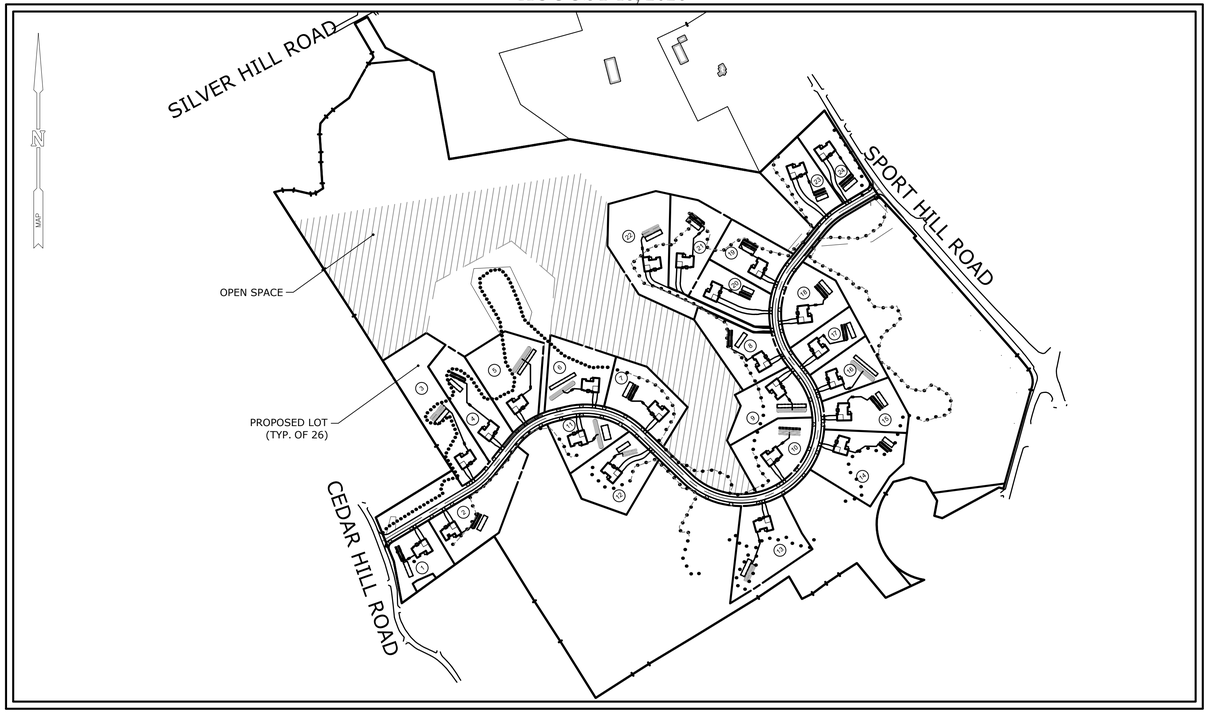
SADDLE RIDGE
CLUSTER RESUBDIVISION

SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

17307.00017
OCTOBER 9, 2025
REV. OCTOBER 15, 2025
REV. DECEMBER 29, 2025
REV. FEBRUARY 2, 2026
REV. FEBRUARY 13, 2026
REV. MARCH 02, 2026
REV. MAY 18, 2026
AUGUST 18, 2026



PROJECT SITE VICINITY MAP:

0' 150' 300'
0 1/2" 1"

GENERAL NOTES

1. BOUNDARY INFORMATION HAS BEEN TAKEN FROM SURVEY ENTITLED "PROPERTY SURVEY", PREPARED BY SLR CONSULTING, DATED JULY 16, 2025, SCALED 1"=100'.
2. TOPOGRAPHIC INFORMATION HAS BEEN TAKEN FROM SURVEY ENTITLED "PROPERTY SURVEY", PREPARED BY MILONE & MACBROOM, DATED APRIL 25, 2008, SCALED 1" = 100'.
3. NORTH ARROW AND BEARINGS ARE BASED UPON THE CONNECTICUT COORDINATE SYSTEM (NAD 1983).
4. INFORMATION REGARDING THE LOCATION OF EXISTING UTILITIES HAS BEEN BASED UPON AVAILABLE INFORMATION AND MAY BE INCOMPLETE, AND WHERE SHOWN SHOULD BE CONSIDERED APPROXIMATE. THE LOCATION OF ALL EXISTING UTILITIES SHOULD BE CONFIRMED PRIOR TO BEGINNING CONSTRUCTION. CALL "CALL BEFORE YOU DIG", 1-800-922-4455. ALL UTILITY LOCATIONS THAT DO NOT MATCH THE VERTICAL OR HORIZONTAL CONTROL SHOWN ON THE PLANS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.
5. SLR INTERNATIONAL CORPORATION ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF MAPS AND DATA WHICH HAVE BEEN SUPPLIED BY OTHERS.
6. INLAND WETLANDS AND WATERCOURSES ON SITE WERE DELINEATED IN THE FIELD BY: SOIL SCIENCE AND ENVIRONMENTAL SERVICES, INC. IN MAY 2008.
7. A CTDEEP STORMWATER GENERAL PERMIT IS REQUIRED PRIOR TO INITIATION OF CONSTRUCTION.
8. ALL UTILITY SERVICES ARE TO BE UNDERGROUND. THE EXACT LOCATION AND SIZE OF ELECTRIC, TELEPHONE, AND CABLE TELEVISION ARE TO BE DETERMINED BY THE RESPECTIVE UTILITY COMPANIES.
9. ALL STORM PIPING SHALL BE REINFORCED CONCRETE PIPE (RCP) UNLESS SPECIFICALLY NOTED AND APPROVED BY EASTON PUBLIC WORKS DIRECTOR. ALL RCP DRAINAGE PIPE TO HAVE TWO FOOT MIN. COVER.
10. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATE FINISHED GRADE.
11. ALL FUEL, OIL, PAINT, OR OTHER HAZARDOUS MATERIALS USED ON SITE SHOULD BE STORED IN A SECONDARY CONTAINER AND REMOVED TO A LOCKED INDOOR AREA DURING NON-WORK HOURS.
12. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ANY UTILITIES INCLUDING IRRIGATION PIPES PRIOR TO THE START OF CONSTRUCTION.
13. ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
14. SEDIMENT AND EROSION CONTROL MEASURES AS DEPICTED ON THESE PLANS AND DESCRIBED WITHIN THE SEDIMENT AND EROSION CONTROL NARRATIVE SHALL BE IMPLEMENTED AND MAINTAINED UNTIL PERMANENT COVER AND STABILIZATION IS ESTABLISHED. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL CONFORM TO THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL - 2024, AS AMENDED, AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.
15. ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 6" TOPSOIL AND BE SEEDED WITH SPECIFIED SEED MIX, AS SHOWN ON THE PLANS.
16. IN ALL CASES, TOPSOIL AND OTHER CONSTRUCTION MATERIALS SHALL BE DRAWN FROM THE ON-SITE STOCKPILES OF EXISTING MATERIAL. ONLY WHEN ON-SITE STOCKPILES HAVE BEEN USED SHALL MATERIAL BE IMPORTED TO THE SITE.
17. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE TOWN OF EASTON REQUIREMENTS AND TO THE APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 819 AND ADDENDUMS.
18. THE PLANS REQUIRE A CONTRACTOR'S WORKING KNOWLEDGE OF LOCAL, MUNICIPAL, WATER AUTHORITY, AND STATE CODES FOR UTILITY SYSTEMS. ANY CONFLICTS BETWEEN MATERIALS AND LOCATIONS SHOWN, AND LOCAL REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO THE EXECUTION OF WORK. THE ENGINEER WILL NOT BE HELD LIABLE FOR COSTS INCURRED TO IMPLEMENT OR CORRECT WORK WHICH DOES NOT CONFORM TO LOCAL CODE.
19. COMPLIANCE WITH THE PERMIT CONDITIONS IS THE RESPONSIBILITY OF BOTH THE CONTRACTOR AND PERMITEE.
20. THESE PLANS HAVE BEEN PREPARED FOR REGULATORY APPROVAL ONLY. THEY ARE NOT INTENDED FOR USE DURING CONSTRUCTION.
21. THE PROPERTY OWNER MUST MAINTAIN (REPAIR/REPLACE WHEN NECESSARY) THE EROSION CONTROLS UNTIL ALL DEVELOPMENT ACTIVITY IS COMPLETED AND ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
22. THE PROPOSED LOTS ARE TO BE SERVED BY INDIVIDUAL WATER SUPPLY WELLS AND SUBSURFACE SEWAGE DISPOSAL SYSTEMS THAT REQUIRE APPROVAL FROM ASPETUCK HEALTH DISTRICT.
23. THE PROPERTY IS LOCATED WITHIN A PUBLIC WATER SUPPLY WATERSHED.
24. THERE ARE 100-YEAR FLOODPLAIN AREAS LOCATED ON THE PROPERTY. THE SITE IS LOCATED IN FEMA FLOOD ZONE X PER "FIRM, FLOOD INSURANCE RATE MAP, FAIRFIELD COUNTY, CONNECTICUT (ALL JURISDICTIONS)", PANEL 270 OF 626, MAP NUMBER 09001C0270F, EFFECTIVE DATE: JUNE 18, 2010.
25. ALL FOOTING DRAINS CONNECTION TO THE STORMWATER DRAINAGE SYSTEM SHALL HAVE BACKFLOW PREVENTION DEVICES.
26. WHERE GRADING OCCURRS ACROSS LOT LINES WHICH IS NOT COMPLETED AS PART OF THE ROAD CONSTRUCTION, THE DEVELOPER IS TO RESERVE GRADING RIGHTS WHERE NECESSARY BEFORE THE SALE OF ANY LOT.
27. DURING ROAD CONSTRUCTION IF ANY ROADWAY CUTS ENCOUTER GROUNDWATER, THEN AN UNDERDRAIN SHALL BE INSTALLED AT THE BACK OF CURB. THESE AREAS SHALL BE REVIEWED WITH THE PUBLIC WORKS DIRECTOR TO CONFIRM LOCATION AND EXTENT OF UNDERDRAINS. LOTS ADJACENT TO UNDERDRAINS MAY REQUIRE ADJUSMENT OF LEACHING FIELD TO BE AT LEAST 50-FT FROM THE UNDERDRAIN. THIS MUST BE CONSIDERED IN THE FINAL LOT DESIGN WITH SEPTIC APPROVAL FROM THE ASPETUCK HEALTH DISTRICT.
28. ALL REQUIRED DOCUMENTS SHALL BE EXECUTED AND RECORDED CONCURRENTLY WITH THE RECORD MAP.
29. APPLICANT OR SITE CONTRACTOR TO PROVIDE SUBMITTALS ON ALL DRAINAGE STRUCTURES FOR REVIEW AND APPROVAL BY THE EASTON DIRECTOR OF PUBLIC WORKS PRIOR TO MANUFACTURE.
30. THE TOWN RESERVES THE RIGHT TO REVIWE AND APPROVE ALL FINAL CONSTRUCTION DETAILS.
31. ALL SILT FENCES SHALL BE PROPERLY INSTALLED PRIOR TO THE START OF LAND CLEARING / DISTURBANCE.
32. ALL STORM PIPING, ROOF LEADER AND FOOTING DRAIN PIPING TO BE TIGHT PIPE WHERE ADJACENT TO SETPIC SYSTEMS AND NECESSARY TO MEET HEALTH CODE

ZONING DATA TABLE - CLUSTER SUBDIVISION		
EXISTING ZONE: RESIDENTIAL B (RB) DISTRICT		
	REQUIRED	PROVIDED
MINIMUM LOT AREA	*40,000 SF.	40,000 SF.
MINIMUM LOT FRONTAGE	*100'	100'
MINIMUM FRONT YARD	*50'	50'
MINIMUM SIDE YARD	*20'	20'
MINIMUM REAR YARD	*40'	40'
MINIMUM SQUARE	*80'	80'
STREET TREES	**45	52
MAXIMUM BUILDING HEIGHT	*2.5 STORIES, 35' ABOVE HIGHEST ELEV.	2.5 STORIES
MINIMUM OVERALL PROPERTY TO OPEN SPACE	15%	16.6%
MAXIMUM WETLANDS TO OPEN SPACE RATIO***	24.81%	18.0%

*DIMENSIONAL STANDARDS BASED UPON CONSERVATION DEVELOPMENT PURSUANT TO SECTION 5900 OF THE TOWN OF EASTON ZONING REGULATIONS
**SECTION 4.09 OF TOWN OF EASTON SUBDIVISION REGULATIONS REQUIRES 1 STREET TREE PER 50 LF OF ROADWAY. ROADWAY WITH TREES TO REMAIN HAVE BEEN EXCLUDED. (2,240 LF OF PROPOSED ROADWAY / 50 LF = 45 STREET TREES)
***PER SECTION 3.05 OF EASTON SUBDIVISION REGULATIONS, THE RATIO OF PROPOSED OPEN SPACE CLASSIFIED AS INLAND WETLANDS TO THE TOTAL AREA OF OPEN SPACE SHALL BE EQUAL TO OR SMALLER THAN THE RATIO OF THE AREA OF ALL INLAND WETLANDS IN THE SUBDIVISION TO THE TOTAL AREA OF THE SUBDIVISION

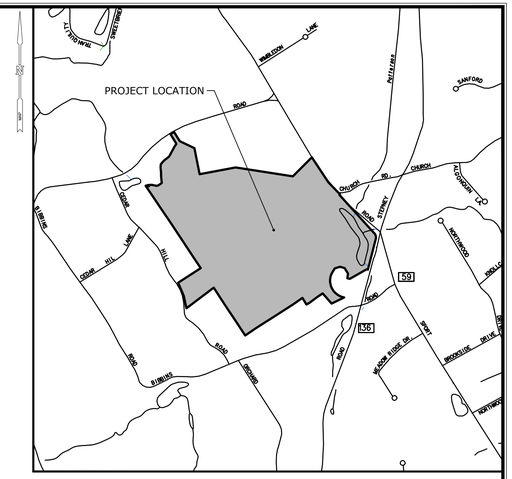
PREPARED FOR:

EG HOME, LLC
3 POMPERAUG OFFICE PARK, SUITE 105
SOUTHBURY, CONNECTICUT

Know what's below.
Call before you dig.
www.cbyd.com

PREPARED BY:

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM



LOCATION MAP:

LEGEND

EXISTING		PROPOSED
	STREET LINE	
	PROPERTY LINE	
IPIN / MON	IRON PIN / CONCRETE MONUMENT	IPIN / MON
	100' UPLAND REVIEW AREA	
	SETBACK LINE	
70	MAJOR CONTOUR	70
68	MINOR CONTOUR	68
× WF–#XX	WETLAND FLAG	
× 70.5	SPOT GRADE	+70.5
	WETLANDS	
	TREE LINE	
	TREE/SHRUB	
	STONEWALL	
	SITE LIGHT	
	HYDRANT	
	WATER METER	
WV	WATER VALVE	WV
GV	GAS VALVE	GV
	CATCH BASIN	
	MANHOLE/YARD DRAIN/ AREA DRAIN	
S	SANITARY SEWER WITH MANHOLE	SAN
	STORM DRAIN WITH CATCH BASIN	
W	WATER MAIN	W
DW	DOMESTIC WATER	DW
FP	FIRE PROTECTION WATER	FP
G	GAS MAIN	G
E	ELECTRIC LINE	E
ETC	ELECTRIC, TELEPHONE, CABLE	ETC
	UTILITY POLE	
	TRAFFIC SIGN	
	EDGE OF PAVEMENT WITH CURB	
FW	FLOODWAY	
100--YR	100-YR FLOODPLAIN	
500--YR	500-YR FLOODPLAIN	
	STRAW WATTLE	
	SILT FENCE	

LIST OF DRAWINGS

NO.	NAME	TITLE
1	--	TITLE SHEET
2 - 3	EX-1 - EX-2	EXISTING CONDITIONS
4 - 5	TP-1 - TP-2	TEST PIT LOCATIONS
6	IN	INDEX PLAN
7 - 8	SM-1 - SM-2	RESUBDIVISION MAP
9 - 12	SP-1 - SP-4	SITE DEVELOPMENT PLAN
13	WM	WETLAND MITIGATION PLAN
14 - 17	SE-1 - SE-4	SOIL EROSION & SEDIMENT CONTROL PLAN
18 - 20	ST-1 - ST-3	SOIL TESTING DATA
21	SP	SEPTIC SYSTEM DESIGN
22 - 24	PR-1 - PR-3	ROADWAY PLAN AND PROFILE
25	PR-4	DRAINAGE PLAN AND PROFILE
26	CS	CULVERT SECTION
27 - 31	SD-1 - SD-5	SITE DETAILS

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2. NORTH ARROW, BEARINGS, AND COORDINATES ARE BASED UPON THE CONNECTICUT COORDINATE SYSTEM (NAD 1983).

3. REFERENCE IS HEREBY MADE TO THE FOLLOWING MAPS:

   A. "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP, TOWN OF EASTON, SPORT HILL ROAD FROM EASTON CENTER ROAD NORTHERLY TO UNION CEMETERY (ROUTE NO 69)"; SCALE: 1" = 40'; DATED: MARCH 31, 1938; NUMBER 45–05, SHEET 5 OF 5 (CTDOT).

   B. "MAP SHOWING PROPERTY OF SILVER HILL ESTATES, INCORPORATED, SILVER HILL ROAD, BIBBINS ROAD, CEDAR HILL ROAD & CEDAR HILL LANE, EASTON, CONNECTICUT"; SCALE: 1" = 100'; DATED: JANUARY 21, 1947; PREPARED BY: EUGENE STEPHEN HAYES (MAP #214 E.L.R.).

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   F. "PROPERTY OF JOSEPH SILHAVY, EASTON, CONN."; SCALE: 1" = 80'; DATED: AUG. 11, 1961; PREPARED BY: DANIEL B. GUION. (MAP #417 E.L.R.).

   G. "MAP OF PROPERTY IN EASTON, CONN. FOR: ATTY. HUNTLEY STONE AND OTHERS"; SCALE: 1" = 100'; DATED: MARCH 6, 1964; PREPARED BY: FULLER & CO. INC. (MAP #835 E.L.R.).

   H. "MAP OF PARTITION OF PROPERTY IN EASTON, CONN. FOR: JOSEPH SILHAVY"; SCALE: 1" = 50'; DATED: SEPTEMBER 15, 1965; PREPARED BY: FULLER & CO., INC. (MAP #1245 E.L.R.).

   I. "MAP OF PROPERTY IN EASTON, CONN. FOR: CAROLYN S. JOHNSON, CORDELIA A. STONE, HUNTLEY J. STONE"; SCALE: 1" = 100'; DATED: OCTOBER 16, 1981; PREPARED BY: FULLER CO., INC. (MAPS #972 & 973 E.L.R.).

   J. "MAP OF SUBDIVISION OF PROPERTY IN EASTON, CONN. FOR CAROLYN S. JOHNSON, CORDELIA A. STONE, HUNTLEY J. STONE"; SCALE: 1" = 100'; DATED: MARCH 22, 1984; REVISED TO: 10/19/84; PREPARED BY: FULLER CO, INC. (MAP #1036 E.L.R.).

   K. "PROPOSED ONE LOT SUBDIVISION OF PROPERTY IN EASTON, CT. KNOWN AS #49 SILVER HILL ROAD FORMERLY OF AND PARTITIONED BY JOSEPH SILHAVY, PREPARED FOR: JOHN WALTER OLIVER"; SCALE: 1" = 50'; DATED: FEB. 23, 1993; REVISED: JULY 24, 1993; PREPARED BY: FULLER & CO. INC. (MAP #1244 E.L.R.).

   L. "MAP OF PERIMETER SURVEY OF PROPERTIES IN EASTON, CT. PREPARED FOR: SADDLE RIDGE DEVELOPERS, LLC"; SCALE: 1" = 100'; DATED: JULY 14, 2006; PREPARED BY: FULLER ENGINEERING & LAND SURVEYING, LLC.

   M. "PROPERTY SURVEY PREPARED FOR CARLSON CONSTRUCTION SPORT HILL ROAD, SILVER HILL ROAD, CEDAR HILL ROAD & WESTPORT ROAD EASTON, CONNECTICUT"; SCALE: 1" = 100'; DATED: APRIL 25, 2008; REVISED: 2/5/09; PREPARED BY: MILONE & MACBROOM.

4. PROPERTY IS AFFECTED BY THE FOLLOWING:

   A. SPECIAL EXCEPTION GRANTED BY THE PLANNING AND ZONING COMMISSION OF THE TOWN OF EASTON TO HUNTLEY J. STONE, DATED: NOVEMBER 4, 1982 AND RECORDED IN VOLUME 78 AT PAGE 180 E.L.R.

   B. EASEMENT FOR FIRE FIGHTING DRY HYDRANT GRANTED BY MAROLYN STONE TO THE TOWN OF EASTON, BOARD OF FIRE COMMISSION, DATED: JUNE 7, 1997 AND RECORDED IN VOLUME 299 AT PAGE 232 E.L.R.

LINE TABLE		
LINE	BEARING	LENGTH
L1	S32°46'46"E	50.00
L2	S32°07'56"E	36.27
L3	S89°36'24"W	68.74
L4	S64°34'55"W	136.86
L5	N63°57'50"E	138.54
L6	S32°18'26"E	420.00
L7	S42°50'56"E	234.26
L8	S56°31'54"W	11.37
L28	N77°02'54"E	35.89
L29	N89°30'35"E	46.36
L30	S77°03'38"E	72.97
L31	N78°51'30"E	21.85
L32	N57°39'34"E	36.48
L33	N10°00'25"W	21.52
L34	N39°10'45"E	34.03
L35	N19°23'45"W	19.89
L36	N30°23'57"W	141.95
L37	N61°58'23"E	60.05
L38	S30°23'57"E	150.00
L39	N54°43'27"W	252.74
L40	N22°45'47"W	232.52
L41	N74°43'23"E	362.19
L42	N73°16'04"E	132.48

LINE TABLE		
LINE	BEARING	LENGTH
L9	N74°24'22"W	19.00
L10	S61°33'59"W	270.00
L11	N73°18'23"W	34.86
L12	N10°14'50"E	64.00
L13	N30°48'01"W	92.48
L14	N73°49'10"W	66.00
L15	S75°30'14"W	75.00
L16	S32°54'30"W	59.00
L17	S57°00'43"W	88.97
L18	S55°57'13"W	65.30
L19	S53°13'03"W	71.36
L20	S63°21'03"W	49.69
L21	N30°07'07"W	108.15
L22	S55°53'47"W	156.12
L23	S58°30'03"W	319.79
L24	S57°33'43"W	81.58
L25	S57°16'53"W	183.29
L26	N32°03'00"W	279.92
L27	N32°41'27"W	121.20

LEGEND

- STREET LINE
- PROPERTY LINE
- STONEWALL
- WATERCOURSE
- TREELINE
- GUARDRAIL
- BARBED WIRE FENCE
- STOCKADE FENCE
- CHAIN LINK FENCE
- BOX WIRE FENCE
- CATCH BASIN
- POST
- GATE POST
- FENCE POST
- HYDRANT
- UTILITY POLE
- IRON PIPE FOUND
- IRON PIN FOUND
- CONCRETE MONUMENT FOUND
- DRILLHOLE

SLR
99 REALTY DRIVE
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203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
IWWC RESUBMISSION	2026-02-02	JRH
IWWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-16	JRH

EXISTING CONDITIONS

SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

EAH	SMM	EAH
DESIGNED	DRAWN	CHECKED

1"=100'
SCALE

OCTOBER 9, 2025
DATE

17307.00017
PROJECT NO.

2 OF 31
SHEET NO.

EX-1
SHEET NAME

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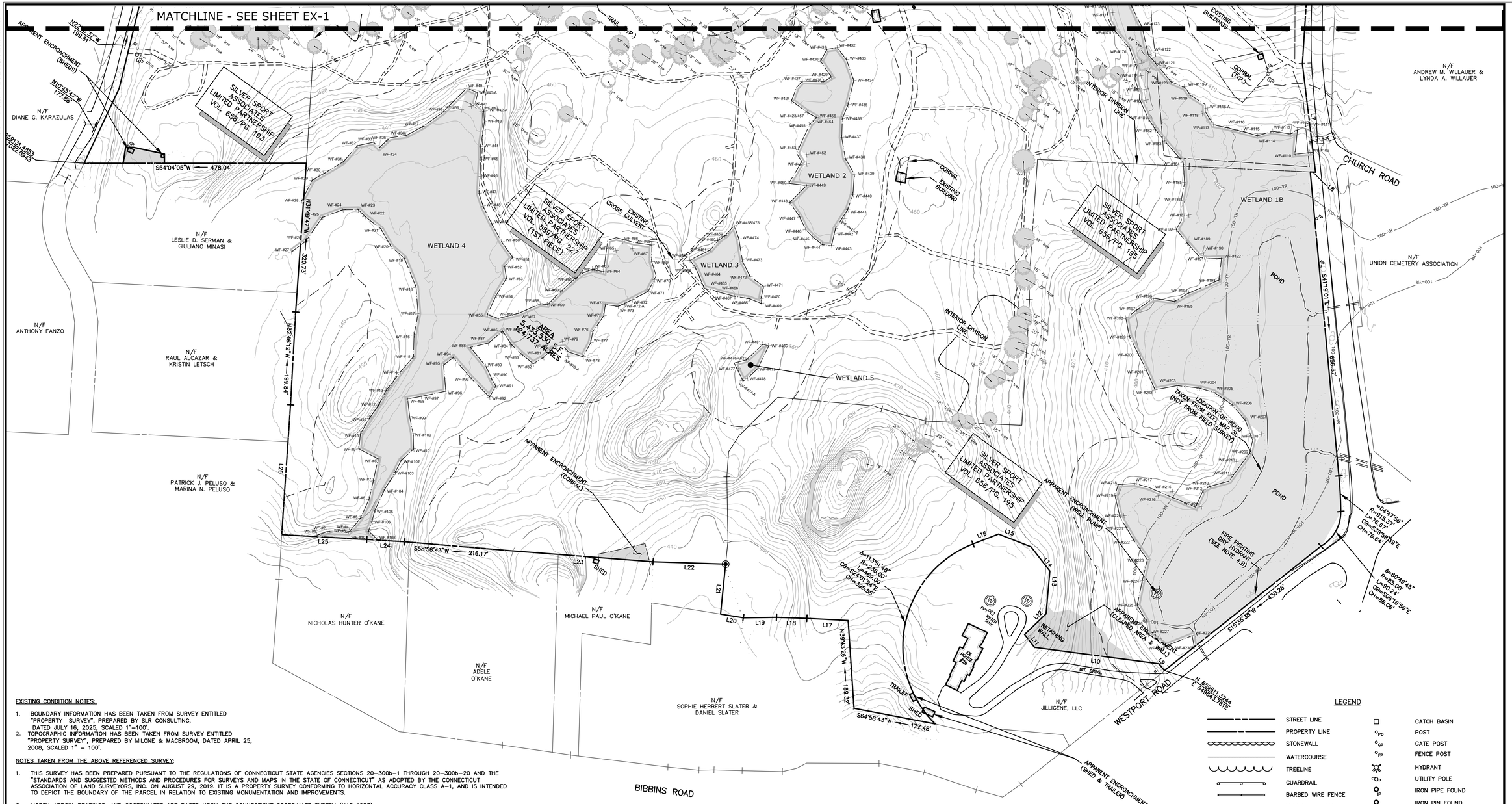

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I hereby certify that the Inland Wetland and Watercourse boundary line (s) shown on the map is substantially correct.
SOIL SCIENCE AND ENVIRONMENTAL SERVICES, INC.
Saddle Ridge-Easton
Scott D. Stevens
Registered Professional Soil Scientist
May 11, 2026
Date

LEGEND

- STREET LINE
- PROPERTY LINE
- STONEWALL
- WATERCOURSE
- TREELINE
- GUARDRAIL
- BARBED WIRE FENCE
- STOCKADE FENCE
- CHAIN LINK FENCE
- BOX WIRE FENCE
- CATCH BASIN
- POST (PO)
- GATE POST (GP)
- FENCE POST (FP)
- HYDRANT
- UTILITY POLE
- IRON PIPE FOUND (IP)
- IRON PIN FOUND (IPN)
- CONCRETE MONUMENT FOUND (MON)
- DRILLHOLE (DH)

LINE TABLE

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L4	S64°34'55"W	136.86
L5	N63°57'50"E	138.54
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L7	S42°50'56"E	234.26
L8	S56°31'54"W	11.37
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L29	N89°30'35"E	46.36
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SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
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DESCRIPTION	DATE	BY
IWWC RESUBMISSION	2026-02-02	JRH
IWWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-16	JRH

EXISTING CONDITIONS
SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

EAH	SMM	EAH
DESIGNED	DRAWN	CHECKED

1"=100' (SCALE)
OCTOBER 9, 2025 (DATE)
17307.00017 (PROJECT NO.)
3 OF 31 (SHEET NO.)
EX-2 (SHEET NAME)

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NOTES:

1. BOUNDARY INFORMATION HAS BEEN TAKEN FROM SURVEY ENTITLED "PROPERTY SURVEY", PREPARED BY SLR CONSULTING, DATED JULY 16, 2025, SCALED 1"=100'.
2. TOPOGRAPHIC INFORMATION HAS BEEN TAKEN FROM SURVEY ENTITLED "PROPERTY SURVEY", PREPARED BY MILONE & MACBROOM, DATED APRIL 25, 2008, SCALED 1" = 100'.

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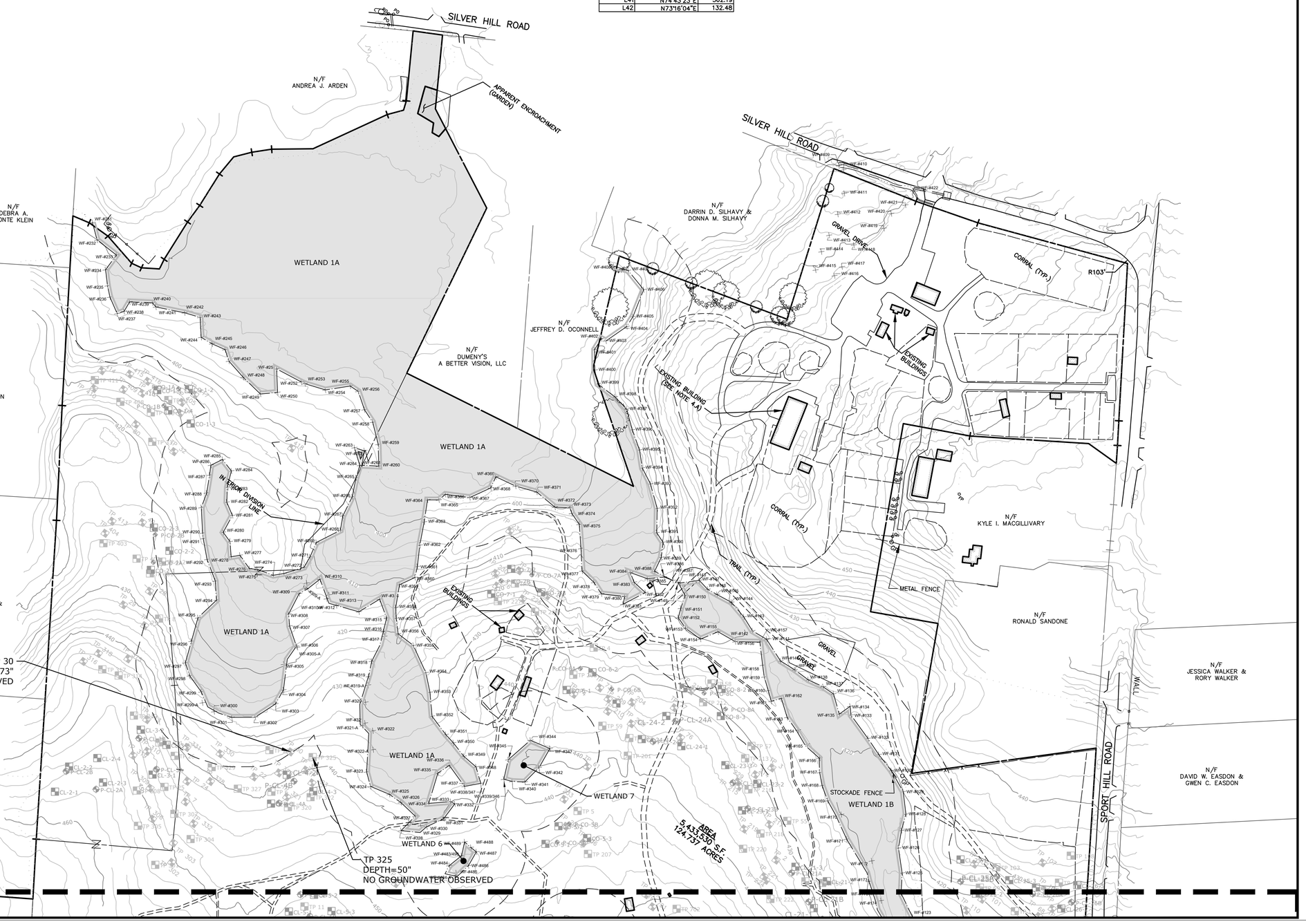

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EAH	SMM	EAH
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1"=100'
SCALE

OCTOBER 9, 2025
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17307.00017
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4 OF 31
SHEET NO.

TP-1
SHEET NAME

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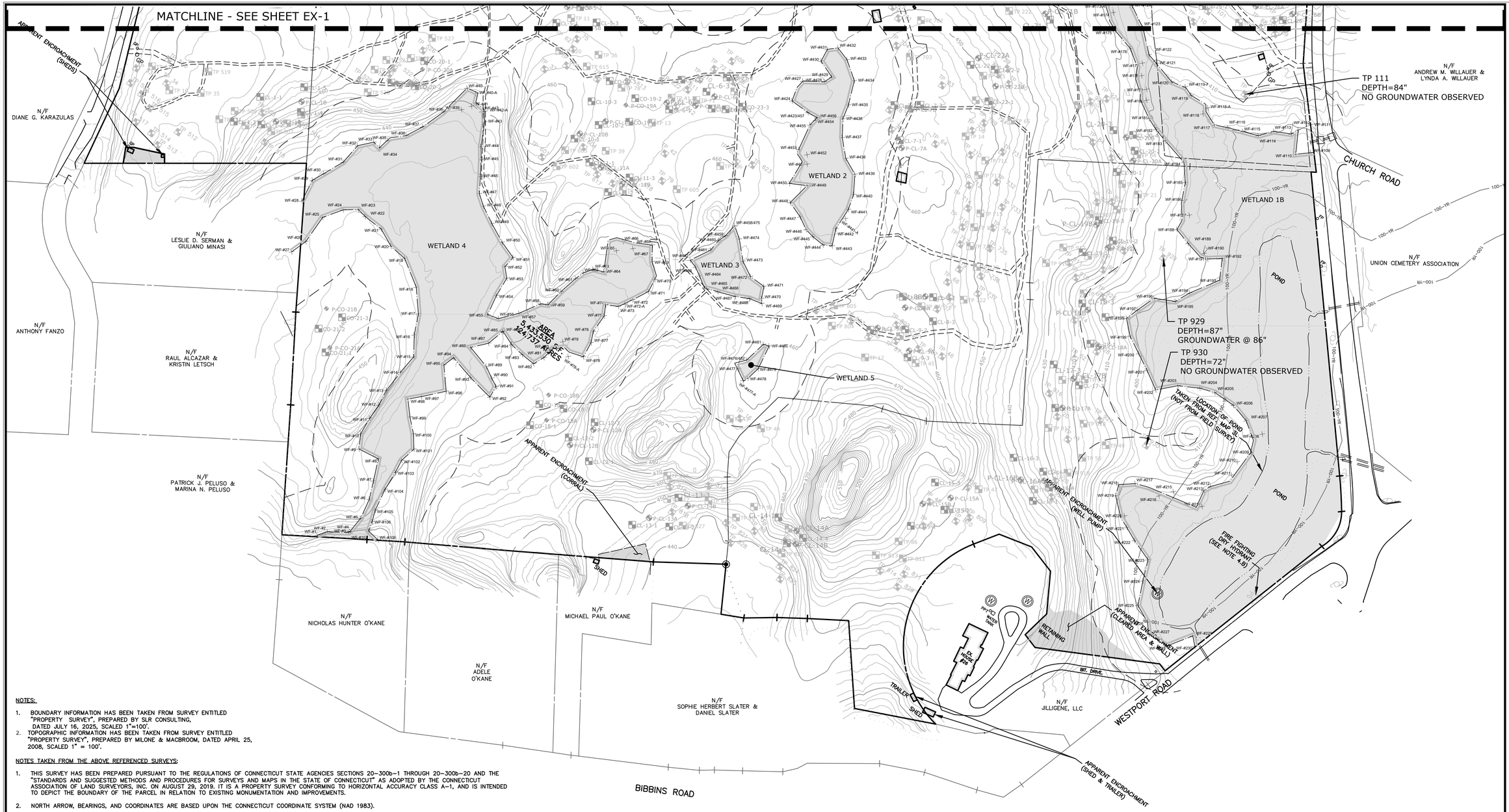

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0' 50' 100'
0 1/2" 1"

SLR
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SLRCONSULTING.COM

DESCRIPTION	DATE	BY
IWWC RESUBMISSION	2026-02-02	JRH
IWWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-16	JRH

TEST PIT LOCATIONS

SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

EAH	SMM	EAH
DESIGNED	DRAWN	CHECKED

1"=100'
SCALE

OCTOBER 9, 2025
DATE

17307.00017
PROJECT NO.

5 OF 31
SHEET NO.

TP-2
SHEET NAME

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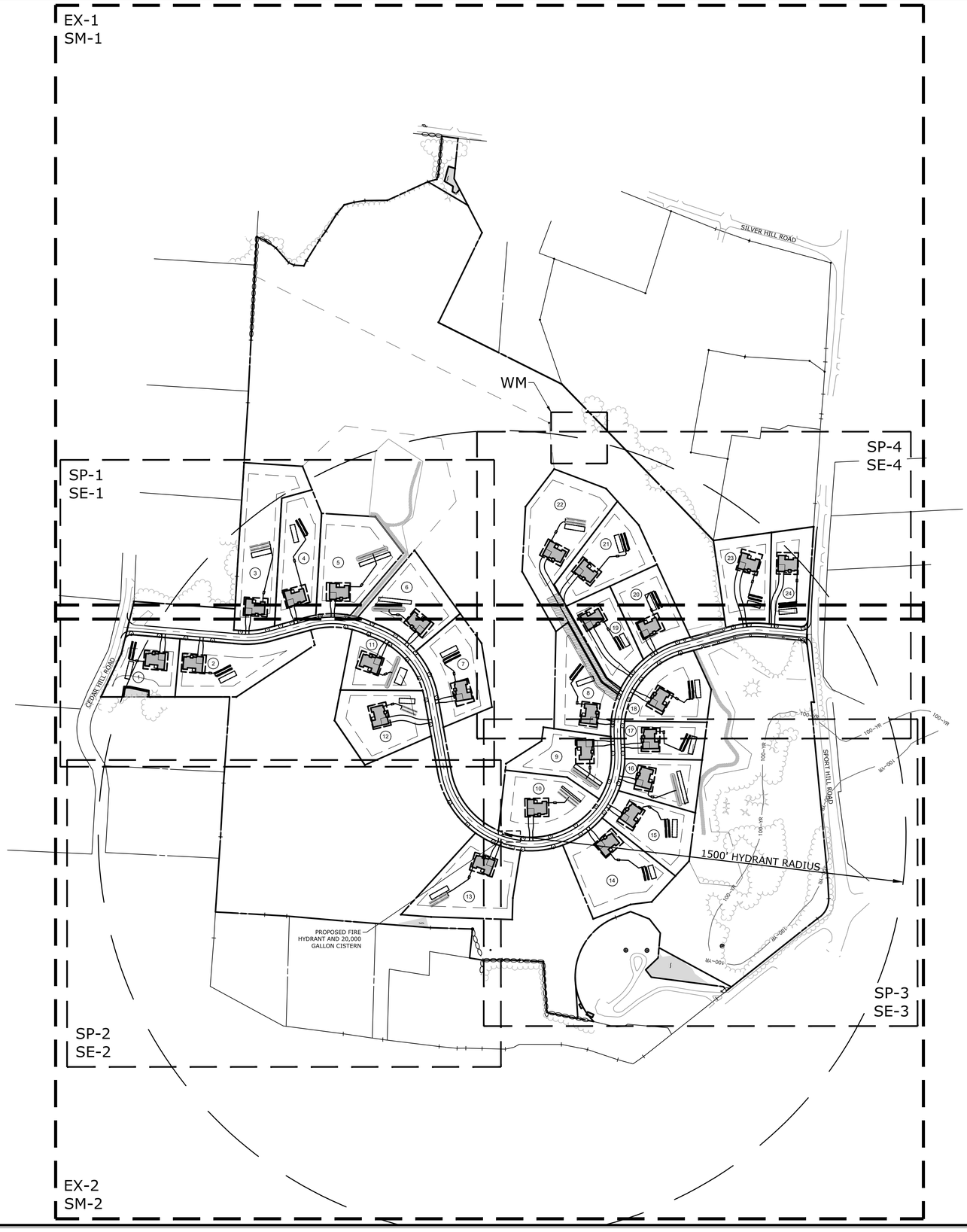

0' 100' 200'
0 1/2" 1"

SLR

99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
PZC REVISIONS	2025-10-15	JRH
IWWC RESUBMISSION	2026-02-02	JRH
IWWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-18	JRH
REVISIONS	2026-08-18	DSR

INDEX PLAN

SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

DSR	DSR	DLO
DESIGNED	DRAWN	CHECKED

1"=200'
SCALE

OCTOBER 9, 2025
DATE

17307.00017
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6 OF 31
SHEET NO.

