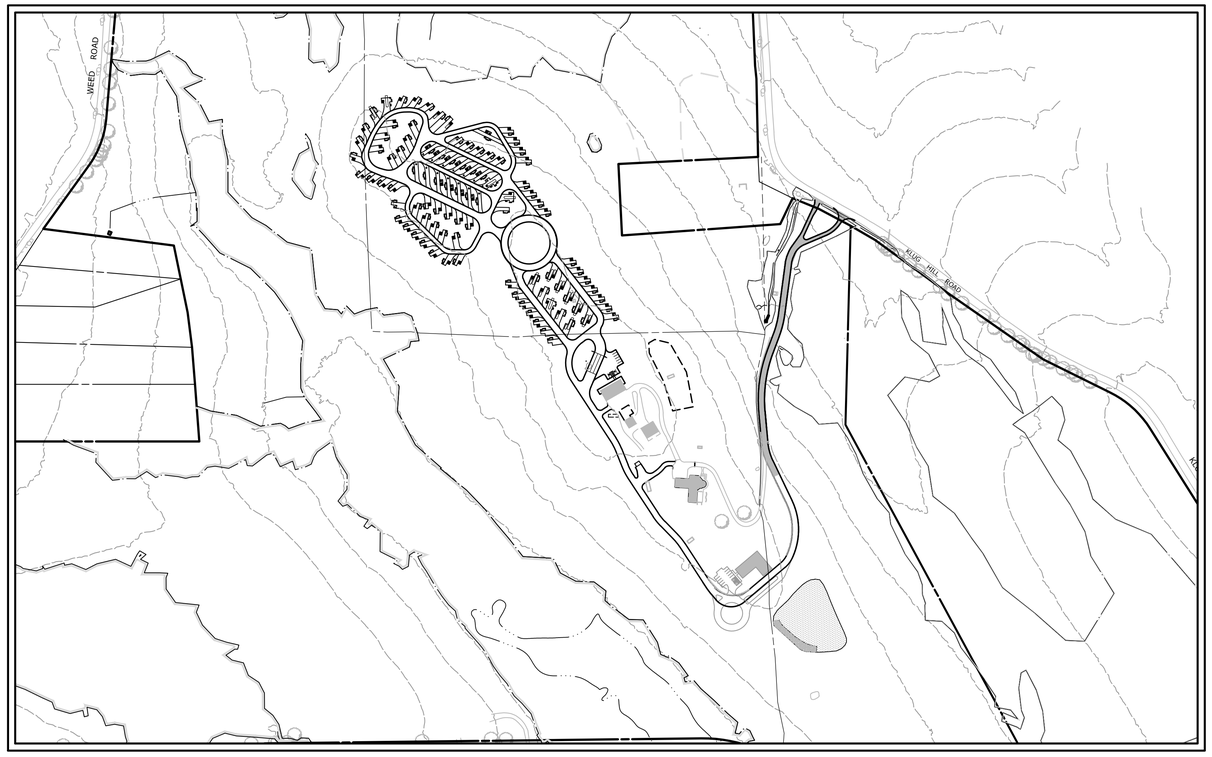
SKYRIDGE TRAILS CAMPGROUND

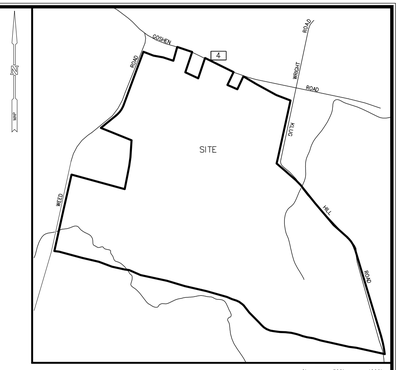
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

REGULATORY SUBMISSION
NOVEMBER 9, 2022
LAST REVISED: MARCH 6, 2023



PROJECT SITE VICINITY MAP:

0' 125' 250'
0 1/2" 1"
SCALE 1" = 250'



LOCATION MAP:

GENERAL NOTES

1. BOUNDARY INFORMATION IS BASED UPON A FIELD SURVEY CONDUCTED BY SLR AND TOPOGRAPHIC INFORMATION IS BASED ON GIS WITH LIMITED FIELD TOPO.
2. 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.
3. THE EXACT LOCATION AND SIZE OF ELECTRIC, TELEPHONE AND CABLE TELEVISION ARE TO BE DETERMINED BY THE RESPECTIVE UTILITY COMPANIES.
4. ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
5. 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 - 2002, AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.
6. ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 6" TOPSOIL AND BE SEEDED WITH GROUND COVER SEED MIX, AS SHOWN ON THE PLANS, ALL VEGETATIVE ESTABLISHMENT SHALL CONFORM TO THE "STANDARDS FOR ORGANIC LAND CARE, NORA CONNECTICUT 2011," AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.
7. 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.
8. ALL STORM DRAIN PIPE HDPE UNLESS OTHERWISE INDICATED.
9. ALL PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATE FINISHED GRADE.
10. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE CITY OF TORRINGTON REQUIREMENTS AND TO THE APPLICABLE SECTIONS OF THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, FACILITIES AND INCIDENTAL CONSTRUCTION, FORM 818 AND ADDENDUMS
11. 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.
12. COMPLIANCE WITH THE PERMIT CONDITIONS IS THE RESPONSIBILITY OF BOTH THE CONTRACTOR AND THE PERMITTEE.
13. THE PROPERTY OWNER MUST MAINTAIN (REPAIR/REPLACE WHEN NECESSARY) THE SILTATION CONTROL UNTIL ALL DEVELOPMENT ACTIVITY IS COMPLETED AND ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
14. A SUPPLY OF ABSORBENT SPILL RESPONSE MATERIAL SHOULD BE KEPT ON-SITE TO CLEAN UP ANY SPILLS OF HAZARDOUS MATERIALS.
15. A NATIVE WILDFLOWER PLANTING MIX OR APPROVED EQUAL TO BE USED ON ALL STEEP SLOPES, SEPTIC LEACHING AREAS AND DETENTION BASINS.

CONSTRUCTION SEQUENCE

1. PRIOR TO COMMENCEMENT OF WORK A PRECONSTRUCTION MEETING SHALL BE HELD WITH CITY 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.
2. CONTRACTOR TO STAKE OUT LIMIT OF DISTURBANCE AND VEGETATION TO BE RETAINED. NO DISTURBANCE IS TO TAKE PLACE BEYOND THE LIMITS OF WORK SHOWN.
3. CONTRACTOR TO INSTALL SEDIMENT AND EROSION CONTROLS ALONG THE PERIMETER, AND STABILIZED CONSTRUCTION ENTRANCES.
4. CLEAR AND GRUB SITE AND STOCKPILE TOPSOIL. PLACE SEDIMENT FILTER FENCE AND HAYBALES AROUND STOCKPILES.
5. CONTRACTOR TO INSTALL TEMPORARY SEDIMENT TRAPS PER THE SEDIMENT AND EROSION CONTROL PLAN.
6. INITIATE MASS EARTHWORK OPERATIONS AFTER ALL BASINS, BERMS, SWALES, SILT FENCE & HAYBALES ARE INSTALLED
7. INSTALL UTILITIES, RV SITES AND PARKING LOTS/DRIVEWAYS WHERE NOTED ON THE PLANS.
8. SLOPES ARE TO BE ESTABLISHED AS SOON AS PRACTICAL BEFORE UTILITY INSTALLATION. STABILIZE ALL SLOPES IMMEDIATELY AFTER THEIR ESTABLISHMENT.
9. THE SEDIMENT AND EROSION CONTROL PLAN SHALL BE MODIFIED BY THE CONTRACTOR AT THE DIRECTION OF THE ENGINEER AND DESIGNATED CITY REPRESENTATIVE AS NECESSITATED BY CHANGING SITE CONDITIONS.

GENERAL CONSTRUCTION NOTES

1. TEMPORARY SEDIMENT BASINS SHALL BE INSPECTED 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. CLEAN THE SEDIMENT BASIN WHEN SEDIMENT ACCUMULATION EXCEEDS ONE HALF THE WET STORAGE CAPACITY OF THE BASIN.
2. SEDIMENT AND EROSION CONTROLS SHALL BE INSPECTED 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.
3. INSPECTION OF THE SITE FOR EROSION SHALL CONTINUE FOR A PERSON OF THREE MONTHS AFTER COMPETITION WHEN RAINFALLS OF ONE INCH OR MORE OCCUR.
4. THE SITE SHOULD BE KEPT CLEAN OF LOOSE DEBRIS, LITTER AND BUILDING MATERIALS SUCH THAT NONE OF THE ABOVE ENTER WATERS OR WETLANDS.
5. A COPY OF ALL PLANS AND REVISIONS, AND THE SEDIMENT AND EROSION CONTROL PLAN SHALL BE MAINTAINED ON-SITE AT ALL TIMES DURING CONSTRUCTION.

OPERATION AND MAINTENANCE PLAN (POST-CONSTRUCTION)

1. ALL CATCH BASIN SUMPS SHOULD BE INSPECTED TWO TIMES PER YEAR AND SEDIMENT REMOVED WHEN IT EXTENDS TO WITHIN SIX INCHES OF THE OUTLET PIPE INVERT, NOT LESS THAN ONCE PER YEAR. THE SEDIMENT SHALL BE DISPOSED OF IN AN APPROVED LOCATION.
2. A VEGETATIVE OR IMPROVED COVER SHALL BE MAINTAINED ON ALL EARTH SURFACES TO MINIMIZE SOIL EROSION. USE OF FERTILIZER SHOULD BE MINIMIZED AND APPLIED USING PRUDENT APPLICATION PROCEDURES.
3. A LOG OF ALL INSPECTION AND CLEANING SHALL BE MAINTAINED BY THE OCCUPANT AND BE AVAILABLE FOR INSPECTION.
4. DURING CONSTRUCTION AND FOR THREE MONTHS AFTER PROJECT COMPLETION INSPECTION OF SEDIMENT AND EROSION CONTROL MEASURES SHALL BE MADE ON A WEEKLY BASIS AND AFTER RAINFALL EVENTS OF 1/2" OR GREATER. A LOG OF SUCH INSPECTIONS SHALL BE MAINTAINED AT THE SITE.

OWNER:

GREENSTONE INVESTMENTS, INC
232 KLUG HILL ROAD
TORRINGTON, CT 06790

APPLICANT:

LELAH CAMPO
COZY HILLS II CAMPGROUND
1311 BANTAM ROAD
BANTAM, CT 06750

PROJECT DATA

EXISTING ZONE:	R-60
PROPOSED USE:	RECREATIONAL VEHICLE PARK
TOTAL PARCEL AREA:	±184.44 AC.
TOTAL PROPOSED RV SITES:	92 SITES

R-60 -DIMENSIONAL CRITERIA	REQ'D/PERMITTED	PROPOSED/PROVIDED
LOT AREA	60,000 SF (MIN)	±184.44 AC.
LOT WIDTH	200' (MIN)	>200'
FRONT YARD SETBACK	50' (MIN)	>50'
SIDE YARD SETBACK	25' (MIN)	>25'
REAR YARD SETBACK	100' (MIN)	>100'
IMPERVIOUS SURFACE RATIO	30% (MAX)	<30%
BUILDING COVERAGE RATIO	10% (MAX)	<10%

RV PARK -DIMENSIONAL CRITERIA	REQ'D/PERMITTED	PROPOSED/PROVIDED
LOT AREA	25 AC. (MIN)	±225.87 AC.
PARK DENSITY	1 SITE PER 40,000 SF (MIN)	1 SITE PER ±87,327 SF
RV SITE AREA	1500 SF (30' W X 50' D) (MIN)	>1500 SF PER SITE
SETBACK FROM ANY PROPERTY LINE	100' (MIN)	>100'
COMMON RECREATION AREA	150 SF PER SITE (MIN)	> 150 SF PER SITE

811
Know what's **below.**
Call before you dig.
www.cbyd.com

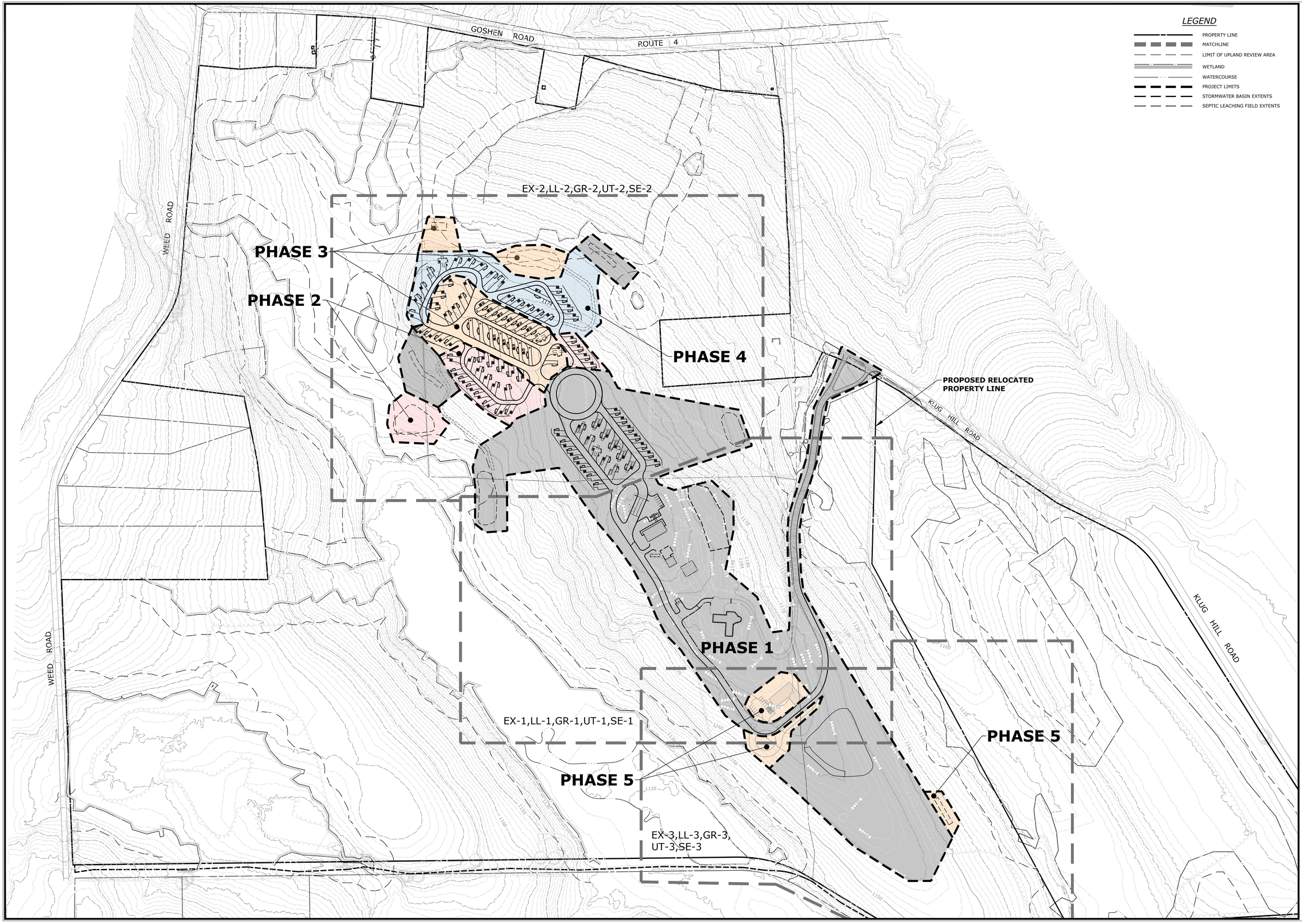
PREPARED BY:

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

STATE OF CONNECTICUT
RYAN J MCEVOY
No. PEN.0025786
LICENSED
PROFESSIONAL ENGINEER

LIST OF DRAWINGS

NO.	NAME	TITLE
01	--	TITLE SHEET
02	IN	INDEX & PHASING PLAN
03 - 05	EX-1 - 3	EXISTING CONDITIONS
06 - 08	LL-1 - 3	SITE PLAN - LAYOUT
09 - 11	GR-1 - 3	SITE PLAN - GRADING
12 - 14	UT -1-3	SITE PLAN - UTILITIES
15 - 17	SE-1 - 3	SEDIMENT AND EROSION CONTROL PLAN
18 - 19	PP-1 - 2	SITE PLAN - PLAN & PROFILE
20 - 21	SD-1 - SD-2	SEPTIC SYSTEM - SOIL TESTING RESULTS
22	SD-3	SEPTIC SYSTEM - MLSS DATA TABLE
23 - 25	SD-4 - SD-6	SEPTIC SYSTEM - SEPTIC DESIGN & CROSS SECTIONS
26 - 30	SD-7 - SD-11	SITE DETAILS



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DESCRIPTION	DATE	BY
BASIN & LEACHING FIELD AREAS	1/10/2023	ACD
ADDITION OF PHASE 3	2/06/2023	ACD
REVISED PHASING	4/13/2023	ACD
LAYOUT CHANGES	8/7/2023	ACD
SEPTIC CHANGES	8/31/2023	ACD
SITE REVISIONS	3/6/2024	ACD

INDEX & PHASING PLAN

SKYRIDGE TRAILS
CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

RJM	ACD	RJM
DESIGNED	DRAWN	CHECKED

SCALE: 1"=150'

DATE: NOVEMBER 9, 2022

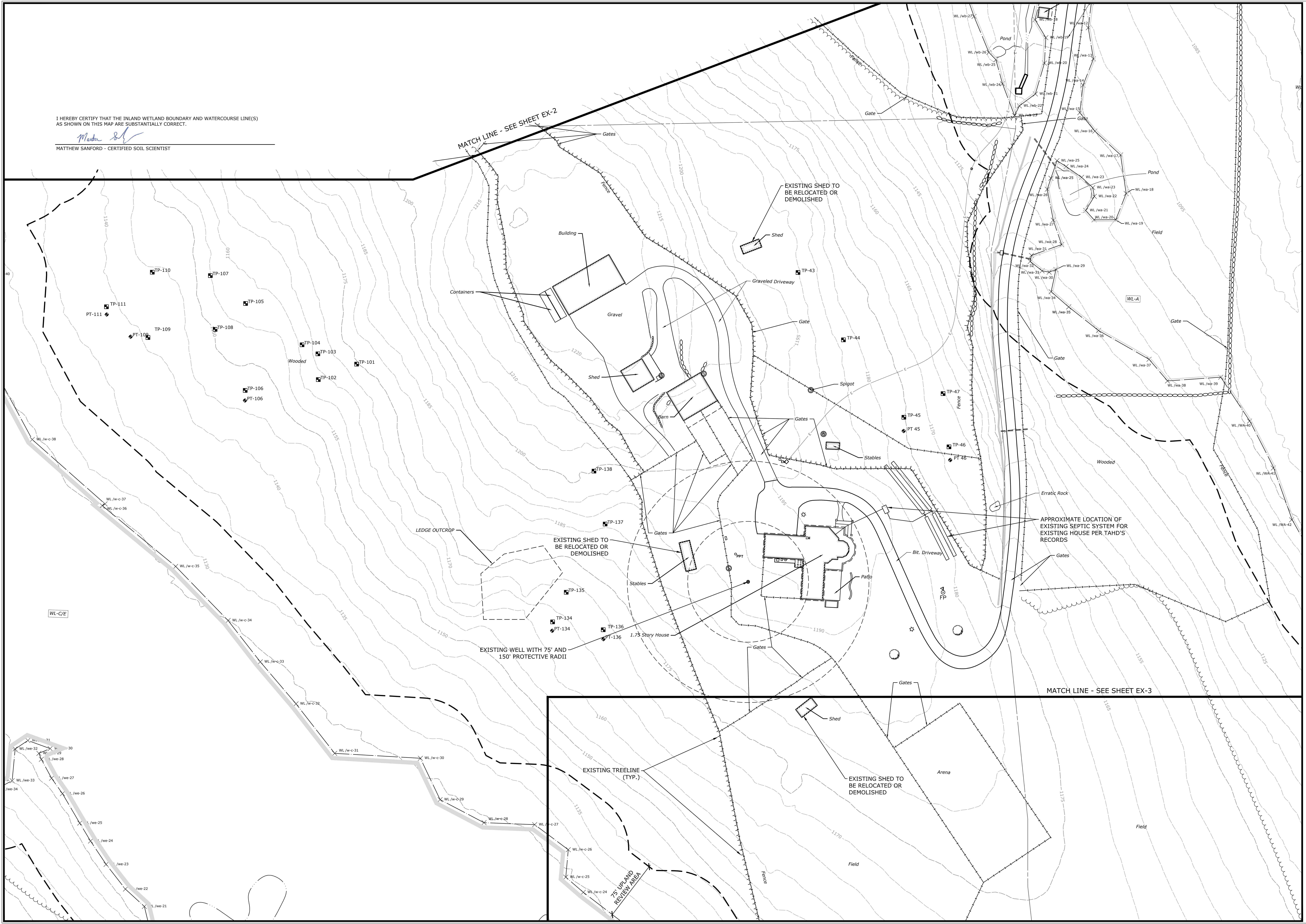
PROJECT NO.: 20174.00002

SHEET NO.: 02 OF 30

SHEET NAME: IN

I HEREBY CERTIFY THAT THE INLAND WETLAND BOUNDARY AND WATERCOURSE LINE(S) AS SHOWN ON THIS MAP ARE SUBSTANTIALLY CORRECT.

