

**GENERAL NOTES**

- BOUNDARY INFORMATION IS BASED UPON A FIELD SURVEY CONDUCTED BY SLR AND TOPOGRAPHIC INFORMATION IS BASED ON GIS WITH LIMITED FIELD TOPO.
- 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.
- THE EXACT LOCATION AND SIZE OF ELECTRIC, TELEPHONE AND CABLE TELEVISION ARE TO BE DETERMINED BY THE RESPECTIVE UTILITY COMPANIES.
- ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
- 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.
- 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.
- 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.
- ALL STORM DRAIN PIPE HDPE UNLESS OTHERWISE INDICATED.
- ALL PROPOSED CONTOURS AND SPOT ELEVATIONS INDICATE FINISHED GRADE.
- 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
- 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.
- COMPLIANCE WITH THE PERMIT CONDITIONS IS THE RESPONSIBILITY OF BOTH THE CONTRACTOR AND THE PERMITEE.
- 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.
- A SUPPLY OF ABSORBENT SPILL RESPONSE MATERIAL SHOULD BE KEPT ON-SITE TO CLEAN UP ANY SPILLS OF HAZARDOUS MATERIALS.

**CONSTRUCTION SEQUENCE**

- 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.
- CONTRACTOR TO STAKE OUT LIMIT OF DISTURBANCE AND VEGETATION TO BE RETAINED. NO DISTURBANCE IS TO TAKE PLACE BEYOND THE LIMITS OF WORK SHOWN.
- CONTRACTOR TO INSTALL SEDIMENT AND EROSION CONTROLS ALONG THE PERIMETER, AND STABILIZED CONSTRUCTION ENTRANCES.
- CLEAR AND GRUB SITE AND STOCKPILE TOPSOIL. PLACE SEDIMENT FILTER FENCE AND HAYBALES AROUND STOCKPILES.
- CONTRACTOR TO INSTALL TEMPORARY SEDIMENT TRAPS PER THE SEDIMENT AND EROSION CONTROL PLAN.
- INITIATE MASS EARTHWORK OPERATIONS AFTER ALL BASINS, BERMS, SWALES, SILT FENCE & HAYBALES ARE INSTALLED
- INSTALL UTILITIES, RV SITES AND PARKING LOTS/DRIVEWAYS WHERE NOTED ON THE PLANS.
- SLOPES ARE TO BE ESTABLISHED AS SOON AS PRACTICAL BEFORE UTILITY INSTALLATION. STABILIZE ALL SLOPES IMMEDIATELY AFTER THEIR ESTABLISHMENT.
- 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**

- 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.
- 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.
- INSPECTION OF THE SITE FOR EROSION SHALL CONTINUE FOR A PERSON OF THREE MONTHS AFTER COMPETITION WHEN RAINFALLS OF ONE INCH OR MORE OCCUR.
- THE SITE SHOULD BE KEPT CLEAN OF LOOSE DEBRIS, LITTER AND BUILDING MATERIALS SUCH THAT NONE OF THE ABOVE ENTER WATERS OR WETLANDS.
- 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)**

- 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.
- 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.
- A LOG OF ALL INSPECTION AND CLEANING SHALL BE MAINTAINED BY THE OCCUPANT AND BE AVAILABLE FOR INSPECTION.
- 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.

# KLUG HILL RV PARK KOA CAMPGROUND

232 KLUG HILL ROAD  
TORRINGTON, CONNECTICUT

REGULATORY SUBMISSION  
NOVEMBER 9, 2022



**PROJECT SITE VICINITY MAP:**



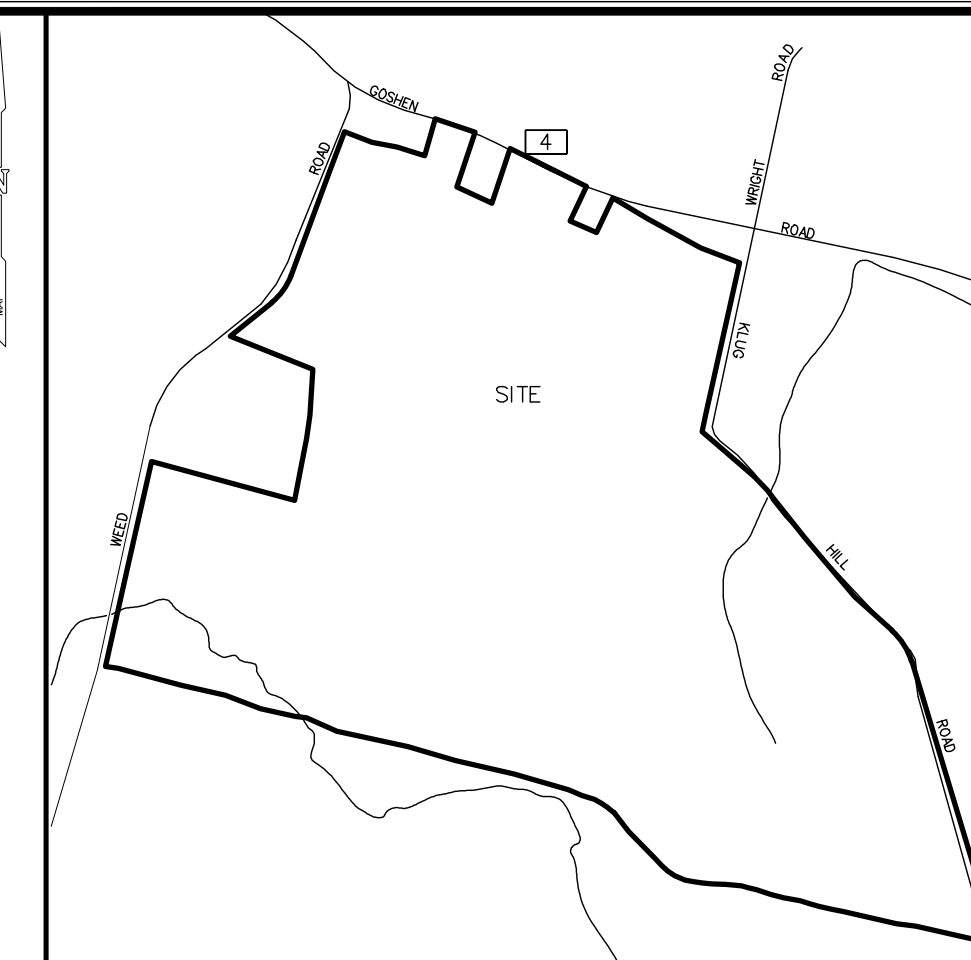
**PROJECT DATA**

EXISTING ZONE:	R-60
PROPOSED USE:	RECREATIONAL VEHICLE PARK
TOTAL PARCEL AREA:	±225.87 AC.
TOTAL PROPOSED RV SITES:	91 SITES

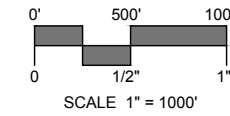
R-60 -DIMENSIONAL CRITERIA	REQ'D/PERMITTED	PROPOSED/PROVIDED
LOT AREA	60,000 SF (MIN)	±225.87 AC.
LOT WIDTH	200' (MIN)	>200'
FRONT YARD SETBACK	50' (MIN)	>50'
SIDE YARD SETBACK	25' (MIN)	>25'
REAR YARD SETBACK	100' (MIN)	>100'
IMPERVIOUS SURFACE RATIO	30% (MAX)	<30%
BUILDING COVERAGE RATIO	10% (MAX)	<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 ±106,942 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

**PREPARED BY:**



**LOCATION MAP:**



**OWNER:**

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

**APPLICANT:**

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

**LIST OF DRAWINGS**

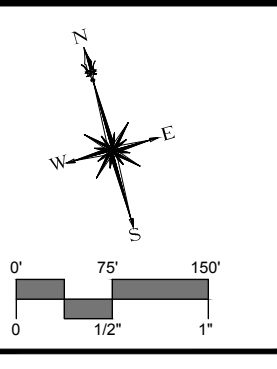
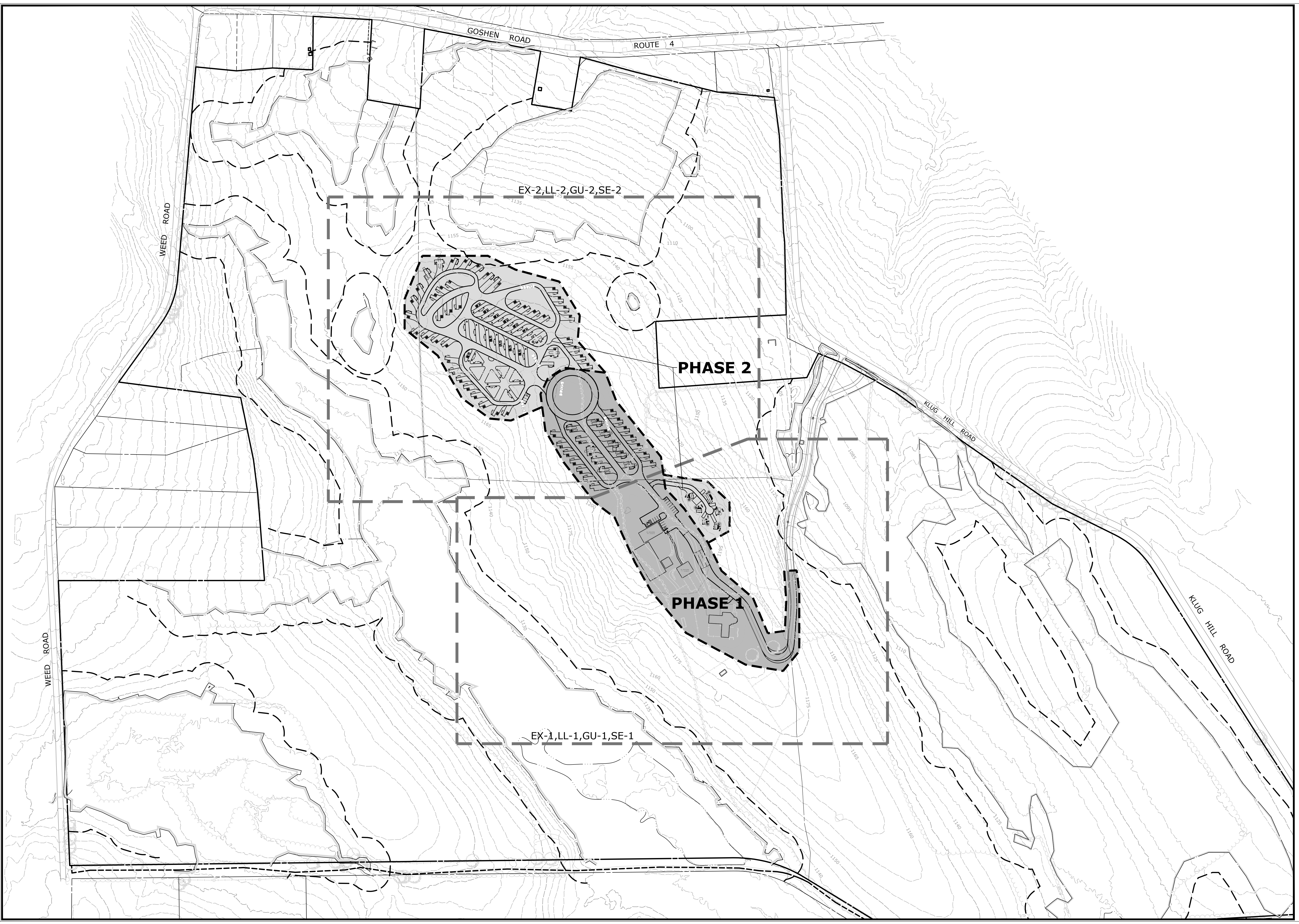
NO.	NAME	TITLE
01	--	TITLE SHEET
02	IN	INDEX & PHASING PLAN
03 - 04	EX-1 - 2	EXISTING CONDITIONS
05 - 06	LL-1 - 2	SITE PLAN - LAYOUT AND LANDSCAPING
07 - 08	GU-1 - 2	SITE PLAN - GRADING & UTILITIES
09 - 10	SE-1 - 2	SEDIMENT AND EROSION CONTROL PLAN
11 - 12	SD-1 - SD-2	SEPTIC SYSTEM - SOIL TESTING RESULTS
13	SD-3	SEPTIC SYSTEM - MLSS DATA TABLE
14-15	SD-4 - SD-5	SEPTIC SYSTEM - SEPTIC DESIGN & CROSS SECTIONS
16-19	SD-6 - SD-9	SITE DETAILS



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Call before you dig.  
www.cbyd.com



NOV 10 2021 11:00 AM



**SLR**  
98 REALTY DRIVE  
SUITE 100  
TORRINGTON, CT 06860  
203.771.1772  
SLRCONSULTING.COM

DESCRIPTION	DATE	BY

**INDEX & PHASING PLAN**  
KLUG HILL RV PARK  
KOA CAMPGROUND  
232 KLUG HILL ROAD  
TORRINGTON, CONNECTICUT

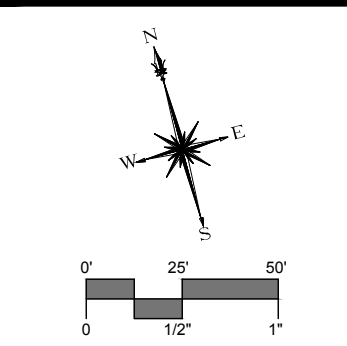
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SCALE 1"=150'		
DATE NOVEMBER 9, 2022		
PROJECT NO. 20174.00002		
SHEET NO. 02 OF 19		

**IN**









**SLR**  
 99 REATY DRIVE  
 SUITE 100  
 TORRINGTON, CT 06460  
 203.271.1772  
 SLRCONSULTING.COM

DESCRIPTION	DATE	BY

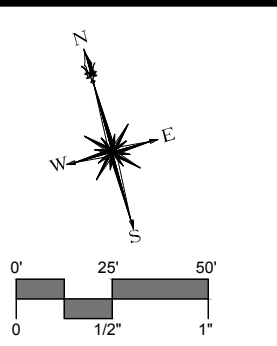
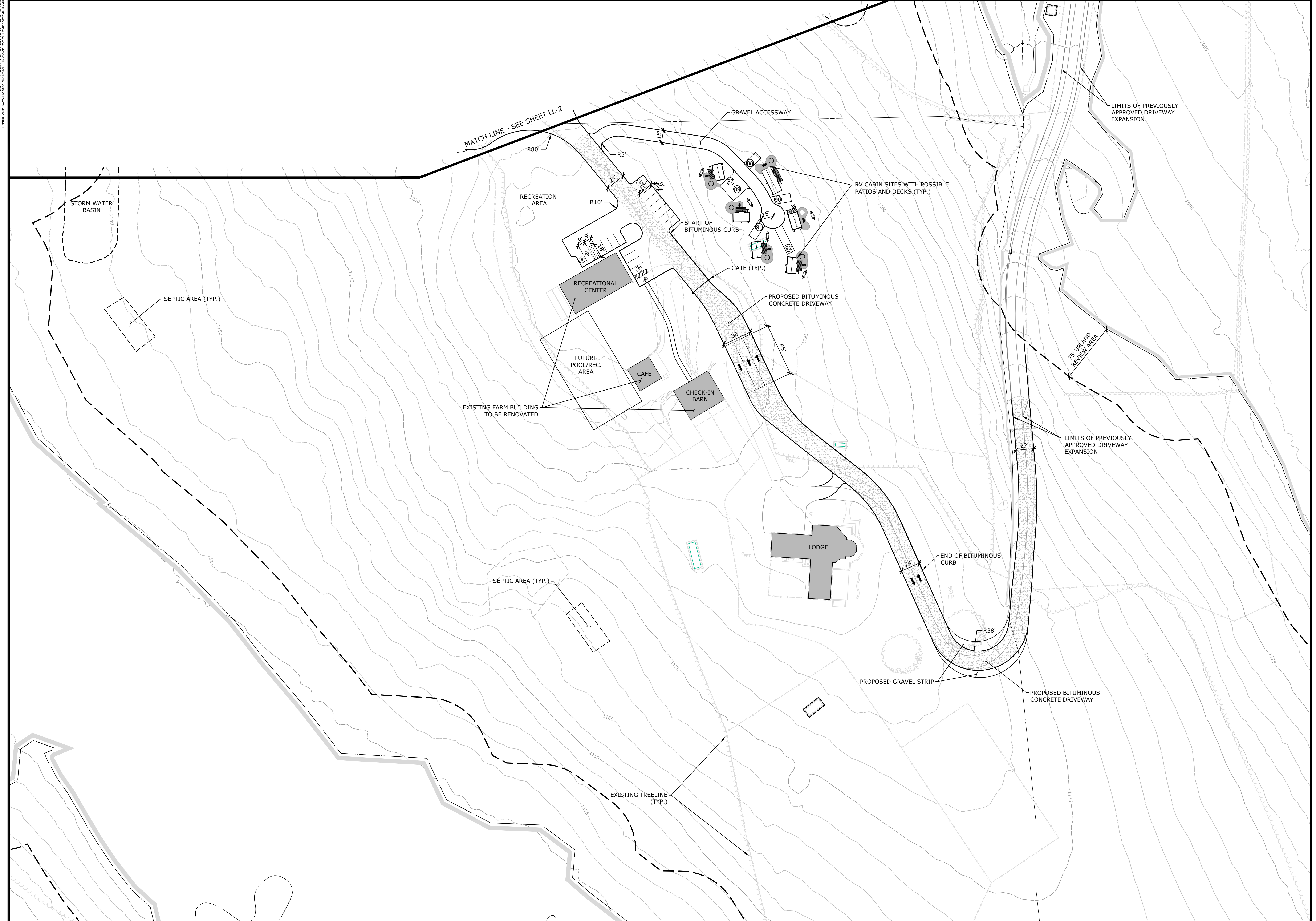
**SITE PLAN - EXISTING CONDITIONS**  
 KLUG HILL RV PARK  
 KOA CAMPGROUND  
 232 KLUG HILL ROAD  
 TORRINGTON, CONNECTICUT

ACD	ACD	RJM
DESIGNED	DRAWN	CHECKED
SCALE		
1"=50'		
DATE		
NOVEMBER 9, 2022		
PROJECT NO.		
20174.00002		
SHEET NO.		
04 OF 19		

**EX-2**

I HEREBY CERTIFY THAT THE INLAND WETLAND BOUNDARY AND WATERCOURSE LINE(S) AS SHOWN ON THIS MAP ARE SUBSTANTIALLY CORRECT.  
*Matthew Sanford*  
 MATTHEW SANFORD - CERTIFIED SOIL SCIENTIST





**SLR**  
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 SUITE 100  
 TORRINGTON, CT 06460  
 203.771.1772  
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DESCRIPTION	DATE	BY

**SITE PLAN - LAYOUT & LANDSCAPING**  
 KLUG HILL RV PARK  
 KOA CAMPGROUND  
 232 KLUG HILL ROAD  
 TORRINGTON, CONNECTICUT

ACD DESIGNED	ACD DRAWN	RJM CHECKED
SCALE 1"=50'		
DATE NOVEMBER 9, 2022		
PROJECT NO. 20174.00002		
SHEET NO. 05 OF 19		

**LL-1**

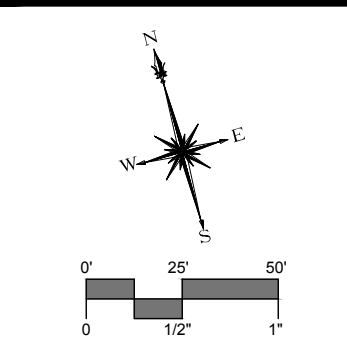
SHEET 4 OF 19  
 PROJECT NO. 20174.00002  
 DATE NOVEMBER 9, 2022  
 TORRINGTON, CONNECTICUT





