

ASSESSOR'S MAP & LOT NO # E/04 / 036/ 000

* U/C = UNDER CONSTRUCTION





LOCATION MAP

NOT TO SCALE

SURVEY NOTES

1. This Map has been prepared pursuant to the Regulation of Connecticut State Agencies Section 20-300b-1 through 20-300b-20 and the "Standards for Surveys and Maps in the State of Connecticut as adopted by the Connecticut Association of Land Surveyors, Inc. on Sept. 26, 1996 and Revised 08-29-2019.

2. This Survey conforms to Class A-2 & T-2.

3. The Type of survey performed is a Limited Property / Boundary Survey, and is intended to be Improvement Location Survey.

4. Boundary determination is based upon a Resurvey (see MAP REFERENCES and Record Deeds.)

5. North Arrow is based on Map Reference # 1.

6. This map is NOT VALID without a LIVE SIGNATURE and EMBOSSED SEAL.

7. This map is NOT VALID if altered or used by any party other than the one depicted in title block of this map.

8. Property Lines Established According to Record Deeds as exist.

9. Physical Features Such as Stone Walls, Wire Fences, Monuments, Iron Pins or Pipes, Etc. taken under consideration to establish current deed lines.

10. Underground Utility, Structure and facility Locations depicted and noted hereon have been compiled, in part, from record mapping supplied by the respective utility companies or government agencies, from parole testimony and from other sources. These Locations must be considered as approximate in nature. Additionally, other such features may exist on the site, the existence of which are unknown to this firm. The size, Location and existence of all such features must be field determined and verified by the appropriate authorities prior to construction. CALL BEFORE YOU DIG 1-800-922-4455.

11. Elevations Are Based on NAVD Datum.

12. Part Of Subject property under flood zone: AE EL. 364.0' per flood insurance rate map, community-panel number 09009C0288F effective date: June 18, 2010.

MAP REFERENCES

1. IMPROVEMENT LOCATION SURVEY FOR 35 & 93 BROADWAY ROAD,TRUMBULL,CT FOR JAMES FRACKER, DATED JUNE 02, 2024, SCALE 1" = 30'. PREPARED BY PAUL BOMBERO SR., 155 BEAR HILL ROAD,BETHANY,CT, PHONE NO # 203-530-9779.

2. RECORD MAP NO # 1662.

3. DIVISION OF PROPERTY SURVEY PREPARED FOR MACHADOS PROPERTIES LLC, 35 BROADWAY ROAD, TRUMBULL, PREPARED BY CT LAND SURVEYING LLC, DATED 04-08-2025, SCALE 1" = 20'.

PROPERTY SUBJECT TO:

1. PROPERTY SUBJECT TO AN EASEMENTS, RESTRICTIONS, RIGHTS AND ENCUMBRANCES AS OF RECORD APPEAR IN THE TRUMBULL LAND RECORDS.

IMPORTANT! READ!
WARNING AND DISCLAIMER OF LIABILITY UNDERGROUND UTILITIES

The user of this document is WARNED NOT TO RELY on the purported accuracy, scale, dimension, measurement, description, or elevations of any underground structure.

The Underground structures depicted hereon are for informational purpose only. The Preparer of this document DISCLAIMS ANY LIABILITY whatsoever to the user. There are no warranties or representations, expressed or implied and any use other than for informational purposes is excessive, unintended and an impermissible misuse of this documents. Before Excavating Call Toll Free 1-800-922-4455 for Underground Utility Information.

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)

1 inch = 20 ft.

PREPARED FOR

MACHADOS PROPERTIES LLC
33 BROADWAY ROAD,
TRUMBULL, CONNECTICUT

OWNER

MACHADOS PROPERTIES LLC
33 BROADWAY ROAD,
TRUMBULL, CONNECTICUT

NO.	DATE	DESCRIPTION
4	05-14-2026	UPDATED SURVEY AS PER TOWN COMMENTS
3	04-24-2026	TOWN COMMENTS
2	03-23-2026	FOUNDATION AS BUILT
1	10-15-2025	PROPOSED HOUSE

REVISIONS

CT LAND SURVEYING, LLC

SBE | MBE CERTIFIED
LAND SURVEYING / LAND PLANNING

CT LAND SURVEYING, LLC
58 OLD TAVERN ROAD
ORANGE, CT 06477
P:(203)503-1193
Email: ctland2005@gmail.com

IMPROVEMENT LOCATION SURVEY
PREPARED FOR
MACHADOS PROPERTIES LLC
33 BROADWAY ROAD,
TRUMBULL, CONNECTICUT

DRAFTED:	CAD
APPROVED:	J.S
SCALE:	1" = 20'
PROJECT NO.:	250307
DATE:	04/08/2025
CAD FILE:	250307

TITLE:

IMPROVEMENT LOCATION

SHEET NUMBER:

EX-1 OF 1

E:\2025-Jobs\250307-35-BROADWAY-TRUMBULL\250307-REV-FND-ASB-LOT-1ONLY--33-BROADWAY-ROAD-TRUMBULL.dwg, 1:1

STEVEN DANZER, PHD & ASSOCIATES LLC
Wetlands & Environmental Consulting
WWW.CTWETLANDSCONSULTING.COM
203 451-8319
WETLAND BOUNDARIES • POND & LAKE MANAGEMENT • CONSTRUCTION FEASIBILITY CONSULTATIONS • ENVIRONMENTAL STUDIES

Soil Report

Date: March 22, 2026

By: Steven Danzer Ph.D.

- Soil Scientist, Senior Professional Wetland Scientist, Arborist
    - Nationally certified by the Soil Science Society of America (#353463).
    - Registered with the Society of Soil Scientists of Southern New England.
    - Certified PWS #1321 by the Society of Wetland Scientists
    - Certified Arborist by the International Society of Arboriculture (ISA) NE-7409A
    - CT Licensed Arborist DEEP S-5639
- Ph.D. in Renewable Natural Resource Studies.

Project: 33 Broadway, Trumbull, CT.

INTRODUCTION

A wetlands investigation was performed at the above-referenced property to locate and identify any inland wetland soils or watercourses.

The purpose of this report is to document that the field work for the site investigation was conducted using professionally accepted methods and procedures. This report is intended for submission by the owner(s) of the property or their designated agent to the local municipal regulatory agency.

DEFINITIONS

The Connecticut General Statutes Ch. 440 Sections 22a-36 and 22a-45 (as amended) define **inland wetlands** as land, including submerged land (except for tidal wetlands) which consist of any of the soil types designated by the National Cooperative Soil Survey as *poorly drained, very poorly drained, floodplain, or alluvial.*

Poorly drained and **very poorly drained** are soil drainage classes that are defined by specific technical criteria in the Soil Survey Manual, Ch. 3 of the USDA Natural Resources Conservation Service. Generally speaking, *poorly drained soils* are wet at shallow depths periodically during the growing season, or remain wet for long periods, while in *very poorly drained soils* water is removed from the soil so slowly that free water remains at or very near the ground surface during much of the growing season.

Floodplain refers to the land bordering a stream or river that is subject to flood stage inundation, and **alluvial** refers to soil deposited by concentrated running water (Soil Survey Manual, Part 629). **Watercourses** are defined by the Connecticut General Statutes Ch. 440 Sections 22a-36 and 22a-45 (as amended) to include rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent, public or private. **Intermittent watercourses** are a type of watercourse that typically do not flow year-round, and are specifically defined within the CT statutes by the presence of a defined permanent channel and bank, and the occurrence of two or more of the following characteristics:

a) Evidence of scour, or deposits of recent alluvium or detritus;
b) The presence of standing or flowing water for a duration longer than a particular storm incident;
c) The presence of hydrophytic vegetation.

Uplands are land areas that are not inland wetlands, watercourses, or subject to tides.

The **soil series** is a soil label that refers to the lowest category of the National Soil Classification System. It is used as a specification for identifying and classifying soils within a soil map unit. The descriptions are standardized by the USDA-NRCS, and contain soil properties that define and distinguish them from the other soil series.

METHODS

Wetland or watercourse boundaries present within the survey area were investigated pursuant to the definitions provided by the Connecticut General Statutes (CGS Ch. 440 Sections 22a-36 and 22a-45) as amended. All soils were sampled to a depth of at least 20 inches with spade and augur unless noted otherwise during a field investigation conducted on March 21, 2026. Soils were classified according to the nomenclature presented within the NRCS Web Soil Survey, with additional reference to the National Cooperative Soil Survey, and the local Soil Survey. The wetland boundaries were marked with flagging tape and/or stakes (Wetland Flags 1-15) and a sketch map prepared (attached).

SITE DESCRIPTION AND DISCUSSION

The site is located on the west side of Broadway in Trumbull, Connecticut. The site, recently split off from 33 Broadway, is currently being developed with a foundation for a residence and grading for a driveway. The site is located within the DEEP Basin 7105-05, within the Pequonnock River subregional watershed as per the DEEP map. **Wetland resources were located offsite, to the south,** and consisted of a tributary watercourse to the Pequonnock River.

WETLAND AND WATERCOURSE SOIL MAPPING UNITS

(109) Fluvaquents-Udifluvents complex
Fluvaquents are poorly drained or very poorly drained wetland soils that underlie watercourses.

Udifluvents are floodplain or alluvial soils that underlie or are adjacent to watercourses.

UPLAND (NON WETLAND) SOIL MAPPING UNITS

(306) Udorthents-Urban land complex

LIMITATIONS

All observations and conclusions within this report are opinion and were based upon the field conditions at time of investigation and best professional judgment. Field conditions may change over time. All wetland boundary lines established by the undersigned Soil Scientist are subject to change until officially adopted by the appropriate local, state and federal regulatory agencies.

CERTIFICATION

Signed,

Steven Danzer Ph.D., Certified Professional Soil Scientist (CPSS #353463)

CPSS
Certified Professional Soil Scientist

33 Broadway, Trumbull



Sketch Map - not to scale
See report for methods
Steven Danzer Ph.D., Soil Scientist
Steven Danzer Ph.D. & Associates LLC
203-451-8319
www.CTWetlandsConsulting.com

0 25 50 100 Feet

N

1. GOVERNING DESIGN CODES :

A. 2022 STATE OF CONNECTICUT STATE BUILDING CODE ADOPTED WITH AMENDMENTS FROM THE 2021 INTERNATIONAL BUILDING CODE (IBC 2021) and 2021 INTERNATIONAL RESIDENTIAL CODE (IRC 2021)

B. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-19)

D. MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE7-16)

F. MANUAL OF STANDARD PRACTICE", CONCRETE REINFORCING STEEL INSTITUTE.

G. " STRUCTURAL WELDING CODE ANSI/AWS D1.1/D1.1M:2020, AMERICAN WELDING SOCIETY.

I. BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530/530.1-13 / ASCE/SEI 7-16/TMS 402/602-16)

2. FOUNDATIONS

A. NO GEOTECHNICAL REPORT PROVIDED - Assumed Angle of Internal Friction of soil = 32 degrees

B. ALLOWABLE SOIL BEARING PRESSURES USED FOR DESIGN:
1.5 TON (3000 PSF)

C. COEFFICIENT OF FRICTION RESISTING SLIDING EQUALS 0.4

D. MINIMUM FROST DEPTH IS THREE FEET-SIX INCHES.

E. LATERAL EARTH PRESSURE FOR ON-SITE SOIL MATERIAL (DOES NOT INCLUDE HYDROSTATIC OR SURCHARGE LOADS):
RANKINE EQUATIONS USED TO CALCULATE SOIL PRESSURES - SOIL UNIT WEIGHT 120 PCF
AT-REST CONDITION . . . . . 70 PSF/FT of DEPTH
ACTIVE CONDITION . . . . . 52 PSF/FT of DEPTH (Ka = 0.43 @ sloped backfill behind retaining wall)
PASSIVE CONDITION . . . . . 360 PSF/FT of DEPTH (Kp = 3.00)
SAFETY FACTOR >2.0 PROVIDED AGAINST SLIDING and OVERTURNING.

3. CONCRETE

A. THE FOLLOWING ASTM STANDARDS AND DESIGN STRENGTH SHALL BE USED FOR THE APPROPRIATE MATERIALS USED IN THE CONSTRUCTION OF THIS PROJECT.

a. CEMENT: ASTM C150; TYPE I OR III

b. AGGREGATES: ASTM C33 (NORMAL WEIGHT); ASTM C330 (STRUCTURAL LIGHTWEIGHT)

c. CONCRETE: ALL CONCRETE SHALL BE AIR-ENTRAINED 5-7% BY VOLUME, AIR-ENTRAINING ADMIXTURE TO COMPLY WITH ASTM C260.

B. ALL CAST-IN-PLACE CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 318-05 AND ACI 301 EXCEPT AS MODIFIED BY THE PROJECT CONTRACT DOCUMENTS.

C. ALL CONCRETE SHALL MEET THE PROJECT SPECIFICATIONS AND SHALL DEVELOP COMPRESSIVE STRENGTHS AS FOLLOWS (28 OR 56 DAY STRENGTH PER SPECS.):

NORMAL WEIGHT CONCRETE (145 PCF, STONE AGGREGATE)	
FOUNDATIONS (FOOTINGS, PILE CAPS) . . . . . MIN	3500 PSI
ALL OTHER STRUCTURAL CONCRETE . . . . . MIN	3500 PSI

D. ALL REINFORCING BARS FOR CONCRETE SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI AND MEET THE REQUIREMENTS OF ASTM A615 OR ASTM A706. ALL BARS INDICATED TO BE FIELD BENT SHALL CONFORM TO ASTM A706.

E. FABRICATION AND PLACEMENT TOLERANCES FOR REINFORCING BARS SHALL BE IN ACCORDANCE WITH ACI 301.

F. CONCRETE COVER FOR REINFORCEMENT (UNLESS OTHERWISE NOTED):
CONCRETE POURED AGAINST EARTH . . . . . 3"
CONCRETE POURED IN FORMS BUT EXPOSED TO WEATHER OR EARTH:
a. #5 BARS OR SMALLER . . . . . 1 1/2"
b. BARS LARGER THAN #5 . . . . . 2"
COLUMNS, GIRDERS, AND JOISTS (PRINCIPAL REINF., TIES AND STIRRUPS) . . . . . 1 1/2"
SLABS AND WALLS . . . . . 3/4"

G. NO WELDING OR FIELD-BENDING OF REINFORCING BARS IS PERMITTED UNLESS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER.

H. SPLICES OF REINFORCEMENT ARE PERMITTED ONLY AS DETAILED DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER. LAP SPLICES, WHERE PERMITTED, SHALL BE CLASS "B" SPLICES UNLESS NOTED OTHERWISE .

I. MAKE ALL BARS CONTINUOUS AROUND CORNERS OR PROVIDE CORNER BARS OF EQUAL SIZE AND SPACING. SEE DETAILS FOR REINFORCING AT WALL INTERSECTIONS AND WALL CORNERS.

J. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185. WIRE FABRIC REINFORCEMENT MUST LAP ONE FULL MESH PLUS 2" AT SIDE AND END LAPS, BUT NOT LESS THAN 6", AND SHALL BE WIRE TIED TOGETHER.

K. DETAIL REINFORCING IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI DETAILING MANUAL AND ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.

L. PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING AT POSITIONS SHOWN ON THE PLANS.

M. PLACE 2-#5 BARS (1 EA. FACE) WITH 2'-0 PROJ. AROUND ALL OPENINGS IN CONCRETE.

N. SLABS, BEAMS AND JOISTS SHALL NOT HAVE JOINTS IN A HORIZONTAL PLANE. ANY STOP IN CONCRETE WORK MUST BE MADE AT 1/3 - SPAN WITH VERTICAL BULKHEADS AND AND HORIZONTAL KEYS, UNLESS OTHERWISE SHOWN. ALL CONSTRUCTION JOINTS SHALL BE AS DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.

O. CONTINUOUS BARS IN WALLS, BEAMS, AND GRADE BEAMS SHALL BE SPLICED AS FOLLOWS:
TOP BARS - AT MIDSPAN
BOTTOM BARS - OVER SUPPORT.

P. ALL STIRRUPS SHALL HAVE 2-#3 SPACERS FOR LENGTH OF STIRRUP SPACING.

Q. PROVIDE CONTROL JOINTS IN ALL CONCRETE WALLS AT A MAXIMUM SPACING OF 30'-0 O.C. ALLOW A MINIMUM PERIOD OF TIME OF SEVEN (7) DAYS TO ELAPSE BEFORE PLACING CONCRETE IN ADJACENT WALLS.

R. ANCHORS FOR EMBEDDED PLATES SHALL BE AS SHOWN ON THE DRAWINGS. HEADED STUDS SHALL CONFORM TO ASTM A108 WITH 60,000 PSI MINIMUM TENSILE STRENGTH. REINFORCING BARS TO BE WELDED TO PLATES SHALL BE ASTM A706 - GRADE 60.

S. CORE DRILLING OF FOUNDATIONS, BEAMS, JOISTS, SLABS OR COLUMNS SHALL NOT BE PERMITTED UNLESS AUTHORIZED IN WRITINGBY THE STRUCTURAL ENGINEER.

T. NO SPLICES OF REINFORCEMENT SHALL BE PERMITTED EXCEPT AS DETAILED OR AUTHORIZED BY THE STRUCTURAL ENGINEER.

U. MAKE BARS CONTINUOUS AROUND CORNERS. WHEN PERMITTED, SPLICES SHALL BE MADE BY CONTACT TENSION LAP SPLICES, UNLESS OTHERWISE NOTED.

V. CHAMFER ALL EXISTING OR EXPOSED CONCRETE CORNERS 1" x1" SMOOTH FOR SKIM FINISH UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.

W. THE CONCRETE SLABS SHALL BE FINISHED FLAT AND LEVEL WITHIN TOLERANCE, TO THE ELEVATION INDICATED ON THE DRAWINGS. CONTRACTOR SHALL PROVIDE ADDITIONAL CONCRETE REQUIRED DUE TO FORMWORK AND FRAMING DEFLECTION TO ACHIEVE THIS FINISHED TOP OF SLAB ELEVATION.

X. WELDED WIRE FABRIC REINFORCEMENT SHALL BE SUPPLIED IN SHEETS. LAP TWO FULL MESH LENGTHS AT SPLICES AND WIRE TOGETHER. STAGGER SHEETS TO AVOID MULTIPLE LAPS @ CORNER

Y. CONCRETE ENGINEERED REINFORCING FIBERS SHALL BE POLYPROPYLENE, COLLATED FIBRILLATED FIBERS. POLYPROPYLENE FIBERS SHALL BE USED ONLY IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. USE 1.5 POUND BAGS PER ONE CUBIC YARD OF CONCRETE. THE FIBER MANUFACTURER OR APPROVED DISTRIBUTOR SHALL PROVIDE THE SERVICES OF A QUALIFIED EMPLOYEE FOR A PRE JOB MEETING AND INITIAL JOB START UP.

Z. NO WELDING OF REINFORCING SHALL BE PERMITTED UNLESS SPECIFICALLY CALLED FOR OR APPROVED BY THE STRUCTURAL ENGINEER.

NOTE: ALL FOUNDATIONS SHALL BE PLACED ON UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL. DETERMINATION OF FINAL BEARING ELEVATIONS AND FIELD VERIFICATION OF ALLOWABLE BEARING PRESSURE SHALL BE MADE BY ATLANTIC CONSULTING AND ENGINEERING.

4. FOUNDATIONS & STRUCTURAL EARTHWORK :

A. GENERAL:

a. SEE THE SPECIFICATIONS AND GEOTECHNICAL REPORT REQUIREMENTS FOR EXCAVATION AND PREPARATION OF THE FOUNDATION AND SLAB-ON-GRADE SUBGRADE, INCLUDING COMPACTION PROCEDURES. REQUIREMENTS CONTAINED IN THE GEOTECHNICAL REPORT ARE PART OF THIS WORK.

b. CONTRACTOR SHALL VERIFY ALL EXISTING FIELD CONDITIONS THAT MAY AFFECT THE INSTALLATION OF THE FOUNDATION SYSTEM AS SHOWN PRIOR TO STARTING WORK.

c. EXISTING UTILITIES KNOWN TO BE IN THE CONSTRUCTION AREA HAVE NOT BEEN INDICATED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES, WHETHER INDICATED OR NOT, WHICH MAY BE AFFECTED BY THE CONSTRUCTION PROCESS.

d. ALL FOUNDATIONS SHALL BE PLACED ON UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL. BEARING ELEVATIONS ARE ESTIMATED FROM SOIL BORING DATA INDICATED IN THE GEOTECHNICAL REPORT. DETERMINATION OF FINAL BEARING ELEVATIONS AND FIELD VERIFICATION OF ALLOWABLE BEARING PRESSURE SHALL BE MADE BY AN EXPERIENCED, QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO PLACING FOUNDATIONS.

e. CONCRETE FOR FOUNDATIONS SHALL BE PLACED ON THE SAME DAY SUBGRADE APPROVAL IS GIVEN BY THE GEOTECHNICAL ENGINEER.

f. ALL FOUNDATIONS SUSCEPTIBLE TO FROST SHALL BEAR A MINIMUM OF 42 INCHES BELOW GRADE. IN CASE OF CONFLICT, NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER IN ADVANCE OF ANY CONSTRUCTION TO ALLOW FOR ADJUSTMENT.

g. UTILITY LINES SHALL NOT BE PLACED THROUGH OR BELOW FOUNDATIONS WITHOUT THE STRUCTURAL ENGINEER'S APPROVAL.

h. THE SLOPE BETWEEN THE LOWER EDGES OF ADJACENT FOOTINGS SHALL NOT EXCEED 45 DEGREES WITH THE HORIZONTAL, UNLESS INDICATED OTHERWISE IN THE GEOTECHNICAL REPORT.

i. NEW FOOTING BEARING ELEVATIONS ARE TO MATCH ADJACENT EXISTING FOOTING BEARING ELEVATIONS WHERE APPLICABLE UNLESS INDICATED OTHERWISE ON PLANS.

j. PROVIDE CONTINUOUS WATERSTOP AT ALL HORIZONTAL AND VERTICAL CONSTRUCTION JOINTS IN ALL ELEVATOR PIT AND OTHER PIT WALLS.

k. ALL SHORING, SHEETING, AND DEWATERING SHALL BE THE TOTAL RESPONSIBILITY OF THE CONTRACTOR. SHEETING AND SHORING SHALL BE DESIGNED BY THE CONTRACTOR'S ENGINEER REGISTERED IN THE PROJECT'S JURISDICTION. ALL SUBMITTALS SHALL BEAR CONTRACTOR'S/ ENGINEERING SEAL AND SIGNATURE.

l. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT ALL EXISTING STRUCTURES, CURBS, STREETS, ETC. FROM DAMAGE BY CONSTRUCTION EQUIPMENT.

B. BACKFILL:

a. ALL BACKFILL SHALL BE ACCOMPLISHED USING MATERIAL CONSISTING OF BANK RUN GRAVEL, CRUSHED STONE AND/OR MATERIAL APPROVED BY THE GEOTECHNICAL ENGINEER, WITH OPTIMUM MOISTURE CONTENT FOR COMPACTING AND SHALL BE FREE OF ANY DEBRIS.

b. WHERE THE FINAL GRADE ELEVATIONS ARE APPROXIMATELY EQUAL ON BOTH SIDES OF A WALL, BACKFILL IN LIFTS TO MAINTAIN LEVEL ELEVATIONS WITHIN 12" ON BOTH SIDES AT ANY TIME.

C. STRUCTURAL FILL :

a. REFER TO SPECIFICATIONS AND GEOTECHNICAL REPORT REQUIREMENTS FOR COMPACTED STRUCTURAL FILL. REQUIREMENTS CONTAINED IN THE GEOTECHNICAL REPORT ARE PART OF THIS WORK. INSPECTION OF THE PLACEMENT OF COMPACTED STRUCTURAL FILL SHALL BE BY SPECIAL INSPECTOR AND OR TESTING LAB.

RECD 3.24.2026
APP 26-10

INSPECTIONS:

STRUCTURAL INSPECTION(S) ARE TO BE CONDUCTED BY ATLANTIC CONSULTING & ENGINEERING (ACE) OF 525 JOHN STREET, BRIDGEPORT, CT (203-336-4422) OTHERWISE ACE IS RELEASED OF ALL LIABILITIES WITH THE CONSTRUCTION OF THIS PROJECT

INSPECTIONS REQUIRED:
1. FOOTING SUBGRADE
2. REBAR PLACEMENT
3. CONCRETE TESTING
4.BEHIND THE WALL DRAINAGE INSTALLATION
5. BACKFILL COMPACTION

G.C. TO CONTACT ATLANTIC CONSULTING & ENGINEERING LLC (203 336-4422) OR FAIRFIELD TESTING LABORATORIES (203-336-5900) FOR SCHEDULING

STATE OF CONNECTICUT
JAMES E. QUAT
No. 14358
LICENSED PROFESSIONAL ENGINEER

THIS DRAWING IS THE PROPERTY OF THE ENGINEER IT HAS BEEN SPECIFICALLY PREPARED FOR THE OWNER FOR THIS PROJECT AT THIS SITE AND IS NOT TO BE USED FOR ANY OTHER PURPOSE, LOCATION OR OWNER WITHOUT WRITTEN CONSENT OF THE ENGINEER.

Atlantic Consulting & Engineering LLC
525 John Street
Bridgeport, Connecticut
06604-3926
(203) 336-4422
(203) 336-1769 FAX
e-mail:
info@atlantic-eng.com

PROPOSED RETAINING WALL
33 BROADWAY
TRUMBULL, CONNECTICUT

Job Number: 26-7051

Job Start Date: 1/30/2026

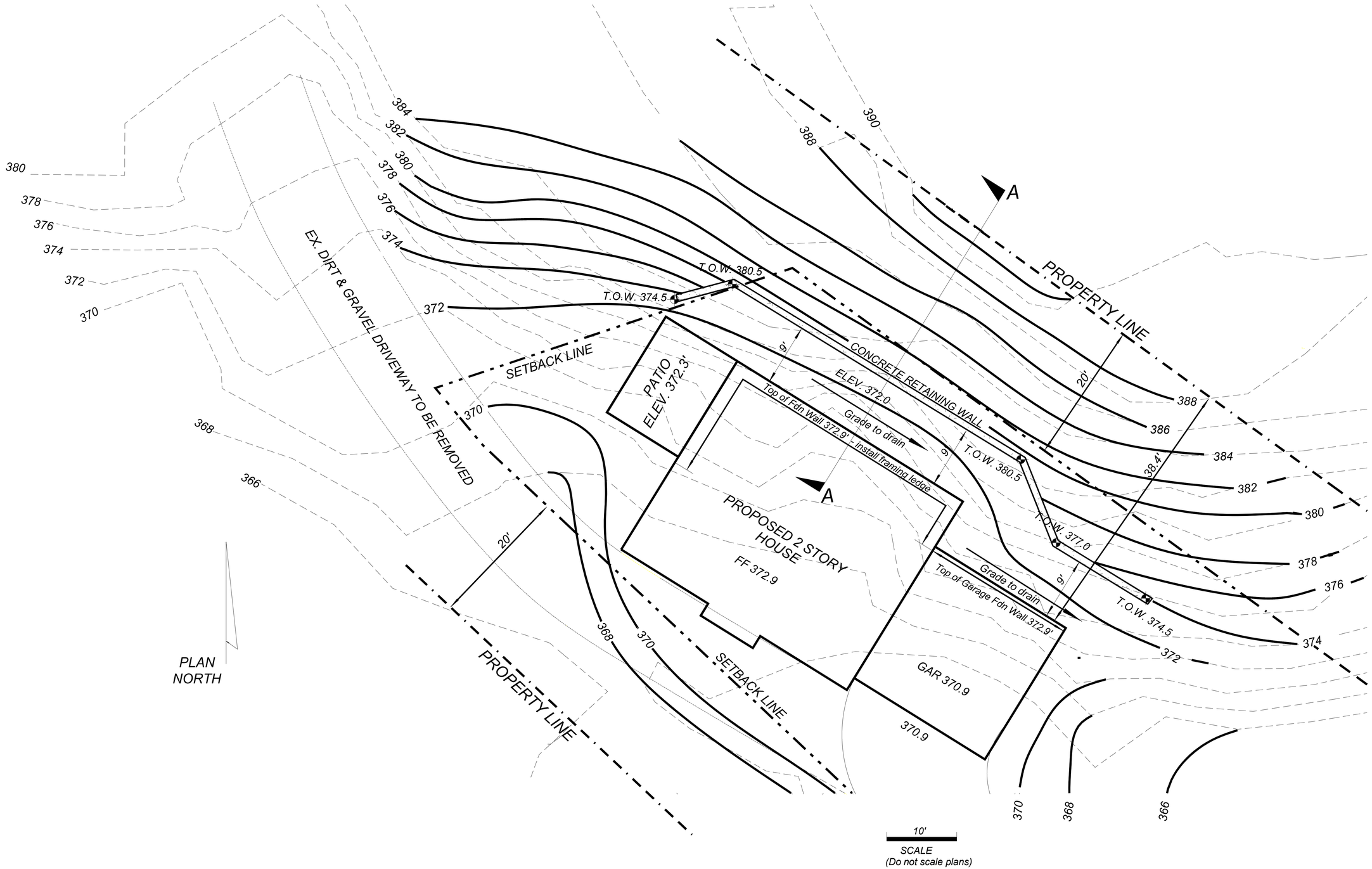
Issued For:	Date:
ISSUED	2/10/2026

Drawn By: DJM Checked By:

Sheet Title: GENERAL NOTES

Scale: As Noted

Sheet Number: RW-0



STATE OF CONNECTICUT
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PROPOSED RETAINING WALL
33 BROADWAY
TRUMBULL, CONNECTICUT

Job Number: 26-7060

Job Start Date: 1/30/2026

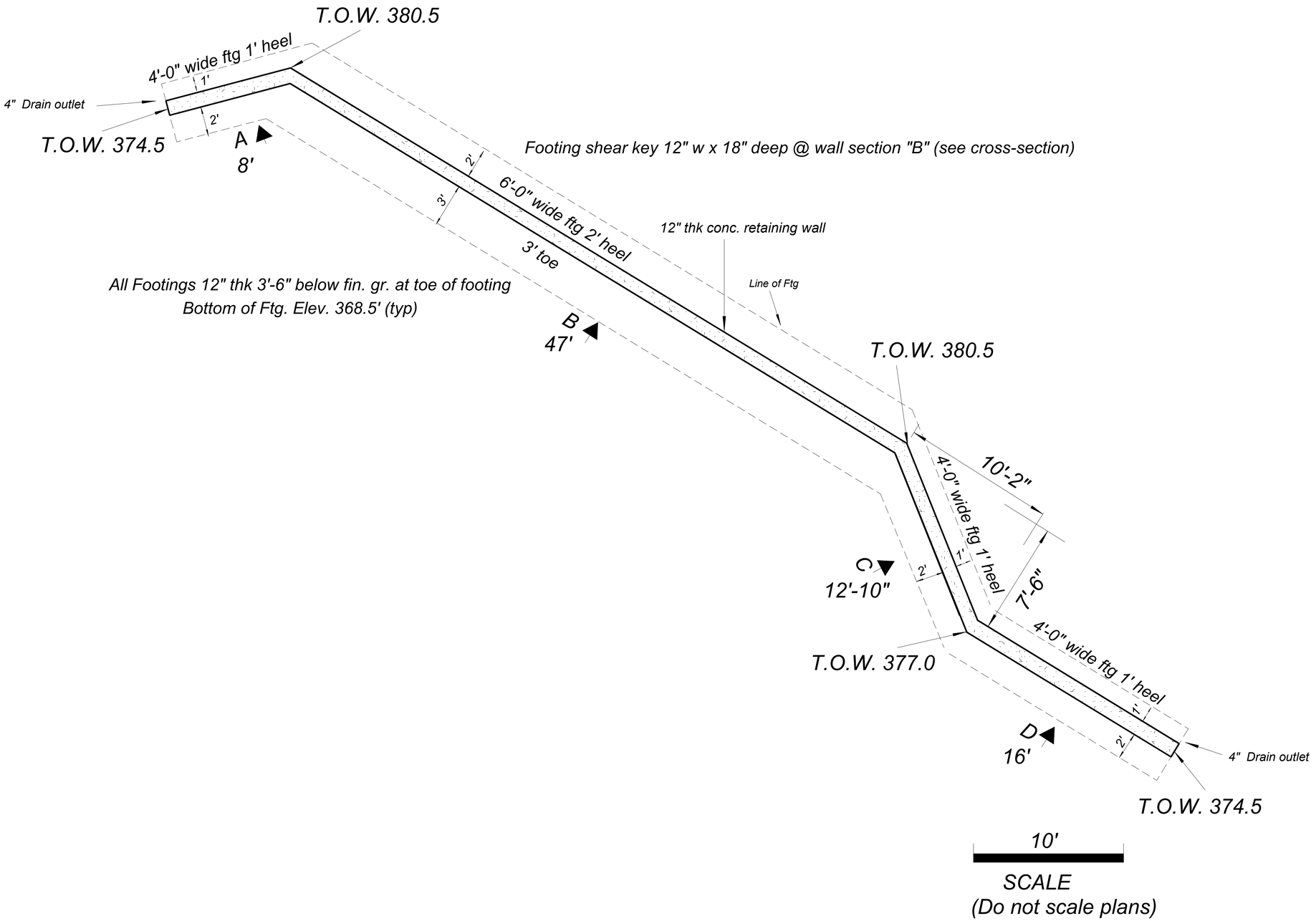
Issued For:	Date:
ISSUED	2/6/2026

Drawn By: DJM
Checked By:

Sheet Title: TOPOGRAPHY AND SITE LAYOUT

Scale: As Noted

Sheet Number: RW-1



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33 BROADWAY
TRUMBULL, CONNECTICUT

Job Number: 26-7051

Job Start Date: 1/30/2026

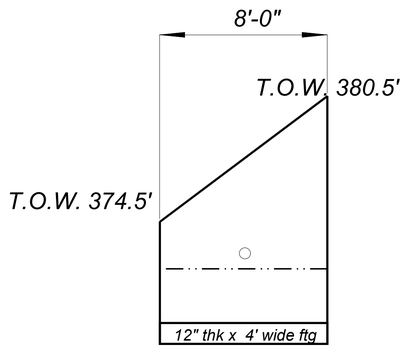
Issued For:	Date:
ISSUED	2/10/2026

Drawn By: DJM
Checked By:

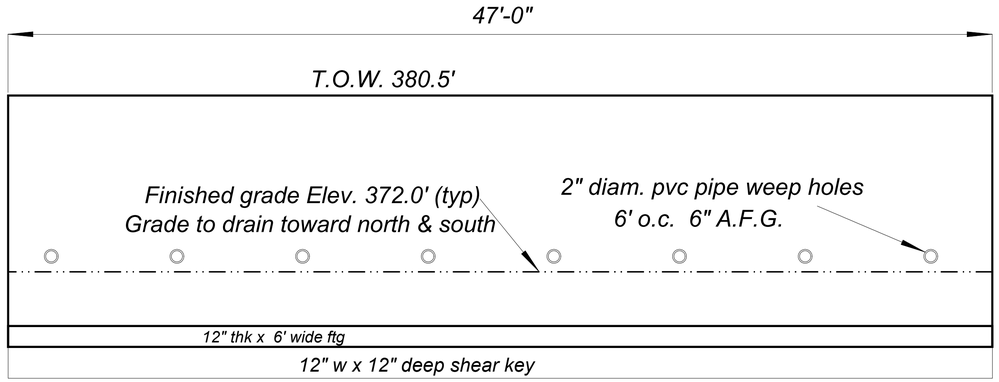
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Scale: As Noted

Sheet Number: RW-2

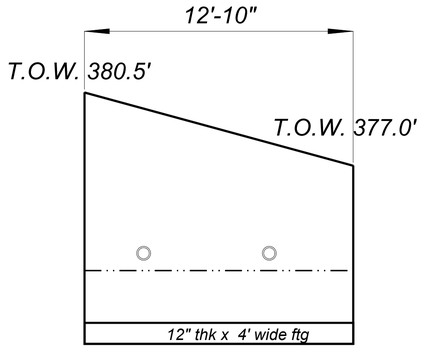


WALL SECTION "A"

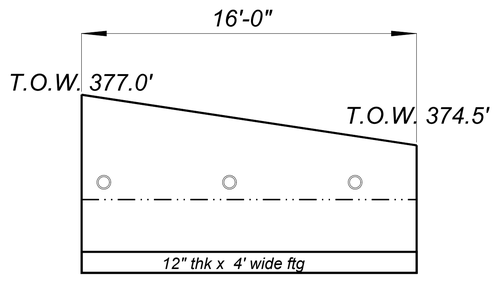


WALL SECTION "B"

Bottom of Ftg. Elev. 368.5' (typ all ftgs)



WALL SECTION "C"



WALL SECTION "D"

10'

SCALE
(Do not scale plans)

STATE OF CONNECTICUT
JAMES E. QUAIL
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PROPOSED RETAINING WALL
33 BROADWAY
TRUMBULL, CONNECTICUT

Job Number: 26-7051

Job Start Date: 1/30/2026

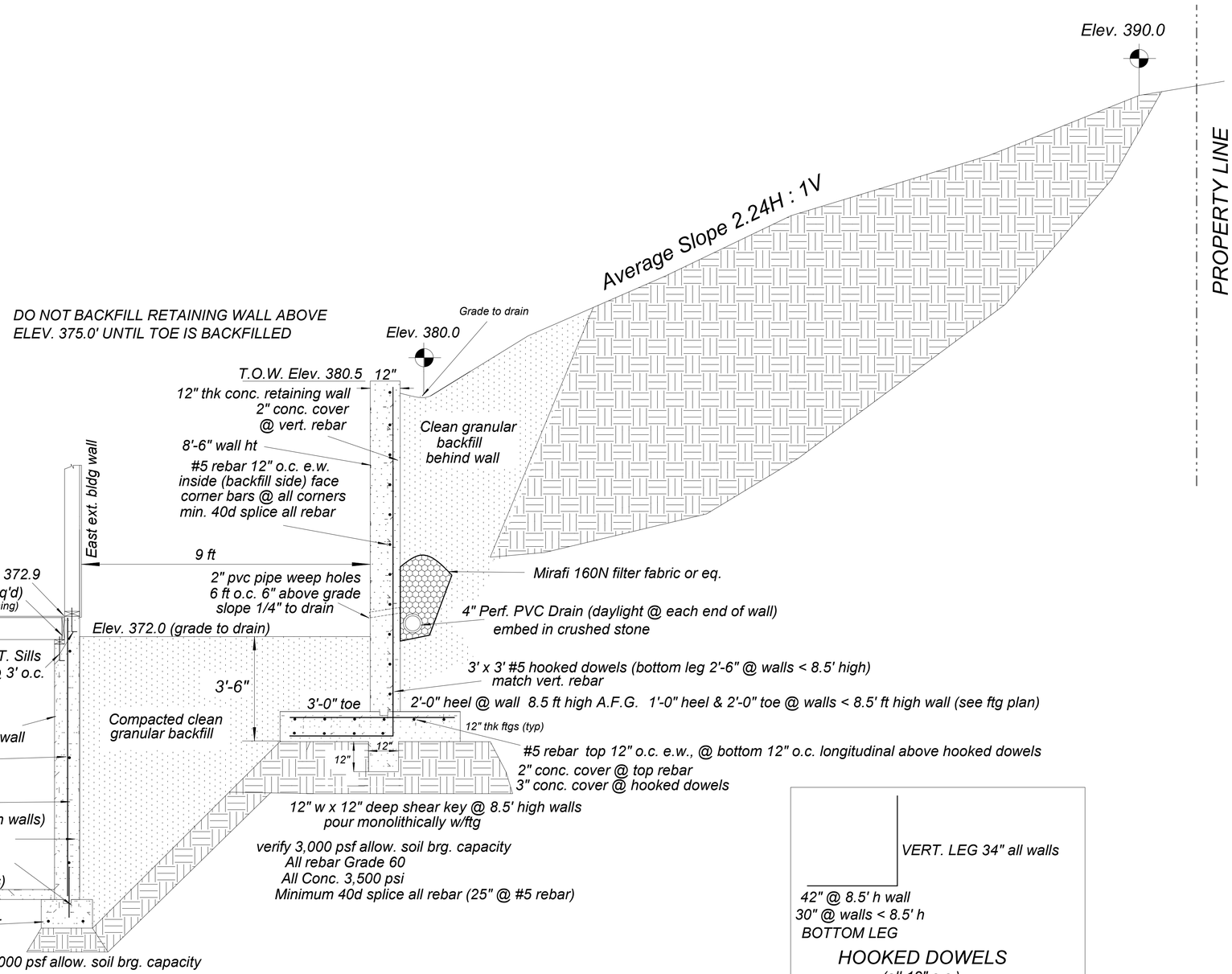
Issued For:	Date:
ISSUED	2/10/2026

Drawn By: DJM Checked By:

Sheet Title: RETAINING WALL ELEVATIONS

Scale: As Noted

Sheet Number: RW-3



SECTION "A-A" (not to scale)

STATE OF CONNECTICUT
JAMES E. QUAT
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PROPOSED RETAINING WALL
33 BROADWAY
TRUMBULL, CONNECTICUT

Job Number: 26-7051

Job Start Date: 1/30/2026

Issued For:	Date:
ISSUED	2/10/2026

Drawn By: DJM Checked By:

Sheet Title: CROSS SECTION

Scale: As Noted

Sheet Number: RW-4

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL

APPLICATION FOR PERMIT

SECTION I

Application No.

26-11
Recd 5.27.2026

1. Location/address of property where activity is proposed: 855 & 861 White Plains Road

   Parcel Size 1.26 ac. Zone: _____ Map ID: G/09/00345/347 Current Use: Residential

2. Applicant's Name: Madison Properties LLC c/o Kenneth Esposito Applicant's

   Address: 575 Boston Post Road, Milford, CT 06460

   Telephone: _____ Cell: 203-218-4141 Email: espokje@aol.com

   Applicant's interest in property (Lessee, Licensee, Owner, etc.): Owner

3. Name of Property Owner of Record: Same as applicant

   If the owner is a corporation, or other non-individual entity, include the primary contact information

   Address of Owner of Record: _____

   Telephone: _____ Cell: ( ) _____ Email: _____

   If Applicant is the Owner, go to #5

4. The undersigned hereby authorizes _____ to act as Agent on my behalf as related to this application.

   _____
   (Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities (use separate sheet if necessary):

   Construction of a 8,500 sf (footprint) mixed-use building and it's appurtenances. Regulated activities include construction of portion of building, driveway and parking areas, sidewalks, retaining walls, drainage piping and structures, underground utilities and landscaping.

The applicant understands that this application is to be considered complete only when all information and documents required by the Agency have been submitted.
The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false statement according to the best of his/her knowledge and belief.
Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent (s) to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section 7.5 of the IWWC Regulations.

Applicant's Signature: _____ member Date: 3/31/26
(If not the Owner)

Owner's Signature: _____ Date: 3/31/26

SECTION II

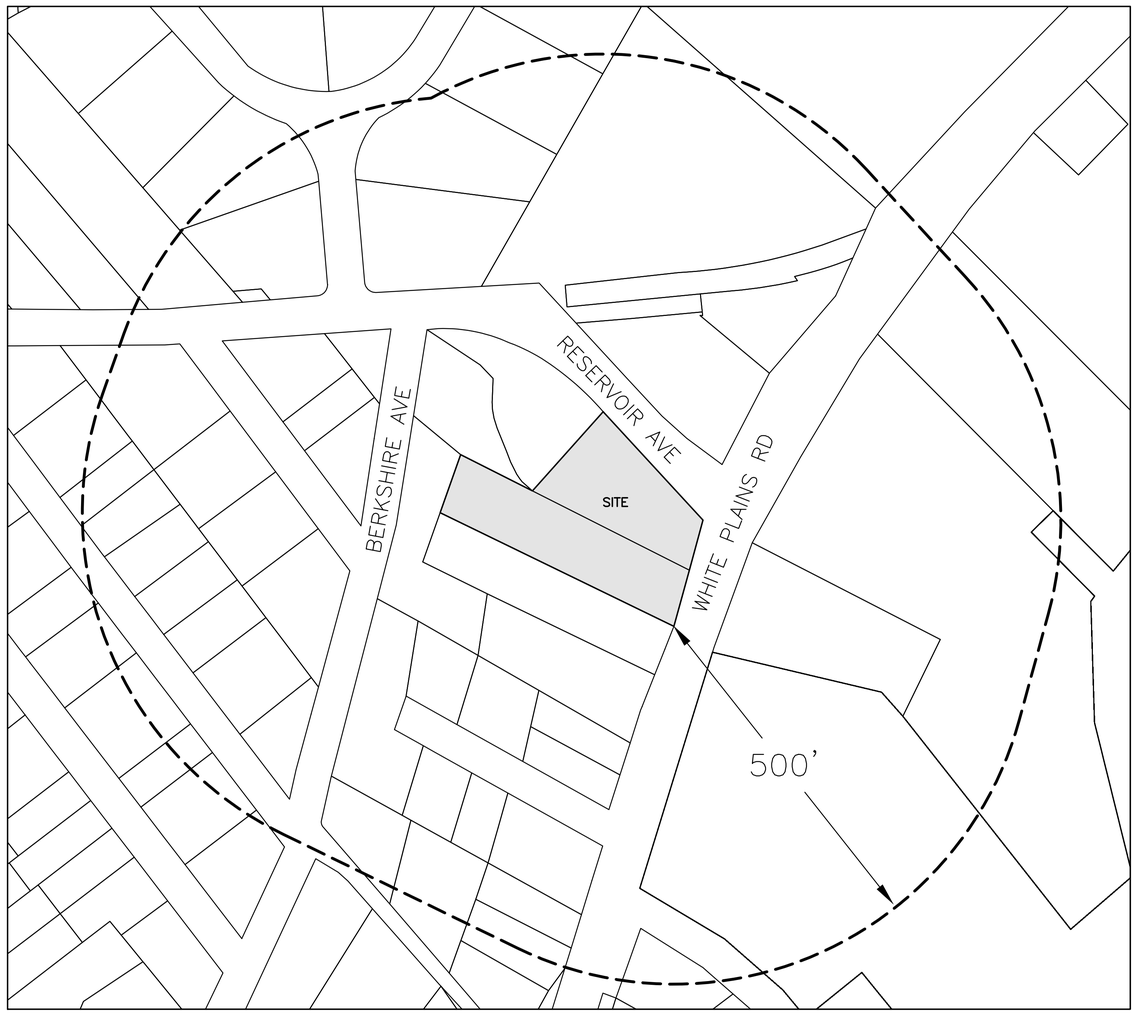
SITE PLAN REQUIREMENTS

1. Total property area: 1.2637 ac. Zone: A (POOZ) Number of Lots: 1 proposed
2. Map ID, from assessors card: G/09/00345 & 00347
3. Total area existing of wetlands on property: 170 sf
4. Total area of Regulated area on property: 28,442 sf
5. Wetlands area to be disturbed: 0
6. Upland Review area to be disturbed: 26,660 sf
7. Proposed % of wetlands on the property to be disturbed: 0%
8. Total area of proposed land disturbance: 50,750 sf
9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield: Yes _____ No X (If yes, see Section 8.2 of the Trumbull IWWC Regulations.)
10. Is any portion of the site located within a water company watershed: Yes _____ No X (If yes, see Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)
11. Existing property coverage type data:

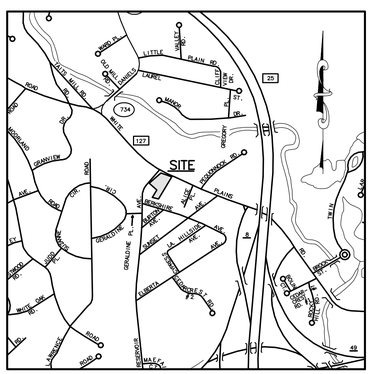
	Percent of Regulated Area:	Dominant Species:
Trees:	52%	
Shrubs:	10%	
Grasses, weeds, etc:	34%	
Impervious area:	4%	

12. Existing watercourse data and open water characteristics: (if applicable)
    a. Size of pond(s) or lake(s): N/A
    b. Stream characteristics: intermittent or permanent: Intermittent
    c.100 year flood evaluation: N/A
13. Probable effect of proposal (if any) on vegetation and wildlife: _____
14. Existing or proposed source(s) of water supply for the property: Public water
15. Existing or proposed method of sewage disposal for the property: Public Sewer
16. Creation of proposed water bodies (If yes, detailed information will be required): Yes: _____ No: X
17. List proposed measures to protect regulated and inland wetland areas from:
    a. Erosion and sedimentation: Silt fence barrier/temporary sediment trap w/sediment routing.
18. Proposed percent of Regulated area to be covered with impermeable surface: 60%
19. Material to be (check all that applies): deposited ☒ excavated ☒ (if yes, complete the following)
    a. Area: 50,750 sf Volume: 1129CY CUT/949CY FILL
    b. Physical & Chemical composition of material to be deposited: Concrete, asphalt, gravel, stone.

855 & 861 WHITE PLAINS ROAD
SITE IMPROVEMENTS
IN
TRUMBULL, CONNECTICUT



500' RADIUS MAP



VICINITY MAP

APPLICATON 26-11
RECD 5/27/2026

PERMIT SET–NOT BE USED FOR CONSTRUCTION

LIST OF DRAWINGS

1.0	TITLE SHEET
1.1	EXISTING CONDITIONS SURVEY
2.1	SITE PLAN
2.2	UNDERGROUND UTILITIES PLAN
2.3	DEMOLITION PLAN
2.4	EROSION CONTROL PLAN
3.1–3.3	CONSTRUCTION DETAILS
LP.1	LANDSCAPE & LIGHTING PLAN

J. EDWARDS & ASSOCIATES LLC
ENGINEERING • SURVEYING • SITE PLANNING

227 Stepney Road Easton, CT 06612
Phone:203.268.4205 Fax: 203.268.5604
www.jedwardsassoc.com

STATE OF CONNECTICUT — JASON R. EDWARDS — No. 10937 — LICENSED PROFESSIONAL ENGINEER

STATE OF CONNECTICUT — JASON EDWARDS — LICENSED LAND SURVEYOR

885 & 861 WHITE PLAINS ROAD
TRUMBULL, CONNECTICUT
PREPARED FOR
MADISON PROPERTIES LLC

REVISIONS

#	DATE	DESCRIPTION
1	03-31-26	CLIENT
2	04-07-26	IWWC

DATE: 01-13-26
PROJECT #: 3177
DRAWING FILE:
DRAWN BY: NDC
SCALE:

TITLE

TITLE SHEET

SHEET NUMBER

1.0

K:\PROJECTS\3177 – ESPOSITO – MADISON PROPERTIES – 855–861 WHITE PLAINS ROAD\DRAWINGS\1.0–TITLE

NOTES:

1) THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE SECTIONS 20-300b-1 THROUGH 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES "MINIMUM STANDARDS FOR SURVEY AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. AUGUST 29, 2019. IT IS A IMPROVEMENT/LOCATION SURVEY BASED UPON A RESURVEY AND CONFORMS TO HORIZONTAL ACCURACY CLASS A-2 AND TOPOGRAPHICAL CLASS T-2.

2) THE TYPE OF SURVEY PERFORMED IS A IMPROVEMENT/LOCATION MAP, ZONING. THE MAIN PURPOSE OF THIS SURVEY IS TO SHOW THE INFORMATION NECESSARY TO ENABLE DETERMINATION OF COMPLIANCE OR NON-COMPLIANCE WITH THE APPLICABLE ZONING SETBACK REQUIREMENTS. AS SUCH, IT MAY BE NECESSARY TO DEPICT ONLY A PORTION OF THE PROPERTY. THE ONLY IMPROVEMENT THAT NEED BE SHOWN IS THE EXISTING OR PROPOSED BUILDING RELATING TO THE MATTER OF ZONING COMPLIANCE BEING ADDRESSED.

3) THE BOUNDARY DETERMINATION IS BASED UPON THE DEPENDENT RESURVEY METHOD.

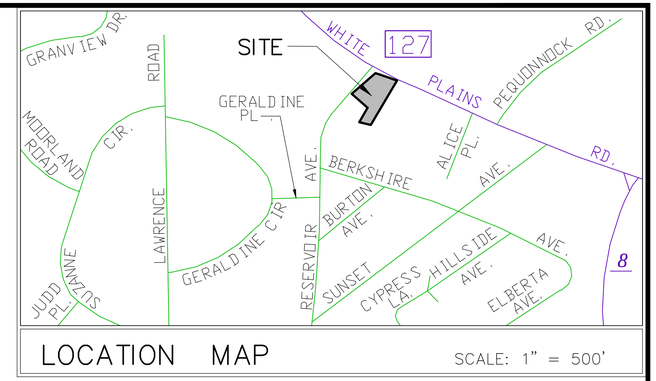
4) THE SURVEY CONFORMS TO HORIZONTAL CLASS A-2 ACCURACY STANDARDS. VERTICAL DATA CONFORMS TO A CLASS T-2 BASED ON GPS READING REFERS TO NAVD '88 DATUM.

5) THE SUBJECT PROPERTY IS SHOWN AS TAX LOT 00345 & TAX LOT 00347 ON ASSESSOR'S MAP E-14.

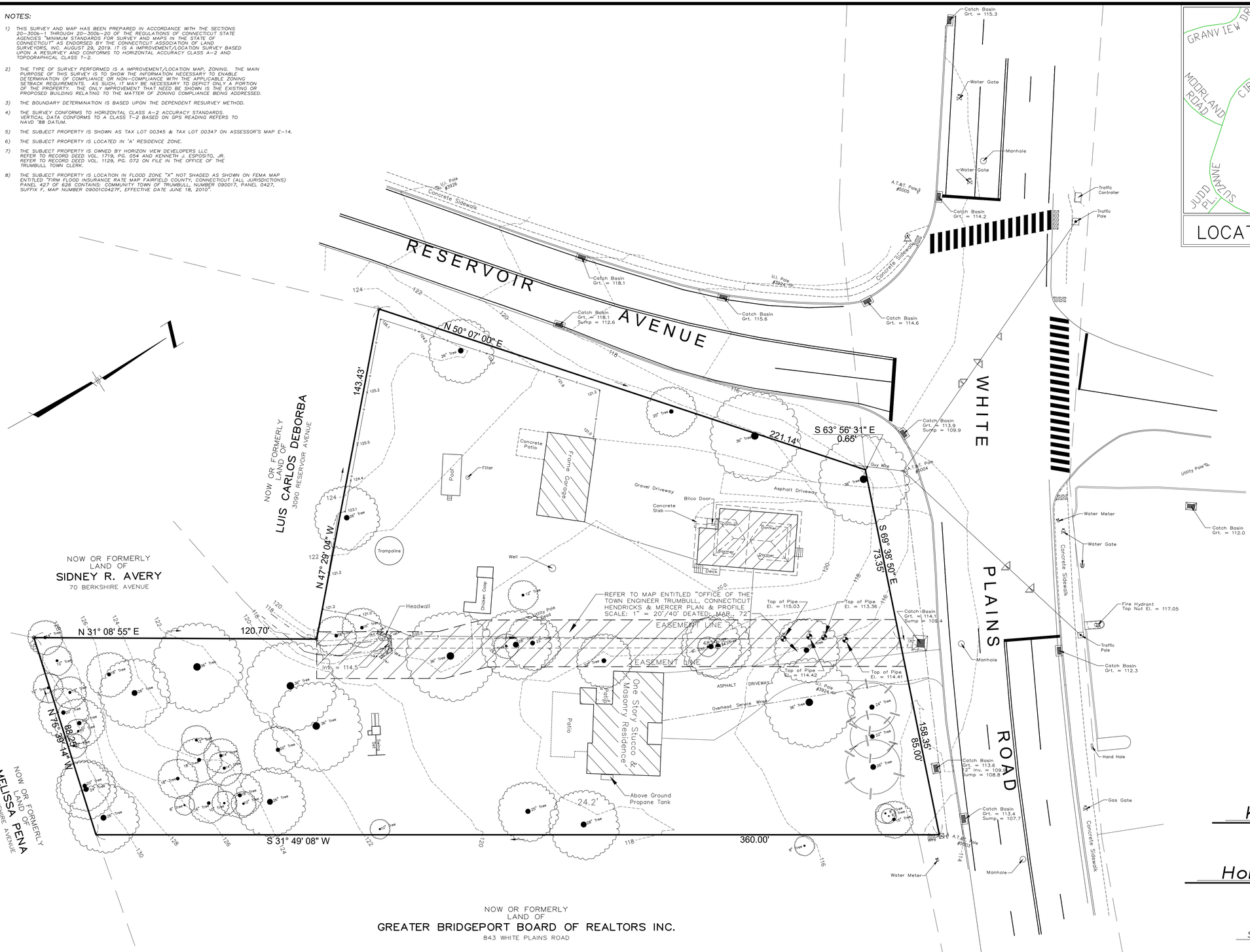
6) THE SUBJECT PROPERTY IS LOCATED IN 'A' RESIDENCE ZONE.

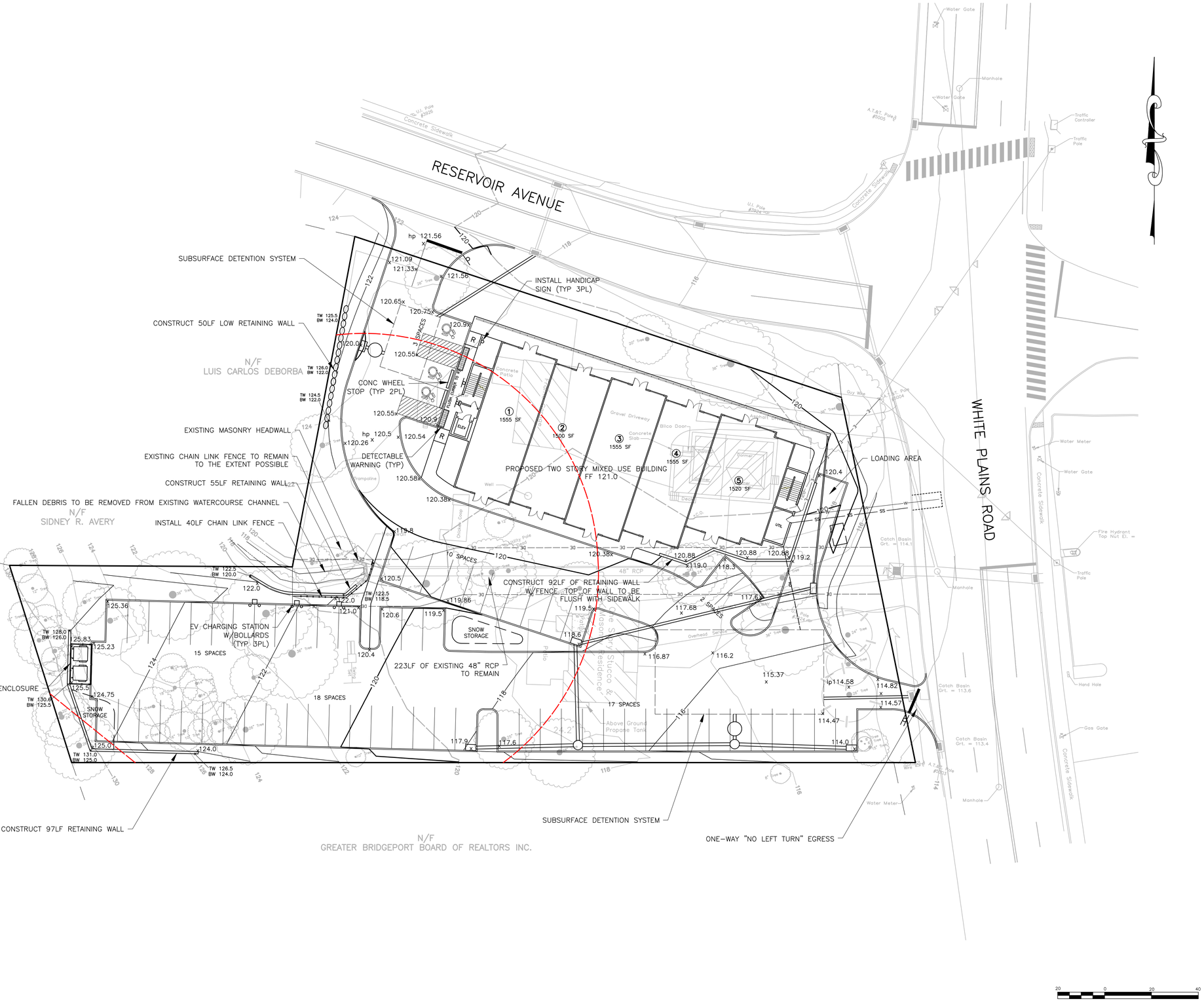
7) THE SUBJECT PROPERTY IS OWNED BY HORIZON VIEW DEVELOPERS LLC REFER TO RECORD DEED VOL. 1719, PG. 054 AND KENNETH J. ESPOSITO, JR. REFER TO RECORD DEED VOL. 1129, PG. 072 ON FILE IN THE OFFICE OF THE TRUMBULL TOWN CLERK.

8) THE SUBJECT PROPERTY IS LOCATION IN FLOOD ZONE "X" NOT SHADED AS SHOWN ON FEMA MAP ENTITLED "FIRM FLOOD INSURANCE RATE MAP FAIRFIELD COUNTY, CONNECTICUT (ALL JURISDICTIONS) PANEL 427 OF 626 CONTAINS: COMMUNITY TOWN OF TRUMBULL NUMBER 090017, PANEL 0427, SUFFIX F, MAP NUMBER 09001C0427F, EFFECTIVE DATE JUNE 18, 2010".



LOCATION MAP SCALE: 1" = 500'


RESERVOIR AVENUE
WHITE PLAINS ROAD
N 50° 07' 00" E
143.43'
N 47° 29' 04" W
120.70'
S 63° 56' 31" E
221.14'
0.65'
S 69° 38' 50" E
73.35'
158.35'
85.00'
S 31° 49' 08" W
360.00'
N 75° 39' 44" W
88.23'
24.2'
NOW OR FORMERLY LAND OF LUIS CARLOS DEBORBA 3090 RESERVOIR AVENUE
NOW OR FORMERLY LAND OF SIDNEY R. AVERY 70 BERKSHIRE AVENUE
NOW OR FORMERLY LAND OF MELISSA PENA 64 BERKSHIRE AVENUE
NOW OR FORMERLY LAND OF GREATER BRIDGEPORT BOARD OF REALTORS INC. 843 WHITE PLAINS ROAD
REFER TO MAP ENTITLED "OFFICE OF THE TOWN ENGINEER TRUMBULL, CONNECTICUT HENDRICKS & MERCER PLAN & PROFILE SCALE: 1" = 20'/40' DEATED: MAR., 72"
EASEMENT LINE
EASEMENT LINE
One Story Stucco & Masonry Residence
Concrete Patio
Patio
Pool
Filter
Concrete Patio
Porch Overhang
Gravel Driveway
Asphalt Driveway
Bilco Door
Concrete Slab
Deck
Trampoline
Well
Chicken Coop
Headwall
Above Ground Propane Tank
Shed
Catch Basin Grt. = 115.3
Water Gate
Manhole
Water Gate
Catch Basin Grt. = 114.2
Catch Basin Grt. = 118.1
Catch Basin Grt. = 115.6
Catch Basin Grt. = 114.6
Catch Basin Grt. = 118.1 Sump = 112.6
Catch Basin Grt. = 113.9 Sump = 109.9
Traffic Controller
Traffic Pole
U.I. Pole #3926
Concrete Sidewalk
A.T.&T. Pole #3005
A.T.&T. Pole #3004
Guy Wire
Utility Pole #3
Utility Pole #3
Overhead Service Wires
Top of Pipe El. = 115.03
Top of Pipe El. = 113.36
Top of Pipe El. = 114.42
Top of Pipe El. = 114.41
Catch Basin Grt. = 114.1 Sump = 109.4
Catch Basin Grt. = 113.6 12" Inv. = 109.3 Sump = 108.6
Catch Basin Grt. = 113.4 Sump = 107.7
Catch Basin Grt. = 112.5
Water Meter
Water Meter
Catch Basin Grt. = 112.0
Concrete Sidewalk
Fire Hydrant Top Nut El. = 117.05
Traffic Pole
Catch Basin Grt. = 112.3
Hand Hole
Gas Gate
Concrete Sidewalk
Manhole
Water Meter
Inv. = 114.5
ASPHALT DRIVEWAY
Shed
Garage
Chicken Coop
Trampoline
Well
Pool
Filter
Concrete Patio
Porch Overhang
Gravel Driveway
Asphalt Driveway
Bilco Door
Concrete Slab
Deck
Patio
One Story Stucco & Masonry Residence
Above Ground Propane Tank
Headwall
Shed



LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- 520.2 EXISTING SPOT ELEVATION
- 520.2 PROPOSED SPOT ELEVATION
- EXISTING DRAINAGE
- PROPOSED DRAINAGE
- EXISTING SANITARY
- PROPOSED SANITARY
- L — SANITARY LATERALS
- FM — FORCE MAIN
- FD — FOOTING DRAIN
- RD — ROOF DRAIN
- W — WATER SERVICE
- G — GAS LINE
- COTG — CLEAN OUT TO GRADE
- FF — FINISHED FLOOR
- GF — GARAGE FLOOR
- BS — BASEMENT SLAB
- R — HANDICAP RAMP
- V — VAN ACCESSIBLE SPACE
- WL 27 — INLAND WETLANDS WITH FLAG #
- OBSERVATION HOLE
- PERCOLATION TEST
- GTD — GRADE TO DRAIN
- SF — SYNTHETIC FILTER BARRIER
- WATER BREAK
- LOD — LIMIT OF DISTURBANCE
- FE — FOUNDATION ENVELOPE
- BUILDING SETBACK LINE
- DE — DRAINAGE EASEMENT
- GE — GRADING EASEMENT
- SR — SLOPE RIGHTS
- CE — CONSERVATION EASEMENT
- ME — MAINTENANCE EASEMENT
- 100' UPLAND REVIEW LIMIT
- WATERCOURSE

PERMIT SET–NOT BE USED FOR CONSTRUCTION

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3	05-26-26	IWWC

DATE: 01-13-26
PROJECT #: 3177
DRAWING FILE:
DRAWN BY: NDC
SCALE: 1"=20'

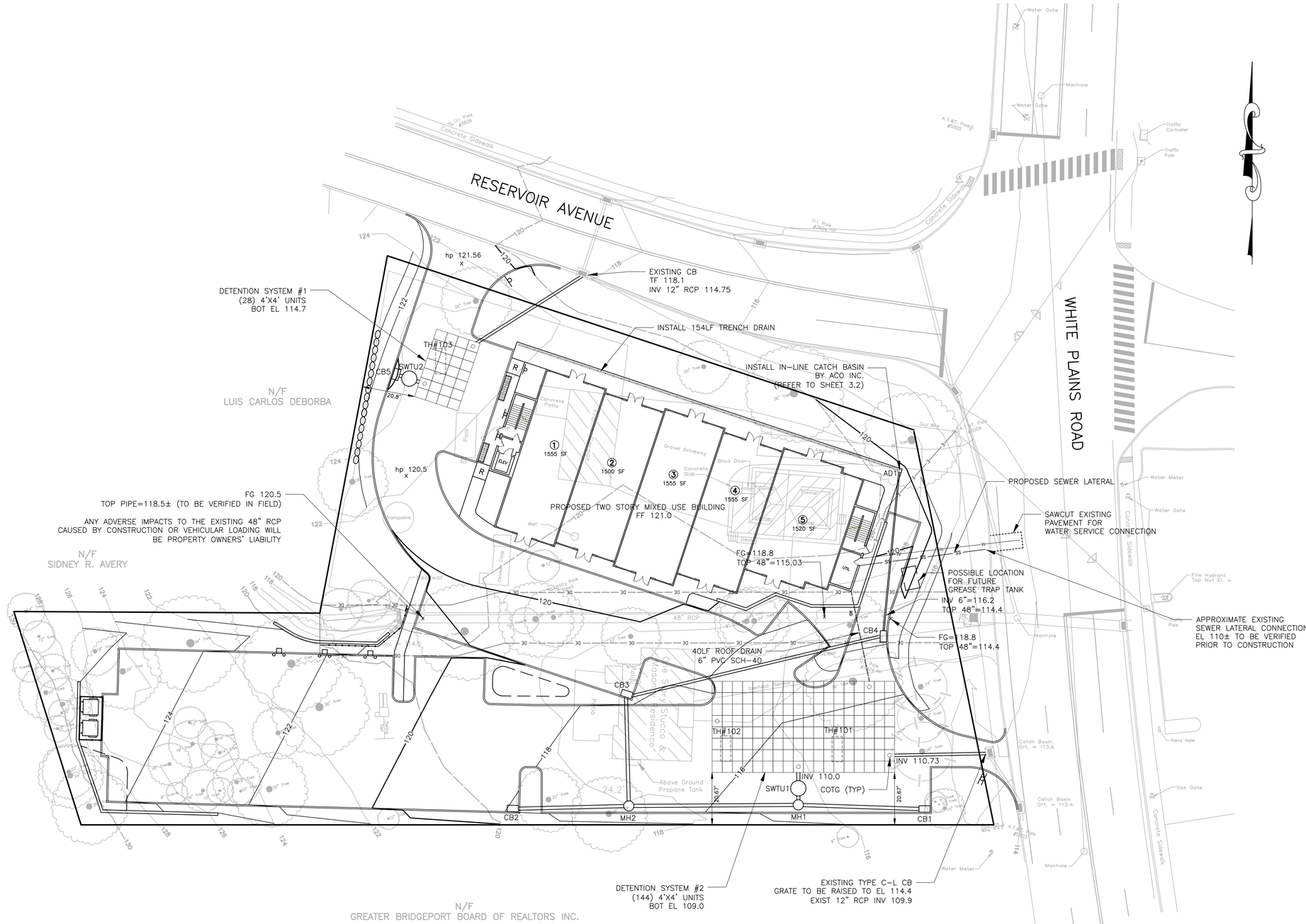
TITLE

SITE PLAN

SHEET NUMBER

2.1

K:\PROJECTS\3177 - ESPOSITO - MADISON PROPERTIES - 855-861 WHITE PLAINS ROAD\DRAWINGS\2.1 SITE PLAN



LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- 520.2 — EXISTING SPOT ELEVATION
- 520.2 x — PROPOSED SPOT ELEVATION
- EXISTING DRAINAGE
- PROPOSED DRAINAGE
- EXISTING SANITARY
- PROPOSED SANITARY
- L — SANITARY LATERALS
- FM — FORCE MAIN
- FD — FOOTING DRAIN
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- CE — CONSERVATION EASEMENT
- ME — MAINTENANCE EASEMENT
- 100' UPLAND REVIEW LIMIT
- WATERCOURSE
- WATERCOURSE OFFSET

DRAINAGE STRUCTURES

ALL CB's ARE TYPE C UNLESS NOTED OTHERWISE

CB1 TF 114.0 15" INV 110.5 (W)	CB2 TF 117.9 15" INV 114.4 (E)	CB3 TF 118.6 12" INV 113.25 (E) 15" INV 113.0 (S)	CB4 TF 118.3 6" INV 115.8 (N) 12" INV 114.25 (W)	CB5 TF 120.0 15" INV 116.5 (E)
MH1 TF 115.2 15" INV 110.25 (E+W)	MH2 TF 116.75 15" INV 112.0 (N+E+W)	AD1* TF 120.88 6" INV 118.72 (S)	SWTU1 TF 115.3 15" INV 110.15 (N+S)	SWTU2 TF 120.1 15" INV 116.4 (E+W)

* REFER TO DETAIL ON SHEET 3.2

DRAINAGE PIPES

ALL PIPES ARE HDPE UNLESS NOTED OTHERWISE. PIPE LENGTHS ARE FROM CL TO CL OF STRUCTURES

FROM CB1 TO MH1 SIZE: 15" SLOPE: .5% LENGTH: 50 LF	FROM MH1 TO SWTU1 SIZE: 15" SLOPE: 1.66% LENGTH: 6 LF	FROM SWTU1 TO DET SYS #2 SIZE: 15" SLOPE: 2.5% LENGTH: 6 LF	FROM CB2 TO MH2 SIZE: 15" SLOPE: 5.21% LENGTH: 46 LF	FROM MH2 TO MH1 SIZE: 15" SLOPE: 9.7% LENGTH: 67 LF
FROM AD1** TO CB4 SIZE: 6" SLOPE: 4.49% LENGTH: 65 LF	FROM CB4 TO CB3 SIZE: 12" SLOPE: 0.96% LENGTH: 104 LF	FROM CB3 TO MH2 SIZE: 15" SLOPE: 2.27% LENGTH: 44 LF		

* 6" PVC SCH-40

20 0 20 40

PERMIT SET-NOT BE USED FOR CONSTRUCTION

J. EDWARDS & ASSOCIATES LLC
ENGINEERING • SURVEYING • SITE PLANNING

227 Stepney Road Easton, CT 06612
Phone:203.268.4205 Fax: 203.268.5604
www.jedwardsassoc.com

STATE OF CONNECTICUT — JOHN EDWARDS — No. 10937 — LICENSED PROFESSIONAL ENGINEER

STATE OF CONNECTICUT — JOHN EDWARDS — LICENSED LAND SURVEYOR

885 & 861 WHITE PLAINS ROAD
TRUMBULL, CONNECTICUT
PREPARED FOR
MADISON PROPERTIES LLC

REVISIONS

#	DATE	DESCRIPTION
1	03-31-26	CLIENT
2	04-07-26	IWWC
3	05-26-26	IWWC

DATE: 01-13-26
PROJECT #: 3177
DRAWING FILE:
DRAWN BY: NDC
SCALE: 1"=20'

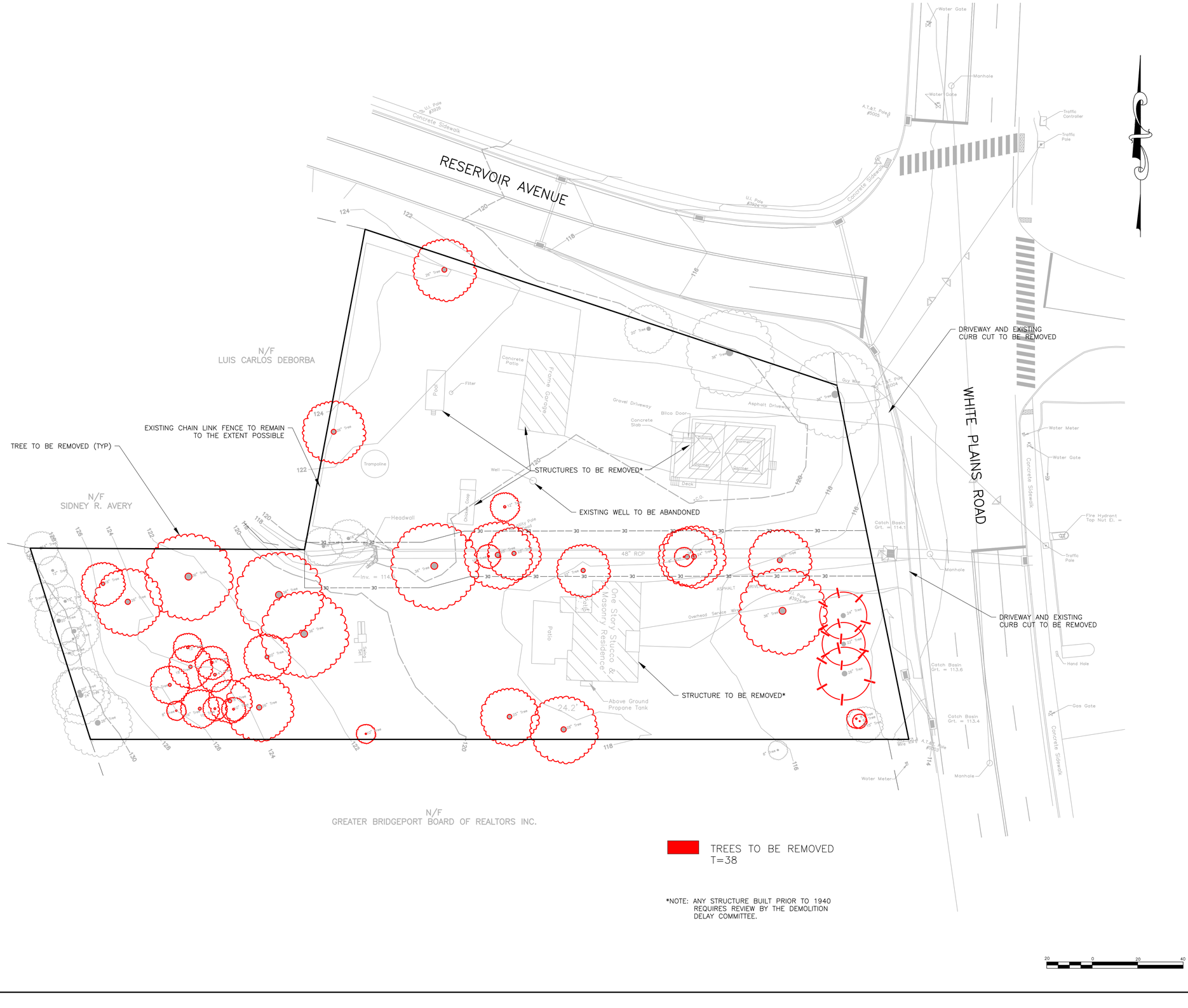
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UNDERGROUND UTLITIES PLAN

SHEET NUMBER

2.2

K:\PROJECTS_3177 - ESPOSITO - MADISON PROPERTIES - 855-861 WHITE PLAINS ROAD\DRAWINGS\2.2 UNDERGROUND UTILITIES PLAN



LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- 520.2 EXISTING SPOT ELEVATION
- 520.2 PROPOSED SPOT ELEVATION
- EXISTING DRAINAGE
- PROPOSED DRAINAGE
- EXISTING SANITARY
- PROPOSED SANITARY
- L SANITARY LATERALS
- FM FORCE MAIN
- FD FOOTING DRAIN
- RD ROOF DRAIN
- W WATER SERVICE
- G GAS LINE
- COTG CLEAN OUT TO GRADE
- FF FINISHED FLOOR
- GF GARAGE FLOOR
- BS BASEMENT SLAB
- R HANDICAP RAMP
- V VAN ACCESSIBLE SPACE
- INLAND WETLANDS WITH FLAG #
- OBSERVATION HOLE
- PERCOLATION TEST
- GTD GRADE TO DRAIN
- SF SYNTHETIC FILTER BARRIER
- WATER BREAK
- LOD LIMIT OF DISTURBANCE
- FE FOUNDATION ENVELOPE
- BUILDING SETBACK LINE
- DE DRAINAGE EASEMENT
- GE GRADING EASEMENT
- SR SLOPE RIGHTS
- CE CONSERVATION EASEMENT
- ME MAINTENANCE EASEMENT
- 100' UPLAND REVIEW LIMIT
- WATERCOURSE
- WATERCOURSE OFFSET

*NOTE: ANY STRUCTURE BUILT PRIOR TO 1940 REQUIRES REVIEW BY THE DEMOLITION DELAY COMMITTEE.

PERMIT SET–NOT BE USED FOR CONSTRUCTION

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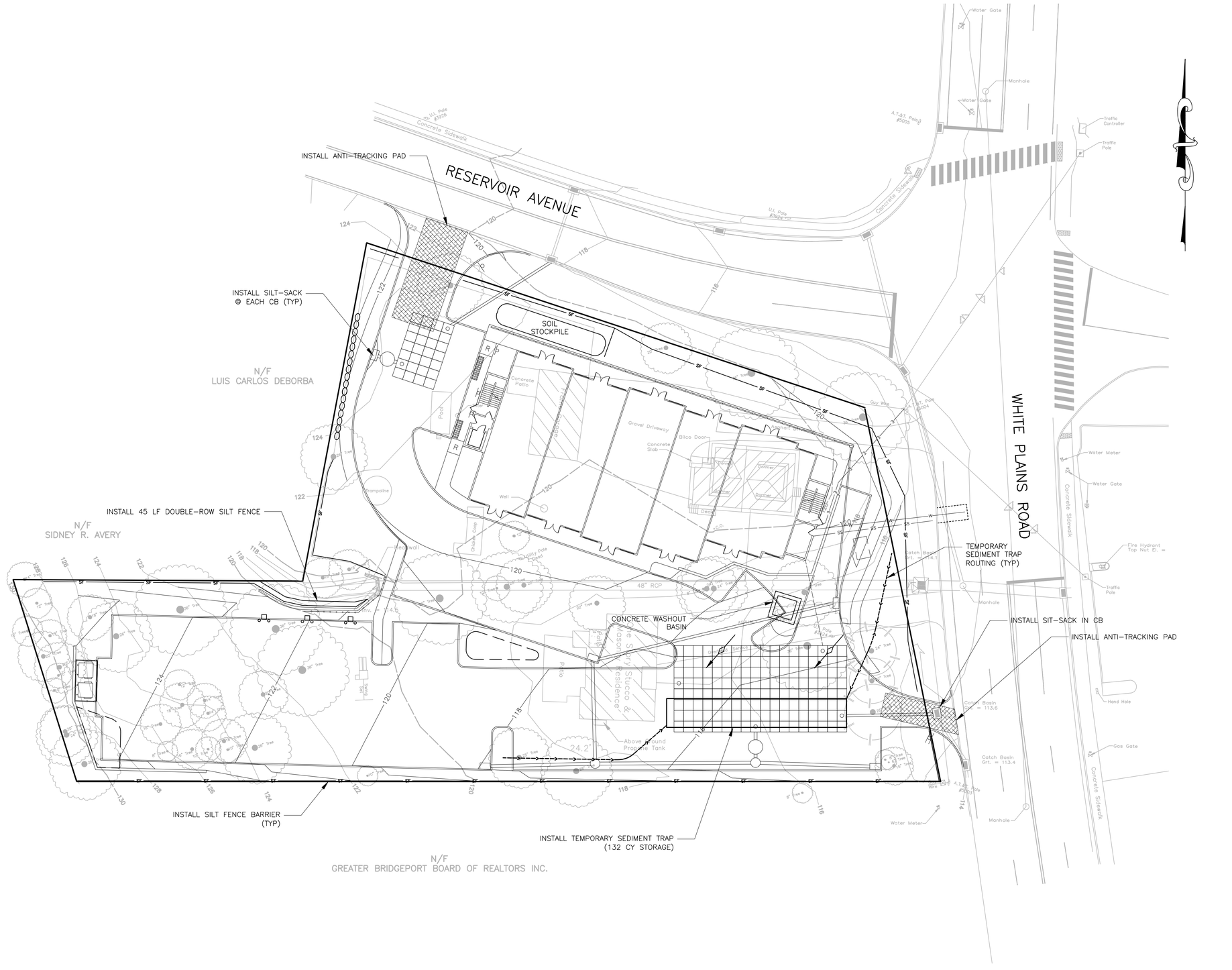
TITLE

DEMOLITION PLAN

SHEET NUMBER

2.3

K:\PROJECTS\3177 – ESPOSITO – MADISON PROPERTIES – 855-861 WHITE PLAINS ROAD\DRAWINGS\2.3 DEMOLITION PLAN



LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- 520.2 EXISTING SPOT ELEVATION
- 520.2 x PROPOSED SPOT ELEVATION
- EXISTING DRAINAGE
- PROPOSED DRAINAGE
- EXISTING SANITARY
- PROPOSED SANITARY
- L SANITARY LATERALS
- FM FORCE MAIN
- FD FOOTING DRAIN
- RD ROOF DRAIN
- W WATER SERVICE
- G GAS LINE
- COTG CLEAN OUT TO GRADE
- FF FINISHED FLOOR
- GF GARAGE FLOOR
- BS BASEMENT SLAB
- R HANDICAP RAMP
- V VAN ACCESSIBLE SPACE
- WL 27 INLAND WETLANDS WITH FLAG #
- OBSERVATION HOLE
- PERCOLATION TEST
- GTD GRADE TO DRAIN
- SF SYNTHETIC FILTER BARRIER
- WATER BREAK
- LOD LIMIT OF DISTURBANCE
- FE FOUNDATION ENVELOPE
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- 100' UPLAND REVIEW LIMIT
- WATERCOURSE
- WATERCOURSE OFFSET

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DATE: 01-13-26
PROJECT #: 3177
DRAWING FILE:
DRAWN BY: NDC
SCALE: 1"=20'

TITLE

EROSION CONTROL PLAN

SHEET NUMBER

2.4

K:\PROJECTS\3177 - ESPOSITO - MADISON PROPERTIES - 855-861 WHITE PLAINS ROAD\DRAWINGS\2.4 EROSION CONTROL PLAN

GENERAL NOTES

1. The proposed improvements indicated on these plans are shown as one of many possible layouts. Any variation from these plans is to be approved by the design Engineer and may require Municipal and State approval.

2. Topographic data and property lines are based on an Zoning/Location Survey, Prepared For Kenneth J. Esposito, Jr. 855 White Plains Road And Horizon View Developers LLC, 861 White Plains Road, Trumbull, Connecticut, Scale 1"=20', Dated March 16, 2026 by Walter H. Skidd–Land Surveyor LLC.

3. Owners: 855 White Plains Road
Kenneth J. Esposito, Jr.
759 East Broadway
Milford, CT 06460

861 White Plains Road
Horizon View Developers LLC
759 East Broadway
Milford, CT 06460

4. Total area of site is 1.2637 acres.

5. Reference is made to a document titled: Stormwater Management Report for the Proposed Development Of Site Improvements Located At 855 & 861 White Plains Road, Trumbull CT., Prepared On: March 31, 2026 Prepared by J. Edwards & Associates LLC.

6. The site will be served with public water and a private sewage disposal system.

7. The location of underground utilities, if any, is unknown. Call Before–You–Dig 1–800–922–4455.

8. Retaining walls are to be designed by a structural engineer. Retaining wall over three (3) feet high require a building permit.

9. It is the contractor's responsibility to verify all on–site and off–site field conditions and establish that no changes have occurred since the issuance of this plan. The design engineer is to be notified of any field conditions which conflict with this plan.

10. Existing grades shown hereon are to be verified by the contractor prior to commencing construction. The benchmark shown on these plans is to be verified by the contractor prior to commencing construction.

11. All construction methods, materials and system installations are to conform to Town of Monroe Standards and the State of Connecticut Department of Transportation, Standard Specifications for Roads, Bridges and Incidental Construction, Form 818, July 2020, with latest revisions, to conform all applicable local and state regulations and to normal standards of good practice.

12. All new, altered or replacement utilities shall be installed underground.

13. All roof drains shall discharge to the designated detention system.

14. The contractor shall submit shop drawings for all drainage, detention, and sewer structures.

15. The contractor shall be responsible for obtaining "as–built" drawings by a licensed land surveyor of detention and sewer facilities.

16. Approximately 1.13 acres will be disturbed for the improvements indicated on the plans.

STORM WATER POLLUTION CONTROL PLAN

Project description

The proposal is for the construction of a 8,500 sf (footprint) mixed–use building and its appurtenances.

1. Erosion and sediment control measures will be constructed in accordance with the Town of Monroe Standards, State of Connecticut Department of Transportation Standard Specifications for Roads, Bridges and Incidental Construction, Form 818, 2020, with latest revisions, and 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, Dep Bulletin 34.

2. The Stormwater Pollution Control Plan shall include all erosion and sedimentation control shown on the approved maps and detail sheets. These controls are assumed to be the minimum required, and the contractor may be required to install additional measures as site conditions and weather warrant.

3. All erosion and sediment control devices will be installed prior to the start of clearing and grubbing operations and excavation work. All the devices will be maintained as specified in this document until the disturbed earth has been paved or vegetated, at which time the devices will be removed.

4. All construction methods, materials and system installations are to conform to all applicable local and state regulations.