IN
SHEET NAME

LEGEND

(symbol)	STREET LINE
(symbol)	PROPERTY LINE
(symbol)	LOT SETBACK LINE
(symbol)	EASEMENT
(symbol)	STONEWALL
(symbol)	WATERCOURSE
(symbol)	TREELINE
(symbol)	GUIDE RAIL
OHW	OVERHEAD WIRES
(symbol)	CATCH BASIN
(symbol)	FLARED END SECTION
WV	WATER VALVE
GP	GATE POST
P	POST
(symbol)	UTILITY POLE
(symbol)	GUY WIRE
(symbol)	HYDRANT
(symbol)	SIGN
(symbol)	MAILBOX
IP	IRON PIPE FOUND
IPIN	IRON PIN FOUND
MON	MONUMENT FOUND
IPIN	IRON PIN TO BE SET
MON	MONUMENT TO BE SET

NOTES:

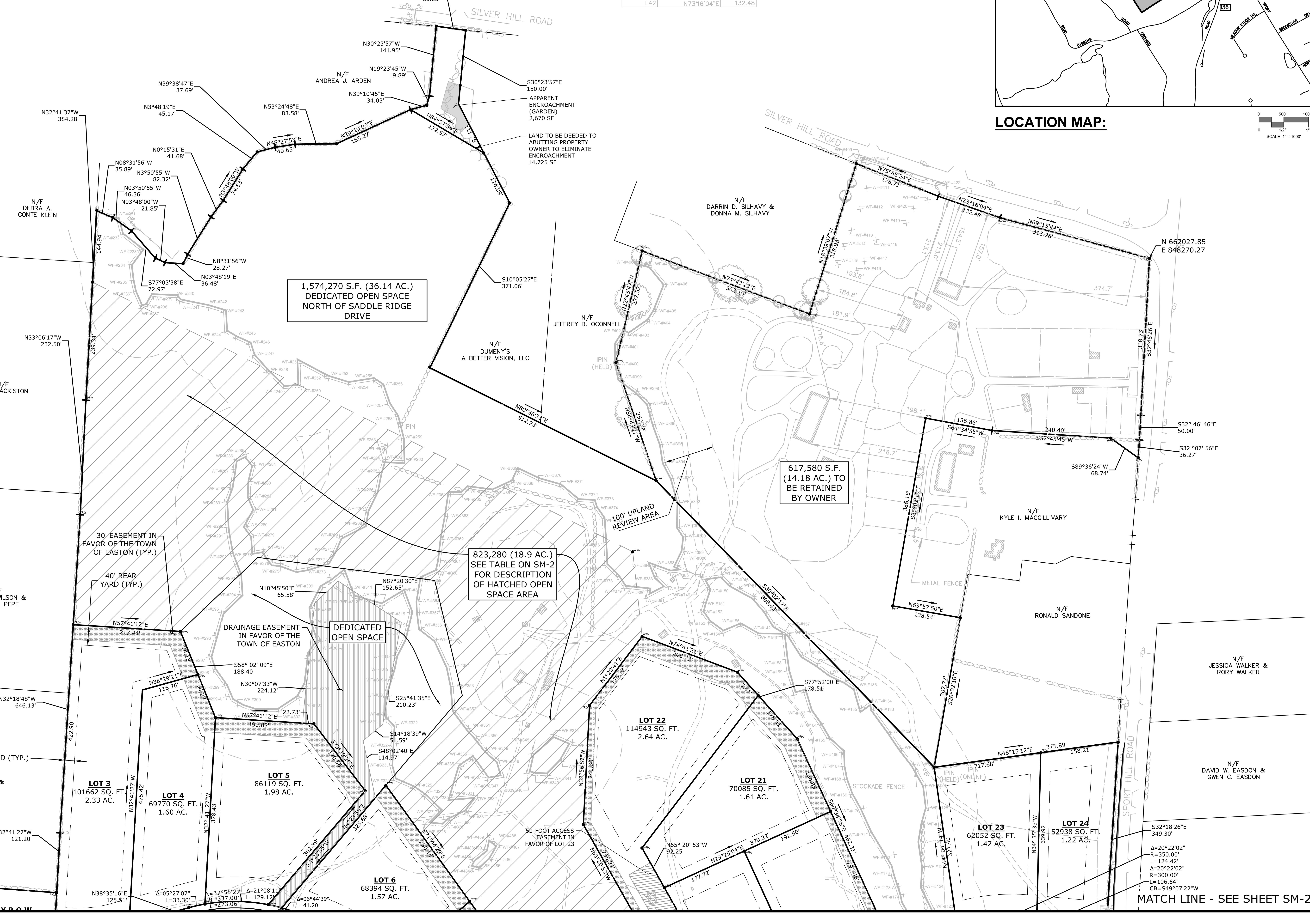
1. SEE SHEET SM-2 FOR NOTES AND CERTIFICATION
2. GREENBELT EASEMENT IN FAVOR OF THE TOWN OF EASTON SHALL BE 15' ALONG SIDE PROPERTY LINES, AND 30' ALONG REAR PROPERTY AS LOCATED ON PLAN
3. GRADING RIGHTS BETWEEN LOTS SHALL BE GRANTED IF NEEDED DURING CONSTRUCTION.

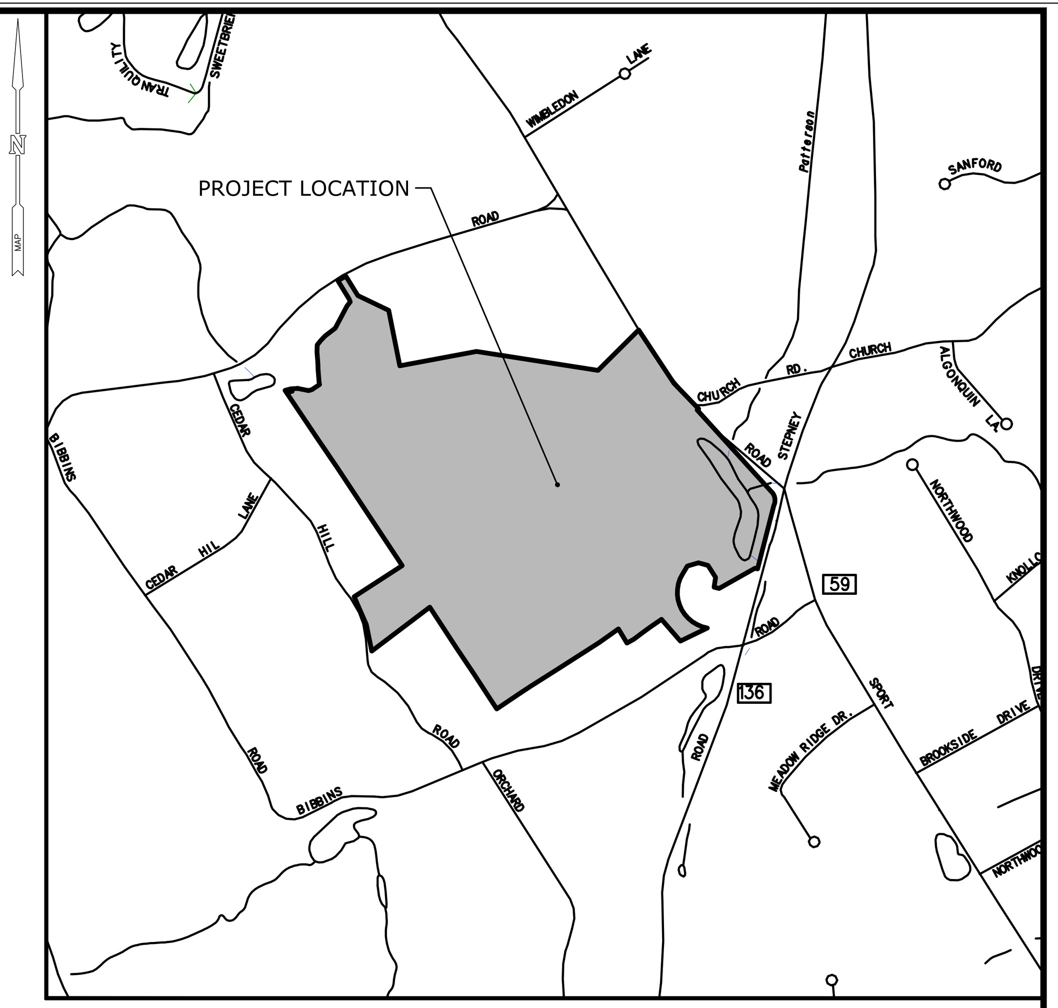
LINE TABLE

LINE	BEARING	LENGTH
L1	S32°46'46"E	50.00
L2	S32°07'56"E	36.27
L3	S89°36'24"W	68.74
L4	S64°34'55"W	136.86
L5	N63°57'50"E	138.54
L6	S32°18'26"E	420.00
L7	S42°50'56"E	234.26
L8	S56°31'54"W	11.37
L28	N77°02'54"E	35.89
L29	N89°30'35"E	46.36
L30	S77°03'38"E	72.97
L31	N78°51'30"E	21.85
L32	N57°39'34"E	36.48
L33	N10°00'25"W	21.52
L34	N39°10'45"E	34.03
L35	N19°23'45"W	19.89
L36	N30°23'57"W	141.95
L37	N61°58'23"E	60.05
L38	S30°23'57"E	150.00
L39	N54°43'27"W	252.74
L40	N22°45'47"W	232.52
L41	N74°43'23"E	362.19
L42	N73°16'04"E	132.48

LINE TABLE

LINE	BEARING	LENGTH
L9	N74°24'22"W	19.00
L10	S61°33'59"W	270.00
L11	N73°18'23"W	34.86
L12	N10°14'50"E	64.00
L13	N30°48'01"W	92.48
L14	N73°49'10"W	66.00
L15	S75°30'14"W	75.00
L16	S32°54'30"W	59.00
L17	S57°00'43"W	88.97
L18	S55°57'13"W	65.30
L19	S53°13'03"W	71.36
L20	S63°21'03"W	49.69
L21	N30°07'07"W	108.15
L22	S55°53'47"W	156.12
L23	S58°30'03"W	319.79
L24	S57°33'43"W	81.58
L25	S57°16'53"W	183.29
L26	N32°03'00"W	279.92
L27	N32°41'27"W	121.20





LOCATION MAP:

SCALE 1" = 1000'

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
PZC REVISIONS	2025-10-15	JRH
IWWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-18	JRH
REVISIONS	2026-08-18	DSR

RESUBDIVISION MAP

SADDLE RIDGE CLUSTER RESUBDIVISION

SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
DSR	DSR	DLO

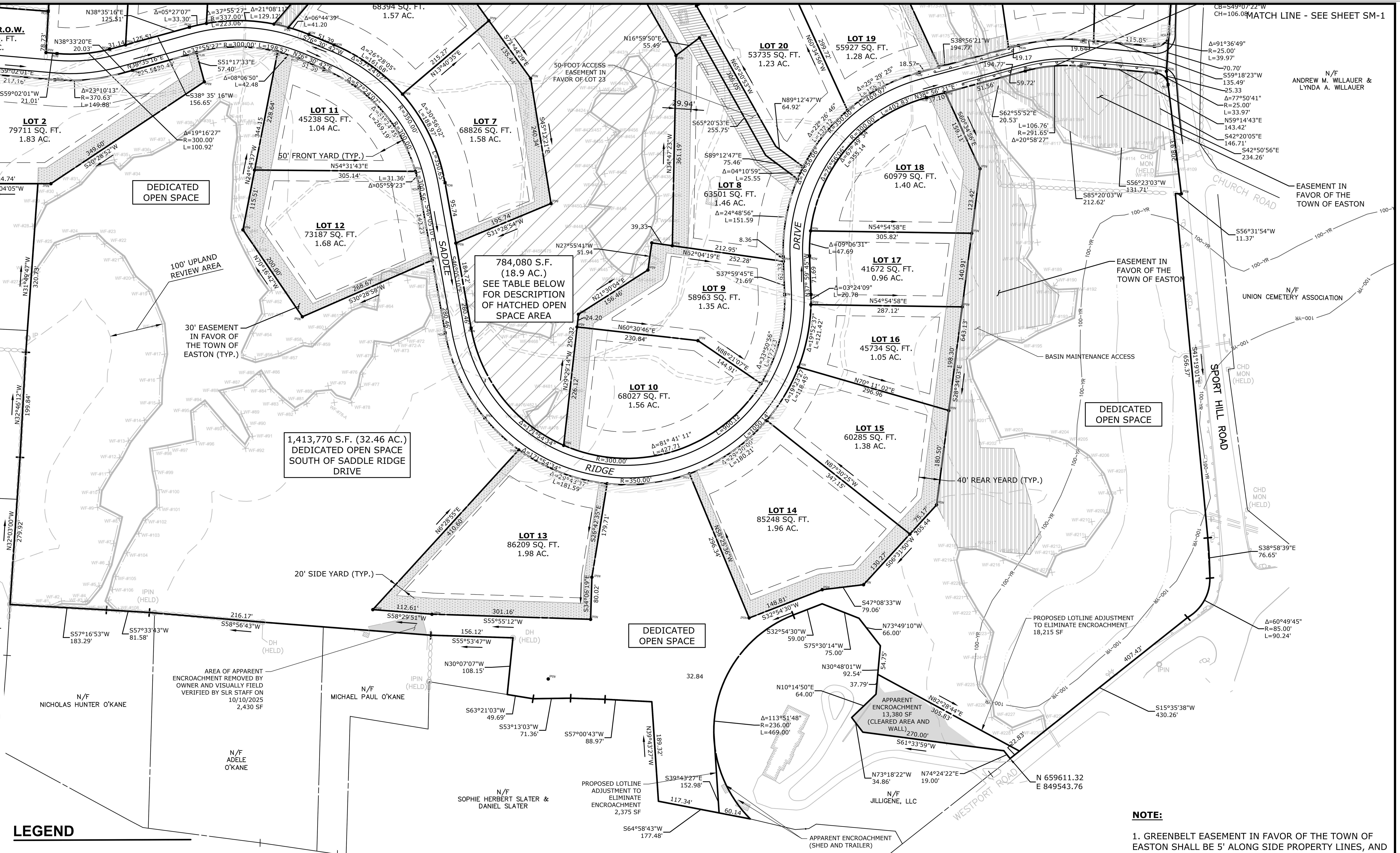
SCALE: 1"=100'

DATE: OCTOBER 9, 2025

PROJECT NO.: 17307.00017

SHEET NO.: 7 OF 31

SHEET NAME: **SM-1 OF 2**



NOTES:

1. BOUNDARY INFORMATION HAS BEEN TAKEN FROM SURVEY ENTITLED "PROPERTY SURVEY", PREPARED BY SLR CONSULTING, DATED JULY 16, 2025, SCALED 1"=100'.
2. TOPOGRAPHIC INFORMATION HAS BEEN TAKEN FROM SURVEY ENTITLED "PROPERTY SURVEY", PREPARED BY MILONE & MACBROOM, DATED APRIL 25, 2008, SCALED 1" = 100'.

NOTES TAKEN FROM THE SURVEYS REFERENCED ABOVE:

1. THIS SURVEY HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THROUGH 20-300b-20 AND THE "STANDARDS AND SUGGESTED METHODS AND PROCEDURES FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON AUGUST 29, 2019. IT IS A RESUBDIVISION MAP BASED ON AN ORIGINAL SURVEY WITH EXISTING BOUNDARIES BASED ON A RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-1, AND IS INTENDED FOR SUBMISSION AND APPLICABLE REGULATORY ENTITIES.
2. NORTH ARROW, BEARINGS, AND COORDINATES ARE BASED UPON THE CONNECTICUT COORDINATE SYSTEM (NAD 1983).
3. REFERENCE IS HEREBY MADE TO THE FOLLOWING MAPS:
   A. "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP, TOWN OF EASTON, SPORT HILL ROAD FROM EASTON CENTER ROAD NORTHERLY TO UNION CEMETERY (ROUTE NO 69)"; SCALE: 1" = 40'; DATED: MARCH 31, 1938; NUMBER 45-05, SHEET 5 OF 5 (CTDOT).
   B. "MAP SHOWING PROPERTY OF SILVER HILL ESTATES, INCORPORATED, SILVER HILL ROAD, BIBBINS ROAD, CEDAR HILL ROAD & CEDAR HILL LANE, EASTON, CONNECTICUT"; SCALE: 1" = 100'; DATED: JANUARY 21, 1947; PREPARED BY: EUGENE STEPHEN HAYES (MAP #214 E.L.R.).
   C. "MAP OF PROPERTY SURVEYED FOR LILLIAN P. WALLMAN, KNOWN AS THE BIBBINS FARM, EASTON, CONN."; SCALE: 1" = 80'; DATED: APRIL 1947; PREPARED BY: W. J. WOOD, JR. (MAP #241 E.L.R.).
   D. "MAP OF PROPERTY TO BE ACQUIRED BY C. HORACE TUTTLE, EASTON, CONN."; SCALE: 1" = 80'; DATED: SEPT. 1947; PREPARED BY: W. J. WOOD, JR. (MAP #250 E.L.R.).
   E. "MAP PREPARED FOR RICHARD J. WILSON, EASTON, CONN."; SCALE: 1" = 80'; DATED: OCT. 1954; PREPARED BY: W. J. WOOD, JR. (MAP #429 E.L.R.).
   F. "PROPERTY OF JOSEPH SILHAVY, EASTON, CONN."; SCALE: 1" = 80'; DATED: AUG. 11, 1961; PREPARED BY: DANIEL B. GUION. (MAP #417 E.L.R.).
   G. "MAP OF PROPERTY IN EASTON, CONN. FOR: ATTY. HUNTLEY STONE AND OTHERS"; SCALE: 1" = 100'; DATED: MARCH 6, 1964; PREPARED BY: FULLER & CO. INC. (MAP #835 E.L.R.).
   H. "MAP OF PARTITION OF PROPERTY IN EASTON, CONN. FOR: JOSEPH SILHAVY"; SCALE: 1" = 50'; DATED: SEPTEMBER 15, 1965; PREPARED BY: FULLER & CO., INC. (MAP #1245 E.L.R.).
   I. "MAP OF PROPERTY IN EASTON, CONN. FOR: CAROLYN S. JOHNSON, CORDELIA A. STONE, HUNTLEY J. STONE"; SCALE: 1" = 100'; DATED: OCTOBER 16, 1981; PREPARED BY: FULLER CO., INC. (MAPS #972 & 973 E.L.R.).
   J. "MAP OF SUBDIVISION OF PROPERTY IN EASTON, CONN. FOR CAROLYN S. JOHNSON, CORDELIA A. STONE, HUNTLEY J. STONE"; SCALE: 1" = 100'; DATED: MARCH 22, 1984; REVISED TO: 10/19/84; PREPARED BY: FULLER CO, INC. (MAP #1036 E.L.R.).
   K. "PROPOSED ONE LOT SUBDIVISION OF PROPERTY IN EASTON, CT. KNOWN AS #49 SILVER HILL ROAD FORMERLY OF AND PARTITIONED BY JOSEPH SILHAVY, PREPARED FOR: JOHN WALTER OLIVER"; SCALE: 1" = 50';DATED: FEB. 23, 1993; REVISED: JULY 24, 1993; PREPARED BY: FULLER & CO. INC. (MAP #1244 E.L.R.).
   L. "MAP OF PERIMETER SURVEY OF PROPERTIES IN EASTON, CT. PREPARED FOR: SADDLE RIDGE DEVELOPERS, LLC"; SCALE: 1" = 100'; DATED: JULY 16, 2006; PREPARED BY: FULLER ENGINEERING & LAND SURVEYING, LLC.
   M. "PROPERTY SURVEY PREPARED FOR EG HOME, LLC SPORT HILL ROAD, SILVER HILL ROAD, CEDAR HILL ROAD & WESTPORT ROAD EASTON, CONNECTICUT"; SCALE: 1" = 100'; DATED: JULY 14, 2025; PREPARED BY: SLR..
4. PROPERTY IS AFFECTED BY THE FOLLOWING:
   A. SPECIAL EXCEPTION GRANTED BY THE PLANNING AND ZONING COMMISSION OF THE TOWN OF EASTON TO HUNTLEY J. STONE, DATED: NOVEMBER 4, 1982 AND RECORDED IN VOLUME 78 AT PAGE 180 E.L.R.
   B. EASEMENT FOR FIRE FIGHTING DRY HYDRANT GRANTED BY MAROLYN STONE TO THE TOWN OF EASTON, BOARD OF FIRE COMMISSION, DATED: JUNE 7, 1997 AND RECORDED IN VOLUME 299 AT PAGE 232 E.L.R.
5. TRAVERSE CLOSURE: 1:12150

LEGEND

- STREET LINE
- PROPERTY LINE
- LOT SETBACK LINE
- EASEMENT
- STONEWALL
- WATERCOURSE
- TREELINE
- GUIDE RAIL
- OVERHEAD WIRES (OHW)
- CATCH BASIN
- FLARED END SECTION
- WATER VALVE (WV)
- GATE POST (GP)
- POST (P)
- UTILITY POLE
- GUY WIRE
- HYDRANT
- SIGN
- MAILBOX
- IRON PIPE FOUND (IP)
- IRON PIN FOUND (IPIN)
- MONUMENT FOUND (MON)
- IRON PIN TO BE SET (IPIN)
- MONUMENT TO BE SET (MON)

APPLICANT: EG HOME, LLC

APPLICANT ADDRESS: 3 POMPERAUG OFFICE PARK, SUITE 105, SOUTHBURY, CONNECTICUT

PROPERTY ADDRESS: SPORT HILL ROAD & CEDAR HILL ROAD, EASTON, CONNECTICUT

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

MICHAEL F. MANSFIELD L.S. #70120

MAP IS NOT VALID WITHOUT A LIVE SIGNATURE AND EMBOSSED SEAL.

Final Approval

At a meeting on ______________________, the Planning and Zoning Commission of the Town of Easton approved this subdivision plan in accordance with the Town's Subdivision Regulations.

______________________ ____________
Chairman/Secretary of the Commission Date

In accordance with the timeframes established by CGS Section 8-26c, the improvements associated with this subdivision shall be completed by: ______________.
Date

OPEN SPACE BREAKDOWN

	OVERALL PROPERTY	OPEN SPACE (HATCHED AREA)	OPEN SPACE (TOTAL)
AREA (TOTAL)	110.7 AC (4,822,092 SF)	*18.9 AC. (823,280 SF)	68.60 AC. (2,988,040 SF)
AREA OF WETLANDS	27.47 AC. (1,196,513 SF)	3.17 AC. (138,190 SF)	-
WETLANDS AS A PERCENT OF AREA	24.81%	**16.8%	-

*PER SECTION 3.05 OF EASTON SUBDIVISION REGULATIONS, AT LEAST 15% OF TOTAL AREA OF SUBDIVISION SHALL BE SET ASIDE FOR OPEN SPACE (17.1% AS SHOWN)
**PER SECTION 3.05 OF TOWN OF EASTON SUBDIVISION REGULATIONS, THE RATIO OF PROPOSED OPEN SPACE CLASSIFIED AS INLAND WETLANDS TO THE TOTAL AREA OF OPEN SPACE SHALL BE EQUAL TO OR SMALLER THAN THE RATIO OF THE AREA OF ALL INLAND WETLANDS IN THE SUBDIVISION TO THE TOTAL AREA OF THE SUBDIVISION (16.80%<24.81%)

NOTE:

1. GREENBELT EASEMENT IN FAVOR OF THE TOWN OF EASTON SHALL BE 5' ALONG SIDE PROPERTY LINES, AND 10' ALONG REAR PROPERTY AS LOCATED ON PLAN

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
PZC REVISIONS	2025-10-15	JRH
IWWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-18	JRH
REVISIONS	2026-08-18	DSR

RESUBDIVISION MAP
SADDLE RIDGE CLUSTER RESUBDIVISION
SPORT HILL ROAD & CEDAR HILL ROAD EASTON, CONNECTICUT

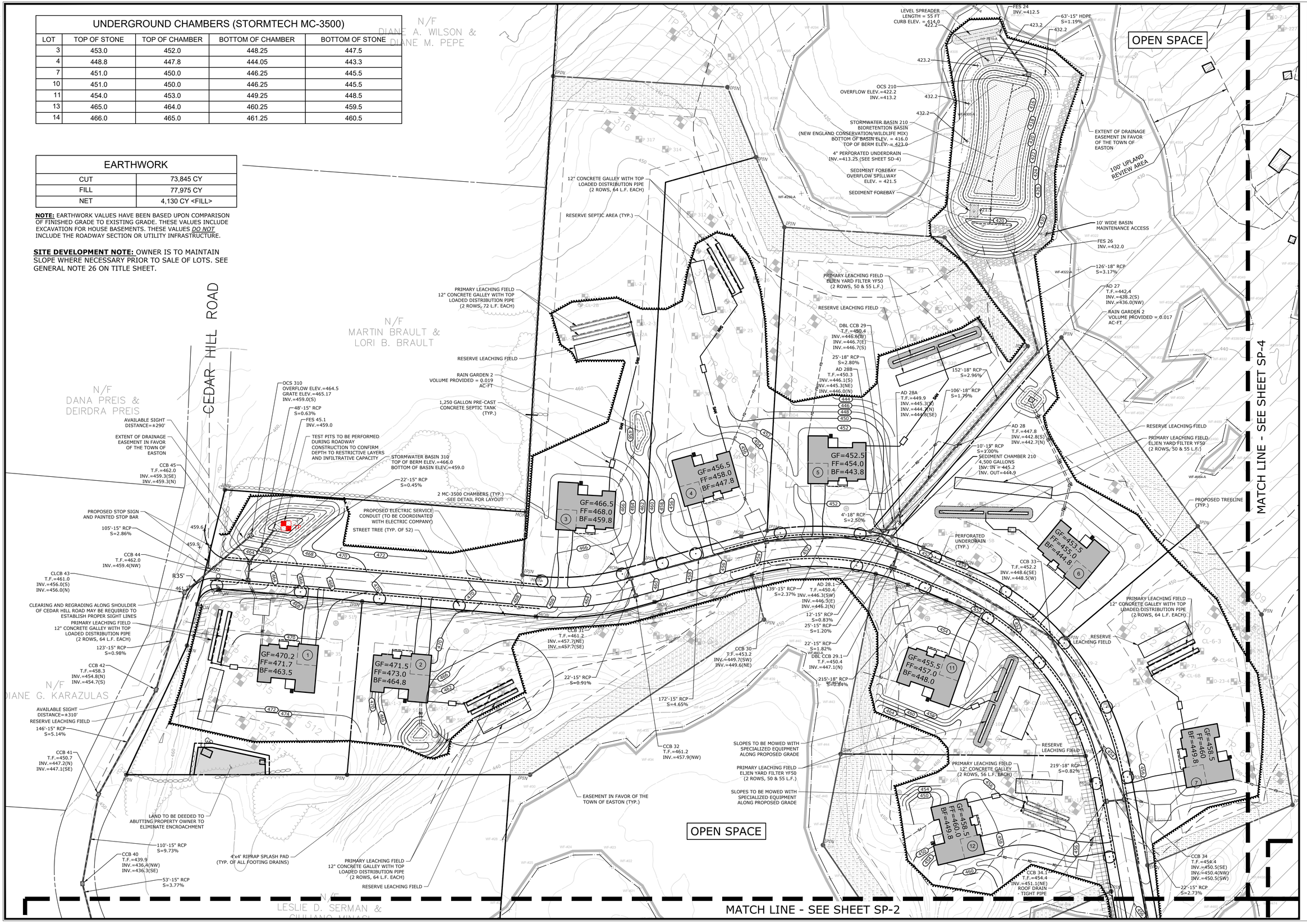
DESIGNED: DSR | DRAWN: DSR | CHECKED: DLO
SCALE: 1"=100'
DATE: OCTOBER 9, 2025
PROJECT NO.: 17307.00017
SHEET NO.: 8 OF 31
SHEET NAME: **SM-2 OF 2**

UNDERGROUND CHAMBERS (STORMTECH MC-3500)				
LOT	TOP OF STONE	TOP OF CHAMBER	BOTTOM OF CHAMBER	BOTTOM OF STONE
3	453.0	452.0	448.25	447.5
4	448.8	447.8	444.05	443.3
7	451.0	450.0	446.25	445.5
10	451.0	450.0	446.25	445.5
11	454.0	453.0	449.25	448.5
13	465.0	464.0	460.25	459.5
14	466.0	465.0	461.25	460.5

EARTHWORK	
CUT	73,845 CY
FILL	77,975 CY
NET	4,130 CY <FILL>

NOTE: EARTHWORK VALUES HAVE BEEN BASED UPON COMPARISON OF FINISHED GRADE TO EXISTING GRADE. THESE VALUES INCLUDE EXCAVATION FOR HOUSE BASEMENTS. THESE VALUES *DO NOT* INCLUDE THE ROADWAY SECTION OR UTILITY INFRASTRUCTURE.

SITE DEVELOPMENT NOTE: OWNER IS TO MAINTAIN SLOPE WHERE NECESSARY PRIOR TO SALE OF LOTS. SEE GENERAL NOTE 26 ON TITLE SHEET.



SLR
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CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
ASPETUCK HD COMMENTS	2025-12-29	DSR
IWVC RESUBMISSION	2026-02-02	JRH
IWVC RESUBMISSION	2026-02-13	JRH
3RD PARTY COMMENTS	2026-03-03	JRH
REVISIONS	2026-03-02	JRH
3RD PARTY COMMENTS	2026-03-16	MCB
LOT REDUCTION REVISIONS	2026-05-18	JRH
REVISIONS	2026-08-18	DSR

SITE DEVELOPMENT PLAN

SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

EAH	DSR	DLO
DESIGNED	DRAWN	CHECKED

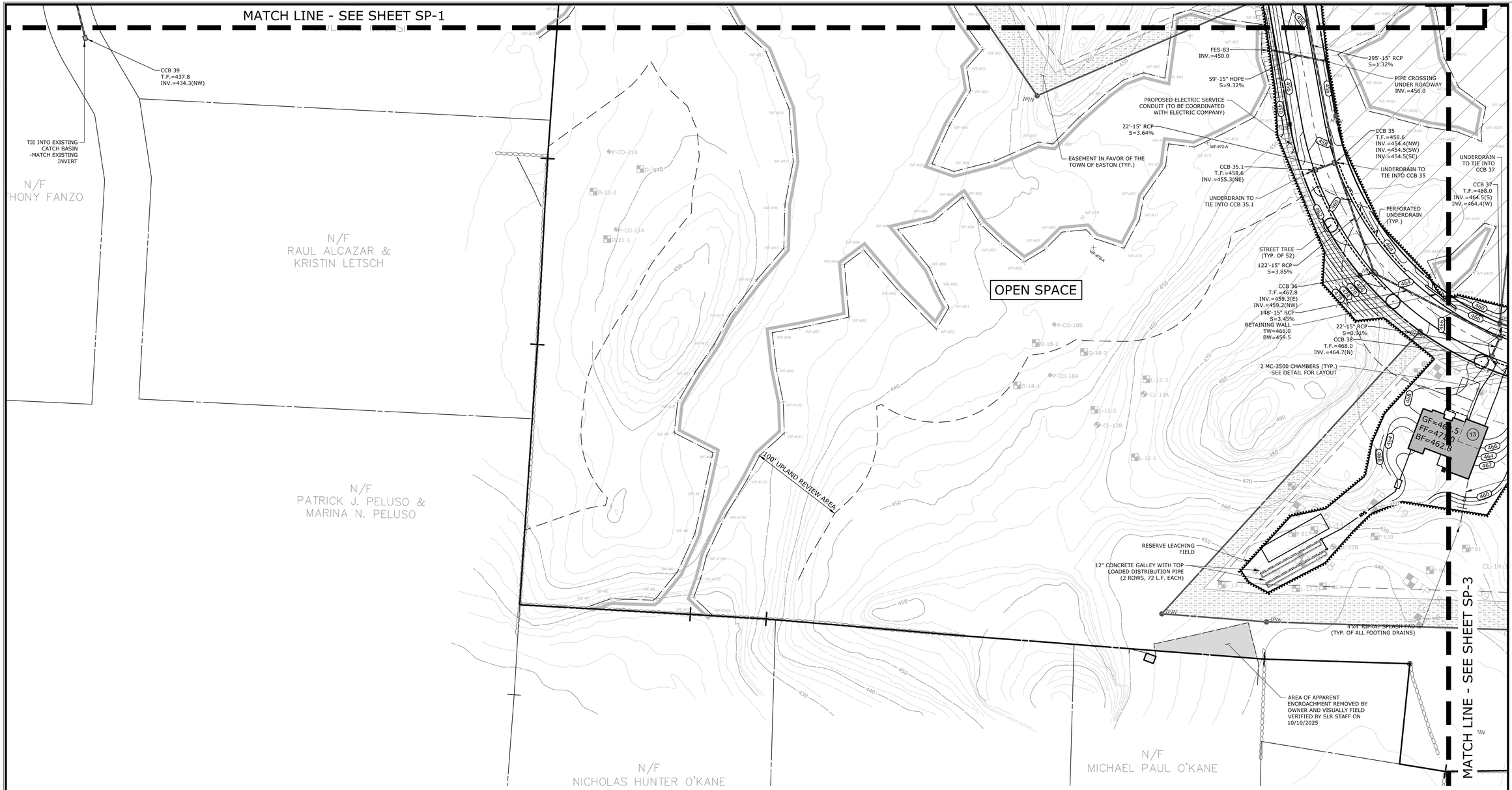
1"=50'
SCALE

OCTOBER 9, 2025
DATE

17307.00017
PROJECT NO.

9 OF 31
SHEET NO.

SP-1
SHEET NAME



ZONING DATA TABLE - CLUSTER SUBDIVISION
EXISTING ZONE: RESIDENTIAL B (RB) DISTRICT

	REQUIRED	LOT 1	LOT 2	LOT 3	LOT 4	LOT 5	LOT 6	LOT 7	LOT 8	LOT 9	LOT 10	LOT 11	LOT 12	LOT 13
MINIMUM LOT AREA	40,000 SF.	49,995 SF.	79,711 SF.	101,660 SF.	69,770 SF.	86,120 SF.	68,395 SF.	64,910 SF.	64,905 SF.	58,965 SF.	68,030 SF.	45,240 SF.	68,985 SF.	86,209 SF.
MINIMUM LOT FRONTAGE	100'	215'	492'	153'	156'	129'	254'	284'	160'	240'	427'	363'	139'	181'
MINIMUM FRONT YARD	50'	59'	59'	52'	54'	53'	55'	65'	67'	79'	81'	57'	147'	58'
MINIMUM SIDE YARD	20'	49'	20'	37'	27'	45'	36'	27'	37'	21'	93'	51'	54'	58'
MINIMUM REAR YARD	40'	101'	89'	504'	341'	357'	108'	67'	99'	129'	96'	59'	104'	160'
MAXIMUM BUILDING HEIGHT	2.5 STORIES, 35' ABOVE HIGHEST ELEV.	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES

ZONING DATA TABLE (CONT.) - CLUSTER SUBDIVISION
EXISTING ZONE: RESIDENTIAL B (RB) DISTRICT

	REQUIRED	LOT 14	LOT 15	LOT 16	LOT 17	LOT 18	LOT 19	LOT 20	LOT 21	LOT 22	LOT 23	LOT 24
MINIMUM LOT AREA	40,000 SF.	85,248 SF.	60,285 SF.	45,735 SF.	41,670 SF.	60,980 SF.	50,010 SF.	53,735 SF.	64,655 SF	95,485 SF.	62,050 SF.	52,940 SF.
MINIMUM LOT FRONTAGE	100'	132'	118'	121'	140'	392'	174'	137'	N/A (REAR LOT)	25'	163'	141'
MINIMUM FRONT YARD	50'	54'	53'	51'	67'	66'	62'	208'	85'	518'	190'	197'
MINIMUM SIDE YARD	20'	22'	31'	29'	28'	37'	34'	26'	30'	30'	40'	27'
MINIMUM REAR YARD	40'	236'	232'	133'	164'	110'	168'	53'	192'	247'	59'	87'
MAXIMUM BUILDING HEIGHT	2.5 STORIES, 35' ABOVE HIGHEST ELEV.	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES	2.5 STORIES

SLR

99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
PZC REVISIONS	2025-10-15	JRH
IWWC RESUBMISSION	2026-02-02	JRH
IWWC RESUBMISSION	2026-02-13	JRH
3RD PARTY COMMENTS	2026-03-03	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-18	JRH
REVISIONS	2026-08-18	DSR

SITE DEVELOPMENT PLAN

SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS

SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

EAH	DSR	DLO
DESIGNED	DRAWN	CHECKED

1"=50'
SCALE

OCTOBER 9, 2025
DATE

17307.00017
PROJECT NO.

10 OF 31
SHEET NO.

SP-2
SHEET NAME

MATCH LINE - SEE SHEET SP-4

MATCH LINE - SEE SHEET SP-2

OPEN SPACE

OPEN SPACE

OPEN SPACE

N/F
UNION CEMETERY ASSOCIATION

N/F
JILLIGENE, LLC

WESTPORT ROAD

SLOPE TO BE MOWED WITH SPECIALIZED EQUIPMENT ALONG PROPOSED GRADE

RAIN GARDEN 19
VOLUME PROVIDED = 0.007 AC-FT

RAIN GARDEN 18
VOLUME PROVIDED = 0.009 AC-FT

FOOTING DRAIN TO BE PUMPED

1,250 GALLON PRE-CAST CONCRETE SEPTIC TANK (TYP.)

RESERVE LEACHING FIELD

PRIMARY LEACHING FIELD
ELJEN YARD FILTER YF50
(2 ROWS, 50 & 55 L.F.)

PRIMARY LEACHING FIELD
12" CONCRETE GALLEY
(2 ROWS, 80 L.F. EACH)

UNDERDRAIN TO TIE INTO CCB 37

CCB 37
T.F.=468.0
INV.=464.5(S)
INV.=464.4(W)

RAIN GARDEN 9
VOLUME PROVIDED = 0.009 AC-FT

RESERVE LEACHING FIELD

FIRE HYDRANT

STREET TREE (TYP. OF 52)

PERFORATED UNDERDRAIN (TYP.)

20,000 GALLON CISTERN FOR FIRE HYDRANT

UNDERDRAIN TO TIE INTO CCB 38

FOOTING DRAIN
TIGHT PIPE

PROPOSED TREELINE (TYP.)

