

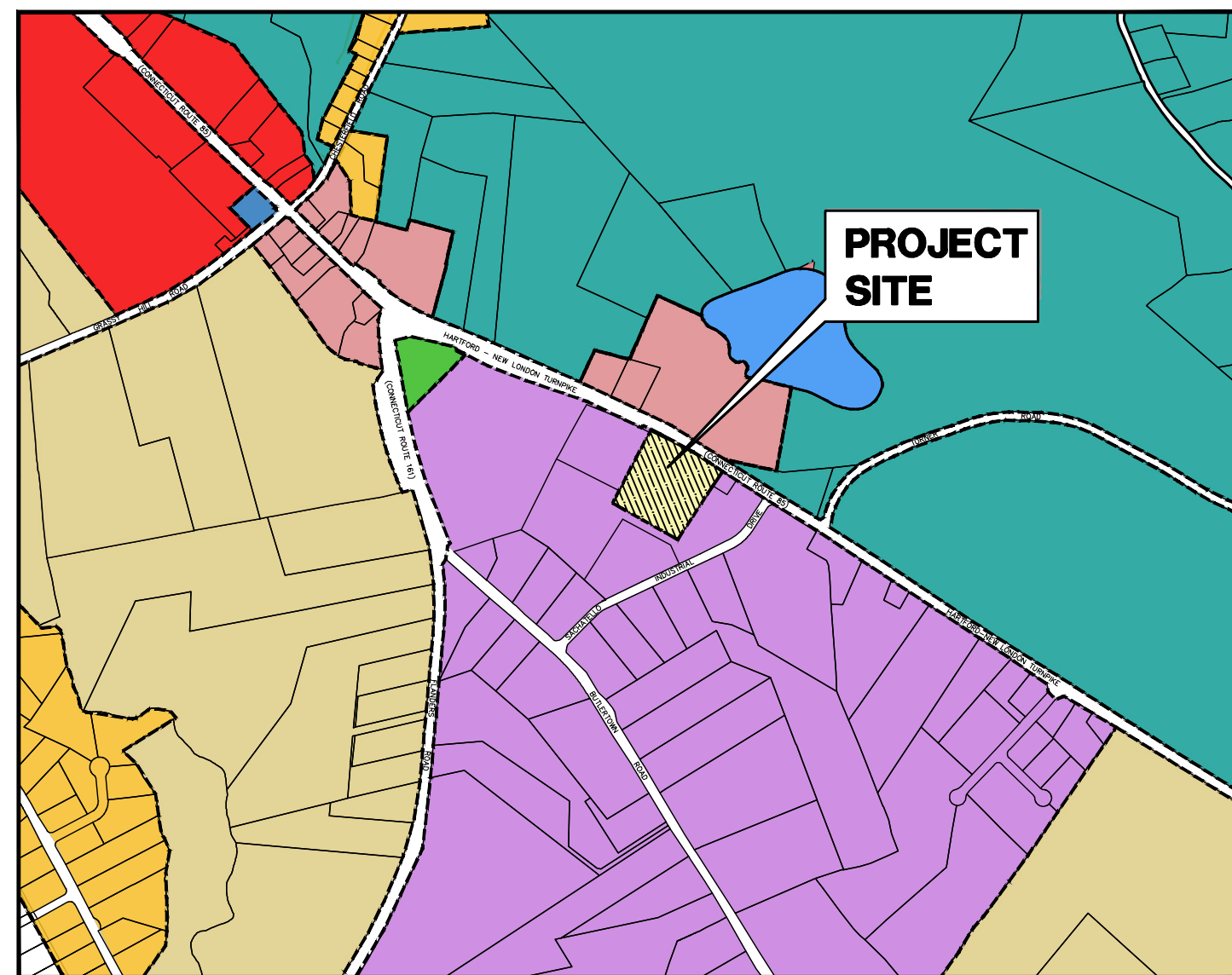
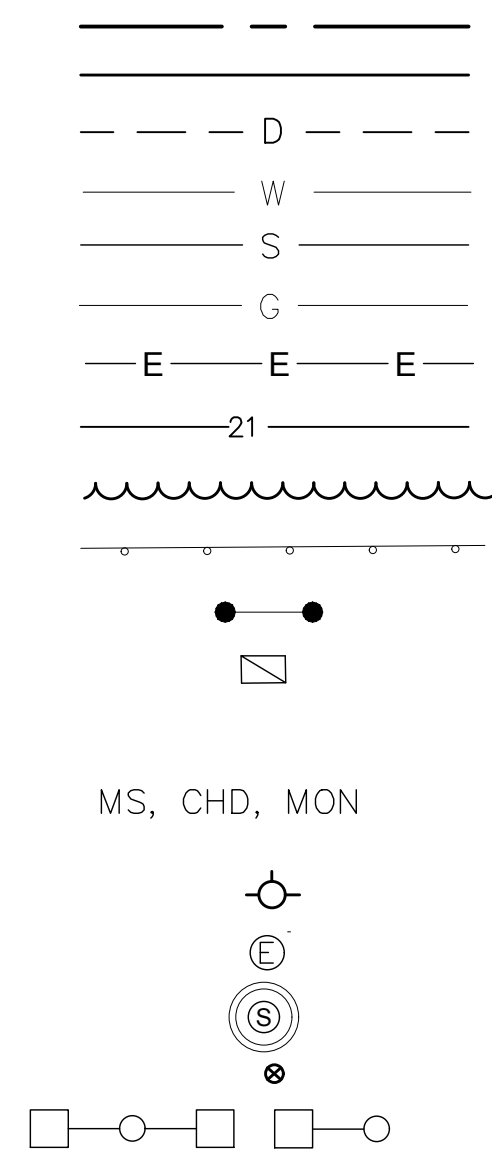
DANIELS & SONS CONSTRUCTION, LLC