5. Grading to be according to all applicable regulations and normal standards of good practice.

6. Land disturbance will be kept to a minimum. Restabilization will be scheduled as soon as practicable.

7. Stockpiles of topsoil and common fill shall be located outside regulated areas where possible. They should be surrounded with silt fence and temporarily stabilized by seeding with a 50–50 mix of annual and perennial rye grass at the rate of one pound per 1,000 square feet of surface area shall be employed between March 15 and June 15 or August 1 and October 1. Mulch with straw or hay at the rate of 70 to 90 pounds per 1,000 square feet until stabilized.

8. All control measures will be maintained in effective condition throughout the construction period until the area is stabilized.

9. Maintenance of the erosion controls shall consist of inspection at the start of each work day with special attention afforded following storm events. Noted deficiencies shall be corrected immediately. Accumulated sediment shall be removed from the erosion control device and dispersed temporarily on the upland portion of the disturbed area. Additional seeding or mulching shall be employed as required.

10. The contractor is to inspect the site daily during construction to insure the integrity of the erosion controls.

11. The contractor is to have available at all times extra silt fence, hay bale mulch, grass seed and riprap to implement additional erosion control measures not foreseen in this plan.

12. Prior to closing the site down for winter, if required, the contractor shall schedule a meeting with the project engineer to review site conditions and make recommendations to minimize erosion during the winter. The meeting is to be held no later than October 1,of any given year.

13. Accumulated sediment is to be disposed of in an area approved by the design engineer and verification compliance accepted by the Town.

14. This plan and report may be modified by the engineer based upon field conditions. Any alteration of the proposed layout requires acceptance/approval by the Town Planner and/or Zoning Enforcement Officer, or applicable Commission actions if warranted.

15. Catch basins shall be protected with silt sacks, haybales, and/or silt fence during construction until all disturbed areas are stabilized.

16. Water breaks, silt fence, haybales and other measures are to be maintained until drainage is complete and site is stabilized with vegetated cover.

17. Stabilization practices may include silt fences, temporary seeding, permanent seeding, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation and other vegetative and non–structural measures as identified in the Guidelines. Where construction activities have permanently ceased or have temporarily been suspended for more than seven days or when final grades are reached in any portion of the site, stabilization practices shall be implemented within three days. Areas which remain disturbed but inactive for at least thirty days shall receive temporary seeding and/or mulching in accordance with the Guidelines. Areas that will remain disturbed beyond the planting season, shall receive long–term, non–vegetative stabilization sufficient to protect the site through the winter.

18. Structural practices include but are not limited to earth dikes (diversions), drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, outlet protection, reinforced soil retained systems, gabions and temporary or permanent sediment basins and chambers.

19. Disturbance for lot development will be limited to 1 acre at any one time. Overland drainage from uphill sources will be diverted around the disturbed portions of the lot until those disturbed areas have been stabilized. If more than 1 acre is to be disturbed at one time, sediment basins must be provided. These sediment basins shall have a storage capacity of 134 cubic yards per acre of tributary area. Possible locations are shown on the site plan.

20. De–watering waste waters might be generated during the construction of the underground utilities and the excavation for foundations. Contractors shall arrange for the pumping of water in excavations to occur in sumps created in the excavation and will discharge into temporary sediment basins.

21. All contractors and subcontractors working on site will ensure that no litter, debris, building material or similar material is discharged to the inland wetlands.

22. Contractors will implement techniques to control the generation of dust.

23. All post construction storm water structures will be cleaned of construction sediment and any remaining silt fence shall be removed.

24. The site will have an anti–tracking pad installed at the point where construction traffic exits the site and silt fence installed as shown on the plans or as required downhill of areas of disturbed earth. Refer to the detail drawings for specifics on proposed measures.

Kenneth Esposito 203–218–4141 is assigned the responsibility for implementing this Storm water Pollution Control Plan during the construction. This responsibility includes the installation and maintenance of control measures, informing all parties engaged on the construction site of the requirements and objectives of the plan. If the land is transferred, the Planning and Zoning office shall be notified and a copy of the Storm water Pollution Control Plan shall be conveyed to the new owners. It shall become the responsibility of the new owners to implement the Storm water Pollution Control Plan for the site as outlined in this Storm water Pollution Control Plan.

CONSTRUCTION SEQUENCE

1. Install anti–tracking pads as shown where construction traffic enters a public right–of–way.
2. Install perimeter erosion and sediment controls.
3. Demolish any existing structures and remove debris from site.
4. Clear trees and brush. No burying of stumps, slash and grubbing material is allowed on any site. Materials must be chipped or removed from the site and disposed of at a permitted location.
5. Install temporary sediment trap.
6. Direct stormwater runoff from the construction area with temporary sediment routing and diversion berms as necessary to flow into the temporary sediment traps.
7. Strip topsoil and stockpile in designated area.
8. Rough grade site, building pad and parking areas. Install additional temporary water breaks if required.
9. Construct all perimeter retaining walls.
10. Construct building foundation.
11. Construct retaining wall adjacent to building.
12. Install storm detention system #1 and corresponding facilities.
13. Remove temporary sediment trap and construct remainder of stormwater detention facilities.
14. Install drainage structures and piping.
15. Install underground utilities and site lighting.
16. Place, grade and compact the processed aggregate in the driveway and parking base.
17. Install first course of bituminous concrete.
18. Install sidewalks and pedestrian ramps.
19. Install curbing where required.
20. Apply stabilization measures to remaining disturbed areas in accordance with the Stormwater Quality Management Plan (topsoil, seeding, sodding, mulching, etc.)
21. Inspect and clean drainage system as needed.
22. Install the final course of bituminous concrete pavement.
23. Install landscaping materials.
24. After site is stabilized in accordance with the applicable Stormwater Quality Management Plan measures, remove temporary erosion and sediment controls.

SITE MAINTENANCE PLAN

This Site Maintenance Plan and Schedule highlights the maintenance procedures for the development. However, this does not preclude the maintenance personnel's responsibility to perform maintenance procedures properly, add other procedures as necessary and conduct maintenance in accordance with current state laws and regulations.

Driveways and Parking Areas

The driveway and parking area shall be swept with a mechanical sweeper or broom at least four times per year. One cleaning will be in the fall after the leaves are off the trees. The second will be in the spring after the last snow fall. The other two sweepings will be scheduled at equal intervals during the spring, summer and early fall seasons preferably after extended dry periods. A light spray of water is recommended to minimize dust during sweeping. Use of high velocity blowers is not recommended as they often "defeat the basic purpose of sweeping in an environmentally sound manner."

The sweepings shall be collected and removed from the site. The disposal method shall be determined by the personnel conducting the sweeping and shall comply with all applicable laws.

Pavement markings, directional arrows and stop bars shall be inspected annually. All pavement markings and directional signs shall be replaced as necessary to insure they are clear, visible and reflective to maintain safe traffic flow.

Paved surfaces shall be crack sealed on a yearly basis and inspected for "Pot Holes". Required patching shall be done on a yearly basis every spring. Paved surfaces should be replaced every 20 years, or as site conditions warrant.

Infiltration Galleries

The detention galleries shall be inspected annually. If sediment is observed at the inlet to the gallery system, it shall be removed. This is an indication that the catch basin sumps and or the stormwater treatment unit are not functioning as designed. It may be necessary to increase the frequency of the cleaning of the drainage structures.

Catch Basins and Trench Drains

The catch basins shall be cleaned twice per year. The cleaning shall be in the late fall after leaves have fallen and before snowfall. The second cleaning shall be in springtime after snow melt to remove accumulated debris and sand from the catch basin sumps. In no case, shall the sediment level exceed 50% of the sump volume of the catch basins.

A vactor truck may be used to clean the catch basins. Disposal of liquids and solids contained in the vactor truck requires specific disposal protocol and discharge permits. Operators shall be aware of the regulations. Decanted water from the catch basins may not be returned to the catch basin.

Landscaping

The site landscaping shall be maintained including trimming and replacing plant materials that have died or diseased. All grass areas shall be maintained by cutting and fertilizing. All fertilizer application shall be based upon a yearly evaluation of the required nutrient levels and fertilizer application shall be calibrated accordingly to avoid excessive amounts of fertilizer. Litter and dead, diseased or unhealthy plants which are a safety hazard shall be removed.

SOILS TESTING

DEEP TEST RESULTS

TESTING PERFORMED:2/03/26 – NDC, K. Esposito

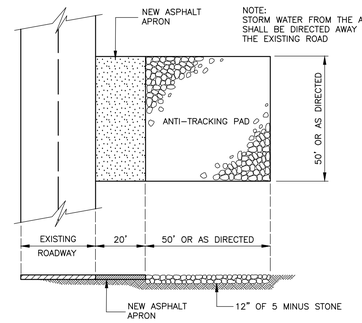
#TH–101 Roots @ 21"
0 – 12" Top Soil
12" – 24" Orange Brown Fine Sandy Loam w/Cobbles
24" – 48" Orange Brown Medium to Coarse Sand & Gravel w/Cobbles
48" – 132"Orange Brown Medium to Coarse Sand & Gravel w/Stones
No Ledge No Water No Redoximorphic Features

#TH–102
0 – 6" Top Soil
6" – 28" Orange Brown Fine Sandy Loam w/Cobbles
28" – 152"Orange Brown Medium to Coarse Sand & Gravel w/Stones
No Ledge No Water No Redoximorphic Features

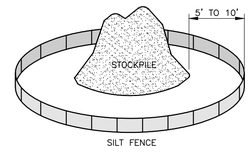
#TH–103
Roots @ 60"
0 – 12" Top Soil
12" – 30" Orange Brown Fine Sandy Loam w/Cobbles
30" – 150"Orange Brown Medium to Coarse Sand & Gravel w/Stones
No Ledge Moist @ 140" No Redoximorphic Features

FORM 818 CONSTRUCTION NOTES:

1. All work within the State right–of–way will comply with Form 818, "The State of Connecticut Department of Transportation Standard Specifications for Roads, Bridges and Incidental Construction " with the latest Special Provisions and Typical State Standard Details. In any case where the construction is not specifically detailed in the Form 818, the work will be completed as directed by the Engineer or District Permit Section Representative.
2. Removal of pavement markings along state roadways shall be completed by a non–destructive method in compliance with the State of Connecticut Department of Transportation Standard Specifications for Road, Bridges, and Incidental Construction Form 818 Section 12.11 as revised.
3. New Pavement markings shall be painted with epoxy resin paint in compliance with the State of Connecticut Department of Transportation Standard Specifications for Roads, Bridges, and Incidental Construction Form 818 Section 12.10 as revised.
4. New sign material and sheeting shall be made of reflective material in compliance with State of Connecticut Department of Transportation Standard Specifications for Roads, Bridges, and Incidental Construction Form 818 Section 12.08 as revised. Type 1 Reflective Sheeting shall be used for signs with white background , Type 3 Reflective Sheeting shall be used for signs with colored background except for signs with red background that shall be Type 8 or 9 Reflective Sheeting.
5. All signs and pavement markings installed within the State Right of Way must conform to the "Manual on Uniform Traffic Control Devices" and the latest State of Connecticut Catalog of Signs as revised.
6. Any damage to the existing curb, sidewalk or any other highway appurtenances during the development of the permitted site will be replaced by the contractor as directed by the District 3 Permit Section at no cost to the State.
7. The permittee shall contact Ms. Jennifer Caro, Department's District Survey Unit, at 203–389–3112 or regarding placement of monument, prior to completion of work on site.
8. The Department will furnish a new monument, which the permittee will be required to install at the direction of DOT Survey Unit and according to CTDOT specification.

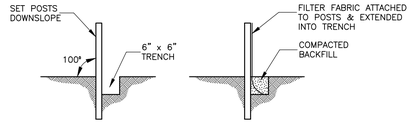


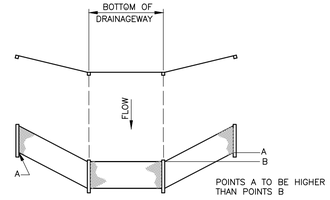
ANTI–TRACKING PAD



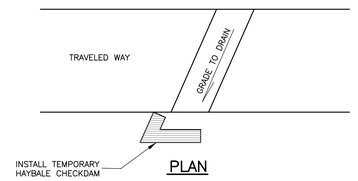
APPLY MIXTURE OF PERRENIAL RYEGRASS, ANNUAL RYEGRASS AND WINTER RYE AT A RATE OF 10 LBS PER 1000 SF

STOCKPILE STABILIZATION

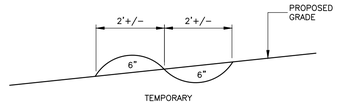




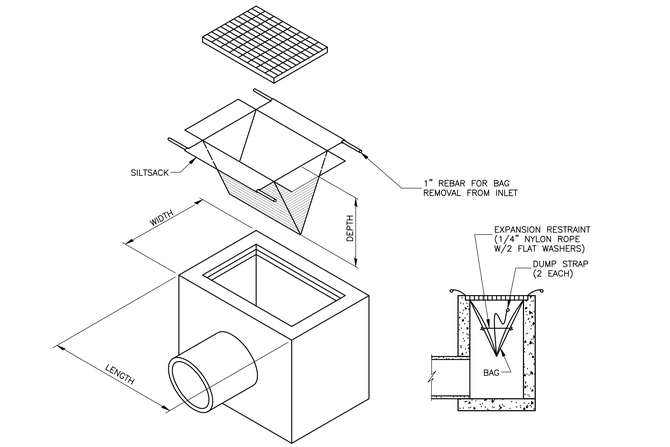
SYNTHETIC FILTER BARRIER



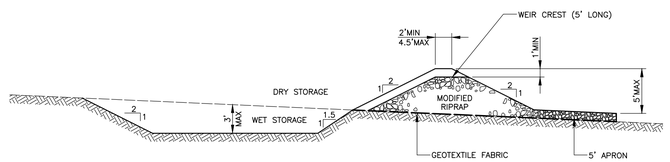
PLAN



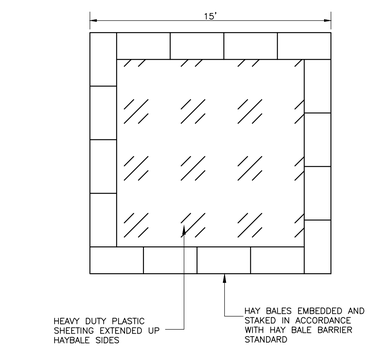
TEMPORARY WATER BREAK



SEDIMENT CONTROL AT INLET



TEMPORARY SEDIMENT TRAP



CONCRETE WASHOUT BASIN

PERMIT SET–NOT BE USED FOR CONSTRUCTION

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STATE OF CONNECTICUT KENNETH J. ESPOSITO No. 10937 LICENSED PROFESSIONAL ENGINEER

STATE OF CONNECTICUT WALTER H. SKIDD JR. No. 15031 LICENSED LAND SURVEYOR

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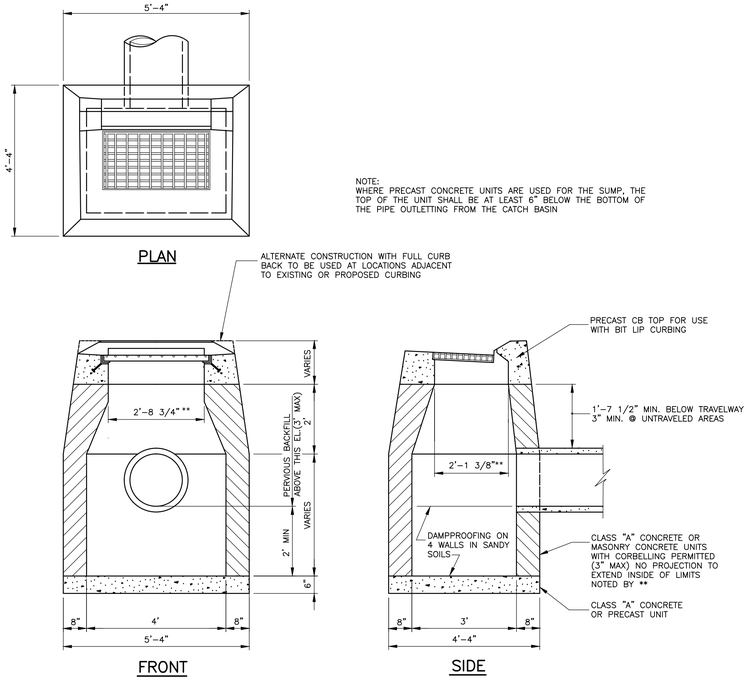
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DETAILS

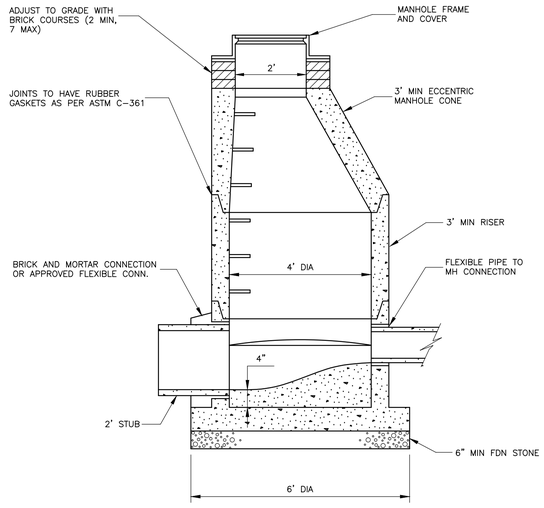
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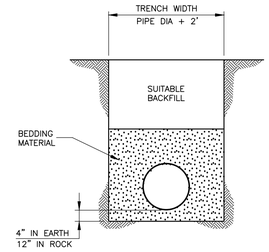
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TYPE "C" CATCH BASIN

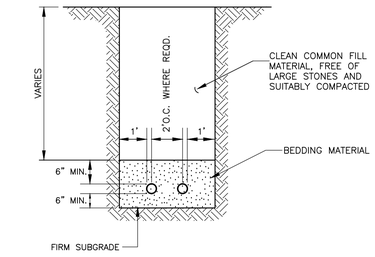


48" PRECAST CONCRETE MANHOLE



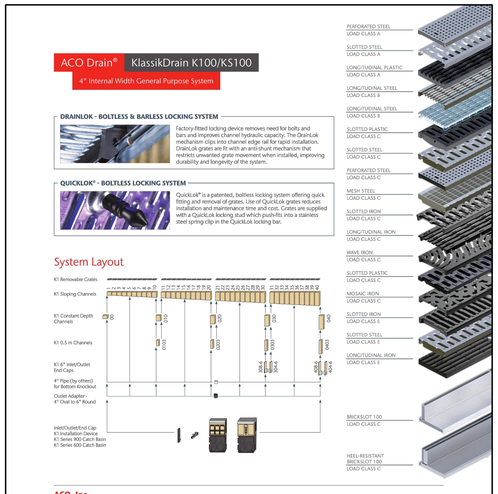
BEDDING MATERIAL TO BE SAND OR SANDY SOIL WHICH PASSES A 3/8" SIEVE WITH NOT MORE THAN 10% PASSING A #200 SIEVE. WHEN GROUND WATER IS ENCOUNTERED, THE ENGINEER MAY ALLOW 3/4" STONE CONFORMING TO CT DOT FORM 817 ARTICLE M.01.01 TO BE USED INSTEAD.

DRAINAGE PIPE TRENCH

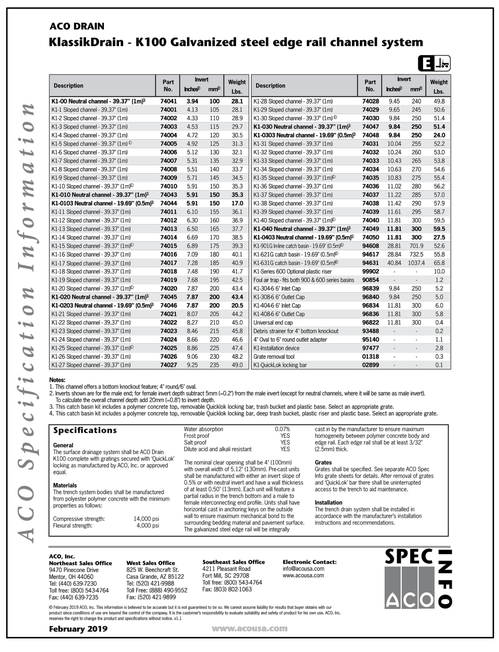


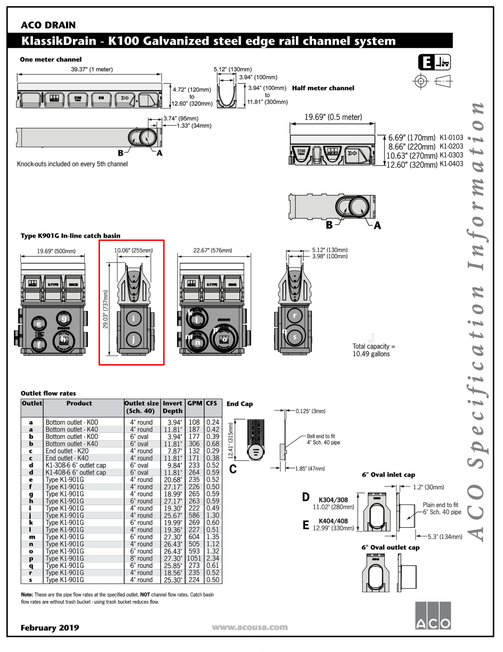
BEDDING MATERIAL TO BE SAND OR SANDY SOIL WHICH PASSES A 3/8" SIEVE WITH NOT MORE THAN 10% PASSING A #200 SIEVE. WHEN GROUND WATER IS ENCOUNTERED, THE ENGINEER MAY ALLOW 3/4" STONE CONFORMING TO CT DOT FORM 817 ARTICLE M.01.01 TO BE USED INSTEAD.

UTILITIES TRENCH

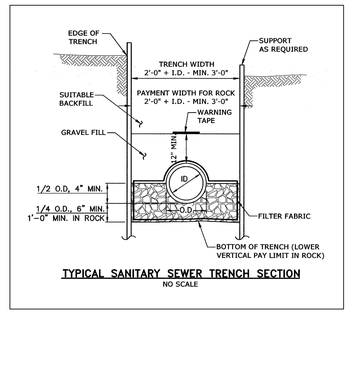


TRENCH DRAIN





IN-LINE CATCH BASIN



TYPICAL SANITARY SEWER TRENCH SECTION
NO SCALE

PERMIT SET-NOT BE USED FOR CONSTRUCTION

885 & 861 WHITE PLAINS ROAD
TRUMBULL, CONNECTICUT
PREPARED FOR
MADISON PROPERTIES LLC

J. EDWARDS & ASSOCIATES LLC
ENGINEERING • SURVEYING • SITE PLANNING
227 Stepney Road Easton, CT 06612
Phone:203.268.4205 Fax: 203.268.5604
www.jedwardsassoc.com

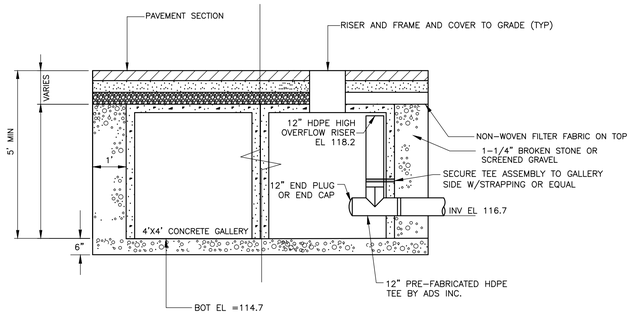
REVISIONS

#	DATE	DESCRIPTION
1	03-31-26	CLIENT
2	04-07-26	IWWC
3	05-26-26	IWWC

DATE: 01-13-26
PROJECT #: 3177
DRAWING FILE:
DRAWN BY: NEC
SCALE:

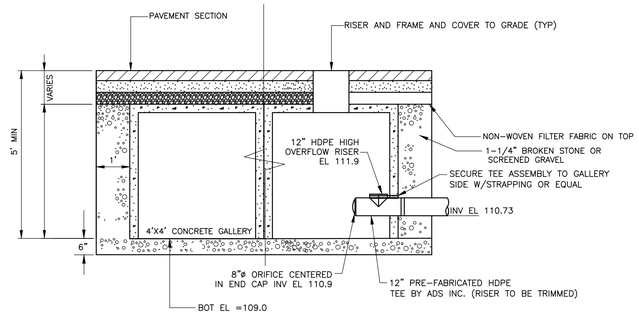
TITLE
DETAILS

SHEET NUMBER
3.2



DETENTION GALLERY SYSTEM #1

WITH H20 LOADING



DETENTION GALLERY SYSTEM #2

WITH H20 LOADING

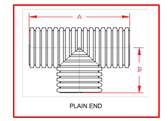
DUAL WALL FABRICATED TEES
4" - 30" DIAMETER

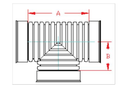
PART #	PIPE SIZE	A	B	JOINT
0460AN	4 in (100 mm)	12.8 in (324 mm)	6.2 in (158 mm)	*
0661AN	6 in (150 mm)	18.5 in (419 mm)	8.1 in (207 mm)	*
0862AN	8 in (200 mm)	21.0 in (533 mm)	10.6 in (269 mm)	*
1063AN	10 in (250 mm)	26.0 in (659 mm)	12.6 in (320 mm)	*
1264AN	12 in (300 mm)	30.7 in (780 mm)	15.4 in (390 mm)	*
1264AN85B	12 in (300 mm)	21.1 in (536 mm)	10.6 in (269 mm)	ST
1264AN65B	12 in (300 mm)	21.1 in (536 mm)	10.6 in (269 mm)	WT
1565AN	15 in (375 mm)	38.9 in (987 mm)	19.4 in (494 mm)	*
1565AN85B	15 in (375 mm)	23.3 in (592 mm)	11.7 in (296 mm)	ST
1565AN65B	15 in (375 mm)	23.3 in (592 mm)	11.7 in (296 mm)	WT
1866AN	18 in (450 mm)	42.9 in (1089 mm)	21.4 in (545 mm)	*
1866AN85B	18 in (450 mm)	26.8 in (681 mm)	13.4 in (340 mm)	ST
1866AN65B	18 in (450 mm)	26.8 in (681 mm)	13.4 in (340 mm)	WT
2467AN	24 in (600 mm)	50.4 in (1280 mm)	25.2 in (640 mm)	*
2467AN85B	24 in (600 mm)	37.8 in (960 mm)	18.9 in (480 mm)	ST
2467AN65B	24 in (600 mm)	37.8 in (960 mm)	18.9 in (480 mm)	WT

* = PLAIN END
ST = SOIL TIGHT
WT = WATER TIGHT
** LIMITED AVAILABILITY, PLEASE SEE INJECTION MOLDED FITTING SECTION FOR OTHER AVAILABLE FITTINGS

NOTE: ALL FITTINGS DIMENSIONS ARE FOR REFERENCE ONLY

© 2021 Advanced Drainage Systems, Inc.

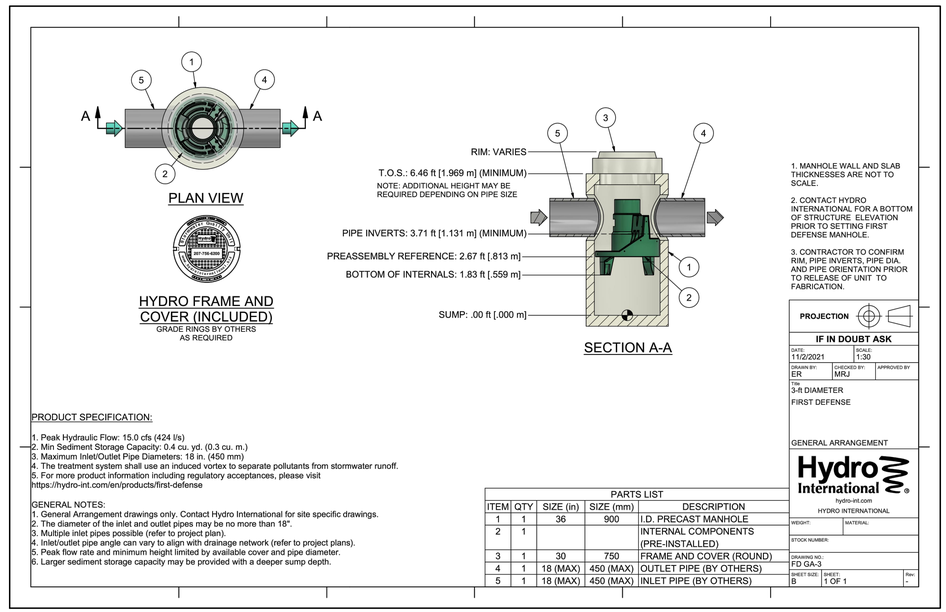




ST & WT (INCLUDES 3 GASKETS)

DRAWING #	2400	
ISSUED BY	JOB	06.04.07
APPROVED BY	JOB	06.08.07
REVISIONS	JB	4.09.07E

PRE-FABRICATED TEE



PRODUCT SPECIFICATION:

1. Peak Hydraulic Flow: 15.0 cfs (424 l/s)
2. Min Sediment Storage Capacity: 0.4 cu. yd. (0.3 cu. m.)
3. Maximum Inlet/Outlet Pipe Diameters: 18 in. (450 mm)
4. The treatment system shall use an induced vortex to separate pollutants from stormwater runoff.
5. For more product information including regulatory acceptances, please visit https://hydro-int.com/en/products/first-defense

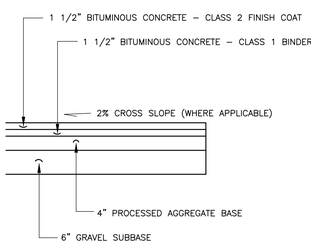
GENERAL NOTES:

1. General Arrangement drawings only. Contact Hydro International for site specific drawings.
2. The diameter of the inlet and outlet pipes may be no more than 18".
3. Multiple inlet pipes possible (refer to project plan).
4. Inlet/outlet pipe angle can vary to align with drainage network (refer to project plans).
5. Peak flow rate and minimum height limited by available cover and pipe diameter.
6. Larger sediment storage capacity may be provided with a deeper sump depth.

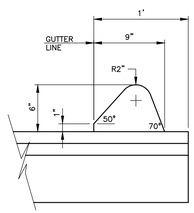
PARTS LIST				
ITEM	QTY	SIZE (in)	SIZE (mm)	DESCRIPTION
1	1	36	900	I.D. PRECAST MANHOLE
2	1			INTERNAL COMPONENTS (PRE-INSTALLED)
3	1	30	750	FRAME AND COVER (ROUND)
4	1	18 (MAX)	450 (MAX)	OUTLET PIPE (BY OTHERS)
5	1	18 (MAX)	450 (MAX)	INLET PIPE (BY OTHERS)

STORMWATER TREATMENT UNIT

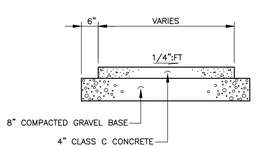
MODEL # HS4 BY HYDROWORKS LLC OR APPROVED EQUAL
(SHOP DRAWING TO BE APPROVED PRIOR TO CONSTRUCTION)



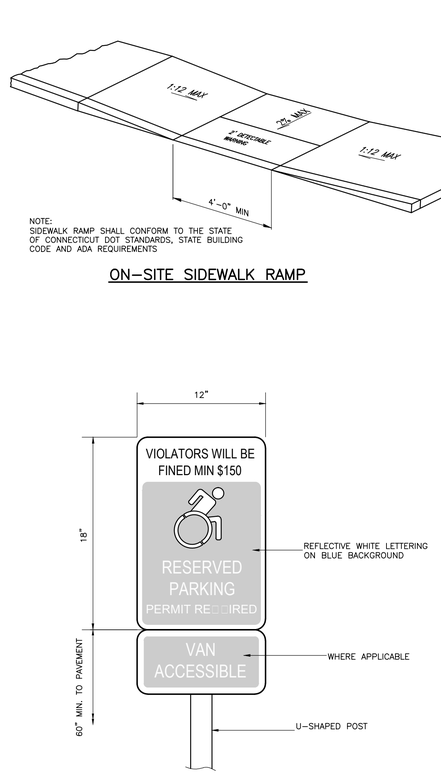
PAVEMENT SECTION-ONSITE



OFF-SITE BITUMINOUS LIP CURBING



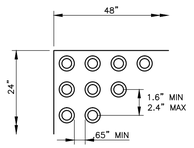
ON-SITE CONCRETE SIDEWALK



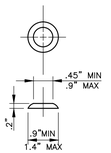
HANDICAP SIGN

NOTE:
SIDEWALK RAMP SHALL CONFORM TO THE STATE OF CONNECTICUT DOT STANDARDS, STATE BUILDING CODE AND ADA REQUIREMENTS

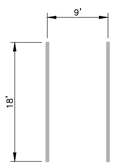
ON-SITE SIDEWALK RAMP



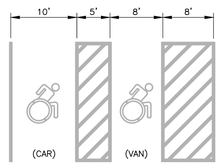
DETECTABLE WARNING



DOME DETAIL



GUEST



HANDICAP

PARKING SPACES

NOTE:
HANDICAP PARKING SPACES SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION

PERMIT SET-NOT BE USED FOR CONSTRUCTION

J. EDWARDS & ASSOCIATES LLC
ENGINEERING • SURVEYING • SITE PLANNING
227 Stepney Road Easton, CT 06612
Phone:203.268.4205 Fax: 203.268.5604
www.jedwardsassoc.com

STATE OF CONNECTICUT JOHN EDWARDS No. 10937 LICENSED PROFESSIONAL ENGINEER

STATE OF CONNECTICUT JOHN EDWARDS LICENSED LAND SURVEYOR

885 & 861 WHITE PLAINS ROAD
TRUMBULL, CONNECTICUT
PREPARED FOR
MADISON PROPERTIES LLC

REVISIONS

#	DATE	DESCRIPTION
1	03-31-26	CLIENT
2	04-07-26	IWWC
3	05-26-26	IWWC

DATE: 01-13-26
PROJECT #: 3177
DRAWING FILE:
DRAWN BY: NEK
SCALE:

TITLE

DETAILS

SHEET NUMBER

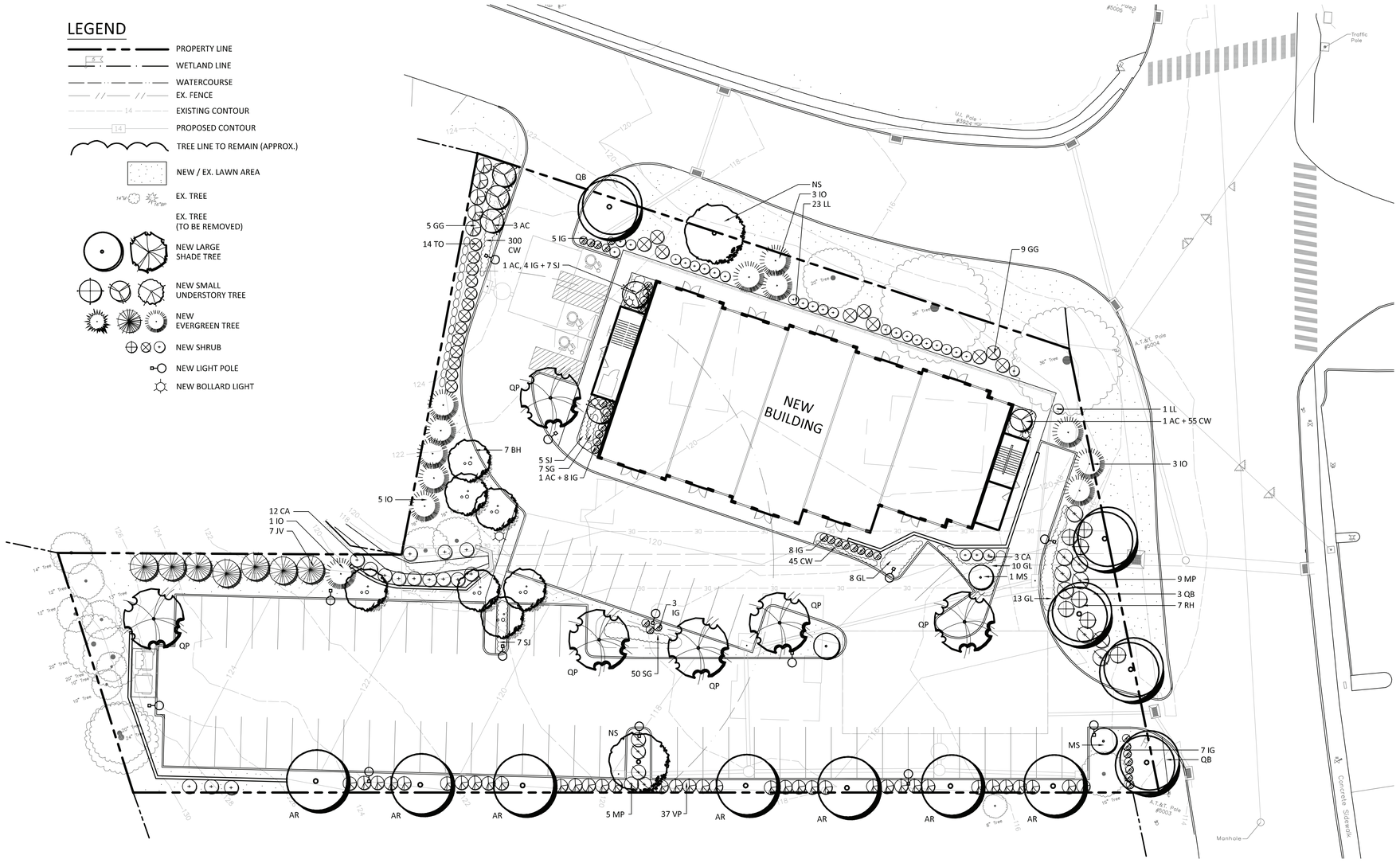
3.3

K:\PROJECTS\3177 - ESPOSITO - MADISON PROPERTIES - 855-861 WHITE PLAINS ROAD\DRAWINGS\3.3 D-3

"CALL BEFORE YOU DIG"

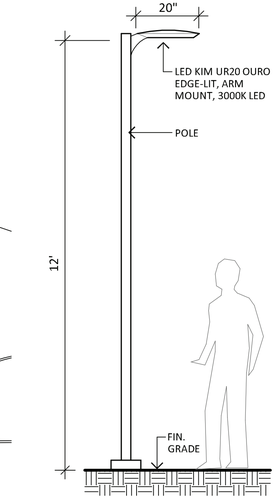
LEGEND

- PROPERTY LINE
- WETLAND LINE
- WATERCOURSE
- EX. FENCE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- TREE LINE TO REMAIN (APPROX.)
- NEW / EX. LAWN AREA
- EX. TREE
- EX. TREE (TO BE REMOVED)
- NEW LARGE SHADE TREE
- NEW SMALL UNDERSTORY TREE
- NEW EVERGREEN TREE
- NEW SHRUB
- NEW LIGHT POLE
- NEW BOLLARD LIGHT



PLAN

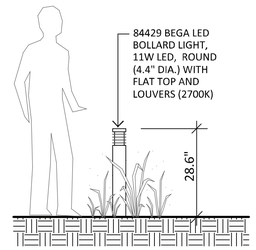
SCALE: 1" = 20'



NOTES:
1. POLE AND LIGHT FIXTURE TO BE BLACK.
2. INSTALL POLE AND LIGHT FIXTURE AS PER THE MANUFACTURER'S RECOMMENDATIONS.

LIGHT POLE (TYP.)

N.T.S.



NOTES:
1. BOLLARD LIGHT FIXTURE COLOR TO BE BRONZE.
2. INSTALL BOLLARD AS RECOMMENDED BY THE MANUFACTURER.

BOLLARD LIGHT (TYP.)

SCALE: NOT TO SCALE

GENERAL NOTES:

1. EXISTING AND PROPOSED SITE INFORMATION TAKEN FROM A DIGITAL AUTOCADD SITE PLAN SUPPLIED BY J. EDWARDS ASSOCIATES, LLC.
2. EXACT LOCATION OF PROPOSED PLANTINGS AND SPECIES TYPES MAY VARY FROM THIS PLAN BASED ON SITE PLAN REVISIONS AND/OR ACTUAL FIELD CONDITIONS.
3. SEED LAWN AREAS WITH A HIGH QUALITY FESCUE AND BLUEGRASS MIX TURF MIX SUCH AS SEED "SMART SEED NORTHEAST MIX" BY PENNINGTON SEED, INC. OR APPROVED EQUIVALENT. APPLY SOIL AMENDMENTS AS RECOMMENDED BY THE MANUFACTURER. SEED AREAS AT THE METHODS AND RATE RECOMMENDED BY THE MANUFACTURER. LIGHTLY MULCH SEEDED AREA WITH WEED-FREE CLEAN HAY. LIGHTLY RAKE OR ROLL GROUND SURFACE AFTER SOWING.
4. PLANT SPECIES SUBSTITUTIONS MAY BE MADE WITH THE APPROVAL OF THE PROJECT LANDSCAPE ARCHITECT PRIOR TO PLANTING. SUBSTITUTED PLANTS SHALL BE AT AN EQUAL OR GREATER SIZE AS NOTED USING A SIMILAR TYPE PLANT.
5. ALL PLANTING METHODS SHALL BE IN ACCORDANCE WITH THE "AMERICAN STANDARDS FOR NURSERY STOCK", LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.
6. THE CONTRACTOR SHALL VERIFY WITH THE PROJECT ENGINEER THAT THE NEW PLANTINGS DO NOT INTERFERE WITH EXISTING AND/OR PROPOSED UTILITIES, SIGHT LINES, AND/OR STRUCTURES.
7. THIS PLAN FOR PLANTING PURPOSES ONLY. SEE PLANS BY OTHERS FOR ADDITIONAL INFORMATION.
8. SPRAY NEW PLANTINGS IMMEDIATELY AFTER INSTALLATION WITH A WHITE-TAILED DEER REPELLENT AND CONTINUE AS NEEDED TO MAINTAIN PLANTS FREE OF SIGNIFICANT DEER BROWSING. PROTECT TRUNKS OF NEWLY PLANTED TREES FROM DEER RUBBING AS NEEDED TO MAINTAIN HEALTHY TREES.

LANDSCAPE LIGHTING NOTES:

1. SITE LIGHTING INFORMATION AND LIGHTING PLANS PREPARED BY ENVIRONMENTAL LAND SOLUTIONS, LLC ARE DESIGNED FOR GENERAL LANDSCAPE AESTHETIC PURPOSES ONLY. LIGHTING INFORMATION SHOWN ON THIS PLAN SHALL NOT BE USED FOR SECURITY OR SAFETY PURPOSES.
2. LOCATION AND TYPE OF LIGHT FIXTURES ARE TYPICAL AND MAY VARY BASED ON ACTUAL FIELD CONDITIONS, SITE AND ARCHITECTURAL PLAN REVISIONS, USE OF EXISTING LIGHTING (IF ANY), NEW BUILDING MOUNTED LIGHTING, AESTHETICS, AND CONSULTATIONS WITH LIGHTING CONSULTANT AND/OR MANUFACTURER.
3. THIS PLAN ASSUMES THAT THE BUILDING WILL HAVE WALL MOUNTED FIXTURES (BY OTHERS) TO LIGHT THE FACADE AND ADJACENT LANDSCAPE AREAS (INCLUDING WALKS AND DOORS).
4. INSTALL LIGHT FIXTURES AS RECOMMENDED BY THE MANUFACTURER.
5. LIGHT POLES LOCATED WITHIN LANDSCAPE AND PEDESTRIAN AREAS SHALL BE ON A BASE FLUSH WITH GRADE LOCATED A MINIMUM OF 3' FROM THE EDGE OF VEHICLE PAVEMENT IF FEASIBLE.

PLANT LIST

QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
7	AR	ACER RUBRUM	RED MAPLE	2 1/2-3" CAL.	B&B	FULL
7	BH	BETULA NIGRA 'HERITAGE'	HERITAGE BIRCH	9-10' HT.	B&B	3 STEMS
2	NS	NYSSA SYLVATICA	BLACK GUM	3-3 1/2" CAL.	B&B	
5	QB	QUERCUS BICOLOR	SWAMP WHITE OAK	3-3 1/2" CAL.	B&B	FULL
6	QP	QUERCUS PALUSTRIS	PIN OAK	3-3 1/2" CAL.	B&B	FULL
6	AC	AMELANCHIER 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SHAD	5-6' HT.	B&B	
3	MS	MAGNOLIA STELLATA 'WATER LILY'	STAR MAGNOLIA	5-6' HT.	B&B	FULL
12	IO	ILEX OPACA	AMERICAN HOLLY	5-6' HT.	B&B	1 MALE
7	JV	JUNIPERUS VIRGINIANA 'BRODIE'	RED CEDAR	5-6' HT.	B&B	FULL
14	GG	THUJA 'GREEN GIANT'	GREEN GIANT ARBORVITAE	5-6' HT.	B&B	
14	TO	THUJA OCCIDENTALIS 'EMERALD GREEN'	EMERALD GREEN ARBORVITAE	4-5' HT.	B&B	
15	CA	CLETHRA ALNIFOLIA	CLETHRA	3-4' HT.	CONT.	
24	LL	HYDRANGEA PANICULATA 'LITTLE LIME'	LITTLE LIME HYDRANGEA	2-3' HT.	CONT.	
19	SJ	HYPERICUM FRONDOSUM 'SUNBURST'	SUNBURST ST. JOHNSWORT	18-24" HT.	CONT.	
35	IG	ILEX GLABRA 'SHAMROCK'	COMPACT INKBERRY	2-3' HT.	CONT.	
17	MP	MYRICA PENSYLVANICA	NORTHERN BAYBERRY	2-3' HT.	CONT.	
7	RH	RHODODENDRON CATAW. 'ALBUM ELEGANS'	ALBUM ELEGANS RHODO.	3-4' HT.	B&B	
31	GL	RHUS AROMATICA 'GRO-LOW'	GRO-LOW SUMAC	2-3' SPR.	CONT.	
35	VP	VIBURNUM PRAGENSE	PRAGUE VIBURNUM	32-36" HT.	B&B	
400	CW	CAREX WOODII	WOOD'S SEDGE		1 QT.	
57	SG	PANICUM VIRGATUM 'SHENANDOAH'	SHENANDOAH SWITCHGRASS		1 GAL.	

GRAPHIC SCALE
0' 10' 20' 40'

PROJECT NORTH

REVISIONS:

DRAWING TITLE: LANDSCAPE PLAN

PROJECT: 861-885 WHITE PLAINS ROAD TRUMBULL, CONNECTICUT

ENVIRONMENTAL LAND SOLUTIONS, LLC
Landscape Architecture and Environmental Planning
8 KNIGHT STREET, SUITE 203
NORWALK, CONNECTICUT 06851
Tel: (203) 855-7879 Fax: (203) 855-7836
info@elsllc.net www.elsllc.net

SEAL: STATE OF CONNECTICUT · REGISTERED LANDSCAPE ARCHITECT

DATE: 4.6.26

SCALE: AS SHOWN

DRAWING NO.: LP.1

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL

APPLICATION FOR PERMIT

SECTION I

Application No.

26-12
Recd 5/27/2026

1. Location/address of property where activity is proposed: _____

   Parcel Size 4.82 ac Zone: AAA Map ID: C/03/00048 Current Use: Vacant

2. Applicant's Name: Bernadine Capozziello

   Applicant's Address: Refer to owner's information.

   Telephone: _____ Cell: 203-650-0716 Email: EDWARD@CAPOZZIELLOLAW.COM

   Applicant's interest in property (Lessee, Licensee, Owner, etc.): Owner

3. Name of Property Owner of Record: Bernadine Capozziello & Anthony J. Capozziello trustees of the Bernadine Capozziello Revocable Trust

   If the owner is a corporation, or other non-individual entity, include the primary contact information

   Address of Owner of Record: C/O Edward J. Capozziello, Esquire, 525 Boston Post Road, Milford CT 06460

   Telephone: (203) 877-3877 Cell: 203-650-0716 Email: edward@capozziellolaw.com

   If Applicant is the Owner, go to #5

4. The undersigned hereby authorizes EDWARD CAPOZZIELLO to act as Agent on my behalf as related to this application.

   Bernadine Capozziello
   (Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities (use separate sheet if necessary):

   Construction of a single-family dwelling and it's appurtenances. Regulated activities include construction of a portion of storm detention gallery system, septic system, footing drain outlet, associated grading, and a boulder barrier.

The applicant understands that this application is to be considered complete only when all information and documents required by the Agency have been submitted.
The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false statement according to the best of his/her knowledge and belief.
Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent (s) to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section 7.5 of the IWWC Regulations.

Applicant's Signature: Bernadine Capozziello Date: 4/2/2026
(If not the Owner)

Owner's Signature: Bernadine Capozziello Date: 4/2/2026
Anthony J. Capozziello

SECTION II

SITE PLAN REQUIREMENTS

1. Total property area: 4.82 ac. Zone: AAA Number of Lots: 1
2. Map ID, from assessors card: C/03/00048
3. Total area existing of wetlands on property: 136,730 sf
4. Total area of Regulated area on property: 50,962 sf
5. Wetlands area to be disturbed: 0
6. Upland Review area to be disturbed: 8825 sf
7. Proposed % of wetlands on the property to be disturbed: 0
8. Total area of proposed land disturbance: 30, 515 sf
9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield: Yes _____ No X (If yes, see Section 8.2 of the Trumbull IWWC Regulations.)
10. Is any portion of the site located within a water company watershed: Yes X No _____ (If yes, see Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)
11. Existing property coverage type data:

	Percent of Regulated Area:	Dominant Species:
Trees:	93%	
Shrubs:		
Grasses, weeds, etc:	7%	
Impervious area:	0%	

12. Existing watercourse data and open water characteristics: (if applicable)
    a. Size of pond(s) or lake(s): N/A
    b. Stream characteristics: intermittent or permanent: N/A
    c.100 year flood evaluation: N/A
13. Probable effect of proposal (if any) on vegetation and wildlife: None
14. Existing or proposed source(s) of water supply for the property: Public Water
15. Existing or proposed method of sewage disposal for the property: Private septic system
16. Creation of proposed water bodies (If yes, detailed information will be required) Yes: _____ No: X
17. List proposed measures to protect regulated and inland wetland areas from:
    a. Erosion and sedimentation: Silt fence barrier
18. Proposed percent of Regulated area to be covered with impermeable surface: 0%
19. Material to be (check all that applies): deposited ☐ excavated ☐ (if yes, complete the following)
    a. Area: 0.2 ac. Volume: 75CY CUT/115CY FILL
    b. Physical & Chemical composition of material to be deposited:
    Common fill, plastic galleries, concrete, stone, and topsoil.

STEVEN DANZER, PHD & ASSOCIATES LLC
Wetlands & Environmental Consulting
WWW.CTWETLANDSCONSULTING.COM
203 451-8319
WETLAND BOUNDARIES • POND & LAKE MANAGEMENT • CONSTRUCTION FEASIBILITY CONSULTATIONS • ENVIRONMENTAL STUDIES

Soil Report

Date: July 1, 2025
By: Steven Danzer Ph.D.

- Soil Scientist, Senior Professional Wetland Scientist, Arborist
    - Nationally certified by the Soil Science Society of America (#353463).
    - Registered with the Society of Soil Scientists of Southern New England.
    - Certified PWS #1321 by the Society of Wetland Scientists
    - Certified Arborist by the International Society of Arboriculture (ISA) NE-7409A
    - CT Licensed Arborist DEEP S-5639
- Ph.D. in Renewable Natural Resource Studies.

Project: 5044 Madison Avenue, Trumbull, CT

INTRODUCTION

A wetlands investigation was performed on the above-referenced property to locate and identify any inland wetland soils or watercourses.

The purpose of this report is to document that the field work for the site investigation was conducted using professionally accepted methods and procedures. This report is intended for submission by the owner(s) of the property or their designated agent to the local municipal regulatory agency.

DEFINITIONS

The Connecticut General Statutes Ch. 440 Sections 22a-36 and 22a-45 (as amended) define **inland wetlands** as land, including submerged land (except for tidal wetlands) which consist of any of the soil types designated by the National Cooperative Soil Survey as *poorly drained, very poorly drained, floodplain, or alluvial.*

Poorly drained and **very poorly drained** are soil drainage classes that are defined by specific technical criteria in the Soil Survey Manual, Ch. 3 of the USDA Natural Resources Conservation Service. Generally speaking, *poorly drained soils* are wet at shallow depths periodically during the growing season, or remain wet for long periods, while in *very poorly drained soils* water is removed from the soil so slowly that free water remains at or very near the ground surface during much of the growing season.

Floodplain refers to the land bordering a stream or river that is subject to flood stage inundation, and **alluvial** refers to soil deposited by concentrated running water (Soil Survey Manual, Part 629).

Watercourses are defined by the Connecticut General Statutes Ch. 440 Sections 22a-36 and 22a-45 (as amended) to include rivers, streams, brooks, waterways, lakes, ponds, marshes, swamps, bogs and all other bodies of water, natural or artificial, vernal or intermittent, public or private. **Intermittent watercourses** are a type of watercourse that typically do not flow year-round, and are specifically defined within the CT statutes by the presence of a defined permanent channel and bank, and the occurrence of two or more of the following characteristics:

a) Evidence of scour, or deposits of recent alluvium or detritus;
b) The presence of standing or flowing water for a duration longer than a particular storm incident;
c) The presence of hydrophytic vegetation.

Uplands are land areas that are not inland wetlands, watercourses, or subject to tides.
The **soil series** is a soil label that refers to the lowest category of the National Soil Classification System. It is used as a specification for identifying and classifying soils within a soil map unit. The descriptions are standardized by the USDA-NRCS, and contain soil properties that define and distinguish them from the other soil series.

METHODS

Wetland or watercourse boundaries present within the survey area were investigated pursuant to the definitions provided by the Connecticut General Statutes (CGS Ch. 440 Sections 22a-36 and 22a-45) as amended. All soils were sampled to a depth of at least 20 inches with spade and augur unless noted otherwise during a field investigation conducted on June 30, 2025. Soils were classified according to the nomenclature presented within the NRCS Web Soil Survey, with additional reference to the National Cooperative Soil Survey, and the local Soil Survey. The wetland boundaries were marked with flagging tape and/or stakes (Wetland Flags 1-33) and a sketch map prepared (attached).

SITE DESCRIPTION AND DISCUSSION

The roughly 4.8acre site is located on the east side Madison Avenue in Trumbull, CT. The site is forested and undeveloped. The site is located within DEEP Basin 7108-04 within the Mill River Subregional Basin as per the DEEP map. Wetland resources on site included forested sloped and lowland wetlands, with a drainage channel extending underneath the access driveway.

WETLAND AND WATERCOURSE SOIL MAPPING UNITS

(18) Catden and Freetown soils

The Catden series consists of very deep, very poorly drained soils formed in highly decomposed woody and herbaceous organic materials in depressions on till plains, lake plains, outwash plains, and flood plains. Saturated hydraulic conductivity is moderately high or high. Slope ranges from 0 to 2 percent. The mean annual temperature is about 13 degrees C and the mean annual precipitation is about 1258 mm. TAXONOMIC CLASS: Euic, mesic Typic Haplosaprists

The Freetown series consists of very deep, very poorly drained organic soils formed in more than 130 centimeters of highly decomposed organic material. They are commonly in depressions or on level uplands and alluvial plains. Slope ranges from 0 to 2 percent. Saturated hydraulic conductivity is moderately high or high. The mean annual temperature is about 9 degrees Celsius and mean annual precipitation is about 1205 millimeters. TAXONOMIC CLASS: Dysic, mesic Typic Haplosaprists

UPLAND (NON WETLAND) SOIL MAPPING UNITS

(73C) Charlton-Chatfield complex, 3 to 15 percent slopes, very rocky

The Charlton series consists of very deep, well drained loamy soils formed in till derived from parent materials that are very low in iron sulfides. They are nearly level to very steep soils on till plains and hills. Slope ranges from 0 to 50 percent. Saturated hydraulic conductivity is moderately high or high. Mean annual temperature is about 10 degrees C and mean annual precipitation is about 1194 mm. TAXONOMIC CLASS: Coarse-loamy, mixed, active, mesic Typic Dystrudepts

The Chatfield series consists of well drained and somewhat excessively drained soils formed in till derived from parent materials that are very low in iron sulfides. They are moderately deep to bedrock. They are nearly level through very steep soils on glaciated plains, hills, and ridges. Slope ranges from 0 through 70 percent. Crystalline bedrock is at depths of 20 to 40 inches (50 through 100 centimeters). Saturated hydraulic conductivity is moderately high or high in the mineral soil. Mean annual temperature is 51 degrees F (11 degrees C) and mean annual precipitation is 38 inches (1194 millimeters). TAXONOMIC CLASS: Coarse-loamy, mixed, superactive, mesic Typic Dystrudepts

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All observations and conclusions within this report are opinion and were based upon the field conditions at time of investigation and best professional judgment. Field conditions may change over time. All wetland boundary lines established by the undersigned Soil Scientist are subject to change until officially adopted by the appropriate local, state and federal regulatory agencies.

CERTIFICATION

Signed,





Steven Danzer Ph.D., Certified Professional Soil Scientist (CPSS #353463)

5044 Madison Avenue, Trumbull



April 7th, 2026

Aquarion Water Company of CT
Attn: Mr. Joseph T. Welsh, Manager - Environmental Protection
714 Black Rock Road
Easton, CT 06612

AND

Department of Public Health
410 Capitol Avenue
Hartford, CT 06106

RE: Site Improvements 5044 Madison Avenue, Trumbull
CGS §8-3i Notice of Application to Town of Trumbull Inland Wetland and Watercourses Commission.

Please accept the following "notice" as required pursuant to CGS §8-3i regarding our submission of a land use development application.

The proposed Site Development Plan involves the following activities:

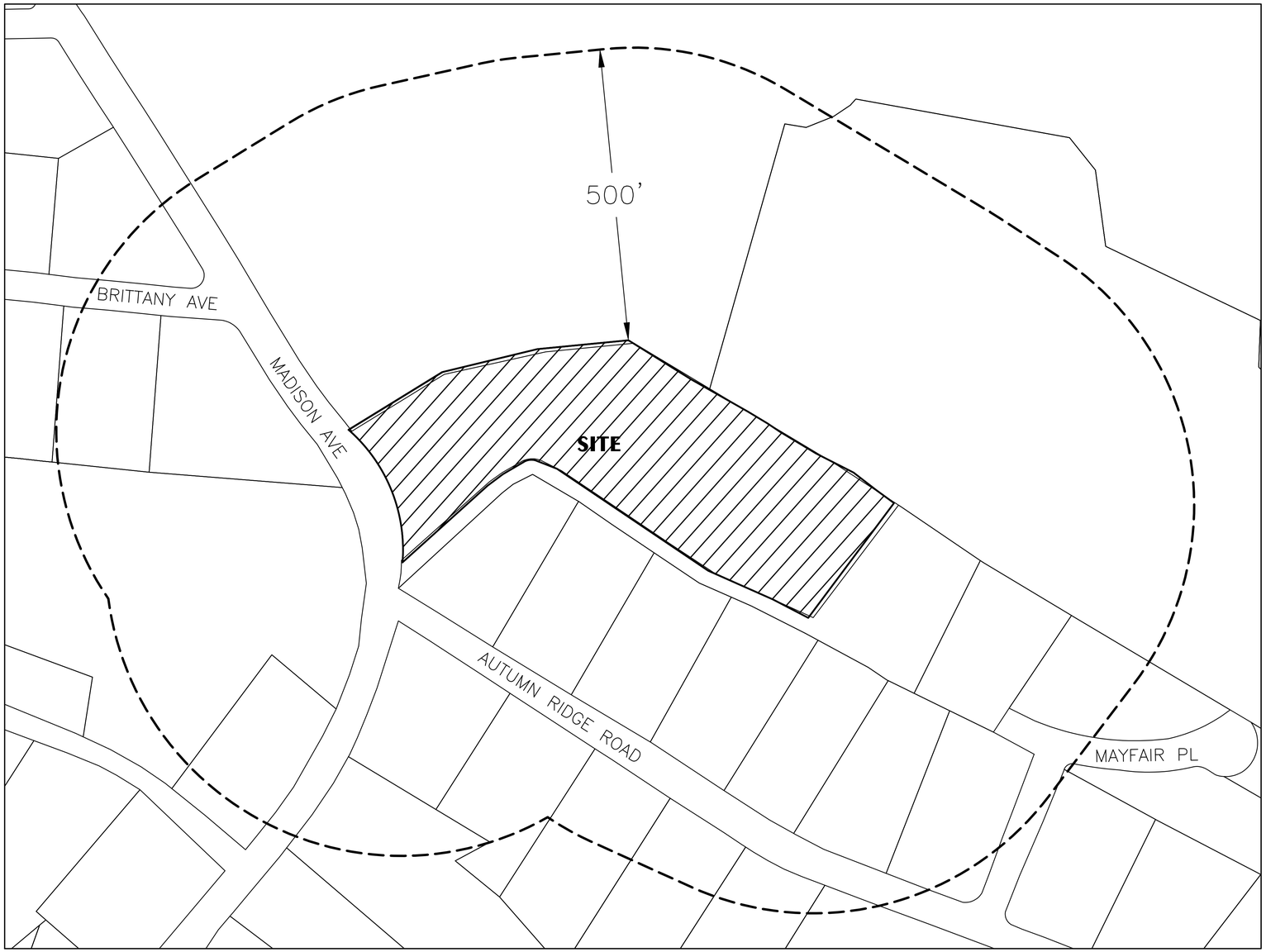
Construction of single-family residence and its appurtenances.

Respectfully,

Nicholas D. Clark, P.E
J. Edwards & Associates
227 Stepney Road, Easton, CT 06612

cc: Trumbull Inland Wetland and Watercourses Commission.

5044 MADISON AVENUE
SITE IMPROVEMENTS
IN
TRUMBULL, CONNECTICUT



500' RADIUS MAP

APPLICATION 26-12
RECD 5/27/2026

LIST OF DRAWINGS

1.0	TITLE SHEET
2.0	EXISTING CONDITIONS MAP
2.1	SITE PLAN
2.2	DEMOLITION PLAN
3.1	EROSION CONTROL PLAN
4.1–4.3	CONSTRUCTION DETAILS
LP.1	WETLAND LANDSCAPE PLAN
1/1	SUBDIVISION PLAN

PERMIT SET–NOT BE USED FOR CONSTRUCTION

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STATE OF CONNECTICUT — JAMES A. EDWARDS — No. 10937 — LICENSED PROFESSIONAL ENGINEER

STATE OF CONNECTICUT — JASON EDWARDS — LICENSED LAND SURVEYOR

5044 MADISON AVENUE
TRUMBULL, CONNECTICUT
PREPARED FOR
BERNADINE CAPOZZIELLO

REVISIONS

#	DATE	DESCRIPTION
1	09-24-25	CLIENT
2	10-07-25	CLIENT
3	11-13-25	CLIENT
4	11-18-25	CLIENT
5	04-07-26	IWWC
6	05-26-26	IWWC

DATE: 08-20-25
PROJECT #: 3136
DRAWING FILE:
DRAWN BY: NDC
SCALE:

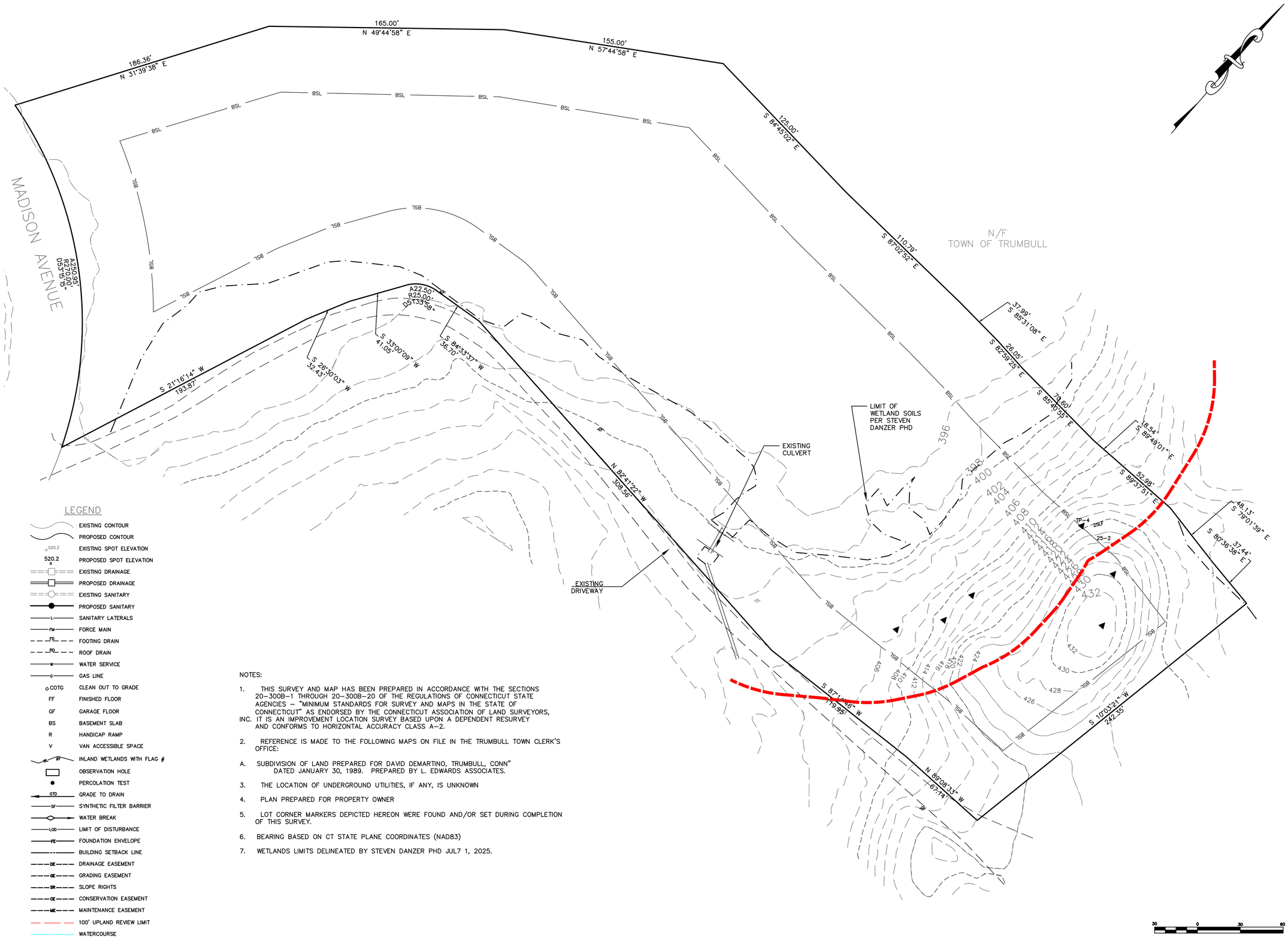
TITLE

TITLE SHEET

SHEET NUMBER

1.0

K:\PROJECTS\3136 CAPOZIELLO – 5044 MADISON AVE\DRAWINGS\1.0–TITLE



LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- 520.2 EXISTING SPOT ELEVATION
- 520.2 PROPOSED SPOT ELEVATION
- EXISTING DRAINAGE
- PROPOSED DRAINAGE
- EXISTING SANITARY
- PROPOSED SANITARY
- L SANITARY LATERALS
- FM FORCE MAIN
- FD FOOTING DRAIN
- RD ROOF DRAIN
- W WATER SERVICE
- G GAS LINE
- COTG CLEAN OUT TO GRADE
- FF FINISHED FLOOR
- GF GARAGE FLOOR
- BS BASEMENT SLAB
- R HANDICAP RAMP
- V VAN ACCESSIBLE SPACE
- W1 87 INLAND WETLANDS WITH FLAG #
- OBSERVATION HOLE
- PERCOLATION TEST
- GTD GRADE TO DRAIN
- SF SYNTHETIC FILTER BARRIER
- WATER BREAK
- LOD LIMIT OF DISTURBANCE
- FE FOUNDATION ENVELOPE
- BUILDING SETBACK LINE
- DE DRAINAGE EASEMENT
- GE GRADING EASEMENT
- SR SLOPE RIGHTS
- CE CONSERVATION EASEMENT
- ME MAINTENANCE EASEMENT
- 100' UPLAND REVIEW LIMIT
- WATERCOURSE

NOTES:

1. THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE SECTIONS 20–300B–1 THROUGH 20–300B–20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES – "MINIMUM STANDARDS FOR SURVEY AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. IT IS AN IMPROVEMENT LOCATION SURVEY BASED UPON A DEPENDENT RESURVEY AND CONFORMS TO HORIZONTAL ACCURACY CLASS A–2.
2. REFERENCE IS MADE TO THE FOLLOWING MAPS ON FILE IN THE TRUMBULL TOWN CLERK'S OFFICE:

A. SUBDIVISION OF LAND PREPARED FOR DAVID DEMARTINO, TRUMBULL, CONN" DATED JANUARY 30, 1989. PREPARED BY L. EDWARDS ASSOCIATES.

3. THE LOCATION OF UNDERGROUND UTILITIES, IF ANY, IS UNKNOWN
4. PLAN PREPARED FOR PROPERTY OWNER
5. LOT CORNER MARKERS DEPICTED HEREON WERE FOUND AND/OR SET DURING COMPLETION OF THIS SURVEY.
6. BEARING BASED ON CT STATE PLANE COORDINATES (NAD83)
7. WETLANDS LIMITS DELINEATED BY STEVEN DANZER PHD JUL7 1, 2025.

30 0 30 60

PERMIT SET–NOT BE USED FOR CONSTRUCTION

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6	05-26-26	IWWC

DATE: 08-20-25
PROJECT #: 3136
DRAWING FILE:
DRAWN BY: NDC
SCALE: SCALE: 1"=30'

TITLE

EXISTING CONDITIONS PLAN

SHEET NUMBER

2.0

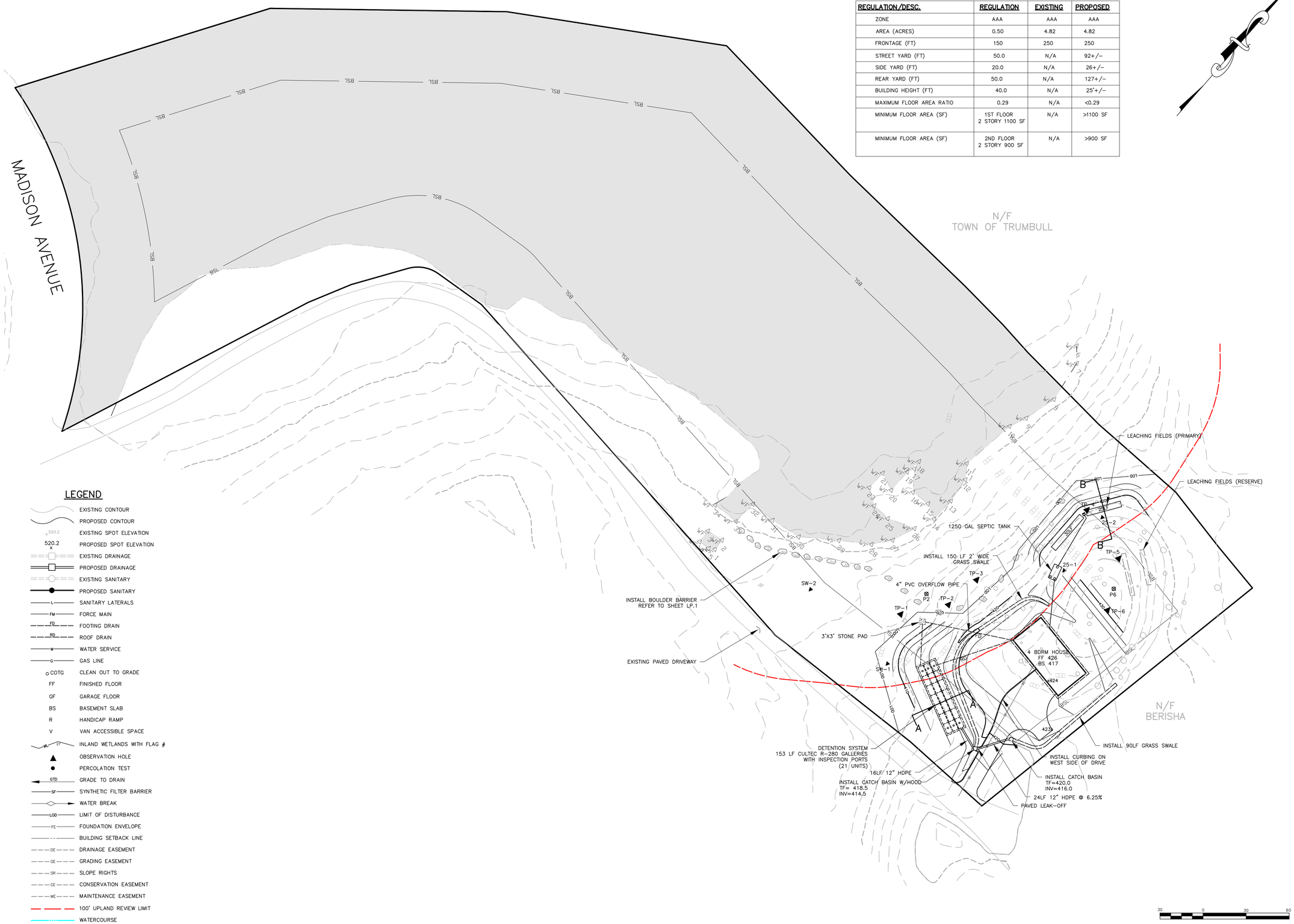
K:\PROJECTS\3136 CAPOZIELLO – 5044 MADISON AVE\DRAWINGS\2.0–EXC

ZONING DATA TABLE

REGULATION/DESC.	REGULATION	EXISTING	PROPOSED
ZONE	AAA	AAA	AAA
AREA (ACRES)	0.50	4.82	4.82
FRONTAGE (FT)	150	250	250
STREET YARD (FT)	50.0	N/A	92+/-
SIDE YARD (FT)	20.0	N/A	26+/-
REAR YARD (FT)	50.0	N/A	127+/-
BUILDING HEIGHT (FT)	40.0	N/A	25'+/-
MAXIMUM FLOOR AREA RATIO	0.29	N/A	<0.29
MINIMUM FLOOR AREA (SF)	1ST FLOOR 2 STORY 1100 SF	N/A	>1100 SF
MINIMUM FLOOR AREA (SF)	2ND FLOOR 2 STORY 900 SF	N/A	>900 SF

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING SPOT ELEVATION
- 520.2 PROPOSED SPOT ELEVATION
- EXISTING DRAINAGE
- PROPOSED DRAINAGE
- EXISTING SANITARY
- PROPOSED SANITARY
- SANITARY LATERALS
- FM FORCE MAIN
- FD FOOTING DRAIN
- RD ROOF DRAIN
- W WATER SERVICE
- G GAS LINE
- COTG CLEAN OUT TO GRADE
- FF FINISHED FLOOR
- GF GARAGE FLOOR
- BS BASEMENT SLAB
- R HANDICAP RAMP
- V VAN ACCESSIBLE SPACE
- WF 27 INLAND WETLANDS WITH FLAG #
- OBSERVATION HOLE
- PERCOLATION TEST
- GTD GRADE TO DRAIN
- SF SYNTHETIC FILTER BARRIER
- WATER BREAK
- LOD LIMIT OF DISTURBANCE
- FE FOUNDATION ENVELOPE
- BUILDING SETBACK LINE
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- GE GRADING EASEMENT
- SR SLOPE RIGHTS
- CE CONSERVATION EASEMENT
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- WATERCOURSE



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6	05-26-26	IWWC

DATE: 08-20-25
PROJECT #: 3136
DRAWING FILE:
DRAWN BY: NDC
SCALE: SCALE: 1"=30'

TITLE

SITE PLAN

SHEET NUMBER

2.1

K:\PROJECTS\3136 CAPOZIELLO - 5044 MADISON AVE\DRAWINGS\2.1-SITE PLAN

UPLAND REVIEW AREA LIMITS

LIMIT OF DISTURBANCE

TREES TO BE REMOVED

10 0 10 20

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DATE: 08-20-25
PROJECT #: 3136
DRAWING FILE:
DRAWN BY: NDC
SCALE: SCALE: 1"=10'

TITLE

DEMOLITION PLAN

SHEET NUMBER

2.2

K:\PROJECTS\3136 CAPOZIELLO – 5044 MADISON AVE\DRAWINGS\2.2-DEMOLITION PLAN



LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- 520.2 EXISTING SPOT ELEVATION
- 520.2 PROPOSED SPOT ELEVATION
- EXISTING DRAINAGE
- PROPOSED DRAINAGE
- EXISTING SANITARY
- PROPOSED SANITARY
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STATE OF CONNECTICUT — JASON EDWARDS — LICENSED LAND SURVEYOR

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DATE: 08-20-25
PROJECT #: 3136
DRAWING FILE:
DRAWN BY: NDC
SCALE: SCALE: 1"=30'

TITLE

EROSION & SEDIMENT CONTROL PLAN

SHEET NUMBER

3.1

K:\PROJECTS\3136 CAPOZIELLO – 5044 MADISON AVE\DRAWINGS\3.1–EROSION CONTROL PLAN

GENERAL NOTES

1. Land disturbance will be kept to a minimum. Re–stabilization will be scheduled as soon as practicable.
2. All erosion and sediment control measures will be constructed in accordance with the standards and specifications of the 2024 Connecticut Guidelines for Soil Erosion and Sediment Control.
3. Erosion and sediment control measures will be installed prior to construction whenever possible and will be maintained in effective condition throughout the construction period. Additional measures will be installed during the construction period if necessary or required.
4. The owner is assigned the responsibility for implementing this erosion control and sediment control plan. This responsibility includes the installation and maintenance of control measures, informing all parties engaged on the construction site the requirements and objectives of the plan, notifying the Land Use Agency of any transfer of this responsibility and for conveying a copy of the erosion & sediment control plan if the title to the land is transferred.
5. Grading is to be according to all applicable regulations and normal standards of good practice.
6. Property is located in Zone Residence AAA.
7. Existing grades shown hereon are to be verified by the contractor prior to commencing construction.
8. It is the contractor's responsibility to verify all on–site and off–site field conditions and establish that no changes have occurred since the issuance of this plan. The design engineer is to be notified of any field conditions which conflict with this plan.
9. The house is to be served by public water and private sewage disposal system.
10. All construction methods, materials, and system installations are to conform to all applicable local and state regulations.
11. The location of underground utilities, if any, is unknown. Call Before You Dig 1–800–922–4455.
12. A driveway permit must be obtained from the Road Inspector, Engineering Department Town of Trumbull for the proposed driveway.
13. All roof drains are to be discharged to the groundwater recharge system.
14. An As–Built survey is required for the groundwater recharge system.
15. A certification letter and as–built plan will be required upon project completion.

STORMWATER POLLUTION CONTROL PLAN

1. Land disturbance is to be kept to a minimum. There shall be no clear cutting of the site.
2. All erosion and sediment control measures will be constructed in accordance with the standards and specifications of the "2024 Connecticut Guidelines for Soil Erosion and Sediment Control" and the Connecticut Stormwater Quality Manual 2004.
3. The Stormwater Pollution Control Plan shall include all erosion and sedimentation control shown on the approved maps and detail sheets. These controls are assumed to be the minimum required, and the contractor may be required to install additional measures as site conditions and weather warrant.
4. All erosion and sediment control devices will be installed prior to the start of clearing and grubbing operations and excavation work. All the devices will be maintained as specified in this document until the disturbed earth has been paved or vegetated, at which time the devices will be removed.
5. All construction methods, materials and system installations are to conform to all applicable local and state regulations.
6. Grading to be according to all applicable regulations and normal standards of good practice.
7. Stockpiles of topsoil and common fill shall be surrounded with silt fence and temporarily stabilized by seeding with a 50–50 mix of annual and perennial rye grass at the rate of one pound per 1,000 square feet of surface area shall be employed between March 15 and June 15 or August 1 and October 1. Mulch with straw or hay at the rate of 70 to 90 pounds per 1,000 square feet until stabilized.
8. All control measures will be maintained in effective condition throughout the construction period until the area is stabilized.
9. Maintenance of the erosion controls shall consist of inspection at the start of each work day with special attention afforded following storm events. Noted deficiencies shall be corrected immediately. Accumulated sediment shall be removed from the erosion control device and dispersed temporarily on the upland portion of the disturbed area. Additional seeding or mulching shall be employed as required.
10. Where riprap is specified on the plan, it shall be modified riprap conforming to the guidelines unless otherwise noted.
11. The contractor is to inspect the site daily during construction to insure the integrity of the erosion controls.
12. The contractor is to have available at all times extra silt fence, hay bale mulch, grass seed and riprap to implement additional erosion control measures not foreseen in this plan.
13. Prior to closing the site down for winter, if required, the contractor shall schedule a meeting with the project engineer to review site conditions and make recommendations to minimize erosion during the winter. The meeting is to be held no later than October 1,of any given year.
14. Accumulated sediment is to be disposed of in an area approved by the design engineer.
15. This plan and report may be modified by the engineer based upon field conditions.
16. Catch basins shall be protected with silt sacks, haybales, and/or silt fence during construction until all disturbed areas are stabilized.
17. Water breaks, silt fence, haybales and other measures are to be maintained until drainage is complete and site is stabilized with vegetative cover.
18. Plunge pools and/or riprap aprons are to be constructed at the outlets of all major drainage systems.
19. Disturbance for individual lot development will be the responsibility of the lot owner.
20. Stabilization practices may include silt fence, temporary seeding, permanent seeding, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation and other vegetative and non–structural measures as identified in the Guidelines. Where construction activities have permanently ceased or have temporarily been suspended for more than seven days or when final grades are reached in any portion of the site, stabilization practices shall be implemented within three days. Areas which remain disturbed but inactive for at least thirty days shall receive temporary seeding and/or mulching in accordance with the Guidelines. Areas that will remain disturbed beyond the planting season, shall receive long–term, non–vegetative stabilization sufficient to protect the site through the winter. Areas to be graded with slopes steeper than 3:1 (horizontal:vertical) and higher than fifteen feet shall be graded with appropriate slope benches in accordance with the Guidelines.
21. Structural practices include but are not limited to earth dikes (diversions), drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, outlet protection, reinforced soil retained systems, gabions, and temporary or permanent sediment basins and chambers. Unless specifically approved in writing, structural measures shall be installed in upland soils.
22. Disturbance for individual lot development will be limited to 1 acre at any one time. Overland drainage from uphill sources will be diverted around the disturbed portions of the lot until those disturbed areas have been stabilized. If more than 1 acre is to be disturbed at one time, sediment basins must be provided. These sediment basins shall have a storage capacity of 134 cubic yards per acre of tributary area. The detention basin required by the Stormwater Pollution Control Plan may be used during construction as temporary sediment basin. Outlet structures from sediment basins shall not encroach upon a wetland.
23. De–watering waste waters might be generated during the construction of the underground utilities and the excavation for basements. Contractors shall arrange for the pumping of water in excavations to occur in sumps created in the excavation and will discharge the pumped waters to temporary sediment basins.
24. All contractors and subcontractors working on site will ensure that no litter, debris, building material or similar material is discharged to the waters of the State.
25. Contractors will implement techniques to control the generation of dust.
26. Individual lots will have their anti–tracking pads installed at all points where construction traffic exits the lot to paved surfaces and silt fence installed as shown on the plans or as required downhill of areas of disturbed earth. Refer to the detail drawings for specifics on proposed measures.

Edward Capozziello phone 203–650–0716 is assigned the responsibility for implementing this Stormwater Pollution Control Plan during the construction. This responsibility includes the installation and maintenance of control measures, informing all parties engaged on the construction site of the requirements and objectives of the plan. If the land is transferred, the Planning and Zoning office shall be notified and a copy of the Stormwater Pollution Control Plan shall be conveyed to the new owners. It shall become the responsibility of the new owners to implement the Stormwater Pollution Control Plan for the individual lots as outlined in this Stormwater Pollution Control Plan. The registrant shall inform the Town Engineer and/or its agents of situations involving sedimentation, erosion, downstream siltation, or any adverse impacts which occur during the course of construction and must be remedied within 24 hours of discovery.

LOT DEVELOPMENT SEQUENCE

1. Install anti–tracking apron as shown where construction traffic enters a public right–of–way.
2. Install silt fencing and haybale barrirers and siltsoxx sediment barrier. Locations shown on plan may be revised as construction warrants.
3. Land disturbance is to be kept to a minimum. Clear and stump proposed construction areas.
4. No burying of stumps, slash and grubbing material is allowed on any site. Materials must be chipped or removed from the site.
5. Scrape and stockpile loam in construction areas shown on the site plan.
6. Surround loam stockpile with silt fence, seed piles for dust control or treat with calcium chloride.
7. Rough grade driveway.
8. Excavate for and Install footings, Follow with foundation and backfill with appropriate material.
9. Proceed with house construction.
10. Install sewage disposal system.
11. Install groundwater recharge system.
12. Install remaining underground utilities.
13. Loam, seed, and mulch disturbed earth above pipes and in areas that will not be paved.
14. Fine grade proposed driveway and pave.
15. Remove erosion controls when uphill areas are stabilized.

DEEP TEST HOLE RESULTS

06–30–25
KWF

TH 25–1 & 25–2 WITNESSED BY TRUMBULL HD.

Health Department requests an additional perc test in the primary. also, advises that a larger machine may provide a greater depth to ledge. schedule additional testing at time of foundation construction if desired.

TH 25–1
0–10" topsoil
10–36" yellow–brown fine sandy loam
36–44" tan–brown sand and stone
44–78" atypical ledge
no water
mottles @ 44"
roots to 58"
possible ledge @ 78"

TH 25–2
0–8" topsoil
8–36" yellow–brown fine sandy loam
36–68" light olive–brown fine sandy loam
no water
no mottles
roots to 53"
ledge @ 68"

TH sw–1
0–10" topsoil
10–30" dark grey mottled silty loam
30–50" dark brown coarse sand & gravel
50–72" gray–brown silt and sand
water @ 52"
mottles @ 10–30" & below 52"
roots to 10"
no ledge

ADDITIONAL DEEP TEST HOLE RESULTS

TP 1
0–12" topsoil w/ boulders
12402" tan br silty loam
40–72" gr br f sand/gravel
no water, mottling ledge@72"

TP 2
0–12" topsoil w/ boulders
12–42" tan br silty loam
42–60" gr br f sand/gravel
no water, mottling ledge@60"

TP 3
0–8" topsoil w/ boulders
8–28" tan br silty loam
28–42" gr br f sand/gravel
no water, mottling ledge@42"

TP 4
0–10" topsoil w/ boulders
10–32" tan br silty loam
32–90" gr br f sand/gravel
no water ledge or mottling

TP 5
0–8" topsoil w/ boulders
8–32" tan br silty loam
32–80" gr br f sand/gravel
no water or mottling ledge@80"

TP 6
0–8" topsoil w/ boulders
8–28" tan br silty loam
28–88" gr br f sand/gravel
no water ledge or mottling

SEPTIC SYSTEM NOTES

1. Deviation from these plans may require additional approvals from regulating authorities.
2. Care should be taken during site development to protect the proposed septic system area from unnecessary disturbance. If care is not taken and the area is not prepared as noted on this plan, premature failure of the system may result.
3. The test results and soil types shown apply only to the test hole shown and may or may not apply to other areas on the site. The soil types shown and existing grades are to be verified over the entire septic area prior to construction.
4. The purpose of the proposed septic system is to dispose of domestic sewage consisting of water and human excretions or other waterborne wastes incidental to the occupancy of the proposed use and not to be used for waste water from water softening equipment, water from floor drains or surface water from roofs, paved surfaces or yard drains.
5. The septic tank and galleries shall be capable of supporting the superimposed loads indicated on the plans. The superimposed loads shall consist of the earth load and the live load. The earth load shall be computed from the depth of soil cover shown on the plans. The minimum earth load shall be for soil cover of eighteen inches. The minimum live load for the tank and galleries shall be H–20.
6. There are no wells within seventy five feet of the proposed septic system.
7. The benchmark shown on this plan is to be verified in the field by the contractor prior to any construction. The design engineer shall be notified of any inconsistencies.
8. The test results and soil types shown apply only to the test hole shown and may or may not apply to other areas on the site. The soil types shown and existing grades are to be verified over the entire septic area prior to construction.
9. No loose or open jointed, perforated, slotted or pervious pipe drain is to be located within 50' down gradient of any system area.
10. There are no footing drains proposed within 25 feet of the septic system.
11. The Trumbull Health Department may require a sieve sample of all select fill. This fill shall contain no material larger than 3". Gradation requirements are as follows, unless otherwise approved by a professional engineer: 100% passing #4, 70–100% passing a #10, 10–75% passing #40, 0–5% passing #100, 0–2.5% passing #200. These percentages refer to 55% of the dry weight of the representative sample retained by the #4 sieve, fill shall yield a percolation rate of 1" in 10 min. or less in place.
12. The proposed septic system shall be staked out, offset and elevated for construction by a qualified surveyor.
13. An as–built plan shall be prepared by a qualified surveyor and submitted to the applicable agencies for approval.
14. All proposed sanitary structures and installation shall conform to the current Connecticut Public Health Code.
15. The installation of a high capacity discharge tub (100 gallons or more) or a garbage grinder would require the enlargement of the proposed septic tank shown hereon in accordance with Section V of the Connecticut Technical Standards for Subsurface Sewage Disposal Systems.
16. Oil tank is to be located inside the structure.