FOOTING DRAIN
TIGHT PIPE
ROOF DRAIN
TIGHT PIPE

PROPOSED ELECTRIC SERVICE CONDUIT (TO BE COORDINATED WITH ELECTRIC COMPANY)

22'-15" RCP
S=0.91%

216'-15" RCP
S=2.27%

CCB 6
T.F.=450.5
INV.=446.8(W)
INV.=446.7(N)
INV.=446.8(SE)

CCB 6.2
T.F.=455.5
INV.=452.0(NE)

CCB 6.1
T.F.=455.5
INV.=451.8(SW)
INV.=451.7(NW)

22'-15" RCP
S=0.91%

GF=456.5
FF=458.0
BF=447.8

GF=453.5
FF=455.0
BF=444.8

GF=457.1
FF=458.6
BF=448.4

GF=472.5
FF=474.0
BF=463.8

GF=462.7
FF=464.2
BF=454.0

GF=469.5
FF=471.0
BF=460.8

SEDIMENT FOREBAY
OVERFLOW SPILLWAY
ELEV. = 405.5

4" PERFORATED UNDERDRAIN
INV=398.75 (SEE SHEET SD-4)

12' WIDE BERM TO ACCOMMODATE MAINTENANCE ACCESS

STORMWATER BASIN 150
BIORETENTION BASIN
(NEW ENGLAND CONSERVATION/WILDLIFE MIX)
BOTTOM OF BASIN ELEV. = 401.5
TOP OF BERM ELEV. = 408.0

OCS 150
OVERFLOW ELEV.=406.9
INV.=398.5

EMERGENCY RIP RAP SPILLWAY
CREST ELEV. = 407.0

LEVEL SPREADER
LENGTH = 40 FT
CURB ELEV. = 400.0

FES 8
INV.=398.0

74'-15" HDPE
S=0.68%

RESERVE LEACHING FIELD

PRIMARY LEACHING FIELD
12" CONCRETE GALLEY WITH TOP LOADED DISTRIBUTION PIPE
(2 ROWS, 64 L.F. EACH)

12' WIDE BASIN MAINTENANCE ACCESS

109'-24" HDPE (TIGHT PIPE)
S=0.55%

MH 4
T.F.=406.2
INV.=402.1(SE)
INV.=402.1(N)

PRIMARY LEACHING FIELD
ELJEN YARD FILTER YF50
(2 ROWS, 50 & 55 L.F.)

SLOPE TO BE MOWED WITH SPECIALIZED EQUIPMENT ALONG PROPOSED GRADE

219'-24" HDPE (TIGHT PIPE)
S=0.50%

RESERVE LEACHING FIELD

FES 3
INV.=401.0

EXTENT OF DRAINAGE EASEMENT IN FAVOR OF THE TOWN OF EASTON

STORMWATER BASIN 140
INFILTRATION BASIN
(NEW ENGLAND CONSERVATION/WILDLIFE MIX)
BOTTOM OF BASIN ELEV. = 401.0
TOP OF BERM ELEV. = 408.0

OCS 140
OVERFLOW ELEV.=406.5
INV.=401.0(SE)

BERM WIDTH = 8 FT

EMERGENCY RIP RAP SPILLWAY
CREST ELEV. = 407.0

LEVEL SPREADER
LENGTH=40 FT
CURB ELEV. = 399.0

70'-15" HDPE
S=4.29%

FES 1
INV.=398.0

12" CONCRETE GALLEY WITH TOP LOADED DISTRIBUTION PIPE
(2 ROWS, 64 L.F. EACH)

RAIN GARDEN 17
VOLUME PROVIDED = 0.013 AC-FT

SLOPE TO BE MOWED WITH SPECIALIZED EQUIPMENT ALONG PROPOSED GRADE

RESERVE LEACHING FIELD

100' UPLAND REVIEW AREA

EASEMENT IN FAVOR OF THE TOWN OF EASTON (TYP.)

PRIMARY LEACHING FIELD
12" CONCRETE GALLEY WITH TOP LOADED DISTRIBUTION PIPE
(2 ROWS, 48 L.F. EACH)

PPTO
WATER TANK

LAND TO BE DEED TO ABUTTING PROPERTY OWNER TO ELIMINATE ENCROACHMENT

APPARENT ENCROACHMENT (CLEARED AREA & WALL)

LAND TO BE DEED TO ABUTTING PROPERTY OWNER TO ELIMINATE ENCROACHMENT

APPARENT ENCROACHMENT (SHED & TRAILER)

NEW ENGLAND CONSERVATION/WILDLIFE MIX
SEED MIX SPECIES: BIG BLUESTEM (ANDROPOGON GERARDII), SWITCHGRASS (PANICUM VIRGATUM), LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM), CANADA WILD RYE (ELYMUS CANADENSIS), FOX SEDGE (CAREX VULPINOIDEA), PATRIDGE PEA (CHAMAECRISTA FASCICULATA), FRINGED BROMEGRASS (BROMUS CILIATUS), PENNSYLVANIA SMARTWEED (POLYGONUM PENSYLVANICUM), COMMON MILKWEED (ASCLEPIAS SYRIACA), SHOWY TICK-TREFOIL (DESMODIUM CANADENSE), NEW ENGLAND ASTER (ASTER NOVAE-ANGILAE), FLAT-TOP ASTER (ASTER UMBELLATUS), NODDING BUR-MARIGOLD (BIDENS CERNUA).

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
PZC REVISIONS	2025-10-15	JRH
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REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-18	JRH
REVISIONS	2026-08-18	DSR

SITE DEVELOPMENT PLAN

SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS

SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

EAH	DSR	DLO
DESIGNED	DRAWN	CHECKED

1"=50'
SCALE

OCTOBER 9, 2025
DATE

17307.00017
PROJECT NO.

11 OF 31
SHEET NO.

SP-3
SHEET NAME

MATCH LINE - SEE SHEET SP-1

MATCH LINE - SEE SHEET SP-3

OPEN SPACE

OPEN SPACE

OPEN SPACE

WETLAND MITIGATION AREA
SEE SHEET WM

100' UPLAND REVIEW AREA

EASEMENT IN FAVOR OF THE TOWN OF EASTON (TYP.)

50-FOOT ACCESS EASEMENT IN FAVOR OF LOT 23

N/F
RONALD SANDONE

N/F
JESSICA WALKER &
RORY WALKER

N/F
DAVID W. EASDON &
C. EASDON

N/F
ANDREW M. WILLAUER &
LYNDA A. WILLAUER

SPORT HILL ROAD

CHURCH ROAD

PRIMARY LEACHING FIELD
12" CONCRETE GALLEY WITH TOP
LOADED DISTRIBUTION PIPE
(2 ROWS, 72 L.F. EACH)

RESERVE LEACHING FIELD

4'x4' RIPRAP SPLASH PAD (TYP. OF ALL ROOF AND FOOTING DRAINS)

RAIN GARDEN 24
VOLUME PROVIDED = 0.005 AC-FT

PRIMARY LEACHING FIELD
12" CONCRETE GALLEY WITH TOP
LOADED DISTRIBUTION PIPE
(2 ROWS, 64 L.F. EACH)

RESERVE LEACHING FIELD

PROPOSED TREELINE (TYP.)

RAIN GARDEN 23
VOLUME PROVIDED =
0.020 AC-FT

PRIMARY LEACHING FIELD
12" CONCRETE GALLEY WITH TOP
LOADED DISTRIBUTION PIPE
(2 ROWS, 64 L.F. EACH)

91'-15" RCP
S=3.74%

6'Hx10'W CONCRETE BOX CULVERT (MODULAR BLOCK END WALLS TO BE DESIGNED BY A CT LICENSED PROFESSIONAL ENGINEER)

CLCB 12A
T.F.=427.9
INV.=423.6(NW)
INV.=423.5(SE)
INV.=424.2(N)
16'-12" RCP
S=0.63%

CCB 12
T.F.=429.0
INV.=424.8(E)
INV.=425.5(SW)
INV.=425.4(SE)
117'-15" RCP
S=6.58%

CCB 13
T.F.=437.0
INV.=433.3(S)
INV.=433.2(NE)

SLOPE TO BE MOWED WITH SPECIALIZED EQUIPMENT ALONG PROPOSED GRADE

RAIN GARDEN 21
VOLUME PROVIDED =
0.009 AC-FT

22'-15" RCP
S=0.91%

CCB 23
T.F.=423.1
INV.=419.7(SE)

RAIN GARDEN 25
VOLUME PROVIDED = 0.011 AC-FT

CCB 22
T.F.=423.1
INV.=419.5(NW)
INV.=419.4(NE)

100'-15" RCP
S=4.00%

PRIMARY LEACHING FIELD
12" CONCRETE GALLEY WITH TOP
LOADED DISTRIBUTION PIPE
(2 ROWS, 48 L.F. EACH)

RESERVE LEACHING FIELD

YD 101
T.F.=419.0
INV.=415.8(SE)

CCB 21
T.F.=420.1
INV.=415.4(SW)
INV.=415.3(NE)
INV.=415.4(NW)

1,250 GALLON
PRE-CAST CONCRETE
SEPTIC TANK (TYP.)

2 MC-3500 CHAMBERS (TYP.)
-SEE DETAIL FOR LAYOUT

AVAILABLE SIGHT
DISTANCE=±630'

PRIMARY LEACHING FIELD
12" CONCRETE GALLEY WITH TOP
LOADED DISTRIBUTION PIPE
(2 ROWS, 64 L.F. EACH)

RESERVE LEACHING FIELD

STREET TREE (TYP. OF 52)

161'-15" RCP
S=2.36%

CCB 20.1
T.F.=416.2
INV.=412.3(SE)

21'-15" RCP
S=3.81%

CCB 20
T.F.=416.2
INV.=411.5(NW)
INV.=410.8(E)
INV.=411.5(SW)
INV.=411.4(S)

CLEARING AND REGRADING ALONG SHOULDER OF SPORT HILL ROAD MAY BE REQUIRED TO ESTABLISH PROPER SIGHT LINES

PROPOSED ROADWAY WIDENING
ALONG SPORT HILL ROAD
(±3' X ±640')

12'-12" RCP
S=1.25%

PROPOSED STOP SIGN AND PAINTED STOP BAR

SEDIMENT CHAMBER 160
2,500 GALLONS
INV. IN=410.7
INV. OUT=410.4

14'-15" RCP
S=7.86%

9'-12" RCP
S=1.11%

16'-15" RCP
S=1.25%

FES 19
INV.=410.0

TEST PITS TO BE PERFORMED DURING ROADWAY CONSTRUCTION TO CONFIRM DEPTH TO RESTRICTIVE LAYERS AND INFILTRATIVE CAPACITY

STORMWATER BASIN 160
INFILTRATION BASIN
(NEW ENGLAND CONSERVATION/WILDLIFE MIX)
BOTTOM OF BASIN ELEV. = 403.0
TOP OF BERM ELEV. = 410.0

SEDIMENT FOREBAY

OCS 160
OVERFLOW ELEV.=408.8
INV.=402.0

EMERGENCY RIP RAP SPILLWAY
CREST ELEV. = 409.0

81'-15" HDPE
S=1.23%

LEVEL SPREADER
LENGTH = 40 FT
CURB ELEV. = 402.0

AVAILABLE SIGHT
DISTANCE=±950'

12" CONCRETE GALLEY WITH TOP
LOADED DISTRIBUTION PIPE
(2 ROWS, 48 L.F. EACH)

CCB 15
T.F.=443.4
INV.=437.0(SW)
INV.=437.0(E)

22'-15" RCP
S=0.91%

CCB 14
T.F.=443.3
INV.=436.8(W)
INV.=436.7(N)
INV.=436.8(E)
INV.=436.8(S)

77'-12" RCP
S=6.23%

RESERVE LEACHING FIELD

PRIMARY LEACHING FIELD
12" CONCRETE GALLEY WITH
TOP LOADED DISTRIBUTION PIPE
(2 ROWS, 64 L.F. EACH)

RAIN GARDEN 22
VOLUME
PROVIDED =
0.023 AC-FT
YD 15.1
T.F.=445.0
INV.=441.8(NE)

SLOPE TO BE MOWED
WITH SPECIALIZED
EQUIPMENT ALONG
PROPOSED GRADE

CCB 7
T.F.=450.5
INV.=447.0(E)

PERFORATED UNDERDRAIN (TYP.)

165'-15" RCP
S=6.00%

165'-15" RCP
S=6.00%

12' WIDE BASIN MAINTENANCE ACCESS ROAD

22'-15" RCP
S=0.91%

216'-15" RCP
S=2.27%

CCB 6
T.F.=450.5
INV.=446.8(W)
INV.=446.7(N)
INV.=446.8(SE)

50'-12" RCP
S=0.80%

PROPOSED ELECTRIC SERVICE CONDUIT (TO BE COORDINATED WITH ELECTRIC COMPANY)
-CONCRETE ENCASEMENT ALONG CULVERT

SEDIMENT CHAMBER 150
1,500 GALLONS
INV. IN=425.0
INV. OUT=424.7

9'-12" RCP
S=2.22%

51'-15" RCP
S=3.81%

RAIN GARDEN 26
VOLUME PROVIDED =
0.018 AC-FT

156'-15" RCP
S=9.49%

RESERVE LEACHING FIELD

21'-15" RCP
S=1.90%
YD 14.1
T.F.=440.5
INV.=437.2(W)

PRIMARY LEACHING FIELD
12" CONCRETE GALLEY WITH TOP
LOADED DISTRIBUTION PIPE
(2 ROWS, 64 L.F. EACH)

CLCB 11
T.F.=414.0
INV.=408.7(NW)
INV.=408.6(SE)

72'-15" RCP
S=3.61%

FES 17
INV.=401.0

EXTENT OF DRAINAGE EASEMENT IN FAVOR OF THE TOWN OF EASTON

FES 10
INV.=406.0

SEDIMENT FOREBAY

SEDIMENT FOREBAY
OVERFLOW SPILLWAY
ELEV. = 405.5

4" PERFORATED UNDERDRAIN
INV=398.75 (SEE SHEET SD-4)

12' WIDE BERM TO ACCOMMODATE MAINTENANCE ACCESS

100-YR

O.F.P.

GF=443.0
FF=454.5
BF=434.3
22

GF=444.0
FF=455.5
BF=435.3
21

GF=450.5
FF=452.0
BF=441.8
20

GF=439.5
FF=441.0
BF=430.8
19

GF=447.5
FF=449.0
BF=438.8
18

GF=454.5
FF=456.0
BF=445.8
8

GF=453.5
FF=455.0
BF=444.8
7

GF=430.8
FF=442.3
BF=422.1
23

GF=436.6
FF=438.1
BF=427.9
24

IPIN

MON

TP

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REVISIONS	2026-08-18	DSR

SITE DEVELOPMENT PLAN

SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS

SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

EAH	DSR	DLO
DESIGNED	DRAWN	CHECKED

1"=50'
SCALE

OCTOBER 9, 2025
DATE

17307.00017
PROJECT NO.

12 OF 31
SHEET NO.

SP-4
SHEET NAME

VEGETATION MAINTENANCE AND MONITORING NOTES:

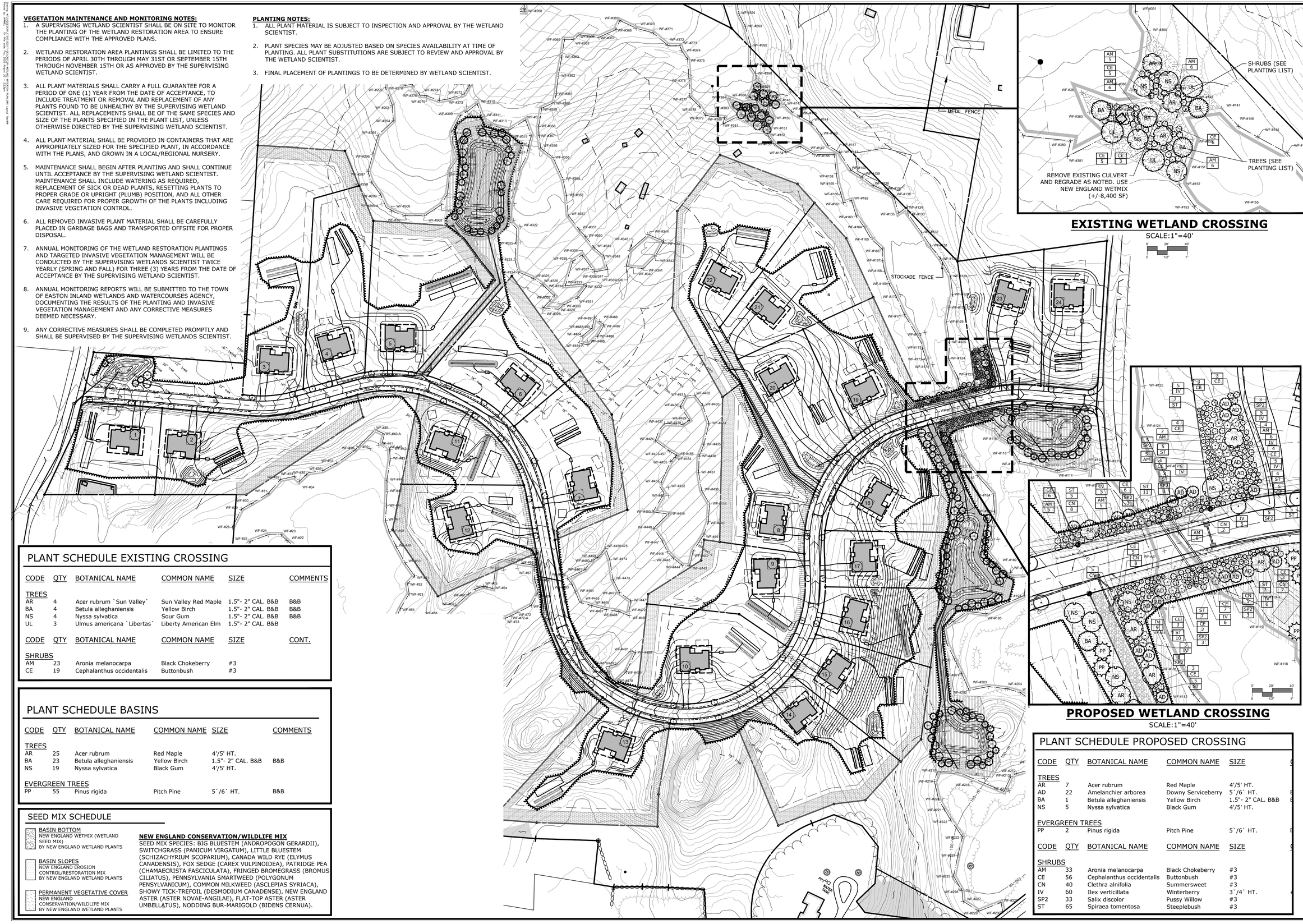
1. A SUPERVISING WETLAND SCIENTIST SHALL BE ON SITE TO MONITOR THE PLANTING OF THE WETLAND RESTORATION AREA TO ENSURE COMPLIANCE WITH THE APPROVED PLANS.
2. WETLAND RESTORATION AREA PLANTINGS SHALL BE LIMITED TO THE PERIODS OF APRIL 30TH THROUGH MAY 31ST OR SEPTEMBER 15TH THROUGH NOVEMBER 15TH OR AS APPROVED BY THE SUPERVISING WETLAND SCIENTIST.
3. ALL PLANT MATERIALS SHALL CARRY A FULL GUARANTEE FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE, TO INCLUDE TREATMENT OR REMOVAL AND REPLACEMENT OF ANY PLANTS FOUND TO BE UNHEALTHY BY THE SUPERVISING WETLAND SCIENTIST. ALL REPLACEMENTS SHALL BE OF THE SAME SPECIES AND SIZE OF THE PLANTS SPECIFIED IN THE PLANT LIST, UNLESS OTHERWISE DIRECTED BY THE SUPERVISING WETLAND SCIENTIST.
4. ALL PLANT MATERIAL SHALL BE PROVIDED IN CONTAINERS THAT ARE APPROPRIATELY SIZED FOR THE SPECIFIED PLANT, IN ACCORDANCE WITH THE PLANS, AND GROWN IN A LOCAL/REGIONAL NURSERY.
5. MAINTENANCE SHALL BEGIN AFTER PLANTING AND SHALL CONTINUE UNTIL ACCEPTANCE BY THE SUPERVISING WETLAND SCIENTIST. MAINTENANCE SHALL INCLUDE WATERING AS REQUIRED, REPLACEMENT OF SICK OR DEAD PLANTS, RESETTING PLANTS TO PROPER GRADE OR UPRIGHT (PLUMB) POSITION, AND ALL OTHER CARE REQUIRED FOR PROPER GROWTH OF THE PLANTS INCLUDING INVASIVE VEGETATION CONTROL.
6. ALL REMOVED INVASIVE PLANT MATERIAL SHALL BE CAREFULLY PLACED IN GARBAGE BAGS AND TRANSPORTED OFFSITE FOR PROPER DISPOSAL.
7. ANNUAL MONITORING OF THE WETLAND RESTORATION PLANTINGS AND TARGETED INVASIVE VEGETATION MANAGEMENT WILL BE CONDUCTED BY THE SUPERVISING WETLANDS SCIENTIST TWICE YEARLY (SPRING AND FALL) FOR THREE (3) YEARS FROM THE DATE OF ACCEPTANCE BY THE SUPERVISING WETLAND SCIENTIST.
8. ANNUAL MONITORING REPORTS WILL BE SUBMITTED TO THE TOWN OF EASTON INLAND WETLANDS AND WATERCOURSES AGENCY, DOCUMENTING THE RESULTS OF THE PLANTING AND INVASIVE VEGETATION MANAGEMENT AND ANY CORRECTIVE MEASURES DEEMED NECESSARY.
9. ANY CORRECTIVE MEASURES SHALL BE COMPLETED PROMPTLY AND SHALL BE SUPERVISED BY THE SUPERVISING WETLANDS SCIENTIST.

PLANTING NOTES:

1. ALL PLANT MATERIAL IS SUBJECT TO INSPECTION AND APPROVAL BY THE WETLAND SCIENTIST.
2. PLANT SPECIES MAY BE ADJUSTED BASED ON SPECIES AVAILABILITY AT TIME OF PLANTING. ALL PLANT SUBSTITUTIONS ARE SUBJECT TO REVIEW AND APPROVAL BY THE WETLAND SCIENTIST.
3. FINAL PLACEMENT OF PLANTINGS TO BE DETERMINED BY WETLAND SCIENTIST.

EXISTING WETLAND CROSSING

SCALE:1"=40'



PROPOSED WETLAND CROSSING

SCALE:1"=40'

PLANT SCHEDULE EXISTING CROSSING

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
TREES					
AR	4	Acer rubrum `Sun Valley`	Sun Valley Red Maple	1.5"- 2" CAL. B&B	B&B
BA	4	Betula alleghaniensis	Yellow Birch	1.5"- 2" CAL. B&B	B&B
NS	4	Nyssa sylvatica	Sour Gum	1.5"- 2" CAL. B&B	B&B
UL	3	Ulmus americana `Libertas`	Liberty American Elm	1.5"- 2" CAL. B&B	
CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT.
SHRUBS					
AM	23	Aronia melanocarpa	Black Chokeberry	#3	
CE	19	Cephalanthus occidentalis	Buttonbush	#3	

PLANT SCHEDULE BASINS

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COMMENTS
TREES					
AR	25	Acer rubrum	Red Maple	4'/5' HT.	
BA	23	Betula alleghaniensis	Yellow Birch	1.5"- 2" CAL. B&B	B&B
NS	19	Nyssa sylvatica	Black Gum	4'/5' HT.	
EVERGREEN TREES					
PP	55	Pinus rigida	Pitch Pine	5`/6` HT.	B&B

SEED MIX SCHEDULE

BASIN BOTTOM
NEW ENGLAND WETMIX (WETLAND SEED MIX)
BY NEW ENGLAND WETLAND PLANTS

BASIN SLOPES
NEW ENGLAND EROSION CONTROL/RESTORATION MIX
BY NEW ENGLAND WETLAND PLANTS

PERMANENT VEGETATIVE COVER
NEW ENGLAND CONSERVATION/WILDLIFE MIX
BY NEW ENGLAND WETLAND PLANTS

NEW ENGLAND CONSERVATION/WILDLIFE MIX

SEED MIX SPECIES: BIG BLUESTEM (ANDROPOGON GERARDII), SWITCHGRASS (PANICUM VIRGATUM), LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM), CANADA WILD RYE (ELYMUS CANADENSIS), FOX SEDGE (CAREX VULPINOIDEA), PATRIDGE PEA (CHAMAECRISTA FASCICULATA), FRINGED BROMEGRASS (BROMUS CILIATUS), PENNSYLVANIA SMARTWEED (POLYGONUM PENSYLVANICUM), COMMON MILKWEED (ASCLEPIAS SYRIACA), SHOWY TICK-TREFOIL (DESMODIUM CANADENSE), NEW ENGLAND ASTER (ASTER NOVAE-ANGILAE), FLAT-TOP ASTER (ASTER UMBELLATUS), NODDING BUR-MARIGOLD (BIDENS CERNUA).

PLANT SCHEDULE PROPOSED CROSSING

CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
TREES				
AR	7	Acer rubrum	Red Maple	4'/5' HT.
AD	22	Amelanchier arborea	Downy Serviceberry	5`/6` HT.
BA	1	Betula alleghaniensis	Yellow Birch	1.5"- 2" CAL. B&B
NS	5	Nyssa sylvatica	Black Gum	4'/5' HT.
EVERGREEN TREES				
PP	2	Pinus rigida	Pitch Pine	5`/6` HT.
CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE
SHRUBS				
AM	33	Aronia melanocarpa	Black Chokeberry	#3
CE	56	Cephalanthus occidentalis	Buttonbush	#3
CN	40	Clethra alnifolia	Summersweet	#3
IV	60	Ilex verticillata	Winterberry	3`/4` HT.
SP2	33	Salix discolor	Pussy Willow	#3
ST	65	Spiraea tomentosa	Steeplebush	#3

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REVISIONS	2026-08-18	DSR

WETLAND MITIGATION PLAN

SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
DSR	DSR	DLO

SCALE: AS NOTED
DATE: OCTOBER 9, 2025
PROJECT NO.: 17307.00017
SHEET NO.: 13 OF 31
SHEET NAME: WM

EROSION CONTROL LEGEND

- CE — CONSTRUCTION ENTRANCE ANTI-TRACKING PAD
- SW — STRAW WATTLE
- SF — SEDIMENT FILTER FENCE
- TST — TEMPORARY SEDIMENT TRAP
- TEMPORARY CONTOUR FOR TST
- NRCS SOILS BOUNDARY
- WB — WATER BAR (WATER BREAK)
- IP — INLET PROTECTION
- STK — SOIL STOCKPILE AREA
- DB — TEMPORARY DIVERSION BERM/SWALE
- RIP RAP OVERFLOW DISCHARGE
- ECB — TEMPORARY EROSION CONTROL BLANKET

SOIL EROSION AND SEDIMENT CONTROL NARRATIVE

SEDIMENT AND EROSION CONTROL MEASURES AS DEPICTED ON THESE PLANS AND DESCRIBED WITHIN THE SEDIMENT AND EROSION CONTROL NARRATIVE SHALL BE IMPLEMENTED AND MAINTAINED UNTIL PERMANENT COVER AND STABILIZATION IS ESTABLISHED. ALL SEDIMENT AND EROSION CONTROL MEASURES SHALL CONFORM TO THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, CONNECTICUT - 2024, TOWN OF EASTON REQUIREMENTS, AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.

1. PURPOSE AND DESCRIPTION OF PROJECT
A.) THE CONSTRUCTION OF THE ROADWAYS AND ASSOCIATED INFRASTRUCTURE. ROADWAY CONSTRUCTION TO INCLUDE ROADS AND STORMWATER MANAGEMENT IN SUPPORT OF AN 26 LOT SINGLE FAMILY RESIDENTIAL SUBDIVISION. LOT CONSTRUCTION WILL OCCUR ON A LOT BY LOT BASIS. ROADWAY CONSTRUCTION WILL BE COMPLETED IN FIRST PHASE, WHERE TEMPORARY SEDIMENT TRAPS ARE PROVIDED WHERE DISTURBANCE TO BUILD THE ROAD AND UTILITIES WILL EXCEED 1.0 ACRES.
B.) TOTAL DISTURBED AREA INCLUDING FUTURE LOT CONSTRUCTION: ±31.67 AC.

2. IDENTIFICATION OF EROSION AND SEDIMENT CONTROL CONCERNS
A.) CUTS AND FILLS ASSOCIATED WITH CONSTRUCTION.
B.) PROTECTION OF ONSITE AND OFFSITE WETLANDS AND WATER COURSES

3. IDENTIFICATION OF OTHER POSSIBLE PERMITS
A.) LOCAL INLAND WETLANDS, PLANNING AND ZONING PERMITS
B.) DEEP CONSTRUCTION GENERAL PERMIT

4. RESPONSIBLE PARTY
A.) DURING ROADWAY CONSTRUCTION SEDIMENT AND EROSION CONTROLS WILL BE MAINTAINED BY THE SITE CONTRACTOR
B.) DURING LOT CONSTRUCTION SEDIMENT AND EROSION CONTROLS WILL BE MAINTAINED BY THE SITE CONTRACTOR AND/OR PERMITTEE/REGISTRANT.

TEMPORARY SEDIMENT TRAP SIZING SUMMARY

TRAP NO.	ACRES	VOLUME STORAGE REQUIRED	DEPTH STORAGE PROVIDED	AREA/ DIMENSIONS	VOLUME PROVIDED
#1	4.33	580 CY	2.5 FT.	13,500 S.F.	1250 CY
#2	3.07	411 CY	3.0 FT.	44 FT. X 85 FT.	415 CY
#3	3.15	422 CY	3.0 FT.	14,300 S.F.	1589 CY
#4	3.53	473 CY	2.0 FT.	10,500 S.F.	778 CY
#5	3.43	460 CY	4.0 FT.	40 FT. X 80 FT.	474 CY
#6	3.05	409 CY	3.5 FT.	10,600 S.F.	1374 CY
#7	2.61	349 CY	3.5 FT.	40 FT. X 80 FT.	414 CY

*134 CY STORAGE VOLUME REQUIRED PER ACRE CONTRIBUTING AREA TO TST

NOTE: GRADING RIGHTS BETWEEN LOTS SHALL BE GRANTED IF NEEDED DURING CONSTRUCTION.

TEMPORARY DIVERSION SIZING

TST	C	I (IN./HR.)	A (AC.)	Q REQUIRED (CFS)	T (FT.)	D (FT.)	Q PROVIDED (CFS)
1	0.5	0.227	4.33	0.49	7	3.5	0.84
2	0.24	0.227	3.07	0.17	6	3	0.41
3	0.41	0.227	3.15	0.29	6	3	0.41
4	0.39	0.227	3.53	0.31	6	3	0.41
5	0.29	0.227	3.43	0.22	6	3	0.41
6	0.45	0.227	3.05	0.311	6	3	0.41
7	0.27	0.227	2.61	0.16	6	3	0.41

CONVERSION OF SEDIMENT TRAPS TO STORMWATER BASIN NOTES

1. ONCE A MAJORITY OF THE WATERSHED REACHING A SEDIMENT TRAP HAS BEEN FULLY STABILIZED, THEN THE PROCESS OF CONVERTING A SEDIMENT TRAP TO A DETENTION BASIN CAN BEGIN. IT IS RECOMMENDED THAT THIS CONVERSION OCCUR ONCE THE ROADWAY AND UTILITIES ARE GENERALLY COMPLETE WITH PROCESSED BASE COURSE IN PLACE AND DISTURBED AREAS ASSOCIATED WITH THE ROAD CONSTRUCTION ARE STABILIZED WITH PERMANENT VEGETATION. LOT CONSTRUCTION CAN THEN PROCEED WITH PERIMETER EROSION CONTROLS DESIGNED FOR EACH PLOT PLAN.
2. THE SEDIMENT TRAPS SHOULD CAREFULLY BE DEWATERED IF NECESSARY. EXTREME CARE SHOULD BE TAKEN TO ENSURE RESUSPENSION OF SOIL PARTICLES DOESN'T OCCUR DURING DEWATERING.
3. BOTH THE SEDIMENT TRAP AREA SHOULD BE CLEANED OUT OF ANY ACCUMULATED SEDIMENT. ONCE THE SEDIMENT HAS BEEN SUFFICIENTLY DEWATERED AND DRIED, THE BASIN MAY BE EXCAVATED TO THE PROPOSED BOTTOM ELEVATION.
4. THE EMBANKMENT DAM OF THE BASIN SHOULD BE INSPECTED TO ENSURE NO DAMAGE OR STRUCTURAL ISSUES HAVE ARISEN. THE DIMENSIONS AND GRADE OF THE BASIN SHOULD BE CONFIRMED WITH THE PROPOSED GRADING OF THE DETENTION BASIN.
5. ASSOCIATED STORM WATER STRUCTURES AND PIPES SHOULD BE INSPECTED FOR ACCUMULATED SEDIMENT AND DAMAGED AND REPLACED/CLEANED AS NEEDED.
6. EROSION CONTROL MATTING SHALL BE UTILIZED ALONG THE LINING OF THE BASIN TO PROMOTE STABILIZATION OF SOILS AND SUPPORTS THE GROWTH OF VEGETATION.
7. INSTALLATION OF PROPOSED LANDSCAPING, TOPSOIL AND SEED MIXES SHOULD OCCUR AS THE FINAL STEP OF THE CONVERSION FROM SEDIMENT TRAP TO DETENTION BASIN.

RIP RAP OVERFLOW DISCHARGE (TYP.)
TST #1
ECB
100' UPLAND REVIEW AREA
SW (TYP.)
DB (TYP.)
SF (TYP.)
TST #2
IP (TYP.)
CE
STK
MATCH LINE - SEE SHEET SP-4
MATCH LINE - SEE SHEET SP-2

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
REVISIONS	2025-11-11	JRH
IWWC RESUBMISSION	2026-02-02	JRH
IWWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-18	JRH
REVISIONS	2026-08-18	DSR

SEDIMENT & EROSION CONTROL PLAN
SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

EAH	DSR	DLO
DESIGNED	DRAWN	CHECKED

1"=50'
SCALE
OCTOBER 9, 2025
DATE
17307.00017
PROJECT NO.
14 OF 31
SHEET NO.
SE-1
SHEET NAME

MATCH LINE - SEE SHEET SP-1

CONSTRUCTION SEQUENCE:

THE FOLLOWING IS INTENDED TO OUTLINE A REASONABLE CONSTRUCTION SEQUENCE OF MAJOR TASKS THAT MINIMIZE THE AMOUNT OF EXPOSED SOIL AREA AT ANY ONE TIME. ANY CHANGES TO THE SEQUENCE OF CONSTRUCTION MUST BE COORDINATED WITH THE TOWN ENGINEER AND/OR A DESIGNATED TOWN REPRESENTATIVE. PRIOR TO CONSTRUCTION A CT DEEP CONSTRUCTION GENERAL PERMIT SHALL BE FILED AND APPROVED BY DEEP. THIS IS TYPICALLY A 60-DAY PROCESS.

1.PRIOR TO COMMENCEMENT OF WORK A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH TOWN STAFF AND REPRESENTATIVES OF THE CONTRACTOR AND OWNER. AT THIS MEETING, ONE PERSON WILL BE PLACED IN CHARGE OF SEDIMENT AND EROSION CONTROL FOR THE ENTIRE SITE, ROADWAY, UTILITY, AND STORMWATER BASIN CONSTRUCTION.

ROADWAY, UTILITY, AND STORMWATER BASIN CONSTRUCTION

1. CONTRACTOR TO STAKE OUT LIMIT OF DISTURBANCE AND VEGETATION TO BE RETAINED, INCLUDING ANY TREES THAN CAN BE SAVED ALONG THE ROADWAY. THE ROADWAY CONSTRUCTION WILL INCLUDE BORROW AND FILL AREAS ON LOTS ADJACENT TO THE ROAD NECESSARY TO SUPPORT THE ROAD AND WHERE COMMON GRADING CROSSES LOT LINES. NO OTHER CLEARING OR EARTHWORK SHOULD TAKE PLACE ON THE LOTS UNTIL A PLOT PLAN IS APPROVED BY THE ASPETUCK HEALTH DISTRICT

2. CONTRACTOR TO INSTALL SEDIMENT AND EROSION CONTROLS ALONG THE PERIMETER, AND INSTALL STABILIZED CONSTRUCTION ENTRANCES, AS SHOWN ON THE PLANS.

3. CONTRACTOR TO INSTALL DIVERSION BERMS, AND TEMPORARY SEDIMENT BASINS PER THE SEDIMENT AND EROSION CONTROL PLAN PRIOR TO EACH PHASE OF GRADING AND MODIFIED AS NECESSARY TO FUNCTION.

4. CONTRACTOR TO STAKE OUT ROADWAY AND STORMWATER DRAINAGE INFRASTRUCTURE.

6. BEGIN STRIPPING TOPSOIL AND CLEARING FOR ROADWAY CONSTRUCTION. TOPSOIL SHALL BE STOCKPILED IN AREAS DESIGNATED ON THE DESIGN PLANS AND BE ENCIRCLED WITH SEDIMENT FILTER FENCES. DO NOT STOCKPILE OVER PRIMARY AND RESERVE SEPTIC SYSTEM AREAS. TOPSOIL STOCKPILES THAT ARE TO SIT UNDISTURBED FOR GREATER THAN 30 DAYS ARE TO BE STABILIZED WITH TEMPORARY SEEDING.

7. INITIATE MASS EARTHWORK OPERATIONS AFTER ALL BASINS, BERMS, SILT FENCE & HAY BALES ARE INSTALLED.

8. SLOPES ARE TO BE ESTABLISHED AS SOON AS PRACTICAL BEFORE UTILITY INSTALLATION. ALL DISTURBED AREAS THAT WILL NOT BE ACTIVE FOR 1-12 MONTHS SHALL BE STABILIZED WITH A TEMPORARY VEGETATIVE SOIL COVER IF APPLIED DURING THE GROWING SEASON. OUTSIDE OF GROWING SEASON EITHER WOODCHIPS OR OTHER NON-LIVING SOIL PROTECTION SHALL BE PROVIDED.

9. BEGIN ROADWAY AND UTILITY CONSTRUCTION, MODIFY EROSION CONTROL PLAN ACCORDINGLY TO ACCOMMODATE CHANGES IN DRAINAGE PATTERNS CREATED BY ROADWAY CONSTRUCTION. DEWATERING WASTEWATERS SHALL BE PUMPED INTO A FILTERING DEVICE.

10. CREATE WATERBARS EVERY 300' ALONG THE ROAD TO PREVENT STORMWATER RUNNING DOWN THE BOXED-OUT ROAD. SURFACE RUNOFF FROM ROADWAY CONSTRUCTION IS TO BE DIRECTED TO TEMPORARY SEDIMENT TRAPS UNTIL SUCH TIME THAT THE ROAD BASE IS DOWN AND THE PERMANENT STORM DRAINAGE SYSTEM CAN BE UTILIZED. ADJUSTMENT TO SPACING OF WATER BAR WILL BE MADE BASED UPON FIELD CONDITIONS AND DEMONSTRATED EFFECTIVENESS. ADD STAKED HAYBALES AND/OR CRUSHED STONE CHECKDAMS IN THE GUTTER IN-BETWEEN THE WATERBARS. CREATE A STOCKPILE OF FIFTEEN HAYBALES TO BE KEPT ON-SITE UNDER COVER FOR EMERGENCY USE.

12. ONCE UTILITY CONSTRUCTION IS COMPLETE WITHIN THE ROADWAY, THE PROCESSED AGGREGATE ROAD BASE SHALL BE PLACED, FINE GRADED, AND COMPACTED. AT THIS TIME, INLET PROTECTION FOR THE PROPOSED CATCH BASINS SHALL BE INSTALLED. PROVIDE STONE BERMS TO DIRECT RUNOFF INTO THE DRAINAGE SYSTEM.

13. ROADWAY SHOULDER AND SLOPE AREAS SHALL BE FINE GRADED, TOPSOIL PLACED, AND PERMANENT VEGETATIVE COVER ESTABLISHED.

14. PLACE BINDER COURSE OF BITUMINOUS CONCRETE ON THE PROPOSED ROADWAY.

15. AFTER BINDER COURSE IS PLACED ON THE ROAD AND THE WATERSHED TO THE WATER QUALITY/DETENTION BASIN IS SUBSTANTIALLY STABILIZED, ANY PROPOSED PLANTINGS FOR THE BASIN MAY BE PLACED. THE PLANTINGS SHALL BE PLACED IN LATE FALL OR EARLY SPRING WHICHEVER IS MOST APPROPRIATE ACCORDING TO CONSTRUCTION SCHEDULE. THE PERMANENT BASINS USED AS TEMPORARY SEDIMENT TRAPS SHALL BE CONVERTED TO PERMANENT BASINS.

16. INSTALL CURBING ON ROAD.

17. INSPECT AND CLEAN STORM DRAINAGE SYSTEM AS NEEDED.

18. WHEN ALL OTHER WORK HAS BEEN COMPLETED, REPAIR AND SWEEP ALL PAVED AREAS FOR FINAL COURSE OF PAVEMENT. INSPECT THE DRAINAGE SYSTEM AND CLEAN AS NEEDED.