MATTHEW SANFORD - CERTIFIED SOIL SCIENTIST



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DESCRIPTION	DATE	BY
REVISIONS	1/10/2023	ACD
EX-3 MATCHLINE	4/13/2023	ACD

SITE PLAN - EXISTING CONDITIONS

SKYRIDGE TRAILS CAMPGROUND

232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
ACD	ACD	RJM

SCALE: 1"=50'

DATE: NOVEMBER 9, 2022

PROJECT NO.: 20174.00002

SHEET NO.: 03 OF 30

SHEET NAME: EX-1

I HEREBY CERTIFY THAT THE INLAND WETLAND BOUNDARY AND WATERCOURSE LINE(S)
AS SHOWN ON THIS MAP ARE SUBSTANTIALLY CORRECT.

MATTHEW SANFORD - CERTIFIED SOIL SCIENTIST

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DESCRIPTION	DATE	BY
TYPO FIX	1/10/2023	ACD

SITE PLAN - EXISTING CONDITIONS

SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	ACD	RJM
DESIGNED	DRAWN	CHECKED

SCALE: 1"=50'
DATE: NOVEMBER 9, 2022
PROJECT NO. 20174.00002
SHEET NO. 04 OF 30
SHEET NAME: EX-2

MATCH LINE - SEE SHEET EX-1

EXISTING TREELINE (TYP.)

EXISTING SHED TO BE RELOCATED OR DEMOLISHED

75' UPLAND REVIEW AREA

Shed

Arena

Fence

Fence

Field

Field

Field

Field

Wooded

Pond

Erratic Rock

WL-A

1110
1115
1120
1125
1130
1135
1140
1145
1150
1155
1160
1165
1170
1175
1180
1185

TP-1
PT-2
TP-2
PT-27
TP-27
TP-28
TP-3
PT-4
TP-4
PT-5
TP-5
TP-6
PT-7, PT-7
TP-8
PT-8
TP-9
TP-10
PT-12
TP-12
TP-13
PT-13
PT-14
TP-14
PT-11
TP-11

Driveway in Apparent Use by Southerly Abutter - No Easement Found

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

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DESCRIPTION	DATE	BY

SITE PLAN - EXISTING CONDITIONS

SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	ACD	RJM
DESIGNED	DRAWN	CHECKED

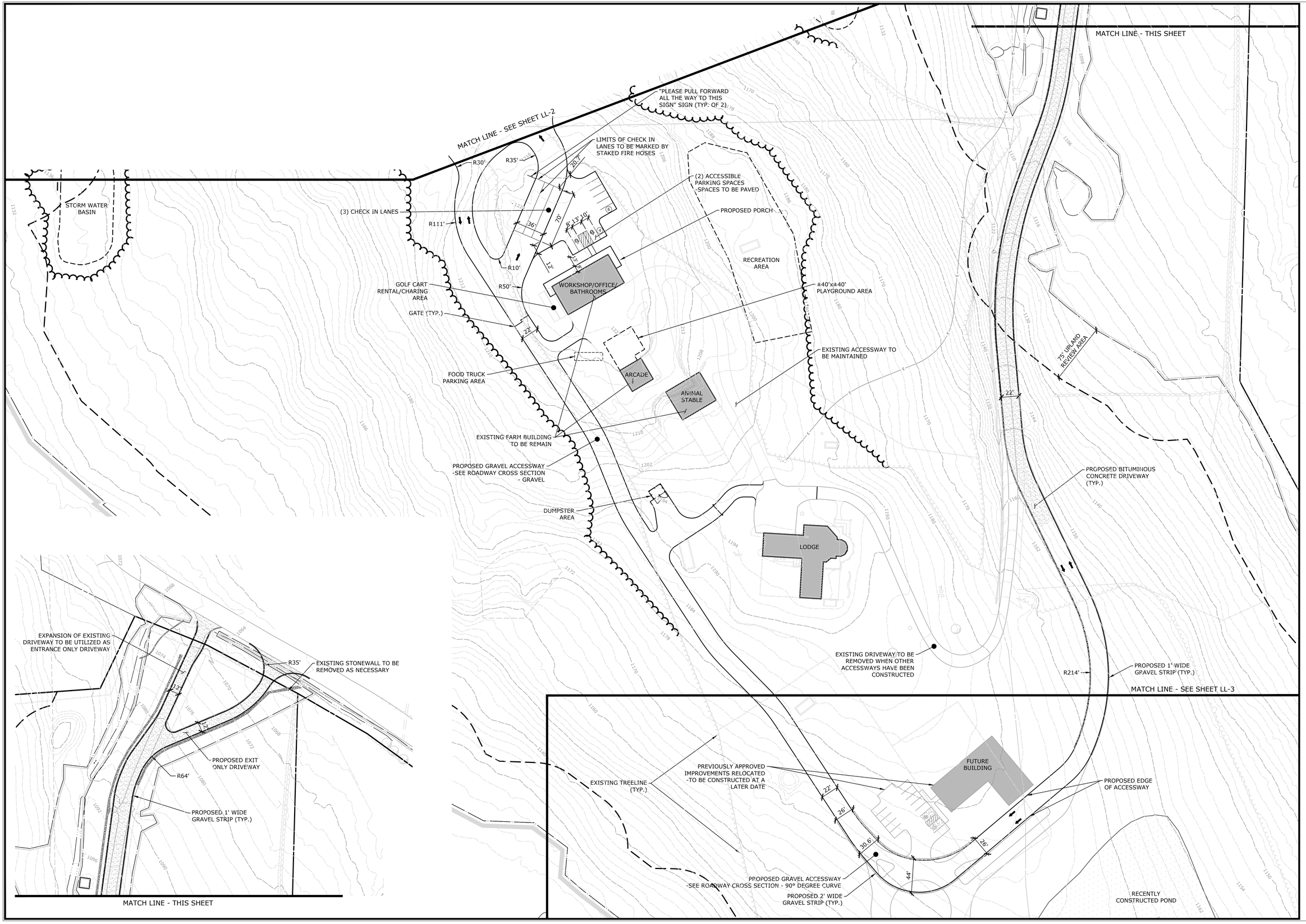
1"=50'
SCALE

APRIL 13, 2023
DATE

20174.00002
PROJECT NO.

05 OF 30
SHEET NO.

EX-3
SHEET NAME



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

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DESCRIPTION	DATE	BY
CITY STAFF COMMENTS	11/9/2023	ACD
EX. UG ELECTRIC CONDUIT	1/23/2023	ACD
DRIVEWAY REVISIONS	2/02/2023	KJG
LAYOUT CHANGES	7/12/2023	ACD
STAFF COMMENTS	8/7/2023	ACD
STAFF COMMENTS	8/17/2023	ACD
SITE REVISIONS	3/06/2024	ACD

SITE PLAN - LAYOUT

SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	ACD	RJM
DESIGNED	DRAWN	CHECKED

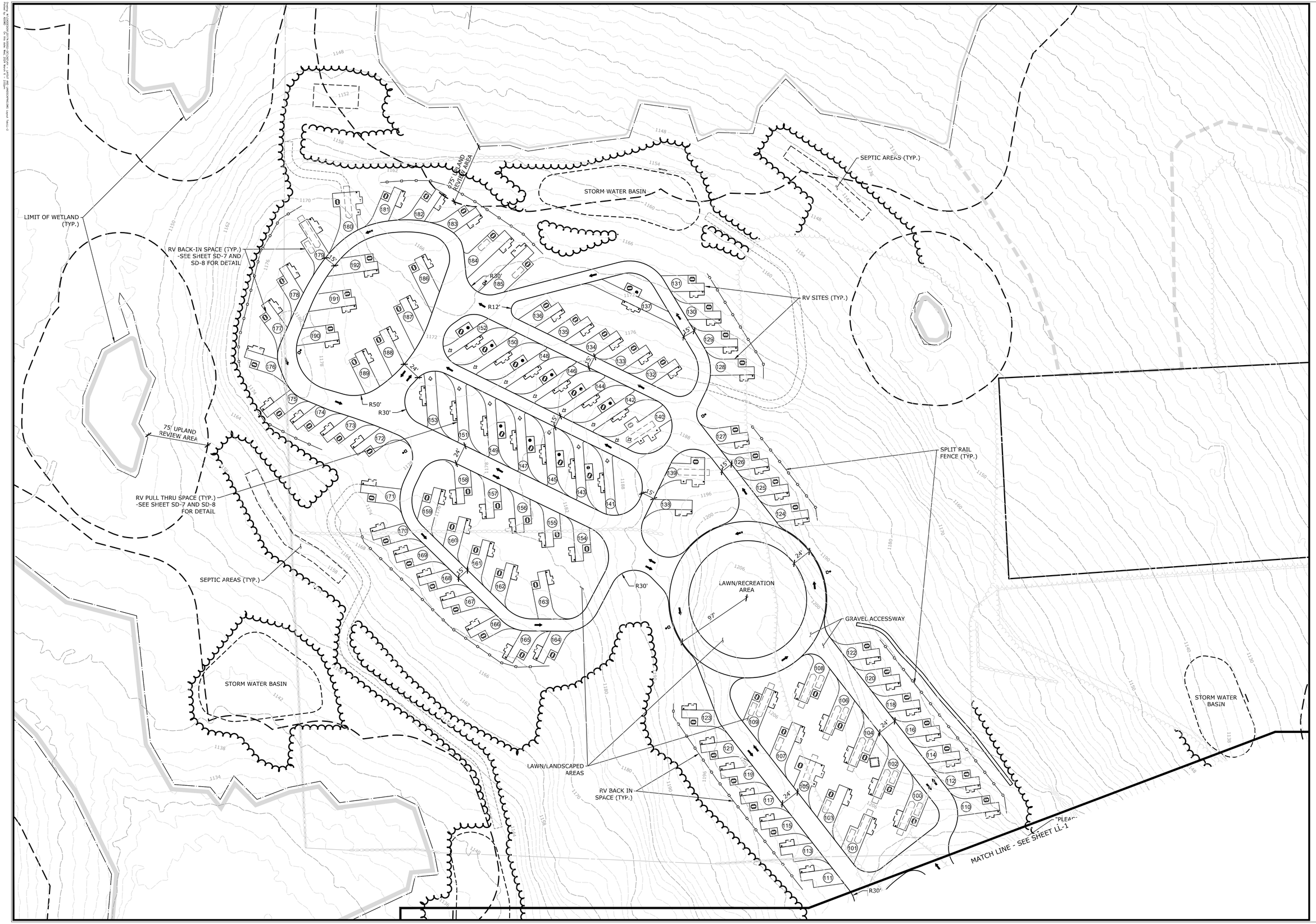
1"=50'
SCALE

NOVEMBER 9, 2022
DATE

20174.00002
PROJECT NO.

06 OF 30
SHEET NO.

LL-1
SHEET NAME



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DESCRIPTION	DATE	BY
CITY STAFF COMMENTS	11/02/2023	ACD
LAYOUT CHANGES	7/12/2023	ACD
SEPTIC CHANGES	8/31/2023	ACD
SITE REVISIONS	3/06/2024	ACD

SITE PLAN - LAYOUT

SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	ACD	RJM
DESIGNED	DRAWN	CHECKED

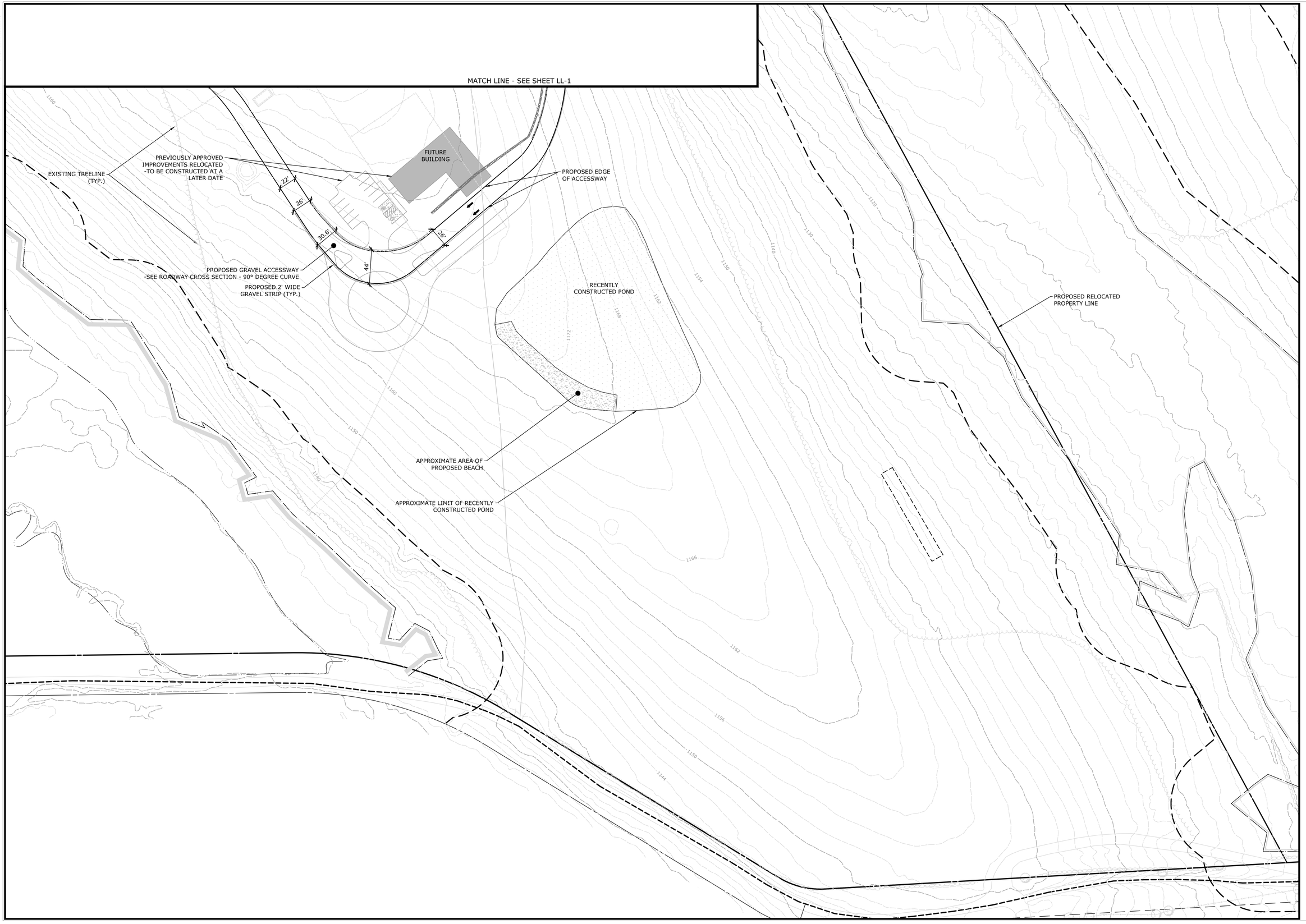
1"=50'
SCALE

NOVEMBER 9, 2022
DATE

20174.00002
PROJECT NO.

07 OF 30
SHEET NO.

LL-2
SHEET NAME



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

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DESCRIPTION	DATE	BY
LAYOUT CHANGES	7/12/2023	ACD
STAFF COMMENTS	8/7/2023	ACD
STAFF COMMENTS	8/7/2023	ACD
SEPTIC CHANGES	8/31/2023	ACD
SITE REVISIONS	3/08/2024	ACD

SITE PLAN - LAYOUT

SKYRIDGE TRAILS CAMPGROUND

232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	ACD	RJM
DESIGNED	DRAWN	CHECKED

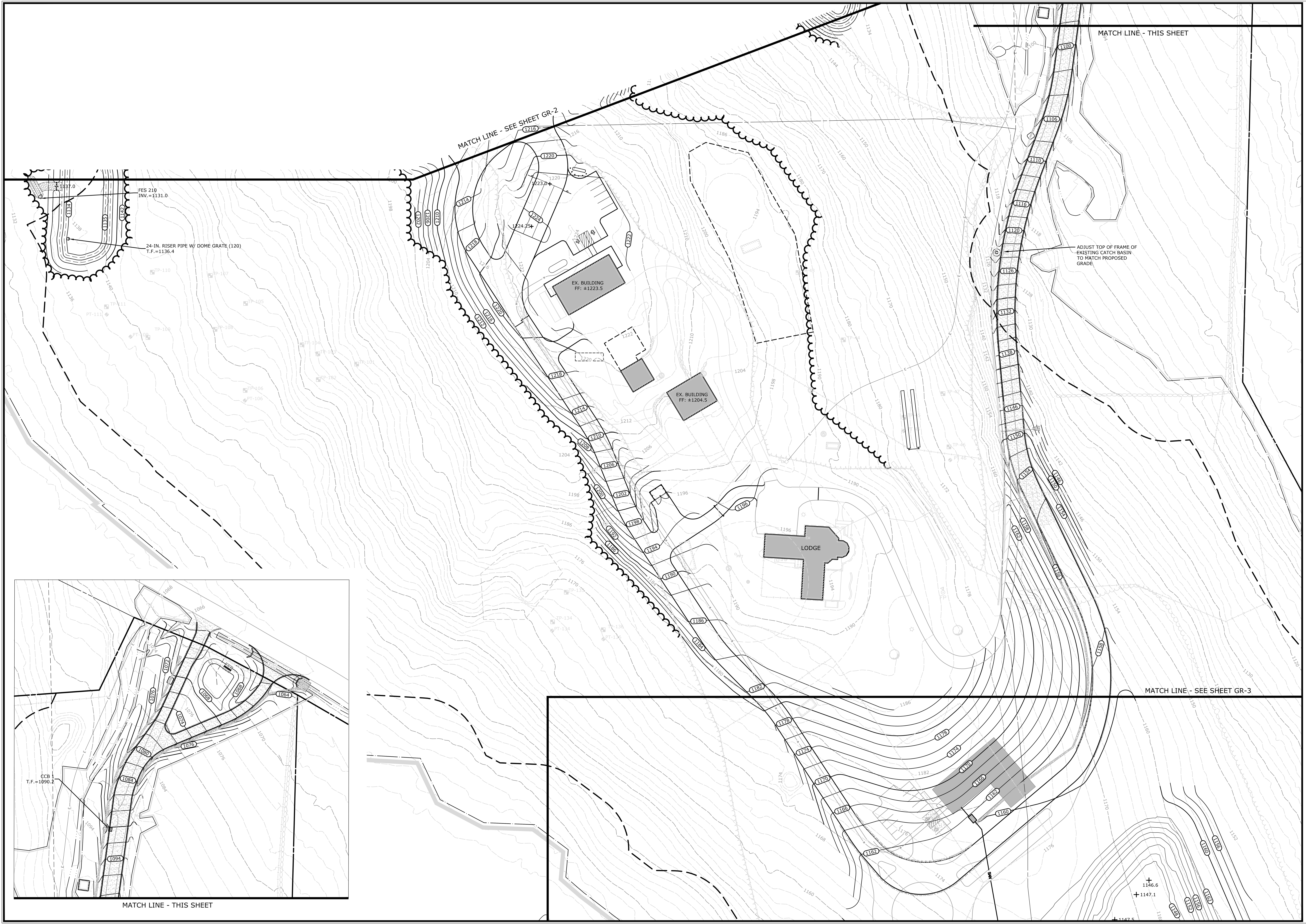
1"=50'
SCALE

APRIL 13, 2023
DATE

20174.00002
PROJECT NO.

08 OF 30
SHEET NO.

LL-3
SHEET NAME



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DESCRIPTION	DATE	BY
LAYOUT CHANGES	4/13/2023	ACD
LAYOUT CHANGES	7/20/2023	ACD
SITE REVISIONS	3/06/2024	ACD

SITE PLAN - GRADING

SKYRIDGE TRAILS CAMPGROUND

232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	ACD	RJM
DESIGNED	DRAWN	CHECKED