SEPTIC SYSTEM DESIGN BASIS

Residential Dwelling:
Number of Bedrooms: 4
Percolation Rate:1" in 10" Minutes
Effective Leaching Area (ELA) required: 495+82.5= 577.5

Restrictive layer @ 44"
Slope: >15%

HF= 14; FF= 1.75; PF= 1.0
Therefore, MLSS= HFxFFxPF= 14x1.75x1.0= 24.54 lf

Using 536–8 Mantis galleries @ 11 sf/lf:

577.5 sf/11 sf/lf= 52.5 lin.ft. req'd.

Install 55 lf of trench providing 605 sf ELA

PROPOSED SEPTIC TANK

1250 Gallon Minimum Capacity with outlet effluent filter
The Minimum Capacity shall be increased if the building contains a garbage grinder or large capacity bathtub

APPROXIMATE PROPOSED ELEVATIONS:

Effluent line at building : 422.5
Septic tank inlet: 420.5; outlet elevation 2"–4" lower
DB1 inv out= 419.4

POST CONSTRUCTION STORMWATER SYSTEM MAINTENANCE PLAN

Catch Basin

The catch basin shall be cleaned twice per year. The cleaning shall be in the late fall after leaves have fallen and before snowfall. The second cleaning shall be in springtime after snow melt to remove accumulated debris and sand from the catch basin sump. In no case, shall the sediment level exceed 50% of the sump volume of the catch basin.

Groundwater Recharge System

See manufacturers maintenance schedule this page.

Stone Pad

The pad shall be cleaned twice per year. The cleaning shall be in the late fall after leaves have fallen and before snowfall. The second cleaning shall be in springtime after snow melt to remove accumulated debris.

GENERAL DRIVEWAY NOTES:

1. Driveway Permits are required for new driveways, repaving, and alterations to existing driveways.
2. Maximum road curb cut is 20'.
3. Driveways to have 2" lip at roadway gutter line.
4. Driveway flare at curb line not to extend beyond property side lines.
5. Driveways exceeding 7% in grade must be paved.
6. Driveways not to exceed 15% grade.

CULTEC STORMWATER CHAMBERS

	Frequency	Action
Inlets and Outlets	Every 3 years	• Obtain documentation that the inlets, outlets and vents have been cleaned and will function as intended.
	Spring and Fall	• Check inlet and outlets for clogging and remove any debris as required.
CULTEC Stormwater Chambers	2 years after commissioning	• Inspect the interior of the stormwater management chambers through inspection port for deficiencies using CCTV or comparable technique. • Obtain documentation that the stormwater management chambers and feed connectors will function as anticipated.
	9 years after commissioning every 9 years following	• Clean stormwater management chambers and feed connectors of any debris. • Inspect the interior of the stormwater management structures for deficiencies using CCTV or comparable technique. • Obtain documentation that the stormwater management chambers and feed connectors have been cleaned and will function as intended.
	45 years after commissioning	• Clean stormwater management chambers and feed connectors of any debris. • Determine the remaining life expectancy of the stormwater management chambers and recommended schedule and actions to rehabilitate the stormwater management chambers as required. • Inspect the interior of the stormwater management chambers for deficiencies using CCTV or comparable technique. • Replace or restore the stormwater management chambers in accordance with the schedule determined at the 45-year inspection. • Attain the appropriate approvals as required. • Establish a new operation and maintenance schedule.
Surrounding Site	Monthly in 1st year	• Check for depressions in areas over and surrounding the stormwater management system.
	Spring and Fall	• Check for depressions in areas over and surrounding the stormwater management system.
	Yearly	• Confirm that no unauthorized modifications have been performed to the site.

For additional information concerning the maintenance of CULTEC Subsurface Stormwater Management Chambers, please contact CULTEC at 1–800–428–5832.

CULTEC CHAMBER MAINTENANCE GUIDE

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STATE OF CONNECTICUT — TIMOTHY S. EDWARDS — LICENSED LAND SURVEYOR

PERMIT SET–NOT BE USED FOR CONSTRUCTION

5044 MADISON AVENUE
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PREPARED FOR
BERNADINE CAPOZZIELLO

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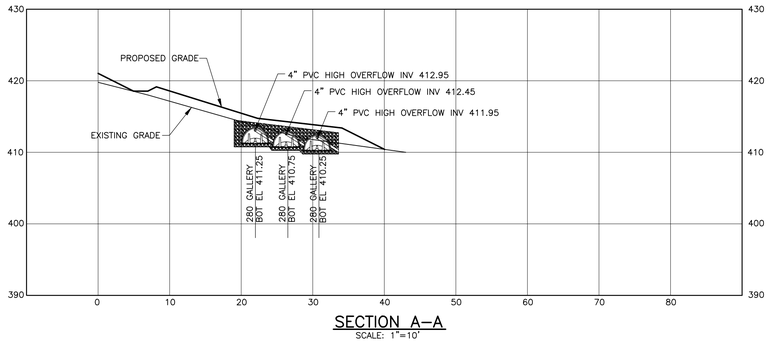
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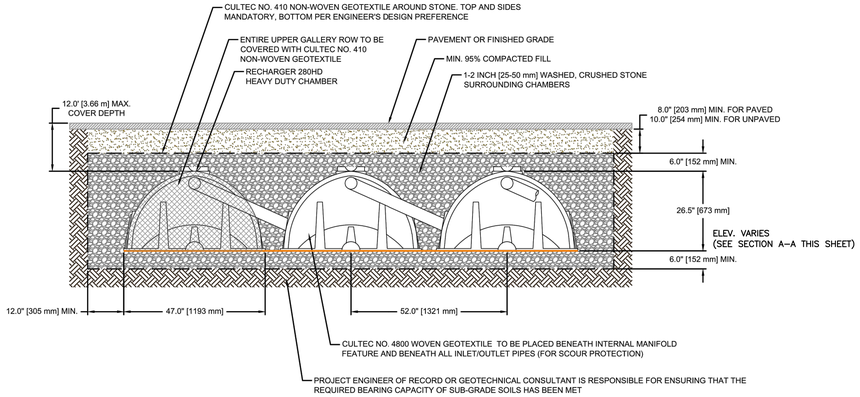
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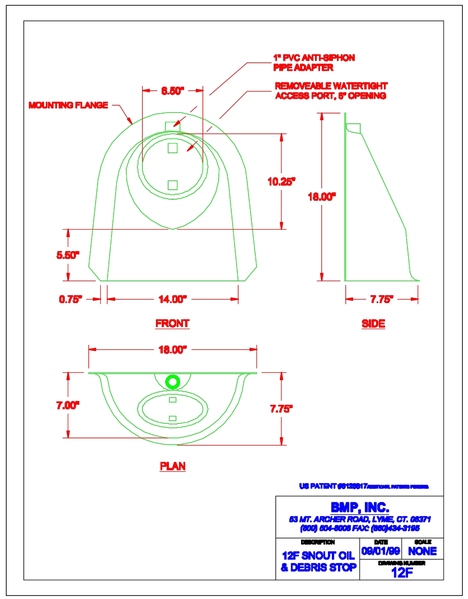


SECTION A–A
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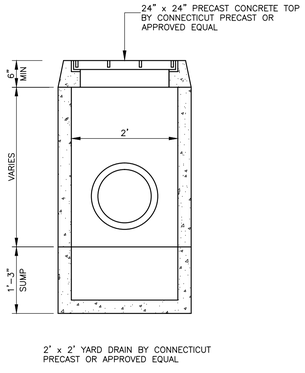
GROUNDWATER RECHARGE SYSTEM



CULTEC RECHARGER 280HD HEAVY CHAMBER

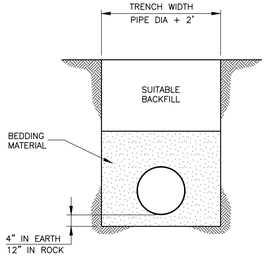


CATCH BASIN HOOD



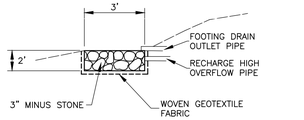
2' x 2' YARD DRAIN BY CONNECTICUT PRECAST OR APPROVED EQUAL

CATCH BASIN

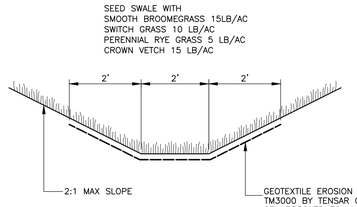


BEDDING MATERIAL TO BE SAND OR SANDY SOIL WHICH PASSES A 3/8" SIEVE WITH NOT MORE THAN 10% PASSING A #200 SIEVE. WHEN GROUND WATER IS ENCOUNTERED, THE ENGINEER MAY ALLOW 3/4" STONE CONFORMING TO CT DOT FORM 818 ARTICLE M.01.01 TO BE USED INSTEAD.

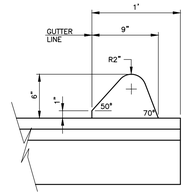
DRAINAGE PIPE TRENCH



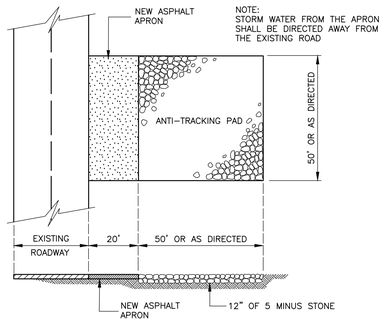
STONE BLEEDER PAD



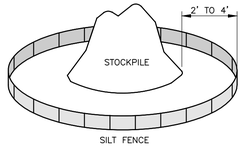
GRASS SWALE



BITUMINOUS LIP CURBING

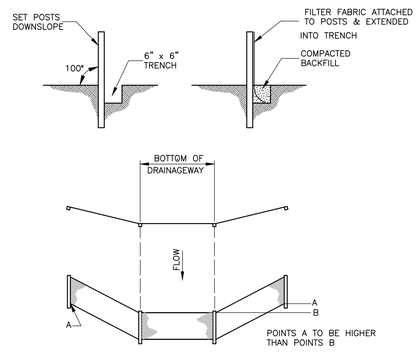


ANTI–TRACKING PAD

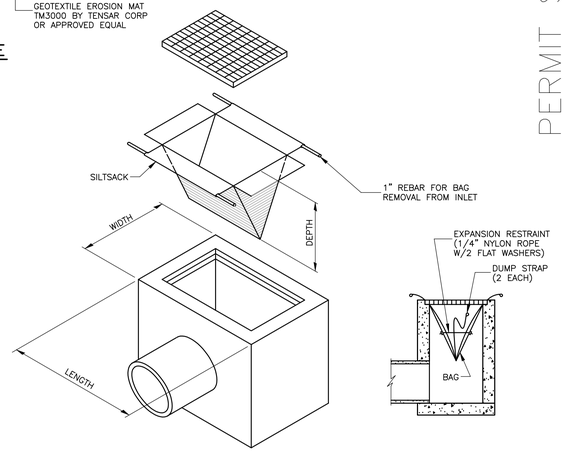


APPLY MIXTURE OF PERRENIAL RYEGRASS, ANNUAL RYEGRASS AND WINTER RYE AT A RATE OF 10 LBS PER 1000 SF

STOCKPILE STABILIZATION



SYNTHETIC FILTER BARRIER



SEDIMENT CONTROL AT INLET

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PERMIT SET–NOT BE USED FOR CONSTRUCTION

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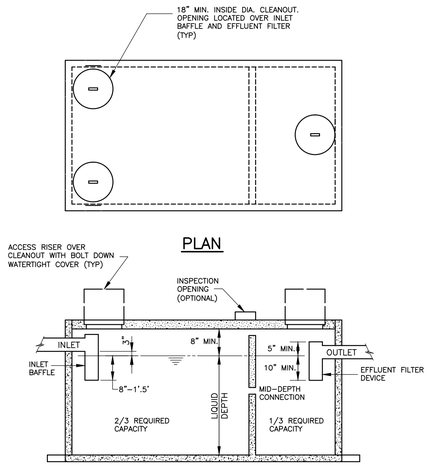
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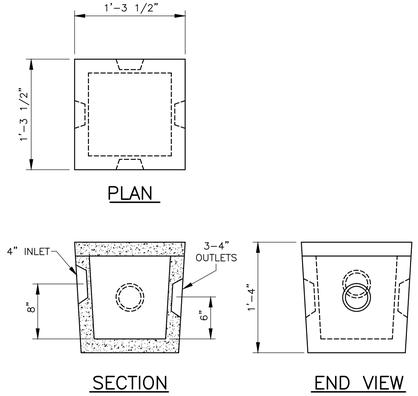
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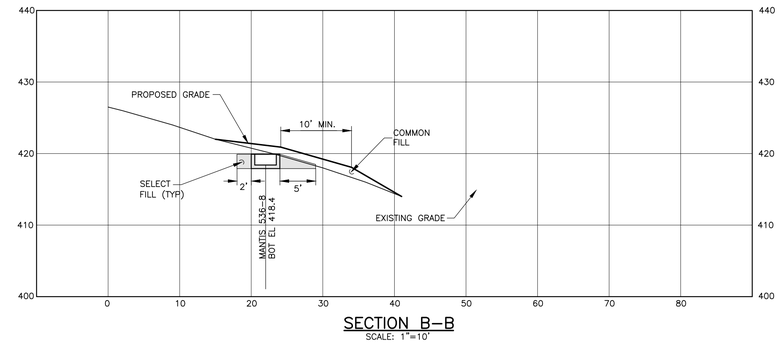
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SECTION
SEPTIC TANK
1250 GAL

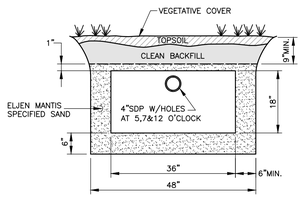


DISTRIBUTION BOX



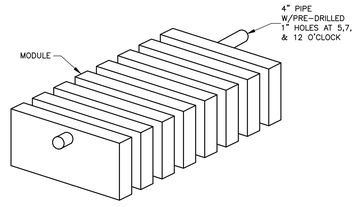
SECTION B–B
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LEACHING FIELDS

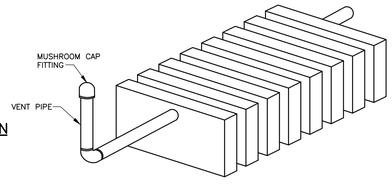


NOTES:
- 18" MINIMUM FROM THE BOTTOM OF THE UNIT TO THE SEASONAL HIGH WATER TABLE
- VENTING IS REQUIRED WHEN THERE IS MORE THAN 18" OF COVER AS MEASURED FROM THE TOP OF THE UNIT TO THE FINISHED GRADE

MANTIS 536–8 GRAVITY SAND FILL SECTION



MANTIS 536–8 DISTRIBUTION PIPE LAYOUT



MANTIS 536–8 GRAVITY VENT DETAIL
FOR SYSTEMS WITH GREATER THAN 18" OF COVER

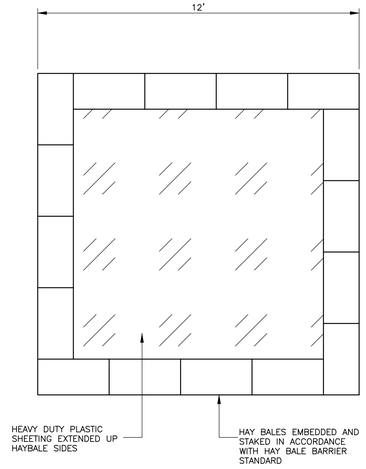
NOTES:

- THIS SYSTEM IS NOT DESIGNED FOR BACKWASH FROM A WATER SOFTENER.
- THE MANTIS SYSTEM IN NOT FOR USE UNDER VEHICULAR TRAFFIC OR FOR UNDER PAVING APPLICATIONS.
- ORGANIC TOPSOIL LAYER MUST BE REMOVED FROM TRENCH AND SLOPE EXTENSION AREAS PRIOR TO SELECT FILL OR SPECIFIED SAND PLACEMENT.
- SCARIFY SUBSOIL PRIOR TO SELECT FILL OR SPECIFIED SAND PLACEMENT.
- ALL MANTIS INSTALLATIONS UTILIZE A SPECIFIED SAND ENVELOPE AROUND THE MANTIS UNITS. 6" MINIMUM UNDERNEATH, 6" MINIMUM ON THE SIDES, 1" MINIMUM ON THE TOP, AND 3" BETWEEN THE SUPPORT MODULES OF THE MANTIS UNITS.
- PUMPED SYSTEMS SHALL HAVE AND OVERSIZED DISTRIBUTION BOX UTILIZING A VELOCITY REDUCTION TEE OR BAFFLE.
- ELJEN MANDATES VENTING FOR THE MANTIS SERIES WHEN THE SYSTEM WILL HAVE MORE THAN 18" OF COVER MATERIAL AS MEASURED FROM THE TOP OF THE UNIT TO FINISHED GRADE.
- AFTER BACKFILL, THERE SHOULD BE A MINIMUM OF 10" OF MATERIAL AS MEASURED FROM THE TOP OF THE MODULES TO THE FINISHED GRADE. THE FIRST INCH OF THAT FILL IS SPECIFIED SAND.
- FOR PUMPED SYSTEMS, SET PUMP FLOATS OR PUMP CONTROL PANELS TO DELIVER A MAXIMUM OF 12 GALLONS PER MANTIS 536–8 UNIT OR 6 GALLONS PER MANTIS 536–8 LOWPRO PER DOSING CYCLE.
- NON–RESIDENTIAL BUILDINGS AND RESIDENTIAL INSTITUTIONS SHALL BE DESIGNED USING DAILY DESIGN FLOW UNLESS SPECIFIC WATER USE DATA IS AVAILABLE FOR THE FACILITY. DESIGN FLOW BASED ON METERED FLOWS MUST USE A MINIMUM 1.5 SAFETY FACTOR APPLIED TO ALL METERED AVERAGE DAILY WATER USE. SEE CONNECTICUT PUBLIC HEALTH CODE, TABLES 4.7, AND 8.

ELJEN MANTIS
SPECIFIED SAND REQUIREMENTS

SIEVE SIZE	SIEVE SQUARE OPENING SIZE	SPECIFICATION PERCENT PASSING (WET SIEVE)
0.375"	9.5mm	100.0
#4	4.75mm	95.0–100.0
#8	2.36mm	80.0–100.0
#16	1.18mm	50.0–85.0
#30	600um	25.0–60.0
#50	300um	5.0–30.0
#100	150um	<10.0
#200	75um	<5.0

REQUEST A SIEVE ANALYSIS FROM YOUR MATERIAL SUPPLIER TO ENSURE THAT THE SYSTEM SAND MEETS THE SPECIFICATION REQUIREMENTS LISTED.



CONCRETE WASHOUT BASIN

PERMIT SET–NOT BE USED FOR CONSTRUCTION

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SCALE:

TITLE

DETAILS

SHEET NUMBER

4.3

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"CALL BEFORE YOU DIG"

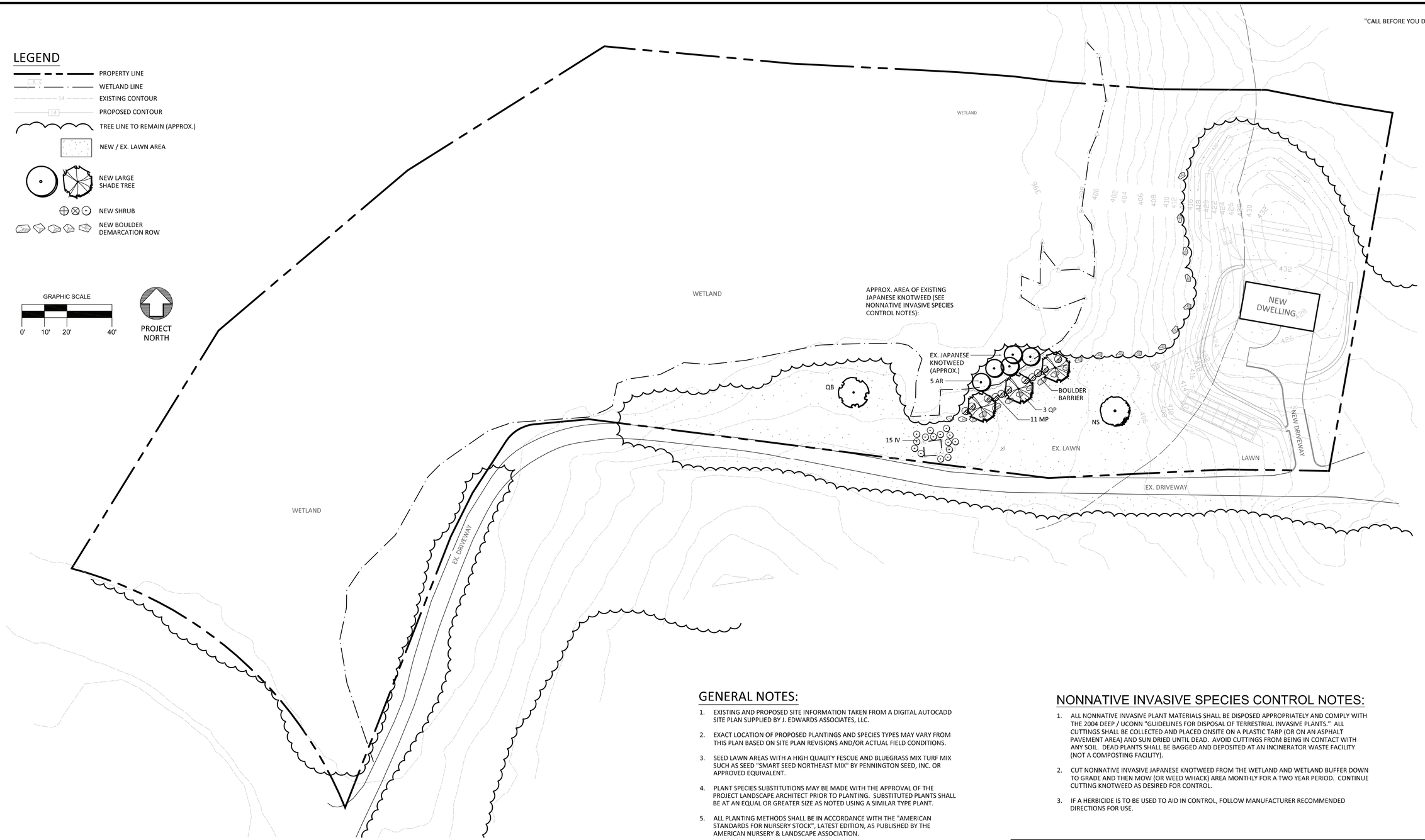
LEGEND

- PROPERTY LINE
- WETLAND LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- TREE LINE TO REMAIN (APPROX.)
- NEW / EX. LAWN AREA
- NEW LARGE SHADE TREE
- NEW SHRUB
- NEW BOULDER DEMARCATION ROW

GRAPHIC SCALE

0' 10' 20' 40'

PROJECT NORTH



PLANT LIST

QTY	KEY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT
5	AR	ACER RUBRUM	RED MAPLE	1-2 1/2" CAL.	B&B
1	NS	NYSSA SYLVATICA	BLACK GUM	8-9' HT.	B&B
1	QB	QUERCUS BICOLOR	SWAMP WHITE OAK	1 1/2-2 " CAL.	B&B
3	QP	QUERCUS PALUSTRIS	PIN OAK	1 1/2-2" CAL.	B&B
15	IV	ILEX VERTICILLATA	WINTERBERRY	2-3' HT.	CONT.
11	MP	MYRICA PENSYLVANICA	NORTHERN BAYBERRY	2-3' HT.	CONT.

GENERAL NOTES:

1. EXISTING AND PROPOSED SITE INFORMATION TAKEN FROM A DIGITAL AUTOCADD SITE PLAN SUPPLIED BY J. EDWARDS ASSOCIATES, LLC.
2. EXACT LOCATION OF PROPOSED PLANTINGS AND SPECIES TYPES MAY VARY FROM THIS PLAN BASED ON SITE PLAN REVISIONS AND/OR ACTUAL FIELD CONDITIONS.
3. SEED LAWN AREAS WITH A HIGH QUALITY FESCUE AND BLUEGRASS MIX TURF MIX SUCH AS SEED "SMART SEED NORTHEAST MIX" BY PENNINGTON SEED, INC. OR APPROVED EQUIVALENT.
4. PLANT SPECIES SUBSTITUTIONS MAY BE MADE WITH THE APPROVAL OF THE PROJECT LANDSCAPE ARCHITECT PRIOR TO PLANTING. SUBSTITUTED PLANTS SHALL BE AT AN EQUAL OR GREATER SIZE AS NOTED USING A SIMILAR TYPE PLANT.
5. ALL PLANTING METHODS SHALL BE IN ACCORDANCE WITH THE "AMERICAN STANDARDS FOR NURSERY STOCK", LATEST EDITION, AS PUBLISHED BY THE AMERICAN NURSERY & LANDSCAPE ASSOCIATION.
6. THIS PLAN FOR PLANTING PURPOSES ONLY. SEE PLANS BY OTHERS FOR ADDITIONAL INFORMATION.
7. SPRAY NEW PLANTINGS IMMEDIATELY AFTER INSTALLATION WITH A WHITE-TAILED DEER REPELLENT AND CONTINUE AS NEEDED TO MAINTAIN PLANTS FREE OF SIGNIFICANT DEER BROWSING. PROTECT TRUNKS OF NEWLY PLANTED TREES FROM DEER RUBBING AS NEEDED TO MAINTAIN HEALTHY TREES.
8. THE BOULDER DEMARCATION ROW SHALL BE COMPOSED OF TWO-MAN BOULDERS (2 CUBIC FEET) OR LARGER SPACED 10' ON CENTER. MAINTAINED LANDSCAPED AREAS (SUCH AS LAWN) WILL BE PERMITTED TO THE xxxxxxxx OF THE BOULDER DEMARCATION ROW. LAND TO THE xxxxxxxxxxx OF THE DEMARCATION FEATURE SHALL BE MAINTAINED IN A NATURAL UNMAINTAINED WOODED STATE. THE BOULDERS MAY BE PARTIALLY SUNKEN INTO THE GROUND WITH A MINIMUM OF 8" EXPOSED ABOUT THE FINAL GRADE.

NONNATIVE INVASIVE SPECIES CONTROL NOTES:

1. ALL NONNATIVE INVASIVE PLANT MATERIALS SHALL BE DISPOSED APPROPRIATELY AND COMPLY WITH THE 2004 DEEP / UCONN "GUIDELINES FOR DISPOSAL OF TERRESTRIAL INVASIVE PLANTS." ALL CUTTINGS SHALL BE COLLECTED AND PLACED ONSITE ON A PLASTIC TARP (OR ON AN ASPHALT PAVEMENT AREA) AND SUN DRIED UNTIL DEAD. AVOID CUTTINGS FROM BEING IN CONTACT WITH ANY SOIL. DEAD PLANTS SHALL BE BAGGED AND DEPOSITED AT AN INCINERATOR WASTE FACILITY (NOT A COMPOSTING FACILITY).
2. CUT NONNATIVE INVASIVE JAPANESE KNOTWEED FROM THE WETLAND AND WETLAND BUFFER DOWN TO GRADE AND THEN MOW (OR WEED WHACK) AREA MONTHLY FOR A TWO YEAR PERIOD. CONTINUE CUTTING KNOTWEED AS DESIRED FOR CONTROL.
3. IF A HERBICIDE IS TO BE USED TO AID IN CONTROL, FOLLOW MANUFACTURER RECOMMENDED DIRECTIONS FOR USE.

REVISIONS:		
1	5.23.26	REVISE BOULDER ROW

DRAWING TITLE: WETLAND LANDSCAPE PLAN

PROJECT: 5044 MADISON AVENUE TRUMBULL, CONNECTICUT

ENVIRONMENTAL LAND SOLUTIONS, LLC
Landscape Architecture and Environmental Planning
8 KNIGHT STREET, SUITE 203
NORWALK, CONNECTICUT 06851
Tel: (203) 855-7879 Fax: (203) 855-7836
info@elsllc.net www.elsllc.net

SEAL:

DATE: 11.11.25

SCALE: 1" = 20'

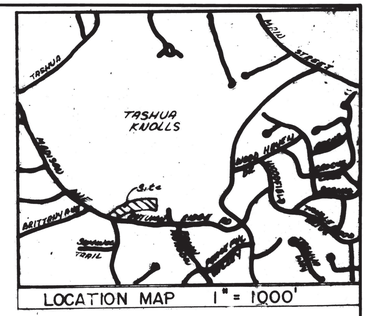
DRAWING NO.: LP.1

JOSEPH PERRELLI & CO

NOTES

1. TOTAL ACREAGE OF PROPERTY IS 6.547 ACRES.
2. PROPERTY IS LOCATED IN RESIDENCE ZONE AAA.
3. REFERENCE IS MADE TO MAP ENTITED: "BOUNDARY MAP, FOR 5044 MADISON AVE., TRUMBULL CONNECTICUT," DATED JUNE 16, 1987, CERTIFIED A-2 BY ANDREW SCHULL AND PREPARED FOR D.A.D. BUILDERS.
4. LOT #2 DOES NOT MEET MINIMUM FRONTAGE REQUIREMENT AND WILL REQUIRE A WAIVER OF ZONING REGULATIONS.
5. NO FUTHER SUBDIVISION OF THIS PROPERTY SHALL BE PERMITTED.

n/f: TASHUA KNOLLS COUNTRY CLUB



LOCATION MAP 1" = 1000'

n/f: THE TOWN OF TRUMBULL

N65°38'31"E, 165.00'
N79°38'31"E, 155.00'
S68°51'29"E, 135.00'
S71°09'10"E, 110.79'
S69°37'35"E 37.99'
S67°05'52"E 26.05'
S73°55'28"E 18.54'
S73°44'18"E 52.98'
S63°08'06"E 48.13'
S64°43'05"E 37.41'
S70°29'25"E, 100.86'
N47°33'11"E, 106.35'
20' Building Setback Lines (typ.)
50'
50'
10'
1
4.848 Ac.
209,864 Sq.Ft.
2
1.620 Ac.
70,580 Sq.Ft.
MADISON AVENUE
AUTUMN RIDGE ROAD
PARCEL A - TO BE DEDICATED TO TOWN OF TRUMBULL AREA = 0.109 Ac. 4,737 Sq. Ft.
Δ=38°14'54" R=270.00' L=250.98'
N37°09'41"E 193.87'
S37°09'41"W 225.00'
Δ=08°28'18" R=270.00' L=39.92'
IRON PIN TO BE SET
N79°38'50"W 33.91'
S40°53'42"W 39.65'
S42°23'36"W 20.87'
N37°09'41"E 193.87'
S37°09'41"W 225.00'
S.U.E.T. #2226
S.U.E.T. #2227
S.U.E.T. #2228
S.U.E.T. #2229
N65°04'27"W, 133.33'
S64°47'48"E
309.56'
N67°18'46"W, 184.65'
S76°51'41"E, 109.95'
S73°15'00"E 67.74'
N76°51'41"W, 121.39'
N73°15'00"W 43.98'
N72°05'46"W 18.77'
N72°41'10"W, 213.66'
S15°50'04"W, 218.70'
To be removed
Shed
Existing House
n/f: RICHARD & SUSAN DORSEY
n/f: FRANCIS SMITH
n/f: EDWARD TURCHAN
n/f: SOPHIA PAULOU
n/f: EMIL & MARIA JUSTO
n/f: ERNEST KISH
n/f: STEVEN D. CHMIELEWSKI

THE OWNER OF RECORD APPROVES THIS SUBDIVISION PLAN AND HEREBY DEDICATES ALL HIGHWAYS AND EASEMENTS SHOWN HEREON FOR PUBLIC PURPOSES, TO THE TOWN OF TRUMBULL.

By: _____ on: _____ Date

THIS MAP IS HEREBY APPROVED BY THE TOWN OF TRUMBULL PLANNING AND ZONING COMMISSION.

By _____ Chairman on: _____ Date

I hereby certify that this map and survey were prepared in accordance with the standards of a Class A-2 survey as defined in the Code of Practice for Standards of Accuracy of Surveys and Maps, adopted December 10, 1975 as amended by the Connecticut Association of Land Surveyors, Inc.

LARRY EDWARDS LS No. 10937

·Legend·
- ——— = BUILDING SETBACK LINE
- = EXISTING 12" OR LARGER TREE
- ·-·-· = WETLANDS LIMIT
- ——— = EXISTING STONEWALL
- ● = EXISTING I. PIN
- • = IRON PIN TO BE SET

SUBDIVISION PLAN

PREPARED FOR

DAVID DEMARTINO

TRUMBULL, CONN.

0 40 80 120

L. EDWARDS ASSOCIATES
Engineering and Surveying
227 Stepney Road
EASTON, CT 06612

REV. 5-18-89
REV. 5-10-89

SCALE 1"=40' JAN. 30, 1989

C-460

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL

APPLICATION FOR PERMIT

Application No.

RECD 4/17/26

26-15

SECTION I

1. **Location/address of property where activity is proposed:** 101 Governor Trumbull Way, Trumbull, CT 06611

   Parcel Size 25 ac +/- **Zone:** B-C **Map ID:** D/04/00142/101 **Current Use:** condominiums

2. **Applicant's Name:** Mark Amler, Pristine Waters LLC

   Applicant's Address: P.O. Box 1156, Ridgefield, CT 06877

   Telephone: 914-217-4168 **Cell:** ( ) **Email:** mark@pristinewaterfronts.com

   Applicant's interest in property (Lessee, Licensee, Owner, etc.): Contractor

3. **Name of Property Owner of Record:** contact/president: Linda Almonte, Governor's Ridge Association, Inc

   If the owner is a corporation, or other non-individual entity, include the primary contact information

   Address of Owner of Record: c/o County Management Services,6527 Main St, Trumbull, CT 06611

   Telephone: 203-218-4076 **Cell:** ( ) **Email:** lindaalmonte2009@gmail.com

   If Applicant is the Owner, go to #5

4. **The undersigned hereby authorizes** Pristine Waters LLC **to act as Agent on my behalf as related to this application.**

   _____

   (Owner of Record)

5. **Description of proposed activity and location of property. Include listing of all proposed regulated activities (use separate sheet if necessary):**

Hydraulic suction dredging of an existing pond to restore original depth, temporary grading for a dewatering area, disposal of dredge spoils on site, restoring all disturbed areas as lawn

The applicant understands that this application is to be considered complete only when all information and documents required by the Agency have been submitted.

The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false statement according to the best of his/her knowledge and belief.

Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent (s) to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section 7.5 of the IWWC Regulations.

Owner's Signature: Linda Almonte **Date:** 3/25/2026

Applicant's Signature: _____ **Date:** 3/25/2026

(If not the Owner)

SECTION II

SITE PLAN REQUIREMENTS

1. Total property area: 25 ac+/- Zone: B-C Number of Lots: 1
2. Map ID, from assessors card: MBLU: D/04/00142/101
3. Total area existing of wetlands on property: 95,450 approx.
4. Total area of Regulated area on property: 261,725 sq ft 100-ft wetland setback/review area
5. Wetlands area to be disturbed: 22,800 sq ft (only pond disturbed during suction dredging)
6. Upland Review area to be disturbed: 72,140 sq ft
7. Proposed % of wetlands on the property to be disturbed: 24%
8. Total area of proposed land disturbance: 27,020 sq ft
9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield: Yes _____ No X (If yes, see Section 8.2 of the Trumbull IWWC Regulations.)
10. Is any portion of the site located within a water company watershed: Yes _____ No X (If yes, see Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)
11. Existing property coverage type data:

	Percent of Regulated Area:	Dominant Species:
Trees:	35%	white pine, maple, oak, hickory, birch
Shrubs:	10%	spicebush, viburnum, hydrangea, ornamentals
Grasses, weeds, etc:	23%	lawn grass
Impervious area:	32%	

12. Existing watercourse data and open water characteristics: (if applicable)
    a. Size of pond(s) or lake(s): 22,800 sq ft pond
    b. Stream characteristics: intermittent or permanent: intermittent
    c. 100 year flood evaluation: zone AE
13. Probable effect of proposal (if any) on vegetation and wildlife: none
14. Existing or proposed source(s) of water supply for the property: public
15. Existing or proposed method of sewage disposal for the property: public
16. Creation of proposed water bodies (If yes, detailed information will be required): Yes: _____ No: X
17. List proposed measures to protect regulated and inland wetland areas from:
    a. Erosion and sedimentation: silt fence, water barriers, turbidity curtain, stabilized construction access
18. Proposed percent of Regulated area to be covered with impermeable surface: 0 sq ft proposed
19. Material to be (check all that applies): deposited ☒ excavated ☒ (if yes, complete the following)
    a. Area: 22,800 sq ft pond area/14,500 sq ft disposal area Volume: 2,762 CY of wet sediment to be excavated/800 CY of dried spoils to be spread on site
    b. Physical & Chemical composition of material to be deposited: natural dredge spoils removed from pond, then spread on site when dried

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL

APPLICATION FOR PERMIT

SECTION I

SUBMITTED
Application No. 26-66
MAY 19 2026
INLAND WETLANDS COMMISSION
BY _____

1. Location/address of property where activity is proposed: 272 Strobel Road Trumbull
   Parcel Size .73 Zone: AA Map ID: _____ Current Use: Home
2. Applicant's Name: Lawrence & Maria Haslam
   Applicant's Address: 272 Strobel Road Trumbull
   Telephone: _____ Cell: 2038167577 Email: maria.haslam@certapro.com
   Applicant's interest in property (Lessee, Licensee, Owner, etc.): Owner
3. Name of Property Owner of Record: Lawrence & Maria Haslam
   If the owner is a corporation, or other non-individual entity, include the primary contact information
   Address of Owner of Record: 272 Strobel Road Trumbull
   Telephone: _____ Cell: 2038167577 Email: maria.haslam@certapro.com

   If Applicant is the Owner, go to #5
4. The undersigned hereby authorizes _____ to act as Agent on my behalf as related to this application.

   _____
   (Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities (use separate sheet if necessary):

Plant: 25 Green Giants, 6 Red Osier Dogwood, 6 Winterberry, 4 Karl Foerster Grass. Remove: 6 Oak Trees 48', 1 Tulip Tree 48', 3 Tulip trees 12', 1 Maple 24', 1 Swamptree 24', 1 Sweetgum tree (13 Trees Total)
4 dead trees removed Previously. Remove the stumps of all the trees in the front.

8 Front
5 back

The applicant understands that this application is to be considered complete only when all information and documents required by the Agency have been submitted.
The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false statement according to the best of his/her knowledge and belief.
Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent (s) to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section 7.5 of the IWWC Regulations.

Applicant's Signature: Maria A Haslam Date: 4-15-2025
(If not the Owner)

Owner's Signature: Maria A Haslam Date: 4-15-2025

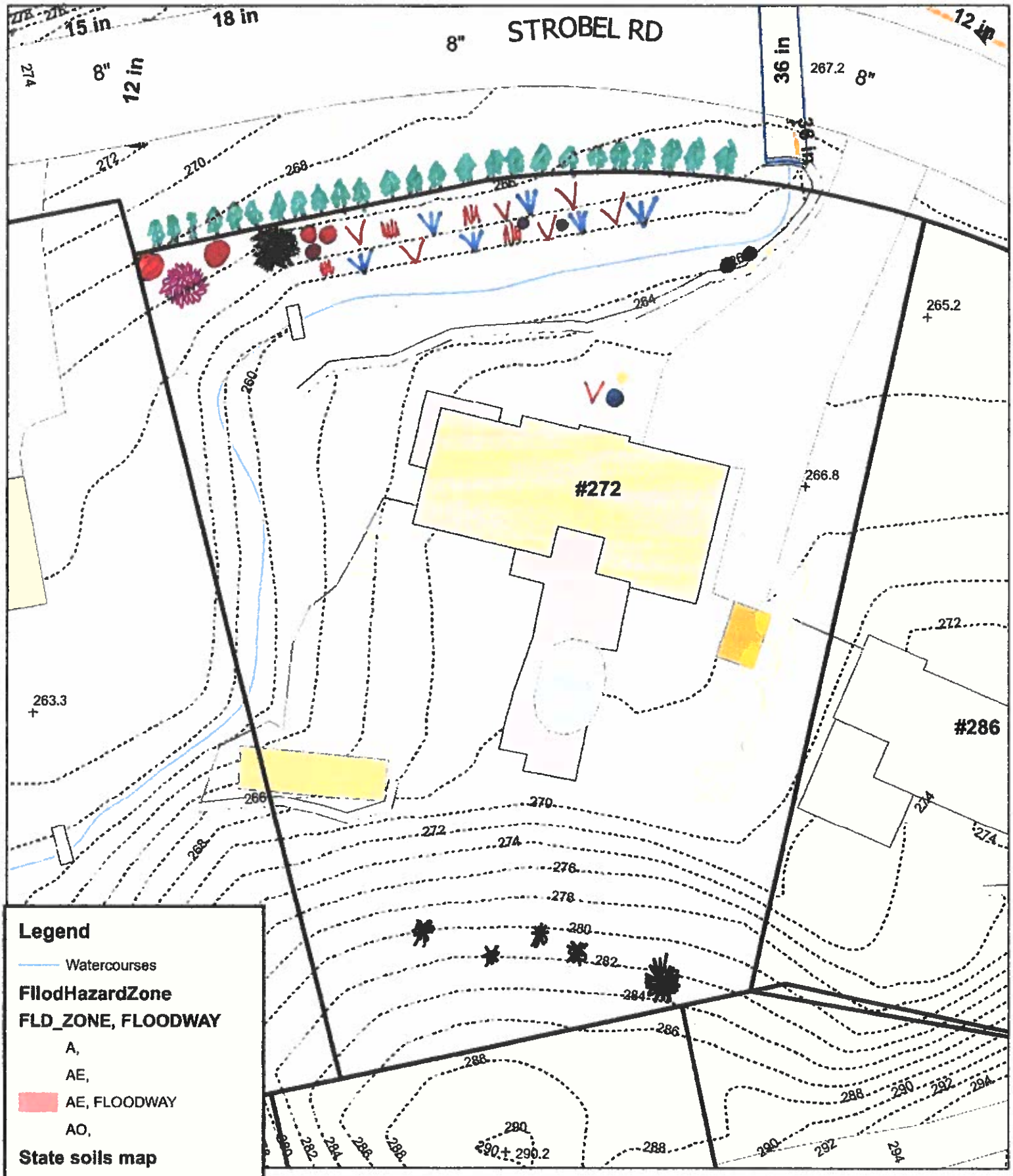
SECTION II

SITE PLAN REQUIREMENTS

1. Total property area: .73 Zone: AA Number of Lots: 1
2. Map ID, from assessors card: I/05 / 00036/ 000
3. Total area existing of wetlands on property: 1000 sqft
4. Total area of Regulated area on property: 26000 sqft
5. Wetlands area to be disturbed: 0 0%
6. Upland Review area to be disturbed: 600 square feet
7. Proposed % of wetlands on the property to be disturbed: 0 0%
8. Total area of proposed land disturbance: 700 square feet
9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield: Yes _____ No X (If yes, see Section 8.2 of the Trumbull IWWC Regulations.)
10. Is any portion of the site located within a water company watershed: Yes _____ No X (If yes, see Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)
11. Existing property coverage type data:

	Percent of Regulated Area:	Dominant Species:
Trees:	34%	-
Shrubs:	-	-
Grasses, weeds, etc:	44%	-
Impervious area:	20%	-

12. Existing watercourse data and open water characteristics: (if applicable)
    a. Size of pond(s) or lake(s): N/A
    b. Stream characteristics: intermittent or permanent: Permanent
    c.100 year flood evaluation: N/A
13. Probable effect of proposal (if any) on vegetation and wildlife: minimal
14. Existing or proposed source(s) of water supply for the property: city water
15. Existing or proposed method of sewage disposal for the property: sewer
16. Creation of proposed water bodies (if yes, detailed information will be required): Yes: _____ No: No
17. List proposed measures to protect regulated and inland wetland areas from:
    a. Erosion and sedimentation: silk fence
18. Proposed percent of Regulated area to be covered with impermeable surface: 0%
19. Material to be (check all that applies): deposited ☐ excavated ☐ (if yes, complete the following):
    a. Area: _____ Volume: _____
    b. Physical & Chemical composition of material to be deposited: _____


STROBEL RD
15 in
18 in
8"
12 in
36 in
267.2
#272
#286
265.2
266.8
263.3
Legend
Watercourses
FIlodHazardZone
FLD_ZONE, FLOODWAY
A,
AE,
AE, FLOODWAY
AO,
State soils map
CTWET
Alluvial and Floodplain Soils
Poorly Drained Soils
Water
Upland Review Area
This Map is for reference purposes. The town of Trumbull, CT makes no representation or guarantee as to the content, accuracy, timeliness, or completeness of any information provided herein.
0 5 10 20 30 40
Feet
1 inch = 30 feet
N
W
E
S

25 Green Giants 7-8'-PLANT

6 Red Osier Dogwood- PLANT

6 Winterberry- PLANT

4 Karl Foerster Grass- PLANT

6 Oak Tree 48"- REMOVAL

1 Tulip Tree 48"- REMOVAL

3 Tulip Trees 12"- REMOVAL

1 Swamp Maple 24"- REMOVAL

1 Sweetgum Tree 48"- REMOVAL

4 Previously Removed Trees-DEAD

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL

APPLICATION FOR PERMIT

SECTION I

Application No. 25-10
SUBMITTED
MAR 19 2025
INLAND WETLANDS COMMISSION
BY _____

1. Location/address of property where activity is proposed: 6 SYCAMORE ST.
   Parcel Size .245 AC Zone: A Map ID: D10/320 Current Use: RESIDENTIAL
2. Applicant's Name: EMILIA FERRI
   Applicant's Address: 18 PECK AVENUE, GREENWICH, CT 06830
   Telephone: " " Cell: (203) 545-7761 Email: Emiliaferridesign@gmail.com
   Applicant's interest in property (Lessee, Licensee, Owner, etc.): ARCHITECT
3. Name of Property Owner of Record: FAIRVIEW AVENUE REAL ESTATE LLC
   If the owner is a corporation, or other non-individual entity, include the primary contact information
   Address of Owner of Record: P.O. BOX 110696, TRUMBULL, CT 06611
   Telephone: 203-257-4130 Cell: ( ) " " Email: plynn15@aol.com

If Applicant is the Owner, go to #5

4. The undersigned hereby authorizes EMILIA FERRI to act as Agent on my behalf as related to this application.
   Patricia L. Ferri
   (Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities (use separate sheet if necessary):
   LEGALIZE EXISTING IMPROVEMENTS FOR RETAINING WALL LOCATION, TOPOGRAPHIC CONTOUR CHANGES AND PROPOSED UNDERGROUND INFILTRATION SYSTEM LOCATION, NEW REAR DECK MODIFICATION OF PERMIT # 21-07

The applicant understands that this application is to be considered complete only when all information and documents required by the Agency have been submitted.
The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false statement according to the best of his/her knowledge and belief.
Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent (s) to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section 7.5 of the IWWC Regulations.

Applicant's Signature: Emilia Ferri Date: 3-18-25
(If not the Owner)

Owner's Signature: Patricia L. Ferri Date: 3-18-2025

SECTION II

SITE PLAN REQUIREMENTS

1. Total property area: .245 AC. Zone: A Number of Lots: 1
2. Map ID, from assessors card: D/10 / 003200/000
3. Total area existing of wetlands on property: 0
4. Total area of Regulated area on property: .21 AC.
5. Wetlands area to be disturbed: 0
6. Upland Review area to be disturbed: .21 AC.
7. Proposed % of wetlands on the property to be disturbed: 0
8. Total area of proposed land disturbance: .245 AC
9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield: Yes _____ No X (If yes, see Section 8.2 of the Trumbull IWWC Regulations.)
10. Is any portion of the site located within a water company watershed: Yes _____ No X (If yes, see Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)
11. Existing property coverage type data:

	Percent of Regulated Area:	**Dominant Species:**
Trees:	0	N/A
Shrubs:	0	N/A
Grasses, weeds, etc:	100%	NATIVE
Impervious area:	0	N/A

12. Existing watercourse data and open water characteristics: (if applicable)
    a. Size of pond(s) or lake(s): N/A
    b. Stream characteristics: intermittent or permanent: INTERMITENT
    c. 100 year flood evaluation: N/A
13. Probable effect of proposal (if any) on vegetation and wildlife: NONE
14. Existing or proposed source(s) of water supply for the property: PUBLIC
15. Existing or proposed method of sewage disposal for the property: PUBLIC
16. Creation of proposed water bodies (if yes, detailed information will be required): Yes: _____ No: X
17. List proposed measures to protect regulated and inland wetland areas from:
    a. Erosion and sedimentation: SILT FENCE, PROPOSED RETAINING WALL
18. Proposed percent of Regulated area to be covered with impermeable surface: 0.04 AC
19. Material to be (check all that applies): deposited ☑ excavated ☐ (if yes, complete the following):
    a. Area: .17 AC Volume: 787 C.Y. DEPOSITED
    b. Physical & Chemical composition of material to be deposited: CLEAN FILL, ON SITE MATERIAL RELOCATED FROM ESCAVATED FOUNDATION AREA.

INLAND WETLANDS AND WATERCOURSES
COMMISSION
TOWN OF TRUMBULL

APPLICATION FOR PERMIT

SECTION I

Application No. 25-11
SUBMITTED
MAR 19 2025
INLAND WETLANDS COMMISSION
BY _____

1. Location/address of property where activity is proposed: LOT 321, SYCAMORE ST.
   Parcel Size .41 AC Zone: A Map ID: D10/321 Current Use: RES. VACANT LOT
2. Applicant's Name: EMILIA FERRI
   Applicant's Address: 18 PECK AVENUE, GREENWICH, CT 06830
   Telephone: _____ Cell: (203) 545-7761 Email: emiliaferridesign@gmail.com
   Applicant's interest in property (Lessee, Licensee, Owner, etc.): ARCHITECT
3. Name of Property Owner of Record: HURD REALTY LLC
   If the owner is a corporation, or other non-individual entity, include the primary contact information
   Address of Owner of Record: P.O. BOX 110696, TRUMBULL, CT 06611
   Telephone: _____ Cell: (203) 257-5551 Email: fernapinc@gmail.com

If Applicant is the Owner, go to #5

4. The undersigned hereby authorizes EMILIA FERRI to act as Agent on my behalf as related to this application.

   _____
   (Owner of Record)

5. Description of proposed activity and location of property. Include listing of all proposed regulated activities (use separate sheet if necessary):

LEGALIZE PROPOSED RETAINING WALL LOCATION, RELOCATE SCOUR HOLE LOCATION AND ENCROACHMENT ON LIMIT OF DISTURBANCE.

The applicant understands that this application is to be considered complete only when all information and documents required by the Agency have been submitted.
The undersigned warrants the truth of all statements contained herein and in all supporting documents under penalty of false statement according to the best of his/her knowledge and belief.
Permission is granted to the Town of Trumbull, Inland Wetlands & Watercourses Commission, and its agent (s) to inspect the subject land, at reasonable times, during the pendency of an application and for the life of the permit under Section 7.5 of the IWWC Regulations.

Applicant's Signature: Emilia Ferri Date: 3-18-25
(If not the Owner)

Owner's Signature: _____ Date: 3-18-2025

SECTION II

SITE PLAN REQUIREMENTS

1. Total property area: .41 AC Zone: A Number of Lots: 1
2. Map ID, from assessors card: D10 / 321
3. Total area existing of wetlands on property: .24
4. Total area of Regulated area on property: .41 Ac
5. Wetlands area to be disturbed: 0
6. Upland Review area to be disturbed: .10
7. Proposed % of wetlands on the property to be disturbed: 0
8. Total area of proposed land disturbance: .10
9. Is the proposed activity located within 500 feet of the boundary of Easton, Monroe, Shelton, Stratford, Bridgeport or Fairfield: Yes _____ No X (If yes, see Section 8.2 of the Trumbull IWWC Regulations.)
10. Is any portion of the site located within a water company watershed: Yes _____ No X (If yes, see Section 8.3 of Trumbull Inland Wetlands & Watercourses Regulations.)
11. Existing property coverage type data:

	Percent of Regulated Area:	Dominant Species:
Trees:	60%	
Shrubs:	0	
Grasses, weeds, etc:	40%	
Impervious area:	0	N/A

12. Existing watercourse data and open water characteristics: (if applicable)
    a. Size of pond(s) or lake(s): N/A
    b. Stream characteristics: intermittent or permanent: INTERMITTENT
    c. 100 year flood evaluation: N/A
13. Probable effect of proposal (if any) on vegetation and wildlife: 0
14. Existing or proposed source(s) of water supply for the property: N/A
15. Existing or proposed method of sewage disposal for the property: N/A
16. Creation of proposed water bodies (if yes, detailed information will be required): Yes: _____ No: X
17. List proposed measures to protect regulated and inland wetland areas from:
    a. Erosion and sedimentation: SILT FENCE & PROPOSED RETAINING WALL
18. Proposed percent of Regulated area to be covered with impermeable surface: 0
19. Material to be (check all that applies): deposited ☒ excavated ☐ (if yes, complete the following):
    a. Area: .07 AC Volume: 843 CY
    b. Physical & Chemical composition of material to be deposited: BOULDERS & CLEAN FILL

REMEDIAL ACTION EVALUATION
SYCAMORE STREET DEVELOPMENT
TRUMBULL, CONNECTICUT

TOWN OF TRUMBULL

PROJECT NO.: US0046963.0364
DATE: APRIL 1, 2026

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SIGNATURES

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1.0 INTRODUCTION

WSP USA Inc. (WSP) has prepared this Remedial Action Evaluation for the property identified as Sycamore Street Development in Trumbull, Connecticut (the "Site"). This report was prepared on behalf of Town of Trumbull, to address pollution identified at the Site that represents an unacceptable risk to human health and the environment. This report includes a brief overview of remedial alternatives followed by additional details regarding the recommended remedial approach, which is designed to bring the Site into compliance with Regulations of Connecticut State Agency (RCSA) Section 22a-134tt-1 through 13 (a.k.a. the Release Based Cleanup Regulations [RBCRs])

The Site primarily consists of three contiguous parcels of land as well as a proposed Town right of way known as Sycamore Steet situated north of Pine Street in Trumbull. The Site parcels are currently owned by Hurd Realty LLC and Fairview Avenue LLC and are undergoing residential development. The Trumbull IWWC identified site work that was inconsistent with the existing regulatory agency approvals. This included the construction of a retaining wall and certain filling and grading activities. Demolition debris and other deleterious materials were evident as a component of an estimated 13,500 cubic yards the fill, which was placed at the Site. Evaluation of the fill materials were completed by Fairfield Testing Laboratory and WSP as documented with a June 2025 Geotechnical Inspection Report and our April 2026 Subsurface Investigation Report. These evaluations resulted in the identification of the extensive placement of low-quality fill containing debris across much of the study area. The fill at the Site was consistently found to contain a wide range of contaminants that exceed regulatory criteria and requires remediation.

2.0 SITE BACKGROUND

The Site consisted of undeveloped land prior to the construction of the dwelling at 4 Sycamore Street and the foundation at 6 Sycamore Street in 2024. A review of historical aerial photographs indicates that portions of the Site were cleared by 1985 and a dirt access road was visible from Pine Street by 2004. Materials and equipment were periodically staged at portions of the Site within aerial photographs from 2004 through 2024. The construction of some retaining walls and

placement of fill was evident at portions of the Site by 2010.

The Trumbull IWWC identified site work associated with the development that was inconsistent with the existing regulatory agency approvals, as determined by the IWCC during a February 28, 2025 inspection. These activities included the construction of a retaining wall and filling and grading. Demolition debris and other deleterious materials were evident as a component of an estimated 13,500 cubic yards of the fill. Notably, portions of the retaining wall and filling extended onto an adjacent parcel identified as 4285 Madison Avenue. A preliminary evaluation of the fill resulted in the identification of contaminants at concentrations that exceed regulatory criteria.

3.0 ENVIRONMENTAL SETTING

3.1 Regional Physiography

The Site is located on the U.S. Geological Survey (USGS), Bridgeport, Connecticut topographical quadrangle. The Site topography slopes down from west to east across southern portions of the Site and down from southwest to northeast at northern portions of the Site. The portions of the Site that are under development are situated at approximately 302 to 314 feet above mean sea level (ft amsl). Undeveloped wood areas at northern portions of the Site slope down to depths of 290 to 298 ft amsl in the area of a brook that passes along the northeastern portions of the 0 Sycamore Street parcel.

3.2 Geologic Conditions

The surficial geology at the Site is mapped on the Surficial Material Map of Connecticut (Stone, 1992) along the divide between thick glacial till at western portions and sand and gravel at eastern portions. Bedrock at the Site and vicinity is mapped on the Bedrock Geologic Map of Connecticut (Rodgers, 1985) as the Straits Schist, which is described as a silvery to gray, coarse-grained schist.

3.3 Hydrologic Characteristics and Known Groundwater Uses

The closest surface water body is an unnamed brook that originates at Aldo Park, flows in a southerly direction through residential areas, passes along the eastern property line of the 0 Sycamore Steet parcel, and enters a containerized culvert at a parcel adjacent to 6 sycamore Street parcel. This unnamed brook is mapped as Class "A" (CTDEEP, 2006). A Class A surface water criteria indicates that it is known or presumed to meet the water quality criteria for one or more of the designated uses, which may include public water supply, habitat for fish and wildlife; recreation; navigation; and agricultural and industrial water usages.

The Site is located in an area that is classified by the Connecticut Department of Energy & Environmental Protection (CTDEEP) as class "GA" groundwater quality. This classification indicates that groundwater is considered a drinking water resource and is presumed to be suitable for drinking without pretreatment. Overburden groundwater was encountered at depths of approximately 14 to 19 feet below grade at eastern portions of the Site, and based on topography, was inferred to generally flow from west to the east; however, localized northerly and southerly flow components may be present at portions of the Site. An overburden groundwater was not encountered above presumed bedrock at western portions of the Site.

Public water supply is supplied to the Site and surrounding area by the Aquarion Water Company. The Connecticut Department of Public Health mapping does not identify any public or private water supply wells within 500 feet of the Site.

The CTDEEP Aquifer Protection Program web-based mapping series does not identify aquifer protection areas in within a one-quarter mile radius of the Site.

4.0 REGULATORY SETTING

The regulatory criteria within the RBCRs are risk based cleanup standards promulgated to protect human health and the environment. Based on the environmental setting and the proposed residential use of the Site, the applicable regulatory criteria include the Residential Direct Exposure Criteria (R-DEC) and the class GA Pollutant Mobility Criteria (GA-PMC) for soil and

the Groundwater Protection Criteria (GWPC), Residential Volatilization Criteria (R-VC), and Surface Water Protection Criteria (SWPC) for groundwater.

5.0 SUMMARY OF ENVIRONMENTAL CONDITIONS

Subsurface investigation of the Site by WSP and others has included the advancement of 22 test pit excavations and four soil borings; 2) completion of two groundwater monitoring wells; and 3) collection and laboratory analyses of 37 soil samples and two groundwater samples. Depth to water measurements and soil and groundwater data are summarized in Tables 1 through 3. The findings of the subsurface investigations are as follows:

- Extensive filling was completed across much of the 4 & 6 Sycamore Street parcels, southern portions of the 0 Sycamore Street parcel, at portions of the proposed Sycamore Street right-of-way, and at the southwestern portion of the adjacent 4285 Madison Avenue parcel. The fill was found to be 10 to 12 feet thick and contained debris including asphalt, brick, concrete, tile, glass, metal, and wood. We anticipate that the thickness of the fill tapers out at portions of the Site.

- The fill at the Site was consistently found to contain a wide range of contaminants including PAHs and leachable lead demonstrating that the fill was contaminated at concentrations that exceeded regulatory criteria at the time of placement. Other constituents were also consistently present but at concentrations that were generally below regulatory criteria including pesticides and ETPH. The fill was also found to contain certain debris such as metal that would not otherwise qualify as clean fill.

- Portions of the fill were found to exhibit isolated conditions including the presence of petroleum related VOCs and/or elevated ETPH coupled with petroleum odors in the area of test pits TP-8 and TP-13. Bromomethane, which was historically used primarily as a pesticide fumigant, was also detected at TP-13. These isolated conditions may represent discrete releases that occurred at the Site, or they could have been contained within the

fill at the time of placement. Regardless of the source, the concentrations of ETPH and bromomethane exceed regulatory criteria.

- Based on the presence of contaminants that exceed regulatory criteria and the presence of certain deleterious materials, the fill at the Site does not qualify as "clean fill" under section 22a-209 of the CTDEEP Solid Waste Regulations, and rather, would qualify as "solid waste" consistent with CTDEEP policy regarding the Management of Contaminated Environmental Media. Furthermore, the placement of the fill was inconsistent with Section 22a-134tt-9(h) of the RBCRs governing the use of polluted soil, which prohibits the use of soils that exceed regulatory criteria, limits the placement of polluted fill to areas that were already polluted, and generally excludes the placement of polluted fill to more than 4 feet above original grades.

- Groundwater Conditions: A petroleum-related groundwater plume was identified at northeastern portions of the 6 Sycamore Street parcel. The concentration of ETPH detected in groundwater exceeded the groundwater regulatory criteria and warrants further action. The source of the groundwater plume appears to be related to petroleum impacted soils located in the area upgradient of well MW-2 including the area of test pits TP-8 and TP-13.

6.0 EVALUATION OF REMEDIAL ALTERNATIVES

Subsurface investigation has resulted in the identification of unacceptable risks to human health and the environment that require remediation. The considered remedial alternatives assume that the developer will gain control of the full area of contaminated full placement including a portion of the adjacent parcel identified as 4285 Madison Avenue. The considered remedial alternatives are as follows:

- Alternative #1: No Action.

- Alternative #2: Removal and proper disposal of the entire mass of polluted fill that has been placed within the area of study. This alternative would require the demolition of the

existing structures at the Site to be completely implemented. Alternatively, a majority of the fill could be removed leaving portions of the fill in the area of permanent structures. This partial implementation approach would also require an Environmental Use Restriction (EUR) to prohibit the disturbance of any fill remaining at the Site.

- Alternative #3: Off-Site Disposal of Hot-Spot Soil Impacts with construction of an Environmental Cap. The Environmental Cap would consist of a clean fill engineered control and the proposed hardened surface coverings including a Site buildings, pavement, and hardscape features. The on-going management of the polluted fill would require an EUR to prohibit the disturbance of the Environmental Cap.

The remediation alternatives were evaluated in consideration of planned redevelopment of the Site in the subsections that follow. These remedial alternatives assume that the area where contaminated fill was placed at the 4285 Madison Avenue parcel will be incorporated into the 6 Sycamore Street parcel.

6.1 Effectiveness of Remedial Alternative

Alternative #1: No Action

This alternative would not achieve compliance with the RBCRs. Development of the Site could not occur without addressing the resulting impacts to human health and the environment at the Site.

Alternative #2: Complete Removal of Fill

The removal of all of the polluted fill is anticiapted to result in the complete restoration of the Site to preexisting conditions resulting in the elimination of unacceptable risks to human health and the environment and leave the property unincumbered for future development.

The removal of a majority of the fill at the Site in an effort to salvage some or all of the existing structures would leave the property encumbered with a EUR and have similar effectiveness as Alternative #3.

Alternative #3: Hot-Spot Removal with construction of an Environmental Cap

This alternative includes the removal of hot-spot contaminated soil at northern portions of the 6 Sycamore Street parcel, at southern portions of the 0 Sycamore Street parcel, and within the Sycamore Street right-of-way. The remaining fill placement area would be capped with a clean fill Environmental Cap and the proposed hardened surface coverings. This remedial alternative would be anticiapted to result in the natural attenuation of the petroleum groundwater plume detected at the Site and the minimization of human exposures to the polluted fill. However, the property would be encumbered with an EUR that would prohibit the disturbance of the Environmental Cap.

6.2 Implementability

Alternative #1: No Action

This alternative would require no implementation.

Alternative #2: Complete Removal of Fill

The complete removal of fill would require extensive permitting, demolition, and earthwork. The work would likely be on-going for many months requiring nearly 850 tri-axle dump truck loads of material export.

Alternative #3: Hot-Spot Removal with construction of an Environmental Cap

The excavation and removal of contamination hot-spots and capping of contaminated soil would be feasible since the Site is currently vacant. Therefore, the impacted soils would be readily accessible. Implementation of excavation and off-site disposal of soil following this approach is relatively straightforward and can achieve results comparatively quickly. The use of an environmental cap would require the recording of a CTDEEP approved EUR within the land records, which can be a cumbersome process. The EUR would limit excavation following the construction of the proposed development; however, the EUR would not include a residential restriction.

6.3 Cost

WSP has compared order of magnitude costs for the implantation of the remedial alternatives as follows:

Alternative #1: No Action

This alternative requires no cost but would result in unacceptable exposures and regulatory enforcement. In addition, this alternative would not allow the Site to be returned to a viable economic parcel that would be positive for the surrounding community.

Alternative #2: Complete Removal of Fill

The costs associated with the complete removal of contaminated fill are estimated as follows:

Structure Demolition: $150,000
Excavation of Contaminated Fill: $120,000
Transport and Disposal of Contaminated Fill: $1,700,000
LEP/Consulting Oversight: $60,000

Total Estimated Cost: $2,030,000

Costs for the removal of a majority of the fill with the salvage of existing structures would result in the elimination of the demolition costs and a portion of the soil transport and disposal costs; however, additional costs would be incurred for the import and placement of clean fill and the preparation of the EUR. We estimate these costs as follows:

Excavation of Contaminated Fill: $100,000
Transport and Disposal of Contaminated Fill: $900,000
Supply, place, and compact Clean Fill: 370,000
LEP/Consulting Oversight: $55,000
EUR Prep with estimated legal fees: $50,000

Total Estimated Cost: $1,475,000

Alternative #3: Hot-Spot Removal with construction of an Environmental Cap

Remediation of the hot-spot soil impacts is also anticipated to remove the primary source area of the groundwater plume detected at the Site that exceed regulatory criteria. Petroleum and bromomethane soil impacts would be excavated and removed with an Environmental Cap covering the remaining impacts. We have assumed that the soil remediation program will include the excavation and removal of 1,500 tons of contaminated soil from the development. Estimated costs include the following:

Excavation of Contaminated Fill: $15,000
Transport & Disposal (1,500 tons x $85 per ton): $127,500
Cap Construction Earthwork: $15,000
Supply, place, and compact Clean Fill: $45,000
LEP/Consulting Oversight: $38,000
EUR Prep with estimated legal fees: $50,000

Total Estimated Cost: $290,500

These cost estimates have not considered post-remediation costs associated with compliance tasks such as the installation of additional monitoring wells, completion of a quarterly compliance, establishing a maintenance and monitoring surety, and final closure reporting.

6.4 Recommended Cleanup Alternative

The recommended cleanup alternative is Alternative #3: Hot-Spot Removal with construction of an Environmental Cap. This alternative is practical, implementable, and effective in protecting human health and the environment. It is also the most cost-effective solution, and given the presumed finite resources of the developer, this alternative is likely to have the best chance of achieving compliance with the RBCRs.

7.0 REMEDIATION PROGRAM

Subsurface investigation has resulted in the identification of conditions that require remediation.

The contemplated remediation program includes excavation and removal of contamination hot-spot fill materials, the construction of an Environmental Cap, conditional exemption to the GA-PMC, and recording of an Environmental Use Restriction (EUR). Elements of the contemplated compliance program are summarized below.

7.1 Public Notice Activities

Public notice of remediation is required to comply with existing regulations including for the anticiapted use of an EUR.

7.2 Conditional Exemption to the GA-PMC

Section 22a-134tt-9(c)(5)(C) of the RBCRs indicates that soil at a release area polluted with substances, other than VOCs, is not required to be remediated to meet the PMC, provided several conditions are met as follows:

1) 80 percent of the mass of the substance has been subject to infiltration;
2) Infiltration was not obstructed by anthropogenic features for at least 5 years;
3) Groundwater monitoring complies with the RBCRs with the laboratory analytical results comply with the GWPC and SWPC.

The use of this conditional exemption to the GA-PMC is contemplated for use to address lead in fill at the Site. Our preliminary evaluation indicates that these fill materials are subject to infiltration and lead was not detected in groundwater at the Site; however, a quarterly groundwater compliance evaluation will be required to more fully evaluate the use of the conditional exemption.

7.4 Release Delineation/Soil Excavation

Elevated concentrations of petroleum were detected in the area of test pits TP-8 and TP-13. Leachability analyses were used to demonstrate that the detected impacts do not exceed an optional GA-PMC; however, the presence of an ETPH plume at downgradient monitoring well MW-2, suggests that these soil impacts are the source of the plume. Bromomethane, which was

historically used primarily as a pesticide fumigant, was also detected at TP-13 at concentrations that exceed the GA-PMC. We anticipate that that these apparent "hot-spot" areas of contamination will be excavated and removed. The area requiring remediation is not fully known and could be delineated with additional investigation or during the soil excavation and removal process.

The remedial actions must be performed by a remedial contractor permitted by the CTDEEP in accordance with Section 22a-454 of the Connecticut General Statutes including either a permitted spill cleanup contractor or a registered existing release response contractor. The remedial actions will be directed by a State of Connecticut LEP. We anticipate that the remediation process would generally include the excavation and removal of soils with field indications of petroleum impacts. In addition, contaminated soil will be entirely removed from the proposed Sycamore Street right-of-way. The preliminarily estimated extents of remedial excavations are depicted in Figure 2.

7.4.1 Erosion Controls

The remediation contractor will establish appropriate sedimentation and erosion controls prior to initiation of excavation. The measures typically include the placement of hay bales and silt fence, and protection of catch basins.

7.4.2 Environmental Monitoring

A field engineer will monitor remediation activities. Specific tasks described in the plan include the following:

- Observe soil excavation activities, screen soils for signs of contamination, monitor work zone and perimeter air for dust and volatile organic compounds (VOCs);
- Identify the areas to be excavated and the depth of excavations;
- Collect and analyze post-excavation soil samples; and,

- Collect and analyze additional soil samples for waste characterization.

7.4.3 Dust Control

The contractor will employ dust control measures necessary to minimize the creation of airborne fugitive dust. Such measures could include periodic wetting of high traffic areas and active excavation areas, use of crushed stone or other dust control products in high traffic and staging areas, use of temporary mats or coverings to minimize dust generation, and any other feasible means to control dust, as necessary.

7.4.4 Vapor and Odor Control

The field engineer will monitor the work area in accordance with the requirements of the HASP for the site. Contaminant vapors at significant concentrations that might require respiratory protection for site workers are not anticipated during the project. However, in the event that excavation or other site activities generate excessive contaminants, vapors or odors, as determined through air monitoring and/or direct observations, the remediation contractor will be prepared to employ control measures necessary to minimize the generation of such contaminant vapors and odors. Such measures could include restricting work in a particular area, use of temporary mats or coverings, use of odor-suppressant foam, containment of a particular work area, and other feasible means of controlling contaminants, vapors, and odors, as necessary.

7.4.5 Confirmatory Soil Sampling

The field engineer will collect post-excavation soil samples to confirm that the objectives of the remediation project have been achieved. The post-excavation soil sampling strategy for the remediation of impacted soil will consist of a minimum of one soil sample from each of the sidewalls of the excavation area. Bottom samples will also be collected. Additional sampling may be necessary based on the actual excavation size. The specific locations will be selected in the field during the remediation activities and will be based on the professional judgment of the Project LEP. Criteria that will be used to determine which locations will be sampled will include site layout, the actual location and quantity of impacted soil in a given area of the Site as observed during the removal program, and the location relative to previous sample locations. In addition, the disposal, distribution, and contaminant migration mechanisms for the impacted soil

will be taken into account in determining the specific sampling strategy.

All of the post-excavation soil samples will be collected as discrete samples, rather than composite samples. Soil sample locations will be distributed throughout the excavated area to provide reasonable coverage so that the project objectives can be confirmed. Sufficient samples will be collected such that there will be enough data to assess that the horizontal and vertical extent of the impacted soil has been determined and that the samples collected are adequate to determine that the release has been remediated in the horizontal and vertical directions. If unanticipated conditions are encountered, the Project LEP will make appropriate modifications to the sampling plan.

It is anticipated that all of the post-excavation soil samples will be analyzed for constituents of concern that exceed remedial criteria within the release area. If field screening or other observations indicate that analysis of the samples for other compounds is warranted, then additional samples will be collected.

Samples along the perimeter of the excavated area generally will be collected at a depth that correlates to the depth of observed impacted soil at the specific perimeter location. An appropriate sampling depth will be selected by the Project LEP such that the horizontal and vertical extent of the release can be determined, and that a condition that is protective of human health and the environment can be confirmed.

Soil samples will be collected in clean laboratory jars and preserved appropriately. The samples will be transported under a chain of custody to a State of Connecticut Department of Public Health certified laboratory. It is anticipated that the post-excavation soil samples will be analyzed using standard 5 to 7 business day turnaround (TAT).

If any of the analytical results are above the objective criteria (i.e., the GA-PMC and R-DEC), then the contractor will excavate additional soil as directed by the Project LEP and the Inspector will collect a second post-excavation soil sample from that location.

7.4.6 Management of Contaminated Soils

Contaminated soils will be stockpiled at the Site in conformance with the requirements of the CTDEEP General Permit for Contaminated Soil and/or Sediment Management (Staging and Transfer). A copy of this General Permit is provided as Appendix I.

7.4.7 Import of Fill

Structural or other fill materials may be imported to the Site to meet the final grading plan. Fill material will be from a natural quarry with no known potential source of contamination that is approved by the Project LEP. The fill may contain no reclaimed or other deleterious materials. Upon inspection, the Project LEP may require the collection and analyses of the fill to ensure that the fill is not polluted. The source of the fill will be documented within an eventual Final Remedial Action Report.

7.4.9 Decontamination of Equipment

The contractor is responsible for cleaning tools and equipment before they are taken from the Site. Contractor's tools and equipment which are to be taken from the site will be decontaminated on the site. This shall include all tools, heavy machinery and excavating and hauling equipment used during excavation, stockpiling and any re-handling of polluted soil or groundwater.

7.6 Environmental Cap

The fill material encountered at the Site largely exceeds the R-DEC and must be entirely capped to minimize exposures to the future residents. The contemplated cap includes the existing dwelling foundations, proposed asphalt pavement and concrete walkway areas, and a clean fill cap. The RBCRs would allow the clean fill cap to range from a 4-foot cover layer to an "engineered control" that includes at least 1-foot of clean fill and a demarcation layer. The various relevant types of "engineered controls" that are available under Section 22a-134tt-9(f)(2)(B) of the RBCRs include the following:

- A demarcation layer and a minimum of 1-foot clean fill covered with shallow-rooted

vegetation such as grass.

- A demarcation layer and a minimum of 1-foot gravel.

- A demarcation layer and a minimum of 1.5-feet clean fill covered with shrubbery or trees.

We note that the RBCRs indicate that an LEP Certification of these types of "engineered controls" are generally possible; however, an application for CTDEEP approval may be needed due to the presence of more than 4-feet of polluted fill (prohibited under Section 22a-134tt-9(f)(2)(B)(iii) of the RBCRs). The LEP Certification or Application for Approval of an Engineered Control includes a demonstration of eligibility, engineering plans describing the construction of the proposed engineered controls, run-off control measures, inspection schedules, and an estimation of inspection and maintenance surety.

7.7 Off-Site Disposal of Contaminated Materials

Waste classification will be performed in accordance with Federal and State regulations regarding the disposal and recycling of contaminated material. Contaminated material designated for off-site disposal or recycling will be disposed or recycled at off-site locations appropriate for the waste classification in conformance with applicable Federal, State, and local regulations governing hazardous waste and contaminated material.

7.8 Environmental Use Restriction (EUR)

An Environmental Use Restriction (EUR) is proposed that would prohibit the demolition of the two Site dwellings and disturbance of the proposed Environmental Cap areas. The elements of the contemplated EUR include preparation of the EUR application, survey modifications to identify the EUR Subject Areas; and the evaluation of easements and other deed encumbrances that may need to be subordinated to the EUR. The EUR application cannot be finalized until the CTDEEP and/or LEP approved engineered controls have been constructed. The final approved EUR will need to be recorded with the survey plan within the Trumbull land records.

8.0 GROUNDWATER MONITORING PROGRAM

Section 22a-134tt-10(h) of the RBCRs requires the completion of a quarterly groundwater monitoring program for any groundwater plume and for any release area remediated in accordance with the RBCRs except for release areas remediated solely to address an exceedance of the Direct Exposure Criteria. The groundwater monitoring program must be designed to determine the effectiveness of soil remediation in preventing the pollution of groundwater and minimizing health and safety risks. We anticipate the need to install at least one new monitoring well. A total of four quarters of groundwater monitoring data completed after active remediation is required to evaluate compliance with the groundwater criteria.

9.0 FINAL REMEDIAL ACTION REPORT

A Final Remedial Action Report would document remediation and groundwater monitoring activities. The report will include the following:

1. Site summary including a description of the conceptual site model and the rationale for the remediation, soil sampling, and groundwater monitoring program;

2. Description of field activities, with methods, observations and screening results;

3. Laboratory reports, photographs, and summary tables;

4. A discussion of the data relative to the applicable regulatory criteria and the Connecticut RBCRs;

5. AutoCAD site plans of the Site which depict the remediation and sampling areas, groundwater monitoring wells, and groundwater flow patterns;

6. Documentation regarding the characterization and disposal or recycling of contaminated media removed from the Site;

7. Documentation of the source of any fill material brought to the Site; and

8. The Final Remedial Action Report will be signed by the Licensed Environmental Professional overseeing the investigation, remediation, and post-remediation monitoring of the Site.