**REGULATED ACTIVITY #1**  
 DESCRIPTION: CLEARING AND GRUBBING OF EXISTING WOODS. INSTALLATION OF SEPTIC LEACHING FIELDS AND STORM WATER MANAGEMENT BASIN AND ASSOCIATED INFRASTRUCTURE.  
 DIRECT WETLAND ACTIVITY: 0 SF (0.0 AC)  
 UPLAND REVIEW ACTIVITY: 25,545 SF (0.586 AC)

**REGULATED ACTIVITY #2**  
 DESCRIPTION: CLEARING AND GRUBBING OF EXISTING WOODS. STORM WATER MANAGEMENT BASINS AND ASSOCIATED INFRASTRUCTURE.  
 DIRECT WETLAND ACTIVITY: 0 SF (0.0 AC)  
 UPLAND REVIEW ACTIVITY: 14,850 SF (0.340 AC)



**SLR**  
 99 REALTY DRIVE  
 SUITE 100  
 TORRINGTON, CT 06860  
 TEL: 203.771.7171  
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DESCRIPTION	DATE	BY

**SITE PLAN - LAYOUT & LANDSCAPING**  
 KLUG HILL RV PARK  
 KOA CAMPGROUND  
 232 KLUG HILL ROAD  
 TORRINGTON, CONNECTICUT

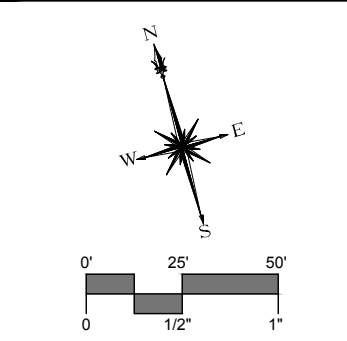
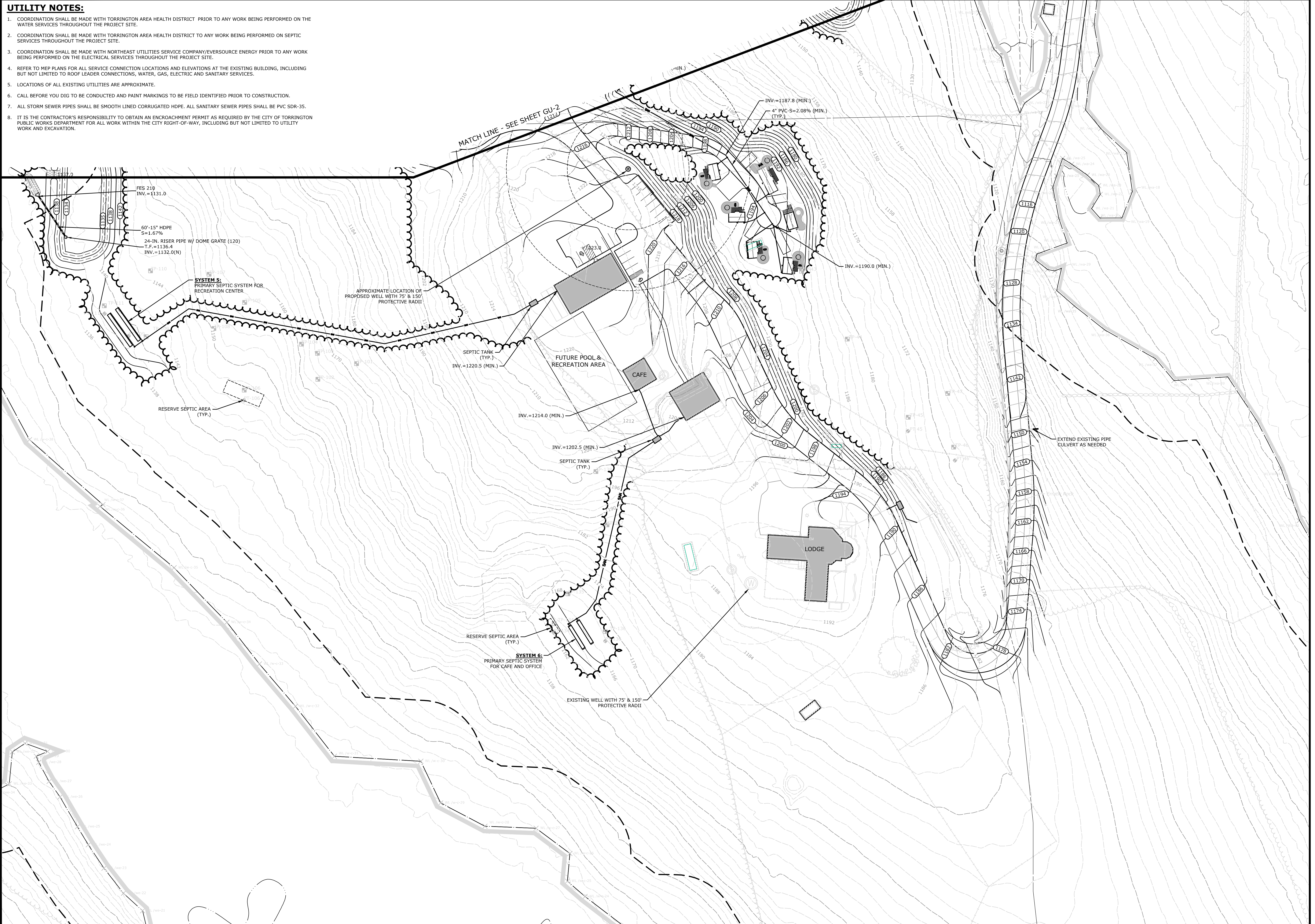
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DESIGNED	DRAWN	CHECKED
SCALE: 1"=50'		
DATE: NOVEMBER 9, 2022		
PROJECT NO.: 20174.00002		
SHEET NO.: 06 OF 19		

**LL-2**



**UTILITY NOTES:**

- COORDINATION SHALL BE MADE WITH TORRINGTON AREA HEALTH DISTRICT PRIOR TO ANY WORK BEING PERFORMED ON THE WATER SERVICES THROUGHOUT THE PROJECT SITE.
- COORDINATION SHALL BE MADE WITH TORRINGTON AREA HEALTH DISTRICT TO ANY WORK BEING PERFORMED ON SEPTIC SERVICES THROUGHOUT THE PROJECT SITE.
- 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.
- 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.
- LOCATIONS OF ALL EXISTING UTILITIES ARE APPROXIMATE.
- CALL BEFORE YOU DIG TO BE CONDUCTED AND PAINT MARKINGS TO BE FIELD IDENTIFIED PRIOR TO CONSTRUCTION.
- ALL STORM SEWER PIPES SHALL BE SMOOTH LINED CORRUGATED HDPE. ALL SANITARY SEWER PIPES SHALL BE PVC SDR-35.
- 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.



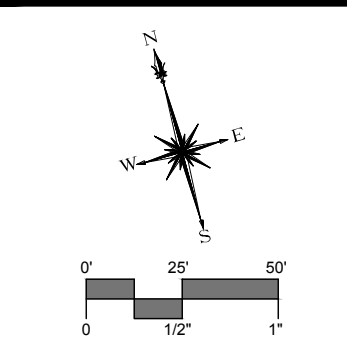
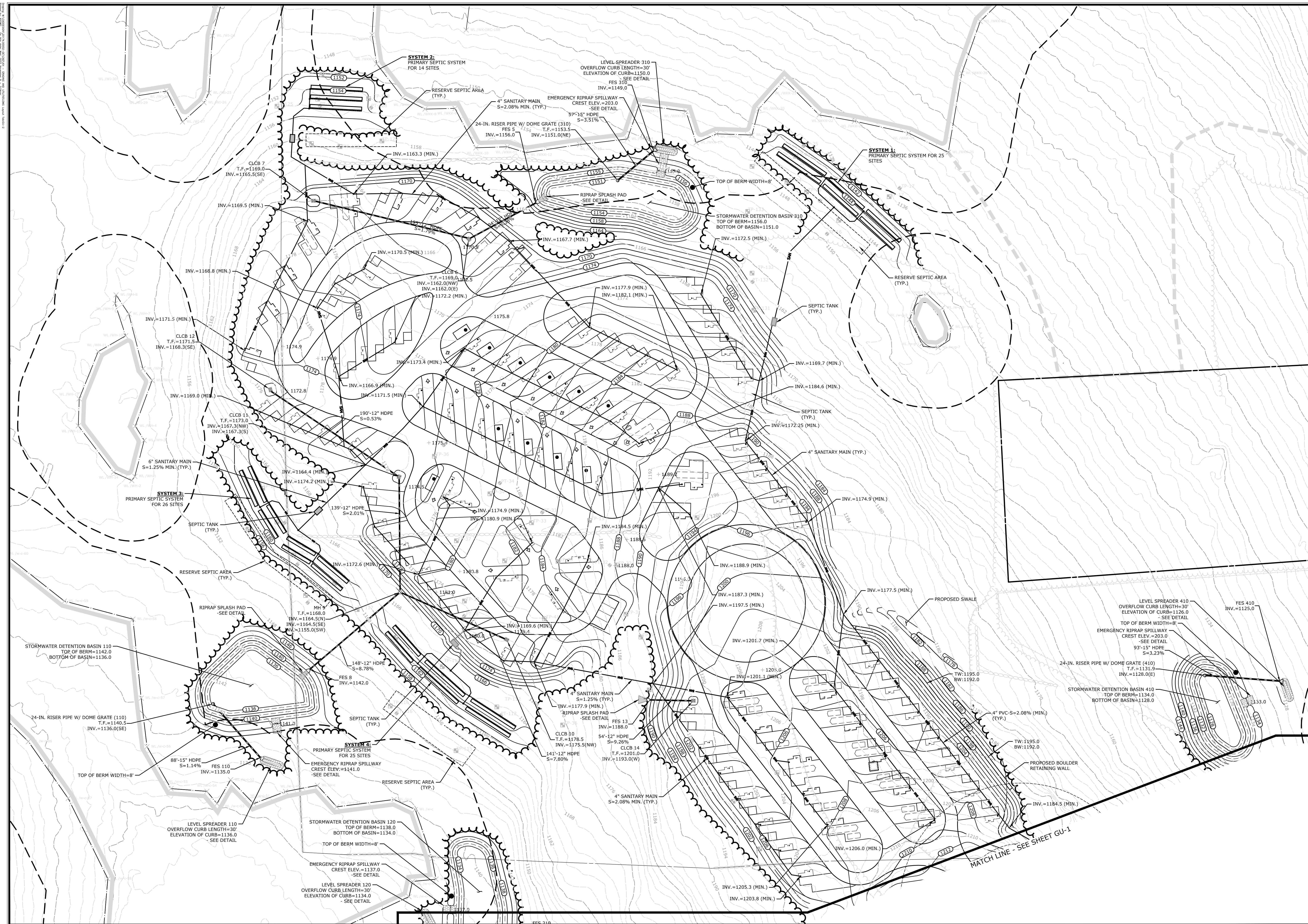
DESCRIPTION	DATE	BY

**SITE PLAN - GRADING & UTILITIES**  
**KLUG HILL RV PARK**  
**KOA CAMPGROUND**  
 232 KLUG HILL ROAD  
 TORRINGTON, CONNECTICUT

ACD DESIGNED	ACD DRAWN	RJM CHECKED
SCALE 1"=50'		
DATE NOVEMBER 9, 2022		
PROJECT NO. 20174.00002		
SHEET NO. 07 OF 19		

**GU-1**





**SLR**  
 99 BEATTY DRIVE  
 SUITE 100  
 TORRINGTON, CT 06860  
 TEL: 203.771.1777  
 WWW.SLRCONSULTING.COM

DESCRIPTION	DATE	BY

**SITE PLAN - GRADING & UTILITIES**  
**KLUG HILL RV PARK**  
**KOA 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.: 08 OF 19

**GU-2**

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**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.

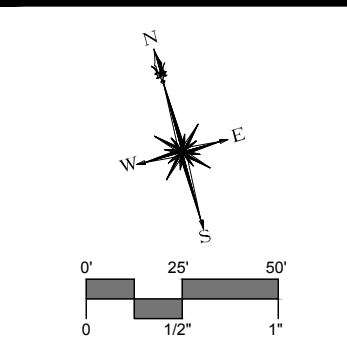
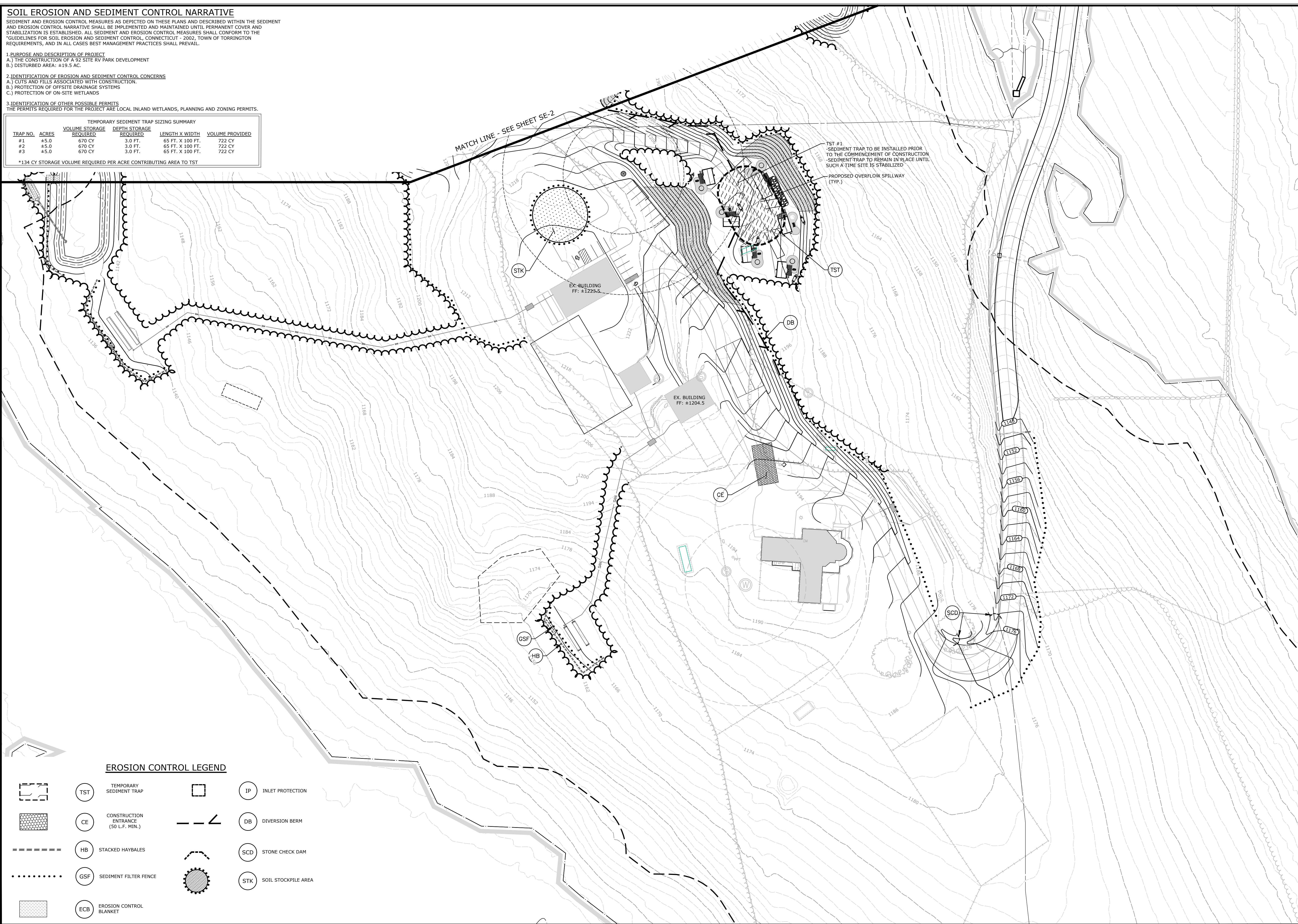
1. PURPOSE AND DESCRIPTION OF PROJECT  
 A.) THE CONSTRUCTION OF A 92 SITE RV PARK DEVELOPMENT  
 B.) DISTURBED AREA: ±19.5 AC.

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
#3	±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



DESCRIPTION	DATE	BY

**SITE PLAN - SEDIMENT & EROSION CONTROL PLAN**  
 KLUG HILL RV PARK  
 KOA CAMPGROUND  
 232 KLUG HILL ROAD  
 TORRINGTON, CONNECTICUT

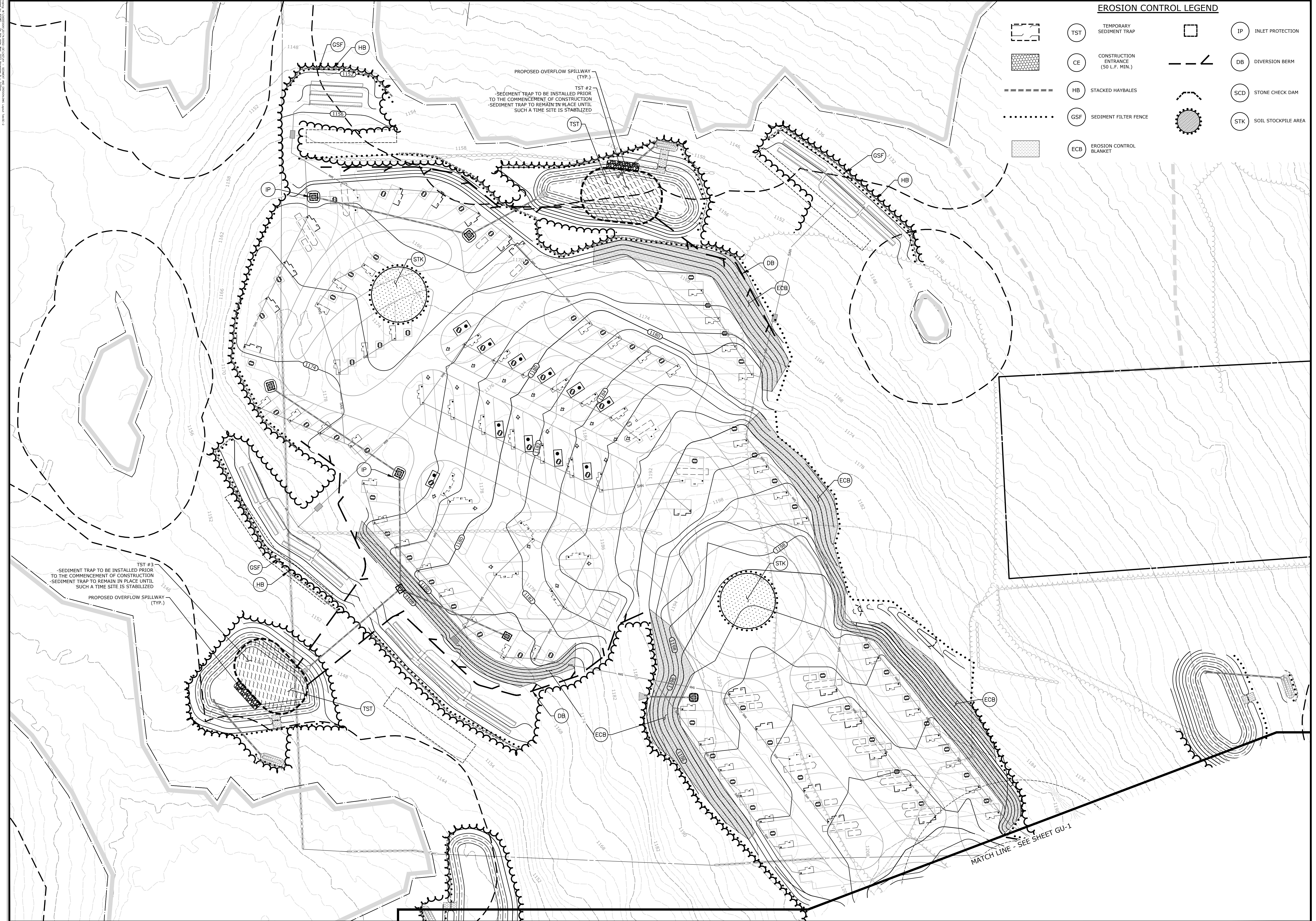
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DESIGNED	DRAWN	CHECKED
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DATE: NOVEMBER 9, 2022		
PROJECT NO.: 20174.00002		
SHEET NO.: 09 OF 19		