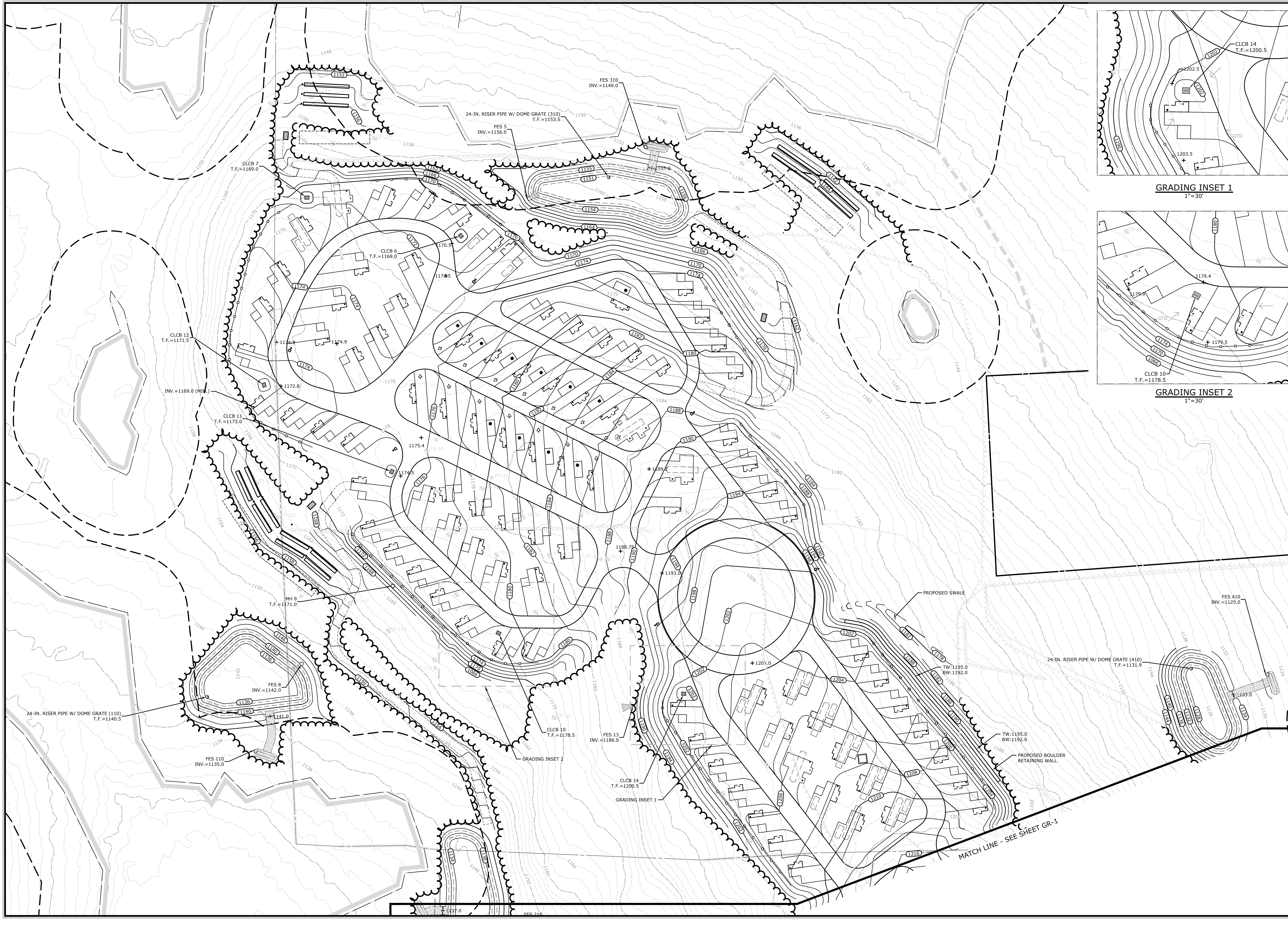
SCALE: 1"=50'

DATE: FEBRUARY 6, 2023

PROJECT NO.: 20174.00002

SHEET NO.: 09 OF 30

SHEET NAME: GR-1



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DESCRIPTION	DATE	BY
PR. GRADING - ROUNDABOUT	05/01/2023	ACD
LAYOUT CHANGES	7/20/2023	ACD
SEPTIC CHANGES	8/31/2023	ACD
SITE REVISIONS	3/06/2024	ACD

SITE PLAN - GRADING

SKYRIDGE TRAILS CAMPGROUND

232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
ACD	ACD	RJM

SCALE: 1"=50'

DATE: FEBRUARY 6, 2023

PROJECT NO.: 20174.00002

SHEET NO.: 10 OF 30

SHEET NAME: GR-2

MATCH LINE - SEE SHEET GR-1

N
E
S
W

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

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DESCRIPTION	DATE	BY
LAYOUT CHANGES	7/20/2023	ACD
SEPTIC CHANGES	8/17/2023	ACD
SITE REVISIONS	3/06/2024	ACD

SITE PLAN - GRADING

SKYRIDGE TRAILS CAMPGROUND

232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	ACD	RJM
DESIGNED	DRAWN	CHECKED

SCALE: 1"=50'

DATE: APRIL 13, 2023

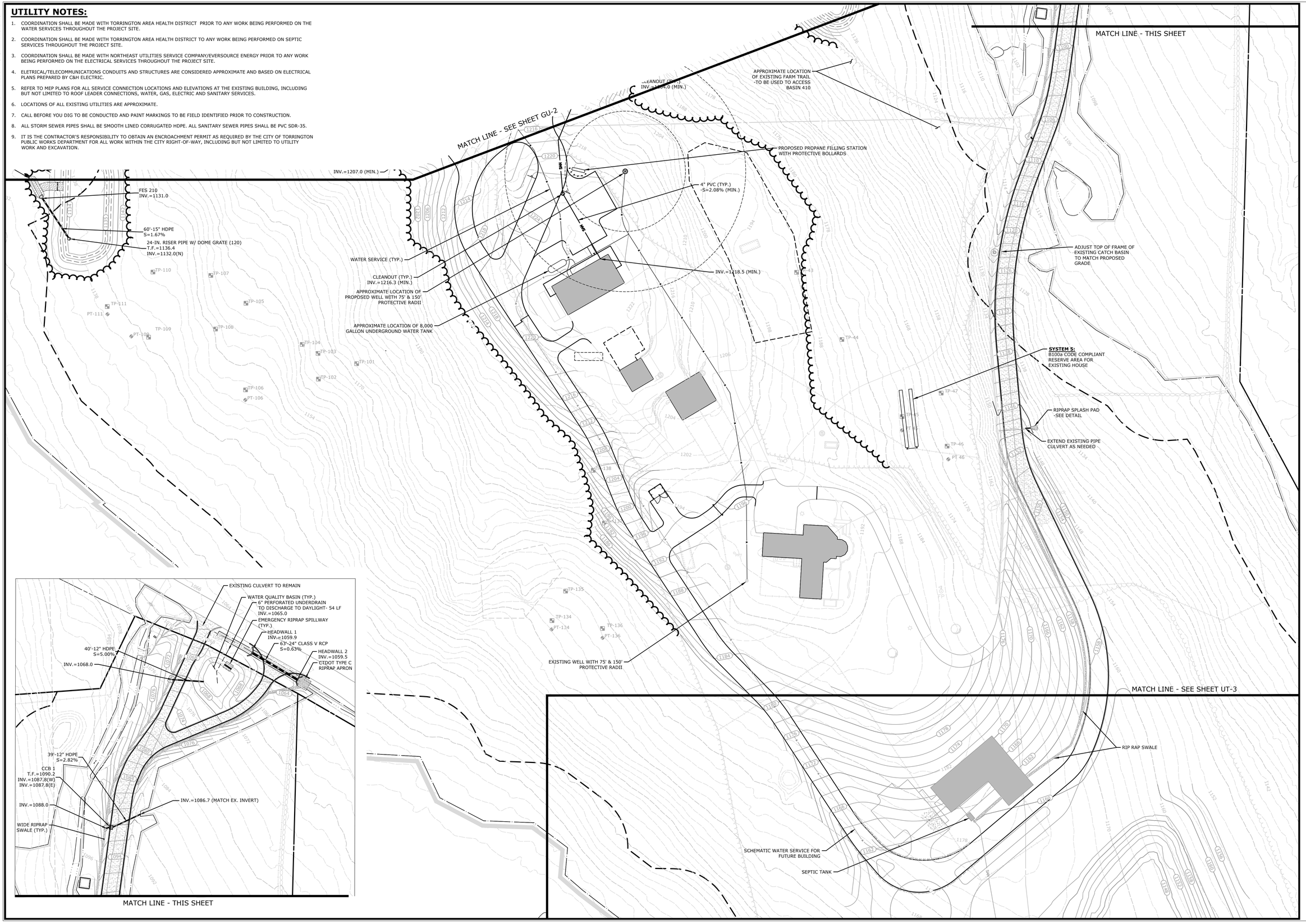
PROJECT NO.: 20174.00002

SHEET NO.: 11 OF 30

SHEET NAME: GR-3

UTILITY NOTES:

1. COORDINATION SHALL BE MADE WITH TORRINGTON AREA HEALTH DISTRICT PRIOR TO ANY WORK BEING PERFORMED ON THE WATER SERVICES THROUGHOUT THE PROJECT SITE.
2. COORDINATION SHALL BE MADE WITH TORRINGTON AREA HEALTH DISTRICT TO ANY WORK BEING PERFORMED ON SEPTIC SERVICES THROUGHOUT THE PROJECT SITE.
3. COORDINATION SHALL BE MADE WITH NORTHEAST UTILITIES SERVICE COMPANY/EVERSOURCE ENERGY PRIOR TO ANY WORK BEING PERFORMED ON THE ELECTRICAL SERVICES THROUGHOUT THE PROJECT SITE.
4. ELETRICAL/TELECOMMUNICATIONS CONDUITS AND STRUCTURES ARE CONSIDERED APPROXIMATE AND BASED ON ELECTRICAL PLANS PREPARED BY C&H ELECTRIC.
5. REFER TO MEP PLANS FOR ALL SERVICE CONNECTION LOCATIONS AND ELEVATIONS AT THE EXISTING BUILDING, INCLUDING BUT NOT LIMITED TO ROOF LEADER CONNECTIONS, WATER, GAS, ELECTRIC AND SANITARY SERVICES.
6. LOCATIONS OF ALL EXISTING UTILITIES ARE APPROXIMATE.
7. CALL BEFORE YOU DIG TO BE CONDUCTED AND PAINT MARKINGS TO BE FIELD IDENTIFIED PRIOR TO CONSTRUCTION.
8. ALL STORM SEWER PIPES SHALL BE SMOOTH LINED CORRUGATED HDPE. ALL SANITARY SEWER PIPES SHALL BE PVC SDR-35.
9. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AN ENCROACHMENT PERMIT AS REQUIRED BY THE CITY OF TORRINGTON PUBLIC WORKS DEPARTMENT FOR ALL WORK WITHIN THE CITY RIGHT-OF-WAY, INCLUDING BUT NOT LIMITED TO UTILITY WORK AND EXCAVATION.



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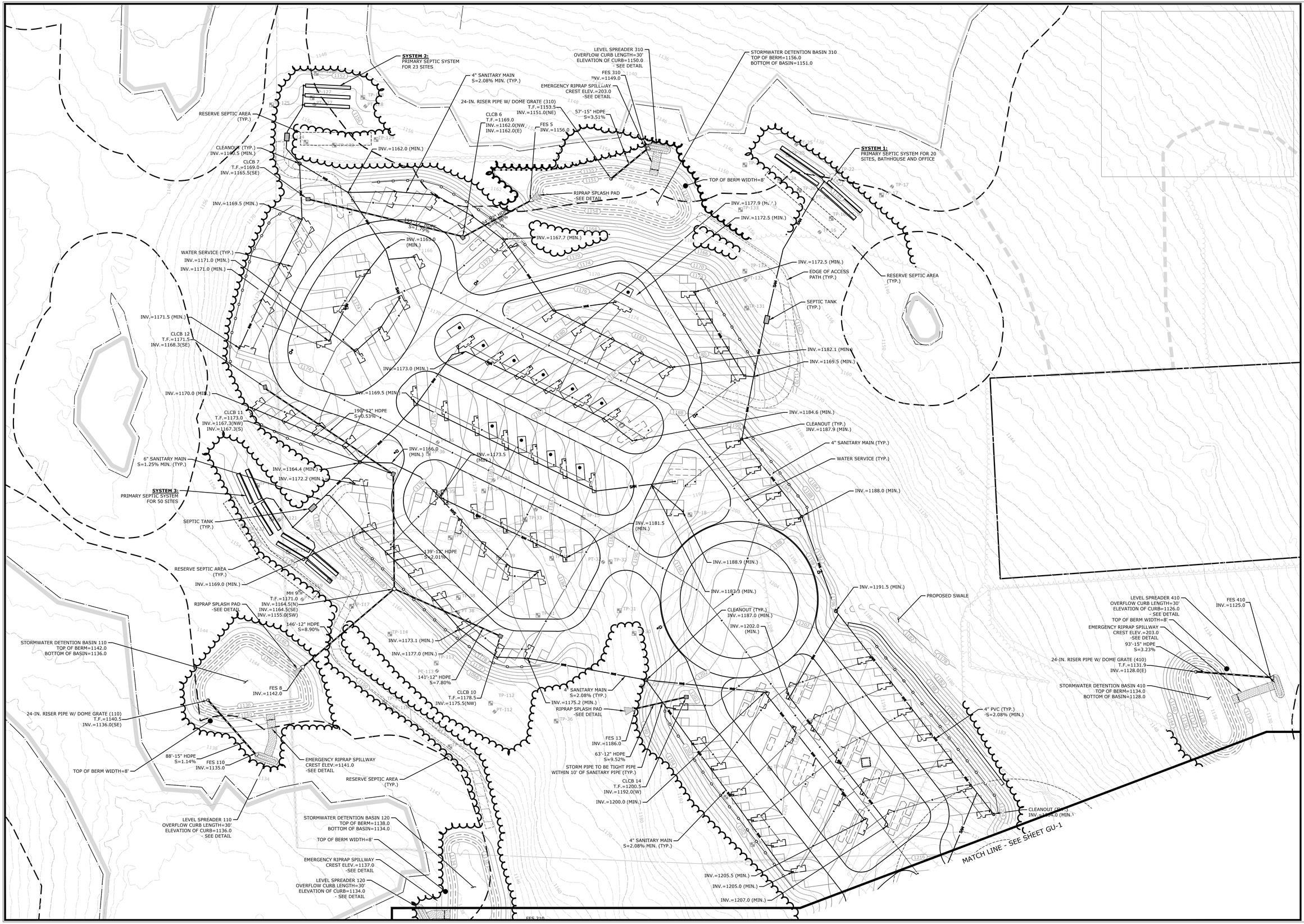
DESCRIPTION	DATE	BY
LAYOUT CHANGES	4/13/2023	ACD
LAYOUT CHANGES	7/20/2023	ACD
SITE REVISIONS	3/06/2024	ACD

SITE PLAN - UTILITIES

SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
ACD	ACD	RJM

SCALE: 1"=50'
DATE: FEBRUARY 6, 2023
PROJECT NO.: 20174.00002
SHEET NO.: 12 OF 30
SHEET NAME: UT-1



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DESCRIPTION	DATE	BY
PR. GRADING - ROUNDABOUT	05/01/2023	ACD
LAYOUT CHANGES	7/20/2023	ACD
SEPTIC CHANGES	8/31/2023	ACD
SITE REVISIONS	3/08/2024	ACD

SITE PLAN - UTILITIES

SKYRIDGE TRAILS CAMPGROUND

232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	ACD	RJM
DESIGNED	DRAWN	CHECKED

1"=50'
SCALE

FEBRUARY 6, 2023
DATE

20174.00002
PROJECT NO.

13 OF 30
SHEET NO.

UT-2
SHEET NAME

MATCH LINE - SEE SHEET UT-1

RIP RAP SWALE

SCHEMATIC WATER SERVICE FOR FUTURE BUILDING

SEPTIC TANK

SYSTEM 4:
PRIMARY SEPTIC SYSTEM FOR FUTURE BUILDING

RESERVE SEPTIC AREA (TYP.)

Erratic Rock

SAN

TP-1 TP-2 TP-3 TP-4 TP-5 TP-6 TP-7, PT-7 TP-8 PT-8 TP-9 TP-10 TP-11 PT-11 TP-12 PT-12 TP-13 PT-13 TP-14 PT-27 TP-27

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

SLR

99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
LAYOUT CHANGES	7/20/2023	ACD
SEPTIC CHANGES	8/31/2023	ACD
SITE REVISIONS	3/06/2024	ACD

SITE PLAN - UTILITIES

SKYRIDGE TRAILS CAMPGROUND

232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	ACD	RJM
DESIGNED	DRAWN	CHECKED

1"=50'
SCALE

APRIL 13, 2023
DATE

20174.00002
PROJECT NO.

14 OF 30
SHEET NO.

UT-3
SHEET NAME

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 - 2002, TOWN OF TORRINGTON REQUIREMENTS, AND IN ALL CASES BEST MANAGEMENT PRACTICES SHALL PREVAIL.

1.PURPOSE AND DESCRIPTION OF PROJECT
A.) THE CONSTRUCTION OF A 92 SITE RV PARK DEVELOPMENT
B.) DISTURBED AREA: ±30.0 AC.

2.IDENTIFICATION OF EROSION AND SEDIMENT CONTROL CONCERNS
A.) CUTS AND FILLS ASSOCIATED WITH CONSTRUCTION.
B.) PROTECTION OF OFFSITE DRAINAGE SYSTEMS
C.) PROTECTION OF ON-SITE WETLANDS

3.IDENTIFICATION OF OTHER POSSIBLE PERMITS
THE PERMITS REQUIRED FOR THE PROJECT ARE LOCAL INLAND WETLANDS, PLANNING AND ZONING PERMITS.

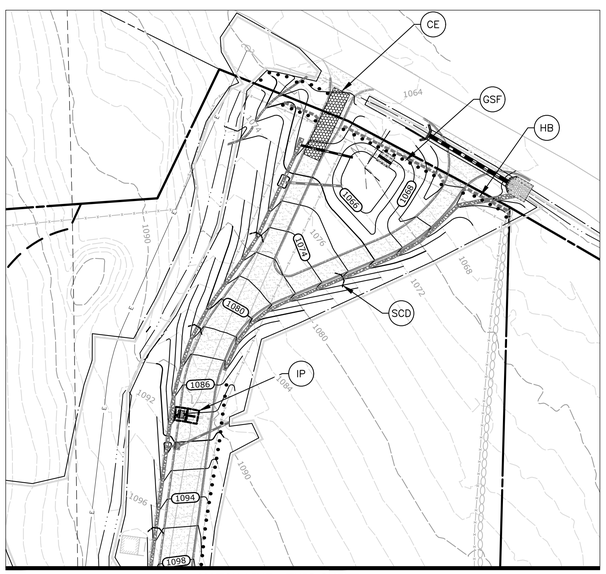
TEMPORARY SEDIMENT TRAP SIZING SUMMARY

TRAP NO.	ACRES	VOLUME STORAGE REQUIRED	DEPTH STORAGE REQUIRED	LENGTH X WIDTH	VOLUME PROVIDED
#1	±5.0	670 CY	3.0 FT.	65 FT. X 100 FT.	722 CY
#2	±5.0	670 CY	3.0 FT.	65 FT. X 100 FT.	722 CY

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

EROSION CONTROL LEGEND

- TST — TEMPORARY SEDIMENT TRAP
- CE — CONSTRUCTION ENTRANCE (50 L.F. MIN.)
- HB — STACKED HAYBALES
- GSF — SEDIMENT FILTER FENCE
- ECB — EROSION CONTROL BLANKET
- IP — INLET PROTECTION
- DB — DIVERSION BERM
- SCD — STONE CHECK DAM
- STK — SOIL STOCKPILE AREA



MATCH LINE - THIS SHEET

MATCH LINE - SEE SHEET SE-2

MATCH LINE - SEE SHEET UT-3

EX. BUILDING
FF: ±1229.5

EX. BUILDING
FF: ±1204.5

STK

CE

SCD

GSF

SWL

+1146.6

+1147.1

+1147.5

N

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

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DESCRIPTION	DATE	BY
CITY STAFF COMMENTS	11/02/23	ACD
DRIVEWAY LAYOUT	2/6/2023	ACD
LAYOUT CHANGES	4/13/2023	ACD
LAYOUT CHANGES	8/7/2023	ACD
SITE REVISIONS	3/06/2024	ACD

SITE PLAN - SEDIMENT & EROSION CONTROL PLAN

SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	MLA	RJM
DESIGNED	DRAWN	CHECKED

1"=50'
SCALE

NOVEMBER 9, 2022
DATE

20174.00002
PROJECT NO.

15 OF 30
SHEET NO.

SE-1
SHEET NAME

EROSION CONTROL LEGEND

- TST — TEMPORARY SEDIMENT TRAP
- CE — CONSTRUCTION ENTRANCE (50 L.F. MIN.)
- HB — STACKED HAYBALES
- GSF — SEDIMENT FILTER FENCE
- ECB — EROSION CONTROL BLANKET
- IP — INLET PROTECTION
- DB — DIVERSION BERM
- SCD — STONE CHECK DAM
- STK — SOIL STOCKPILE AREA

PROPOSED OVERFLOW SPILLWAY (TYP.)

TST #1
-SEDIMENT TRAP TO BE INSTALLED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION
-SEDIMENT TRAP TO REMAIN IN PLACE UNTIL SUCH A TIME SITE IS STABILIZED

TST #2
-SEDIMENT TRAP TO BE INSTALLED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION
-SEDIMENT TRAP TO REMAIN IN PLACE UNTIL SUCH A TIME SITE IS STABILIZED

PROPOSED OVERFLOW SPILLWAY (TYP.)