April 1, 2026

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TABLES

Table 1

SYCAMORE STREET DEVELOPMENT
0, 4 & 6 SYCAMORE STREET
TRUMBULL, CONNECTICUT

Water-Level Depth - December 3, 2025

Well ID	Date Measured	Depth to Water (ft btoc)
MW-1	12/3/2025	20.36
MW-2	12/3/2025	15.70

ft btoc: feet below top of casing

Table 2

SYCAMORE STREET DEVELOPMENT
0, 4 6 SYCAMORE STREET
TRUMBULL, CONNECTICUT

Summary of Analytical Results of Soil Samples

	Units	Regulatory Criteria GA-PMC	R-DEC	GWPC	Sample 1 (3')	Sample 2 (7')	Sample 3 (4')	Sample 3 (7')	Sample 4 (4.5')	Sample 4 (6.5')	Sample 5 (4')	Sample 5 (7')	Sample 6 (4')	Sample 6 (6')	Sample 7 (2')	Sample 8 (4')	Sample 9 (4')	Sample 9 (6')	Sample 9 (7')	TP-1 (1')	TP-2 (4')
Total Metals																					
Arsenic	mg/kg	N/A	10	N/A	7.14	2.8	2.58	2.49	2.24	1.77	2.6	2.02	2.48	2.17	3.65	1.66	2.01	3.2	2.39	5	5.8
Barium	mg/kg	N/A	4,700	N/A	64.6	40	50.6	37.1	74.6	63.1	59.7	56.5	77.2	42.2	27.7	46.9	66.8	74.8	65.6	---	---
Cadmium	mg/kg	N/A	34	N/A	ND<0.282	0.289	0.306	ND<0.277	ND<0.292	ND<0.288	8.67	0.351	ND<0.272	0.281	ND<0.283	ND<0.283	ND<0.284	ND<0.295	ND<0.272	ND<0.52	ND<0.54
Chromium	mg/kg	N/A	3,900	N/A	16.70	8.90	8.40	6.85	9.52	8.05	10.40	10.40	21.30	8.11	7.75	7.43	6.71	11.20	10.80	---	---
Copper	mg/kg	N/A	2,500	N/A	20.9	40.9	27.5	19.5	25.1	16.3	63.5	29	28.4	35	12.6	12.2	17.8	18.8	16.5	22	34
Lead	mg/kg	N/A	400	N/A	44.9	41	83.6	46.1	48.6	37.1	102	90	38.9	34.6	39.7	23	77.4	48.5	33.8	68	66
Mercury	mg/kg	N/A	20	N/A	0.074	0.0562	0.188	0.126	0.0771	0.173	0.168	0.158	0.0603	0.0722	ND<0.0339	ND<0.0340	0.0589	0.072	0.103	ND<0.13	ND<0.15
Nickel	mg/kg	N/A	1,400	N/A	11.1	7.91	6.1	5.15	7.21	5.28	19.6	6.84	13.2	6.8	5.66	5.05	5.33	6.87	6.42	---	---
Zinc	mg/kg	N/A	20,000	N/A	27.4	89.8	74.7	51.4	58.5	51.1	105	75	58.2	36.2	39.8	31.6	56.4	52.9	41.5	---	---
SPLP Metals																					
SPLP Arsenic	mg/L	0.5	N/A	0.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SPLP Cadmium	mg/L	0.005	N/A	0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SPLP Copper	mg/L	1.3	N/A	1.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SPLP Mercury	mg/L	0.002	N/A	0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SPLP Lead	mg/L	0.015	N/A	0.015	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Extractable Total Petroleum Hydrocarbons (ETPH)	mg/kg	500	500	N/A	292	162	102	91	132	144	58	84	94	125	ND<47.2	88	214	162	120	ND<56	75
SPLP ETPH	mg/l	N/A	N/A	0.25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (VOCs)																					
Acetone	ug/kg	14,000	500,000	N/A	ND<9.5	ND<10	33	39	38	16	ND<9.8	ND<12	ND<10	ND<12	ND<12	ND<13	ND<10	ND<12	ND<9.8	---	ND<170
2-Butanone (MEK)	ug/kg	8,000	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	6.4	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<29
Bromomethane	ug/kg	70	34,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
Ethylbenzene	ug/kg	10,100	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
Isopropylbenzene	ug/kg	500	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
n-Propylbenzene	ug/kg	1,000	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
sec-Butylbenzene	ug/kg	7,000	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
n-Butylbenzene	ug/kg	7,000	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
1,3,5-Trimethylbenzene	ug/kg	2,800	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
1,2,4-Trimethylbenzene	ug/kg	2,800	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
Naphthalene	ug/kg	5,600	1,000,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
Xylenes	ug/kg	19,500	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
Polychlorinated Biphenyls (PCBs)	ug/kg	0.0005	1	N/A	ND<0.0273	ND<0.0284	ND<0.0280	ND<0.0268	ND<0.0283	ND<0.0286	ND<0.0279	ND<0.0278	ND<0.0267	0.0333	ND<0.0277	ND<0.0276	ND<0.0283	ND<0.0289	ND<0.0267	---	ND<0.058
Polyaromatic Hydrocarbons (PAHs)																					
2-Methylnaphthalene	ug/kg	560	270,000	N/A	ND<562	ND<574	ND<570	ND<552	ND<582	ND<570	ND<564	ND<564	ND<539	ND<557	ND<557	ND<558	ND<560	ND<581	ND<537	ND<220	ND<230
Acenaphthene	ug/kg	8,400	1,000,000	N/A	ND<562	ND<574	ND<570	ND<552	**40,300**	ND<570	ND<564	ND<564	ND<539	ND<557	ND<557	ND<558	ND<560	ND<581	ND<537	190	ND<120
Acenaphthylene	ug/kg	8,400	1,000,000	N/A	ND<562	ND<574	ND<570	ND<552	1,100	ND<570	ND<564	ND<564	784	ND<557	ND<557	ND<558	ND<560	ND<581	ND<537	150	210
Anthracene	ug/kg	40,000	1,000,000	N/A	ND<562	ND<574	ND<570	ND<552	**93,700**	778	ND<564	ND<564	1,330	ND<557	ND<557	ND<558	ND<560	1,660	728	540	260
Benzo(a)anthracene	ug/kg	1,000	1,000	N/A	590	643	**1,170**	938	**142,000**	**1,840**	**1,450**	880	**3,060**	**1,150**	708	**1,390**	872	**4,070**	**1,980**	**1,400**	**1,000**
Benzo(a)pyrene	ug/kg	1,000	1,000	N/A	ND<562	613	**1,180**	875	**121,000**	**1,530**	**1,260**	719	**2,370**	939	648	**1,010**	667	**2,860**	**1,380**	**1,400**	**1,200**
Benzo(b)fluoranthene	ug/kg	1,000	1,000	N/A	579	664	**1,150**	832	**111,000**	**1,580**	**1,360**	749	**2,330**	940	711	**1,070**	784	**3,050**	**1,430**	**1,700**	**1,400**
Benzo(ghi)perylene	ug/kg	1,000	1,000	N/A	ND<562	ND<574	716	674	**72,100**	869	771	ND<564	1,330	581	ND<557	586	ND<560	**1,690**	851	880	890
Benzo(k)fluoranthene	ug/kg	1,000	8,400	N/A	ND<562	ND<574	908	728	**100,000**	**1,250**	**1,150**	683	**1,940**	872	661	916	612	**2,200**	**1,250**	640	570
Carbazole	ug/kg	200	31,000	N/A	ND<562	ND<574	ND<570	ND<552	**43,500**	ND<570	ND<564	ND<564	ND<539	ND<557	ND<557	ND<558	ND<560	ND<581	ND<537	---	---
Chrysene	ug/kg	1,000	84,000	N/A	633	761	1,190	996	**128,000**	1,970	1,550	942	2,980	1,230	956	**1,440**	985	**3,800**	**1,940**	1,500	1,200
Dibenzo(a,h)anthracene	ug/kg	1,000	1,000	N/A	ND<562	ND<574	ND<570	ND<552	ND<582	ND<570	ND<564	ND<564	ND<539	ND<557	ND<557	ND<558	ND<560	689	ND<537	230	200
Dibenzofurane	ug/kg	200	68,000	N/A	ND<562	ND<574	ND<570	ND<552	**35,600**	ND<570	ND<564	ND<564	ND<539	ND<557	ND<557	ND<558	ND<560	ND<581	ND<537	---	---
Fluoranthene	ug/kg	5,600	1,000,000	N/A	1,250	1,490	2,020	2,130	**113,000**	4,110	2,770	1,700	**7,490**	1,980	1,550	2,560	1,760	**7,730**	3,730	3,300	2,100
Fluorene	ug/kg	5,600	1,000,000	N/A	ND<562	ND<574	ND<570	ND<552	**53,000**	ND<570	ND<564	ND<564	ND<539	ND<557	ND<557	ND<558	ND<560	ND<581	ND<537	220	ND<120
Indeno(1,2,3-cd)pyrene	ug/kg	1,000	1,000	N/A	ND<562	ND<574	790	663	**77,000**	957	815	ND<564	**1,450**	615	ND<557	624	ND<560	**1,840**	930	730	680
Naphthalene	ug/kg	5,600	1,000,000	N/A	ND<562	ND<574	ND<570	ND<552	**54,000**	ND<570	ND<564	ND<564	ND<539	ND<557	ND<557	ND<558	ND<560	ND<581	ND<537	ND<110	ND<120
Phenanthrene	ug/kg	4,000	1,000,000	N/A	700	772	981	1,090	**107,000**	**4,070**	1,310	871	ND<539	832	861	1,660	892	**4,510**	3,370	2,000	820
Pyrene	ug/kg	4,000	1,000,000	N/A	1,040	1,290	1,890	1,710	**219,000**	3,760	2,720	1,620	**6,140**	1,900	1,610	2,390	1,690	**6,330**	3,560	2,500	1,800
SPLP PAHs																					
Phenanthrene	ug/l	N/A	N/A	200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pesticides																					
4,4-DDD	ug/kg			N/A	ND<1.82	ND<2.81	19.9	ND<1.79	ND<1.89	ND<1.89	ND<2.76	ND<2.75	ND<2.64	ND<2.76	ND<2.74	ND<2.74	ND<1.87	ND<2.86	ND<2.64	ND<0.56	ND<0.58
4,4-DDE	ug/kg	3	1,800	N/A	ND<1.82	ND<2.81	ND<2.77	ND<1.79	ND<1.89	ND<1.89	ND<2.76	ND<2.75	ND<2.64	3.18	ND<2.74	ND<2.74	ND<1.87	ND<2.86	ND<2.64	6.9	6.7
4,4-DDT	ug/kg			N/A	3.11	ND<2.81	2.93	3.37	2.43	2.84	ND<2.76	4.18	5.39	5.67	6.31	ND<2.74	ND<1.87	ND<2.86	ND<2.64	8.6	11
Chlordane	ug/kg	66	490	N/A	ND<24.3	ND<37.5	ND<36.9	ND<23.8	ND<25.2	ND<25.2	ND<36.8	ND<36.7	ND<35.2	ND<36.8	ND<36.6	ND<36.5	51.8	ND<38.2	ND<35.3	120	100
Dieldrin	ug/kg	7	38	N/A	ND<1.82	ND<2.81	ND<2.77	ND<1.79	ND<1.89	ND<1.89	ND<2.76	ND<2.75	ND<2.64	2.87	ND<2.74	ND<2.74	ND<1.87	ND<2.86	ND<2.64	2.3	3
SPLP Pesticides																					
4,4-DDD	ug/l	N/A	N/A		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4,4-DDE	ug/l	N/A	N/A	0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4,4-DDT	ug/l	N/A	N/A		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlordane	ug/l	N/A	N/A	0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	ug/l	N/A	N/A	0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 2

SYCAMORE STREET DEVELOPMENT
0, 4 6 SYCAMORE STREET
TRUMBULL, CONNECTICUT

Summary of Analytical Results of Soil Samples

	Units	Regulatory Criteria GA-PMC	R-DEC	GWPC	TP-3 (2')	TP-3 (5.5')	TP-4 (5')	TP-5 (3.5')	TP-6 (2')	TP-6 (4.5')	TP-7 (3.5')	TP-8 (3.5')	TP-8 (6.5')	TP-9 (1.5')	TP-9 (4')	TP-10 (3')	TP-11 (1.5')	TP-11 (6')	TP-12 (2')	TP-13 (1.5')	TP-13 (5')	TP-13	B1 (1-2')	B1 (10-11')
Total Metals																								
Arsenic	mg/kg	N/A	10	N/A	5.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	mg/kg	N/A	4,700	N/A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	mg/kg	N/A	34	N/A	ND<0.54	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	mg/kg	N/A	3,900	N/A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	mg/kg	N/A	2,500	N/A	24	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	mg/kg	N/A	400	N/A	46	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	mg/kg	N/A	20	N/A	ND<0.14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	mg/kg	N/A	1,400	N/A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	mg/kg	N/A	20,000	N/A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SPLP Metals																								
SPLP Arsenic	mg/L	0.5	N/A	0.5	---	---	ND<0.009	---	---	ND<0.009	ND<0.009	---	---	---	---	---	ND<0.009	---	---	---	ND<0.009	---	---	---
SPLP Cadmium	mg/L	0.005	N/A	0.005	---	---	ND<0.005	---	---	ND<0.005	ND<0.005	---	---	---	---	---	ND<0.005	---	---	---	ND<0.005	---	---	---
SPLP Copper	mg/L	1.3	N/A	1.3	---	---	ND<0.04	---	---	ND<0.04	0.083	---	---	---	---	---	ND<0.04	---	---	---	ND<0.04	---	---	---
SPLP Mercury	mg/L	0.002	N/A	0.002	---	---	ND<0.002	---	---	ND<0.002	ND<0.002	---	---	---	---	---	ND<0.002	---	---	---	ND<0.002	---	---	---
SPLP Lead	mg/L	0.015	N/A	0.015	---	---	ND<0.013	---	---	**0.021**	**0.023**	---	---	---	---	---	**0.021**	---	---	---	**0.016**	---	---	---
Extractable Total Petroleum Hydrocarbons (ETPH)	mg/kg	500	500	N/A	97	ND<57	---	---	---	---	180	370	**740**	---	110	---	---	---	---	360	350	460	120	430
SPLP ETPH	mg/l	N/A	N/A	0.25	---	---	---	---	---	---	---	---	ND<0.1	---	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (VOCs)																								
Acetone	ug/kg	14,000	500,000	N/A	ND<230	---	---	---	ND<200	---	ND<220	---	---	---	---	---	---	---	---	ND<4700	ND<4300	ND<170	---	---
2-Butanone (MEK)	ug/kg	8,000	500,000	N/A	ND<38	---	---	---	ND<33	---	ND<36	---	---	---	---	---	---	---	---	ND<790	ND<710	ND<28	---	---
Bromomethane	ug/kg	70	34,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	**570**	**400**	ND<5.7	---	---
Ethylbenzene	ug/kg	10,100	500,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	ND<160	ND<140	9.5	---	---
Isopropylbenzene	ug/kg	500	500,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	ND<160	ND<140	20	---	---
n-Propylbenzene	ug/kg	1,000	500,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	ND<160	ND<140	37	---	---
sec-Butylbenzene	ug/kg	7,000	500,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	ND<160	ND<140	60	---	---
n-Butylbenzene	ug/kg	7,000	500,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	ND<160	ND<140	29	---	---
1,3,5-Trimethylbenzene	ug/kg	2,800	500,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	ND<160	180	190	---	---
1,2,4-Trimethylbenzene	ug/kg	2,800	500,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	ND<160	360	350	---	---
Naphthalene	ug/kg	5,600	1,000,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	340	ND<140	42	---	---
Xylenes	ug/kg	19,500	500,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	ND<160	ND<140	221	---	---
Polychlorinated Biphenyls (PCBs)	ug/kg	0.0005	1	N/A	---	---	---	---	---	ND<0.062	---	---	---	---	---	---	---	---	---	---	---	ND<0.055	---	---
Polyaromatic Hydrocarbons (PAHs)																								
2-Methylnaphthalene	ug/kg	560	270,000	N/A	ND<230	ND<230	---	ND<230	---	ND<240	ND<250	ND<230	ND<220	ND<230	290	ND<220	---	ND<230	ND<240	ND<230	---	**610**	ND<220	**580**
Acenaphthene	ug/kg	8,400	1,000,000	N/A	340	ND<110	---	ND<120	---	130	ND<130	ND<120	ND<110	ND<120	1100	ND<110	---	ND<110	ND<120	860	---	1,800	220	1,200
Acenaphthylene	ug/kg	8,400	1,000,000	N/A	190	ND<110	---	160	---	ND<120	ND<130	ND<120	ND<110	190	270	110	---	ND<110	340	190	---	310	ND<110	480
Anthracene	ug/kg	40,000	1,000,000	N/A	820	190	---	280	---	400	170	230	130	230	2200	280	---	310	240	2000	---	3,300	430	2,700
Benzo(a)anthracene	ug/kg	1,000	1,000	N/A	**1,800**	710	---	**1,200**	---	**1,400**	900	950	570	870	**4,200**	**1,100**	---	**1,500**	930	**4,700**	---	**7,800**	**1,100**	**5,600**
Benzo(a)pyrene	ug/kg	1,000	1,000	N/A	**1,900**	940	---	**1,300**	---	**1,500**	**1,100**	**1,100**	650	920	**4,200**	**1,200**	---	**1,700**	**1,200**	**4,600**	---	**7,700**	**1,200**	**5,200**
Benzo(b)fluoranthene	ug/kg	1,000	1,000	N/A	**2,400**	**1,200**	---	**1,600**	---	**1,800**	**1,700**	**1,400**	320	**1,200**	**4,800**	**1,500**	---	**2,200**	**1,600**	**5,200**	---	**8,900**	**1,400**	**6,200**
Benzo(ghi)perylene	ug/kg	1,000	1,000	N/A	**1,300**	900	---	920	---	980	960	790	550	600	**2,600**	790	---	**1,200**	830	**2,900**	---	**4,800**	760	**3,200**
Benzo(k)fluoranthene	ug/kg	1,000	8,400	N/A	810	380	---	620	---	680	550	480	320	450	1,900	630	---	810	660	2,000	---	8,900	630	2,400
Carbazole	ug/kg	200	31,000	N/A	---	---	---	---	---	180	---	---	---	---	---	---	---	220	---	---	---	---	---	---
Chrysene	ug/kg	1,000	84,000	N/A	2,000	890	---	1,300	---	1,600	1,300	1,100	730	950	4,000	1,200	---	**1,800**	1,300	**4,600**	---	**8,100**	**1,100**	**5,500**
Dibenzo(a,h)anthracene	ug/kg	1,000	1,000	N/A	300	170	---	230	---	240	190	200	110	150	660	200	---	280	200	730	---	**1,300**	190	860
Dibenzofurane	ug/kg	200	68,000	N/A	---	---	---	---	---	ND<120	---	---	---	---	---	---	---	ND<110	---	---	---	---	---	---
Fluoranthene	ug/kg	5,600	1,000,000	N/A	4,300	1,400	---	2,800	---	3,400	2,800	2,300	1,500	1,700	**8,400**	2,200	---	3,700	2,400	**9,600**	---	**16,000**	2,500	**11,000**
Fluorene	ug/kg	5,600	1,000,000	N/A	310	ND<110	---	ND<120	---	170	ND<130	ND<120	ND<110	ND<120	950	ND<110	---	ND<110	ND<120	730	---	1,400	180	1,600
Indeno(1,2,3-cd)pyrene	ug/kg	1,000	1,000	N/A	1,000	600	---	740	---	800	750	630	390	470	2,100	650	---	960	650	**2,400**	---	**4,000**	620	**2,600**
Naphthalene	ug/kg	5,600	1,000,000	N/A	ND<110	ND<110	---	ND<120	---	ND<120	ND<130	ND<120	ND<110	ND<120	770	ND<110	---	ND<110	ND<120	350	---	1,100	ND<110	690
Phenanthrene	ug/kg	4,000	1,000,000	N/A	3,100	630	---	1,100	---	1,800	940	990	670	760	6,700	940	---	1,800	1,100	**6,900**	---	**13,000**	1,700	**9,500**
Pyrene	ug/kg	4,000	1,000,000	N/A	3,300	1,200	---	2,200	---	2,700	2,000	1,800	1,100	1,500	6,600	1,800	---	2,800	2,100	**7,700**	---	**13,000**	2,000	**9,900**
SPLP PAHs																								
Phenanthrene	ug/l	N/A	N/A	200	---	---	ND<0.077	---	---	ND<0.077	ND<0.077	---	---	---	ND<0.077	---	ND<0.077	---	---	---	0.38	0.61	---	---
Pesticides																								
4,4-DDD	ug/kg			N/A	ND<0.56	---	---	---	---	ND<0.62	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4,4-DDE	ug/kg	3	1,800	N/A	3.6	---	---	---	---	4.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4,4-DDT	ug/kg			N/A	7.5	---	---	---	---	9.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlordane	ug/kg	66	490	N/A	160	---	---	---	---	90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	ug/kg	7	38	N/A	2.4	---	---	---	---	2.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SPLP Pesticides																								
4,4-DDD	ug/l	N/A	N/A		---	---	ND<0.001	---	---	---	ND<0.001	---	---	---	---	---	ND<0.001	---	---	---	ND<0.001	---	---	---
4,4-DDE	ug/l	N/A	N/A	0.1	---	---	ND<0.001	---	---	---	ND<0.001	---	---	---	---	---	ND<0.001	---	---	---	ND<0.001	---	---	---
4,4-DDT	ug/l	N/A	N/A		---	---	ND<0.001	---	---	---	ND<0.001	---	---	---	---	---	ND<0.001	---	---	---	ND<0.001	---	---	---
Chlordane	ug/l	N/A	N/A	0.3	---	---	ND<0.2	---	---	---	ND<0.2	---	---	---	---	---	ND<0.2	---	---	---	ND<0.2	---	---	---
Dieldrin	ug/l	N/A	N/A	0.002	---	---	ND<0.002	---	---	---	ND<0.002	---	---	---	---	---	ND<0.002	---	---	---	ND<0.002	---	---	---

Notes:
R-DEC: Residential Direct Exposure Criteria
GA-PMC: GA Pollutant Mobility Criteria
GWPC: Groundwater Protection Criteria
mg/kg: milligrams per kilogram
mg/L: milligrams per liter
ug/kg: micrograms per kilogram
ug/L: micrograms per liter
N/A: Not applicable
ND<: Not detected above laboratory reporting criteria
---: Criteria not analyzed
Bold: Exceeds one or more criterion

Table 3

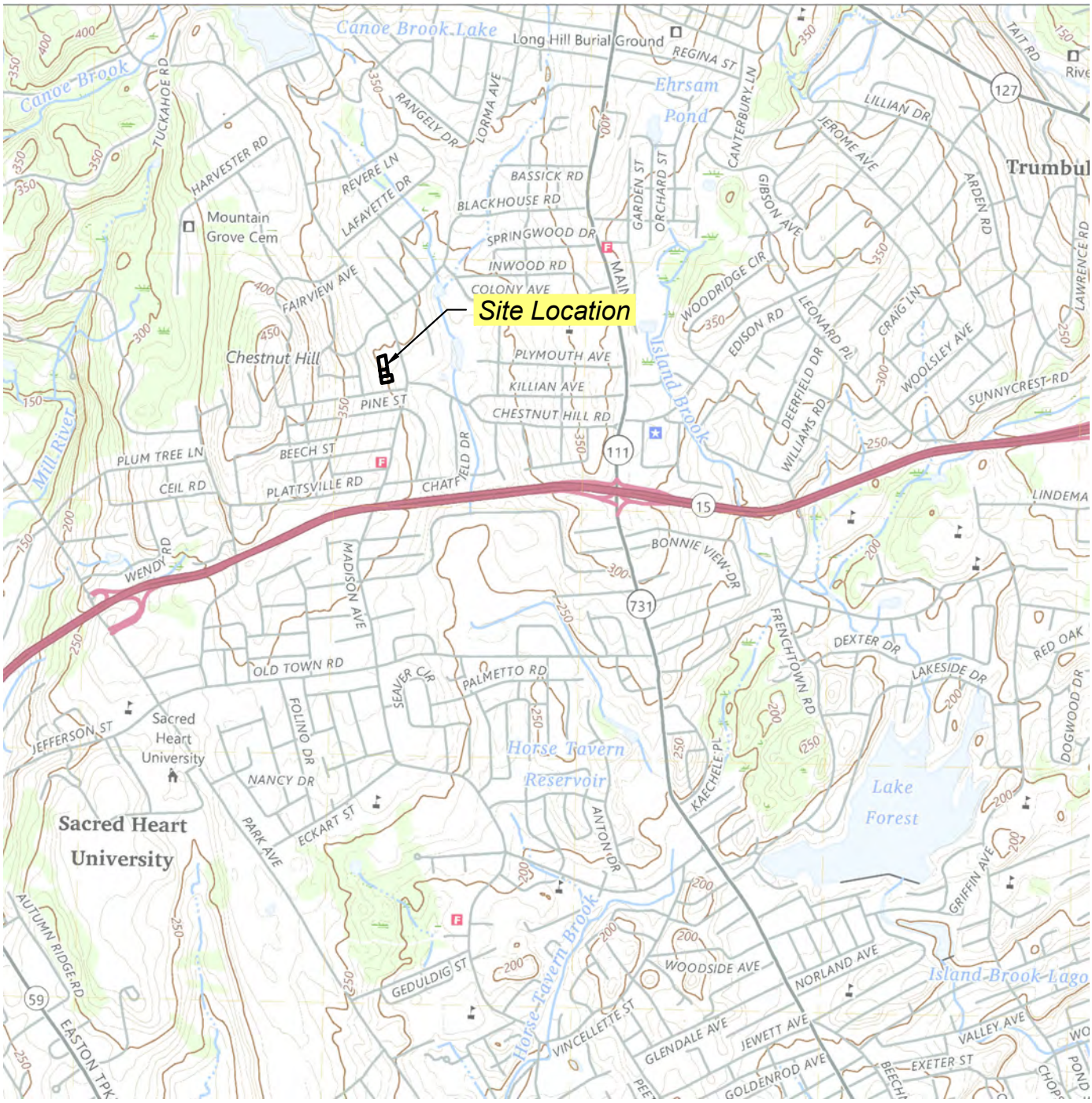
SYCAMORE STREET DEVELOPMENT
0, 4 6 SYCAMORE STREET
TRUMBULL, CONNECTICUT

Summary of Analytical Results of Groundwater Samples

	Units	Regulatory Criteria GWPC	R-VC	SWPC	MW-1 12/3/2025	MW-2 12/3/2025
Total Metals						
Arsenic	mg/L	0.05	N/A	0.004	ND<0.004	ND<0.004
Cadmium	mg/L	0.005	N/A	0	ND<0.005	ND<0.005
Copper	mg/L	1.3	N/A	0.048	ND<0.04	ND<0.04
Lead	mg/L	0.015	N/A	0.013	ND<0.013	ND<0.013
Nickel	mg/L	0.1	N/A	0.88	ND<0.05	ND<0.05
Extractable Total Petroleum Hydrocarbons (ETPH)	mg/L	0.25	NE	0.25	ND<0.1	**0.37**
Volatile Organic Compounds (VOCs)	ug/L	Various			ND<1.0	ND<1.0
Pesticides	ug/L	Various			ND	ND
Polyaromatic Hydrocarbons (PAHs)	ug/L	Various			ND	ND

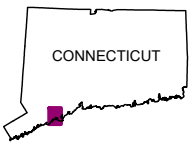
Notes:
mg/L: milligram per liter
ug/L: micrograms per liter
NE: Criteria not established
NA: Constituent not analyzed
ND<: not detected above laboratory reporting limits
GWPC: Groundwater Protection Criteria
SWPC: Surface Water Protection Criteria

FIGURES



SOURCE: USGS TOPOGRAPHIC QUDRANGLE BRIDGEPORT CONNECTICUT (2024).





QUADRANGLE LOCATION

LEGEND

PROPERTY BOUNDARY

0 2000

SCALE IN FEET

WSP USA Inc.
6 Research Drive
Suite 260
Shelton, Connecticut 06484
(203) 929-8555

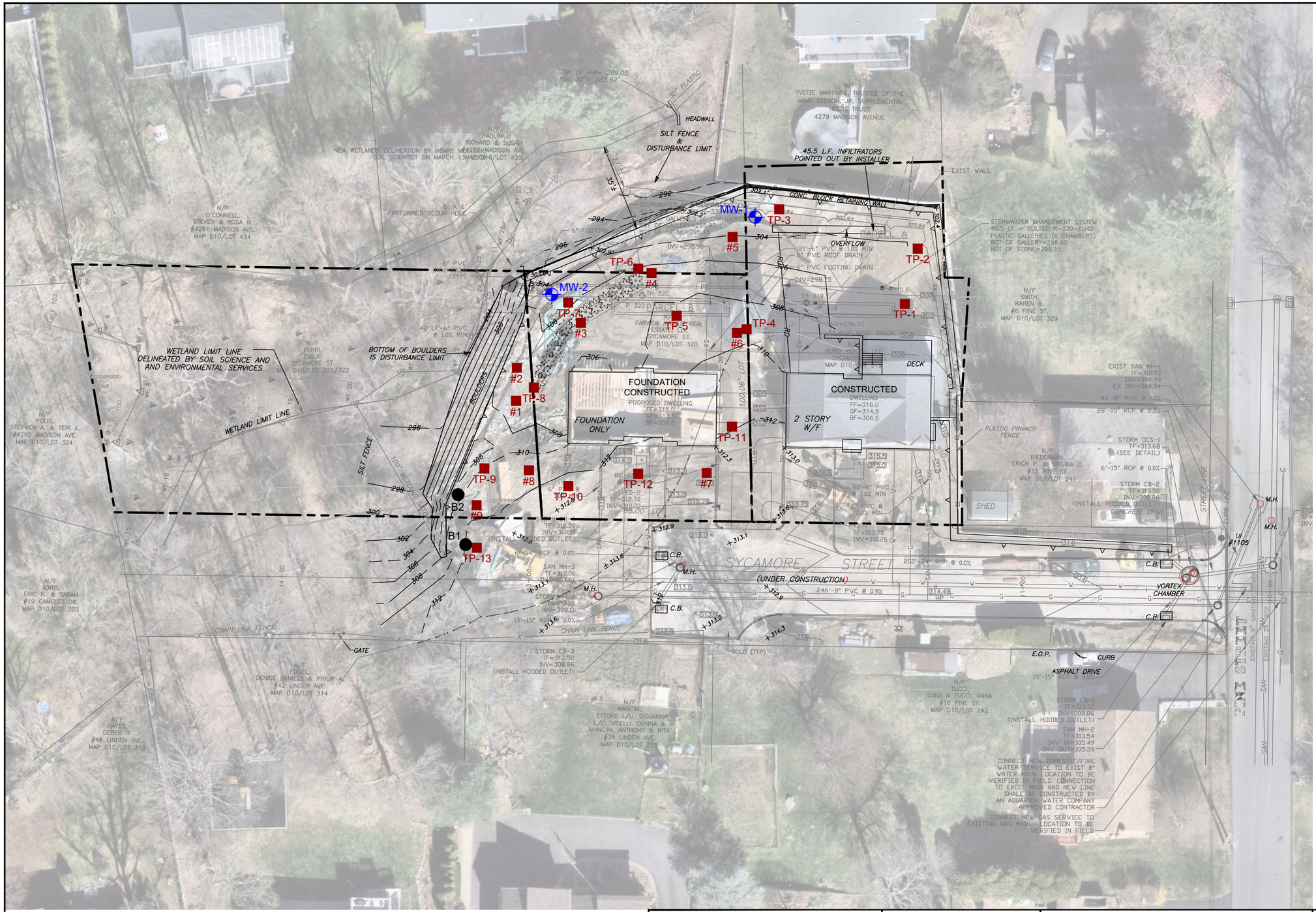
Sycamore Street Development
0, 4 & 6 Sycamore Street
Trumbull, Connecticut

SITE LOCATION MAP

FIGURE 1

DWG Date: 12/15/25
Checked: DJ
Approved: DJ
Drawn By: RAC
A

O:\DWG\Town of Trumbull\Sycamore St Development\F1_SLM.dwg, A, 12/15/2025 12:36:20 PM



LEGEND

- PROPERTY BOUNDARY
- TEST PIT LOCATION
- MONITOR WELL LOCATION
- BORING LOCATION

B

SOURCE:
1. PEREIRA ENGINEERING, LLC "PROPOSED SITE DEVELOPMENT PLANS, GRADING AND UTILITIES PLAN" SHEET 2 OF 7, DATED MAY 19, 2015 (PDF).

0 40
SCALE IN FEET

WSP USA Inc.
6 Research Drive
Suite 260
Shelton, Connecticut 06484
(203) 929-8555

Drawn By:	RAC
Checked:	DJ
Approved:	DJ
DWG Date:	12/15/25

Sycamore Street Development
0, 4 & 6 Sycamore Street
Trumbull, Connecticut

SITE PLAN

FIGURE 2

APPENDIX I

Connecticut Department of
ENERGY &
ENVIRONMENTAL
PROTECTION

79 Elm Street • Hartford, CT 06106-5127 www.ct.gov/deep Affirmative Action/Equal Opportunity Employer

General Permit for Contaminated Soil and/or Sediment Management (Staging and Transfer)

Issuance Date: September 20, 2013
Expiration Date: September 19, 2018

Bureau of Materials Management and Compliance Assurance
Waste Engineering and Enforcement Division
79 Elm Street, Hartford, CT 06106-5127
860-424-3366

General Permit for Contaminated Soil and/or Sediment Management (Staging and Transfer)

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General Permit for Contaminated Soil and/or Sediment Management (Staging and Transfer)

Section 1. Authority

This general permit is issued under the authority of sections 22a-133z and 22a-208a of the Connecticut General Statutes.

Section 2. Definitions

As used in this general permit:

"Activity" means the process of staging, temporarily storing, or transferring, contaminated soil and/or sediment at an authorized site (Staging, Transfer and/or Temporary Storage Area).

"Approval of registration" means an approval of registration issued under this general permit.

"Aquifer Protection Area" (APA) means aquifer protection area as defined in section 22a-354h of the General Statutes.

"Authorized activity" means any activity authorized by this general permit.

"Commissioner" means the commissioner as defined by section 22a-2(b) of the General Statutes.

"Contaminated soil and/or sediment" means treated or untreated soil and/or sediment affected by a known or suspected release and determined, or reasonably expected to contain substances exceeding Residential Direct Exposure Criteria or GA Pollutant Mobility Criteria, as these terms are defined in section 22a-133k-1 of the Regulations of Connecticut State Agencies.

"Day" means the calendar day; if any date specified in the general permit falls on a Saturday, Sunday, or legal holiday, such deadline shall be the next business day thereafter.

"Department" means the Department of Energy and Environmental Protection.

"Disposal" means disposal as defined in section 22a-207(6) of the General Statutes.

"Facility" means transfer station as defined in section 22a-207(10) of the General Statutes.

"Facility storage" means the combined volume of all contaminated soil and/or sediment stored at the facility at any single point in time.

"Facility throughput" means the combined weight of all contaminated soil and/or sediment and incidental excavation waste introduced into or leaving the facility during a specified period of time.

"Hazardous waste" means hazardous waste as identified or listed as hazardous wastes in accordance with section 3001 of the Federal Resource Conservation Recovery Act of 1976 (42 USC section 6901) and section 22a-449(c)-101 of the Regulations of Connecticut State Agencies.

"Incidental excavation waste" means any material other than soil, sediment, or other material that does not meet the definition of clean fill as defined in section 22a-209-1 of the Regulations of Connecticut State Agencies generated during excavation activities.

"Individual permit" means a permit issued to a named permittee under section 22a-208a of the General Statutes.

"Permittee" means a person who is authorized by this general permit to stage, transfer, and temporarily store contaminated soil and/or sediment.

"Person" means person as defined by section 22a-2(c) of the General Statutes.

"Registrant" means a person who files a registration pursuant to Section 4 of this general permit.

"Registration" means a registration form filed with the commissioner pursuant to Section 4 of this general permit.

"Release" means release as defined in section 22a-133k-1(a) of the Regulations of Connecticut State Agencies.

"Sediment" means sediment as defined in section 22a-133k-1(a) of the Regulations of Connecticut State Agencies.

"Site" means geographically contiguous property on which an authorized activity takes place or on which an activity for which authorization is sought under this general permit is proposed to take place. Non-contiguous properties owned or leased by the same person and connected by a right-of-way, which such person controls, shall be deemed the same site.

"Soil" means soil as defined in section 22a-133k-1(a) of the Regulations of Connecticut State Agencies.

"Solid waste" means solid waste as defined in section 22a-207 of the General Statutes.

"Solid waste facility" means solid waste facility as defined in section 22a-207 of the General Statutes.

"Staging" and/or "Storage" means the holding of a solid waste not in transit for a temporary period of time, at the end of which the solid waste is recycled, disposed, or stored elsewhere.

Section 3. Authorization Under This General Permit

(a) Eligible Activities

Provided the requirements of subsection (b) of this section are satisfied, this general permit authorizes the staging, transfer, and temporary storage of contaminated soil and/or sediment for a period not to exceed two years. This general permit applies only to activities conducted on land.

Note: This general permit *does not* authorize the treatment (reduction of contaminants via physical removal, dilution, chemical stabilization, etc.) of or any specific reuse of contaminated soil and/or sediment.

(b) Requirements for Authorization

This general permit authorizes the activities listed in subsection (a) of this section provided:

(1) Registration

(A) Except as provided in Sections 4(a)(1) and 4(a)(3) of this general permit, a completed registration with respect to such activity has been filed with the commissioner.

(B) Except as provided in Sections 4(a)(1) and 4(a)(2) of this general permit, a completed registration with respect to such activity has been filed with the commissioner and the commissioner has issued an approval of registration with respect to such activity.

(2) Coastal Area Management

Such activity is consistent with all applicable goals and policies in section 22a-92 of the General Statutes and will not cause adverse impacts to coastal resources as defined in section 22a-93 of the General Statutes.

(3) Endangered and Threatened Species

Such activity does not threaten the continued existence of any species listed pursuant to section 26-306 of the General Statutes as endangered or threatened and will not result in the destruction or adverse modification of habitat essential to such species.

(4) Aquifer Protection

Such activity shall not be conducted within an Aquifer Protection Area except for the staging and/or temporary storage of less than 10,000 cubic yards of contaminated soil and/or sediment at the site of origin (see Section 4(a)(2) of this general permit for additional registration requirements that apply in such instances).

(5) Stream Channel Encroachment

Such activity shall not create an obstruction or hindrance riverward of Stream Channel Encroachment Lines that will have an adverse effect on the flood heights, flood carrying and water capacity of the waterways and floodplains.

(6) Flood Management

Such activity shall be consistent with all applicable standards and criteria established in sections 25-68d(b) of the General Statutes and sections 25-68h-1 through 25-68h-3, inclusive, of the Regulations of Connecticut State Agencies.

(c) Geographic Area

This general permit applies throughout the State of Connecticut.

(d) Effective Date and Expiration Date of this General Permit

This general permit is effective on the date it is issued by the commissioner and expires five (5) years from such date of issuance.

(e) Effective Date and Expiration Date of Authorization

(1) For an ***activity that is exempt from the requirement to file a registration as specified in Section 4(a)(1) of this general permit***, such activity is authorized by this general permit on the date the general permit becomes effective *or* on the date the staging, transfer and temporary storage activities commence, *whichever is later* and expires two years from such date *or* on the date this general permit expires, *whichever is sooner*.

(2) For an ***activity that is required to file a registration as specified in Section 4(a)(2) of this general permit***, such activity is authorized by this general permit on the date the commissioner receives a completed registration with respect to such activity and expires two years from the date the staging, transfer and temporary storage activities commence *or* on the date this general permit expires, *whichever is sooner*.

(3) For an ***activity that is required to file a registration and obtain an approval of registration as specified in Section 4(a)(3) of this general permit***, such activity is authorized by this general permit on the date the commissioner issues an approval of registration with respect to such activity and expires two years from the date the staging, transfer and temporary storage activities commence *or* on the date this general permit expires, *whichever is sooner*.

(f) Revocation of an Individual Permit

If an activity meets the requirements of authorization of this general permit and such activity is presently authorized by an individual permit, the existing individual permit may be revoked by the commissioner upon a written request by the permittee. If the commissioner revokes such individual permit in writing, such revocation shall take effect on the effective date of authorization of such activity by this general permit.

(g) Issuance of an Individual Permit

If after the commissioner approves a registration under this general permit, the commissioner issues an individual permit authorizing the same activity authorized by such general permit approval, such general permit approval shall become null and void on the date such individual permit is issued.

Section 4. Registration Requirements

(a) Registration Requirements for Contaminated Soil and/or Sediment Staging, Transfer, and Temporary Storage Areas

All activities authorized under this general permit must be conducted ***in less than two years.*** If an activity requiring a registration as listed below is anticipated to exceed the two year time period, such activity must have its registration renewed.

(1) Who Does NOT Need to File a Registration

Any person who stages and/or temporarily stores **greater than 10 cubic yards but less than 1,000 cubic yards** of contaminated soil and/or sediment **at the site of excavation**, does not need to file a registration with the commissioner provided such activities are conducted in accordance with the operating conditions of Sections 5(a) and 5(b) *and* all other applicable conditions of this general permit.

Note: If such an activity is located in an Aquifer Protection Area, the local municipal Aquifer Protection Agency shall be notified in writing of such activity.

(2) Who Must File a Registration

(A) Any person seeking authorization under this general permit to conduct the following activities in an area that *is **not** located* in an Aquifer Protection Area, shall file with the commissioner, 1) a registration form which meets the requirements of Section 4 of this general permit and 2) the applicable fee.

- Stage and/or temporarily store **greater than or equal to 1,000 cubic yards and less than or equal to 10,000 cubic yards at any one time** of contaminated soil and/or sediment **at the site of excavation for a period exceeding 45 days in duration**.

- Transfer, stage, and/or temporarily store **greater than 10 cubic yards and less than or equal to 10,000 cubic yards at any one time** of contaminated soil and/or sediment **at a site other than the site of excavation** from which the soil and/or sediment originated.

(B) Any person seeking authorization under this general permit to stage and/or temporarily store **greater than 1,000 cubic yards and less than or equal to 10,000 cubic yards at any one time** of contaminated soil and/or sediment **at the site of excavation for a period exceeding 45 days in**

duration, and which subject site *is located* in an Aquifer Protection Area, shall file with the commissioner, 1) a registration form which meets the requirements of Section 4 of this general permit and 2) the applicable fee. Such person shall also notify in writing, the local municipal Aquifer Protection Agency.

(3) Who Must Obtain an Approval of Registration

Any person seeking authorization under this general permit to conduct the following activities in an area that *is **not** located* in an Aquifer Protection Area, shall file with the commissioner, 1) a registration form which meets the requirements of Section 4 of this general permit and 2) the applicable fee *and* shall obtain an approval of registration by the commissioner.

- Stage and/or temporarily store **greater than 10,000 cubic yards at any one time** of contaminated soil and/or sediment **at the site of excavation for a period exceeding 45 days in duration**.

- Transfer, stage, and/or temporarily store **greater than 10,000 cubic yards at any one time** of contaminated soil and/or sediment at a site other than the site of excavation from which the soil and/or sediment originated.

(4) Summary of Registration Requirements

Location	**Facility Storage**	**Activity**	**Required Action**
*On Site	Greater than 10 cy but less than 1,000 cy	Staging and/or storage	Comply with General Permit. No Registration.
*On Site	Greater than 1,000 cy but less than 10,000 cy	Staging and/or storage	Comply with General Permit and File a Registration.
On Site; not in an APA	Greater than 10,000 cy	Staging and/or storage	Comply with General Permit and Obtain an Approval of Registration.
Off Site; not in an APA	Greater than 10 cy but less than 10,000 cy	Transfer, staging, and/or storage	Comply with General Permit and File a Registration.
Off Site; not in an APA	Greater than 10,000 cy	Transfer, staging, and/or storage	Comply with General Permit and Obtain an Approval of Registration.

**** If the activity will be located in an Aquifer Protection Area (APA), the local municipal Aquifer Protection Agency must be notified in writing.***

(b) Scope of Registration

Any person shall register each activity, by site, for which such person seeks authorization under this general permit on a separate registration form that meets the requirements of Section 4 of this general permit.

(c) Contents of Registration

(1) **Registration Fees**

(A) A fee shall be submitted along with a registration form for any registration. A registration shall not be deemed complete and no activity shall be authorized by this general permit unless the fee has been paid in full.

(i) All activities requiring a **registration** pursuant to Section 4(a)(2) of this general permit: **$250.00**

(ii) All activities requiring a **renewal of registration** pursuant to Section 4(a)(2) of this general permit: **$250.00**

(iii) All activities requiring an **approval of registration** pursuant to Section 4(a)(3) of this general permit: **$1,500.00**

(iv) All activities requiring a **renewal of an approval of registration** pursuant to Section 4(a)(3) of this general permit: **$750.00**

Note: In accordance with section 22a-6(b) of the General Statutes, the fee for municipalities is fifty percent (50%) of the fee listed above.

(B) The registration fee shall be paid by check or money order payable to the **Department of Energy and Environmental Protection**.

(C) The registration fees are non-refundable.

(2) **Registration Form**

A registration shall be filed on a form prescribed and provided by the commissioner and shall include the following:

(A) Legal name, address, and telephone number of the registrant. If the registrant is an entity transacting business in Connecticut, and is required to register with the Connecticut Secretary of the State, provide the exact name as registered with the Connecticut Secretary of the State.

(B) Legal name, address, and telephone number of the owner of the property on which the subject activity is to occur.

(C) Legal name, address, and telephone number of the registrant's attorney or other representative, if applicable.

(D) Legal name, address, and telephone number of any consultant(s) or engineer(s) retained by the registrant to prepare the registration.

(E) Location of the site with respect to which the registration is submitted.

(F) Anticipated date of commencement of the subject contaminated soil and/or sediment staging, transfer, and temporary storage activities.

(G) An 8 1/2" by 11" copy of the relevant portion or a full-sized original of a United States Geological Survey (USGS) quadrangle map, with a scale of 1:24,000, showing the exact location of the site and the area within a one-mile radius of the site. Identify the quadrangle name and number on such copy.

(H) A registration requiring an approval, pursuant to Section 4(a)(3) of this general permit, must also include the following plans and documents, prepared in accordance with Section 4(c)(3) of this general permit:

(i) a Facility Site Plan,
(ii) a Facility Description,
(iii) a Facility Operations and Management Plan.

(I) A renewal of registration must provide the following additional information: status of the project, an explanation of why the project needs a renewal of registration, and the anticipated remaining duration of the activities being conducted.

(J) The signature of the registrant and of the individual or individuals responsible for actually preparing the registration, each of whom shall certify in writing as follows:

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute. I certify that this general permit registration is complete and accurate on forms as prescribed by the commissioner without alteration of their text."

(3) **Required Plans and Documents for Registrations Requiring an Approval**

The following plans and documents shall be prepared and submitted to the department by those registrants **requiring an approval** issued by the commissioner pursuant to Section 4(a)(3) of this general permit. Such plans and documents shall be prepared in accordance with the following, be available at the site of the subject facility and be maintained for review upon request by the Department.

(A) Facility Site Plan

The facility site plan shall provide a clear and detailed presentation of all topographical and man-made features at the subject facility site. The facility site plan shall also include a drawing showing the layout of the facility. The map or drawing(s) must, at a minimum show the following:

(i) map scale (scale must be at least 1 in. = 100 ft.);
(ii) map date;
(iii) a meridian arrow showing north;
(iv) contour sufficient to show surface water flow;
(v) property boundaries of the site.

(B) Facility Description

The facility description must include a detailed description of the facility including the nature and purpose of the excavation activities from which the contaminated soil will originate.

(C) Facility Operations and Management (O&M) Plan

The Facility Operation and Management Plan shall include at a minimum: a Soil Management Plan (that describes how the facility will track, sample, and maintain adequate separation between individual stockpiles of soil during characterization procedures), an Emergency and Preparedness Plan, and a description of the inspection and maintenance procedures for the subject Staging, Transfer, and/or Temporary Storage Area.

(4) **Revision of Required Plans and Documents for Registrations Requiring an Approval**

Whenever any significant or substantial facility or operational change is planned, the permittee shall update the Facility Site Plan, the Facility Description, and the Facility Operation and Management Plan as applicable for the subject facility. Such plans and documents shall be updated prior to making such changes to the facility and shall be submitted to the commissioner for the commissioner's review. The updated plans and documents shall be available at the site of the subject facility and shall be maintained for review upon request by the Department.

For the purpose of this subsection, 'significant or substantial' means any change to the facility that results in a new soil management configuration (i.e. the addition of new storage cells or pile staging areas) or results in a need for the maintenance of additional soil tracking information on the facility operational log.

(d) Where to File a Registration and Other Related Documents

(1) A registration shall be filed with the commissioner at the following address:

CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

(2) In addition to filing a registration with the commissioner, the registrant shall provide at the same time written notification to the chief elected official of the municipality and, if applicable pursuant to Section 4(a)(2)(B) of this general permit, to the municipal Aquifer Protection Agency, in which the subject facility is or will be located.

(e) Additional Information

The commissioner may require a registrant to submit additional information, which the commissioner reasonably deems necessary to evaluate the consistency of the subject activity with the requirements for authorization under this general permit.

(f) Action by Commissioner

(1) The commissioner may reject without prejudice a registration if the commissioner determines that it does not satisfy the requirements of Section 4(c) of this general permit or more than thirty (30) days have elapsed since the commissioner requested that the registrant submit additional information or the required fee and the registrant has not submitted such information or fee. Any registration refiled after such a rejection shall be accompanied by the fee specified in Section 4(c)(1) of this general permit.

(2) The commissioner may disapprove a registration if the commissioner finds that the subject activity is inconsistent with the requirements for authorization under Section 3 of this general permit, or for any other reason provided by law.

(3) Disapproval of a registration under this subsection shall constitute notice to the registrant that the subject activity may not lawfully be conducted or maintained without the issuance of an individual permit.

(4) The commissioner may approve a registration with reasonable conditions. If the commissioner approves a registration with conditions, the permittee shall be bound by such conditions as if they were a part of this general permit.

(5) Rejection, disapproval, or approval of a registration shall be in writing.

Section 5. Conditions of This General Permit

The permittee shall at all times continue to meet the requirements for authorization set forth in Section 3 of this general permit. In addition, the permittee shall ensure that activities authorized by this general permit are conducted in accordance with the following general conditions of Section 5(a) and the applicable specific conditions of Sections 5(b) and 5(c) of this general permit.

(a) General Operating Conditions for Staging, Transfer, and/or Temporary Storage Areas

(1) The permittee shall design, operate, maintain and repair the Staging, Transfer, and/or Temporary Storage Area in conformance with the requirements of this general permit.

(2) The permittee shall maintain a communications system capable of summoning fire, police, and/or other emergency service personnel.

(3) Unless exempt from the requirement to file a registration as specified in Section 4(a)(1) of this general permit, the permittee shall post and maintain a sign that is visible from a distance of at least 25 feet at the Staging, Transfer, and/or Temporary Storage Area entrance identifying, at the minimum, the name of the permittee, a contact phone number, the hours of operation, and the phrase 'Temporary Soil Staging Area'.

(4) The permittee shall take appropriate measures to prevent unauthorized entry onto the stockpiles. Appropriate control measures may be accomplished through the use of fences, gates, or other natural or artificial barriers.

(5) The permittee shall operate the Staging, Transfer, and/or Temporary Storage Area such that the receipt, unloading and processing, if applicable, of contaminated soil and/or sediment does not occur for periods longer than that which is consistent with the local zoning requirements, if applicable, of the municipality where the activity is occurring.

(6) During all periods of operation of the Staging, Transfer, and/or Temporary Storage Area, the permittee shall have sufficient personnel on site to inspect contaminated soil and/or sediment for the presence of incidental excavation wastes and materials and for any suspect contaminated soil and/or sediment that may contain hazardous wastes. The permittee shall comply with the following management standards regarding wastes:

(A) **Allowed Wastes and Materials**

This general permit authorizes only the management of contaminated soil and/or sediment, in the Staging, Transfer, and/or Temporary Storage Area.

(B) **Non Authorized Wastes and Materials**

This general permit does not authorize the management of materials or wastes other than contaminated soil and/or sediment. Management of contaminated soil and/or sediment that either contains or is considered to be hazardous waste is not authorized by this general permit.

(C) **Non Authorized Activities**

This general permit does not authorize the treatment (including but not limited to blending and/or mixing) of soil or sediment for the expressed purpose of diluting contaminants.

(D) **Incidental Excavation Waste**

Incidental excavation waste shall be: (1) separated to the satisfaction of the receiving facility or to an extent that renders the contaminated soil and/or sediment suitable for its intended reuse; (2) isolated and temporarily stored in a safe manner prior to off-site transport; and (3) disposed at a facility lawfully authorized to accept such waste. The maximum amount of incidental excavation waste stored at the Staging, Transfer, and/or Temporary Storage Area shall be as follows:

(i) Less than or equal to 10,000 cubic yards of contaminated soil and/or sediment - No more than 100 cubic yards of incidental excavation waste shall be stored at any one time.

(ii) Greater than 10,000 cubic yards of contaminated soil and/or sediment - No more than 1,000 cubic yards of incidental excavation waste shall be stored at any one time.

(E) **Hazardous Waste**

Hazardous waste inadvertently received at the Facility shall be: (1) promptly sorted, separated, and isolated; (2) recorded in the Site Operating Log required by Section 5(c)(1) of this general permit; and (3) managed in accordance with the conditions contained within section 22a-449(c)-100 through 119 of the Regulations of Connecticut State Agencies (Hazardous Waste Management Regulations).

(7) The permittee shall at all times take reasonable precautions to control fugitive dust emissions and odors in accordance with section 22a-174-18 and section 22a-174-23, respectively of the Regulations of Connecticut State Agencies.

(b) Specific Operating Conditions for Staging, Transfer, and/or Temporary Storage Areas

(1) **Erosion Controls**. The permittee shall place the soil stockpiles on a surface sufficiently impervious to prevent or minimize the transfer or infiltration of contaminants from the soil stockpiles to the ground and shall also securely cover any stockpiles of soil when the Staging, Transfer and/or Temporary Storage Area is not in use with an impervious material such as a tarp or other

equivalent material to control and minimize storm water run-on and run-off. Soil stockpiles shall be covered at the end of each operating day or at any time that the Staging, Transfer and/or Temporary Storage Area is unattended by the permittee. Run-on/run-off controls shall be consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control.

(2) **Dust Controls**. The permittee shall minimize wind erosion and dust transport from the stockpiles and the travel areas of the Staging, Transfer and/or Temporary Storage Area by ensuring that all necessary dust controls (tarps, dust suppressants, routine street sweeping, etc.) are implemented and maintained at all times during periods of operation.

(3) **Anti-Tracking**. The permittee shall employ anti-tracking measures (street sweepers, anti-tracking pads, etc.) at the Staging, Transfer and/or Temporary Storage Area to ensure that vehicles that have entered the Staging, Transfer and/or Temporary Storage Area do not track soils from the Staging, Transfer and/or Temporary Storage Area onto a public roadway at any time. Construction entrance anti-tracking pads shall be constructed in a manner that is consistent with the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control.

(4) **Characterization**. The permittee shall characterize each soil stockpile staged at the Staging, Transfer and/or Temporary Storage Area prior to transporting such stockpile for soil reuse or disposal. The permittee shall analyze soil obtained from representative samples collected from the media such that the permittee can reasonably determine whether such media does or does not exceed any applicable analytical performance standard (such as the Remediation Standard Regulations or a receiving facility's acceptance criteria). The permittee shall ensure that physical separation is maintained between previously sampled soil stockpiles (by means of concrete walls, aisle space, etc.) while awaiting the results of soil sample analyses. The permittee shall ensure that an independent laboratory certified by the Connecticut Department of Public Health for chemical testing performs the soil sample analyses used to characterize the soil.

(5) **Storage Cell/Pile Capacity and Placement**. Unless otherwise approved in writing by the commissioner as part of a site specific soil management plan, the permittee shall ensure that individual contaminated soil and/or sediment storage piles do not exceed a volume of 1,000 cubic yards and are maintained with a minimum distance of 12 feet from any property line (unless the stockpiles are staged at the site of excavation).

(6) **Transporter Practices**. The permittee shall instruct the transporters of contaminated soil and/or sediment of best management practices for the transportation of such soil (proper tarping of hauling dump bodies, removing loose material from dump body, etc.).

(7) **Queuing and Idling of Transport Vehicles**. The permittee shall: (a) control all traffic related to the operation of the facility in such a way as to mitigate the queuing of vehicles off-site and excessive or unsafe traffic impact in the area

where the facility is located; and (b) ensure that except as allowed in section 22a-174-18(b)(3)(C) of the Regulations of Connecticut State Agencies, trucks are not left idling for more than three (3) consecutive minutes.

(c) Record Keeping Requirements

(1) **Site Operating Log**. Unless exempt from the requirement to file a registration as specified in Section 4(a)(1) of this general permit, the permittee shall maintain a Site Operating Log for the duration of the authorized activities. The Site Operating Log shall include up-to-date records that clearly identify the origin of each soil stockpile placed at the Staging, Transfer and/or Temporary Storage Area; indicate the date such soils are received at the Staging, Transfer and/or Temporary Storage Area; list the specific Staging, Transfer and/or Temporary Storage Area storage cell, if applicable; indicate the date such soils are transported from the Staging, Transfer and/or Temporary Storage Area; and, indicate the final disposition (i.e. transportation to a soil processing facility or placement on the land) of such soils.

(2) **Records Retention**. Unless exempt from the requirement to file a registration as specified in Section 4(a)(1) of this general permit, the permittee shall maintain an up-to-date record of its operating activities during the entire operational period of the Staging, Transfer and/or Temporary Storage Area. At a minimum, the operating record shall include:

(A) Any initial site characterization data and information and a summary of the Contaminants of Concern (COCs) identified;

(B) The location of excavation activities where soils were generated and subsequently transported to the Staging, Transfer and/or Temporary Storage Area for additional sampling and characterization;

(C) An accounting of the total facility throughput including the quantity of soil (expressed in tons or cubic yards) shipped to and stored at the Staging, Transfer and/or Temporary Storage Area during sampling and characterization procedures;

(D) A statement describing each of the soil reuse, or disposal sites (facility name, location, and address) utilized and an accounting of the quantity of soil (expressed in tons or cubic yards) shipped to each;

(E) Certifications, site maps, the site operating log, and either a complete set of the soil sampling test results or a complete set of soil sampling summary tables, and;

(F) Any other data or documents required by this authorization.

The permittee shall retain the operating record at its place of business for a period of at least three years following the expiration of this permit and shall make such records available for review by the commissioner or the commissioner's designee upon request.

Section 6. General Conditions

(a) Reliance on Registration

When evaluating a registration, the commissioner relies on information provided by the registrant. If such information proves to be false or incomplete, the authorization issued under this general permit may be suspended or revoked in accordance with law, and the commissioner may take any other legal action provided by law.

(b) Duty to Correct and Report Violations

Upon learning of a violation of a condition of this general permit, the permittee shall immediately take all reasonable action to determine the cause of such violation, correct such violation and mitigate its results, prevent further such violation, and report in writing such violation and such corrective action to the commissioner within five (5) days of the permittee's learning of such violation. Such report shall be certified in accordance with Section 6(d) of this general permit.

(c) Duty to Provide Information

If the commissioner requests any information pertinent to the authorized activity or to determine compliance with this general permit, the permittee shall provide such information in writing within thirty (30) days of such request. Such information shall be certified in accordance with Section 6(d) of this general permit.

(d) Certification of Documents

Any document, including but not limited to any notice, which is submitted to the commissioner under this general permit shall be signed, as applicable, by the registrant or the permittee in accordance with section 22a-430-3(b)(2) of the Regulations of Connecticut State Agencies, and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows:

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with section 22a-6 of the General Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute."

(e) Date of Filing

For purposes of this general permit, the date of filing with the commissioner of any document is the date such document is received by the commissioner.

(f) False Statements

Any false statement in any information submitted pursuant to this general permit may be punishable as a criminal offense, in accordance with section 22a-6 of the General

Statutes, pursuant to section 53a-157b of the General Statutes, and in accordance with any other applicable statute.

(g) Correction of Inaccuracies

Within fifteen (15) days after the date a permittee becomes aware of a change in any of the information submitted pursuant to this general permit, becomes aware that any such information is inaccurate or misleading, or that any relevant information has been omitted, such permittee shall correct the inaccurate or misleading information or supply the omitted information in writing to the commissioner. Such information shall be certified in accordance with Section 6(d) of this general permit. The provisions of this subsection shall apply both while a request for approval of registration is pending and after the commissioner has approved such request.

(h) Transfer of Authorization

A registration or an approval of registration under this general permit is transferable only in accordance with the provisions of section 22a-6o of the General Statutes.

(i) Other Applicable Law

Nothing in this general permit shall relieve the permittee of the obligation to comply with any other applicable federal, state and local law, including but not limited to the obligation to obtain any other authorizations required by such law.

(j) Other Rights

This general permit is subject to and does not derogate any present or future rights or powers of the State of Connecticut and conveys no rights in real or personal property nor any exclusive privileges, and is subject to all public and private rights and to any federal, state, and local laws pertinent to the property or activity affected by such general permit. In conducting any activity authorized hereunder, the permittee may not cause pollution, impairment, or destruction of the air, water, or other natural resources of this state. The issuance of this general permit shall not create any presumption that this general permit should or will be renewed.

Section 7. Commissioner's Powers

(a) Abatement of Violations

The commissioner may take any action provided by law to abate a violation of this general permit, including the commencement of proceedings to collect penalties for such violation. The commissioner may, by summary proceedings or otherwise and for any reason provided by law, including violation of this general permit, revoke a permittee's authorization hereunder in accordance with sections 22a-3a-2 through 22a-3a-6, inclusive, of the Regulations of Connecticut State Agencies. Nothing herein shall be construed to affect any remedy available to the commissioner by law.

(b) General Permit Revocation, Suspension, or Modification

The commissioner may, for any reason provided by law, by summary proceedings or otherwise, revoke or suspend this general permit or modify it to establish any

appropriate conditions, schedules of compliance, or other provisions which may be necessary to protect human health or the environment.

(c) Filing of an Individual Permit Application

If the commissioner notifies a permittee in writing that such permittee must obtain an individual permit to continue lawfully conducting the activity authorized by this general permit, the permittee may continue conducting such activity only if the permittee files an application for an individual permit within thirty (30) days of receiving the commissioner's notice. While such application is pending before the commissioner, the permittee shall comply with the terms and conditions of this general permit and the subject approval of registration. Nothing herein shall affect the commissioner's power to revoke a permittee's authorization under this general permit at any time.

Issued Date: September 20, 2013

Macky McCleary

Deputy Commissioner

This is a true and accurate copy of the general permit executed on September 20, 2013 by the Department of Energy and Environmental Protection

SUBSURFACE INVESTIGATION REPORT
0, 4 & 6 SYCAMORE STREET
TRUMBULL, CONNECTICUT

TOWN OF TRUMBULL

PROJECT NO.: US0046963.0364
DATE: JANUARY 13, 2026

WSP USA
6 RESEARCH DRIVE, SUITE 260
SHELTON, CT 06484

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SIGNATURES

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Darrick F. Jones, LEP
Vice President

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1.0 INTRODUCTION

WSP USA Inc. (WSP) performed a subsurface investigation for the property located at and proximate to 0, 4 & 6 Sycamore Street in Trumbull, Connecticut (the "Site"). The investigation was completed on behalf of Town of Trumbull to evaluate and address recognized environmental conditions that have been identified by the Town of Trumbull Inland Wetlands and Watercourses Commission (Trumbull IWWC). The investigation has been completed in general accordance with the Connecticut Department of Energy & Environmental Protection (CTDEEP) Site Characterization Guidance Document. Ninety

The Site consists of three contiguous parcels of land as well as a proposed Town right of way known as Sycamore Steet situated north of Pine Street in Trumbull. The Site parcels are currently owned by Hurd Realty LLC and Fairview Avenue LLC and are undergoing residential development. The Trumbull IWWC identified site work that was inconsistent with the existing regulatory agency approvals. This included the construction of a retaining wall and certain filling and grading activities. Demolition debris and other deleterious materials were evident as a component of an estimated 13,500 cubic yards the fill, which was placed at the Site. A preliminary evaluation of the fill was completed by Fairfield Testing Laboratory which resulted in the detection of polynuclear aromatic hydrocarbons (PAHs) at concentrations that exceeded regulatory criteria. Other contaminants were detected including pesticides, extractable total petroleum hydrocarbons (ETPH), and metals that exceeded typical background conditions.

Our subsurface investigation was conducted to further evaluate the nature, degree, and extent of soil impacts and to evaluate if groundwater had been impacted by the low-quality fill that was placed at the Site. Our subsurface investigation program included: 1) advancement of 13 test pit excavations and four soil borings; 2) completion of two groundwater monitoring wells; and 3) collection and laboratory analyses of 22 soil samples and two groundwater samples. The subsurface investigations were performed under the supervision of a State of Connecticut Licensed Environmental Professional (LEP).

2.0 SITE LOCATION AND DESCRIPTION

The Site consists of three contiguous parcels of land that total 0.82-acres along with the proposed Sycamore Street right-of-way located north of Pine Street in Trumbull, Connecticut (Figure 1). The Site parcels are listed as 0, 4 & 6 Sycamore Street on the Trumbull Tax Assessor's property records and are more specifically identified as Map D/10, Lots 319, 320, and 321. The 4 Sycamore Street parcel is occupied by a vacant residential house and 6 Sycamore Street contains a dwelling foundation. The adjacent 0 Sycamore Street parcel consists of vacant land that includes an area that was reportedly filled by the developer.

3.0 BACKGROUND

The Site has largely consisted of undeveloped land prior to the construction of the dwelling at 4 Sycamore Street and the foundation at 6 Sycamore Street in 2024. A review of historical aerial photographs indicates that portions of the Site were cleared by 1985 and a dirt access road was visible from Pine Street by 2004. Materials and equipment were periodically staged at portions of the Site within aerial photographs from 2004 through 2024. The construction of some retaining walls and placement of fill was evident at portions of the Site by 2010.

The Trumbull IWWC identified site work associated with the development that was inconsistent with the existing regulatory agency approvals, as determined by the IWCC during a February 28, 2025 inspection. These activities included the construction of a retaining wall and filling and grading. Demolition debris and other deleterious materials were evident as a component of an estimated 13,500 cubic yards of the fill. Notably, portions of the retaining wall and filling extended onto an adjacent parcel identified as 4285 Madison Avenue.

A series of nine test pit excavations were completed within the fill at the Site on the 0 and 6 Sycamore Street parcels and the adjacent 4285 Madison Avenue parcel. A total of 15 soil samples collected from various depths within the test pit excavations on May 21, 2025 were submitted by Fairfield Testing Laboratory to York Analytical Laboratories on May 23, 2025 for laboratory analyses for volatile organic compounds (VOCs), semi-volatile organic compounds

(SVOCs), extractable total petroleum hydrocarbons (ETPH), polychlorinated biphenyls (PCBs), pesticides, and various metals. VOC detections were limited to trace concentrations of acetone and methyl ethyl ketone (MEK), which are both common laboratory artifacts. ETPH was detected in most samples at concentrations that were below relevant CTDEEP regulatory criteria. The concentrations of multiple polynuclear aromatic hydrocarbons (PAHs) and pesticides exceeded default regulatory criteria. Metals were detected at concentration that exceeded background concentrations that have been established by the CTDEEP and are not anticiapted to be naturally occurring.

4.0 ENVIRONMENTAL SETTING

4.1 Regional Physiography

The Site is located on the U.S. Geological Survey (USGS), Bridgeport, Connecticut topographical quadrangle. The Site topography slopes down from west to east across southern portions of the Site and down from southwest to northeast at northern portions of the Site. The portions of the Site that are under development are situated at approximately 302 to 314 feet above mean sea level (ft amsl). Undeveloped wood areas at northern portions of the Site slope down to depths of 290 to 298 ft amsl in the area of a brook that passes along the northeastern portions of the 0 Sycamore Street parcel.

4.2 Geologic Conditions

The surficial geology at the Site is mapped on the Surficial Material Map of Connecticut (Stone, 1992) along the divide between thick glacial till at western portions and sand and gravel at eastern portions. Bedrock at the Site and vicinity is mapped on the Bedrock Geologic Map of Connecticut (Rodgers, 1985) as the Straits Schist, which is described as a silvery to gray, coarse-grained schist.

4.3 Hydrologic Characteristics and Known Groundwater Uses

The closest surface water body is an unnamed brook that originates at Aldo Park, flows in a southerly direction through residential areas, passes along the eastern property line of the 0

Sycamore Steet parcel, and enters a containerized culvert at a parcel adjacent to 6 sycamore Street parcel. This unnamed brook is mapped as Class "A" (CTDEEP, 2006). A Class A surface water criteria indicates that it is known or presumed to meet the water quality criteria for one or more of the designated uses, which may include public water supply, habitat for fish and wildlife; recreation; navigation; and agricultural and industrial water usages.

The Site is located in an area that is classified by the Connecticut Department of Energy & Environmental Protection (CTDEEP) as class "GA" groundwater quality. This classification indicates that groundwater is considered a drinking water resource and is presumed to be suitable for drinking without pretreatment. Overburden groundwater was encountered at depths of approximately 14 to 19 feet below grade at eastern portions of the Site, and based on topography, was inferred to generally flow from west to the east; however, localized northerly and southerly flow components may be present at portions of the Site. An overburden groundwater was not encountered above presumed bedrock at western portions of the Site.

Public water supply is supplied to the Site and surrounding area by the Aquarion Water Company. The Connecticut Department of Public Health mapping does not identify any public or private water supply wells within 500 feet of the Site.

The CTDEEP Aquifer Protection Program web-based mapping series does not identify aquifer protection areas in within a one-quarter mile radius of the Site.

5.0 SCOPE OF INVESTIGATION

WSP performed subsurface investigation in November and December 2025 to further evaluate the quality of the fill placed at and the environmental conditions of the Site. Details pertaining to our investigation methods are presented below.

5.1 Sampling Rationale

Soil sampling locations were selected to expand upon the prior test pit sampling and analytical program completed by Fairfield Testing Laboratory. Our general intent was to expand upon the

areal coverage of the prior test pit program within the development assemblage and to resample certain areas to further evaluate the nature and degree of previously identified impacts. Overburden groundwater monitoring wells were also included within the scope of work to allow an evaluation of groundwater quality at downgradient portions of the Site. Notably, an overburden groundwater was not encountered above refusal on presumed bedrock at western portions of the Site in the area of borings B1 and B2.

Our laboratory analytical program was developed primarily by evaluating the results of the Fairfield Testing Laboratory analytical data, which included a wide range of potential constituents of concern (COCs). The detected COCs primarily included VOCs, PAHs, ETPH, pesticides, and various metals. A trace concentration of PCBs was also detected in one sample. Certain metals were detected at concentrations that exceeded background concentrations and thereby warranted further evaluation. Other metals detected by the Fairfield Testing Laboratory analytical program that were consistent with typical naturally occurring concentrations were excluded from our evaluation.

5.2 Test Pit Excavations and Soil Borings

WSP completed one day of test pit excavations at the Site on November 18, 2025, with an excavator supplied and operated by the property developer and Reef Environmental LLC (Reef). The test pit excavations were advanced to depths of 3 to 8 feet below grade. Soil samples were collected by hand from the excavation sidewalls or base or were collected from undisturbed soils within the excavation bucket from discrete depth intervals.

WSP completed one day of direct push soil borings at the Site on November 21, 2025, with Complete Environmental Services, LLC using a track mounted direct push drill rig. Soil samples were collected using dedicated 5-foot, disposable acetate liners. A total of four soil borings (MW-1, MW-2, B1, and B2) were advanced to depths of 15 to 28.5 feet below grade and were primarily intended to facilitate the installation of monitoring wells. Refusal on presumed bedrock was encountered at depths of 18 to 28.5 feet below grade. An overburden groundwater table was encountered at locations MW-1 and MW-2; however, groundwater was not encountered at

boring B1 and B2. Figure 2 depicts the locations of the soil borings.

The test pit and soil boring locations are depicted on Figure 2. The soil type, color, field estimation of moisture content, field instrument readings, evidence of soil contamination (staining, odors, etc.) and sampling intervals are provided in the geologic logs included as Appendix I. In general, subsurface soils consisted largely of sand, silt and gravel with trace amounts of asphalt. Petroleum odors were detected within the soils encountered in the area of test pit TP-8 and TP-13.

5.3 Soil Sampling/Analyses

Soil samples were labeled as TP-1 through TP-13 from test pit excavation and B1 from a soil boring and included the depth from where the sample was collected. A total of 22 samples of the fill materials were submitted for laboratory analyses. The geologic logs completed for field explorations, including the sampling intervals are included in Appendix I.

Sample collection methodology for VOCs consisted of a direct sample collection immediately after exposing the sample in accordance with procedures established by the "Guidance for Collecting and Preserving Soil and Sediment Samples for Laboratory Determination of Volatile Organic Compounds" (CTDEEP 2006). Sample containers were pre-labeled and, after adding the sampling time to the label, were immediately placed in an iced cooler. The collected soil samples were transported under chain of custody to Complete Environmental Testing (CET) for laboratory analyses.

5.4 Monitoring Well Installation

Complete Environmental Services completed two monitoring well at the Site on November 21, 2025. The wells were completed using direct push advancement and hollow-stem auger drilling with a Geoprobe rig. The wells were constructed with 10 feet of 1.5-inch prepacked slotted well screen installed at the bottom of the soil borings at 18 and 28 feet below grade. The wells were constructed with an approximate 1.5-inch PVC riser extending from the screen section to above the ground surface. The annulus surrounding the monitoring well was backfilled with filter sand

from the base of the screen to approximately 2 feet above the top of the screen. A lens of bentonite chips was placed over the sand for a seal followed by additional filter sand to approximate grade. The monitoring wells were finished with a protective steel standpipe set with a concrete collar. Well construction details are described on the geologic log included in Appendix I.

Groundwater depth measurements collected from the two monitoring wells on December 3, 2025 were tabulated into Table 1. Groundwater was encountered approximately 14 to 19 feet below grade and was inferred by topography to generally flow from the west to the east; however, localized variability is anticiapted at portions of the Site.

5.5 Groundwater Sampling

On December 3, 2025, the depth to groundwater was measured in the two newly installed monitoring wells (MW-1 and MW-2). Low flow sampling procedures were completed using a peristaltic pump with dedicated Tygon tubing and low-density polyethylene tubing. Groundwater quality parameters (pH, conductivity, turbidity, dissolved oxygen, temperature, and oxidation reduction potential) were monitored using a Horiba multi-parameter water quality meter with measurements recorded on a low flow sampling log (Appendix II). Groundwater samples were collected following parameter stabilization and preserved for laboratory analyses for VOCs, ETPH, pesticides, and total metals. The groundwater samples were placed in laboratory cleaned sample bottles, stored on ice, and transported under chain of custody to CET for laboratory analyses.

5.6 Quality Assurance/Quality Control Procedures

The CTDEEP Quality Assurance/Quality Control (QA/QC) Work Group finalized Reasonable Confidence Protocols (RCPs) in August 2006. These RCPs are guidelines for enhanced QA/QC procedures for analytical methods and reporting. The CTDEEP currently recommends that environmental professionals request that the laboratory follow the RCPs when producing data that is used as the basis of decisions regarding compliance with the RSRs. Our QA/QC data validation consisted of a review of Laboratory QA/QC Certification Form and confirmation of

attainment of data quality objectives (i.e., applicable regulatory criteria).

The laboratory analyses and reporting relied upon in making this work product were conducted and produced by CET. CET is a Connecticut Department of Public Health Certified Laboratory. The CET laboratory data report indicates compliance with the RCPs and the QA/QC procedures outlined in EPA 600/4-79-019, "Handbook for Analytical Quality in Water and Waste Water" and method QA/QC procedures from SW 846.

The results of our QA/QC procedures and analyses of the laboratory compliance with the RCPs have not identified any issues that would qualify the use of the environmental data generated by this investigation.

6.0 SUMMARY OF INVESTIGATION RESULTS

The following summarizes the environmental conditions identified at the Site and the results of our comparison of the Site conditions to the RSRs. Section 6.1 presents some specific conditions for applying the RSRs at the Site. Section 6.2 outlines the potential use of a conditional exemption from GA-PMC at the Site. Sections 6.3 and 6.4 discuss the soil and groundwater analytical results within the context of the RSRs. The current and former sampling locations are included on Figure 2. A comprehensive summary of soil and groundwater analytical data is presented in Tables 2 and 3. Copies of the laboratory analytical reports are presented in Appendix II.

6.1 Applying the Remediation Standard Regulations (RSRs)

The regulatory criteria within the RSRs are risk based cleanup standards promulgated to protect human health and the environment. Based on the environmental setting of the Site, the applicable regulatory criteria are summarized in the subsections below.

Direct Exposure Criteria (DEC)

Mass-based concentrations of contaminants in soil are used to evaluate compliance with the Direct Exposure Criteria (DEC). The purpose of the DEC standards is to protect human health

from risks associated with direct contact/ingestion of soil contaminants. The DEC are applicable to soil within 15 feet of the ground surface. Separate criteria are established for residential (R-DEC) and industrial/commercial (I/C-DEC) areas; however, use of the less stringent industrial/commercial standards requires recording an Environmental Use Restriction (EUR) on the land records prohibiting residential use of the property. The DEC standards do not apply to "inaccessible soils", which are defined as soils covered by a qualifying cap, or below an existing building, provided an EUR is in effect for the whole parcel or the area of the release. Given the proposed residential use of the Site, we have compared contaminant concentrations to the R-DEC.

GA Pollutant Mobility Criteria (GA-PMC)

Concentrations of contaminants in soil are also evaluated relative to the Pollutant Mobility Criteria (PMC). The purpose of the PMC standard is to evaluate the potential for contaminants to migrate from the soil and degrade the underlying groundwater. For most constituents, this evaluation can be performed by either: 1) using samples analyzed for total mass concentrations and comparing directly to PMC values presented in the RSRs; or 2) subjecting soil samples to the Synthetic Precipitation Leaching Procedure (SPLP) and comparing the concentrations of contaminants in the extracts directly to GWPC. For inorganic compounds, the PMC are not applicable to mass analyses and SPLP testing is necessary.

Separate PMC standards are contained within the RSRs for sites located within Class GA groundwater areas versus those located within Class GB groundwater areas. Based on the Site location, compliance with the PMC was evaluated using the GA-PMC. The GA-PMC does not apply to soils below the seasonal low groundwater table. In addition, the PMC are not applicable to some contaminated soils that are "environmentally isolated" (e.g., below a building) as long as an appropriate EUR is in place prohibiting the demolition of the building.

Section 22a-133k-2(c)(2)(A) of the RSRs indicates that substances in polluted soil in a GA area may be evaluated using leachability analyses (i.e., the synthetic precipitation leaching procedure [SPLP]) compared to the Groundwater Protection Criteria (GWPC). We have completed SPLP analyses for PAHs, ETPH, and pesticides to allow an evaluation of compliance with this optional

GA-PMC.

Groundwater Protection Criteria (SWPC)

The purpose of the Ground Water Protection Criteria (GWPC) is for the protection of human health from the consumption of untreated groundwater. These standards are generally consistent with the U.S. Environmental Protection Agency (U.S. EPA) National Primary Drinking Water Standards (Maximum Contaminant Level) and the Connecticut Department of Health Water Quality Standards. The GWPC are applicable as a result of the location of the Site in an area classified by the CTDEEP as Class GA.

Volatilization Criteria (VC)

The purpose of the Volatilization Criteria (VC) standard is to protect human health from risks associated with inhalation of volatile vapors which may migrate through building slabs into occupied spaces. Separate criteria are established for residential (R-VC) and industrial/commercial (I/C-VC) areas; however, use of the less stringent industrial/commercial standards requires recording an EUR on the land records. Given the proposed residential use of the Site, we have presented site contaminants relative to the R-VC.

Surface Water Protection Criteria (SWPC)

The purpose of the SWPC standard is to evaluate if contaminated groundwater that discharges to a surface water body interferes with the attainment of surface water quality standards in that water body. The default SWPC were derived using the CTDEP Water Quality Standards multiplied by a conservative estimation of dilution as the groundwater plume enters the receiving water body. A self-implementing alternative SWPC can be calculated based on the low flow conditions of the receiving surface water body. We have compared the detected constituents of concern with the default SWPC.

6.2 Conditional Exemption to the GA-PMC

Section 22a-133k-2(c)(5)(C) of the RSRs indicates that soil at a release area polluted with substances, other than VOCs, is not required to be remediated to meet the PMC, provided several

conditions are met as follows:

1) 80 percent of the mass of the substance has been subject to infiltration;
2) Infiltration was not obstructed by anthropogenic features for at least 5 years;
3) Groundwater monitoring complies with the RSRs with the laboratory analytical results comply with the GWPC and SWPC.

The use of this conditional exemption to the GA-PMC has been considered for use to address lead in fill at the Site. Our preliminary evaluation indicates that these fill materials are subject to infiltration and lead was not detected in groundwater at the Site; however, a quarterly groundwater compliance evaluation will be required to more fully evaluate the use of the conditional exemption.

6.3 Soil Analytical Results

Subsurface materials at the Site consisted of 10 to 12 feet of fill consisting of silt and sand with fine to coarse gravel and debris including asphalt, brick, concrete, tile, glass, metal, and wood. Petroleum odors were noted during the excavation of test pit TP-8 and TP-13. One to two soil samples from each test pit and boring B1 were submitted for analyses for some or all of the constituents of concern. Leachability analyses were completed for selected soil samples to facilitate an evaluation of compliance with the GA-PMC for metals and the optional GA-PMC for ETPH, PAHs, and pesticides. A summary of the soil analytical data is presented with the prior data from Fairfield Testing Laboratory in Table 2.

Multiple petroleum related VOCs and bromomethane were detected within soil samples from test pit TP-13. The concentrations of bromomethane exceeded the GA-PMC. The remaining VOC detections were below relevant regulatory criteria.

ETPH was detected in 11 of 13 samples analyzed at concentrations ranging from 75 to 740 milligrams per kilogram (mg/kg). The highest detection, which was a sample from test pit TP-8, was further analyzed by SPLP for leachable ETPH, which was not detected. Accordingly, the detected ETPH impacts were below the GA-PMC; however, the test pit TP-8 sample exceeded

the R-DEC.

PAHs were detected in each of the analyzed soil samples. SPLP PAHs analyses were completed for seven soil samples. Leachable phenanthrene was detected in two samples at concentrations that were below the GWPC. The remaining PAHs were not leachable. The detections of multiple PAH compounds were found to exceed the R-DEC in 16 of 17 analyzed samples; however, the SPLP analyses demonstrate that these constituents do not exceed the GA-PMC.

Pesticides were detected in each of the samples analyzed for these constituents. SPLP pesticide analyses were completed for four soil samples collected from the areas with the highest pesticide concentrations. Leachable pesticides were not detected. Based on these findings, the pesticide detections were below relevant regulatory criteria.

Metals were detected in each of the analyzed samples at concentrations that were below the R-DEC. SPLP metals analyses were completed for five soil samples collected from across the Site. Leachable lead was detected in four samples at concentrations that exceeded the GA-PMC. Leachable copper was also detected in one sample at a concentration that was below the GA-PMC. No other leachable metals were detected.

Conceptual Site Model and Compliance Evaluation

The fill at the Site was consistently found to contain a wide range of contaminants including PAHs and leachable lead demonstrating that the fill was contaminated at concentrations that exceeded regulatory criteria at the time of placement. Other constituents were also consistently present but at concentrations that were generally below regulatory criteria including pesticides and ETPH. The fill was also found to contain certain debris such as metal that would not otherwise qualify as clean fill.

Portions of the fill were found to exhibit isolated conditions including the presence of petroleum related VOCs and/or elevated ETPH coupled with petroleum odors in the area of test pits TP-8 and TP-13. Bromomethane, which was historically used primarily as a pesticide fumigant, was also detected at TP-13. These isolated conditions may represent discrete releases that occurred at

the Site, or they could have been contained within the fill at the time of placement. Regardless of the source, the concentrations of ETPH and bromomethane exceed regulatory criteria.

Based on the presence of contaminants that exceed regulatory criteria and the presence of certain deleterious materials, the fill at the Site does not qualify as "clean fill" under section 22a-209 of the CTDEEP Solid Waste Regulations, and rather, would qualify as "solid waste" consistent with CTDEEP policy regarding the Management of Contaminated Environmental Media. Furthermore, the placement of the fill was inconsistent with section 22a-133k-2(h) of the RSRs governing the use of polluted soil, which prohibits the use of soils that exceed regulatory criteria, limits the placement of polluted fill to areas that were already polluted, and generally excludes the placement of polluted fill to more than 4 feet above original grades.

6.4 Groundwater Analytical Results

Two overburden monitoring wells (MW-1 and MW-2) were installed at the Site. An overburden groundwater table was not observed in the area of borings B1 and B2. The bases of the monitoring wells were set at depths of 18 and 28 feet below grade with 10-foot screen sections than span the water table. The wells were sampled using low-flow techniques for laboratory analyses for VOCs, ETPH, PAHs, pesticides, and metals. A summary of the groundwater analytical data is included in Table 3.

VOCs, PAHs, metals, and pesticides were not detected in groundwater samples from wells MW-1 and MW-2.

ETPH was detected at a concentration of 0.37 milligrams per liter (mg/l) in the groundwater sample from monitoring well MW-2. This concentration of ETPH exceeds the GWPC and SWPC.

Conceptual Site Model and Preliminary Compliance Evaluation

A petroleum-related groundwater plume was identified at northeastern portions of the 6 Sycamore Street parcel. The concentration of ETPH detected in groundwater exceeded the

groundwater regulatory criteria and warrants further action. The source of the groundwater plume appears to be related to petroleum impacted soils located in the area upgradient of well MW-2 including the area of test pits TP-8 and TP-13.

7.0 FINDINGS AND CONCLUSIONS

This report represents our subsurface investigation of the property located at 0, 4 & 6 Sycamore Street and the proposed Sycamore Street right-of-way in Trumbull, Connecticut (the "Site"). This investigation was completed on behalf of Town of Trumbull to evaluate and address recognized environmental conditions that have been identified by the Town of Trumbull Inland Wetlands and Watercourses Commission (Trumbull IWWC). The investigation has been completed in general accordance with the Connecticut Department of Energy & Environmental Protection (CTDEEP) Site Characterization Guidance Document.

The Site consists of three contiguous parcels of land as well as a proposed Town right of way known as Sycamore Steet situated north of Pine Street in Trumbull. The Site parcels are currently owned by Hurd Realty LLC and Fairview Avenue LLC and are undergoing residential development. The Trumbull IWWC identified site work that was inconsistent with the existing regulatory agency approvals. This included the construction of a retaining wall and certain filling and grading activities. Demolition debris and other deleterious materials were evident as a component of an estimated 13,500 cubic yards the fill, which was placed at the Site. A preliminary evaluation of the fill was completed by Fairfield Testing Laboratory which resulted in the detection of polynuclear aromatic hydrocarbons (PAHs) at concentrations that exceeded regulatory criteria. Other contaminants were detected including pesticides, extractable total petroleum hydrocarbons (ETPH), and metals that exceeded typical background conditions.

Surficial materials at the Site are mapped along the divide between thick glacial till at western portions and sand and gravel at eastern portions. Presumed bedrock was encountered within soil borings completed at the Site at depths of 18 to 28.5 feet below grade. The bedrock at the Site is mapped as Straits Schist, which is described as a silvery to gray, coarse-grained schist.

The Site is located in an area identified by the CTDEEP as Class "GA", indicating that the groundwater is presumed to be suitable for direct human consumption without pretreatment. Overburden groundwater was encountered at depths of approximately 14 to 19 feet below grade at eastern portions of the Site, and based on topography, was inferred to generally flow from west to the east; however, localized northerly and southerly flow components may be present at portions of the Site. An overburden groundwater was not encountered above presumed bedrock at western portions of the Site.

Public water supply is supplied to the Site and surrounding area by the Aquarion Water Company. The Connecticut Department of Public Health mapping does not identify any public or private water supply wells within 500 feet of the Site.

Subsurface investigation of the Site by WSP and others has included the advancement of 22 test pit excavations and four soil borings; 2) completion of two groundwater monitoring wells; and 3) collection and laboratory analyses of 37 soil samples and two groundwater samples. The findings of the subsurface investigations are as follows:

- Extensive filling was completed across much of the 4 & 6 Sycamore Street parcels, southern portions of the 0 Sycamore Street parcel, at portions of the proposed Sycamore Street right-of-way, and at the southwestern portion of the adjacent 4285 Madison Avenue parcel. The fill was found to be 10 to 12 feet thick and contained debris including asphalt, brick, concrete, tile, glass, metal, and wood. We anticipate that the thickness of the fill tapers out at portions of the Site.

- The fill at the Site was consistently found to contain a wide range of contaminants including PAHs and leachable lead demonstrating that the fill was contaminated at concentrations that exceeded regulatory criteria at the time of placement. Other constituents were also consistently present but at concentrations that were generally below regulatory criteria including pesticides and ETPH. The fill was also found to contain certain debris such as metal that would not otherwise qualify as clean fill.

- Portions of the fill were found to exhibit isolated conditions including the presence of petroleum related VOCs and/or elevated ETPH coupled with petroleum odors in the area of test pits TP-8 and TP-13. Bromomethane, which was historically used primarily as a pesticide fumigant, was also detected at TP-13. These isolated conditions may represent discrete releases that occurred at the Site, or they could have been contained within the fill at the time of placement. Regardless of the source, the concentrations of ETPH and bromomethane exceed regulatory criteria.

- Based on the presence of contaminants that exceed regulatory criteria and the presence of certain deleterious materials, the fill at the Site does not qualify as "clean fill" under section 22a-209 of the CTDEEP Solid Waste Regulations, and rather, would qualify as "solid waste" consistent with CTDEEP policy regarding the Management of Contaminated Environmental Media. Furthermore, the placement of the fill was inconsistent with section 22a-133k-2(h) of the RSRs governing the use of polluted soil, which prohibits the use of soils that exceed regulatory criteria, limits the placement of polluted fill to areas that were already polluted, and generally excludes the placement of polluted fill to more than 4 feet above original grades.

- Groundwater Conditions: A petroleum-related groundwater plume was identified at northeastern portions of the 6 Sycamore Street parcel. The concentration of ETPH detected in groundwater exceeded the groundwater regulatory criteria and warrants further action. The source of the groundwater plume appears to be related to petroleum impacted soils located in the area upgradient of well MW-2 including the area of test pits TP-8 and TP-13.

The fill identified within the area of study has been placed inconsistent with regulations and policy of the CTDEEP. Based on a simple comparison of contaminant concentrations to regulatory criteria, the current conditions also represent an unacceptable risk to human health and the environment and require remediation. Given these findings, Site remediation could arguably include the removal and proper disposal of the entire mass of polluted fill that has been placed within the area of study. Alternatively, a more pragmatic approach could be employed to

minimize the risks to human health associated with exposures to the polluted fill and to reduce or eliminate the degradation of groundwater and surface water quality in the area of the Site. The pragmatic approach would involve the excavation and removal of the fill materials with the most significant impacts, capping of a majority of the fill with on-going management under an Environmental Use Restriction (EUR), and completion of a groundwater compliance monitoring program to ensure that the remediation was successful and the requirements of the other RSRs were achieved.

8.0 LIMITATIONS

This report has been prepared for the exclusive use of Town of Trumbull for the specific application to the property located at 0, 4 & 6 Sycamore Street in Trumbull, Connecticut. Any additional user of this report shall determine the suitability of the material contained herein for their intended use, and any such user assumes all risks and liability in connection therewith. The above findings and conclusions are based upon what has been deemed a commercially prudent and reasonable inquiry. This due diligence assessment is intended to reduce but not eliminate all uncertainty regarding the potential for recognized environmental conditions. Information obtained during the environmental assessment was in part provided by others, and no effort to ascertain the validity of this information was made and should not be taken as fact. No claim is made that these findings will remain applicable to future site activities and conditions. Interpretation or drawing of conclusions by any party from information contained in this report shall be undertaken solely at the risk of said party.

