



IW-25-17

Inland Wetlands

Status: Active

Submitted On: 10/23/2025

Primary Location

206 BOLTON CENTER RD
BOLTON, CT 06043

Owner

No owner information

Applicant

Wade Thomas
 860-526-9591 ext. 233
 wthomas@nlja.com
 P.O. Box 337
86 Main Street
Chester, CT 06412

Internal Use

Conditions

Petition Received?

—

Date Received

—

Date of Newspaper Publication of Inland/Wetlands
Commission Action

—

Summary of Inland/Wetlands Commission Action

Bond Required?

—

Parcels Included in Project

MBL / Parcel ID

Parcel ID 1970

MBL / Parcel ID

Parcel ID 881

MBL / Parcel ID

Parcel ID 147

MBL / Parcel ID

Parcel ID 160

Additional Applicant Info

Applicant Type*

Owner

Permit Info

Type of Application*

New Application

Permit For*

Application by Town of Bolton or Non-profit group

Occupancy Type*	Lots
Town of Bolton	4

Work Description* ?

Construct a Town Center Subsurface Sewage Disposal System serving 206 Bolton Center Road (Bentley Library), 220 Bolton Center Road (Police Building), 222 Bolton Center Road (Town Hall) and 266 Bolton Center Road (Rose Farm).

Development Title

Town of Bolton Town Center Subsurface Sewage Disposal System

🔒 Comments

Distance from Inland Wetlands and Watercourses:

Current Distance	Proposed Distance
80	90

Wetland / Watercourses Project Information

Size of Subject Property (acres)	Total area of wetlands to be affected by the activity (acres)
123.96	0.165

Open water body altered (acres)

0

Stream alternation (linear feet)

0

Buffer/upland area altered (acres)

0.834

Area of wetlands/watercourses restored, enhanced, or created (acres)

0

Described how the proposed activity affects wetlands, watercourses, and the regulated areas.

Temporary disturbance for installation of sanitary sewers, sanitary manholes, a community leaching system and upgradient leaching system curtain drain.

Described measures that will be taken to minimize the impact on wetlands, watercourses, and the regulated areas.

Low Permeability Seepage Barriers will be installed in intervals in the pipe trench to prevent, or significantly reduce, dewatering of the inland wetlands. Disturbed areas will be restored with appropriate wetland and upland seed mixes from New England Wetland Plants, Inc. Temporary biodegradable erosion control blankets will be used on all slopes exceeding 5H:1V to minimize erosion during revegetation.

Is there a Conservation or Preservation Restriction on the Property?

Yes

Is this an activity associated with a use for which you intend to apply to the Planning & Zoning Commission?

Yes

Please read and check the following statements. By checking these boxes, you agree to abide by the statutes and ordinances of the Town of Bolton and the State of Connecticut.

I understand that the Commission may require additional information at any time during the review of the application as described in Section 7.6 of the Inland Wetlands and Watercourses Regulations. *



The Applicant must ensure that this application is complete and conforms with the Inland Wetlands and Watercourses Regulations (available at the Land Use Office for \$10.00). Ten (10) copies of supporting documents must be provided. The Commission encourages the applicant to discuss any project with the Town Staff and/or the Commission before submitting an application. The Commission requests that applications be submitted at least one week before the meeting. *



The Agency shall monitor all Bolton wetland and watercourses and have enforcement powers as described in Section 14 of the Inland Wetlands and Watercourses Regulations. The Commission Members and designed agent(s) may make regular inspections upon reasonable notice of all regulated activities to investigate possible violations of the Inland Wetlands and Watercourses Regulations. *



If this application is filed with the Inland Wetlands Agent under Section 12.1 of the Inland Wetlands and Watercourses Regulations, the Applicant may appeal the Agent's decision according to the process described in section 12.2 of the Inland Wetlands and Watercourses Regulations. *



Attorney Info

Name

Address

City

State

Zip

Phone

Email

Engineer Information

Company Name

Engineer Name

Address

City

State

Zip

Phone

Registration #

Insurance Expiration

AOR

—

Email

Experts Retained by Applicant

Name

Title / Expertise

Richard R. Snarski

Certified Professional Soil Scientist

Address

City

30 Gina Lane

Marlborough

State

Zip Code

Connecticut

06447

Phone No	Email
860.918.1970	richsnarski@gmail.com

Name	Title / Expertise
Matt Davison	PSS, PWS, CPESC, CESSWI, CT Forester
Address	City
10 Maple Street	Chester
State	Zip Code
Connecticut	06412
Phone No	Email
860.803.0938	matt@davisonenvironmental.com

Additional Project Info

🔒 Date of Receipt

—

🔒 Hearings Commencement Deadline

—

🔒 Hearings Completion Deadline

—

🔒 Decision Deadline

—

Total Acreage

123.96

Distance to Town Line

1950

Extended

Hearing Not Required

Attachments



List of Names and Addresses of Abutting Property Owners

Adjacent Properties.pdf

Uploaded by Danielle Palazzini on Oct 24, 2025 at 8:09 AM



Key Map of Property

Key Map of Properties.pdf

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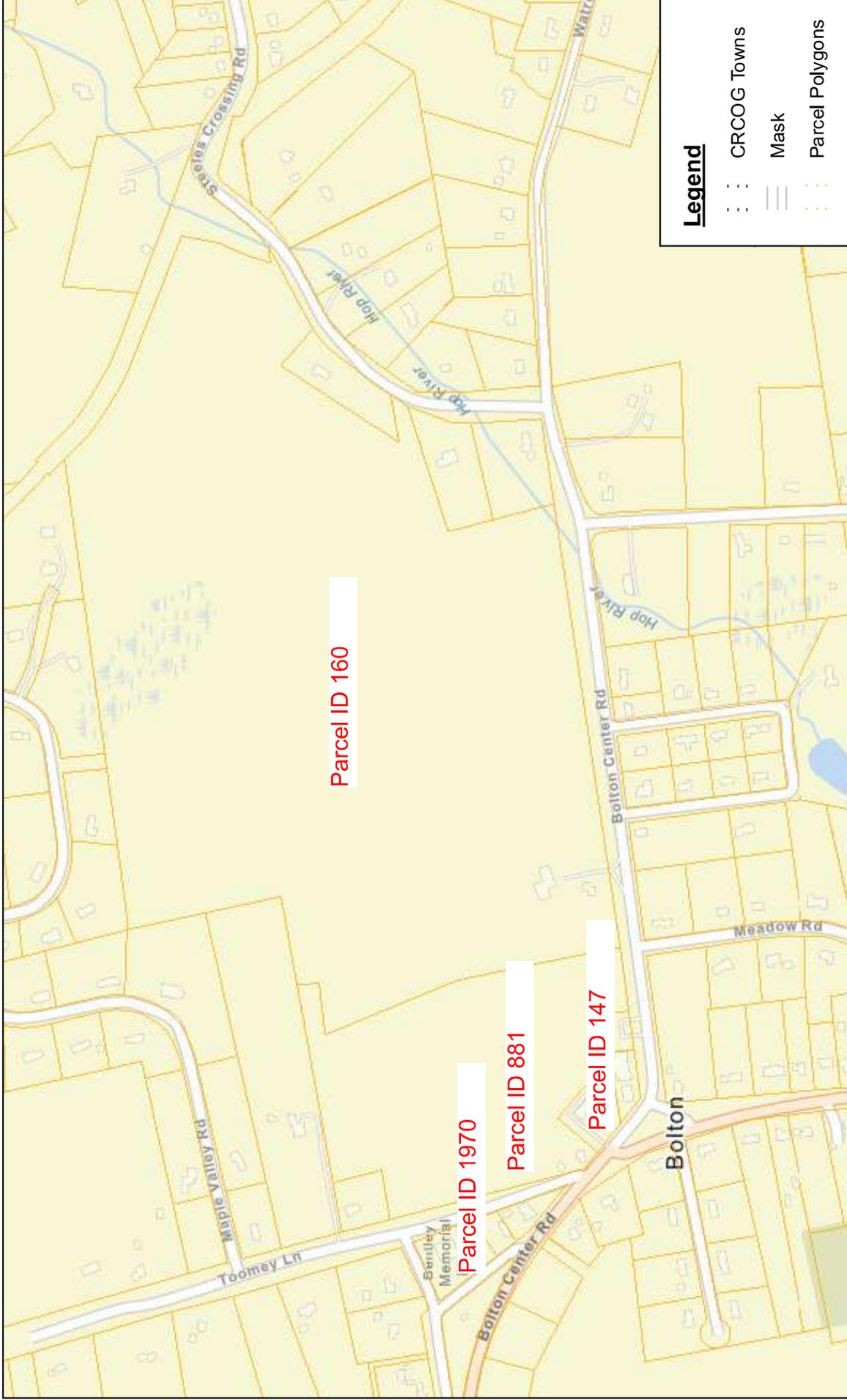


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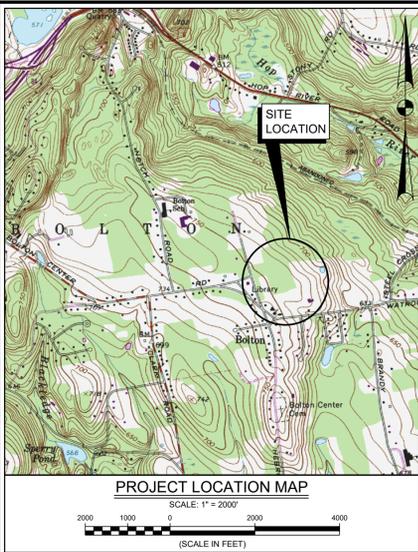
ArcGIS Web Map



Scale
1:9,028

SCHEDULE OF DRAWINGS

SHEET No.	TITLE
1 OF 14	COVER SHEET
2 OF 14	TOPOGRAPHIC SURVEY AND INDEX PLAN
3 OF 14	SITE PLAN - OVERALL LAYOUT
4 OF 14	GRAVITY SANITARY SEWER PROFILES: SANITARY MH #1 TO MH #7 AND MH #2 TO STA. 32+68.75
5 OF 14	SITE, GRADING AND UTILITY PLAN LIBRARY SITE
6 OF 14	SITE, GRADING AND UTILITY PLAN
7 OF 14	SITE, GRADING AND UTILITY PLAN TOWN HALL SITE
8 OF 14	SITE, GRADING AND UTILITY PLAN
9 OF 14	SITE, GRADING AND UTILITY PLAN ROSE FARM PROPERTY LEACHING SYSTEM
10 OF 14	EROSION AND SEDIMENTATION CONTROL NOTES AND DETAILS
11 OF 14	PROJECT NOTES AND SOIL INFORMATION
12 OF 14	DETAILS
13 OF 14	DETAILS
14 OF 14	DETAILS



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TOWN OF BOLTON CONNECTICUT

TOWN CENTER SUBSURFACE SEWAGE DISPOSAL SYSTEM

BOARD OF SELECTMEN

RODNEY FOURNIER, FIRST SELECTMAN
 TIMOTHY SADLER, SELECTMAN
 MATHER CLARKE, SELECTMAN
 GWEN MARRION, SELECTMAN
 DAVID COWLES, SELECTMAN
 ROBERT DePIETRO, SELECTMAN
 BRYCE ARRONSON, SELECTMAN

DIRECTOR OF COMMUNITY DEVELOPMENT

PATRICE CARSON, A.I.C.P.

TOWN ADMINISTRATOR

JAMES RUPERT

ROAD FOREMAN

A.J. GOLDEN

ABBREVIATIONS

Bit.	BITUMINOUS
B.O.S.	BOTTOM OF STONE
C#	ALIGNMENT CURVE NUMBER
Conc.	CONCRETE
CL&P	CONNECTICUT LIGHT AND POWER
CPEP	CORRUGATED POLYETHYLENE PIPE
EL.	ELEVATION
H.P.	HIGH POINT
INV.	INVERT
L#	ALIGNMENT LINE NUMBER
NF	NOW OR FORMERLY
PERF.	PERFORATED
RCP	REINFORCED CONCRETE PIPE
STA.	STATION
SNET	SOUTHERN NEW ENGLAND TELEPHONE CO.
T.O.P.	TOP OF PIPE
T.O.W.	TOP OF WALL
TYP.	TYPICAL

LEGEND

Existing		PROPOSED
--- 100 ---	INDEX CONTOUR	[100]
--- 95 ---	INTERMEDIATE CONTOUR	[95]
x 99.0	SPOT ELEVATION	[99.00]
~~~~~	TREE LINE	~~~~~
~~~~~	SHRUB LINE/TALL GROUND COVER/LANDSCAPING	
[Star symbol]	CONIFEROUS TREE	
[Cloud symbol]	DECIDUOUS TREE	
[Shrub symbol]	SHRUB	
[Stump symbol]	STUMP	
[Boulder symbol]	BOULDER/EDGE	
[Stone wall symbol]	STONE WALL	
[Edge of water symbol]	EDGE OF WATER	
[Wetland flag symbol]	WETLAND FLAG	
[Coincidental state and federal wetland line symbol]	COINCIDENTAL STATE AND FEDERAL WETLAND LINE	
[Pavement edge symbol]	PAVEMENT EDGE	
[Bituminous concrete curbing symbol]	BITUMINOUS CONCRETE CURBING	
[Concrete curbing symbol]	CONCRETE CURBING	
[Chain link fence symbol]	CHAIN LINK FENCE	
[Wire fence symbol]	WIRE FENCE	
[Wood fence symbol]	WOOD FENCE	
[Guide rail symbol]	GUIDE RAIL	
[Mailbox symbol]	MAILBOX	
[Sign symbol]	SIGN	
[Site light symbol]	SITE LIGHT	
[Catch basin symbol]	CATCH BASIN	
[Lawn inlet symbol]	LAWN INLET	
[Flared end symbol]	FLARED END	
[Manhole symbol]	MANNHOLE	
[Hydrant symbol]	HYDRANT	
[Valve symbol]	VALVE	
[Utility pole symbol]	UTILITY POLE	
[Utility pole with guy symbol]	UTILITY POLE WITH GUY	
[Utility pole with light symbol]	UTILITY POLE WITH LIGHT	
[Aerial utilities symbol]	AERIAL UTILITIES	
[Communications line symbol]	COMMUNICATIONS LINE	
[Electric line symbol]	ELECTRIC LINE	
[Gas line symbol]	GAS LINE	
[Sanitary line symbol]	SANITARY LINE	
[Storm pipe symbol]	STORM PIPE	
[Water line symbol]	WATER LINE	
[Unknown underground utility symbol]	UNKNOWN UNDERGROUND UTILITY	
[Survey monument symbol]	SURVEY MONUMENT	
[Property line symbol]	PROPERTY LINE	
[Street line symbol]	STREET LINE	
[Setback line symbol]	SETBACK LINE	
[Survey control symbol]	SURVEY CONTROL	
[Sediment barrier symbol]	SEDIMENT BARRIER	
[Pavement sawcut symbol]	PAVEMENT SAWCUT	
[Grade to drain symbol]	GRADE TO DRAIN	

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PERMITTING
JULY 2025

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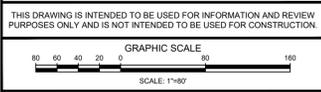
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NOTES:
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TOWN OF BOLTON, CONNECTICUT

TOWN CENTER SUBSURFACE SEWAGE DISPOSAL SYSTEM

TOPOGRAPHIC SURVEY AND INDEX PLAN

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

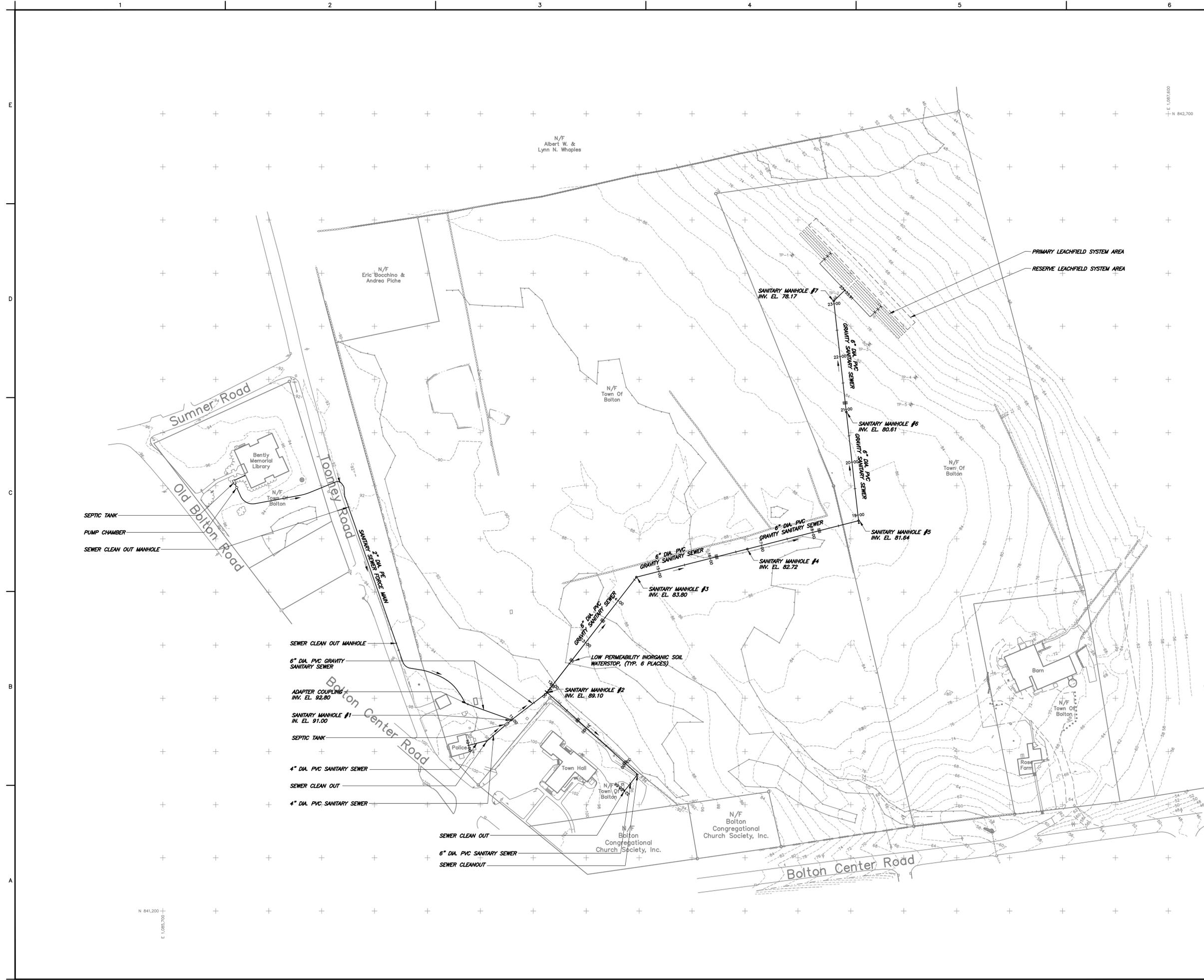
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FIELD BOOK: -
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GRAPHIC SCALE
 0 20 40 60 80 100
 SCALE: 1"=80'

TOWN OF
 BOLTON, CONNECTICUT

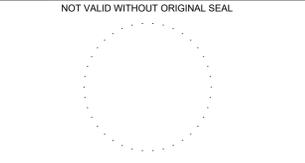
TOWN CENTER
 SUBSURFACE
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 SYSTEM

SITE PLAN

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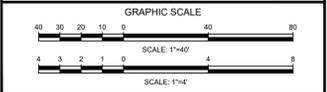
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NOTES:
1. REFER TO SHEET 3 OF 13 FOR SANITARY SEWER HORIZONTAL LAYOUT.