MATCH LINE - SEE SHEET GU-1

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

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DESCRIPTION	DATE	BY
CITY STAFF COMMENTS	11/07/2023	ACD
CALLOUT CLEANUP	8/7/2023	ACD
SEPTIC CHANGES	8/31/2023	ACD

SITE PLAN - SEDIMENT & EROSION CONTROL PLAN

SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	MLA	RJM
DESIGNED	DRAWN	CHECKED

1"=50'
SCALE

NOVEMBER 9, 2022
DATE

20174.00002
PROJECT NO.

16 OF 30
SHEET NO.

SE-2
SHEET NAME

DESCRIPTION	DATE	BY
LAYOUT CHANGES	8/7/2023	ACD
SEPTIC CHANGES	8/31/2023	ACD
SITE REVISIONS	3/06/2024	ACD

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SITE PLAN - SEDIMENT & EROSION CONTROL PLAN

SKYRIDGE TRAILS CAMPGROUND

232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
ACD	MLA	RJM

SCALE: 1"=50'

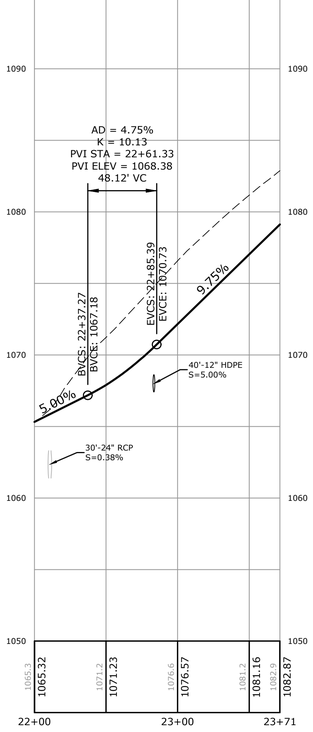
DATE: APRIL 13, 2023

PROJECT NO.: 20174.00002

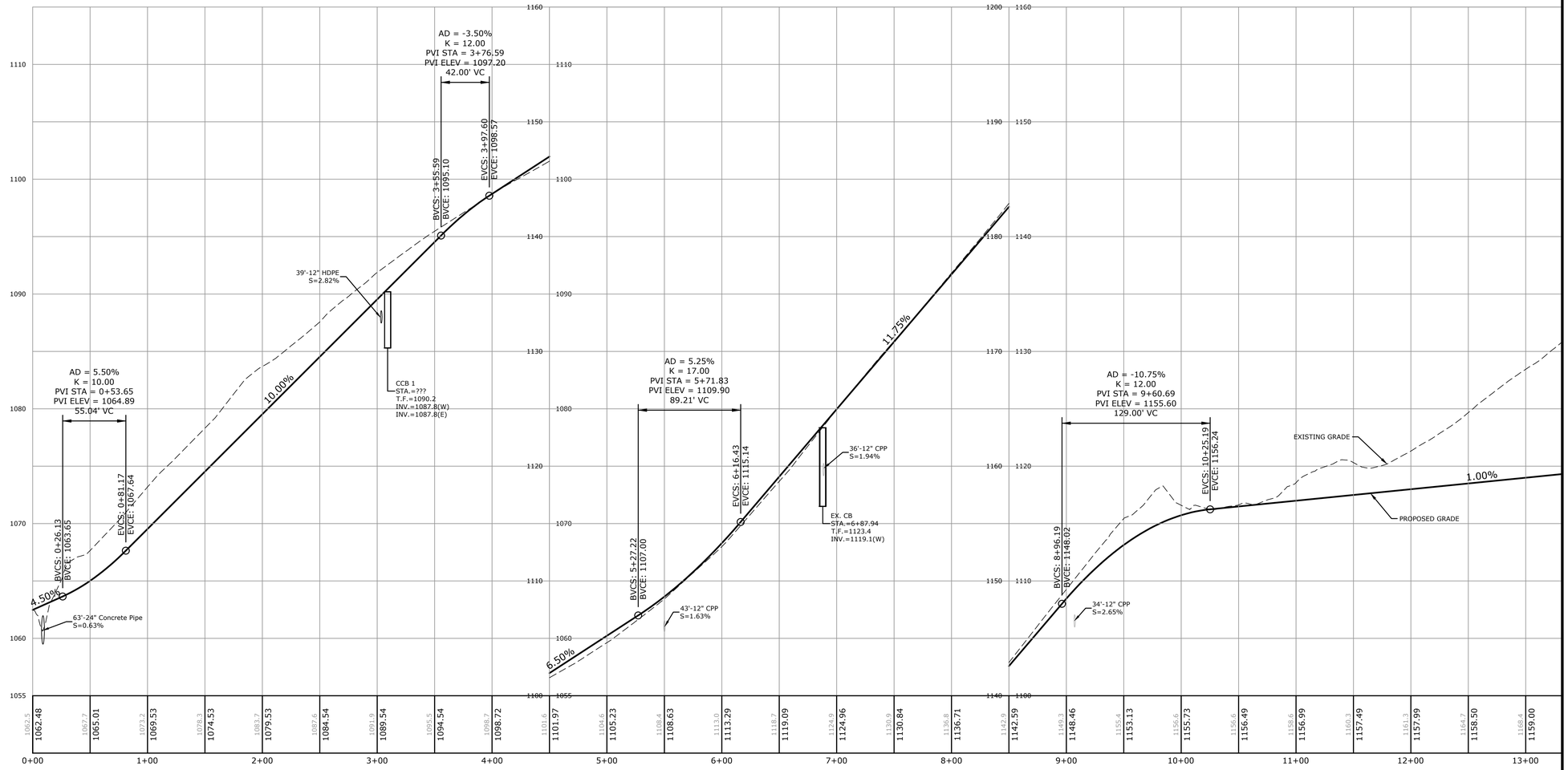
SHEET NO.: 17 OF 30

SHEET NAME: SE-3

PLAN VIEW
1"=50'



PROFILE VIEW
1"=50' H
1"=5' V



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203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
PROFILE REVISIONS	2/02/2023	KJG
LAYOUT CHANGES	4/13/2023	ACD

SITE PLAN - PLAN & PROFILE

SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	ACD	RJM
DESIGNED	DRAWN	CHECKED

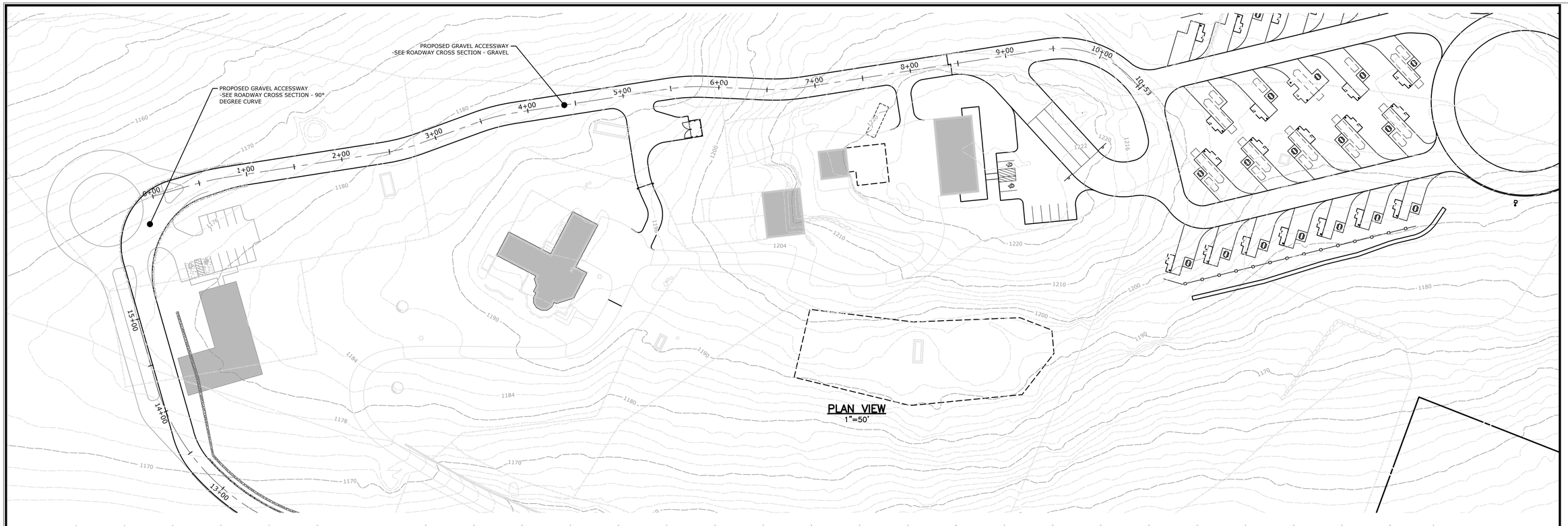
AS NOTED
SCALE

JANUARY 13, 2023
DATE

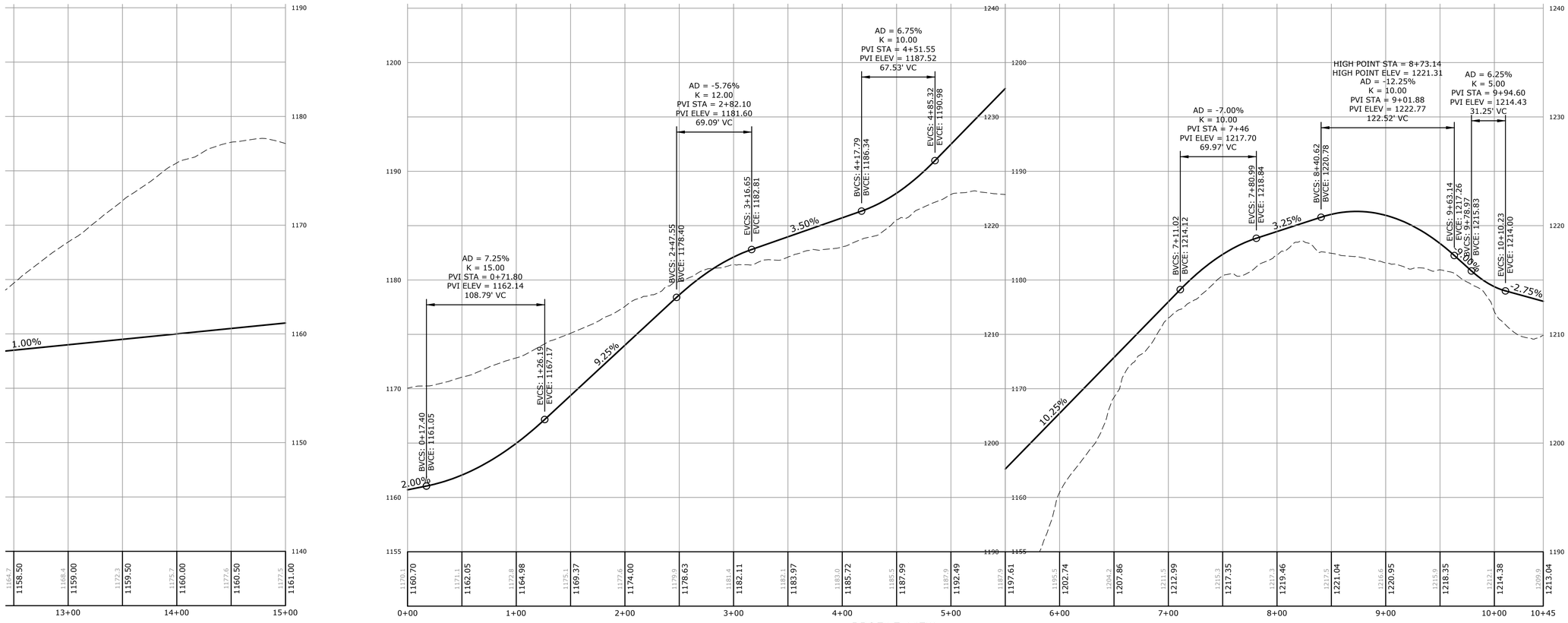
20174.00002
PROJECT NO.

18 OF 30
SHEET NO.

PP-1
SHEET NAME



PLAN VIEW
1"=50'



PROFILE VIEW
1"=50' H
1"=5' V

SLR
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CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
PROFILE REVISIONS	2/02/2023	KJG
LAYOUT CHANGES	4/13/2023	ACD
LAYOUT CHANGES	8/7/2023	ACD
SITE REVISIONS	3/06/2024	ACD

SITE PLAN - PLAN & PROFILE

SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	ACD	RJM
DESIGNED	DRAWN	CHECKED

AS NOTED
SCALE

JANUARY 13, 2023
DATE

20174.00002
PROJECT NO.

19 OF 30
SHEET NO.

PP-2
SHEET NAME

SOIL TESTING DATA - DECEMBER 2021

OBSERVED BY JUSTIN ROMPRE, TORRINGTON & RYAN MCEVOY, SLR CONSULTING. TEST PITS #1-26 ON 12/16/21. TEST PITS #26-47 ON 12/17/21.

Test Pit: 1
00"-11" TOPSOIL
11"-21" ORANGE BROWN FINE SANDY LOAM WITH SILTS
21"-91" DARK-BROWN FINE SAND WITH SILT AND COBBLES

MOTTLING - 24"
RESTRICTIVE - 24"
WEEPING - 61"
GROUNDWATER - 89"
LEDGE - N/A

Test Pit: 2
00"-09" TOPSOIL
09"-24" ORANGE BROWN FINE SANDY LOAM
24"-40" MEDIUM-BROWN FINE SAND AND SILT, LITTLE GRAVEL, FIRM
40"-94" FINE SAND AND SILT, FIRM

MOTTLING - 24" (FAINT)
RESTRICTIVE - 24"
WEEPING - 71"
GROUNDWATER - 90"
LEDGE - N/A

PERC: 2
DEPTH: 18"
RATE: 10.1-20.0

Test Pit: 3
00"-09" TOPSOIL
09"-23" ORANGE BROWN FINE SANDY LOAM
23"-35" MEDIUM-BROWN FINE SAND AND SILT, LITTLE GRAVEL, FIRM
35"-83" FINE SAND AND SILT, FIRM

MOTTLING - 23"
RESTRICTIVE - 23"
WEEPING - 55"
GROUNDWATER - N/A
LEDGE - N/A

Test Pit: 4
00"-10" TOPSOIL
10"-22" ORANGE BROWN FINE SANDY LOAM
22"-38" MEDIUM-BROWN FINE SAND AND SILT, LITTLE GRAVEL, FIRM
38"-91" FINE SAND AND SILT, FIRM

MOTTLING - N/A
RESTRICTIVE - 22"
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - N/A

PERC: 4
DEPTH: 18"
RATE: 10.1-20.0

Test Pit: 5
00"-10" TOPSOIL
10"-19" ORANGE BROWN FINE SANDY LOAM
19"-38" MEDIUM-BROWN FINE SAND AND SILT, LITTLE GRAVEL, FIRM
38"-91" FINE SAND AND SILT, FIRM

MOTTLING - 19"
RESTRICTIVE - 19"
WEEPING - N/A
GROUNDWATER - 72"
LEDGE - N/A

PERC: 5
DEPTH: 18"
RATE: 10.1-20.0

Test Pit: 6
00"-10" TOPSOIL
10"-27" ORANGE BROWN FINE SANDY LOAM
27"-40" MEDIUM-BROWN FINE SILTY SAND
40"-90" MEDIUM-BROWN FINE SAND WITH SILT

MOTTLING - N/A
RESTRICTIVE - 27"
WEEPING - N/A
GROUNDWATER - 71"
LEDGE - N/A

Test Pit: 7
00"-09" TOPSOIL
09"-18" ORANGE BROWN FINE SANDY LOAM
18"-37" MEDIUM-BROWN FINE SILTY SAND
37"-86" MEDIUM-BROWN FINE SAND WITH SILT

MOTTLING - N/A
RESTRICTIVE - 18"
WEEPING - 68"
GROUNDWATER - N/A
LEDGE - N/A

PERC: 7
DEPTH: 17"
RATE: 1.1-10.0

Test Pit: 8
00"-07" TOPSOIL
07"-19" ORANGE BROWN FINE SANDY LOAM
19"-30" LIGHT-BROWN FINE SAND, SOME SILT
30"-88" MEDIUM-BROWN FINE SAND WITH SILT

MOTTLING - 19"
RESTRICTIVE - 19"
WEEPING - 73"
GROUNDWATER - N/A
LEDGE - N/A

PERC: 8
DEPTH: 21"
RATE: 10.1-20.0

Test Pit: 9
00"-08" TOPSOIL
08"-20" ORANGE BROWN FINE SANDY LOAM
20"-41" LIGHT-BROWN FINE SAND, SOME SILT
41"-88" MEDIUM-BROWN FINE SAND WITH SILT

MOTTLING - 20" (FAINT)
RESTRICTIVE - 20"
WEEPING - 81"
GROUNDWATER - N/A
LEDGE - N/A

Test Pit: 10
00"-08" TOPSOIL
08"-15" ORANGE BROWN FINE SANDY LOAM
15"-34" LIGHT-BROWN FINE SAND, SOME SILT
34"-87" MEDIUM-BROWN FINE SAND WITH SILT

MOTTLING - N/A
RESTRICTIVE - 15"
WEEPING - 79"
GROUNDWATER - N/A
LEDGE - N/A

Test Pit: 11
00"-06" TOPSOIL
06"-22" ORANGE BROWN FINE SANDY LOAM
22"-35" LIGHT-BROWN FINE SAND, SOME SILT
35"-93" MEDIUM-BROWN FINE SAND WITH SILT

MOTTLING - 22"
RESTRICTIVE - 22"
WEEPING - 87"
GROUNDWATER - N/A
LEDGE - N/A

PERC: 11
DEPTH: 18"
RATE: 10.1-20.0

Test Pit: 12
00"-09" TOPSOIL
09"-22" ORANGE BROWN FINE SANDY LOAM
22"-33" LIGHT-BROWN FINE SAND, SOME SILT
33"-97" MEDIUM-BROWN FINE SAND WITH SILT

MOTTLING - 22"
RESTRICTIVE - 22"
WEEPING - N/A
GROUNDWATER - 82"
LEDGE - N/A

PERC: 12
DEPTH: 24"
RATE: 10.1-20.0

Test Pit: 13
00"-12" TOPSOIL
12"-20" ORANGE BROWN FINE SANDY LOAM
20"-39" LIGHT-BROWN FINE SAND, SOME SILT
39"-93" MEDIUM-BROWN FINE SAND WITH SILT

MOTTLING - 20"
RESTRICTIVE - 20"
WEEPING - 68"
GROUNDWATER - N/A
LEDGE - N/A

PERC: 13
DEPTH: 21"
RATE: 30.1-45.0

Test Pit: 14
00"-10" TOPSOIL
10"-24" ORANGE BROWN FINE SANDY LOAM
24"-36" LIGHT-BROWN FINE SAND, SOME SILT
36"-80" MEDIUM-BROWN FINE SAND WITH SILT

MOTTLING - N/A
RESTRICTIVE - 24"
WEEPING - 61"
GROUNDWATER - N/A
LEDGE - N/A

Test Pit: 15
00"-09" TOPSOIL
09"-19" ORANGE BROWN FINE SANDY LOAM
19"-34" LIGHT-BROWN FINE SAND, LITTLE SILT, TRACE GRAVEL
34"-90" MEDIUM-BROWN FINE SAND, SOME SILT, LITTLE GRAVEL, COMPACT

MOTTLING - 34" (FAINT)
RESTRICTIVE - 24"
WEEPING - N/A"
GROUNDWATER - N/A
LEDGE - N/A
ROOTS - 34"

Test Pit: 16
00"-11" TOPSOIL
11"-31" ORANGE BROWN FINE SANDY LOAM
31"-96" MEDIUM-BROWN FINE SAND AND SILT (MOIST)

MOTTLING - 31"
RESTRICTIVE - 31"
WEEPING - 73"
GROUNDWATER - N/A
LEDGE - N/A

PERC: 16
DEPTH: 19"
RATE: 10.1-20.0

Test Pit: 17
00"-08" TOPSOIL
08"-19" ORANGE BROWN FINE SANDY LOAM
19"-96" MEDIUM-BROWN FINE SAND AND SILT

MOTTLING - 19"
RESTRICTIVE - 19"
WEEPING - N/A
GROUNDWATER - 81"
LEDGE - N/A
ROOTS - 19"

PERC: 17
DEPTH: 18.5"
RATE: 1.1-10.0

Test Pit: 18
00"-22" LEDGE

Test Pit: 19
00"-34" LEDGE

Test Pit: 20
00"-23" LEDGE

Test Pit: 21
00"-24" LEDGE

Test Pit: 22
00"-09" TOPSOIL
09"-24" LIGHT BROWN FINE-MEDIUM SAND
24"-96" BROWN FINE SAND AND SILT, MODERATE COMPACTION

MOTTLING - 24"
RESTRICTIVE - 24"
WEEPING - N/A
GROUNDWATER - 44"
LEDGE - N/A

Test Pit: 23
00"-08" TOPSOIL
08"-20" ORANGE BROWN FINE SANDY LOAM
20"-84" BROWN FINE SAND WITH SILT

MOTTLING - N/A
RESTRICTIVE - 29"
WEEPING - N/A
GROUNDWATER - 29"
LEDGE - N/A

Test Pit: 24
00"-08" TOPSOIL
08"-26" MEDIUM BROWN FINE SANDY LOAM
26"-85" BROWN FINE SAND WITH SILT, MODERATE COMPACTION

MOTTLING - 36"
RESTRICTIVE - 36"
WEEPING - N/A
GROUNDWATER - 55"
LEDGE - N/A

Test Pit: 25
00"-10" TOPSOIL
10"-21" ORANGE BROWN FINE SANDY LOAM
21"-90" BROWN FINE SAND AND SILT

MOTTLING - N/A
RESTRICTIVE - 37"
WEEPING - 37"
GROUNDWATER - N/A
LEDGE - N/A

PERC: 25
DEPTH: 18"
RATE: 1.1-10.0

Test Pit: 26
00"-12" TOPSOIL
12"-24" MEDIUM BROWN FINE SANDY LOAM WITH SILT
24"-89" MEDIUM-BROWN VERY FINE SAND, MOIST

MOTTLING - 24"
RESTRICTIVE - 24"
WEEPING - 26"
GROUNDWATER - N/A
LEDGE - N/A

PERC: 26
DEPTH: 16.5"
RATE: 1.1-10.0

Test Pit: 27
00"-10" TOPSOIL
10"-20" ORANGE BROWN FINE SANDY LOAM
20"-28" LIGHT-BROWN FINE SAND WITH SILT
28"-83" MEDIUM-BROWN SAND AND SILT, COMPACT