**SE-1**

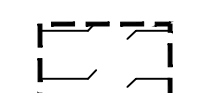
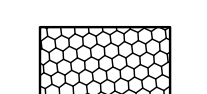


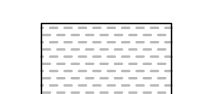
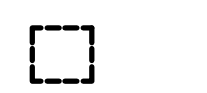
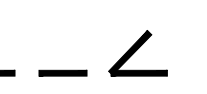

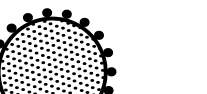
**EROSION CONTROL LEGEND**

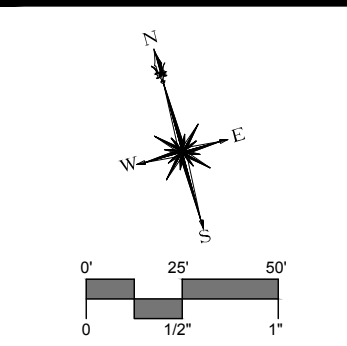
- TST TEMPORARY SEDIMENT TRAP
- CE CONSTRUCTION ENTRANCE (50 L.F. MIN.)
- HB STACKED HAYBALES
- GSF SEDIMENT FILTER FENCE
- ECB EROSION CONTROL BLANKET
- IP INLET PROTECTION
- DB DIVERSION BERM
- SCD STONE CHECK DAM
- STK SOIL STOCKPILE AREA





**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
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-  DB DIVERSION BERM
-  SCD STONE CHECK DAM
-  STK SOIL STOCKPILE AREA



DESCRIPTION	DATE	BY

**SITE PLAN - SEDIMENT & EROSION CONTROL PLAN**  
**KLUG HILL RV PARK**  
**KOA CAMPGROUND**  
 232 KLUG HILL ROAD  
 TORRINGTON, CONNECTICUT

ACD DESIGNED	MLA DRAWN	RJM CHECKED
SCALE 1"=50'		
DATE NOVEMBER 9, 2022		
PROJECT NO. 20174.00002		
SHEET NO. 10 OF 19		

**SE-2**  
SHEET NAME

PROJECT NO. 20174.00002 SHEET NO. 10 OF 19  
 DATE: NOVEMBER 9, 2022  
 TORRINGTON, CONNECTICUT  
 SLR CONSULTING, INC.



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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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"-88" MEDIUM-BROWN FINE SAND WITH SILT

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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)

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

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

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

MOTTILING - 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

MOTTILING - 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"-11" TOPSOIL
11"-34" ORANGE BROWN FINE SANDY LOAM
34"-71" DARK-BROWN FINE SAND, SOME SILT AND COBBLES

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - N/A
RESTRICTIVE - 38"
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"

MOTTILING - 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

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



Table with 3 columns: DESCRIPTION, DATE, BY. Multiple empty rows for data entry.

SEPTIC SYSTEM - SOIL TESTING RESULTS
KLUG HILL RV PARK
KOA CAMPGROUND
232 KLUG HILL ROAD
TORRINGTON, CONNECTICUT

Design/Draw/Check table with MLAs and RJMs.
NOT TO SCALE
NOVEMBER 9, 2022
20174.00002
11 OF 19
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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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"

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

**Test Pit: 106**  
00"-05" TOPSOIL  
06"-23" ORANGE BROWN FINE SANDY LOAM  
23"-84" LIGHT-BROWN FINE SAND, LITTLE SILT, COMPACT @ 35"

MOTTILING - 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

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

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

MOTTILING - 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"

MOTTILING - 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"-31" ORANGE BROWN FINE SANDY LOAM  
31"-51" LIGHT-BROWN FINE-MEDIUM SAND, LITTLE SILT  
51"-74" DECOMPOSED DIGGABLE LEDGE, COMPACT @ 28"

MOTTILING - 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

MOTTILING - 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"

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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"

MOTTILING - 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

MOTTILING - 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"

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

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

**Test Pit: 119**  
00"-06" TOPSOIL  
09"-28" ORANGE BROWN FINE SANDY LOAM  
28"-74" LIGHT-BROWN FINE SAND, SOME SILT, COMPACT @ 37"

MOTTILING - 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"

MOTTILING - 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

MOTTILING - 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"

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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"

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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

MOTTILING - 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"

MOTTILING - 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"

MOTTILING - 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"

MOTTILING - 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"

MOTTILING - 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

MOTTILING - 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"

MOTTILING - 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"

MOTTILING - 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

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



DESCRIPTION	DATE	BY

SEPTIC SYSTEM - SOIL TESTING RESULTS  
KLUG HILL RV PARK  
KOA CAMPGROUND  
232 KLUG HILL ROAD  
TORRINGTON, CONNECTICUT

DESIGNED	MLA	RJM
DRAWN	CHECKED	CHECKED
SCALE		
NOT TO SCALE		
DATE		
NOVEMBER 9, 2022		
PROJECT NO.		
20174.00002		
SHEET NO.		
12 OF 19		

SHEET NAME  
**SD-2**

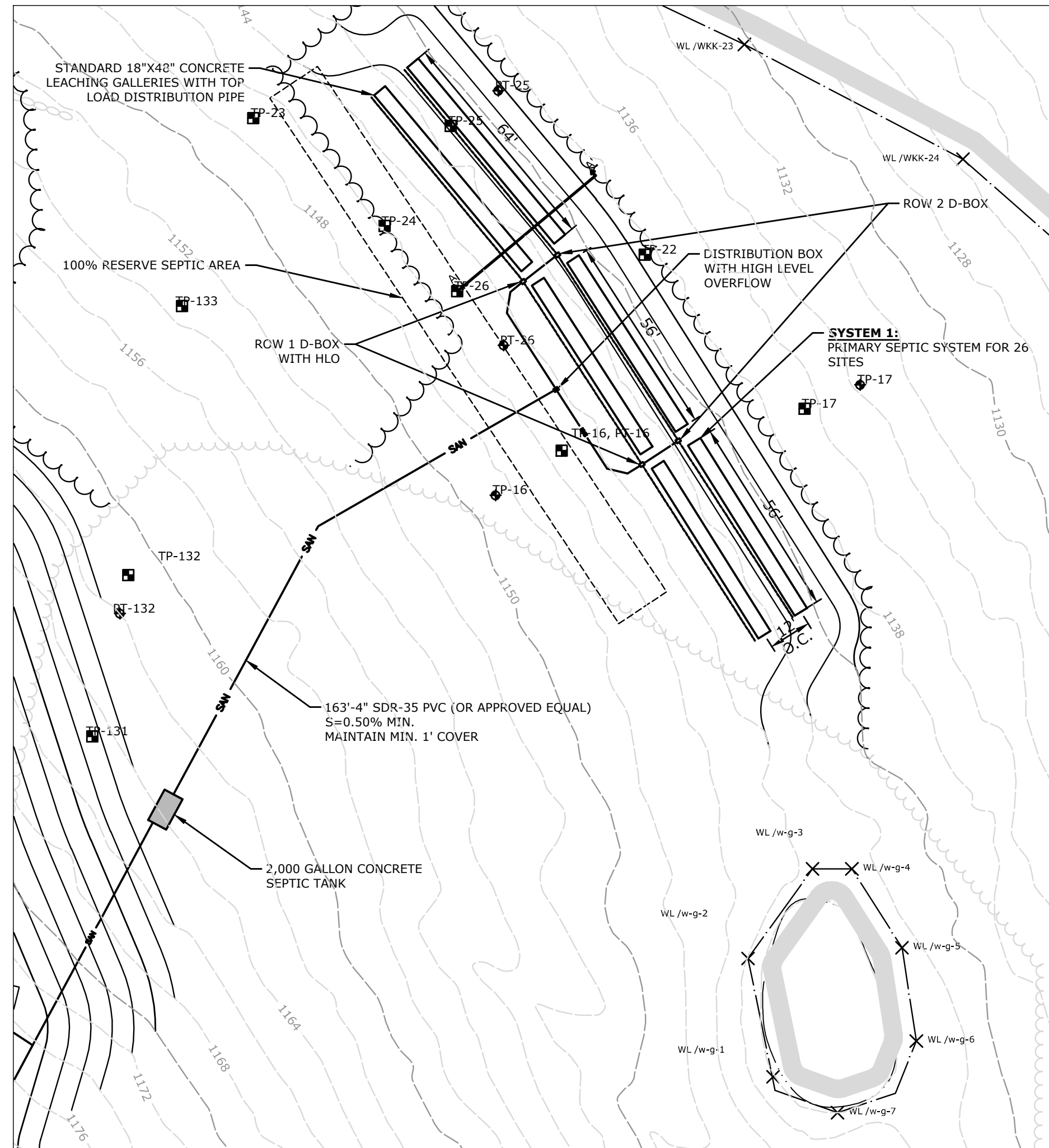
TORRINGTON & RYAN MCEVOY, SLR CONSULTING, 99 REALTY DRIVE, TORRINGTON, CT 06860, 203.771.1771, SLRCONSULTING.COM







# SYSTEM 1



## SYSTEM DESIGN

DESIGN BASIS: CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS DATED JANUARY 2018, AS AMENDED.

FLOW: 25 RV SITES

PERC RATE: 1.1-10.0 MIN/INCH

EFFECTIVE AREA REQUIRED = 2437.5 SQ.FT.  
 RESTRICTIVE LAYER = MOTTILING AT 24" - TP-26  
 SLOPE = 10.1-15.0%  
 RS DEPTH = [36" (TOP OF SYSTEM TO RESTRICTIVE LAYER) + 26.5" (AVERAGE DEPTH TO RESTRICTIVE LAYER)] / 2 = 31.25"  
 HYDRAULIC FACTOR (HF) = 20  
 FLOW FACTOR (FF) = 6.25  
 PERCOLATION FACTOR (PF) = 1.0  
 MLSS = 20\*6.25\*1.0 = 125 LF  
 PRIMARY AREA - USE 352 LF (2 ROWS OF 176") OF 18"x48" CONCRETE GALLERIES WITH TOP LOAD DISTRIBUTION PIPE  
 EFFECTIVE LEACHING AREA PROVIDED = 2,464 SF (2X176 LF @ 7.0 SQ.FT./L.F.)

### RESERVE AREA

PERC RATE: 11.1-20.0 MIN/INCH  
 EFFECTIVE AREA REQUIRED = 2,437.5 SQ.FT.  
 RESTRICTIVE LAYER = 31" - TP-16

RESERVE AREA - USE 352 LF (2 ROWS OF 176") OF 18"x48" CONCRETE GALLERIES WITH TOP LOAD DISTRIBUTION PIPE  
 EFFECTIVE LEACHING AREA PROVIDED = 2,464 SF (2X176 LF @ 7.0 SQ.FT./L.F.)

## SEPTIC SYSTEM INVERT ELEVATIONS

SEPTIC TANK INLET = 1161.00  
 SEPTIC TANK OUTLET = 1160.75

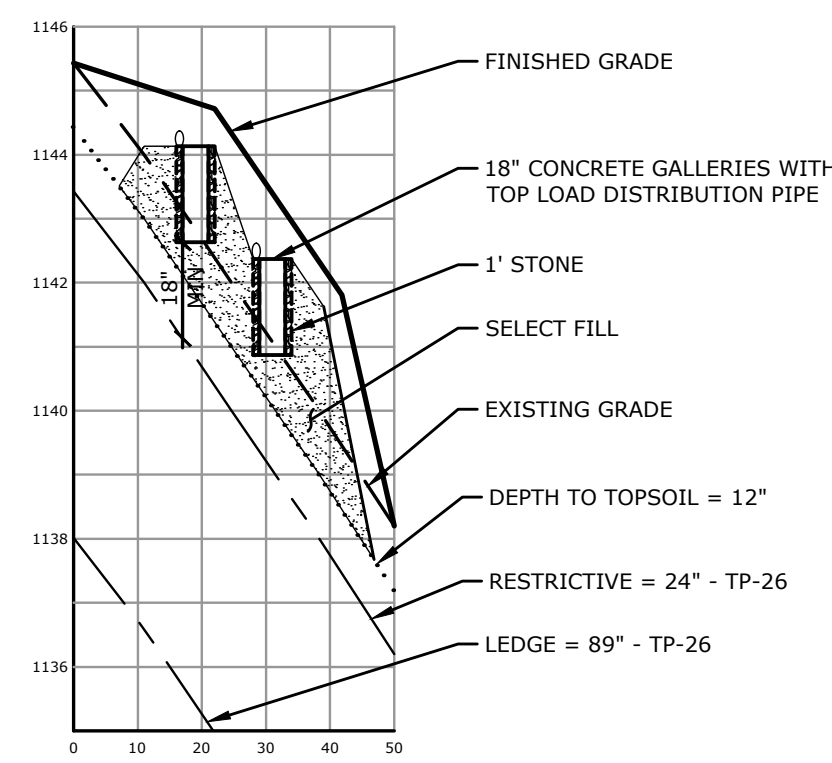
D-BOX = 1144.70

ROW 1 D-BOX = 1144.25  
 (HLO) = 1144.35

ROW 1 INVERT ELEVATION = 1144.13  
 ROW 1 BOTTOM ELEVATION = 1142.63

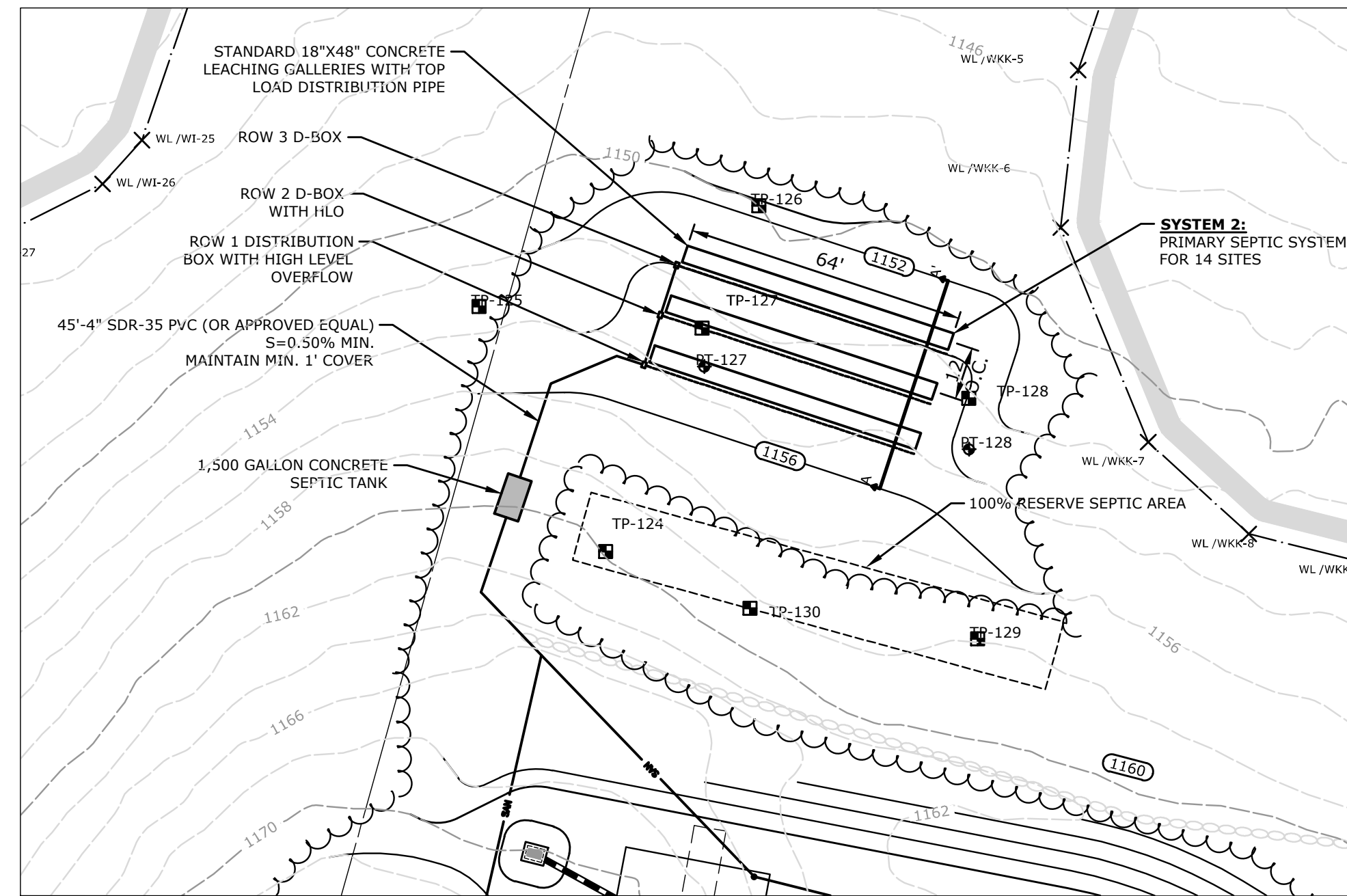
ROW 2 D-BOX = 1142.50

ROW 2 INVERT ELEVATION = 1142.37  
 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 2018, AS AMENDED.

FLOW: 14 RV SITES

PERC RATE: 1.1-10.0 MIN/INCH

EFFECTIVE AREA REQUIRED = 1312.5 SQ.FT.  
 RESTRICTIVE LAYER = MOTTILING AT 37" - TP-127  
 SLOPE = 8.1-10.0%  
 RS DEPTH = (49" (TOP OF SYSTEM TO RL) + 29" (AVERAGE DEPTH TO RESTRICTIVE LAYER SURROUNDING THE LEACHING SYSTEM)) = 39"  
 HYDRAULIC FACTOR (HF) = 20  
 FLOW FACTOR (FF) = 3.5  
 PERCOLATION FACTOR (PF) = 1.0  
 MLSS = 20\*3.5\*1.0 = 70 LF  
 PRIMARY AREA - USE 192 LF (3 ROWS OF 64") OF 18"x48" CONCRETE GALLERIES  
 EFFECTIVE LEACHING AREA PROVIDED = 1,344 SF (3X64 LF @ 7.0 SQ.FT./L.F.)