REFERENCES

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TABLES

Table 1

SYCAMORE STREET DEVELOPMENT
0, 4 & 6 SYCAMORE STREET
TRUMBULL, CONNECTICUT

Water-Level Depth - December 3, 2025

Well ID	Date Measured	Depth to Water (ft btoc)
MW-1	12/3/2025	20.36
MW-2	12/3/2025	15.70

ft btoc: feet below top of casing

Table 2

SYCAMORE STREET DEVELOPMENT
0, 4 6 SYCAMORE STREET
TRUMBULL, CONNECTICUT

Summary of Analytical Results of Soil Samples

	Units	Regulatory Criteria GA-PMC	R-DEC	GWPC	Sample 1 (3')	Sample 2 (7')	Sample 3 (4')	Sample 3 (7')	Sample 4 (4.5')	Sample 4 (6.5')	Sample 5 (4')	Sample 5 (7')	Sample 6 (4')	Sample 6 (6')	Sample 7 (2')	Sample 8 (4')	Sample 9 (4')	Sample 9 (6')	Sample 9 (7')	TP-1 (1')	TP-2 (4')
Total Metals																					
Arsenic	mg/kg	N/A	10	N/A	7.14	2.8	2.58	2.49	2.24	1.77	2.6	2.02	2.48	2.17	3.65	1.66	2.01	3.2	2.39	5	5.8
Barium	mg/kg	N/A	4,700	N/A	64.6	40	50.6	37.1	74.6	63.1	59.7	56.5	77.2	42.2	27.7	46.9	66.8	74.8	65.6	---	---
Cadmium	mg/kg	N/A	34	N/A	ND<0.282	0.289	0.306	ND<0.277	ND<0.292	ND<0.288	8.67	0.351	ND<0.272	0.281	ND<0.283	ND<0.283	ND<0.284	ND<0.295	ND<0.272	ND<0.52	ND<0.54
Chromium	mg/kg	N/A	3,900	N/A	16.70	8.90	8.40	6.85	9.52	8.05	10.40	10.40	21.30	8.11	7.75	7.43	6.71	11.20	10.80	---	---
Copper	mg/kg	N/A	2,500	N/A	20.9	40.9	27.5	19.5	25.1	16.3	63.5	29	28.4	35	12.6	12.2	17.8	18.8	16.5	22	34
Lead	mg/kg	N/A	400	N/A	44.9	41	83.6	46.1	48.6	37.1	102	90	38.9	34.6	39.7	23	77.4	48.5	33.8	68	66
Mercury	mg/kg	N/A	20	N/A	0.074	0.0562	0.188	0.126	0.0771	0.173	0.168	0.158	0.0603	0.0722	ND<0.0339	ND<0.0340	0.0589	0.072	0.103	ND<0.13	ND<0.15
Nickel	mg/kg	N/A	1,400	N/A	11.1	7.91	6.1	5.15	7.21	5.28	19.6	6.84	13.2	6.8	5.66	5.05	5.33	6.87	6.42	---	---
Zinc	mg/kg	N/A	20,000	N/A	27.4	89.8	74.7	51.4	58.5	51.1	105	75	58.2	36.2	39.8	31.6	56.4	52.9	41.5	---	---
SPLP Metals																					
SPLP Arsenic	mg/L	0.5	N/A	0.5	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SPLP Cadmium	mg/L	0.005	N/A	0.005	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SPLP Copper	mg/L	1.3	N/A	1.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SPLP Mercury	mg/L	0.002	N/A	0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SPLP Lead	mg/L	0.015	N/A	0.015	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Extractable Total Petroleum Hydrocarbons (ETPH)	mg/kg	500	500	N/A	292	162	102	91	132	144	58	84	94	125	ND<47.2	88	214	162	120	ND<56	75
SPLP ETPH	mg/l	N/A	N/A	0.25	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (VOCs)																					
Acetone	ug/kg	14,000	500,000	N/A	ND<9.5	ND<10	33	39	38	16	ND<9.8	ND<12	ND<10	ND<12	ND<12	ND<13	ND<10	ND<12	ND<9.8	---	ND<170
2-Butanone (MEK)	ug/kg	8,000	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	6.4	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<29
Bromomethane	ug/kg	70	34,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
Ethylbenzene	ug/kg	10,100	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
Isopropylbenzene	ug/kg	500	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
n-Propylbenzene	ug/kg	1,000	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
sec-Butylbenzene	ug/kg	7,000	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
n-Butylbenzene	ug/kg	7,000	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
1,3,5-Trimethylbenzene	ug/kg	2,800	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
1,2,4-Trimethylbenzene	ug/kg	2,800	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
Naphthalene	ug/kg	5,600	1,000,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
Xylenes	ug/kg	19,500	500,000	N/A	ND<4.7	ND<5.0	ND<5.2	ND<5.1	ND<4.7	ND<4.7	ND<4.9	ND<5.9	ND<5.1	ND<5.9	ND<6.2	ND<6.3	ND<5.1	ND<5.8	ND<4.9	---	ND<5.8
Polychlorinated Biphenyls (PCBs)	ug/kg	0.0005	1	N/A	ND<0.0273	ND<0.0284	ND<0.0280	ND<0.0268	ND<0.0283	ND<0.0286	ND<0.0279	ND<0.0278	ND<0.0267	0.0333	ND<0.0277	ND<0.0276	ND<0.0283	ND<0.0289	ND<0.0267	---	ND<0.058
Polyaromatic Hydrocarbons (PAHs)																					
2-Methylnaphthalene	ug/kg	560	270,000	N/A	ND<562	ND<574	ND<570	ND<552	ND<582	ND<570	ND<564	ND<564	ND<539	ND<557	ND<557	ND<558	ND<560	ND<581	ND<537	ND<220	ND<230
Acenaphthene	ug/kg	8,400	1,000,000	N/A	ND<562	ND<574	ND<570	ND<552	**40,300**	ND<570	ND<564	ND<564	ND<539	ND<557	ND<557	ND<558	ND<560	ND<581	ND<537	190	ND<120
Acenaphthylene	ug/kg	8,400	1,000,000	N/A	ND<562	ND<574	ND<570	ND<552	1,100	ND<570	ND<564	ND<564	784	ND<557	ND<557	ND<558	ND<560	ND<581	ND<537	150	210
Anthracene	ug/kg	40,000	1,000,000	N/A	ND<562	ND<574	ND<570	ND<552	**93,700**	778	ND<564	ND<564	1,330	ND<557	ND<557	ND<558	ND<560	1,660	728	540	260
Benzo(a)anthracene	ug/kg	1,000	1,000	N/A	590	643	**1,170**	938	**142,000**	**1,840**	**1,450**	880	**3,060**	**1,150**	708	**1,390**	872	**4,070**	**1,980**	**1,400**	**1,000**
Benzo(a)pyrene	ug/kg	1,000	1,000	N/A	ND<562	613	**1,180**	875	**121,000**	**1,530**	**1,260**	719	**2,370**	939	648	**1,010**	667	**2,860**	**1,380**	**1,400**	**1,200**
Benzo(b)fluoranthene	ug/kg	1,000	1,000	N/A	579	664	**1,150**	832	**111,000**	**1,580**	**1,360**	749	**2,330**	940	711	**1,070**	784	**3,050**	**1,430**	**1,700**	**1,400**
Benzo(ghi)perylene	ug/kg	1,000	1,000	N/A	ND<562	ND<574	716	674	**72,100**	869	771	ND<564	1,330	581	ND<557	586	ND<560	**1,690**	851	880	890
Benzo(k)fluoranthene	ug/kg	1,000	8,400	N/A	ND<562	ND<574	908	728	**100,000**	**1,250**	**1,150**	683	**1,940**	872	661	916	612	**2,200**	**1,250**	640	570
Carbazole	ug/kg	200	31,000	N/A	ND<562	ND<574	ND<570	ND<552	**43,500**	ND<570	ND<564	ND<564	ND<539	ND<557	ND<557	ND<558	ND<560	ND<581	ND<537	---	---
Chrysene	ug/kg	1,000	84,000	N/A	633	761	1,190	996	**128,000**	1,970	1,550	942	2,980	1,230	956	**1,440**	985	**3,800**	**1,940**	1,500	1,200
Dibenzo(a,h)anthracene	ug/kg	1,000	1,000	N/A	ND<562	ND<574	ND<570	ND<552	ND<582	ND<570	ND<564	ND<564	ND<539	ND<557	ND<557	ND<558	ND<560	689	ND<537	230	200
Dibenzofurane	ug/kg	200	68,000	N/A	ND<562	ND<574	ND<570	ND<552	**35,600**	ND<570	ND<564	ND<564	ND<539	ND<557	ND<557	ND<558	ND<560	ND<581	ND<537	---	---
Fluoranthene	ug/kg	5,600	1,000,000	N/A	1,250	1,490	2,020	2,130	**113,000**	4,110	2,770	1,700	**7,490**	1,980	1,550	2,560	1,760	**7,730**	3,730	3,300	2,100
Fluorene	ug/kg	5,600	1,000,000	N/A	ND<562	ND<574	ND<570	ND<552	**53,000**	ND<570	ND<564	ND<564	ND<539	ND<557	ND<557	ND<558	ND<560	ND<581	ND<537	220	ND<120
Indeno(1,2,3-cd)pyrene	ug/kg	1,000	1,000	N/A	ND<562	ND<574	790	663	**77,000**	957	815	ND<564	**1,450**	615	ND<557	624	ND<560	**1,840**	930	730	680
Naphthalene	ug/kg	5,600	1,000,000	N/A	ND<562	ND<574	ND<570	ND<552	**54,000**	ND<570	ND<564	ND<564	ND<539	ND<557	ND<557	ND<558	ND<560	ND<581	ND<537	ND<110	ND<120
Phenanthrene	ug/kg	4,000	1,000,000	N/A	700	772	981	1,090	**107,000**	**4,070**	1,310	871	ND<539	832	861	1,660	892	**4,510**	3,370	2,000	820
Pyrene	ug/kg	4,000	1,000,000	N/A	1,040	1,290	1,890	1,710	**219,000**	3,760	2,720	1,620	**6,140**	1,900	1,610	2,390	1,690	**6,330**	3,560	2,500	1,800
SPLP PAHs																					
Phenanthrene	ug/l	N/A	N/A	200	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Pesticides																					
4,4-DDD	ug/kg			N/A	ND<1.82	ND<2.81	19.9	ND<1.79	ND<1.89	ND<1.89	ND<2.76	ND<2.75	ND<2.64	ND<2.76	ND<2.74	ND<2.74	ND<1.87	ND<2.86	ND<2.64	ND<0.56	ND<0.58
4,4-DDE	ug/kg	3	1,800	N/A	ND<1.82	ND<2.81	ND<2.77	ND<1.79	ND<1.89	ND<1.89	ND<2.76	ND<2.75	ND<2.64	3.18	ND<2.74	ND<2.74	ND<1.87	ND<2.86	ND<2.64	6.9	6.7
4,4-DDT	ug/kg			N/A	3.11	ND<2.81	2.93	3.37	2.43	2.84	ND<2.76	4.18	5.39	5.67	6.31	ND<2.74	ND<1.87	ND<2.86	ND<2.64	8.6	11
Chlordane	ug/kg	66	490	N/A	ND<24.3	ND<37.5	ND<36.9	ND<23.8	ND<25.2	ND<25.2	ND<36.8	ND<36.7	ND<35.2	ND<36.8	ND<36.6	ND<36.5	51.8	ND<38.2	ND<35.3	120	100
Dieldrin	ug/kg	7	38	N/A	ND<1.82	ND<2.81	ND<2.77	ND<1.79	ND<1.89	ND<1.89	ND<2.76	ND<2.75	ND<2.64	2.87	ND<2.74	ND<2.74	ND<1.87	ND<2.86	ND<2.64	2.3	3
SPLP Pesticides																					
4,4-DDD	ug/l	N/A	N/A		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4,4-DDE	ug/l	N/A	N/A	0.1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4,4-DDT	ug/l	N/A	N/A		---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlordane	ug/l	N/A	N/A	0.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	ug/l	N/A	N/A	0.002	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

Table 2

SYCAMORE STREET DEVELOPMENT
0, 4 6 SYCAMORE STREET
TRUMBULL, CONNECTICUT

Summary of Analytical Results of Soil Samples

	Units	Regulatory Criteria GA-PMC	R-DEC	GWPC	TP-3 (2')	TP-3 (5.5')	TP-4 (5')	TP-5 (3.5')	TP-6 (2')	TP-6 (4.5')	TP-7 (3.5')	TP-8 (3.5')	TP-8 (6.5')	TP-9 (1.5')	TP-9 (4')	TP-10 (3')	TP-11 (1.5')	TP-11 (6')	TP-12 (2')	TP-13 (1.5')	TP-13 (5')	TP-13	B1 (1-2')	B1 (10-11')
Total Metals																								
Arsenic	mg/kg	N/A	10	N/A	5.3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Barium	mg/kg	N/A	4,700	N/A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Cadmium	mg/kg	N/A	34	N/A	ND<0.54	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chromium	mg/kg	N/A	3,900	N/A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Copper	mg/kg	N/A	2,500	N/A	24	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Lead	mg/kg	N/A	400	N/A	46	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Mercury	mg/kg	N/A	20	N/A	ND<0.14	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Nickel	mg/kg	N/A	1,400	N/A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Zinc	mg/kg	N/A	20,000	N/A	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SPLP Metals																								
SPLP Arsenic	mg/L	0.5	N/A	0.5	---	---	ND<0.009	---	---	ND<0.009	ND<0.009	---	---	---	---	---	ND<0.009	---	---	---	ND<0.009	---	---	---
SPLP Cadmium	mg/L	0.005	N/A	0.005	---	---	ND<0.005	---	---	ND<0.005	ND<0.005	---	---	---	---	---	ND<0.005	---	---	---	ND<0.005	---	---	---
SPLP Copper	mg/L	1.3	N/A	1.3	---	---	ND<0.04	---	---	ND<0.04	0.083	---	---	---	---	---	ND<0.04	---	---	---	ND<0.04	---	---	---
SPLP Mercury	mg/L	0.002	N/A	0.002	---	---	ND<0.002	---	---	ND<0.002	ND<0.002	---	---	---	---	---	ND<0.002	---	---	---	ND<0.002	---	---	---
SPLP Lead	mg/L	0.015	N/A	0.015	---	---	ND<0.013	---	---	**0.021**	**0.023**	---	---	---	---	---	**0.021**	---	---	---	**0.016**	---	---	---
Extractable Total Petroleum Hydrocarbons (ETPH)	mg/kg	500	500	N/A	97	ND<57	---	---	---	---	180	370	**740**	---	110	---	---	---	---	360	350	460	120	430
SPLP ETPH	mg/l	N/A	N/A	0.25	---	---	---	---	---	---	---	---	ND<0.1	---	---	---	---	---	---	---	---	---	---	---
Volatile Organic Compounds (VOCs)																								
Acetone	ug/kg	14,000	500,000	N/A	ND<230	---	---	---	ND<200	---	ND<220	---	---	---	---	---	---	---	---	ND<4700	ND<4300	ND<170	---	---
2-Butanone (MEK)	ug/kg	8,000	500,000	N/A	ND<38	---	---	---	ND<33	---	ND<36	---	---	---	---	---	---	---	---	ND<790	ND<710	ND<28	---	---
Bromomethane	ug/kg	70	34,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	**570**	**400**	ND<5.7	---	---
Ethylbenzene	ug/kg	10,100	500,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	ND<160	ND<140	9.5	---	---
Isopropylbenzene	ug/kg	500	500,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	ND<160	ND<140	20	---	---
n-Propylbenzene	ug/kg	1,000	500,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	ND<160	ND<140	37	---	---
sec-Butylbenzene	ug/kg	7,000	500,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	ND<160	ND<140	60	---	---
n-Butylbenzene	ug/kg	7,000	500,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	ND<160	ND<140	29	---	---
1,3,5-Trimethylbenzene	ug/kg	2,800	500,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	ND<160	180	190	---	---
1,2,4-Trimethylbenzene	ug/kg	2,800	500,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	ND<160	360	350	---	---
Naphthalene	ug/kg	5,600	1,000,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	340	ND<140	42	---	---
Xylenes	ug/kg	19,500	500,000	N/A	ND<7.5	---	---	---	ND<6.6	---	ND<7.3	---	---	---	---	---	---	---	---	ND<160	ND<140	221	---	---
Polychlorinated Biphenyls (PCBs)	ug/kg	0.0005	1	N/A	---	---	---	---	---	ND<0.062	---	---	---	---	---	---	---	---	---	---	---	ND<0.055	---	---
Polyaromatic Hydrocarbons (PAHs)																								
2-Methylnaphthalene	ug/kg	560	270,000	N/A	ND<230	ND<230	---	ND<230	---	ND<240	ND<250	ND<230	ND<220	ND<230	290	ND<220	---	ND<230	ND<240	ND<230	---	**610**	ND<220	**580**
Acenaphthene	ug/kg	8,400	1,000,000	N/A	340	ND<110	---	ND<120	---	130	ND<130	ND<120	ND<110	ND<120	1100	ND<110	---	ND<110	ND<120	860	---	1,800	220	1,200
Acenaphthylene	ug/kg	8,400	1,000,000	N/A	190	ND<110	---	160	---	ND<120	ND<130	ND<120	ND<110	190	270	110	---	ND<110	340	190	---	310	ND<110	480
Anthracene	ug/kg	40,000	1,000,000	N/A	820	190	---	280	---	400	170	230	130	230	2200	280	---	310	240	2000	---	3,300	430	2,700
Benzo(a)anthracene	ug/kg	1,000	1,000	N/A	**1,800**	710	---	**1,200**	---	**1,400**	900	950	570	870	**4,200**	**1,100**	---	**1,500**	930	**4,700**	---	**7,800**	**1,100**	**5,600**
Benzo(a)pyrene	ug/kg	1,000	1,000	N/A	**1,900**	940	---	**1,300**	---	**1,500**	**1,100**	**1,100**	650	920	**4,200**	**1,200**	---	**1,700**	**1,200**	**4,600**	---	**7,700**	**1,200**	**5,200**
Benzo(b)fluoranthene	ug/kg	1,000	1,000	N/A	**2,400**	**1,200**	---	**1,600**	---	**1,800**	**1,700**	**1,400**	320	**1,200**	**4,800**	**1,500**	---	**2,200**	**1,600**	**5,200**	---	**8,900**	**1,400**	**6,200**
Benzo(ghi)perylene	ug/kg	1,000	1,000	N/A	**1,300**	900	---	920	---	980	960	790	550	600	**2,600**	790	---	**1,200**	830	**2,900**	---	**4,800**	760	**3,200**
Benzo(k)fluoranthene	ug/kg	1,000	8,400	N/A	810	380	---	620	---	680	550	480	320	450	1,900	630	---	810	660	2,000	---	8,900	630	2,400
Carbazole	ug/kg	200	31,000	N/A	---	---	---	---	---	180	---	---	---	---	---	---	---	220	---	---	---	---	---	---
Chrysene	ug/kg	1,000	84,000	N/A	2,000	890	---	1,300	---	1,600	1,300	1,100	730	950	4,000	1,200	---	**1,800**	1,300	**4,600**	---	**8,100**	**1,100**	**5,500**
Dibenzo(a,h)anthracene	ug/kg	1,000	1,000	N/A	300	170	---	230	---	240	190	200	110	150	660	200	---	280	200	730	---	**1,300**	190	860
Dibenzofurane	ug/kg	200	68,000	N/A	---	---	---	---	---	ND<120	---	---	---	---	---	---	---	ND<110	---	---	---	---	---	---
Fluoranthene	ug/kg	5,600	1,000,000	N/A	4,300	1,400	---	2,800	---	3,400	2,800	2,300	1,500	1,700	**8,400**	2,200	---	3,700	2,400	**9,600**	---	**16,000**	2,500	**11,000**
Fluorene	ug/kg	5,600	1,000,000	N/A	310	ND<110	---	ND<120	---	170	ND<130	ND<120	ND<110	ND<120	950	ND<110	---	ND<110	ND<120	730	---	1,400	180	1,600
Indeno(1,2,3-cd)pyrene	ug/kg	1,000	1,000	N/A	1,000	600	---	740	---	800	750	630	390	470	2,100	650	---	960	650	**2,400**	---	**4,000**	620	**2,600**
Naphthalene	ug/kg	5,600	1,000,000	N/A	ND<110	ND<110	---	ND<120	---	ND<120	ND<130	ND<120	ND<110	ND<120	770	ND<110	---	ND<110	ND<120	350	---	1,100	ND<110	690
Phenanthrene	ug/kg	4,000	1,000,000	N/A	3,100	630	---	1,100	---	1,800	940	990	670	760	6,700	940	---	1,800	1,100	**6,900**	---	**13,000**	1,700	**9,500**
Pyrene	ug/kg	4,000	1,000,000	N/A	3,300	1,200	---	2,200	---	2,700	2,000	1,800	1,100	1,500	6,600	1,800	---	2,800	2,100	**7,700**	---	**13,000**	2,000	**9,900**
SPLP PAHs																								
Phenanthrene	ug/l	N/A	N/A	200	---	---	ND<0.077	---	---	ND<0.077	ND<0.077	---	---	---	ND<0.077	---	ND<0.077	---	---	---	0.38	0.61	---	---
Pesticides																								
4,4-DDD	ug/kg			N/A	ND<0.56	---	---	---	---	ND<0.62	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4,4-DDE	ug/kg	3	1,800	N/A	3.6	---	---	---	---	4.2	---	---	---	---	---	---	---	---	---	---	---	---	---	---
4,4-DDT	ug/kg			N/A	7.5	---	---	---	---	9.6	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Chlordane	ug/kg	66	490	N/A	160	---	---	---	---	90	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Dieldrin	ug/kg	7	38	N/A	2.4	---	---	---	---	2.8	---	---	---	---	---	---	---	---	---	---	---	---	---	---
SPLP Pesticides																								
4,4-DDD	ug/l	N/A	N/A		---	---	ND<0.001	---	---	---	ND<0.001	---	---	---	---	---	ND<0.001	---	---	---	ND<0.001	---	---	---
4,4-DDE	ug/l	N/A	N/A	0.1	---	---	ND<0.001	---	---	---	ND<0.001	---	---	---	---	---	ND<0.001	---	---	---	ND<0.001	---	---	---
4,4-DDT	ug/l	N/A	N/A		---	---	ND<0.001	---	---	---	ND<0.001	---	---	---	---	---	ND<0.001	---	---	---	ND<0.001	---	---	---
Chlordane	ug/l	N/A	N/A	0.3	---	---	ND<0.2	---	---	---	ND<0.2	---	---	---	---	---	ND<0.2	---	---	---	ND<0.2	---	---	---
Dieldrin	ug/l	N/A	N/A	0.002	---	---	ND<0.002	---	---	---	ND<0.002	---	---	---	---	---	ND<0.002	---	---	---	ND<0.002	---	---	---

Notes:
R-DEC: Residential Direct Exposure Criteria
GA-PMC: GA Pollutant Mobility Criteria
GWPC: Groundwater Protection Criteria
mg/kg: milligrams per kilogram
mg/L: milligrams per liter
ug/kg: micrograms per kilogram
ug/L: micrograms per liter
N/A: Not applicable
ND<: Not detected above laboratory reporting criteria
---: Criteria not analyzed
Bold: Exceeds one or more criterion

Table 3

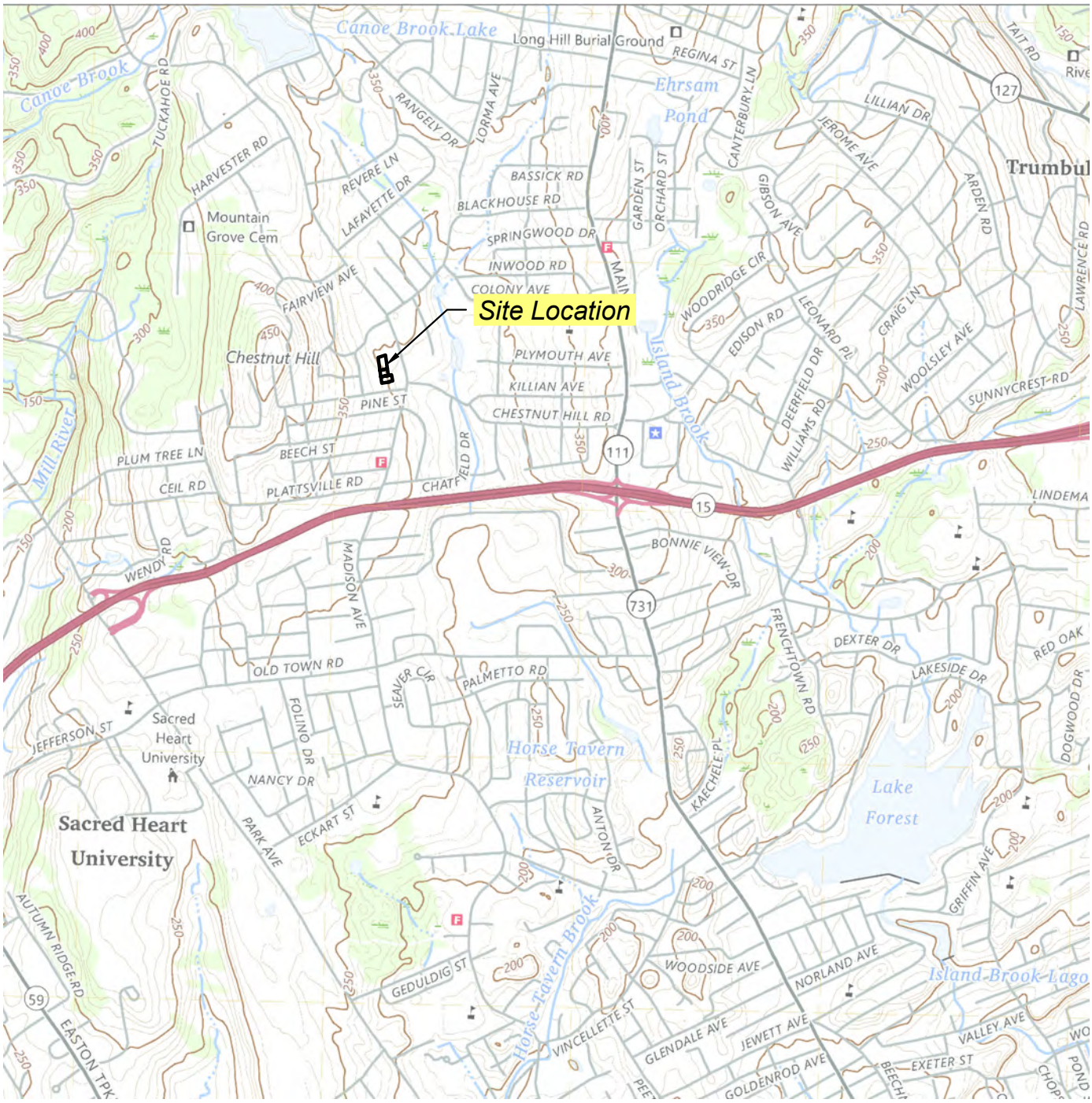
SYCAMORE STREET DEVELOPMENT
0, 4 6 SYCAMORE STREET
TRUMBULL, CONNECTICUT

Summary of Analytical Results of Groundwater Samples

	Units	Regulatory Criteria GWPC	R-VC	SWPC	MW-1 12/3/2025	MW-2 12/3/2025
Total Metals						
Arsenic	mg/L	0.05	N/A	0.004	ND<0.004	ND<0.004
Cadmium	mg/L	0.005	N/A	0	ND<0.005	ND<0.005
Copper	mg/L	1.3	N/A	0.048	ND<0.04	ND<0.04
Lead	mg/L	0.015	N/A	0.013	ND<0.013	ND<0.013
Nickel	mg/L	0.1	N/A	0.88	ND<0.05	ND<0.05
Extractable Total Petroleum Hydrocarbons (ETPH)	mg/L	0.25	NE	0.25	ND<0.1	**0.37**
Volatile Organic Compounds (VOCs)	ug/L	Various			ND<1.0	ND<1.0
Pesticides	ug/L	Various			ND	ND
Polyaromatic Hydrocarbons (PAHs)	ug/L	Various			ND	ND

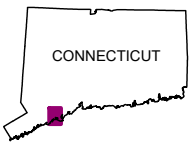
Notes:
mg/L: milligram per liter
ug/L: micrograms per liter
NE: Criteria not established
NA: Constituent not analyzed
ND<: not detected above laboratory reporting limits
GWPC: Groundwater Protection Criteria
SWPC: Surface Water Protection Criteria

FIGURES



SOURCE: USGS TOPOGRAPHIC QUDRANGLE BRIDGEPORT CONNECTICUT (2024).





QUADRANGLE LOCATION

LEGEND

PROPERTY BOUNDARY

0 2000

SCALE IN FEET

WSP USA Inc.
6 Research Drive
Suite 260
Shelton, Connecticut 06484
(203) 929-8555

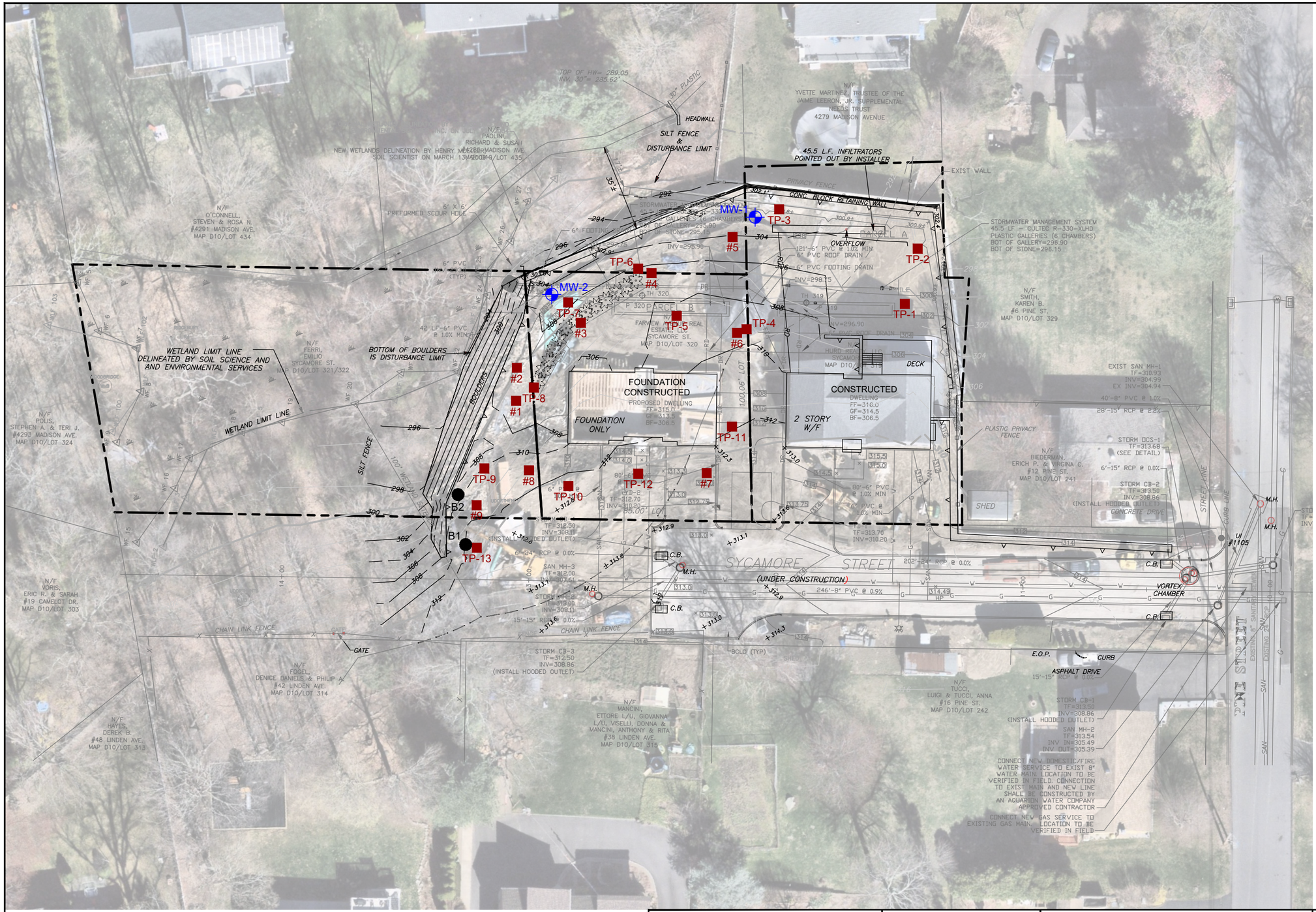
Sycamore Street Development
0, 4 & 6 Sycamore Street
Trumbull, Connecticut

SITE LOCATION MAP

FIGURE 1

DWG Date: 12/15/25
Checked: DJ
Approved: DJ
Drawn By: RAC
A

O:\DWG\Town of Trumbull\Sycamore St Development\F1_SLM.dwg, A, 12/15/2025 12:36:20 PM



LEGEND

- PROPERTY BOUNDARY
- TEST PIT LOCATION
- MONITOR WELL LOCATION
- BORING LOCATION

B

SOURCE:
1. PEREIRA ENGINEERING, LLC "PROPOSED SITE DEVELOPMENT PLANS, GRADING AND UTILITIES PLAN" SHEET 2 OF 7, DATED MAY 19, 2015 (PDF).

0 40
SCALE IN FEET

WSP USA Inc.
6 Research Drive
Suite 260
Shelton, Connecticut 06484
(203) 929-8555

Drawn By:	RAC
Checked:	DJ
Approved:	DJ
DWG Date:	12/15/25

Sycamore Street Development
0, 4 & 6 Sycamore Street
Trumbull, Connecticut

SITE PLAN

FIGURE 2

APPENDIX I

WSP	GEOLOGIC LOG WSP USA SHELTON, CONNECTICUT	OWNER:	
		BORING NO: MW-1	(near retaining wall / back of house)
		PAGE 1 OF 1 PAGE	

SITE LOCATION: Pine St Trumbull, CT	SCREEN SIZE & TYPE: SLOT NO: 0.010 SETTING: ~18 to 28 ft bg 1.5-inch
DATE COMPLETED: 11/21/25	SAND PACK SIZE & TYPE: pre pack / filter sand
DRILLING COMPANY: CES Bethany, CT	SETTING: 16 to 28 ft bg; 4 to 14 ft bg
	CASING SIZE & TYPE: 1.5-inch PVC
DRILLING METHOD: Direct Push	SETTING: ~3 ft to 18 ft bg
SAMPLING METHOD: Macrocore	SEAL TYPE: bentonite chips
OBSERVER: M. Shepard	SETTING: ~14 to 16 ft
REFERENCE POINT (RP): Grade	BACKFILL TYPE: cuttings to 4 ft
ELEVATION OF RP: ---	STATIC WATER LEVEL: ~8 in PVC from grade
STICK-UP:	DEVELOPMENT METHOD:
SURFACE COMPLETION:	DURATION: YIELD:
REMARKS: Advanced larger casing to refusal @ 28 ft MW well set @ 28 ft	
GPS COORDINATES: No soil samples collected	

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million

DEPTH (FEET) FROM	DEPTH (FEET) TO	SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
0	5	MC		2		SAND, f-m; little silt, little (fill)
						some f-m gravel; brown/gray/red/black
						~~ss~~ semi; mast; asphalt / brick
5	10	MC		2		similar to previous (fill)
10	15	MC		3		SAND, f-c; little silt; brn; semi; mast
						lenses of crushed rock
15	20	MC		4		similar to above but 17-19 ft crushed rock
						pockets of wet silty material 15-17 ft
20	25	MC		4		similar to above - wet pocket ~24-25 ft
25	28.5	MC		3.5		SAND f-m; little silt; little / some f-c gravel; tan; very compact; wet / mast
						Ref @ 28.5 ft well set @ 28 ft bg

wsp

GEOLOGIC LOG
WSP USA
SHELTON, CONNECTICUT

OWNER:

BORING NO: MW-2 (#6 lot behind front bldg)

PAGE 1 OF 1 PAGE

SITE LOCATION: Pine St Trumbull, CT	SCREEN SIZE & TYPE: SLOT NO: 0010 1.5-inch pre pack SETTING: ~8 to 18 ft
DATE COMPLETED: 11/21/25	SAND PACK SIZE & TYPE: pre-pack / filter sand
DRILLING COMPANY: CES Bethany, CT	SETTING: ~6 to 18 ft CASING SIZE & TYPE: 1.5-inch PVC
DRILLING METHOD: Geoprobe	SETTING: ~3 to 8 ft bgs
SAMPLING METHOD: Macro core	SEAL TYPE: bentonite chips
OBSERVER: M. Sheperd	SETTING: ~4 to 6 ft
REFERENCE POINT (RP): Grade	BACKFILL TYPE: cuttings to 4 ft
ELEVATION OF RP: ---	STATIC WATER LEVEL:
STICK-UP:	DEVELOPMENT METHOD:
SURFACE COMPLETION: standpipe in concrete	DURATION: YIELD:
REMARKS: No soil samples collected.	
GPS COORDINATES:	

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million

DEPTH (FEET) FROM	DEPTH (FEET) TO	SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
0	5	MC	———	2.5		sand, f and silt; little/some f-c gravel, dk brn; semi; moist; brick asphalt
5	10	MC	———	2		similar w/ concrete in tip
10	15	MC	———	2		silt; dk brn; compact; moist; red brick w/lenses of concrete & rock
15	20	MC	———	4		(Till) sand, f-m and silt; lenses of crushed rock/gravel, brn/tan/white very compact; moist (silt); weathered rock in tip
20	25	MC	———	2		weathered rock - refusal @ 22 ft bgs
						Advanced casing to set well. Casing refusal at 18 ft MW set at 18 ft bgs.

C Users hallen AppData Local Microsoft Windows INetCache Content Outlook UQLTVTJQ GEOLOGIC LOG -Shelton.docx

wsp

GEOLOGIC LOG
WSP USA
SHELTON, CONNECTICUT

SITE LOCATION: Pine St Trumbull, CT	SCREEN SIZE & TYPE: SLOT NO: SETTING:
DATE COMPLETED: 11/21/25	SAND PACK SIZE & TYPE:
DRILLING COMPANY: CES Bethany, CT	SETTING: no well installed
DRILLING METHOD: Geoprobe	CASING SIZE & TYPE: SETTING:
SAMPLING METHOD: Macrocore	SEAL TYPE:
OBSERVER: M-Shepard	SETTING:
REFERENCE POINT (RP): Grade	BACKFILL TYPE:
ELEVATION OF RP: ---	STATIC WATER LEVEL:
STICK-UP:	DEVELOPMENT METHOD:
SURFACE COMPLETION:	DURATION: YIELD:
REMARKS:	
GPS COORDINATES:	

OWNER:
BORING NO: MW - 3 (end of roadway)
PAGE 1 OF 1 PAGE

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million

DEPTH (FEET) FROM	TO	SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
0	5	MC	———	3.5		sand, f and silt; little/some f-c gravel brn; semi; mast. red brick/asphalt/concrete
5	10	MC	———	2		similar to previous
10	15	MC	———	3		SILT: little f. sand brn/tan; semi; mast layer of crushed rock
15	20	MC	———	5		weathered rock
						BOE at 20 ft
						offset — refusal 19 ft
						no water

wsp

GEOLOGIC LOG
WSP USA
SHELTON, CONNECTICUT

OWNER:
BORING NO: B1
PAGE 1 OF 1 PAGE

SITE LOCATION: Pine St Trumbull, CT	SCREEN SIZE & TYPE: SLOT NO: SETTING:
DATE COMPLETED: 11/21/25	SAND PACK SIZE & TYPE: SETTING:
DRILLING COMPANY: CES Bethany, CT	CASING SIZE & TYPE: SETTING:
DRILLING METHOD: Geoprobe	SEAL TYPE: SETTING:
SAMPLING METHOD: Macrocore	BACKFILL TYPE: cuttings
OBSERVER: M. Shepard	STATIC WATER LEVEL:
REFERENCE POINT (RP): grade	DEVELOPMENT METHOD:
ELEVATION OF RP: ---	DURATION: YIELD:
STICK-UP:	
SURFACE COMPLETION:	

REMARKS:

GPS COORDINATES: (1-2) @1320 PAHs/ETPH (10-11) @1325

ABBREVIATIONS: SS = split spoon W = wash C = cuttings G = grab ST = shelby tube REC = recovery PPM = parts per million

DEPTH (FEET) FROM	TO	SAMPLE TYPE	BLOW COUNT	REC. (FEET)	PID READING (PPM)	DESCRIPTION
0	5	MC	———	2		GRAVEL, f-c, some f-m sand; brn/dk brn, some asphalt/concrete/brick (fill)
5	10	MC	———	1.5		crushed concrete & rock; red brick
10	15	MC	———	3		10-11 ft similar to 0-5 ft
						11-13 ft [fill] SAND, f-m, little silt, little/some f-c gravel; tan, dense, dry
						BOE @ 15 ft

C Users hallea AppData Local Microsoft Windows INetCache Content Outlook UQLTVTJQ GEOLOGIC LOG -Shelton docx

APPENDIX II

WSP USA

LOW-FLOW SAMPLING LOG

PAGE 1 OF 1

SAMPLE DATE: 12/3/2025

TOTAL # WELLS: 2

Client Name: Town of Trumbull

Project Location: Sycamore St (off of Pine St) Trumbull, CT

Sampler(s): MS

Sample Pump: Geopump -US ENV

Tubing Type: LDPE - Tygon -

Monitoring Equipment: Horiba - US ENV

Well I.D. MW-1

Well Diameter (inches): 1.5

Total Depth (ft btoc): ~30

Depth to Water (ft btoc): 20.36

Screen Setting (ft btoc): _____ to _____

Tubing Intake (ft btoc): _____

Comments: Pump on at 1204

Horiba full at 1208

Well Condition: standpipe closed w/ washer & bolt; expansion plug

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (°C)	ORP (mV)
1316	20.43	~150	6.73	0.417	2.8	1.56	13.63	24
1319	20.44		6.66	0.421	8.2	1.36	13.56	26
1322	20.44		6.61	0.420	8.9	1.28	13.55	27
1325	20.44		6.60	0.418	8.1	1.26	13.56	30
1328	20.44		6.60	0.42	8.4	1.24	13.57	31

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Total Removed > Change in Storage (Y/N)?	pH	Conductivity (%)	Turbidity (%)	Dissolved oxygen (%)	Temperature (%)	ORP (mv)
1322	1325	0.00		0.01	0.5%	9.0%	1.6%	0.1%	3
1325	1328	0.00		0.00	0.7%	3.6%	1.6%	0.1%	1
1322	1328	0.00		0.01	1.2%	5.6%	3.1%	0.1%	4
Recommended Stabilization		≤ 0.3 ft. total	NA	+/- 0.1 unit	+/- 3%	<5 NTU or +/- 10%	+/- 10% if >0.5 mg/L	+/- 3%	+/- 10 mv
Stabilization: (Yes/No)		TRUE		TRUE	TRUE	TRUE	TRUE	TRUE	TRUE

Sample Time: 1330

ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units	°C	degrees Celsius
ml/min	milliliters per minute	mg/l	milligrams per liter	mv	millivolts
µs/cm	microseimens per centimeter	ms/cm	milliseimens per centimeter		

WSP USA

LOW-FLOW SAMPLING LOG

PAGE 1 OF 1

SAMPLE DATE: 12/3/2025

TOTAL # WELLS: 2

Client Name: Town of Trumbull

Project Location: Sycamore St (off of Pine St) Trumbull, CT

Sampler(s): MS

Sample Pump: Geopump -US ENV

Tubing Type: LDPE - Tygon -

Monitoring Equipment: Horiba - US ENV

Well I.D. MW-2

Well Diameter (inches): 1.5

Total Depth (ft btoc): ~21.1

Depth to Water (ft btoc): 15.7

Screen Setting (ft btoc): _____ to _____

Tubing Intake (ft btoc): _____

Comments: Pump on at 1204

Horiba full at 1208

Well Condition: standpipe closed w/ washer & bolt; expansion plug

Time (hours)	Depth to Water (ft btoc)	Evacuation Rate (ml/min)	Water Quality Monitoring Parameters					
			pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved oxygen (mg/l)	Temperature (^{o}C)	ORP (mV)
1209	16.21	100	6.44	1.130	0.0	2.86	13.12	-88
1215	16.70	100	5.88	0.146	0.0	2.26	12.87	173
1218	17.18	100	5.66	0.096	0.0	2.29	12.79	180
1221	17.40	100	5.54	0.013	0.0	3.11	12.73	184
1224	17.69	100	5.50	0.014	0.0	3.17	12.71	190
sampled before well went dry								

Stabilization of Parameters (stabilization achieved for three consecutive measurements)

Time FROM	Time TO	Depth to Water (ft btoc)	Total Removed > Change in Storage (Y/N)?	pH	Conductivity (%)	Turbidity (%)	Dissolved oxygen (%)	Temperature (%)	ORP (mv)
1218	1221	0.22		0.12	86.5%	< 5	26.4%	0.5%	4
1221	1224	0.29		0.04	7.1%	< 5	1.9%	0.2%	6
1218	1224	0.51		0.16	85.4%	< 5	27.8%	0.6%	10
Recommended Stabilization		≤ 0.3 ft. total	NA	+/- 0.1 unit	+/- 3%	<5 NTU or +/- 10%	+/- 10% if >0.5 mg/L	+/- 3%	+/- 10 mv
Stabilization: (Yes/No)		FALSE	X	FALSE	FALSE	TRUE	FALSE	TRUE	TRUE

Sample Time: 1225

ft btoc	feet below top of casing	NTU	Nephelometric Turbidity Units	^{o}C	degrees Celsius
ml/min	milliliters per minute	mg/l	milligrams per liter	mv	millivolts
µs/cm	microseimens per centimeter	ms/cm	milliseimens per centimeter		

APPENDIX III

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

Client: Mr. Darrick Jones
WSP USA, Inc.
4 Research Dr. Suite 204
Shelton, CT 06484

Analytical Report

CET# 25K0631

Report Date:December 02, 2025
Project: Sycamore, Trumbull

Connecticut Laboratory Certificate: PH 0116
Massachusetts Laboratory Certificate: M-CT903
Rhode Island Laboratory Certificate: 199

New York NELAP Accreditation: 11982
Pennsylvania Laboratory Certificate: 68-02927

SAMPLE SUMMARY

The sample(s) were received at 5.1°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
TP-1 (1ft)	25K0631-01	Soil	11/18/2025 8:30	11/20/2025
TP-2 (4ft)	25K0631-02	Soil	11/18/2025 8:40	11/20/2025
TP-3 (2ft)	25K0631-03	Soil	11/18/2025 9:00	11/20/2025
TP-3 (5.5ft)	25K0631-04	Soil	11/18/2025 9:05	11/20/2025
TP-4 (5ft)	25K0631-05	Soil	11/18/2025 9:17	11/20/2025
TP-5 (3.5ft)	25K0631-06	Soil	11/18/2025 9:32	11/20/2025
TP-6 (4.5ft)	25K0631-07	Soil	11/18/2025 9:55	11/20/2025
TP-7 (3.5ft)	25K0631-08	Soil	11/18/2025 10:15	11/20/2025
TP-8 (3.5ft)	25K0631-09	Soil	11/18/2025 10:35	11/20/2025
TP-8 (6.5ft)	25K0631-10	Soil	11/18/2025 10:40	11/20/2025
TP-9 (1.5ft)	25K0631-11	Soil	11/18/2025 10:55	11/20/2025
TP-9 (4ft)	25K0631-12	Soil	11/18/2025 10:58	11/20/2025
TP-10 (3ft)	25K0631-13	Soil	11/18/2025 11:12	11/20/2025
TP-11 (1.5ft)	25K0631-14	Soil	11/18/2025 11:25	11/20/2025
TP-11 (6ft)	25K0631-15	Soil	11/18/2025 11:27	11/20/2025
TP-12 (2ft)	25K0631-16	Soil	11/18/2025 11:44	11/20/2025
TP-13 (1.5ft)	25K0631-17	Soil	11/18/2025 11:58	11/20/2025
TP-13 (5ft)	25K0631-18	Soil	11/18/2025 12:05	11/20/2025
TP-13 (Ex)	25K0631-19	Soil	11/18/2025 12:07	11/20/2025
TP-6 (2ft)	25K0631-20	Soil	11/18/2025	11/20/2025

Analyte: Percent Solids [SM 2540 G]

Analyst: ALR

Matrix: Soil

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
25K0631-01	TP-1 (1ft)	88	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-02	TP-2 (4ft)	85	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-03	TP-3 (2ft)	87	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-04	TP-3 (5.5ft)	87	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-06	TP-5 (3.5ft)	85	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-07	TP-6 (4.5ft)	80	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-08	TP-7 (3.5ft)	79	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-09	TP-8 (3.5ft)	85	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-10	TP-8 (6.5ft)	90	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-11	TP-9 (1.5ft)	85	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-12	TP-9 (4ft)	93	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-13	TP-10 (3ft)	88	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-15	TP-11 (6ft)	88	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-16	TP-12 (2ft)	84	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-17	TP-13 (1.5ft)	87	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-18	TP-13 (5ft)	89	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-19	TP-13 (Ex)	90	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	
25K0631-20	TP-6 (2ft)	86	1.0	%	1	BK52302	11/23/2025	11/23/2025 11:34	

Analyte: Mercury [EPA 7471B]

Analyst: CJR

Matrix: Soil

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
25K0631-01	TP-1 (1ft)	ND	0.13	mg/kg dry	1	BK52513	11/25/2025	11/25/2025 11:46	
25K0631-02	TP-2 (4ft)	ND	0.15	mg/kg dry	1	BK52513	11/25/2025	11/25/2025 11:49	
25K0631-03	TP-3 (2ft)	ND	0.14	mg/kg dry	1	BK52513	11/25/2025	11/25/2025 11:51	

Client Sample ID TP-1 (1ft)

Lab ID: 25K0631-01

Total Metals **Analyst: SS**

Method: EPA 6010D **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**68**	2.1	1	EPA 3051A	BK52417	11/24/2025	11/24/2025 12:50	
Cadmium	ND	0.52	1	EPA 3051A	BK52417	11/24/2025	11/24/2025 12:50	
Arsenic	**5.0**	2.1	1	EPA 3051A	BK52417	11/24/2025	11/24/2025 12:50	
Copper	**22**	2.1	1	EPA 3051A	BK52417	11/24/2025	11/24/2025 12:50	

Conn. Extractable TPH **Analyst: CGS**

Method: CT-ETPH **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	ND	56	1	EPA 3550C	BK52148	11/21/2025	11/22/2025 05:11	
Surrogate: Octacosane	*98.1 %*	*50 - 150*			BK52148	11/21/2025	*11/22/2025 05:11*	

Chlorinated Pesticides **Analyst: MFJ**

Method: EPA 8081B **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorobenzene	ND	0.56	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Alpha-BHC	ND	1.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Gamma-BHC	ND	0.56	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Heptachlor	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Aldrin	ND	1.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Beta-BHC	ND	1.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Delta-BHC	ND	1.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Heptachlor Epoxide	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Endosulfan I	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
4,4-DDE	**6.9**	0.56	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Dieldrin	**2.3**	0.56	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Endrin	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
4,4-DDD	ND	0.56	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Endosulfan II	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	

Client Sample ID TP-1 (1ft)

Lab ID: 25K0631-01

Chlorinated Pesticides **Analyst: MFJ**

Method: EPA 8081B **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
4,4-DDT	**8.6**	0.56	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Endrin Aldehyde	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
4,4-Methoxychlor	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Endosulfan Sulfate	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Endrin Ketone	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Chlordane	**120**	17	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Toxaphene	ND	56	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Alachlor	ND	28	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:25	
Surrogate: TCMX [1C]	*71.2 %*	*30 - 150*			BL50110	12/01/2025	*12/01/2025 18:25*	
Surrogate: DCB [1C]	*91.0 %*	*30 - 150*			BL50110	12/01/2025	*12/01/2025 18:25*	
Surrogate: TCMX [2C]	*61.6 %*	*30 - 150*			BL50110	12/01/2025	*12/01/2025 18:25*	
Surrogate: DCB [2C]	*83.3 %*	*30 - 150*			BL50110	12/01/2025	*12/01/2025 18:25*	

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	110	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
2-Methyl Naphthalene	ND	220	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
Acenaphthylene	**150**	110	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
Acenaphthene	**190**	110	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
Fluorene	**220**	110	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
Phenanthrene	**2000**	110	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
Anthracene	**540**	110	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
Fluoranthene	**3300**	110	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
Pyrene	**2500**	110	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
Benzo[a]anthracene	**1400**	110	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
Chrysene	**1500**	110	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
Benzo[b]fluoranthene	**1700**	110	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
Benzo[k]fluoranthene	**640**	110	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
Benzo[a]pyrene	**1400**	110	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
Indeno[1,2,3-cd]pyrene	**730**	110	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
Dibenz[a,h]anthracene	**230**	110	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
Benzo[g,h,i]perylene	**880**	110	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:21	
Surrogate: Nitrobenzene-d5	*72.2 %*	*30 - 130*			BK52416	11/24/2025	*11/25/2025 23:21*	
Surrogate: 2-Fluorobiphenyl	*77.6 %*	*30 - 130*			BK52416	11/24/2025	*11/25/2025 23:21*	

Client Sample ID TP-1 (1ft)

Lab ID: 25K0631-01

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Terphenyl-d14	*85.8 %*	*30 - 130*			BK52416	11/24/2025	*11/25/2025 23:21*	

Client Sample ID TP-2 (4ft)

Lab ID: 25K0631-02

Total Metals **Analyst: SS**

Method: EPA 6010D **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**66**	2.2	1	EPA 3051A	BK52417	11/24/2025	11/24/2025 13:32	
Cadmium	ND	0.54	1	EPA 3051A	BK52417	11/24/2025	11/24/2025 13:32	
Arsenic	**5.8**	2.2	1	EPA 3051A	BK52417	11/24/2025	11/24/2025 13:32	
Copper	**34**	2.2	1	EPA 3051A	BK52417	11/24/2025	11/24/2025 13:32	

Conn. Extractable TPH **Analyst: CGS**

Method: CT-ETPH **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	**75**	58	1	EPA 3550C	BK52148	11/21/2025	11/22/2025 05:32	1, 7
Surrogate: Octacosane	*98.4 %*	*50 - 150*			BK52148	11/21/2025	*11/22/2025 05:32*	

1 C18-C36 may be PNA Related

7 C18-C36 range unkown

Chlorinated Pesticides **Analyst: MFJ**

Method: EPA 8081B **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorobenzene	ND	0.58	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Alpha-BHC	ND	1.2	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Gamma-BHC	ND	0.58	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Heptachlor	ND	2.9	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Aldrin	ND	1.2	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Beta-BHC	ND	1.2	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Delta-BHC	ND	1.2	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Heptachlor Epoxide	ND	2.9	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Endosulfan I	ND	2.9	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
4,4-DDE	**6.7**	0.58	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Dieldrin	**3.0**	0.58	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Endrin	ND	2.9	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
4,4-DDD	ND	0.58	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Endosulfan II	ND	2.9	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	

Client Sample ID TP-2 (4ft)

Lab ID: 25K0631-02

Chlorinated Pesticides **Analyst: MFJ**

Method: EPA 8081B **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
4,4-DDT	**11**	0.58	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Endrin Aldehyde	ND	2.9	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
4,4-Methoxychlor	ND	2.9	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Endosulfan Sulfate	ND	2.9	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Endrin Ketone	ND	2.9	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Chlordane	**100**	17	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Toxaphene	ND	58	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Alachlor	ND	29	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:38	
Surrogate: TCMX [1C]	*59.6 %*	*30 - 150*			BL50110	12/01/2025	*12/01/2025 18:38*	
Surrogate: DCB [1C]	*75.3 %*	*30 - 150*			BL50110	12/01/2025	*12/01/2025 18:38*	
Surrogate: TCMX [2C]	*51.8 %*	*30 - 150*			BL50110	12/01/2025	*12/01/2025 18:38*	
Surrogate: DCB [2C]	*68.7 %*	*30 - 150*			BL50110	12/01/2025	*12/01/2025 18:38*	

PCBs by 8082 **Analyst: ARB**

Method: EPA 8082A **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.058	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:38	
PCB-1221	ND	0.058	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:38	
PCB-1232	ND	0.058	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:38	
PCB-1242	ND	0.058	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:38	
PCB-1248	ND	0.058	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:38	
PCB-1254	ND	0.058	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:38	
PCB-1260	ND	0.058	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:38	
PCB-1268	ND	0.058	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:38	
PCB-1262	ND	0.058	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:38	
Surrogate: TCMX [1C]	*66.5 %*	*30 - 150*			BK52307	11/23/2025	*11/25/2025 01:38*	
Surrogate: TCMX [2C]	*68.7 %*	*30 - 150*			BK52307	11/23/2025	*11/25/2025 01:38*	
Surrogate: DCB [1C]	*68.2 %*	*30 - 150*			BK52307	11/23/2025	*11/25/2025 01:38*	
Surrogate: DCB [2C]	*73.2 %*	*30 - 150*			BK52307	11/23/2025	*11/25/2025 01:38*	

Client Sample ID TP-2 (4ft)

Lab ID: 25K0631-02

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	120	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
2-Methyl Naphthalene	ND	230	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
Acenaphthylene	**210**	120	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
Acenaphthene	ND	120	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
Fluorene	ND	120	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
Phenanthrene	**820**	120	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
Anthracene	**260**	120	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
Fluoranthene	**2100**	120	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
Pyrene	**1800**	120	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
Benzo[a]anthracene	**1000**	120	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
Chrysene	**1200**	120	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
Benzo[b]fluoranthene	**1400**	120	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
Benzo[k]fluoranthene	**570**	120	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
Benzo[a]pyrene	**1200**	120	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
Indeno[1,2,3-cd]pyrene	**680**	120	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
Dibenz[a,h]anthracene	**200**	120	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
Benzo[g,h,i]perylene	**890**	120	1	EPA 3546	BK52416	11/24/2025	11/25/2025 23:47	
Surrogate: Nitrobenzene-d5	*74.6 %*		*30 - 130*		BK52416	11/24/2025	*11/25/2025 23:47*	
Surrogate: 2-Fluorobiphenyl	*79.5 %*		*30 - 130*		BK52416	11/24/2025	*11/25/2025 23:47*	
Surrogate: Terphenyl-d14	*87.6 %*		*30 - 130*		BK52416	11/24/2025	*11/25/2025 23:47*	

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	17	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	D*I
Chloromethane	ND	12	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Vinyl Chloride	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Bromomethane	ND	12	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	*C2*I
Chloroethane	ND	12	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Trichlorofluoromethane	ND	46	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Acetone	ND	170	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	*C2
Acrylonitrile	ND	9.2	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Trichlorotrifluoroethane	ND	46	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	*C2
1,1-Dichloroethene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
t-Butanol	ND	58	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	

Client Sample ID TP-2 (4ft)

Lab ID: 25K0631-02

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Methylene Chloride	ND	69	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Carbon Disulfide	ND	12	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Methyl-t-Butyl Ether (MTBE)	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
trans-1,2-Dichloroethene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Di-isopropyl ether	ND	12	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,1-Dichloroethane	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
t-Butyl ethyl ether	ND	12	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
2-Butanone (MEK)	ND	29	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
2,2-Dichloropropane	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
cis-1,2-Dichloroethene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Bromochloromethane	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Chloroform	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Tetrahydrofuran	ND	29	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,1,1-Trichloroethane	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
tert-Amyl methyl ether (TAME)	ND	12	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	*F2
Carbon Tetrachloride	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,1-Dichloropropene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Benzene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,2-Dichloroethane	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Trichloroethene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,2-Dichloropropane	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Dibromomethane	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Bromodichloromethane	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Methyl Isobutyl Ketone	ND	29	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
cis-1,3-Dichloropropene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Toluene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
trans-1,3-Dichloropropene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
2-Hexanone	ND	29	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,1,2-Trichloroethane	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Tetrachloroethene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,3-Dichloropropane	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Dibromochloromethane	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,2-Dibromoethane	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
trans-1,4-Dichloro-2-Butene	ND	29	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	*C1
Chlorobenzene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,1,1,2-Tetrachloroethane	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Ethylbenzene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
m+p Xylenes	ND	12	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
o-Xylene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Styrene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Bromoform	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	

CET # : 25K0631
Project: Sycamore, Trumbull

Client Sample ID TP-2 (4ft)

Lab ID: 25K0631-02

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Isopropylbenzene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,1,2,2-Tetrachloroethane	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Bromobenzene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	*C1
1,2,3-Trichloropropane	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
n-Propylbenzene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
2-Chlorotoluene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
4-Chlorotoluene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,3,5-Trimethylbenzene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
tert-Butylbenzene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,2,4-Trimethylbenzene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
sec-Butylbenzene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,3-Dichlorobenzene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
4-Isopropyltoluene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,4-Dichlorobenzene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,2-Dichlorobenzene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
n-Butylbenzene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,2-Dibromo-3-Chloropropane	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	*C1
1,2,4-Trichlorobenzene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Hexachlorobutadiene	ND	5.8	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Naphthalene	ND	12	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,2,3-Trichlorobenzene	ND	12	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Ethyl Ether	ND	58	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
1,4-Dioxane	ND	230	1.97	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:31	
Surrogate: 1,2-Dichloroethane-d4	*101 %*		*70 - 130*		BK52438	11/24/2025	*11/24/2025 18:31*	
Surrogate: Toluene-d8	*96.9 %*		*70 - 130*		BK52438	11/24/2025	*11/24/2025 18:31*	
Surrogate: 4-Bromofluorobenzene	*104 %*		*70 - 130*		BK52438	11/24/2025	*11/24/2025 18:31*	

Client Sample ID TP-3 (2ft)

Lab ID: 25K0631-03

Total Metals **Analyst: SS**

Method: EPA 6010D **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**46**	2.2	1	EPA 3051A	BK52417	11/24/2025	11/24/2025 13:37	
Cadmium	ND	0.54	1	EPA 3051A	BK52417	11/24/2025	11/24/2025 13:37	
Arsenic	**5.3**	2.2	1	EPA 3051A	BK52417	11/24/2025	11/24/2025 13:37	
Copper	**24**	2.2	1	EPA 3051A	BK52417	11/24/2025	11/24/2025 13:37	

Conn. Extractable TPH **Analyst: CGS**

Method: CT-ETPH **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	**97**	57	1	EPA 3550C	BK52148	11/21/2025	11/22/2025 05:54	1, 7
Surrogate: Octacosane	*94.2 %*	*50 - 150*			BK52148	11/21/2025	*11/22/2025 05:54*	

1 C18-C36 may be PNA Related

7 C18-C36 range unkown

Chlorinated Pesticides **Analyst: MFJ**

Method: EPA 8081B **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorobenzene	ND	0.56	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Alpha-BHC	ND	1.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Gamma-BHC	ND	0.56	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Heptachlor	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Aldrin	ND	1.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Beta-BHC	ND	1.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Delta-BHC	ND	1.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Heptachlor Epoxide	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Endosulfan I	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
4,4-DDE	**3.6**	0.56	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Dieldrin	**2.4**	0.56	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Endrin	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
4,4-DDD	ND	0.56	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Endosulfan II	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	

Client Sample ID TP-3 (2ft)

Lab ID: 25K0631-03

Chlorinated Pesticides **Analyst: MFJ**

Method: EPA 8081B **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
4,4-DDT	**7.5**	0.56	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Endrin Aldehyde	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
4,4-Methoxychlor	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Endosulfan Sulfate	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Endrin Ketone	ND	2.8	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Chlordane	**160**	17	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Toxaphene	ND	56	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Alachlor	ND	28	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 18:51	
Surrogate: TCMX [1C]	*61.1 %*	*30 - 150*			BL50110	12/01/2025	*12/01/2025 18:51*	
Surrogate: DCB [1C]	*73.3 %*	*30 - 150*			BL50110	12/01/2025	*12/01/2025 18:51*	
Surrogate: TCMX [2C]	*51.6 %*	*30 - 150*			BL50110	12/01/2025	*12/01/2025 18:51*	
Surrogate: DCB [2C]	*68.1 %*	*30 - 150*			BL50110	12/01/2025	*12/01/2025 18:51*	

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
2-Methyl Naphthalene	ND	230	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
Acenaphthylene	**190**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
Acenaphthene	**340**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
Fluorene	**310**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
Phenanthrene	**3100**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
Anthracene	**820**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
Fluoranthene	**4300**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
Pyrene	**3300**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
Benzo[a]anthracene	**1800**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
Chrysene	**2000**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
Benzo[b]fluoranthene	**2400**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
Benzo[k]fluoranthene	**810**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
Benzo[a]pyrene	**1900**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
Indeno[1,2,3-cd]pyrene	**1000**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
Dibenz[a,h]anthracene	**300**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
Benzo[g,h,i]perylene	**1300**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:12	
Surrogate: Nitrobenzene-d5	*73.1 %*	*30 - 130*			BK52416	11/24/2025	*11/26/2025 00:12*	
Surrogate: 2-Fluorobiphenyl	*77.7 %*	*30 - 130*			BK52416	11/24/2025	*11/26/2025 00:12*	

Client Sample ID TP-3 (2ft)

Lab ID: 25K0631-03

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: Terphenyl-d14	*85.3 %*	*30 - 130*			BK52416	11/24/2025	*11/26/2025 00:12*	

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	23	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	D*I
Chloromethane	ND	15	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Vinyl Chloride	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Bromomethane	ND	15	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	*C2*I
Chloroethane	ND	15	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Trichlorofluoromethane	ND	60	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Acetone	ND	230	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	*C2
Acrylonitrile	ND	12	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Trichlorotrifluoroethane	ND	60	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	*C2
1,1-Dichloroethene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
t-Butanol	ND	75	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Methylene Chloride	ND	90	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Carbon Disulfide	ND	15	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Methyl-t-Butyl Ether (MTBE)	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
trans-1,2-Dichloroethene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Di-isopropyl ether	ND	15	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
1,1-Dichloroethane	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
t-Butyl ethyl ether	ND	15	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
2-Butanone (MEK)	ND	38	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
2,2-Dichloropropane	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
cis-1,2-Dichloroethene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Bromochloromethane	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Chloroform	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Tetrahydrofuran	ND	38	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
1,1,1-Trichloroethane	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
tert-Amyl methyl ether (TAME)	ND	15	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	*F2
Carbon Tetrachloride	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
1,1-Dichloropropene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Benzene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
1,2-Dichloroethane	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Trichloroethene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	

Client Sample ID TP-3 (2ft)

Lab ID: 25K0631-03

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
1,2-Dichloropropane	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Dibromomethane	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Bromodichloromethane	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Methyl Isobutyl Ketone	ND	38	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
cis-1,3-Dichloropropene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Toluene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
trans-1,3-Dichloropropene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
2-Hexanone	ND	38	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
1,1,2-Trichloroethane	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Tetrachloroethene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
1,3-Dichloropropane	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Dibromochloromethane	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
1,2-Dibromoethane	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
trans-1,4-Dichloro-2-Butene	ND	38	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	*C1
Chlorobenzene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
1,1,1,2-Tetrachloroethane	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Ethylbenzene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
m+p Xylenes	ND	15	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
o-Xylene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Styrene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Bromoform	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Isopropylbenzene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
1,1,2,2-Tetrachloroethane	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Bromobenzene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	*C1
1,2,3-Trichloropropane	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
n-Propylbenzene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
2-Chlorotoluene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
4-Chlorotoluene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
1,3,5-Trimethylbenzene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
tert-Butylbenzene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
1,2,4-Trimethylbenzene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
sec-Butylbenzene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
1,3-Dichlorobenzene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
4-Isopropyltoluene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
1,4-Dichlorobenzene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
1,2-Dichlorobenzene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
n-Butylbenzene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
1,2-Dibromo-3-Chloropropane	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	*C1
1,2,4-Trichlorobenzene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Hexachlorobutadiene	ND	7.5	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Naphthalene	ND	15	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	

Client Sample ID TP-3 (2ft)

Lab ID: 25K0631-03

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
1,2,3-Trichlorobenzene	ND	15	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Ethyl Ether	ND	75	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
1,4-Dioxane	ND	300	2.62	EPA 5035A-L	BK52438	11/24/2025	11/24/2025 18:56	
Surrogate: 1,2-Dichloroethane-d4	*100 %*		*70 - 130*		BK52438	11/24/2025	*11/24/2025 18:56*	
Surrogate: Toluene-d8	*102 %*		*70 - 130*		BK52438	11/24/2025	*11/24/2025 18:56*	
Surrogate: 4-Bromofluorobenzene	*104 %*		*70 - 130*		BK52438	11/24/2025	*11/24/2025 18:56*	

Client Sample ID TP-3 (5.5ft)

Lab ID: 25K0631-04

Conn. Extractable TPH **Analyst: CGS**

Method: CT-ETPH **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	ND	57	1	EPA 3550C	BK52148	11/21/2025	11/22/2025 06:15	
Surrogate: Octacosane	*97.5 %*	*50 - 150*			BK52148	11/21/2025	*11/22/2025 06:15*	

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
2-Methyl Naphthalene	ND	230	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
Acenaphthylene	ND	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
Acenaphthene	ND	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
Fluorene	ND	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
Phenanthrene	**630**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
Anthracene	**190**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
Fluoranthene	**1400**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
Pyrene	**1200**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
Benzo[a]anthracene	**710**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
Chrysene	**890**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
Benzo[b]fluoranthene	**1200**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
Benzo[k]fluoranthene	**380**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
Benzo[a]pyrene	**940**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
Indeno[1,2,3-cd]pyrene	**600**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
Dibenz[a,h]anthracene	**170**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
Benzo[g,h,i]perylene	**900**	110	1	EPA 3546	BK52416	11/24/2025	11/26/2025 00:37	
Surrogate: Nitrobenzene-d5	*75.4 %*	*30 - 130*			BK52416	11/24/2025	*11/26/2025 00:37*	
Surrogate: 2-Fluorobiphenyl	*78.4 %*	*30 - 130*			BK52416	11/24/2025	*11/26/2025 00:37*	
Surrogate: Terphenyl-d14	*89.4 %*	*30 - 130*			BK52416	11/24/2025	*11/26/2025 00:37*	

Client Sample ID TP-4 (5ft)

Lab ID: 25K0631-05

SPLP Metals **Analyst: SS**

Method: EPA 6020B-1312 **Matrix: Extract**

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	ND	0.013	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:24	
Cadmium	ND	0.0050	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:24	
Arsenic	ND	0.0090	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:24	
Copper	ND	0.040	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:24	
Mercury	ND	0.0020	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:24	

SPLP Organics **Analyst: MFJ**

Method: EPA 8081B-1312 **Matrix: Extract**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorobenzene	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Alpha-BHC	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Gamma-BHC	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Heptachlor	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Aldrin	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Beta-BHC	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Delta-BHC	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Heptachlor Epoxide	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Endosulfan I	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
4,4-DDE	ND	0.0010	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Dieldrin	ND	0.0020	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Endrin	ND	0.022	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
4,4-DDD	ND	0.0010	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Endosulfan II	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
4,4-DDT	ND	0.0010	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Endrin Aldehyde	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
4,4-Methoxychlor	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Endosulfan Sulfate	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Endrin Ketone	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Chlordane	ND	0.20	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Toxaphene	ND	0.80	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Alachlor	ND	0.20	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:19	
Surrogate: TCMX [1C]	*77.0 %*	*30 - 150*			BK52601	11/26/2025	*11/26/2025 18:19*	
Surrogate: TCMX [2C]	*69.0 %*	*30 - 150*			BK52601	11/26/2025	*11/26/2025 18:19*	
Surrogate: DCB [1C]	*57.0 %*	*30 - 150*			BK52601	11/26/2025	*11/26/2025 18:19*	

Client Sample ID TP-4 (5ft)

Lab ID: 25K0631-05

SPLP Organics **Analyst: MFJ**

Method: EPA 8081B-1312 **Matrix: Extract**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: DCB [2C]	*55.0 %*		*30 - 150*		BK52601	11/26/2025	*11/26/2025 18:19*	

SPLP Semivolatiles **Analyst: MJH**

Method: EPA 8270E-1312 **Matrix: Extract**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
2-Methyl Naphthalene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
Acenaphthylene	ND	0.30	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
Acenaphthene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
Fluorene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
Phenanthrene	ND	0.077	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
Anthracene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
Fluoranthene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
Pyrene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
Benzo[a]anthracene	ND	0.060	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
Chrysene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
Benzo[b]fluoranthene	ND	0.080	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
Benzo[k]fluoranthene	ND	0.30	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
Benzo[a]pyrene	ND	0.20	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
Dibenz[a,h]anthracene	ND	0.10	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
Benzo[g,h,i]perylene	ND	0.40	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 17:54	
Surrogate: Nitrobenzene-d5	*38.8 %*		*30 - 130*		BK52602	11/26/2025	*11/26/2025 17:54*	
Surrogate: 2-Fluorobiphenyl	*42.2 %*		*30 - 130*		BK52602	11/26/2025	*11/26/2025 17:54*	
Surrogate: Terphenyl-d14	*46.0 %*		*30 - 130*		BK52602	11/26/2025	*11/26/2025 17:54*	

Client Sample ID TP-5 (3.5ft)

Lab ID: 25K0631-06

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
2-Methyl Naphthalene	ND	230	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
Acenaphthylene	**160**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
Acenaphthene	ND	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
Fluorene	ND	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
Phenanthrene	**1100**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
Anthracene	**280**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
Fluoranthene	**2800**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
Pyrene	**2200**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
Benzo[a]anthracene	**1200**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
Chrysene	**1300**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
Benzo[b]fluoranthene	**1600**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
Benzo[k]fluoranthene	**620**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
Benzo[a]pyrene	**1300**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
Indeno[1,2,3-cd]pyrene	**740**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
Dibenz[a,h]anthracene	**230**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
Benzo[g,h,i]perylene	**920**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:26	
Surrogate: Nitrobenzene-d5	*68.9 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 18:26*	
Surrogate: 2-Fluorobiphenyl	*78.3 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 18:26*	
Surrogate: Terphenyl-d14	*85.7 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 18:26*	

Client Sample ID TP-6 (4.5ft)

Lab ID: 25K0631-07

SPLP Metals **Analyst: SS**

Method: EPA 6020B-1312 **Matrix: Extract**

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**0.021**	0.013	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:30	
Cadmium	ND	0.0050	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:30	
Arsenic	ND	0.0090	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:30	
Copper	ND	0.040	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:30	
Mercury	ND	0.0020	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:30	

Chlorinated Pesticides **Analyst: MFJ**

Method: EPA 8081B **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorobenzene	ND	0.62	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Alpha-BHC	ND	1.2	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Gamma-BHC	ND	0.62	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Heptachlor	ND	3.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Aldrin	ND	1.2	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Beta-BHC	ND	1.2	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Delta-BHC	ND	1.2	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Heptachlor Epoxide	ND	3.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Endosulfan I	ND	3.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
4,4-DDE	**4.2**	0.62	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Dieldrin	**2.8**	0.62	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Endrin	ND	3.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
4,4-DDD	ND	0.62	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Endosulfan II	ND	3.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
4,4-DDT	**9.6**	0.62	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Endrin Aldehyde	ND	3.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
4,4-Methoxychlor	ND	3.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Endosulfan Sulfate	ND	3.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Endrin Ketone	ND	3.1	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Chlordane	**90**	19	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Toxaphene	ND	62	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Alachlor	ND	31	1	EPA 3545A	BL50110	12/01/2025	12/01/2025 19:04	
Surrogate: TCMX [1C]	*79.5 %*	*30 - 150*			BL50110	12/01/2025	*12/01/2025 19:04*	
Surrogate: DCB [1C]	*94.0 %*	*30 - 150*			BL50110	12/01/2025	*12/01/2025 19:04*	
Surrogate: TCMX [2C]	*67.4 %*	*30 - 150*			BL50110	12/01/2025	*12/01/2025 19:04*	

Client Sample ID TP-6 (4.5ft)

Lab ID: 25K0631-07

Chlorinated Pesticides **Analyst: MFJ**

Method: EPA 8081B **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: DCB [2C]	*88.5 %*	*30 - 150*			BL50110	12/01/2025	*12/01/2025 19:04*	

PCBs by 8082 **Analyst: ARB**

Method: EPA 8082A **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.062	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:57	
PCB-1221	ND	0.062	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:57	
PCB-1232	ND	0.062	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:57	
PCB-1242	ND	0.062	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:57	
PCB-1248	ND	0.062	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:57	
PCB-1254	ND	0.062	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:57	
PCB-1260	ND	0.062	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:57	
PCB-1268	ND	0.062	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:57	
PCB-1262	ND	0.062	1	EPA 3546	BK52307	11/23/2025	11/25/2025 01:57	
Surrogate: TCMX [1C]	*71.1 %*	*30 - 150*			BK52307	11/23/2025	*11/25/2025 01:57*	
Surrogate: TCMX [2C]	*72.4 %*	*30 - 150*			BK52307	11/23/2025	*11/25/2025 01:57*	
Surrogate: DCB [1C]	*66.6 %*	*30 - 150*			BK52307	11/23/2025	*11/25/2025 01:57*	
Surrogate: DCB [2C]	*71.6 %*	*30 - 150*			BK52307	11/23/2025	*11/25/2025 01:57*	

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Phenol	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
1,3-Dichlorobenzene	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
n-Nitroso-di-n-propylamine	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Pyridine	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
n-Nitroso-dimethylamine	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
bis(2-Chloroethyl)ether	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Aniline	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
2-Chlorophenol	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	

Client Sample ID TP-6 (4.5ft)

Lab ID: 25K0631-07

Semivolatile Organics
Method: EPA 8270E

Analyst: MJH
Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
1,4-Dichlorobenzene	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Benzyl Alcohol	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	*I
1,2-Dichlorobenzene	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
bis(2-Chloroisopropyl)ether	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Hexachloroethane	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
2-Methyl Phenol	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
3+4 Methyl Phenol	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Naphthalene	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
2-Nitrophenol	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	*C2
2,4-Dichlorophenol	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Hexachlorobutadiene	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
4-Chloro-3-methylphenol	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Nitrobenzene	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Isophorone	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
2,4-Dimethylphenol	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
bis(2-Chloroethoxy)methane	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Benzoic Acid	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
1,2,4-Trichlorobenzene	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
2,6-Dichlorophenol	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
4-Chloroaniline	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
1,2,4,5-Tetrachlorobenzene	ND	61	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
2-Methyl Naphthalene	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Acenaphthylene	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Acenaphthene	**130**	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Dibenzofuran	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Fluorene	**170**	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Hexachlorocyclopentadiene	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
2,4,6-Trichlorophenol	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
2,4,5-Trichlorophenol	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
2,4-Dinitrophenol	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	*C1
4-Nitrophenol	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
2-Chloronaphthalene	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
2-Nitroaniline	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Dimethylphthalate	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
2,6-Dinitrotoluene	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	*C2
4-Nitroaniline	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
2,4-Dinitrotoluene	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	*C2
2,3,4,6-Tetrachlorophenol	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
4-Chlorophenyl-phenylether	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Diethylphthalate	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	*C1
Phenanthrene	**1800**	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	

Client Sample ID TP-6 (4.5ft)

Lab ID: 25K0631-07

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Anthracene	**400**	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Carbazole	**180**	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Fluoranthene	**3400**	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Pyrene	**2700**	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
n-Nitrosodiphenylamine	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Pentachlorophenol	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
3-Nitroaniline	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	*C2
4,6-Dinitro-2-methylphenol	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
1,2-Diphenylhydrazine	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
4-Bromophenyl-phenylether	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Hexachlorobenzene	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Di-n-butylphthalate	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Pentachloronitrobenzene	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Benzo[a]anthracene	**1400**	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Chrysene	**1600**	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Butylbenzylphthalate	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
3,3-Dichlorobenzidine	ND	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
bis(2-Ethylhexyl)phthalate	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Di-n-octylphthalate	ND	240	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Benzo[b]fluoranthene	**1800**	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Benzo[k]fluoranthene	**680**	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Benzo[a]pyrene	**1500**	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Indeno[1,2,3-cd]pyrene	**800**	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Dibenz[a,h]anthracene	**240**	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Acetophenone	ND	370	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Benzo[g,h,i]perylene	**980**	120	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:26	
Surrogate: 2-Fluorophenol	*73.0 %*	*30 - 130*			BK52404	11/24/2025	*11/24/2025 23:26*	
Surrogate: Phenol-d6	*75.2 %*	*30 - 130*			BK52404	11/24/2025	*11/24/2025 23:26*	
Surrogate: Nitrobenzene-d5	*71.6 %*	*30 - 130*			BK52404	11/24/2025	*11/24/2025 23:26*	
Surrogate: 2-Fluorobiphenyl	*75.7 %*	*30 - 130*			BK52404	11/24/2025	*11/24/2025 23:26*	
Surrogate: 2,4,6-Tribromophenol	*97.0 %*	*30 - 130*			BK52404	11/24/2025	*11/24/2025 23:26*	
Surrogate: Terphenyl-d14	*81.4 %*	*30 - 130*			BK52404	11/24/2025	*11/24/2025 23:26*	

Client Sample ID TP-6 (4.5ft)

Lab ID: 25K0631-07

SPLP Semivolatiles **Analyst: MJH**

Method: EPA 8270E-1312 **Matrix: Extract**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
2-Methyl Naphthalene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
Acenaphthylene	ND	0.30	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
Acenaphthene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
Fluorene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
Phenanthrene	ND	0.077	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
Anthracene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
Fluoranthene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
Pyrene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
Benzo[a]anthracene	ND	0.060	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
Chrysene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
Benzo[b]fluoranthene	ND	0.080	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
Benzo[k]fluoranthene	ND	0.30	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
Benzo[a]pyrene	ND	0.20	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
Dibenz[a,h]anthracene	ND	0.10	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
Benzo[g,h,i]perylene	ND	0.40	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:17	
Surrogate: Nitrobenzene-d5	*34.2 %*	*30 - 130*			BK52602	11/26/2025	*11/26/2025 18:17*	
Surrogate: 2-Fluorobiphenyl	*39.6 %*	*30 - 130*			BK52602	11/26/2025	*11/26/2025 18:17*	
Surrogate: Terphenyl-d14	*50.8 %*	*30 - 130*			BK52602	11/26/2025	*11/26/2025 18:17*	

Client Sample ID TP-7 (3.5ft)

Lab ID: 25K0631-08

SPLP Metals **Analyst: SS**

Method: EPA 6020B-1312 **Matrix: Extract**

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**0.023**	0.013	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:35	
Cadmium	ND	0.0050	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:35	
Arsenic	ND	0.0090	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:35	
Copper	**0.083**	0.040	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:35	
Mercury	ND	0.0020	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:35	

Conn. Extractable TPH **Analyst: CGS**

Method: CT-ETPH **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	**180**	63	1	EPA 3550C	BK52148	11/21/2025	11/22/2025 06:36	1, 7
Surrogate: Octacosane	*107 %*	*50 - 150*			BK52148	11/21/2025	*11/22/2025 06:36*	

1 C18-C36 may be PNA Related
7 C18-C36 range unkown

SPLP Organics **Analyst: MFJ**

Method: EPA 8081B-1312 **Matrix: Extract**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorobenzene	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Alpha-BHC	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Gamma-BHC	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Heptachlor	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Aldrin	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Beta-BHC	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Delta-BHC	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Heptachlor Epoxide	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Endosulfan I	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
4,4-DDE	ND	0.0010	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Dieldrin	ND	0.0020	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Endrin	ND	0.022	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
4,4-DDD	ND	0.0010	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	

Client Sample ID TP-7 (3.5ft)

Lab ID: 25K0631-08

SPLP Organics **Analyst: MFJ**

Method: EPA 8081B-1312 **Matrix: Extract**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Endosulfan II	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
4,4-DDT	ND	0.0010	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Endrin Aldehyde	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
4,4-Methoxychlor	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Endosulfan Sulfate	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Endrin Ketone	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Chlordane	ND	0.20	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Toxaphene	ND	0.80	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Alachlor	ND	0.20	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:32	
Surrogate: TCMX [1C]	*88.0 %*	*30 - 150*			BK52601	11/26/2025	*11/26/2025 18:32*	
Surrogate: TCMX [2C]	*83.0 %*	*30 - 150*			BK52601	11/26/2025	*11/26/2025 18:32*	
Surrogate: DCB [1C]	*79.0 %*	*30 - 150*			BK52601	11/26/2025	*11/26/2025 18:32*	
Surrogate: DCB [2C]	*78.0 %*	*30 - 150*			BK52601	11/26/2025	*11/26/2025 18:32*	

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	130	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
2-Methyl Naphthalene	ND	250	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
Acenaphthylene	ND	130	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
Acenaphthene	ND	130	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
Fluorene	ND	130	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
Phenanthrene	**940**	130	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
Anthracene	**170**	130	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
Fluoranthene	**2800**	130	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
Pyrene	**2000**	130	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
Benzo[a]anthracene	**900**	130	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
Chrysene	**1300**	130	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
Benzo[b]fluoranthene	**1700**	130	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
Benzo[k]fluoranthene	**550**	130	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
Benzo[a]pyrene	**1100**	130	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
Indeno[1,2,3-cd]pyrene	**750**	130	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
Dibenz[a,h]anthracene	**190**	130	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
Benzo[g,h,i]perylene	**960**	130	1	EPA 3546	BK52604	11/26/2025	11/26/2025 18:52	
Surrogate: Nitrobenzene-d5	*60.2 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 18:52*	

Client Sample ID TP-7 (3.5ft)

Lab ID: 25K0631-08

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*66.6 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 18:52*	
Surrogate: Terphenyl-d14	*75.5 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 18:52*	

SPLP Semivolatiles **Analyst: MJH**

Method: EPA 8270E-1312 **Matrix: Extract**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
2-Methyl Naphthalene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
Acenaphthylene	ND	0.30	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
Acenaphthene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
Fluorene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
Phenanthrene	ND	0.077	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
Anthracene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
Fluoranthene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
Pyrene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
Benzo[a]anthracene	ND	0.060	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
Chrysene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
Benzo[b]fluoranthene	ND	0.080	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
Benzo[k]fluoranthene	ND	0.30	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
Benzo[a]pyrene	ND	0.20	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
Dibenz[a,h]anthracene	ND	0.10	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
Benzo[g,h,i]perylene	ND	0.40	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 18:41	
Surrogate: Nitrobenzene-d5	*38.8 %*	*30 - 130*			BK52602	11/26/2025	*11/26/2025 18:41*	
Surrogate: 2-Fluorobiphenyl	*44.8 %*	*30 - 130*			BK52602	11/26/2025	*11/26/2025 18:41*	
Surrogate: Terphenyl-d14	*63.8 %*	*30 - 130*			BK52602	11/26/2025	*11/26/2025 18:41*	

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes

Client Sample ID TP-7 (3.5ft)

Lab ID: 25K0631-08

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	22	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Chloromethane	ND	15	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Vinyl Chloride	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Bromomethane	ND	15	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Chloroethane	ND	15	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Trichlorofluoromethane	ND	58	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Acetone	ND	220	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Acrylonitrile	ND	12	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Trichlorotrifluoroethane	ND	58	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,1-Dichloroethene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
t-Butanol	ND	73	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Methylene Chloride	ND	87	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Carbon Disulfide	ND	15	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Methyl-t-Butyl Ether (MTBE)	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
trans-1,2-Dichloroethene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Di-isopropyl ether	ND	15	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,1-Dichloroethane	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
t-Butyl ethyl ether	ND	15	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
2-Butanone (MEK)	ND	36	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
2,2-Dichloropropane	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
cis-1,2-Dichloroethene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Bromochloromethane	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Chloroform	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Tetrahydrofuran	ND	36	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,1,1-Trichloroethane	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
tert-Amyl methyl ether (TAME)	ND	15	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Carbon Tetrachloride	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,1-Dichloropropene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Benzene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	D
1,2-Dichloroethane	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	D
Trichloroethene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,2-Dichloropropane	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Dibromomethane	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Bromodichloromethane	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Methyl Isobutyl Ketone	ND	36	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
cis-1,3-Dichloropropene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Toluene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
trans-1,3-Dichloropropene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
2-Hexanone	ND	36	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,1,2-Trichloroethane	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Tetrachloroethene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	

Client Sample ID TP-7 (3.5ft)

Lab ID: 25K0631-08

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
1,3-Dichloropropane	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Dibromochloromethane	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,2-Dibromoethane	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
trans-1,4-Dichloro-2-Butene	ND	36	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	*C2
Chlorobenzene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,1,1,2-Tetrachloroethane	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Ethylbenzene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
m+p Xylenes	ND	15	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
o-Xylene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Styrene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Bromoform	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Isopropylbenzene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,1,2,2-Tetrachloroethane	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Bromobenzene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,2,3-Trichloropropane	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
n-Propylbenzene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
2-Chlorotoluene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
4-Chlorotoluene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,3,5-Trimethylbenzene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
tert-Butylbenzene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,2,4-Trimethylbenzene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
sec-Butylbenzene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,3-Dichlorobenzene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
4-Isopropyltoluene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,4-Dichlorobenzene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,2-Dichlorobenzene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
n-Butylbenzene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,2-Dibromo-3-Chloropropane	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,2,4-Trichlorobenzene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Hexachlorobutadiene	ND	7.3	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Naphthalene	ND	15	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
1,2,3-Trichlorobenzene	ND	15	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Ethyl Ether	ND	73	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	*F1D
1,4-Dioxane	ND	290	2.3	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 13:40	
Surrogate: 1,2-Dichloroethane-d4	*93.2 %*		*70 - 130*		BK52436	11/24/2025	*11/24/2025 13:40*	
Surrogate: Toluene-d8	*99.4 %*		*70 - 130*		BK52436	11/24/2025	*11/24/2025 13:40*	
Surrogate: 4-Bromofluorobenzene	*94.0 %*		*70 - 130*		BK52436	11/24/2025	*11/24/2025 13:40*	

Client Sample ID TP-8 (3.5ft)

Lab ID: 25K0631-09

Conn. Extractable TPH **Analyst: CGS**

Method: CT-ETPH **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	**370**	57	1	EPA 3550C	BK52148	11/21/2025	11/22/2025 06:58	1, 7
Surrogate: Octacosane	*99.2 %*	*50 - 150*			BK52148	11/21/2025	*11/22/2025 06:58*	

1 C18-C36 may be PNA Related
7 C18-C36 range unkown

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
2-Methyl Naphthalene	ND	230	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
Acenaphthylene	ND	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
Acenaphthene	ND	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
Fluorene	ND	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
Phenanthrene	**990**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
Anthracene	**230**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
Fluoranthene	**2300**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
Pyrene	**1800**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
Benzo[a]anthracene	**950**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
Chrysene	**1100**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
Benzo[b]fluoranthene	**1400**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
Benzo[k]fluoranthene	**480**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
Benzo[a]pyrene	**1100**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
Indeno[1,2,3-cd]pyrene	**630**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
Dibenz[a,h]anthracene	**200**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
Benzo[g,h,i]perylene	**790**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:17	
Surrogate: Nitrobenzene-d5	*74.8 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 19:17*	
Surrogate: 2-Fluorobiphenyl	*81.0 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 19:17*	
Surrogate: Terphenyl-d14	*88.3 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 19:17*	

Client Sample ID TP-8 (6.5ft)

Lab ID: 25K0631-10

Conn. Extractable TPH **Analyst: CGS**

Method: CT-ETPH **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	**740**	55	1	EPA 3550C	BK52148	11/21/2025	11/22/2025 07:19	1, 7
Surrogate: Octacosane	*96.0 %*	*50 - 150*			BK52148	11/21/2025	*11/22/2025 07:19*	

1 C18-C36 may be PNA Related

7 C18-C36 range unkown

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
2-Methyl Naphthalene	ND	220	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
Acenaphthylene	ND	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
Acenaphthene	ND	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
Fluorene	ND	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
Phenanthrene	**670**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
Anthracene	**130**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
Fluoranthene	**1500**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
Pyrene	**1100**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
Benzo[a]anthracene	**570**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
Chrysene	**730**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
Benzo[b]fluoranthene	**860**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
Benzo[k]fluoranthene	**320**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
Benzo[a]pyrene	**650**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
Indeno[1,2,3-cd]pyrene	**390**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
Dibenz[a,h]anthracene	**110**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
Benzo[g,h,i]perylene	**550**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 19:42	
Surrogate: Nitrobenzene-d5	*61.0 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 19:42*	
Surrogate: 2-Fluorobiphenyl	*64.0 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 19:42*	
Surrogate: Terphenyl-d14	*65.4 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 19:42*	

Client Sample ID TP-9 (1.5ft)

