

DANIELS & SONS

CONSTRUCTION, LLC

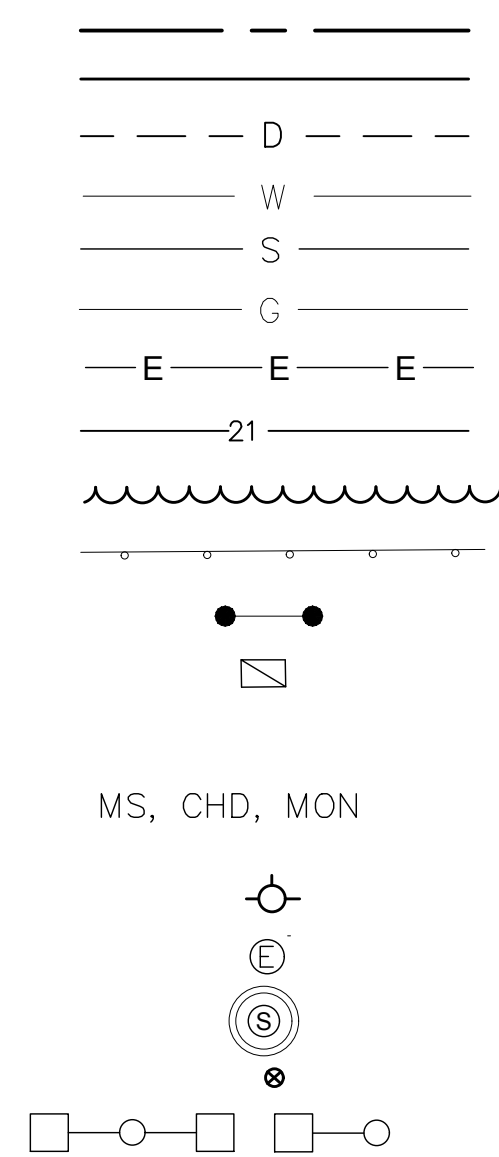
1492 HARTFORD-NEW LONDON TURNPIKE

MONTVILLE, CT

LEGEND

PROPERTY LINE
 EDGE OF PAVEMENT
 DRAINAGE
 WATER
 SEWER
 GAS
 ELECTRIC
 CONTOUR
 TREE LINE
 GUIDERAIL
 SIGNS
 CATCH BASIN
 IRON PIN, IRON PIPE

FIRE HYDRANT
 ELECTRIC MANHOLE
 SEWER MANHOLE
 GAS GATE, WATER GATE
 LAMP



SCALE: 1" = 1000'

INDEX TO DRAWINGS

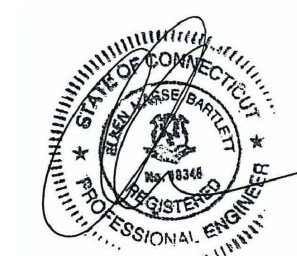
DRAWING NO.	DESCRIPTION OF DRAWINGS
1	LOT 13, 14, 15 & 18 RECONFIGURATION
2	EROSION & SEDIMENTATION CONTROL PLAN
3	SITE & GRADING PLAN
4	SEPTIC PLAN
5	DRAINAGE PLAN - EXISTING

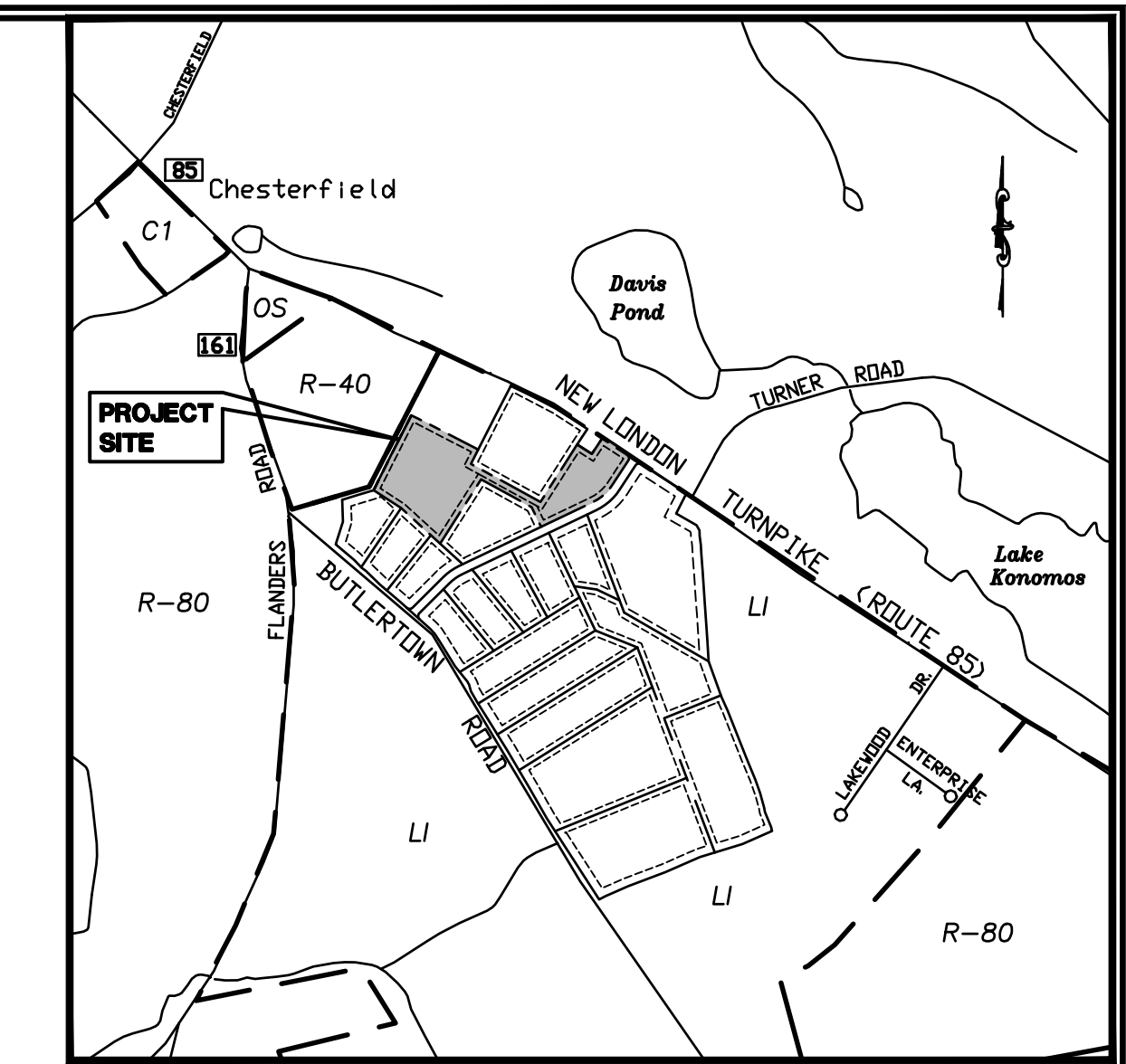
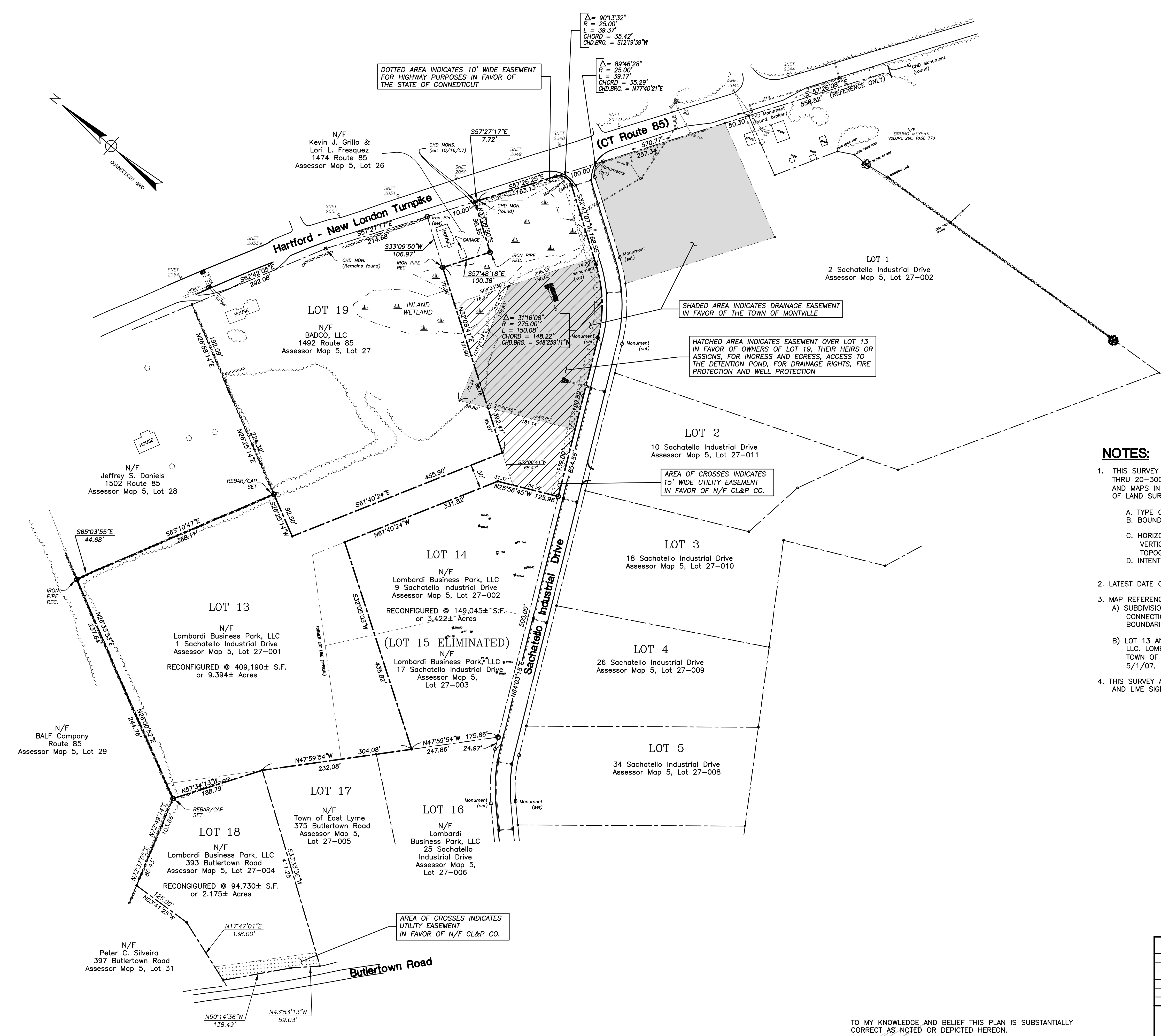
APPLICANT NAME AND ADDRESS:
JEFFREY DANIELS
1502 HARTFORD-NEW LONDON TURNPIKE
OAKDALE, CT 06370