### RESERVE AREA

PERC RATE: 11.1-10.0 MIN/INCH  
 EFFECTIVE AREA REQUIRED = 1,312.5 SQ.FT.  
 RESTRICTIVE LAYER = 24"

RESERVE AREA - USE 224 LF (2 ROWS-112" LONG) OF 18"x48" CONCRETE GALLERIES  
 EFFECTIVE LEACHING AREA PROVIDED = 1,388.8 SF (224 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 = 1155.10  
 (HLO)=1155.20

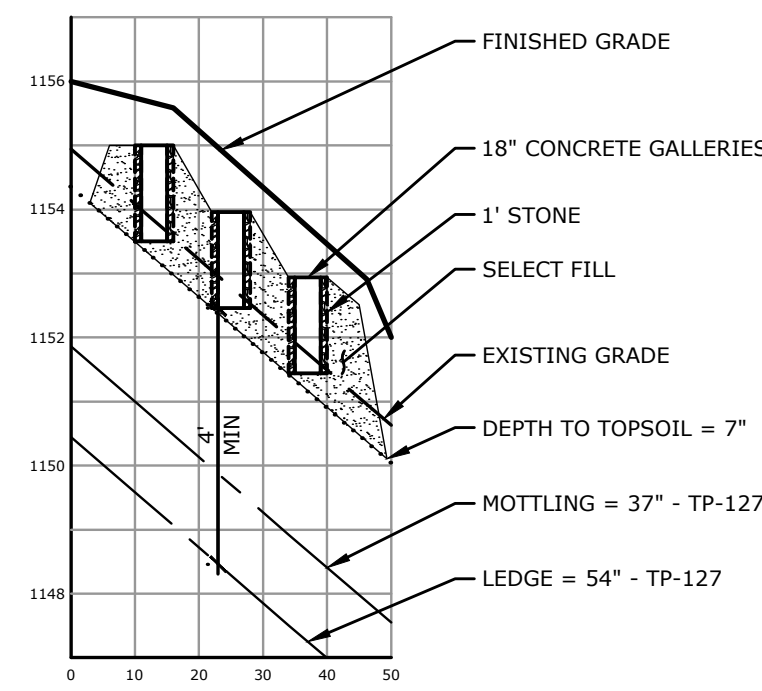
ROW 1 INVERT ELEVATION = 1155.00  
 ROW 1 BOTTOM ELEVATION = 1153.5

ROW 2 D-BOX = 1154.10  
 (HLO)=1154.20

ROW 2 INVERT ELEVATION = 1153.96  
 ROW 2 BOTTOM ELEVATION = 1152.46

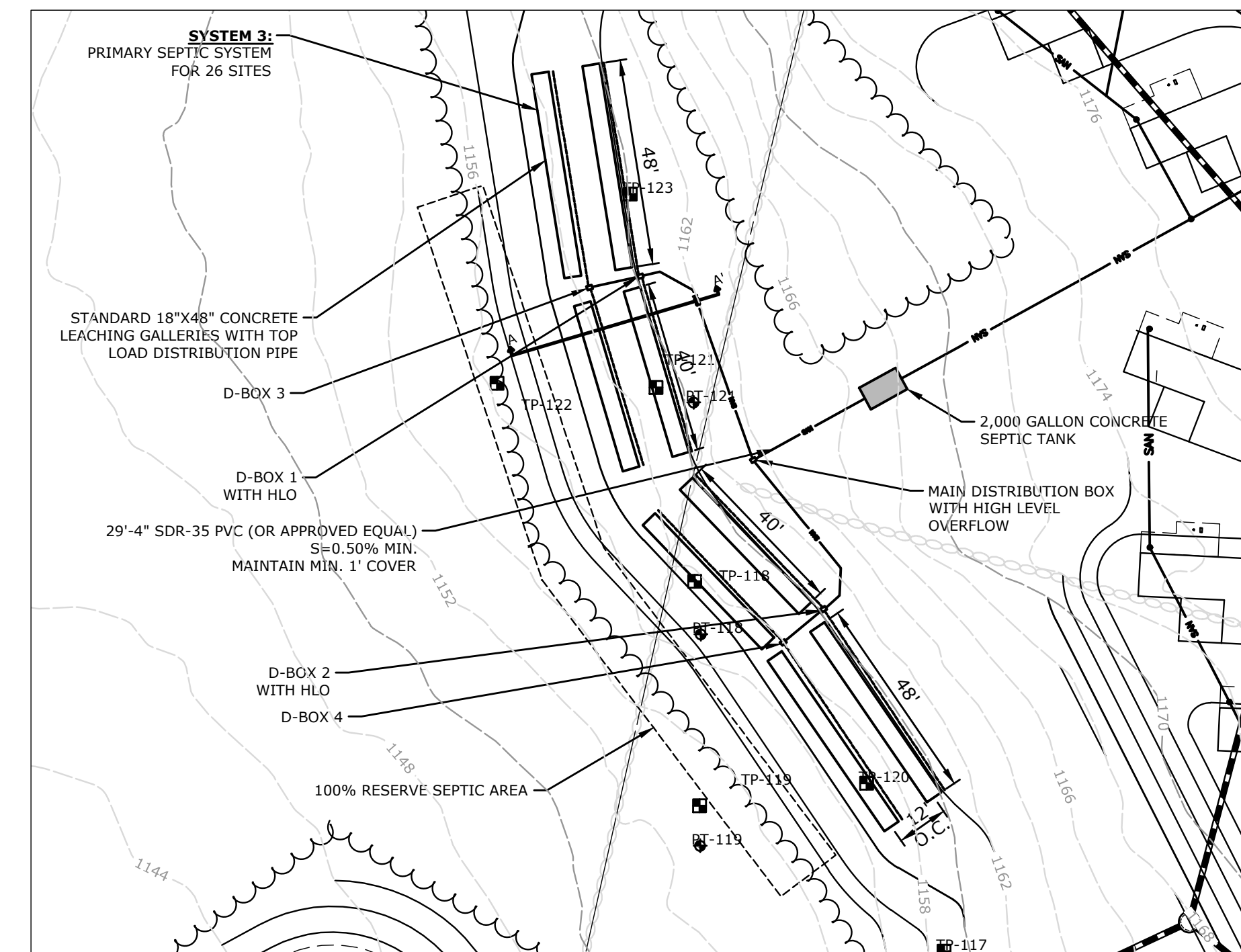
ROW 3 D-BOX = 1153.05

ROW 3 INVERT ELEVATION = 1152.94  
 ROW 3 BOTTOM ELEVATION = 1151.44



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

# SYSTEM 3



## SYSTEM DESIGN

DESIGN BASIS: CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS DATED JANUARY 2018, AS AMENDED.

FLOW: 26 RV SITES

PERC RATE: 1.1-10.0 MIN/INCH

EFFECTIVE AREA REQUIRED = 2437.5 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) = 6.5  
 PERCOLATION FACTOR (PF) = 1.0  
 MLSS = 18\*6.5\*1.0 = 117 LF  
 PRIMARY AREA - USE 352 LF (2 ROWS OF 176") OF 18"x48" CONCRETE GALLERIES WITH TOP LOAD DISTRIBUTION PIPE  
 EFFECTIVE LEACHING AREA PROVIDED = 2,464 SF (2X176 LF @ 7.0 SQ.FT./L.F.)

### RESERVE AREA

PERC RATE: 11.1-10.0 MIN/INCH  
 EFFECTIVE AREA REQUIRED = 2,437.5 SQ.FT.  
 RESTRICTIVE LAYER = 37" - TP-119

RESERVE AREA - USE 352 LF (2 ROWS OF 176") OF 18"x48" CONCRETE GALLERIES WITH TOP LOAD DISTRIBUTION PIPE  
 EFFECTIVE LEACHING AREA PROVIDED = 2,464 SF (352LF @ 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

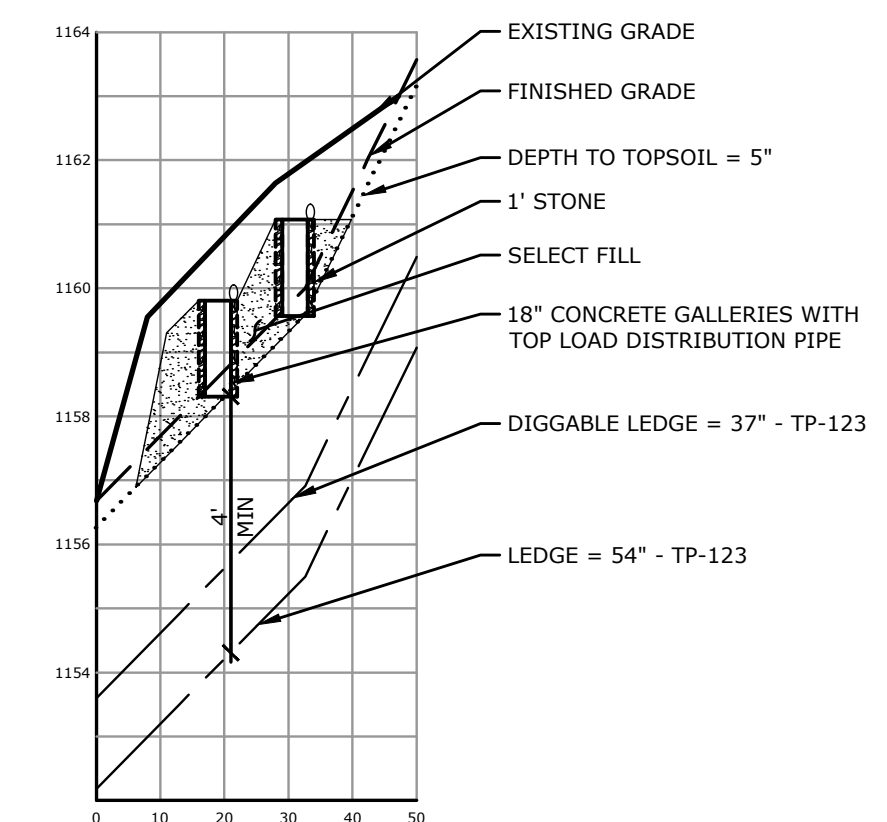
D-BOX 1 = 1161.20  
 (HLO)=1161.30  
 SECTION 1 INVERT ELEVATION = 1161.07  
 SECTION 1 BOTTOM ELEVATION = 1159.57

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



DESCRIPTION	DATE	BY

SEPTIC SYSTEM - SEPTIC DESIGN & CROSS SECTIONS  
 KLUG HILL RV PARK  
 KOA CAMPGROUND  
 232 KLUG HILL ROAD  
 TORRINGTON, CONNECTICUT

ACD	MLA	RJM
DESIGNED	DRAWN	CHECKED

AS NOTED

NOVEMBER 9, 2022

20174.00002

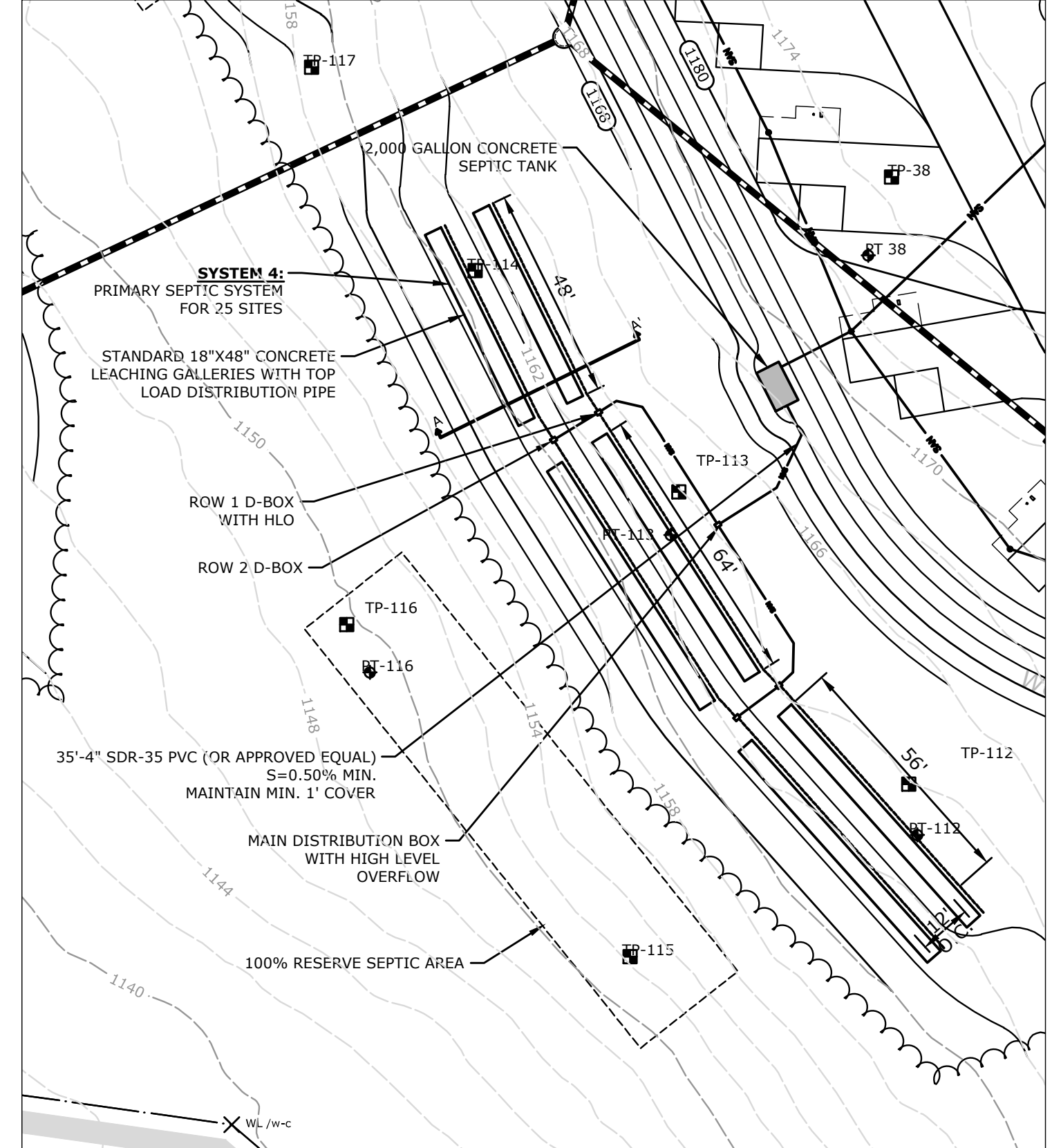
14 OF 19

SD-4

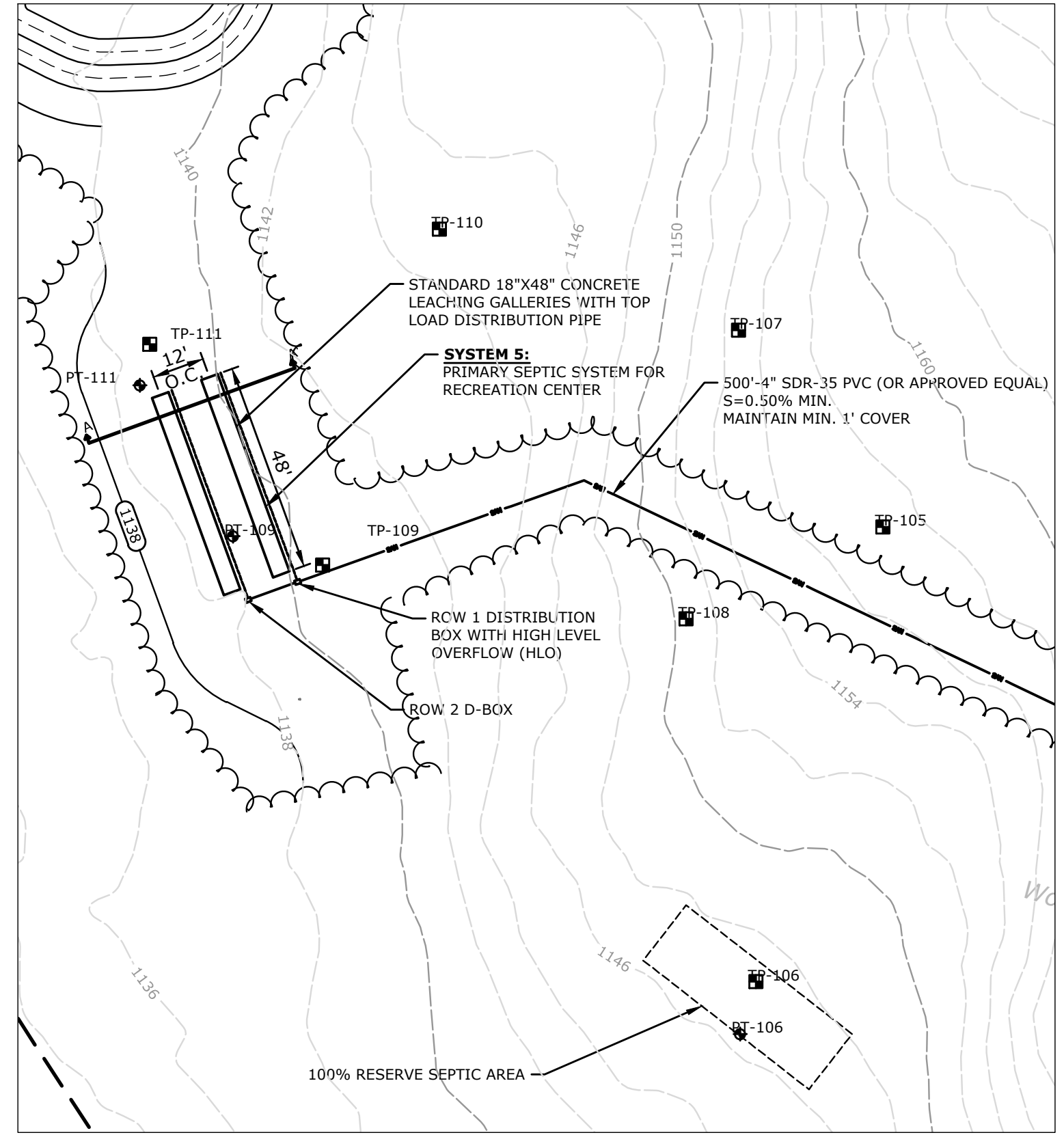


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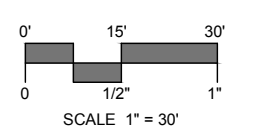
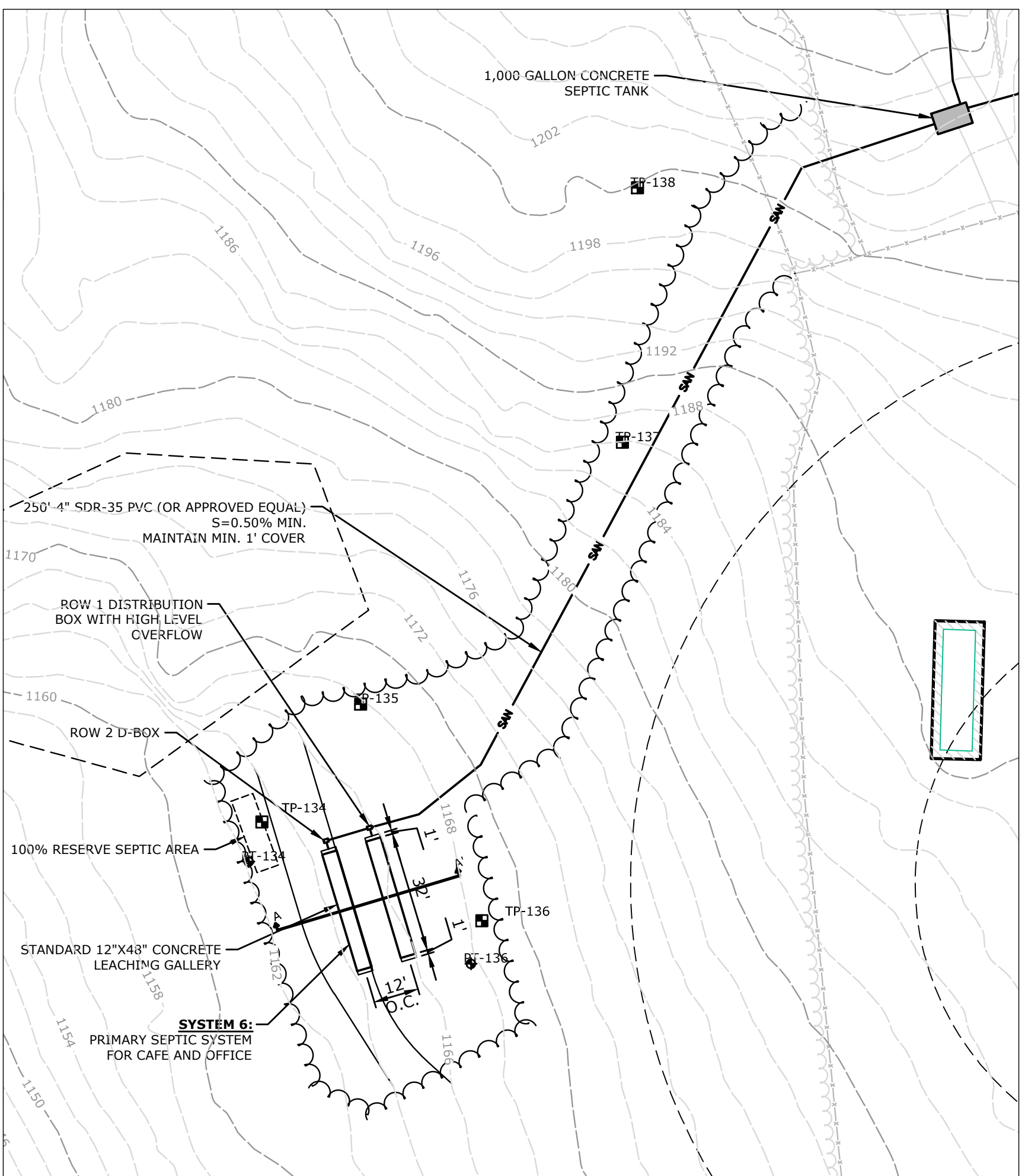
### SYSTEM 4