MOTTLING - N/A
RESTRICTIVE - 28"
WEEPING - N/A
GROUNDWATER - 64"
LEDGE - N/A

PERC: 27
DEPTH: 19'
RATE: 1.1-10.0

Test Pit: 28
00"-10" TOPSOIL
10"-33" ORANGE BROWN FINE SANDY LOAM
33"-81" MEDIUM-BROWN FINE SAND WITH SILT

MOTTLING - 33"
RESTRICTIVE - 33"
WEEPING - N/A
GROUNDWATER - 59"
LEDGE - N/A

Test Pit: 29
00"-30" LEDGE ROCK

Test Pit: 30
00"-06" TOPSOIL
06"-24" ORANGE BROWN FINE SANDY LOAM
24"-50" FRACTURED LEDGE

MOTTLING - N/A
RESTRICTIVE - 24"
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - 50"

Test Pit: 31
- LEDGE ROCK WITH FRACTURES

VARYING DEPTH: 30-57"

Test Pit: 32
00"-10" TOPSOIL
10"-25" ORANGE BROWN FINE SANDY LOAM
25"-39" LIGHT-BROWN FINE TO MEDIUM SAND WITH SILT
39"-80" MEDIUM BROWN SAND AND SILT

MOTTLING - 39"
RESTRICTIVE - 39"
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - N/A

PERC: 32
DEPTH: 19.5"
RATE: 1.1-10.0

Test Pit: 33
00"-08" TOPSOIL
08"-19" ORANGE BROWN FINE SANDY LOAM
19"-27" LIGHT-BROWN FINE TO MEDIUM SAND WITH SILT
27"-74" MEDIUM BROWN SAND AND SILT WITH GRAVEL, COMPACT

MOTTLING - N/A
RESTRICTIVE - 27"
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - N/A

PERC: 33
DEPTH: 18"
RATE: 1.1-10.0

Test Pit: 34
00"-08" TOPSOIL
08"-30" ORANGE BROWN FINE SANDY LOAM
30"-56" FRACTURED LEDGE

MOTTLING - N/A
RESTRICTIVE - 30"
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - N/A

PERC: 34
DEPTH: 19"
RATE:1.1-10.0

Test Pit: 35
00"-10" TOPSOIL
10"-27" ORANGE BROWN FINE SANDY LOAM, COMPACT
27"-75" MEDIUM-BROWN VERY FINE SAND WITH GRAVEL, COMPACT

MOTTLING - N/A
RESTRICTIVE - 27"
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - N/A

Test Pit: 36
00"-12" TOPSOIL
12"-29" ORANGE BROWN FINE SANDY LOAM
29"-40" LIGHT BROWN SAND WITH SILT
40"-78" MEDIUM BROWN FINE SAND WITH SILT, COMPACT WITH COBBLES

MOTTLING - N/A
RESTRICTIVE - 40"
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - N/A

PERC: 36
DEPTH: 19"
RATE: 1.1-10.0

Test Pit: 37
00"-" TOPSOIL
"-" ORANGE BROWN FINE SAND SOME SILT
"-64" DARK-BROWN FINE SAND, SOME SILT AND COBBLES

MOTTLING - N/A
RESTRICTIVE - N/A
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - N/A

Test Pit: 38
00"-11" TOPSOIL
11"-34" ORANGE BROWN FINE SAND, SOME SILT
34"-71" DARK-BROWN FINE SAND, SOME SILT AND COBBLES

MOTTLING - 34"
RESTRICTIVE - 34"
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - N/A

PERC: 38
DEPTH: 21"
RATE: 1.1-10.0

Test Pit: 39
00"-11" TOPSOIL
11"-37" ORANGE BROWN FINE SANDY LOAM
37"-86" LIGHT-BROWN FINE SAND, SOME COBBLES

MOTTLING - 37"
RESTRICTIVE - 37"
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - N/A
ROOTS - 37"

Test Pit: 40
00"-09" TOPSOIL
09"-30" ORANGE BROWN FINE SANDY LOAM
30"-72" FRACTURED LEDGE , ABLE TO DIG OUT

MOTTLING - 30"
RESTRICTIVE - 30"
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - N/A

Test Pit: 41
00"-06" TOPSOIL
06"-24" ORANGE BROWN FINE SANDY LOAM
24"-56" BROWN FINE SAND, SOME SILTS WITH DECOMPOSED ROCKS

MOTTLING - N/A
RESTRICTIVE - 24"
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - 56" (FRACTURED)
ROOTS - 24"

Test Pit: 42
00"-36" LEDGE ROCK AT BOTTOM

Test Pit: 43
00"-04" TOPSOIL
04"-25" ORANGE BROWN FINE SANDY LOAM
25"-40" LIGHT-BROWN FINE SAND, SOME SILT MIXED WITH DIGGABLE LEDGE

MOTTLING - N/A
RESTRICTIVE - 25"
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - N/A

Test Pit: 44
00"-06" TOPSOIL
06"-22" ORANGE BROWN FINE SANDY LOAM
22"-38" LIGHT-BROWN FINE-MEDIUM SAND, WITH SOME SILT
38"-52" MEDIUM BROWN SAND AND SILT AND DIGGABLE LEDGE

MOTTLING - N/A
RESTRICTIVE - 38"
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - N/A

Test Pit: 45
00"-09" TOPSOIL
09"-17" ORANGE BROWN FINE SANDY LOAM
17"-28" LIGHT-BROWN VERY FINE SAND, TRACE SILT
28"-59" DARK BROWN FINE TO MEDIUM SAND, SOME GRAVEL, SOME COBBLES (WELL GRADED), COMPACT

MOTTLING - N/A
RESTRICTIVE - 28"
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - N/A

PERC: 45
DEPTH: 19"
RATE: 1.1-10.0

Test Pit: 46
00"-07" TOPSOIL
07"-20" ORANGE BROWN FINE SANDY LOAM
20"-60" MEDIUM-BROWN FINE SAND, WITH SOME SILT WITH DIGGABLE LEDGE @ 40"

MOTTLING - N/A
RESTRICTIVE - 40"
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - 40" FRACTURED

PERC: 46
DEPTH: 19"
RATE: 10.1-20.0

Test Pit: 47
00"-09" TOPSOIL
09"-20" ORANGE BROWN FINE SANDY LOAM
20"-31" MEDIUM-BROWN FINE SANDY LOAM
31"-58" DIGGABLE LEDGE

MOTTLING - N/A
RESTRICTIVE - 32"
WEEPING - N/A
GROUNDWATER - N/A
LEDGE - N/A
ROOTS - 32"

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DESCRIPTION	DATE	BY

SEPTIC SYSTEM - SOIL TESTING RESULTS

SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
---	MLA	RJM

SCALE: NOT TO SCALE
DATE: NOVEMBER 9, 2022
PROJECT NO.: 20174.00002
SHEET NO.: 20 OF 30
SHEET NAME: SD-1

SOIL TESTING DATA - SEPTEMBER 2022

OBSERVED BY JUSTIN ROMPRE, TORRINGTON & RYAN MCEVOY, SLR CONSULTING. TEST PITS #101-120 ON 9/1/20. TEST PITS #121-138 ON 9/2/22.

Test Pit: 101
00"-05" TOPSOIL
05"-23" ORANGE BROWN FINE SANDY LOAM
23"-41" LIGHT-BROWN FINE SAND, LITTLE SILT

MOTTLING - N/A
RESTRICTIVE - 41"
ROOTS - 30"
LEDGE - N/A

Test Pit: 102
00"-05" TOPSOIL
05"-21" ORANGE BROWN FINE SANDY LOAM
21"-48" LIGHT-BROWN FINE SAND, LITTLE SILT

MOTTLING - N/A
RESTRICTIVE - 38"
ROOTS - 27"
LEDGE - DIGGABLE @ 38"

Test Pit: 103
00"-06" TOPSOIL
06"-17" ORANGE BROWN FINE SANDY LOAM
17"-26" LIGHT-BROWN FINE SAND, LITTLE SILT, BOULDERS

MOTTLING - N/A
RESTRICTIVE - 26"
LEDGE - 26"

Test Pit: 104
00"-03" TOPSOIL
03"-18" ORANGE BROWN FINE SANDY LOAM
18"-57" LIGHT-BROWN FINE SAND, LITTLE SILT

MOTTLING - N/A
RESTRICTIVE - 18"
ROOTS - 25"
LEDGE - DIGGABLE @ 18"

Test Pit: 105
00"-05" TOPSOIL
05"-23" ORANGE BROWN FINE SANDY LOAM
23"-60" LIGHT-BROWN FINE SAND, LITTLE SILT, COMPACT @ 31"

MOTTLING - N/A
RESTRICTIVE - 31"
ROOTS - 24"
LEDGE - N/A

Test Pit: 106
00"-06" TOPSOIL
06"-23" ORANGE BROWN FINE SANDY LOAM
23"-84" LIGHT-BROWN FINE SAND, LITTLE SILT, COMPACT @ 35"

MOTTLING - N/A
RESTRICTIVE - 35"
ROOTS - 28"
LEDGE - N/A

PERC: 106
DEPTH: 19"
RATE: 1.1-10.0

Test Pit: 107
00"-08" TOPSOIL
08"-20" ORANGE BROWN FINE SANDY LOAM
20"-42" LIGHT-BROWN FINE SAND, LITTLE SILT

MOTTLING - N/A
RESTRICTIVE - 28"
ROOTS - 28"
LEDGE - DIGGABLE @ 28"

Test Pit: 108
00"-07" TOPSOIL
07"-24" ORANGE BROWN FINE SANDY LOAM

MOTTLING - N/A
RESTRICTIVE - 24"
ROOTS - N/A
LEDGE - 24"

Test Pit: 109
00"-08" TOPSOIL
08"-24" ORANGE BROWN FINE SANDY LOAM
24"-64" LIGHT-BROWN FINE-MEDIUM SAND, LITTLE SILT, COMPACT @ 34"

MOTTLING - N/A
RESTRICTIVE - 34"
ROOTS - 31"
LEDGE - N/A

PERC: 109
DEPTH: 20"
RATE: 1.1-10.0

Test Pit: 110
00"-06" TOPSOIL
06"-28" ORANGE BROWN FINE SANDY LOAM
28"-51" LIGHT-BROWN FINE-MEDIUM SAND, LITTLE SILT
51"-74" DECOMPOSED DIGGABLE LEDGE, COMPACT @ 28"

MOTTLING - N/A
RESTRICTIVE - 28"
ROOTS - N/A
LEDGE - N/A

Test Pit: 111
00"-06" TOPSOIL
06"-23" ORANGE BROWN FINE SANDY LOAM
23"-48" LIGHT-BROWN FINE SAND, LITTLE SILT, COMPACT @ 29"
48"-58" DIGGABLE LEDGE

MOTTLING - N/A
RESTRICTIVE - 29"
ROOTS - 27"
LEDGE - DIGGABLE @ 48"

PERC: 111
DEPTH: 17"
RATE: 1.1-10.0

Test Pit: 112
00"-07" TOPSOIL
07"-32" ORANGE BROWN FINE SANDY LOAM
32"-45" LIGHT-BROWN FINE SAND WITH SILT
45"-79" MEDIUM BROWN FINE SAND WITH SILT, COBBLES, COMPACT @ 45"

MOTTLING - N/A
RESTRICTIVE - 45"
ROOTS - N/A
LEDGE - N/A

PERC: 112
DEPTH: 20"
RATE: 1.1-10.0

Test Pit: 113
00"-07" TOPSOIL
07"-24" ORANGE BROWN FINE SANDY LOAM
24"-41" LIGHT-BROWN FINE SAND, SOME SILT
41"-47" MEDIUM BROWN FINE SAND WITH SILT
47"-62" DIGGABLE LEDGE

MOTTLING - N/A
RESTRICTIVE - 47"
ROOTS - N/A
LEDGE - N/A

PERC: 113
DEPTH: 18"
RATE: 1.1-10.0

Test Pit: 114
00"-08" TOPSOIL
08"-26" ORANGE BROWN FINE SANDY LOAM
26"-35" LIGHT-BROWN FINE SAND, SOME SILT
35"-82" DIGGABLE LEDGE

MOTTLING - N/A
RESTRICTIVE - 35"
ROOTS - 35"
LEDGE - N/A

Test Pit: 115
00"-08" TOPSOIL
08"-25" ORANGE BROWN FINE SANDY LOAM
25"-52" DIGGABLE LEDGE

MOTTLING - N/A
RESTRICTIVE - 35"
ROOTS - 25"
LEDGE - N/A

Test Pit: 116
00"-08" TOPSOIL
08"-29" ORANGE BROWN FINE SANDY LOAM
29"-62" LIGHT BROWN FINE SAND, SOME SILT, COMPACT @ 40"

MOTTLING - N/A
RESTRICTIVE - 40"
ROOTS - 40"
LEDGE - N/A

PERC: 116
DEPTH: 19"
RATE: 1.1-10.0

Test Pit: 117
00"-05" TOPSOIL
05"-27" ORANGE BROWN FINE SANDY LOAM
27"-30" LIGHT BROWN FINE SAND, SOME SILT

MOTTLING - N/A
RESTRICTIVE - 30"
ROOTS - 30"
LEDGE - N/A

Test Pit: 118
00"-05" TOPSOIL
05"-31" ORANGE BROWN FINE SANDY LOAM
31"-82" LIGHT-BROWN FINE SAND, SOME SILT, SOME GRAVEL, FIRM @ 35"

MOTTLING - N/A
RESTRICTIVE - 35"
ROOTS - 35"
LEDGE - N/A

PERC: 118
DEPTH: 17.5"
RATE: 1.1-10.0

Test Pit: 119
00"-09" TOPSOIL
09"-28" ORANGE BROWN FINE SANDY LOAM
28"-74" LIGHT-BROWN FINE SAND, SOME SILT, COMPACT @ 37"

MOTTLING - N/A
RESTRICTIVE - 37"
ROOTS - 46"
LEDGE - N/A

PERC: 119
DEPTH: 21"
RATE: 1.1-10.0

Test Pit: 120
00"-04" TOPSOIL
04"-30" ORANGE BROWN FINE SANDY LOAM
30"-41" LIGHT-BROWN FINE SAND, SOME SILT
41"-68" MEDIUM BROWN FINE-MEDIUM SAND, SOME SILT, COMPACT @ 41"

MOTTLING - N/A
RESTRICTIVE - 41"
ROOTS - 36"
LEDGE - N/A

Test Pit: 121
00"-05" TOPSOIL
05"-32" ORANGE BROWN FINE SANDY LOAM
32"-44" LIGHT-BROWN FINE-MEDIUM SAND, SOME SILT, SOME GRAVEL
44"-66" DIGGABLE LEDGE

MOTTLING - N/A
RESTRICTIVE - 44"
ROOTS - 44"
LEDGE - DIGGABLE @ 44"

PERC: 121
DEPTH: 18"
RATE: 1.1-10.0

Test Pit: 122
00"-08" TOPSOIL
08"-24" ORANGE BROWN FINE SANDY LOAM
24"-38" LIGHT-BROWN FINE SAND, SOME SILT
38"-75" LIGHT-BROWN FINE-MEDIUM SAND, SOME SILT, SOME GRAVEL, COMPACT @ 38"

MOTTLING - N/A
RESTRICTIVE - 38"
ROOTS - 38"
LEDGE - N/A

Test Pit: 123
00"-05" TOPSOIL
05"-23" ORANGE BROWN FINE SANDY LOAM
23"-37" LIGHT-BROWN FINE SAND, SOME SILT
37"-54" DIGGABLE LEDGE

MOTTLING - N/A
RESTRICTIVE - 37"
ROOTS - N/A
LEDGE - N/A

Test Pit: 124
00"-07" TOPSOIL
07"-29" ORANGE BROWN FINE SANDY LOAM
29"-51" DIGGABLE LEDGE

MOTTLING - N/A
RESTRICTIVE - 29"
ROOTS - 29"
LEDGE - N/A

Test Pit: 125
00"-07" TOPSOIL
07"-20" ORANGE BROWN FINE SANDY LOAM
20"-36" LIGHT BROWN FINE SAND, SOME SILT

MOTTLING - N/A
RESTRICTIVE - 36"
ROOTS - 25"
LEDGE - N/A

Test Pit: 126
00"-05" TOPSOIL
05"-29" ORANGE BROWN FINE SANDY LOAM
29"-65" LIGHT-BROWN FINE SAND, SOME SILT, SOME GRAVEL, COMPACT @ 29"

MOTTLING - 29"
RESTRICTIVE - 29"
ROOTS - 29"
LEDGE - N/A

Test Pit: 127
00"-07" TOPSOIL
07"-30" ORANGE BROWN FINE SANDY LOAM
30"-54" MEDIUM-BROWN FINE SAND, SOME SILT

MOTTLING - 37"
RESTRICTIVE - 37"
ROOTS - 37"
LEDGE - N/A

PERC: 127
DEPTH: 19"
RATE: 1.1-10.0

Test Pit: 128
00"-08" TOPSOIL
08"-37" ORANGE BROWN FINE SANDY LOAM, COMPACT @ 37"
37"-76" MEDIUM-BROWN FINE-MEDIUM SAND, SOME SILT, SOME GRAVEL

MOTTLING - N/A
RESTRICTIVE - 37"
ROOTS - 37"
LEDGE - N/A

PERC: 128
DEPTH: 18"
RATE: 1.1-10.0

Test Pit: 129
00"-06" TOPSOIL
06"-27" ORANGE BROWN FINE SANDY LOAM
27"-58" FRACTURED LEDGE

MOTTLING - N/A
RESTRICTIVE - 27"
ROOTS - 27"
LEDGE - N/A

Test Pit: 130
00"-10" TOPSOIL
10"-24" ORANGE BROWN FINE SANDY LOAM
24"-37" FRACTURED LEDGE

MOTTLING - N/A
RESTRICTIVE - 24"
ROOTS - 24"
LEDGE - N/A

Test Pit: 131
00"-06" TOPSOIL
06"-25" ORANGE BROWN FINE SANDY LOAM
25"-74" LIGHT-BROWN FINE-MEDIUM SAND, SOME SILT, SOME GRAVEL, COMPACT @ 25"

MOTTLING - N/A
RESTRICTIVE - 25"
ROOTS - 25"
LEDGE - N/A

Test Pit: 132
00"-07" TOPSOIL
07"-24" ORANGE BROWN FINE SANDY LOAM
24"-87" MEDIUM-BROWN FINE SAND WITH SILT, SOME GRAVEL, COMPACT @ 24"

MOTTLING - N/A
RESTRICTIVE - 24"
ROOTS - N/A
LEDGE - N/A

PERC: 132
DEPTH: 17.5"
RATE: 1.1-10.0

Test Pit: 133
00"-07" TOPSOIL
07"-30" ORANGE BROWN FINE SANDY LOAM
30"-83" MEDIUM-BROWN FINE SAND WITH SILT, SOME GRAVEL, COMPACT @ 30"

MOTTLING - N/A
RESTRICTIVE - 30"
ROOTS - N/A
LEDGE - N/A

Test Pit: 134
00"-07" TOPSOIL
07"-22" ORANGE BROWN FINE SANDY LOAM, BOULDERS
22"-31" LIGHT-BROWN FINE SAND, SOME SILT
31"-77" MEDIUM-BROWN FINE-MEDIUM SAND, SOME SILT, SOME GRAVEL, COMPACT @ 31"

MOTTLING - FAINT @ 31"
RESTRICTIVE - 31"
ROOTS - 25"
LEDGE - OUTCROP 35' TO THE NORTH

PERC: 134
DEPTH: 18"
RATE: 1.1-10.0

Test Pit: 135
00"-05" TOPSOIL
05"-19" ORANGE BROWN FINE SANDY LOAM
19"-43" LIGHT-BROWN FINE SAND, SOME SILT, SOME GRAVEL

MOTTLING - N/A
RESTRICTIVE - 43"
ROOTS - N/A
LEDGE - N/A

Test Pit: 136
00"-05" TOPSOIL
05"-30" ORANGE BROWN FINE SANDY LOAM, BOULDERS
30"-82" LIGHT-BROWN FINE SAND, SOME SILT, SOME GRAVEL, FIRM @ 36"

MOTTLING - N/A
RESTRICTIVE - 36"
ROOTS - 34"
LEDGE - N/A

PERC: 136
DEPTH: 18"
RATE: 1.1-10.0

Test Pit: 137
00"-05" TOPSOIL
05"-27" ORANGE BROWN FINE SANDY LOAM
27"-43" LIGHT-BROWN FINE-MEDIUM SAND, SOME SILT, WITH COBBLES, COMPACT @ 27"