APRIL 2024

GREEN SITE
DESIGN
LLC

317 Main Street Norwich, Connecticut
 (860) 892-1380 Fax (860) 886-9165

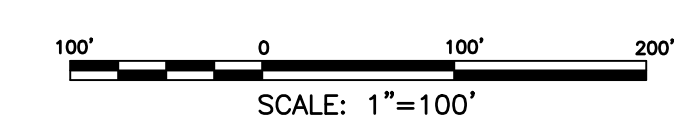




LOCATION MAP
SCALE: 1"=1000'

NOTES:

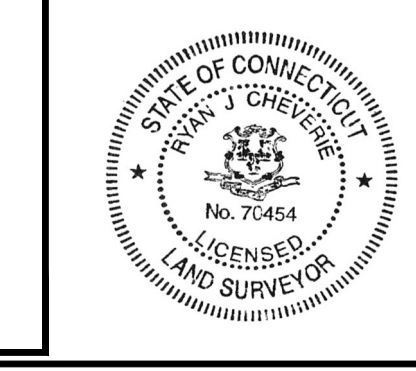
- THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS FOR STATE AGENCIES "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC.
 - A. TYPE OF SURVEY: BOUNDARY/RESUBDIVISION
 - B. BOUNDARY DETERMINATION CATEGORY: DEPENDENT RESURVEY OF PERIMETER ORIGINAL SURVEY OF PROPOSED LOT LINE
 - C. HORIZONTAL ACCURACY: CLASS A-2
 - VERTICAL ACCURACY: CLASS N/A
 - TOPOGRAPHIC ACCURACY: CLASS N/A
 - D. INTENT: TO RECONFIGURE LOTS 13, 14 AND 18 AND ELIMINATE LOT 15 OF LOMBARDI BUSINESS PARK SUBDIVISION.
- LATEST DATE OF FIELD INSPECTION: MARCH 2016.
- MAP REFERENCE:
 - A) SUBDIVISION PLAN PREPARED FOR LOMBARDI BUSINESS PARK, ZAIST PROPERTY, MONTVILLE, CONNECTICUT, SCALE: 1"=100', MAY 2004, JOB I.D. NO. 03-972 SHEET NO. 2 BY BOUNDARIES, INC.
 - B) LOT 13 AND LOT 19 RECONFIGURATION, PROPERTY OF HOLLY LOMBARDI LAND HOLDINGS, LLC. LOMBARDI BUSINESS PARK, 1492 ROUTE 85 & 1 SACHATELLO INDUSTRIAL DRIVE TOWN OF MONTVILLE, CONNECTICUT, SCALE: 1"=100', PROJECT NO. CLA-4172, DATE: 5/1/07, SHEET NO. 1, REVISED TO 12/12/07 BY CLA ENGINEERS, INC.
- THIS SURVEY AND MAP ARE VALID ONLY IF THE PRINT OR MYLAR HAS THE EMBOSSED SEAL AND LIVE SIGNATURE OF THE SURVEYOR

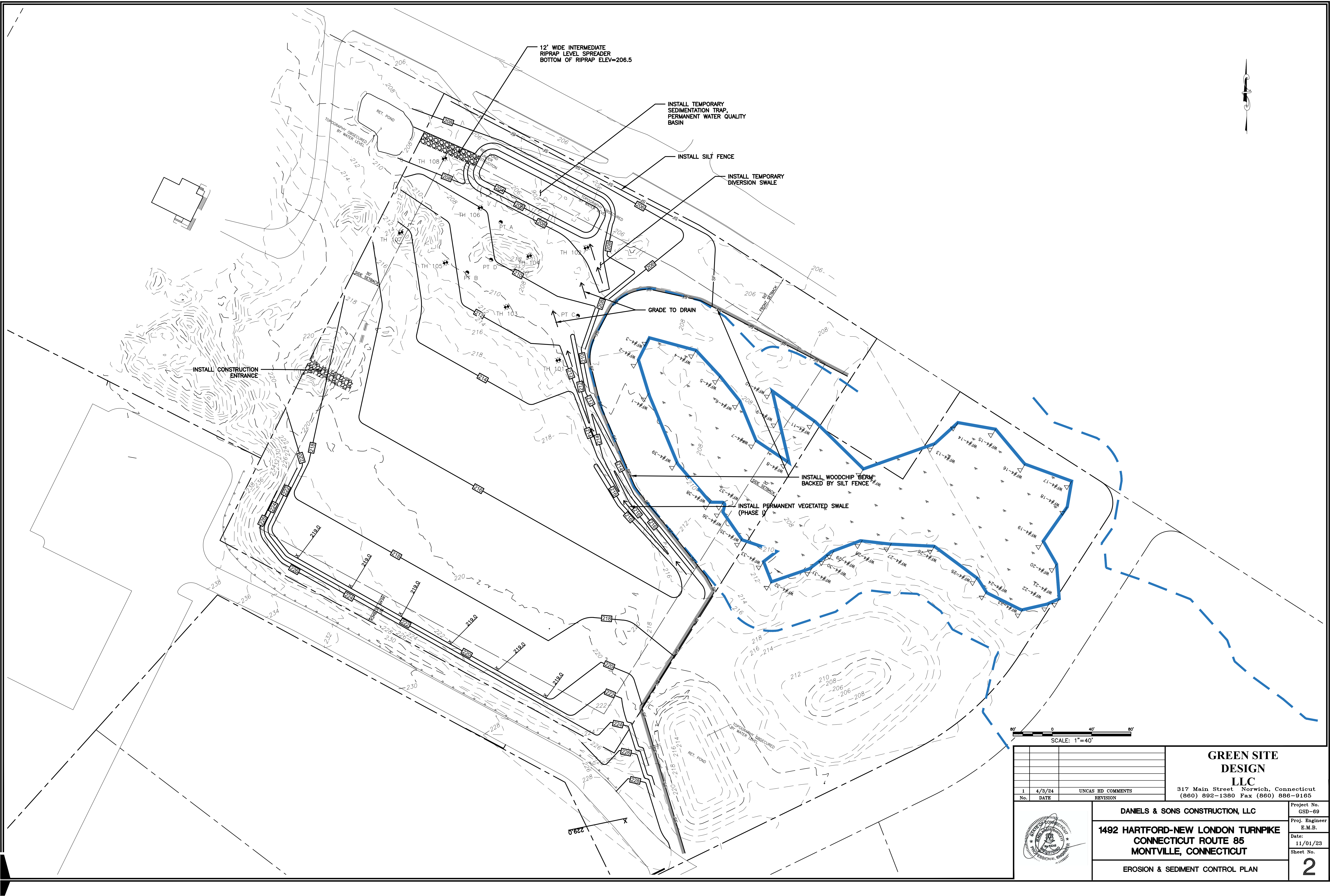


TO MY KNOWLEDGE AND BELIEF THIS PLAN IS SUBSTANTIALLY CORRECT AS NOTED OR DEPICTED HEREON.