LOT DEVELOPMENT

1. INDIVIDUAL LOT DEVELOPMENT WILL OCCUR AS LOTS ARE SOLD. THE PROPOSED HOUSE AND DRIVEWAY LOCATIONS HAVE BEEN SHOWN ON THESE PLANS TO INDICATE HOW THE LOT COULD POSSIBLY BE DEVELOPED, BUT NOT NECESSARILY HOW THE LOT WILL BE DEVELOPED. THE FINAL SIZE, SHAPE AND LOCATION OF THE HOUSE AND DRIVEWAY MAY VARY AS LONG AS ALL REQUIRED SEPARATING CODES AND DISTANCES ARE MAINTAINED. PLOT PLANS PREPARED FOR INDIVIDUAL LOT DEVELOPMENT SHALL INCORPORATE SEDIMENT AND EROSION CONTROLS IN CONFORMANCE WITH THE "GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL, CONNECTICUT - 2024".

2. CONTRACTOR TO STAKE OUT LIMIT OF DISTURBANCE AND VEGETATION TO BE RETAINED, INCLUDING ANY TREES THAN CAN BE SAVED ALONG THE ROADWAY. THE ROADWAY CONSTRUCTION WILL INCLUDE BORROW AND FILL AREAS ON LOTS ADJACENT TO THE ROAD NECESSARY TO SUPPORT THE ROAD AND WHERE COMMON GRADING CROSSES LOT LINES. NO OTHER CLEARING OR EARTHWORK SHOULD TAKE PLACE ON THE LOTS UNTIL A PLOT PLAN IS APPROVED BY THE ASPETUCK HEALTH DISTRICT

3. CONTRACTOR TO INSTALL SEDIMENT AND EROSION CONTROLS ALONG THE PERIMETER, AND INSTALL STABILIZED CONSTRUCTION ENTRANCES, AS SHOWN ON THE PLANS.

4. STRIP AND STOCKPILE TOPSOIL

5. EXCAVATE HOUSE FOUNDATION AND ROUGH GRADE THE LOT

6. ONCE FOUNDATION IS BACKFILLED FINE GRADE AND TEMPORARILY SEED DISTURBED AREAS OF LOT OUTSIDE OF WORK AREA TO COMPLETE HOUSE, SEPTIC, AND DRIVEWAY CONSTRUCTION.

7. CONSTRUCT SEPTIC SYSTEM AND WELL

8. COMPLETE FINE GRADING, INSTALL DRIVEWAY, LANDSCAPING, TOPSOIL AND SEED LAWN AREAS FOR PERMANENT STABILIZATION.

9. ONCE VEGETATION IS SUITABLY ESTABLISHED, EROSION CONTROLS CAN BE REMOVED

EROSION CONTROL LEGEND

- CE — CONSTRUCTION ENTRANCE ANTI-TRACKING PAD
- SW — STRAW WATTLE
- SF — SEDIMENT FILTER FENCE
- TST — TEMPORARY SEDIMENT TRAP
- TEMPORARY CONTOUR FOR TST
- NRCS SOILS BOUNDARY
- WB — WATER BAR (WATER BREAK)
- IP — INLET PROTECTION
- STK — SOIL STOCKPILE AREA
- DB — TEMPORARY DIVERSION BERM/SWALE
- RIP RAP OVERFLOW DISCHARGE
- ECB — TEMPORARY EROSION CONTROL BLANKET

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
IWWC RESUBMISSION	2026-02-02	JRH
IWWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-16	JRH
REVISIONS	2026-08-18	DSR

SEDIMENT & EROSION CONTROL PLAN

SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS

SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
EAH	DSR	DLO

SCALE: 1"=50'
DATE: OCTOBER 9, 2025
PROJECT NO.: 17307.00017
SHEET NO.: 15 OF 31
SHEET NAME: SE-2

MATCH LINE - SEE SHEET SP-4

MATCH LINE - SEE SHEET SP-2

SW (TYP.)

SF (TYP.)

ECB

STK

DB (TYP.)

RIP RAP OVERFLOW DISCHARGE (TYP.)

TST #4

TST #3

100' UPLAND REVIEW AREA

PPT WATER TANK

WESTPORT ROAD

EROSION CONTROL LEGEND

CE	CONSTRUCTION ENTRANCE ANTI-TRACKING PAD	WB	WATER BAR (WATER BREAK)
SW	STRAW WATTLE	IP	INLET PROTECTION
SF	SEDIMENT FILTER FENCE	STK	SOIL STOCKPILE AREA
TST	TEMPORARY SEDIMENT TRAP	DB	TEMPORARY DIVERSION BERM/SWALE
	TEMPORARY CONTOUR FOR TST		RIP RAP OVERFLOW DISCHARGE
	NRCS SOILS BOUNDARY	ECB	TEMPORARY EROSION CONTROL BLANKET

0' 25' 50'
0 1/2" 1"

SLR

99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
IWWC RESUBMISSION	2026-02-02	JRH
IWWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
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SEDIMENT & EROSION CONTROL PLAN

SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS

SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

EAH	DSR	DLO
DESIGNED	DRAWN	CHECKED

SCALE: 1"=50'

DATE: OCTOBER 9, 2025

PROJECT NO.: 17307.00017

SHEET NO.: 16 OF 31

SHEET NAME: SE-3

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
WWC RESUBMISSION	2026-02-02	JRH
WWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-18	JRH
REVISIONS	2026-08-18	DSR

SEDIMENT & EROSION CONTROL PLAN

SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS

SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
EAH	DSR	DLO

SCALE: 1"=50'

DATE: OCTOBER 9, 2025

PROJECT NO.: 17307.00017

SHEET NO.: 17 OF 31

SHEET NAME: **SE-4**

OBSERVED & DOCUMENTED BY: TODD RITCHIE, P.E.
DATE: APRIL 1, 2025
MACHINE EXCAVATED TEST PITS

TPCL-1-3	
Depth	Soil
0-2"	Organics
2-18"	Brown fine sandy loam w/ silt
18-44"	Gray compact sand, silt, gravel (hardpan)
Roots	No Roots observed
Groundwater	No groundwater observed
Redox	No redox observed
Ledge	Ledge at 44

TPCL-1-1	
Depth	Soil
0-3"	Organics
3-16"	Brown fine sandy loam w/ some silt
16-33"	Gray compact sand w/ some silt, gravel (hardpan)
Roots	No roots observed
Groundwater	No groundwater to 33
Redox	Redox at 24
Ledge	Ledge at 33

TPCL-1-2	
Depth	Soil
0-2"	Organics
2-28"	Brown fine sandy loam w/ some silt
28-80"	Gray compact sand w/ some silt, gravel (hardpan)
Roots	Roots to 28
Groundwater	No groundwater to 80
Redox	Redox at 28
Ledge	No ledge to 80

TPCL-1-5	
Depth	Soil
0-2"	Organics
2-28"	Brown fine sandy loam w/ some silt
28-84"	Gray compact sand w/ some silt, gravel (hardpan)
Roots	Roots to 28
Groundwater	No groundwater to 84
Redox	Redox at 28
Ledge	No ledge to 84

TPCL-1-4	
Depth	Soil
0-2"	Organics
2-25"	Brown fine sandy loam w/ some silt
25-77"	Gray compact sand w/ some silt, gravel (hardpan)
Roots	Roots to 25
Groundwater	No groundwater to 77
Redox	Possible redox in the gray layer
Ledge	No ledge to 77

TPCL-3-1	
Depth	Soil
0-2"	Organics
2-36"	Orange brown fine sandy loam
36-86"	Gray brown compact sand w/ some silt, cobbles
Roots	Roots to 36
Groundwater	No groundwater to 86
Redox	Possible redox in the gray layer
Ledge	No ledge to 86

TPCL-3-3	
Depth	Soil
0-2"	Organics
2-32"	Orange brown fine sandy loam
32-85"	Gray brown compact sand w/ some silt, cobbles
Roots	Roots to 28
Groundwater	No groundwater to 85
Redox	Possible redox in the gray layer
Ledge	No ledge to 85

TPCL-3-2	
Depth	Soil
0-2"	Organics
2-24"	Orange brown fine sandy loam
24-86"	Gray brown compact sand w/ some silt, cobbles
Roots	Roots to 24
Groundwater	No groundwater to 86
Redox	Possible redox in the gray layer
Ledge	No ledge to 86

TPCO-20-1	
Depth	Soil
0-2"	Organics
2-28"	Orange brown fine sandy loam
28-82"	Gray brown compact sand w/ some silt, cobbles
Roots	Roots to 28
Groundwater	No groundwater to 82
Redox	Possible redox in the gray layer
Ledge	No ledge to 82

TPCO-20-2	
Depth	Soil
0-2"	Organics
2-27"	Orange brown fine sandy loam
27-76"	Gray brown compact sand w/ some silt, cobbles
Roots	Roots to 27
Groundwater	No groundwater to 76
Redox	Possible redox in the gray layer
Ledge	No ledge to 76

TPCO-20-3	
Depth	Soil
0-2"	Organics
2-22"	Brown fine sandy loam w/ some silt
22-57"	Gray compact sand w/ some silt, gravel
Roots	Roots to 22
Groundwater	No groundwater to 57
Redox	Possible redox in the gray layer
Ledge	No ledge to 57

OBSERVED & DOCUMENTED BY: SCOTT NOLAN, P.E.
DATE: APRIL 8, 2025
MACHINE EXCAVATED TEST PITS

TPCL-2-3	
Depth	Soil
0-2"	Organics
2-28"	Orange brown fine sandy loam w/ some silt
28-84"	Gray brown compact sand, some silt, cobbles (hardpan)
Roots	Roots to 28
Groundwater	No groundwater to 84
Redox	Redox at 28
Ledge	No ledge to 84

TPCL-2-1	
Depth	Soil
0-3"	Organics
3-24"	Orange brown fine sandy loam w/ some silt
24-57"	Gray brown compact sand, some silt, cobbles (hardpan)
Roots	Roots to 24
Groundwater	No groundwater to 57
Redox	Redox at 24
Ledge	Ledge at 57

TPCL-2-2	
Depth	Soil
0-2"	Organics
2-35"	Orange brown fine sandy loam w/ some silt
35-85"	Gray brown compact sand,some gravel (hardpan)
Roots	Roots to 39
Groundwater	No groundwater to 85
Redox	Possible redox at 35
Ledge	Ledge at 85

TPCL-2-4	
Depth	Soil
0-2"	Organics
2-29"	Orange brown fine sandy loam w/ some silt, cobbles
29-76"	Gray brown compact sand,some silt, cobbles (hardpan)
Roots	Roots to 29
Groundwater	No groundwater to 76
Redox	Redox at 29
Ledge	Ledge at 76

TPCO-2-1	
Depth	Soil
0-3"	Organics
3-30"	Orange brown fine sandy loam w/ some silt
30-65"	Gray brown sand,some silt, cobbles (hardpan)
Roots	Roots to 30
Groundwater	Groundwater at 65
Redox	Redox at 30
Ledge	Ledge at 65

TPCO-2-3	
Depth	Soil
0-2"	Organics
2-26"	Orange brown fine sandy loam w/ some silt
26-72"	Gray brown sand,some silt, cobbles (hardpan)
Roots	Roots to 26
Groundwater	No groundwater to 72
Redox	Redox at 26
Ledge	Ledge at 72

TPCO-2-2	
Depth	Soil
0-4"	Organics
4-28"	Orange brown fine sandy loam w/ some silt
28-60"	Gray brown sand,some silt, cobbles (hardpan)
Roots	Roots to 28
Groundwater	Groundwater at 60
Redox	Redox at 28
Ledge	Ledge at 60

TPCO-1-3	
Depth	Soil
0-3"	Organics
3-24"	Orange brown fine sandy loam w/ silt
24-46"	Gray brown fine compact sand w/ cobbles (hardpan)
46-70"	Brown fine sand
Roots	Roots to 24
Groundwater	Groundwater at 38
Redox	Redox at 34
Ledge	No ledge to 70

TPCO-1-2	
Depth	Soil
0-3"	Organics
3-29"	Orange brown fine sandy loam w/ some silt
29-68"	Gray brown sand,some silt (hardpan)
Roots	Roots to 29
Groundwater	Groundwater at 66
Redox	Redox at 29
Ledge	Ledge at 68

TPCO-1-1	
Depth	Soil
0-3"	Organics
3-35"	Orange brown fine sandy loam w/ some silt
35-46"	Gray brown sand,some silt, cobbles (hardpan)
Roots	Roots to 35
Groundwater	No groundwater to 46
Redox	Redox at 35
Ledge	Ledge at 46

TPCO-1-4	
Depth	Soil
0-2"	Organics
2-29"	Orange brown fine sandy loam w/ some silt
29-55"	Gray brown sand,some silt, cobbles (hardpan)
Roots	Roots to 29
Groundwater	No groundwater to 55
Redox	Possible redox at 29
Ledge	Ledge at 55

OBSERVED & DOCUMENTED BY: SCOTT NOLAN, P.E.
DATE: APRIL 10, 2025
MACHINE EXCAVATED TEST PITS

TPCL-4-1	
Depth	Soil
0-2"	Organics
2-39"	Orange brown fine silty loam
39-60"	Brown sandy loam, trace silt
Roots	Roots to 39
Groundwater	Groundwater at 53
Redox	Redox at 39
Ledge	Ledge at 60

TPCL-4-2	
Depth	Soil
0-3"	Organics
3-41"	Orange brown fine silty loam
41-83"	Brown sandy loam, trace silt
Roots	Roots to 31
Groundwater	Groundwater at 65
Redox	Redox at 41
Ledge	Ledge at 83

TPCL-4-3	
Depth	Soil
0-2"	Organics
2-43"	Orange brown silty loam
43-76"	Brown silty loam w/ sand
Roots	Roots to 40
Groundwater	Groundwater seepage at 55, standing groundwater at 70
Redox	Possible redox at 43
Ledge	Ledge at 76

TPCL-5-2	
Depth	Soil
0-3"	Organics
3-36"	Orange brown fine sandy loam w/ some silt
36-91"	Gray brown compact sand w/ gravel, cobbles, some silt
Roots	Roots to 36
Groundwater	Groundwater at 80
Redox	No redox to 91
Ledge	Ledge at 91

TPCL-5-3	
Depth	Soil
0-2"	Organics
2-37"	Orange brown fine sandy loam w/ some silt
37-78"	Gray brown compact sand w/ gravel, cobbles, some silt
Roots	Roots to 37
Groundwater	Groundwater at 73
Redox	Redox at 37
Ledge	Ledge at 78

TPCL-5-1	
Depth	Soil
0-3"	Organics
3-33"	Orange brown fine sandy loam w/ some silt
33-72"	Gray brown compact sand w/ gravel, cobbles, some silt
Roots	Roots to 33
Groundwater	No groundwater to 72
Redox	No redox to 72
Ledge	Ledge at 72

TPCO-23-2	
Depth	Soil
0-2"	Organics
2-24"	Orange brown fine sandy loam w/ some silt
24-60"	Gray brown compact sand w/ gravel, some silt
Roots	Roots to 10
Groundwater	Groundwater seepage at 24
Redox	No redox to 60
Ledge	Ledge at 60

TPCO-23-3	
Depth	Soil
0-2"	Organics
2-29"	Orange brown fine sandy loam w/ some silt
29-67"	Gray brown compact sand w/ gravel, some silt
Roots	Roots to 11
Groundwater	Groundwater seepage at 29
Redox	No redox to 67
Ledge	Ledge at 67

TPCO-23-1	
Depth	Soil
0-5"	Organics
5-29"	Orange brown silty loam w/ sand
29-87"	Brown sandy loam w/ some silt, gravel
Roots	Roots to 29
Groundwater	Groundwater seepage at 63
Redox	No redox to 87
Ledge	Ledge at 87

TPCO-23-4	
Depth	Soil
0-12"	Organics
12-26"	Orange brown silty loam w/ sand
26-77"	Brown sandy loam w/ some silt, gravel
Roots	Roots to 26
Groundwater	Groundwater seepage at 58
Redox	No redox to 77
Ledge	Ledge at 77

TPCL-6-3	
Depth	Soil
0-2"	Organics
2-32"	Orange brown fine sandy loam w/ some silt
32-77"	Gray Brown compact sand w/ gravel, some silt
Roots	Roots to 24
Groundwater	Groundwater seepage at 32
Redox	Redox at 30
Ledge	Ledge at 77

TPCL-6-2	
Depth	Soil
0-2"	Organics
2-33"	Orange brown fine sandy loam w/ some silt
33-78"	Gray Brown compact sand w/ gravel, some silt
Roots	Roots to 24
Groundwater	Groundwater seepage at 37
Redox	Redox at 33
Ledge	Ledge at 78

TPCL-6-1	
Depth	Soil
0-2"	Organics
2-33"	Orange brown fine sandy loam w/ some silt
33-84"	Gray Brown compact sand w/ gravel, some silt
Roots	Roots to 33
Groundwater	Groundwater seepage at 50, standing groundwater at 80
Redox	Redox at 33
Ledge	Ledge at 84

OBSERVED & DOCUMENTED BY: SCOTT NOLAN, P.E.
DATE: APRIL 15, 2025
MACHINE EXCAVATED TEST PITS

TPCL-10-3	
Depth	Soil
0-3"	Organics
3-37"	Orange brown fine silty loam w/ some sand
37-71"	Brown sandy loam, some gravel, trace silt
Roots	Roots to 26
Groundwater	Groundwater seepage at 37
Redox	Redox at 31
Ledge	No ledge to 71

TPCL-10-2	
Depth	Soil
0-12"	Organics
12-35"	Orange brown fine silty loam w/ some sand
35-90"	Brown sandy loam, some gravel
Roots	Roots to 22
Groundwater	Groundwater seepage at 36
Redox	Redox at 33
Ledge	No ledge to 90

TPCL-10-1	
Depth	Soil
0-5"	Organics
5-37"	Orange brown fine silty loam w/ some sand
37-58"	Gray mottled silty loam (hardpan)
58-81"	Brown sandy loam, some gravel, trace silt
Roots	Roots to 32
Groundwater	Groundwater seepage at 61
Redox	Redox at 37
Ledge	Ledge at 81

TPCO-19-3	
Depth	Soil
0-7"	Organics
7-31"	Orange brown fine silty loam w/ some sand
31-77"	Brown compact sandy loam, trace silt
Roots	Roots to 25
Groundwater	Groundwater seepage at 31
Redox	Redox at 31
Ledge	No ledge to 77

TPCO-19-2	
Depth	Soil
0-4"	Organics
4-23"	Orange brown fine silty loam w/ some sand
23-69"	Brown compact sandy loam, trace silt
Roots	Roots to 19
Groundwater	Groundwater seepage at 23
Redox	Redox at 19
Ledge	No ledge to 69

TPCO-19-4	
Depth	Soil
0-8"	Organics
8-39"	Orange brown fine silty loam w/ some sand
39-68"	Brown compact sandy loam, trace silt
Roots	Roots to 31
Groundwater	Groundwater seepage at 39
Redox	Redox at 32
Ledge	ledge at 68

TPCL-11-1	
Depth	Soil
0-5"	Organics
5-35"	Orange brown fine silty loam w/ some sand
35-71"	Gray brown compact sandy loam, some gravel
Roots	Roots to 21
Groundwater	Groundwater at 66
Redox	Redox at 35
Ledge	ledge at 71

TPCL-11-3	
Depth	Soil
0-9"	Organics
9-34"	Orange brown fine silty loam w/ some sand
34-76"	Brownish gray compact sandy loam, some silt
Roots	Roots to 36
Groundwater	Groundwater at 75
Redox	Redox at 40
Ledge	no ledge to 76

TPCL-11-2	
Depth	Soil
0-2"	Organics
2-26"	Orange brown fine silty loam w/ some sand
26-61"	Brownish gray compact sandy loam, some silt
Roots	Roots to 21
Groundwater	No groundwater to 61
Redox	No redox observed
Ledge	ledge at 61

OBSERVED & DOCUMENTED BY: SCOTT NOLAN, P.E.
DATE: APRIL 17, 2025
MACHINE EXCAVATED TEST PITS

TPCO-21-3	
Depth	Soil
0-6"	Organics
6-28"	Orange brown fine silty loam w/ some sand
28-62"	Brown fine sand, some gravel, trace silt
Roots	Roots to 32
Groundwater	No groundwater to 62
Redox	No redox to 62
Ledge	No ledge to 62

TPCO-21-1	
Depth	Soil
0-6"	Organics
6-27"	Orange brown fine silty loam w/ some sand
27-62"	Brown fine sand, some gravel, trace silt
Roots	Roots to 40
Groundwater	No groundwater to 62
Redox	No redox to 62
Ledge	No ledge to 62

TPCO-21-2	
Depth	Soil
0-7"	Organics
7-29"	Orange brown fine silty loam w/ some sand
29-52"	Brown fine sand, some gravel, trace silt
Roots	Roots to 32
Groundwater	No groundwater to 52
Redox	No redox to 52
Ledge	No ledge to 52

TPCL-12-3	
Depth	Soil
0-10"	Organics
10-42"	Orange brown fine silty loam w/ some sand
42-64"	Brown fine sand, some gravel, trace silt
Roots	Roots to 42
Groundwater	No groundwater to 64
Redox	No redox to 64
Ledge	No ledge to 64

TPCL-12-1	
Depth	Soil
0-10"	Organics
10-43"	Orange brown silty loam
Roots	Roots to 41
Groundwater	No groundwater to 43
Redox	No redox to 43
Ledge	Ledge at 43

TPCL-12-2	
Depth	Soil
0-8"	Organics
8-37"	Orange brown silty loam
37-60"	Brown fine sand, some gravel, trace silt
Roots	Roots to 37
Groundwater	No groundwater to 60
Redox	No redox to 60
Ledge	Ledge at 60

TPCO-18-1	
Depth	Soil
0-8"	Organics
8-37"	Orange brown silty loam
37-68"	Brown fine sand, some gravel, trace silt
Roots	Roots to 37
Groundwater	No groundwater to 68
Redox	Redox at 37
Ledge	Ledge at 68

TPCO-18-2	
Depth	Soil
0-9"	Organics
9-33"	Orange brown silty loam
33-71"	Brown fine sand, some gravel, trace silt
Roots	Roots to 26
Groundwater	Groundwater at 53
Redox	Redox at 38
Ledge	Ledge at 71

TPCO-18-3	
Depth	Soil
0-2"	Organics
2-47"	Red brown silt loam
47-70"	Brown fine sand, some gravel, trace silt
Roots	Roots to 52
Groundwater	No groundwater to 70
Redox	No redox to 70
Ledge	Ledge at 70

TPCL-13-1	
Depth	Soil
0-14"	Organics
14-36"	Red brown silt loam
36-61"	Tan fine sand, some gravel, trace silt
Roots	Roots to 36
Groundwater	No groundwater to 61
Redox	No redox to 61
Ledge	No ledge to 61

TPCL-13-2	
Depth	Soil
0-10"	Organics
10-44"	Red brown silt loam
44-70"	Tan fine sand, some gravel, trace silt
Roots	Roots to 44
Groundwater	Groundwater at 60
Redox	Redox at 44
Ledge	No ledge to 70

TPCL-13-3	
Depth	Soil
0-10"	Organics
10-26"	Dark brown silt loam
26-74"	Tan fine compact sand, some gravel, trace silt, mottled
Roots	Roots to 26
Groundwater	Groundwater at 55
Redox	Redox at 26
Ledge	No ledge to 74

TPCL-14-2
Not suitable for septic (proximity to property line)
Relocated and dug as CL-14-4

TPCL-14-3
Originally marked on ledge
Relocated and dug as TPCL-14-5/TPCO-16-1

TPCL-14-1	
Depth	Soil
0-6"	Organics
6-57"	Red brown silt loam
57-70"	Tan fine sand, some gravel, trace silt
Roots	Roots to 42
Groundwater	No groundwater to 70
Redox	No redox to 70
Ledge	Ledge at 70

TPCL-14-4	
Depth	Soil
0-7"	Organics
7-39"	Red brown silt loam
39-66"	Tan fine sand, some gravel, trace silt
Roots	Roots to 39
Groundwater	No groundwater to 66
Redox	No redox to 66
Ledge	No ledge to 66

TPCL-14-5/TPCO-16-1	
Depth	Soil
0-10"	Organics
10-47"	Red brown silt loam
47-73"	Tan fine sand, some gravel, trace silt
Roots	Roots to 56
Groundwater	Groundwater at 72
Redox	No redox to 56
Ledge	Ledge at 73

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
HVHC RESUBMISSION	2026-02-02	JRH
REVISIONS	2026-03-02	JRH

SOIL TESTING DATA
SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

DSR	DSR	TDR
DESIGNED	DRAWN	CHECKED

N/A
SCALE

OCTOBER 9, 2025
DATE

17307.00017
PROJECT NO.

18 OF 31
SHEET NO.

ST-1
SHEET NAME

Plotted by: DANIEL.DEMARCO on Mon, Mar 02, 2026 - 4:26pm
S:\Projects\17307.00017 Saddle Ridge Cluster Resubdivision\Civil\Sheets\ST-1.dwg

OBSERVED & DOCUMENTED BY: SCOTT NOLAN, P.E.
DATE: APRIL 24, 2025
MACHINE EXCAVATED TEST PITS

TPCL-17-1	
Depth	Soil
0-4"	Organics
4-30"	Orange brown silty loam w/ some sand
30-72"	Tan fine compact sand, some gravel and silt
Roots	Roots to 30
Groundwater	No groundwater to 72
Redox	No redox to 72
Ledge	Ledge at 72

TPCL-17-3	
Depth	Soil
0-4"	Organics
4-31"	Orange brown silty loam w/ some sand
31-71"	Tan fine compact sand, some gravel and silt
Roots	Roots to 31
Groundwater	No groundwater to 71
Redox	Redox at 31
Ledge	Ledge at 71

TPCL-17-2	
Depth	Soil
0-4"	Organics
4-27"	Orange brown silty loam w/ some sand
27-81"	Gray brown fine compact sand, some gravel, silt, cobbles
Roots	Roots to 27
Groundwater	No groundwater to 81
Redox	Redox at 27
Ledge	Ledge at 81

TPCO-13-1	
Depth	Soil
0-6"	Organics
6-29"	Orange brown silty loam w/ some sand
29-74"	Gray brown fine compact sand, some gravel, silt, cobbles
Roots	Roots to 29
Groundwater	No groundwater to 74
Redox	Redox at 29
Ledge	Ledge at 74

TPCL-18-1	
Depth	Soil
0-6"	Organics
6-39"	Orange brown silty loam w/ some sand
39-76"	Gray brown fine compact sand, some gravel, silt, cobbles
Roots	Roots to 39
Groundwater	No groundwater to 76
Redox	Redox at 40
Ledge	Ledge at 76

TPCL-18-2	
Depth	Soil
0-7"	Organics
7-36"	Yellow Brown silty loam w/ some sand
36-69"	Tan fine compact sand, some gravel, silt
Roots	Roots to 36
Groundwater	no groundwater to 69
Redox	Redox at 36
Ledge	Ledge at 69

TPCL-18-3	
Depth	Soil
0-6"	Organics
6-45"	Yellow Brown silty loam w/ some sand
45-84"	Tan fine compact sand, some gravel, silt
Roots	Roots to 45
Groundwater	groundwater at 60
Redox	Redox at 45
Ledge	Ledge at 84

TPCL-19-1 * Confirmatory TP to be dug at time of septic install	
Depth	Soil
0-2"	Organics
2-24"	Orange brown silty loam w/ some sand
24-58"	Tan fine compact sand, some gravel, silt
Roots	Roots to 24
Groundwater	No groundwater to 58
Redox	No redox to 58
Ledge	Ledge at 58

TPCL-19-3	
Depth	Soil
0-5"	Organics
5-44"	Red Brown silty loam w/ some sand
44-64"	Gray brown fine compact sand, some gravel, silt
Roots	Roots to 44
Groundwater	No groundwater to 64
Redox	No redox to 64
Ledge	Ledge at 64

TPCL-19-2	
Depth	Soil
0-6"	Organics
6-40"	Red Brown silty loam w/ some sand
40-66"	Gray brown fine compact sand, some gravel, silt
Roots	Roots to 40
Groundwater	No groundwater to 66
Redox	No redox to 66
Ledge	Ledge at 66

TPCL-20-1	
Depth	Soil
0-8"	Organics
8-58"	Orange brown silty loam w/ some sand
58-78"	Tan fine compact sand, some gravel, silt
Roots	Roots to 58
Groundwater	No groundwater to 78
Redox	No redox to 78
Ledge	Ledge at 78

TPCL-20-2	
Depth	Soil
0-7"	Organics
7-37"	Orange brown silty loam w/ some sand
37-81"	Bank run sand and gravel
Roots	Roots to 37
Groundwater	Groundwater at 67
Redox	No redox to 67
Ledge	Ledge at 81

TPCL-20-4	
Depth	Soil
0-4"	Organics
4-45"	Red Brown silty loam w/ some sand
45-80"	Tan fine compact sand, some gravel, silt, cobbles
Roots	Roots to 45
Groundwater	No groundwater to 80
Redox	No redox to 80
Ledge	Ledge at 80

TPCL-20-3	
Depth	Soil
0-5"	Organics
5-44"	Orange brown silty loam w/ some sand
Roots	No roots observed
Groundwater	No groundwater to 44
Redox	No redox to 44
Ledge	Ledge at 44

OBSERVED & DOCUMENTED BY: SCOTT NOLAN, P.E.
DATE: APRIL 29, 2025
MACHINE EXCAVATED TEST PITS

TPCL-7-1	
Depth	Soil
0-5"	Topsoil
5-29"	Orange brown silty loam w/ some sand
29-62"	Tan fine compact sand, some gravel and silt
Roots	Roots to 29
Groundwater	No groundwater to 62
Redox	No redox to 62
Ledge	Ledge at 62

TPCL-7-2	
Depth	Soil
0-10"	Organics/Topsoil
10-30"	Orange brown silty loam w/ some sand
30-77"	Tan fine compact sand, some gravel and silt
Roots	Roots to 30
Groundwater	No groundwater to 77
Redox	No redox to 77
Ledge	Ledge at 77

TPCL-7-3	
Depth	Soil
0-7"	Organics/Topsoil
7-33"	Orange brown silty loam w/ some sand
33-68"	Tan fine compact sand, some gravel and silt
Roots	Roots to 33
Groundwater	No groundwater to 68
Redox	No redox to 68
Ledge	Ledge at 68

TPCL-22-1	
Depth	Soil
0-5"	Organics
5-34"	Orange brown silty loam w/ some sand
34-64"	Tan fine compact sand, some gravel and silt
Roots	Roots to 34
Groundwater	No groundwater to 64
Redox	No redox to 64
Ledge	Ledge at 64

TPCL-22-2	
Depth	Soil
0-4"	Organics
4-33"	Orange brown silty loam w/ some sand
33-75"	Grey fine compact sand, some gravel and silt
Roots	Roots to 33
Groundwater	No groundwater to 75
Redox	No redox to 75
Ledge	Ledge at 75

TPCL-22-3	
Depth	Soil
0-4"	Organics
4-28"	Orange brown silty loam w/ some sand
28-83"	Grey fine compact sand, some gravel and silt
Roots	Roots to 28
Groundwater	No groundwater to 83
Redox	No redox to 83
Ledge	Ledge at 83

TPCL-21-1	
Depth	Soil
0-9"	Organics
9-30"	Orange brown silty loam w/ some sand
30-79"	Tan fine compact sand, some gravel and silt
Roots	Roots to 30
Groundwater	Standing groundwater at 78
Redox	Possible redox at 30
Ledge	Ledge at 79

TPCL-21-2	
Depth	Soil
0-9"	Organics
9-34"	Orange brown silty loam w/ some sand
34-67"	Tan fine compact sand, some gravel and silt
Roots	Roots to 34
Groundwater	No groundwater to 67
Redox	No redox to 67
Ledge	Ledge at 67

TPCL-21-3	
Depth	Soil
0-5"	Organics
5-34"	Orange brown silty loam w/ some sand
34-77"	Tan fine compact sand, some gravel and silt
Roots	Roots to 34
Groundwater	Standing groundwater at 74
Redox	Redox at 34
Ledge	Ledge at 77

TPCL-23-1	
Depth	Soil
0-6"	Organics
6-35"	Orange brown silty loam w/ some sand
35-74"	Tan fine compact sand, some gravel and silt
Roots	Roots to 35
Groundwater	Standing groundwater at 69
Redox	Redox at 35
Ledge	Ledge at 74

TPCL-23-2	
Depth	Soil
0-8"	Organics
8-28"	Orange brown silty loam w/ some sand
28-70"	Tan fine compact sand, some gravel and silt
Roots	Roots to 28
Groundwater	Standing groundwater at 68
Redox	Redox at 28
Ledge	Ledge at 70

TPCL-23-3	
Depth	Soil
0-7"	Organics
7-30"	Orange brown silty loam w/ some sand
30-69"	Tan fine compact sand, some gravel and silt
Roots	Roots to 30
Groundwater	Standing groundwater at 68
Redox	Redox at 30
Ledge	Ledge at 69

TPCO-5-3	
Depth	Soil
0-10"	Organics
10-29"	Brown silty loam w/ some sand, cobbles
29-73"	Tan fine compact sand, some gravel and silt
Roots	Roots to 29
Groundwater	Standing groundwater at 61, seeping at 31
Redox	Redox at 29
Ledge	Ledge at 73

TPCO-5-2	
Depth	Soil
0-8"	Organics
8-33"	Brown silty loam w/ some sand, cobbles
33-70"	Tan fine compact sand, some gravel and silt
Roots	Roots to 33
Groundwater	Standing groundwater at 62, seeping at 40
Redox	Redox at 33
Ledge	Ledge at 70

TPCO-5-1	
Depth	Soil
0-8"	Organics
8-30"	Brown silty loam w/ some sand, cobbles
30-69"	Tan fine compact sand, some gravel and silt
Roots	Roots to 30
Groundwater	Standing groundwater at 55, seeping at 40
Redox	Redox at 30
Ledge	Ledge at 69

TPCL-24-4	
Depth	Soil
0-5"	Organics
5-39"	Brown silty loam w/ some sand, cobbles
39-73"	Tan fine compact sand, some gravel and silt
Roots	Roots to 39
Groundwater	Standing groundwater at 69
Redox	No redox to 73
Ledge	Ledge at 73

TPCL-24-1	
Depth	Soil
0-35"	Fill Material
35-68"	Tan fine compact sand, some gravel and silt
Roots	Roots to 35
Groundwater	Standing groundwater at 67
Redox	Redox at 35
Ledge	Ledge at 68

TPCL-24-2	
Depth	Soil
0-5"	Organics
5-35"	Brown silty loam w/ some sand, cobbles
35-66"	Tan fine compact sand, some gravel and silt
Roots	Roots to 35
Groundwater	Standing groundwater at 63
Redox	Redox at 35
Ledge	Ledge at 66

TPCL-24-3 Observed trash in pit, did not read layers
Relocated and dug as pit CL-24-4

TPCO-8-1	
Depth	Soil
0-25"	Fill Material
25-45"	Brown silty loam w/ some sand, cobbles
45-70"	Tan fine compact sand, some gravel and silt
Roots	Roots to 45
Groundwater	Standing groundwater at 66
Redox	Redox at 45
Ledge	Ledge at 70

TPCO-8-3	
Depth	Soil
0-5"	Organics
5-36"	Brown silty loam w/ some sand, cobbles
36-65"	Tan fine compact sand, some gravel and silt
Roots	Roots to 36
Groundwater	No groundwater to 65
Redox	No redox to 65
Ledge	Ledge at 65

TPCO-8-2	
Depth	Soil
0-4"	Organics
4-31"	Brown silty loam w/ some sand, cobbles
31-65"	Tan fine compact sand, some gravel and silt
Roots	Roots to 31
Groundwater	Standing groundwater at 63
Redox	No redox to 65
Ledge	Ledge at 65

OBSERVED & DOCUMENTED BY: SCOTT NOLAN, P.E.
DATE: MAY 1, 2025
MACHINE EXCAVATED TEST PITS

TPCO-6-1	
Depth	Soil
0-10"	Organics
10-26"	Orange brown silty loam w/ some sand
26-75"	Tan fine compact sand, some gravel and silt
Roots	Roots to 26
Groundwater	Groundwater at 40
Redox	Redox at 26
Ledge	No ledge to 75

TPCO-6-2	
Depth	Soil
0-11"	Organics
11-21"	Orange brown silty loam w/ some sand
21-71"	Tan fine compact sand, some gravel and silt
Roots	Roots to 21
Groundwater	Groundwater seepage at 34, standing at 49
Redox	Redox at 21
Ledge	No ledge to 71

TPCO-6-3	
Depth	Soil
0-8"	Organics
8-24"	Orange brown silty loam w/ some sand
24-72"	Tan fine compact sand, some gravel and silt
Roots	No Roots
Groundwater	Groundwater seepage at 56, standing at 59
Redox	Redox at 24
Ledge	No ledge to 72

TPCO-7-1	
Depth	Soil
0-8"	Organics
8-43"	Orange brown silty loam w/ some sand, cobbles
43-68"	Tan fine compact sand, some gravel and silt
Roots	Roots to 43
Groundwater	No groundwater to 68
Redox	No redox to 68
Ledge	No ledge to 68

TPCO-7-2	
Depth	Soil
0-6"	Organics
6-30"	Orange brown silty loam w/ some sand, cobbles
30-60"	Tan fine compact sand, some gravel and silt
Roots	Roots to 30
Groundwater	No groundwater to 60
Redox	No redox to 60
Ledge	No ledge to 60

TPCO-7-3	
Depth	Soil
0-12"	Organics
12-32"	Orange brown silty loam w/ some sand
32-80"	Tan fine compact sand, some gravel and silt
Roots	Roots to 53
Groundwater	Groundwater at 71
Redox	Redox at 32
Ledge	Ledge at 80

TPCL-25-1	
Depth	Soil
0-8"	Topsoil
8-27"	Orange brown silty loam w/ some sand, cobbles
27-48"	Tan fine compact sand, some gravel and silt
Roots	No Roots to 48
Groundwater	No groundwater to 48
Redox	No redox to 48
Ledge	Ledge at 48

TPCL-25-2	
Depth	Soil
0-8"	Topsoil
8-38"	Orange brown silty loam w/ some sand, cobbles
38-70"	Tan fine compact sand, some gravel and silt
Roots	No Roots to 70
Groundwater	No groundwater to 70
Redox	No redox to 70
Ledge	Ledge at 70

TPCL-25-3	
Depth	Soil
0-5"	Topsoil
5-36"	Orange brown silty loam w/ some sand, cobbles
36-68"	Tan fine compact sand, some gravel and silt
Roots	No Roots to 68
Groundwater	No groundwater to 68
Redox	No redox to 68
Ledge	Ledge at 68

TPCL-26-1	
Depth	Soil
0-6"	Topsoil
6-31"	Orange brown silty loam w/ some sand, cobbles
31-61"	Tan fine compact sand, some gravel and silt
Roots	No Roots to 61
Groundwater	No groundwater to 61
Redox	No redox to 61
Ledge	Ledge at 61

TPCL-26-2	
Depth	Soil
0-5"	Topsoil
5-31"	Orange brown silty loam w/ some sand, cobbles
31-58"	Tan fine compact sand, some gravel and silt
Roots	No Roots to 58
Groundwater	No groundwater to 58
Redox	No redox to 58
Ledge	Ledge at 58

TPCL-26-3	
Depth	Soil
0-6"	Topsoil
6-37"	Orange brown silty loam w/ some sand, cobbles
37-66"	Tan fine compact sand, some gravel and silt
Roots	No Roots to 66
Groundwater	No groundwater to 66
Redox	No redox to 66
Ledge	Ledge at 66

TEST PITS UTILIZED FOR STORMWATER BASIN DESIGN
TEST PITS OBSERVED BY MICHAEL LAMBERT
DATE: 2007-2010
MACHINE EXCAVATED TEST PITS

TP 21	
Depth	Soil
0-3"	Topsoil, leaf litter
3-40"	Orange brown find sandy silt
40-60"	Brown fine sandy silt
60-86"	Gray brown fine sand, pebbles
Roots	No Roots to 29
Groundwater	No groundwater to 66
Redox	No redox Observed
Ledge	No Ledge Observed

TP 30	
Depth	Soil
0-6"	Topsoil, leaf litter
6-36"	Brown fine sandy silt
36-73"	Compact Brown/Gray Slt Sand, Mottling
Roots	No Roots to 40
Groundwater	No groundwater Observed
Redox	No redox to 40
Ledge	No Ledge Observed

TP 111	
Depth	Soil
0-8"	Compacted Topsoil, Small Rocks
8-28"	Brown Fine Sandy Slt, Large Rocks
28-45"	Light Brown Fine Sandy Slt, Rocks and Gravel
45-84"	Grey Brown Fine Sandy Slt, Rocks and Gravel
Roots	No Roots Observed
Groundwater	No groundwater Observed
Redox	No redox Observed
Ledge	No Ledge Observed

TP 325	
Depth	Soil
0-9"	Topsoil, leaf litter
9-33"	Brown fine sandy silt
33-50"	Grey Brown Fine Sandy Slt
Roots	No Roots to 26
Groundwater	No groundwater Observed
Redox	No redox Observed
Ledge	No Ledge Observed

TP 929	
Depth	Soil
0-6"	Topsoil, leaf litter
6-22"	Brown Fine Sandy Slt
22-50"	Light Brown Fine Sandy Slt, Medium Rocks
50-87"	Grey Brown Fine Sandy Slt
Roots	No Roots to 20
Groundwater	No groundwater to 86
Redox	No redox to 50
Ledge	No Ledge Observed

TP 930	
Depth	Soil
0-7"	Topsoil, Leaf Litter
7-19"	Red Brown Fine Sandy Slt, Gravel
19-40"	Light Brown Fine Sandy Slt
40-72"	Grey Brown Fine Sandy Slt
Roots	No Roots to 10
Groundwater	No groundwater Observed
Redox	No redox Observed
Ledge	No Ledge Observed

SLR
99 REALTY DRIVE
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203-271-1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
HWVC RESUBMISSION	2026-02-02	JRH
REVISIONS	2026-03-02	JRH

SOIL TESTING DATA
SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

DSR	DSR	TDR
DESIGNED	DRAWN	CHECKED

N/A
SCALE

OCTOBER 9, 2025
DATE

17307.00017
PROJECT NO.

19 OF 31
SHEET NO.

ST-2
SHEET NAME

OBSERVED & DOCUMENTED BY:
SCOTT NOLAN, P.E.
DATE: APRIL 1, 2025

PERCOLATION TEST P-CL-1A *FIRST FILL
DEPTH - 24"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	19.0"
20	21.25"
30	24.0"

PERCOLATION TEST P-CL-1A *SECOND FILL
DEPTH - 24"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
30	17.5"
40	20.25"
50	22.0"

PERCOLATION TEST P-CL-1B *FIRST FILL
DEPTH - 24"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	17.5"
20	20.75"
30	22.5"

PERCOLATION TEST P-CL-1B *SECOND FILL
DEPTH - 24"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
30	20.0"
40	22.5"

PERCOLATION TEST P-CL-3A
DEPTH - 26"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	11.0"
10	14.25"
20	16.0"
30	17.25"
40	17.75"
50	18.5"
60	19.0"

PERCOLATION TEST P-CO-20A
DEPTH - 24"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	8.25"
10	13.0"
20	16.0"
30	17.75"
40	19.0"
50	19.75"
60	20.5"

PERCOLATION TEST P-C0-20B
DEPTH - 24"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	10.0"
10	13.5"
20	16.0"
30	18.0"
40	19.5"
50	20.5"
60	21.5"

OBSERVED & DOCUMENTED BY:
SCOTT NOLAN, P.E.
DATE: APRIL 8, 2025

PERCOLATION TEST P-CL-2A
DEPTH - 24"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	15.5"
20	17.0"
30	18.5"
40	19.5"
50	20.0"
60	20.5"

PERCOLATION TEST P-CL-2B
DEPTH - 24"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	13.0"
10	17.5"
20	19.0"
30	19.5"
40	20.5"
50	21.25"
60	22.0"

PERCOLATION TEST P-CO-2A
DEPTH - 24"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	11.0"
10	13.25"
20	14.0"
30	14.75"
40	15.75"

PERCOLATION TEST P-CO-2B
DEPTH - 24"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	11.0"
10	17.0"
20	19.0"
30	21.0"
40	22.0"
50	22.75"

PERCOLATION TEST P-CO-1A
DEPTH - 24"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	10.5"
10	14.5"
20	17.0"
30	18.25"
40	19.0"
50	20.0"
60	20.75"

PERCOLATION TEST P-CO-1B
DEPTH - 24"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	18.0"
20	19.0"
30	19.75"
40	21.0"
50	22.0"
60	23.0"

PERCOLATION TEST P-CL-3B
DEPTH - 24"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	13.5"
20	15.0"
30	16.0"
40	17.0"
50	18.0"
60	19.0"

OBSERVED & DOCUMENTED BY:
SCOTT NOLAN, P.E.
DATE: APRIL 10, 2025

PERCOLATION TEST P-CL-4A
DEPTH - 25"
PERCOLATION RATE - 30.1-45.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	14.0"
20	15.0"
30	16.0"
40	16.25"
50	16.5"
60	17.0"

PERCOLATION TEST P-CL-4B
DEPTH - 23"
PERCOLATION RATE - 30.1-45.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	13.5"
20	14.0"
30	15.0"
40	16.0"
50	16.25"
60	16.5"

PERCOLATION TEST P-CL-5A
DEPTH - 24"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	11.0"
10	13.5"
20	15.0"
30	17.0"
40	17.5"
50	18.0"
60	19.0"

PERCOLATION TEST P-CL-5B
DEPTH - 24"
PERCOLATION RATE - 30.1-45.0 MIN./IN.