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TOWN OF
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TOWN CENTER
SUBSURFACE
SEWAGE DISPOSAL
SYSTEM

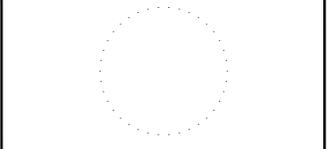
GRAVITY SANITARY SEWER
PROFILES:
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#7 AND MH #2 TO STA. 32+68.75

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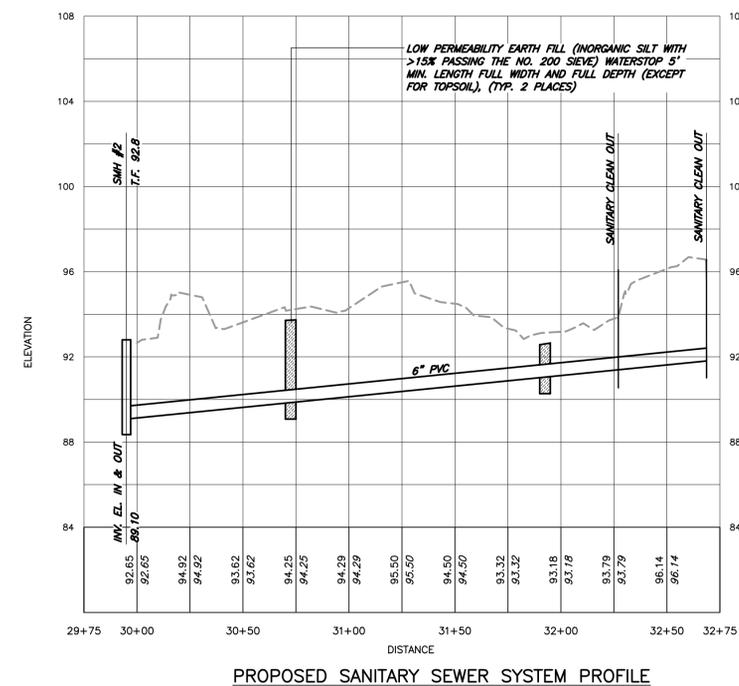
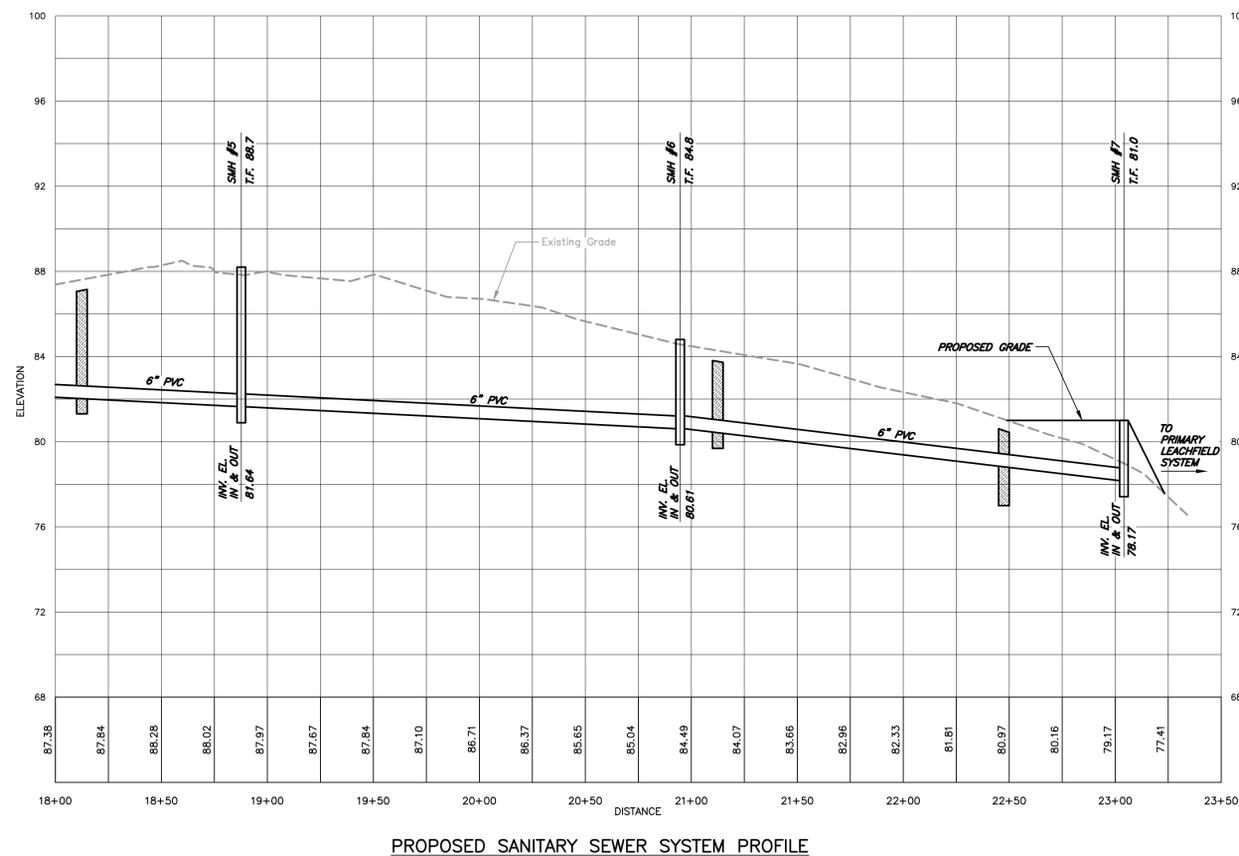
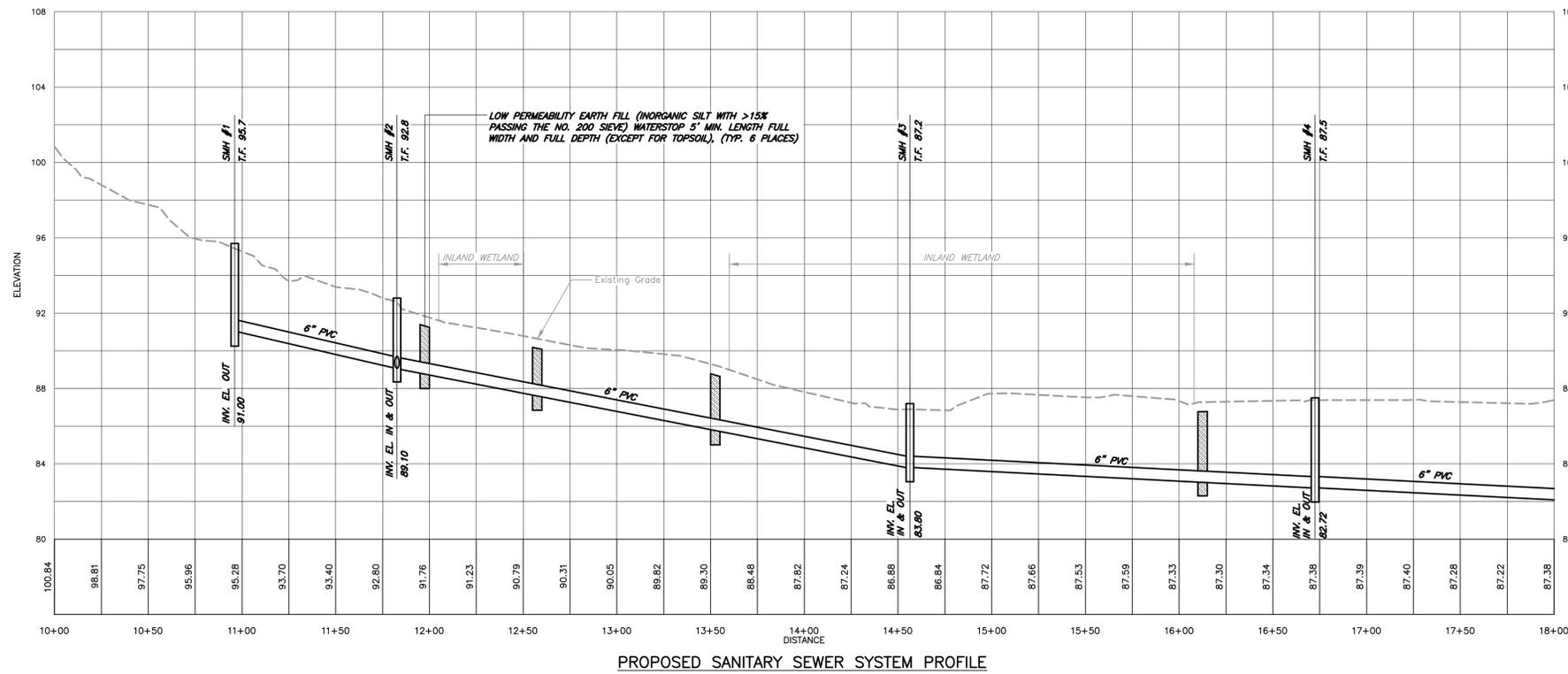
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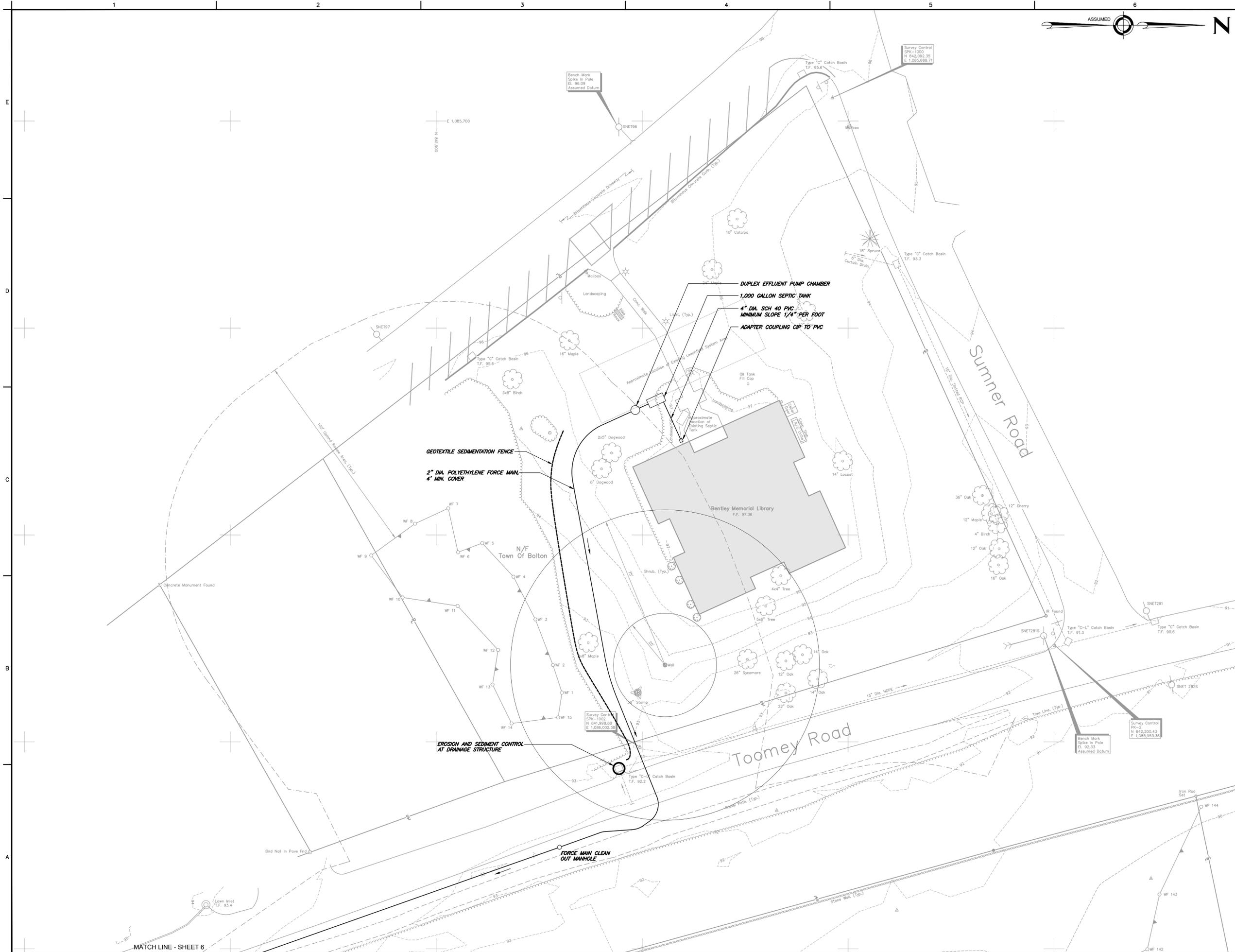
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4 OF 14



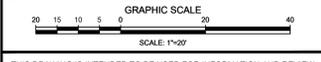


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 2. SEE SHEET 10 FOR PROJECTS NOTES.

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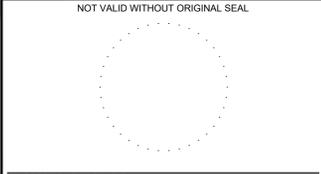
TOWN CENTER SUBSURFACE SEWAGE DISPOSAL SYSTEM

SITE, GRADING AND UTILITY PLAN LIBRARY SITE

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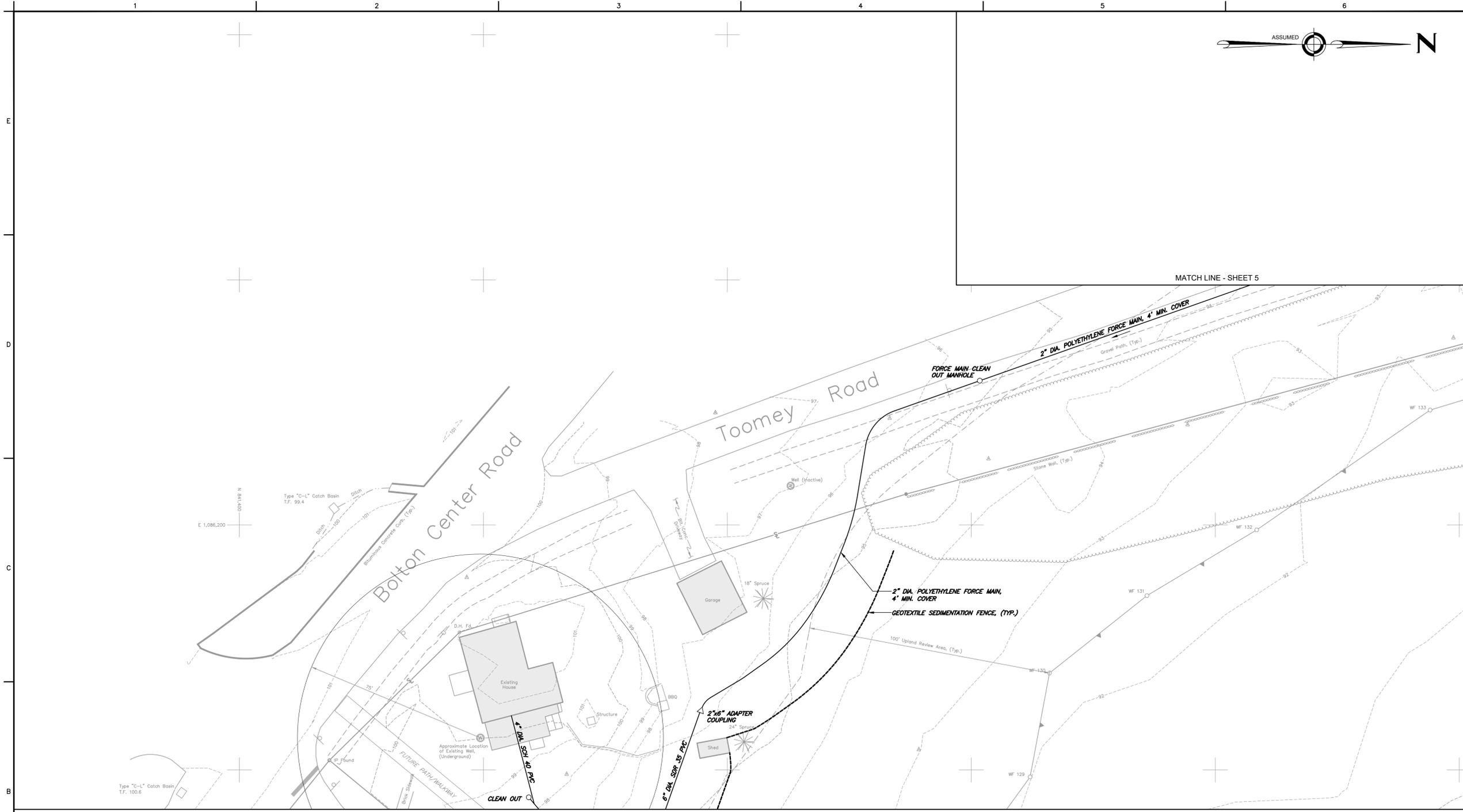
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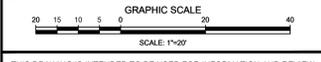


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TOWN OF BOLTON, CONNECTICUT

TOWN CENTER SUBSURFACE SEWAGE DISPOSAL SYSTEM

SITE, GRADING AND UTILITY PLAN

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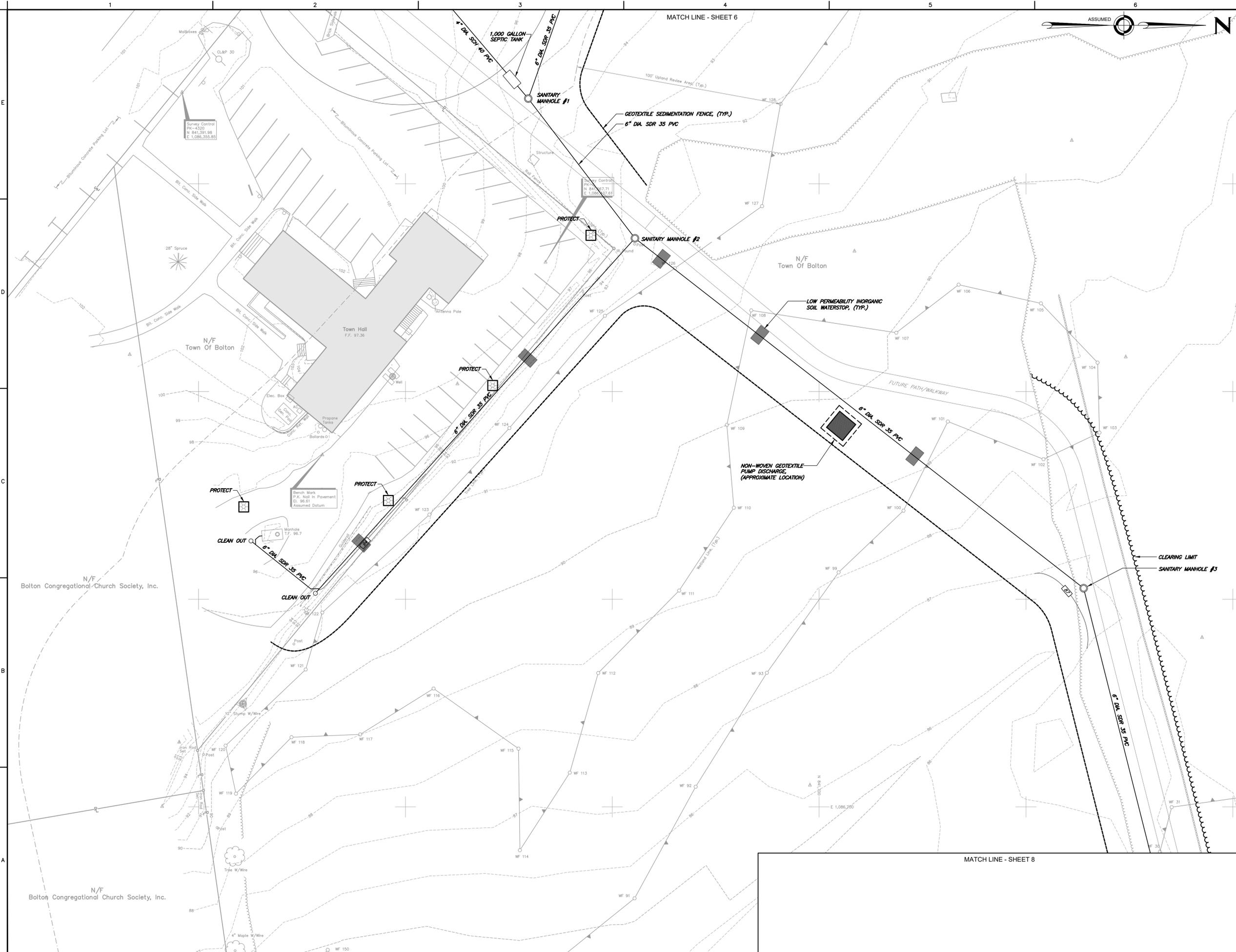
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SHEET No.:
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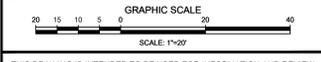


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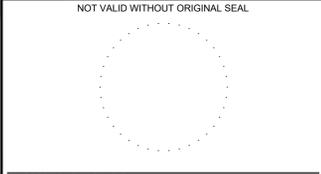
TOWN CENTER SUBSURFACE SEWAGE DISPOSAL SYSTEM

SITE, GRADING AND UTILITY PLAN
TOWN HALL SITE

PERMITTING

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 Consulting Civil and Environmental Engineers Since 1972



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 CT REGISTRATION No. 22903

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REVISIONS		
No.	DESCRIPTION	DATE
1	IWC COMMENTS	1/15/2026

DATE: JULY 2025
 SCALE: 1"=20'
 PROJECT No.: 09630053
 CADD FILE: 09630053SP
 DESIGNED: BCC/JMD
 DRAWN: CEB
 CHECKED: -

SHEET No.:
7 OF 14

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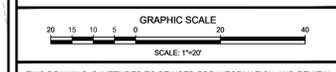
NOTES:

- THIS SURVEY WAS PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AS A CLASS T-2 TOPOGRAPHIC SURVEY (VERTICAL ACCURACY CLASS V-2).
- SEE SHEET 10 FOR PROJECT NOTES.