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



- C1
- C2
- GOV
- L1
- R40
- R80
- OS
- WRP-160

INDEX TO DRAWINGS

DRAWING NO.	DESCRIPTION OF DRAWINGS
1	LOT 13, 14, 15 & 18 RECONFIGURATION
2	EROSION & SEDIMENTATION CONTROL PLAN
3	SITE & GRADING PLAN
3A	PHASE I PLAN
3B	PHASE II PLAN
4	SEPTIC PLAN
5	DETAILS

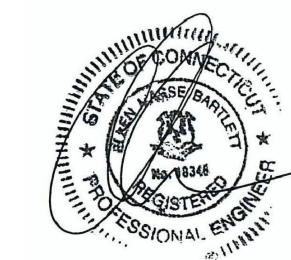
JUNE 17, 2024
JUNE 13, 2024
JUNE 10, 2024
MAY 24, 2024
APRIL 26, 2024
APRIL 12, 2024
APRIL 2024

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

PROPERTY ADDRESS:
1492 HARTFORD-NEW LONDON TURNPIKE
PARCEL ID: 005-027-000

**GREEN SITE
DESIGN
LLC**

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

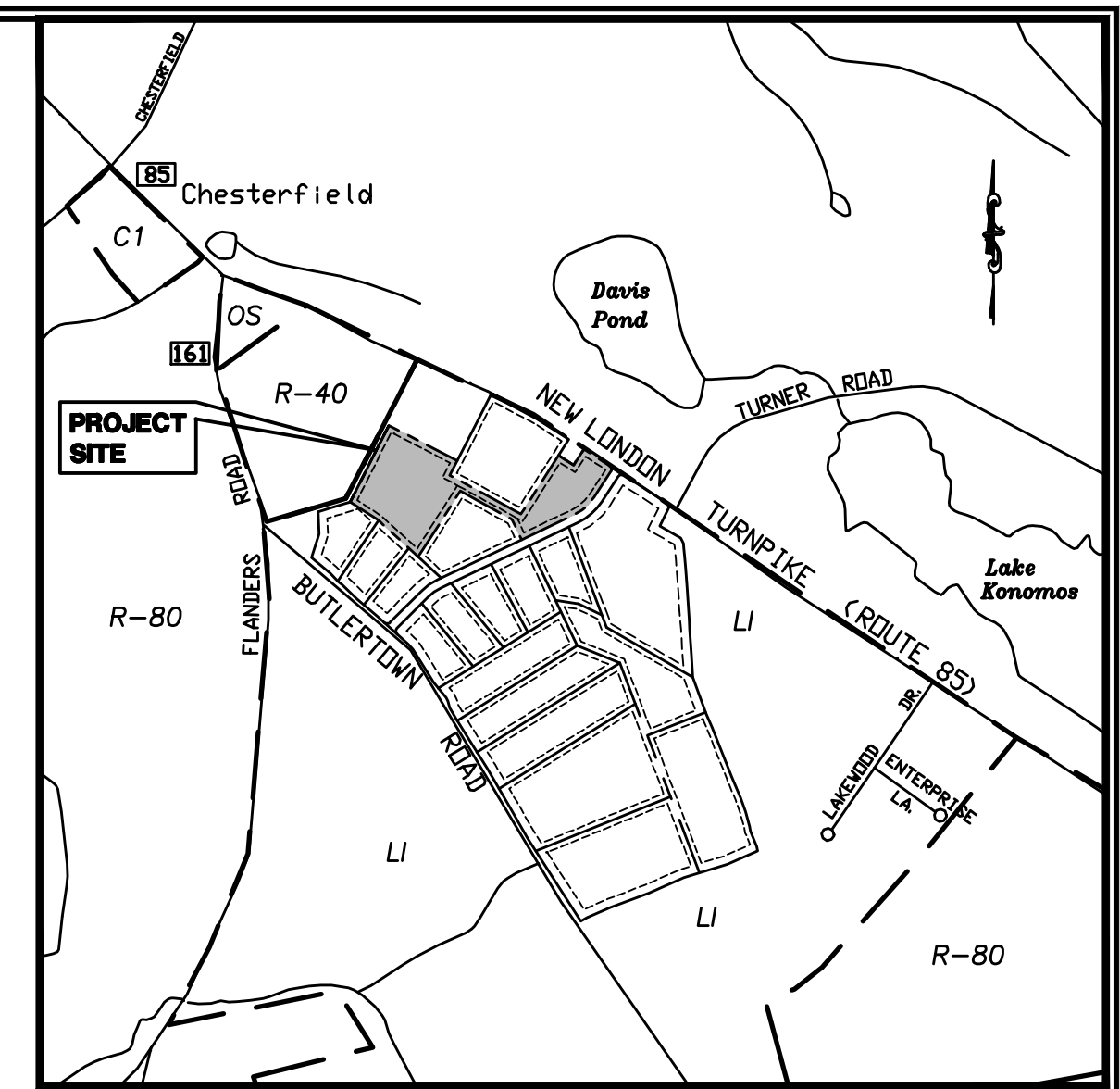
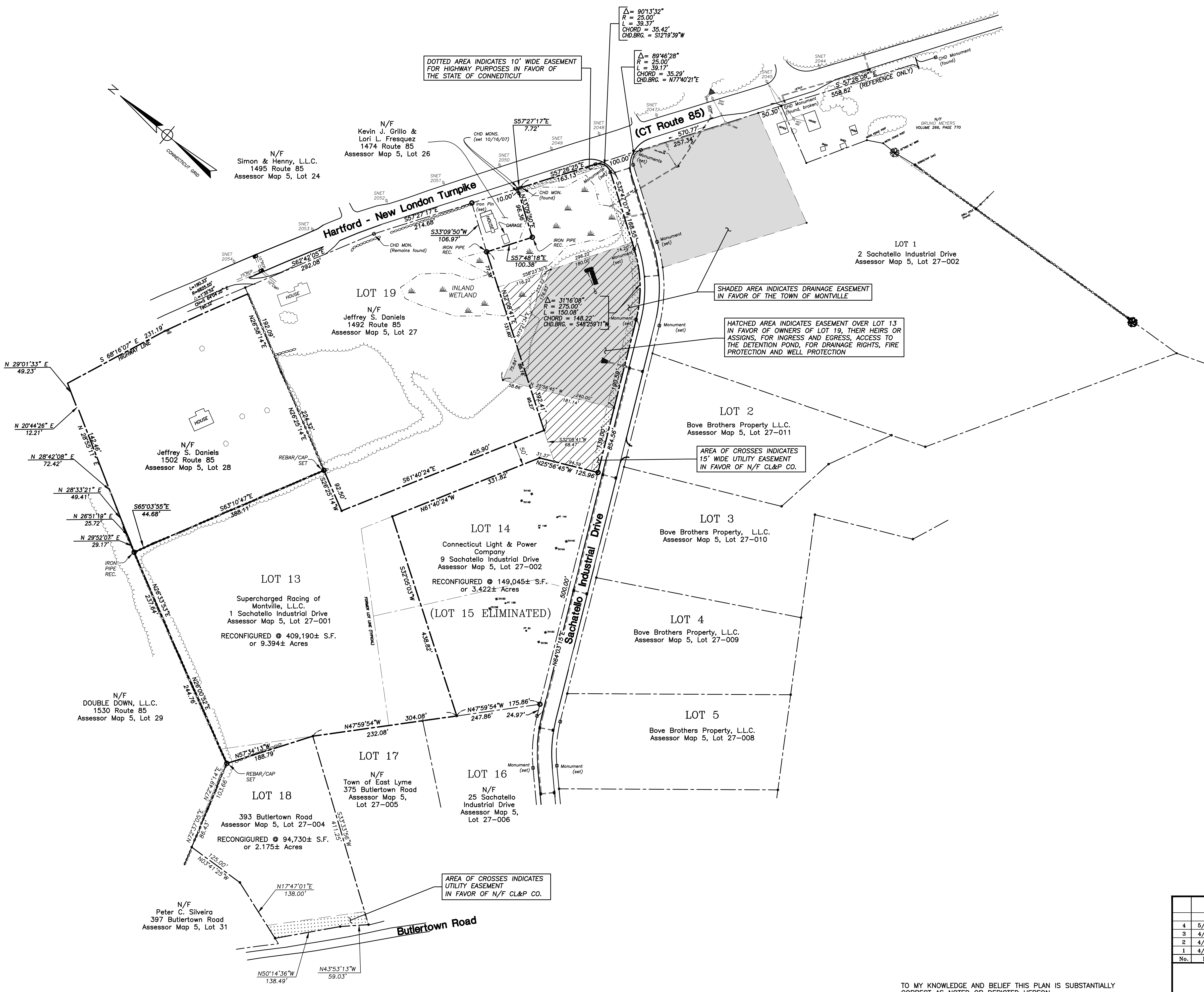
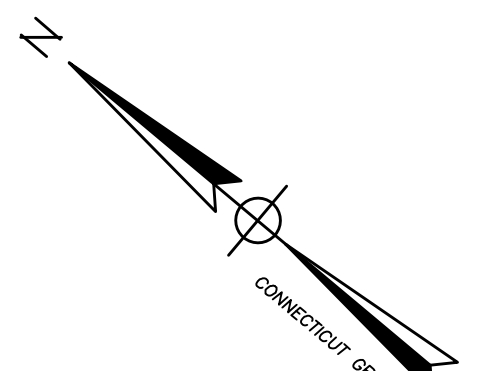