Ryan J. Cheverie 04/05/24
 RYAN J. CHEVERIE, L.L.S. #70454 DATE

		GREEN SITE DESIGN	
		— LLC —	
		317 Main Street Norwich, Connecticut (860) 892-1380 Fax (860) 886-9165	
		Map 5 Lot 27-001 1 Sachatello Industrial Drive	Project No. GSD-31 Proj. Engineer E.M.B. Date: MARCH 2016 Sheet No. 1
		WIDE WORLD OF INDOOR SPORTS GO-CART FACILITY Lot 13, 14, 15 & 18 Reconfiguration Sachatello Industrial Drive & Butlertown Road Town of Montville, Connecticut	





SCALE: 1"=40'

No.	DATE	REVISION
1	4/3/24	UNCAS HD COMMENTS

GREEN SITE DESIGN LLC
 317 Main Street Norwich, Connecticut
 (860) 892-1380 Fax (860) 886-9165



DANIELS & SONS CONSTRUCTION, LLC
1492 HARTFORD-NEW LONDON TURNPIKE
CONNECTICUT ROUTE 85
MONTVILLE, CONNECTICUT

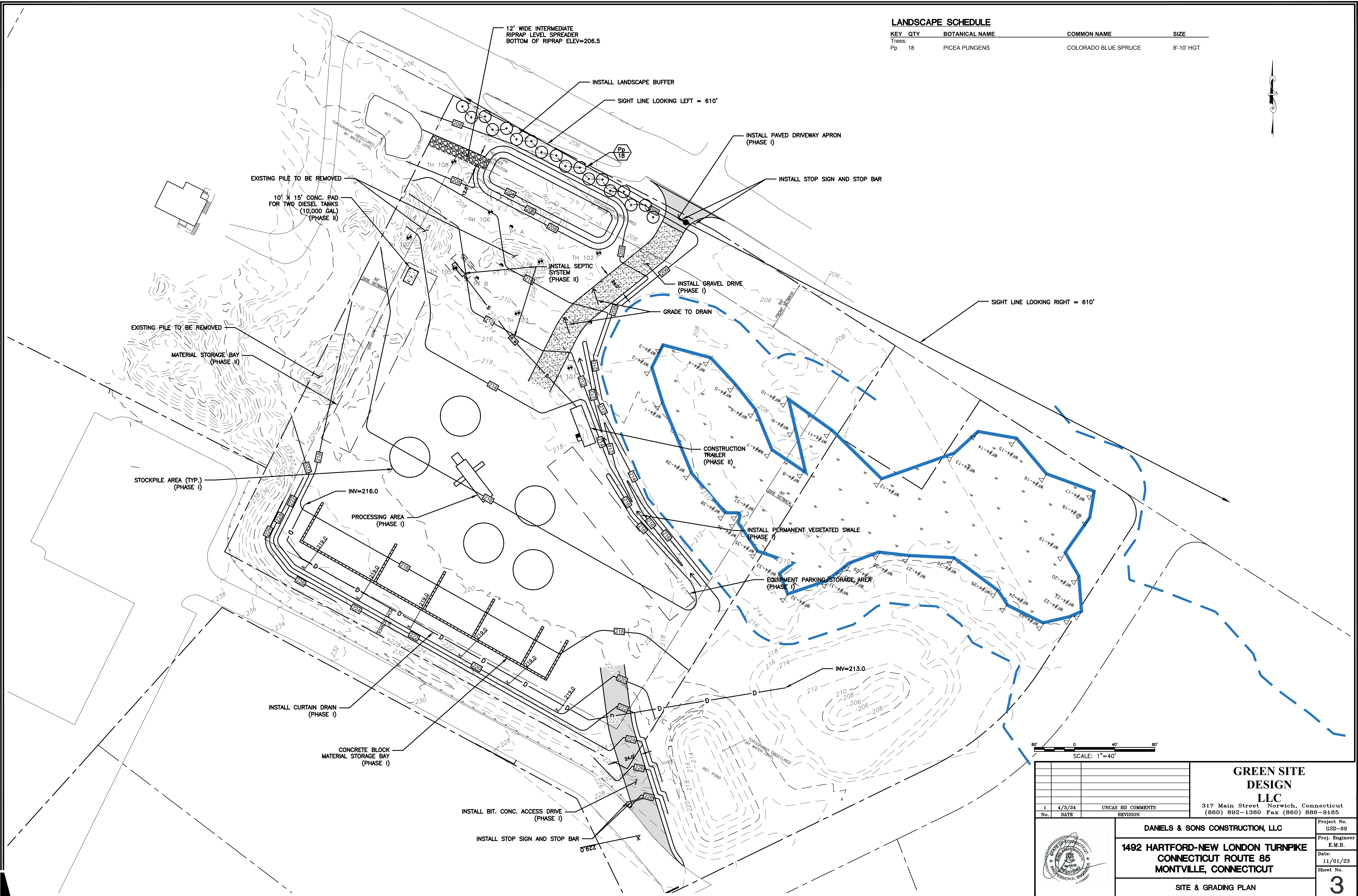
Project No. GSD-69
 Proj. Engineer E.M.B.
 Date: 11/01/23
 Sheet No.

EROSION & SEDIMENT CONTROL PLAN

2

LANDSCAPE SCHEDULE

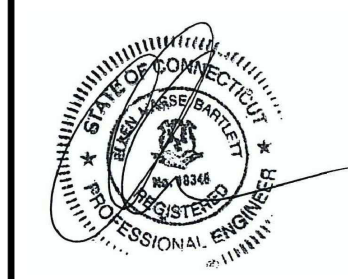
KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE
Trees:				
Pp	18	PICEA PUNGENS	COLORADO BLUE SPRUCE	8'-10' HGT



SCALE: 1"=40'

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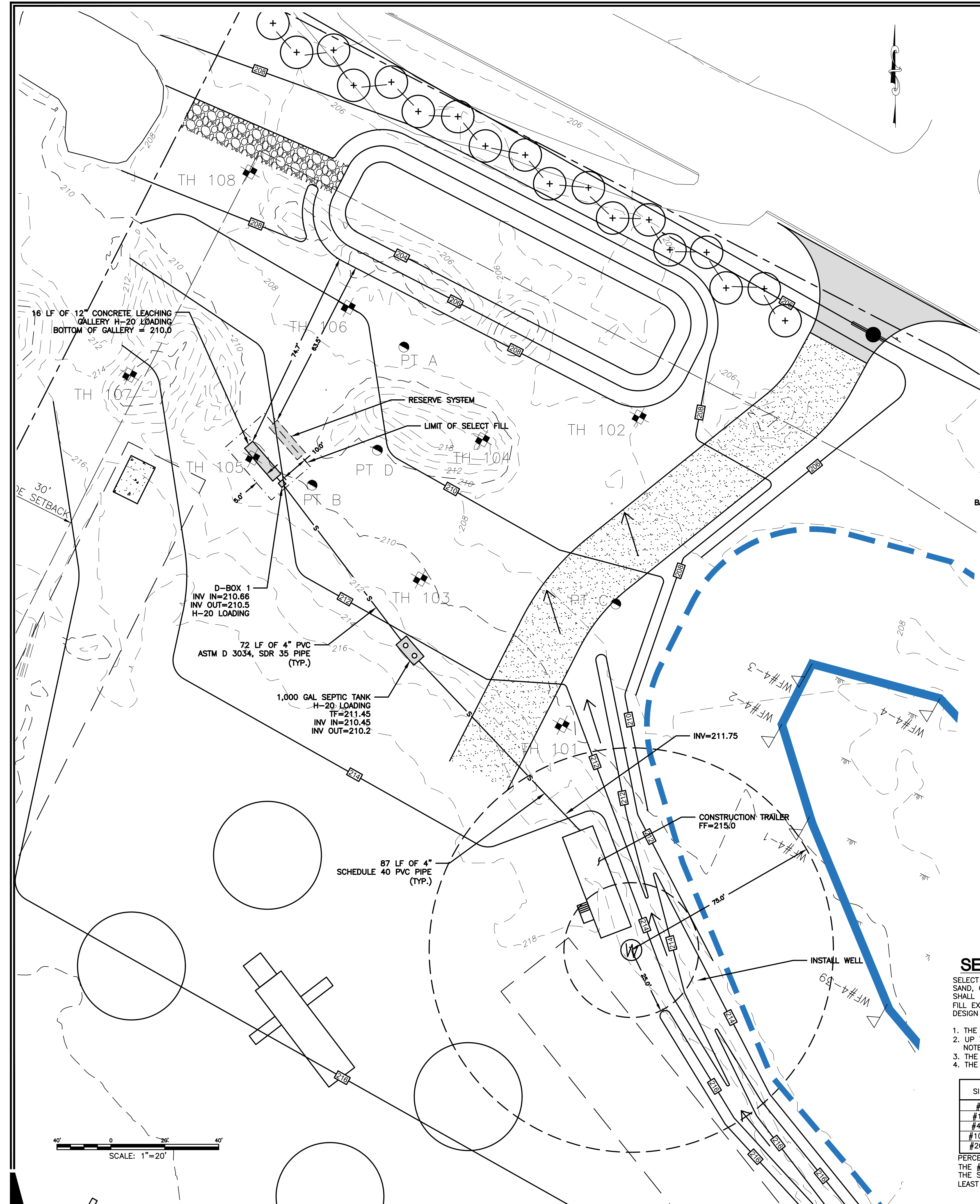


DANIELS & SONS CONSTRUCTION, LLC
 1492 HARTFORD-NEW LONDON TURNPIKE
 CONNECTICUT ROUTE 85
 MONTVILLE, CONNECTICUT

Project No. GSD-69
 Proj. Engineer E.M.B.
 Date: 11/01/23
 Sheet No.