PROGRESS PRINT
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FOR PRELIMINARY REVIEW
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DATE ISSUED January 15, 2026
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TOWN OF
BOLTON, CONNECTICUT

TOWN CENTER
SUBSURFACE
SEWAGE DISPOSAL
SYSTEM

SITE, GRADING AND
UTILITY PLAN

PERMITTING

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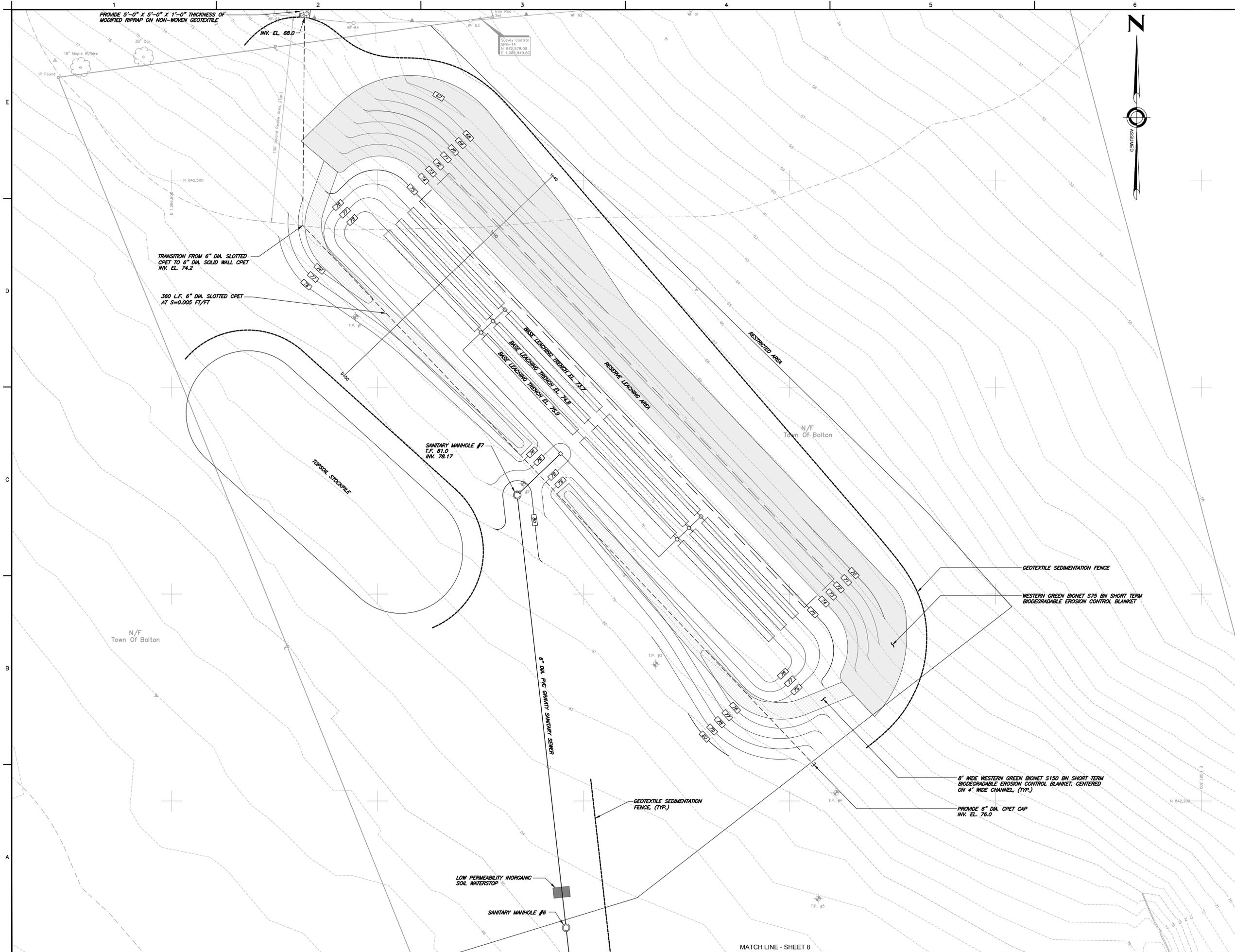
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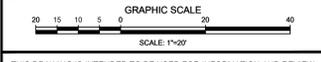


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TOWN OF BOLTON, CONNECTICUT

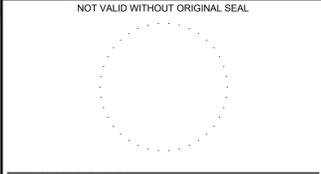
TOWN CENTER SUBSURFACE SEWAGE DISPOSAL SYSTEM

SITE, GRADING AND UTILITY PLAN
 ROSE FARM PROPERTY LEACHING SYSTEM

PERMITTING

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PROJECT NARRATIVE:

THE SUBJECT PROJECT INCLUDES THE CONSTRUCTION OF A SUBSURFACE WASTEWATER DISPOSAL SYSTEM, SEPTIC TANKS AND APPURTENANT WORK.
 ADDRESS OF PROPOSED USE:
 BOLTON TOWN CENTER - BENTLEY MEMORIAL LIBRARY
 TOWNY ROAD (OFF OF HWY. POLICE STATION TOWN HALL
 WOODLANDS, ROSE FARM BARN AND ROSE FARM FIELD
 BOLTON, CONNECTICUT 06043
 ADDRESS OF OWNERS AGENT AND PROPERTY OWNER:
 JAMES RUPERT, ADMINISTRATIVE OFFICER
 222 BOLTON CENTER ROAD
 BOLTON, CONNECTICUT 06043
 OWNERS AGENT, JOSEPH M. DILLON, P.E.

CONSTRUCTION SCHEDULING:

- IT IS PROPOSED TO PERFORM CONSTRUCTION IN THE SPRING 2026. IN GENERAL, THE SEQUENCE FOR CONSTRUCTION AND SITE STABILIZATION MAY BE AS FOLLOWS:
- INSTALL CONSTRUCTION ENTRANCES AND SEDIMENT AND EROSION CONTROLS.
 - INSTALL SEPTIC TANKS.
 - STRIP TOPSOIL AND PLACE LEACHING FILL.
 - CONSTRUCT LEACHING TRENCHES.
 - BACKFILL LEACHING AREA, FINE GRADE, FERTILIZE, SEED AND MULCH DISTURBED AREA.
 - PLACE GRAVITY SEWER AND MANHOLES PIPING. ALL PIPING AND STRUCTURES PLACED MUST BE BACKFILLED IMMEDIATELY AFTER INSTALLATION. ALL AREA TO BE FINE GRADED, FERTILIZED, SEED AND MULCH AT THE END OF EACH DAY'S WORK.
 - PLACE FORCE MAIN PIPING AND BACKFILL.
 - FINE GRADE, FERTILIZE, SEED AND MULCH ALL REMAINING DISTURBED AREAS.
 - REMOVE REMAINING SEDIMENT AND EROSION CONTROL MEASURES ONCE VEGETATION HAS BECOME ESTABLISHED.
- THE CONTRACTOR SELECTED TO CONSTRUCT THIS PROJECT WILL BE RESPONSIBLE FOR IMPLEMENTATION OF SEDIMENT AND EROSION CONTROL MEASURES ON THIS SITE. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR WILL PROVIDE THE BOLTON PLANNING AND ENFORCEMENT OFFICER WITH THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RESPONSIBLE PERSON. SHOULD ANY PROBLEMS OCCUR, THEN THE OWNERS AGENT SHOULD BE CONTACTED.

CONTINGENCY PLAN

A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE THE OWNERS AGENT WITH THE NAMES AND TELEPHONE NUMBERS OF THE RESPONSIBLE PERSONS TO BE CONTACTED IN THE EVENT OF AN EROSION AND SEDIMENT CONTROL PROBLEM.
 THE CONTRACTOR SHALL AT ALL TIMES KEEP SUFFICIENT ADDITIONAL SEDIMENTATION CONTROL FENCE AND/OR HAY BALES ON THE PROJECT SITE TO CONTROL UNFORESEEN EROSION AND/OR SEDIMENT PROBLEMS. IN THE EVENT OF A PROBLEM THE CONTRACTOR SHALL PROMPTLY STABILIZE THE PROBLEM AND CONTAIN ANY SEDIMENT AND THEN NOTIFY THE OWNERS AGENT.

EROSION AND SEDIMENT CONTROL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN FOR THE PROJECT.
 THE MINIMUM STANDARDS FOR ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE THOSE OUTLINED IN THE "2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL", LATEST REVISION. ALTERNATIVE MEASURES, METHODS, MEANS AND TECHNIQUES MAY BE ALLOWED WITH THE PRIOR APPROVAL OF THE OWNERS AGENT.

GENERAL GUIDELINES:

- NO CONSTRUCTION ACTIVITY SHALL TAKE PLACE WITHIN AREAS DESIGNATED AS INLAND WETLANDS, WATERCOURSES OR FLOODPLAINS. DESIGNATED UPLAND REVIEW ZONES OR WITHIN STREAM CHANNEL ENCROACHMENT LINES WITHOUT ALL REQUIRED APPROVALS AND PERMITS.
- TEMPORARY EROSION AND SEDIMENT CONTROLS SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION.
- ALL EROSION AND SEDIMENT CONTROLS SHALL BE MAINTAINED CONTINUOUSLY AND SHALL NOT BE REMOVED UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED.
- THE CONTRACTOR SHALL LIMIT THE DISTURBANCE OF LAND TO THOSE AREAS SHOWN ON THE DRAWINGS AND SHALL TAKE REASONABLE CARE TO PROTECT AND PRESERVE EXISTING VEGETATION WITHIN THE LIMITS OF DISTURBANCE WHERE FEASIBLE.
- WHERE PRACTICABLE, THE CONTRACTOR SHALL PLAN HIS CONSTRUCTION OPERATIONS SO AS TO LIMIT THE AREAS OF EXPOSED SOIL. TO AREAS ACTIVELY UNDER CONSTRUCTION, THE CONTRACTOR SHALL TAKE REASONABLE CARE TO LIMIT THE PERIOD OF EXPOSURE OF DISTURBED AREAS. THE INSTALLATION OF PERMANENT VEGETATIVE MEASURES SHALL BE ACCOMPLISHED AS SOON AS IS PRACTICABLE.
- ADEQUATE PROVISIONS SHALL BE TAKEN TO PROTECT ALL EXPOSED CUT AND FILL SLOPES FROM SURFACE WATER FLOW DAMAGE.
- ALL MATERIAL FROM CLEARING AND GRUBBING OPERATIONS SHALL BE DISPOSED OF IN A LAWFUL MANNER.
- WATER FROM DEWATERING OPERATIONS SHALL NOT BE DISCHARGED DIRECTLY TO ANY WETLAND OR WATERCOURSE. SUCH WATER SHALL BE DISCHARGED TO AN APPROVED SEDIMENT BASIN AND/OR FILTER DEVICE OR TO A STORM DRAINAGE SYSTEM ONLY WHEN APPROVED. NO WATER FROM DEWATERING OPERATIONS SHALL BE DISCHARGED INTO A SANITARY SEWER SYSTEM.
- THE STORAGE, WASHING, FUELING AND MAINTENANCE OF EQUIPMENT AND VEHICLES SHALL TAKE PLACE IN DESIGNATED AREAS ONLY. IN THE EVENT OF A CONTAMINANT SPILL, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION OIL AND CHEMICAL SPILL RESPONSE DIVISION (860-424-3338) AND THE OWNERS AGENT.

PRESERVE AND CONSERVE SOIL

TOPSOILING
MATERIALS
 SITE INVESTIGATIONS SHALL BE MADE TO DETERMINE IF THERE IS A SUFFICIENT QUANTITY OF TOPSOIL OF GOOD QUALITY ON THE SITE TO JUSTIFY STRIPPING. HIGH QUALITY TOPSOIL SHALL BE PREPARED BY LOOSE AND SMOOTHING THE SOIL AND TO REMOVE SURFACE STONES LARGER THAN ONE INCH IN DIAMETER. SLOPES MUST BE NO STEEPER THAN 2 TO 1 (2 FEET HORIZONTAL TO 1 FOOT VERTICAL). LIME AND FERTILIZER MAY BE APPLIED SIMULTANEOUSLY WITH THE SEED. THE USE OF FIBER MULCH ON CRITICAL AREAS IS NOT RECOMMENDED UNLESS IT IS USED TO HOLD STRAW OR HAY. FIBER MULCH DOES NOT PROVIDE ADEQUATE SEED PROTECTION. BETTER PROTECTION IS GAINED BY USING STRAW MULCH AND HOLDING IT WITH ADHESIVE MATERIALS OR 300 POUNDS PER ACRE OF WOOD FIBER MULCH. SEEDING RATES MUST BE INCREASED BY 10 PERCENT WHEN HYDROSEEDING.
 ALL TOPSOIL SHALL BE TESTED BY A RECOGNIZED LABORATORY TO DETERMINE THE PROPER APPLICATION RATES OF LIME AND FERTILIZER.

INSTALLATION REQUIREMENTS

- STRIPPING OF TOPSOIL SHALL BE CONFINED TO THE IMMEDIATE CONSTRUCTION AREA. THE DEPTH OF REMOVAL MAY VARY DEPENDING ON THE SITE CONDITIONS. ALL SEDIMENT CONTROLS SHALL BE IN PLACE PRIOR TO BEGINNING STRIPPING OPERATIONS.
- TOPSOIL SHALL BE STOCKPILED IN SUCH A MANNER THAT NATURAL SURFACE WATER FLOW IS NOT OBSTRUCTED AND NO OFF-SITE SEDIMENT DAMAGE SHALL RESULT.
- SIDE SLOPES OF STOCKPILES SHALL NOT BE STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL.
- A SEDIMENT BARRIER SHALL SURROUND ALL TOPSOIL STOCKPILES.
- TEMPORARY SEEDING OF STOCKPILES SHALL BE COMPLETED WITHIN 30 DAYS OF THE FORMATION OF THE STOCKPILE, IN ACCORDANCE WITH THE TEMPORARY VEGETATIVE COVER REQUIREMENTS.
- PREVIOUSLY ESTABLISHED GRADES ON THE AREAS TO BE TOPSOILED SHALL BE MAINTAINED ACCORDING TO THE DRAWINGS.
- WHERE THE pH OF THE SUBSOIL IS 6.0 OR LESS, GROUND AGRICULTURAL LIMESTONE SHALL BE SPREAD IN ACCORDANCE WITH THE SOIL TEST TO A DEPTH OF 4.0 TO 6.0 INCHES OF THE VEGETATIVE ESTABLISHMENT PRACTICE BEING USED.
- AFTER THE AREAS TO BE TOPSOILED HAVE BEEN BROUGHT TO GRADE, AND IMMEDIATELY PRIOR TO SPREADING THE TOPSOIL, THE SUBGRADE SHALL BE LOOSENEED BY DISCING OR SCARIFYING TO A DEPTH OF AT LEAST 4 INCHES TO ENSURE BONDING OF THE TOPSOIL AND SUBSOIL.
- TOPSOIL SHALL NOT BE PLACED WHILE IN A FROZEN OR MOIST CONDITION, WHEN THE SUBGRADE IS EXCESSIVELY WET, OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING OR PROPOSED SODDING OR SEEDING. THE TOPSOIL SHALL BE UNIFORM COMPACTED TO A MINIMUM DEPTH OF 4 INCHES, UNLESS OTHERWISE NOTED.
- IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
- TOPSOIL SHALL BE COMPACTED ENOUGH TO ENSURE GOOD CONTACT WITH THE UNDERLYING SOIL AND TO OBTAIN A UNIFORM FIRM SEEDBED FOR THE ESTABLISHMENT OF A DURABLE TURF. UNIFORM COMPACTION IS TO BE AVOIDED AS IT INCREASES RUNOFF VELOCITY AND VOLUME, AND PREVENTS SEED GERMINATION.
- IMMEDIATELY FOLLOWING TOPSOIL APPLICATION, PROTECT THE TOPSOIL FROM EROSION BY EITHER SODDING, SEEDING AND/OR MULCHING.

LAND GRADING

- ALL GRAZED OR DISTURBED AREAS INCLUDING SLOPES SHALL BE PROTECTED DURING CLEARING AND CONSTRUCTION IN ACCORDANCE WITH THE APPROVED SEDIMENT CONTROL PLAN UNTIL THEY ARE PERMANENTLY STABILIZED.
- AREAS TO BE FILLED SHALL BE CLEARED, GRUBBED AND STRIPPED OF TOPSOIL TO REMOVE TREES, VEGETATION, ROOTS OR OTHER OBJECTIONABLE MATERIAL.
- ALL FILLS SHALL BE COMPACTED AS REQUIRED TO REDUCE EROSION, SLIPPAGE, SETTLEMENT, SUBSIDENCE OR OTHER RELATED PROBLEMS.
- FILL MATERIAL SHALL BE FREE OF BRUSH, RUBBISH, ROCKS, LOGS, STUMPS, BUILDING DEBRIS AND OTHER OBJECTIONABLE MATERIALS.
- FROZEN MATERIAL OR SOFT, MUCKY OR HIGHLY COMPRESSIBLE MATERIALS SHALL NOT BE INCORPORATED INTO FILLS.
- FILL SHALL NOT BE PLACED ON A FROZEN FOUNDATION.
- TOPSOILING SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE REQUIREMENTS FOR TOPSOILING.
- ALL GRADED AREAS SHALL BE PERMANENTLY STABILIZED IMMEDIATELY FOLLOWING FINISHED GRADING.

DUST CONTROL
INSTALLATION REQUIREMENTS
WATER
 1. THE EXPOSED SOIL SURFACE SHALL BE MOISTENED PERIODICALLY WITH ADEQUATE QUANTITIES OF WATER TO CONTROL DUST.
STONE
 1. COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL. IN AREAS ADJACENT TO WATERWAYS USE CHEMICALLY STABLE AGGREGATE.
MAINTENANCE
 1. WHEN TEMPORARY DUST CONTROL MEASURES ARE USED, REPETITIVE TREATMENT SHALL BE APPLIED AS NEEDED TO ACCOMPLISH DUST CONTROL.

VEGETATIVE SOIL COVER
TEMPORARY SEEDING
INSTALLATION REQUIREMENTS
SITE PREPARATION
 1. GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND MULCH ANCHORING. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH THE REQUIREMENTS FOR LAND GRADING.
 2. INSTALL NEEDED EROSION CONTROL MEASURES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, SEDIMENT

BASINS AND GRASSES WATERWAYS.

SEEDBED PREPARATION

- APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TEST RECOMMENDATIONS SUCH AS THOSE OFFERED BY THE UNIVERSITY OF CONNECTICUT SOIL TESTING LABORATORY. SOIL SAMPLE MAJORS ARE AVAILABLE FROM THE LOCAL COOPERATIVE EXTENSION SERVICE OFFICE. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 300 POUNDS PER ACRE OR 7.5 POUNDS PER 1,000 SQUARE FEET OF 10-10-10 OR EQUIVALENT. APPLY LIMESTONE (EQUIVALENT TO 30 PERCENT CALCIUM PLEIN MAGNESIUM OXIDE) AS FOLLOWS:

SOIL TEXTURE	TONNAGE	LB/1,000 SQUARE FEET
CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL	3	135
SANDY LOAM, LOAM, SILT LOAM	2	90
LOAMY SAND, SAND	1	45

REFER TO COUNTY SOIL SURVEY REPORT FOR SOIL TEXTURES AT THE SITE.