### SYSTEM 5



### SYSTEM 6



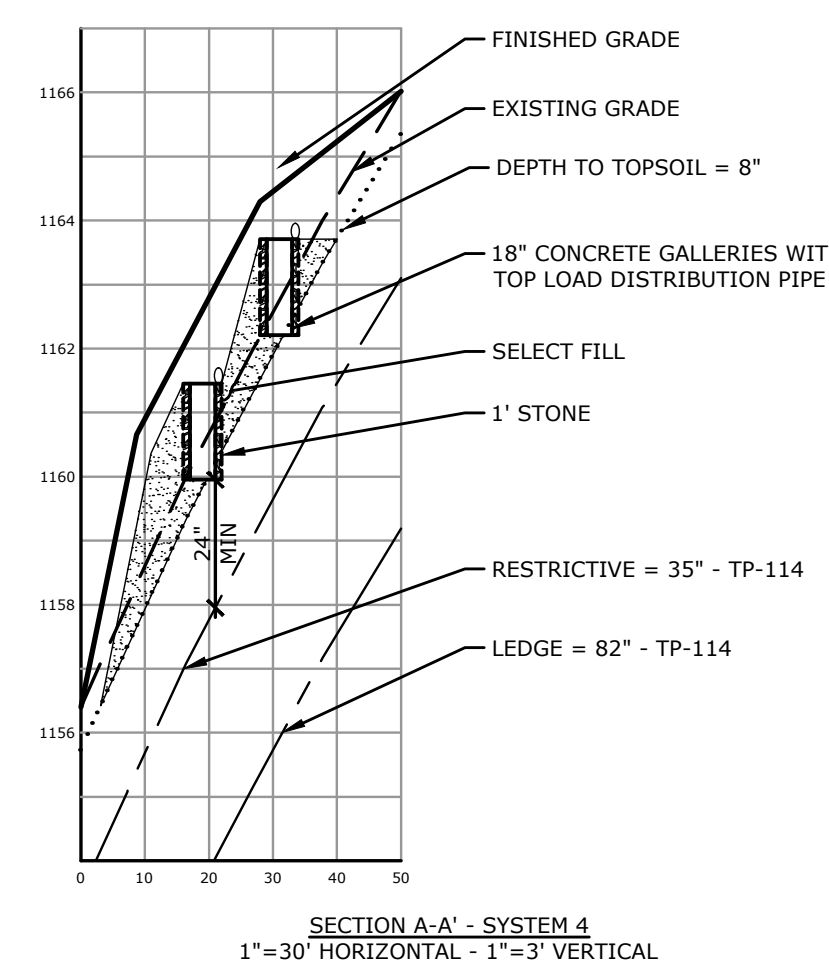
#### SYSTEM DESIGN

DESIGN BASIS: CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS DATED JANUARY 2018, AS AMENDED.

FLOW: 26 RV SITES  
 PERC RATE: 1.1-10.0 MIN/INCH  
 EFFECTIVE AREA REQUIRED = 2,437.5 SQ.FT.  
 RESTRICTIVE LAYER = DIGGABLE AT 35" - TP-114  
 SLOPE = >15.0%  
 RS DEPTH = (42" (TOP OF SYSTEM TO RESTRICTIVE LAYER) + 32.5" (AVERAGE DEPTH TO RESTRICTIVE LAYER)) / 2 = 37.2"  
 HYDRAULIC FACTOR (HF) = 16  
 FLOW FACTOR (FF) = 6.5  
 PERCOLATION FACTOR (PF) = 1.0  
 MLSS = 16x6.5x1.0 = 104 LF  
 PRIMARY AREA - USE 352 LF (2 ROWS OF 176') OF 18"x48" CONCRETE GALLERIES WITH TOP LOAD DISTRIBUTION PIPE  
 EFFECTIVE LEACHING AREA PROVIDED = 2,464 SF (2X176 LF @ 7.0 SQ.FT./L.F.)  
 RESERVE AREA  
 PERC RATE: 1.1-10.0 MIN/INCH  
 EFFECTIVE AREA REQUIRED = 2,437.5 SQ.FT.  
 RESTRICTIVE LAYER = 25"  
 RESERVE AREA - USE 360 LF (3 ROWS OF 120') OF 18"x48" CONCRETE GALLERIES WITH TOP LOAD DISTRIBUTION PIPE  
 EFFECTIVE LEACHING AREA PROVIDED = 2,520 SF (360 LF @ 7.0 SQ.FT./L.F.)

#### SEPTIC SYSTEM INVERT ELEVATIONS

SEPTIC TANK INLET = 1169.00  
 SEPTIC TANK OUTLET = 1168.75  
 MAIN D-BOX = 1164.00  
 ROW 1 D-BOX = 1163.80 (HLO) = 1163.90  
 ROW 1 INVERT ELEVATION = 1163.71  
 ROW 1 BOTTOM ELEVATION = 1162.21  
 ROW 2 D-BOX = 1161.55  
 ROW 2 INVERT ELEVATION = 1161.44  
 ROW 2 BOTTOM ELEVATION = 1159.94



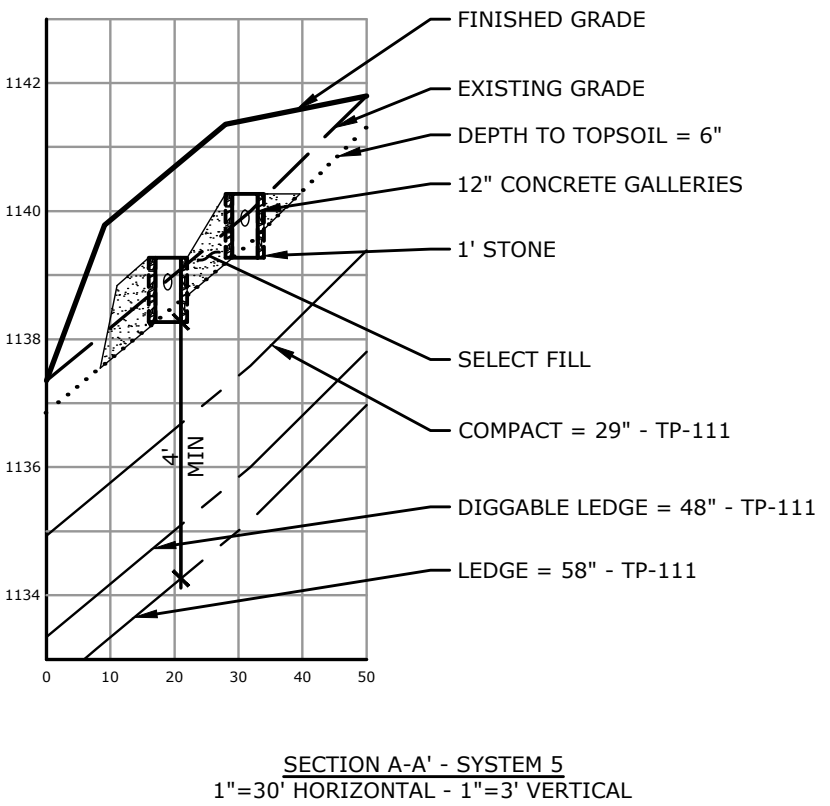
#### SYSTEM DESIGN

DESIGN BASIS: CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS DATED JANUARY 2018, AS AMENDED.

FLOW: RECREATION CENTER  
 PERC RATE: 1.1-10.0 MIN/INCH  
 EFFECTIVE AREA REQUIRED = 619.2 SQ.FT.  
 RESTRICTIVE LAYER = COMPACT AT 29" - TP-111  
 SLOPE = 10.1-15.0%  
 RS DEPTH = (30" (TOP OF SYSTEM TO RESTRICTIVE LAYER) + 31.5" (AVERAGE DEPTH TO RESTRICTIVE LAYER)) / 2 = 30.75"  
 HYDRAULIC FACTOR (HF) = 20  
 FLOW FACTOR (FF) = 2.36  
 PERCOLATION FACTOR (PF) = 1.0  
 MLSS = 20x2.36x1.0 = 47.28 LF  
 PRIMARY AREA - USE 112 LF (2 ROWS OF 56') OF 12"x48" CONCRETE GALLERIES  
 EFFECTIVE LEACHING AREA PROVIDED = 660.8 (2X56 LF @ 5.9 SQ.FT./L.F.)  
 RESERVE AREA  
 PERC RATE: 1.1-10.0 MIN/INCH  
 EFFECTIVE AREA REQUIRED = 619.2 SQ.FT.  
 RESTRICTIVE LAYER = 35"  
 RESERVE AREA - USE 96 LF (2 ROWS OF 48') OF 18"x48" CONCRETE GALLERIES WITH TOP LOAD DISTRIBUTION PIPE  
 EFFECTIVE LEACHING AREA PROVIDED = 672 SF (96 LF @ 7.0 SQ.FT./L.F.)

#### SEPTIC SYSTEM INVERT ELEVATIONS

SEPTIC TANK INLET = 1191.75  
 SEPTIC TANK OUTLET = 1191.50  
 ROW 1 D-BOX = 1139.90 (HLO) = 1140.00  
 ROW 1 INVERT ELEVATION = 1139.77  
 ROW 1 BOTTOM ELEVATION = 1139.27  
 ROW 2 D-BOX = 1138.90  
 ROW 2 INVERT ELEVATION = 1138.77  
 ROW 2 BOTTOM ELEVATION = 1138.27



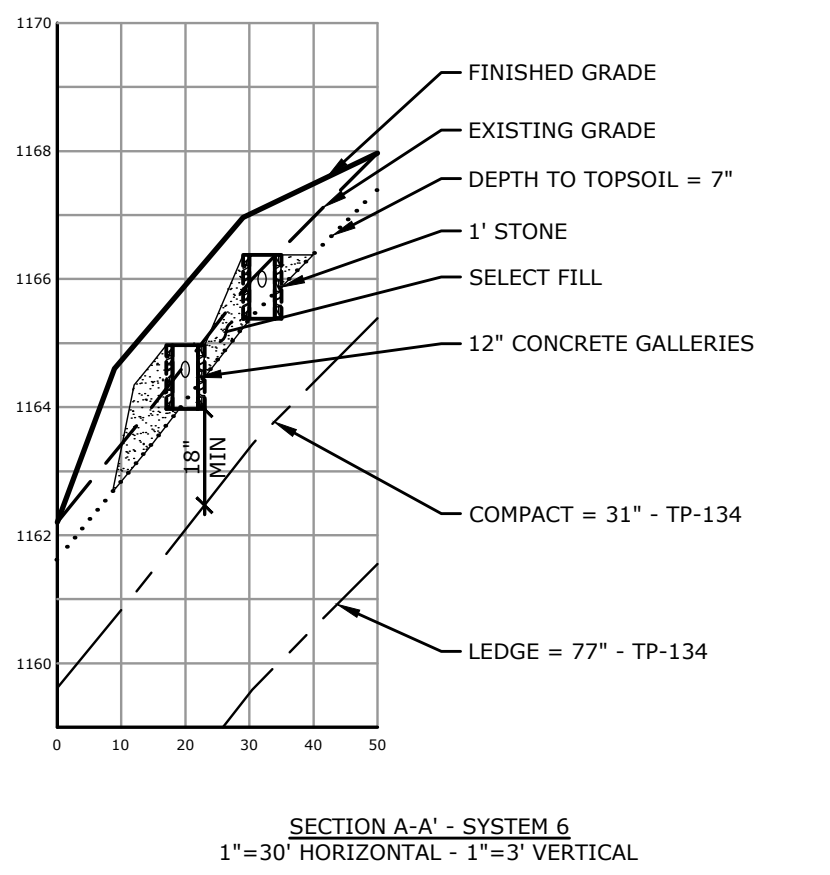
#### SYSTEM DESIGN

DESIGN BASIS: CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS DATED JANUARY 2018, AS AMENDED.

FLOW: CAFE/OFFICE  
 PERC RATE: 1.1-10.0 MIN/INCH  
 EFFECTIVE AREA REQUIRED = 387.5 SQ.FT.  
 RESTRICTIVE LAYER = COMPACT AT 31" - TP-134  
 SLOPE = 10.1-15.0%  
 RS DEPTH = (AVERAGE DEPTH TO RESTRICTIVE LAYER) = 33.5"  
 HYDRAULIC FACTOR (HF) = 20  
 FLOW FACTOR (FF) = 1.03  
 PERCOLATION FACTOR (PF) = 1.0  
 MLSS = 20x1.03x1.0 = 20.67 LF  
 PRIMARY AREA - USE 64 LF (2 ROW OF 32' OF 12"x48" CONCRETE GALLERIES AND 1 LF OF 12"x48" STANDARD LEACHING TRENCH AT EACH END OF EACH ROW)  
 EFFECTIVE LEACHING AREA PROVIDED = 389.6 (2X32 LF @ 5.9 SQ.FT./L.F. AND 4 LF @ 3.0 SQ.FT./L.F.)  
 RESERVE AREA  
 PERC RATE: 1.1-10.0 MIN/INCH  
 EFFECTIVE AREA REQUIRED = 387.5 SQ.FT.  
 RESTRICTIVE LAYER = 31"  
 RESERVE AREA - USE 20 LF (1 ROW-20' LONG) MANTIS DOUBLE WIDE 100  
 EFFECTIVE LEACHING AREA PROVIDED = 400 SF (20 LF @ 11.0 SQ.FT./L.F.)

#### SEPTIC SYSTEM INVERT ELEVATIONS

SEPTIC TANK INLET = 1201.5  
 SEPTIC TANK OUTLET = 1201.25  
 ROW 1 D-BOX = 1166.00 (HLO) = 1166.10  
 ROW 1 INVERT ELEVATION = 1165.88  
 ROW 1 BOTTOM ELEVATION = 1165.38  
 ROW 2 D-BOX = 1164.60  
 ROW 2 INVERT ELEVATION = 1164.47  
 ROW 2 BOTTOM ELEVATION = 1163.97



DESCRIPTION	DATE	BY

SEPTIC SYSTEM - SEPTIC DESIGN & CROSS SECTIONS  
 KLUG HILL RV PARK  
 KOA CAMPGROUND  
 232 KLUG HILL ROAD  
 TORRINGTON, CONNECTICUT

ACD	MLA	RJM
DESIGNED	DRAWN	CHECKED
AS NOTED		
NOVEMBER 9, 2022		
DATE		
20174.00002		
PROJECT NO.		
15 OF 19		
SHEET NO.		
SD-5		
SHEET NAME		



SLR CONSULTING, INC. 90 REALTY DRIVE, SUITE 200, WESTFIELD, MASSACHUSETTS 01096  
 TEL: 413-565-0000 FAX: 413-565-0001 WWW.SLRCONSULTING.COM

## 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 PROJECT.

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

- THE RESHAPING OF THE SURFACE BY EXCAVATION AND FILLING OR A COMBINATION OF BOTH, TO OBTAIN PLANNED GRADES, SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING CRITERIA:
  - THE PERMANENT CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
  - THE PERMANENT EXPOSED FACES OF EARTHEN FILLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2:1).
  - THE CUT FACE OF ROCK EXCAVATION SHALL NOT BE STEEPER THAN ONE HORIZONTAL TO FOUR VERTICAL (1:4).
  - PROVISION SHOULD BE MADE TO CONDUCT SURFACE WATER SAFELY TO STORM DRAINS TO PREVENT SURFACE RUNOFF FROM DAMAGING CUT FACES AND FILL SLOPES.
  - 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.
  - 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.
  - 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

- 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.
  - UPON ATTAINING FINAL UPGRADES, SCARIFY SURFACE TO PROVIDE A GOOD BOND WITH TOPSOIL.
  - REMOVE ALL LARGE STONES, TREE LIMBS, ROOTS AND CONSTRUCTION DEBRIS.
  - APPLY LIME ACCORDING TO SOIL TEST OR AT THE RATE OF TWO (2) TONS PER ACRE.
- MATERIAL:
- TOPSOIL SHOULD HAVE PHYSICAL, CHEMICAL, AND BIOLOGICAL CHARACTERISTICS FAVORABLE TO THE GROWTH OF PLANTS.
  - TOPSOIL SHOULD HAVE A SANDY OR LOAMY TEXTURE.
  - 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 QAQUERS.
  - AN ORGANIC MATTER CONTENT OF SIX PERCENT (6%) IS REQUIRED. AVOID LIGHT COLORED SUBSOIL MATERIAL.
  - 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.
  - THE PH SHOULD BE MORE THAN 6.0. IF LESS, ADD LIME TO INCREASE PH TO AN ACCEPTABLE LEVEL.