TIME (MIN.)	READING
0	9.5"
10	10.0"
20	10.5"
30	11.5"
40	12.5"
50	12.75"
60	13.5"

PERCOLATION TEST P-CL-6A
DEPTH - 24"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	11.5"
10	14.0"
20	16.0"
30	17.0"
40	18.0"
50	18.5"
60	19.0"

PERCOLATION TEST P-CL-6B
DEPTH - 24"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	10.0"
10	12.0"
20	13.25"
30	15.0"
40	16.5"
50	17.25"

PERCOLATION TEST P-CL-6C
DEPTH - 25"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	15.0"
20	18.25"
30	20.25"
40	21.5"
50	22.75"

OBSERVED & DOCUMENTED BY:
SCOTT NOLAN, P.E.
DATE: APRIL 15, 2025

PERCOLATION TEST P-CO-19A
DEPTH - 25"
PERCOLATION RATE - 30.1-45.0 MIN./IN.

TIME (MIN.)	READING
0	9.0"
10	13.25"
20	16.0"
30	17.0"
40	17.5"
50	18.25"
60	18.5"

PERCOLATION TEST P-CL-10A
DEPTH - 25"
PERCOLATION RATE - 30.1-45.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	13.25"
20	14.5"
30	15.5"
40	16.0"
50	16.25"
60	16.5"

PERCOLATION TEST P-CL-10B
DEPTH - 26"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	13.0"
20	13.5"
30	14.0"
40	14.5"
50	15.0"
60	15.5"

PERCOLATION TEST P-CL-11A
DEPTH - 25"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	13.0"
10	15.5"
20	18.0"
30	20.25"
40	21.75"
50	23.0"
60	24.5"

PERCOLATION TEST P-CL-11B *FIRST FILL
DEPTH - 27"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	17.5"
20	20.5"
30	22.5"

PERCOLATION TEST P-CL-11B *SECOND FILL
DEPTH - 27"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
30	14.0"
40	18.5"
50	20.75"

OBSERVED & DOCUMENTED BY:
SCOTT NOLAN, P.E.
DATE: APRIL 17, 2025

PERCOLATION TEST P-CL-12A
DEPTH - 25"
PERCOLATION RATE - 20.1-30.0 MIN./IN.

TIME (MIN.)	READING
0	11.5"
10	15.5"
20	17.0"
30	17.5"
40	18.5"
50	19.0"
60	20.0"

PERCOLATION TEST P-CL-12B
DEPTH - 24"
PERCOLATION RATE - 20.1-30.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	14.0"
20	16.0"
30	18.0"
40	19.5"
50	20.0"
60	20.75"

PERCOLATION TEST P-CL-18A
DEPTH - 26"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	15.0"
20	18.0"
30	20.0"
40	22.0"
50	23.5"
60	24.0"

PERCOLATION TEST P-CL-18B
DEPTH - 26"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	9.0"
10	13.0"
20	17.0"
30	20.0"
40	21.5"
50	23.0"
60	24.5"

PERCOLATION TEST P-CO-21A
DEPTH - 25"
PERCOLATION RATE - 20.1-30.0 MIN./IN.

TIME (MIN.)	READING
0	9.0"
10	15.5"
20	18.0"
30	19.0"
40	20.0"
50	21.0"
60	21.5"

PERCOLATION TEST P-CO-21B
DEPTH - 24"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	15.5"
20	18.5"
30	20.5"
40	22.0"
50	DRY

PERCOLATION TEST P-CL-13A
DEPTH - 25"
PERCOLATION RATE - 20.1-30.0 MIN./IN.

TIME (MIN.)	READING
0	15.5"
10	16.5"
20	17.0"
30	17.5"
40	18.0"
50	18.75"
60	19.75"

PERCOLATION TEST P-CL-13B *FIRST FILL
DEPTH - 30"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	14.0"
10	20.0"
20	24.0"
30	27.0"
40	30.0"

PERCOLATION TEST P-CL-13B *SECOND FILL
DEPTH - 30"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
40	14.5"
50	18.5"
60	22.5"

PERCOLATION TEST P-CL-14A
DEPTH - 25"
PERCOLATION RATE - 20.1-30.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	13.0"
20	13.5"
30	14.5"
40	15.0"
50	15.75"
60	16.75"

PERCOLATION TEST P-CL-14B
DEPTH - 25"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	16.0"
20	17.5"
30	18.5"
40	19.5"
50	20.5"
60	21.75"

OBSERVED & DOCUMENTED BY:
SCOTT NOLAN, P.E.
DATE: APRIL 23, 2025

PERCOLATION TEST P-CL-9A
DEPTH - 27"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	18.0"
20	20.5"
30	23.0"
40	24.0"
50	26.0"
60	DRY"

PERCOLATION TEST P-CL-9B
DEPTH - 29"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	12.5"
10	19.0"
20	23.0"
30	24.5"
40	26.0"
50	DRY

PERCOLATION TEST P-CL-8A
DEPTH - 26"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	17.0"
20	18.5"
30	19.5"
40	20.5"
50	21.0"
60	22.5"

PERCOLATION TEST P-CL-8B
DEPTH - 26"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	11.0"
10	14.0"
20	15.5"
30	17.0"
40	19.0"
50	20.0"
60	21.0"

PERCOLATION TEST P-CL-16A
DEPTH - 23"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	10.0"
10	13.0"
20	14.0"
30	15.5"
40	17.0"
50	18.0"
60	19.0"

PERCOLATION TEST P-CL-16B
DEPTH - 25"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	10.0"
10	15.0"
20	18.0"
30	19.5"
40	21.0"
50	22.0"
60	23.0"

PERCOLATION TEST P-CL-15A
DEPTH - 24"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	8.5"
10	10.0"
20	10.75"
30	11.75"
40	12.25"
50	13.0"
60	13.5"

PERCOLATION TEST P-CL-15B *FIRST FILL
DEPTH - 30"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	8.0"
10	13.0"
20	17.0"
30	20.0"

PERCOLATION TEST P-CL-15B
DEPTH - 30"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
40	5.5"
50	9.5"
60	14.5"

OBSERVED & DOCUMENTED BY:
SCOTT NOLAN, P.E.
DATE: APRIL 25, 2025

PERCOLATION TEST P-CL-17A
DEPTH - 25"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	16.0"
20	18.0"
30	19.0"
40	20.5"
50	21.5"
60	22.25"

PERCOLATION TEST P-CL-17B
DEPTH - 24"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	9.0"
10	15.0"
20	17.0"
30	19.0"
40	21.0"
50	22.0"
60	DRY

PERCOLATION TEST P-CL-18A
DEPTH - 25"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	12.5"
10	14.0"
20	15.5"
30	17.0"
40	18.0"
50	19.0"
60	19.5"

PERCOLATION TEST P-CL-18B
DEPTH - 24.5"
PERCOLATION RATE - 30.1-45.0 MIN./IN.

TIME (MIN.)	READING
0	9.5"
10	11.0"
20	11.5"
30	12.0"
40	12.5"
50	13.0"
60	13.25"

PERCOLATION TEST P-CL-20A
DEPTH - 26.5"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	9.5"
10	14.0"
20	17.0"
30	19.5"
40	21.5"
50	22.5"
60	23.5"

PERCOLATION TEST P-CL-20B
DEPTH - 29"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	13.5"
10	16.0"
20	17.75"
30	18.75"
40	20.0"
50	21.0"
60	22.0"

PERCOLATION TEST P-CL-19A
DEPTH - 29"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	6.5"
10	11.5"
20	14.5"
30	16.5"
40	18.5"
50	20.0"
60	21.5"

PERCOLATION TEST P-CL-19B
DEPTH - 29"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	7.0"
10	11.5"
20	14.25"
30	16.25"
40	17.5"
50	18.5"
60	19.25"

OBSERVED & DOCUMENTED BY:
SCOTT NOLAN, P.E.
DATE: APRIL 29, 2025

PERCOLATION TEST P-CL-7A
DEPTH - 24"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	9.0"
10	10.0"
20	11.0"
30	11.75"
40	12.25"
50	13.0"
60	13.5"

PERCOLATION TEST P-CL-7B
DEPTH - 24"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	7.0"
10	9.0"
20	10.25"
30	11.5"
40	12.5"
50	13.25"
60	14.0"

PERCOLATION TEST P-CL-22A
DEPTH - 24"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	10.0"
10	14.0"
20	16.0"
30	18.0"
40	20.0"
50	21.5"
60	DRY

PERCOLATION TEST P-CL-22B
DEPTH - 30.5"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	16.5"
10	18.5"
20	21.5"
30	23.0"
40	24.0"
50	26.0"
60	27.25"

PERCOLATION TEST P-CL-23A
DEPTH - 24"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	10.5"
10	14.0"
20	15.0"
30	16.25"
40	17.0"
50	18.0"
60	19.0"

PERCOLATION TEST P-CL-23B
DEPTH - 22.5"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	9.5"
10	13.5"
20	16.0"
30	18.0"
40	19.0"
50	DRY

PERCOLATION TEST P-CL-21A
DEPTH - 21"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	6.0"
10	8.5"
20	10.0"
30	12.0"
40	13.0"
50	14.0"
60	15.0"

PERCOLATION TEST P-CL-21B
DEPTH - 22"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	7.0"
10	11.5"
20	13.5"
30	15.0"
40	16.25"
50	17.0"
60	18.0"

PERCOLATION TEST P-CO-5A
DEPTH - 23"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	9.0"
10	12.0"
20	13.5"
30	15.5"
40	16.75"
50	17.75"
60	18.50"

PERCOLATION TEST P-CO-5B
DEPTH - 23"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	9.5"
10	12.0"
20	14.0"
30	15.5"
40	17.0"
50	18.0"
60	19.0"

PERCOLATION TEST P-CL-24A
DEPTH - 26"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	10.0"
10	16.0"
20	17.75"
30	18.75"
40	19.75"
50	DRY

PERCOLATION TEST P-CL-24B
DEPTH - 26"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	9.5"
10	10.75"
20	11.75"
30	12.75"
40	13.75"
50	14.75"
60	16.0"

PERCOLATION TEST P-CO-8A
DEPTH - 24"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	8.5"
10	9.5"
20	10.5"
30	11.0"
40	11.5"
50	12.0"
60	12.5"

OBSERVED & DOCUMENTED BY:
SCOTT NOLAN, P.E.
DATE: MAY 1, 2025

PERCOLATION TEST P-CO-7A
DEPTH - 23"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	10.0"
10	13.0"
20	14.25"
30	15.75"
40	17.0"
50	18.0"
60	19.0"

PERCOLATION TEST P-CO-7B
DEPTH - 23"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	11.5"
10	12.25"
20	13.0"
30	14.0"
40	14.75"
50	15.5"
60	16.25"

PERCOLATION TEST P-CO-6A
DEPTH - 24"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	12.0"
10	16.0"
20	20.0"
30	21.75"
40	22.75"
50	DRY

PERCOLATION TEST P-CO-6B
DEPTH - 22.5"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	10.25"
10	11.0"
20	12.0"
30	13.5"
40	14.0"
50	14.5"
60	15.25"

PERCOLATION TEST P-CO-8C / P-CL-24C
DEPTH - 25.5"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	10.0"
10	11.75"
20	12.75"
30	13.25"
40	14.0"
50	14.5"
60	15.25"

PERCOLATION TEST P-CL-26A
DEPTH - 21"
PERCOLATION RATE - 10.1-20.0 MIN./IN.

TIME (MIN.)	READING
0	6.5"
10	9.0"
20	10.0"
30	11.0"
40	12.5"
50	13.5"
60	14.25"

PERCOLATION TEST P-CL-26B
DEPTH - 28"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	14.0"
10	17.0"
20	18.75"
30	17.75"
40	20.75"
50	21.75"
60	22.75"

PERCOLATION TEST P-CL-25A
DEPTH - 27"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	11.0"
10	13.5"
20	16.0"
30	17.5"
40	18.75"
50	20.0"
60	DRY

PERCOLATION TEST P-CL-25B
DEPTH - 29"
PERCOLATION RATE - 1.1-10.0 MIN./IN.

TIME (MIN.)	READING
0	16.5"
10	19.0"
20	21.0"
30	22.0"
40	23.75"
50	25.0"
60	DRY

IN-SITU DOUBLE RING INFILTROMETER TEST RESULTS - 8/22/2025

SAMPLE	TEST NO.	DEPTH	WATER LEVEL DROP (INCHES)	ELAPSED TIME (HOURS)	OBSERVED INFILTRATION RATE (INCHES/HOUR)
INF-1	1	12"	3"	00:20	9.0
INF-1	1	12"	3.5	00:30	7.0
INF-1	2	12"	2"	00:15	8.0
INF-1	2	12"	2.75	00:30	5.5

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
HWVC RESUBMISSION	2026-02-02	JRH
REVISIONS	2026-03-02	JRH

SOIL TESTING DATA
SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

DSR	DSR	TDR
DESIGNED	DRAWN	CHECKED

N/A
SCALE

OCTOBER 9, 2025
DATE

17307.00017
PROJECT NO.

20 OF 31
SHEET NO.

ST-3
SHEET NAME

SEPTIC DESIGN PER LOT

NOTE:

1. ALL LOTS WITH A "*" ARE INDICATIVE OF LOTS THAT UTILIZED AT LEAST ONE OF THE TEST PITS AND/OR PERCOLATION TEST CONDUCTED IN THE HISTORICAL SOIL TESTING FROM 2008-2011 (SEE ATTACHED REPORT ENTITLED "SADDLE RIDGE ALL HISTORICAL SOIL TESTING FROM 2008-2011: PERCOLATION TESTING RESULTS WITH CORRESPONDING TEST PIT LOCATIONS" PREPARED BY SLR, DATED MAY 27, 2025) FOR THE SEPTIC DESIGN FEASIBILITY OF THE CLUSTER SUBDIVISION DUE TO USING THE MOST CONSERVATIVE RESTRICTIVE LAYERS TO-DATE.

2. FINAL DESIGN OF THE SEPTIC LEACHING SYSTEMS FOR LOTS 4, 5, 8, 10, AND 18 REQUIRES THESE SYSTEMS TO BE INSTALLED ABOVE GRADE WITHIN SELECT FILL MATERIAL WITH THE BOTTOMS OF LEACHING ROWS A MINIMUM OF 24" ABOVE MAXIMUM GROUNDWATER TO MEET MLSS DESIGN REQUIREMENTS.

Design Criteria	* LOT 1 *	* LOT 2 *	* LOT 3 *	* LOT 4 *	* LOT 5 *	LOT 6	* LOT 7 *	* LOT 8 *	* LOT 9 *	* LOT 10 *	* LOT 11 *	* LOT 12 *	* LOT 13 *
Bedroom Count	4	4	4	4	4	4	4	4	4	4	4	4	4
Septic Tank Size (Gallons)	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250
Testpit(s) Used for Design	531, 530, 516, 517	508, CL-1-2, CL-1-4, CL-1-5, CL-1-1	CL-2-1, CL-2-2, CL-2-3, CL-2-4	26, 310, 311, CL-3-1, CL-3-2, CL-3-3	6, 320, 321, 322, CL-4-1, CL-4-2, CL-4-3	11, CL-5-1, CL-5-2, CL-5-3	41, 71, 610, 611, 612, CL-6-1, CL-6-2, CL-6-3	705, 706, 728, CL-7-1, CL-7-2, CL-7-3	67, 707, CL-8-1, CL-8-2, CL-8-3	87, 88, 801, 802, 803, CL-9-1, CL-9-2, CL-9-3	39, 603, 604, CL-10-1, CL-10-2, CL-10-3	12, 38, 616, 617, 618, CL-11-1, CL-11-2, CL-11-3	818, CL-13-1, CL-13-2, CL-13-3
Percolation Tests in or near System		510, P-CL-1A, P-CL-1B	314, 317, P-CL-2A, P-CL-2B	311, P-CL-3A, P-CL-3B	320, 322, P-CL-4A, P-CL-4B	11, P-CL-5A, P-CL-5B	41, 71, P-CL-6A, P-CL-6B, P-CL-6C	705, P-CL-7A, P-CL-7B	67, P-CL-8A, P-CL-8B	801, P-CL-9A, P-CL-9B	39, 603, P-CL-10A, P-CL-10B	38, P-CL-11A, P-CL-11B	817, 820, P-CL-13A, P-CL-13B
Primary Percolation Rate (Min/inch)	**10.1-20.0**	5.1-10.0 (P-CL-1A, P-CL-1B), **10.1-20.0** (510)	**10.1-20.0** (317, P-CL-2A, P-CL-2B)	5.1-10.0 (311, P-CL-3B), **10.1-20.0** (P-CL-3A)	10.1-20.0 (320), **30.1-45** (P-CL-4A, P-CL-4B)	10.1-20.0 (11, P-CL-5A), **30.1-45** (P-CL-5B)	5.1-10.0 (41, 71), **10.1-20.0** (P-CL-6A, P-CL-6B, P-CL-6C)	**10.1-20.0** (705, P-CL-7A, P-CL-7B)	10.1-20.0 (67, P-CL-8A), **30.1-45** (P-CL-8B)	5.1-10.0 (P-CL-9A, P-CL-9B), **10.1-20.0** (801)	5.1-10.0 (39, 603), 10.1-20.0 (P-CL-10B), **30.1-45** (P-CL-10A)	**5.1-10.0** (38, P-CL-11A, P-CL-11B)	5.1-10.0 (817, P-CL-13B), 10.1-20.0 (820), **20.1-30.0** (P-CL-13A)
Required Effective Area (sq. ft.)	787.5	787.5	787.5	787.5	1050	1050	787.5	787.5	1050	787.5	1050	577.5	875
Restrictive Layer (in)	67, 40	67, 24, 28, 25, 28	28, 24, 35, 29	24, 33, 54, 36, 24, 32	40, 36, 36, 42, 39, 41, 43	80, 37, 72	30, 33, 33, 32	72, 64, 38, 29, 30, 33	27, 72, 30, 30, 30	38, 29, 50, 29, 26, 33, 32, 32, 29, 33	30, 30, 30, 37, 35, 37	32, 36, 37, 56, 35, 26, 34	30, 44, 26
Receiving Soil Depth (inch) [Average of least/shallowest two measurements]	57.5	24.5	26.0	24.0	36.0	54.5	31.0	29.5	28.5	27.5	30.0	29.0	28.0
Slope (%)	17.50%	21.20%	6.32%	10.91%	5.13%	3.95%	5.33%	6.35%	5.59%	3.45%	7.41%	4.61%	10.52%
Hydraulic Factor (HF)	10	24	30	26	28	22	28	28	30	34	28	30	24
Flow Factor (FF)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
Primary Percolation Factor (PF)	1.25	1.25	1.25	1.25	2.00	2.00	1.25	1.25	2.00	1.25	2.00	1.00	1.50
MLSS (ft.)	21.88	52.5	65.63	56.88	98.00	77.00	61.25	61.25	105.00	74.38	98.00	52.50	63.00
Primary System Type	12" C.G. w/ TLDP	12" C.G. w/ TLDP	12" C.G. w/ TLDP	12" C.G. w/ TLDP	Eljen YF50	Eljen YF50	12" C.G. w/ TLDP	12" C.G. w/ TLDP	Eljen YF50	12" C.G.	Eljen YF50	12" C.G.	12" C.G. w/ TLDP
Effective Leaching (SF/LF)	6.5	6.5	6.5	6.5	10.0	10.0	6.5	6.5	10.0	5.9	10.0	5.9	6.5
Length Used (ft.)	128	128	128	128	105	105	128	128	105	160	105	112	144
Effective Leaching Area Provided (SF)	832	832	832	832	1050	1050	832	832	1050	944	1050	660.8	936
Center to Center Spacing (ft.)	12	12	12	12	N/A (12)	N/A (12)	12	12	N/A (12)	12	N/A (12)	12	12
Reserve Percolation Factor (PF)	1.25	1.25	1.25	1.25	2.00	2.00	1.25	1.25	2.00	1.25	2.00	1.00	1.50
Reserve Required Effective Area (sq. ft.)	787.5	787.5	787.5	787.5	1050	1050	787.5	787.5	1050	787.5	1050	577.5	875
Reserve System Type	12" C.G. w/ TLDP	12" C.G. w/ TLDP	12" C.G. w/ TLDP	12" C.G. w/ TLDP	Eljen YF50	Eljen YF50	12" C.G. w/ TLDP	12" C.G. w/ TLDP	Eljen YF50	Eljen YF50	Eljen YF50	12" C.G.	12" C.G. w/ TLDP
Effective Leaching (SF/LF)	6.5	6.5	6.5	6.5	10	10	6.5	6.5	10	10	10	5.9	6.5
Length Used (ft.)	128	128	128	128	105	105	128	128	105	80	105	112	144
Effective Leaching Area Provided (SF)	832	832	832	832	1050	1050	832	832	1050	800	1050	660.8	936
Center to Center Spacing (ft.)	12	12	12	12	N/A (12)	N/A (12)	12	12	N/A (12)	N/A (12)	N/A (12)	12	12
C.G. = Concrete Gallery	YES	YES	YES	YES	NO	NO	YES	YES	NO	YES	NO	YES	YES
***Top Distribution Pipe**	YES	YES	YES	YES	NO	NO	YES	YES	NO	NO	NO	NO	YES

Design Criteria	* LOT 14 *	* LOT 15 *	LOT 16	* LOT 17 *	* LOT 18 *	* LOT 19 *	* LOT 20 *	* LOT 21 *	* LOT 22 *	* LOT 23 *	* LOT 24 *
Bedroom Count	4	4	4	4	4	4	4	4	4	4	4
Septic Tank Size (Gallons)	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250
Testpit(s) Used for Design	921, 922, CL-16-1, CL-16-2, CL-16-3, CL-16-4	51, 915, CL-17-1, CL-17-2, CL-17-3	60, 914, 926, CL-18-1, CL-18-2, CL-18-3	908, 909, 923, CL-19-1, CL-19-2, CL-19-3	53, 84, CL-20-1, CL-20-2, CL-20-3, CL-20-4	2, 56, 221, 222, 223, 224, CL-21-1, CL-21-2, CL-21-3	725, 726, CL-22-1, CL-22-2, CL-22-3	214, 215, 216, 229, CL-23-1, CL-23-2, CL-23-3	76, 201, 202, 203, CL-24-1, CL-24-2, CL-24-4	69, 101, 102, 103, CL-25-1, CL-25-2, CL-25-3	68, 104, 105, 106, CL-26-1, CL-26-2, CL-26-3
Percolation Tests in or near System	921, P-CL-16A, P-CL-16B	915, P-CL-17A, P-CL-17B	60, P-CL-18A, P-CL-18B	909, P-CL-19A, P-CL-19B	903, P-CL-20A, P-CL-20B	222, P-CL-21A, P-CL-21B	725, P-CL-22A, P-CL-22B	216, P-CL-23A, P-CL-23B	202, P-CL-24A, P-CL-24B, P-CL-24C	69, 103, P-CL-25A, P-CL-25B	106, P-CL-26A, P-CL-26B
Primary Percolation Rate (Min/inch)	**5.1-10.0** (921, P-CL-16A, P-CL-16B)	5.1-10.0 (P-CL-17B), **10.1-20.0** (915, P-CL-17A)	10.1-20.0 (60, P-CL-18A), **30.1-45.0** (P-CL-18B)	5.1-10.0 (909, P-CL-19A), **10.1-20.0** (P-CL-19B)	5.1-10.0 (P-CL-20A, P-CL-20B), **10.1-20.0** (903)	5.1-10.0 (P-CL-21A, P-CL-21B), **10.1-20.0** (222)	**5.1-10.0** (725, P-CL-22A, P-CL-22B)	5.1-10.0 (P-CL-23A, P-CL-23B), **10.1-20.0** (216)	5.1-10.0 (202,P-CL-24A, P-CL-24B), **10.1-20.0** (P-CL-24C)	**5.1-10.0** (69, P-CL-25A, P-CL-25B)	5.1-10.0 (P-CL-26B), **10.1-20.0** (106, P-CL-26A)
Required Effective Area (sq. ft.)	577.5	787.5	1050	787.5	787.5	787.5	577.5	787.5	787.5	577.5	787.5
Restrictive Layer (in)	48, 48, 25, 33, 28, 29	28, 30, 27, 31	92, 48, 44, 39, 36, 45	30, 44, 44, 24, 44, 40	36, 67, 44, 80	62, 60, 65, 30, 34	34, 33, 28	24, 28, 36, 28, 30, 35	34, 27, 28, 28, 35, 35, 69	38, 32, 27, 38, 36	29, 34, 28, 31, 31, 37
Receiving Soil Depth (inch) [Average of least/shallowest two measurements]	26.5	27.5	37.5	27.0	40.0	32.0	30.5	28.0	27.5	29.5	28.5
Slope (%)	17.39%	16.94%	13.95%	23.52%	18.66%	8.22%	9.23%	7.56%	5.50%	12.77%	10.91%
Hydraulic Factor (HF)	20	20	18	20	16	24	24	28	30	24	24
Flow Factor (FF)	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75	1.75
Primary Percolation Factor (PF)	1.00	1.25	2.00	1.25	1.25	1.25	1.00	1.25	1.25	1.00	1.25
MLSS (ft.)	35.00	43.75	63.00	43.75	35.00	52.50	42.00	61.25	65.63	42.00	52.50
Primary System Type	12" C.G. w/ TLDP	12" C.G. w/ TLDP	Eljen YF50	12" C.G. w/ TLDP	12" C.G. w/ TLDP	12" C.G. w/ TLDP	12" C.G. w/ TLDP	12" C.G. w/ TLDP	12" C.G. w/ TLDP	12" C.G. w/ TLDP	12" C.G. w/ TLDP
Effective Leaching (SF/LF)	6.5	6.5	10.0	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Length Used (ft.)	96	128	105	128	128	128	96	128	144	96	128
Effective Leaching Area Provided (SF)	624	832	1050	832	832	832	624	832	936	624	832
Center to Center Spacing (ft.)	12	12	N/A (12)	12	12	12	12	12	12	12	12
Reserve Percolation Factor (PF)	1.00	1.25	2.00	1.25	1.25	1.25	1.00	1.25	1.25	1.00	1.25
Reserve Required Effective Area (sq. ft.)	577.5	787.5	1050	787.5	787.5	787.5	577.5	787.5	787.5	577.5	787.5
Reserve System Type	12" C.G. w/ TLDP	12" C.G. w/ TLDP	Eljen YF50	12" C.G. w/ TLDP	12" C.G. w/ TLDP	12" C.G. w/ TLDP	12" C.G. w/ TLDP	12" C.G. w/ TLDP	12" C.G. w/ TLDP	12" C.G. w/ TLDP	12" C.G. w/ TLDP
Effective Leaching (SF/LF)	6.5	6.5	10	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
Length Used (ft.)	96	128	105	128	128	128	96	128	128	96	128
Effective Leaching Area Provided (SF)	624	832	1050	832	832	832	624	832	832	624	832
Center to Center Spacing (ft.)	12	12	N/A (12)	12	12	12	12	12	12	12	12
C.G. = Concrete Gallery	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES
***Top Distribution Pipe**	YES	YES	NO	YES	YES	YES	YES	YES	YES	YES	YES

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
PZC REVISIONS	2025-10-15	JRH
ASPETUCK HD COMMENTS	2025-12-09	DSR
IWWC RESUBMISSION	2026-02-02	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-18	JRH

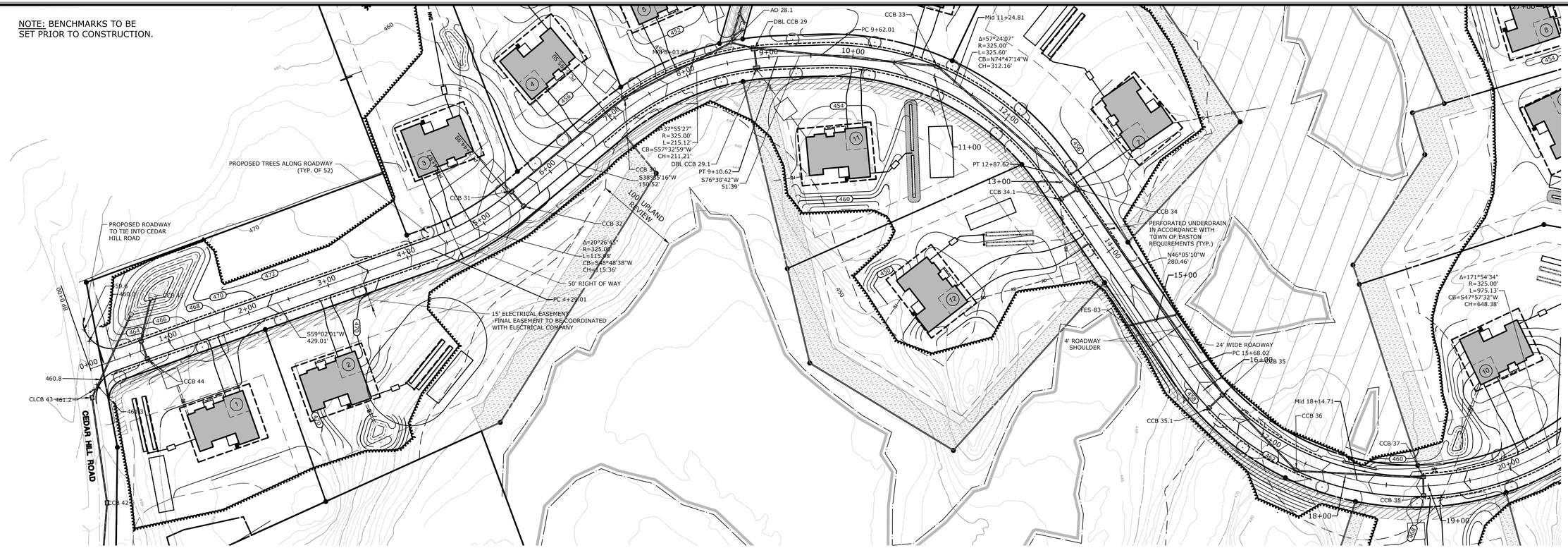
SEPTIC SYSTEM DESIGN
SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

STN	DSR	TDR
DESIGNED	DRAWN	CHECKED

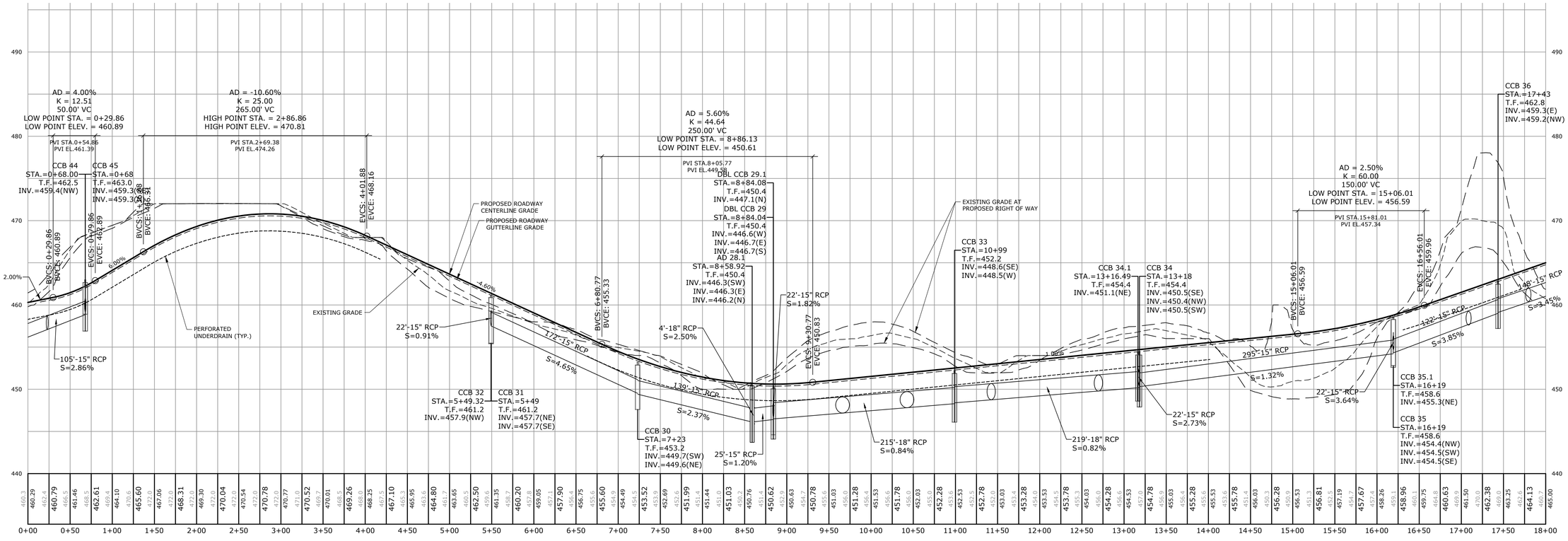
SCALE: N/A
DATE: OCTOBER 9, 2025
PROJECT NO.: 17307.00017
SHEET NO.: 21 OF 31
SHEET NAME: SP

Plotted: 5/18/2026 2:30:37 PM By: JHOWARD
File: C:\Users\JHOWARD\SLR\Saddle Ridge - Documents\Drawings\Site Plans\Septic Design\Septic Design.dwg

NOTE: BENCHMARKS TO BE
SET PRIOR TO CONSTRUCTION.