SITE & GRADING PLAN

3



PERC TEST DATA	PERC TEST DATA	PERC TEST DATA	PERC TEST DATA
PERC A: TOTAL DEPTH - 12" PRESOAK AT 12:13	PERC B: TOTAL DEPTH - 12" PRESOAK AT 12:15	PERC C: TOTAL DEPTH - 19" PRESOAK AT 10:30	PERC D: TOTAL DEPTH - 22" PRESOAK AT 11:00
1:03 - 3" 1:08 - 3 1/2" 1:13 - 3 3/4" 1:18 - 4" 1:23 - 4 1/2" 1:28 - 4 3/4" 1:33 - 5" 1:38 - 5 1/2" 1:43 - 5 3/4"	12:30 - 2 1/2" 12:32 - 4" 12:34 - 5" 12:36 - 6" 12:38 - 7" 12:40 - 8" 12:42 - 9" 12:44 - 10" 12:46 - EMPTY	1:15 - 7" 1:20 - 7 1/2" 1:25 - 8" 1:30 - 8 1/2" 1:35 - 9" 1:40 - 9 1/2" 1:45 - 10" 1:50 - 10 1/2" 1:55 - 11" 2:00 - 11 1/2" 2:05 - 12"	12:15 - 10" 12:20 - 12" 12:25 - 13" 12:30 - 14" 12:35 - 15" 12:40 - 16" 12:45 - 17" 12:50 - 17 1/2" 12:55 - 18" 1:00 - 18 1/2" 1:05 - 19 1/2" 1:10 - 19 3/4" 1:15 - 20 1/2"
PERC RATE = 15 MIN/IN	PERC RATE = 2 MIN/IN	PERC RATE = 10 MIN/IN	PERC RATE = 10 MIN/IN

TEST HOLE DATA
TEST HOLES RECORDED BY ROBERT RUSSO ON MARCH 28, 2007

NOTE: THE SITE HAS BEEN RE-GRADED SINCE THE TEST HOLES WERE DUG IN 2007. THE ORIGINAL GRADE IS SHOWN NEXT TO THE TEST PITS BELOW

TH #101 (ORIGINAL ELEV: 213.1)
67" TOTAL DEPTH
0-15" Topsoil dark brown sandy loam
15-26" Subsoil yellow brown sandy loam w/cobbles
26-45" Subsoil yellow brown sandy loam w/cobbles & gray mottles
45-67" Subsoil dark brown sandy loam w/cobbles
NO BEDROCK
WATER 60"
MOTTLING 26"

TH #102 (ORIGINAL ELEV: 208.9)
76" TOTAL DEPTH
0-20" Topsoil dark brown fine sandy loam
20-23" Subsoil yellow brown fine sandy loam, silty layers
23-46" Subsoil yellow brown fine sandy loam w/cobbles & stones & gray mottles, silty layers
46-76" Subsoil gray brown fine sandy loam w/cobbles & stones
NO BEDROCK
WATER 67"
MOTTLING 23"

TH #103 (ORIGINAL ELEV: 213.2)
91" TOTAL DEPTH
0-8" Topsoil dark brown fine sandy loam.
8-31" Subsoil yellow brown sandy loam w/cobbles
31-91" Subsoil gray brown sand w/few cobbles
NO BEDROCK
WATER 65"
NO MOTTLING

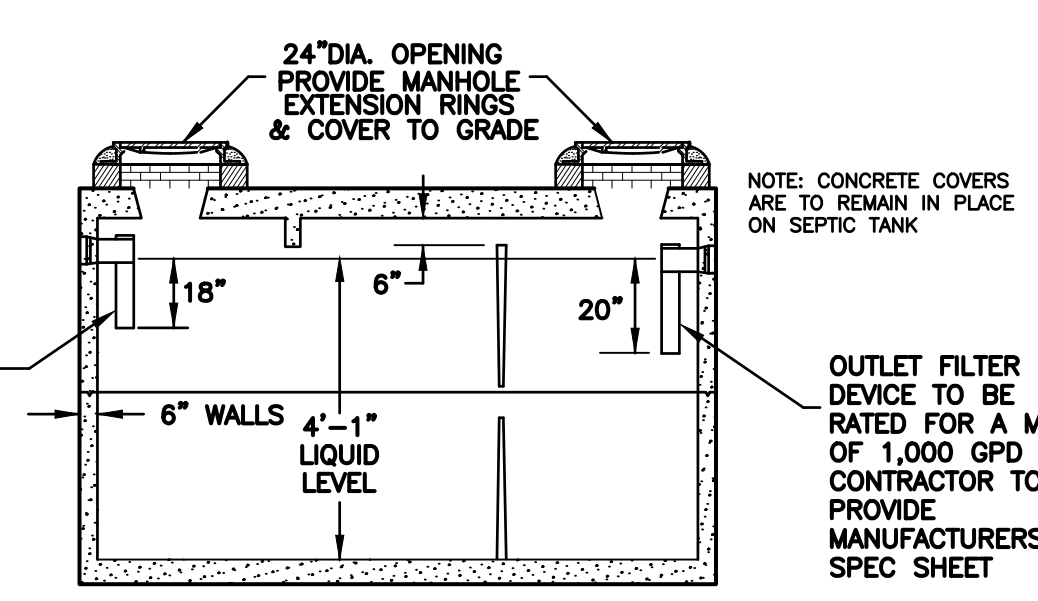
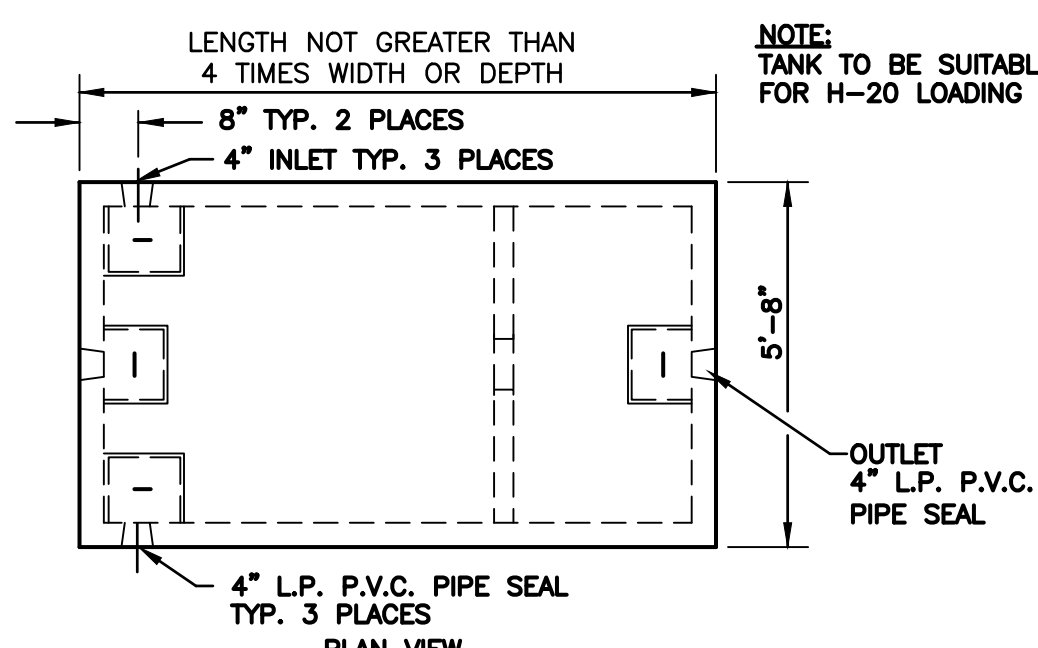
TH #104 (ORIGINAL ELEV: 210.0)
72" TOTAL DEPTH
0-13" Topsoil very dark brown fine sandy loam.
13-19" Subsoil yellow brown fine sandy loam-silty
19-42" Subsoil strong brown fine sand loam, silty w/gray & orange mottles & cobbles
42-72" Subsoil brown silty sand & gravel w/stones
NO BEDROCK
WATER 61"
MOTTLING 19"