SEEDING

- ANNUAL RYE GRASS 40 LBS/ACRE, 1 LB/1000 SF
- WHERE THE SOIL HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS, LOOSEN SOIL TO A DEPTH OF 2 INCHES BEFORE APPLYING FERTILIZER, LIME AND SEED.
- APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDER. HYDROSEEDINGS WHICH INCLUDE MULCH, MAY BE LEFT ON SOIL SURFACE. SEEDING RATES MUST BE INCREASED BY 10 PERCENT WHEN HYDROSEEDING.
- SPRING SEEDINGS USUALLY GIVE THE BEST RESULTS. SPRING SEEDINGS OF ALL SEED LEGUMES IS RECOMMENDED. HOWEVER, LATE SUMMER SEEDINGS PRIOR TO SEPTEMBER 1 CAN BE MADE. WHEN CROWN VETCH IS SEEDING IN LATE SUMMER AT LEAST 35 PERCENT OF THE SEED SHOULD BE HARD SEED (UNSCARIFIED). THE RECOMMENDED SEEDING DATES ARE:
 MARCH 15 THROUGH JUNE 15
 AUGUST 15 THROUGH OCTOBER 15

PERMANENT SEEDING
INSTALLATION REQUIREMENTS

- GRADE AS NEEDED AND FEASIBLE TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION AND ANCHORING, AND MAINTENANCE. ALL GRADING SHOULD BE DONE IN ACCORDANCE WITH THE REQUIREMENTS FOR LAND GRADING.

SEEDBED PREPARATION

- APPLY LIMESTONE AND FERTILIZER ACCORDING TO SOIL TESTS SUCH AS THOSE OFFERED BY THE UNIVERSITY OF CONNECTICUT SOIL TESTING LABORATORY. SOIL SAMPLE MAJORS ARE AVAILABLE FROM THE LOCAL COOPERATIVE EXTENSION SERVICE OFFICE. IF SOIL TESTING IS NOT FEASIBLE ON SMALL OR VARIABLE SITES, OR WHERE TIMING IS CRITICAL, FERTILIZER MAY BE APPLIED AT THE RATE OF 300 POUNDS PER ACRE OR 7.5 POUNDS PER 1,000 SQUARE FEET USING 10-10-10 OR EQUIVALENT. IN ADDITION, 300 POUNDS OF 38-0-0 PER ACRE OR EQUIVALENT OF SOIL PHOSPHORUS. NITROGEN MAY BE USED FOR TOPDRESSING. APPLY GROUND LIMESTONE (EQUIVALENT TO 30 PERCENT CALCIUM PLEIN MAGNESIUM OXIDE) AS FOLLOWS:

SOIL TEXTURE	TONNAGE	LB/1,000 SQUARE FEET
CLAY, CLAY LOAM, AND HIGH ORGANIC SOIL	3	135
SANDY LOAM, LOAM, SILT LOAM	2	90
LOAMY SAND, SAND	1	45

REFER TO COUNTY SOIL SURVEY REPORT FOR SOIL TEXTURES AT THE SITE.

SEEDING DATES

- SPRING SEEDINGS USUALLY GIVE THE BEST RESULTS. SPRING SEEDINGS OF ALL SEED MIXES WITH LEGUMES IS RECOMMENDED. HOWEVER, LATE SUMMER SEEDINGS PRIOR TO SEPTEMBER 15 CAN BE MADE. WHEN CROWN VETCH IS SEEDING IN LATE SUMMER AT LEAST 35 PERCENT OF THE SEED SHOULD BE HARD SEED (UNSCARIFIED). THE RECOMMENDED SEEDING DATES ARE:
 MARCH 15 THROUGH JUNE 15
 SEPTEMBER 1 THROUGH OCTOBER 15
- WITH THE EXCEPTION OF CROWN VETCH, THE FINAL SEEDING DATE MAY BE EXTENDED 15 DAYS IN THE COASTAL TOWNS OF NEW LONDON, MIDDLESEX, NEW HAVEN AND FAIRFIELD COUNTIES.

SEEDING

- NEW ENGLAND WILD FLOWER SEED MIX AT 23 LBS./ACRE. NEW ENGLAND WETLANDS PLANTS, INC. www.nwpp.com 413-548-8000
- APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDER. NORMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH. HYDROSEEDINGS WHICH ARE MULCHED MAY BE LEFT ON SOIL SURFACE.
- WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTIPACKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER OR LIGHT DRAG. SEEDING OPERATIONS SHOULD BE ON THE CONTOUR.
- FROST CRACK SEEDING MUST BE DONE IN LATE WINTER OR EARLY SPRING. SUITABLE WEATHER CONDITIONS ARE FREEZING NIGHTS AND THAWING DAYS WITH LITTLE OR NO SNOW COVER. SEEDING RATES MUST BE INCREASED 10 PERCENT WHEN USING THIS METHOD.
- HYDRAULIC APPLICATION (HYDROSEEDING) IS A SUITABLE METHOD FOR USE ON CRITICAL AREAS. WHEN HYDROSEEDING, A SEEDBED IS PREPARED BY THE CONVENTIONAL HAY OR HAY AND RANGING TO LOOSEN AND SMOOTH THE SOIL AND TO REMOVE SURFACE STONES LARGER THAN ONE INCH IN DIAMETER. SLOPES MUST BE NO STEEPER THAN 2 TO 1 (2 FEET HORIZONTAL TO 1 FOOT VERTICAL). LIME AND FERTILIZER MAY BE APPLIED SIMULTANEOUSLY WITH THE SEED. THE USE OF FIBER MULCH ON CRITICAL AREAS IS NOT RECOMMENDED UNLESS IT IS USED TO HOLD STRAW OR HAY. FIBER MULCH DOES NOT PROVIDE ADEQUATE SEED PROTECTION. BETTER PROTECTION IS GAINED BY USING STRAW MULCH AND HOLDING IT WITH ADHESIVE MATERIALS OR 300 POUNDS PER ACRE OF WOOD FIBER MULCH. SEEDING RATES MUST BE INCREASED BY 10 PERCENT WHEN HYDROSEEDING.
- APPLY MULCH ACCORDING TO THE TEMPORARY MULCHING MEASURE.
- IF SEEDING CANNOT BE DONE WITHIN THE SEEDING DATES, USE THE TEMPORARY MULCHING MEASURE TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.

MAINTENANCE

- LIME ACCORDING TO A SOIL TEST OR AT A MINIMUM OF EVERY FIVE YEARS USING A RATE OF TWO TONS PER ACRE (100 POUNDS PER 1,000 SQUARE FEET).
- WHERE GRASSES PREDOMINATE, FERTILIZE ACCORDING TO A SOIL TEST OR BROADCAST BIENNIALY, 300 POUNDS OF 10-10-10 OR EQUIVALENT PER ACRE (7.5 POUNDS PER 1,000 SQUARE FEET).
- WHERE LEGUMES PREDOMINATE, FERTILIZE ACCORDING TO A SOIL TEST OR BROADCAST EVERY THREE YEARS 300 POUNDS OF 0-20-20 PER ACRE OR EQUIVALENT (7.5 POUNDS PER 1,000 SQUARE FEET).

NON-LIVING SOIL PROTECTION
MULCH FOR SEED
MATERIALS
 SELECT MULCH MATERIALS BASED ON SITE CONDITIONS, AVAILABILITY OF MATERIALS AND LABOR AND EQUIPMENT. OTHER MATERIALS MAY BE USED ONLY WITH THE APPROVING AUTHORITY.

INSTALLATION REQUIREMENTS
ORGANIC MULCHES

- ORGANIC MULCHES MAY BE USED IN ANY AREA WHERE MULCH IS REQUIRED, SUBJECT TO THE RESTRICTIONS NOTED BELOW:

MULCHES	PER ACRE	RATES PER 1,000 SQUARE FEET
STRAW	1 1/2 - 2 TONS	35-45 LBS

APPLICATION

- MULCH MATERIALS SHALL BE SPREAD UNIFORMLY, BY HAND OR MACHINE. WHEN SPREADING STRAW OR HAY MULCH BY HAND, DIVIDE THE AREA TO BE MULCHED INTO APPROXIMATELY 1,000 SQUARE FOOT SECTIONS AND PLACE 35-45 POUNDS (1 BALE) OF STRAW OR HAY IN EACH SECTION TO ENSURE UNIFORM DISTRIBUTION.

ANCHORING

- HAY OR STRAW MULCHES MUST BE ANCHORED IMMEDIATELY AFTER APPLICATION TO PREVENT WINDBLOWING. HAY OR STRAW MULCH MAY BE ANCHORED BY TRACKING WITH CONSTRUCTION EQUIPMENT, BUT NOT BY USING NETTING.

MAINTENANCE

- ALL MULCHES MUST BE INSPECTED PERIODICALLY, IN PARTICULAR AFTER RAINSTORMS, TO CHECK FOR FILL EROSION. WHERE EROSION IS OBSERVED, ADDITIONAL MULCH SHOULD BE APPLIED. NETS SHALL BE INSPECTED AFTER RAINSTORMS FOR DISSOLUTION OR FAILURE. IF DISSOLUTION OR BREAKAGE OCCURS, REPAIR NETS AS NECESSARY AFTER REPAIRING DAMAGE TO THE SLOPE. INSPECTIONS SHALL TAKE PLACE UNTIL GRASSES ARE FIRMLY ESTABLISHED. GRASSES SHALL NOT BE CONSIDERED ESTABLISHED UNTIL A GRASS COVER IS ACHIEVED WHICH IS MATURE ENOUGH TO CONTROL SOIL EROSION AND TO SURVIVE SEVERE WEATHER CONDITIONS. WHERE MULCH IS USED IN CONJUNCTION WITH ORNAMENTAL PLANTINGS, INSPECT PERIODICALLY THROUGHOUT THE YEAR TO DETERMINE IF MULCH IS MAINTAINING COVERAGE OF THE SOIL SURFACE. REPAIR AS NEEDED.
- THE GAPS BETWEEN BALES SHALL BE CHINKED (FILLED BY WEDGING) STRAW BETWEEN THEM TO PREVENT WATER FROM FLOWING BETWEEN THE BALES.

SEDIMENT IMPOUNDMENTS, BARRIERS, AND FILTERS
HAY BALE BARRIER
INSTALLATION REQUIREMENTS
SHEET FLOW APPLICATIONS

- BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE ON THE CONTOUR, WITH THE ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.
- ALL BALES SHALL BE EITHER WIRE-BOUND OR STRING TIED. BALES SHALL BE INSTALLED SO THAT BINDINGS ARE ORIENTED AROUND THE SIDES RATHER THAN ALONG THE TOPS AND BOTTOMS OF THE BALES TO PREVENT DETERIORATION OF THE BINDINGS.
- A TRENCH SHALL BE EXCAVATED THE WIDTH OF A BALE AND THE LENGTH OF THE PROPOSED BARRIER TO A MINIMUM DEPTH OF 4 INCHES. AFTER THE BALES ARE STAKED AND CHINKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE BARRIER. BACKFILL SHALL CONFORM TO THE GROUND LEVEL ON THE DOWNHILL SIDE AND SHALL BE BUILT UP 4 INCHES AGAINST THE UPHILL SIDE OF THE BARRIER. BALES SHOULD BE PLACED 10 FEET AWAY FROM THE TOE OF SLOPES UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR DIRECTED.
- EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST TWO STAKES DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN DEEP ENOUGH INTO THE GROUND TO SECURELY ANCHOR THE BALE.

CHANNEL FLOW APPLICATIONS

- BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PERPENDICULAR TO THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.

THE REMAINING STEPS FOR INSTALLING A BALE BARRIER FOR SHEET FLOW APPLICATIONS APPLY HERE, WITH THE FOLLOWING ADDITION:

- THE BARRIER SHALL BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOMS OF THE END BALES ARE HIGHER IN ELEVATION THAN THE TOP OF THE LOWEST MIDDLE BALE TO ASSURE THAT SEDIMENT LOAD RUNOFF WILL FLOW EITHER THROUGH OR OVER THE BARRIER BUT NOT AROUND IT.

MAINTENANCE

- INSPECTION SHALL BE MADE AFTER EACH STORM EVENT AND PERIODICALLY DURING PROLONGED RAIN EVENTS AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- ACCUMULATED SEDIMENT BEHIND THE BALES SHALL BE REMOVED WHEN IT REACHES 1/2 OF THE ORIGINAL HEIGHT OF THE BALES.

GEOTEXTILE SILT FENCE
MATERIALS

- GEOTEXTILE: GEOTEXTILE SHALL BE A PERVIOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE FILAMENTS AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER AS CONFORMING TO THE FOLLOWING REQUIREMENTS:

PHYSICAL PROPERTY	REQUIREMENTS
FILTERING EFFICIENCY	75% (MIN)
TENSILE STRENGTH AT 20% (MAX) ELONGATION	-
EXTRA STRENGTH	50 LBS./LIN. IN. (MIN)
STANDARD STRENGTH	30 LBS./LIN. IN. (MIN)
FLOW RATE	12 GAL./SQ.FIN. (MIN)

STAKES FOR GEOTEXTILE SILT FENCES SHALL BE 1" x 1" WOOD WITH A MINIMUM LENGTH OF 5 FEET.

WIRE FENCE REINFORCEMENT FOR GEOTEXTILE SILT FENCES USING STANDARD STRENGTH MATERIAL SHALL BE A MINIMUM OF 4 INCHES IN HEIGHT, A MINIMUM OF 1/4 GAUGE AND SHALL HAVE A MAXIMUM MESH SPACING OF 3 INCHES.

INSTALLATION REQUIREMENTS

- THE HEIGHT OF THE BARRIER SHALL NOT EXCEED 36 INCHES. HIGHER BARRIERS MAY IMPOUND VOLUMES OF WATER SUFFICIENT TO CAUSE FAILURE OF THE STRUCTURE. THE SEDIMENTATION CONTROL FENCE SHALL BE PLACED 10 FEET AWAY FROM THE TOE OF SLOPES UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR DIRECTED.
- WHEN JOINTS ARE NECESSARY, GEOTEXTILE ROLL ENDS SHALL BE SPliced TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6" OVERLAP AND SECURELY SEALED IN CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART AND DRIVEN SECURELY INTO THE GROUND A MINIMUM DEPTH OF 12 INCHES.
- WHEN STANDARD STRENGTH GEOTEXTILE IS USED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPHILL SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1/4 INCH LONG. THE WIRES OR RODS MUST BE BURIED BY RAMPING SOIL UP TO THE SEDIMENTATION FENCE AS SPECIFIED IN SECTION 2.19.03 OF THE STATE OF CT, DEPT. OF TRANSPORTATION, STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 817, 2016, AS AMENDED TO DATE.
- WHEN EXTRA STRENGTH GEOTEXTILE OR BURLAP AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED.
- THE TRENCH SHALL BE BACKFILLED AND THE SOIL COMPACTED OVER THE GEOTEXTILE.

MAINTENANCE

- INSPECTION SHALL BE MADE AFTER EACH STORM EVENT AND PERIODICALLY DURING PROLONGED RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE AS REQUIRED.
- ACCUMULATED SEDIMENT BEHIND THE FENCE SHALL BE REMOVED WHEN IT REACHES 1/2 OF THE HEIGHT OF THE BARRIER.

SEEDING DATES

- SPRING SEEDINGS USUALLY GIVE THE BEST RESULTS. SPRING SEEDINGS OF ALL SEED MIXES WITH LEGUMES IS RECOMMENDED. HOWEVER, LATE SUMMER SEEDINGS PRIOR TO SEPTEMBER 15 CAN BE MADE. WHEN CROWN VETCH IS SEEDING IN LATE SUMMER AT LEAST 35 PERCENT OF THE SEED SHOULD BE HARD SEED (UNSCARIFIED). THE RECOMMENDED SEEDING DATES ARE:
 MARCH 15 THROUGH JUNE 15
 SEPTEMBER 1 THROUGH OCTOBER 15

SEEDING

- NEW ENGLAND WILD FLOWER SEED MIX AT 23 LBS./ACRE. NEW ENGLAND WETLANDS PLANTS, INC. www.nwpp.com 413-548-8000
- APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER TYPE SEEDER OR HYDROSEEDER. NORMAL SEEDING DEPTH IS FROM 1/4 TO 1/2 INCH. HYDROSEEDINGS WHICH ARE MULCHED MAY BE LEFT ON SOIL SURFACE.
- WHERE FEASIBLE, EXCEPT WHERE EITHER A CULTIPACKER TYPE SEEDER OR HYDROSEEDER IS USED, THE SEEDBED SHOULD BE FIRMED FOLLOWING SEEDING OPERATIONS WITH A ROLLER OR LIGHT DRAG. SEEDING OPERATIONS SHOULD BE ON THE CONTOUR.
- FROST CRACK SEEDING MUST BE DONE IN LATE WINTER OR EARLY SPRING. SUITABLE WEATHER CONDITIONS ARE FREEZING NIGHTS AND THAWING DAYS WITH LITTLE OR NO SNOW COVER. SEEDING RATES MUST BE INCREASED 10 PERCENT WHEN USING THIS METHOD.
- HYDRAULIC APPLICATION (HYDROSEEDING) IS A SUITABLE METHOD FOR USE ON CRITICAL AREAS. WHEN HYDROSEEDING, A SEEDBED IS PREPARED BY THE CONVENTIONAL HAY OR HAY AND RANGING TO LOOSEN AND SMOOTH THE SOIL AND TO REMOVE SURFACE STONES LARGER THAN ONE INCH IN DIAMETER. SLOPES MUST BE NO STEEPER THAN 2 TO 1 (2 FEET HORIZONTAL TO 1 FOOT VERTICAL). LIME AND FERTILIZER MAY BE APPLIED SIMULTANEOUSLY WITH THE SEED. THE USE OF FIBER MULCH ON CRITICAL AREAS IS NOT RECOMMENDED UNLESS IT IS USED TO HOLD STRAW OR HAY. FIBER MULCH DOES NOT PROVIDE ADEQUATE SEED PROTECTION. BETTER PROTECTION IS GAINED BY USING STRAW MULCH AND HOLDING IT WITH ADHESIVE MATERIALS OR 300 POUNDS PER ACRE OF WOOD FIBER MULCH. SEEDING RATES MUST BE INCREASED BY 10 PERCENT WHEN HYDROSEEDING.
- APPLY MULCH ACCORDING TO THE TEMPORARY MULCHING MEASURE.
- IF SEEDING CANNOT BE DONE WITHIN THE SEEDING DATES, USE THE TEMPORARY MULCHING MEASURE TO PROTECT THE SITE AND DELAY SEEDING UNTIL THE NEXT RECOMMENDED SEEDING PERIOD.

MAINTENANCE

- LIME ACCORDING TO A SOIL TEST OR AT A MINIMUM OF EVERY FIVE YEARS USING A RATE OF TWO TONS PER ACRE (100 POUNDS PER 1,000 SQUARE FEET).
- WHERE GRASSES PREDOMINATE, FERTILIZE ACCORDING TO A SOIL TEST OR BROADCAST BIENNIALY, 300 POUNDS OF 10-10-10 OR EQUIVALENT PER ACRE (7.5 POUNDS PER 1,000 SQUARE FEET).
- WHERE LEGUMES PREDOMINATE, FERTILIZE ACCORDING TO A SOIL TEST OR BROADCAST EVERY THREE YEARS 300 POUNDS OF 0-20-20 PER ACRE OR EQUIVALENT (7.5 POUNDS PER 1,000 SQUARE FEET).

NON-LIVING SOIL PROTECTION
MULCH FOR SEED
MATERIALS
 SELECT MULCH MATERIALS BASED ON SITE CONDITIONS, AVAILABILITY OF MATERIALS AND LABOR AND EQUIPMENT. OTHER MATERIALS MAY BE USED ONLY WITH THE APPROVING AUTHORITY.