MOTTLING - N/A
RESTRICTIVE - 27"
ROOTS - N/A
LEDGE - N/A

Test Pit: 138
00"-06" TOPSOIL
06"-16" ORANGE BROWN FINE SANDY LOAM
16"-28" LIGHT-BROWN FINE-MEDIUM SAND, SOME SILT

MOTTLING - N/A
RESTRICTIVE - 28"
ROOTS - 28"
LEDGE - N/A

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DESCRIPTION | DATE | BY

SEPTIC SYSTEM - SOIL TESTING RESULTS
SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
---	MLA	RJM

SCALE: NOT TO SCALE
DATE: NOVEMBER 9, 2022
PROJECT NO.: 20174.00002
SHEET NO.: 21 OF 30

SHEET NAME: SD-2

SEPTIC SYSTEM DESIGN

Design Criteria	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5
Testpits in or near System	16, 17, 22, 23, 24, 25, 26	125, 126, 127, 128	118, 119, 120, 121, 122, 123	27, 28	45,46,47
Percolation Tests in or near System	16, 17, 26	127, 128	118, 121	28	45,46
Testpit(s) Used for Design	16, 17, 22, 23, 24, 25, 26	125, 126, 127, 128	118, 119, 120, 121, 122, 123	27, 28	45,46,47
Percolation Rate (Min/inch)	1.1-10.0	1.1-10.0	PL	10.1-20.0	10.1-20.0
Required Effective Area (sq. ft.)	1411	1006.25	2187.5	1478.57	787.5
Restrictive Layer	Mottling	Mottling/Compact	Compact/Diggable	Mottling	Compact
Receiving Soil Depth (inch)	(30" (Top of System to RL)+ 26.5" (Avg. depth to RL)/2 = 28.25" Avg.	See Septic Design Sheets (Avg. depth to RL) = 42.5" Avg.	(42" (Top of System to RL)+ 37.5" (Avg. depth to RL)/2 = 39.75" Avg.	(36" (Top of System to RL)+ 30" (Avg. depth to RL)/2 = 33" Avg.	(Avg. depth to RL) = 33.3" Avg.
Slope (%)	10.1-15.0	8.1-10.0	10.1-15.0	10.1-15.0	>15.0
Hydraulic Factor (HF)	24	18	18	20	18
Flow Factor (FF)	5.013	2.68	5.833	4.36	1.75
Percolation Factor (PF)	1	1	1	1.25	1.25
MLSS (ft.)	120.32	48.30	104.994	109.00	39.38
Primary System Type	12" C.G.*	18" C.G.	18" C.G.*	12" C.G.*	
Effective Leaching (SF/LF)	6.5	6.2	7.0	6.5	
Length Used (ft.)	2x128	3x56	2x160	2x120	
Effective Leaching Area Provided (SF)	1664	1041.6	2240	1560	
Center to Center Spacing (ft.)	12	12	12	12	
Reserve System Type	18" C.G.*	18" C.G.	18" C.G.*	Mantis 536-8	12" C.G.
Effective Leaching (SF/LF)	7.0	6.2	7.0	11	5.9
Length Used (ft.)	2x120	2x88	2x160	2x70	2x72
Effective Leaching Area Provided (SF)	1680	1091.2	2240	1540	849.5
Center to Center Spacing (ft.)	12	12	12	N/A	12
C.G. = Concrete Gallery					
***Top Distribution Pipe/ **1' of Stone at Each End of Row**					

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DESCRIPTION	DATE	BY
TAHD COMMENTS	12/20/2022	ACD
SYSTEM 5 & 6 CHANGES	4/6/2023	ACD
DESIGN CHANGES	7/20/2023	ACD
SEPTIC COMPUTATIONS	7/28/2023	ACD
SEPTIC COMPUTATIONS	8/31/2023	ACD

SEPTIC SYSTEM - MLSS DATA TABLE

SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	MLA	RJM
DESIGNED	DRAWN	CHECKED

NOT TO SCALE (SCALE)

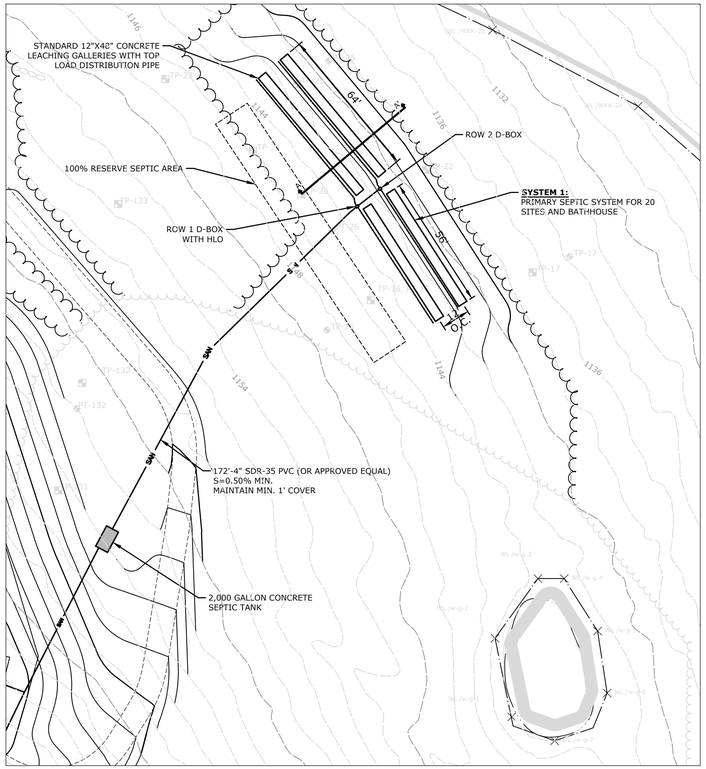
NOVEMBER 9, 2022 (DATE)

20174.00002 (PROJECT NO.)

22 OF 30 (SHEET NO.)

SD-3 (SHEET NAME)

SYSTEM 1



SYSTEM DESIGN

DESIGN BASIS: CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS DATED JANUARY 2023, AS AMENDED.

FLOW: 20 RV SITES, BATHHOUSE AND OFFICE

PERC RATE: 1.1-10.0 MIN/INCH

EFFECTIVE AREA REQUIRED = 1,411 SQ.FT.
RESTRICTIVE LAYER = MOTTLING AT 24" - TP-26
SLOPE = 10.1-15.0%
RS DEPTH = [30" (TOP OF SYSTEM TO RESTRICTIVE LAYER) + 26.5" (AVERAGE DEPTH TO RESTRICTIVE LAYER)] / 2 =28.25"
HYDRAULIC FACTOR (HF) = 24
FLOW FACTOR (FF) = 5.013
PERCOLATION FACTOR (PF) = 1.0
MLSS = 24*5.013*1.0 = 120.32 LF
PRIMARY AREA - USE 256 LF (2 ROWS OF 128') OF 12"X48" CONCRETE GALLERIES WITH TOP LOAD DISTRIBUTION PIPE
EFFECTIVE LEACHING AREA PROVIDED = 1,664 SF (2X128 LF @ 6.5 SQ.FT./L.F.)

RESERVE AREA
PERC RATE: 11.1-20.0 MIN/INCH
EFFECTIVE AREA REQUIRED = 1,670 SQ.FT.
RESTRICTIVE LAYER = 31" - TP-16

RESERVE AREA - USE 240 LF (2 ROWS OF 120') OF 18"X48" CONCRETE GALLERIES WITH TOP LOAD DISTRIBUTION PIPE
EFFECTIVE LEACHING AREA PROVIDED = 1,680 SF (2X120 LF @ 7.0 SQ.FT./L.F.)

SEPTIC SYSTEM INVERT ELEVATIONS

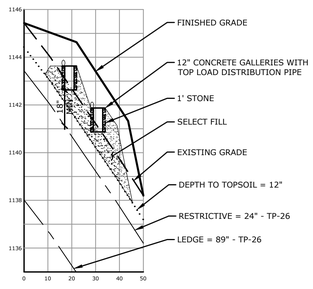
SEPTIC TANK INLET = 1161.00
SEPTIC TANK OUTLET = 1160.75

ROW 1 D-BOX = 1143.80
(HLO)= 1143.90

ROW 1 INVERT ELEVATION = 1143.63
ROW 1 BOTTOM ELEVATION = 1142.63

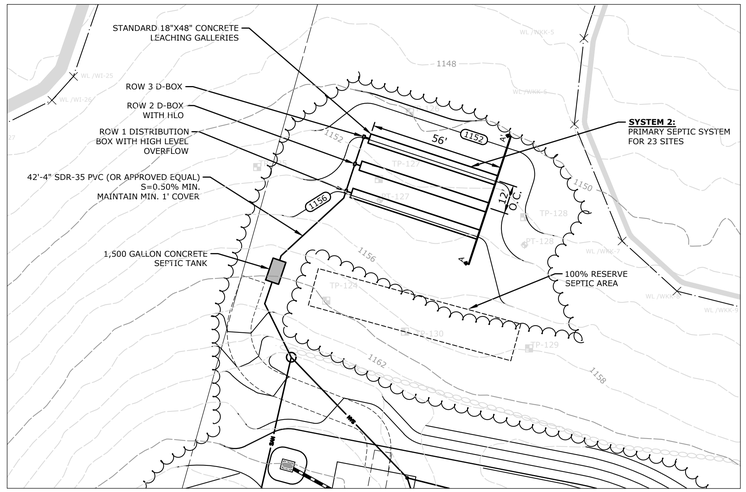
ROW 2 D-BOX = 1142.00

ROW 2 INVERT ELEVATION = 1141.87
ROW 2 BOTTOM ELEVATION = 1140.87



SECTION A-A' - SYSTEM 1
1"=30' HORIZONTAL - 1"=3' VERTICAL

SYSTEM 2



SYSTEM DESIGN

DESIGN BASIS: CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS DATED JANUARY 2023, AS AMENDED.

FLOW: 23 RV SITES

PERC RATE: 1.1-10.0 MIN/INCH

EFFECTIVE AREA REQUIRED = 1,006.25 SQ.FT.
RESTRICTIVE LAYER = MOTTLING AT 37" - TP-127
SLOPE = 8.1-10.0%
RS DEPTH = (52" (TOP OF SYSTEM TO RL) + 33" (AVERAGE DEPTH TO RESTRICTIVE LAYER SURROUNDING THE LEACHING SYSTEM) = 42.5"
HYDRAULIC FACTOR (HF) = 18
FLOW FACTOR (FF) = 2.68
PERCOLATION FACTOR (PF) = 1.0
MLSS = 18*2.68*1.0 = 48.30 LF
PRIMARY AREA - USE 168 LF (3 ROWS OF 56') OF 18"X48" CONCRETE GALLERIES
EFFECTIVE LEACHING AREA PROVIDED = 1,041.6 SF (3X56 LF @ 6.2 SQ.FT./L.F.)

RESERVE AREA
PERC RATE: 1.1-10.0 MIN/INCH
EFFECTIVE AREA REQUIRED = 1,006.25 SQ.FT.
RESTRICTIVE LAYER = 24"

RESERVE AREA - USE 176 LF (2 ROWS-88' LONG) OF 18"X48" CONCRETE GALLERIES
EFFECTIVE LEACHING AREA PROVIDED = 1,091.2 SF (176 LF @ 6.2 SQ.FT./L.F.)

SEPTIC SYSTEM INVERT ELEVATIONS

SEPTIC TANK INLET = 1156.75
SEPTIC TANK OUTLET = 1156.50

ROW 1 D-BOX = 1154.90
(HLO)=1155.00

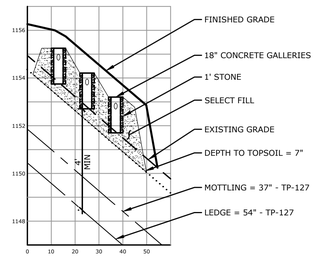
ROW 1 INVERT ELEVATION = 1154.75
ROW 1 BOTTOM ELEVATION = 1153.75

ROW 2 D-BOX = 1153.90
(HLO)=1154.00

ROW 2 INVERT ELEVATION = 1153.70
ROW 2 BOTTOM ELEVATION = 1152.70

ROW 3 D-BOX = 1152.90

ROW 3 INVERT ELEVATION = 1152.70
ROW 3 BOTTOM ELEVATION = 1151.70



SECTION A-A' - SYSTEM 2
1"=30' HORIZONTAL - 1"=3' VERTICAL

SCALE 1" = 30'

SLR
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CHESHIRE, CT 06410
203.271.1773
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DESCRIPTION	DATE	BY
TAHD COMMENTS	12/20/2022	ACD
DESIGN CHANGES	7/20/2023	ACD
SEPTIC COMPUTATIONS	7/28/2023	ACD
SEPTIC COMPUTATIONS	8/31/2023	ACD

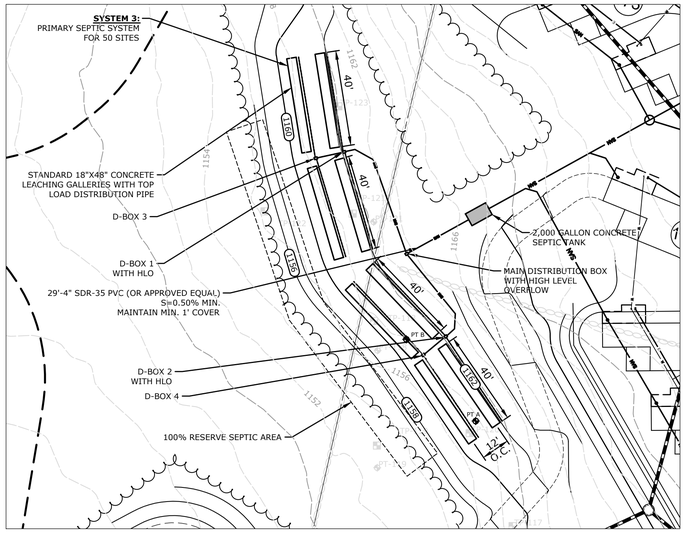
SEPTIC SYSTEM - SEPTIC DESIGN & CROSS SECTIONS

SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	MLA	RJM
DESIGNED	DRAWN	CHECKED

AS NOTED — SCALE
NOVEMBER 9, 2022 — DATE
20174.00002 — PROJECT NO.
23 OF 30 — SHEET NO.
SD-4 — SHEET NAME

SYSTEM 3



SYSTEM DESIGN

DESIGN BASIS: CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS DATED JANUARY 2023, AS AMENDED.

FLOW: 50 RV SITES

PERC RATE: 1.1-10.0 MIN/INCH

EFFECTIVE AREA REQUIRED = 2,187.5 SQ.FT.
RESTRICTIVE LAYER = DIGGABLE LEDGE AT 37" - TP-123
SLOPE = 10.1-15.0%
RS DEPTH = [42" (TOP OF SYSTEM TO RESTRICTIVE LAYER) + 37.50" (AVERAGE DEPTH TO RESTRICTIVE LAYER)] / 2 =39.75"
HYDRAULIC FACTOR (HF) = 18
FLOW FACTOR (FF) = 5.83
PERCOLATION FACTOR (PF) = 1.0
MLSS = 18*5.83*1.0 = 104.9 LF
PRIMARY AREA - USE 320 LF (2 ROWS OF 160') OF 18"X48" CONCRETE GALLERIES WITH TOP LOAD DISTRIBUTION PIPE
EFFECTIVE LEACHING AREA PROVIDED = 2,240 SF (2X160 LF @ 7.0 SQ.FT./L.F.)

RESERVE AREA
PERC RATE: 1.1-10.0 MIN/INCH
EFFECTIVE AREA REQUIRED = 2,187.5 SQ.FT.
RESTRICTIVE LAYER = 37" - TP-119

RESERVE AREA - USE 320 LF (2 ROWS OF 160') OF 18"X48" CONCRETE GALLERIES WITH TOP LOAD DISTRIBUTION PIPE
EFFECTIVE LEACHING AREA PROVIDED = 2,240 SF (320LF @ 7.0 SQ.FT./L.F.)

SEPTIC SYSTEM INVERT ELEVATIONS

SEPTIC TANK INLET = 1163.00
SEPTIC TANK OUTLET = 1162.75

MAIN D-BOX = 1162.0

ROW 1

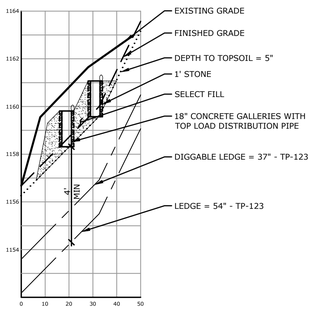
D-BOX 1 = 1161.20
(HLO)=1161.30
SECTION 1 INVERT ELEVATION = 1161.07
SECTION 1 BOTTOM ELEVATION = 1159.57

D-BOX 2 = 1161.45
(HLO)=1161.55
SECTION 2 INVERT ELEVATION = 1161.35
SECTION 2 BOTTOM ELEVATION = 1159.85

ROW 2

D-BOX 3 = 1159.95
SECTION 1 INVERT ELEVATION = 1159.81
SECTION 1 BOTTOM ELEVATION = 1158.31

D-BOX 4 1159.60
SECTION 2 INVERT ELEVATION = 1159.50
SECTION 2 BOTTOM ELEVATION = 1158.00



SECTION A-A' - SYSTEM 3
1"=30' HORIZONTAL - 1"=3' VERTICAL

SYSTEM 5

SYSTEM DESIGN

DESIGN BASIS: CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS DATED JANUARY 2023, AS AMENDED.

FLOW: EXISTING HOUSE (4 BEDROOMS)

PERC RATE: 10.1-20.0 MIN/INCH

EFFECTIVE AREA REQUIRED = 787.5 SQ.FT.
RESTRICTIVE LAYER = COMPACT AT 28" - TP-45
SLOPE = >15.0%
RS DEPTH = (AVERAGE DEPTH TO RESTRICTIVE LAYER) =33.3"

HYDRAULIC FACTOR (HF) = 18
FLOW FACTOR (FF) = 1.75
PERCOLATION FACTOR (PF) = 1.25
MLSS = 18*1.75*1.25 = 39.375 LF

RESERVE AREA - USE 144 LF (2 ROW OF 72' OF 12"X48" CONCRETE GALLERIES)
EFFECTIVE LEACHING AREA PROVIDED = 849.6 SF (2X72 LF @ 5.9 SQ.FT./L.F.)

0' 15' 30'
0 1/2" 1"
SCALE 1" = 30'

SLR

99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
TAND COMMENTS	12/20/2022	ACD
SITE LAYOUT CHANGES	4/6/2023	ACD
SITE LAYOUT CHANGES	4/6/2023	ACD
SITE LAYOUT CHANGES	7/20/2023	ACD
SEPTIC COMPUTATIONS	8/31/2023	ACD

SEPTIC SYSTEM - SEPTIC DESIGN & CROSS SECTIONS

SKYRIDGE TRAILS CAMPGROUND

232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	MLA	RJM
DESIGNED	DRAWN	CHECKED

AS NOTED
SCALE

NOVEMBER 9, 2022
DATE

20174.00002
PROJECT NO.

24 OF 30
SHEET NO.

SD-5
SHEET NAME

SYSTEM 4

SYSTEM DESIGN

DESIGN BASIS: CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS DATED JANUARY 2023, AS AMENDED.

FLOW: FUTURE BUILDING (OFFICE/CAFE/LAUNDRY/STORE)

PERC RATE: 10.1-20.0 MIN/INCH

EFFECTIVE AREA REQUIRED = 1,478.57 SQ.FT.
RESTRICTIVE LAYER = MOTTLING AT 33" - TP-28
SLOPE = 10.1-15.0%
RS DEPTH = 36" (TOP OF SYSTEM TO RESTRICTIVE LAYER) + 30" (DEPTH TO RESTRICTIVE LAYER SURROUNDING THE LEACHING SYSTEM) =33"

HYDRAULIC FACTOR (HF) = 20
FLOW FACTOR (FF) = 4.36
PERCOLATION FACTOR (PF) = 1.25
MLSS = 20*4.36*1.25 = 109 LF

PRIMARY AREA - USE 240 LF (2 ROWS OF 120' OF 12"X48" CONCRETE GALLERIES WITH TOP DISTRIBUTION PIPE)
EFFECTIVE LEACHING AREA PROVIDED = 1,560 (2x120 LF @ 6.5 SQ.FT./L.F.)

RESERVE AREA
PERC RATE: 10.1-20.0 MIN/INCH
EFFECTIVE AREA REQUIRED = 1,540 SQ.FT.
RESTRICTIVE LAYER = N/A

RESERVE AREA - USE 140 LF (2 ROWS-70' LONG) MANTIS 536-8
EFFECTIVE LEACHING AREA PROVIDED = 1,540 SF (2x70 LF @ 11.0 SQ.FT./L.F.)

SEPTIC SYSTEM INVERT ELEVATIONS

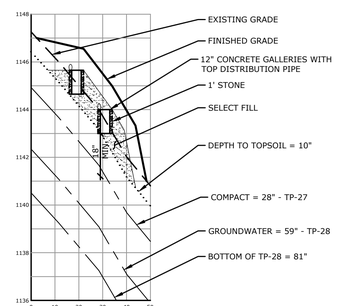
SEPTIC TANK INLET = TBD
SEPTIC TANK OUTLET = TBD

ROW 1 D-BOX = 1145.85
(HLO) = 1145.95

ROW 1 INVERT ELEVATION = 1145.65
ROW 1 BOTTOM ELEVATION = 1144.65

ROW 2 D-BOX = 1144.2

ROW 2 INVERT ELEVATION = 1144.00
ROW 2 BOTTOM ELEVATION = 1143.00



SECTION A-A' - SYSTEM 6
1"=30' HORIZONTAL - 1"=3' VERTICAL

0' 15' 30'
0 1/2" 1"
SCALE 1" = 30'

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

DESCRIPTION	DATE	BY
TAMD COMMENTS	12/20/2022	ACD
SITE LAYOUT CHANGES	4/6/2023	ACD
LAYOUT CHANGES	7/20/2023	ACD
SEPTIC COMPUTATIONS	8/31/2023	ACD
SITE REVISIONS	3/06/2024	ACD

SEPTIC SYSTEM - SEPTIC DESIGN & CROSS SECTIONS

SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	MLA	RJM
DESIGNED	DRAWN	CHECKED

SCALE: AS NOTED
DATE: NOVEMBER 9, 2022
PROJECT NO.: 20174.00002
SHEET NO.: 25 OF 30

SD-6
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 THE CONSTRUCTION OF THE

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:

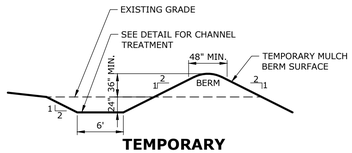
1. TEMPORARY PERVIOUS BARRIERS USING BALES OF HAY OR STRAW, HELD IN PLACE WITH STAKES DRIVEN THROUGH THE BALES AND INTO THE GROUND OR GEOTEXTILE FABRIC FASTENED TO A FENCE POST AND BURIED INTO THE GROUND, SHALL BE INSTALLED AND MAINTAINED AS REQUIRED TO CHECK EROSION AND REDUCE SEDIMENTATION.