- APPLICATION:
- AVOID SPREADING WHEN TOPSOIL IS WET OR FROZEN.
  - 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:
- 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:
- INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
  - REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.
  - 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.).
  - 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.
  - UNLESS HYDROSEEDDED, WORK IN LIME AND FERTILIZER TO A DEPTH OF FOUR (4") INCHES USING A DISK OR ANY SUITABLE EQUIPMENT.
  - TILLAGE SHOULD ACHIEVE A REASONABLY UNIFORM LOOSE SEEDBED. WORK ON CONTOUR IF SITE IS SLOPING.
- ESTABLISHMENT:
- SELECT APPROPRIATE SPECIES FOR THE SITUATION. NOTE RATES AND SEEDING DATES (SEE VEGETATIVE COVER SELECTION & MULCHING SPECIFICATION BELOW).
  - APPLY SEED UNIFORMLY ACCORDING TO THE RATE INDICATED BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
  - UNLESS HYDROSEEDDED, COVER RYEGRASS SEEDS WITH NOT MORE THAN 1/4 INCH OF SOIL USING SUITABLE EQUIPMENT.
  - 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:
- 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:
- INSTALL REQUIRED SURFACE WATER CONTROL MEASURES.
  - REMOVE LOOSE ROCK, STONE, AND CONSTRUCTION DEBRIS FROM AREA.
  - PERFORM ALL PLANTING OPERATIONS PARALLEL TO THE CONTOURS OF THE SLOPE.
  - APPLY TOPSOIL AS INDICATED ELSEWHERE HEREIN.
  - APPLY FERTILIZER ACCORDING TO SOIL TEST OR:
    - S PREAD 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

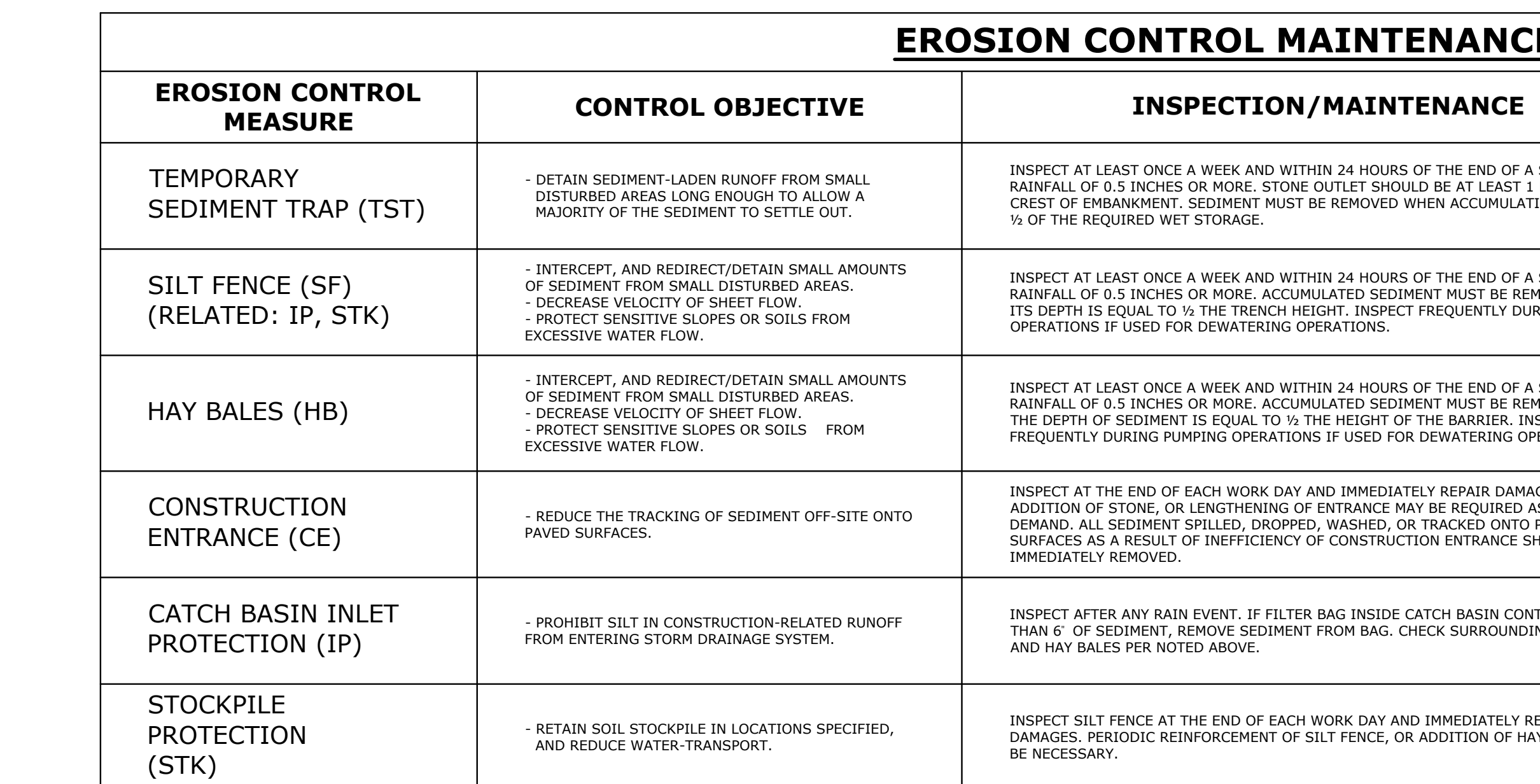
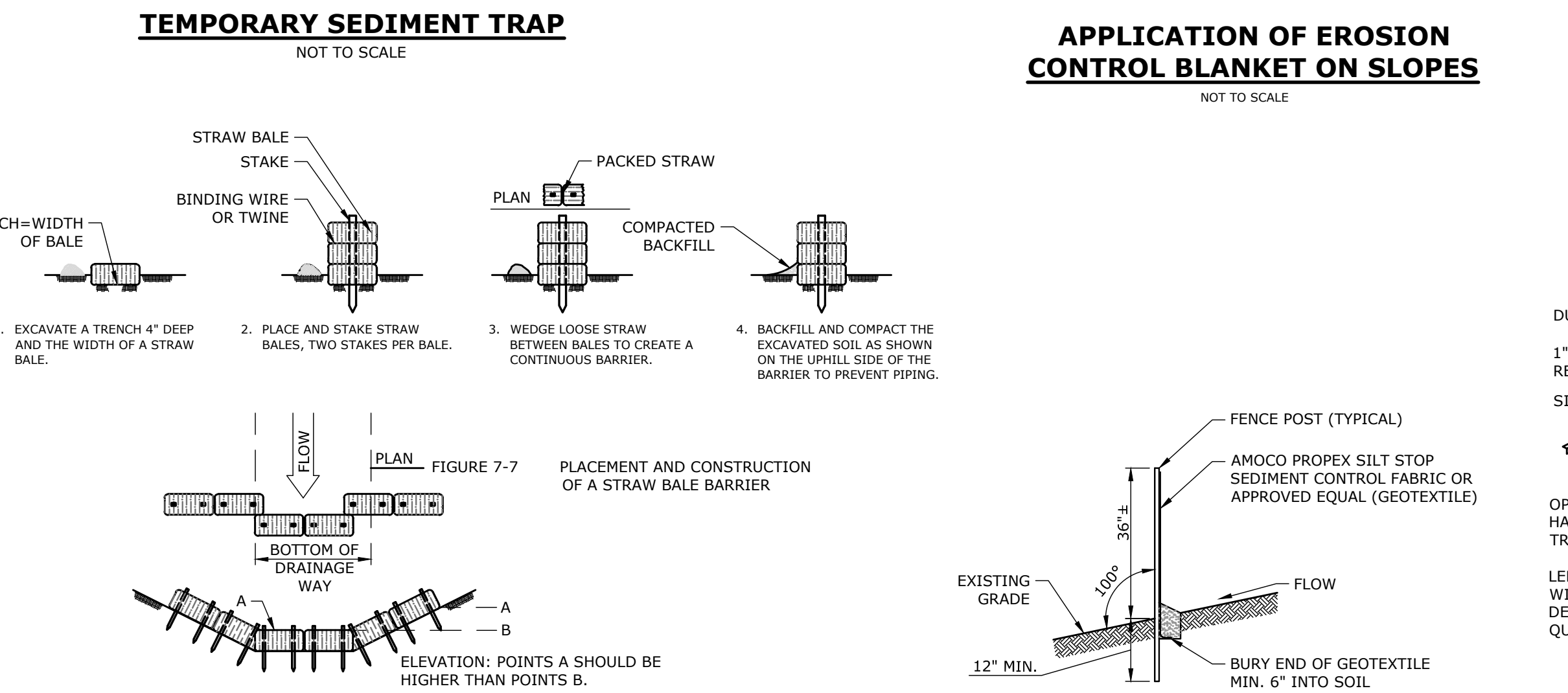
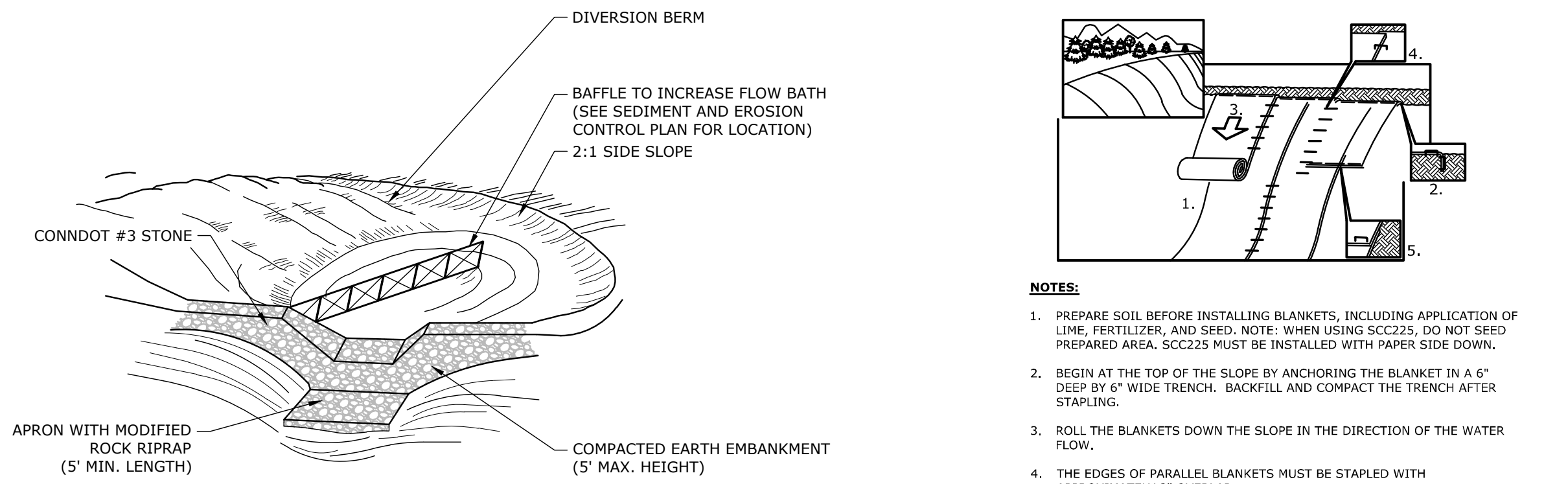
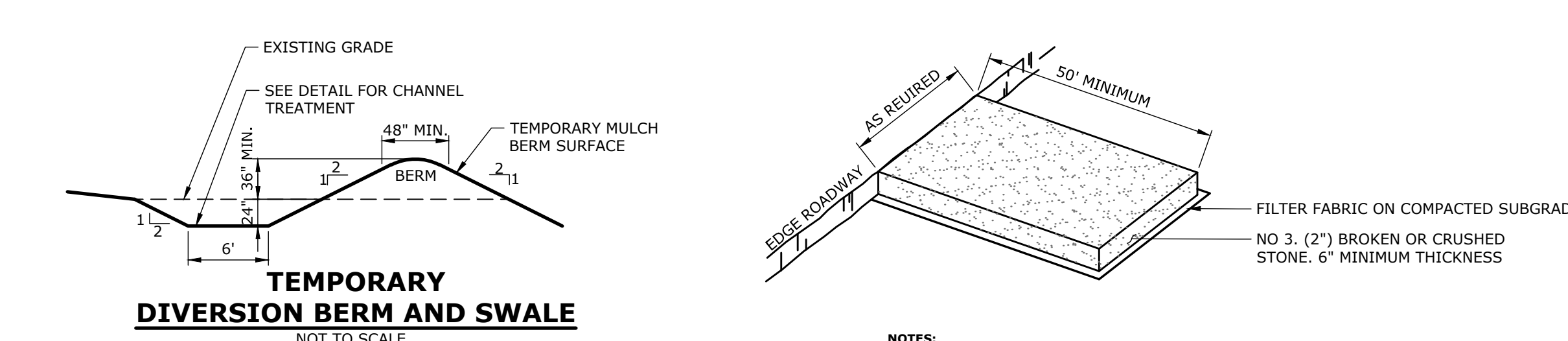
- TEMPORARY VEGETATIVE COVER:
- PERENNIAL RYEGRASS 3 LBS./1,000 SQ.FT. (LOLUM PERENE)
- \* PERMANENT VEGETATIVE COVER:
- |                              |     |
|------------------------------|-----|
| BARON KENTUCKY BLUEGRASS     | 60% |
| JAMESTOWN II CHEWINGS FESCUE | 20% |
| PALMER PERENNIAL RYEGRASS    | 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 HYDRMULCH SLURRY 25-50 LBS./1,000 SQ. FT.

- ESTABLISHMENT:
- SMOOTH AND FIRM SEEDBED WITH CULTIPACKER OR OTHER SIMILAR EQUIPMENT PRIOR TO SEEDING (EXCEPT WHEN HYDROSEEDING).
  - SELECT ADAPTED SEED MIXTURE FOR THE SPECIFIC SITUATION. NOTE RATES AND THE SEEDING DATES (SEE VEGETATIVE COVER SELECTION & MULCHING SPEC. BELOW).
  - APPLY SEED UNIFORMLY ACCORDING TO RATE INDICATED, BY BROADCASTING, DRILLING, OR HYDRAULIC APPLICATION.
  - COVER GRASS AND LEGUME SEED WITH NOT MORE THAN 1/4 INCH OF SOIL WITH SUITABLE EQUIPMENT (EXCEPT WHEN HYDROSEEDING).
  - MULCH IMMEDIATELY AFTER SEEDING, IF REQUIRED, ACCORDING TO TEMPORARY MULCHING SPECIFICATIONS. (SEE VEGETATIVE COVER SELECTION & MULCHING SPECIFICATION BELOW).
  - USE PROPER INOCULANT ON ALL LEGUME SEEDINGS, USE FOUR (4) TIMES NORMAL RATES WHEN HYDROSEEDING.
  - 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:
- TEST FOR SOIL ACIDITY LIME AS REQUIRED.
  - 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.
  - 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.).

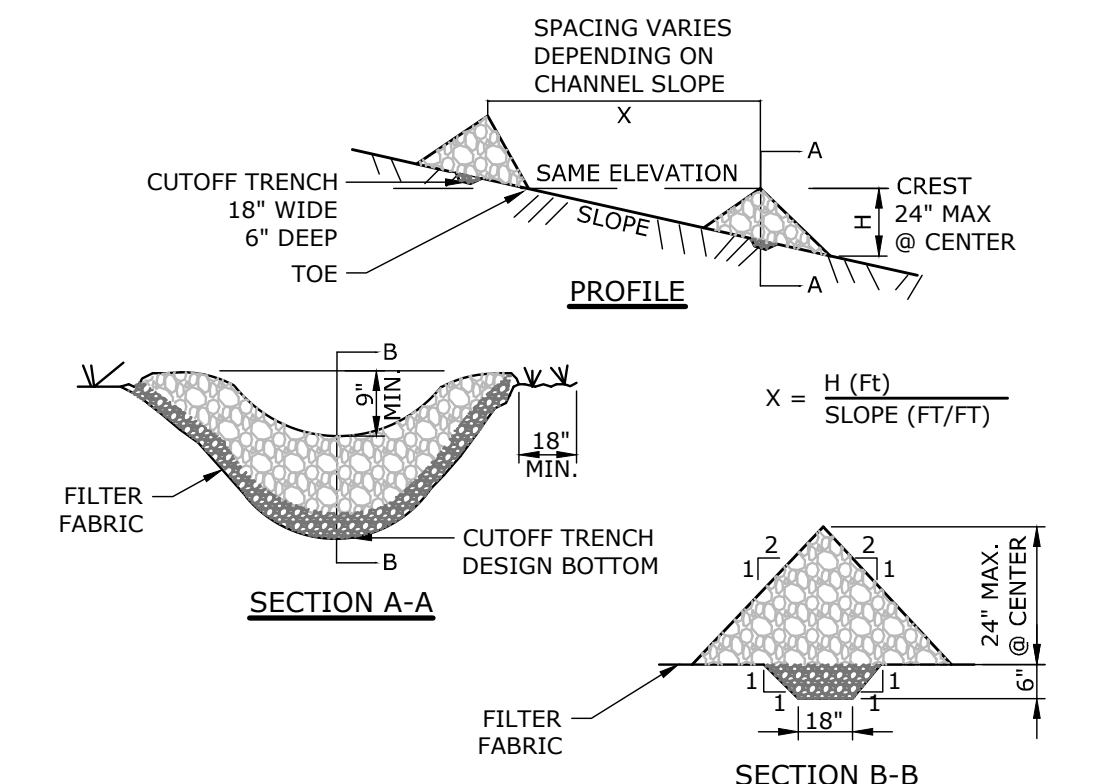
### EROSION CHECKS

- GENERAL:
- 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:
- BALES SHOULD BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
  - EACH BALE SHALL BE EMBEDDED INTO THE SOIL A MINIMUM OF FOUR (4") INCHES.
  - 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 GROUND. DISTURBED AREAS LONG ENOUGH TO ALLOW A MAJORITY OF THE SEDIMENT TO SETTLE OUT.
  - 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:
- BALED HAY EROSION BARRIERS SHALL BE INSTALLED AT ALL STORM SEWER INLETS.
  - 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.
  - ALL EROSION CHECKS SHALL BE MAINTAINED UNTIL ADJACENT AREAS ARE STABILIZED.
  - INSPECTION SHALL BE FREQUENT (AT MINIMUM MONTHLY AND BEFORE AND AFTER HEAVY RAIN) AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
  - EROSION CHECKS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM WATER FLOW OR DRAINAGE.



### 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 1/2 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 1/2 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 EVAIDING 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 1/2 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 EVAIDING 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.



- NOTES:
- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES, GRADES AND LOCATIONS SHOWN IN THE PLAN.
  - 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.
  - EXTEND THE STONE A MINIMUM OF 1.5 FEET BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
  - PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
  - 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



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

REGULAR FLOW SILTSACK (FOR AREAS OF LOW TO MODERATE 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

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

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 AN OIL-ABSORBANT PILLOW INSERT OR, MADE COMPLETELY FROM AN OIL-ABSORBANT SILTSACK, WITH A WOVEN PILLOW INSERT.