TH #105 (ORIGINAL ELEV: 214)
103" TOTAL DEPTH
0-10" Topsoil dark brown sandy loam.
10-41" Subsoil yellow brown sandy loam
41-103" Subsoil gray brown sand w/some gravel & stone
NO BEDROCK
WATER 97"
NO MOTTLING

TH #106 (ORIGINAL ELEV: 210.1)
88" TOTAL DEPTH
0-24" Topsoil dark brown silty loam.
24-27" Subsoil yellow brown fine sandy loam
27-88" Subsoil gray sand & cobbles
NO BEDROCK
WATER 81"
MOTTLING 24"

TH #107 (ORIGINAL ELEV: 215.9)
109" TOTAL DEPTH
0-7" Topsoil dark brown sandy loam.
7-27" Subsoil yellow brown sandy loam
27-109" Subsoil gray brown sand
NO BEDROCK
WATER 98"
NO MOTTLING

TH #108 (ORIGINAL ELEV: 211.0)
91" TOTAL DEPTH
0-10" Topsoil very dark brown silty loam.
10-30" Subsoil yellow brown sandy loam w/stones
30-91" Subsoil brown sand w/gravel & stone
NO BEDROCK
WATER 84"
MOTTLING 21"



1,000 GALLON SEPTIC TANK
NOT TO SCALE

SEPTIC SYSTEM DESIGN

PRIMARY LEACHING AREA
PROPOSED 480 SF CONSTRUCTION TRAILER
DESIGN FLOW: OFFICE USE FOR ENTIRE BUILDING
OFFICE: 200 SF / EMPLOYEE
480 SF / 200 SF = 2.4 EMPLOYEES
DESIGN FLOW = 3 EMPLOYEES x 20 GPD/EMPLOYEE = 60 GPD

SEPTIC SYSTEM SIZING:
(NONRESIDENTIAL BUILDING WITH NON-PROBLEMATIC SEWAGE)
PERCOLATION RATE LESS THAN 10.1
APPLICATION RATE = 1.5 GPD / ELA
LEACHING AREA REQUIRED: 60 GPD / 1.5 GPD/ELA = 40 SF
USE 12"x48" CONCRETE LEACHING GALLERIES
ELA OF TRENCH = 5.9 SF/LF
LENGTH OF LEACHING TRENCH REQUIRED:
40 SF / 5.9 SF/LF = 6.78 LF

MISS CALCULATION
MLSS = PF x FF x HF
PF = 1.0 FF = (DESIGN FLOW)/300 = 60/300 = 0.2
HF = 30
MLSS = 1.0 x 0.2 x 30 = 6

PROPOSED SYSTEM
USE 1 ROW OF 16 LF 12"x48" CONCRETE LEACHING GALLERIES
LEACHING AREA PROVIDED = 24.4 SF

RESERVE LEACHING AREA
USE SAME AS PRIMARY SYSTEM

TANK SIZING
NO WATER TREATMENT WASTEWATER
NO OVERSIZED TUBS
NO GARbage GRINDER
24-HOUR DESIGN FLOW: 48 GPD
1,000 GALLON SEPTIC TANK PROVIDED

GENERAL NOTES

- TOPOGRAPHIC INFORMATION ON THIS PLAN PROVIDED BY CLA ENGINEERS INC.
- PROPOSED BUILDING AND SEPTIC SYSTEM TO BE STAKED IN THE FIELD BY A LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT.
- ALL WORK AND MATERIAL (SEPTIC TANK, DISTRIBUTION BOX, PIPE, SELECT FILL) SHALL CONFORM TO THE CONNECTICUT PUBLIC HEALTH CODE REGULATIONS AND STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL.
- SEWER LINE FROM FOUNDATION WALL TO SEPTIC SHALL BE 4" SCHEDULE 40 PVC - ASTM D 1785 AND JOINTS PER HEALTH DEPT. CODE.
- GALLERIES SHALL BE SET LEVEL FOR ENTIRE LENGTH AND HAVE A CENTER TO CENTER SPACING OF 12 FEET.
- PIPE FROM SEPTIC TANK TO DISTRIBUTION LINES SHALL BE 4" SOLID PVC CONFORMING TO ASTM D-3034 AND SDR-35.
- ALL EXISTING UTILITIES TO BE ACCURATELY LOCATED PRIOR TO CONSTRUCTION.
- THERE ARE PRESENTLY NO KNOWN WATER WELLS WITHIN 75' OF THE PROPOSED SEPTIC SYSTEM.
- A VERTICAL BENCHMARK SHALL BE PROVIDED WITHIN 50 FEET OF THE PROPOSED BUILDING LOCATION PRIOR TO THE START OF CONSTRUCTION.
- CLEAR AND GRUB THE AREA WHERE THE SEPTIC SYSTEM AND BUILDING ARE TO BE CONSTRUCTED.
- ALL FILL MATERIAL SHALL CONFORM TO HEALTH CODE AND BE CLEAN EARTH FREE OF STUMPS, ORGANICS, CONSTRUCTION DEBRIS AND TOPSOIL.
- TOPSOIL SHALL BE RE-APPLIED OVER ALL FILL AREAS AND ALL DISTURBED AREAS TO PROVIDE A MINIMUM DEPTH OF FOUR INCHES.
- AFTER THE FILL IS PLACED AND COMPACTED, AN ADDITIONAL PERC TEST MUST BE DONE IN ORDER TO CONFIRM THAT THE FILL DRAINS PROPERLY.
- ADDITIONAL TEST HOLES AND A PERCOLATION TEST ARE TO BE CONDUCTED PRIOR TO INSTALLATION.

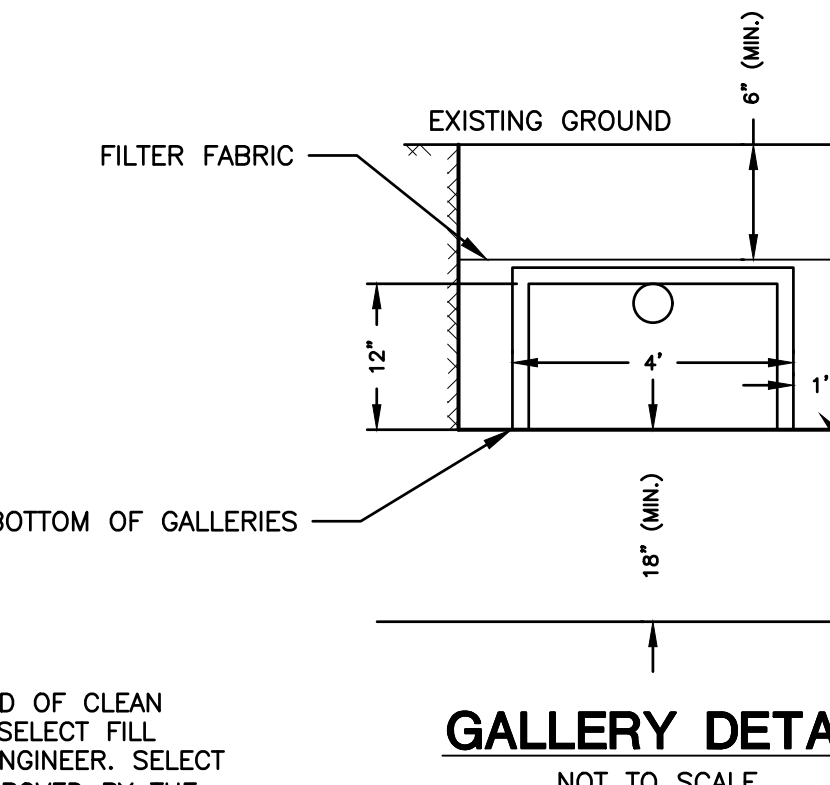
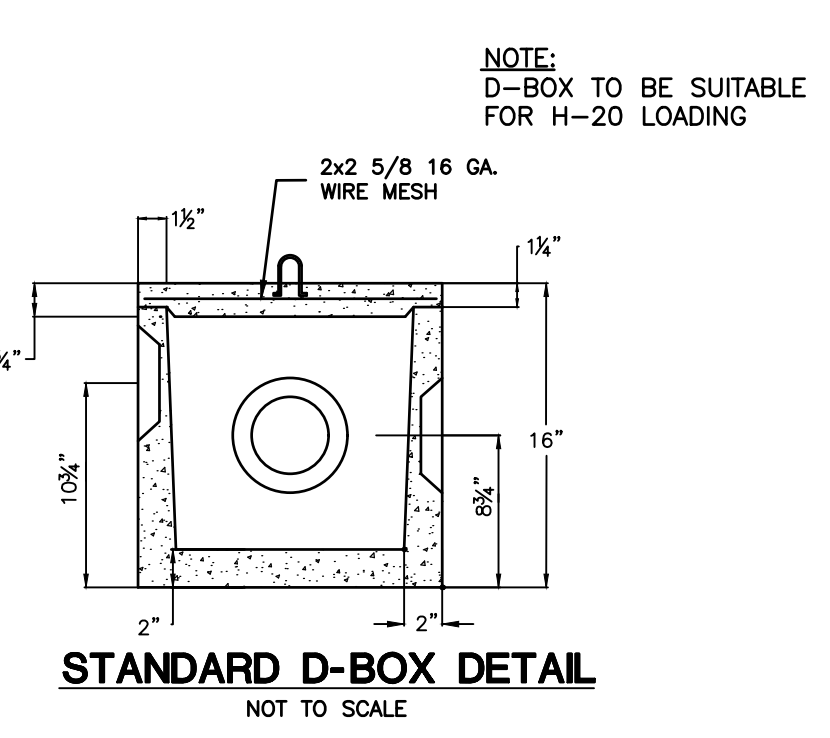
SELECT FILL

SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE COMPRISED OF CLEAN SAND, OR SAND AND GRAVEL, FREE FROM ORGANIC MATTER AND FOREIGN SUBSTANCES. THE SELECT FILL SHALL MEET THE FOLLOWING REQUIREMENTS UNLESS OTHERWISE APPROVED BY THE DESIGN ENGINEER. SELECT FILL EXCEEDING 6% PASSING THE #200 SIEVE BASED ON A WET SIEVE TEST CANNOT BE APPROVED BY THE DESIGN ENGINEER.

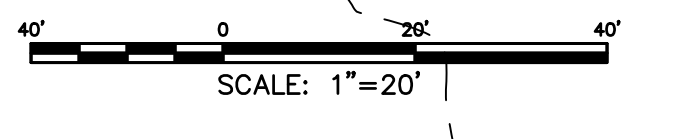
- THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THEN THREE (3) INCH SIEVE.
- UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED ON THE #4 SIEVE. NOTE: THIS IS THE GRAVEL PORTION OF THE SAMPLE.
- THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
- THE REMAINING SAMPLE SHALL MEET THE FOLLOWING GRADATION CRITERIA.

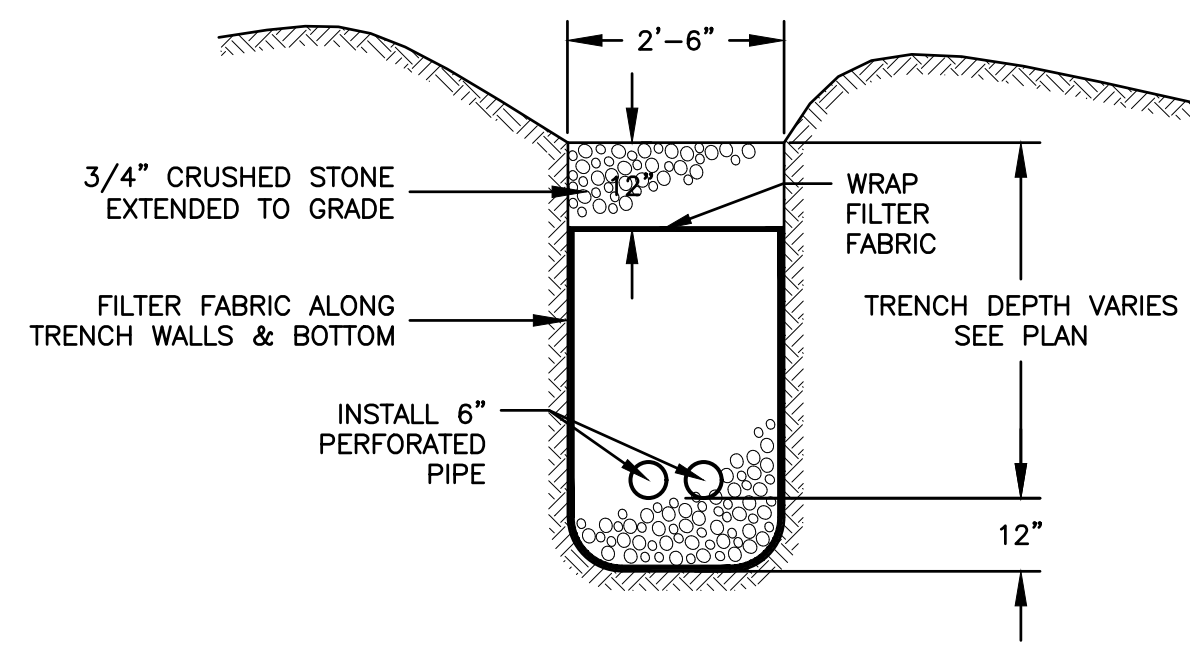
SIEVE SIZE	PERCENT PASSING	
	WET SIEVE	DRY SIEVE
#4	100	100
#10	70-100	70-100
#40	10-50	10-75
#100	0-20	0-5
#200	0-5	0-2.5

PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THEN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%. THE SELECT FILL MUST BE TESTED AFTER PLACEMENT AND MUST HAVE A PERCOLATION RATE AT LEAST AS FAST AS THE DESIGN RATE OF LESS THAN 10 MIN/INCH

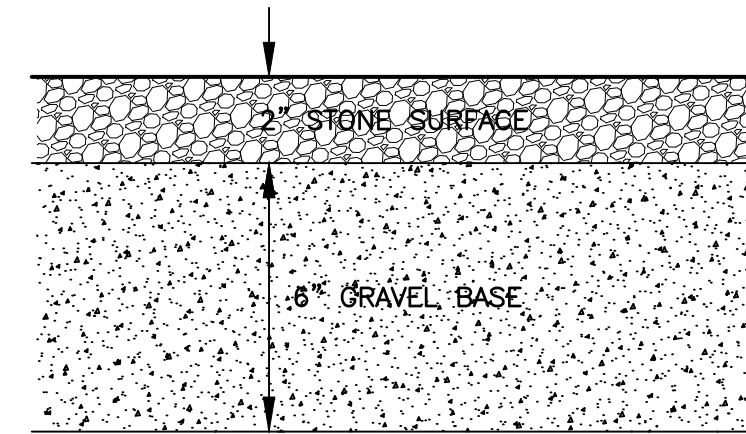


<p>GREEN SITE DESIGN LLC 317 Main Street Norwich, Connecticut (860) 892-1380 Fax (860) 886-9165</p>		<p>Project No. GSD-69</p>
<p>1 4/3/24 UNCAS HD COMMENTS</p>	<p>REVISION</p>	<p>Proj. Engineer E.M.B.</p>
<p>DANIELS & SONS CONSTRUCTION, LLC</p>		<p>Date: 11/01/23</p>
<p>1492 HARTFORD-NEW LONDON TURNPIKE CONNECTICUT ROUTE 85 MONTVILLE, CONNECTICUT</p>		<p>Sheet No. 4</p>
<p>SEPTIC PLAN</p>		

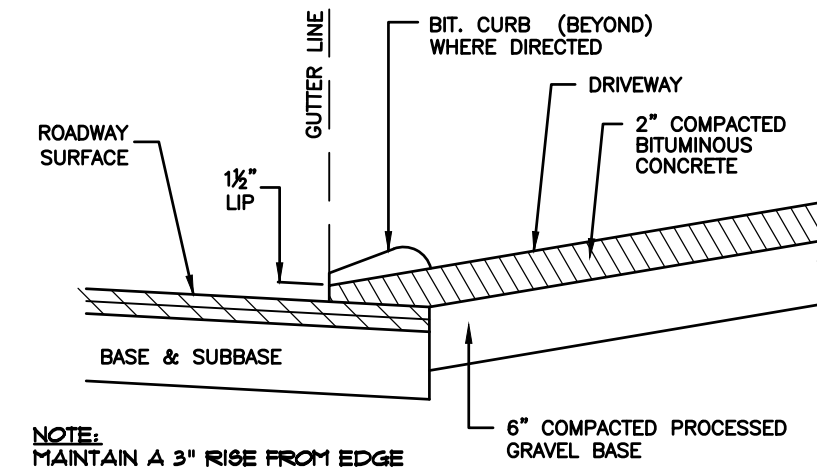




CURTAIN DRAIN DETAIL
NOT TO SCALE



GRAVEL/STONE PARKING AREA & DRIVE
NOT TO SCALE



BITUMINOUS CONCRETE DRIVES
NOT TO SCALE

EQUIPMENT TO BE USED/STORED ON SITE

- EXCAVATORS
- ROLLER
- DUMP TRUCK
- BULL DOZER
- BUCKET LOADERS
- PORTABLE ROCK CRUSHER
- SCREENER
- TRAILER TRUCKS
- CONNEX BOXES