Lab ID: 25K0631-11

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
2-Methyl Naphthalene	ND	230	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
Acenaphthylene	**190**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
Acenaphthene	ND	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
Fluorene	ND	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
Phenanthrene	**760**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
Anthracene	**230**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
Fluoranthene	**1700**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
Pyrene	**1500**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
Benzo[a]anthracene	**870**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
Chrysene	**950**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
Benzo[b]fluoranthene	**1200**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
Benzo[k]fluoranthene	**450**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
Benzo[a]pyrene	**920**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
Indeno[1,2,3-cd]pyrene	**470**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
Dibenz[a,h]anthracene	**150**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
Benzo[g,h,i]perylene	**600**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:07	
Surrogate: Nitrobenzene-d5	*69.3 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 20:07*	
Surrogate: 2-Fluorobiphenyl	*82.5 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 20:07*	
Surrogate: Terphenyl-d14	*93.3 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 20:07*	

Client Sample ID TP-9 (4ft)

Lab ID: 25K0631-12

Conn. Extractable TPH **Analyst: CGS**

Method: CT-ETPH **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	**110**	54	1	EPA 3550C	BK52148	11/21/2025	11/22/2025 07:41	1, 2
Surrogate: Octacosane	*95.1 %*	*50 - 150*			BK52148	11/21/2025	*11/22/2025 07:41*	

1 C18-C36 may be PNA Related
2 C9-C28 Fuel Oil Range

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	**770**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
2-Methyl Naphthalene	**290**	210	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
Acenaphthylene	**270**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
Acenaphthene	**1100**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
Fluorene	**950**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
Phenanthrene	**6700**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
Anthracene	**2200**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
Fluoranthene	**8400**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
Pyrene	**6600**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
Benzo[a]anthracene	**4200**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
Chrysene	**4000**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
Benzo[b]fluoranthene	**4800**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
Benzo[k]fluoranthene	**1900**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
Benzo[a]pyrene	**4200**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
Indeno[1,2,3-cd]pyrene	**2100**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
Dibenz[a,h]anthracene	**660**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
Benzo[g,h,i]perylene	**2600**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:33	
Surrogate: Nitrobenzene-d5	*71.3 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 20:33*	
Surrogate: 2-Fluorobiphenyl	*83.4 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 20:33*	
Surrogate: Terphenyl-d14	*94.8 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 20:33*	

Client Sample ID TP-10 (3ft)

Lab ID: 25K0631-13

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
2-Methyl Naphthalene	ND	220	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
Acenaphthylene	**110**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
Acenaphthene	ND	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
Fluorene	ND	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
Phenanthrene	**940**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
Anthracene	**280**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
Fluoranthene	**2200**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
Pyrene	**1800**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
Benzo[a]anthracene	**1100**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
Chrysene	**1200**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
Benzo[b]fluoranthene	**1500**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
Benzo[k]fluoranthene	**630**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
Benzo[a]pyrene	**1200**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
Indeno[1,2,3-cd]pyrene	**650**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
Dibenz[a,h]anthracene	**200**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
Benzo[g,h,i]perylene	**790**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 20:58	
Surrogate: Nitrobenzene-d5	*69.0 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 20:58*	
Surrogate: 2-Fluorobiphenyl	*80.0 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 20:58*	
Surrogate: Terphenyl-d14	*87.6 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 20:58*	

Client Sample ID TP-11 (1.5ft)

Lab ID: 25K0631-14

SPLP Metals **Analyst: SS**

Method: EPA 6020B-1312 **Matrix: Extract**

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**0.021**	0.013	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:40	
Cadmium	ND	0.0050	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:40	
Arsenic	ND	0.0090	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:40	
Copper	ND	0.040	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:40	
Mercury	ND	0.0020	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 20:40	

SPLP Organics **Analyst: MFJ**

Method: EPA 8081B-1312 **Matrix: Extract**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorobenzene	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Alpha-BHC	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Gamma-BHC	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Heptachlor	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Aldrin	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Beta-BHC	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Delta-BHC	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Heptachlor Epoxide	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Endosulfan I	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
4,4-DDE	ND	0.0010	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Dieldrin	ND	0.0020	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Endrin	ND	0.022	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
4,4-DDD	ND	0.0010	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Endosulfan II	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
4,4-DDT	ND	0.0010	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Endrin Aldehyde	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
4,4-Methoxychlor	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Endosulfan Sulfate	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Endrin Ketone	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Chlordane	ND	0.20	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Toxaphene	ND	0.80	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Alachlor	ND	0.20	1	EPA 3535A	BK52601	11/26/2025	12/01/2025 11:29	
Surrogate: TCMX [1C]	*63.0 %*	*30 - 150*			BK52601	11/26/2025	*12/01/2025 11:29*	
Surrogate: TCMX [2C]	*55.0 %*	*30 - 150*			BK52601	11/26/2025	*12/01/2025 11:29*	
Surrogate: DCB [1C]	*60.0 %*	*30 - 150*			BK52601	11/26/2025	*12/01/2025 11:29*	

Client Sample ID TP-11 (1.5ft)

Lab ID: 25K0631-14

SPLP Organics **Analyst: MFJ**

Method: EPA 8081B-1312 **Matrix: Extract**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: DCB [2C]	*54.0 %*		*30 - 150*		BK52601	11/26/2025	*12/01/2025 11:29*	

SPLP Semivolatiles **Analyst: MJH**

Method: EPA 8270E-1312 **Matrix: Extract**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
2-Methyl Naphthalene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
Acenaphthylene	ND	0.30	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
Acenaphthene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
Fluorene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
Phenanthrene	ND	0.077	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
Anthracene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
Fluoranthene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
Pyrene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
Benzo[a]anthracene	ND	0.060	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
Chrysene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
Benzo[b]fluoranthene	ND	0.080	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
Benzo[k]fluoranthene	ND	0.30	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
Benzo[a]pyrene	ND	0.20	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
Dibenz[a,h]anthracene	ND	0.10	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
Benzo[g,h,i]perylene	ND	0.40	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:04	
Surrogate: Nitrobenzene-d5	*49.4 %*		*30 - 130*		BK52602	11/26/2025	*11/26/2025 19:04*	
Surrogate: 2-Fluorobiphenyl	*51.2 %*		*30 - 130*		BK52602	11/26/2025	*11/26/2025 19:04*	
Surrogate: Terphenyl-d14	*41.2 %*		*30 - 130*		BK52602	11/26/2025	*11/26/2025 19:04*	

Client Sample ID TP-11 (6ft)

Lab ID: 25K0631-15

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Phenol	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
1,3-Dichlorobenzene	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
n-Nitroso-di-n-propylamine	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Pyridine	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
n-Nitroso-dimethylamine	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
bis(2-Chloroethyl)ether	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Aniline	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
2-Chlorophenol	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
1,4-Dichlorobenzene	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Benzyl Alcohol	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	*I
1,2-Dichlorobenzene	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
bis(2-Chloroisopropyl)ether	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Hexachloroethane	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
2-Methyl Phenol	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
3+4 Methyl Phenol	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Naphthalene	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
2-Nitrophenol	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	*C2
2,4-Dichlorophenol	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Hexachlorobutadiene	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
4-Chloro-3-methylphenol	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Nitrobenzene	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Isophorone	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
2,4-Dimethylphenol	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
bis(2-Chloroethoxy)methane	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Benzoic Acid	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
1,2,4-Trichlorobenzene	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
2,6-Dichlorophenol	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
4-Chloroaniline	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
1,2,4,5-Tetrachlorobenzene	ND	56	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
2-Methyl Naphthalene	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Acenaphthylene	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Acenaphthene	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Dibenzofuran	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Fluorene	**120**	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Hexachlorocyclopentadiene	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
2,4,6-Trichlorophenol	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
2,4,5-Trichlorophenol	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
2,4-Dinitrophenol	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	*C1
4-Nitrophenol	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
2-Chloronaphthalene	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	

Client Sample ID TP-11 (6ft)

Lab ID: 25K0631-15

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
2-Nitroaniline	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Dimethylphthalate	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
2,6-Dinitrotoluene	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	*C2
4-Nitroaniline	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
2,4-Dinitrotoluene	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	*C2
2,3,4,6-Tetrachlorophenol	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
4-Chlorophenyl-phenylether	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Diethylphthalate	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	*C1
Phenanthrene	**1800**	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Anthracene	**310**	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Carbazole	**220**	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Fluoranthene	**3700**	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Pyrene	**2800**	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
n-Nitrosodiphenylamine	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Pentachlorophenol	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
3-Nitroaniline	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	*C2
4,6-Dinitro-2-methylphenol	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
1,2-Diphenylhydrazine	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
4-Bromophenyl-phenylether	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Hexachlorobenzene	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Di-n-butylphthalate	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Pentachloronitrobenzene	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Benzo[a]anthracene	**1500**	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Chrysene	**1800**	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Butylbenzylphthalate	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
3,3-Dichlorobenzidine	ND	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
bis(2-Ethylhexyl)phthalate	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Di-n-octylphthalate	ND	230	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Benzo[b]fluoranthene	**2200**	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Benzo[k]fluoranthene	**810**	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Benzo[a]pyrene	**1700**	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Indeno[1,2,3-cd]pyrene	**960**	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Dibenz[a,h]anthracene	**280**	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Acetophenone	ND	340	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Benzo[g,h,i]perylene	**1200**	110	1	EPA 3546	BK52404	11/24/2025	11/24/2025 23:52	
Surrogate: 2-Fluorophenol	*69.1 %*	*30 - 130*			BK52404	11/24/2025	*11/24/2025 23:52*	
Surrogate: Phenol-d6	*67.9 %*	*30 - 130*			BK52404	11/24/2025	*11/24/2025 23:52*	
Surrogate: Nitrobenzene-d5	*63.7 %*	*30 - 130*			BK52404	11/24/2025	*11/24/2025 23:52*	
Surrogate: 2-Fluorobiphenyl	*68.7 %*	*30 - 130*			BK52404	11/24/2025	*11/24/2025 23:52*	
Surrogate: 2,4,6-Tribromophenol	*88.0 %*	*30 - 130*			BK52404	11/24/2025	*11/24/2025 23:52*	
Surrogate: Terphenyl-d14	*76.4 %*	*30 - 130*			BK52404	11/24/2025	*11/24/2025 23:52*	

Client Sample ID TP-11 (6ft)

Lab ID: 25K0631-15

Client Sample ID TP-12 (2ft)

Lab ID: 25K0631-16

Semivolatile Organics

Method: EPA 8270E

Analyst: MJH

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
2-Methyl Naphthalene	ND	240	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
Acenaphthylene	**340**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
Acenaphthene	ND	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
Fluorene	ND	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
Phenanthrene	**1100**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
Anthracene	**240**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
Fluoranthene	**2400**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
Pyrene	**2100**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
Benzo[a]anthracene	**930**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
Chrysene	**1300**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
Benzo[b]fluoranthene	**1600**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
Benzo[k]fluoranthene	**660**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
Benzo[a]pyrene	**1200**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
Indeno[1,2,3-cd]pyrene	**650**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
Dibenz[a,h]anthracene	**200**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
Benzo[g,h,i]perylene	**830**	120	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:23	
Surrogate: Nitrobenzene-d5	*66.8 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 21:23*	
Surrogate: 2-Fluorobiphenyl	*77.9 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 21:23*	
Surrogate: Terphenyl-d14	*90.1 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 21:23*	

Client Sample ID TP-13 (1.5ft)

Lab ID: 25K0631-17

Conn. Extractable TPH

Analyst: CGS

Method: CT-ETPH

Matrix: Soil

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	**360**	56	1	EPA 3550C	BK52148	11/21/2025	11/22/2025 08:02	1, 2
Surrogate: Octacosane	*101 %*	*50 - 150*			BK52148	11/21/2025	*11/22/2025 08:02*	

1 C18-C36 may be PNA Related
2 C9-C28 Fuel Oil Range

Semivolatile Organics

Analyst: MJH

Method: EPA 8270E

Matrix: Soil

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	**350**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
2-Methyl Naphthalene	ND	230	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
Acenaphthylene	**190**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
Acenaphthene	**860**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
Fluorene	**730**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
Phenanthrene	**6900**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
Anthracene	**2000**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
Fluoranthene	**9600**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
Pyrene	**7700**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
Benzo[a]anthracene	**4700**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
Chrysene	**4600**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
Benzo[b]fluoranthene	**5200**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
Benzo[k]fluoranthene	**2000**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
Benzo[a]pyrene	**4600**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
Indeno[1,2,3-cd]pyrene	**2400**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
Dibenz[a,h]anthracene	**730**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
Benzo[g,h,i]perylene	**2900**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 21:49	
Surrogate: Nitrobenzene-d5	*68.3 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 21:49*	
Surrogate: 2-Fluorobiphenyl	*79.6 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 21:49*	
Surrogate: Terphenyl-d14	*93.6 %*	*30 - 130*			BK52604	11/26/2025	*11/26/2025 21:49*	

Client Sample ID TP-13 (1.5ft)

Lab ID: 25K0631-17

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	470	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Chloromethane	ND	320	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Vinyl Chloride	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Bromomethane	**570**	320	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Chloroethane	ND	320	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Trichlorofluoromethane	ND	1300	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Acetone	ND	4700	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Acrylonitrile	ND	250	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Trichlorotrifluoroethane	ND	1300	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,1-Dichloroethene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
t-Butanol	ND	1600	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Methylene Chloride	ND	1900	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Carbon Disulfide	ND	320	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Methyl-t-Butyl Ether (MTBE)	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
trans-1,2-Dichloroethene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Di-isopropyl ether	ND	320	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,1-Dichloroethane	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
t-Butyl ethyl ether	ND	320	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
2-Butanone (MEK)	ND	790	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
2,2-Dichloropropane	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
cis-1,2-Dichloroethene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Bromochloromethane	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Chloroform	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Tetrahydrofuran	ND	790	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,1,1-Trichloroethane	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
tert-Amyl methyl ether (TAME)	ND	320	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Carbon Tetrachloride	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,1-Dichloropropene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Benzene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	D
1,2-Dichloroethane	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	D
Trichloroethene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,2-Dichloropropane	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Dibromomethane	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Bromodichloromethane	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Methyl Isobutyl Ketone	ND	790	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
cis-1,3-Dichloropropene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Toluene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
trans-1,3-Dichloropropene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
2-Hexanone	ND	790	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,1,2-Trichloroethane	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Tetrachloroethene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	

Client Sample ID TP-13 (1.5ft)

Lab ID: 25K0631-17

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
1,3-Dichloropropane	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Dibromochloromethane	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,2-Dibromoethane	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
trans-1,4-Dichloro-2-Butene	ND	790	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	*C2
Chlorobenzene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,1,1,2-Tetrachloroethane	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Ethylbenzene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
m+p Xylenes	ND	320	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
o-Xylene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Styrene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Bromoform	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Isopropylbenzene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,1,2,2-Tetrachloroethane	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Bromobenzene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,2,3-Trichloropropane	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
n-Propylbenzene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
2-Chlorotoluene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
4-Chlorotoluene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,3,5-Trimethylbenzene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
tert-Butylbenzene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,2,4-Trimethylbenzene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
sec-Butylbenzene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,3-Dichlorobenzene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
4-Isopropyltoluene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,4-Dichlorobenzene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,2-Dichlorobenzene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
n-Butylbenzene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,2-Dibromo-3-Chloropropane	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,2,4-Trichlorobenzene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Hexachlorobutadiene	ND	160	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Naphthalene	**340**	320	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
1,2,3-Trichlorobenzene	ND	320	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Ethyl Ether	ND	1600	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	*F1D
1,4-Dioxane	ND	6300	54.82	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:05	
Surrogate: 1,2-Dichloroethane-d4	*98.4 %*		*70 - 130*		BK52437	11/24/2025	*11/24/2025 14:05*	
Surrogate: Toluene-d8	*99.5 %*		*70 - 130*		BK52437	11/24/2025	*11/24/2025 14:05*	
Surrogate: 4-Bromofluorobenzene	*92.8 %*		*70 - 130*		BK52437	11/24/2025	*11/24/2025 14:05*	

Client Sample ID TP-13 (5ft)

Lab ID: 25K0631-18

SPLP Metals **Analyst: SS**

Method: EPA 6020B-1312 **Matrix: Extract**

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	**0.016**	0.013	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 21:07	
Cadmium	ND	0.0050	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 21:07	
Arsenic	ND	0.0090	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 21:07	
Copper	ND	0.040	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 21:07	
Mercury	ND	0.0020	1	EPA 3015A	BK52537	11/25/2025	11/25/2025 21:07	

Conn. Extractable TPH **Analyst: CGS**

Method: CT-ETPH **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	**350**	55	1	EPA 3550C	BK52148	11/21/2025	11/22/2025 08:23	1, 2
Surrogate: Octacosane	*97.6 %*	*50 - 150*			BK52148	11/21/2025	*11/22/2025 08:23*	

1 C18-C36 may be PNA Related
2 C9-C28 Fuel Oil Range

SPLP Organics **Analyst: MFJ**

Method: EPA 8081B-1312 **Matrix: Extract**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorobenzene	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Alpha-BHC	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Gamma-BHC	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Heptachlor	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Aldrin	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Beta-BHC	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Delta-BHC	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Heptachlor Epoxide	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Endosulfan I	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
4,4-DDE	ND	0.0010	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Dieldrin	ND	0.0020	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Endrin	ND	0.022	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
4,4-DDD	ND	0.0010	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	

Client Sample ID TP-13 (5ft)

Lab ID: 25K0631-18

SPLP Organics **Analyst: MFJ**

Method: EPA 8081B-1312 **Matrix: Extract**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Endosulfan II	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
4,4-DDT	ND	0.0010	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Endrin Aldehyde	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
4,4-Methoxychlor	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Endosulfan Sulfate	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Endrin Ketone	ND	0.0050	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Chlordane	ND	0.20	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Toxaphene	ND	0.80	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Alachlor	ND	0.20	1	EPA 3535A	BK52601	11/26/2025	11/26/2025 18:58	
Surrogate: TCMX [1C]	*81.0 %*	*30 - 150*			BK52601	11/26/2025	*11/26/2025 18:58*	
Surrogate: TCMX [2C]	*71.0 %*	*30 - 150*			BK52601	11/26/2025	*11/26/2025 18:58*	
Surrogate: DCB [1C]	*71.0 %*	*30 - 150*			BK52601	11/26/2025	*11/26/2025 18:58*	
Surrogate: DCB [2C]	*61.0 %*	*30 - 150*			BK52601	11/26/2025	*11/26/2025 18:58*	

SPLP Semivolatiles **Analyst: MJH**

Method: EPA 8270E-1312 **Matrix: Extract**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
2-Methyl Naphthalene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
Acenaphthylene	ND	0.30	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
Acenaphthene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
Fluorene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
Phenanthrene	**0.38**	0.077	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
Anthracene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
Fluoranthene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
Pyrene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
Benzo[a]anthracene	ND	0.060	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
Chrysene	ND	1.0	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
Benzo[b]fluoranthene	ND	0.080	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
Benzo[k]fluoranthene	ND	0.30	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
Benzo[a]pyrene	ND	0.20	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
Dibenz[a,h]anthracene	ND	0.10	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
Benzo[g,h,i]perylene	ND	0.40	1	EPA 3510C	BK52602	11/26/2025	11/26/2025 19:27	
Surrogate: Nitrobenzene-d5	*50.0 %*	*30 - 130*			BK52602	11/26/2025	*11/26/2025 19:27*	

Client Sample ID TP-13 (5ft)

Lab ID: 25K0631-18

SPLP Semivolatiles **Analyst: MJH**

Method: EPA 8270E-1312 **Matrix: Extract**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*67.2 %*		*30 - 130*		BK52602	11/26/2025	*11/26/2025 19:27*	
Surrogate: Terphenyl-d14	*54.0 %*		*30 - 130*		BK52602	11/26/2025	*11/26/2025 19:27*	

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	430	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Chloromethane	ND	290	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Vinyl Chloride	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Bromomethane	**400**	290	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Chloroethane	ND	290	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Trichlorofluoromethane	ND	1100	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Acetone	ND	4300	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Acrylonitrile	ND	230	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Trichlorotrifluoroethane	ND	1100	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,1-Dichloroethene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
t-Butanol	ND	1400	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Methylene Chloride	ND	1700	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Carbon Disulfide	ND	290	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Methyl-t-Butyl Ether (MTBE)	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
trans-1,2-Dichloroethene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Di-isopropyl ether	ND	290	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,1-Dichloroethane	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
t-Butyl ethyl ether	ND	290	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
2-Butanone (MEK)	ND	710	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
2,2-Dichloropropane	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
cis-1,2-Dichloroethene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Bromochloromethane	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Chloroform	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Tetrahydrofuran	ND	710	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,1,1-Trichloroethane	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
tert-Amyl methyl ether (TAME)	ND	290	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Carbon Tetrachloride	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,1-Dichloropropene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Benzene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	D
1,2-Dichloroethane	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	D

Client Sample ID TP-13 (5ft)

Lab ID: 25K0631-18

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,2-Dichloropropane	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Dibromomethane	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Bromodichloromethane	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Methyl Isobutyl Ketone	ND	710	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
cis-1,3-Dichloropropene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Toluene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
trans-1,3-Dichloropropene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
2-Hexanone	ND	710	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,1,2-Trichloroethane	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Tetrachloroethene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,3-Dichloropropane	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Dibromochloromethane	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,2-Dibromoethane	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
trans-1,4-Dichloro-2-Butene	ND	710	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	*C2
Chlorobenzene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,1,1,2-Tetrachloroethane	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Ethylbenzene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
m+p Xylenes	ND	290	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
o-Xylene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Styrene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Bromoform	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Isopropylbenzene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,1,2,2-Tetrachloroethane	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Bromobenzene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,2,3-Trichloropropane	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
n-Propylbenzene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
2-Chlorotoluene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
4-Chlorotoluene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,3,5-Trimethylbenzene	**180**	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
tert-Butylbenzene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,2,4-Trimethylbenzene	**360**	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
sec-Butylbenzene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,3-Dichlorobenzene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
4-Isopropyltoluene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,4-Dichlorobenzene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,2-Dichlorobenzene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
n-Butylbenzene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,2-Dibromo-3-Chloropropane	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,2,4-Trichlorobenzene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Hexachlorobutadiene	ND	140	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	

Client Sample ID TP-13 (5ft)

Lab ID: 25K0631-18

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	290	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
1,2,3-Trichlorobenzene	ND	290	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Ethyl Ether	ND	1400	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	*F1D
1,4-Dioxane	ND	5700	51.07	EPA 5035A-H	BK52437	11/24/2025	11/24/2025 14:30	
Surrogate: 1,2-Dichloroethane-d4	*84.9 %*		*70 - 130*		BK52437	11/24/2025	*11/24/2025 14:30*	
Surrogate: Toluene-d8	*101 %*		*70 - 130*		BK52437	11/24/2025	*11/24/2025 14:30*	
Surrogate: 4-Bromofluorobenzene	*94.4 %*		*70 - 130*		BK52437	11/24/2025	*11/24/2025 14:30*	

Client Sample ID TP-13 (Ex)

Lab ID: 25K0631-19

Conn. Extractable TPH **Analyst: CGS**

Method: CT-ETPH **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	**460**	56	1	EPA 3550C	BK52148	11/21/2025	11/22/2025 08:45	1, 2
Surrogate: Octacosane	*98.0 %*	*50 - 150*			BK52148	11/21/2025	*11/22/2025 08:45*	

1 C18-C36 may be PNA Related
2 C9-C28 Fuel Oil Range

PCBs by 8082 **Analyst: ARB**

Method: EPA 8082A **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	0.055	1	EPA 3546	BK52307	11/23/2025	11/25/2025 02:17	
PCB-1221	ND	0.055	1	EPA 3546	BK52307	11/23/2025	11/25/2025 02:17	
PCB-1232	ND	0.055	1	EPA 3546	BK52307	11/23/2025	11/25/2025 02:17	
PCB-1242	ND	0.055	1	EPA 3546	BK52307	11/23/2025	11/25/2025 02:17	
PCB-1248	ND	0.055	1	EPA 3546	BK52307	11/23/2025	11/25/2025 02:17	
PCB-1254	ND	0.055	1	EPA 3546	BK52307	11/23/2025	11/25/2025 02:17	
PCB-1260	ND	0.055	1	EPA 3546	BK52307	11/23/2025	11/25/2025 02:17	
PCB-1268	ND	0.055	1	EPA 3546	BK52307	11/23/2025	11/25/2025 02:17	
PCB-1262	ND	0.055	1	EPA 3546	BK52307	11/23/2025	11/25/2025 02:17	
Surrogate: TCMX [1C]	*78.3 %*	*30 - 150*			BK52307	11/23/2025	*11/25/2025 02:17*	
Surrogate: TCMX [2C]	*82.0 %*	*30 - 150*			BK52307	11/23/2025	*11/25/2025 02:17*	
Surrogate: DCB [1C]	*78.1 %*	*30 - 150*			BK52307	11/23/2025	*11/25/2025 02:17*	
Surrogate: DCB [2C]	*84.4 %*	*30 - 150*			BK52307	11/23/2025	*11/25/2025 02:17*	

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	**1100**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	
2-Methyl Naphthalene	**610**	220	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	
Acenaphthylene	**310**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	
Acenaphthene	**1800**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	

Client Sample ID TP-13 (Ex)

Lab ID: 25K0631-19

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Fluorene	**1400**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	
Phenanthrene	**13000**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	
Anthracene	**3300**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	
Fluoranthene	**16000**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	
Pyrene	**13000**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	
Benzo[a]anthracene	**7800**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	
Chrysene	**8100**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	
Benzo[b]fluoranthene	**8900**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	
Benzo[k]fluoranthene	**4800**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	
Benzo[a]pyrene	**7700**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	
Indeno[1,2,3-cd]pyrene	**4000**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	
Dibenz[a,h]anthracene	**1300**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	
Benzo[g,h,i]perylene	**4800**	110	1	EPA 3546	BK52604	11/26/2025	11/26/2025 22:14	
Surrogate: Nitrobenzene-d5	*71.9 %*		*30 - 130*		BK52604	11/26/2025	*11/26/2025 22:14*	
Surrogate: 2-Fluorobiphenyl	*81.0 %*		*30 - 130*		BK52604	11/26/2025	*11/26/2025 22:14*	
Surrogate: Terphenyl-d14	*97.0 %*		*30 - 130*		BK52604	11/26/2025	*11/26/2025 22:14*	

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	17	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Chloromethane	ND	11	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Vinyl Chloride	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Bromomethane	ND	11	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Chloroethane	ND	11	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Trichlorofluoromethane	ND	45	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Acetone	ND	170	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Acrylonitrile	ND	9.1	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Trichlorotrifluoroethane	ND	45	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,1-Dichloroethene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
t-Butanol	ND	57	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Methylene Chloride	ND	68	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Carbon Disulfide	ND	11	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Methyl-t-Butyl Ether (MTBE)	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
trans-1,2-Dichloroethene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	

Client Sample ID TP-13 (Ex)

Lab ID: 25K0631-19

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Di-isopropyl ether	ND	11	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,1-Dichloroethane	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
t-Butyl ethyl ether	ND	11	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
2-Butanone (MEK)	ND	28	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
2,2-Dichloropropane	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
cis-1,2-Dichloroethene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Bromochloromethane	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Chloroform	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Tetrahydrofuran	ND	28	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,1,1-Trichloroethane	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
tert-Amyl methyl ether (TAME)	ND	11	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Carbon Tetrachloride	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,1-Dichloropropene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Benzene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	D
1,2-Dichloroethane	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	D
Trichloroethene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,2-Dichloropropane	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Dibromomethane	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Bromodichloromethane	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Methyl Isobutyl Ketone	ND	28	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
cis-1,3-Dichloropropene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Toluene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
trans-1,3-Dichloropropene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
2-Hexanone	ND	28	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,1,2-Trichloroethane	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Tetrachloroethene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,3-Dichloropropane	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Dibromochloromethane	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,2-Dibromoethane	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
trans-1,4-Dichloro-2-Butene	ND	28	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	*C2
Chlorobenzene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,1,1,2-Tetrachloroethane	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Ethylbenzene	**9.5**	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
m+p Xylenes	**91**	11	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
o-Xylene	**130**	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Styrene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Bromoform	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Isopropylbenzene	**20**	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,1,2,2-Tetrachloroethane	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Bromobenzene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,2,3-Trichloropropane	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	

Client Sample ID TP-13 (Ex)

Lab ID: 25K0631-19

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
n-Propylbenzene	**37**	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
2-Chlorotoluene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
4-Chlorotoluene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,3,5-Trimethylbenzene	**190**	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
tert-Butylbenzene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,2,4-Trimethylbenzene	**350**	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
sec-Butylbenzene	**60**	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,3-Dichlorobenzene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
4-Isopropyltoluene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,4-Dichlorobenzene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,2-Dichlorobenzene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
n-Butylbenzene	**29**	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,2-Dibromo-3-Chloropropane	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,2,4-Trichlorobenzene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Hexachlorobutadiene	ND	5.7	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Naphthalene	**42**	11	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
1,2,3-Trichlorobenzene	ND	11	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Ethyl Ether	ND	57	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	*F1D
1,4-Dioxane	ND	230	2.04	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 14:55	
Surrogate: 1,2-Dichloroethane-d4	*102 %*		*70 - 130*		BK52436	11/24/2025	*11/24/2025 14:55*	
Surrogate: Toluene-d8	*99.6 %*		*70 - 130*		BK52436	11/24/2025	*11/24/2025 14:55*	
Surrogate: 4-Bromofluorobenzene	*93.1 %*		*70 - 130*		BK52436	11/24/2025	*11/24/2025 14:55*	

Client Sample ID TP-6 (2ft)

Lab ID: 25K0631-20

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	20	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Chloromethane	ND	13	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Vinyl Chloride	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Bromomethane	ND	13	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Chloroethane	ND	13	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Trichlorofluoromethane	ND	53	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Acetone	ND	200	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Acrylonitrile	ND	11	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Trichlorotrifluoroethane	ND	53	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,1-Dichloroethene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
t-Butanol	ND	66	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Methylene Chloride	ND	79	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Carbon Disulfide	ND	13	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Methyl-t-Butyl Ether (MTBE)	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
trans-1,2-Dichloroethene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Di-isopropyl ether	ND	13	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,1-Dichloroethane	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
t-Butyl ethyl ether	ND	13	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
2-Butanone (MEK)	ND	33	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
2,2-Dichloropropane	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
cis-1,2-Dichloroethene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Bromochloromethane	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Chloroform	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Tetrahydrofuran	ND	33	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,1,1-Trichloroethane	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
tert-Amyl methyl ether (TAME)	ND	13	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Carbon Tetrachloride	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,1-Dichloropropene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Benzene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	D
1,2-Dichloroethane	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	D
Trichloroethene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,2-Dichloropropane	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Dibromomethane	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Bromodichloromethane	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Methyl Isobutyl Ketone	ND	33	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
cis-1,3-Dichloropropene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Toluene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
trans-1,3-Dichloropropene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
2-Hexanone	ND	33	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,1,2-Trichloroethane	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	

Client Sample ID TP-6 (2ft)

Lab ID: 25K0631-20

Volatile Organics **Analyst: SJP**

Method: EPA 8260D **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Tetrachloroethene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,3-Dichloropropane	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Dibromochloromethane	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,2-Dibromoethane	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
trans-1,4-Dichloro-2-Butene	ND	33	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	*C2
Chlorobenzene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,1,1,2-Tetrachloroethane	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Ethylbenzene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
m+p Xylenes	ND	13	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
o-Xylene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Styrene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Bromoform	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Isopropylbenzene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,1,2,2-Tetrachloroethane	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Bromobenzene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,2,3-Trichloropropane	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
n-Propylbenzene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
2-Chlorotoluene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
4-Chlorotoluene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,3,5-Trimethylbenzene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
tert-Butylbenzene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,2,4-Trimethylbenzene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
sec-Butylbenzene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,3-Dichlorobenzene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
4-Isopropyltoluene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,4-Dichlorobenzene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,2-Dichlorobenzene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
n-Butylbenzene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,2-Dibromo-3-Chloropropane	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,2,4-Trichlorobenzene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Hexachlorobutadiene	ND	6.6	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Naphthalene	ND	13	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
1,2,3-Trichlorobenzene	ND	13	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Ethyl Ether	ND	66	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	*F1D
1,4-Dioxane	ND	260	2.28	EPA 5035A-L	BK52436	11/24/2025	11/24/2025 15:21	
Surrogate: 1,2-Dichloroethane-d4	*102 %*		*70 - 130*		BK52436	11/24/2025	*11/24/2025 15:21*	
Surrogate: Toluene-d8	*102 %*		*70 - 130*		BK52436	11/24/2025	*11/24/2025 15:21*	
Surrogate: 4-Bromofluorobenzene	*95.5 %*		*70 - 130*		BK52436	11/24/2025	*11/24/2025 15:21*	

QUALITY CONTROL SECTION

Batch BK52148 - CT-ETPH

Analyte	Result (mg/kg)	RL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52148-BLK1)					Prepared: 11/21/2025 Analyzed: 11/22/2025				
ETPH	ND	50							
Surrogate: Octacosane					*68.1*	*50 - 150*			
LCS (BK52148-BS1)					Prepared: 11/21/2025 Analyzed: 11/22/2025				
ETPH	1480	50	1,500.000		99.0	60 - 120			
Surrogate: Octacosane					*70.8*	*50 - 150*			
LCS Dup (BK52148-BSD1)					Prepared: 11/21/2025 Analyzed: 11/22/2025				
ETPH	1480	50	1,500.000		98.8	60 - 120	0.137	30	
Surrogate: Octacosane					*70.7*	*50 - 150*			
Duplicate (BK52148-DUP1)		**Source: 25K0631-19**			Prepared: 11/21/2025 Analyzed: 11/22/2025				
ETPH	445	56		456			2.47	30	
Surrogate: Octacosane					*95.2*	*50 - 150*			
Matrix Spike (BK52148-MS1)		**Source: 25K0631-19**			Prepared: 11/21/2025 Analyzed: 11/22/2025				
ETPH	2120	54	1,634.170	456	102	50 - 150			
Surrogate: Octacosane					*95.7*	*50 - 150*			
Matrix Spike Dup (BK52148-MSD1)		**Source: 25K0631-19**			Prepared: 11/21/2025 Analyzed: 11/22/2025				
ETPH	2150	56	1,671.756	456	101	50 - 150	1.61	30	
Surrogate: Octacosane					*97.2*	*50 - 150*			

Batch BK52302 - SM 2540 G

Analyte	Result (%)	RL (%)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Duplicate (BK52302-DUP1)		**Source: 25K0631-20**			Prepared: 11/23/2025 Analyzed: 11/23/2025				
Percent Solids	86	1.0		86			0.0159	5	

CET # : 25K0631

Project: Sycamore, Trumbull

Batch BK52307 - EPA 8082A

Analyte	Result (mg/kg)	RL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52307-BLK1)					Prepared: 11/23/2025 Analyzed: 11/24/2025				
PCB-1016	ND	0.050							
PCB-1221	ND	0.050							
PCB-1232	ND	0.050							
PCB-1242	ND	0.050							
PCB-1248	ND	0.050							
PCB-1254	ND	0.050							
PCB-1260	ND	0.050							
PCB-1268	ND	0.050							
PCB-1262	ND	0.050							
Surrogate: TCMX [1C]					*77.5*	*30 - 150*			
Surrogate: TCMX [2C]					*76.7*	*30 - 150*			
Surrogate: DCB [1C]					*69.8*	*30 - 150*			
Surrogate: DCB [2C]					*72.4*	*30 - 150*			
LCS (BK52307-BS1)					Prepared: 11/23/2025 Analyzed: 11/24/2025				
PCB-1016	0.739	0.050	1.000		73.9	40 - 140			
PCB-1260	0.787	0.050	1.000		78.7	40 - 140			
Surrogate: TCMX [1C]					*73.6*	*30 - 150*			
Surrogate: TCMX [2C]					*72.4*	*30 - 150*			
Surrogate: DCB [1C]					*61.7*	*30 - 150*			
Surrogate: DCB [2C]					*64.3*	*30 - 150*			

Batch BK52404 - EPA 8270E

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52404-BLK1)					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Phenol	ND	200							
1,3-Dichlorobenzene	ND	200							
n-Nitroso-di-n-propylamine	ND	100							
Pyridine	ND	100							
n-Nitroso-dimethylamine	ND	100							
bis(2-Chloroethyl)ether	ND	200							
Aniline	ND	100							
2-Chlorophenol	ND	200							
1,4-Dichlorobenzene	ND	200							
Benzyl Alcohol	ND	200							
1,2-Dichlorobenzene	ND	200							
bis(2-Chloroisopropyl)ether	ND	200							
Hexachloroethane	ND	200							
2-Methyl Phenol	ND	200							
3+4 Methyl Phenol	ND	200							
Naphthalene	ND	100							
2-Nitrophenol	ND	200							
2,4-Dichlorophenol	ND	200							
Hexachlorobutadiene	ND	100							
4-Chloro-3-methylphenol	ND	200							
Nitrobenzene	ND	100							
Isophorone	ND	200							
2,4-Dimethylphenol	ND	200							
bis(2-Chloroethoxy)methane	ND	200							
Benzoic Acid	ND	200							
1,2,4-Trichlorobenzene	ND	200							
2,6-Dichlorophenol	ND	200							
4-Chloroaniline	ND	100							
1,2,4,5-Tetrachlorobenzene	ND	50							
2-Methyl Naphthalene	ND	200							
Acenaphthylene	ND	100							
Acenaphthene	ND	100							
Dibenzofuran	ND	100							
Fluorene	ND	100							
Hexachlorocyclopentadiene	ND	200							
2,4,6-Trichlorophenol	ND	100							
2,4,5-Trichlorophenol	ND	100							
2,4-Dinitrophenol	ND	200							
4-Nitrophenol	ND	200							
2-Chloronaphthalene	ND	200							
2-Nitroaniline	ND	200							
Dimethylphthalate	ND	200							
2,6-Dinitrotoluene	ND	100							
4-Nitroaniline	ND	200							
2,4-Dinitrotoluene	ND	100							
2,3,4,6-Tetrachlorophenol	ND	200							
4-Chlorophenyl-phenylether	ND	200							
Diethylphthalate	ND	200							
Phenanthrene	ND	100							
Anthracene	ND	100							
Carbazole	ND	100							
Fluoranthene	ND	100							

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52404-BLK1) - Continued					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Pyrene	ND	100							
n-Nitrosodiphenylamine	ND	100							
Pentachlorophenol	ND	200							
3-Nitroaniline	ND	200							
4,6-Dinitro-2-methylphenol	ND	200							
1,2-Diphenylhydrazine	ND	100							
4-Bromophenyl-phenylether	ND	200							
Hexachlorobenzene	ND	200							
Di-n-butylphthalate	ND	200							
Pentachloronitrobenzene	ND	100							
Benzo[a]anthracene	ND	100							
Chrysene	ND	100							
Butylbenzylphthalate	ND	200							
3,3-Dichlorobenzidine	ND	100							
bis(2-Ethylhexyl)phthalate	ND	200							
Di-n-octylphthalate	ND	200							
Benzo[b]fluoranthene	ND	100							
Benzo[k]fluoranthene	ND	100							
Benzo[a]pyrene	ND	100							
Indeno[1,2,3-cd]pyrene	ND	100							
Dibenz[a,h]anthracene	ND	100							
Acetophenone	ND	300							
Benzo[g,h,i]perylene	ND	100							
Surrogate: 2-Fluorophenol					*82.4*	*30 - 130*			
Surrogate: Phenol-d6					*84.2*	*30 - 130*			
Surrogate: Nitrobenzene-d5					*81.7*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*88.1*	*30 - 130*			
Surrogate: 2,4,6-Tribromophenol					*112*	*30 - 130*			
Surrogate: Terphenyl-d14					*96.9*	*30 - 130*			
LCS (BK52404-BS1)					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Phenol	3180	200	4,000.000		79.5	30 - 130			
1,3-Dichlorobenzene	2920	200	4,000.000		73.0	40 - 140			
n-Nitroso-di-n-propylamine	2990	100	4,000.000		74.7	40 - 140			
Pyridine	2180	100	4,000.000		54.6	40 - 140			
n-Nitroso-dimethylamine	2730	100	4,000.000		68.3	40 - 140			
bis(2-Chloroethyl)ether	3060	200	4,000.000		76.4	40 - 140			
Aniline	2420	100	4,000.000		60.5	40 - 140			
2-Chlorophenol	3220	200	4,000.000		80.6	30 - 130			
1,4-Dichlorobenzene	2940	200	4,000.000		73.5	40 - 140			
Benzyl Alcohol	2860	200	4,000.000		71.4	30 - 130			
1,2-Dichlorobenzene	3020	200	4,000.000		75.6	40 - 140			
bis(2-Chloroisopropyl)ether	2620	200	4,000.000		65.5	40 - 140			
Hexachloroethane	2910	200	4,000.000		72.9	40 - 140			
2-Methyl Phenol	3270	200	4,000.000		81.6	30 - 130			
3+4 Methyl Phenol	3260	200	4,000.000		81.6	30 - 130			
Naphthalene	2940	100	4,000.000		73.4	40 - 140			
2-Nitrophenol	3950	200	4,000.000		98.7	30 - 130			
2,4-Dichlorophenol	3550	200	4,000.000		88.7	30 - 130			
Hexachlorobutadiene	3220	100	4,000.000		80.6	40 - 140			
4-Chloro-3-methylphenol	3490	200	4,000.000		87.3	30 - 130			
Nitrobenzene	3430	100	4,000.000		85.7	40 - 140			
Isophorone	3210	200	4,000.000		80.3	40 - 140			

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (BK52404-BS1) - Continued					Prepared: 11/24/2025 Analyzed: 11/24/2025				
2,4-Dimethylphenol	2710	200	4,000.000		67.8	30 - 130			
bis(2-Chloroethoxy)methane	3130	200	4,000.000		78.4	40 - 140			
Benzoic Acid	3330	200	4,000.000		83.4	30 - 130			
1,2,4-Trichlorobenzene	3210	200	4,000.000		80.1	40 - 140			
2,6-Dichlorophenol	3410	200	4,000.000		85.3	30 - 130			
4-Chloroaniline	3330	100	4,000.000		83.2	40 - 140			
1,2,4,5-Tetrachlorobenzene	3100	50	4,000.000		77.4	40 - 140			
2-Methyl Naphthalene	3030	200	4,000.000		75.7	40 - 140			
Acenaphthylene	3070	100	4,000.000		76.7	40 - 140			
Acenaphthene	3140	100	4,000.000		78.5	40 - 140			
Dibenzofuran	3090	100	4,000.000		77.3	40 - 140			
Fluorene	3270	100	4,000.000		81.7	40 - 140			
Hexachlorocyclopentadiene	2630	200	4,000.000		65.7	40 - 140			
2,4,6-Trichlorophenol	3710	100	4,000.000		92.7	30 - 130			
2,4,5-Trichlorophenol	3830	100	4,000.000		95.7	30 - 130			
2,4-Dinitrophenol	2190	200	4,000.000		54.7	30 - 130			
4-Nitrophenol	3540	200	4,000.000		88.6	30 - 130			
2-Chloronaphthalene	3090	200	4,000.000		77.3	40 - 140			
2-Nitroaniline	3590	200	4,000.000		89.7	40 - 140			
Dimethylphthalate	3180	200	4,000.000		79.4	40 - 140			
2,6-Dinitrotoluene	4280	100	4,000.000		107	40 - 140			
4-Nitroaniline	3670	200	4,000.000		91.6	40 - 140			
2,4-Dinitrotoluene	4600	100	4,000.000		115	40 - 140			
2,3,4,6-Tetrachlorophenol	4010	200	4,000.000		100	30 - 130			
4-Chlorophenyl-phenylether	3240	200	4,000.000		80.9	40 - 140			
Diethylphthalate	2020	200	4,000.000		50.4	40 - 140			
Phenanthrene	3210	100	4,000.000		80.3	40 - 140			
Anthracene	3390	100	4,000.000		84.8	40 - 140			
Carbazole	3380	100	4,000.000		84.4	40 - 140			
Fluoranthene	3530	100	4,000.000		88.2	40 - 140			
Pyrene	3470	100	4,000.000		86.9	40 - 140			
n-Nitrosodiphenylamine	2620	100	4,000.000		65.5	40 - 140			
Pentachlorophenol	3390	200	4,000.000		84.8	30 - 130			
3-Nitroaniline	4190	200	4,000.000		105	40 - 140			
4,6-Dinitro-2-methylphenol	3330	200	4,000.000		83.3	30 - 130			
1,2-Diphenylhydrazine	3290	100	4,000.000		82.3	40 - 140			
4-Bromophenyl-phenylether	3390	200	4,000.000		84.6	40 - 140			
Hexachlorobenzene	3540	200	4,000.000		88.6	40 - 140			
Di-n-butylphthalate	3560	200	4,000.000		89.1	40 - 140			
Pentachloronitrobenzene	3860	100	4,000.000		96.5	40 - 140			
Benzo[a]anthracene	3340	100	4,000.000		83.5	40 - 140			
Chrysene	3380	100	4,000.000		84.5	40 - 140			
Butylbenzylphthalate	3640	200	4,000.000		90.9	40 - 140			
3,3-Dichlorobenzidine	3120	100	4,000.000		78.0	40 - 140			
bis(2-Ethylhexyl)phthalate	3960	200	4,000.000		98.9	40 - 140			
Di-n-octylphthalate	4160	200	4,000.000		104	40 - 140			
Benzo[b]fluoranthene	3110	100	4,000.000		77.8	40 - 140			
Benzo[k]fluoranthene	3420	100	4,000.000		85.5	40 - 140			
Benzo[a]pyrene	3330	100	4,000.000		83.2	40 - 140			
Indeno[1,2,3-cd]pyrene	3370	100	4,000.000		84.3	40 - 140			
Dibenz[a,h]anthracene	3380	100	4,000.000		84.6	40 - 140			
Acetophenone	3010	300	4,000.000		75.2	30 - 130			
Benzo[g,h,i]perylene	3370	100	4,000.000		84.2	40 - 140			

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (BK52404-BS1) - Continued					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Surrogate: 2-Fluorophenol					*69.1*	*30 - 130*			
Surrogate: Phenol-d6					*70.9*	*30 - 130*			
Surrogate: Nitrobenzene-d5					*75.6*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*71.6*	*30 - 130*			
Surrogate: 2,4,6-Tribromophenol					*95.3*	*30 - 130*			
Surrogate: Terphenyl-d14					*76.6*	*30 - 130*			

Batch BK52416 - EPA 8270E

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52416-BLK1)					Prepared: 11/24/2025 Analyzed: 11/25/2025				
Naphthalene	ND	100							
2-Methyl Naphthalene	ND	200							
Acenaphthylene	ND	100							
Acenaphthene	ND	100							
Fluorene	ND	100							
Phenanthrene	ND	100							
Anthracene	ND	100							
Fluoranthene	ND	100							
Pyrene	ND	100							
Benzo[a]anthracene	ND	100							
Chrysene	ND	100							
Benzo[b]fluoranthene	ND	100							
Benzo[k]fluoranthene	ND	100							
Benzo[a]pyrene	ND	100							
Indeno[1,2,3-cd]pyrene	ND	100							
Dibenz[a,h]anthracene	ND	100							
Benzo[g,h,i]perylene	ND	100							
Surrogate: Nitrobenzene-d5					*75.5*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*79.3*	*30 - 130*			
Surrogate: Terphenyl-d14					*85.9*	*30 - 130*			
LCS (BK52416-BS1)					Prepared: 11/24/2025 Analyzed: 11/25/2025				
Naphthalene	3240	100	4,000.000		81.0	40 - 140			
2-Methyl Naphthalene	3410	200	4,000.000		85.3	40 - 140			
Acenaphthylene	3490	100	4,000.000		87.3	40 - 140			
Acenaphthene	3590	100	4,000.000		89.7	40 - 140			
Fluorene	3740	100	4,000.000		93.5	40 - 140			
Phenanthrene	3700	100	4,000.000		92.6	40 - 140			
Anthracene	3890	100	4,000.000		97.1	40 - 140			
Fluoranthene	4110	100	4,000.000		103	40 - 140			
Pyrene	4050	100	4,000.000		101	40 - 140			
Benzo[a]anthracene	3900	100	4,000.000		97.5	40 - 140			
Chrysene	3950	100	4,000.000		98.7	40 - 140			
Benzo[b]fluoranthene	3830	100	4,000.000		95.7	40 - 140			
Benzo[k]fluoranthene	4040	100	4,000.000		101	40 - 140			
Benzo[a]pyrene	4040	100	4,000.000		101	40 - 140			
Indeno[1,2,3-cd]pyrene	4050	100	4,000.000		101	40 - 140			
Dibenz[a,h]anthracene	4060	100	4,000.000		102	40 - 140			
Benzo[g,h,i]perylene	4000	100	4,000.000		100	40 - 140			
Surrogate: Nitrobenzene-d5					*82.9*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*79.8*	*30 - 130*			
Surrogate: Terphenyl-d14					*86.9*	*30 - 130*			
LCS Dup (BK52416-BSD1)					Prepared: 11/24/2025 Analyzed: 11/25/2025				
Naphthalene	3230	100	4,000.000		80.7	40 - 140	0.476	30	
2-Methyl Naphthalene	3350	200	4,000.000		83.8	40 - 140	1.85	30	
Acenaphthylene	3460	100	4,000.000		86.6	40 - 140	0.783	30	
Acenaphthene	3540	100	4,000.000		88.6	40 - 140	1.23	30	
Fluorene	3710	100	4,000.000		92.8	40 - 140	0.803	30	
Phenanthrene	3680	100	4,000.000		92.0	40 - 140	0.569	30	
Anthracene	3880	100	4,000.000		97.0	40 - 140	0.0906	30	
Fluoranthene	4080	100	4,000.000		102	40 - 140	0.765	30	

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS Dup (BK52416-BSD1) - Continued					Prepared: 11/24/2025 Analyzed: 11/25/2025				
Pyrene	4030	100	4,000.000		101	40 - 140	0.632	30	
Benzo[a]anthracene	3920	100	4,000.000		97.9	40 - 140	0.389	30	
Chrysene	3970	100	4,000.000		99.2	40 - 140	0.517	30	
Benzo[b]fluoranthene	3850	100	4,000.000		96.3	40 - 140	0.574	30	
Benzo[k]fluoranthene	3970	100	4,000.000		99.3	40 - 140	1.70	30	
Benzo[a]pyrene	4020	100	4,000.000		101	40 - 140	0.518	30	
Indeno[1,2,3-cd]pyrene	4050	100	4,000.000		101	40 - 140	0.129	30	
Dibenz[a,h]anthracene	4080	100	4,000.000		102	40 - 140	0.458	30	
Benzo[g,h,i]perylene	4020	100	4,000.000		101	40 - 140	0.504	30	
Surrogate: Nitrobenzene-d5					*81.4*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*79.3*	*30 - 130*			
Surrogate: Terphenyl-d14					*90.3*	*30 - 130*			
Matrix Spike (BK52416-MS1)		**Source: 25K0631-04**			Prepared: 11/24/2025 Analyzed: 11/26/2025				
Naphthalene	3490	110	4,583.796	ND	76.2	40 - 140			
2-Methyl Naphthalene	3740	230	4,583.796	ND	81.6	40 - 140			
Acenaphthylene	3930	110	4,583.796	95.5	83.6	40 - 140			
Acenaphthene	4000	110	4,583.796	ND	87.4	40 - 140			
Fluorene	4130	110	4,583.796	50.0	89.1	40 - 140			
Phenanthrene	4590	110	4,583.796	632	86.3	40 - 140			
Anthracene	4410	110	4,583.796	191	92.1	40 - 140			
Fluoranthene	5670	110	4,583.796	1440	92.4	40 - 140			
Pyrene	5260	110	4,583.796	1220	88.3	40 - 140			
Benzo[a]anthracene	4940	110	4,583.796	705	92.4	40 - 140			
Chrysene	5070	110	4,583.796	895	91.2	40 - 140			
Benzo[b]fluoranthene	5050	110	4,583.796	1180	84.4	40 - 140			
Benzo[k]fluoranthene	4900	110	4,583.796	379	98.7	40 - 140			
Benzo[a]pyrene	5170	110	4,583.796	936	92.4	40 - 140			
Indeno[1,2,3-cd]pyrene	4640	110	4,583.796	600	88.1	40 - 140			
Dibenz[a,h]anthracene	4310	110	4,583.796	173	90.3	40 - 140			
Benzo[g,h,i]perylene	4820	110	4,583.796	895	85.6	40 - 140			
Surrogate: Nitrobenzene-d5					*77.3*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*78.6*	*30 - 130*			
Surrogate: Terphenyl-d14					*90.8*	*30 - 130*			
Matrix Spike Dup (BK52416-MSD1)		**Source: 25K0631-04**			Prepared: 11/24/2025 Analyzed: 11/26/2025				
Naphthalene	3450	110	4,597.547	ND	74.9	40 - 140	1.39	30	
2-Methyl Naphthalene	3710	230	4,597.547	ND	80.7	40 - 140	0.791	30	
Acenaphthylene	3960	110	4,597.547	95.5	84.0	40 - 140	0.802	30	
Acenaphthene	4060	110	4,597.547	ND	88.4	40 - 140	1.49	30	
Fluorene	4220	110	4,597.547	50.0	90.6	40 - 140	1.99	30	
Phenanthrene	4620	110	4,597.547	632	86.8	40 - 140	0.698	30	
Anthracene	4430	110	4,597.547	191	92.1	40 - 140	0.357	30	
Fluoranthene	5970	110	4,597.547	1440	98.6	40 - 140	5.10	30	
Pyrene	5570	110	4,597.547	1220	94.7	40 - 140	5.63	30	
Benzo[a]anthracene	4980	110	4,597.547	705	93.0	40 - 140	0.870	30	
Chrysene	5060	110	4,597.547	895	90.6	40 - 140	0.277	30	
Benzo[b]fluoranthene	5070	110	4,597.547	1180	84.6	40 - 140	0.433	30	
Benzo[k]fluoranthene	4700	110	4,597.547	379	94.0	40 - 140	4.18	30	
Benzo[a]pyrene	5160	110	4,597.547	936	91.9	40 - 140	0.232	30	
Indeno[1,2,3-cd]pyrene	4960	110	4,597.547	600	94.8	40 - 140	6.69	30	
Dibenz[a,h]anthracene	4620	110	4,597.547	173	96.8	40 - 140	7.01	30	
Benzo[g,h,i]perylene	5080	110	4,597.547	895	91.1	40 - 140	5.38	30	

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Matrix Spike Dup (BK52416-MSD1) - Continued		**Source: 25K0631-04**			Prepared: 11/24/2025 Analyzed: 11/26/2025				
Surrogate: Nitrobenzene-d5					*75.6*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*79.3*	*30 - 130*			
Surrogate: Terphenyl-d14					*86.7*	*30 - 130*			

Batch BK52417 - EPA 6010D

Analyte	Result (mg/kg)	RL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52417-BLK1)					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Lead	ND	2.0							
Cadmium	ND	0.50							
Arsenic	ND	2.0							
Copper	ND	2.0							
LCS (BK52417-BS1)					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Lead	89.4	2.0	98.600		90.6	82 - 119			
Cadmium	197	0.50	190.000		104	82 - 118			
Arsenic	128	2.0	148.000		86.6	82 - 119			
Copper	209	2.0	234.000		89.5	83 - 117			
LCS Dup (BK52417-BSD1)					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Lead	93.5	2.0	98.600		94.8	82 - 119	4.49	30	
Cadmium	213	0.50	190.000		112	82 - 118	7.52	30	
Arsenic	140	2.0	148.000		94.4	82 - 119	8.71	30	
Copper	249	2.0	234.000		107	83 - 117	17.5	30	
Duplicate (BK52417-DUP1)		**Source: 25K0631-01**			Prepared: 11/24/2025 Analyzed: 11/24/2025				
Lead	63.1	2.1		68.1			7.58	35	
Cadmium	0.211	0.53		0.235			10.9	35	
Arsenic	4.77	2.1		5.00			4.84	35	
Copper	22.2	2.1		21.7			2.10	35	
Matrix Spike (BK52417-MS1)		**Source: 25K0631-01**			Prepared: 11/24/2025 Analyzed: 11/24/2025				
Lead	90.7	2.1	25.808	68.1	87.8	75 - 125			
Cadmium	24.6	0.52	25.808	0.235	94.2	75 - 125			
Arsenic	27.2	2.1	25.808	5.00	85.9	75 - 125			
Copper	46.2	2.1	25.808	21.7	94.7	75 - 125			
Matrix Spike Dup (BK52417-MSD1)		**Source: 25K0631-01**			Prepared: 11/24/2025 Analyzed: 11/24/2025				
Lead	87.9	2.1	26.093	68.1	76.1	75 - 125	3.12	35	
Cadmium	24.3	0.52	26.093	0.235	92.4	75 - 125	0.871	35	
Arsenic	27.0	2.1	26.093	5.00	84.3	75 - 125	0.566	35	
Copper	46.0	2.1	26.093	21.7	93.2	75 - 125	0.267	35	

Batch BK52436 - EPA 8260D

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52436-BLK1)					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Dichlorodifluoromethane	ND	7.5							
Chloromethane	ND	5.0							
Vinyl Chloride	ND	2.5							
Bromomethane	ND	5.0							
Chloroethane	ND	5.0							
Trichlorofluoromethane	ND	20							
Acetone	ND	75							
Acrylonitrile	ND	4.0							
Trichlorotrifluoroethane	ND	20							
1,1-Dichloroethene	ND	2.5							
t-Butanol	ND	25							
Methylene Chloride	ND	30							
Carbon Disulfide	ND	5.0							
Methyl-t-Butyl Ether (MTBE)	ND	2.5							
trans-1,2-Dichloroethene	ND	2.5							
Di-isopropyl ether	ND	5.0							
1,1-Dichloroethane	ND	2.5							
t-Butyl ethyl ether	ND	5.0							
2-Butanone (MEK)	ND	13							
2,2-Dichloropropane	ND	2.5							
cis-1,2-Dichloroethene	ND	2.5							
Bromochloromethane	ND	2.5							
Chloroform	ND	2.5							
Tetrahydrofuran	ND	13							
1,1,1-Trichloroethane	ND	2.5							
tert-Amyl methyl ether (TAME)	ND	5.0							
Carbon Tetrachloride	ND	2.5							
1,1-Dichloropropene	ND	2.5							
Benzene	ND	2.5							
1,2-Dichloroethane	ND	2.5							
Trichloroethene	ND	2.5							
1,2-Dichloropropane	ND	2.5							
Dibromomethane	ND	2.5							
Bromodichloromethane	ND	2.5							
Methyl Isobutyl Ketone	ND	13							
cis-1,3-Dichloropropene	ND	2.5							
Toluene	ND	2.5							
trans-1,3-Dichloropropene	ND	2.5							
2-Hexanone	ND	13							
1,1,2-Trichloroethane	ND	2.5							
Tetrachloroethene	ND	2.5							
1,3-Dichloropropane	ND	2.5							
Dibromochloromethane	ND	2.5							
1,2-Dibromoethane	ND	2.5							
trans-1,4-Dichloro-2-Butene	ND	13							
Chlorobenzene	ND	2.5							
1,1,1,2-Tetrachloroethane	ND	2.5							
Ethylbenzene	ND	2.5							
m+p Xylenes	ND	5.0							
o-Xylene	ND	2.5							
Styrene	ND	2.5							
Bromoform	ND	2.5							

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52436-BLK1) - Continued					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Isopropylbenzene	ND	2.5							
1,1,2,2-Tetrachloroethane	ND	2.5							
Bromobenzene	ND	2.5							
1,2,3-Trichloropropane	ND	2.5							
n-Propylbenzene	ND	2.5							
2-Chlorotoluene	ND	2.5							
4-Chlorotoluene	ND	2.5							
1,3,5-Trimethylbenzene	ND	2.5							
tert-Butylbenzene	ND	2.5							
1,2,4-Trimethylbenzene	ND	2.5							
sec-Butylbenzene	ND	2.5							
1,3-Dichlorobenzene	ND	2.5							
4-Isopropyltoluene	ND	2.5							
1,4-Dichlorobenzene	ND	2.5							
1,2-Dichlorobenzene	ND	2.5							
n-Butylbenzene	ND	2.5							
1,2-Dibromo-3-Chloropropane	ND	2.5							
1,2,4-Trichlorobenzene	ND	2.5							
Hexachlorobutadiene	ND	2.5							
Naphthalene	ND	5.0							
1,2,3-Trichlorobenzene	ND	5.0							
Ethyl Ether	ND	25							
1,4-Dioxane	ND	100							
Surrogate: 1,2-Dichloroethane-d4					*82.8*	*70 - 130*			
Surrogate: Toluene-d8					*99.7*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene					*97.0*	*70 - 130*			
LCS (BK52436-BS1)					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Dichlorodifluoromethane	46.1	7.5	50.000		92.2	70 - 130			
Chloromethane	52.9	5.0	50.000		106	70 - 130			
Vinyl Chloride	48.8	2.5	50.000		97.5	70 - 130			
Bromomethane	45.2	5.0	50.000		90.3	70 - 130			
Chloroethane	45.7	5.0	50.000		91.3	70 - 130			
Trichlorofluoromethane	43.2	20	50.000		86.4	70 - 130			
Acetone	92.9	75	100.000		92.9	70 - 130			
Acrylonitrile	43.4	4.0	50.000		86.8	70 - 130			
Trichlorotrifluoroethane	45.9	20	50.000		91.7	70 - 130			
1,1-Dichloroethene	45.3	2.5	50.000		90.6	70 - 130			
t-Butanol	422	25	500.000		84.4	70 - 130			
Methylene Chloride	49.7	30	50.000		99.4	70 - 130			
Carbon Disulfide	45.9	5.0	50.000		91.7	70 - 130			
Methyl-t-Butyl Ether (MTBE)	49.8	2.5	50.000		99.5	70 - 130			
trans-1,2-Dichloroethene	50.8	2.5	50.000		102	70 - 130			
Di-isopropyl ether	51.8	5.0	50.000		104	70 - 130			
1,1-Dichloroethane	50.3	2.5	50.000		101	70 - 130			
t-Butyl ethyl ether	49.4	5.0	50.000		98.7	70 - 130			
2-Butanone (MEK)	91.1	13	100.000		91.1	70 - 130			
2,2-Dichloropropane	57.0	2.5	50.000		114	70 - 130			
cis-1,2-Dichloroethene	51.5	2.5	50.000		103	70 - 130			
Bromochloromethane	50.1	2.5	50.000		100	70 - 130			
Chloroform	50.1	2.5	50.000		100	70 - 130			
Tetrahydrofuran	49.3	13	50.000		98.7	70 - 130			
1,1,1-Trichloroethane	51.2	2.5	50.000		102	70 - 130			

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (BK52436-BS1) - Continued					Prepared: 11/24/2025 Analyzed: 11/24/2025				
tert-Amyl methyl ether (TAME)	52.0	5.0	50.000		104	70 - 130			
Carbon Tetrachloride	56.6	2.5	50.000		113	70 - 130			
1,1-Dichloropropene	47.0	2.5	50.000		94.0	70 - 130			
Benzene	35.6	2.5	50.000		71.2	70 - 130			
1,2-Dichloroethane	52.3	2.5	50.000		105	70 - 130			
Trichloroethene	50.1	2.5	50.000		100	70 - 130			
1,2-Dichloropropane	51.3	2.5	50.000		103	70 - 130			
Dibromomethane	51.8	2.5	50.000		104	70 - 130			
Bromodichloromethane	54.8	2.5	50.000		110	70 - 130			
Methyl Isobutyl Ketone	103	13	100.000		103	70 - 130			
cis-1,3-Dichloropropene	54.9	2.5	50.000		110	70 - 130			
Toluene	49.6	2.5	50.000		99.3	70 - 130			
trans-1,3-Dichloropropene	56.2	2.5	50.000		112	70 - 130			
2-Hexanone	102	13	100.000		102	70 - 130			
1,1,2-Trichloroethane	50.2	2.5	50.000		100	70 - 130			
Tetrachloroethene	48.3	2.5	50.000		96.6	70 - 130			
1,3-Dichloropropane	50.1	2.5	50.000		100	70 - 130			
Dibromochloromethane	53.9	2.5	50.000		108	70 - 130			
1,2-Dibromoethane	53.6	2.5	50.000		107	70 - 130			
trans-1,4-Dichloro-2-Butene	53.7	13	50.000		107	70 - 130			
Chlorobenzene	53.0	2.5	50.000		106	70 - 130			
1,1,1,2-Tetrachloroethane	54.0	2.5	50.000		108	70 - 130			
Ethylbenzene	53.5	2.5	50.000		107	70 - 130			
m+p Xylenes	107	5.0	100.000		107	70 - 130			
o-Xylene	53.6	2.5	50.000		107	70 - 130			
Styrene	54.6	2.5	50.000		109	70 - 130			
Bromoform	54.1	2.5	50.000		108	70 - 130			
Isopropylbenzene	53.7	2.5	50.000		107	70 - 130			
1,1,2,2-Tetrachloroethane	53.7	2.5	50.000		107	70 - 130			
Bromobenzene	53.6	2.5	50.000		107	70 - 130			
1,2,3-Trichloropropane	51.0	2.5	50.000		102	70 - 130			
n-Propylbenzene	55.7	2.5	50.000		111	70 - 130			
2-Chlorotoluene	53.7	2.5	50.000		107	70 - 130			
4-Chlorotoluene	53.7	2.5	50.000		107	70 - 130			
1,3,5-Trimethylbenzene	56.1	2.5	50.000		112	70 - 130			
tert-Butylbenzene	54.8	2.5	50.000		110	70 - 130			
1,2,4-Trimethylbenzene	53.9	2.5	50.000		108	70 - 130			
sec-Butylbenzene	56.0	2.5	50.000		112	70 - 130			
1,3-Dichlorobenzene	55.7	2.5	50.000		111	70 - 130			
4-Isopropyltoluene	55.9	2.5	50.000		112	70 - 130			
1,4-Dichlorobenzene	52.6	2.5	50.000		105	70 - 130			
1,2-Dichlorobenzene	54.2	2.5	50.000		108	70 - 130			
n-Butylbenzene	57.8	2.5	50.000		116	70 - 130			
1,2-Dibromo-3-Chloropropane	52.4	2.5	50.000		105	70 - 130			
1,2,4-Trichlorobenzene	55.2	2.5	50.000		110	70 - 130			
Hexachlorobutadiene	57.3	2.5	50.000		115	70 - 130			
Naphthalene	53.6	5.0	50.000		107	70 - 130			
1,2,3-Trichlorobenzene	54.3	5.0	50.000		109	70 - 130			
Ethyl Ether	34.1	25	50.000		**68.1**	70 - 130			**L**
Surrogate: 1,2-Dichloroethane-d4					*77.9*	*70 - 130*			
Surrogate: Toluene-d8					*98.1*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene					*98.1*	*70 - 130*			

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS Dup (BK52436-BSD1)					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Dichlorodifluoromethane	38.5	7.5	50.000		77.0	70 - 130	17.9	20	
Chloromethane	45.0	5.0	50.000		90.0	70 - 130	16.1	20	
Vinyl Chloride	44.4	2.5	50.000		88.7	70 - 130	9.45	20	
Bromomethane	43.6	5.0	50.000		87.1	70 - 130	3.61	20	
Chloroethane	41.2	5.0	50.000		82.4	70 - 130	10.2	20	
Trichlorofluoromethane	41.0	20	50.000		81.9	70 - 130	5.28	20	
Acetone	88.7	75	100.000		88.7	70 - 130	4.55	20	
Acrylonitrile	46.0	4.0	50.000		91.9	70 - 130	5.68	20	
Trichlorotrifluoroethane	47.9	20	50.000		95.9	70 - 130	4.43	20	
1,1-Dichloroethene	48.2	2.5	50.000		96.3	70 - 130	6.10	20	
t-Butanol	477	25	500.000		95.4	70 - 130	12.2	20	
Methylene Chloride	49.0	30	50.000		98.0	70 - 130	1.42	20	
Carbon Disulfide	44.6	5.0	50.000		89.1	70 - 130	2.85	20	
Methyl-t-Butyl Ether (MTBE)	51.0	2.5	50.000		102	70 - 130	2.50	20	
trans-1,2-Dichloroethene	50.2	2.5	50.000		100	70 - 130	1.13	20	
Di-isopropyl ether	51.9	5.0	50.000		104	70 - 130	0.251	20	
1,1-Dichloroethane	50.1	2.5	50.000		100	70 - 130	0.558	20	
t-Butyl ethyl ether	51.6	5.0	50.000		103	70 - 130	4.48	20	
2-Butanone (MEK)	94.4	13	100.000		94.4	70 - 130	3.49	20	
2,2-Dichloropropane	56.2	2.5	50.000		112	70 - 130	1.47	20	
cis-1,2-Dichloroethene	51.1	2.5	50.000		102	70 - 130	0.780	20	
Bromochloromethane	50.8	2.5	50.000		102	70 - 130	1.43	20	
Chloroform	50.4	2.5	50.000		101	70 - 130	0.617	20	
Tetrahydrofuran	43.4	13	50.000		86.7	70 - 130	12.9	20	
1,1,1-Trichloroethane	50.2	2.5	50.000		100	70 - 130	2.07	20	
tert-Amyl methyl ether (TAME)	53.5	5.0	50.000		107	70 - 130	2.86	20	
Carbon Tetrachloride	54.4	2.5	50.000		109	70 - 130	3.89	20	
1,1-Dichloropropene	46.0	2.5	50.000		91.9	70 - 130	2.22	20	
Benzene	49.5	2.5	50.000		98.9	70 - 130	**32.6**	20	**D**
1,2-Dichloroethane	41.2	2.5	50.000		82.5	70 - 130	**23.7**	20	**D**
Trichloroethene	48.7	2.5	50.000		97.3	70 - 130	3.02	20	
1,2-Dichloropropane	51.4	2.5	50.000		103	70 - 130	0.312	20	
Dibromomethane	51.2	2.5	50.000		102	70 - 130	1.16	20	
Bromodichloromethane	53.2	2.5	50.000		106	70 - 130	3.11	20	
Methyl Isobutyl Ketone	107	13	100.000		107	70 - 130	3.99	20	
cis-1,3-Dichloropropene	55.1	2.5	50.000		110	70 - 130	0.327	20	
Toluene	48.2	2.5	50.000		96.5	70 - 130	2.86	20	
trans-1,3-Dichloropropene	57.4	2.5	50.000		115	70 - 130	2.20	20	
2-Hexanone	109	13	100.000		109	70 - 130	6.31	20	
1,1,2-Trichloroethane	49.7	2.5	50.000		99.3	70 - 130	1.08	20	
Tetrachloroethene	46.8	2.5	50.000		93.6	70 - 130	3.20	20	
1,3-Dichloropropane	49.3	2.5	50.000		98.6	70 - 130	1.67	20	
Dibromochloromethane	54.1	2.5	50.000		108	70 - 130	0.371	20	
1,2-Dibromoethane	53.0	2.5	50.000		106	70 - 130	1.16	20	
trans-1,4-Dichloro-2-Butene	55.6	13	50.000		111	70 - 130	3.48	20	
Chlorobenzene	52.8	2.5	50.000		106	70 - 130	0.473	20	
1,1,1,2-Tetrachloroethane	55.1	2.5	50.000		110	70 - 130	1.92	20	
Ethylbenzene	53.2	2.5	50.000		106	70 - 130	0.431	20	
m+p Xylenes	105	5.0	100.000		105	70 - 130	1.22	20	
o-Xylene	54.1	2.5	50.000		108	70 - 130	0.910	20	
Styrene	53.0	2.5	50.000		106	70 - 130	2.99	20	
Bromoform	54.9	2.5	50.000		110	70 - 130	1.54	20	
Isopropylbenzene	54.3	2.5	50.000		109	70 - 130	1.06	20	
1,1,2,2-Tetrachloroethane	53.7	2.5	50.000		107	70 - 130	0.168	20	

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS Dup (BK52436-BSD1) - Continued					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Bromobenzene	54.0	2.5	50.000		108	70 - 130	0.762	20	
1,2,3-Trichloropropane	51.5	2.5	50.000		103	70 - 130	1.11	20	
n-Propylbenzene	56.0	2.5	50.000		112	70 - 130	0.627	20	
2-Chlorotoluene	53.7	2.5	50.000		107	70 - 130	0.112	20	
4-Chlorotoluene	54.5	2.5	50.000		109	70 - 130	1.50	20	
1,3,5-Trimethylbenzene	56.2	2.5	50.000		112	70 - 130	0.214	20	
tert-Butylbenzene	55.8	2.5	50.000		112	70 - 130	1.84	20	
1,2,4-Trimethylbenzene	54.3	2.5	50.000		109	70 - 130	0.721	20	
sec-Butylbenzene	57.6	2.5	50.000		115	70 - 130	2.82	20	
1,3-Dichlorobenzene	55.4	2.5	50.000		111	70 - 130	0.378	20	
4-Isopropyltoluene	55.6	2.5	50.000		111	70 - 130	0.556	20	
1,4-Dichlorobenzene	52.6	2.5	50.000		105	70 - 130	0.133	20	
1,2-Dichlorobenzene	55.5	2.5	50.000		111	70 - 130	2.31	20	
n-Butylbenzene	56.7	2.5	50.000		113	70 - 130	1.87	20	
1,2-Dibromo-3-Chloropropane	55.0	2.5	50.000		110	70 - 130	4.95	20	
1,2,4-Trichlorobenzene	56.3	2.5	50.000		113	70 - 130	1.81	20	
Hexachlorobutadiene	57.2	2.5	50.000		114	70 - 130	0.279	20	
Naphthalene	54.9	5.0	50.000		110	70 - 130	2.36	20	
1,2,3-Trichlorobenzene	53.6	5.0	50.000		107	70 - 130	1.21	20	
Ethyl Ether	48.0	25	50.000		96.1	70 - 130	**34.1**	20	**D**
Surrogate: 1,2-Dichloroethane-d4					*81.6*	*70 - 130*			
Surrogate: Toluene-d8					*98.5*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene					*99.2*	*70 - 130*			

Batch BK52437 - EPA 8260D

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52437-BLK1)					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Dichlorodifluoromethane	ND	7.5							
Chloromethane	ND	5.0							
Vinyl Chloride	ND	2.5							
Bromomethane	ND	5.0							
Chloroethane	ND	5.0							
Trichlorofluoromethane	ND	20							
Acetone	ND	75							
Acrylonitrile	ND	4.0							
Trichlorotrifluoroethane	ND	20							
1,1-Dichloroethene	ND	2.5							
t-Butanol	ND	25							
Methylene Chloride	ND	30							
Carbon Disulfide	ND	5.0							
Methyl-t-Butyl Ether (MTBE)	ND	2.5							
trans-1,2-Dichloroethene	ND	2.5							
Di-isopropyl ether	ND	5.0							
1,1-Dichloroethane	ND	2.5							
t-Butyl ethyl ether	ND	5.0							
2-Butanone (MEK)	ND	13							
2,2-Dichloropropane	ND	2.5							
cis-1,2-Dichloroethene	ND	2.5							
Bromochloromethane	ND	2.5							
Chloroform	ND	2.5							
Tetrahydrofuran	ND	13							
1,1,1-Trichloroethane	ND	2.5							
tert-Amyl methyl ether (TAME)	ND	5.0							
Carbon Tetrachloride	ND	2.5							
1,1-Dichloropropene	ND	2.5							
Benzene	ND	2.5							
1,2-Dichloroethane	ND	2.5							
Trichloroethene	ND	2.5							
1,2-Dichloropropane	ND	2.5							
Dibromomethane	ND	2.5							
Bromodichloromethane	ND	2.5							
Methyl Isobutyl Ketone	ND	13							
cis-1,3-Dichloropropene	ND	2.5							
Toluene	ND	2.5							
trans-1,3-Dichloropropene	ND	2.5							
2-Hexanone	ND	13							
1,1,2-Trichloroethane	ND	2.5							
Tetrachloroethene	ND	2.5							
1,3-Dichloropropane	ND	2.5							
Dibromochloromethane	ND	2.5							
1,2-Dibromoethane	ND	2.5							
trans-1,4-Dichloro-2-Butene	ND	13							
Chlorobenzene	ND	2.5							
1,1,1,2-Tetrachloroethane	ND	2.5							
Ethylbenzene	ND	2.5							
m+p Xylenes	ND	5.0							
o-Xylene	ND	2.5							
Styrene	ND	2.5							
Bromoform	ND	2.5							

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52437-BLK1) - Continued					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Isopropylbenzene	ND	2.5							
1,1,2,2-Tetrachloroethane	ND	2.5							
Bromobenzene	ND	2.5							
1,2,3-Trichloropropane	ND	2.5							
n-Propylbenzene	ND	2.5							
2-Chlorotoluene	ND	2.5							
4-Chlorotoluene	ND	2.5							
1,3,5-Trimethylbenzene	ND	2.5							
tert-Butylbenzene	ND	2.5							
1,2,4-Trimethylbenzene	ND	2.5							
sec-Butylbenzene	ND	2.5							
1,3-Dichlorobenzene	ND	2.5							
4-Isopropyltoluene	ND	2.5							
1,4-Dichlorobenzene	ND	2.5							
1,2-Dichlorobenzene	ND	2.5							
n-Butylbenzene	ND	2.5							
1,2-Dibromo-3-Chloropropane	ND	2.5							
1,2,4-Trichlorobenzene	ND	2.5							
Hexachlorobutadiene	ND	2.5							
Naphthalene	ND	5.0							
1,2,3-Trichlorobenzene	ND	5.0							
Ethyl Ether	ND	25							
1,4-Dioxane	ND	100							
Surrogate: 1,2-Dichloroethane-d4					*82.8*	*70 - 130*			
Surrogate: Toluene-d8					*99.7*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene					*97.0*	*70 - 130*			
LCS (BK52437-BS1)					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Dichlorodifluoromethane	46.1	7.5	50.000		92.2	70 - 130			
Chloromethane	52.9	5.0	50.000		106	70 - 130			
Vinyl Chloride	48.8	2.5	50.000		97.5	70 - 130			
Bromomethane	45.2	5.0	50.000		90.3	70 - 130			
Chloroethane	45.7	5.0	50.000		91.3	70 - 130			
Trichlorofluoromethane	43.2	20	50.000		86.4	70 - 130			
Acetone	92.9	75	100.000		92.9	70 - 130			
Acrylonitrile	43.4	4.0	50.000		86.8	70 - 130			
Trichlorotrifluoroethane	45.9	20	50.000		91.7	70 - 130			
1,1-Dichloroethene	45.3	2.5	50.000		90.6	70 - 130			
t-Butanol	422	25	500.000		84.4	70 - 130			
Methylene Chloride	49.7	30	50.000		99.4	70 - 130			
Carbon Disulfide	45.9	5.0	50.000		91.7	70 - 130			
Methyl-t-Butyl Ether (MTBE)	49.8	2.5	50.000		99.5	70 - 130			
trans-1,2-Dichloroethene	50.8	2.5	50.000		102	70 - 130			
Di-isopropyl ether	51.8	5.0	50.000		104	70 - 130			
1,1-Dichloroethane	50.3	2.5	50.000		101	70 - 130			
t-Butyl ethyl ether	49.4	5.0	50.000		98.7	70 - 130			
2-Butanone (MEK)	91.1	13	100.000		91.1	70 - 130			
2,2-Dichloropropane	57.0	2.5	50.000		114	70 - 130			
cis-1,2-Dichloroethene	51.5	2.5	50.000		103	70 - 130			
Bromochloromethane	50.1	2.5	50.000		100	70 - 130			
Chloroform	50.1	2.5	50.000		100	70 - 130			
Tetrahydrofuran	49.3	13	50.000		98.7	70 - 130			
1,1,1-Trichloroethane	51.2	2.5	50.000		102	70 - 130			

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (BK52437-BS1) - Continued					Prepared: 11/24/2025 Analyzed: 11/24/2025				
tert-Amyl methyl ether (TAME)	52.0	5.0	50.000		104	70 - 130			
Carbon Tetrachloride	56.6	2.5	50.000		113	70 - 130			
1,1-Dichloropropene	47.0	2.5	50.000		94.0	70 - 130			
Benzene	35.6	2.5	50.000		71.2	70 - 130			
1,2-Dichloroethane	52.3	2.5	50.000		105	70 - 130			
Trichloroethene	50.1	2.5	50.000		100	70 - 130			
1,2-Dichloropropane	51.3	2.5	50.000		103	70 - 130			
Dibromomethane	51.8	2.5	50.000		104	70 - 130			
Bromodichloromethane	54.8	2.5	50.000		110	70 - 130			
Methyl Isobutyl Ketone	103	13	100.000		103	70 - 130			
cis-1,3-Dichloropropene	54.9	2.5	50.000		110	70 - 130			
Toluene	49.6	2.5	50.000		99.3	70 - 130			
trans-1,3-Dichloropropene	56.2	2.5	50.000		112	70 - 130			
2-Hexanone	102	13	100.000		102	70 - 130			
1,1,2-Trichloroethane	50.2	2.5	50.000		100	70 - 130			
Tetrachloroethene	48.3	2.5	50.000		96.6	70 - 130			
1,3-Dichloropropane	50.1	2.5	50.000		100	70 - 130			
Dibromochloromethane	53.9	2.5	50.000		108	70 - 130			
1,2-Dibromoethane	53.6	2.5	50.000		107	70 - 130			
trans-1,4-Dichloro-2-Butene	53.7	13	50.000		107	70 - 130			
Chlorobenzene	53.0	2.5	50.000		106	70 - 130			
1,1,1,2-Tetrachloroethane	54.0	2.5	50.000		108	70 - 130			
Ethylbenzene	53.5	2.5	50.000		107	70 - 130			
m+p Xylenes	107	5.0	100.000		107	70 - 130			
o-Xylene	53.6	2.5	50.000		107	70 - 130			
Styrene	54.6	2.5	50.000		109	70 - 130			
Bromoform	54.1	2.5	50.000		108	70 - 130			
Isopropylbenzene	53.7	2.5	50.000		107	70 - 130			
1,1,2,2-Tetrachloroethane	53.7	2.5	50.000		107	70 - 130			
Bromobenzene	53.6	2.5	50.000		107	70 - 130			
1,2,3-Trichloropropane	51.0	2.5	50.000		102	70 - 130			
n-Propylbenzene	55.7	2.5	50.000		111	70 - 130			
2-Chlorotoluene	53.7	2.5	50.000		107	70 - 130			
4-Chlorotoluene	53.7	2.5	50.000		107	70 - 130			
1,3,5-Trimethylbenzene	56.1	2.5	50.000		112	70 - 130			
tert-Butylbenzene	54.8	2.5	50.000		110	70 - 130			
1,2,4-Trimethylbenzene	53.9	2.5	50.000		108	70 - 130			
sec-Butylbenzene	56.0	2.5	50.000		112	70 - 130			
1,3-Dichlorobenzene	55.7	2.5	50.000		111	70 - 130			
4-Isopropyltoluene	55.9	2.5	50.000		112	70 - 130			
1,4-Dichlorobenzene	52.6	2.5	50.000		105	70 - 130			
1,2-Dichlorobenzene	54.2	2.5	50.000		108	70 - 130			
n-Butylbenzene	57.8	2.5	50.000		116	70 - 130			
1,2-Dibromo-3-Chloropropane	52.4	2.5	50.000		105	70 - 130			
1,2,4-Trichlorobenzene	55.2	2.5	50.000		110	70 - 130			
Hexachlorobutadiene	57.3	2.5	50.000		115	70 - 130			
Naphthalene	53.6	5.0	50.000		107	70 - 130			
1,2,3-Trichlorobenzene	54.3	5.0	50.000		109	70 - 130			
Ethyl Ether	34.1	25	50.000		**68.1**	70 - 130			**L**
Surrogate: 1,2-Dichloroethane-d4					*77.9*	*70 - 130*			
Surrogate: Toluene-d8					*98.1*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene					*98.1*	*70 - 130*			

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS Dup (BK52437-BSD1)					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Dichlorodifluoromethane	38.5	7.5	50.000		77.0	70 - 130	17.9	20	
Chloromethane	45.0	5.0	50.000		90.0	70 - 130	16.1	20	
Vinyl Chloride	44.4	2.5	50.000		88.7	70 - 130	9.45	20	
Bromomethane	43.6	5.0	50.000		87.1	70 - 130	3.61	20	
Chloroethane	41.2	5.0	50.000		82.4	70 - 130	10.2	20	
Trichlorofluoromethane	41.0	20	50.000		81.9	70 - 130	5.28	20	
Acetone	88.7	75	100.000		88.7	70 - 130	4.55	20	
Acrylonitrile	46.0	4.0	50.000		91.9	70 - 130	5.68	20	
Trichlorotrifluoroethane	47.9	20	50.000		95.9	70 - 130	4.43	20	
1,1-Dichloroethene	48.2	2.5	50.000		96.3	70 - 130	6.10	20	
t-Butanol	477	25	500.000		95.4	70 - 130	12.2	20	
Methylene Chloride	49.0	30	50.000		98.0	70 - 130	1.42	20	
Carbon Disulfide	44.6	5.0	50.000		89.1	70 - 130	2.85	20	
Methyl-t-Butyl Ether (MTBE)	51.0	2.5	50.000		102	70 - 130	2.50	20	
trans-1,2-Dichloroethene	50.2	2.5	50.000		100	70 - 130	1.13	20	
Di-isopropyl ether	51.9	5.0	50.000		104	70 - 130	0.251	20	
1,1-Dichloroethane	50.1	2.5	50.000		100	70 - 130	0.558	20	
t-Butyl ethyl ether	51.6	5.0	50.000		103	70 - 130	4.48	20	
2-Butanone (MEK)	94.4	13	100.000		94.4	70 - 130	3.49	20	
2,2-Dichloropropane	56.2	2.5	50.000		112	70 - 130	1.47	20	
cis-1,2-Dichloroethene	51.1	2.5	50.000		102	70 - 130	0.780	20	
Bromochloromethane	50.8	2.5	50.000		102	70 - 130	1.43	20	
Chloroform	50.4	2.5	50.000		101	70 - 130	0.617	20	
Tetrahydrofuran	43.4	13	50.000		86.7	70 - 130	12.9	20	
1,1,1-Trichloroethane	50.2	2.5	50.000		100	70 - 130	2.07	20	
tert-Amyl methyl ether (TAME)	53.5	5.0	50.000		107	70 - 130	2.86	20	
Carbon Tetrachloride	54.4	2.5	50.000		109	70 - 130	3.89	20	
1,1-Dichloropropene	46.0	2.5	50.000		91.9	70 - 130	2.22	20	
Benzene	49.5	2.5	50.000		98.9	70 - 130	**32.6**	20	**D**
1,2-Dichloroethane	41.2	2.5	50.000		82.5	70 - 130	**23.7**	20	**D**
Trichloroethene	48.7	2.5	50.000		97.3	70 - 130	3.02	20	
1,2-Dichloropropane	51.4	2.5	50.000		103	70 - 130	0.312	20	
Dibromomethane	51.2	2.5	50.000		102	70 - 130	1.16	20	
Bromodichloromethane	53.2	2.5	50.000		106	70 - 130	3.11	20	
Methyl Isobutyl Ketone	107	13	100.000		107	70 - 130	3.99	20	
cis-1,3-Dichloropropene	55.1	2.5	50.000		110	70 - 130	0.327	20	
Toluene	48.2	2.5	50.000		96.5	70 - 130	2.86	20	
trans-1,3-Dichloropropene	57.4	2.5	50.000		115	70 - 130	2.20	20	
2-Hexanone	109	13	100.000		109	70 - 130	6.31	20	
1,1,2-Trichloroethane	49.7	2.5	50.000		99.3	70 - 130	1.08	20	
Tetrachloroethene	46.8	2.5	50.000		93.6	70 - 130	3.20	20	
1,3-Dichloropropane	49.3	2.5	50.000		98.6	70 - 130	1.67	20	
Dibromochloromethane	54.1	2.5	50.000		108	70 - 130	0.371	20	
1,2-Dibromoethane	53.0	2.5	50.000		106	70 - 130	1.16	20	
trans-1,4-Dichloro-2-Butene	55.6	13	50.000		111	70 - 130	3.48	20	
Chlorobenzene	52.8	2.5	50.000		106	70 - 130	0.473	20	
1,1,1,2-Tetrachloroethane	55.1	2.5	50.000		110	70 - 130	1.92	20	
Ethylbenzene	53.2	2.5	50.000		106	70 - 130	0.431	20	
m+p Xylenes	105	5.0	100.000		105	70 - 130	1.22	20	
o-Xylene	54.1	2.5	50.000		108	70 - 130	0.910	20	
Styrene	53.0	2.5	50.000		106	70 - 130	2.99	20	
Bromoform	54.9	2.5	50.000		110	70 - 130	1.54	20	
Isopropylbenzene	54.3	2.5	50.000		109	70 - 130	1.06	20	
1,1,2,2-Tetrachloroethane	53.7	2.5	50.000		107	70 - 130	0.168	20	