**SLR**  
 90 REALTY DRIVE  
 SUITE 200  
 WESTFIELD, MASSACHUSETTS 01096  
 TEL: 413-565-0000  
 FAX: 413-565-0001  
 WWW.SLRCONSULTING.COM

DESCRIPTION	DATE	BY

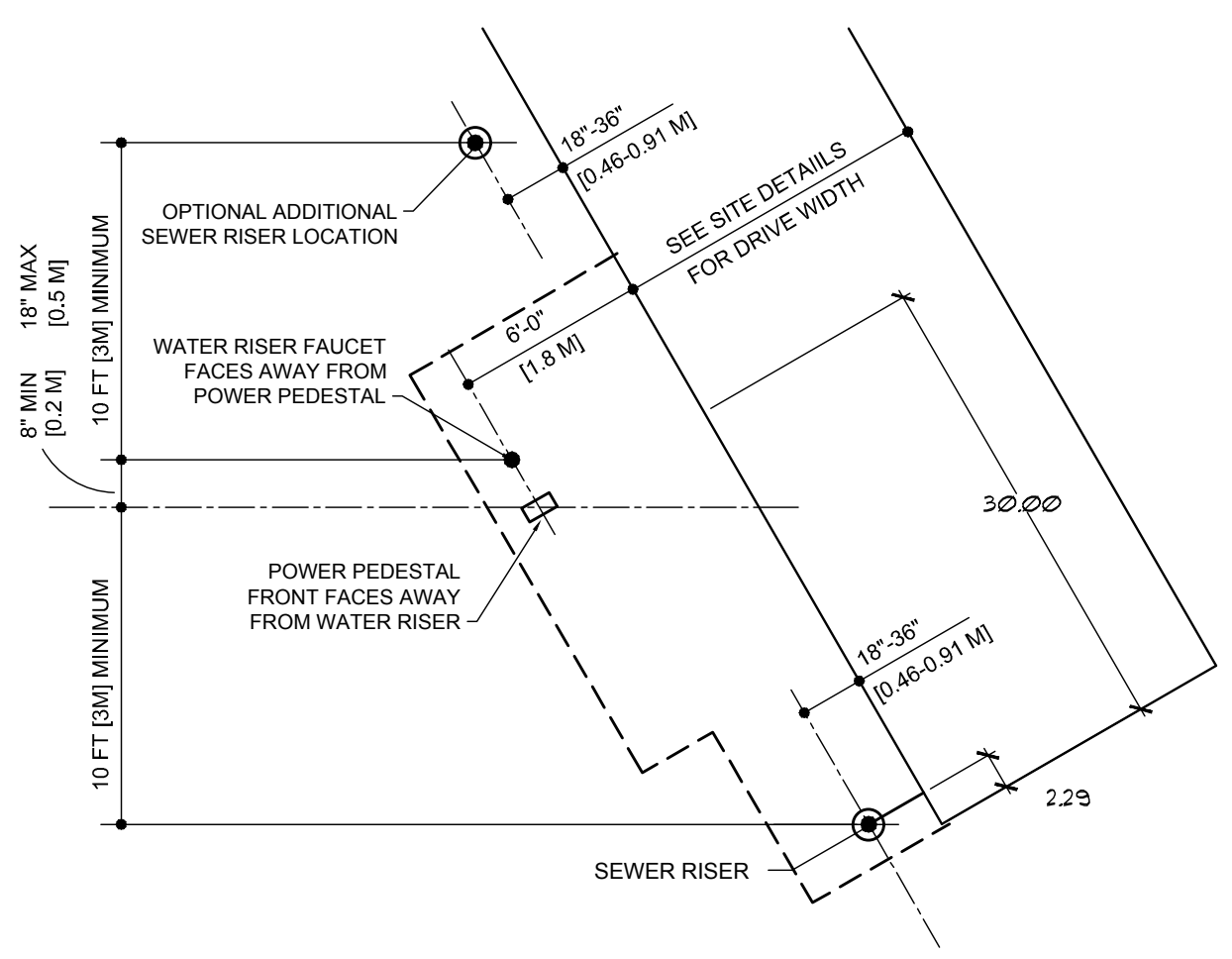
**SITE DETAILS**  
 KLUG HILL RV PARK  
 KOA CAMPGROUND  
 232 KLUG HILL ROAD  
 TORRINGTON, CONNECTICUT

DESIGNED	ACD	RJM
DRAWN		CHECKED
NOT TO SCALE		
NOVEMBER 9, 2022		
DATE		
PROJECT NO. 20174.00002		
SHEET NO. 16 OF 19		
<b>SD-6</b>		
SHEET NAME		