INSTALLATION REQUIREMENTS
ORGANIC MULCHES

- ORGANIC MULCHES MAY BE USED IN ANY AREA WHERE MULCH IS REQUIRED, SUBJECT TO THE RESTRICTIONS NOTED BELOW:

MULCHES	PER ACRE	RATES PER 1,000 SQUARE FEET
STRAW	1 1/2 - 2 TONS	35-45 LBS

APPLICATION

- MULCH MATERIALS SHALL BE SPREAD UNIFORMLY, BY HAND OR MACHINE. WHEN SPREADING STRAW OR HAY MULCH BY HAND, DIVIDE THE AREA TO BE MULCHED INTO APPROXIMATELY 1,000 SQUARE FOOT SECTIONS AND PLACE 35-45 POUNDS (1 BALE) OF STRAW OR HAY IN EACH SECTION TO ENSURE UNIFORM DISTRIBUTION.

ANCHORING

- HAY OR STRAW MULCHES MUST BE ANCHORED IMMEDIATELY AFTER APPLICATION TO PREVENT WINDBLOWING. HAY OR STRAW MULCH MAY BE ANCHORED BY TRACKING WITH CONSTRUCTION EQUIPMENT, BUT NOT BY USING NETTING.

MAINTENANCE

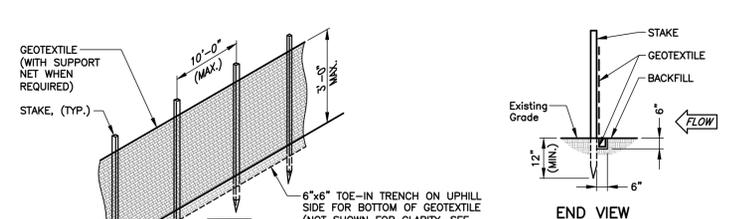
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- THE GAPS BETWEEN BALES SHALL BE CHINKED (FILLED BY WEDGING) STRAW BETWEEN THEM TO PREVENT WATER FROM FLOWING BETWEEN THE BALES.

SEDIMENT IMPOUNDMENTS, BARRIERS, AND FILTERS
HAY BALE BARRIER
INSTALLATION REQUIREMENTS
SHEET FLOW APPLICATIONS

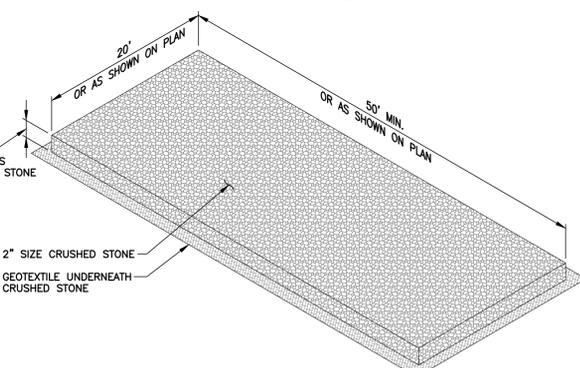
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- ALL BALES SHALL BE EITHER WIRE-BOUND OR STRING TIED. BALES SHALL BE INSTALLED SO THAT BINDINGS ARE ORIENTED AROUND THE SIDES RATHER THAN ALONG THE TOPS AND BOTTOMS OF THE BALES TO PREVENT DETERIORATION OF THE BINDINGS.
- A TRENCH SHALL BE EXCAVATED THE WIDTH OF A BALE AND THE LENGTH OF THE PROPOSED BARRIER TO A MINIMUM DEPTH OF 4 INCHES. AFTER THE BALES ARE STAKED AND CHINKED, THE EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE BARRIER. BACKFILL SHALL CONFORM TO THE GROUND LEVEL ON THE DOWNHILL SIDE AND SHALL BE BUILT UP 4 INCHES AGAINST THE UPHILL SIDE OF THE BARRIER. BALES SHOULD BE PLACED 10 FEET AWAY FROM THE TOE OF SLOPES UNLESS OTHERWISE SHOWN ON THE DRAWINGS OR DIRECTED.
- EACH BALE SHALL BE SECURELY ANCHORED BY AT LEAST TWO STAKES DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN DEEP ENOUGH INTO THE GROUND TO SECURELY ANCHOR THE BALE.

CHANNEL FLOW APPLICATIONS

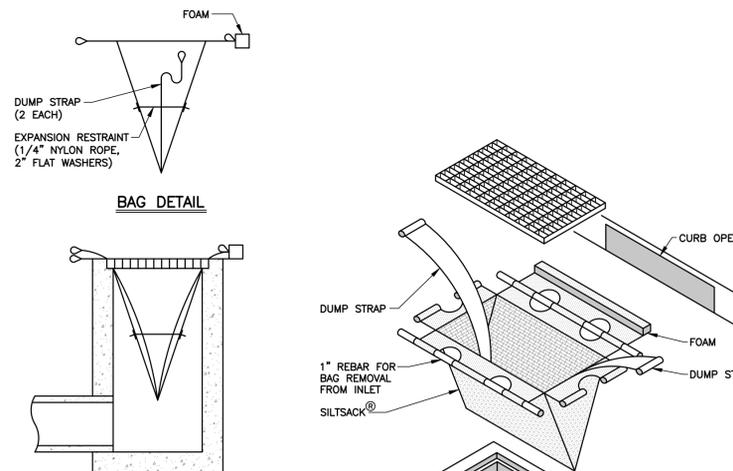
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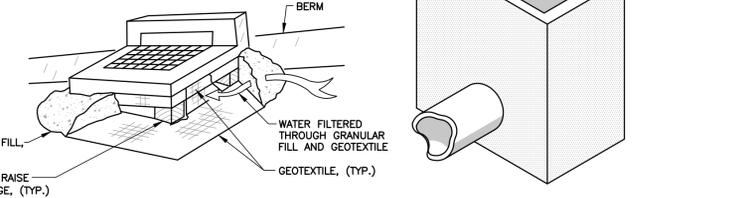
SEDIMENTATION FENCE
N.T.S.



CONSTRUCTION ENTRANCE
N.T.S.



BAG DETAIL



INSTALLATION SCHEMATIC

NOTES:

- THIS DETAIL APPLIES TO STRUCTURES IN PAVEMENT AND NOT TO STRUCTURES OFF PAVEMENT.

NOTES:

- FOR DRAINAGE STRUCTURES OFF PAVEMENT, THIS DETAIL APPLIES IMMEDIATELY AFTER THEIR CONSTRUCTION
- REMOVE SEDIMENT WHEN HALF FULL.

SEDIMENTATION CONTROL AT DRAINAGE STRUCTURE

NOTES:

- TYPE "C" CATCH BASIN HEAD SHOWN FOR CLARITY ONLY. THIS

SUBSURFACE SEWAGE DISPOSAL SYSTEM NOTES

GENERAL:

- A PERMIT SHALL BE OBTAINED FROM THE LOCAL DEPARTMENT OF HEALTH (EASTERN HIGHLANDS HEALTH DISTRICT - EHD) PRIOR TO INSTALLATION OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM. APPROVAL OF SYSTEM DESIGN BY THE CONNECTICUT DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION IS REQUIRED.
- THE SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE REQUIREMENTS OF THE CONNECTICUT PUBLIC HEALTH CODE AND TECHNICAL STANDARDS, SECTION 19-13B(1) OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES, AS AMENDED, LOCAL DEPARTMENT OF HEALTH REGULATIONS AND TOWN ORDINANCES, AS APPLICABLE.
- THE MINIMUM SEPARATING DISTANCE FROM A WATER SUPPLY WELL TO ANY PORTION OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL BE 75 FEET.
- IF SOIL CONDITIONS ARE ENCOUNTERED AT DEPTHS SHALLOWER THAN SHOWN IN THE DEEP TEST HOLE LOGS (LEDGE, GROUNDWATER, MOTTLING), THE SANITARIAN AND DESIGN ENGINEER SHALL BE CONTACTED IMMEDIATELY AND CONSTRUCTION HALTED UNTIL DIRECTED FURTHER.
- NO DEVIATIONS FROM THE APPROVED DESIGN PLAN SHALL BE PERMITTED WITHOUT THE PRIOR WRITTEN APPROVAL OF THE LOCAL DEPARTMENT OF HEALTH AND THE DESIGN ENGINEER.
- NO PORTION OF THE SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL BE BACKFILLED UNTIL MEASUREMENTS FOR RECORD DRAWINGS HAVE BEEN OBTAINED AND THE INSTALLATION HAS BEEN INSPECTED AND APPROVED BY THE TOWN SANITARIAN.

THE LOCAL DEPARTMENT OF HEALTH (EASTERN HIGHLANDS HEALTH DISTRICT - EHD) AND DESIGN ENGINEER SHALL BE NOTIFIED PRIOR TO THE FOLLOWING STAGES OF CONSTRUCTION (AS APPLICABLE) FOR INSPECTION PURPOSES:

- STRIPPING OF TOPSOIL AND SCRYFING BOTTOM OF EXCAVATED AREA
- PLACEMENT OF LEACHING FILL MATERIAL
- PLACEMENT OF SEPTIC TANKS
- PLACEMENT OF SEWER PIPING
- INSTALLATION OF THE LEACHING SYSTEM

- THE SUBSURFACE SEWAGE DISPOSAL SYSTEM SHALL BE STAKED OUT BY A LICENSED LAND SURVEYOR AND THE SURVEYOR SHALL VERIFY THE DESIGN BENCHMARK PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL RETAIN A LICENSED LAND SURVEYOR TO PREPARE RECORD DRAWINGS OF THE COMPLETED SUBSURFACE SEWAGE DISPOSAL SYSTEM, SHOWING INSTALLED LOCATIONS AND ELEVATIONS OF ALL SYSTEM COMPONENTS. RECORD DRAWINGS SHALL BE SUBMITTED TO THE LOCAL DEPARTMENT OF HEALTH AND DESIGN ENGINEER FOR REVIEW AND APPROVAL.

MATERIALS:

- SEPTIC TANK PIPE AND FITTINGS SHALL BE SCHEDULE 40 PVC, ASTM 1785, WITH SOLVENT WELDED JOINTS. PIPE SIZE AS INDICATED ON THE DRAWINGS.
- SOLID WALL DISTRIBUTION PIPE AND FITTINGS SHALL BE FOUR (4) INCH DIAMETER SDR 35 PVC, ASTM 3034, WITH INTEGRAL RUBBER COMPRESSION GASKET JOINTS, ASTM D3212, OR APPROVED EQUAL.
- PIPE ADAPTERS - PVC WITH GASKETED OR GLUED JOINTS FOR CONNECTING SCHEDULE 40 PVC TO SDR 35 PVC.
- MAGNETIC TRACER TAPE - POLYETHYLENE WITH METALLIC FOIL CORE, 2 INCHES WIDE, LABELED "SEWER - BURIED PIPELINE BELOW"
- THE SEPTIC TANKS SHALL CONFORM TO REQUIREMENTS OF THE PUBLIC HEALTH CODE AND ASTM C1277. TANKS SHALL CONTAIN TWO COMPARTMENTS, WITH 2/3 OF THE TOTAL CAPACITY PROVIDED IN THE FIRST COMPARTMENT. INLET AND OUTLET PIPING SHALL BE SEALED WITH A POLYETHYLENE GASKET CAST INTO THE PRECAST CONCRETE TANK WALL AND APPLICATION OF WATERPROOF NON-SHRINK MORTAR TO SEAL THE EXTERIOR PIPE ANNULUS. TANK SHALL BE H-20 LOAD CAPACITY. PROVIDE PRECAST CONCRETE TANK RISERS FOR ACCESS MANHOLES AND CAST IRON FRAMES AND COVERS AS INDICATED ON THE DRAWINGS.
- SEPTIC TANK OUTLET FILTERS SHALL BE ORENCO MODEL FT1254-36.
- DISTRIBUTION BOXES, RISERS AND LIDS - POLYETHYLENE CONSTRUCTION AS MANUFACTURED BY TUF-TITE, OR APPROVED EQUAL. FLOW CONTROL FOR DISTRIBUTION BOX OUTLET PIPES TO BE PROVIDED BY POLYETHYLENE SPEED LEVELERS TO FIT SDR-35 PVC PIPE, AS MANUFACTURED BY TUF-TITE, OR APPROVED EQUAL. SIZE AND CONFIGURATION AS SHOWN ON THE DRAWINGS.
- GEOTEXTILE - MIRAFI 140N OR APPROVED EQUAL.
- SAND BEDDING FOR PIPES SHALL BE THOROUGHLY COMPACTED BELOW AND AROUND THE PIPE AND CONFORM TO THE FOLLOWING SPECIFICATIONS, UNLESS OTHERWISE APPROVED BY THE DESIGN ENGINEER.

SQUARE MESH SIEVES	PERCENT PASSING BY WEIGHT
5#	100%
NO. 50	30% MAX.
NO. 200	5% MAX.

- WASHED CRUSHED STONE FOR LEACHING TRENCHES - STONE SHALL BE WASHED, CLEAN STONE OF HARD AND DURABLE NATURAL MATERIAL AND MEET THE FOLLOWING GRADATION LIMITS, UNLESS OTHERWISE APPROVED BY THE SANITARIAN AND DESIGN ENGINEER.

SQUARE MESH SIEVES	PERCENT PASSING BY WEIGHT
2"	100%
1-1/2"	90-100%
1"	20-50%
3/4"	0-10%
3/8"	0-5%
NO. 40	0-3%
NO. 200	0-1%

- LEACHING FILL MATERIAL SHALL BE SAND OR SAND AND GRAVEL MIXTURES FREE OF STUMPS, TRASH, LUMPS OF CLAY, SOFT OR FLAKY MATERIAL OR ORGANIC MATTER, AND CONFORM TO THE FOLLOWING GRADATION LIMITS, UNLESS OTHERWISE APPROVED BY THE SANITARIAN AND DESIGN ENGINEER:

SQUARE MESH SIEVES	PERCENT PASSING BY WEIGHT
1-1/2"	100%
NO. 10	70-95%
NO. 40	15-60%
NO. 100	0-10%
NO. 200	0-3%

FOLLOWING PLACEMENT AND COMPACTION, THE LEACHING FILL MATERIAL SHALL HAVE A PERCOLATION RATE BETWEEN 1 AND 10 MINUTES PER INCH.

- COMMON EARTH FILL - SUBSOIL, REUSED OR IMPORTED, FREE OF FROZEN CLUMPS OF SOIL, ANY MATERIALS CONTAINING VEGETABLE OR ORGANIC MATTER, SUCH AS MUCK, PEAT, ORGANIC SILT OR CLAY, TOPSOIL, SO2, TRASH, BRUSH, STUMPS, OR SOILS CONTAINING HIGH PLASTICITY CLAYS ARE NOT ACCEPTABLE. MAXIMUM STONE SIZE 3 1/2 INCHES.

- GRANULAR FILL - Connecticut Department of Transportation FORM 816 Standard Specifications, Section M.02, Article M.02.01, Article M.02.06 Graveling & Designation.
- PROCESSED AGGREGATE - Connecticut Department of Transportation REFERENCE FILE NO. 163-J, MEDIUM DESIGNATION, MARCH 1963, REV. JUNE 26, 2001.

- CRUSHED STONE - CONFORM TO CTDOT FORM 818, SUBARTICLE M.01.01, SIZE AS INDICATED ON THE DRAWINGS.
- TOPSOIL - CONFORM TO CTDOT FORM 818, SUBARTICLE M.13.01; MAXIMUM STONE SIZE 1".
- SEED MIXTURE TO BE AS FOLLOWS, OR APPROVED EQUAL:
 - BLUEGRASS 10%
 - CREeping RED FESCUE 50%
 - PERENNIAL RYE 30%
 - ANNUAL RYE 10%

APPLICATION RATE FOR NEW LAWN ESTABLISHMENT PER MANUFACTURER SPECIFICATION
MINIMUM GERMINATION 85%

CONSTRUCTION:

- THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR CONSTRUCTION METHODS, MEANS, TECHNIQUES AND FOR CONSTRUCTION SITE SAFETY PRECAUTIONS. CONDUCT CONSTRUCTION OPERATIONS IN CONFORMANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL SAFETY LAWS, RULES, REGULATIONS AND CODES.
- ALL EXCAVATIONS ARE TO BE PROPERLY SHORED AND BARRICADED TO PROTECT WORKERS, VEHICLES AND PEDESTRIANS DURING CONSTRUCTION.
- SEPTIC TANKS MUST BE SEALED WATERTIGHT. FOLLOWING INSTALLATION, CONDUCT LEAK TESTING PER ASTM C1277 VACUUM TEST OR WATER TEST BY PLUGGING INLET AND OUTLET PIPING AND FILL TANKS WITH WATER TO TOP OF TOP SLAB ELEVATION AND LET SET FOR 24 HOURS. LEAK TEST WITH WATER TEST WITH WATER TO TOP OF TOP SLAB FOLLOWING THE 24 HOUR PERIOD. THE TANKS SHALL BE INSPECTED BY THE SANITARIAN PRIOR TO BACKFILLING AND NO INFILTRATION OR EXFILTRATION SHALL BE EVIDENT. ALL VISUAL LEAKAGE AND INFILTRATION IN TANKS AND CHAMBERS SHALL BE LOCATED AND ELIMINATED. REPAIRS SHALL BE MADE IN A FIRST CLASS WORKMANLIKE MANNER. SET ALL TOP OF MANHOLE FRAME ELEVATIONS TO DRAIN SURFACE WATER AWAY FROM THE COVERS. DO NOT SET TANKS IN GROUNDWATER. PROVIDE DEWATERING AS MAY BE REQUIRED. BACKFILL TANKS WITH COMPACTED GRANULAR FILL.
- DURING CONSTRUCTION THE LEACHFIELD SYSTEM AREA SHALL BE PROTECTED FROM SURFACE WATER RUNOFF AT ALL TIMES BY THE USE OF APPROPRIATE BERMING AND/OR SWALES. ANY SILTATION OR SEDIMENTATION OF THE PREPARED SUBGRADE OR THE LEACHING SYSTEM DUE TO SURFACE WATER RUNOFF SHALL REQUIRE REMOVAL AND REINSTALLATION OF ALL AFFECTED PORTIONS OF THE SYSTEM AND IMPACTED SOIL AREAS AT THE SOLE EXPENSE OF THE CONTRACTOR.
- NO UNAUTHORIZED VEHICLES SHALL BE PERMITTED ON, OR WITHIN FIFTY (50) FEET DOWNHILL OF THE PRIMARY AND RESERVE LEACHFIELD SYSTEM AREAS.
- LEACHING FILL MATERIAL SHALL BE SAMPLED AT THE SOURCE AND TESTED BY AN APPROVED COMMERCIAL TESTING LABORATORY FOR CONFORMITY TO THE GRADATION REQUIREMENTS SET FORTH HEREIN. AFTER ACCEPTANCE OF THE PROPOSED LEACHING FILL MATERIAL BASED ON SOURCE TESTING, THE FILL MATERIAL MAY BE DELIVERED TO THE PROJECT SITE BUT IS SUBJECT TO FURTHER TESTING AS DIRECTED BY THE AUTHORIZED INSPECTORS TO CONFIRM THE RESULTS OBTAINED FROM SAMPLING AND TESTING AT THE SOURCE. ANY LEACHING FILL MATERIAL FOUND TO BE NONCONFORMING WITH THE REQUIREMENTS SET FORTH HEREIN SHALL NOT BE USED FOR LEACHING FILL AND SHALL BE REMOVED FROM THE PROJECT SITE, UNLESS OTHERWISE PERMITTED BY THE AUTHORIZED INSPECTORS TO BE USED FOR OTHER COMMON EARTH FILLING OR COVER OPERATIONS.
- REMOVE AND STOCKPILE TOPSOIL AND SUBSOIL FROM LEACHING SYSTEM AREA TO DIMENSIONS AND DEPTHS INDICATED ON ONLY TRACKING AND ONLY TRACKING EXCAVATOR WORKING FROM THE LOWER TO THE UPPER EDGE OF THE LEACHFIELD SYSTEM AREA. LEAVING A SCARIFIED UNCOMPACTED SUBGRADE SURFACE. PLACE ALL LEACHING FILL FROM THE UPPER EDGE OF THE LEACHFIELD SYSTEM AREA AND COMPACT IN 12 INCH LIFTS TO 85% OF MODIFIED PROCTOR DENSITY. PLACE LEACHING FILL TO TOP OF TRENCH ELEVATION.
- REMOVE ANY UNSUITABLE MATERIALS AS ORDERED BY THE AUTHORIZED INSPECTOR OR DESIGN ENGINEER AND REPLACE WITH LEACHING FILL MATERIAL. COMPACT IN 12" LIFTS TO 85% OF MODIFIED PROCTOR DENSITY.
- FOLLOWING TRENCHING FOR LEACHING TRENCH INSTALLATION, LIGHTLY HAND RAKE ANY SMOOVED SOIL SURFACES ON THE BOTTOM OR SIDE WALLS OF THE TRENCH PRIOR TO PLACEMENT OF WASHED CRUSHED STONE.
- AFTER LEACHING TRENCH WASHED CRUSHED STONE, PIPING AND DISTRIBUTION BOXES FOR THE LEACHING SYSTEM HAVE BEEN INSTALLED, INSPECTED AND RECORD DRAWING SURVEY MEASUREMENTS OBTAINED, PLACE APPROVED NON-WOVEN GEOTEXTILE FABRIC OVER ALL CRUSHED STONE SURFACES. BACKFILL WITH GRANULAR FILL TO SUBGRADE IN PAVED AREAS. BACKFILL WITH COMMON EARTH TO FOUR (4) INCHES BELOW FINISHED GRADE IN NON-PAVED AREAS. APPLY 4 INCHES OF TOPSOIL TO ALL NON-PAVED AREAS.
- IN DRIVEWAY AREAS BACKFILL WITH GRANULAR FILL TO 8 INCHES BELOW FINAL GRADE. PLACE THE GRANULAR FILL IN 12 INCH MAXIMUM LIFTS COMPACTED TO 95% OF MODIFIED PROCTOR DENSITY. PROVIDE AN 8 INCH SURFACE COURSE OF PROCESSED AGGREGATE AND COMPACT TO 95% OF MODIFIED PROCTOR DENSITY.
- IN ALL NON-PAVED AREAS DISTURBED BY CONSTRUCTION, PLACE 4 INCHES OF TOPSOIL, FINE GRADE. REMOVE ALL STONES OVER 1" DIAMETER. FERTILIZE, LIME, SEED AND MULCH TO ESTABLISH A FULL PERENNIAL GRASS COVER. USE EROSION CONTROL BLANKET ON ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL.
- REMOVE ALL STUMPS, STONES, EXCESS EXCAVATED MATERIAL AND CONSTRUCTION DEBRIS FROM THE SITE AND DISPOSE OFF SITE IN A LEGAL MANNER.