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS Dup (BK52437-BSD1) - Continued					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Bromobenzene	54.0	2.5	50.000		108	70 - 130	0.762	20	
1,2,3-Trichloropropane	51.5	2.5	50.000		103	70 - 130	1.11	20	
n-Propylbenzene	56.0	2.5	50.000		112	70 - 130	0.627	20	
2-Chlorotoluene	53.7	2.5	50.000		107	70 - 130	0.112	20	
4-Chlorotoluene	54.5	2.5	50.000		109	70 - 130	1.50	20	
1,3,5-Trimethylbenzene	56.2	2.5	50.000		112	70 - 130	0.214	20	
tert-Butylbenzene	55.8	2.5	50.000		112	70 - 130	1.84	20	
1,2,4-Trimethylbenzene	54.3	2.5	50.000		109	70 - 130	0.721	20	
sec-Butylbenzene	57.6	2.5	50.000		115	70 - 130	2.82	20	
1,3-Dichlorobenzene	55.4	2.5	50.000		111	70 - 130	0.378	20	
4-Isopropyltoluene	55.6	2.5	50.000		111	70 - 130	0.556	20	
1,4-Dichlorobenzene	52.6	2.5	50.000		105	70 - 130	0.133	20	
1,2-Dichlorobenzene	55.5	2.5	50.000		111	70 - 130	2.31	20	
n-Butylbenzene	56.7	2.5	50.000		113	70 - 130	1.87	20	
1,2-Dibromo-3-Chloropropane	55.0	2.5	50.000		110	70 - 130	4.95	20	
1,2,4-Trichlorobenzene	56.3	2.5	50.000		113	70 - 130	1.81	20	
Hexachlorobutadiene	57.2	2.5	50.000		114	70 - 130	0.279	20	
Naphthalene	54.9	5.0	50.000		110	70 - 130	2.36	20	
1,2,3-Trichlorobenzene	53.6	5.0	50.000		107	70 - 130	1.21	20	
Ethyl Ether	48.0	25	50.000		96.1	70 - 130	**34.1**	20	**D**
Surrogate: 1,2-Dichloroethane-d4					*81.6*	*70 - 130*			
Surrogate: Toluene-d8					*98.5*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene					*99.2*	*70 - 130*			

Batch BK52438 - EPA 8260D

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52438-BLK1)					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Dichlorodifluoromethane	ND	7.5							
Chloromethane	ND	5.0							
Vinyl Chloride	ND	2.5							
Bromomethane	ND	5.0							
Chloroethane	ND	5.0							
Trichlorofluoromethane	ND	20							
Acetone	ND	75							
Acrylonitrile	ND	4.0							
Trichlorotrifluoroethane	ND	20							
1,1-Dichloroethene	ND	2.5							
t-Butanol	ND	25							
Methylene Chloride	ND	30							
Carbon Disulfide	ND	5.0							
Methyl-t-Butyl Ether (MTBE)	ND	2.5							
trans-1,2-Dichloroethene	ND	2.5							
Di-isopropyl ether	ND	5.0							
1,1-Dichloroethane	ND	2.5							
t-Butyl ethyl ether	ND	5.0							
2-Butanone (MEK)	ND	13							
2,2-Dichloropropane	ND	2.5							
cis-1,2-Dichloroethene	ND	2.5							
Bromochloromethane	ND	2.5							
Chloroform	ND	2.5							
Tetrahydrofuran	ND	13							
1,1,1-Trichloroethane	ND	2.5							
tert-Amyl methyl ether (TAME)	ND	5.0							
Carbon Tetrachloride	ND	2.5							
1,1-Dichloropropene	ND	2.5							
Benzene	ND	2.5							
1,2-Dichloroethane	ND	2.5							
Trichloroethene	ND	2.5							
1,2-Dichloropropane	ND	2.5							
Dibromomethane	ND	2.5							
Bromodichloromethane	ND	2.5							
Methyl Isobutyl Ketone	ND	13							
cis-1,3-Dichloropropene	ND	2.5							
Toluene	ND	2.5							
trans-1,3-Dichloropropene	ND	2.5							
2-Hexanone	ND	13							
1,1,2-Trichloroethane	ND	2.5							
Tetrachloroethene	ND	2.5							
1,3-Dichloropropane	ND	2.5							
Dibromochloromethane	ND	2.5							
1,2-Dibromoethane	ND	2.5							
trans-1,4-Dichloro-2-Butene	ND	13							
Chlorobenzene	ND	2.5							
1,1,1,2-Tetrachloroethane	ND	2.5							
Ethylbenzene	ND	2.5							
m+p Xylenes	ND	5.0							
o-Xylene	ND	2.5							
Styrene	ND	2.5							
Bromoform	ND	2.5							

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52438-BLK1) - Continued					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Isopropylbenzene	ND	2.5							
1,1,2,2-Tetrachloroethane	ND	2.5							
Bromobenzene	ND	2.5							
1,2,3-Trichloropropane	ND	2.5							
n-Propylbenzene	ND	2.5							
2-Chlorotoluene	ND	2.5							
4-Chlorotoluene	ND	2.5							
1,3,5-Trimethylbenzene	ND	2.5							
tert-Butylbenzene	ND	2.5							
1,2,4-Trimethylbenzene	ND	2.5							
sec-Butylbenzene	ND	2.5							
1,3-Dichlorobenzene	ND	2.5							
4-Isopropyltoluene	ND	2.5							
1,4-Dichlorobenzene	ND	2.5							
1,2-Dichlorobenzene	ND	2.5							
n-Butylbenzene	ND	2.5							
1,2-Dibromo-3-Chloropropane	ND	2.5							
1,2,4-Trichlorobenzene	ND	2.5							
Hexachlorobutadiene	ND	2.5							
Naphthalene	ND	5.0							
1,2,3-Trichlorobenzene	ND	5.0							
Ethyl Ether	ND	25							
1,4-Dioxane	ND	100							
Surrogate: 1,2-Dichloroethane-d4					*96.4*	*70 - 130*			
Surrogate: Toluene-d8					*102*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene					*102*	*70 - 130*			
LCS (BK52438-BS1)					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Dichlorodifluoromethane	65.1	7.5	50.000		130	70 - 130			
Chloromethane	44.5	5.0	50.000		89.0	70 - 130			
Vinyl Chloride	56.8	2.5	50.000		114	70 - 130			
Bromomethane	56.4	5.0	50.000		113	70 - 130			
Chloroethane	50.2	5.0	50.000		100	70 - 130			
Trichlorofluoromethane	45.5	20	50.000		91.0	70 - 130			
Acetone	122	75	100.000		122	70 - 130			
Acrylonitrile	46.3	4.0	50.000		92.6	70 - 130			
Trichlorotrifluoroethane	63.4	20	50.000		127	70 - 130			
1,1-Dichloroethene	54.1	2.5	50.000		108	70 - 130			
t-Butanol	513	25	500.000		103	70 - 130			
Methylene Chloride	43.4	30	50.000		86.7	70 - 130			
Carbon Disulfide	41.8	5.0	50.000		83.5	70 - 130			
Methyl-t-Butyl Ether (MTBE)	49.5	2.5	50.000		99.1	70 - 130			
trans-1,2-Dichloroethene	48.1	2.5	50.000		96.2	70 - 130			
Di-isopropyl ether	44.2	5.0	50.000		88.4	70 - 130			
1,1-Dichloroethane	48.7	2.5	50.000		97.5	70 - 130			
t-Butyl ethyl ether	46.6	5.0	50.000		93.3	70 - 130			
2-Butanone (MEK)	114	13	100.000		114	70 - 130			
2,2-Dichloropropane	56.3	2.5	50.000		113	70 - 130			
cis-1,2-Dichloroethene	49.1	2.5	50.000		98.2	70 - 130			
Bromochloromethane	45.1	2.5	50.000		90.1	70 - 130			
Chloroform	52.6	2.5	50.000		105	70 - 130			
Tetrahydrofuran	40.1	13	50.000		80.1	70 - 130			
1,1,1-Trichloroethane	55.8	2.5	50.000		112	70 - 130			

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (BK52438-BS1) - Continued					Prepared: 11/24/2025 Analyzed: 11/24/2025				
tert-Amyl methyl ether (TAME)	70.9	5.0	50.000		**142**	70 - 130			**H**
Carbon Tetrachloride	57.9	2.5	50.000		116	70 - 130			
1,1-Dichloropropene	48.8	2.5	50.000		97.6	70 - 130			
Benzene	48.8	2.5	50.000		97.6	70 - 130			
1,2-Dichloroethane	49.1	2.5	50.000		98.3	70 - 130			
Trichloroethene	57.2	2.5	50.000		114	70 - 130			
1,2-Dichloropropane	48.0	2.5	50.000		95.9	70 - 130			
Dibromomethane	54.8	2.5	50.000		110	70 - 130			
Bromodichloromethane	52.3	2.5	50.000		105	70 - 130			
Methyl Isobutyl Ketone	91.9	13	100.000		91.9	70 - 130			
cis-1,3-Dichloropropene	51.2	2.5	50.000		102	70 - 130			
Toluene	47.6	2.5	50.000		95.2	70 - 130			
trans-1,3-Dichloropropene	51.2	2.5	50.000		102	70 - 130			
2-Hexanone	98.6	13	100.000		98.6	70 - 130			
1,1,2-Trichloroethane	49.9	2.5	50.000		99.8	70 - 130			
Tetrachloroethene	51.1	2.5	50.000		102	70 - 130			
1,3-Dichloropropane	48.9	2.5	50.000		97.7	70 - 130			
Dibromochloromethane	48.5	2.5	50.000		97.1	70 - 130			
1,2-Dibromoethane	48.7	2.5	50.000		97.4	70 - 130			
trans-1,4-Dichloro-2-Butene	37.4	13	50.000		74.8	70 - 130			
Chlorobenzene	48.1	2.5	50.000		96.3	70 - 130			
1,1,1,2-Tetrachloroethane	49.4	2.5	50.000		98.8	70 - 130			
Ethylbenzene	44.7	2.5	50.000		89.4	70 - 130			
m+p Xylenes	97.3	5.0	100.000		97.3	70 - 130			
o-Xylene	46.0	2.5	50.000		91.9	70 - 130			
Styrene	48.6	2.5	50.000		97.2	70 - 130			
Bromoform	46.9	2.5	50.000		93.8	70 - 130			
Isopropylbenzene	47.9	2.5	50.000		95.8	70 - 130			
1,1,2,2-Tetrachloroethane	48.0	2.5	50.000		96.0	70 - 130			
Bromobenzene	40.3	2.5	50.000		80.6	70 - 130			
1,2,3-Trichloropropane	45.6	2.5	50.000		91.2	70 - 130			
n-Propylbenzene	45.8	2.5	50.000		91.6	70 - 130			
2-Chlorotoluene	44.3	2.5	50.000		88.5	70 - 130			
4-Chlorotoluene	43.8	2.5	50.000		87.7	70 - 130			
1,3,5-Trimethylbenzene	45.1	2.5	50.000		90.2	70 - 130			
tert-Butylbenzene	47.3	2.5	50.000		94.7	70 - 130			
1,2,4-Trimethylbenzene	45.1	2.5	50.000		90.2	70 - 130			
sec-Butylbenzene	46.1	2.5	50.000		92.3	70 - 130			
1,3-Dichlorobenzene	47.0	2.5	50.000		94.0	70 - 130			
4-Isopropyltoluene	46.9	2.5	50.000		93.7	70 - 130			
1,4-Dichlorobenzene	46.1	2.5	50.000		92.1	70 - 130			
1,2-Dichlorobenzene	48.0	2.5	50.000		96.0	70 - 130			
n-Butylbenzene	45.8	2.5	50.000		91.7	70 - 130			
1,2-Dibromo-3-Chloropropane	40.3	2.5	50.000		80.7	70 - 130			
1,2,4-Trichlorobenzene	47.3	2.5	50.000		94.7	70 - 130			
Hexachlorobutadiene	49.4	2.5	50.000		98.8	70 - 130			
Naphthalene	50.7	5.0	50.000		101	70 - 130			
1,2,3-Trichlorobenzene	52.8	5.0	50.000		106	70 - 130			
Ethyl Ether	45.7	25	50.000		91.4	70 - 130			
Surrogate: 1,2-Dichloroethane-d4					*92.0*	*70 - 130*			
Surrogate: Toluene-d8					*101*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene					*101*	*70 - 130*			

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS Dup (BK52438-BSD1)					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Dichlorodifluoromethane	52.3	7.5	50.000		105	70 - 130	**21.9**	20	**D**
Chloromethane	38.7	5.0	50.000		77.5	70 - 130	13.9	20	
Vinyl Chloride	49.7	2.5	50.000		99.4	70 - 130	13.4	20	
Bromomethane	52.3	5.0	50.000		105	70 - 130	7.55	20	
Chloroethane	46.9	5.0	50.000		93.9	70 - 130	6.77	20	
Trichlorofluoromethane	41.7	20	50.000		83.3	70 - 130	8.77	20	
Acetone	107	75	100.000		107	70 - 130	12.8	20	
Acrylonitrile	44.9	4.0	50.000		89.9	70 - 130	2.98	20	
Trichlorotrifluoroethane	60.5	20	50.000		121	70 - 130	4.71	20	
1,1-Dichloroethene	52.5	2.5	50.000		105	70 - 130	3.04	20	
t-Butanol	493	25	500.000		98.7	70 - 130	3.88	20	
Methylene Chloride	41.9	30	50.000		83.7	70 - 130	3.54	20	
Carbon Disulfide	39.0	5.0	50.000		77.9	70 - 130	6.96	20	
Methyl-t-Butyl Ether (MTBE)	49.6	2.5	50.000		99.2	70 - 130	0.161	20	
trans-1,2-Dichloroethene	46.1	2.5	50.000		92.3	70 - 130	4.12	20	
Di-isopropyl ether	44.3	5.0	50.000		88.5	70 - 130	0.113	20	
1,1-Dichloroethane	47.9	2.5	50.000		95.8	70 - 130	1.70	20	
t-Butyl ethyl ether	46.1	5.0	50.000		92.1	70 - 130	1.23	20	
2-Butanone (MEK)	104	13	100.000		104	70 - 130	9.52	20	
2,2-Dichloropropane	55.1	2.5	50.000		110	70 - 130	1.99	20	
cis-1,2-Dichloroethene	48.0	2.5	50.000		96.0	70 - 130	2.29	20	
Bromochloromethane	43.5	2.5	50.000		87.0	70 - 130	3.52	20	
Chloroform	51.8	2.5	50.000		104	70 - 130	1.40	20	
Tetrahydrofuran	38.8	13	50.000		77.6	70 - 130	3.17	20	
1,1,1-Trichloroethane	53.9	2.5	50.000		108	70 - 130	3.48	20	
tert-Amyl methyl ether (TAME)	66.9	5.0	50.000		134	70 - 130	5.75	20	**H**
Carbon Tetrachloride	55.2	2.5	50.000		110	70 - 130	4.85	20	
1,1-Dichloropropene	46.7	2.5	50.000		93.3	70 - 130	4.44	20	
Benzene	46.5	2.5	50.000		93.1	70 - 130	4.80	20	
1,2-Dichloroethane	47.7	2.5	50.000		95.5	70 - 130	2.89	20	
Trichloroethene	54.8	2.5	50.000		110	70 - 130	4.23	20	
1,2-Dichloropropane	46.8	2.5	50.000		93.7	70 - 130	2.36	20	
Dibromomethane	52.7	2.5	50.000		105	70 - 130	3.85	20	
Bromodichloromethane	51.1	2.5	50.000		102	70 - 130	2.44	20	
Methyl Isobutyl Ketone	89.7	13	100.000		89.7	70 - 130	2.46	20	
cis-1,3-Dichloropropene	51.2	2.5	50.000		102	70 - 130	0.0391	20	
Toluene	45.4	2.5	50.000		90.9	70 - 130	4.64	20	
trans-1,3-Dichloropropene	51.2	2.5	50.000		102	70 - 130	0.0391	20	
2-Hexanone	93.0	13	100.000		93.0	70 - 130	5.84	20	
1,1,2-Trichloroethane	47.8	2.5	50.000		95.5	70 - 130	4.38	20	
Tetrachloroethene	47.6	2.5	50.000		95.1	70 - 130	7.14	20	
1,3-Dichloropropane	48.6	2.5	50.000		97.2	70 - 130	0.492	20	
Dibromochloromethane	49.5	2.5	50.000		99.0	70 - 130	1.94	20	
1,2-Dibromoethane	48.5	2.5	50.000		96.9	70 - 130	0.515	20	
trans-1,4-Dichloro-2-Butene	35.2	13	50.000		70.4	70 - 130	6.17	20	
Chlorobenzene	47.7	2.5	50.000		95.3	70 - 130	0.960	20	
1,1,1,2-Tetrachloroethane	47.3	2.5	50.000		94.7	70 - 130	4.28	20	
Ethylbenzene	43.6	2.5	50.000		87.2	70 - 130	2.56	20	
m+p Xylenes	97.4	5.0	100.000		97.4	70 - 130	0.103	20	
o-Xylene	46.1	2.5	50.000		92.1	70 - 130	0.217	20	
Styrene	49.3	2.5	50.000		98.5	70 - 130	1.41	20	
Bromoform	43.0	2.5	50.000		85.9	70 - 130	8.70	20	
Isopropylbenzene	46.9	2.5	50.000		93.8	70 - 130	2.17	20	
1,1,2,2-Tetrachloroethane	46.0	2.5	50.000		92.0	70 - 130	4.34	20	

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS Dup (BK52438-BSD1) - Continued					Prepared: 11/24/2025 Analyzed: 11/24/2025				
Bromobenzene	38.5	2.5	50.000		77.0	70 - 130	4.59	20	
1,2,3-Trichloropropane	42.2	2.5	50.000		84.4	70 - 130	7.81	20	
n-Propylbenzene	45.0	2.5	50.000		90.0	70 - 130	1.81	20	
2-Chlorotoluene	42.9	2.5	50.000		85.9	70 - 130	3.00	20	
4-Chlorotoluene	42.6	2.5	50.000		85.3	70 - 130	2.75	20	
1,3,5-Trimethylbenzene	45.4	2.5	50.000		90.8	70 - 130	0.619	20	
tert-Butylbenzene	46.5	2.5	50.000		92.9	70 - 130	1.88	20	
1,2,4-Trimethylbenzene	44.2	2.5	50.000		88.4	70 - 130	1.99	20	
sec-Butylbenzene	44.4	2.5	50.000		88.7	70 - 130	3.89	20	
1,3-Dichlorobenzene	46.0	2.5	50.000		91.9	70 - 130	2.24	20	
4-Isopropyltoluene	45.0	2.5	50.000		90.0	70 - 130	4.07	20	
1,4-Dichlorobenzene	44.5	2.5	50.000		89.0	70 - 130	3.47	20	
1,2-Dichlorobenzene	47.1	2.5	50.000		94.3	70 - 130	1.81	20	
n-Butylbenzene	43.9	2.5	50.000		87.8	70 - 130	4.30	20	
1,2-Dibromo-3-Chloropropane	44.0	2.5	50.000		87.9	70 - 130	8.64	20	
1,2,4-Trichlorobenzene	43.6	2.5	50.000		87.2	70 - 130	8.25	20	
Hexachlorobutadiene	48.1	2.5	50.000		96.2	70 - 130	2.71	20	
Naphthalene	47.8	5.0	50.000		95.5	70 - 130	6.03	20	
1,2,3-Trichlorobenzene	51.5	5.0	50.000		103	70 - 130	2.44	20	
Ethyl Ether	44.4	25	50.000		88.9	70 - 130	2.84	20	
Surrogate: 1,2-Dichloroethane-d4					*93.2*	*70 - 130*			
Surrogate: Toluene-d8					*98.2*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene					*104*	*70 - 130*			

Batch BK52513 - EPA 7471B

Analyte	Result (mg/kg)	RL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52513-BLK1)					Prepared: 11/25/2025 Analyzed: 11/25/2025				
Mercury	ND	0.13							
LCS (BK52513-BS1)					Prepared: 11/25/2025 Analyzed: 11/25/2025				
Mercury	1.35	0.13	1.250		108	80 - 120			
LCS Dup (BK52513-BSD1)					Prepared: 11/25/2025 Analyzed: 11/25/2025				
Mercury	1.38	0.13	1.250		111	80 - 120	2.56	20	

CET # : 25K0631

Project: Sycamore, Trumbull

Batch BK52537 - EPA 6020B

Analyte	Result (mg/L)	RL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52537-BLK1)					Prepared: 11/25/2025 Analyzed: 11/25/2025				
Lead	ND	0.013							
Cadmium	ND	0.0050							
Arsenic	ND	0.0090							
Copper	ND	0.040							
Mercury	ND	0.0020							
LCS (BK52537-BS1)					Prepared: 11/25/2025 Analyzed: 11/25/2025				
Lead	0.207	0.013	0.200		103	80 - 120			
Cadmium	0.195	0.0051	0.200		97.5	80 - 120			
Arsenic	0.198	0.0092	0.200		98.8	80 - 120			
Copper	0.205	0.041	0.200		102	80 - 120			
Mercury	0.00461	0.0020	0.005		92.2	80 - 120			
LCS Dup (BK52537-BSD1)					Prepared: 11/25/2025 Analyzed: 11/25/2025				
Lead	0.203	0.013	0.200		102	80 - 120	1.78	20	
Cadmium	0.191	0.0051	0.200		95.7	80 - 120	1.81	20	
Arsenic	0.194	0.0092	0.200		97.2	80 - 120	1.68	20	
Copper	0.199	0.041	0.200		99.4	80 - 120	3.05	20	
Mercury	0.00441	0.0020	0.005		88.3	80 - 120	4.28	20	

Batch BK52601 - EPA 8081B

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52601-BLK1)					Prepared: 11/26/2025 Analyzed: 11/26/2025				
Hexachlorobenzene	ND	0.0050							
Alpha-BHC	ND	0.0050							
Gamma-BHC	ND	0.0050							
Heptachlor	ND	0.0050							
Aldrin	ND	0.0050							
Beta-BHC	ND	0.0050							
Delta-BHC	ND	0.0050							
Heptachlor Epoxide	ND	0.0050							
Endosulfan I	ND	0.0050							
4,4-DDE	ND	0.0010							
Dieldrin	ND	0.0020							
Endrin	ND	0.022							
4,4-DDD	ND	0.0010							
Endosulfan II	ND	0.0050							
4,4-DDT	ND	0.0010							
Endrin Aldehyde	ND	0.0050							
4,4-Methoxychlor	ND	0.0050							
Endosulfan Sulfate	ND	0.0050							
Endrin Ketone	ND	0.0050							
Chlordane	ND	0.20							
Toxaphene	ND	0.80							
Alachlor	ND	0.20							
Surrogate: TCMX [1C]					*63.0*	*30 - 150*			
Surrogate: TCMX [2C]					*59.0*	*30 - 150*			
Surrogate: DCB [1C]					*74.0*	*30 - 150*			
Surrogate: DCB [2C]					*71.0*	*30 - 150*			
LCS (BK52601-BS1)					Prepared: 11/26/2025 Analyzed: 11/26/2025				
Hexachlorobenzene	0.0410	0.0050	0.050		82.0	40 - 140			
Alpha-BHC	0.0430	0.0050	0.050		86.0	50 - 150			
Gamma-BHC	0.0450	0.0050	0.050		90.0	50 - 150			
Heptachlor	0.0420	0.0050	0.050		84.0	50 - 150			
Aldrin	0.0390	0.0050	0.050		78.0	50 - 150			
Beta-BHC	0.0590	0.0050	0.050		118	50 - 150			
Delta-BHC	0.0510	0.0050	0.050		102	50 - 150			
Heptachlor Epoxide	0.0440	0.0050	0.050		88.0	50 - 150			
Endosulfan I	0.0490	0.0050	0.050		98.0	50 - 150			
4,4-DDE	0.0500	0.0010	0.050		100	50 - 150			
Dieldrin	0.0480	0.0020	0.050		96.0	50 - 150			
Endrin	0.0560	0.022	0.050		112	50 - 150			
4,4-DDD	0.0480	0.0010	0.050		96.0	50 - 150			
Endosulfan II	0.0490	0.0050	0.050		98.0	50 - 150			
4,4-DDT	0.0480	0.0010	0.050		96.0	50 - 150			
Endrin Aldehyde	0.0550	0.0050	0.050		110	50 - 150			
4,4-Methoxychlor	0.0610	0.0050	0.050		122	50 - 150			
Endosulfan Sulfate	0.0480	0.0050	0.050		96.0	50 - 150			
Endrin Ketone	0.0430	0.0050	0.050		86.0	50 - 150			
Alachlor	0.118	0.20	0.100		118	50 - 150			
Surrogate: TCMX [1C]					*74.0*	*30 - 150*			
Surrogate: TCMX [2C]					*67.0*	*30 - 150*			
Surrogate: DCB [1C]					*91.0*	*30 - 150*			
Surrogate: DCB [2C]					*85.0*	*30 - 150*			

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (BK52601-BS1) - Continued					Prepared: 11/26/2025 Analyzed: 11/26/2025				
LCS Dup (BK52601-BSD1)					Prepared: 11/26/2025 Analyzed: 11/26/2025				
Hexachlorobenzene	0.0450	0.0050	0.050		90.0	40 - 140	9.30	20	
Alpha-BHC	0.0460	0.0050	0.050		92.0	50 - 150	6.74	20	
Gamma-BHC	0.0490	0.0050	0.050		98.0	50 - 150	8.51	20	
Heptachlor	0.0460	0.0050	0.050		92.0	50 - 150	9.09	20	
Aldrin	0.0430	0.0050	0.050		86.0	50 - 150	9.76	20	
Beta-BHC	0.0580	0.0050	0.050		116	50 - 150	1.71	20	
Delta-BHC	0.0560	0.0050	0.050		112	50 - 150	9.35	20	
Heptachlor Epoxide	0.0500	0.0050	0.050		100	50 - 150	12.8	20	
Endosulfan I	0.0550	0.0050	0.050		110	50 - 150	11.5	20	
4,4-DDE	0.0540	0.0010	0.050		108	50 - 150	7.69	20	
Dieldrin	0.0530	0.0020	0.050		106	50 - 150	9.90	20	
Endrin	0.0590	0.022	0.050		118	50 - 150	5.22	20	
4,4-DDD	0.0540	0.0010	0.050		108	50 - 150	11.8	20	
Endosulfan II	0.0580	0.0050	0.050		116	50 - 150	16.8	20	
4,4-DDT	0.0520	0.0010	0.050		104	50 - 150	8.00	20	
Endrin Aldehyde	0.0570	0.0050	0.050		114	50 - 150	3.57	20	
4,4-Methoxychlor	0.0630	0.0050	0.050		126	50 - 150	3.23	20	
Endosulfan Sulfate	0.0500	0.0050	0.050		100	50 - 150	4.08	20	
Endrin Ketone	0.0460	0.0050	0.050		92.0	50 - 150	6.74	20	
Alachlor	0.121	0.20	0.100		121	50 - 150	2.51	20	
Surrogate: TCMX [1C]					*70.0*	*30 - 150*			
Surrogate: TCMX [2C]					*62.0*	*30 - 150*			
Surrogate: DCB [1C]					*96.0*	*30 - 150*			
Surrogate: DCB [2C]					*89.0*	*30 - 150*			

Batch BK52602 - EPA 8270E

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52602-BLK1)					Prepared: 11/26/2025 Analyzed: 12/2/2025				
Naphthalene	ND	1.0							
2-Methyl Naphthalene	ND	1.0							
Acenaphthylene	ND	0.30							
Acenaphthene	ND	1.0							
Fluorene	ND	1.0							
Phenanthrene	ND	0.077							
Anthracene	ND	1.0							
Fluoranthene	ND	1.0							
Pyrene	ND	1.0							
Benzo[a]anthracene	ND	0.060							
Chrysene	ND	1.0							
Benzo[b]fluoranthene	ND	0.080							
Benzo[k]fluoranthene	ND	0.30							
Benzo[a]pyrene	ND	0.20							
Indeno[1,2,3-cd]pyrene	ND	0.10							
Dibenz[a,h]anthracene	ND	0.10							
Benzo[g,h,i]perylene	ND	0.40							
Surrogate: Nitrobenzene-d5					*66.8*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*80.8*	*30 - 130*			
Surrogate: Terphenyl-d14					*87.6*	*30 - 130*			
LCS (BK52602-BS1)					Prepared: 11/26/2025 Analyzed: 12/2/2025				
Naphthalene	1.37	1.0	2.000		68.5	40 - 140			
2-Methyl Naphthalene	1.53	1.0	2.000		76.5	40 - 140			
Acenaphthylene	1.50	0.30	2.000		75.0	40 - 140			
Acenaphthene	1.61	1.0	2.000		80.5	40 - 140			
Fluorene	1.62	1.0	2.000		81.0	40 - 140			
Phenanthrene	1.57	0.077	2.000		78.5	40 - 140			
Anthracene	1.63	1.0	2.000		81.5	40 - 140			
Fluoranthene	1.69	1.0	2.000		84.5	40 - 140			
Pyrene	1.68	1.0	2.000		84.0	40 - 140			
Benzo[a]anthracene	1.82	0.060	2.000		91.0	40 - 140			
Chrysene	1.83	1.0	2.000		91.5	40 - 140			
Benzo[b]fluoranthene	1.85	0.080	2.000		92.5	40 - 140			
Benzo[k]fluoranthene	1.78	0.30	2.000		89.0	40 - 140			
Benzo[a]pyrene	1.78	0.20	2.000		89.0	40 - 140			
Indeno[1,2,3-cd]pyrene	1.57	0.10	2.000		78.5	40 - 140			
Dibenz[a,h]anthracene	1.56	0.10	2.000		78.0	40 - 140			
Benzo[g,h,i]perylene	1.63	0.40	2.000		81.5	40 - 140			
Surrogate: Nitrobenzene-d5					*76.2*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*86.4*	*30 - 130*			
Surrogate: Terphenyl-d14					*92.8*	*30 - 130*			
LCS Dup (BK52602-BSD1)					Prepared: 11/26/2025 Analyzed: 12/2/2025				
Naphthalene	1.25	1.0	2.000		62.5	40 - 140	9.16	20	
2-Methyl Naphthalene	1.33	1.0	2.000		66.5	40 - 140	14.0	20	
Acenaphthylene	1.24	0.30	2.000		62.0	40 - 140	19.0	20	
Acenaphthene	1.32	1.0	2.000		66.0	40 - 140	19.8	20	
Fluorene	1.36	1.0	2.000		68.0	40 - 140	17.4	20	
Phenanthrene	1.43	0.077	2.000		71.5	40 - 140	9.33	20	
Anthracene	1.47	1.0	2.000		73.5	40 - 140	10.3	20	
Fluoranthene	1.70	1.0	2.000		85.0	40 - 140	0.590	20	

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS Dup (BK52602-BSD1) - Continued					Prepared: 11/26/2025 Analyzed: 12/2/2025				
Pyrene	1.67	1.0	2.000		83.5	40 - 140	0.597	20	
Benzo[a]anthracene	1.85	0.060	2.000		92.5	40 - 140	1.63	20	
Chrysene	1.89	1.0	2.000		94.5	40 - 140	3.23	20	
Benzo[b]fluoranthene	1.87	0.080	2.000		93.5	40 - 140	1.08	20	
Benzo[k]fluoranthene	1.95	0.30	2.000		97.5	40 - 140	9.12	20	
Benzo[a]pyrene	1.82	0.20	2.000		91.0	40 - 140	2.22	20	
Indeno[1,2,3-cd]pyrene	1.59	0.10	2.000		79.5	40 - 140	1.27	20	
Dibenz[a,h]anthracene	1.52	0.10	2.000		76.0	40 - 140	2.60	20	
Benzo[g,h,i]perylene	1.58	0.40	2.000		79.0	40 - 140	3.12	20	
Surrogate: Nitrobenzene-d5					*57.8*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*67.8*	*30 - 130*			
Surrogate: Terphenyl-d14					*96.4*	*30 - 130*			

Batch BK52604 - EPA 8270E

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52604-BLK1)					Prepared: 11/26/2025 Analyzed: 11/26/2025				
Naphthalene	ND	100							
2-Methyl Naphthalene	ND	200							
Acenaphthylene	ND	100							
Acenaphthene	ND	100							
Fluorene	ND	100							
Phenanthrene	ND	100							
Anthracene	ND	100							
Fluoranthene	ND	100							
Pyrene	ND	100							
Benzo[a]anthracene	ND	100							
Chrysene	ND	100							
Benzo[b]fluoranthene	ND	100							
Benzo[k]fluoranthene	ND	100							
Benzo[a]pyrene	ND	100							
Indeno[1,2,3-cd]pyrene	ND	100							
Dibenz[a,h]anthracene	ND	100							
Benzo[g,h,i]perylene	ND	100							
Surrogate: Nitrobenzene-d5					*83.5*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*89.1*	*30 - 130*			
Surrogate: Terphenyl-d14					*94.4*	*30 - 130*			
LCS (BK52604-BS1)					Prepared: 11/26/2025 Analyzed: 11/27/2025				
Naphthalene	3060	100	4,000.000		76.6	40 - 140			
2-Methyl Naphthalene	3260	200	4,000.000		81.6	40 - 140			
Acenaphthylene	3580	100	4,000.000		89.5	40 - 140			
Acenaphthene	3550	100	4,000.000		88.7	40 - 140			
Fluorene	3780	100	4,000.000		94.6	40 - 140			
Phenanthrene	3760	100	4,000.000		94.0	40 - 140			
Anthracene	3910	100	4,000.000		97.8	40 - 140			
Fluoranthene	4270	100	4,000.000		107	40 - 140			
Pyrene	4160	100	4,000.000		104	40 - 140			
Benzo[a]anthracene	4020	100	4,000.000		100	40 - 140			
Chrysene	4050	100	4,000.000		101	40 - 140			
Benzo[b]fluoranthene	3790	100	4,000.000		94.7	40 - 140			
Benzo[k]fluoranthene	4020	100	4,000.000		101	40 - 140			
Benzo[a]pyrene	3980	100	4,000.000		99.6	40 - 140			
Indeno[1,2,3-cd]pyrene	3710	100	4,000.000		92.9	40 - 140			
Dibenz[a,h]anthracene	3710	100	4,000.000		92.8	40 - 140			
Benzo[g,h,i]perylene	3740	100	4,000.000		93.5	40 - 140			
Surrogate: Nitrobenzene-d5					*74.5*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*80.9*	*30 - 130*			
Surrogate: Terphenyl-d14					*97.3*	*30 - 130*			
LCS Dup (BK52604-BSD1)					Prepared: 11/26/2025 Analyzed: 11/26/2025				
Naphthalene	3500	100	4,000.000		87.5	40 - 140	13.3	30	
2-Methyl Naphthalene	3710	200	4,000.000		92.8	40 - 140	12.8	30	
Acenaphthylene	3790	100	4,000.000		94.8	40 - 140	5.84	30	
Acenaphthene	3840	100	4,000.000		95.9	40 - 140	7.77	30	
Fluorene	4050	100	4,000.000		101	40 - 140	6.90	30	
Phenanthrene	3930	100	4,000.000		98.2	40 - 140	4.36	30	
Anthracene	4170	100	4,000.000		104	40 - 140	6.48	30	
Fluoranthene	4450	100	4,000.000		111	40 - 140	4.11	30	

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS Dup (BK52604-BSD1) - Continued					Prepared: 11/26/2025 Analyzed: 11/26/2025				
Pyrene	4390	100	4,000.000		110	40 - 140	5.45	30	
Benzo[a]anthracene	4260	100	4,000.000		106	40 - 140	5.72	30	
Chrysene	4290	100	4,000.000		107	40 - 140	5.54	30	
Benzo[b]fluoranthene	4010	100	4,000.000		100	40 - 140	5.74	30	
Benzo[k]fluoranthene	4210	100	4,000.000		105	40 - 140	4.49	30	
Benzo[a]pyrene	4350	100	4,000.000		109	40 - 140	8.88	30	
Indeno[1,2,3-cd]pyrene	4480	100	4,000.000		112	40 - 140	18.7	30	
Dibenz[a,h]anthracene	4510	100	4,000.000		113	40 - 140	19.4	30	
Benzo[g,h,i]perylene	4500	100	4,000.000		112	40 - 140	18.4	30	
Surrogate: Nitrobenzene-d5					*91.9*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*90.7*	*30 - 130*			
Surrogate: Terphenyl-d14					*100*	*30 - 130*			

Batch BL50110 - EPA 8081B

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BL50110-BLK1)					Prepared: 12/1/2025 Analyzed: 12/1/2025				
Hexachlorobenzene	ND	0.50							
Alpha-BHC	ND	1.0							
Gamma-BHC	ND	0.50							
Heptachlor	ND	2.5							
Aldrin	ND	1.0							
Beta-BHC	ND	1.0							
Delta-BHC	ND	1.0							
Heptachlor Epoxide	ND	2.5							
Endosulfan I	ND	2.5							
4,4-DDE	ND	0.50							
Dieldrin	ND	0.50							
Endrin	ND	2.5							
4,4-DDD	ND	0.50							
Endosulfan II	ND	2.5							
4,4-DDT	ND	0.50							
Endrin Aldehyde	ND	2.5							
4,4-Methoxychlor	ND	2.5							
Endosulfan Sulfate	ND	2.5							
Endrin Ketone	ND	2.5							
Chlordane	ND	15							
Toxaphene	ND	50							
Alachlor	ND	25							
Surrogate: TCMX [1C]					*94.6*	*30 - 150*			
Surrogate: DCB [1C]					*110*	*30 - 150*			
Surrogate: TCMX [2C]					*86.4*	*30 - 150*			
Surrogate: DCB [2C]					*99.9*	*30 - 150*			
LCS (BL50110-BS1)					Prepared: 12/1/2025 Analyzed: 12/1/2025				
Hexachlorobenzene	24.1	0.50	25.000		96.4	40 - 140			
Alpha-BHC	22.0	1.0	25.000		87.9	40 - 140			
Gamma-BHC	22.4	0.50	25.000		89.7	40 - 140			
Heptachlor	23.1	2.5	25.000		92.4	40 - 140			
Aldrin	23.4	1.0	25.000		93.4	40 - 140			
Beta-BHC	23.4	1.0	25.000		93.5	40 - 140			
Delta-BHC	23.2	1.0	25.000		92.7	40 - 140			
Heptachlor Epoxide	24.2	2.5	25.000		97.0	40 - 140			
Endosulfan I	28.6	2.5	25.000		114	40 - 140			
4,4-DDE	26.4	0.50	25.000		106	40 - 140			
Dieldrin	27.0	0.50	25.000		108	40 - 140			
Endrin	30.9	2.5	25.000		123	40 - 140			
4,4-DDD	29.2	0.50	25.000		117	40 - 140			
Endosulfan II	30.2	2.5	25.000		121	40 - 140			
4,4-DDT	24.0	0.50	25.000		95.9	40 - 140			
Endrin Aldehyde	29.1	2.5	25.000		116	40 - 140			
4,4-Methoxychlor	26.4	2.5	25.000		106	40 - 140			
Endosulfan Sulfate	24.3	2.5	25.000		97.2	40 - 140			
Endrin Ketone	24.2	2.5	25.000		96.6	40 - 140			
Alachlor	52.8	25	50.000		106	40 - 140			
Surrogate: TCMX [1C]					*87.5*	*30 - 150*			
Surrogate: DCB [1C]					*102*	*30 - 150*			
Surrogate: TCMX [2C]					*76.3*	*30 - 150*			
Surrogate: DCB [2C]					*90.2*	*30 - 150*			

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (BL50110-BS1) - Continued					Prepared: 12/1/2025 Analyzed: 12/1/2025				
LCS Dup (BL50110-BSD1)					Prepared: 12/1/2025 Analyzed: 12/1/2025				
Hexachlorobenzene	25.0	0.50	25.000		100	40 - 140	3.68	20	
Alpha-BHC	22.7	1.0	25.000		90.9	40 - 140	3.39	20	
Gamma-BHC	23.2	0.50	25.000		92.7	40 - 140	3.28	20	
Heptachlor	24.1	2.5	25.000		96.2	40 - 140	4.11	20	
Aldrin	24.1	1.0	25.000		96.4	40 - 140	3.12	20	
Beta-BHC	27.5	1.0	25.000		110	40 - 140	16.3	20	
Delta-BHC	23.6	1.0	25.000		94.3	40 - 140	1.72	20	
Heptachlor Epoxide	24.7	2.5	25.000		98.7	40 - 140	1.76	20	
Endosulfan I	28.7	2.5	25.000		115	40 - 140	0.256	20	
4,4-DDE	26.9	0.50	25.000		108	40 - 140	1.82	20	
Dieldrin	26.5	0.50	25.000		106	40 - 140	1.93	20	
Endrin	31.4	2.5	25.000		126	40 - 140	1.74	20	
4,4-DDD	28.8	0.50	25.000		115	40 - 140	1.17	20	
Endosulfan II	30.6	2.5	25.000		122	40 - 140	1.29	20	
4,4-DDT	24.9	0.50	25.000		99.7	40 - 140	3.86	20	
Endrin Aldehyde	25.9	2.5	25.000		104	40 - 140	11.6	20	
4,4-Methoxychlor	28.4	2.5	25.000		113	40 - 140	7.18	20	
Endosulfan Sulfate	24.8	2.5	25.000		99.2	40 - 140	2.06	20	
Endrin Ketone	23.9	2.5	25.000		95.5	40 - 140	1.20	20	
Alachlor	57.8	25	50.000		116	40 - 140	8.91	20	
Surrogate: TCMX [1C]					*90.5*	*30 - 150*			
Surrogate: DCB [1C]					*99.7*	*30 - 150*			
Surrogate: TCMX [2C]					*78.2*	*30 - 150*			
Surrogate: DCB [2C]					*89.6*	*30 - 150*			

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Jeffrey Smith at 203-377-9984.

Sincerely,



David Ditta
Laboratory Director

This technical report was reviewed by Timothy Fusco



Project Manager

This report shall not be reproduced except in full, without the written approval of the laboratory

Report Comments:

Sample Result Flags:
E- The result is estimated, above the calibration range.
H- The surrogate recovery is above the control limits.
L- The surrogate recovery is below the control limits.
B- The compound was detected in the laboratory blank.
P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
+- The Surrogate was diluted out.
*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit
Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.
All analyses were performed in house unless a Reference Laboratory is listed.
Samples will be disposed of 30 days after the report date.

CET # : 25K0631
Project: Sycamore, Trumbull

80 Lupes Drive
Stratford, CT 06615

COMPLETE ENVIRONMENTAL TESTING, INC.

Tel: (203) 377-9984
Fax: (203) 377-9952
email: cet1@cetlabs.com

Quality Control Definitions and Abbreviations

Internal Standard (IS)	An Analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Recovery	The % recovery for non-target organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration	An analytical standard analyzed with each set of samples to verify initial calibration of the system.
Batch	Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period.
ND	Not detected at or above the specified reporting limit.
RL	RL is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.
Dilution	Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate	Result from the duplicate analysis of a sample.
Result	Amount of analyte found in a sample.
Spike Level	Amount of analyte added to a sample
Matrix Spike Result	Amount of analyte found including amount that was spiked.
Matrix Spike Dup	Amount of analyte found in duplicate spikes including amount that was spike.
Matrix Spike % Recovery	% Recovery of spiked amount in sample.
Matrix Spike Dup % Recovery	% Recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between Matrix Spike and Matrix Spike Duplicate.
Blank	Method Blank that has been taken through all steps of the analysis.
LCS % Recovery	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Recovery Limits	A range within which specified measurements results must fall to be compliant.
CC	Calibration Verification

Flags:

- H- Recovery is above the control limits
- L- Recovery is below the control limits
- B- Compound detected in the Blank
- P- RPD of dual column results exceeds 40%
- #- Sample result too high for accurate spike recovery.

NELAP ACCREDITED TNI LABORATORY

Connecticut Laboratory Certification PH0116
Massachussets Laboratory Certification M-CT903
Pennsylvania NELAP Accreditation 68-02927

New York NELAP Accreditation 11982
Rhode Island Certification 199

Bureau of Water Protection and Land Reuse
Remediation Division

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Complete Environmental Testing, Inc. ***Client:*** WSP USA, Inc.

Project Location: Sycamore, Trumbull ***Project Number:***

Sample Date(s): ***Laboratory Sample ID(s):***

11/18/2025 25K0631-01 thru 25K0631-20

List RCP Methods Used:

CT-ETPH, EPA 1312, EPA 6010D, EPA 6020B, EPA 7471B, EPA 8081B, EPA 8082A, EPA 8260D, EPA 8270E

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method-specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods Only: Was the VPH or EPH method conducted without significant modifications (See respective RCPs)	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (<6° C)? If samples were received by the laboratory on the same day of collection and were stored and transported to the laboratory on ice, cooler temperatures above 6°C are acceptable.	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CT DEEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5	Were reporting limits / limits of quantitation specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5a	Were these reporting limits / limits of quantitation met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set for applicable RCPs?	☑ Yes ☐ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence." This form may not be altered, and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:  **Position:** Laboratory Director

Printed Name: David Ditta **Date:** 12/02/2025

Name of Laboratory: Complete Environmental Testing, Inc.

This certification form is to be used for RCP methods only.

4- See Exceptions Report Below

6- Client requested a subset of the RCP 8270 and Metals lists.

4- Exceptions Report

Analyte	QC Type	Exception	Result	RPD	Recovery (%)	Batch/Sequence Sample ID
Ethyl Ether	LCS	Low	34.1		68.1	BK52436
1,2-Dichloroethane	LCS DUP	>RPD	41.2	23.7		BK52436-BSD1
Benzene	LCS DUP	>RPD	49.5	32.6		BK52436-BSD1
Ethyl Ether	LCS DUP	>RPD	48.0	34.1		BK52436-BSD1
Ethyl Ether	LCS	Low	34.1		68.1	BK52437
1,2-Dichloroethane	LCS DUP	>RPD	41.2	23.7		BK52437-BSD1
Benzene	LCS DUP	>RPD	49.5	32.6		BK52437-BSD1
Ethyl Ether	LCS DUP	>RPD	48.0	34.1		BK52437-BSD1
tert-Amyl methyl ether (TAME)	LCS	High	70.9		142	BK52438
Dichlorodifluoromethane	LCS DUP	>RPD	52.3	21.9		BK52438-BSD1
tert-Amyl methyl ether (TAME)	LCS DUP	High	66.9		134	BK52438-BSD1
2,4-Dinitrophenol	CC	Low	28700		57.3	S5K2511
2,4-Dinitrotoluene	CC	High	65600		131	S5K2511
2,6-Dinitrotoluene	CC	High	65000		130	S5K2511
2-Nitrophenol	CC	High	63500		127	S5K2511
3-Nitroaniline	CC	High	62000		124	S5K2511
Diethylphthalate	CC	Low	28600		57.3	S5K2511
Benzyl Alcohol	ICV	Analyte exceeds method limit of second source standard. Non-directional bias				
trans-1,4-Dichloro-2-Butene	CC	High	61.4		123	S5K2515
trans-1,4-Dichloro-2-Butene	CC	High	61.4		123	S5K2517
1,2-Dibromo-3-Chloropropane	CC	Low	39.8		79.5	S5K2518
Acetone	CC	High	128		128	S5K2518
Bromobenzene	CC	Low	38.8		77.6	S5K2518
Bromomethane	CC	High	63.7		127	S5K2518
trans-1,4-Dichloro-2-Butene	CC	Low	39.4		78.8	S5K2518
Trichlorotrifluoroethane	CC	High	60.3		121	S5K2518
Bromomethane	ICV	Analyte exceeds method limit of second source standard. Non-directional bias				
Dichlorodifluoromethane	ICV	Analyte exceeds method limit of second source standard. Non-directional bias				
Chloroethane	CC	Low	36.2		72.4	S5L0115
Chloromethane	CC	Low	35.3		70.6	S5L0115
Dichlorodifluoromethane	CC	Low	27.0		54.0	S5L0115
trans-1,4-Dichloro-2-Butene	CC	High	62.4		125	S5L0115
Trichlorofluoromethane	CC	Low	35.8		71.5	S5L0115
Vinyl Chloride	CC	Low	36.2		72.4	S5L0115

Batch	Sequence	CET ID	Sample ID	Specific Method	Matrix	Collection Date
BK52148	S5K2427	25K0631-01	TP-1 (1ft)	CT-ETPH	Soil	11/18/2025
BK52148	S5K2427	25K0631-02	TP-2 (4ft)	CT-ETPH	Soil	11/18/2025
BK52148	S5K2427	25K0631-03	TP-3 (2ft)	CT-ETPH	Soil	11/18/2025
BK52148	S5K2427	25K0631-04	TP-3 (5.5ft)	CT-ETPH	Soil	11/18/2025
BK52148	S5K2427	25K0631-08	TP-7 (3.5ft)	CT-ETPH	Soil	11/18/2025
BK52148	S5K2427	25K0631-09	TP-8 (3.5ft)	CT-ETPH	Soil	11/18/2025
BK52148	S5K2427	25K0631-10	TP-8 (6.5ft)	CT-ETPH	Soil	11/18/2025
BK52148	S5K2427	25K0631-12	TP-9 (4ft)	CT-ETPH	Soil	11/18/2025
BK52148	S5K2427	25K0631-17	TP-13 (1.5ft)	CT-ETPH	Soil	11/18/2025
BK52148	S5K2427	25K0631-18	TP-13 (5ft)	CT-ETPH	Soil	11/18/2025
BK52148	S5K2427	25K0631-19	TP-13 (Ex)	CT-ETPH	Soil	11/18/2025
BK52531		25K0631-05	TP-4 (5ft)	EPA 1312	Soil	11/18/2025
BK52531		25K0631-07	TP-6 (4.5ft)	EPA 1312	Soil	11/18/2025
BK52531		25K0631-08	TP-7 (3.5ft)	EPA 1312	Soil	11/18/2025
BK52531		25K0631-14	TP-11 (1.5ft)	EPA 1312	Soil	11/18/2025
BK52531		25K0631-18	TP-13 (5ft)	EPA 1312	Soil	11/18/2025
BK52417	S5K2422	25K0631-01	TP-1 (1ft)	EPA 6010D	Soil	11/18/2025
BK52417	S5K2422	25K0631-02	TP-2 (4ft)	EPA 6010D	Soil	11/18/2025
BK52417	S5K2422	25K0631-03	TP-3 (2ft)	EPA 6010D	Soil	11/18/2025
BK52537	S5K2535	25K0631-05	TP-4 (5ft)	EPA 6020B	Soil	11/18/2025
BK52537	S5K2535	25K0631-07	TP-6 (4.5ft)	EPA 6020B	Soil	11/18/2025
BK52537	S5K2535	25K0631-08	TP-7 (3.5ft)	EPA 6020B	Soil	11/18/2025
BK52537	S5K2535	25K0631-14	TP-11 (1.5ft)	EPA 6020B	Soil	11/18/2025
BK52537	S5K2535	25K0631-18	TP-13 (5ft)	EPA 6020B	Soil	11/18/2025
BK52513		25K0631-01	TP-1 (1ft)	EPA 7471B	Soil	11/18/2025
BK52513		25K0631-02	TP-2 (4ft)	EPA 7471B	Soil	11/18/2025
BK52513		25K0631-03	TP-3 (2ft)	EPA 7471B	Soil	11/18/2025
BK52601	S5L0113	25K0631-05	TP-4 (5ft)	EPA 8081B	Soil	11/18/2025
BK52601	S5L0113	25K0631-08	TP-7 (3.5ft)	EPA 8081B	Soil	11/18/2025
BK52601	S5L0128	25K0631-14	TP-11 (1.5ft)	EPA 8081B	Soil	11/18/2025
BK52601	S5L0113	25K0631-18	TP-13 (5ft)	EPA 8081B	Soil	11/18/2025
BL50110	S5L0128	25K0631-01	TP-1 (1ft)	EPA 8081B	Soil	11/18/2025
BL50110	S5L0128	25K0631-02	TP-2 (4ft)	EPA 8081B	Soil	11/18/2025
BL50110	S5L0128	25K0631-03	TP-3 (2ft)	EPA 8081B	Soil	11/18/2025
BL50110	S5L0128	25K0631-07	TP-6 (4.5ft)	EPA 8081B	Soil	11/18/2025
BK52307	S5K2526	25K0631-02	TP-2 (4ft)	EPA 8082A	Soil	11/18/2025
BK52307	S5K2526	25K0631-07	TP-6 (4.5ft)	EPA 8082A	Soil	11/18/2025
BK52307	S5K2526	25K0631-19	TP-13 (Ex)	EPA 8082A	Soil	11/18/2025
BK52436	S5K2515	25K0631-08	TP-7 (3.5ft)	EPA 8260D	Soil	11/18/2025
BK52436	S5K2515	25K0631-19	TP-13 (Ex)	EPA 8260D	Soil	11/18/2025
BK52436	S5K2515	25K0631-20	TP-6 (2ft)	EPA 8260D	Soil	11/18/2025
BK52437	S5K2517	25K0631-17	TP-13 (1.5ft)	EPA 8260D	Soil	11/18/2025
BK52437	S5K2517	25K0631-18	TP-13 (5ft)	EPA 8260D	Soil	11/18/2025
BK52438	S5K2518	25K0631-02	TP-2 (4ft)	EPA 8260D	Soil	11/18/2025
BK52438	S5K2518	25K0631-03	TP-3 (2ft)	EPA 8260D	Soil	11/18/2025
BK52404	S5K2511	25K0631-07	TP-6 (4.5ft)	EPA 8270E	Soil	11/18/2025
BK52404	S5K2511	25K0631-15	TP-11 (6ft)	EPA 8270E	Soil	11/18/2025
BK52416	S5K2528	25K0631-01	TP-1 (1ft)	EPA 8270E	Soil	11/18/2025

BK52416	S5K2528	25K0631-02	TP-2 (4ft)	EPA 8270E	Soil	11/18/2025
BK52416	S5K2528	25K0631-03	TP-3 (2ft)	EPA 8270E	Soil	11/18/2025
BK52416	S5K2528	25K0631-04	TP-3 (5.5ft)	EPA 8270E	Soil	11/18/2025
BK52602	S5L0242	25K0631-05	TP-4 (5ft)	EPA 8270E	Soil	11/18/2025
BK52602	S5L0242	25K0631-07	TP-6 (4.5ft)	EPA 8270E	Soil	11/18/2025
BK52602	S5L0242	25K0631-08	TP-7 (3.5ft)	EPA 8270E	Soil	11/18/2025
BK52602	S5L0242	25K0631-14	TP-11 (1.5ft)	EPA 8270E	Soil	11/18/2025
BK52602	S5L0242	25K0631-18	TP-13 (5ft)	EPA 8270E	Soil	11/18/2025
BK52604	S5L0224	25K0631-06	TP-5 (3.5ft)	EPA 8270E	Soil	11/18/2025
BK52604	S5L0224	25K0631-08	TP-7 (3.5ft)	EPA 8270E	Soil	11/18/2025
BK52604	S5L0224	25K0631-09	TP-8 (3.5ft)	EPA 8270E	Soil	11/18/2025
BK52604	S5L0224	25K0631-10	TP-8 (6.5ft)	EPA 8270E	Soil	11/18/2025
BK52604	S5L0224	25K0631-11	TP-9 (1.5ft)	EPA 8270E	Soil	11/18/2025
BK52604	S5L0224	25K0631-12	TP-9 (4ft)	EPA 8270E	Soil	11/18/2025
BK52604	S5L0224	25K0631-13	TP-10 (3ft)	EPA 8270E	Soil	11/18/2025
BK52604	S5L0224	25K0631-16	TP-12 (2ft)	EPA 8270E	Soil	11/18/2025
BK52604	S5L0224	25K0631-17	TP-13 (1.5ft)	EPA 8270E	Soil	11/18/2025
BK52604	S5L0224	25K0631-19	TP-13 (Ex)	EPA 8270E	Soil	11/18/2025

Certified Analyses included in this Report

Analyte	Certifications
CT-ETPH in Soil	
ETPH	CT
EPA 6010D in Soil	
Lead	CT,NY,PA
Cadmium	CT,NY,PA
Arsenic	CT,NY,PA
Copper	CT,NY,PA
EPA 6020B in Water	
Lead	CT
Cadmium	CT
Arsenic	CT
Copper	CT
Mercury	CT
EPA 7471B in Soil	
Mercury	CT,NY,PA
EPA 8081B in Soil	
Alpha-BHC	CT,NY,PA
Gamma-BHC	CT,NY,PA
Heptachlor	CT,NY,PA
Aldrin	CT,NY,PA
Beta-BHC	CT,NY,PA
Delta-BHC	CT,NY,PA
Heptachlor Epoxide	CT,NY,PA
Endosulfan I	CT,NY,PA
4,4-DDE	CT,NY,PA
Dieldrin	CT,NY,PA
Endrin	CT,NY,PA
4,4-DDD	CT,NY,PA
Endosulfan II	CT,NY,PA
4,4-DDT	CT,NY,PA
Endrin Aldehyde	CT,NY,PA
4,4-Methoxychlor	CT,NY,PA
Endosulfan Sulfate	CT,NY,PA
Endrin Ketone	CT,NY,PA
Chlordane	CT,NY,PA
Toxaphene	CT,NY,PA
EPA 8081B in Water	
Alpha-BHC	CT
Gamma-BHC	CT
Heptachlor	CT
Aldrin	CT
Beta-BHC	CT
Delta-BHC	CT
Heptachlor Epoxide	CT
Endosulfan I	CT
4,4-DDE	CT
Dieldrin	CT
Endrin	CT

Certified Analyses included in this Report

Analyte	Certifications
EPA 8081B in Water	
4,4-DDD	CT
Endosulfan II	CT
4,4-DDT	CT
Endrin Aldehyde	CT
4,4-Methoxychlor	CT
Endosulfan Sulfate	CT
Endrin Ketone	CT
Chlordane	CT
Toxaphene	CT
Alachlor	CT
EPA 8082A in Soil	
PCB-1016	CT,NY,PA
PCB-1221	CT,NY,PA
PCB-1232	CT,NY,PA
PCB-1242	CT,NY,PA
PCB-1248	CT,NY,PA
PCB-1254	CT,NY,PA
PCB-1260	CT,NY,PA
PCB-1268	NY,PA
PCB-1262	NY,PA
EPA 8260D in Soil	
Dichlorodifluoromethane	NY,PA
Chloromethane	CT,NY,PA
Vinyl Chloride	CT,NY,PA
Bromomethane	CT,NY,PA
Chloroethane	CT,NY,PA
Trichlorofluoromethane	CT,NY,PA
Acetone	CT,NY,PA
Acrylonitrile	CT
Trichlorotrifluoroethane	CT,NY,PA
1,1-Dichloroethene	CT,NY,PA
Methylene Chloride	CT,NY,PA
Carbon Disulfide	CT,NY,PA
Methyl-t-Butyl Ether (MTBE)	CT,NY,PA
trans-1,2-Dichloroethene	CT,NY,PA
1,1-Dichloroethane	CT,NY,PA
2-Butanone (MEK)	CT,NY,PA
2,2-Dichloropropane	NY,PA
cis-1,2-Dichloroethene	CT,NY,PA
Bromochloromethane	NY,PA
Chloroform	CT,NY,PA
1,1,1-Trichloroethane	CT,NY,PA
Carbon Tetrachloride	CT,NY,PA
1,1-Dichloropropene	NY,PA
Benzene	CT,NY,PA
1,2-Dichloroethane	CT,NY,PA
Trichloroethene	CT,NY,PA
1,2-Dichloropropane	CT,NY,PA

Certified Analyses included in this Report

Analyte	Certifications
EPA 8260D in Soil	
Dibromomethane	NY,PA
Bromodichloromethane	CT,NY,PA
Methyl Isobutyl Ketone	CT,NY,PA
cis-1,3-Dichloropropene	CT,NY,PA
Toluene	CT,NY,PA
trans-1,3-Dichloropropene	CT,NY,PA
2-Hexanone	CT,NY,PA
1,1,2-Trichloroethane	CT,NY,PA
Tetrachloroethene	CT,NY,PA
1,3-Dichloropropane	NY,PA
Dibromochloromethane	CT,NY,PA
1,2-Dibromoethane	CT,NY,PA
trans-1,4-Dichloro-2-Butene	NY,PA
Chlorobenzene	CT,NY,PA
1,1,1,2-Tetrachloroethane	CT,NY,PA
Ethylbenzene	CT,NY,PA
m+p Xylenes	CT,NY,PA
o-Xylene	CT,NY,PA
Styrene	CT,NY,PA
Bromoform	CT,NY,PA
Isopropylbenzene	CT,NY,PA
1,1,2,2-Tetrachloroethane	CT,NY,PA
Bromobenzene	NY,PA
1,2,3-Trichloropropane	NY,PA
n-Propylbenzene	CT,NY,PA
2-Chlorotoluene	CT,NY,PA
4-Chlorotoluene	CT,NY,PA
1,3,5-Trimethylbenzene	CT,NY,PA
tert-Butylbenzene	CT,NY,PA
1,2,4-Trimethylbenzene	CT,NY,PA
sec-Butylbenzene	CT,NY,PA
1,3-Dichlorobenzene	CT,NY,PA
4-Isopropyltoluene	CT,NY,PA
1,4-Dichlorobenzene	CT,NY,PA
1,2-Dichlorobenzene	CT,NY,PA
n-Butylbenzene	CT,NY,PA
1,2-Dibromo-3-Chloropropane	CT,NY,PA
1,2,4-Trichlorobenzene	NY,PA
Hexachlorobutadiene	NY
Naphthalene	NY,PA
EPA 8260D in Water	
Dichlorodifluoromethane	NY
Chloromethane	CT,NY
Vinyl Chloride	CT,NY
Bromomethane	CT,NY
Chloroethane	CT,NY
Trichlorofluoromethane	CT,NY
Acetone	CT,NY
Acrylonitrile	CT

Certified Analyses included in this Report

Analyte	Certifications
EPA 8260D in Water	
Trichlorotrifluoroethane	CT,NY
1,1-Dichloroethene	CT,NY
Methylene Chloride	CT,NY
Carbon Disulfide	CT,NY
Methyl-t-Butyl Ether (MTBE)	CT,NY
trans-1,2-Dichloroethene	CT,NY
1,1-Dichloroethane	CT,NY
2-Butanone (MEK)	CT,NY
2,2-Dichloropropane	NY
cis-1,2-Dichloroethene	CT,NY
Bromochloromethane	NY
Chloroform	CT,NY
1,1,1-Trichloroethane	CT,NY
Carbon Tetrachloride	CT,NY
1,1-Dichloropropene	NY
Benzene	CT,NY
1,2-Dichloroethane	CT,NY
Trichloroethene	CT,NY
1,2-Dichloropropane	CT,NY
Dibromomethane	NY
Bromodichloromethane	CT,NY
Methyl Isobutyl Ketone	CT,NY
cis-1,3-Dichloropropene	CT,NY
Toluene	CT,NY
trans-1,3-Dichloropropene	CT,NY
2-Hexanone	CT,NY
1,1,2-Trichloroethane	CT,NY
Tetrachloroethene	CT,NY
1,3-Dichloropropane	NY
Dibromochloromethane	CT,NY
1,2-Dibromoethane	CT,NY
trans-1,4-Dichloro-2-Butene	NY
Chlorobenzene	CT,NY
1,1,1,2-Tetrachloroethane	CT,NY
Ethylbenzene	CT,NY
m+p Xylenes	CT,NY
o-Xylene	CT,NY
Styrene	CT,NY
Bromoform	CT,NY
Isopropylbenzene	CT,NY
1,1,2,2-Tetrachloroethane	CT,NY
Bromobenzene	NY
1,2,3-Trichloropropane	NY
n-Propylbenzene	CT,NY
2-Chlorotoluene	CT,NY
4-Chlorotoluene	CT,NY
1,3,5-Trimethylbenzene	CT,NY
tert-Butylbenzene	CT,NY
1,2,4-Trimethylbenzene	CT,NY

Certified Analyses included in this Report

Analyte	Certifications
EPA 8260D in Water	
sec-Butylbenzene	CT,NY
1,3-Dichlorobenzene	CT,NY
4-Isopropyltoluene	CT,NY
1,4-Dichlorobenzene	CT,NY
1,2-Dichlorobenzene	CT,NY
n-Butylbenzene	CT,NY
1,2-Dibromo-3-Chloropropane	CT,NY
1,2,4-Trichlorobenzene	NY
Hexachlorobutadiene	NY
Naphthalene	NY
1,2,3-Trichlorobenzene	NY
1,4-Dioxane	CT
EPA 8270E in Soil	
Phenol	CT,NY,PA
1,3-Dichlorobenzene	NY,PA
n-Nitroso-di-n-propylamine	CT,NY,PA
Pyridine	CT,NY,PA
n-Nitroso-dimethylamine	CT,NY,PA
bis(2-Chloroethyl)ether	CT,NY,PA
Aniline	NY,PA
2-Chlorophenol	CT,NY,PA
1,4-Dichlorobenzene	NY,PA
Benzyl Alcohol	NY,PA
1,2-Dichlorobenzene	NY,PA
bis(2-Chloroisopropyl)ether	CT,NY,PA
Hexachloroethane	CT,NY,PA
2-Methyl Phenol	CT,NY,PA
3+4 Methyl Phenol	NY,PA
Naphthalene	CT,NY,PA
Naphthalene	CT,NY,PA
2-Methyl Naphthalene	CT,NY,PA
2-Nitrophenol	CT,NY,PA
2,4-Dichlorophenol	CT,NY,PA
Acenaphthylene	CT,NY,PA
Acenaphthene	CT,NY,PA
Hexachlorobutadiene	CT,NY,PA
4-Chloro-3-methylphenol	CT,NY,PA
Fluorene	CT,NY,PA
Nitrobenzene	CT,NY,PA
Phenanthrene	CT,NY,PA
Anthracene	CT,NY,PA
Isophorone	CT,NY,PA
2,4-Dimethylphenol	CT,NY,PA
Fluoranthene	CT,NY,PA
bis(2-Chloroethoxy)methane	CT,NY,PA
Pyrene	CT,NY,PA
Benzo[a]anthracene	CT,NY,PA
Benzoic Acid	NY,PA
1,2,4-Trichlorobenzene	CT,NY,PA

Certified Analyses included in this Report

Analyte	Certifications
EPA 8270E in Soil	
Chrysene	CT,NY,PA
2,6-Dichlorophenol	CT,NY,PA
Benzo[b]fluoranthene	CT,NY,PA
4-Chloroaniline	CT,NY,PA
Benzo[k]fluoranthene	CT,NY,PA
Benzo[a]pyrene	CT,NY,PA
Indeno[1,2,3-cd]pyrene	CT,NY,PA
1,2,4,5-Tetrachlorobenzene	NY,PA
Dibenz[a,h]anthracene	CT,NY,PA
2-Methyl Naphthalene	CT,NY,PA
Benzo[g,h,i]perylene	CT,NY,PA
Acenaphthylene	CT,NY,PA
Acenaphthene	CT,NY,PA
Dibenzofuran	CT,NY,PA
Fluorene	CT,NY,PA
Hexachlorocyclopentadiene	CT,NY,PA
2,4,6-Trichlorophenol	CT,NY,PA
2,4,5-Trichlorophenol	CT,NY,PA
2,4-Dinitrophenol	CT,NY,PA
4-Nitrophenol	CT,NY,PA
2-Chloronaphthalene	NY,PA
2-Nitroaniline	CT,NY,PA
Dimethylphthalate	CT,NY,PA
2,6-Dinitrotoluene	CT,NY,PA
4-Nitroaniline	CT,NY,PA
2,4-Dinitrotoluene	CT,NY,PA
2,3,4,6-Tetrachlorophenol	NY,PA
4-Chlorophenyl-phenylether	CT,NY,PA
Diethylphthalate	CT,NY,PA
Phenanthrene	CT,NY,PA
Anthracene	CT,NY,PA
Carbazole	CT,NY,PA
Fluoranthene	CT,NY,PA
Pyrene	CT,NY,PA
n-Nitrosodiphenylamine	CT,NY,PA
Pentachlorophenol	CT,NY,PA
3-Nitroaniline	CT,NY,PA
4,6-Dinitro-2-methylphenol	CT,NY,PA
4-Bromophenyl-phenylether	CT,NY,PA
Hexachlorobenzene	CT,NY,PA
Di-n-butylphthalate	CT,NY,PA
Pentachloronitrobenzene	NY
Benzo[a]anthracene	CT,NY,PA
Chrysene	CT,NY,PA
Butylbenzylphthalate	CT,NY,PA
3,3-Dichlorobenzidine	CT,NY
bis(2-Ethylhexyl)phthalate	CT,NY,PA
Di-n-octylphthalate	CT,NY,PA
Benzo[b]fluoranthene	CT,NY,PA

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 8270E in Soil	
Benzo[k]fluoranthene	CT,NY,PA
Benzo[a]pyrene	CT,NY,PA
Indeno[1,2,3-cd]pyrene	CT,NY,PA
Dibenz[a,h]anthracene	CT,NY,PA
Benzo[g,h,i]perylene	CT,NY,PA
EPA 8270E in Water	
Naphthalene	CT
2-Methyl Naphthalene	CT
Acenaphthylene	CT
Acenaphthene	CT
Fluorene	CT
Phenanthrene	CT
Anthracene	CT
Fluoranthene	CT
Pyrene	CT
Benzo[a]anthracene	CT
Chrysene	CT
Benzo[b]fluoranthene	CT
Benzo[k]fluoranthene	CT
Benzo[a]pyrene	CT
Indeno[1,2,3-cd]pyrene	CT
Dibenz[a,h]anthracene	CT
Benzo[g,h,i]perylene	CT
SM 2540 G in Soil	
Percent Solids	CT

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2026
NY	New York Certification (NELAC)	11982	04/01/2026
PA	Pennsylvania DEP	68-02927	05/31/2026

25K0631

CHAIN OF CUSTODY

COMPLETE ENVIRONMENTAL TESTING, INC.

Volatile Soils Only:
Date and Time in Freezer
Client:
CET: 11/20/25 1500

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cetservices@cetlabs.com
e-mail: bottleorders@cetlabs.com

Matrix: A= Air, S= Soil, W=Water, DW= Drinking Water, C= Cassette Solid, Wipe, Other (Specify)

Turnaround Time** (check one): Same Day*, Next Day*, Two Day*, Three Day*, Standard***

Sample ID/Sample Depths (include Units for any sample depths provided)	Collection Date/Time	Matrix	8260 Volatile Organics	8260 Aromatics	8260 Halogens	1,4 Dioxane 8260	8270 Semi-Volatile Organics	8270 PNAs/PAH	PCBs	Pesticides	Herbicides	CT ETPH	MA EPH ☐ Targets	Metals: RCRA 8 Metals	Priority Poll. 13 Metals	CT DEEP 15 Metals	Total	Dissolved	Field Filter ☐ Lab Filter ☐	SPLP Metals	TCLP	Additional Analysis: SPLP Pesticides	SPLP PAHs	TOTAL # OF CONT.	NOTE #
TP-1 (1')	11/18/25 8:30	Soil						X		X		X					X								
TP-2 (4')	8:40		X					X	X	X		X					X								
TP-3 (2')	9:00							X		X		X					X								
TP-3 (5.5')	9:05		X					X				X													
TP-4 (5')	9:17																			X		X	X		
TP-5 (3.5')	9:32							X																	
TP-6 (4.5')	9:55		X				X		X	X										X			X		
TP-7 (3.5')	10:15		X					X				X								X		X	X		
TP-8 (3.5')	10:35							X				X													
TP-8 (6.5')	10:40							X				X													

PRESERVATIVE (Cl-HCl, N-HNO_3, S-H_2SO_4, Na-NaOH, C=Cool, O-Other)

CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other)

Soil VOCs Only (M=MeOH S=Stir Bar W=Water E=Encore)

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
	11/18/25 13:50	WSP Refrigerator
WSP Refrigerator	11/20/25 11:30	
	11/20/25 12:03	RLEE 11/20/25 1205

NOTES:
SOIL metals: As, Cd, Cu, Pb, Hg

VOAs in freezer

Client / Reporting Information

Company Name: WSP
Address: 6 Research Dr
City: Shelton State: CT Zip:
Report To: Darrick Jones E-mail: darrick.jones@wsp.com
Phone #:
Tax Status: ☐ Exempt

Project Information

Project: Sycamore PO #:
Location: Trumbull Project #:
CET Quote #: Collector(s): DFJ
QA/QC ☐ Std ☐ Site Specific (MS/MSD)* ☒ RCP Pkg ☐ DQAW
Data Report ☒ PDF ☐ EDD - Specify Format Other
Reporting Limits: GA GC/RSL Disposal Facility:
Laboratory Certification Needed (check one) ☒ CT ☐ NY ☐ RI ☐ MA ☐ PA
Temp Upon Receipt: 5 °C Evidence of Cooling: Y N

PAGE 1 OF 2

* Additional Charges apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on t business day. All samples picked up by courier service will be considered next business day receipt for TAT purposes. *** Standard TAT is 5-7 business days.

25K0631

CHAIN OF CUSTODY

COMPLETE ENVIRONMENTAL TESTING, INC.

Volatile Soils Only:
Date and Time in Freezer
Client:
CET: [redacted] 11/20/25 [redacted] 17:00

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cetservices@cetlabs.com
e-mail: bottleorders@cetlabs.com

Matrix: A= Air, S= Soil, W=Water, DW= Drinking Water, C= Cassette Solid, Wipe, Other (Specify)

Turnaround Time** (check one): Same Day*, Next Day*, Two Day*, Three Day*, Standard***

Sample ID/Sample Depths (include Units for any sample depths provided)	Collection Date/Time	Matrix	8260 Volatile Organics	8260 Aromatics	8260 Halogens	1,4 Dioxane 8260	8270 Semi-Volatile Organics	8270 PNAs/PAH	PCBs	Pesticides	Herbicides	CT ETPH	MA EPH ☐ Targets	Metals: RCRA 8 Metals	Priority Poll. 13 Metals	CT DEEP 15 Metals	Total	Dissolved	Field Filter ☐ Lab Filter ☐	SPLP Metals	TCLP	Additional Analysis: SPLP Pesticides	SPLP PAH	TOTAL # OF CONT.	NOTE #
TP-9 (1.5')	11/18/25 10:51	Soil										X													
TP-9 (4')	10:57							X				X													
TP-10 (3')	11:12							X																	
TP-11 (1.5')	11:25																			X		X	X		
TP-11 (6')	11:27						X																		
TP-12 (2')	11:44																								
TP-13 (1.5')	11:58		X					X				X													
TP-13 (5')	12:05		X									X								X		X	X		
TP-13 (Ex)	12:07		X					X	X			X													

PRESERVATIVE (Cl-HCl, N-HNO_3, S-H_2SO_4, Na-NaOH, C=Cool, O-Other)

CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other)

Soil VOCs Only (M=MeOH S=Stir Bar W=Water E=Encore)

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	11/18/25 13:50	WSP Refrigerator
Use Refrigerator	11/20/25 11:36	[signature]
[signature]	11/20/25 17:03	RUEE 11/20/25 1205

NOTES:
SPLP metals: As, Cd, Cr, Pb, Hg, Ni
VOAs in freezer

Client / Reporting Information

Company Name: WSP
Address: Shelton CT
City / State / Zip
Report To: Dominick Young
E-mail
Phone #
Tax Status: ☐ Exempt

Project Information

Project: Sycamore
Location: Trumbull
CET Quote #
PO #:
Project #:
Collector(s): DFS

QA/QC ☐ Std ☐ Site Specific (MS/MSD)* ☒ RCP Pkg ☐ DQAW
Data Report ☑ PDF ☐ EDD - Specify Format Other
Reporting Limits: GPRC / RDEC
Disposal Facility:
Laboratory Certification Needed (check one) ☐ CT ☐ NY ☐ RI ☐ MA ☐ PA
Temp Upon Receipt [redacted] °C Evidence of Cooling: (Y) N

PAGE 2 OF 2

* Additional Charges apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on t business day. All samples picked up by courier service will be considered next business day receipt for TAT purposes. *** Standard TAT is 5-7 business days.

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

Client: Mr. Darrick Jones
WSP USA, Inc.
4 Research Dr. Suite 204
Shelton, CT 06484

Analytical Report

CET# 25K0741

Report Date:December 04, 2025
Project: Pine St, Trumbull

Connecticut Laboratory Certificate: PH 0116
Massachusetts Laboratory Certificate: M-CT903
Rhode Island Laboratory Certificate: 199

New York NELAP Accreditation: 11982
Pennsylvania Laboratory Certificate: 68-02927

SAMPLE SUMMARY

The sample(s) were received at 3.9°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
B1 1-2ft	25K0741-01	Soil	11/21/2025 13:20	11/25/2025
B1 10-11ft	25K0741-02	Soil	11/21/2025 13:25	11/25/2025

Analyte: Percent Solids [SM 2540 G]

Analyst: RAN

Matrix: Soil

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
25K0741-01	B1 1-2ft	90	1.0	%	1	BL50218	12/02/2025	12/02/2025 14:05	
25K0741-02	B1 10-11ft	89	1.0	%	1	BL50218	12/02/2025	12/02/2025 14:05	

Client Sample ID B1 1-2ft

Lab ID: 25K0741-01

Conn. Extractable TPH **Analyst: CGS**

Method: CT-ETPH **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	**120**	55	1	EPA 3550C	BK52802	11/28/2025	12/01/2025 13:38	1
Surrogate: Octacosane	*114 %*	*50 - 150*			BK52802	11/28/2025	*12/01/2025 13:38*	

1 C18-C36 may be PNA Related

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
2-Methyl Naphthalene	ND	220	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
Acenaphthylene	ND	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
Acenaphthene	**220**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
Fluorene	**180**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
Phenanthrene	**1700**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
Anthracene	**430**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
Fluoranthene	**2500**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
Pyrene	**2000**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
Benzo[a]anthracene	**1100**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
Chrysene	**1100**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
Benzo[b]fluoranthene	**1400**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
Benzo[k]fluoranthene	**630**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
Benzo[a]pyrene	**1200**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
Indeno[1,2,3-cd]pyrene	**620**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
Dibenz[a,h]anthracene	**190**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
Benzo[g,h,i]perylene	**760**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 01:54	
Surrogate: Nitrobenzene-d5	*59.7 %*	*30 - 130*			BL50315	12/03/2025	*12/04/2025 01:54*	
Surrogate: 2-Fluorobiphenyl	*73.2 %*	*30 - 130*			BL50315	12/03/2025	*12/04/2025 01:54*	
Surrogate: Terphenyl-d14	*75.4 %*	*30 - 130*			BL50315	12/03/2025	*12/04/2025 01:54*	

Client Sample ID B1 10-11ft

Lab ID: 25K0741-02

Conn. Extractable TPH **Analyst: CGS**

Method: CT-ETPH **Matrix: Soil**

Analyte	Result (mg/kg dry)	RL (mg/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	**430**	56	1	EPA 3550C	BK52802	11/28/2025	12/01/2025 13:59	1
Surrogate: Octacosane	*119 %*	*50 - 150*			BK52802	11/28/2025	*12/01/2025 13:59*	

1 C18-C36 may be PNA Related

Semivolatile Organics **Analyst: MJH**

Method: EPA 8270E **Matrix: Soil**

Analyte	Result (ug/kg dry)	RL (ug/kg dry)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	**690**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
2-Methyl Naphthalene	**580**	220	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
Acenaphthylene	**480**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
Acenaphthene	**1200**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
Fluorene	**1600**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
Phenanthrene	**9500**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
Anthracene	**2700**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
Fluoranthene	**11000**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
Pyrene	**9900**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
Benzo[a]anthracene	**5600**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
Chrysene	**5500**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
Benzo[b]fluoranthene	**6200**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
Benzo[k]fluoranthene	**2400**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
Benzo[a]pyrene	**5200**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
Indeno[1,2,3-cd]pyrene	**2600**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
Dibenz[a,h]anthracene	**860**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
Benzo[g,h,i]perylene	**3200**	110	1	EPA 3546	BL50315	12/03/2025	12/04/2025 02:19	
Surrogate: Nitrobenzene-d5	*59.3 %*	*30 - 130*			BL50315	12/03/2025	*12/04/2025 02:19*	
Surrogate: 2-Fluorobiphenyl	*72.6 %*	*30 - 130*			BL50315	12/03/2025	*12/04/2025 02:19*	
Surrogate: Terphenyl-d14	*78.1 %*	*30 - 130*			BL50315	12/03/2025	*12/04/2025 02:19*	

QUALITY CONTROL SECTION

Batch BK52802 - CT-ETPH

Analyte	Result (mg/kg)	RL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BK52802-BLK1)					Prepared: 11/28/2025 Analyzed: 12/1/2025				
ETPH	ND	50							
Surrogate: Octacosane					*96.5*	*50 - 150*			
LCS (BK52802-BS1)					Prepared: 11/28/2025 Analyzed: 12/1/2025				
ETPH	1660	50	1,500.000		111	60 - 120			
Surrogate: Octacosane					*94.3*	*50 - 150*			
LCS Dup (BK52802-BSD1)					Prepared: 11/28/2025 Analyzed: 12/1/2025				
ETPH	1690	50	1,500.000		112	60 - 120	1.55	30	
Surrogate: Octacosane					*94.7*	*50 - 150*			

Batch BL50315 - EPA 8270E

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BL50315-BLK1)					Prepared: 12/3/2025 Analyzed: 12/3/2025				
Naphthalene	ND	100							
2-Methyl Naphthalene	ND	200							
Acenaphthylene	ND	100							
Acenaphthene	ND	100							
Fluorene	ND	100							
Phenanthrene	ND	100							
Anthracene	ND	100							
Fluoranthene	ND	100							
Pyrene	ND	100							
Benzo[a]anthracene	ND	100							
Chrysene	ND	100							
Benzo[b]fluoranthene	ND	100							
Benzo[k]fluoranthene	ND	100							
Benzo[a]pyrene	ND	100							
Indeno[1,2,3-cd]pyrene	ND	100							
Dibenz[a,h]anthracene	ND	100							
Benzo[g,h,i]perylene	ND	100							
Surrogate: Nitrobenzene-d5					*67.0*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*80.8*	*30 - 130*			
Surrogate: Terphenyl-d14					*86.9*	*30 - 130*			
LCS (BL50315-BS1)					Prepared: 12/3/2025 Analyzed: 12/3/2025				
Naphthalene	3060	100	4,000.000		76.4	40 - 140			
2-Methyl Naphthalene	3220	200	4,000.000		80.5	40 - 140			
Acenaphthylene	3160	100	4,000.000		79.1	40 - 140			
Acenaphthene	3400	100	4,000.000		85.0	40 - 140			
Fluorene	3490	100	4,000.000		87.3	40 - 140			
Phenanthrene	3520	100	4,000.000		88.0	40 - 140			
Anthracene	3600	100	4,000.000		90.0	40 - 140			
Fluoranthene	3680	100	4,000.000		92.0	40 - 140			
Pyrene	3710	100	4,000.000		92.7	40 - 140			
Benzo[a]anthracene	3490	100	4,000.000		87.3	40 - 140			
Chrysene	3670	100	4,000.000		91.7	40 - 140			
Benzo[b]fluoranthene	3590	100	4,000.000		89.7	40 - 140			
Benzo[k]fluoranthene	3640	100	4,000.000		91.0	40 - 140			
Benzo[a]pyrene	3620	100	4,000.000		90.6	40 - 140			
Indeno[1,2,3-cd]pyrene	3470	100	4,000.000		86.7	40 - 140			
Dibenz[a,h]anthracene	3610	100	4,000.000		90.2	40 - 140			
Benzo[g,h,i]perylene	3530	100	4,000.000		88.4	40 - 140			
Surrogate: Nitrobenzene-d5					*71.3*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*76.2*	*30 - 130*			
Surrogate: Terphenyl-d14					*82.0*	*30 - 130*			
LCS Dup (BL50315-BSD1)					Prepared: 12/3/2025 Analyzed: 12/3/2025				
Naphthalene	3040	100	4,000.000		76.1	40 - 140	0.452	30	
2-Methyl Naphthalene	3340	200	4,000.000		83.5	40 - 140	3.68	30	
Acenaphthylene	3260	100	4,000.000		81.4	40 - 140	2.87	30	
Acenaphthene	3500	100	4,000.000		87.4	40 - 140	2.79	30	
Fluorene	3570	100	4,000.000		89.3	40 - 140	2.23	30	
Phenanthrene	3570	100	4,000.000		89.3	40 - 140	1.45	30	
Anthracene	3600	100	4,000.000		90.1	40 - 140	0.170	30	
Fluoranthene	3650	100	4,000.000		91.2	40 - 140	0.902	30	

Analyte	Result (ug/kg)	RL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS Dup (BL50315-BSD1) - Continued					Prepared: 12/3/2025 Analyzed: 12/3/2025				
Pyrene	3640	100	4,000.000		91.1	40 - 140	1.74	30	
Benzo[a]anthracene	3510	100	4,000.000		87.7	40 - 140	0.382	30	
Chrysene	3730	100	4,000.000		93.3	40 - 140	1.71	30	
Benzo[b]fluoranthene	3640	100	4,000.000		91.0	40 - 140	1.35	30	
Benzo[k]fluoranthene	3660	100	4,000.000		91.5	40 - 140	0.502	30	
Benzo[a]pyrene	3650	100	4,000.000		91.4	40 - 140	0.860	30	
Indeno[1,2,3-cd]pyrene	3610	100	4,000.000		90.2	40 - 140	3.91	30	
Dibenz[a,h]anthracene	3740	100	4,000.000		93.4	40 - 140	3.41	30	
Benzo[g,h,i]perylene	3630	100	4,000.000		90.8	40 - 140	2.70	30	
Surrogate: Nitrobenzene-d5					*72.5*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*81.1*	*30 - 130*			
Surrogate: Terphenyl-d14					*86.4*	*30 - 130*			

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Jeffrey Smith at 203-377-9984.

Sincerely,



David Ditta
Laboratory Director

This technical report was reviewed by Timothy Fusco



Project Manager

This report shall not be reproduced except in full, without the written approval of the laboratory

Report Comments:

Sample Result Flags:
E- The result is estimated, above the calibration range.
H- The surrogate recovery is above the control limits.
L- The surrogate recovery is below the control limits.
B- The compound was detected in the laboratory blank.
P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
+- The Surrogate was diluted out.
*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit
Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.
All analyses were performed in house unless a Reference Laboratory is listed.
Samples will be disposed of 30 days after the report date.

CET # : 25K0741
Project: Pine St, Trumbull

80 Lupes Drive
Stratford, CT 06615

COMPLETE ENVIRONMENTAL TESTING, INC.