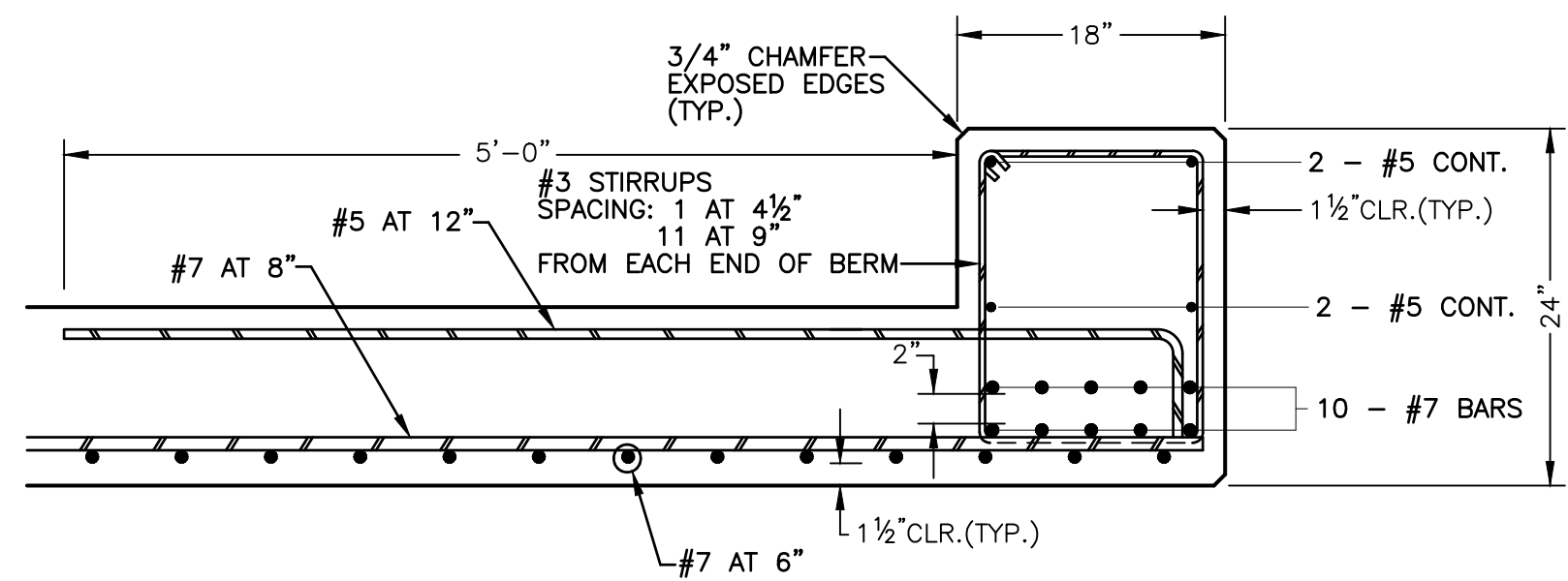
DUST SUPPRESSION

A WATER TANK TRUCK WILL BE ON SITE DURING CONSTRUCTION TO APPLY WATER DAILY FOR DUST SUPPRESSION

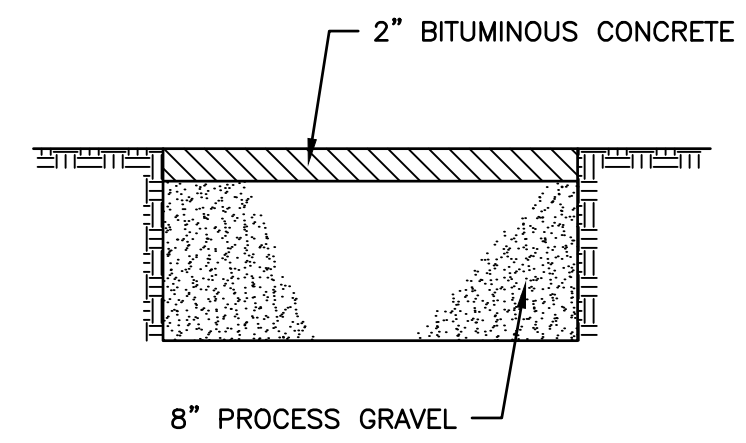
EROSION CONTROL & SEDIMENTATION NARRATIVE

1. PRIOR TO THE INSTALLATION OF ANY EROSION AND SEDIMENT CONTROL MEASURES, THE OWNER AND CONTRACTOR SHALL MEET WITH THE TOWN OF MONTVILLE WETLANDS OFFICER.
2. THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE. ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED TO BE NECESSARY BY THE WETLANDS OFFICER.
3. THE CONTRACTOR SHALL CONTACT THE WETLANDS OFFICER FOR INSPECTION OF THE SEDIMENT AND EROSION CONTROL MEASURES, PRIOR TO SITE DISTURBANCE. CONSTRUCTION SHALL NOT BEGIN UNTIL SUCH TIME AS THE WETLANDS OFFICER HAS REVIEWED AND APPROVED THE INSTALLATION OF THE SEDIMENTATION AND EROSION CONTROL MEASURES.
4. CONTRACTOR TO INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES AT LEAST WEEKLY AND AFTER EVERY STORM EVENT AND REPAIR AND MAINTAIN AS NECESSARY.
5. CLEARING AND GRUBBING OF THE AREA TO BE GRADED. TOPSOIL TO BE REMOVED AND STOCKPILED IN AN AREA AS SHOWN ON THE PLANS.
6. STAKED HAY BALE SILT BARRIERS OR SILT FENCE SHALL BE INSTALLED AROUND ANY TEMPORARY STOCKPILE AREAS.
7. SIDE SLOPES SHALL BE GRADED TO ROUGH GRADE AS SHOWN ON THE PLANS
8. TOPSOIL SHALL BE RE-APPLIED TO PROVIDE A MINIMUM DEPTH OF FOUR INCHES.
9. ALL DISTURBED AREAS SHALL BE SEEDED AND MULCHED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS RE-ESTABLISHED. APPROXIMATELY 4.08 ACRES WILL BE DISTURBED DURING DEVELOPMENT
10. SEEDING SHOULD TAKE PLACE BETWEEN APRIL 1 AND JUNE 1 OR AUGUST 15 AND OCTOBER 1.
11. THE FOLLOWING SEEDING MIXTURES SHALL BE PROVIDED ON ALL DISTURBED AREAS:

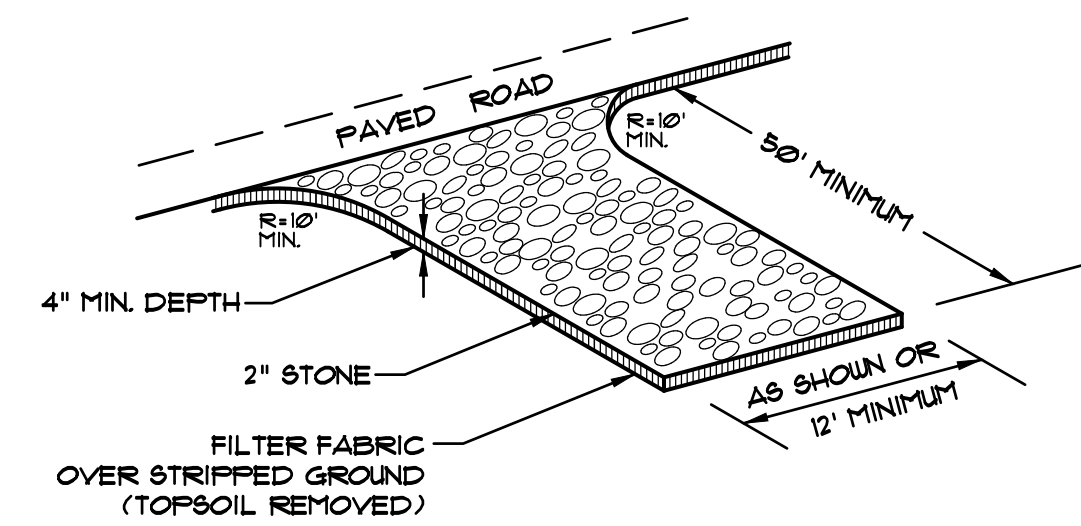
CROWN VETCH	15 LB's/AC
PERENNIAL RYEGRASS	10 LB's/AC
12. UNFORESEEN PROBLEMS WHICH ARE ENCOUNTERED IN THE FIELD SHALL BE SOLVED ACCORDING TO CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.