EROSION AND SEDIMENT CONTROL:

- PRIOR TO CONSTRUCTION, THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE PERSON RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF ALL SEDIMENT AND EROSION CONTROLS SHALL BE PROVIDED TO THE SANITARIAN AND TOWN ZONING OFFICIAL AND WETLANDS ENFORCEMENT OFFICER.
- ALL CONSTRUCTION ACTIVITIES INVOLVING THE REMOVAL, DISTURBANCE OR DEPOSITION OF SOILS ARE TO BE PROVIDED WITH APPROPRIATE PROTECTIVE MEASURES TO MINIMIZE EROSION OF SOIL AND CONTAIN SEDIMENT DEPOSITION WITHIN THE AREA UNDER CONSTRUCTION (REFER TO 2024 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL).
- WHEREVER FEASIBLE, NATURAL VEGETATION SHALL BE RETAINED AND PROTECTED.
- ONLY THE SMALLEST PRACTICAL AREA OF LAND SHALL BE EXPOSED AT ANY ONE TIME DURING CONSTRUCTION.
- PRIOR TO THE START OF CONSTRUCTION, TEMPORARY BALED HAY EROSION CHECKS, SEDIMENTATION FENCES, CONSTRUCTION ENTRANCE AND OTHER APPROVED SEDIMENT CONTROL MEASURES SHALL BE INSTALLED WHERE SHOWN ON THE DRAWINGS AND AT OTHER LOCATIONS WHERE DEEMED NECESSARY BY THE AUTHORIZED INSPECTOR AND DESIGN ENGINEER.
- WHEN LAND IS EXPOSED DURING CONSTRUCTION, THE PERIOD OF EXPOSURE SHALL BE KEPT TO A MINIMUM, INSTALLING PERMANENT VEGETATION, PAVING, STRUCTURES, ETC. AT THE EARLIEST POSSIBLE OPPORTUNITY. AREAS DISTURBED FOR GREATER THAN 1 MONTH SHALL BE PROVIDED WITH TEMPORARY SEEDING AND MULCH.
- ALL EROSION AND SEDIMENT CONTROLS SHALL REMAIN PLACE AND BE MAINTAINED REGULARLY IN PROPERLY FUNCTIONING CONDITION, UNTIL ALL AREAS EXPOSED DURING SITE CONSTRUCTION HAVE BEEN FULLY STABILIZED WITH VEGETATION.
- AFTER THE SITE IS STABILIZED WITH A FULL GROWTH OF VEGETATION, REMOVE ALL EROSION AND SEDIMENT CONTROL MEASURES. SEED AND MULCH AREAS DISTURBED DURING SEDIMENT CONTROL. MEASURE REMOVAL AND DISPOSE MATERIALS OFF SITE IN A LEGAL MANNER.

SUBSURFACE SEWAGE DISPOSAL SYSTEM - BASIS OF DESIGN

DESIGN FLOW NOT YET DETERMINED BUT WILL BE SITE LIMITED BASED ON WASTEWATER STRENGTH, MAXIMIZE SITE HYDRAULIC CAPACITY

TOTAL DESIGN FLOW = GPD

SEPTIC TANKS

REPLACE EXISTING SEPTIC TANK LOCATED EAST OF BUILDING NO. 73 WITH 2,500 GALLON TWO COMPARTMENT PRECAST CONCRETE H-20 LOAD CAPACITY SEPTIC TANK WITH EFFLUENT FILTER

REPLACE EXISTING SEPTIC TANK LOCATED AT DSN-002 WITH 2,500 GALLON TWO COMPARTMENT PRECAST CONCRETE H-20 LOAD CAPACITY SEPTIC TANK WITH EFFLUENT FILTER

TOTAL SEPTIC TANK CAPACITY = 2,500 + 2,500 = 5,000 GALLONS

LEACHFIELD SYSTEM SIZING

EFFECTIVE LEACHING AREA (ELA) REQUIRED USING PERCOLATION RATE 10:1-20:0 MINUTES/INCH

USE 48 INCH WIDE X 12 INCH DEEP LEACHING TRENCHES, ELA = 3 SQ FT/LF, CC SPACING 8 FT USE 12 LEACHING TRENCHES 64 FT LONG EACH WITH DISTRIBUTION BOX IN THE CENTER OF EACH TRENCH

TOTAL ELA PROVIDED = 768 FT X 3 SQ FT/FT = 2,304 SQ FT

PROVIDE 100% RESERVE AREA

RESERVE CAPACITY PROVIDED IN PRIMARY LEACHING SYSTEM

FOR NON-PROBLEMATIC WASTEWATER, 2,400 GPD

FOR PROBLEMATIC WASTEWATER, 1,610 GPD

CONFIGURATION - SET BOTTOM OF NEW LEACHING TRENCHES AT 6 INCHES BELOW EXISTING GRADE IN LEACHING FILL MATERIAL

PROVIDE FLOW SPLITTER DISTRIBUTION BOX TO LOAD THE EXISTING LEACHING TRENCHES AND NEW LEACHING TRENCHES EQUALLY AND PROVIDE HIGH LEVEL OVERFLOW FROM LOWEST EXISTING LEACHING TRENCH TO THE 3 NEW LEACHING TRENCHES. PROVIDE DEPTH OF PONDING MONITORING PIPES IN ALL LEACHING TRENCHES TO ALLOW SYSTEM MONITORING AND FLOW ADJUSTMENT AT THE FLOW SPLITTER DISTRIBUTION BOX. USE HIGH LEVEL OVERFLOW DISTRIBUTION IN THE 3 NEW LEACHING TRENCHES.

MINIMUM LEACHING SYSTEM SPREAD MILS

MLS = HF X FF X PF

HF = HYDRAULIC FACTOR

PF = PERCOLATION FACTOR

FF = FLOW FACTOR

SOIL TEST PITS NO. 108 AND 107 LOCATED IN LEACHFIELD SYSTEM EXPANSION AREA DEPTH TO RESTRICTIVE LAYER.
TEST PIT NO. 108 FIRM TO COMPACT SOIL 28 INCHES, FAINT MOTTLING 30 INCHES
TEST PIT NO. 107 FIRM TO COMPACT SOIL 24 INCHES, FAINT MOTTLING 28 INCHES
USE RESTRICTIVE LAYER DEPTH OF 24 INCHES

HYDRAULIC GRADIENT 10.8%

HF = 28

PF = 400 GPD/300 GPD = 8

FF = PERCOLATION RATE OF 10:1-20:0 MINUTES/INCH PERCOLATION TEST, PF = 1.25

MLS = 28 X 8 X 1.25 = 280 FT

SYSTEM SPREAD PROVIDED = 270 FT

TEST PIT DATA

OWNER: TOWN OF BOLTON

LOCATION: ROSE FARM

MUNICIPALITY: BOLTON, CONNECTICUT

PROJECT NO.: 963-0014

TEST PITS 1-5 CONDUCTED ON APRIL 10, 2008 AND LOGGED BY JOSEPH M. DILLON, P.E.

TEST PIT 1

0-10" TOPSOIL
10-21" VERY FIRM BROWN FINE SAND AND SILT, TRACE FINE GRAVEL
21-90" DENSE BROWN FINE SAND, SOME SILT, LITTLE FINE GRAVEL (TILL)

TEST PIT 2

GWT 66"
MOTTLING 18"
BEDROCK NONE
BOULDERS 40"
0-6" TOPSOIL
6-16" COMPACT BROWN FINE SAND, SOME SILT, LITTLE FINE GRAVEL
16-96" DENSELY COMPACTED BROWN FINE-MEDIUM SAND, SOME SILT, SOME FINE-MEDIUM GRAVEL

TEST PIT 3

GWT 64"
MOTTLING 12"
BEDROCK NONE
CORE SAMPLE 16"
BAG SAMPLE 18"
0-8" TOPSOIL
8-27" COMPACT BROWN FINE SAND, SOME SILT, LITTLE FINE-MEDIUM GRAVEL
27-100" DENSELY COMPACTED BROWN FINE SAND, SOME SILT, LITTLE-SOME FINE-MEDIUM GRAVEL

TEST PIT 4

GWT 58"
MOTTLING 18"
BEDROCK NONE
NESTED BOULDERS 0-36"
0-9" TOPSOIL
9-16" COMPACT BROWN FINE SAND AND SILT, LITTLE FINE-MEDIUM GRAVEL
16-61" SANDY TILL

TEST PIT 5

GWT 54"
MOTTLING 18"
BEDROCK NONE
0-7" TOPSOIL
7-18" COMPACT BROWN FINE SAND WITH SILT, LITTLE FINE-MEDIUM GRAVEL
18- DENSELY COMPACT TILL

SOIL PERCOLATION TEST DATA RECORD

OWNER: TOWN OF BOLTON

SITE ADDRESS: ROSE FARM, BOLTON CENTER ROAD, BOLTON CT

MUNICIPALITY: TOWN OF BOLTON

DATE: APRIL 11, 2008

WEATHER:

DEG. F

PERCOLATION TEST NO.:

DEPTH BELOW GROUND SURFACE: "

TIME OF PRESOAK: AM/ HOLE DRY BY PM

Time	Elapsed Time (min.)	Reference to water (in.)	Water Level Drop in Time Interval (in.)	Average Water Level Drop (min./in.)
12:15 PM	05:00	6.00	3.50	01:26
12:20 PM	05:00	9.50	2.25	02:13
12:25 PM	05:00	11.75	1.25	04:00
12:30 PM	05:00	13.00	1.00	05:00
12:35 PM	05:00	14.00	0.88	05:43
12:40 PM	05:00	14.88	0.63	08:00
12:45 PM	05:00	15.50	0.50	10:00
12:50 PM	05:00	16.00	0.75	06:40
12:55 PM	05:00	16.75	0.38	13:20
1:00 PM	05:00	17.13	0.50	10:00
1:05 PM	05:00	17.63	0.38	13:20
1:10 PM	05:00	18.00	0.50	10:00
1:15 PM	05:00	18.50		

TEST PERFORMED BY: JOSEPH M. DILLON, P.E.

COMMENTS:

Nathan L. Jacobson & Associates, Inc.
Chester Connecticut (860) 526-9591

NOTES:

-

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TOWN OF
BOLTON, CONNECTICUT

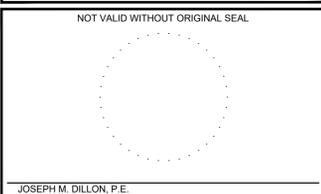
TOWN CENTER
SUBSURFACE
SEWAGE DISPOSAL
SYSTEM

PROJECT NOTES AND SOIL INFORMATION

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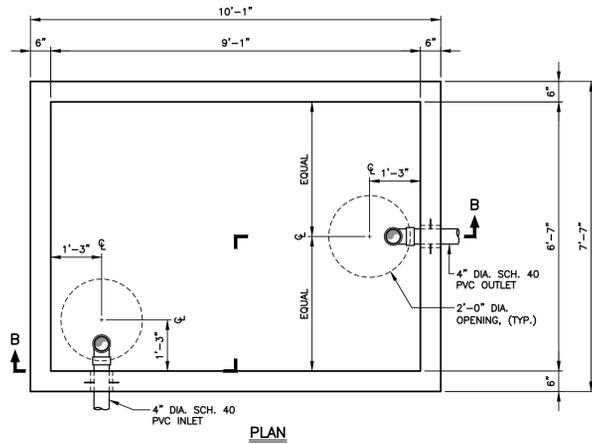


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CT REGISTRATION No. 22903

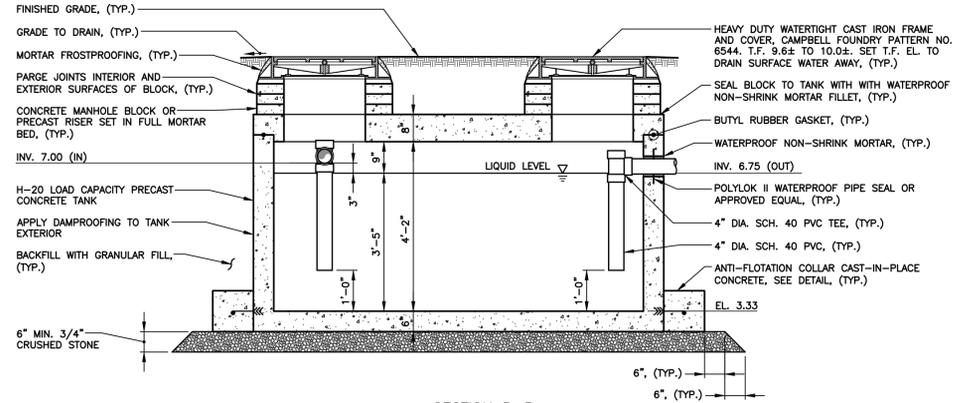
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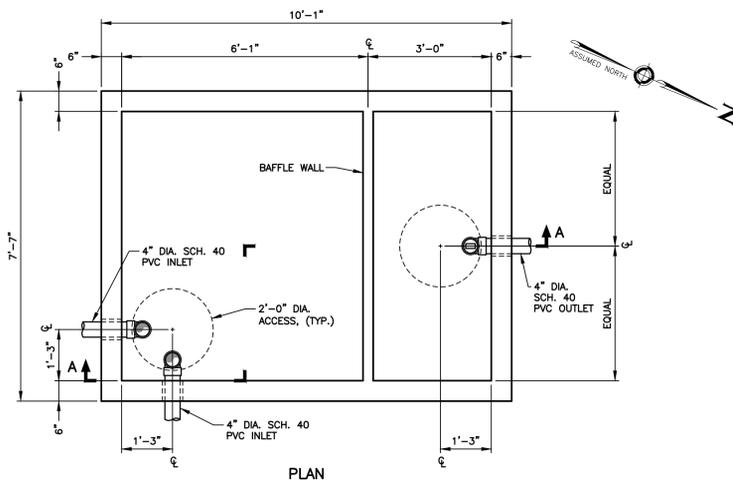
DATE: JULY 2025	SHEET No.:
SCALE: AS NOTED	11 OF 14
PROJECT No.: 09630053	
CADD FILE: 09630053NOTES	
DESIGNED: BCCJMD	
DRAWN: CEB	
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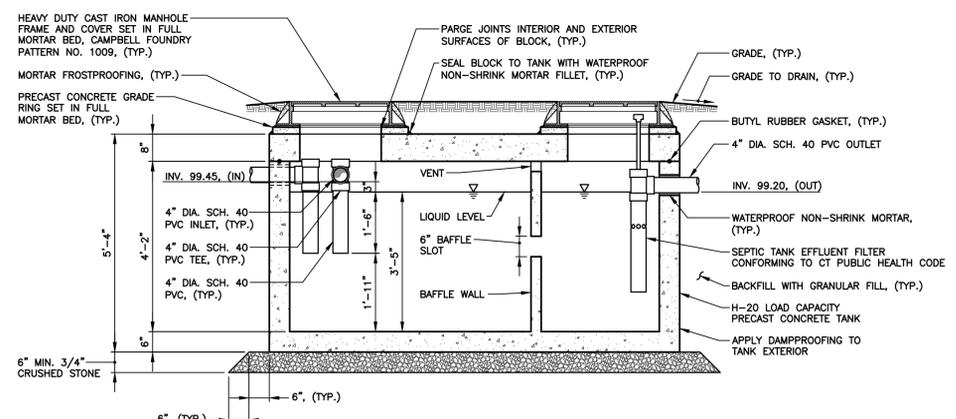
PLAN



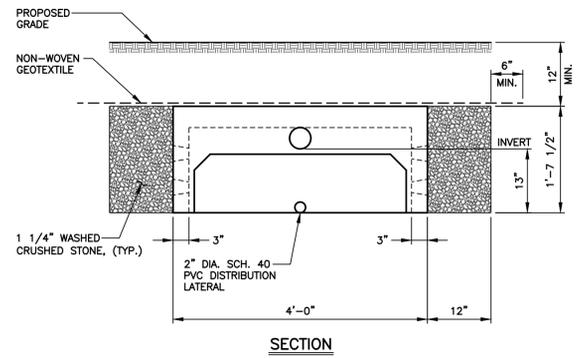
SECTION B-B
1,500 GALLON GREASE TRAP
SCALE: 1/2" = 1'-0"



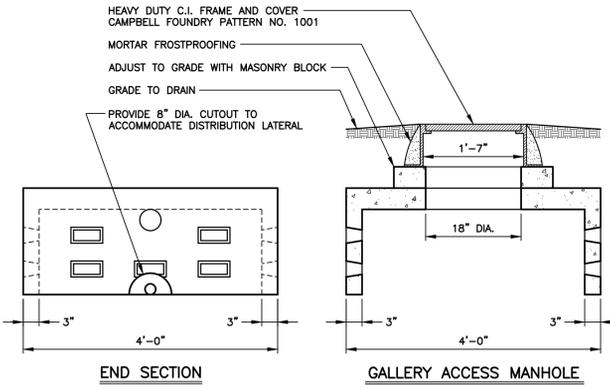
PLAN



SECTION A-A
1,500 GALLON SEPTIC TANK
SCALE: 1/2" = 1'-0"