Tel: (203) 377-9984
Fax: (203) 377-9952
email: cet1@cetlabs.com

Quality Control Definitions and Abbreviations

Internal Standard (IS)	An Analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Recovery	The % recovery for non-target organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration	An analytical standard analyzed with each set of samples to verify initial calibration of the system.
Batch	Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period.
ND	Not detected at or above the specified reporting limit.
RL	RL is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.
Dilution	Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate	Result from the duplicate analysis of a sample.
Result	Amount of analyte found in a sample.
Spike Level	Amount of analyte added to a sample
Matrix Spike Result	Amount of analyte found including amount that was spiked.
Matrix Spike Dup	Amount of analyte found in duplicate spikes including amount that was spike.
Matrix Spike % Recovery	% Recovery of spiked amount in sample.
Matrix Spike Dup % Recovery	% Recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between Matrix Spike and Matrix Spike Duplicate.
Blank	Method Blank that has been taken through all steps of the analysis.
LCS % Recovery	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Recovery Limits	A range within which specified measurements results must fall to be compliant.
CC	Calibration Verification

Flags:

- H- Recovery is above the control limits
- L- Recovery is below the control limits
- B- Compound detected in the Blank
- P- RPD of dual column results exceeds 40%
- #- Sample result too high for accurate spike recovery.

NELAP ACCREDITED TNI LABORATORY

Connecticut Laboratory Certification PH0116
Massachussets Laboratory Certification M-CT903
Pennsylvania NELAP Accreditation 68-02927

New York NELAP Accreditation 11982
Rhode Island Certification 199

Bureau of Water Protection and Land Reuse
Remediation Division

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Complete Environmental Testing, Inc. ***Client:*** WSP USA, Inc.

Project Location: Pine St, Trumbull ***Project Number:***

Sample Date(s): ***Laboratory Sample ID(s):***

11/21/2025 25K0741-01 thru 25K0741-02

List RCP Methods Used:

CT-ETPH, EPA 8270E

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method-specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods Only: Was the VPH or EPH method conducted without significant modifications (See respective RCPs)	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (<6° C)? If samples were received by the laboratory on the same day of collection and were stored and transported to the laboratory on ice, cooler temperatures above 6°C are acceptable.	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CT DEEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5	Were reporting limits / limits of quantitation specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5a	Were these reporting limits / limits of quantitation met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set for applicable RCPs?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence." This form may not be altered, and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:  **Position:** Laboratory Director

Printed Name: David Ditta **Date:** 12/04/2025

Name of Laboratory: Complete Environmental Testing, Inc.

This certification form is to be used for RCP methods only.

RCP Case Narrative

6- Client requested a subset of the RCP 8270 list.

7- Project specific QC was not requested by the client.

QC Batch/Sequence Report

Batch	Sequence	CET ID	Sample ID	Specific Method	Matrix	Collection Date
BK52802	S5L0132	25K0741-01	B1 1-2ft	CT-ETPH	Soil	11/21/2025
BK52802	S5L0132	25K0741-02	B1 10-11ft	CT-ETPH	Soil	11/21/2025
BL50315	S5L0411	25K0741-01	B1 1-2ft	EPA 8270E	Soil	11/21/2025
BL50315	S5L0411	25K0741-02	B1 10-11ft	EPA 8270E	Soil	11/21/2025

25K0741

CET

COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

Volatile Soils Only:

Date and Time in Freezer
Client:
CET: 11/25/25 18:00

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cetservices@cetlabs.com
e-mail: bottleorders@cetlabs.com

2025

Matrix: A= Air, S= Soil, W=Water, DW= Drinking Water, C= Cassette, Solid, Wipe, Other (Specify)

Turnaround Time** (check one): Same Day *, Next Day *, Two Day *, Three Day *, Standard ***

Sample ID/Sample Depths (include Units for any sample depths provided)	Collection Date/Time	Matrix	Same Day *	Next Day *	Two Day *	Three Day *	Standard ***	8260 Volatile Organics	8260 Aromatics	8260 Halogens	1,4 Dioxane 8260	8270 Semi-Volatile Organics	8270 PNAs/PAH	PCBs	Pesticides	Herbicides	CT ETPH	MA EPH ☐ Targets	Metals: RCRA 8 Metals	Priority Poll. 13 Metals	CT DEEP 15 Metals	Total	Dissolved	Field Filter ☐ Lab Filter ☐	SPLP	TCLP	Additional Analysis	TOTAL # OF CONT.	NOTE #
B1 (1-2)	11/21 @1320	S					X						X				X										4	
B1 (10-11)	↓ @1325	S					X						X				X										4	
PRESERVATIVE (Cl-HCl, N-HNO_3, S-H_2SO_4, Na-NaOH, C=Cool, O-Other)													C				C											
CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other)								V					G				G											
Soil VOCs Only (M=MeOH S=Stir Bar W=Water E=Encore)								M/S																				

RELINQUISHED BY: Melani Shepard — DATE/TIME: 11/21/25 @1500 — RECEIVED BY: Shelton refrigerator / freezer

RELINQUISHED BY: [illegible] — DATE/TIME: 11-25-25 0925 — RECEIVED BY: [illegible]

RELINQUISHED BY: [illegible] — DATE/TIME: 11-25-25 1430 — RECEIVED BY: [illegible] — 11/25/25 14:15

NOTES:
* VOAs in freezer 11/21/25 @1500

Client / Reporting Information

Company Name: WSP

Address: 6 Research Dr Ste 260

City: Shelton — State: CT — Zip: 06484

Report To: Darrick Jones — E-mail: darrick.jones@wsp.com

Phone #: 203-929-8555

Tax Status: ☐ Exempt

Project Information

Project: Pine St — PO #:

Location: Trumbull CT — Project #:

CET Quote # — Collector(s): M. Shepard

QA/QC: ☒ Std ☐ Site Specific (MS/MSD) * ☒ RCP Pkg ☐ DQAW

Data Report: ☒ PDF ☒ EDD - Specify Format — Other

Reporting Limits: RDEC 1 — Disposal Facility:

Laboratory Certification Needed (check one): ☒ CT ☐ NY ☐ RI ☐ MA ☐ PA

Temp Upon Receipt: 2.9 °C — Evidence of Cooling: Y / N

PAGE 1 OF 1

* Additional Charges apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on t[illegible] business day. All samples picked up by courier service will be considered next business day receipt for TAT purposes. *** Standard TAT is 5-7 business days.

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

Client: Mr. Darrick Jones
WSP USA, Inc.
4 Research Dr. Suite 204
Shelton, CT 06484

Analytical Report

CET# 25L0167

Report Date:December 12, 2025
Project: Pine St, Trumbull
PO Number: P144644US001

Connecticut Laboratory Certificate: PH 0116
Massachusetts Laboratory Certificate: M-CT903
Rhode Island Laboratory Certificate: 199

New York NELAP Accreditation: 11982
Pennsylvania Laboratory Certificate: 68-02927

SAMPLE SUMMARY

The sample(s) were received at 1.2°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
MW-1	25L0167-01	Water	12/03/2025 13:30	12/04/2025
MW-2	25L0167-02	Water	12/03/2025 12:25	12/04/2025

Analyte: Mercury [EPA 245.1]

Analyst: CJR

Matrix: Water

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
25L0167-01	MW-1	ND	0.00020	mg/L	1	BL50806	12/08/2025	12/08/2025 13:48	
25L0167-02	MW-2	ND	0.00020	mg/L	1	BL50806	12/08/2025	12/08/2025 13:50	

CET # : 25L0167
Project: Pine St, Trumbull

Client Sample ID MW-1

Lab ID: 25L0167-01

Total Metals **Analyst: SS**

Method: EPA 200.7 **Matrix: Water**

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	ND	0.013	1	EPA 200.7	BL50952	12/09/2025	12/10/2025 22:34	
Cadmium	ND	0.0050	1	EPA 200.7	BL50952	12/09/2025	12/10/2025 22:34	
Arsenic	ND	0.0040	1	EPA 200.7	BL50952	12/09/2025	12/10/2025 22:34	
Copper	ND	0.040	1	EPA 200.7	BL50952	12/09/2025	12/10/2025 22:34	
Nickel	ND	0.050	1	EPA 200.7	BL50952	12/09/2025	12/10/2025 22:34	

Conn. Extractable TPH **Analyst: CGS**

Method: CT-ETPH **Matrix: Water**

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	ND	0.10	1	EPA 3535A	BL50507	12/05/2025	12/08/2025 16:50	
Surrogate: Octacosane	*91.7 %*	*50 - 150*			BL50507	12/05/2025	*12/08/2025 16:50*	

Chlorinated Pesticides **Analyst: MFJ**

Method: EPA 8081B **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorobenzene	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Alpha-BHC	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Gamma-BHC	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Heptachlor	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Aldrin	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Beta-BHC	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Delta-BHC	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Heptachlor Epoxide	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Endosulfan I	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
4,4-DDE	ND	0.0010	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Dieldrin	ND	0.0010	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Endrin	ND	0.0010	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
4,4-DDD	ND	0.0010	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	

Client Sample ID MW-1

Lab ID: 25L0167-01

Chlorinated Pesticides **Analyst: MFJ**

Method: EPA 8081B **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Endosulfan II	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
4,4-DDT	ND	0.0010	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Endrin Aldehyde	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
4,4-Methoxychlor	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Endosulfan Sulfate	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Endrin Ketone	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Chlordane	ND	0.20	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Toxaphene	ND	0.80	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Alachlor	ND	0.20	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:15	
Surrogate: TCMX [1C]	*87.0 %*		*30 - 150*		BL50941	12/09/2025	*12/11/2025 13:15*	
Surrogate: TCMX [2C]	*98.0 %*		*30 - 150*		BL50941	12/09/2025	*12/11/2025 13:15*	
Surrogate: DCB [1C]	*78.0 %*		*30 - 150*		BL50941	12/09/2025	*12/11/2025 13:15*	
Surrogate: DCB [2C]	*82.0 %*		*30 - 150*		BL50941	12/09/2025	*12/11/2025 13:15*	

Semivolatile Organics By SIM **Analyst: MJH**

Method: EPA 8270E **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
2-Methyl Naphthalene	ND	1.0	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
Acenaphthylene	ND	0.30	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
Acenaphthene	ND	1.0	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
Fluorene	ND	1.0	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
Phenanthrene	ND	0.077	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
Anthracene	ND	1.0	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
Fluoranthene	ND	1.0	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
Pyrene	ND	1.0	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
Benzo[a]anthracene	ND	0.060	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
Chrysene	ND	0.50	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
Benzo[b]fluoranthene	ND	0.080	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
Benzo[k]fluoranthene	ND	0.30	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
Benzo[a]pyrene	ND	0.20	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
Dibenz[a,h]anthracene	ND	0.10	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
Benzo[g,h,i]perylene	ND	0.40	1	EPA 3510C	BL50512	12/05/2025	12/08/2025 15:53	
Surrogate: Nitrobenzene-d5	*62.0 %*		*30 - 130*		BL50512	12/05/2025	*12/08/2025 15:53*	

Client Sample ID MW-1

Lab ID: 25L0167-01

Semivolatile Organics By SIM **Analyst: MJH**

Method: EPA 8270E **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*89.2 %*		*30 - 130*		BL50512	12/05/2025	*12/08/2025 15:53*	
Surrogate: Terphenyl-d14	*69.2 %*		*30 - 130*		BL50512	12/05/2025	*12/08/2025 15:53*	

Volatile Organics **Analyst: FTR**

Method: EPA 8260D **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	10	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Chloromethane	ND	2.7	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Vinyl Chloride	ND	1.6	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Bromomethane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Chloroethane	ND	5.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Trichlorofluoromethane	ND	25	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	*C1
Acetone	ND	50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	*F1*C1
Acrylonitrile	ND	0.50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Trichlorotrifluoroethane	ND	25	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,1-Dichloroethene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
t-Butanol	ND	25	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Methylene Chloride	ND	5.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Carbon Disulfide	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	*C1
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
trans-1,2-Dichloroethene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Di-isopropyl ether	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,1-Dichloroethane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
t-Butyl ethyl ether	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
2-Butanone (MEK)	ND	25	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	*C1
2,2-Dichloropropane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	*C1
cis-1,2-Dichloroethene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Bromochloromethane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Chloroform	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Tetrahydrofuran	ND	4.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,1,1-Trichloroethane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
tert-Amyl methyl ether (TAME)	ND	5.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Carbon Tetrachloride	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,1-Dichloropropene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Benzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,2-Dichloroethane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	

Client Sample ID MW-1

Lab ID: 25L0167-01

Volatile Organics **Analyst: FTR**

Method: EPA 8260D **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,2-Dichloropropane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Dibromomethane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Bromodichloromethane	ND	0.50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Methyl Isobutyl Ketone	ND	25	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
cis-1,3-Dichloropropene	ND	0.50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Toluene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
trans-1,3-Dichloropropene	ND	0.50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
2-Hexanone	ND	25	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,1,2-Trichloroethane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Tetrachloroethene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,3-Dichloropropane	ND	0.50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Dibromochloromethane	ND	0.50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,2-Dibromoethane	ND	0.50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
trans-1,4-Dichloro-2-Butene	ND	10	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	*C1
Chlorobenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,1,1,2-Tetrachloroethane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Ethylbenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
m+p Xylenes	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
o-Xylene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Styrene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Bromoform	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Isopropylbenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,1,2,2-Tetrachloroethane	ND	0.50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Bromobenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,2,3-Trichloropropane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
n-Propylbenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
2-Chlorotoluene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
4-Chlorotoluene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,3,5-Trimethylbenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
tert-Butylbenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,2,4-Trimethylbenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
sec-Butylbenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,3-Dichlorobenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
4-Isopropyltoluene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,4-Dichlorobenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,2-Dichlorobenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
n-Butylbenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,2-Dibromo-3-Chloropropane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,2,4-Trichlorobenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Hexachlorobutadiene	ND	0.45	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	

Client Sample ID MW-1

Lab ID: 25L0167-01

Volatile Organics **Analyst: FTR**

Method: EPA 8260D **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,2,3-Trichlorobenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Ethyl Ether	ND	25	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
1,4-Dioxane	ND	100	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:23	
Surrogate: 1,2-Dichloroethane-d4	*84.7 %*		*70 - 130*		BL50960	12/10/2025	*12/10/2025 04:23*	
Surrogate: Toluene-d8	*97.8 %*		*70 - 130*		BL50960	12/10/2025	*12/10/2025 04:23*	
Surrogate: 4-Bromofluorobenzene	*103 %*		*70 - 130*		BL50960	12/10/2025	*12/10/2025 04:23*	

Client Sample ID MW-2

Lab ID: 25L0167-02

Total Metals **Analyst: SS**

Method: EPA 200.7 **Matrix: Water**

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Lead	ND	0.013	1	EPA 200.7	BL50952	12/09/2025	12/10/2025 22:39	
Cadmium	ND	0.0050	1	EPA 200.7	BL50952	12/09/2025	12/10/2025 22:39	
Arsenic	ND	0.0040	1	EPA 200.7	BL50952	12/09/2025	12/10/2025 22:39	
Copper	ND	0.040	1	EPA 200.7	BL50952	12/09/2025	12/10/2025 22:39	
Nickel	ND	0.050	1	EPA 200.7	BL50952	12/09/2025	12/10/2025 22:39	

Conn. Extractable TPH **Analyst: CGS**

Method: CT-ETPH **Matrix: Water**

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	**0.37**	0.10	1	EPA 3535A	BL50507	12/05/2025	12/08/2025 17:11	2
Surrogate: Octacosane	*59.3 %*	*50 - 150*			BL50507	12/05/2025	*12/08/2025 17:11*	

2 C9-C28 Fuel Oil Range

Chlorinated Pesticides **Analyst: MFJ**

Method: EPA 8081B **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Hexachlorobenzene	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Alpha-BHC	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Gamma-BHC	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Heptachlor	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Aldrin	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Beta-BHC	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Delta-BHC	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Heptachlor Epoxide	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Endosulfan I	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
4,4-DDE	ND	0.0010	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Dieldrin	ND	0.0010	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Endrin	ND	0.0010	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
4,4-DDD	ND	0.0010	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	

Client Sample ID MW-2

Lab ID: 25L0167-02

Chlorinated Pesticides **Analyst: MFJ**

Method: EPA 8081B **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Endosulfan II	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
4,4-DDT	ND	0.0010	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Endrin Aldehyde	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
4,4-Methoxychlor	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Endosulfan Sulfate	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Endrin Ketone	ND	0.0050	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Chlordane	ND	0.20	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Toxaphene	ND	0.80	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Alachlor	ND	0.20	1	EPA 3535A	BL50941	12/09/2025	12/11/2025 13:28	
Surrogate: TCMX [1C]	*90.0 %*	*30 - 150*			BL50941	12/09/2025	*12/11/2025 13:28*	
Surrogate: TCMX [2C]	*76.0 %*	*30 - 150*			BL50941	12/09/2025	*12/11/2025 13:28*	
Surrogate: DCB [1C]	*88.0 %*	*30 - 150*			BL50941	12/09/2025	*12/11/2025 13:28*	
Surrogate: DCB [2C]	*80.0 %*	*30 - 150*			BL50941	12/09/2025	*12/11/2025 13:28*	

Semivolatile Organics By SIM **Analyst: MJH**

Method: EPA 8270E **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
2-Methyl Naphthalene	ND	1.0	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
Acenaphthylene	ND	0.30	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
Acenaphthene	ND	1.0	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
Fluorene	ND	1.0	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
Phenanthrene	ND	0.077	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
Anthracene	ND	1.0	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
Fluoranthene	ND	1.0	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
Pyrene	ND	1.0	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
Benzo[a]anthracene	ND	0.060	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
Chrysene	ND	0.50	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
Benzo[b]fluoranthene	ND	0.080	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
Benzo[k]fluoranthene	ND	0.30	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
Benzo[a]pyrene	ND	0.20	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
Dibenz[a,h]anthracene	ND	0.10	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
Benzo[g,h,i]perylene	ND	0.40	1	EPA 3510C	BL50512	12/05/2025	12/09/2025 17:44	
Surrogate: Nitrobenzene-d5	*42.6 %*	*30 - 130*			BL50512	12/05/2025	*12/09/2025 17:44*	

Client Sample ID MW-2

Lab ID: 25L0167-02

Semivolatile Organics By SIM **Analyst: MJH**

Method: EPA 8270E **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Surrogate: 2-Fluorobiphenyl	*49.8 %*		*30 - 130*		BL50512	12/05/2025	*12/09/2025 17:44*	
Surrogate: Terphenyl-d14	*60.6 %*		*30 - 130*		BL50512	12/05/2025	*12/09/2025 17:44*	

Volatile Organics **Analyst: FTR**

Method: EPA 8260D **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Dichlorodifluoromethane	ND	10	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Chloromethane	ND	2.7	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Vinyl Chloride	ND	1.6	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Bromomethane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Chloroethane	ND	5.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Trichlorofluoromethane	ND	25	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	*C1
Acetone	ND	50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	*F1*C1
Acrylonitrile	ND	0.50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Trichlorotrifluoroethane	ND	25	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,1-Dichloroethene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
t-Butanol	ND	25	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Methylene Chloride	ND	5.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Carbon Disulfide	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	*C1
Methyl-t-Butyl Ether (MTBE)	ND	5.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
trans-1,2-Dichloroethene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Di-isopropyl ether	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,1-Dichloroethane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
t-Butyl ethyl ether	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
2-Butanone (MEK)	ND	25	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	*C1
2,2-Dichloropropane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	*C1
cis-1,2-Dichloroethene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Bromochloromethane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Chloroform	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Tetrahydrofuran	ND	4.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,1,1-Trichloroethane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
tert-Amyl methyl ether (TAME)	ND	5.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Carbon Tetrachloride	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,1-Dichloropropene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Benzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,2-Dichloroethane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	

Client Sample ID MW-2

Lab ID: 25L0167-02

Volatile Organics **Analyst: FTR**

Method: EPA 8260D **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Trichloroethene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,2-Dichloropropane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Dibromomethane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Bromodichloromethane	ND	0.50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Methyl Isobutyl Ketone	ND	25	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
cis-1,3-Dichloropropene	ND	0.50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Toluene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
trans-1,3-Dichloropropene	ND	0.50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
2-Hexanone	ND	25	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,1,2-Trichloroethane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Tetrachloroethene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,3-Dichloropropane	ND	0.50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Dibromochloromethane	ND	0.50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,2-Dibromoethane	ND	0.50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
trans-1,4-Dichloro-2-Butene	ND	10	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	*C1
Chlorobenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,1,1,2-Tetrachloroethane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Ethylbenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
m+p Xylenes	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
o-Xylene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Styrene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Bromoform	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Isopropylbenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,1,2,2-Tetrachloroethane	ND	0.50	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Bromobenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,2,3-Trichloropropane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
n-Propylbenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
2-Chlorotoluene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
4-Chlorotoluene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,3,5-Trimethylbenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
tert-Butylbenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,2,4-Trimethylbenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
sec-Butylbenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,3-Dichlorobenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
4-Isopropyltoluene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,4-Dichlorobenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,2-Dichlorobenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
n-Butylbenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,2-Dibromo-3-Chloropropane	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,2,4-Trichlorobenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Hexachlorobutadiene	ND	0.45	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	

Client Sample ID MW-2

Lab ID: 25L0167-02

Volatile Organics **Analyst: FTR**

Method: EPA 8260D **Matrix: Water**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,2,3-Trichlorobenzene	ND	1.0	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Ethyl Ether	ND	25	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
1,4-Dioxane	ND	100	1	EPA 5030C	BL50960	12/10/2025	12/10/2025 04:49	
Surrogate: 1,2-Dichloroethane-d4	*83.9 %*		*70 - 130*		BL50960	12/10/2025	*12/10/2025 04:49*	
Surrogate: Toluene-d8	*96.9 %*		*70 - 130*		BL50960	12/10/2025	*12/10/2025 04:49*	
Surrogate: 4-Bromofluorobenzene	*105 %*		*70 - 130*		BL50960	12/10/2025	*12/10/2025 04:49*	

QUALITY CONTROL SECTION

Batch BL50507 - CT-ETPH

Analyte	Result (mg/L)	RL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BL50507-BLK1)					Prepared: 12/5/2025 Analyzed: 12/8/2025				
ETPH	ND	0.10							
Surrogate: Octacosane					*80.6*	*50 - 150*			
LCS (BL50507-BS1)					Prepared: 12/5/2025 Analyzed: 12/8/2025				
ETPH	1.44	0.10	2.000		72.0	60 - 120			
Surrogate: Octacosane					*78.5*	*50 - 150*			
LCS Dup (BL50507-BSD1)					Prepared: 12/5/2025 Analyzed: 12/8/2025				
ETPH	1.50	0.10	2.000		75.0	60 - 120	4.07	30	
Surrogate: Octacosane					*83.3*	*50 - 150*			

Batch BL50512 - EPA 8270E

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BL50512-BLK1)					Prepared: 12/5/2025 Analyzed: 12/5/2025				
Naphthalene	ND	1.0							
2-Methyl Naphthalene	ND	1.0							
Acenaphthylene	ND	0.30							
Acenaphthene	ND	1.0							
Fluorene	ND	1.0							
Phenanthrene	ND	0.077							
Anthracene	ND	1.0							
Fluoranthene	ND	1.0							
Pyrene	ND	1.0							
Benzo[a]anthracene	ND	0.060							
Chrysene	ND	0.50							
Benzo[b]fluoranthene	ND	0.080							
Benzo[k]fluoranthene	ND	0.30							
Benzo[a]pyrene	ND	0.20							
Indeno[1,2,3-cd]pyrene	ND	0.10							
Dibenz[a,h]anthracene	ND	0.10							
Benzo[g,h,i]perylene	ND	0.40							
Surrogate: Nitrobenzene-d5					*77.2*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*96.4*	*30 - 130*			
Surrogate: Terphenyl-d14					*108*	*30 - 130*			
LCS (BL50512-BS1)					Prepared: 12/5/2025 Analyzed: 12/5/2025				
Naphthalene	1.71	1.0	2.000		85.5	40 - 140			
2-Methyl Naphthalene	1.91	1.0	2.000		95.5	40 - 140			
Acenaphthylene	1.89	0.30	2.000		94.5	40 - 140			
Acenaphthene	2.01	1.0	2.000		101	40 - 140			
Fluorene	2.14	1.0	2.000		107	40 - 140			
Phenanthrene	2.06	0.077	2.000		103	40 - 140			
Anthracene	2.13	1.0	2.000		107	40 - 140			
Fluoranthene	2.31	1.0	2.000		116	40 - 140			
Pyrene	2.24	1.0	2.000		112	40 - 140			
Benzo[a]anthracene	2.17	0.060	2.000		109	40 - 140			
Chrysene	2.28	0.50	2.000		114	40 - 140			
Benzo[b]fluoranthene	2.40	0.080	2.000		120	40 - 140			
Benzo[k]fluoranthene	2.44	0.30	2.000		122	40 - 140			
Benzo[a]pyrene	2.28	0.20	2.000		114	40 - 140			
Indeno[1,2,3-cd]pyrene	2.14	0.10	2.000		107	40 - 140			
Dibenz[a,h]anthracene	2.06	0.10	2.000		103	40 - 140			
Benzo[g,h,i]perylene	2.05	0.40	2.000		103	40 - 140			
Surrogate: Nitrobenzene-d5					*83.4*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*99.8*	*30 - 130*			
Surrogate: Terphenyl-d14					*103*	*30 - 130*			
LCS Dup (BL50512-BSD1)					Prepared: 12/5/2025 Analyzed: 12/5/2025				
Naphthalene	1.70	1.0	2.000		85.0	40 - 140	0.587	20	
2-Methyl Naphthalene	1.90	1.0	2.000		95.0	40 - 140	0.525	20	
Acenaphthylene	1.92	0.30	2.000		96.0	40 - 140	1.57	20	
Acenaphthene	2.08	1.0	2.000		104	40 - 140	3.42	20	
Fluorene	2.12	1.0	2.000		106	40 - 140	0.939	20	
Phenanthrene	2.15	0.077	2.000		108	40 - 140	4.28	20	
Anthracene	2.24	1.0	2.000		112	40 - 140	5.03	20	
Fluoranthene	2.48	1.0	2.000		124	40 - 140	7.10	20	

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS Dup (BL50512-BSD1) - Continued					Prepared: 12/5/2025 Analyzed: 12/5/2025				
Pyrene	2.45	1.0	2.000		123	40 - 140	8.96	20	
Benzo[a]anthracene	2.39	0.060	2.000		120	40 - 140	9.65	20	
Chrysene	2.49	0.50	2.000		125	40 - 140	8.81	20	
Benzo[b]fluoranthene	2.79	0.080	2.000		140	40 - 140	15.0	20	
Benzo[k]fluoranthene	2.70	0.30	2.000		135	40 - 140	10.1	20	
Benzo[a]pyrene	2.55	0.20	2.000		128	40 - 140	11.2	20	
Indeno[1,2,3-cd]pyrene	2.15	0.10	2.000		108	40 - 140	0.466	20	
Dibenz[a,h]anthracene	2.20	0.10	2.000		110	40 - 140	6.57	20	
Benzo[g,h,i]perylene	2.26	0.40	2.000		113	40 - 140	9.74	20	
Surrogate: Nitrobenzene-d5					*75.0*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*93.2*	*30 - 130*			
Surrogate: Terphenyl-d14					*105*	*30 - 130*			

Batch BL50806 - EPA 245.1

Analyte	Result (mg/L)	RL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BL50806-BLK1)					Prepared: 12/8/2025 Analyzed: 12/8/2025				
Mercury	ND	0.00020							
LCS (BL50806-BS1)					Prepared: 12/8/2025 Analyzed: 12/8/2025				
Mercury	0.00246	0.00020	0.003		98.4	85 - 115			
LCS Dup (BL50806-BSD1)					Prepared: 12/8/2025 Analyzed: 12/8/2025				
Mercury	0.00237	0.00020	0.003		94.8	85 - 115	3.73	20	

Batch BL50941 - EPA 8081B

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BL50941-BLK1)					Prepared: 12/9/2025 Analyzed: 12/11/2025				
Hexachlorobenzene	ND	0.0050							
Alpha-BHC	ND	0.0050							
Gamma-BHC	ND	0.0050							
Heptachlor	ND	0.0050							
Aldrin	ND	0.0050							
Beta-BHC	ND	0.0050							
Delta-BHC	ND	0.0050							
Heptachlor Epoxide	ND	0.0050							
Endosulfan I	ND	0.0050							
4,4-DDE	ND	0.0010							
Dieldrin	ND	0.0010							
Endrin	ND	0.0010							
4,4-DDD	ND	0.0010							
Endosulfan II	ND	0.0050							
4,4-DDT	ND	0.0010							
Endrin Aldehyde	ND	0.0050							
4,4-Methoxychlor	ND	0.0050							
Endosulfan Sulfate	ND	0.0050							
Endrin Ketone	ND	0.0050							
Chlordane	ND	0.20							
Toxaphene	ND	0.80							
Alachlor	ND	0.20							
Surrogate: TCMX [1C]					*101*	*30 - 150*			
Surrogate: TCMX [2C]					*88.0*	*30 - 150*			
Surrogate: DCB [1C]					*100*	*30 - 150*			
Surrogate: DCB [2C]					*91.0*	*30 - 150*			
LCS (BL50941-BS1)					Prepared: 12/9/2025 Analyzed: 12/11/2025				
Hexachlorobenzene	0.0610	0.0050	0.050		122	40 - 140			
Alpha-BHC	0.0560	0.0050	0.050		112	40 - 140			
Gamma-BHC	0.0570	0.0050	0.050		114	40 - 140			
Heptachlor	0.0590	0.0050	0.050		118	40 - 140			
Aldrin	0.0600	0.0050	0.050		120	40 - 140			
Beta-BHC	0.0590	0.0050	0.050		118	40 - 140			
Delta-BHC	0.0570	0.0050	0.050		114	40 - 140			
Heptachlor Epoxide	0.0600	0.0050	0.050		120	40 - 140			
Endosulfan I	0.0610	0.0050	0.050		122	40 - 140			
4,4-DDE	0.0660	0.0010	0.050		132	40 - 140			
Dieldrin	0.0640	0.0010	0.050		128	40 - 140			
Endrin	0.0660	0.0010	0.050		132	40 - 140			
4,4-DDD	0.0580	0.0010	0.050		116	40 - 140			
Endosulfan II	0.0590	0.0050	0.050		118	40 - 140			
4,4-DDT	0.0540	0.0010	0.050		108	40 - 140			
Endrin Aldehyde	0.0570	0.0050	0.050		114	40 - 140			
4,4-Methoxychlor	0.0640	0.0050	0.050		128	40 - 140			
Endosulfan Sulfate	0.0590	0.0050	0.050		118	40 - 140			
Endrin Ketone	0.0570	0.0050	0.050		114	40 - 140			
Alachlor	0.129	0.20	0.100		129	40 - 140			
Surrogate: TCMX [1C]					*96.0*	*30 - 150*			
Surrogate: TCMX [2C]					*85.0*	*30 - 150*			
Surrogate: DCB [1C]					*98.0*	*30 - 150*			
Surrogate: DCB [2C]					*87.0*	*30 - 150*			

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (BL50941-BS1) - Continued					Prepared: 12/9/2025 Analyzed: 12/11/2025				
LCS Dup (BL50941-BSD1)					Prepared: 12/9/2025 Analyzed: 12/11/2025				
Hexachlorobenzene	0.0580	0.0050	0.050		116	40 - 140	5.04	20	
Alpha-BHC	0.0560	0.0050	0.050		112	40 - 140	0.00	20	
Gamma-BHC	0.0560	0.0050	0.050		112	40 - 140	1.77	20	
Heptachlor	0.0580	0.0050	0.050		116	40 - 140	1.71	20	
Aldrin	0.0580	0.0050	0.050		116	40 - 140	3.39	20	
Beta-BHC	0.0590	0.0050	0.050		118	40 - 140	0.00	20	
Delta-BHC	0.0530	0.0050	0.050		106	40 - 140	7.27	20	
Heptachlor Epoxide	0.0590	0.0050	0.050		118	40 - 140	1.68	20	
Endosulfan I	0.0630	0.0050	0.050		126	40 - 140	3.23	20	
4,4-DDE	0.0660	0.0010	0.050		132	40 - 140	0.00	20	
Dieldrin	0.0630	0.0010	0.050		126	40 - 140	1.57	20	
Endrin	0.0660	0.0010	0.050		132	40 - 140	0.00	20	
4,4-DDD	0.0610	0.0010	0.050		122	40 - 140	5.04	20	
Endosulfan II	0.0600	0.0050	0.050		120	40 - 140	1.68	20	
4,4-DDT	0.0590	0.0010	0.050		118	40 - 140	8.85	20	
Endrin Aldehyde	0.0580	0.0050	0.050		116	40 - 140	1.74	20	
4,4-Methoxychlor	0.0640	0.0050	0.050		128	40 - 140	0.00	20	
Endosulfan Sulfate	0.0580	0.0050	0.050		116	40 - 140	1.71	20	
Endrin Ketone	0.0590	0.0050	0.050		118	40 - 140	3.45	20	
Alachlor	0.128	0.20	0.100		128	40 - 140	0.778	20	
Surrogate: TCMX [1C]					*95.0*	*30 - 150*			
Surrogate: TCMX [2C]					*84.0*	*30 - 150*			
Surrogate: DCB [1C]					*97.0*	*30 - 150*			
Surrogate: DCB [2C]					*88.0*	*30 - 150*			

CET # : 25L0167

Project: Pine St, Trumbull

Batch BL50952 - EPA 200.7

Analyte	Result (mg/L)	RL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BL50952-BLK1)					Prepared: 12/9/2025 Analyzed: 12/10/2025				
Lead	ND	0.013							
Cadmium	ND	0.0050							
Arsenic	ND	0.0040							
Copper	ND	0.040							
Nickel	ND	0.050							
LCS (BL50952-BS1)					Prepared: 12/9/2025 Analyzed: 12/10/2025				
Lead	0.187	0.013	0.200		93.4	85 - 115			
Cadmium	0.204	0.0050	0.200		102	85 - 115			
Arsenic	0.197	0.0040	0.200		98.5	85 - 115			
Copper	0.196	0.040	0.200		97.8	85 - 115			
Nickel	0.189	0.050	0.200		94.5	85 - 115			

Batch BL50960 - EPA 8260D

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BL50960-BLK1)					Prepared: 12/10/2025 Analyzed: 12/10/2025				
Dichlorodifluoromethane	ND	10							
Chloromethane	ND	2.7							
Vinyl Chloride	ND	1.6							
Bromomethane	ND	1.0							
Chloroethane	ND	5.0							
Trichlorofluoromethane	ND	25							
Acetone	ND	50							
Acrylonitrile	ND	0.50							
Trichlorotrifluoroethane	ND	25							
1,1-Dichloroethene	ND	1.0							
t-Butanol	ND	25							
Methylene Chloride	ND	5.0							
Carbon Disulfide	ND	1.0							
Methyl-t-Butyl Ether (MTBE)	ND	5.0							
trans-1,2-Dichloroethene	ND	1.0							
Di-isopropyl ether	ND	1.0							
1,1-Dichloroethane	ND	1.0							
t-Butyl ethyl ether	ND	1.0							
2-Butanone (MEK)	ND	25							
2,2-Dichloropropane	ND	1.0							
cis-1,2-Dichloroethene	ND	1.0							
Bromochloromethane	ND	1.0							
Chloroform	ND	1.0							
Tetrahydrofuran	ND	4.0							
1,1,1-Trichloroethane	ND	1.0							
tert-Amyl methyl ether (TAME)	ND	5.0							
Carbon Tetrachloride	ND	1.0							
1,1-Dichloropropene	ND	1.0							
Benzene	ND	1.0							
1,2-Dichloroethane	ND	1.0							
Trichloroethene	ND	1.0							
1,2-Dichloropropane	ND	1.0							
Dibromomethane	ND	1.0							
Bromodichloromethane	ND	0.50							
Methyl Isobutyl Ketone	ND	25							
cis-1,3-Dichloropropene	ND	0.50							
Toluene	ND	1.0							
trans-1,3-Dichloropropene	ND	0.50							
2-Hexanone	ND	25							
1,1,2-Trichloroethane	ND	1.0							
Tetrachloroethene	ND	1.0							
1,3-Dichloropropane	ND	0.50							
Dibromochloromethane	ND	0.50							
1,2-Dibromoethane	ND	0.50							
trans-1,4-Dichloro-2-Butene	ND	10							
Chlorobenzene	ND	1.0							
1,1,1,2-Tetrachloroethane	ND	1.0							
Ethylbenzene	ND	1.0							
m+p Xylenes	ND	1.0							
o-Xylene	ND	1.0							
Styrene	ND	1.0							
Bromoform	ND	1.0							

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BL50960-BLK1) - Continued					Prepared: 12/10/2025 Analyzed: 12/10/2025				
Isopropylbenzene	ND	1.0							
1,1,2,2-Tetrachloroethane	ND	0.50							
Bromobenzene	ND	1.0							
1,2,3-Trichloropropane	ND	1.0							
n-Propylbenzene	ND	1.0							
2-Chlorotoluene	ND	1.0							
4-Chlorotoluene	ND	1.0							
1,3,5-Trimethylbenzene	ND	1.0							
tert-Butylbenzene	ND	1.0							
1,2,4-Trimethylbenzene	ND	1.0							
sec-Butylbenzene	ND	1.0							
1,3-Dichlorobenzene	ND	1.0							
4-Isopropyltoluene	ND	1.0							
1,4-Dichlorobenzene	ND	1.0							
1,2-Dichlorobenzene	ND	1.0							
n-Butylbenzene	ND	1.0							
1,2-Dibromo-3-Chloropropane	ND	1.0							
1,2,4-Trichlorobenzene	ND	1.0							
Hexachlorobutadiene	ND	0.45							
Naphthalene	ND	1.0							
1,2,3-Trichlorobenzene	ND	1.0							
Ethyl Ether	ND	25							
1,4-Dioxane	ND	100							
Surrogate: 1,2-Dichloroethane-d4					*85.6*	*70 - 130*			
Surrogate: Toluene-d8					*102*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene					*103*	*70 - 130*			
LCS (BL50960-BS1)					Prepared: 12/9/2025 Analyzed: 12/9/2025				
Dichlorodifluoromethane	53.2	10	50.000		106	70 - 130			
Chloromethane	50.0	2.7	50.000		100	70 - 130			
Vinyl Chloride	50.4	1.6	50.000		101	70 - 130			
Bromomethane	40.2	1.0	50.000		80.5	70 - 130			
Chloroethane	45.0	5.0	50.000		90.0	70 - 130			
Trichlorofluoromethane	36.1	25	50.000		72.1	70 - 130			
Acetone	68.3	50	100.000		**68.3**	70 - 130			**L**
Acrylonitrile	42.4	0.50	50.000		84.8	70 - 130			
Trichlorotrifluoroethane	42.8	25	50.000		85.5	70 - 130			
1,1-Dichloroethene	43.9	1.0	50.000		87.8	70 - 130			
t-Butanol	429	25	500.000		85.7	70 - 130			
Methylene Chloride	44.1	5.0	50.000		88.2	70 - 130			
Carbon Disulfide	38.0	1.0	50.000		76.1	70 - 130			
Methyl-t-Butyl Ether (MTBE)	42.7	5.0	50.000		85.5	70 - 130			
trans-1,2-Dichloroethene	44.2	1.0	50.000		88.3	70 - 130			
Di-isopropyl ether	43.7	1.0	50.000		87.3	70 - 130			
1,1-Dichloroethane	44.1	1.0	50.000		88.2	70 - 130			
t-Butyl ethyl ether	43.0	1.0	50.000		86.0	70 - 130			
2-Butanone (MEK)	76.4	25	100.000		76.4	70 - 130			
2,2-Dichloropropane	36.7	1.0	50.000		73.3	70 - 130			
cis-1,2-Dichloroethene	43.6	1.0	50.000		87.1	70 - 130			
Bromochloromethane	44.2	1.0	50.000		88.4	70 - 130			
Chloroform	43.6	1.0	50.000		87.1	70 - 130			
Tetrahydrofuran	47.1	4.0	50.000		94.2	70 - 130			
1,1,1-Trichloroethane	46.4	1.0	50.000		92.8	70 - 130			

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS (BL50960-BS1) - Continued					Prepared: 12/9/2025 Analyzed: 12/9/2025				
tert-Amyl methyl ether (TAME)	49.6	5.0	50.000		99.2	70 - 130			
Carbon Tetrachloride	49.6	1.0	50.000		99.3	70 - 130			
1,1-Dichloropropene	45.4	1.0	50.000		90.7	70 - 130			
Benzene	50.1	1.0	50.000		100	70 - 130			
1,2-Dichloroethane	44.4	1.0	50.000		88.9	70 - 130			
Trichloroethene	55.7	1.0	50.000		111	70 - 130			
1,2-Dichloropropane	52.2	1.0	50.000		104	70 - 130			
Dibromomethane	52.3	1.0	50.000		105	70 - 130			
Bromodichloromethane	47.8	0.50	50.000		95.6	70 - 130			
Methyl Isobutyl Ketone	91.8	25	100.000		91.8	70 - 130			
cis-1,3-Dichloropropene	48.0	0.50	50.000		96.0	70 - 130			
Toluene	48.1	1.0	50.000		96.2	70 - 130			
trans-1,3-Dichloropropene	48.0	0.50	50.000		96.0	70 - 130			
2-Hexanone	89.0	25	100.000		89.0	70 - 130			
1,1,2-Trichloroethane	49.2	1.0	50.000		98.5	70 - 130			
Tetrachloroethene	48.7	1.0	50.000		97.3	70 - 130			
1,3-Dichloropropane	50.1	0.50	50.000		100	70 - 130			
Dibromochloromethane	51.3	0.50	50.000		103	70 - 130			
1,2-Dibromoethane	50.4	0.50	50.000		101	70 - 130			
trans-1,4-Dichloro-2-Butene	36.3	10	50.000		72.6	70 - 130			
Chlorobenzene	50.4	1.0	50.000		101	70 - 130			
1,1,1,2-Tetrachloroethane	51.8	1.0	50.000		104	70 - 130			
Ethylbenzene	51.6	1.0	50.000		103	70 - 130			
m+p Xylenes	104	1.0	100.000		104	70 - 130			
o-Xylene	51.6	1.0	50.000		103	70 - 130			
Styrene	53.8	1.0	50.000		108	70 - 130			
Bromoform	54.1	1.0	50.000		108	70 - 130			
Isopropylbenzene	51.5	1.0	50.000		103	70 - 130			
1,1,2,2-Tetrachloroethane	47.6	0.50	50.000		95.2	70 - 130			
Bromobenzene	50.7	1.0	50.000		101	70 - 130			
1,2,3-Trichloropropane	51.0	1.0	50.000		102	70 - 130			
n-Propylbenzene	51.0	1.0	50.000		102	70 - 130			
2-Chlorotoluene	50.6	1.0	50.000		101	70 - 130			
4-Chlorotoluene	50.0	1.0	50.000		100	70 - 130			
1,3,5-Trimethylbenzene	51.1	1.0	50.000		102	70 - 130			
tert-Butylbenzene	52.4	1.0	50.000		105	70 - 130			
1,2,4-Trimethylbenzene	50.9	1.0	50.000		102	70 - 130			
sec-Butylbenzene	51.1	1.0	50.000		102	70 - 130			
1,3-Dichlorobenzene	51.5	1.0	50.000		103	70 - 130			
4-Isopropyltoluene	51.8	1.0	50.000		104	70 - 130			
1,4-Dichlorobenzene	49.5	1.0	50.000		99.1	70 - 130			
1,2-Dichlorobenzene	51.1	1.0	50.000		102	70 - 130			
n-Butylbenzene	48.1	1.0	50.000		96.2	70 - 130			
1,2-Dibromo-3-Chloropropane	51.4	1.0	50.000		103	70 - 130			
1,2,4-Trichlorobenzene	49.5	1.0	50.000		99.0	70 - 130			
Hexachlorobutadiene	47.9	0.45	50.000		95.7	70 - 130			
Naphthalene	48.7	1.0	50.000		97.5	70 - 130			
1,2,3-Trichlorobenzene	50.1	1.0	50.000		100	70 - 130			
Ethyl Ether	41.2	25	50.000		82.4	70 - 130			
Surrogate: 1,2-Dichloroethane-d4					*85.5*	*70 - 130*			
Surrogate: Toluene-d8					*96.4*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene					*102*	*70 - 130*			

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS Dup (BL50960-BSD1)					Prepared: 12/9/2025 Analyzed: 12/9/2025				
Dichlorodifluoromethane	47.8	10	50.000		95.6	70 - 130	10.7	20	
Chloromethane	45.6	2.7	50.000		91.1	70 - 130	9.35	20	
Vinyl Chloride	45.9	1.6	50.000		91.8	70 - 130	9.26	20	
Bromomethane	40.0	1.0	50.000		79.9	70 - 130	0.698	20	
Chloroethane	37.1	5.0	50.000		74.2	70 - 130	19.3	20	
Trichlorofluoromethane	34.8	25	50.000		69.6	70 - 130	3.59	20	**L**
Acetone	59.2	50	100.000		59.2	70 - 130	14.4	20	**L**
Acrylonitrile	38.3	0.50	50.000		76.6	70 - 130	10.1	20	
Trichlorotrifluoroethane	38.8	25	50.000		77.5	70 - 130	9.82	20	
1,1-Dichloroethene	40.9	1.0	50.000		81.9	70 - 130	6.93	20	
t-Butanol	382	25	500.000		76.3	70 - 130	11.6	20	
Methylene Chloride	37.9	5.0	50.000		75.7	70 - 130	15.3	20	
Carbon Disulfide	32.8	1.0	50.000		65.7	70 - 130	14.6	20	**L**
Methyl-t-Butyl Ether (MTBE)	38.8	5.0	50.000		77.5	70 - 130	9.74	20	
trans-1,2-Dichloroethene	39.2	1.0	50.000		78.3	70 - 130	12.0	20	
Di-isopropyl ether	43.6	1.0	50.000		87.1	70 - 130	0.252	20	
1,1-Dichloroethane	43.6	1.0	50.000		87.2	70 - 130	1.12	20	
t-Butyl ethyl ether	42.9	1.0	50.000		85.8	70 - 130	0.210	20	
2-Butanone (MEK)	76.5	25	100.000		76.5	70 - 130	0.144	20	
2,2-Dichloropropane	36.3	1.0	50.000		72.6	70 - 130	1.04	20	
cis-1,2-Dichloroethene	43.5	1.0	50.000		87.0	70 - 130	0.0919	20	
Bromochloromethane	43.5	1.0	50.000		86.9	70 - 130	1.73	20	
Chloroform	44.2	1.0	50.000		88.4	70 - 130	1.48	20	
Tetrahydrofuran	46.9	4.0	50.000		93.8	70 - 130	0.489	20	
1,1,1-Trichloroethane	47.7	1.0	50.000		95.4	70 - 130	2.76	20	
tert-Amyl methyl ether (TAME)	47.7	5.0	50.000		95.5	70 - 130	3.86	20	
Carbon Tetrachloride	49.9	1.0	50.000		99.8	70 - 130	0.523	20	
1,1-Dichloropropene	47.3	1.0	50.000		94.5	70 - 130	4.12	20	
Benzene	50.5	1.0	50.000		101	70 - 130	0.815	20	
1,2-Dichloroethane	44.5	1.0	50.000		89.1	70 - 130	0.202	20	
Trichloroethene	56.6	1.0	50.000		113	70 - 130	1.57	20	
1,2-Dichloropropane	52.0	1.0	50.000		104	70 - 130	0.365	20	
Dibromomethane	52.0	1.0	50.000		104	70 - 130	0.556	20	
Bromodichloromethane	50.8	0.50	50.000		102	70 - 130	6.17	20	
Methyl Isobutyl Ketone	92.4	25	100.000		92.4	70 - 130	0.717	20	
cis-1,3-Dichloropropene	48.3	0.50	50.000		96.6	70 - 130	0.602	20	
Toluene	50.2	1.0	50.000		100	70 - 130	4.37	20	
trans-1,3-Dichloropropene	48.3	0.50	50.000		96.6	70 - 130	0.602	20	
2-Hexanone	78.8	25	100.000		78.8	70 - 130	12.1	20	
1,1,2-Trichloroethane	47.1	1.0	50.000		94.2	70 - 130	4.42	20	
Tetrachloroethene	47.0	1.0	50.000		94.0	70 - 130	3.43	20	
1,3-Dichloropropane	44.4	0.50	50.000		88.9	70 - 130	12.0	20	
Dibromochloromethane	51.3	0.50	50.000		103	70 - 130	0.0974	20	
1,2-Dibromoethane	51.3	0.50	50.000		103	70 - 130	1.87	20	
trans-1,4-Dichloro-2-Butene	34.6	10	50.000		69.3	70 - 130	4.71	20	**L**
Chlorobenzene	50.5	1.0	50.000		101	70 - 130	0.238	20	
1,1,1,2-Tetrachloroethane	52.5	1.0	50.000		105	70 - 130	1.40	20	
Ethylbenzene	50.4	1.0	50.000		101	70 - 130	2.35	20	
m+p Xylenes	102	1.0	100.000		102	70 - 130	1.54	20	
o-Xylene	50.0	1.0	50.000		100	70 - 130	3.17	20	
Styrene	53.2	1.0	50.000		106	70 - 130	1.22	20	
Bromoform	54.3	1.0	50.000		109	70 - 130	0.350	20	
Isopropylbenzene	51.9	1.0	50.000		104	70 - 130	0.658	20	
1,1,2,2-Tetrachloroethane	46.0	0.50	50.000		92.0	70 - 130	3.38	20	

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS Dup (BL50960-BSD1) - Continued					Prepared: 12/9/2025 Analyzed: 12/9/2025				
Bromobenzene	48.3	1.0	50.000		96.7	70 - 130	4.85	20	
1,2,3-Trichloropropane	48.9	1.0	50.000		97.8	70 - 130	4.24	20	
n-Propylbenzene	50.5	1.0	50.000		101	70 - 130	0.946	20	
2-Chlorotoluene	49.8	1.0	50.000		99.6	70 - 130	1.49	20	
4-Chlorotoluene	49.5	1.0	50.000		98.9	70 - 130	1.07	20	
1,3,5-Trimethylbenzene	50.8	1.0	50.000		102	70 - 130	0.491	20	
tert-Butylbenzene	53.5	1.0	50.000		107	70 - 130	1.98	20	
1,2,4-Trimethylbenzene	50.3	1.0	50.000		101	70 - 130	1.07	20	
sec-Butylbenzene	50.9	1.0	50.000		102	70 - 130	0.255	20	
1,3-Dichlorobenzene	51.7	1.0	50.000		103	70 - 130	0.523	20	
4-Isopropyltoluene	52.1	1.0	50.000		104	70 - 130	0.616	20	
1,4-Dichlorobenzene	51.0	1.0	50.000		102	70 - 130	2.87	20	
1,2-Dichlorobenzene	52.1	1.0	50.000		104	70 - 130	1.94	20	
n-Butylbenzene	47.1	1.0	50.000		94.2	70 - 130	2.10	20	
1,2-Dibromo-3-Chloropropane	55.3	1.0	50.000		111	70 - 130	7.24	20	
1,2,4-Trichlorobenzene	51.9	1.0	50.000		104	70 - 130	4.79	20	
Hexachlorobutadiene	52.1	0.45	50.000		104	70 - 130	8.49	20	
Naphthalene	51.2	1.0	50.000		102	70 - 130	4.90	20	
1,2,3-Trichlorobenzene	53.3	1.0	50.000		107	70 - 130	6.19	20	
Ethyl Ether	40.0	25	50.000		79.9	70 - 130	3.01	20	
Surrogate: 1,2-Dichloroethane-d4					*84.7*	*70 - 130*			
Surrogate: Toluene-d8					*92.7*	*70 - 130*			
Surrogate: 4-Bromofluorobenzene					*104*	*70 - 130*			

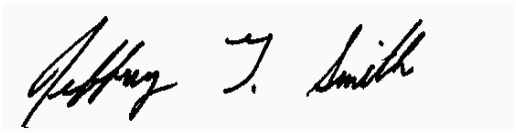
All questions related to this report should be directed to David Ditta, Timothy Fusco, or Jeffrey Smith at 203-377-9984.

Sincerely,



David Ditta
Laboratory Director

This technical report was reviewed by Jeffrey Smith



Project Manager

This report shall not be reproduced except in full, without the written approval of the laboratory

Report Comments:

Sample Result Flags:
E- The result is estimated, above the calibration range.
H- The surrogate recovery is above the control limits.
L- The surrogate recovery is below the control limits.
B- The compound was detected in the laboratory blank.
P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
+- The Surrogate was diluted out.
*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit
Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.
All analyses were performed in house unless a Reference Laboratory is listed.
Samples will be disposed of 30 days after the report date.

80 Lupes Drive
Stratford, CT 06615

COMPLETE ENVIRONMENTAL TESTING, INC.

Tel: (203) 377-9984
Fax: (203) 377-9952
email: cet1@cetlabs.com

Quality Control Definitions and Abbreviations

Internal Standard (IS)	An Analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Recovery	The % recovery for non-target organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration	An analytical standard analyzed with each set of samples to verify initial calibration of the system.
Batch	Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period.
ND	Not detected at or above the specified reporting limit.
RL	RL is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.
Dilution	Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate	Result from the duplicate analysis of a sample.
Result	Amount of analyte found in a sample.
Spike Level	Amount of analyte added to a sample
Matrix Spike Result	Amount of analyte found including amount that was spiked.
Matrix Spike Dup	Amount of analyte found in duplicate spikes including amount that was spike.
Matrix Spike % Recovery	% Recovery of spiked amount in sample.
Matrix Spike Dup % Recovery	% Recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between Matrix Spike and Matrix Spike Duplicate.
Blank	Method Blank that has been taken through all steps of the analysis.
LCS % Recovery	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Recovery Limits	A range within which specified measurements results must fall to be compliant.
CC	Calibration Verification

Flags:

- H- Recovery is above the control limits
- L- Recovery is below the control limits
- B- Compound detected in the Blank
- P- RPD of dual column results exceeds 40%
- #- Sample result too high for accurate spike recovery.

NELAP ACCREDITED TNI LABORATORY

Connecticut Laboratory Certification PH0116
Massachussets Laboratory Certification M-CT903
Pennsylvania NELAP Accreditation 68-02927

New York NELAP Accreditation 11982
Rhode Island Certification 199

Bureau of Water Protection and Land Reuse
Remediation Division

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Complete Environmental Testing, Inc. ***Client:*** WSP USA, Inc.

Project Location: Pine St, Trumbull ***Project Number:***

Sample Date(s): ***Laboratory Sample ID(s):***

12/03/2025 25L0167-01 thru 25L0167-02

List RCP Methods Used:

CT-ETPH, EPA 8081B, EPA 8260D, EPA 8270E

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method-specified preservation and holding time requirements met?	☑ Yes ☐ No
1B	VPH and EPH Methods Only: Was the VPH or EPH method conducted without significant modifications (See respective RCPs)	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (<6° C)? If samples were received by the laboratory on the same day of collection and were stored and transported to the laboratory on ice, cooler temperatures above 6°C are acceptable.	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CT DEEP Reasonable Confidence Protocol documents achieved?	☐ Yes ☑ No
5	Were reporting limits / limits of quantitation specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5a	Were these reporting limits / limits of quantitation met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set for applicable RCPs?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence." This form may not be altered, and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:  **Position:** Laboratory Director

Printed Name: David Ditta **Date:** 12/12/2025

Name of Laboratory: Complete Environmental Testing, Inc.

This certification form is to be used for RCP methods only.

RCP Case Narrative

4- See Exceptions Report Below

6- The client requested a subset of the RCP 8270 list.
The client requested a subset of the RCP Metals list.

7- Project-specific QC was not requested by the client.

4- Exceptions Report

Analyte	QC Type	Exception	Result	RPD	Recovery (%)	Batch/Sequence Sample ID
Acetone	LCS	Low	68.3		68.3	BL50960
Acetone	LCS DUP	Low	59.2		59.2	BL50960-BSD1
Carbon Disulfide	LCS DUP	Low	32.8		65.7	BL50960-BSD1
trans-1,4-Dichloro-2-Butene	LCS DUP	Low	34.6		69.3	BL50960-BSD1
Trichlorofluoromethane	LCS DUP	Low	34.8		69.6	BL50960-BSD1
2,2-Dichloropropane	CC	Low	36.7		73.3	S5L1027
2-Butanone (MEK)	CC	Low	76.4		76.4	S5L1027
Acetone	CC	Low	68.3		68.3	S5L1027
Carbon Disulfide	CC	Low	38.0		76.1	S5L1027
trans-1,4-Dichloro-2-Butene	CC	Low	36.3		72.6	S5L1027
Trichlorofluoromethane	CC	Low	36.1		72.1	S5L1027

QC Batch/Sequence Report

Batch	Sequence	CET ID	Sample ID	Specific Method	Matrix	Collection Date
BL50507	S5L0829	25L0167-01	MW-1	CT-ETPH	Water	12/03/2025
BL50507	S5L0829	25L0167-02	MW-2	CT-ETPH	Water	12/03/2025
BL50952	S5L1033	25L0167-01	MW-1	EPA 200.7	Water	12/03/2025
BL50952	S5L1033	25L0167-02	MW-2	EPA 200.7	Water	12/03/2025
BL50806		25L0167-01	MW-1	EPA 245.1	Water	12/03/2025
BL50806		25L0167-02	MW-2	EPA 245.1	Water	12/03/2025
BL50941	S5L1203	25L0167-01	MW-1	EPA 8081B	Water	12/03/2025
BL50941	S5L1203	25L0167-02	MW-2	EPA 8081B	Water	12/03/2025
BL50960	S5L1027	25L0167-01	MW-1	EPA 8260D	Water	12/03/2025
BL50960	S5L1027	25L0167-02	MW-2	EPA 8260D	Water	12/03/2025
BL50512	S5L0518	25L0167-01	MW-1	EPA 8270E	Water	12/03/2025
BL50512	S5L0518	25L0167-02	MW-2	EPA 8270E	Water	12/03/2025

Certified Analyses included in this Report

Analyte	Certifications
CT-ETPH in Water	
ETPH	CT,RI
EPA 200.7 in Water	
Lead	CT,MA,RI
Cadmium	CT,MA,RI
Arsenic	CT,MA,RI
Copper	CT,MA,RI
Nickel	CT,MA,RI
EPA 245.1 in Water	
Mercury	CT,MA,RI
EPA 8081B in Water	
Alpha-BHC	CT
Gamma-BHC	CT
Heptachlor	CT
Aldrin	CT
Beta-BHC	CT
Delta-BHC	CT
Heptachlor Epoxide	CT
Endosulfan I	CT
4,4-DDE	CT
Dieldrin	CT
Endrin	CT
4,4-DDD	CT
Endosulfan II	CT
4,4-DDT	CT
Endrin Aldehyde	CT
4,4-Methoxychlor	CT
Endosulfan Sulfate	CT
Endrin Ketone	CT
Chlordane	CT
Toxaphene	CT
Alachlor	CT
EPA 8260D in Water	
Dichlorodifluoromethane	NY
Chloromethane	CT,NY
Vinyl Chloride	CT,NY
Bromomethane	CT,NY
Chloroethane	CT,NY
Trichlorofluoromethane	CT,NY
Acetone	CT,NY
Acrylonitrile	CT
Trichlorotrifluoroethane	CT,NY
1,1-Dichloroethene	CT,NY
Methylene Chloride	CT,NY
Carbon Disulfide	CT,NY
Methyl-t-Butyl Ether (MTBE)	CT,NY
trans-1,2-Dichloroethene	CT,NY
1,1-Dichloroethane	CT,NY
2-Butanone (MEK)	CT,NY

Certified Analyses included in this Report

Analyte	Certifications
EPA 8260D in Water	
2,2-Dichloropropane	NY
cis-1,2-Dichloroethene	CT,NY
Bromochloromethane	NY
Chloroform	CT,NY
1,1,1-Trichloroethane	CT,NY
Carbon Tetrachloride	CT,NY
1,1-Dichloropropene	NY
Benzene	CT,NY
1,2-Dichloroethane	CT,NY
Trichloroethene	CT,NY
1,2-Dichloropropane	CT,NY
Dibromomethane	NY
Bromodichloromethane	CT,NY
Methyl Isobutyl Ketone	CT,NY
cis-1,3-Dichloropropene	CT,NY
Toluene	CT,NY
trans-1,3-Dichloropropene	CT,NY
2-Hexanone	CT,NY
1,1,2-Trichloroethane	CT,NY
Tetrachloroethene	CT,NY
1,3-Dichloropropane	NY
Dibromochloromethane	CT,NY
1,2-Dibromoethane	CT,NY
trans-1,4-Dichloro-2-Butene	NY
Chlorobenzene	CT,NY
1,1,1,2-Tetrachloroethane	CT,NY
Ethylbenzene	CT,NY
m+p Xylenes	CT,NY
o-Xylene	CT,NY
Styrene	CT,NY
Bromoform	CT,NY
Isopropylbenzene	CT,NY
1,1,2,2-Tetrachloroethane	CT,NY
Bromobenzene	NY
1,2,3-Trichloropropane	NY
n-Propylbenzene	CT,NY
2-Chlorotoluene	CT,NY
4-Chlorotoluene	CT,NY
1,3,5-Trimethylbenzene	CT,NY
tert-Butylbenzene	CT,NY
1,2,4-Trimethylbenzene	CT,NY
sec-Butylbenzene	CT,NY
1,3-Dichlorobenzene	CT,NY
4-Isopropyltoluene	CT,NY
1,4-Dichlorobenzene	CT,NY
1,2-Dichlorobenzene	CT,NY
n-Butylbenzene	CT,NY
1,2-Dibromo-3-Chloropropane	CT,NY
1,2,4-Trichlorobenzene	NY

Certified Analyses included in this Report

Analyte	Certifications
EPA 8260D in Water	
Hexachlorobutadiene	NY
Naphthalene	NY
1,2,3-Trichlorobenzene	NY
1,4-Dioxane	CT
EPA 8270E in Water	
Naphthalene	CT
2-Methyl Naphthalene	CT
Acenaphthylene	CT
Acenaphthene	CT
Fluorene	CT
Phenanthrene	CT
Anthracene	CT
Fluoranthene	CT
Pyrene	CT
Benzo[a]anthracene	CT
Chrysene	CT
Benzo[b]fluoranthene	CT
Benzo[k]fluoranthene	CT
Benzo[a]pyrene	CT
Indeno[1,2,3-cd]pyrene	CT
Dibenz[a,h]anthracene	CT
Benzo[g,h,i]perylene	CT

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2026
MA	Massachusetts Laboratory Certification	M-CT903	06/30/2026
NY	New York Certification (NELAC)	11982	04/01/2026
RI	Rhode Island Certification	LAO 00227	12/30/2025

25L0167

CET

COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

Volatile Soils Only:

Date and Time in Freezer
Client:
CET:

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cetservices@cetlabs.com
e-mail: bottleorders@cetlabs.com

Matrix: A= Air, S= Soil, W=Water, DW= Drinking Water, C= Cassette, Solid, Wipe, Other (Specify)

Turnaround Time** (check one): Same Day *, Next Day *, Two Day *, Three Day *, Standard ***

Sample ID/Sample Depths (include Units for any sample depths provided)	Collection Date/Time	Matrix	Same Day *	Next Day *	Two Day *	Three Day *	Standard ***	8260 Volatile Organics	8260 Aromatics	8260 Halogens	1,4 Dioxane 8260	8270 Semi-Volatile Organics	8270 PNAs/PAH	PCBs	Pesticides	Herbicides	CT ETPH	MA EPH ☐ Targets	Metals: RCRA 8 Metals	Priority Poll. 13 Metals	CT DEEP 15 Metals	Total	Dissolved	Field Filter ☐ Lab Filter ☐	SPLP	TCLP	Additional Analysis: *Metals	TOTAL # OF CONT.	NOTE #
MW-1	12/3/25 1330	W					X	X					X		X		X									X		
MW-2	12/3/25 1225	W					X	X					X		X		X									X		
PRESERVATIVE (Cl-HCl, N-HNO_3, S-H_2SO_4, Na-NaOH, C=Cool, O-Other)								e					G		C		C									N		
CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other)								V					C		G		G									P		
Soil VOCs Only (M=MeOH S=Stir Bar W=Water E=Encore)																												

RELINQUISHED BY: Melanie Shepard DATE/TIME: 12/3/25 1445 RECEIVED BY: Shelton refrigerator

RELINQUISHED BY: FRIDGE DATE/TIME: 12-4-25 1025 RECEIVED BY:

RELINQUISHED BY: DATE/TIME: 12/4/25 16:00 RECEIVED BY: Catt 12/4/25 16:00

NOTES: * Total metals: As, Cd, Cu, Pb, Hg & Ni *

Client / Reporting Information

Company Name: WSP

Address: 6 Research Drive Ste 260

City: Shelton State: CT Zip: 06484

Report To: Darrick Jones E-mail: darrick.jones@wsp.com

Phone #: 203-929-8555

Tax Status: ☐ Exempt

Project Information

Project: Pine Street PO #: P1446445001

Location: Trumbull, CT Project #:

CET Quote # Collector(s): M-Sheperd

QA/QC ☒ Std ☐ Site Specific (MS/MSD) * ☒ RCP Pkg ☐ DQAW

Data Report ☒ PDF ☒ EDD - Specify Format Other

Reporting Limits: GWPC / RVC Disposal Facility:

Laboratory Certification Needed (check one) ☒ CT ☐ NY ☐ RI ☐ MA ☐ PA

Temp Upon Receipt 1.2 °C Evidence of Cooling: Y N

PAGE 1 OF 1

* Additional Charges apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day. All samples picked up by courier service will be considered next business day receipt for TAT purposes. *** Standard TAT is 5-7 business days.

REV 07/25

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

Client: Mr. Darrick Jones
WSP USA, Inc.
4 Research Dr. Suite 204
Shelton, CT 06484

Analytical Report

CET# 25L0391

Report Date:December 18, 2025
Project: Sycamore, Trumbull

Connecticut Laboratory Certificate: PH 0116
Massachusetts Laboratory Certificate: M-CT903
Rhode Island Laboratory Certificate: 199

New York NELAP Accreditation: 11982
Pennsylvania Laboratory Certificate: 68-02927

SAMPLE SUMMARY

The sample(s) were received at 5.1°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
TP-8 (6.5ft)	25L0391-01	Soil	11/18/2025 10:40	11/20/2025
TP-9 (4ft)	25L0391-02	Soil	11/18/2025 10:58	11/20/2025
TP-13 (Ex)	25L0391-03	Soil	11/18/2025 12:02	11/20/2025

Client Sample ID TP-8 (6.5ft)

Lab ID: 25L0391-01

SPLP ETPH **Analyst: CGS**

Method: CT-ETPH-1312 **Matrix: Soil**

Analyte	Result (mg/L)	RL (mg/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
ETPH	ND	0.10	1	EPA 3535A	BL51703	12/17/2025	12/17/2025 16:59	
Surrogate: Octacosane	*66.6 %*	*50 - 150*			BL51703	12/17/2025	*12/17/2025 16:59*	

Client Sample ID TP-9 (4ft)

Lab ID: 25L0391-02

SPLP Semivolatiles **Analyst: MJH**

Method: EPA 8270E-1312 **Matrix: Extract**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
2-Methyl Naphthalene	ND	1.0	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
Acenaphthylene	ND	0.30	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
Acenaphthene	ND	1.0	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
Fluorene	ND	1.0	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
Phenanthrene	ND	0.077	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
Anthracene	ND	1.0	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
Fluoranthene	ND	1.0	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
Pyrene	ND	1.0	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
Benzo[a]anthracene	ND	0.060	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
Chrysene	ND	1.0	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
Benzo[b]fluoranthene	ND	0.080	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
Benzo[k]fluoranthene	ND	0.30	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
Benzo[a]pyrene	ND	0.20	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
Dibenz[a,h]anthracene	ND	0.10	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
Benzo[g,h,i]perylene	ND	0.40	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:06	
Surrogate: Nitrobenzene-d5	*55.0 %*		*30 - 130*		BL51633	12/16/2025	*12/17/2025 13:06*	
Surrogate: 2-Fluorobiphenyl	*60.6 %*		*30 - 130*		BL51633	12/16/2025	*12/17/2025 13:06*	
Surrogate: Terphenyl-d14	*67.6 %*		*30 - 130*		BL51633	12/16/2025	*12/17/2025 13:06*	

Client Sample ID TP-13 (Ex)

Lab ID: 25L0391-03

SPLP Semivolatiles **Analyst: MJH**

Method: EPA 8270E-1312 **Matrix: Extract**

Analyte	Result (ug/L)	RL (ug/L)	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
Naphthalene	ND	1.0	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
2-Methyl Naphthalene	ND	1.0	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
Acenaphthylene	ND	0.30	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
Acenaphthene	ND	1.0	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
Fluorene	ND	1.0	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
Phenanthrene	**0.61**	0.077	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
Anthracene	ND	1.0	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
Fluoranthene	ND	1.0	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
Pyrene	ND	1.0	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
Benzo[a]anthracene	ND	0.060	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
Chrysene	ND	1.0	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
Benzo[b]fluoranthene	ND	0.080	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
Benzo[k]fluoranthene	ND	0.30	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
Benzo[a]pyrene	ND	0.20	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
Indeno[1,2,3-cd]pyrene	ND	0.10	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
Dibenz[a,h]anthracene	ND	0.10	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
Benzo[g,h,i]perylene	ND	0.40	1	EPA 3510C	BL51633	12/16/2025	12/17/2025 13:31	
Surrogate: Nitrobenzene-d5	*60.6 %*		*30 - 130*		BL51633	12/16/2025	*12/17/2025 13:31*	
Surrogate: 2-Fluorobiphenyl	*68.0 %*		*30 - 130*		BL51633	12/16/2025	*12/17/2025 13:31*	
Surrogate: Terphenyl-d14	*73.6 %*		*30 - 130*		BL51633	12/16/2025	*12/17/2025 13:31*	

QUALITY CONTROL SECTION

Batch BL51633 - EPA 8270E

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BL51633-BLK1)					Prepared: 12/16/2025 Analyzed: 12/17/2025				
Naphthalene	ND	10							
2-Methyl Naphthalene	ND	10							
Acenaphthylene	ND	3.0							
Acenaphthene	ND	10							
Fluorene	ND	10							
Phenanthrene	ND	0.77							
Anthracene	ND	10							
Fluoranthene	ND	10							
Pyrene	ND	10							
Benzo[a]anthracene	ND	0.60							
Chrysene	ND	10							
Benzo[b]fluoranthene	ND	0.80							
Benzo[k]fluoranthene	ND	3.0							
Benzo[a]pyrene	ND	2.0							
Indeno[1,2,3-cd]pyrene	ND	1.0							
Dibenz[a,h]anthracene	ND	1.0							
Benzo[g,h,i]perylene	ND	4.0							
Surrogate: Nitrobenzene-d5					*65.2*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*74.0*	*30 - 130*			
Surrogate: Terphenyl-d14					*74.8*	*30 - 130*			
LCS (BL51633-BS1)					Prepared: 12/16/2025 Analyzed: 12/17/2025				
Naphthalene	16.5	10	20.000		82.5	40 - 140			
2-Methyl Naphthalene	16.5	10	20.000		82.5	40 - 140			
Acenaphthylene	16.9	3.0	20.000		84.5	40 - 140			
Acenaphthene	17.4	10	20.000		87.0	40 - 140			
Fluorene	17.9	10	20.000		89.5	40 - 140			
Phenanthrene	17.8	0.77	20.000		89.0	40 - 140			
Anthracene	18.6	10	20.000		93.0	40 - 140			
Fluoranthene	20.2	10	20.000		101	40 - 140			
Pyrene	19.9	10	20.000		99.5	40 - 140			
Benzo[a]anthracene	18.1	0.60	20.000		90.5	40 - 140			
Chrysene	19.5	10	20.000		97.5	40 - 140			
Benzo[b]fluoranthene	20.8	0.80	20.000		104	40 - 140			
Benzo[k]fluoranthene	20.2	3.0	20.000		101	40 - 140			
Benzo[a]pyrene	20.2	2.0	20.000		101	40 - 140			
Indeno[1,2,3-cd]pyrene	20.3	1.0	20.000		102	40 - 140			
Dibenz[a,h]anthracene	19.7	1.0	20.000		98.5	40 - 140			
Benzo[g,h,i]perylene	19.3	4.0	20.000		96.5	40 - 140			
Surrogate: Nitrobenzene-d5					*78.2*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*83.0*	*30 - 130*			
Surrogate: Terphenyl-d14					*87.4*	*30 - 130*			
LCS Dup (BL51633-BSD1)					Prepared: 12/16/2025 Analyzed: 12/17/2025				
Naphthalene	14.8	10	20.000		74.0	40 - 140	10.9	20	
2-Methyl Naphthalene	14.7	10	20.000		73.5	40 - 140	11.5	20	
Acenaphthylene	15.2	3.0	20.000		76.0	40 - 140	10.6	20	
Acenaphthene	15.4	10	20.000		77.0	40 - 140	12.2	20	
Fluorene	15.9	10	20.000		79.5	40 - 140	11.8	20	

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
LCS Dup (BL51633-BSD1) - Continued					Prepared: 12/16/2025 Analyzed: 12/17/2025				
Phenanthrene	16.4	0.77	20.000		82.0	40 - 140	8.19	20	
Anthracene	16.9	10	20.000		84.5	40 - 140	9.58	20	
Fluoranthene	18.9	10	20.000		94.5	40 - 140	6.65	20	
Pyrene	18.7	10	20.000		93.5	40 - 140	6.22	20	
Benzo[a]anthracene	17.7	0.60	20.000		88.5	40 - 140	2.23	20	
Chrysene	19.1	10	20.000		95.5	40 - 140	2.07	20	
Benzo[b]fluoranthene	19.7	0.80	20.000		98.5	40 - 140	5.43	20	
Benzo[k]fluoranthene	20.4	3.0	20.000		102	40 - 140	0.985	20	
Benzo[a]pyrene	19.9	2.0	20.000		99.5	40 - 140	1.50	20	
Indeno[1,2,3-cd]pyrene	19.1	1.0	20.000		95.5	40 - 140	6.09	20	
Dibenz[a,h]anthracene	19.0	1.0	20.000		95.0	40 - 140	3.62	20	
Benzo[g,h,i]perylene	18.6	4.0	20.000		93.0	40 - 140	3.69	20	
Surrogate: Nitrobenzene-d5					*72.0*	*30 - 130*			
Surrogate: 2-Fluorobiphenyl					*76.2*	*30 - 130*			
Surrogate: Terphenyl-d14					*91.2*	*30 - 130*			

CET # : 25L0391

Project: Sycamore, Trumbull

Batch BL51703 - CT-ETPH

Analyte	Result (mg/L)	RL (mg/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (BL51703-BLK1)					Prepared: 12/17/2025 Analyzed: 12/17/2025				
ETPH	ND	0.10							
Surrogate: Octacosane					*64.5*	*50 - 150*			
LCS (BL51703-BS1)					Prepared: 12/17/2025 Analyzed: 12/17/2025				
ETPH	1.21	0.10	2.000		60.7	60 - 120			
Surrogate: Octacosane					*75.8*	*50 - 150*			
LCS Dup (BL51703-BSD1)					Prepared: 12/17/2025 Analyzed: 12/18/2025				
ETPH	1.24	0.10	2.000		61.9	60 - 120	2.12	30	
Surrogate: Octacosane					*75.2*	*50 - 150*			

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Jeffrey Smith at 203-377-9984.

Sincerely,



David Ditta
Laboratory Director

This technical report was reviewed by Timothy Fusco



Project Manager

This report shall not be reproduced except in full, without the written approval of the laboratory

Report Comments:

Sample Result Flags:
E- The result is estimated, above the calibration range.
H- The surrogate recovery is above the control limits.
L- The surrogate recovery is below the control limits.
B- The compound was detected in the laboratory blank.
P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
+- The Surrogate was diluted out.
*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
*I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit
Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.
All analyses were performed in house unless a Reference Laboratory is listed.
Samples will be disposed of 30 days after the report date.

CET # : 25L0391
Project: Sycamore, Trumbull

80 Lupes Drive
Stratford, CT 06615

COMPLETE ENVIRONMENTAL TESTING, INC.

Tel: (203) 377-9984
Fax: (203) 377-9952
email: cet1@cetlabs.com

Quality Control Definitions and Abbreviations

Internal Standard (IS)	An Analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Recovery	The % recovery for non-target organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration	An analytical standard analyzed with each set of samples to verify initial calibration of the system.
Batch	Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period.
ND	Not detected at or above the specified reporting limit.
RL	RL is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.
Dilution	Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate	Result from the duplicate analysis of a sample.
Result	Amount of analyte found in a sample.
Spike Level	Amount of analyte added to a sample
Matrix Spike Result	Amount of analyte found including amount that was spiked.
Matrix Spike Dup	Amount of analyte found in duplicate spikes including amount that was spike.
Matrix Spike % Recovery	% Recovery of spiked amount in sample.
Matrix Spike Dup % Recovery	% Recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between Matrix Spike and Matrix Spike Duplicate.
Blank	Method Blank that has been taken through all steps of the analysis.
LCS % Recovery	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Recovery Limits	A range within which specified measurements results must fall to be compliant.
CC	Calibration Verification

Flags:

- H- Recovery is above the control limits
- L- Recovery is below the control limits
- B- Compound detected in the Blank
- P- RPD of dual column results exceeds 40%
- #- Sample result too high for accurate spike recovery.

NELAP ACCREDITED TNI LABORATORY

Connecticut Laboratory Certification PH0116
Massachussets Laboratory Certification M-CT903
Pennsylvania NELAP Accreditation 68-02927

New York NELAP Accreditation 11982
Rhode Island Certification 199

Bureau of Water Protection and Land Reuse
Remediation Division

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Complete Environmental Testing, Inc. ***Client:*** WSP USA, Inc.

Project Location: Sycamore, Trumbull ***Project Number:***

Sample Date(s): ***Laboratory Sample ID(s):***

11/18/2025 25L0391-01 thru 25L0391-03

List RCP Methods Used:

CT-ETPH, EPA 1312, EPA 8270E

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents?	☑ Yes ☐ No
1A	Were the method-specified preservation and holding time requirements met?	☐ Yes ☑ No
1B	VPH and EPH Methods Only: Was the VPH or EPH method conducted without significant modifications (See respective RCPs)	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (<6° C)? If samples were received by the laboratory on the same day of collection and were stored and transported to the laboratory on ice, cooler temperatures above 6°C are acceptable.	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the CT DEEP Reasonable Confidence Protocol documents achieved?	☑ Yes ☐ No
5	Were reporting limits / limits of quantitation specified or referenced on the chain-of-custody?	☑ Yes ☐ No
5a	Were these reporting limits / limits of quantitation met?	☑ Yes ☐ No
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	☐ Yes ☑ No
7	Are project-specific matrix spikes and laboratory duplicates included in this data set for applicable RCPs?	☐ Yes ☑ No

Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence." This form may not be altered, and all questions must be answered.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized Signature:  **Position:** Laboratory Director

Printed Name: David Ditta **Date:** 12/18/2025

Name of Laboratory: Complete Environmental Testing, Inc.

This certification form is to be used for RCP methods only.

RCP Case Narrative

1A- Sample(s) analyzed past hold time, per client request.

6- The client requested a subset of the RCP 8270 list.

7- Project-specific QC was not requested by the client.

QC Batch/Sequence Report

Batch	Sequence	CET ID	Sample ID	Specific Method	Matrix	Collection Date
BL51703	S5L1817	25L0391-01	TP-8 (6.5ft)	CT-ETPH	Soil	11/18/2025
BL51638		25L0391-01	TP-8 (6.5ft)	EPA 1312	Soil	11/18/2025
BL51638		25L0391-02	TP-9 (4ft)	EPA 1312	Soil	11/18/2025
BL51638		25L0391-03	TP-13 (Ex)	EPA 1312	Soil	11/18/2025
BL51633	S5L1718	25L0391-02	TP-9 (4ft)	EPA 8270E	Soil	11/18/2025
BL51633	S5L1718	25L0391-03	TP-13 (Ex)	EPA 8270E	Soil	11/18/2025

Megan Carpenter

From: Jones, Darrick <Darrick.Jones@wsp.com>
Sent: Thursday, December 11, 2025 8:55 AM
To: CET Services
Subject: RE: CET# 25K0631 FINAL

Sorry, I neglected one sample:
SPLP ETPH for TP-8 1(6.5 ft) 25K0631-10

Please run regardless of hold time issues.

From: Jones, Darrick
Sent: Thursday, December 11, 2025 8:50 AM
To: CET Services <cetservices@cetlabs.com>
Subject: RE: CET# 25K0631 FINAL

Hi,
Can you please run SPLP PAHs on the following:
TP-9 (4ft) 25K0631-12
TP-13 (Ex) 25K0631-19

Thank you,
Darrick

From: CET Services <cetservices@cetlabs.com>
Sent: Tuesday, December 2, 2025 5:40 PM
To: Jones, Darrick <Darrick.Jones@wsp.com>
Subject: CET# 25K0631 FINAL

Good afternoon,

Your technical report from Complete Environmental Testing is attached. These results will also be available on our Client Connect portal found at https://results.cetlabs.com/

Should you have any questions regarding this report please feel free to contact the laboratory.

Give us your feedback: Survey

Have a great day,

Complete Environmental Testing, Inc.
80 Lupes Drive
Stratford, CT 06615
203-377-9984

This e-mail and any attachments contain CET confidential information that may be proprietary or privileged. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this

25L0391

CHAIN OF CUSTODY

COMPLETE ENVIRONMENTAL TESTING, INC.

Volatile Soils Only:
Date and Time in Freezer
Client:
CET: [redacted] 11/20/25 1600

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cetservices@cetlabs.com
e-mail: bottleorders@cetlabs.com

Matrix: A=Air, S=Soil, W=Water, DW=Drinking Water, C=Cassette Solid, Wipe, Other (Specify)

Turnaround Time** (check one): Same Day*, Next Day*, Two Day*, Three Day*, Standard***

Metals: RCRA 8 Metals; Priority Poll. 13 Metals; CT DEEP 15 Metals; Total; Dissolved; Field Filter ☐ Lab Filter ☐; SPLP Metals; TCLP

Additional Analysis: SPLP Pesticides; SPLP PAHs

Sample ID/Sample Depths (include Units for any sample depths provided)	Collection Date/Time	Matrix	Same Day*	Next Day*	Two Day*	Three Day*	Standard***	8260 Volatile Organics	8260 Aromatics	8260 Halogens	1,4 Dioxane 8260	8270 Semi-Volatile Organics	8270 PNAs/PAH	PCBs	Pesticides	Herbicides	CT ETPH	MA EPH ☐ Targets	RCRA 8 Metals	Priority Poll. 13 Metals	CT DEEP 15 Metals	Total	Dissolved	Field Filter ☐ Lab Filter ☐	SPLP Metals	TCLP	SPLP Pesticides	SPLP PAHs	TOTAL # OF CONT.	NOTE #
TP-1 (1')	11/18/25 8:30	Soil					X						X		X		X					X								
TP-2 (4')	8:40							X					X	X	X		X					X								
TP-3 (2')	9:00												X		X		X					X								
TP-3 (5.5')	9:05							X					X				X													
TP-4 (5')	9:17																								X		X	X		
TP-5 (3.5')	9:32												X																	
TP-6 (4.5')	9:55							X				X		X	X										X			X		
TP-7 (3.5')	10:15							X					X				X								X		X	X		
TP-8 (3.5')	10:35												X				X													
TP-8 (6.5')	10:40												X				X													

PRESERVATIVE (CI-HCl, N-HNO3, S-H2SO4, Na-NaOH, C=Cool, O-Other)

CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other)

Soil VOCs Only (M=MeOH S=Stir Bar W=Water E=Encore)

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[redacted]	11/18/25 13:50	WSP Refrigerator
WSP Refrigerator	11/20/25 11:30	[redacted]
[redacted]	11/20/25 12:03	[redacted] 11/20/25 1205

NOTES:
soil metals: As, Cd, Cu, Pb, Hg

VOAs in freezer

Client / Reporting Information

Company Name: WSP
Address: 6 Research Dr
City: Shelton State: CT Zip:
Report To: Danielle Jones E-mail: danielle.jones@wsp.com
Phone #:
Tax Status: ☐ Exempt

Project Information

Project: Sycamore PO #:
Location: Tarrabull Project #:
CET Quote #: Collector(s): DFJ
QA/QC ☐ Std ☐ Site Specific (MS/MSD)* ☒ RCP Pkg ☐ DQAW
Data Report ☒ PDF ☐ EDD - Specify Format Other
Reporting Limits: GA GWPC/RDEC Disposal Facility:
Laboratory Certification Needed (check one) ☒ CT ☐ NY ☐ RI ☐ MA ☐ PA
Temp Upon Receipt: [redacted] °C Evidence of Cooling: Y N

PAGE 1 OF 2

* Additional Charges apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day. All samples picked up by courier service will be considered next business day receipt for TAT purposes. *** Standard TAT is 5-7 business days.

REV 07/25

25L0391

CHAIN OF CUSTODY

COMPLETE ENVIRONMENTAL TESTING, INC.

Volatile Soils Only:
Date and Time In Freezer
Client:
CET: [redacted] 11/20/25 [redacted]

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cetservices@cetlabs.com
e-mail: bottleorders@cetlabs.com

Matrix: A=Air, S=Soil, W=Water, DW=Drinking Water, C=Cassette, Solid, Wipe, Other (Specify)

Turnaround Time** (check one): Same Day* | Next Day* | Two Day* | Three Day* | Standard ---

Sample ID/Sample Depths (include Units for any sample depths provided)	Collection Date/Time	Matrix	8260 Volatile Organics	8260 Aromatics	8260 Halogens	1,4 Dioxane 8260	8270 Semi-Volatile Organics	8270 PNAs/PAH	PCBs	Pesticides	Herbicides	CT ETPH	MA EPH ☐ Targets	Metals: RCRA 8 Metals	Priority Poll. 13 Metals	CT DEEP 15 Metals	Total	Dissolved	Field Filter ☐ Lab Filter ☐	SPLP Metals	TCLP	Additional Analysis: SPLP Pesticides	SPLP PAH	TOTAL # OF CONT.	NOTE #
TP-9 (1.5')	11/18/25 10:51	Soil										X													
TP-9 (4')	10:57							X				X													
TP-10 (3')	11:12							X																	
TP-11 (1.5')	11:28																			X		X	X		
TP-11 (6')	11:37						X																		
TP-12 (2')	11:44																								
TP-13 (1.5')	11:58		X					X				X													
TP-13 (5')	12:05		X									X								X		X	X		
TP-13 (Ex)	12:07		X					X	X			X													

PRESERVATIVE (Cl-HCl, N-HNO_3, S-H_2SO_4, Na-NaOH, C=Cool, O-Other)

CONTAINER TYPE (P-Plastic, G-Glass, V-Vial, O-Other)

Soil VOCs Only (M=MeOH S=Stir Bar W=Water E=Encore)

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
[signature]	11/18/25 13:30	WSP Refrigerator
WSP Refrigerator	11/20/25 11:30	[signature]
[signature]	11/20/25 12:03	RLEE 11/20/25 1205

NOTES:
SPLP metals: As, Cd, Cr, Pb, Hg, Ni
VOAs in Encore

Client / Reporting Information

Company Name: WSP
Address: Shelton CT
City / State / Zip
Report To: Derrick Young
E-mail
Phone #
Tax Status: ☐ Exempt

Project Information

Project: Sycamore — PO #:
Location: Trumbull — Project #:
CET Quote # — Collector(s): DFS
QA/QC ☐ Std ☐ Site Specific (MS/MSD)* ☒ RCP Pkg ☐ DQAW
Data Report ☒ PDF ☐ EDD - Specify Format — Other
Reporting Limits: GPRC / RDEC — Disposal Facility:
Laboratory Certification Needed (check one) ☒ CT ☐ NY ☐ RI ☐ MA ☐ PA
Temp Upon Receipt [redacted] °C — Evidence of Cooling: (Y) N

PAGE 2 OF 2

* Additional Charges apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day. All samples picked up by courier service will be considered next business day receipt for TAT purposes. *** Standard TAT is 5-7 business days.

REV 07/25