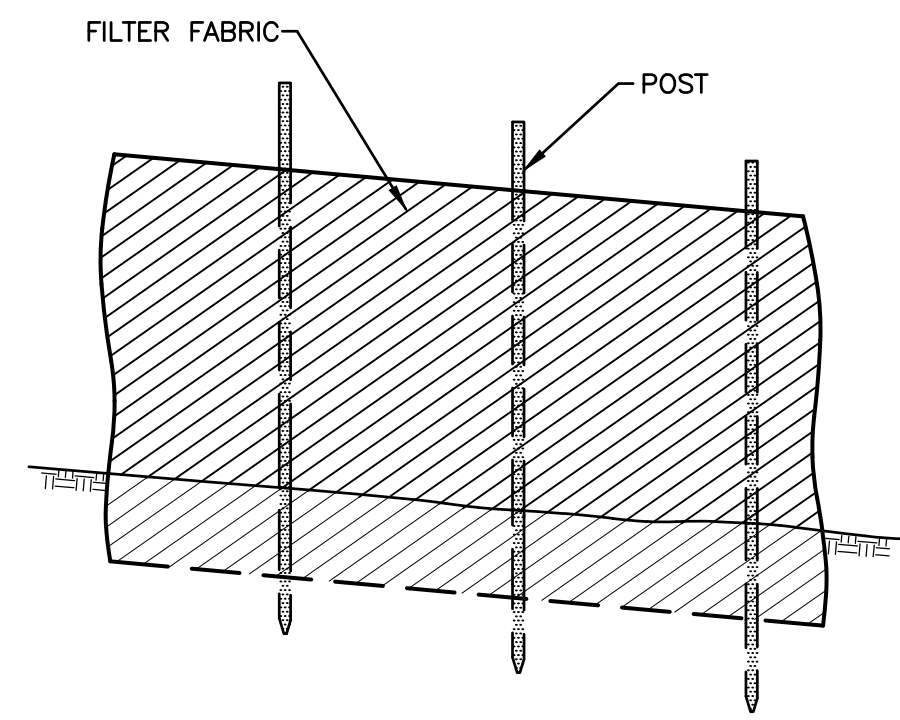
CONCRETE SLAB DETAIL
NOT TO SCALE



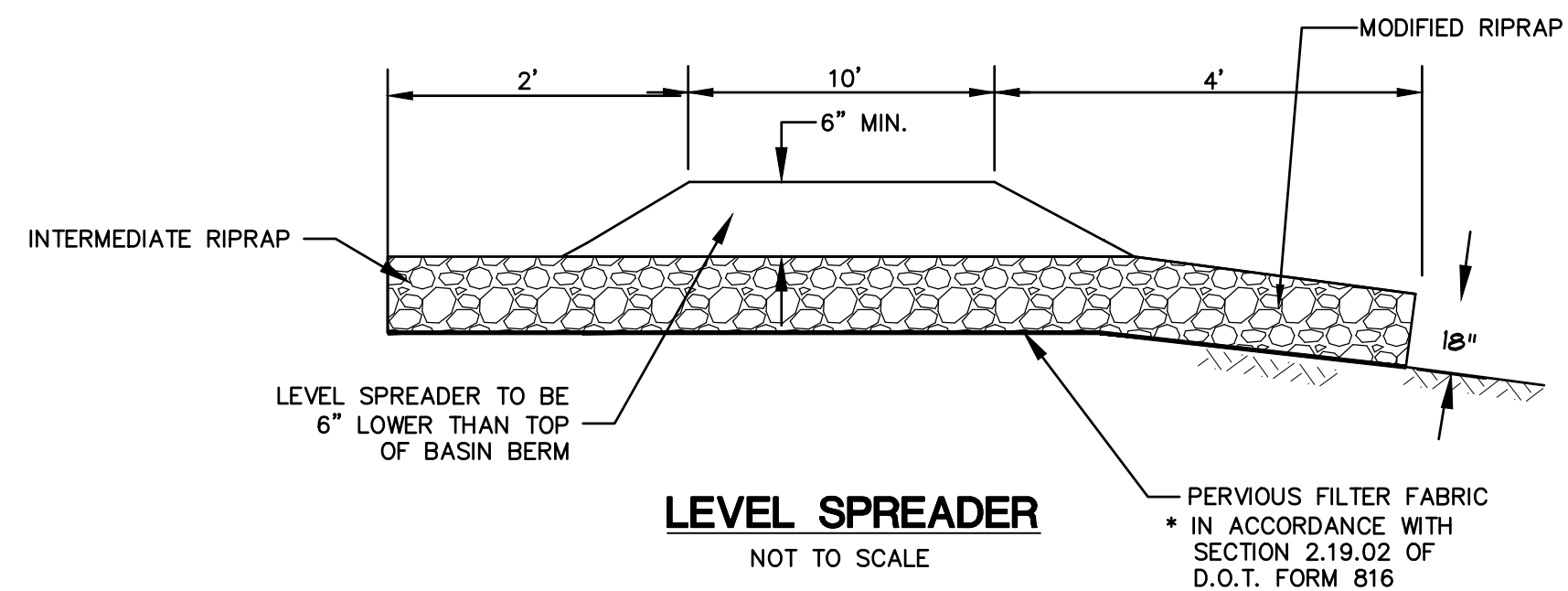
BITUMINOUS CONCRETE DRIVEWAY
NOT TO SCALE



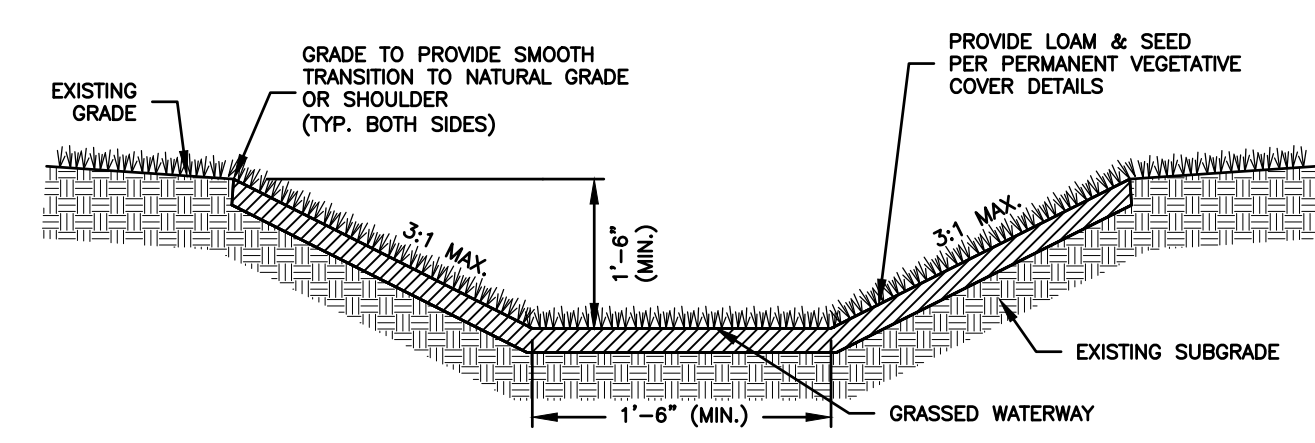
CONSTRUCTION ENTRANCE
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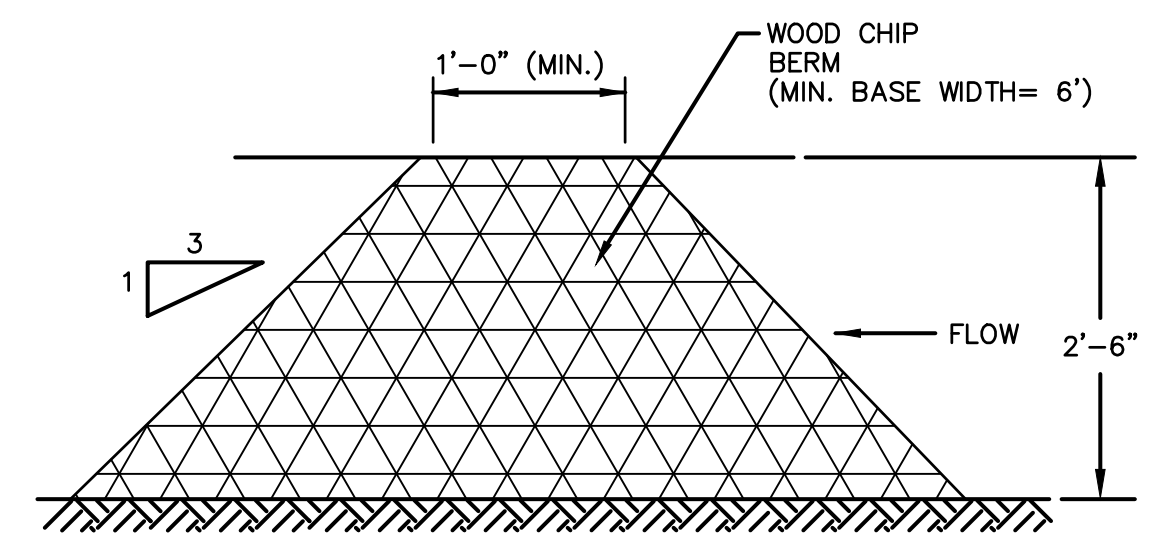
SILT FENCE DETAIL
NOT TO SCALE



LEVEL SPREADER
NOT TO SCALE



GRASS LINED DRAINAGE SWALE
NOT TO SCALE



WOOD CHIP BERM
NOT TO SCALE

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