PLAN VIEW
1"=60'



PROFILE VIEW
1"=60'H 1"=6'V

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
PZC REVISIONS	2025-10-15	JRH
IWWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-18	JRH
REVISIONS	2026-08-18	DSR

ROADWAY PLAN & PROFILE

SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
DSR	DSR	DLO

SCALE: 1" = 60'

DATE: OCTOBER 9, 2025

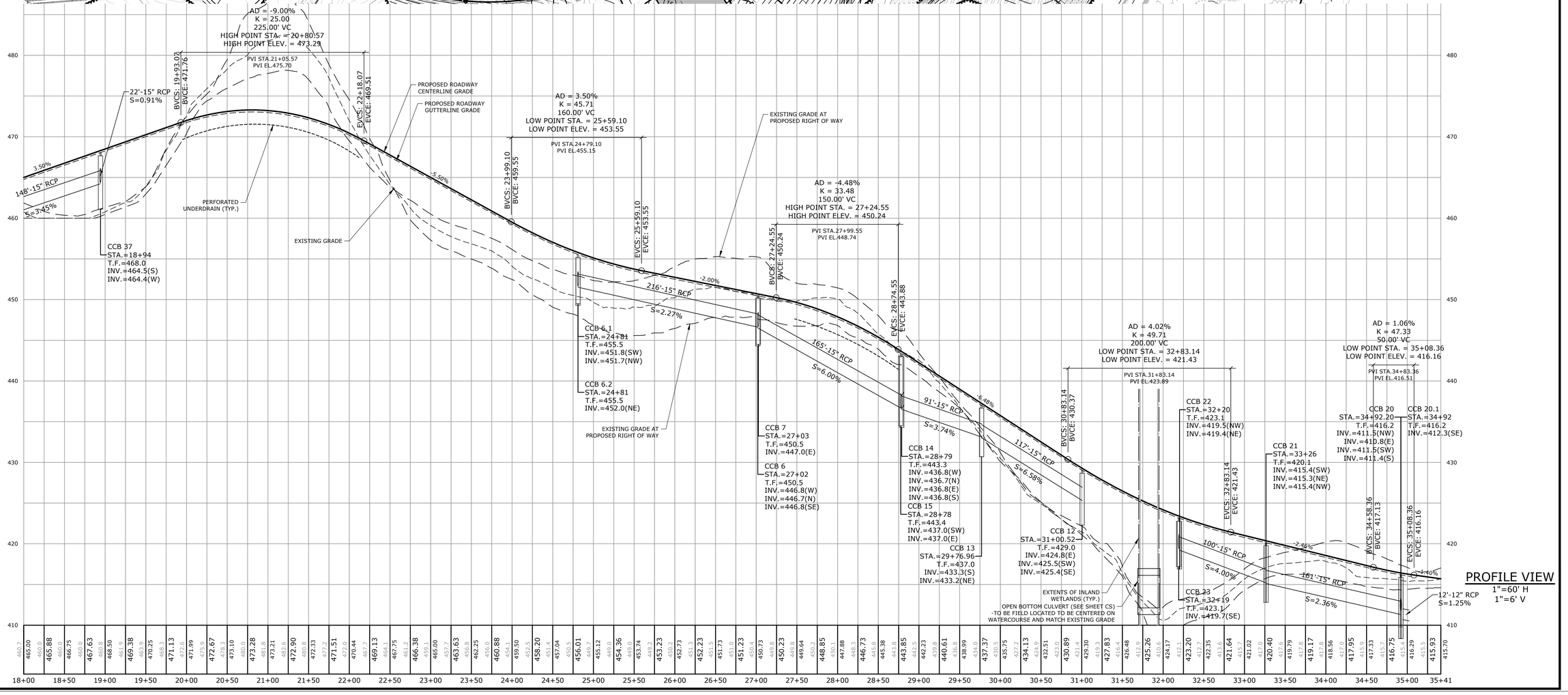
PROJECT NO.: 17307.00017

SHEET NO.: 22 OF 31

SHEET NAME: PR-1

NOTE: BENCHMARKS TO BE SET PRIOR TO CONSTRUCTION.

PLAN VIEW
1"=60'



PROFILE VIEW
1"=60' H
1"=6' V

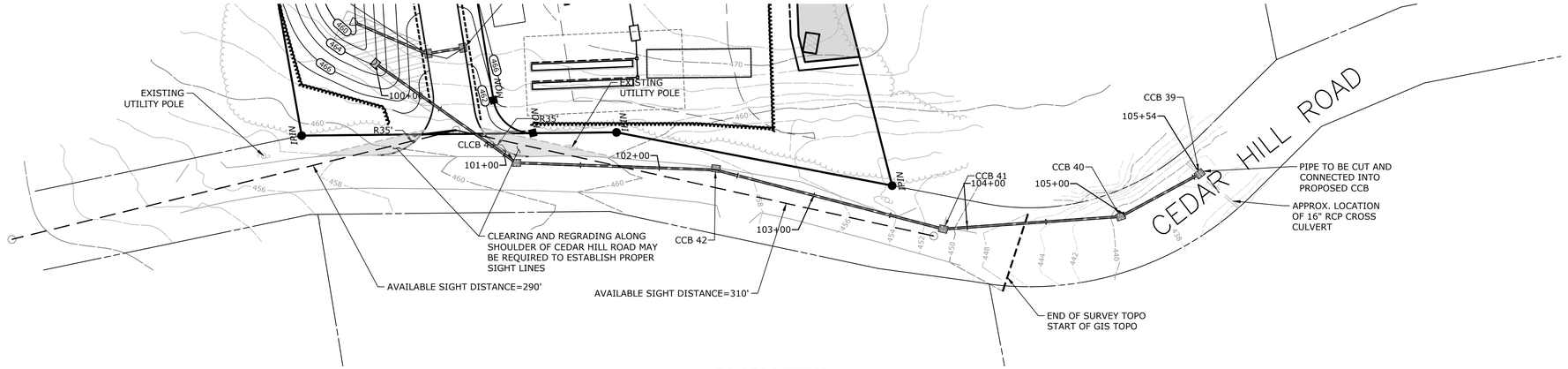
SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
PZC REVISIONS	2025-10-15	JRH
IWWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-18	JRH
REVISIONS	2026-08-18	DSR

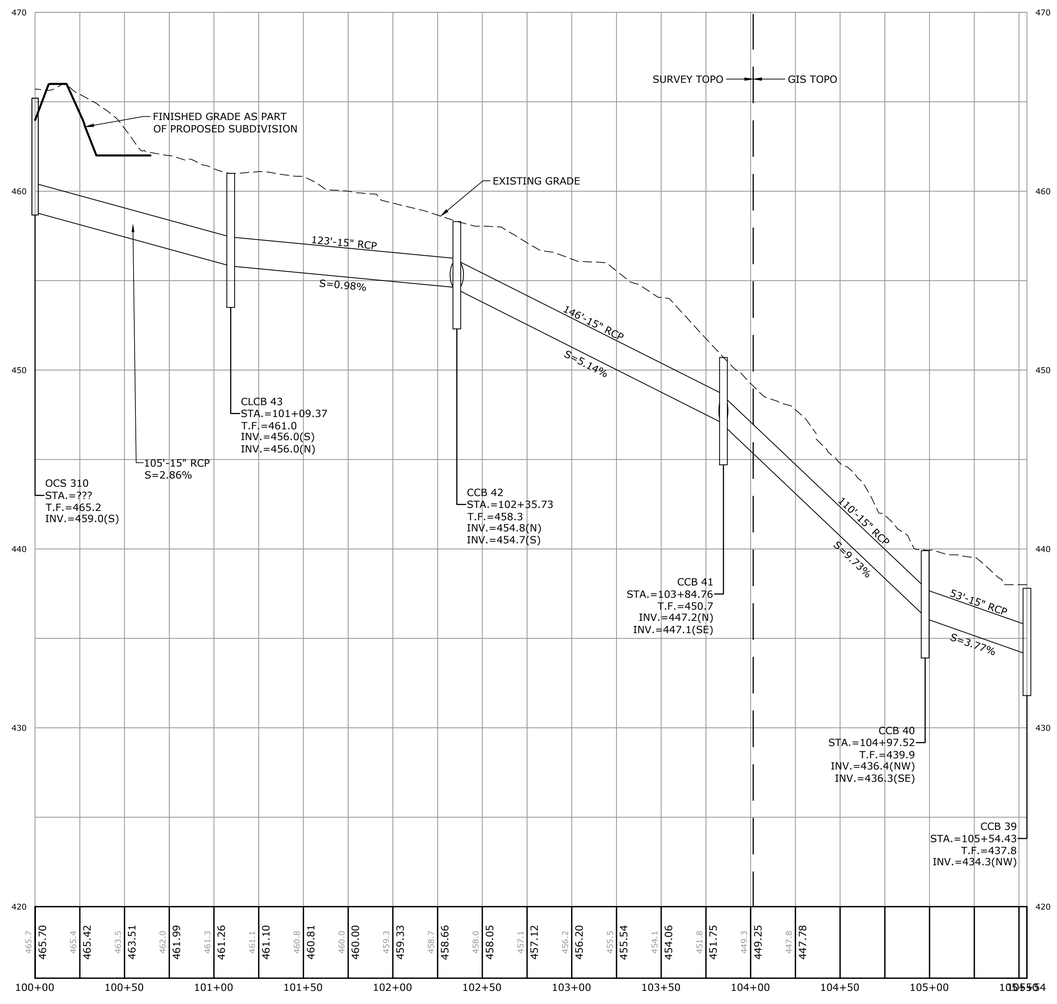
ROADWAY PLAN & PROFILE
SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
DSR	DSR	DLO

SCALE: 1" = 60'
DATE: OCTOBER 9, 2025
PROJECT NO.: 17307.00017
SHEET NO.: 23 OF 31
SHEET NAME: PR-2



PLAN VIEW
SCALE: 1"=40



PROFILE VIEW
SCALE: 1"=40H 1"=4'V

ROADWAY CONSTRUCTION NOTES

1. UPON COMPLETION OF ROAD, AN "AS-BUILT" IS TO BE SUBMITTED TO THE TOWN OF EASTON.
2. BENCHMARKS SHALL BE SET EVERY 300 FEET AND ADJACENT TO RIGHT-OF-WAY PRIOR TO START OF CONSTRUCTION.
3. ALL SITE AND ROADWAY CONSTRUCTION SHALL CONFORM TO THE TOWN OF EASTON STANDARDS. IN ABSENCE OF APPLICABLE TOWN OF EASTON STANDARDS, COMPLY WITH THE STATE OF CONNECTICUT D.O.T. FORM 819 AS AMENDED.
4. ALL DRAINAGE EASEMENTS TO BE STABILIZED WITH 4" MINIMUM TOPSOIL, SEED AND MULCH.
5. ALL REINFORCED CONCRETE PIPE TO BE CLASS IV, OR SPECIFIED OTHERWISE.
6. ALL CATCH BASINS SHALL HAVE STATE TYPE "C" CATCH BASINS WITH BLC PRECAST TOPS AND 507K-A GALVANIZED GRATES.
7. CONSTRUCTION STAKES ARE TO BE MAINTAINED THROUGHOUT CONSTRUCTION PROCESS.
8. ALL UTILITY SERVICES TO BE INSTALLED PRIOR TO SUB BASE INSTALLATION.
9. EACH DRIVEWAY SHALL HAVE A MINIMUM OF 235' SIGHT DISTANCE.

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
REVISIONS	2026-02-02	JRH
REVISIONS	2026-03-17	DSR
LOT REDUCTION REVISIONS	2026-05-18	JRH
REVISIONS	2026-08-16	JRH

ROADWAY PLAN & PROFILE - CEDAR HILL ROAD

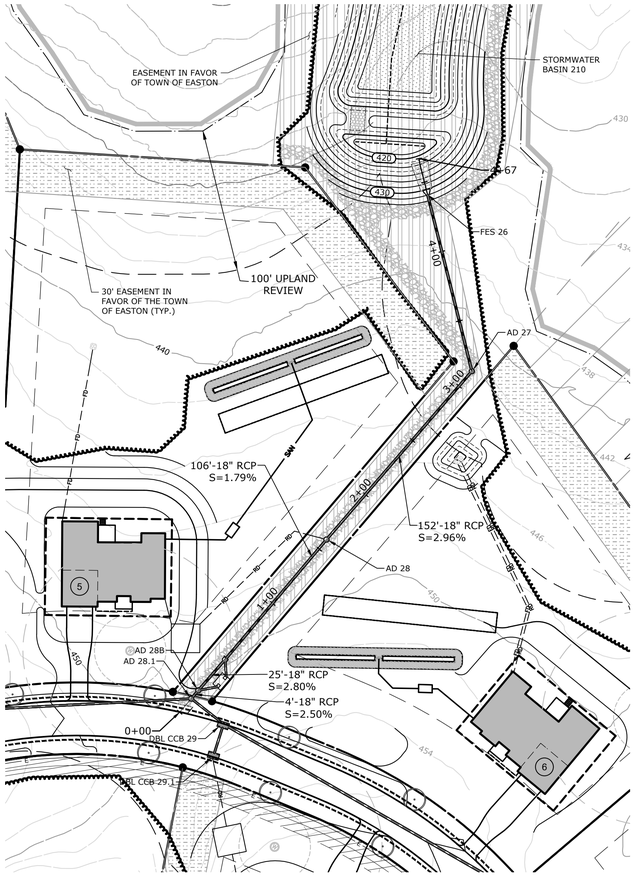
SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

JRH	JRH	DLO
DESIGNED	DRAWN	CHECKED

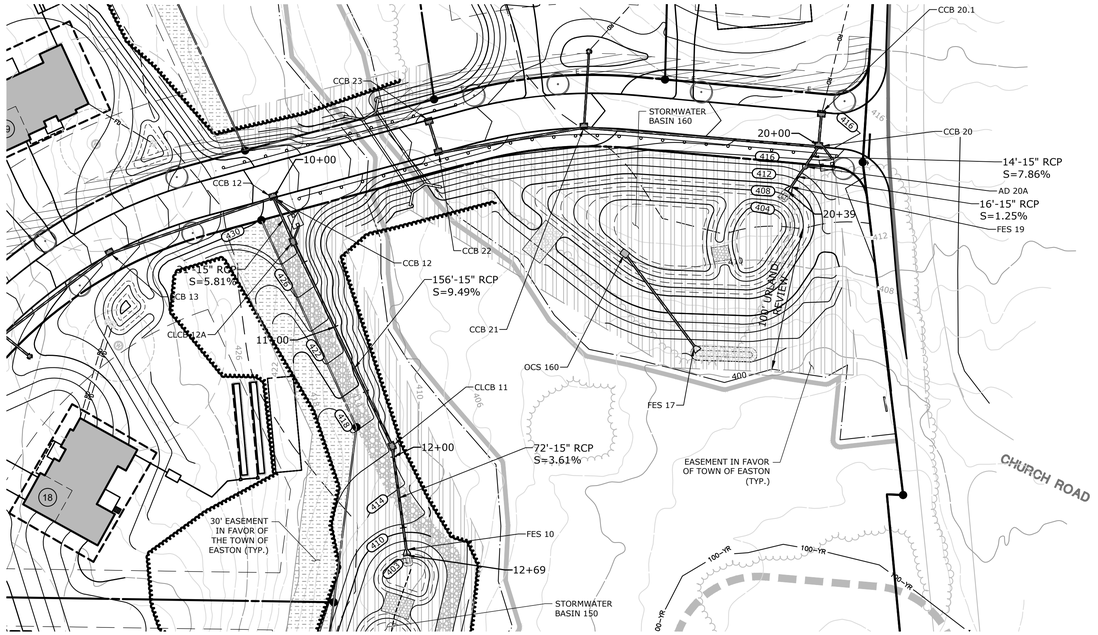
SCALE: AS NOTED
DATE: OCTOBER 9, 2025
PROJECT NO.: 17307.00017
SHEET NO.: 24 OF 31

SHEET NAME: PR-3

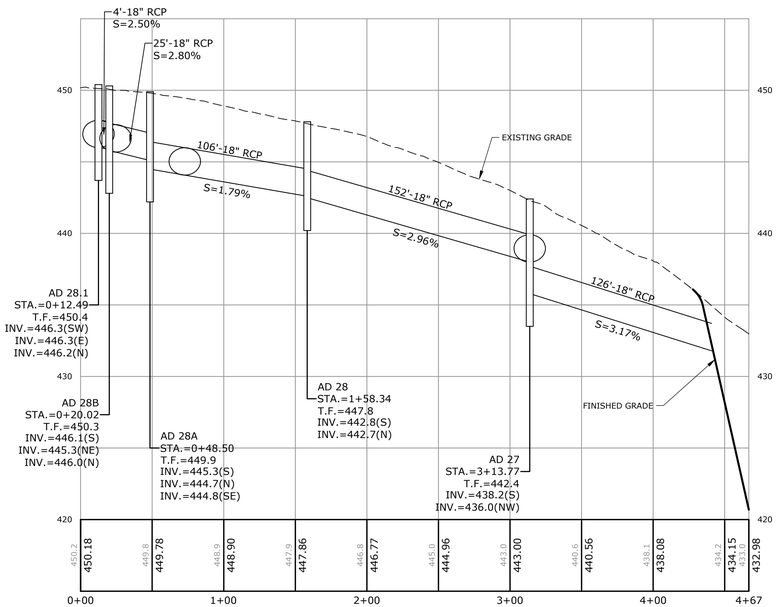
NOTE: BENCHMARKS TO BE SET PRIOR TO CONSTRUCTION.



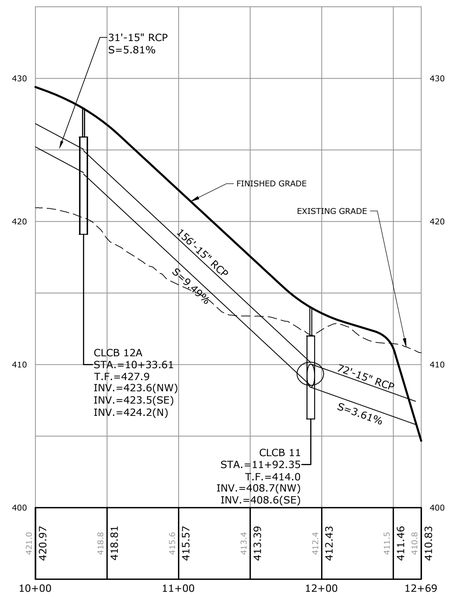
DRAINAGE TO BASIN 210
PLAN VIEW
1"=50'



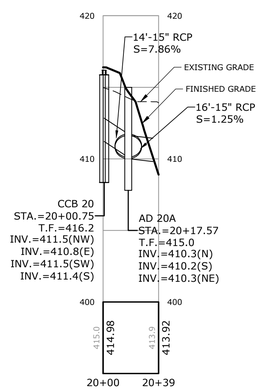
DRAINAGE TO BASIN 150 & 160
PLAN VIEW
1"=50'



DRAINAGE TO BASIN 210
PROFILE VIEW
1"=50'H 1"=5'V



DRAINAGE TO BASIN 150
PROFILE VIEW
1"=50'H 1"=5'V



DRAINAGE TO BASIN 160
PROFILE VIEW
1"=50'H 1"=5'V

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
PZC RESUBMISSION	2026-10-15	JRH
WWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-18	JRH
REVISIONS	2026-08-18	DSR

DRAINAGE PLAN AND PROFILE

SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS

SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
DSR	DSR	DLO

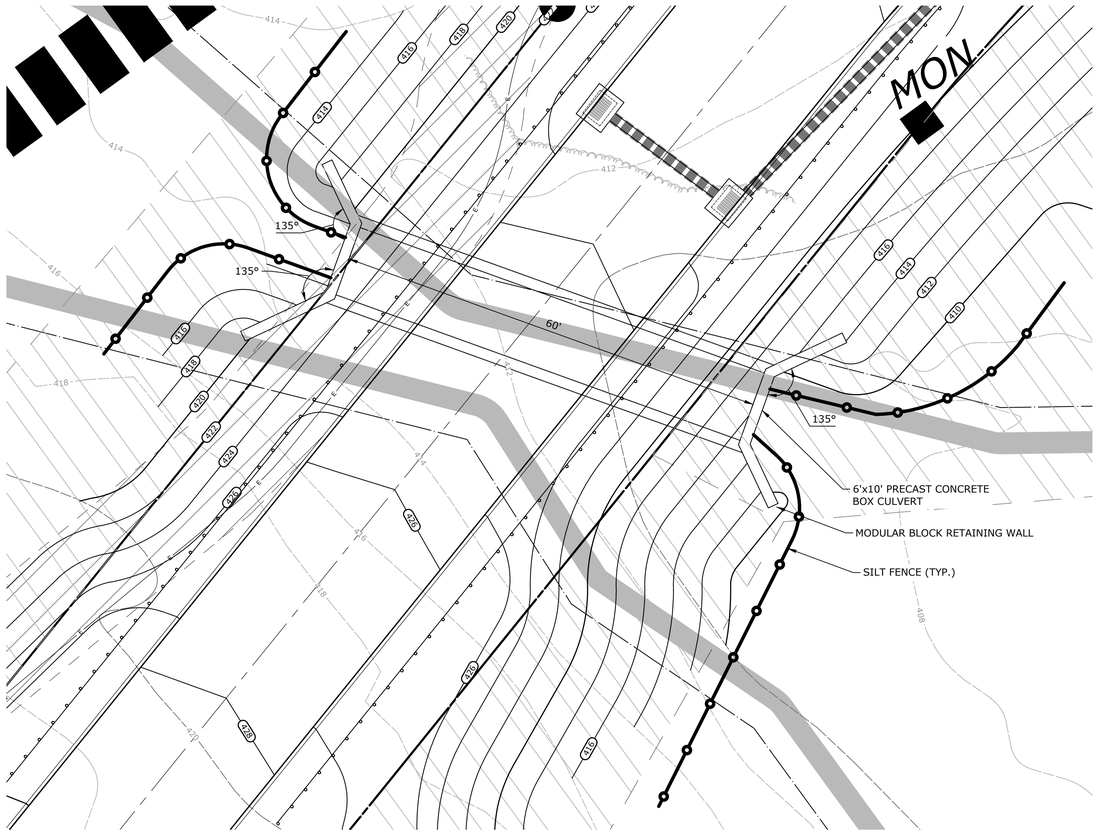
SCALE: AS NOTED

DATE: OCTOBER 9, 2025

PROJECT NO.: 17307.00017

SHEET NO.: 25 OF 31

SHEET NAME: PR-4



NOTE: BOX CULVERT TO BE FIELD LOCATED TO BE CENTERED ON WATERCOURSE AND MATCH EXISTING GRADE ON BOTH ENDS. BOX CULVERT BOTTOM TO BE BURIED ONE FOOT BELOW NATURAL STREAM CHANNEL GRADE AND NATURAL STREAM CHANNEL BEDDING MATERIAL IS TO BE PLACED IN THE BOTTOM OF THE CULVER TO RECREATE THE NATURAL STREAM CHANNEL.

PLAN VIEW

SCALE:1"=10'

MODULAR BLOCK RETAINING WALL NOTES

1. RETAINING WALL BLOCKS SHALL BE BY:

   REDI-ROCK Walls of New England
   Carroll Concrete Co.
   8 Reeds Mill Road
   P.O. BOX 1000
   Newport, NH 03773-1000
   (617) 620-1667

2. LEVELING PAD SHALL CONSIST OF WELL GRADED ROAD BASE AGGREGATE, ¾" CRUSHED, ANGULAR GRAVEL WITH SOME FINES. CONTRACTOR MAY OPT FOR A LEAN CONCRETE LEVELING PAD. PAD SHALL BE UNREINFORCED LEAN CONCRETE, 200-300 PSI, 3" THICK MAXIMUM. DRAINAGE AGGREGATE SHALL CONSIST OF CLEAN ANGULAR GRAVEL, ¾" DIAMETER WITH LESS THAN 5% FINES.

3. DRAINAGE PIPE SHALL BE PERFORATED HDPE PIPE. REINFORCED BACKFILL SHALL BE FREE OF DEBRIS, ORGANIC SOIL, AND EXPANSIVE SOILS. FOR UNITS TO BE EMBEDDED, COMPACT FILL IN FRONT OF UNITS AT THE SAME TIME FILL BEHIND UNITS IS COMPACTED.

4. COMPACTION SHALL BE 95% OF MAXIMUM STANDARD PROCTOR DENSITY (ASTM D-698). COMPACTION TESTS SHALL BE TAKEN AS THE WALL IS INSTALLED. THE MINIMUM NUMBER OF TESTS SHALL BE DETERMINED BY THE CONTRACTOR'S DESIGN ENGINEER.

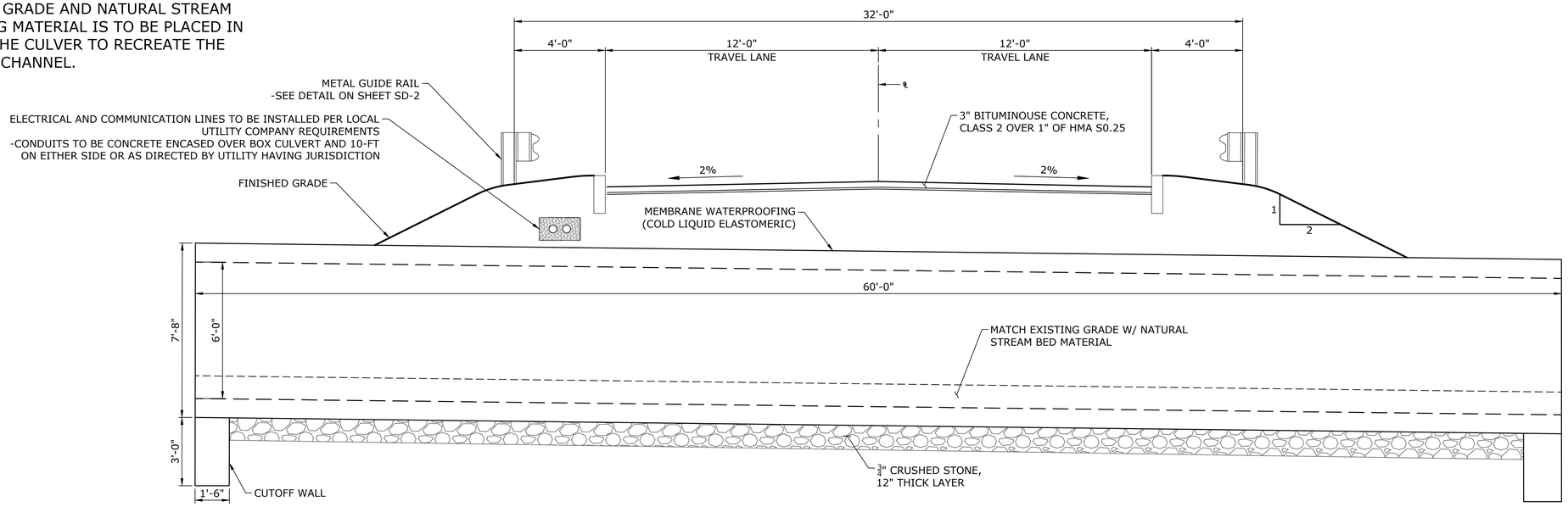
5. COMPACTION WITHIN 3 FT OF WALL SHALL BE LIMITED TO HAND OPERATED EQUIPMENT. CONTRACTOR SHALL SLOPE SITE GRADES TO DIRECT SURFACE RUNOFF AWAY FROM WALL AT END OF EACH DAY TO AVOID WATER DAMAGING THE WALL WHILE UNDER CONSTRUCTION. ANY SURFACE DRAINAGE FEATURES, FINISHED GRADING, PAVEMENT, OR TURF SHALL BE INSTALLED IMMEDIATELY AFTER WALL IS COMPLETED.

CONSTRUCTION SEQUENCE

1. INSTALL SEDIMENT & EROSION CONTROLS.
2. EXCAVATE FOR CULVERT.
3. INSTALL CUTOFF WALLS.
4. INSTALL PRECAST CONCRETE BOX CULVERT.
5. INSTALL MODULAR BLOCK WALLS AND GUIDE RAIL.
6. INSTALL ROADWAY IMPROVEMENTS.
7. REMOVE SEDIMENT & EROSION CONTOLS.

PRECAST BOX CONCRETE NOTES

1. THE CONTRACTOR SHALL SUBMIT DESIGN CALCULATIONS PREPARED IN ACCORDANCE WITH THE 2020 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 9TH EDITION, FOR HL-93 LOADING, FOR APPROVAL BY THE ENGINEER. THE DESIGN COMPUTATIONS SHALL CONSIDER ALL LOADINGS AS ARE APPROPRIATE DURING FABRICATION, SHIPMENT, ERECTION, CONSTRUCTION, AND UPON COMPLETION OF CONSTRUCTION BASED UPON THESE CONSTRUCTION DRAWINGS.
2. THE BOX DIMENSIONS PROVIDED ARE SHOWN TO ESTABLISH THE SIZE OF PROPOSED OPENING. THE WIDTHS AND THICKNESSES OF THE BOX UNITS SHALL BE DESIGNED BY THE CONTRACTOR. THE OPENING SIZE GIVEN SHALL BE MAINTAINED AND ALL LONGITUDINAL JOINT SHALL BE PER PLAN AS SHOWN ON THIS SHEET.
3. THE DESIGN OF THE FOOTING DETAILED HERE IS BASED UPON THE ASSUMED GEOMETRY OF THE BOX CULVERT SHOWN. THE CONTRACTOR SHALL PREPARE AND SUBMIT FOR APPROVAL A COMPLETE REDESIGN OF THE FOOTING SHOULD THE GEOMETRY OF THE CULVERT UNITS VARY FROM THAT SPECIFIED ON THE PLANS. THE DESIGN SHALL CONFORM TO THE STANDARDS STATED IN NOTE 1.



TYPICAL SECTION

SCALE: ⅜"=1'-0"

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
PZC REVISIONS	2025-10-15	JRH
IWWC RESUBMISSION	2026-02-02	JRH
IWWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-18	JRH

CULVERT SECTION
SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

JRH	JRH	DLO
DESIGNED	DRAWN	CHECKED

AS NOTED (SCALE)
OCTOBER 9, 2025 (DATE)
17307.00017 (PROJECT NO.)
26 OF 31 (SHEET NO.)
CS (SHEET NAME)

SEDIMENT & EROSION CONTROL SPECIFICATIONS

THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION, AS MAY BE REQUIRED, DURING CONSTRUCTION .

IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSE, WATER BODY, AND CONDUIT CARRYING WATER, ETC. THE CONTRACTOR SHALL LIMIT, INSOFAR AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES, AND WATER BODIES, AND TO PREVENT, INSOFAR AS POSSIBLE, EROSION ON THE SITE.

LAND GRADING

1. THE RESHAPING OF THE GROUND SURFACE BY EXCAVATION AND FILLING OR A COMBINATION OF BOTH, TO OBTAIN PLANNED GRADES, SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:

   a. THE PERMANENT CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).

   b. THE PERMANENT EXPOSED FACES OF EARTHEN FILLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).

   c. THE CUT FACE OF ROCK EXCAVATION SHALL NOT BE STEEPER THAN ONE HORIZONTAL TO FOUR VERTICAL (1:4).

   d. PROVISION SHOULD BE MADE TO CONDUCT SURFACE WATER SAFELY TO STORM DRAINS TO PREVENT SURFACE RUNOFF FROM DAMAGING CUT FACES AND FILL SLOPES.

   e. EXCAVATIONS SHOULD NOT BE MADE SO CLOSE TO PROPERTY LINES AS TO ENDANGER ADJOINING PROPERTY WITHOUT PROTECTING SUCH PROPERTY FROM EROSION, SLIDING, SETTLING, OR CRACKING.

   f. NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE OR WASH UPON THE PREMISES OF ANOTHER OWNER OR UPON ADJACENT WETLANDS, WATERCOURSES, OR WATER BODIES BODIES.

   g. PRIOR TO ANY REGRADING, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PLACED AT THE ENTRANCE TO THE WORK AREA IN ORDER TO REDUCE MUD AND OTHER SEDIMENTS FROM LEAVING THE SITE.

TOPSOILING

GENERAL:

1. TOPSOIL SHALL BE SPREAD OVER ALL EXPOSED AREAS IN ORDER TO PROVIDE A SOIL MEDIUM HAVING FAVORABLE CHARACTERISTICS FOR THE ESTABLISHMENT, GROWTH, AND MAINTENANCE OF VEGETATION.
2. UPON ATTAINING FINAL UPGRADES, SCARIFY SURFACE TO PROVIDE A GOOD BOND WITH TOPSOIL.
3. REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS AND CONSTRUCTION
4. APPLY LIME ACCORDING TO SOIL TEST OR AT THE RATE OF TWO (2) TONS PER ACRE.

MATERIAL:

1. TOPSOIL SHOULD HAVE PHYSICAL, CHEMICAL, AND BIOLOGICAL CHARACTERISTICS FAVORABLE TO THE GROWTH OF PLANTS.
2. TOPSOIL SHOULD HAVE A SANDY OR LOAMY TEXTURE.
3. TOPSOIL SHOULD BE RELATIVELY FREE OF SUBSOIL MATERIAL AND MUST BE FREE OF STONES (OVER 1" IN DIAMETER), LUMPS OF SOIL, ROOTS, TREE LIMBS, TRASH, OR CONSTRUCTION DEBRIS. IT SHOULD BE FREE OF ROOTS OR RHIZOMES SUCH AS THISTLE, KNOTGRASS, AND QUAKERS.
4. AN ORGANIC MATTER CONTENT OF SIX PERCENT (6%) IS REQUIRED. AVOID LIGHT COLORED SUBSOIL MATERIAL.
5. SOLUBLE SALT CONTENT OF OVER 500 PARTS PER MILLION (PM) IS LESS SUITABLE. AVOID TIDAL MARSH SOILS BECAUSE OF HIGH SALT CONTENT AND SULFUR ACIDITY.
6. THE pH SHOULD BE MORE THAN 6.0. IF LESS, ADD LIME TO INCREASE pH TO AN ACCEPTABLE LEVEL.

APPLICATION:

1. AVOID SPREADING WHEN TOPSOIL IS WET OR FROZEN.
2. SPREAD TOPSOIL UNIFORMLY TO A DEPTH OF AT LEAST SIX INCHES (6") OR TO THE DEPTH SHOWN ON THE LANDSCAPING PLANS.

TEMPORARY VEGETATIVE COVER

GENERAL:

1. TEMPORARY VEGETATIVE COVER SHALL BE ESTABLISHED ON ALL UNPROTECTED AREAS THAT PRODUCE SEDIMENT, AREAS WHERE FINAL GRADING HAS BEEN COMPLETED, AND AREAS WHERE THE ESTIMATED PERIOD OF BARE SOIL EXPOSURE IS MORE THAN 30 DAYS. AREAS TO BE LEFT EXPOSED FOR MORE THAN 30 DAYS SHALL BE SEEDED WITHIN 7 DAYS OF SUSPENSION OF CONSTRUCTION ACTIVITIES. TEMPORARY VEGETATIVE COVER SHALL BE APPLIED IF AREAS WILL NOT BE PERMANENTLY SEEDED BY SEPTEMBER 1.

SITE PREPARATION:

1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
2. REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.
3. APPLY LIME ACCORDING TO SOIL TEST OR AT A RATE OF ONE (1) TON OF GROUND DOLOMITIC LIMESTONE PER ACRE (5 LBS. PER 100 SQ. FT.).
4. APPLY FERTILIZER ACCORDING TO SOIL TEST OR AT THE RATE OF 300 LBS. OF 10-10-10 PER ACRE (7 LBS. PER 1,000 SQ. FT.) AND SECOND APPLICATION OF 200 LBS. OF 10-10-10- (5 LBS. PER 1,000 SQ. FT.) WHEN GRASS IS FOUR INCHES (4") TO SIX INCHES (6") HIGH. APPLY ONLY WHEN GRASS IS DRY.
5. UNLESS HYDROSEEDED, WORK IN LIME AND FERTILIZER TO A DEPTH OF FOUR (4") INCHES USING A DISK OR ANY SUITABLE EQUIPMENT.
6. TILLAGE SHOULD ACHIEVE A REASONABLY UNIFORM LOOSE SEEDBED. WORK ON CONTOUR IF SITE IS SLOPING.

ESTABLISHMENT:

1. SELECT APPROPRIATE SPECIES FOR THE SITUATION. NOTE RATES AND SEEDING DATES (SEE VEGETATIVE COVER SELECTION & MULCHING SPECIFICATION BELOW).
2. APPLY SEED UNIFORMLY ACCORDING TO THE RATE INDICATED BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
3. UNLESS HYDROSEEDED, COVER RYEGRASS SEEDS WITH NOT MORE THAN 1/4 INCH OF SOIL USING SUITABLE EQUIPMENT.
4. MULCH IMMEDIATELY AFTER SEEDING IF REQUIRED. {SEE VEGETATIVE COVER SELECTION & MULCHING SPECIFICATION BELOW.} APPLY STRAW OR HAY MULCH AND ANCHOR TO SLOPES GREATER THAN 3% OR WHERE CONCENTRATED FLOW WILL OCCUR.

PERMANENT VEGETATIVE COVER

GENERAL:

1. PERMANENT VEGETATIVE COVER SHALL BE ESTABLISHED AS VARIOUS SECTIONS OF THE PROJECT ARE COMPLETED IN ORDER TO STABILIZE THE SOIL, REDUCE DOWNSTREAM DAMAGE FROM SEDIMENT AND RUNOFF, AND TO ENHANCE THE AESTHETIC NATURE OF THE SITE. IT WILL BE APPLIED TO ALL CONSTRUCTION AREAS SUBJECT TO EROSION WHERE FINAL GRADING HAS BEEN COMPLETED AND A PERMANENT COVER IS NEEDED SHALL BE SEEDED WITHIN 7 DAYS OF ESTABLISHMENT OF FINAL GRADES.

SITE PREPARATION:

1. INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
2. REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.
3. PERFORM ALL PLANTING OPERATIONS PARALLEL TO THE CONTOURS OF THE SLOPE.
4. APPLY TOPSOIL AS INDICATED ELSEWHERE HEREIN.
5. APPLY FERTILIZER ACCORDING TO SOIL TEST OR:
   - ° SPREAD SEEDING: WORK DEEPLY IN SOIL, BEFORE SEEDING, 300 LBS. OF 10-10-10 FERTILIZER PER ACRE (7 LBS. PER 1,000 SQ. FT.); THEN SIX (6) TO EIGHT (8) WEEKS LATER, APPLY ON THE SURFACE AN ADDITIONAL 300 LBS. OF 10-10-10 FERTILIZER PER ACRE. AFTER SEPTEMBER 1, TEMPORARY VEGETATIVE COVER SHALL BE APPLIED.
   - ° FALL SEEDING: WORK DEEPLY IN SOIL, BEFORE SEEDING, 600 LBS. OF 10-10-10 FERTILIZER PER ACRE (14 LBS. PER 1,000 SQ. FT.).

VEGETATIVE COVER SELECTION & MULCHING

TEMPORARY VEGETATIVE COVER:

PERENNIAL RYEGRASS 3 LBS./1,000 SQ.FT.
(LOLIUM PERENNE)

* PERMANENT VEGETATIVE COVER:

BARON KENTUCKY BLUEGRASS	60%
JAMESTOWN II CHEWINGS FESCUE	20%
PALMER PERENNIAL RYEGRASS	20%

* LOFTS - "TRIPLEX GENERAL" MIX OR APPROVED EQUAL.
RECOMMENDED TIME SEEDING. 5 LB./1000 S.F. SEEDING RATE.

SPRING SEEDING: 4/1 to 5/31

FALL SEEDING: 8/16 to 10/15

TEMPORARY MULCHING:

STRAY OR HAY 70-90 LBS./1,000 SQ.FT.
(TEMPORARY VEGETATIVE AREAS)

WOOD FIBER IN HYDROMULCH SLURRY 25-50 LBS./1,000 SQ. FT.

ESTABLISHMENT:

1. SMOOTH AND FIRM SEEDBED WITH CULTIPACKER OR OTHER SIMILAR EQUIPMENT PRIOR TO SEEDING (EXCEPT WHEN HYDROSEEDING).
2. SELECT ADAPTED SEED MIXTURE FOR THE SPECIFIC SITUATION. NOTE RATES AND THE SEEDING DATES (SEE VEGETATIVE COVER SELECTION & MULCHING SPEC. BELOW).
3. APPLY SEED UNIFORMLY ACCORDING TO RATE INDICATED, BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
4. COVER GRASS AND LEGUME SEED WITH NOT MORE THAN 1/4 INCH OF SOIL WITH SUITABLE EQUIPMENT (EXCEPT WHEN HYDROSEEDING).
5. MULCH IMMEDIATELY AFTER SEEDING, IF REQUIRED, ACCORDING TO TEMPORARY MULCHING SPECIFICATIONS. (SEE VEGETATIVE COVER SELECTION & MULCHING SPECIFICATION BELOW).
6. USE PROPER INOCULANT ON ALL LEGUME SEEDINGS, USE FOUR (4) TIMES NORMAL RATES WHEN HYDROSEEDING.
7. USE SOD WHERE THERE IS A HEAVY CONCENTRATION OF WATER AND IN CRITICAL AREAS WHERE IT IS IMPORTANT TO GET A QUICK VEGETATIVE COVER TO PREVENT EROSION.

MAINTENANCE:

1. TEST FOR SOIL ACIDITY LIME AS REQUIRED.
2. ON SITES WHERE GRASSES PREDOMINATE, BROADCAST ANNUALLY 500 POUNDS OF 10-10-10 FERTILIZER PER ACRE (12 LBS. PER 1,000 SQ. FT.) OR AS NEEDED ACCORDING TO ANNUAL SOIL TESTS.
3. ON SITES WHERE LEGUMES PREDOMINATE, BROADCAST AS INDICATED BY SOIL TEST 300 POUNDS OF 0-20-20 OR EQUIVALENT PER ACRE (8 LBS PER 1,000 SQ. FT.).