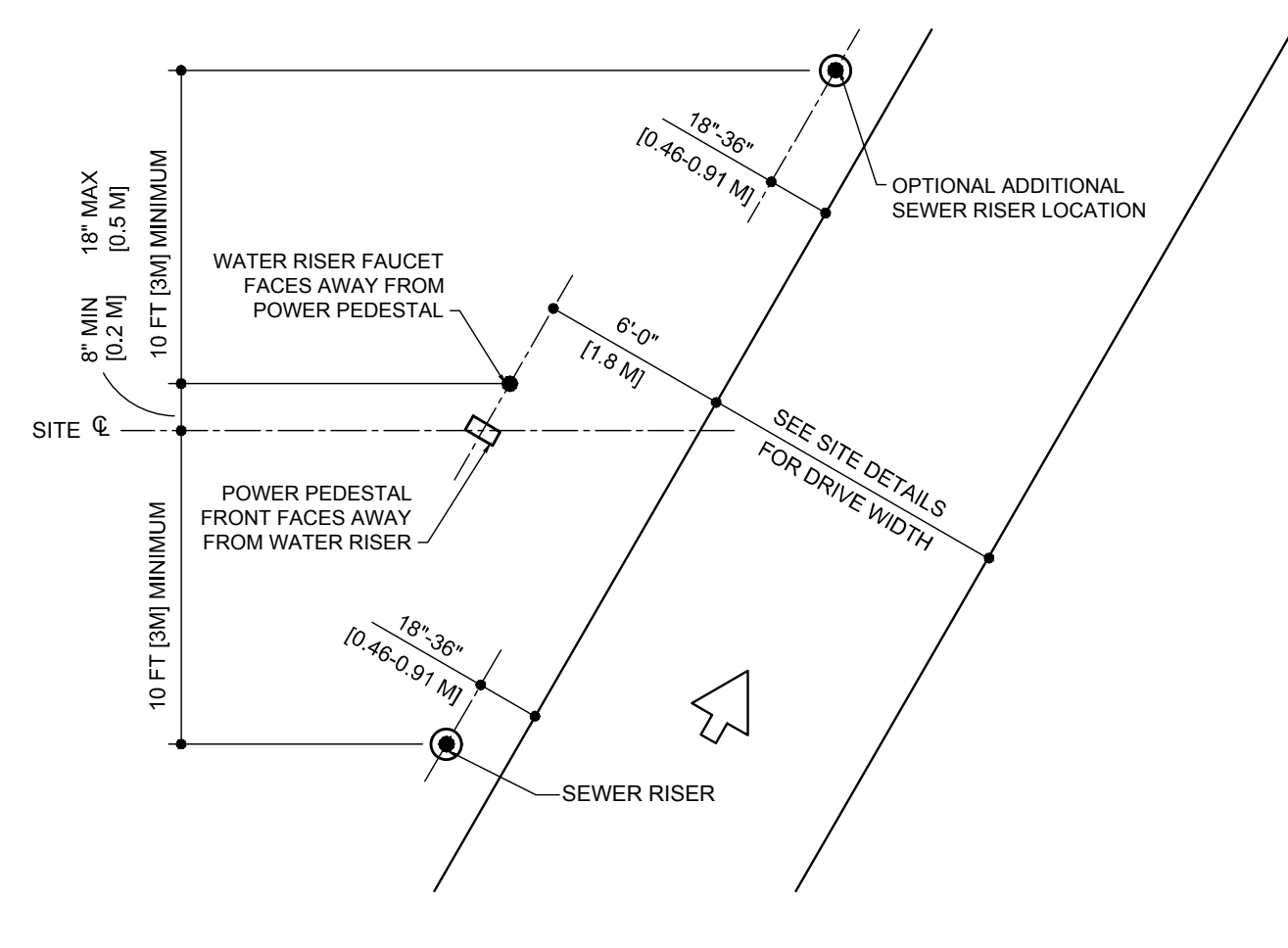




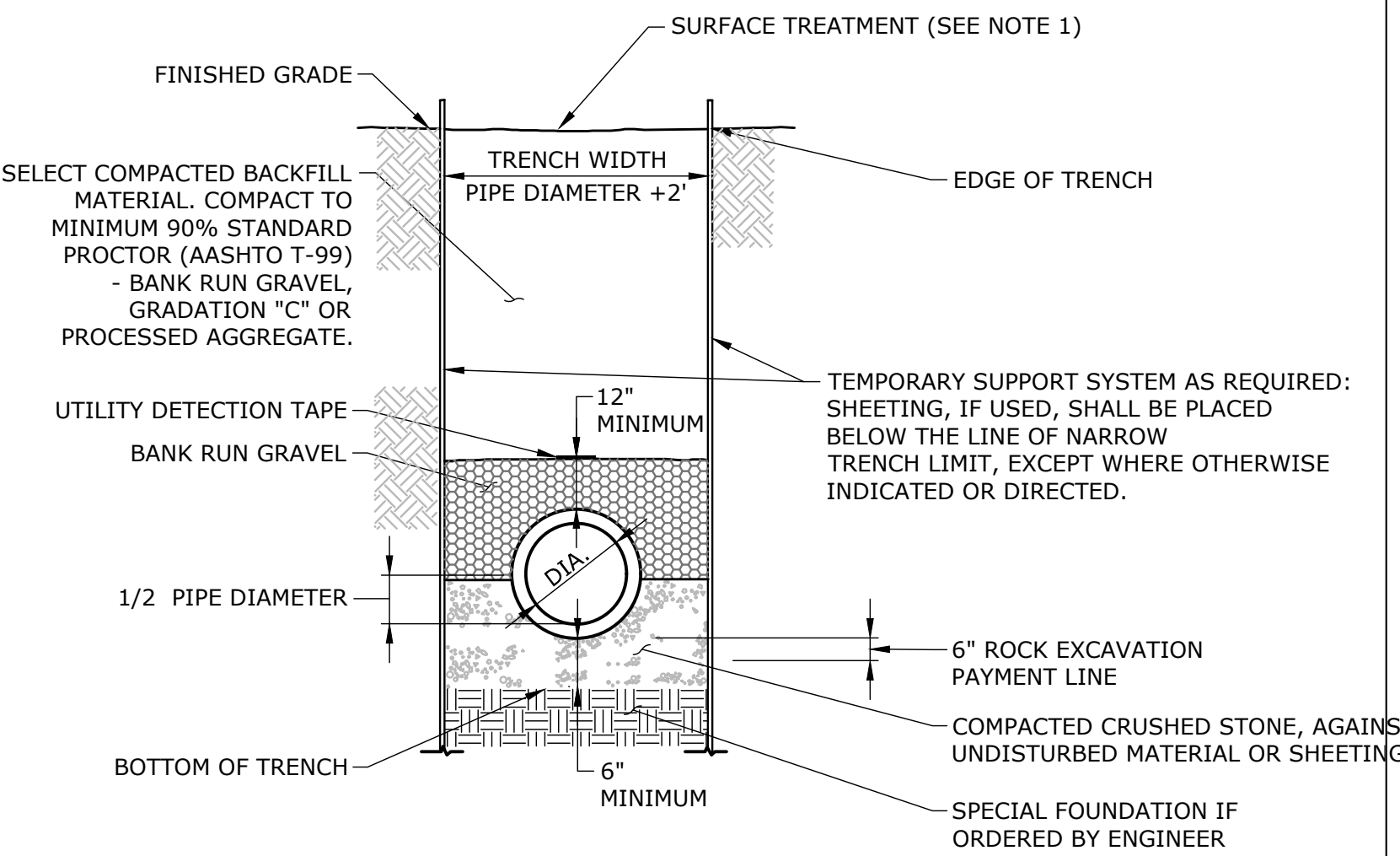




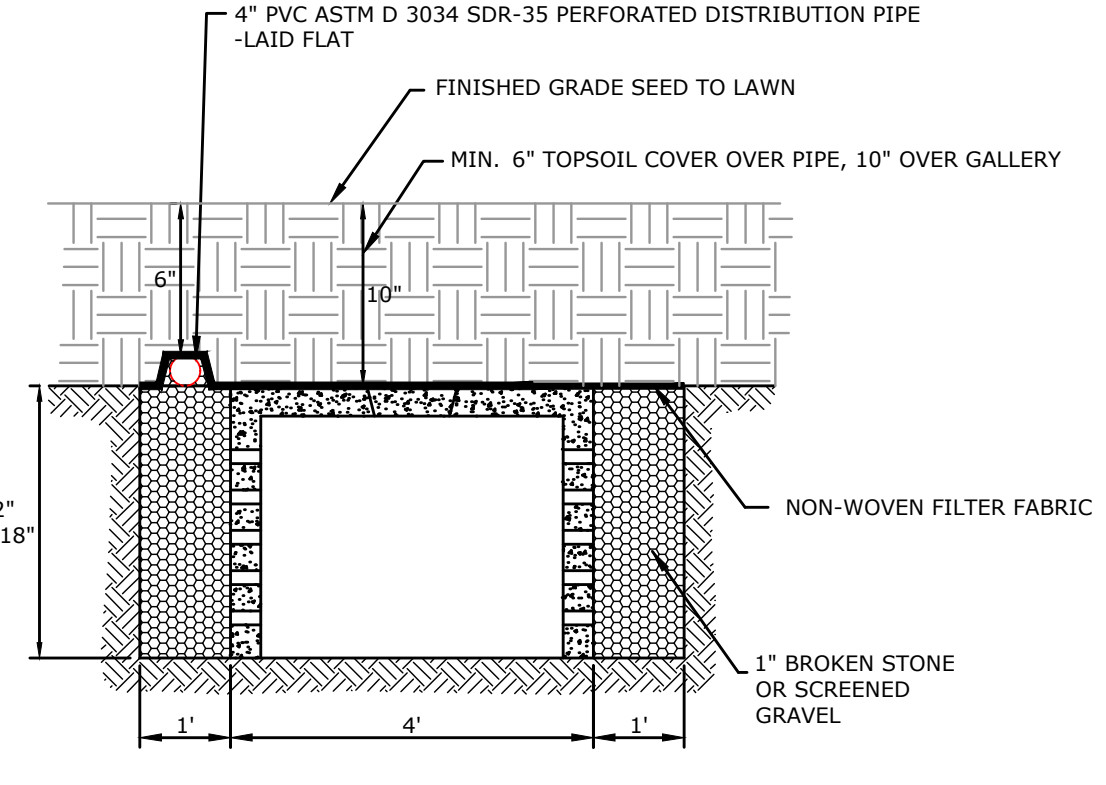
**KOA DETAIL - BACK-IN SITE UTILITY LAYOUT DETAIL**  
NOT TO SCALE



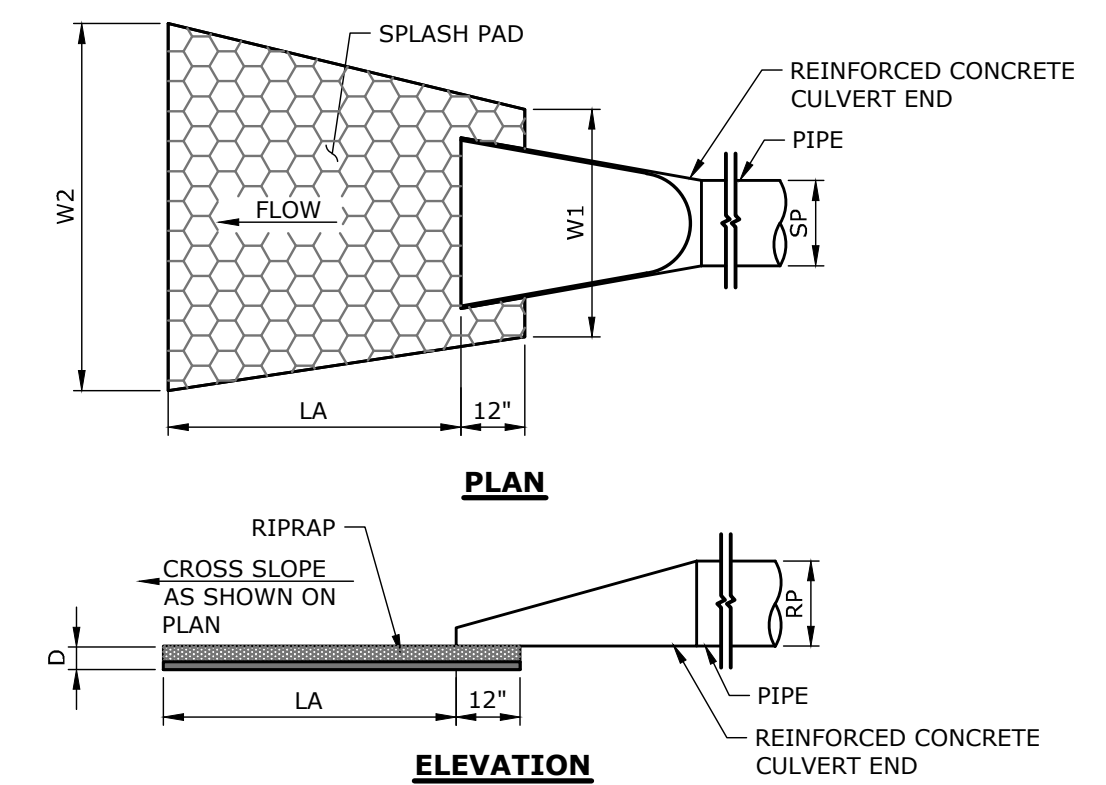
**KOA DETAIL - STANDARD PULL THROUGH UTILITY LAYOUT DETAIL**  
NOT TO SCALE



**SANITARY SEWER TRENCH**  
NOT TO SCALE

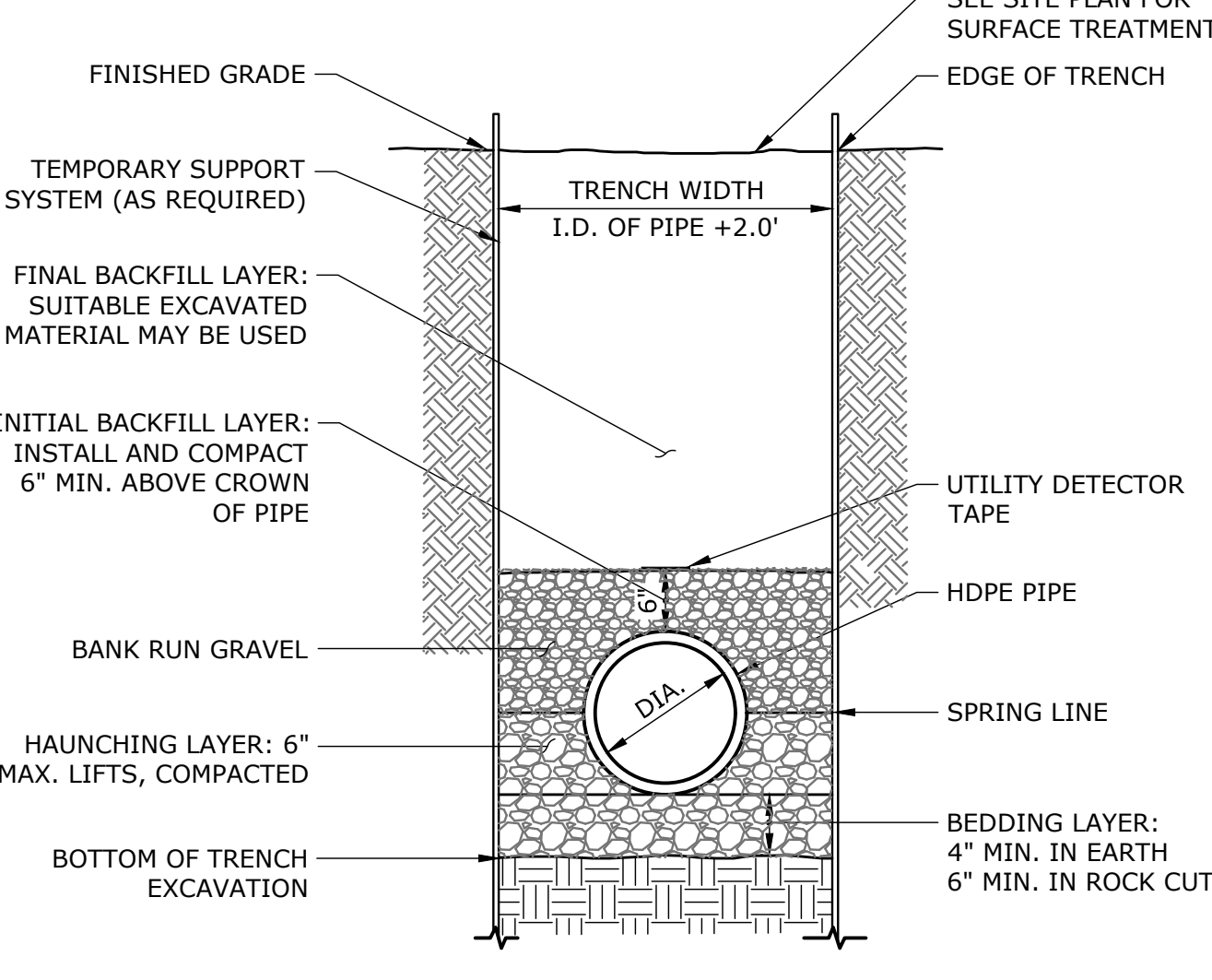


**TYPICAL SECTION THRU LEACHING GALLERY WITH TOP DISTRIBUTION PIPE**  
NOT TO SCALE

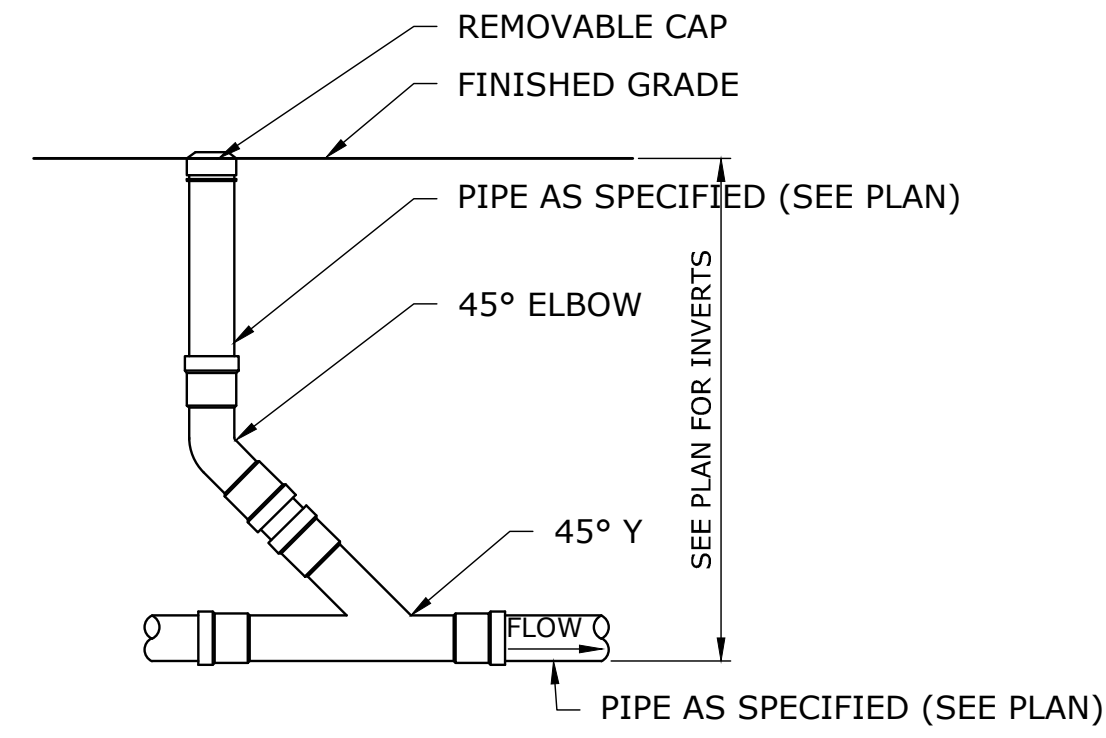


**FLARED END WITH RIP RAP SPLASH PAD**  
NOT TO SCALE

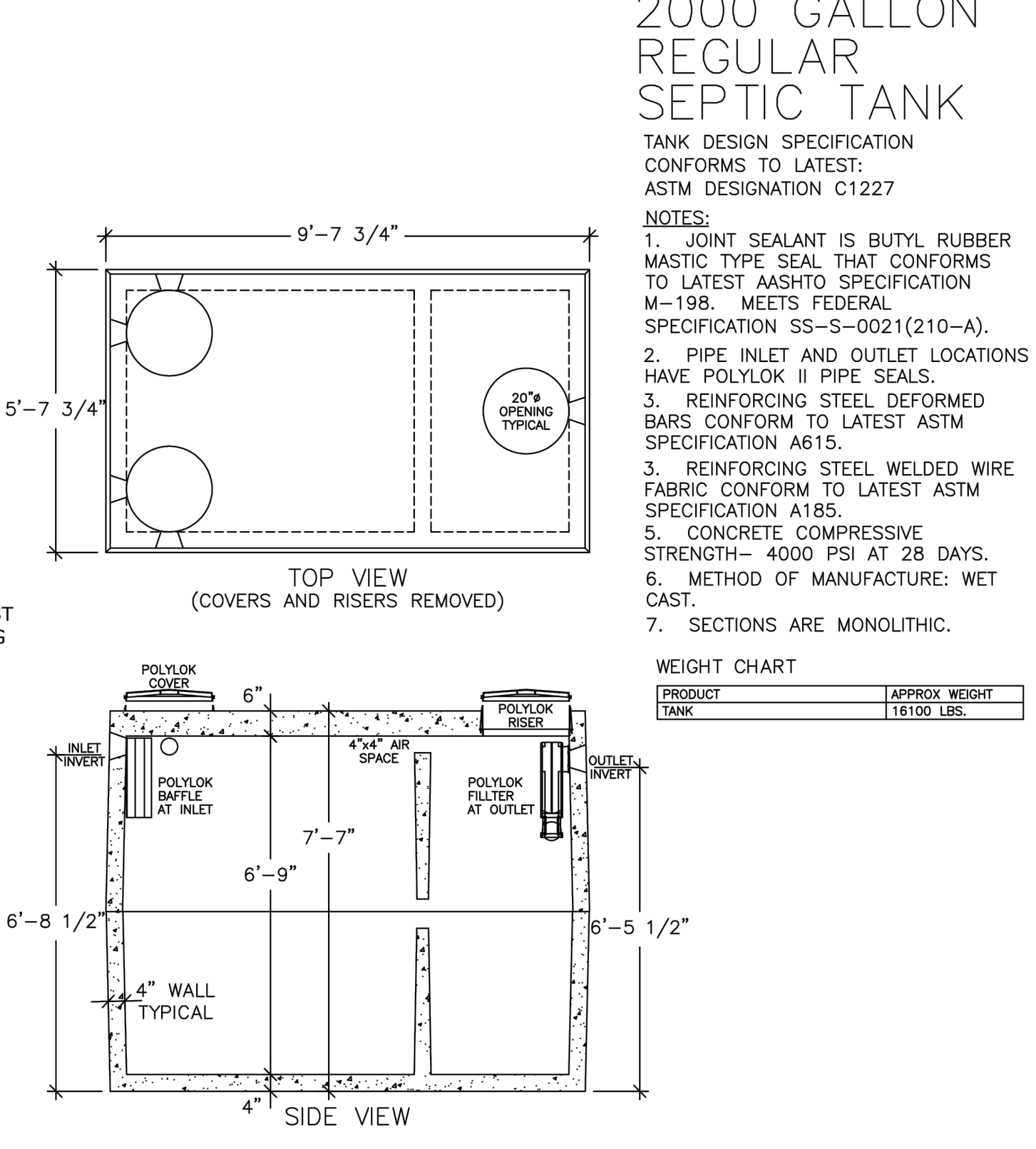
OUTLET PROTECTION ID	TYPE	SP (FT)	RP (FT)	LA (FT)	W1 (FT)	W2 (FT)	D (IN)
FES 5	INTERMEDIATE TYPE A	1.0	1.0	10.0	3.0	10.0	18
FES 8	STANDARD TYPE B	1.0	1.0	12.0	3.0	8.0	36
FES 13	MODIFIED TYPE A	1.0	1.0	10.0	3.0	10.0	12



**STORM DRAINAGE TRENCH**  
NOT TO SCALE



**SANITARY/STORM CLEANOUT**  
NOT TO SCALE

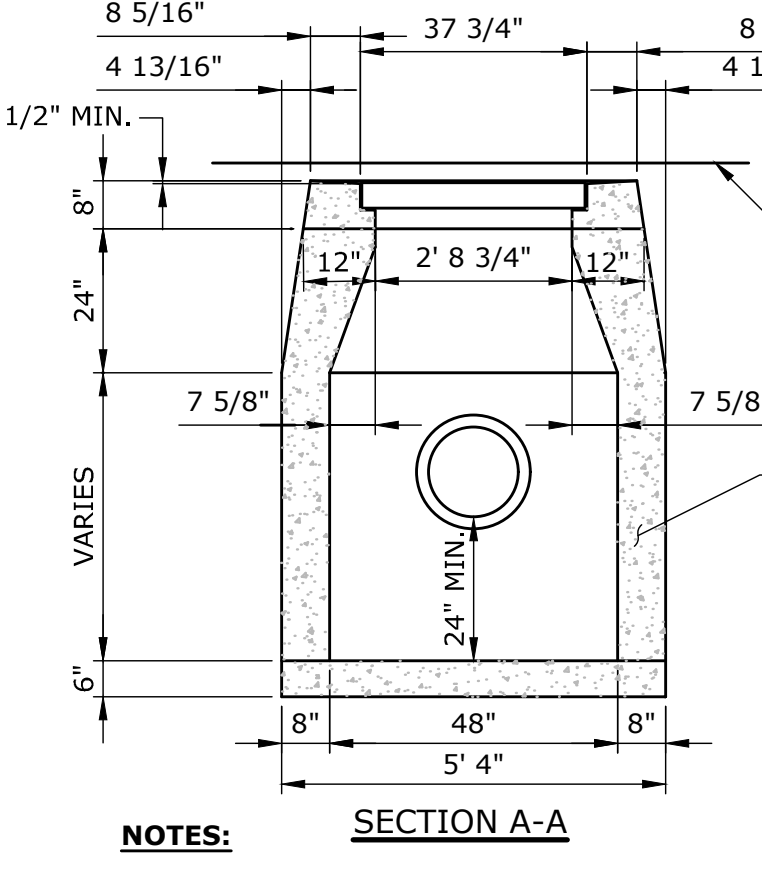
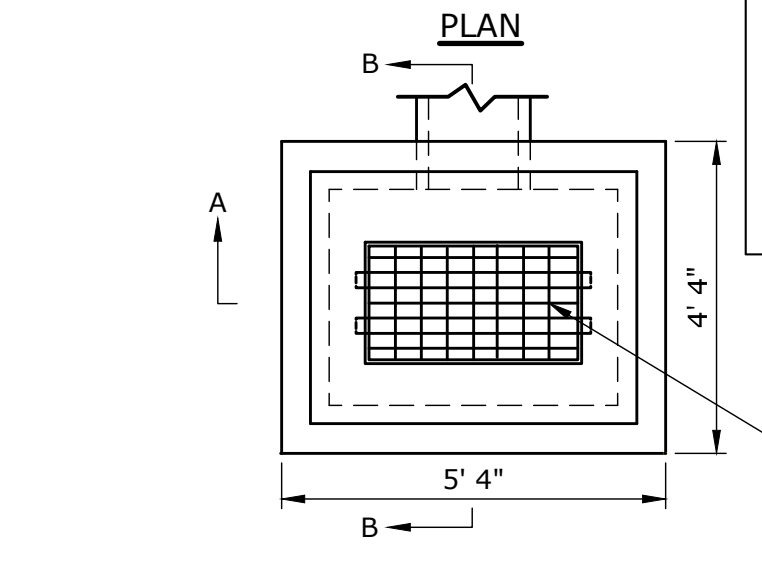


**2000 GALLON REGULAR SEPTIC TANK**  
TANK DESIGN SPECIFICATION CONFORMS TO LATEST ASTM DESIGNATION C1227  
NOTES:  
1. JOINT SEALANT IS BUTYL RUBBER MASTIC TYPE SEAL THAT CONFORMS TO LATEST AASHTO SPECIFICATION M-198. MEETS FEDERAL SPECIFICATION SS-5-0021(210-A).  
2. PIPE INLET AND OUTLET LOCATIONS HAVE POLYLOK II PIPE SEALS.  
3. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615.  
4. 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.

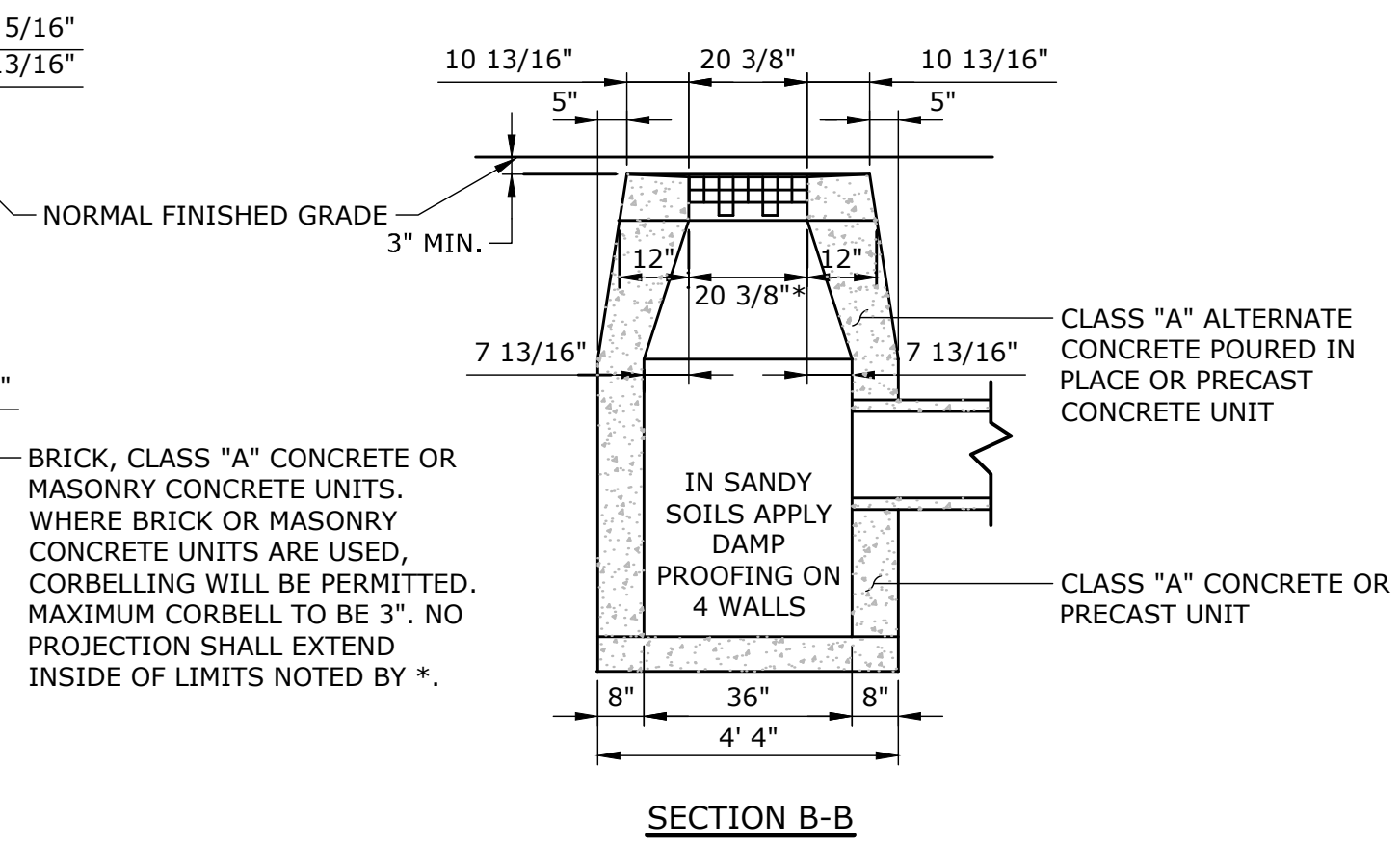
**WEIGHT CHART**

PRODUCT	APPROX WEIGHT
TANK	16100 LBS.

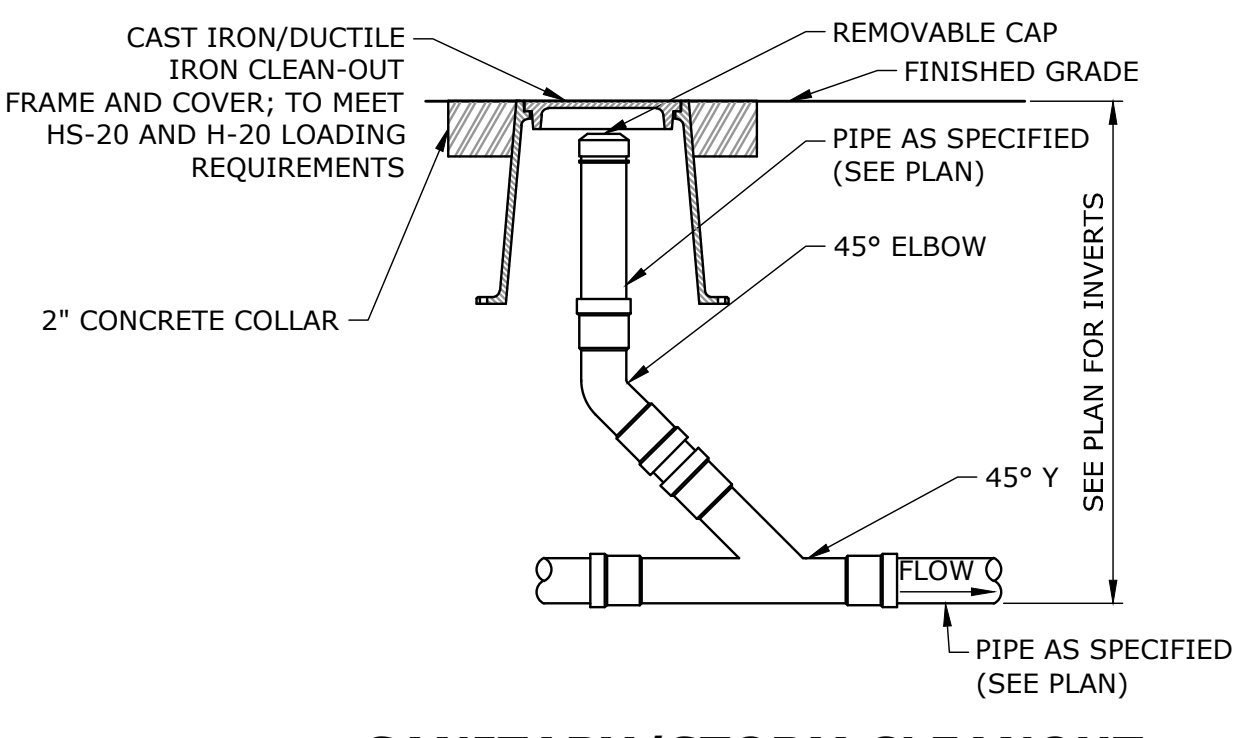
**UNITED CONCRETE PRODUCTS INC.**  
173 CHURCH STREET TEL. 800 234-3119 FAX. (203) 265-4941  
YALESVILLE, CT 06492 (203) 269-3119



**TYPE 'C-L' CATCH BASIN**  
NOT TO SCALE



**TYPE 'C-L' CATCH BASIN**  
NOT TO SCALE



**SANITARY/STORM CLEANOUT FOR USE ON PAVED AREAS**  
NOT TO SCALE

**SLR**  
90 REALTY DRIVE  
TORRINGTON, CT 06460  
203.271.7171  
SLRCONSULTING.COM

BY \_\_\_\_\_  
DATE \_\_\_\_\_  
DESCRIPTION \_\_\_\_\_

**SITE DETAILS**  
KLUG HILL RV PARK  
KOA CAMPGROUND  
232 KLUG HILL ROAD  
TORRINGTON, CONNECTICUT

DESIGNED	MLA	RJM
SCALE	NOT TO SCALE	
DATE	NOVEMBER 9, 2022	
PROJECT NO.	20174.00002	
SHEET NO.	18 OF 19	

**SD-8**