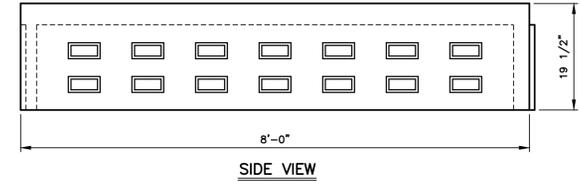


SECTION



END SECTION

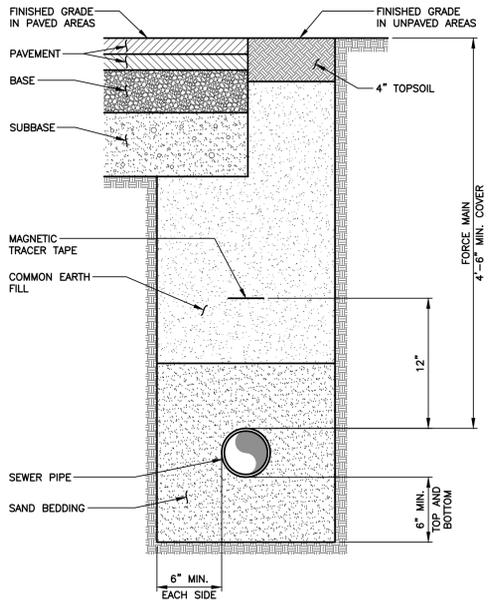
GALLERY ACCESS MANHOLE



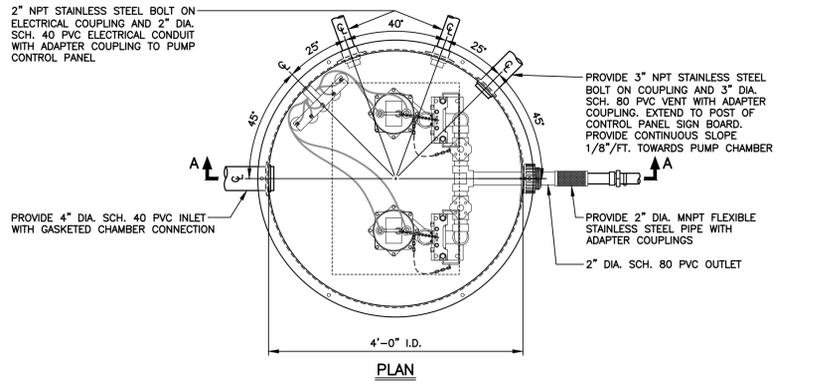
SIDE VIEW

PRECAST CONCRETE LEACHING GALLERY
SCALE: 3/4" = 1'-0"

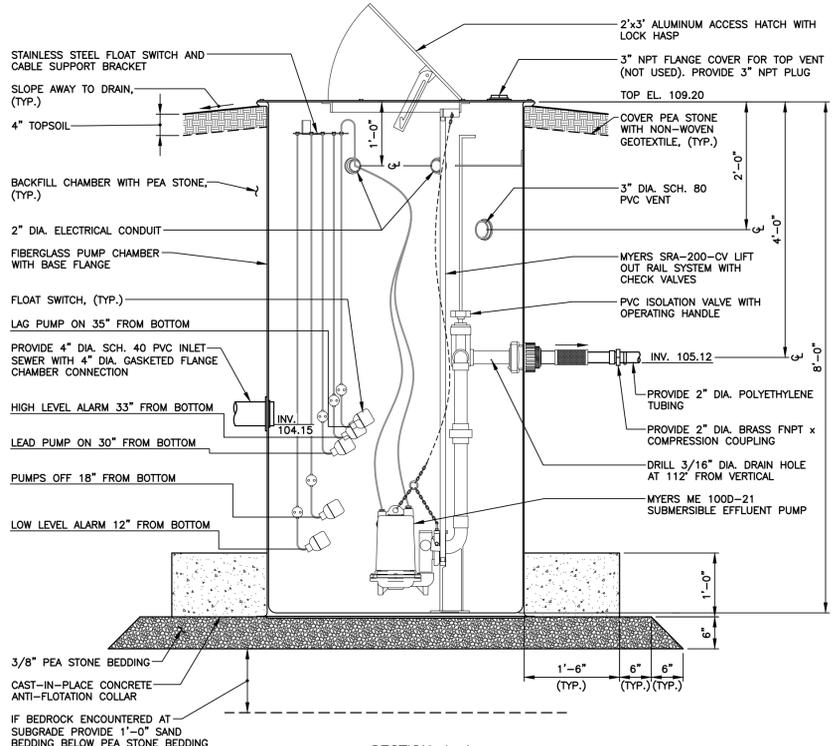
- NOTES:
- H-20 LOAD CAPACITY.



PIPE BEDDING DETAIL
(AREAS ≥ 3 FEET OF COVER)
N.T.S.



PLAN



SECTION A-A
PUMP CHAMBER
SCALE: 3/4" = 1'-0"

- NOTES:
- PUMP CHAMBER, PUMPS, INTERNAL COMPONENTS, FLOAT SWITCHES AND CONTROL PANEL PROVIDED BY OWNER FOR INSTALLATION BY CONTRACTOR. CONTRACTOR SHALL PROVIDE ALL EXTERNAL COMPONENTS AND VENT PENETRATION WITH FITTINGS.

NOTES:

-

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SUBSURFACE
SEWAGE DISPOSAL
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No.	DESCRIPTION	DATE

DATE:	JULY 2025	SHEET No.:
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PROJECT No.:	09630053	
CADD FILE:	09630053.D	
DESIGNED:	BCCJMD	
DRAWN:	CEB	
CHECKED:		

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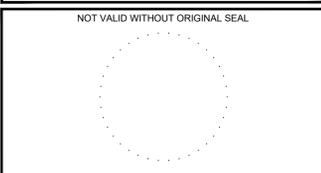
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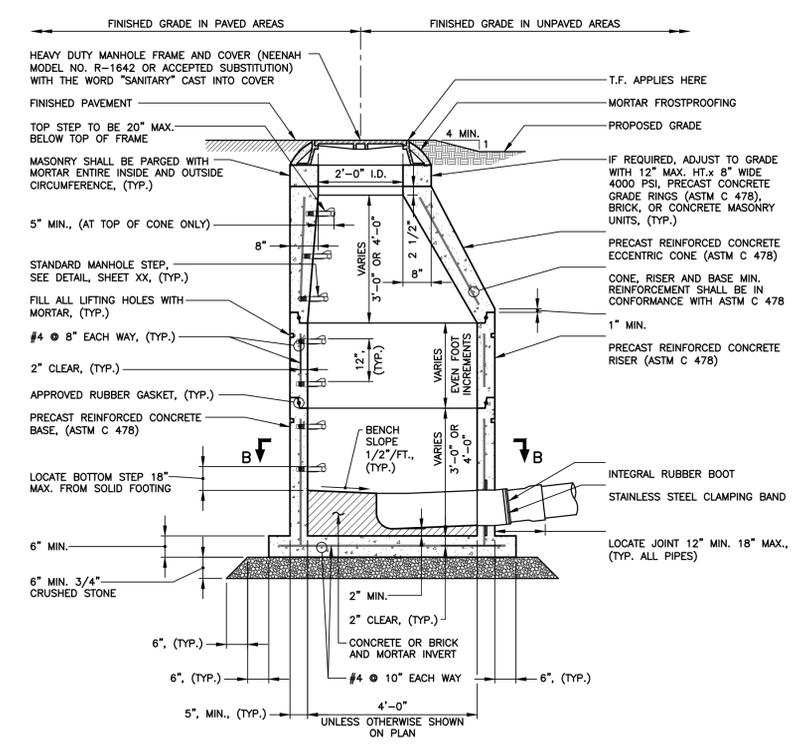
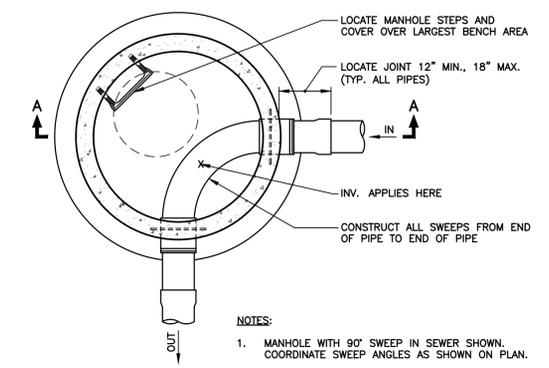


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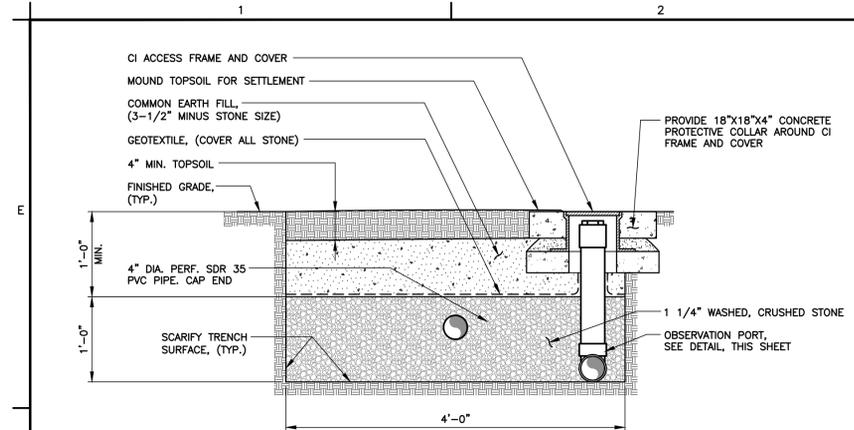
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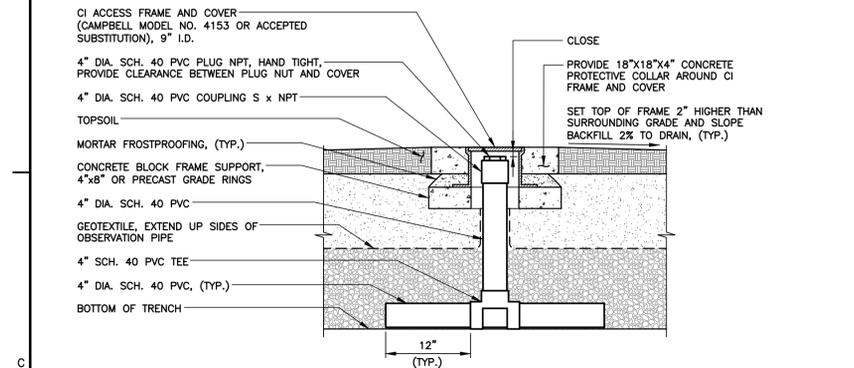
SECTION A-A
STANDARD PRECAST SANITARY MANHOLE
N.T.S.

NOTES:
1. WHEN 5' OR 6' DIAMETER BASES ARE SPECIFIED ON THE PLANS, PRECAST REINFORCED CONCRETE TRANSITION SECTIONS SHALL BE PLACED ABOVE THE BASES. WALL THICKNESSES SHALL INCREASE 1" FOR EACH 1' INCREASE IN INSIDE DIAMETER OF BASE.



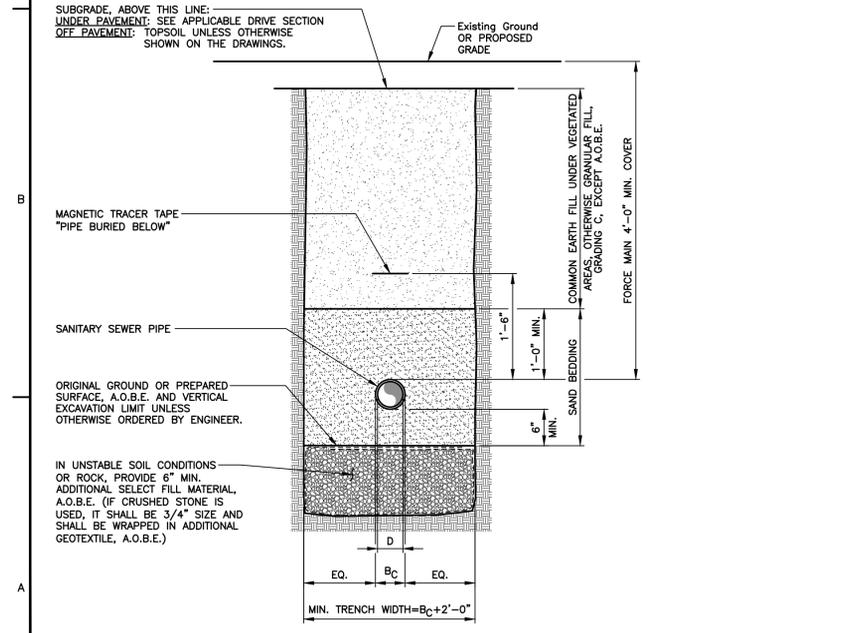
**TYPICAL TRENCH DETAIL
LEACHING TRENCH**
N.T.S.

- NOTES:
1. PRIOR TO PLACEMENT OF LEACHING FILL, REMOVE TOPSOIL AND SUBSOIL AND PLACE COMPACTED LEACHING FILL TO THE ABOVE SPECIFIED HORIZONTAL AND VERTICAL LIMITS.
 2. PLACE LEACHING FILL CONCURRENTLY WITH SURROUNDING COMMON FILL.



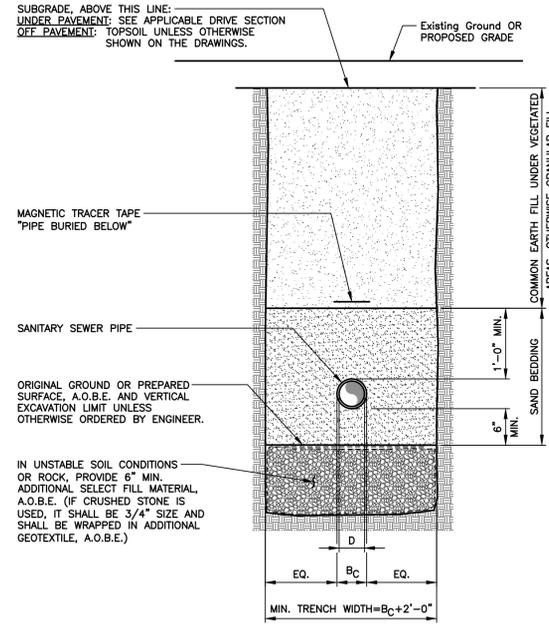
DEPTH OF PONDING OBSERVATION PORT
N.T.S.

- NOTES:
1. SOLVENT WELD ALL PIPE JOINTS.
 2. PROVIDE ONE OBSERVATION PORT PER LEACHING TRENCH.



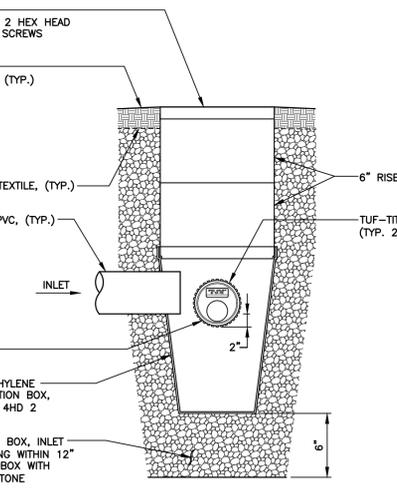
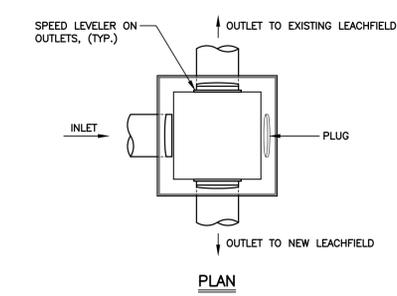
**TYPICAL TRENCH SECTION
SANITARY SEWER/FORCE MAIN PIPE**
N.T.S.

- NOTES:
1. CONTRACTOR SHALL PROTECT EXCAVATIONS BY SHORING, BRACING, SHEET PILING, UNDERPINNING OR OTHER METHODS TO PREVENT CAVE-IN OR LOOSE SOIL FROM FALLING INTO THE EXCAVATION AND DAMAGING THE WORK OR ADJACENT STRUCTURES AND UTILITIES.



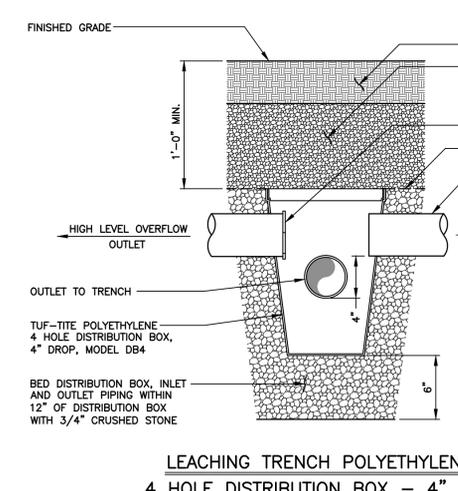
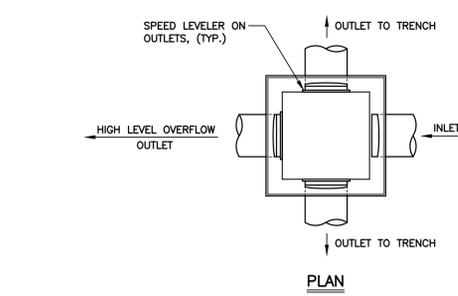
**TYPICAL TRENCH SECTION
SANITARY SEWER PIPE**
N.T.S.

- NOTES:
1. CONTRACTOR SHALL PROTECT EXCAVATIONS BY SHORING, BRACING, SHEET PILING, UNDERPINNING OR OTHER METHODS TO PREVENT CAVE-IN OR LOOSE SOIL FROM FALLING INTO THE EXCAVATION AND DAMAGING THE WORK OR ADJACENT STRUCTURES AND UTILITIES.



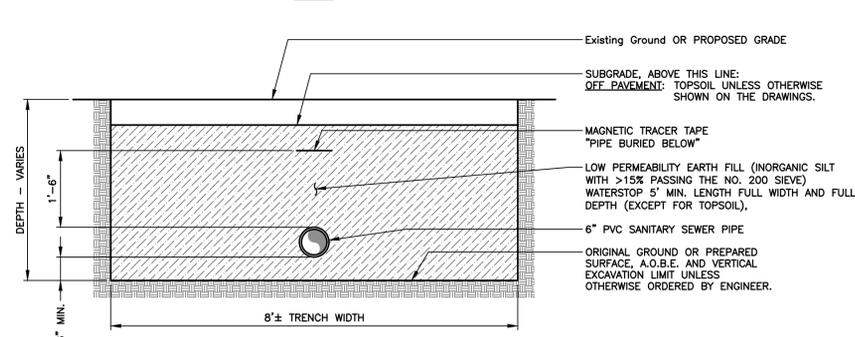
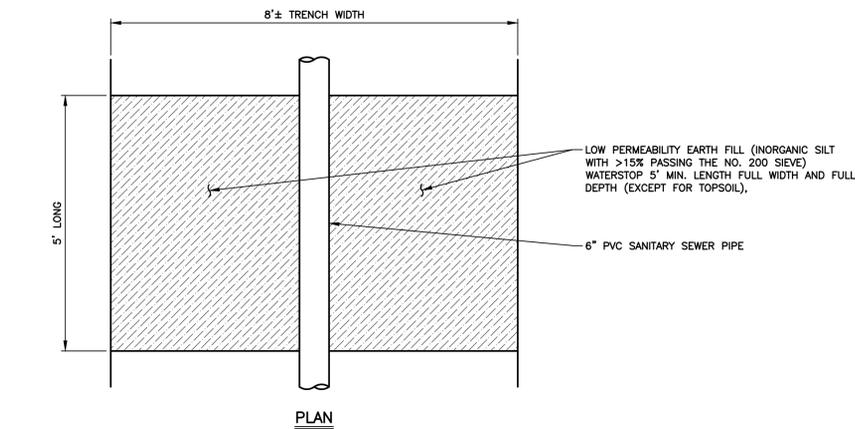
**FLOW SPLITTER POLYETHYLENE
4 HOLE DISTRIBUTION BOX - 2\"/>**

- NOTES:
1. IF NO OUTLET, PROVIDE P-10 PLUG.



**LEACHING TRENCH POLYETHYLENE
4 HOLE DISTRIBUTION BOX - 4\"/>**

- NOTES:
1. IF NO OUTLET, PROVIDE P-10 PLUG.
 2. TUF-TITE MODEL DB4.



**TYPICAL TRENCH SECTION
SANITARY SEWER TRENCH DAM**
N.T.S.

- NOTES:
1. CONTRACTOR SHALL PROTECT EXCAVATIONS BY SHORING, BRACING, SHEET PILING, UNDERPINNING OR OTHER METHODS TO PREVENT CAVE-IN OR LOOSE SOIL FROM FALLING INTO THE EXCAVATION AND DAMAGING THE WORK OR ADJACENT STRUCTURES AND UTILITIES.