EROSION CHECKS

GENERAL:

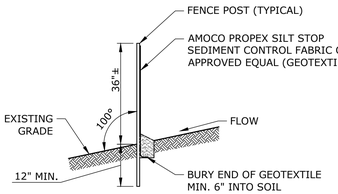
1. TEMPORARY PERVIOUS BARRIERS USING BALES OF HAY OR STRAW, HELD IN PLACE WITH STAKES DRIVEN THROUGH THE BALES AND INTO THE GROUND OR GEOTEXTILE FABRIC FASTENED TO A FENCE POST AND BURIED INTO THE GROUND, SHALL BE INSTALLED AND MAINTAINED AS REQUIRED TO CHECK EROSION AND REDUCE SEDIMENTATION.

CONSTRUCTION:

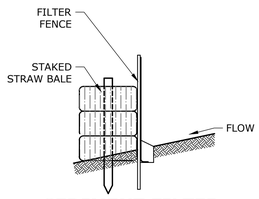
1. BALES SHOULD BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED INTO THE SOIL A MINIMUM OF FOUR (4") INCHES.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY WOOD STAKES OR REINFORCEMENT BARS DRIVEN THROUGH THE BALES AND INTO THE GROUND. THE FIRST STAKE IN EACH BALE SHALL BE ANGLED TOWARD THE PREVIOUSLY LAID BALE TO FORCE BALES TOGETHER.
4. GEOTEXTILE FABRIC SHALL BE SECURELY ANCHORED AT THE TOP OF A THREE FOOT (3') HIGH FENCE AND BURIED A MINIMUM OF FOUR INCHES (4") TO THE SOIL. SEAMS BETWEEN SECTIONS OF FILTER FABRIC SHALL OVERLAP A MINIMUM OF TWO FEET (2').

INSTALLATION AND MAINTENANCE:

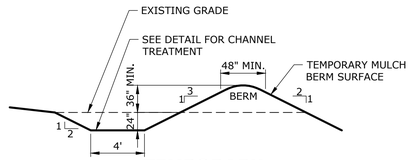
1. BALED HAY EROSION BARRIERS SHALL BE INSTALLED AT ALL STORM SEWER INLETS.
2. BALED HAY EROSION BARRIERS AND GEOTEXTILE FENCE SHALL BE INSTALLED AT THE LOCATION INDICATED ON THE PLAN AND IN ADDITIONAL AREAS AS MAY BE DEEMED APPROPRIATE DURING CONSTRUCTION.
3. ALL EROSION CHECKS SHALL BE MAINTAINED UNTIL ADJACENT AREAS ARE STABILIZED.
4. INSPECTION SHALL BE FREQUENT (AT MINIMUM MONTHLY AND BEFORE AND AFTER HEAVY RAIN) AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. EROSION CHECKS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM WATER FLOW OR DRAINAGE.



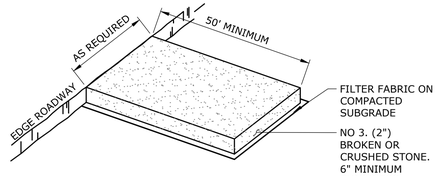
SEDIMENT FILTER FENCE
NOT TO SCALE



SEDIMENT FILTER FENCE AND HAY BALE
NOT TO SCALE



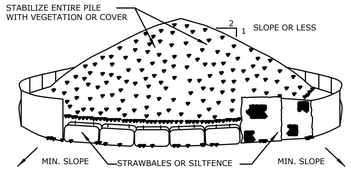
TEMPORARY DIVERSION BERM AND SWALE
NOT TO SCALE



NOTES:

1. CONSTRUCTION ENTRANCE PAD SHALL BE INSTALLED AND MAINTAINED DURING OPERATIONS WHICH GENERATE VEHICULAR TRACKING OF MUD.

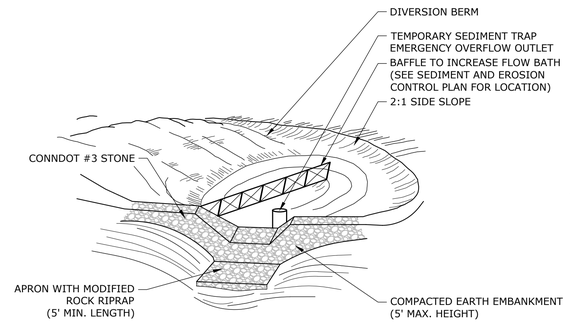
CONSTRUCTION ENTRANCE PAD
NOT TO SCALE



INSTALLATION NOTES

1. AREA CHOSEN FOR STOCKPILING OPERATIONS SHALL BE DRY AND STABLE.
2. MAXIMUM SLOPE OF STOCKPILE SHALL BE 1:2.
3. UPON COMPLETION OF SOIL STOCKPILING, EACH PILE SHALL BE SURROUNDED WITH EITHER SILT FENCING OR STRAWBALES, THEN STABILIZED WITH VEGETATION OR COVERED.
4. ALL STOCK PILES TO REMAIN IN PLACE FOR MORE THAN 30 CONSECUTIVE DAYS SHALL BE TEMPORARILY SEEDED.

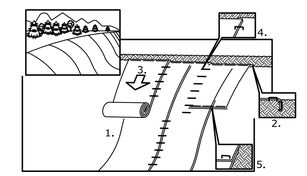
STOCKPILE PROTECTION
NOT TO SCALE



NOTES:

1. REFER TO SEDIMENT & EROSION CONTROL PLAN FOR APPROXIMATE DIMENSIONS AND REQUIRED VOLUME.

TEMPORARY SEDIMENT TRAP
NOT TO SCALE

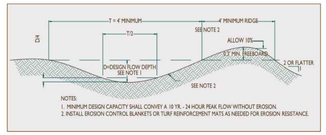


NOTES:

1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED.
2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP BY 6" WIDE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
3. ROLL THE BLANKETS DOWN THE SLOPE IN THE DIRECTION OF THE WATER FLOW.
4. THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
5. WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 6" OVERLAP. STAPLE THROUGH OVERLAP AREA, APPROXIMATELY 12" APART.

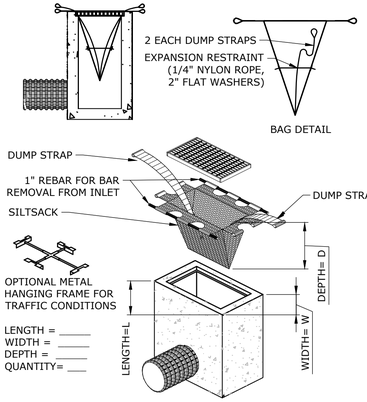
REFER TO GENERAL STAPLE PATTERN GUIDE IN NORTH AMERICAN GREEN CATALOG FOR CORRECT STAPLE PATTERN RECOMMENDATIONS FOR SLOPE INSTALLATIONS.

APPLICATION OF EROSION CONTROL BLANKET ON SLOPES
NOT TO SCALE



Outlet
Provide the permanent diversion with a stable outlet which will reduce the energy of concentrated discharge so as not to cause downstream erosion

PERMANENT DIVERSION
NOT TO SCALE



SILTSACK
SPECIFICATIONS

NOTES:

1. THE SILTSACK WILL BE MANUFACTURED FROM A WOVEN POLYPROPYLENE FABRIC THAT MEETS OR EXCEEDS THE FOLLOWING SPECIFICATIONS.

REGULAR FLOW SILTSACK
(FOR AREAS OF LOW TO MODERATE PRECIPITATION AND RUN-OFF)

PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	120 LBS
MULLEN BURST	ASTM D-3786	800 PSI
TRAPEZOID TEAR	ASTM D-4533	120 LBS
UV RESISTANCE	ASTM D-4355	80%
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE
FLOW RATE	ASTM D-4491	40GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	0.55 SEC-1

HI-FLOW SILTSACK
(FOR AREAS OF MODERATE TO HEAVY PRECIPITATION AND RUN-OFF)

PROPERTIES	TEST METHOD	UNITS
GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS
GRAB TENSILE ELONGATION	ASTM D-4632	20%
PUNCTURE	ASTM D-4833	135 LBS
MULLEN BURST	ASTM D-3786	420 PSI
TRAPEZOID TEAR	ASTM D-4533	45 LBS
UV RESISTANCE	ASTM D-4355	90%
APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE
FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT
PERMITTIVITY	ASTM D-4491	1.5 SEC-1

OIL- ABSORBANT SILTSACK
(FOR AREAS WHERE THERE IS A CONCERN FOR OIL RUN-OFF OR SPILLS)

DEPENDING ON YOUR PARTICULAR APPLICATION, THE SILTSACK CAN BE MADE FROM EITHER ONE OF THE ABOVE FABRICS WITH AND OIL-ABSORBANT PILLOW INSERT OR, MADE COMPLETELY FROM AN OIL-ABSORBANT SILTSACK, WITH A WOVEN PILLOW INSERT.

INLET SEDIMENT CONTROL DEVICE
NOT TO SCALE

EROSION CONTROL MAINTENANCE INTERVALS

EROSION CONTROL MEASURE	CONTROL OBJECTIVE	INSPECTION/MAINTENANCE	FAILURE INDICATORS	REMOVAL
TEMPORARY SEDIMENT TRAP (TST)	- DETAIN SEDIMENT-LADEN RUNOFF FROM SMALL DISTURBED AREAS LONG ENOUGH TO ALLOW A MAJORITY OF THE SEDIMENT TO SETTLE OUT.	INSPECT AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL OF 0.5 INCHES OR MORE. STONE OUTLET SHOULD BE AT LEAST 1 FOOT BELOW CREST OF EMBANKMENT. SEDIMENT MUST BE REMOVED WHEN ACCUMULATION REACHES ½ OF THE REQUIRED WET STORAGE.	- TURBID WATER - EXCESSIVE SEDIMENT ACCUMULATION - OVERTOPPING EVIDENCE	TST MAY BE REMOVED ONCE THE CONTRIBUTING DRAINAGE AREA IS PERMANENTLY STABILIZED.
SILT FENCE (SF) (RELATED: IP, STK)	- INTERCEPT, AND REDIRECT/DETAIN SMALL AMOUNTS OF SEDIMENT FROM SMALL DISTURBED AREAS. - DECREASE VELOCITY OF SHEET FLOW. - PROTECT SENSITIVE SLOPES OR SOILS FROM EXCESSIVE WATER FLOW.	INSPECT AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL OF 0.5 INCHES OR MORE. ACCUMULATED SEDIMENT MUST BE REMOVED ONCE ITS DEPTH IS EQUAL TO ½ THE TRENCH HEIGHT. INSPECT FREQUENTLY DURING PUMPING OPERATIONS IF USED FOR DEWATERING OPERATIONS.	- PHYSICAL DAMAGE OR DECOMPOSITION - EVIDENCE OF OVERTOPPED OR UNDERCUT FENCE - EVIDENCE OF SIGNIFICANT FLOWS EVADING CAPTURE - REPETITIVE FAILURE	SILT FENCE MAY BE REMOVED AFTER UPHILL AND SENSITIVE AREAS HAVE BEEN PERMANENTLY STABILIZED.
HAY BALES (HB)	- INTERCEPT, AND REDIRECT/DETAIN SMALL AMOUNTS OF SEDIMENT FROM SMALL DISTURBED AREAS. - DECREASE VELOCITY OF SHEET FLOW. - PROTECT SENSITIVE SLOPES OR SOILS FROM EXCESSIVE WATER FLOW.	INSPECT AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL OF 0.5 INCHES OR MORE. ACCUMULATED SEDIMENT MUST BE REMOVED ONCE THE DEPTH OF SEDIMENT IS EQUAL TO ½ THE HEIGHT OF THE BARRIER. INSPECT FREQUENTLY DURING PUMPING OPERATIONS IF USED FOR DEWATERING OPERATIONS.	- PHYSICAL DAMAGE OR DECOMPOSITION - EVIDENCE OF OVERTOPPED OR UNDERCUT FENCE - EVIDENCE OF SIGNIFICANT FLOWS EVADING CAPTURE - REPETITIVE FAILURE	HAY BALES MAY BE REMOVED AFTER UPHILL AREAS HAVE BEEN PERMANENTLY STABILIZED.
TEMPORARY DIVERSION BERM/SWALE (TBS) OR TEMPORARY SWALE (TBS)	- MINIMIZE VELOCITY AND CONCENTRATION OF SHEET FLOW ACROSS CONSTRUCTION SITE TO A SEDIMENT TRAPPING FACILITY. - DIVERT WATER ORIGINATING FROM UNDISTURBED AREA AWAY FROM CONSTRUCTION.	WHEN LOCATED WITHIN CLOSE PROXIMITY TO ONGOING CONSTRUCTION ACTIVITIES, INSPECT AT THE END OF EACH WORK DAY AND IMMEDIATELY REPAIR DAMAGES. OTHERWISE INSPECT AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL OF 0.5 INCHES OR MORE. REPAIR THE TEMPORARY MEASURE AND ANY OTHER ASSOCIATED MEASURES WITHIN 24 HOURS.	- PHYSICAL DAMAGE - EXCESSIVE SCOURING/EROSION - REPETITIVE FAILURE	TEMPORARY DIVERSIONS MAY BE REMOVED ONCE CONSTRUCTION HAS CEASED AND THE CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED.
CONSTRUCTION ENTRANCE (CE)	- REDUCE THE TRACKING OF SEDIMENT OFF-SITE ONTO PAVED SURFACES.	INSPECT AT THE END OF EACH WORK DAY AND IMMEDIATELY REPAIR DAMAGES. PERIODIC ADDITION OF STONE, OR LENGTHENING OF ENTRANCE MAY BE REQUIRED AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES AS A RESULT OF INEFFICIENCY OF CONSTRUCTION ENTRANCE SHALL BE IMMEDIATELY REMOVED.	- SEDIMENT IN ROADWAY ADJACENT TO SITE	CONSTRUCTION ENTRANCE MAY BE REMOVED ONCE THE SITE HAS BEEN PERMANENTLY STABILIZED, AND ALL OTHER SECTIONS OF ROADWAY HAVE BEEN PERMANENTLY PAVED.
CATCH BASIN INLET PROTECTION (IP)	- PROHIBIT SILT IN CONSTRUCTION-RELATED RUNOFF FROM ENTERING STORM DRAINAGE SYSTEM.	INSPECT AFTER ANY RAIN EVENT. IF FILTER BAG INSIDE CATCH BASIN CONTAINS MORE THAN 6" OF SEDIMENT, REMOVE SEDIMENT FROM BAG. CHECK SURROUNDING SILT FENCE AND HAY BALES PER NOTED ABOVE.	- RIPPED BAG - FAILED HAY BALES / SILT FENCE - SIGNIFICANT SILT PRESENCE IN STORM DRAINAGE SYSTEM OUTFLOW.	INLET PROTECTION MAY BE REMOVED ONCE THE SITE HAS BEEN PERMANENTLY STABILIZED, AND ALL SECTIONS OF ROADWAY HAVE BEEN PERMANENTLY PAVED.
STOCKPILE PROTECTION (STK)	- RETAIN SOIL STOCKPILE IN LOCATIONS SPECIFIED, AND REDUCE WATER-TRANSPORT.	INSPECT SILT FENCE AT THE END OF EACH WORK DAY AND IMMEDIATELY REPAIR DAMAGES. PERIODIC REINFORCEMENT OF SILT FENCE, OR ADDITION OF HAY BALES MAY BE NECESSARY.	- EVIDENCE OF STOCK PILE DIMINISHING DUE TO RAIN EVENTS - FAILURE OF SILT FENCE	STOCKPILE PROTECTION MAY BE REMOVED ONCE THE STOCKPILE IS USED OR REMOVED.
EROSION CONTROL BLANKET (ECB)	- TO PROVIDE TEMPORARY SURFACE PROTECTION TO NEWLY SEEDED AND/OR DISTURBED SOILS WHERE SLOPES ARE 2:1 OR FLATTER.	INSPECT TEMPORARY EROSION CONTROL BLANKETS AT LEAST ONCE A WEEK AND WITHIN 24 HOURS OF THE END OF A STORM WITH A RAINFALL AMOUNT OF 0.5 INCH OR GREATER FOR FAILURES.	-SOILS AND/OR SEED HAVE WASHED AWAY FROM BENEATH THE BLANKET AND THE SOIL SURFACE CAN BE EXPECTED TO CONTINUE TO ERODE AT AN ACCELERATED RATE -THE BLANKET HAS BECOME DISLODGED FROM THE SOIL SURFACE OR IS TORN.	DOES NOT REQUIRE REMOVAL. ECBS ARE BIODEGRADABLE OR PHOTODEGRADABLE WITHIN TWO YEARS.

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DESCRIPTION	DATE	BY
IWWC RESUBMISSION	2026-02-02	JRH
IWWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-18	JRH

SITE DETAILS
SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
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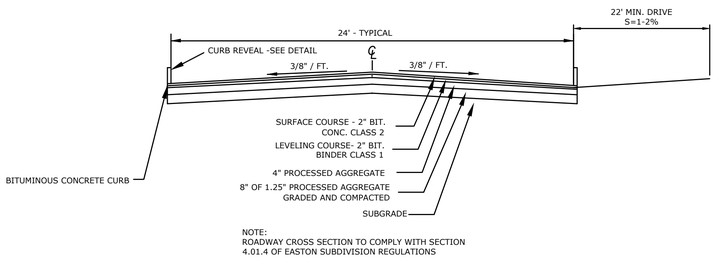
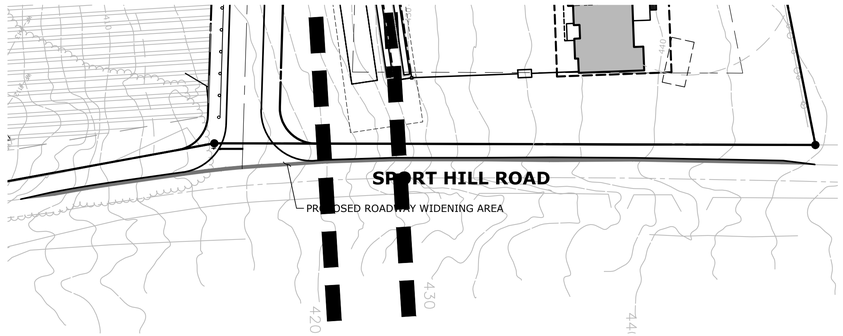
SCALE: AS NOTED
DATE: OCTOBER 9, 2025
PROJECT NO.: 17307.00017
SHEET NO.: 27 OF 31
SHEET NAME: SD-1



NOTE:
ROADWAY CROSS SECTION TO COMPLY WITH SECTION 4.01.4 OF EASTON SUBDIVISION REGULATIONS

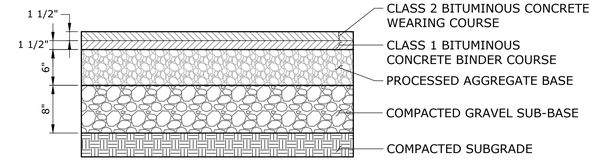
ROADWAY CROSS SECTION

NOT TO SCALE



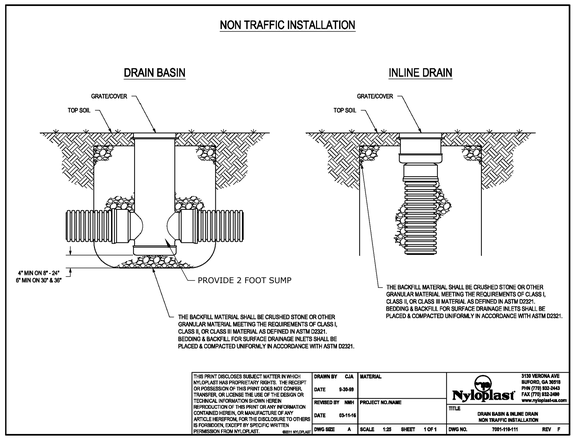
ROADWAY WIDENING DETAIL - SPORT HILL ROAD

SCALE 1:50

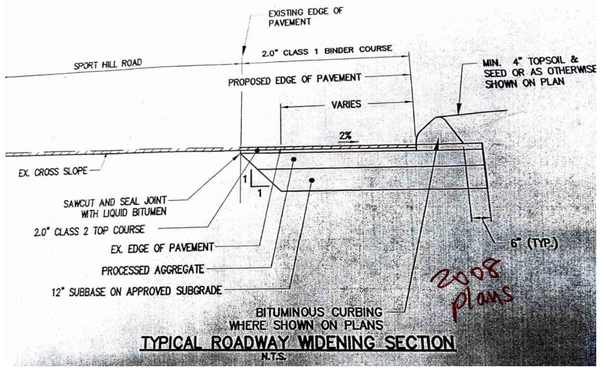


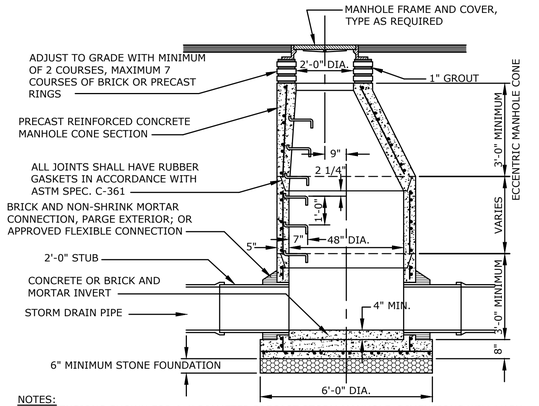
BITUMINOUS CONCRETE

NOT TO SCALE



AREA DRAIN (OR EQUAL)

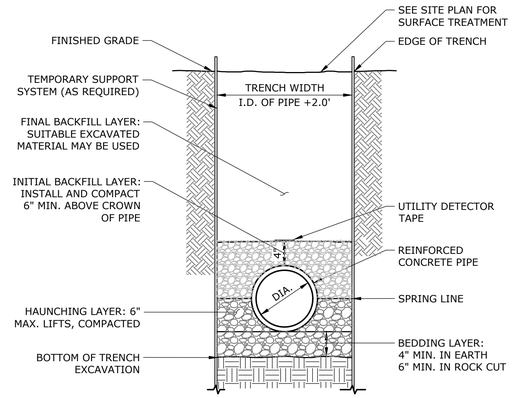




NOTES:
1. DIMENSIONS SHOWN FOR A 4' DIAMETER PRECAST STORM MANHOLE. DIMENSIONS WILL VARY FOR LARGER DIAMETER MANHOLES.
2. 5' AND 6' DIAMETER PRECAST MANHOLES ARE REQUIRED WHERE INDICATED ON THE PLANS OR AS IDENTIFIED BY THE MANUFACTURER.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO ENGINEER FOR REVIEW.

PRECAST STORM DRAINAGE MANHOLE

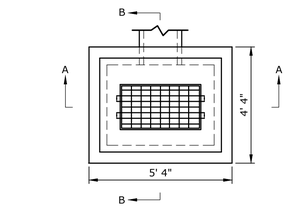
NOT TO SCALE



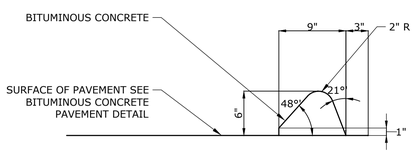
NOTES:
1. BACKFILL MATERIAL USED IN BEDDING, HAUNCHING, AND INITIAL BACKFILL LAYERS SHALL BE 3/4" CRUSHED STONE.
2. PAYMENT LIMIT FOR ROCK IN TRENCH TO BE PIPE DIAMETER + 3.0'

STORM DRAINAGE TRENCH

NOT TO SCALE

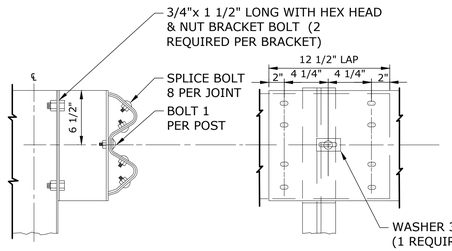


PLAN



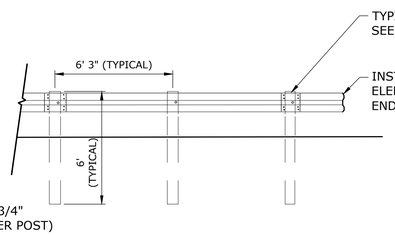
BITUMINOUS CONCRETE CURB

NOT TO SCALE

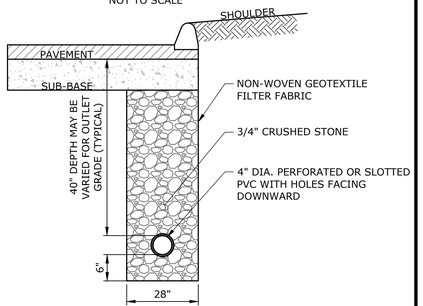


SIDE FRONT

DETAIL "A" RAIL SPLICE

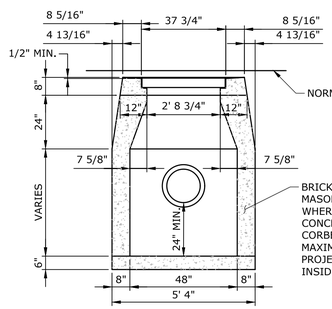


ELEVATION

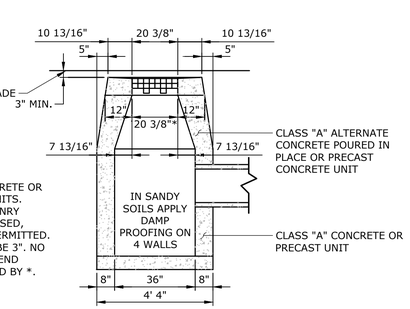


ROADWAY UNDERDRAIN

NOT TO SCALE



SECTION A-A

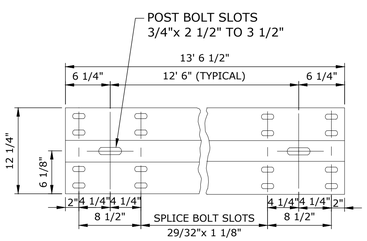


SECTION B-B

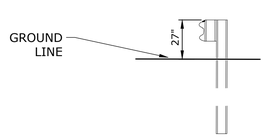
NOTES:
1. WHERE PRECAST CONCRETE UNIT IS USED FOR SUMP, THE TOP OF THE UNIT SHALL BE AT LEAST 6" BELOW THE BOTTOM OF THE PIPE OUTLETTING FROM THE CATCH BASIN.

TYPE "C-L" CATCH BASIN

NOT TO SCALE



TYPICAL RAIL ELEMENT CLASS A, TYPE 2

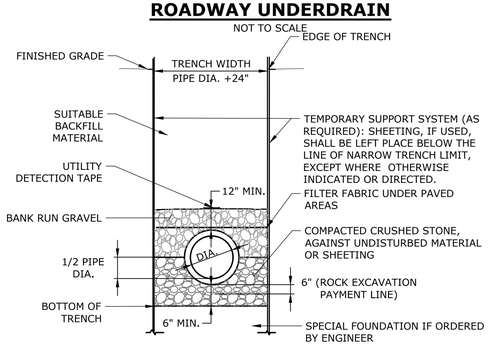


SECTION A-A NORMAL HEIGHT

NOTES:
1. ALL GUIDE RAIL MATERIALS AND CONSTRUCTION METHODS SHALL BE AS SPECIFIED IN THE STATE OF CONNECTICUT DEPT. OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION, FORM 819.

METAL GUIDE RAIL (TYPE R-B)

NOT TO SCALE



NOTE: ALL UTILITIES TO BE ENCASED IN CONCRETE WHERE CROSSING OVER PROPOSED BOX CULVERT

UTILITY TRENCH

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IWWC RESUBMISSION	2026-02-02	JRH
IWWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-16	JRH

SITE DETAILS
SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
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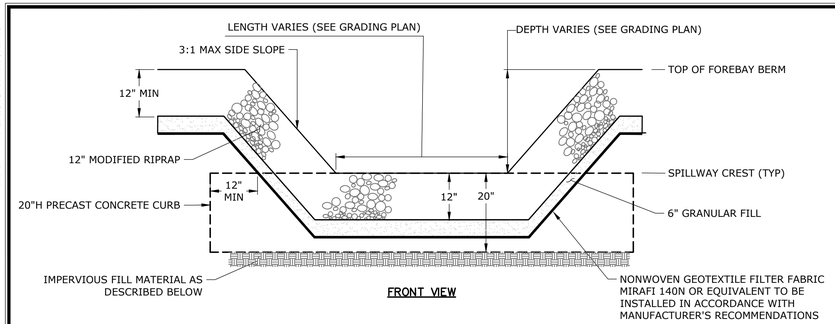
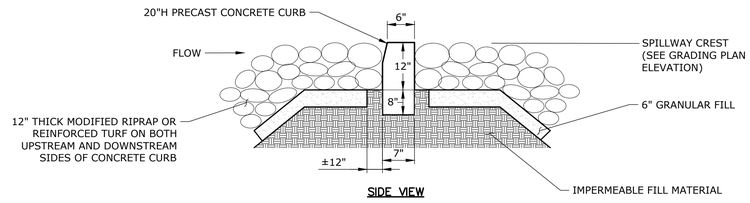
SCALE: AS NOTED
DATE: OCTOBER 9, 2025
PROJECT NO.: 17307.00017
SHEET NO.: 28 OF 31
SHEET NAME: SD-2



FRONT VIEW

IMPERVIOUS FILL MATERIALS SHALL BE A GLACIAL TILL, AND TO BE PROVIDED FROM AN OFFSITE SOURCE IN THE QUANTITIES REQUIRED FOR COMPLETION. FILL TO BE APPROVED BY THE ENGINEER. GLACIAL TILL SHALL CONSIST OF HARD AND DURABLE PARTICLES OR FRAGMENTS AND SHALL BE FREE FROM ORGANIC MATTER AND OTHER OBJECTIONABLE MATERIALS. GLACIAL TILL SHALL GENERALLY CONFORM TO THE FOLLOWING GRADATION LIMITS:

US STANDARD SIEVE SIZE	PERCENTAGE PASSING BY WEIGHT
3 INCH	100
NO. 4	60-95
NO. 10	50-95
NO. 40	30-75
NO. 100	20-65
200	10-40

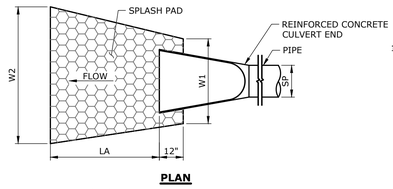


SIDE VIEW

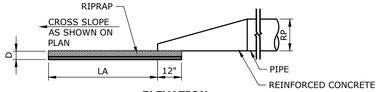
NOTE:
1. FOR USE AT WATER QUALITY BASIN 5 ONLY. 1/4 MILE TRAIL TO ACT AS OVERFLOW SPILLWAY AT WATER QUALITY BASINS 1 AND 2

RIPRAP OVERFLOW SPILLWAY

NOT TO SCALE



PLAN



ELEVATION

OUTLET PROTECTION ID	TYPE	SP (FT)	RP (FT)	LA (FT)	W1 (FT)	W2 (FT)	D (IN)
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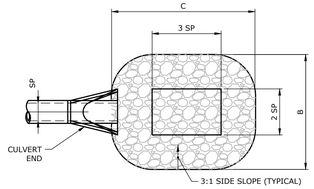
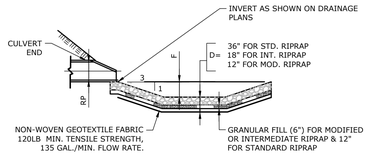
FLARED END WITH RIP RAP SPLASH PAD

NOT TO SCALE



PLAN



ELEVATION

OUTLET PROTECTION ID	TYPE	SP (FT)	RP (FT)	C (FT)	B (FT)	F (FT)	D (IN)
FES 26	MODIFIED TYPE 1	1.5	1.5	9.0	7.5	0.75	12.0
FES 10	MODIFIED TYPE 1	1.25	1.25	7.5	6.25	0.625	12.0
FES 19	MODIFIED TYPE 1	1.25	1.25	7.5	6.25	0.625	12.0

RIPRAP PREFORMED SCOUR HOLE TABLE

RIPRAP PREFORMED SCOUR HOLE

NOT TO SCALE

FORMATION OF EMBANKMENTS FOR STORMWATER BASINS

1. MATERIALS

ALL FILL MATERIALS SHALL BE OBTAINED FROM REQUIRED EXCAVATIONS OR DESIGNATED BORROW AREAS. FILL MATERIAL SHALL CONTAIN NO FROZEN MATERIAL, SOD, BRUSH, ROOTS, OR OTHER ORGANIC MATERIAL. EARTH EMBANKMENTS SHALL CONTAIN NO STONES OR ROCK PARTICLES OVER THREE INCHES IN DIAMETER.

THE MATERIAL USED IN THE CENTER PORTION OF THE EMBANKMENT SHALL BE THE MOST IMPERVIOUS MATERIAL OBTAINED FROM THE BORROW AREAS IF REQUIRED. THE MORE PERVIOUS MATERIALS SHALL BE USED IN THE OUTER PORTION OF THE EMBANKMENT AS SHOWN ON THE PLANS.

A. IMPERVIOUS FILL MATERIALS

IMPERVIOUS FILL SHALL BE A GLACIAL TILL, AND TO BE PROVIDED FROM AN OFFSITE SOURCE IN THE QUANTITIES REQUIRED FOR COMPLETION. FILL TO BE APPROVED BY THE ENGINEER. GLACIAL TILL SHALL CONSIST OF HARD AND DURABLE PARTICLES OR FRAGMENTS AND SHALL BE FREE FROM ORGANIC MATTER AND OTHER OBJECTIONABLE MATERIALS. GLACIAL TILL SHALL GENERALLY CONFORM TO THE FOLLOWING GRADATION LIMITS:

U.S. STANDARD SIEVE SIZE	PERCENTAGE PASSING BY WEIGHT
3 INCH	100
NO. 4	60-95
NO. 10	50-95
NO. 40	30-75
NO. 100	20-65
NO. 200	10-40

2. EMBANKMENT FOUNDATION PREPARATION

AREAS WHERE EMBANKMENTS ARE TO BE FORMED SHALL BE CLEARED AND GRUBBED OF ALL TOPSOIL AND OTHER ORGANIC MATERIALS TO A DEPTH OF AT LEAST 24 INCHES. UNLESS OTHERWISE SPECIFIED ON THE DRAWINGS, FOUNDATION AREAS SHALL BE SCARIFIED TO A DEPTH OF THREE INCHES PRIOR TO PLACEMENT OF FILL MATERIAL.

3. PLACEMENT

NO FILL SHALL BE PLACED UNTIL THE FOUNDATION PREPARATION AND EXCAVATIONS IN THE FOUNDATION HAVE BEEN COMPLETED. NO FILL SHALL BE PLACED ON A FROZEN SURFACE NOR SHALL FROZEN MATERIAL BE INCORPORATED.

A. EMBANKMENT

MATERIAL SHALL BE PLACED IN HORIZONTAL LAYERS. THE THICKNESS OF LAYERS SHALL BE SIX INCHES. DURING CONSTRUCTION, THE SURFACE OF THE FILL SHALL HAVE A CROWN OR CROSS-SLOPE OF NOT LESS THAN TWO PERCENT. EACH LAYER OR LIFT SHALL EXTEND OVER THE ENTIRE AREA OF THE FILL.

THE FILL SHALL BE FREE FROM LENSES, POCKETS, STREAKS, OR LAYERS OF MATERIAL DIFFERING SUBSTANTIALLY IN TEXTURE OR GRADATION FROM THE SURROUNDING MATERIAL. THE MORE PERVIOUS MATERIAL SHALL BE PLACED IN THE OUTSIDE PORTION OF THE EMBANKMENT OR AS INDICATED ON THE DRAWINGS. THE FINISHED FILL SHALL BE SHAPED AND GRADED TO THE LINES AND GRADE SHOWN ON THE DRAWINGS.

B. BACKFILL AT THE PIPE OUTLET

BACKFILL SHALL BE PLACED IN HORIZONTAL LAYERS NOT TO EXCEED THREE INCHES IN THICKNESS AND SHALL BE BROUGHT UP UNIFORMLY AROUND THE OUTLET PIPE AND FLARED END SECTION

4. MOISTURE CONTROL

THE MOISTURE CONTENT OF MATERIALS IN THE EMBANKMENT SHALL BE CONTROLLED TO MEET THE REQUIREMENTS OF SECTION 5, "COMPACTION OF EMBANKMENT." WHEN NECESSARY, MOISTURE SHALL BE ADDED BY USE OF APPROVED SPRINKLING EQUIPMENT. WATER SHALL BE ADDED UNIFORMLY AND EACH LAYER SHALL BE THOROUGHLY DISKED OR HARROWED TO PROVIDE ROPER MIXING. ANY LAYER FOUND TOO WET FOR PROPER COMPACTION SHALL BE ALLOWED TO DRY BEFORE ROLLING. PLACING OR ROLLING OF MATERIAL ON EARTH FILLS WILL NOT BE PERMITTED DURING OR IMMEDIATELY AFTER RAINFALLS WHICH INCREASE THE MOISTURE CONTENT BEYOND THE LIMIT OF SATISFACTORY COMPACTION. THE EARTH FILL SHALL BE BROUGHT UP UNIFORMLY AND ITS TOP SHALL BE KEPT GRADED AND SLOPED SO THAT A MINIMUM OF RAINWATER WILL BE RETAINED THEREON. COMPACTED EARTH FILL DAMAGED BY WASHING SHALL BE ACCEPTABLY REPLACED BY THE CONTRACTOR.

5. COMPACTION

A. EMBANKMENT

EMBANKMENT MATERIAL SHALL BE COMPACTED TO 95% OF THE STANDARD PROCTOR DENSITY AT NEAR OPTIMUM MOISTURE CONTENT AND BY THE COMPACTION EQUIPMENT SPECIFIED HEREIN. THE COMPACTION EQUIPMENT SHALL TRAVERSE THE ENTIRE SURFACE OF EACH LAYER OF FILL MATERIAL.

APPROVED TAMPING ROLLERS SHALL BE USED FOR COMPACTING ALL PARTS OF THE EMBANKMENTS WHICH THEY CAN EFFECTIVELY REACH. THE CONTRACTOR SHALL DEMONSTRATE THE EFFECTIVENESS OF THE ROLLER BY ACTUAL SOIL COMPACTION RESULTS OF THE SOIL TO BE USED IN THE EMBANKMENT WITH LABORATORY WORK PERFORMED BY AN APPROVED SOIL TESTING LABORATORY.

B. BACKFILL AT OUTLET CONDUIT

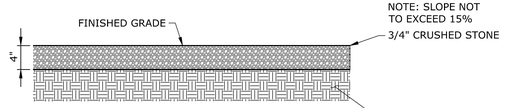
BACKFILL SHALL BE COMPACTED BY HAND TAMPING WITH MECHANICAL TAMPERS. HEAVY EQUIPMENT SHALL NOT BE OPERATED WITHIN TWO FEET OF ANY STRUCTURE. EQUIPMENT SHALL NOT BE ALLOWED TO OPERATE OVER THE OUTLET CONDUITS UNTIL THERE IS 24 INCHES OF FILL OVER THE PIPE CONDUITS.

6. FINISHING EMBANKMENTS

THE EMBANKMENTS SHALL BE CONSTRUCTED TO THE ELEVATIONS, LINES, GRADES AND CROSS-SECTIONS AS SHOWN ON THE DRAWINGS. THE EMBANKMENTS SHALL BE MAINTAINED IN A MANNER SATISFACTORY TO THE ENGINEER AND SURFACES SHALL BE COMPACT AND ACCURATELY GRADED BEFORE TOPSOIL IS PLACED ON THEM. THE CONTRACTOR SHALL CHECK THE EMBANKMENT SLOPES WITH STRING LINES TO INSURE THAT THEY CONFORM TO THE SLOPES GIVEN ON THE PLANS AND ARE UNIFORM FOR THE ENTIRE LENGTH OF THE SLOPE.

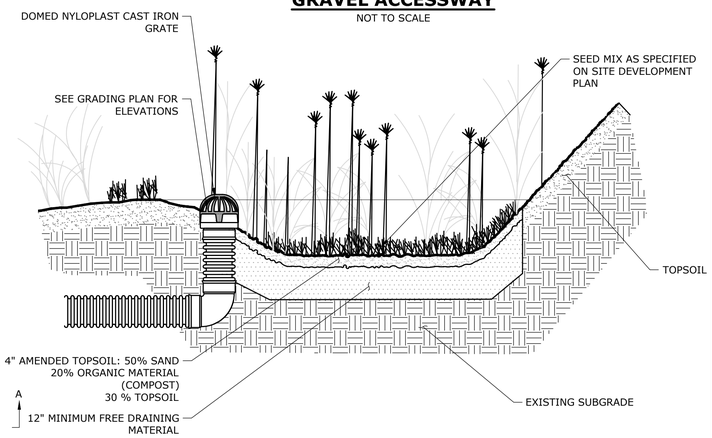
7. CONTROL OF WATER

THE PROJECT SITE IS SUBJECT TO HIGH WATER TABLE. THE CONTRACTOR SHALL USE TEMPORARY PIPES OR PUMPS TO ASSURE PLACEMENT OF SELECT FILL IN DRY CONDITIONS.