CONSTRUCTION:

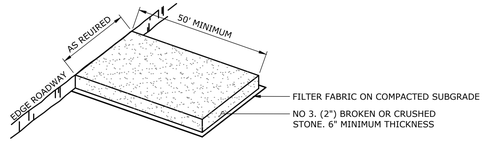
1. BALES SHOULD BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE EMBEDDED INTO THE SOIL A MINIMUM OF FOUR (4") INCHES.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY WOOD STAKES OR REINFORCEMENT BARS DRIVEN THROUGH THE BALES AND INTO THE GROUND. THE FIRST STAKE 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.

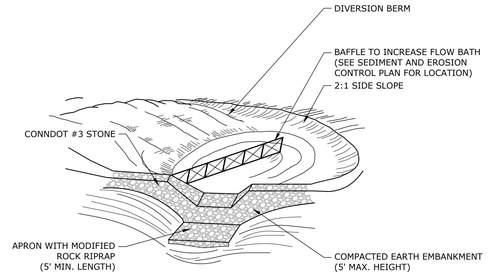


TEMPORARY DIVERSION BERM AND SWALE
NOT TO SCALE



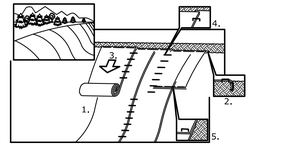
NOTES:
1. CONSTRUCTION ENTRANCE PAD SHALL BE INSTALLED AND MAINTAINED DURING OPERATIONS WHICH GENERATE VEHICULAR TRACKING OF MUD.

CONSTRUCTION ENTRANCE PAD
NOT TO SCALE



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

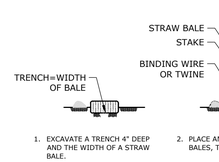
TEMPORARY SEDIMENT TRAP
NOT TO SCALE



NOTES:
1. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING SCC225, DO NOT SEED PREPARED AREA. SCC225 MUST BE INSTALLED WITH PAPER SIDE DOWN.
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



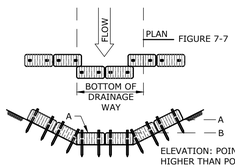
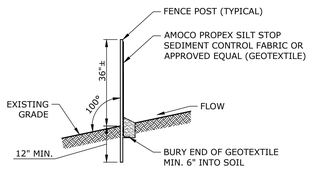


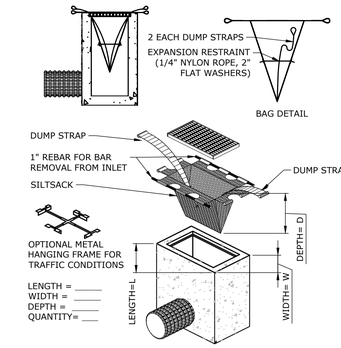
FIGURE 7-7 PLACEMENT AND CONSTRUCTION OF A STRAW BALE BARRIER

ELEVATION: POINTS A SHOULD BE HIGHER THAN POINTS B.

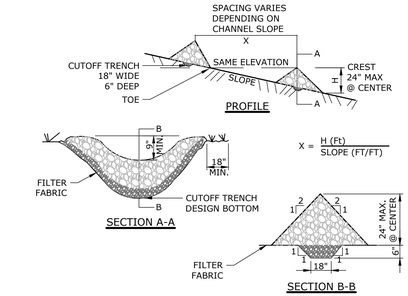
PLACEMENT & CONSTRUCTION OF A HAY BALE BARRIER
NOT TO SCALE



SEDIMENT FILTER FENCE
NOT TO SCALE



INLET SEDIMENT CONTROL DEVICE
NOT TO SCALE



NOTES:
1. STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
2. SET SPACING OF CHECK DAMS TO ASSUME THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION OF THE TOE OF THE UPSTREAM DAM.
3. EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
4. PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
5. ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONE. MAXIMUM DRAINAGE AREA 2 ACRES.

STONE CHECK DAM
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.

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.
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.

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

DESCRIPTION	DATE	BY

SITE DETAILS

SKYRIDGE TRAILS CAMPGROUND

232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
---	ACD	RJM

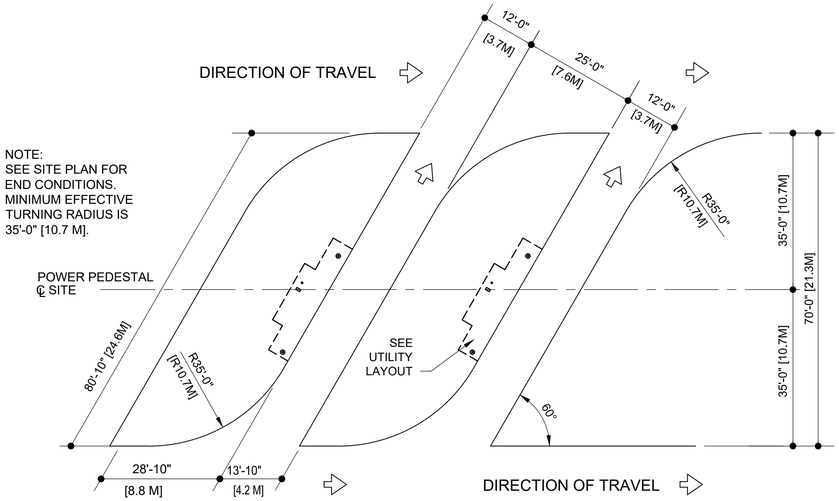
SCALE: NOT TO SCALE

DATE: NOVEMBER 9, 2022

PROJECT NO.: 20174.00002

SHEET NO.: 26 OF 30

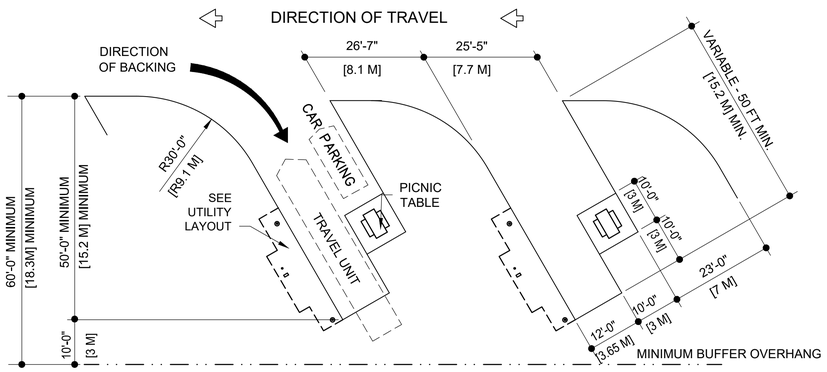
SHEET NAME: SD-7



NOTE: USABLE LENGTH OF TRAVEL UNIT SPACE 75-0" [22.8 M]

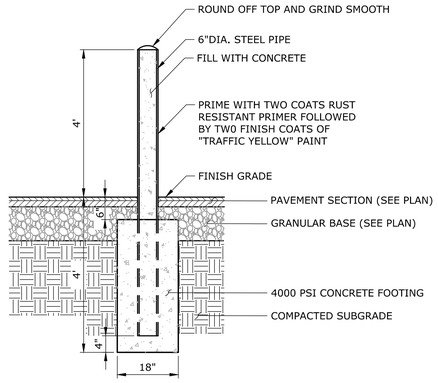
VEHICLE/RV PULL-THROUGH SITE

NOT TO SCALE



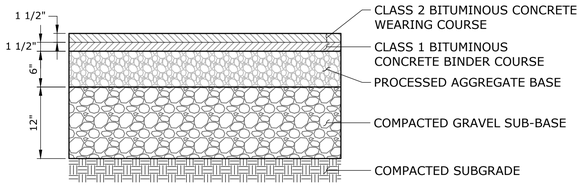
VEHICLE/RV BACK-IN SITE

NOT TO SCALE



FIXED STEEL BOLLARD 6"DIA.

NOT TO SCALE

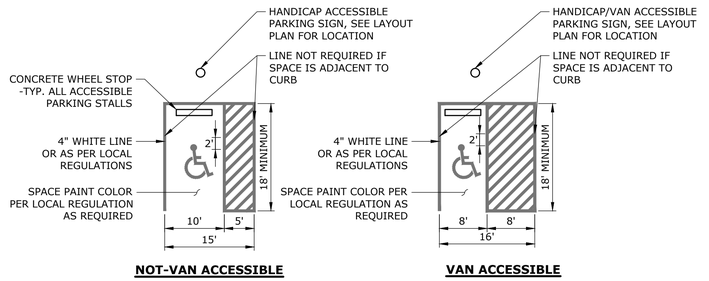


NOTES:

1. FULL DEPTH BITUMINOUS CONCRETE PAVEMENT REQUIRED AT ALL LOCATIONS WHERE PROPOSED FINISHED GRADES ARE LESS THAN SURFACE ELEVATIONS OF EXISTING BITUMINOUS CONCRETE PAVEMENT.
2. WHERE EXCAVATION IS REQUIRED TO ACHIEVE FINAL PAVEMENT GRADES, EXISTING PAVEMENT MUST BE REMOVED TO FULL DEPTH.

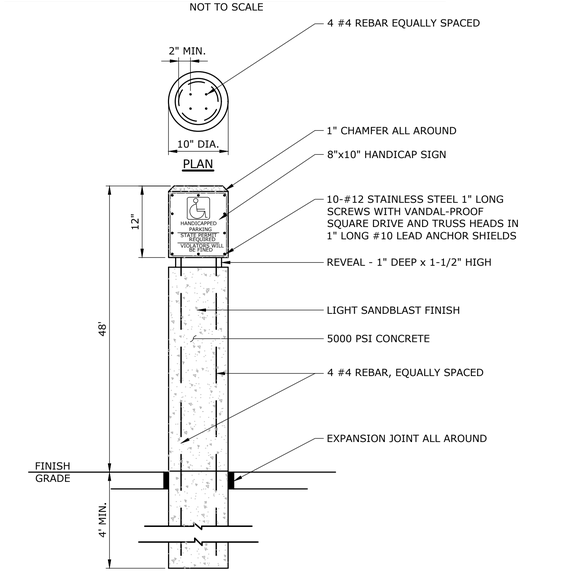
BITUMINOUS CONCRETE DRIVES AND ROADS

NOT TO SCALE



ACCESSIBLE PARKING STALL DETAIL

NOT TO SCALE

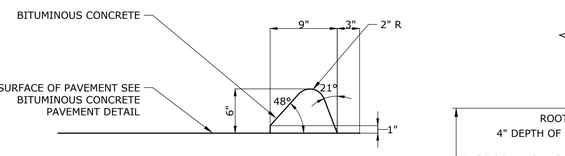


NOTES:

1. WHERE SHOWN IN SIDEWALK, SET SET FACE OF BOLLARD 6" MIN. BEHIND BACK OF CURB.

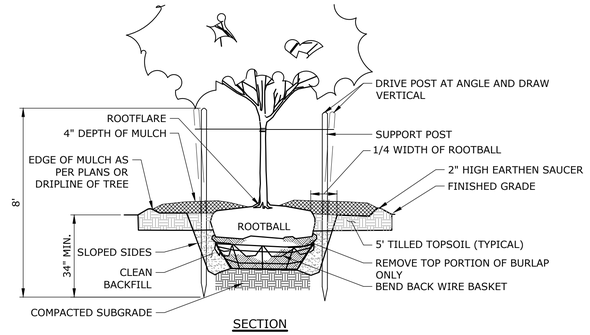
HANDICAPPED SIGN/BOLLARD

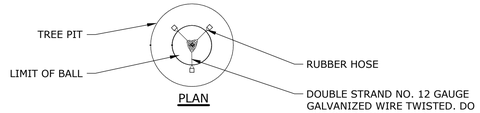
NOT TO SCALE



BITUMINOUS CONCRETE CURB

NOT TO SCALE



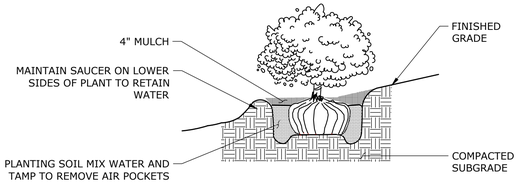


NOTE:

1. SUPPORT STAKES SHALL BE REMOVED BY THE CONTRACTOR ONE YEAR AFTER INSTALLATION.

TREE PLANTING

NOT TO SCALE

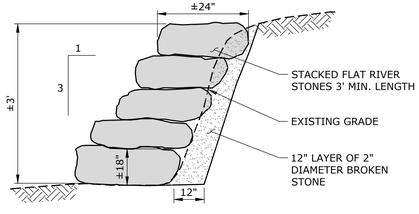


NOTES:

1. UNLESS OTHERWISE DIRECTED SHREDDED MULCH SHALL BE PLACED TO A LIMIT OF ONE FOOT BEYOND THE CENTER OF THE OUTERMOST SHRUBS IN SHRUB BED.

SHRUB PLANTING

NOT TO SCALE



STACKED FLAT BOULDER WALL

NOT TO SCALE

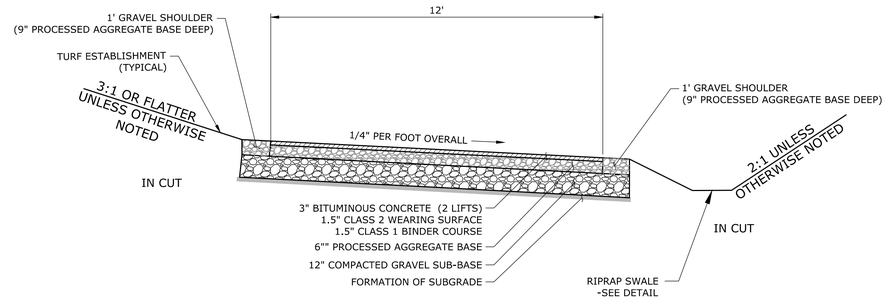
SLR
99 REALTY DRIVE
CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
DETAIL ADDITION AND REMOVAL	3/06/2024	ACD

SITE DETAILS
SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

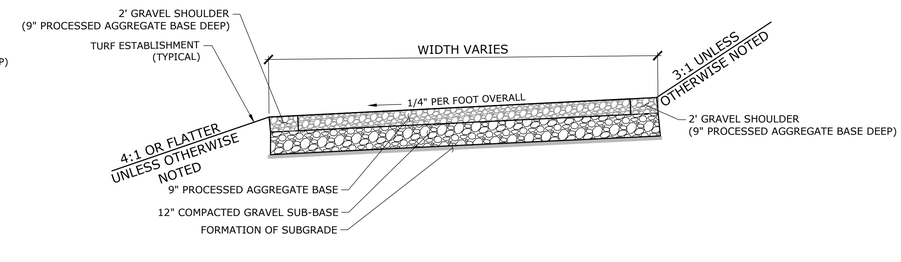
DESIGNED	DRAWN	CHECKED
---	MLA	RJM

SCALE: NOT TO SCALE
DATE: NOVEMBER 9, 2022
PROJECT NO.: 20174.00002
SHEET NO.: 27 OF 30
SHEET NAME: SD-8



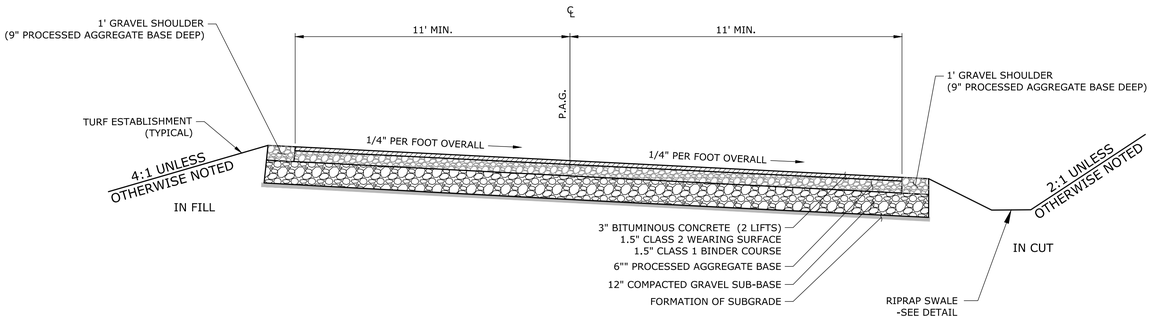
ROADWAY CROSS SECTION - IN/OUT LANES

NOT TO SCALE



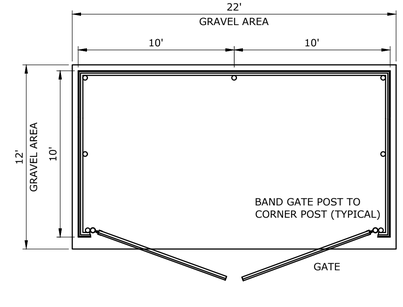
ROADWAY CROSS SECTION - 90° DEGREE CURVE

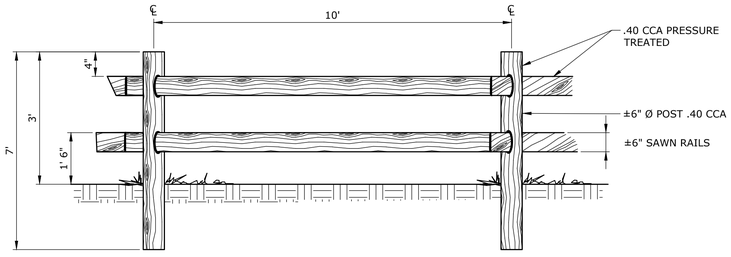
NOT TO SCALE



ROADWAY CROSS SECTION - TYPICAL

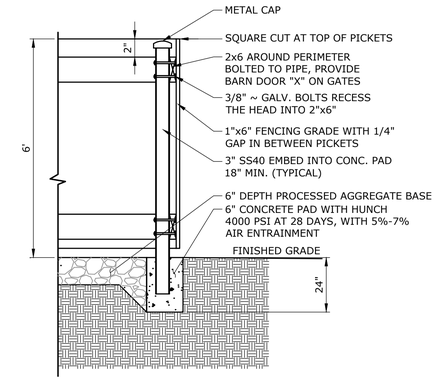
NOT TO SCALE





SPLIT RAIL FENCE

NOT TO SCALE

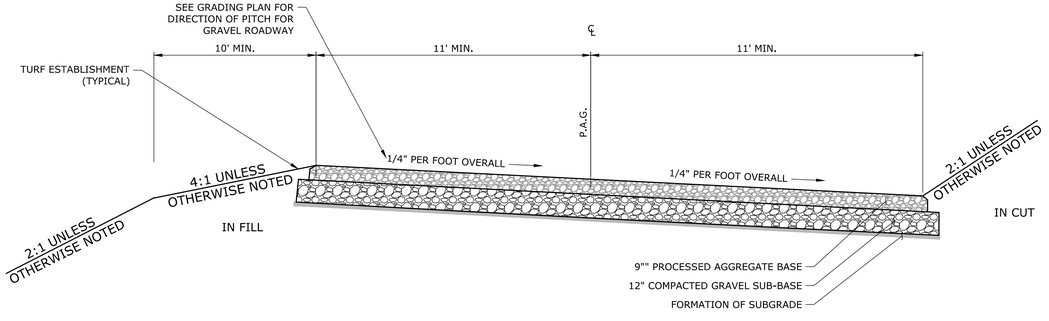


NOTES:

1. ALL WOODS TO BE WHITE CEDAR.

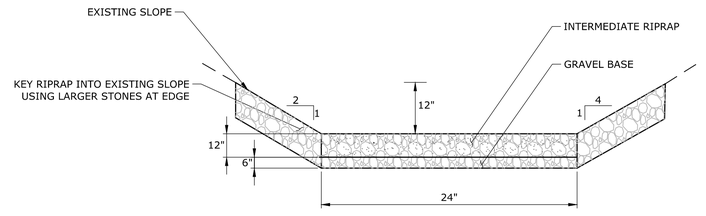
DUMPSTER SCREEN WITH STEEL FRAME

NOT TO SCALE



ROADWAY CROSS SECTION - GRAVEL

NOT TO SCALE



RIPRAP SWALE

NOT TO SCALE

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CHESHIRE, CT 06410
203.271.1773
SLRCONSULTING.COM

DESCRIPTION	DATE	BY
TOWN STAFF COMMENTS	11/02/2023	ACD
DETAIL REVISIONS	2/06/2023	ACD
90° DEGREE CURVE DETAIL	8/17/2023	ACD
ROADWAY CROSS SECTION DETAIL	2/06/2024	ACD