NOTES:

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BOLTON, CONNECTICUT**

**TOWN CENTER
SUBSURFACE
SEWAGE DISPOSAL
SYSTEM**

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www.nlja.com
Consulting Civil and Environmental Engineers Since 1972

NOT VALID WITHOUT ORIGINAL SEAL

JOSEPH M. DILLON, P.E.
CT REGISTRATION No. 22903

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REVISIONS		
No.	DESCRIPTION	DATE
1	IWC COMMENTS	1/15/26

I:\Civi 3D\09630053_Production Drawings\09630053.DT.dwg, 1/16/2026 10:13:17 AM, AutoCAD PDF (General Documentation).pc3

WELTI GEOTECHNICAL, P.C.

227 Williams Street · P.O. Box 397
Glastonbury, CT 06033-0397

(860) 633-4623 / FAX (860) 657-2514

October 17, 2025

Mr. Joseph M. Dillon, P.E.
Nathan L. Jacobson & Associates
86 Main Street, P.O. Box 337
Chester, CT 06412-0337

Re: Test Boring and Geotechnical Report on Proposed Helical Pile Support for Heritage Farm Trail Boardwalk, Bolton, CT

Dear Joe:

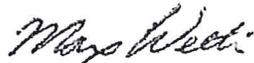
From the scale on the plan the boardwalk appears to be about 500 feet in length. It is proposed to drill 5 borings to a depth of 15 feet or to refusal if above 15 feet. It is presumed that access to the proposed trail area with a track mounted drilling would be allowed.

A geotechnical report would be provided soil properties design parameters and estimated lengths for the helical piles to achieve the required design loading.

The lump sum charge for the borings and the geotechnical study would be \$5,500.

If you have any questions, please call me.

Very truly yours,



Max Welti, P. E.

Palazzini, Danielle

From: Elliott Andelman <elliott@directionaltech.com>
Sent: Thursday, December 11, 2025 11:14 AM
To: Joseph M. Dillon
Subject: Re: Directional Drilling Follow-Up

Hi Joe,

I chatted with our team and we would most likely come in around \$20k per day for the directional drilling portion of the work. Assuming conditions are ok, we'd estimate ~5 days to get that done. This includes prevailing wage rates.

Thank you



Elliott Andelman
Professional Geologist
o: 877.788.4479 | **c:** 203.836.4280
w: directionaltech.com
Design | Environmental | Utility
Your solution for complex sites.

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elliott@directionaltech.com | www.directionaltech.com

On Thu, Dec 11, 2025 at 8:35 AM Joseph M. Dillon <jdillon@nlja.com> wrote:

Elliott,

Did you have a chance to put together some pricing for the sewer project. We really just need budgetary numbers at this point as things may change slightly during the final design phase.

Thank you,

Joe

From: Elliott Andelman <elliott@directionaltech.com>
Sent: Monday, December 8, 2025 3:41 PM
To: Joseph M. Dillon <jdillon@nlja.com>
Subject: Directional Drilling Follow-Up



Encompass IT couldn't recognize this email as this is the first time you received an email from this sender elliott@directionaltech.com

Hi Joe,

Thanks for taking a few minutes to chat with me today. If you have those specs on hand, please forward them and I'll take a look.

Meanwhile, I'll get looking at some pricing.

Thanks!



Elliott Andelman

Professional Geologist

o: 877.788.4479 | **c:** 203.836.4280

w: directionaltech.com

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April 14, 2025

Mr. Wade Thomas, CPESC, CPSWQ, CPMSM
Nathan Jacobson and Associates
86 Main Street
Chester, CT 06412

RE: Wetland Delineation, Bolton Town Center SSDS, Bolton

Mr. Thomas,

At your request, I conducted an inspection south of the Bolton Town Library for the above-referenced project on April 10, 2025. The purpose of the inspection was to delineate Connecticut jurisdictional wetlands and watercourses. The inspection was conducted by a soil scientist according to the requirements of the Connecticut Inland Wetlands and Watercourses Act (P.A. 155). Inland wetlands include soil types designated as poorly drained, very poorly drained, alluvial, and floodplain by the National Cooperative Soils Survey as may be amended from time to time, of the National Resources Conservation Service (NRCS).

Wetlands were delineated by examining the upper 20" of the soil profile with a spade and auger. Those areas meeting the requirements noted above were marked with pink flags and numbered with the following sequence: WF 1/15. The delineated wetland is located in a wooded depression just south of the Bolton Town Library. This area receives stormwater inputs from surrounding uplands. The wetland is seasonally saturated and predominantly vegetated with red maple in the overstory and spicebush in the shrub layer. It appears to outlet to the east towards a catch basin along Toomey Road.

Digitally available soil survey information was obtained from the Natural Resources Conservation Service (refer to NRCS Soil Map, attached). The following is a description of wetland and upland soil types observed on the site.

Wetland soils consist of Ridgebury and Leicester soils. The Ridgebury series consists of very deep, somewhat poorly and poorly drained soils formed in glacial till derived mainly from granite, gneiss and schist. They are nearly level to gently sloping soils in low areas in uplands. This series includes phases that are poorly drained and the wetter part of somewhat poorly drained. A perched, fluctuating water table above the dense till saturates the solum to or near the surface for 7 to 9 months of the year. The Leicester series consists of very deep, poorly drained loamy soils formed in friable till. They are nearly level or gently sloping soils in drainageways and low-lying positions on hills. Depth to bedrock is commonly more than 6 feet. Rock fragments range from 5 to 35 percent by volume to a depth of 40 inches and up to 50 percent below 40 inches. Leicester soils have a water table at or near the surface much of the year.

The non-wetland soils were not examined in detail, except as was necessary to identify the wetland boundary. They generally consist of Paxton and Montauk fine sandy loams. The Paxton series consists of well drained loamy soils formed in subglacial till. The soils are very deep to bedrock and moderately deep to a densic contact (known locally as hardpan). They are nearly level to steep soils on till plains, hills, and drumlins. The depth to the densic contact and material is commonly 20 to 40 inches but the range includes 18 to 40 inches. Depth to bedrock is commonly more than 6 feet. Rock fragments range from 5 to 35 percent by volume. The Montauk series consists of very deep, well drained soils formed in glacial till derived primarily from granitic materials. These soils are on upland till plains and moraines. Slope ranges from 0 to 35 percent. The landscape in some areas has many closed depressions, some of which are filled by perennial ponds or wet spots. The soils formed in thick moderately coarse or medium textured glacial till mantles underlain by firm sandy till. Some areas have very stony or extremely stony surfaces. The potential for runoff is low to high. Permeability is moderate or moderately rapid in the solum and slow or moderately slow in the substratum.

Respectfully submitted,



Matthew Davison
PSS, PWS, CPESC, CESSWI, CT Forester
matt@davisonenvironmental.com
www.davisonenvironmental.com

Attachments: (1) Wetland Photographs; (2) NRCS Soil Survey Mapping; (3) Wetland Delineation Sketch Map

WETLAND PHOTOGRAPHS



Photo 1: View of wetland looking south from library



Photo 2: View of wetland looking west towards Old Bolton Road

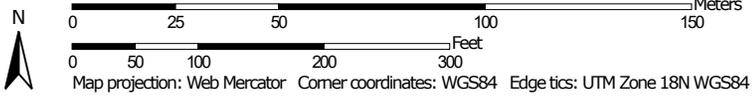
NRCS SOIL SURVEY MAPPING

Soil Map—State of Connecticut, Eastern Part
(Bolton Town Center SSDS)



Soil Map may not be valid at this scale.

Map Scale: 1:1,820 if printed on A landscape (11" x 8.5") sheet.



MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: State of Connecticut, Eastern Part
Survey Area Data: Version 2, Aug 30, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

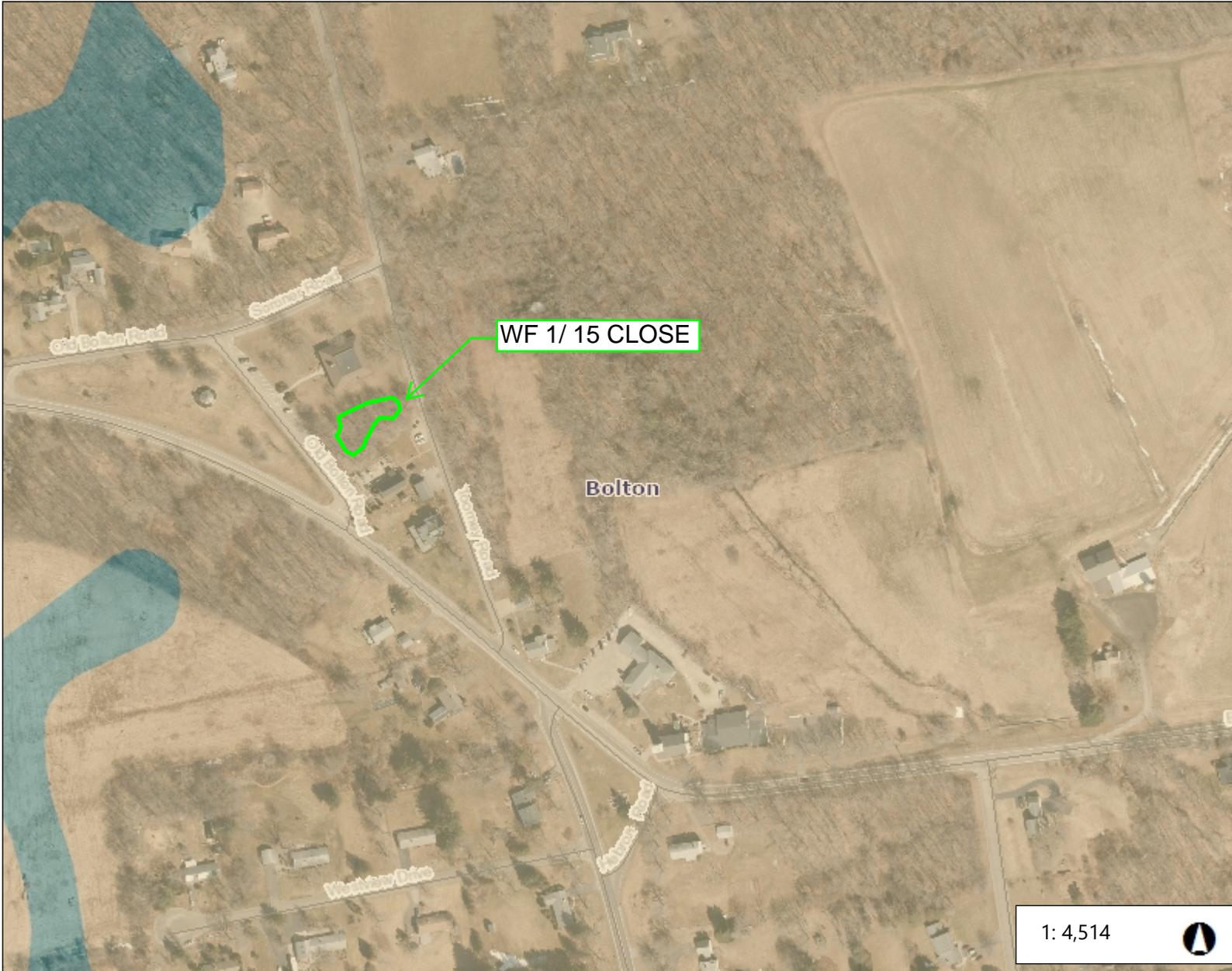
Date(s) aerial images were photographed: Jun 14, 2022—Oct 6, 2022

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
45A	Woodbridge fine sandy loam, 0 to 3 percent slopes	1.2	10.2%
85B	Paxton and Montauk fine sandy loams, 3 to 8 percent slopes, very stony	9.4	77.8%
85C	Paxton and Montauk fine sandy loams, 8 to 15 percent slopes, very stony	1.5	12.1%
Totals for Area of Interest		12.1	100.0%

WETLAND DELINEATION SKETCH MAP



Legend

Town Boundary

- State Boundary
- Town Boundary
- Coastline

Soils Hydric Rating

- Not Hydric (0%)
- Hydric (1 - 32%)
- Hydric (33 - 65%)
- Hydric (66 - 99%)
- Hydric (100%)

Geographic Names7

Geographic Place 3

Airport

- Airport
- Heliport

→ Railroad

Streets

- Interstate Highway
- US Highway
- State Highway
- Primary limited-access
- Ramp
- Street
- Ferry crossing

County Line

- State Boundary

Notes

0.1 0 0.07 0.1 Miles

This map is intended for general planning, management, education, and research purposes only. Data shown on this map may not be complete or current. The data shown may have been compiled at different times and at different map scales, which may not match the scale at which the data is shown on this map.

1: 4,514



List of Adjacent Properties

206 Bolton Center Rd

HANS CHRISTIAN ANDERSEN	212 BOLTON CENTER RD	BOLTON, CT 06043
BOLTON TOWN OF	206 BOLTON CENTER RD	BOLTON, CT 06043

220 Bolton Center Rd

BOLTON TOWN OF	222 BOLTON CENTER RD	BOLTON, CT 06043
LANE WILLIAM J & MICHELE L	17 TOOMEY RD	BOLTON, CT 06043
BOLTON TOWN OF	222 BOLTON CENTER ROAD	BOLTON, CT 06043
BOLTON CONGREGATIONAL CHURCH INC	228 BOLTON CENTER RD	BOLTON, CT 06043
BOLTON CONGREGATIONAL CHURCH INC	228 BOLTON CENTER RD	BOLTON, CT 06043
BOLTON TOWN OF	222 BOLTON CENTER ROAD	BOLTON, CT 06043
BEEBE REBECCA	21 TOOMEY RD	BOLTON, CT 06043

222 Bolton Center Rd

BOLTON TOWN OF	222 BOLTON CENTER RD	BOLTON, CT 06043
BOLTON CONGREGATIONAL CHURCH INC	228 BOLTON CENTER RD	BOLTON, CT 06043
BOLTON CONGREGATIONAL CHURCH INC	228 BOLTON CENTER RD	BOLTON, CT 06043
BOLTON TOWN OF	222 BOLTON CENTER ROAD	BOLTON, CT 06043

266 Bolton Center Rd

HULL THOMAS	19 MAPLE VALLEY RD	BOLTON, CT 06043
HANLON ALEXANDRA	84 MAPLE VALLEY RD	BOLTON, CT 06043
ROSE RICHARD L & MARY ANN	18 STEELES CROSSING RD	BOLTON, CT 06043
ASPINALL KATHLEEN ROSE & DANA P	6 STEELES CROSSING RD	BOLTON, CT 06043
SCHERR JOSEPH D & SHERR KATHLEEN M	280 BOLTON CENTER RD	BOLTON, CT 06043
BOLTON TOWN OF	222 BOLTON CENTER ROAD	BOLTON, CT 06043
BOLTON TOWN OF	222 BOLTON CENTER ROAD	BOLTON, CT 06043
BEEBE REBECCA	21 TOOMEY RD	BOLTON, CT 06043
GUDAUSKAS RANDY W & ANDREA R	27 MAPLE VALLEY RD	BOLTON, CT 06043
KEELER MICHAEL D	88 MAPLE VALLEY RD	BOLTON, CT 06043
PROTSAILO LESIA V & BOKSHAN EVAN TARAS	78 MAPLE VALLEY RD	BOLTON, CT 06043
CLAVET MARCEL G & SANDRA L	70 MAPLE VALLEY RD	BOLTON, CT 06043
CONNECTICUT STATE OF	79 ELM ST	HARTFORD, CT 06106

**BOLTON INLAND WETLANDS COMMISSION
REGULAR MEETING
7:00 P.M., TUESDAY, DECEMBER 16, 2025
VIRTUAL MEETING VIA ZOOM**

Inland Wetlands Commission Members Present Via Zoom: Chair Ross Lally, Member Michael McDonnell, Vice Chair James Loersch, Member Diane DeNunzio. Absent was Member David Lynn.

Staff Present Via Zoom: Wetlands Agent Alyssa Barroso, Board Clerk Mary Johnston, Town Administrator Jim Rupert, Joseph Dillion

Others Present Via Zoom: None

The Commission said their qualifications.

1. Approval of Agenda

M. McDonnell MOVED to approve the agenda. D. DeNunzio SECONDED the motion. MOTION CARRIED UNANIMOUSLY 4:0:0.

2. Public Comment:

None.

3. Approval of Minutes

3a. November 18, 2025, Regular Meeting

M. McDonnell MOVED to approve November 18, 2025, Regular Meeting Minutes. J. Loersch SECONDED. MOTION CARRIED UNANIMOUSLY 4:0:0.

4. Old Business

5a. IW-25-16: 29 Hebron Rd – Town of Bolton – Construction of a Soccer Field at Herrick Park

J. Dillion stated he provided additional information to the Commission. A. Barroso reviewed the cross section on the updated preliminary plans. The soccer field will be 300 feet in length which is regulation size. R. Lally asked about lighting on the field and J. Dillion replied there are no plans for lighting. M. McDonnell said the Dr. William Dest recommendations were not included in the application and asked that these be sent to the Commission. R. Lally asked when the field would be completed. J. Dillion replied it will be completed by the next growing season. The field will be available for use in 2027. J. Dillion informed the Commission he and staff will be on site for inspections. M. McDonnell MOVED to approve the application per the plan and contract documents. J. Loersch SECONDED the motion. MOTION CARRIED UNANIMOUSLY 4:0:0.

4b. IW-25-17: 206-220-222-266 Bolton Center Rd – Town of Bolton – Construct a Town Center Subsurface Sewage Disposal System

J. Dillion reported he received the report from Dawson Environmental and directional drilling is expensive so therefore recommends gravity flow installation. J. Dillion would like to stay with the original line of the sewer system. There are some concerns with bird habitat in the construction area and would do construction outside of nesting time. J. Loersch had some concerns with the pipe location behind Town Hall. R. Lally asked about the cross section showing the grade. A lengthy discussion was held on the information provided or lack of information provided for the three readings of this application. The Commission expressed their frustration on how the information could have been presented. R. Lally said more information will be needed for the Public Hearing. J. Rupert said the Town's preference is to install the gravity system and this system supplies critical services at Town Hall. M. McDonnell stated he would like the following information provided to the Commission prior to the Public Hearing and Commission consideration: cross-section; profile of pipe system; trench installation details including trench dams; sequence of construction including requirement of backfilling as you go; dewatering plan and details; and restoration plans. Subsurface investigation will go on as a condition of approval. The Commission set the Public Hearing for Tuesday, January 27, 2026, at 6:00 p.m. and will be a hybrid meeting at Town Hall. The Commission can review the application at the Town Hall and will have copies available. J. Rupert said the Town of Bolton grants a 30-day extension from January 1, 2026, to the Inland Wetlands Commission for its application for the community septic system. J. Rupert thanked the Commission for their attention to this application during the last three meetings.

5. New Business

5a. Set 2026 Meeting Dates

M. McDonnell MOVED to approve the 2026 Meeting Dates as follows: January 27, February 24, March 24, April 28, May 19, June 23, July 28, August 25, September 22, October 27, November 17, and December 15. D. DeNunzio SECONDED the motion. MOTION CARRIED UNANIMOUSLY 4:0:0.

5b. Set 2026 Budget for Inland Wetlands Commission

J. Loersch MOVED to set the 2026 Budget for the Inland Wetlands Commission the same as last year totaling \$2,235.00. M. McDonnell SECONDED the motion. MOTION CARRIED UNANIMOUSLY 4:0:0.

6. Wetlands Agent Report

A. Barroso reported it has been a slow month and has been working on ongoing inspections of current permits.

7. Other

7a. Cease and Correct – Alexey Ouzonov & Tenant – 37 Notch Road – Debris in Wetlands

A. Barroso reported she contacted George Logan three weeks ago and got A. Ouzonov to pay G. Logan a little more for the inspection report. A. Barroso said, as of today, no report has been received. If no report is received could lead to possible legal action. A. Barroso

and R. Lally will meet with the Town Attorney on next steps. R. Lally stated there still dumping at 37 Notch Road that needs to be addressed.

7b. Ongoing Discussion & Review of Proposed Updates to Wetlands Regulation

The Commission will review and discuss the proposed updates to the Wetlands Regulations and Fee Schedule at the January meeting. R. Lally stated he would like this wrapped up at the end of March.

8. Adjournment: J. Loersch MOVED to adjourn the meeting at 8:47 p.m. D. DeNunzio SECONDED the motion. MOTION CARRIED UNANIMOUSLY 4:0:0.

Respectfully submitted by Mary J. Johnston

Mary J. Johnston

Please see the Minutes of subsequent meetings for corrections to these Minutes and any corrections hereto.