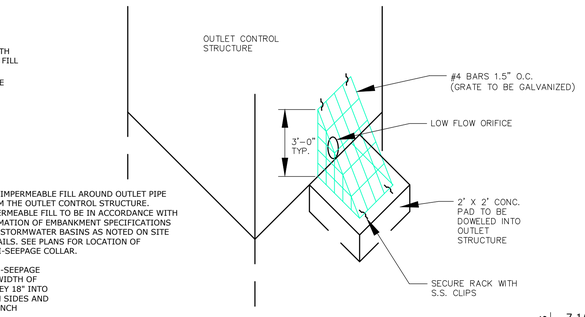
GRAVEL ACCESSWAY

NOT TO SCALE



RAIN GARDEN WITH OUTLET

NOT TO SCALE



OUTLET CONTROL STRUCTURE TRASH GRATE

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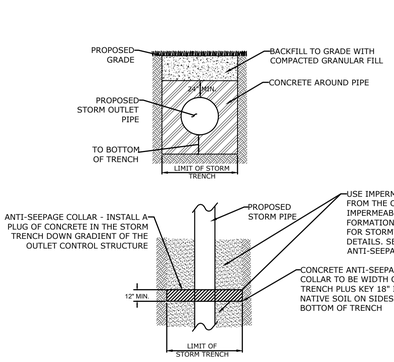

ANTI SEEPAGE COLLAR

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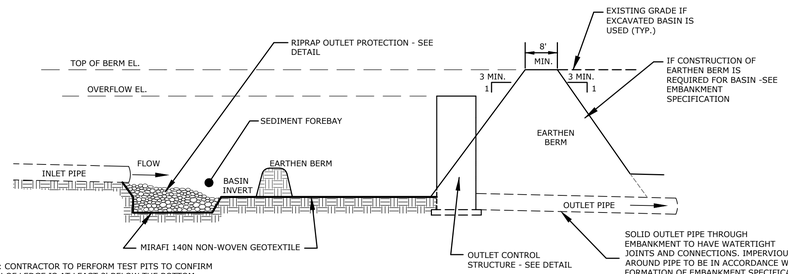
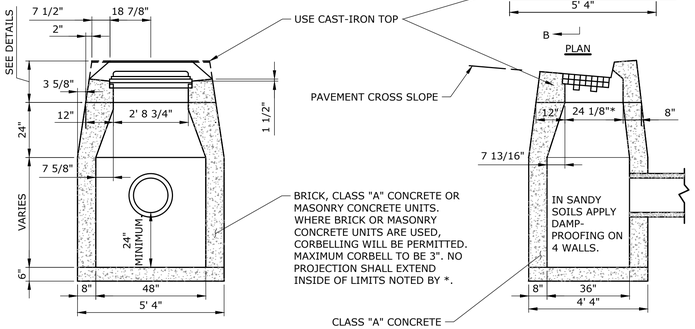


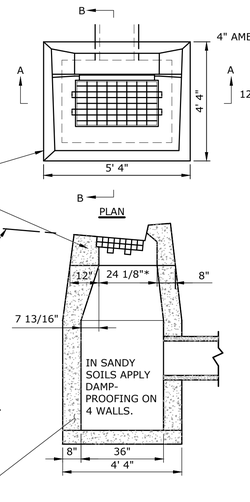
NOTE: CONTRACTOR TO PERFORM TEST PITS TO CONFIRM DEPTH OF LEDGE IS AT LEAST 3' BELOW THE BOTTOM FINISHED GRADE OF THE DETENTION BASIN. LEDGE SHALL BE EXCAVATED AS NECESSARY TO PROVIDE THE 3' VERTICAL SEPARATION. EXCAVATED LEDGE AREAS/VOLUMES ARE TO BE BACKFILLED WITH ASTM C-33 WASHED SAND FILL.

TYPICAL INFILTRATION BASIN DET 140 & DET 160

NOT TO SCALE



SECTION A-A



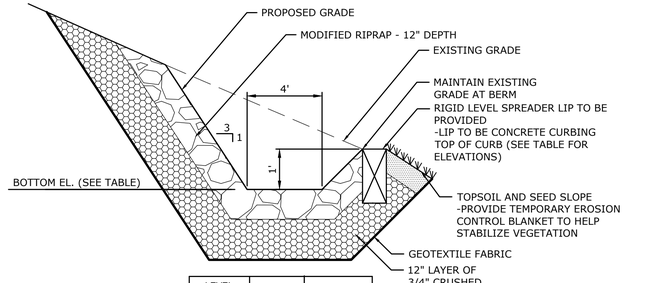
SECTION B-B

NOTES:

1. WHEN CATCH BASIN IS SET IN CONCRETE PAVEMENT, THE 1/2" SLOPE ON THE TOP SURFACE SHALL BE CHANGED TO MATCH ADJOINING PAVEMENT.
2. WHERE PRECAST CONCRETE UNIT IS USED FOR SUMP, THE TOP OF THE UNIT SHALL BE AT LEAST 6" BELOW THE BOTTOM OF THE PIPE OUTLET FROM THE CATCH BASIN.

TYPE "C" CATCH BASIN

NOT TO SCALE



LEVEL SPREADER ID	BOTTOM EL. (FT)	TOP OF CURB EL. (FT)
140	398.0	399.0
150	398.0	400.0
160	401.0	402.0
210	412.5	414.0

LEVEL SPREADER

NOT TO SCALE

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
IWWC RESUBMISSION	2026-02-02	JRH
IWWC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-16	JRH

SITE DETAILS
SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

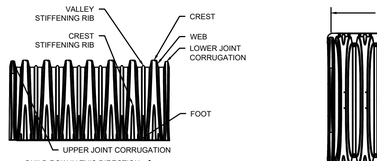
DESIGNED	DRAWN	CHECKED
---	---	---

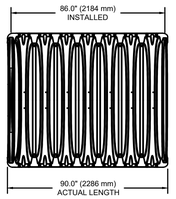
SCALE: AS NOTED
DATE: OCTOBER 9, 2025
PROJECT NO.: 17307.00017
SHEET NO.: 29 OF 31
SHEET NAME: SD-3

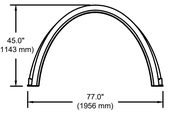
Plotted: Oct 09, 2025 - 2:37pm
Plotted By: Jason Hall
File Name: C:\Users\jhall\SLR International Corporation\Easton Saddle Ridge - Documents\Civil\Sheets\SD-3.dwg

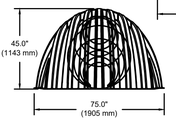
MC-3500 STORMTECH CHAMBER SPECIFICATIONS

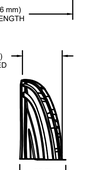
1. CHAMBERS SHALL BE STORMTECH MC-3500.
2. CHAMBERS SHALL BE ARCH-SHAPED AND SHALL BE MANUFACTURED FROM VIRGIN, IMPACT-MODIFIED POLYPROPYLENE COPOLYMERS.
3. CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2418, "STANDARD SPECIFICATION FOR POLYPROPYLENE (PP) CORRUGATED WALL STORMWATER COLLECTION CHAMBERS" CHAMBER CLASSIFICATION 45x76 DESIGNATION SS.
4. CHAMBER ROWS SHALL PROVIDE CONTINUOUS, UNOBSTRUCTED INTERNAL SPACE WITH NO INTERNAL SUPPORTS THAT WOULD IMPEDE FLOW OR LIMIT ACCESS FOR INSPECTION.
5. THE STRUCTURAL DESIGN OF THE CHAMBERS, THE STRUCTURAL BACKFILL, AND THE INSTALLATION REQUIREMENTS SHALL ENSURE THAT THE LOAD FACTORS SPECIFIED IN THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 12.12, ARE MET FOR: 1) LONG-DURATION DEAD LOADS AND 2) SHORT-DURATION LIVE LOADS, BASED ON THE AASHTO DESIGN TRUCK WITH CONSIDERATION FOR IMPACT AND MULTIPLE VEHICLE PRESENCES.
6. CHAMBERS SHALL BE DESIGNED, TESTED AND ALLOWABLE LOAD CONFIGURATIONS DETERMINED IN ACCORDANCE WITH ASTM F2787, "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS". LOAD CONFIGURATIONS SHALL INCLUDE: 1) INSTANTANEOUS (<1 MIN) AASHTO DESIGN TRUCK LIVE LOAD ON MINIMUM COVER 2) MAXIMUM PERMANENT (75-YR) COVER LOAD AND 3) ALLOWABLE COVER WITH PARKED (1-WEEK) AASHTO DESIGN TRUCK.
7. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 450 LBS/FT/%. THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.
8. ONLY CHAMBERS THAT ARE APPROVED BY THE SITE DESIGN ENGINEER WILL BE ALLOWED UPON REQUEST BY THE SITE DESIGN ENGINEER OR OWNER, THE CHAMBER MANUFACTURER SHALL SUBMIT A STRUCTURAL EVALUATION FOR APPROVAL BEFORE DELIVERING CHAMBERS TO THE PROJECT SITE AS FOLLOWS:
   - THE STRUCTURAL EVALUATION SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER.
   - THE STRUCTURAL EVALUATION SHALL DEMONSTRATE THAT THE SAFETY FACTORS ARE GREATER THAN OR EQUAL TO 1.95 FOR DEAD LOAD AND 1.75 FOR LIVE LOAD, THE MINIMUM REQUIRED BY ASTM F2787 AND BY SECTIONS 3 AND 12.12 OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR THERMOPLASTIC PIPE.
   - THE TEST DERIVED CREEP MODULUS AS SPECIFIED IN ASTM F2418 SHALL BE USED FOR PERMANENT DEAD LOAD DESIGN EXCEPT THAT IT SHALL BE THE 75-YEAR MODULUS USED FOR DESIGN.
9. CHAMBERS AND END CAPS SHALL BE PRODUCED AT AN ISO 9001 CERTIFIED MANUFACTURING FACILITY.











NOMINAL CHAMBER SPECIFICATIONS

SIZE (W X H X INSTALLED LENGTH)	77.0" X 45.0" X 86.0"	(1956 mm X 1143 mm X 2184 mm)
CHAMBER STORAGE	109.9 CUBIC FEET	(3.11 m³)
MINIMUM INSTALLED STORAGE*	175.0 CUBIC FEET	(4.96 m³)
WEIGHT	134 lbs.	(60.8 kg)

NOMINAL END CAP SPECIFICATIONS

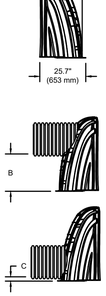
SIZE (W X H X INSTALLED LENGTH)	75.0" X 45.0" X 22.2"	(1905 mm X 1143 mm X 564 mm)
END CAP STORAGE	14.9 CUBIC FEET	(0.42 m³)
MINIMUM INSTALLED STORAGE*	45.1 CUBIC FEET	(1.28 m³)
WEIGHT	49 lbs.	(22.2 kg)

*ASSUMES 12" (305 mm) STONE ABOVE, 9" (229 mm) STONE FOUNDATION, 6" (152 mm) STONE BETWEEN CHAMBERS, 6" (152 mm) STONE PERIMETER IN FRONT OF END CAPS AND 40% STONE POROSITY.

PARTIAL CUT HOLES AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH "B"
PARTIAL CUT HOLES AT TOP OF END CAP FOR PART NUMBERS ENDING WITH "T"
END CAPS WITH A PREFABRICATED WELDED STUB END WITH "W"
END CAPS WITH A WELDED CROWN PLATE END WITH "C"

PART #	STUB	B	C
MC3500IEPP06T	6" (150 mm)	33.21" (844 mm)	---
MC3500IEPP06B		---	0.66" (17 mm)
MC3500IEPP08T	8" (200 mm)	31.16" (791 mm)	---
MC3500IEPP08B		---	0.81" (21 mm)
MC3500IEPP10T	10" (250 mm)	29.04" (738 mm)	---
MC3500IEPP10B		---	0.93" (24 mm)
MC3500IEPP12T	12" (300 mm)	26.36" (670 mm)	---
MC3500IEPP12B		---	1.35" (34 mm)
MC3500IEPP15T	15" (375 mm)	23.39" (594 mm)	---
MC3500IEPP15B		---	1.50" (38 mm)
MC3500IEPP18TC	18" (450 mm)	20.03" (509 mm)	---
MC3500IEPP18TW			
MC3500IEPP18BC		---	1.77" (45 mm)
MC3500IEPP18BW			
MC3500IEPP24TC	24" (600 mm)	14.48" (368 mm)	---
MC3500IEPP24TW			
MC3500IEPP24BC		---	2.06" (52 mm)
MC3500IEPP24BW			
MC3500IEPP30BC	30" (750 mm)	---	2.75" (70 mm)

NOTE: ALL DIMENSIONS ARE NOMINAL



CUSTOM PARTIAL CUT INVERTS ARE AVAILABLE UPON REQUEST. INVENTORIED MANIFOLDS INCLUDE 12-24" (300-600 mm) SIZE ON SIZE AND 15-48" (375-1200 mm) ECCENTRIC MANIFOLDS. CUSTOM INVERT LOCATIONS ON THE MC-3500 END CAP CUT IN THE FIELD ARE NOT RECOMMENDED FOR PIPE SIZES GREATER THAN 10" (250 mm). THE INVERT LOCATION IN COLUMN 'B' ARE THE HIGHEST POSSIBLE FOR THE PIPE SIZE.

2 MC-3500 TECHNICAL SPECIFICATIONS

IMPORTANT - NOTES FOR THE BIDDING AND INSTALLATION OF MC-3500 CHAMBER SYSTEM

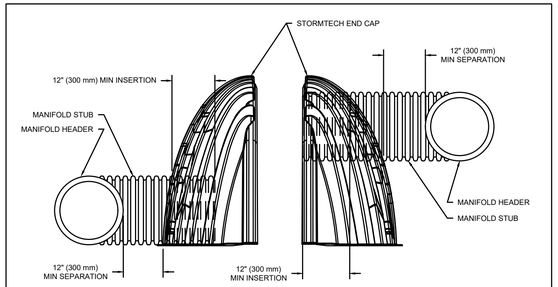
1. STORMTECH MC-3500 CHAMBERS SHALL NOT BE INSTALLED UNTIL THE MANUFACTURER'S REPRESENTATIVE HAS COMPLETED A PRE-CONSTRUCTION MEETING WITH THE INSTALLERS.
2. STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
3. CHAMBERS ARE NOT TO BE BACKFILLED WITH A DOZER OR AN EXCAVATOR SITUATED OVER THE CHAMBERS. STORMTECH RECOMMENDS 3 BACKFILL METHODS:
   - STONESHOOTER LOCATED OFF THE CHAMBER BED.
   - BACKFILL AS ROWS ARE BUILT USING AN EXCAVATOR ON THE FOUNDATION STONE OR SUBGRADE.
   - BACKFILL FROM OUTSIDE THE EXCAVATION USING A LONG BOOM HOE OR EXCAVATOR.
4. THE FOUNDATION STONE SHALL BE LEVELED AND COMPACTED PRIOR TO PLACING CHAMBERS.
5. JOINTS BETWEEN CHAMBERS SHALL BE PROPERLY SEATED PRIOR TO PLACING STONE.
6. MAINTAIN MINIMUM - SPACING BETWEEN THE CHAMBER ROWS.
7. INLET AND OUTLET MANIFOLDS MUST BE INSERTED A MINIMUM OF 12" (300 mm) INTO CHAMBER END CAPS.
8. EMBEDMENT STONE SURROUNDING CHAMBERS MUST BE A CLEAN, CRUSHED, ANGULAR STONE MEETING THE AASHTO M43 DESIGNATION OF #3 OR #4.
9. STONE MUST BE PLACED ON THE TOP CENTER OF THE CHAMBER TO ANCHOR THE CHAMBERS IN PLACE AND PRESERVE ROW SPACING.
10. THE CONTRACTOR MUST REPORT ANY DISCREPANCIES WITH CHAMBER FOUNDATION MATERIALS BEARING CAPACITIES TO THE SITE DESIGN ENGINEER.
11. ADS RECOMMENDS THE USE OF "FLEXSTORM CATCH IT" INSERTS DURING CONSTRUCTION FOR ALL INLETS TO PROTECT THE SUBSURFACE STORMWATER MANAGEMENT SYSTEM FROM CONSTRUCTION SITE RUNOFF.

NOTES FOR CONSTRUCTION EQUIPMENT

1. STORMTECH MC-3500 CHAMBERS SHALL BE INSTALLED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
2. THE USE OF EQUIPMENT OVER MC-3500 CHAMBERS IS LIMITED:
   - NO EQUIPMENT IS ALLOWED ON BARE CHAMBERS.
   - NO RUBBER TIRED LOADER, DUMP TRUCK, OR EXCAVATORS ARE ALLOWED UNTIL PROPER FILL DEPTHS ARE REACHED IN ACCORDANCE WITH THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
   - WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT CAN BE FOUND IN THE "STORMTECH MC-3500/MC-4500 CONSTRUCTION GUIDE".
3. FULL 36" (900 mm) OF STABILIZED COVER MATERIALS OVER THE CHAMBERS IS REQUIRED FOR DUMP TRUCK TRAVEL OR DUMPING.

USE OF A DOZER TO PUSH EMBEDMENT STONE BETWEEN THE ROWS OF CHAMBERS MAY CAUSE DAMAGE TO CHAMBERS AND IS NOT AN ACCEPTABLE BACKFILL METHOD. ANY CHAMBERS DAMAGED BY USING THE "DUMP AND PUSH" METHOD ARE NOT COVERED UNDER THE STORMTECH STANDARD WARRANTY.

CONTACT STORMTECH AT 1-888-892-2694 WITH ANY QUESTIONS ON INSTALLATION REQUIREMENTS OR WEIGHT LIMITS FOR CONSTRUCTION EQUIPMENT.



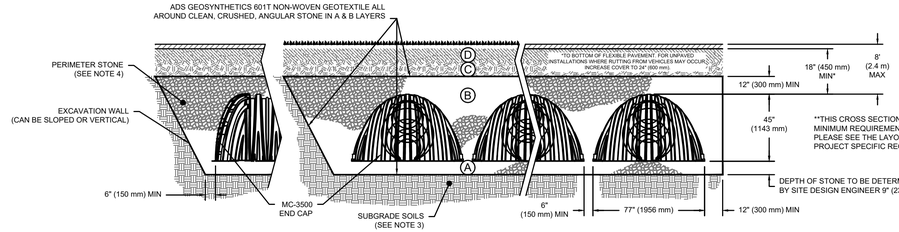
NOTE: MANIFOLD STUB MUST BE LAID HORIZONTAL FOR A PROPER FIT IN END CAP OPENING.

6 MC-SERIES END CAP INSERTION DETAIL

ACCEPTABLE FILL MATERIALS: STORMTECH MC-3500 CHAMBER SYSTEMS

	MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	**FINAL FILL:** FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER	ANY SOIL/ROCK MATERIALS, NATIVE SOILS, OR PER ENGINEER'S PLANS. CHECK PLANS FOR PAVEMENT SUBGRADE REQUIREMENTS.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	**INITIAL FILL:** FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	GRANULAR WELL-GRADED SOIL/AGGREGATE MIXTURES, <35% FINES OR PROCESSED AGGREGATE. MOST PAVEMENT SUBBASE MATERIALS CAN BE USED IN LIEU OF THIS LAYER.	AASHTO M145[1] A-1, A-2-4, A-3 OR AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 18" (450 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 12" (300 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS.
B	**EMBEDMENT STONE:** FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	**FOUNDATION STONE:** FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	CLEAN, CRUSHED, ANGULAR STONE OR RECYCLED CONCRETE[5]	AASHTO M43[1] 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE.[2,3]

PLEASE NOTE:
1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 9" (230 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.
5. WHERE RECYCLED CONCRETE AGGREGATE IS USED IN LAYERS 'A' OR 'B' THE MATERIAL SHOULD ALSO MEET THE ACCEPTABILITY CRITERIA OUTLINED IN TECHNICAL NOTE 6.20 "RECYCLED CONCRETE STRUCTURAL BACKFILL".



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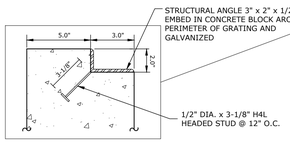
2. MC-3500 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
3. THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
4. PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
5. REQUIREMENTS FOR HANDLING AND INSTALLATION:
   - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
   - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 3".
   - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, a) THE ARCH STIFFNESS CONSTANT AS DEFINED IN SECTION 6.2.8 OF ASTM F2418 SHALL BE GREATER THAN OR EQUAL TO 500 LBS/FT/%. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

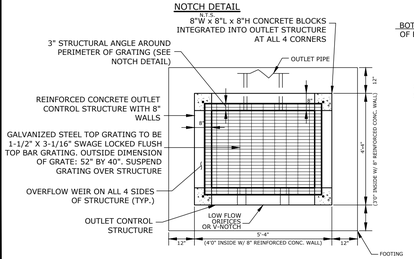
1 MC-3500 CROSS SECTION DETAIL

STORMTECH MC-3500 CHAMBER STANDARD DETAILS

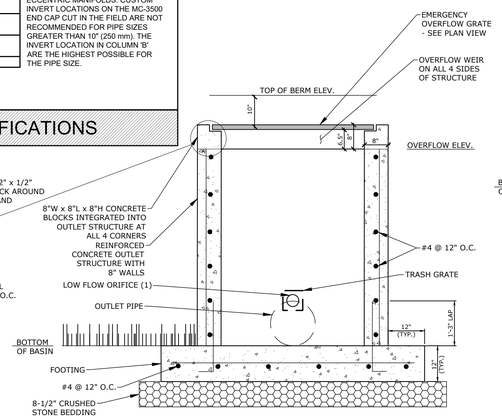
NOT TO SCALE



NOTCH DETAIL
N.T.S.



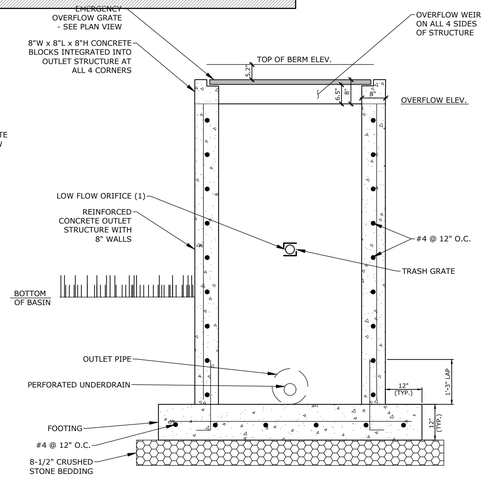
PLAN VIEW
N.T.S.



FRONT VIEW

DET 140

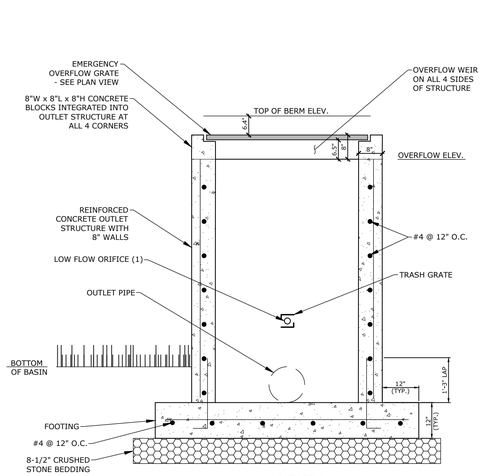
TOP OF BERM ELEVATION	408.0
OVERFLOW ELEVATION	406.5
100-YEAR WATER SURFACE ELEV.	404.8
LOW FLOW ORIFICE DIAMETER (1)	4"
LOW FLOW ORIFICE INVERT (1)	402.10
OUTLET PIPE DIAMETER	15"
OUTLET PIPE INVERT	401.0
BASIN BOTTOM ELEVATION	401.0



FRONT VIEW

DET 150

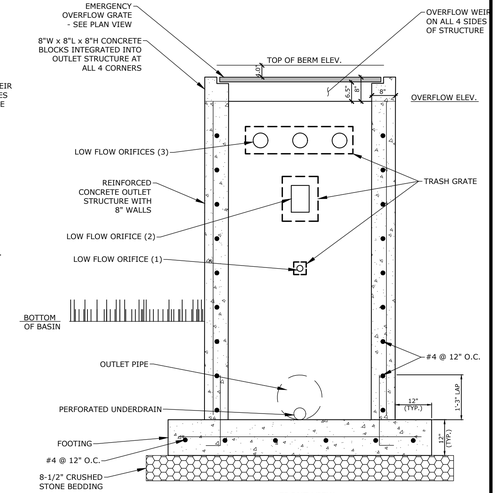
TOP OF BERM ELEVATION	408.0
OVERFLOW ELEVATION	406.9
100-YEAR WATER SURFACE ELEV.	406.6
LOW FLOW ORIFICE DIAMETER (1)	3"
LOW FLOW ORIFICE INVERT (1)	402.7
PERFORATED UNDERDRAIN DIAMETER	4"
PERFORATED UNDERDRAIN INVERT	398.75
OUTLET PIPE DIAMETER	12"
OUTLET PIPE INVERT	398.5
BASIN BOTTOM ELEVATION	401.5



FRONT VIEW

DET 160

TOP OF BERM ELEVATION	410.0
OVERFLOW ELEVATION	408.8
100-YEAR WATER SURFACE ELEV.	409.0
LOW FLOW ORIFICE DIAMETER (1)	2"
LOW FLOW ORIFICE INVERT (1)	404.2
OUTLET PIPE DIAMETER	12"
OUTLET PIPE INVERT	402.0
BASIN BOTTOM ELEVATION	403.0



FRONT VIEW

DET 210

TOP OF BERM ELEVATION	423.0
OVERFLOW ELEVATION	422.2
100-YEAR WATER SURFACE ELEV.	422.0
LOW FLOW ORIFICE DIAMETER (1)	2"
LOW FLOW ORIFICE INVERT (1)	417.4
LOW FLOW ORIFICE DIMENSIONS (2)	6"W x 9"H
LOW FLOW ORIFICE INVERT (2)	419.1
LOW FLOW ORIFICE DIAMETER (3)	5" - 3 ORIF.
LOW FLOW ORIFICE INVERT (3)	420.9
PERFORATED UNDERDRAIN DIAMETER	4"
PERFORATED UNDERDRAIN INVERT	413.25
OUTLET PIPE DIAMETER	15"
OUTLET PIPE INVERT	413.25
BASIN BOTTOM ELEVATION	416.0

DETENTION BASIN OUTLET CONTROL STRUCTURES

SCALE: 1"=2'

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
HWVC RESUBMISSION	2026-02-02	JRH
HWVC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-16	JRH

SITE DETAILS

SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
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SCALE: AS NOTED

DATE: OCTOBER 9, 2025

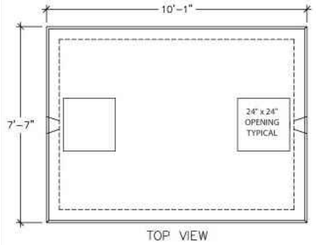
PROJECT NO.: 17307.00017

SHEET NO.: 30 OF 31

SHEET NAME: SD-4

Printed By: Jonathan Hall
Date/Time: Oct 09, 2025 - 2:17pm
File Name: C:\Users\jhall\Documents\17307.00_SR_Cluster_Subdivision_revit_central_JRH.rvt

2500 GALLON HS-20 PRE-TREATMENT

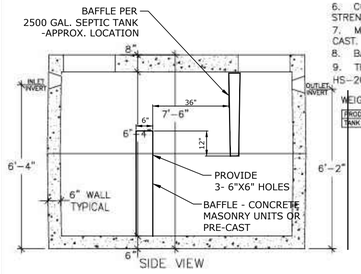


TOP VIEW

TANK DESIGN SPECIFICATIONS CONFORMS TO LATEST: ASTM DESIGNATION C913

NOTES:

1. JOINT SEALANT IS BUTYL RUBBER MASTIC TYPE SEAL THAT CONFORMS TO LATEST AASHTO SPECIFICATION M-198. MEETS FEDERAL SPECIFICATION SS-S-0021(210-A).
2. PIPE INLET AND OUTLET LOCATIONS HAVE POLYLOK II PIPE SEALS, TYPICAL. CUSTOM KNOCKOUTS CAN BE CAST ON REQUEST.
3. WHEN SPECIFIED THE TANK EXTERIOR IS COATED WITH BAY OIL, "EBONY" OR EQUAL.
4. WHEN SPECIFIED THE TANK INTERIOR IS COATED WITH FLOROK EPOXY OR EQUAL.
5. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615.
6. CONCRETE COMPRESSIVE STRENGTH- 4000 PSI AT 28 DAYS.
7. METHOD OF MANUFACTURE: WET CAST.
8. BASE SECTION IS MONOLITHIC.
9. THE TANK IS DESIGNED FOR HS-20 LOADING w/18" OF SOIL COVER.

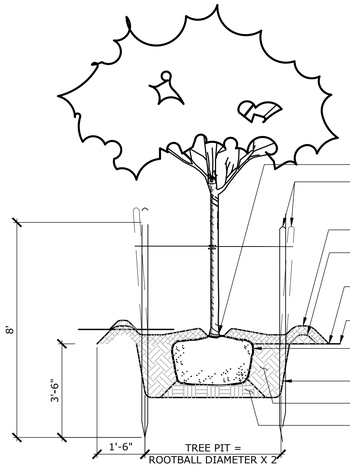


SIDE VIEW

WEIGHT CHART

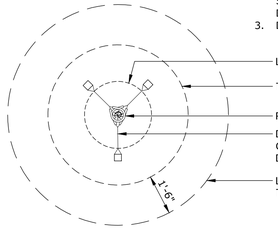
PRODUCT	APPROX WEIGHT
TANK	29200 LBS.

UNITED CONCRETE PRODUCTS INC.
173 CHURCH STREET YALESVILLE, CT 06492 TEL. 800 234-3119 (203) 269-3119 FAX. (203) 265-4941



SECTION

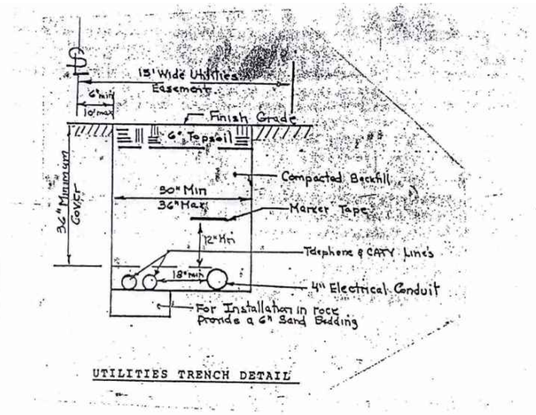
NOTES:
1. SUPPORT POSTS SHALL BE REMOVED BY THE CONTRACTOR ONE YEAR AFTER INSTALLATION
2. WHERE TREES ARE PLANTED IN COMPACTED SOILS CONTRACTOR TO INSURE PLANT PIT DRAINS 1.5"/ HOUR
3. DO NOT COVER TREE TRUNK WITH MULCH



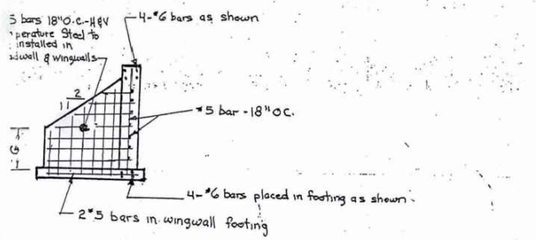
PLAN

TREE PLANTING

NOT TO SCALE

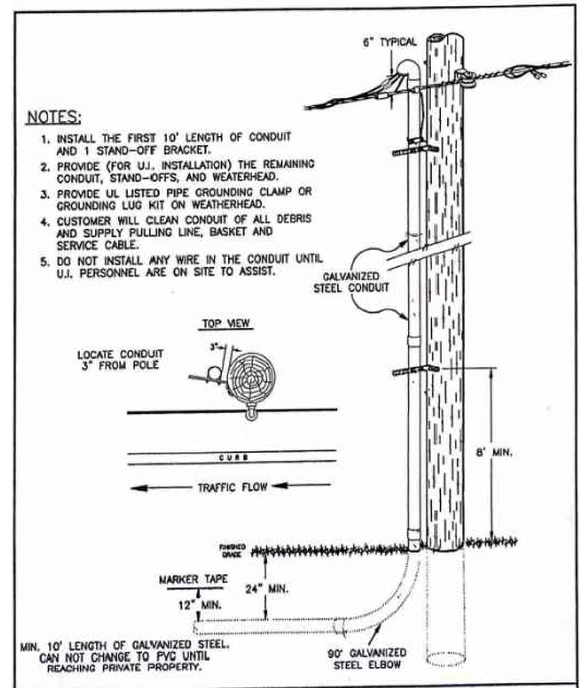


UTILITIES TRENCH DETAIL



SIDE ELEVATION

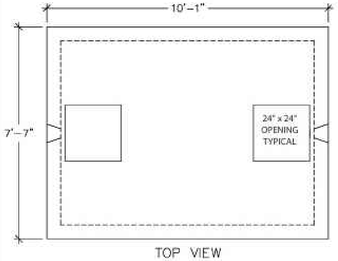
NTS



GUIDEBOOK STANDARD #24

UNDERGROUND SERVICES FROM WOOD POLES

1500 GALLON HS-20 PRE-TREATMENT

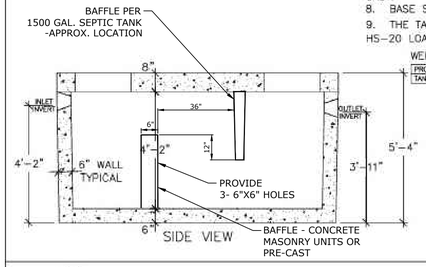


TOP VIEW

TANK DESIGN SPECIFICATIONS CONFORMS TO LATEST: ASTM DESIGNATION C913

NOTES:

1. JOINT SEALANT IS BUTYL RUBBER MASTIC TYPE SEAL THAT CONFORMS TO LATEST AASHTO SPECIFICATION M-198. MEETS FEDERAL SPECIFICATION SS-S-0021(210-A).
2. PIPE INLET AND OUTLET LOCATIONS HAVE POLYLOK II PIPE SEALS, TYPICAL. CUSTOM KNOCKOUTS CAN BE CAST ON REQUEST.
3. WHEN SPECIFIED THE TANK EXTERIOR IS COATED WITH BAY OIL, "EBONY" OR EQUAL.
4. WHEN SPECIFIED THE TANK INTERIOR IS COATED WITH FLOROK EPOXY OR EQUAL.
5. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615.
6. CONCRETE COMPRESSIVE STRENGTH- 4000 PSI AT 28 DAYS.
7. METHOD OF MANUFACTURE: WET CAST.
8. BASE SECTION IS MONOLITHIC.
9. THE TANK IS DESIGNED FOR HS-20 LOADING w/18" OF SOIL COVER.



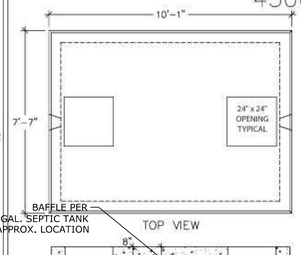
SIDE VIEW

WEIGHT CHART

PRODUCT	APPROX WEIGHT
TANK	23800 LBS.

UNITED CONCRETE PRODUCTS INC.
173 CHURCH STREET YALESVILLE, CT 06492 TEL. 800 234-3119 (203) 269-3119 FAX. (203) 265-4941

4500 GALLON HS-20 PRE-TREATMENT



TOP VIEW

TANK DESIGN SPECIFICATIONS CONFORMS TO LATEST: ASTM DESIGNATION C913

NOTES:

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8. BASE SECTION IS MONOLITHIC.
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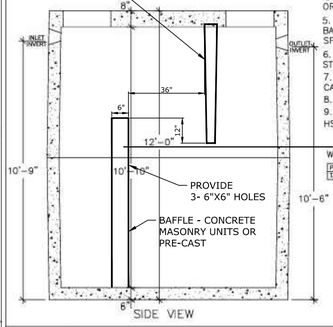
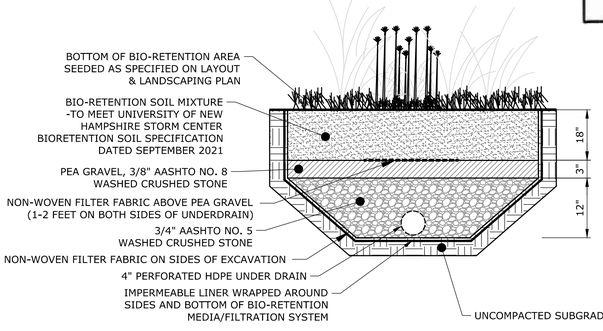


SIDE VIEW

WEIGHT CHART

PRODUCT	APPROX WEIGHT
TANK	40500 LBS.

UNITED CONCRETE PRODUCTS INC.
173 CHURCH STREET YALESVILLE, CT 06492 TEL. 800 234-3119 (203) 269-3119 FAX. (203) 265-4941

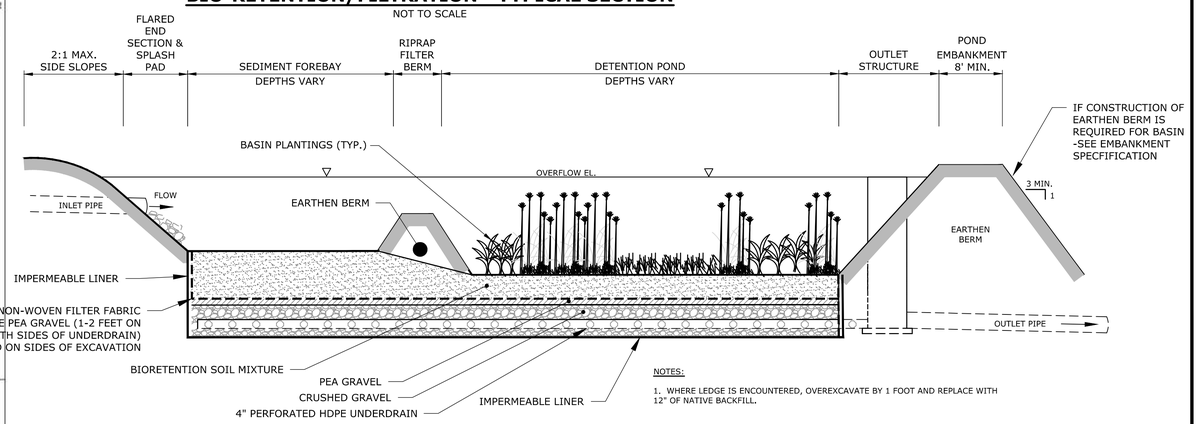


NOTE:

BIO-RETENTION/FILTRATION DETAILS ARE BASED ON 2024 CONNECTICUT WATER QUALITY MANUAL AND UNIVERSITY OF NEW HAMPSHIRE STORM CENTER DETAILS

BIO-RETENTION/FILTRATION - TYPICAL SECTION

NOT TO SCALE



NOTES:

1. WHERE LEDGE IS ENCOUNTERED, OVEREXCAVATE BY 1 FOOT AND REPLACE WITH 12" OF NATIVE BACKFILL.

BIO-RETENTION/FILITRATION BASIN SYSTEM DET 150 & DET 210

NOT TO SCALE

SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
HWYC RESUBMISSION	2026-02-02	JRH
HWYC RESUBMISSION	2026-02-13	JRH
REVISIONS	2026-03-02	JRH
LOT REDUCTION REVISIONS	2026-05-16	JRH

SITE DETAILS
SADDLE RIDGE CLUSTER RESUBDIVISION
SITE PLANS
SPORT HILL ROAD & CEDAR HILL ROAD
EASTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
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SCALE: AS NOTED

DATE: OCTOBER 9, 2025

PROJECT NO.: 17307.00017

SHEET NO.: 31 OF 31

SHEET NAME: SD-5