SITE DETAILS

SKYRIDGE TRAILS CAMPGROUND

232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

ACD	ACD	RJM
DESIGNED	DRAWN	CHECKED

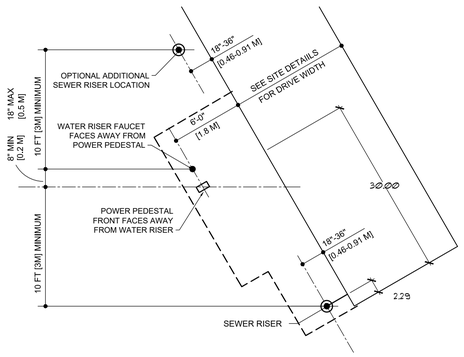
SCALE: AS NOTED

DATE: NOVEMBER 9, 2022

PROJECT NO.: 20174.00002

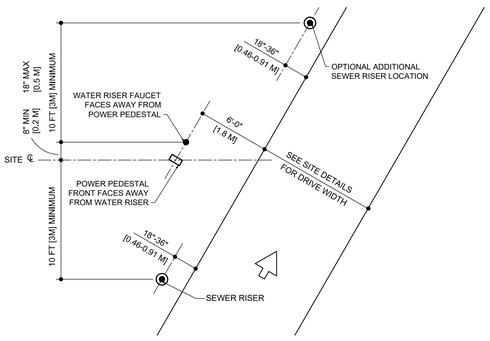
SHEET NO.: 28 OF 30

SHEET NAME: SD-9



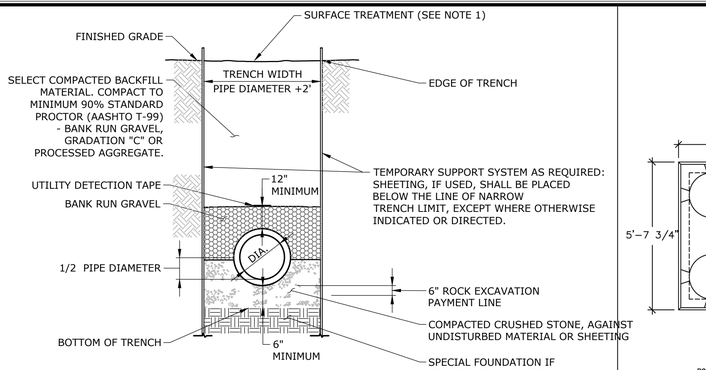
BACK-IN SITE UTILITY LAYOUT DETAIL

NOT TO SCALE



STANDARD PULL THROUGH UTILITY LAYOUT DETAIL

NOT TO SCALE



NOTES:

1. SEE APPROPRIATE DETAIL FOR PAVEMENT REPAIR INFORMATION WHEN INSTALLING SANITARY SEWER MAINS IN PAVED AREAS.

SANITARY SEWER TRENCH

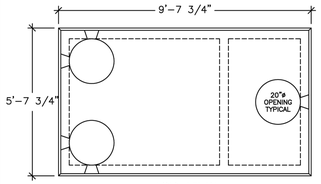
NOT TO SCALE

2000 GALLON REGULAR SEPTIC TANK

TANK DESIGN SPECIFICATION CONFORMS TO LATEST: ASTM DESIGNATION C1227

NOTES:

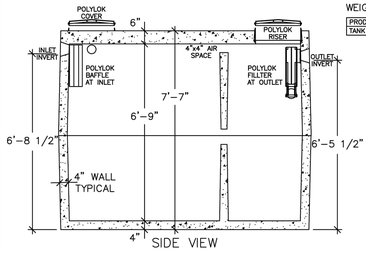
1. JOINT SEALANT IS BUTYL RUBBER MASTIC TYPE SEAL THAT CONFORMS TO LATEST AASHTO SPECIFICATION M-198. MEETS FEDERAL SPECIFICATION SS-S-0021(210-A).
2. PIPE INLET AND OUTLET LOCATIONS HAVE POLYLOK II PIPE SEALS.
3. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615.
3. REINFORCING STEEL WELDED WIRE FABRIC CONFORM TO LATEST ASTM SPECIFICATION A185.
5. CONCRETE COMPRESSIVE STRENGTH- 4000 PSI AT 28 DAYS.
6. METHOD OF MANUFACTURE: WET CAST.
7. SECTIONS ARE MONOLITHIC.



TOP VIEW
(COVERS AND RISERS REMOVED)

WEIGHT CHART

PRODUCT	APPROX WEIGHT
TANK	16100 LBS.



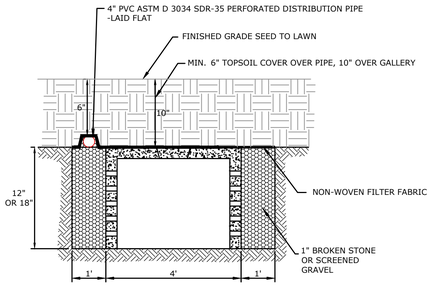
SIDE VIEW

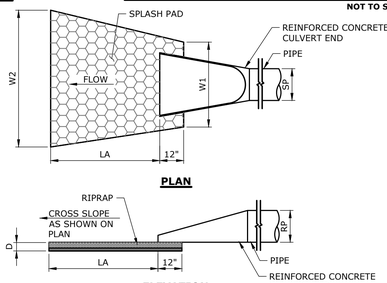
UNITED CONCRETE PRODUCTS INC.

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

TYPICAL SECTION THRU LEACHING GALLERY WITH TOP DISTRIBUTION PIPE

NOT TO SCALE



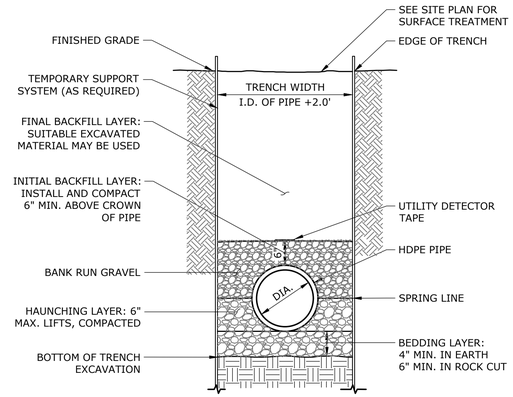


ELEVATION

OUTLET PROTECTION ID	TYPE	SP (FT)	RP (FT)	LA (FT)	W1 (FT)	W2 (FT)	D (IN)
FES 5	INTERMEDIATE TYPE A	1.0	1.0	10.0	3.0	10.0	18
FES 8	STANDARD TYPE B	1.0	1.0	12.0	3.0	8.0	36
FES 13	MODIFIED TYPE A	1.0	1.0	10.0	3.0	10.0	12

FLARED END WITH RIP RAP SPLASH PAD

NOT TO SCALE

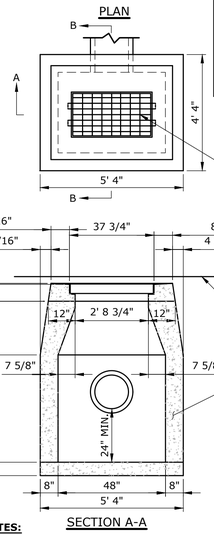


NOTES:

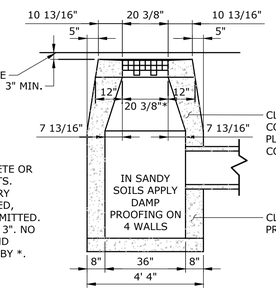
1. BACKFILL MATERIAL USED IN BEDDING AND HAUNCHING SHALL BE 3/4" CRUSHED STONE.
2. PAYMENT LIMIT FOR ROCK IN TRENCH TO BE PIPE DIAMETER + 3.0'

STORM DRAINAGE TRENCH

NOT TO SCALE



SECTION A-A



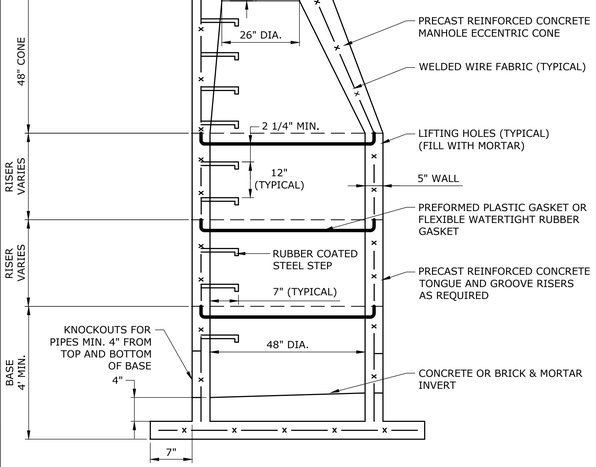
SECTION B-B

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.

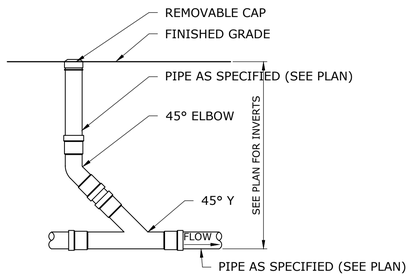
TYPE "C-L" CATCH BASIN

NOT TO SCALE



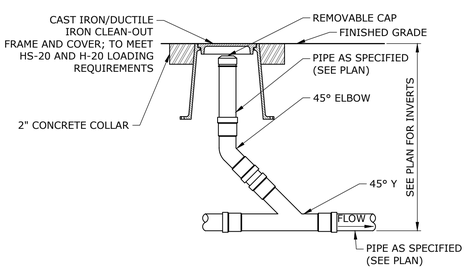
STORM MANHOLE

NOT TO SCALE



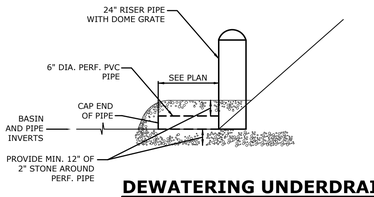
SANITARY/STORM CLEANOUT

NOT TO SCALE



SANITARY/STORM CLEANOUT FOR USE ON PAVED AREAS

NOT TO SCALE



DEWATERING UNDERDRAIN

NOT TO SCALE

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

DESCRIPTION	DATE	BY
RIP RAP SWALE DETAIL	12/7/2022	ACD
TOWN STAFF COMMENTS	1/10/2022	ACD

SITE DETAILS
SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
---	MLA	RJM

SCALE: NOT TO SCALE
DATE: NOVEMBER 9, 2022
PROJECT NO.: 20174.00002
SHEET NO.: 29 OF 30
SHEET NAME: SD-10

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

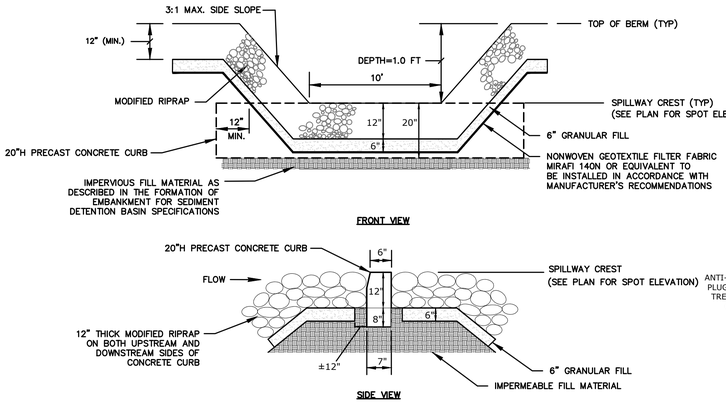
BACKFILL SHALL BE COMPACTED BY HAND TAMPING WITH MECHANICAL TAMPERS. HEAVY EQUIPMENT SHALL NOT BE OPERATED WITHIN TWO FEET OF ANY STRUCTURE. EQUIPMENT SHALL NOT BE ALLOWED TO OPERATE OVER THE OUTLET CONDUITS UNTIL THERE IS 24 INCHES OF FILL OVER THE PIPE CONDUITS.

6. FINISHING EMBANKMENTS

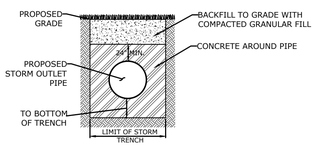
THE EMBANKMENTS SHALL BE CONSTRUCTED TO THE ELEVATIONS, LINES, GRADES AND CROSS-SECTIONS AS SHOWN ON THE DRAWINGS. THE EMBANKMENTS SHALL BE MAINTAINED IN A MANNER SATISFACTORY TO THE ENGINEER AND SURFACES SHALL BE COMPACT AND ACCURATELY GRADED BEFORE TOPSOIL IS PLACED ON THEM. THE CONTRACTOR SHALL CHECK 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.



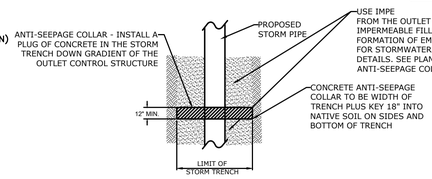
FRONT VIEW



SIDE VIEW

EMERGENCY RIPRAP SPILLWAY

NOT TO SCALE



ANTI SEEPAGE COLLAR

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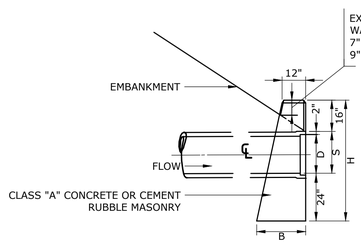
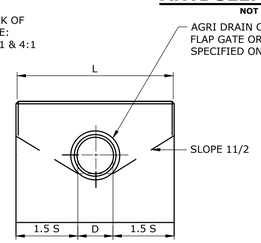


WALL AT THE FOOT OF SLOPE



FRONT ELEVATION

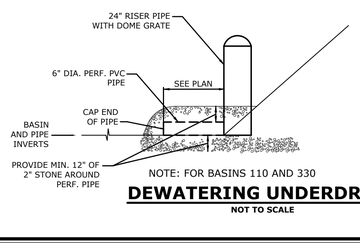
NOTES:

H = TOTAL HEIGHT OF ENDWALL.
B = BASE.
D = INSIDE DIAMETER OF PIPE.
S = HEIGHT OF SLOPE ABOVE FLOW LINE AT FACE OF WALL-MINIMUM=D+2
L = LENGTH OF WALL=3S+D

1. CONCRETE END WALL MAY BE SUBSTITUTED WITH STONE END WALL UPON APPROVAL.
2. ALL EDGES OF EXPOSED SURFACES TO BE CHAMFERED APPROXIMATELY 1"
3. VOLUME BASED ON "D" AND WALL THICKNESS AT ℄ OF PIPE HAS BEEN DEDUCTED.

CONCRETE HEADWALL

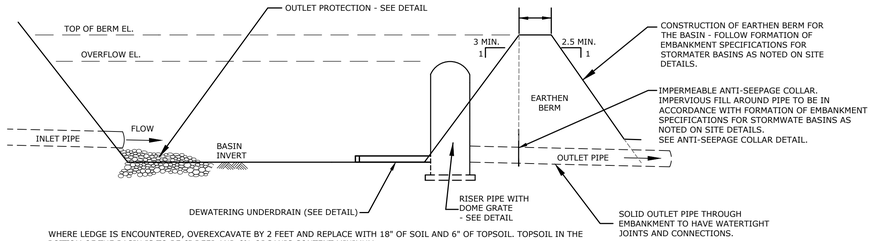
NOT TO SCALE



NOTE: FOR BASINS 110 AND 330

DEWATERING UNDERDRAIN

NOT TO SCALE

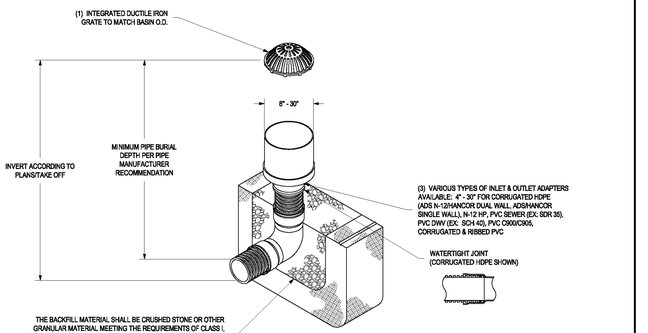


WHERE LEDGE IS ENCOUNTERED, OVEREXCAVATE BY 2 FEET AND REPLACE WITH 18" OF SOIL AND 6" OF TOPSOIL. TOPSOIL IN THE BOTTOM OF THE BASIN IS TO BE 6" DEEP AND 6% ORGANIC CONTENT MINIMUM.

TYPICAL DETENTION BASIN

NOT TO SCALE

NYLOPLAST INLINE DRAIN WITH DOME GRATE



1 - 8" - 30" DOME GRATES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05.
2 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER (8" - 24").
3 - 8" - 30" DOME GRATES HAVE NO LOAD RATING

DRAWN BY	ESC	MATERIAL	
DATE	03-25-16		
REVISED BY	NMH	PROJECT NO./NAME	
DATE	03-15-16		
DWG SIZE	A	SCALE 1:40	SHEET 1 OF 1

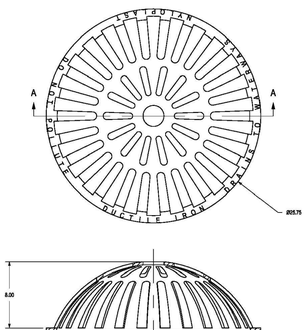
Nyloplast — 3126 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com

TITLE: INLINE DRAIN WITH DOME GRATE QUICK SPEC INSTALLATION DETAIL

DWG NO. 7903-116-057 REV D

2499CGD

APPROX. DRAIN AREA= 370.64 SQ IN
APPROX. WEIGHT = 43.00 LBS



SECTION A-A

DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-60-06
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
LOCKING DEVICE AVAILABLE UPON REQUEST

DRAWN BY	ESC	MATERIAL	DUCTILE IRON
DATE	03-08-06		
REVISED BY	CCK	PROJECT NO./NAME	
DATE	08-08-16		
DWG SIZE	A	SCALE 1:6	SHEET 1 OF 1

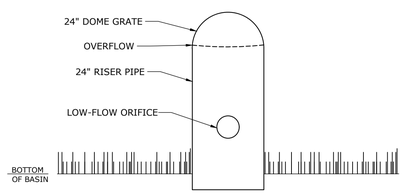
ADS Nyloplast — 3126 VERONA AVE BUFORD, GA 30518 PHN (770) 932-2443 FAX (770) 932-2490 www.nyloplast-us.com

TITLE: 24 IN DOME GRATE

DWG NO. 7901-119-219 REV E

INLINE DRAIN WITH DOME GRATE FOR STORMWATER BASINS

NOT TO SCALE



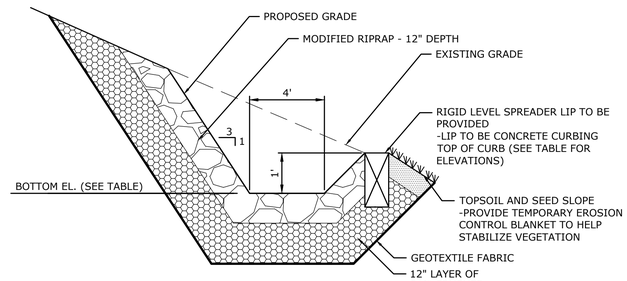
FRONT VIEW

DET 110		DET 310	
TOP OF BERM ELEVATION	1142.0	TOP OF BERM ELEVATION	1156.0
OVERFLOW ELEVATION	1140.5	OVERFLOW ELEVATION	1153.5
100-YEAR WATER SURFACE ELEV.	1140.9	100-YEAR WATER SURFACE ELEV.	1154.9
LOW FLOW ORIFICE DIAMETER	6.0"	LOW FLOW ORIFICE DIAMETER	8.0"
LOW FLOW ORIFICE INVERT	1137.0	LOW FLOW ORIFICE INVERT	1152.0
OUTLET PIPE DIAMETER	15"	OUTLET PIPE DIAMETER	15"
OUTLET PIPE INVERT	1136.0	OUTLET PIPE INVERT	1151.0
BASIN BOTTOM ELEVATION	1136.0	BASIN BOTTOM ELEVATION	1151.0

DET 120		DET 410	
TOP OF BERM ELEVATION	1138.0	TOP OF BERM ELEVATION	1134.0
OVERFLOW ELEVATION	1136.4	OVERFLOW ELEVATION	1131.9
100-YEAR WATER SURFACE ELEV.	1136.8	100-YEAR WATER SURFACE ELEV.	1132.8
LOW FLOW ORIFICE DIAMETER	6.0"	LOW FLOW ORIFICE DIAMETER	8.0" (2 ORIF.)
LOW FLOW ORIFICE INVERT	1134.4	LOW FLOW ORIFICE INVERT	1129.2
OUTLET PIPE DIAMETER	15"	OUTLET PIPE DIAMETER	15"
OUTLET PIPE INVERT	1134.0	OUTLET PIPE INVERT	1128.0
BASIN BOTTOM ELEVATION	1134.0	BASIN BOTTOM ELEVATION	1128.0

DETENTION BASIN OUTLET CONTROL STRUCTURES

SCALE: 1"=2'



LEVEL SPREADER ID	BOTTOM EL. (FT)	TOP OF CURB EL. (FT)
110	1135.0	1136.0
120	1133.0	1134.0
310	1149.0	1150.0
410	1125.0	1126.0

LEVEL SPREADER

NOT TO SCALE

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

DESCRIPTION | DATE | BY

SITE DETAILS
SKYRIDGE TRAILS CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

DESIGNED	DRAWN	CHECKED
---	MLA	RJM

SCALE: NOT TO SCALE
DATE: NOVEMBER 9, 2022
PROJECT NO.: 20174.00002
SHEET NO.: 30 OF 30
SHEET NAME: SD-11