APPROVED BY THE PLANNING & ZONING COMMISSION ON _____

CHAIRMAN OR SECRETARY OF THE COMMISSION _____ DATE _____

EXPIRATION DATE: _____

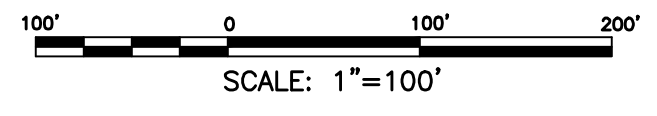
EROSION & SEDIMENT CONTROL PLAN CERTIFIED BY THE AFFIRMATIVE VOTE OF THE COMMISSION.



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. TOPOGRAPHIC ACCURACY: CLASS T-2
- 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



REVISION		GREEN SITE DESIGN - LLC	
No.	DATE	REVISION	317 Main Street Norwich, Connecticut (860) 892-1380 Fax (860) 888-9165
4	5/24/24	Property Owner	Project No. GSD-31 Proj. Engineer E.M.B. Date: MARCH 2016 Sheet No. 1
3	4/26/16	Review Comments	
2	4/26/16	Abutters Revised	
1	4/26/16	Monuments & Easements	

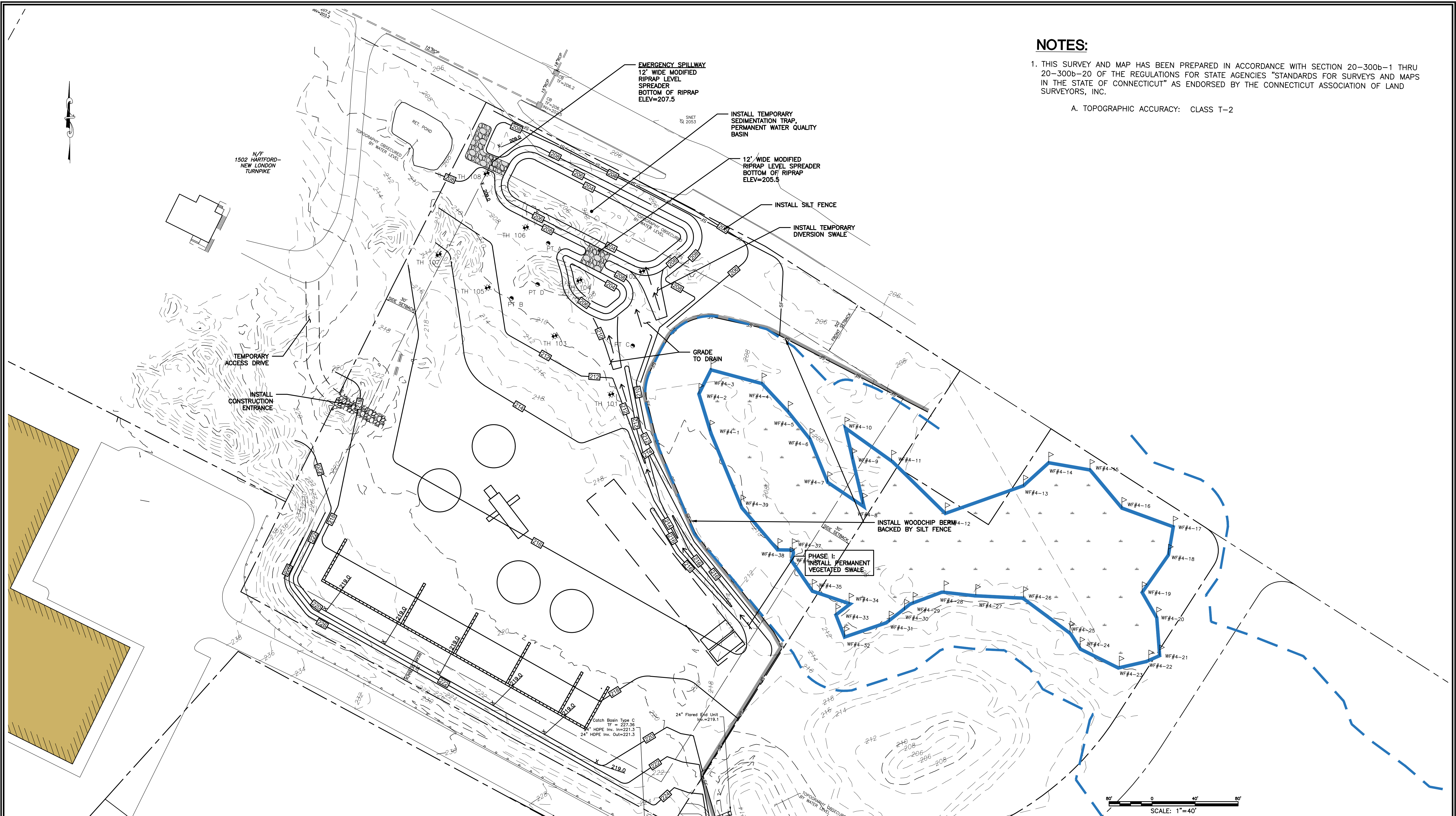
TO MY KNOWLEDGE AND BELIEF THIS PLAN IS SUBSTANTIALLY CORRECT AS NOTED OR DEPICTED HEREON.

RYAN J. CHEVERIE, L.L.S. #70454 _____ DATE _____

NOTES:

1. 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. TOPOGRAPHIC ACCURACY: CLASS T-2



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

RYAN J. CHEVERIE, L.L.S. #70454

I HAVE REVIEWED THE WETLANDS ON THE PROPERTY IN THE FIELD AND HAVE REVIEWED THE WETLANDS AS SHOWN ON THE PLAN AND FIND THAT THEY SUBSTANTIALLY REPRESENT THE WETLANDS AS DELINEATED IN THE FIELD.

ROBERT C. RUSSO
CERTIFIED SOIL SCIENTIST
DATE

SCALE: 1"=40'

No.	DATE	REVISION
5	6/10/24	REVIEW COMMENTS
4	5/15/24	REVIEW COMMENTS
3	4/26/24	REVIEW COMMENTS
2	4/12/24	UPDATED SIGHT LINES
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. 2

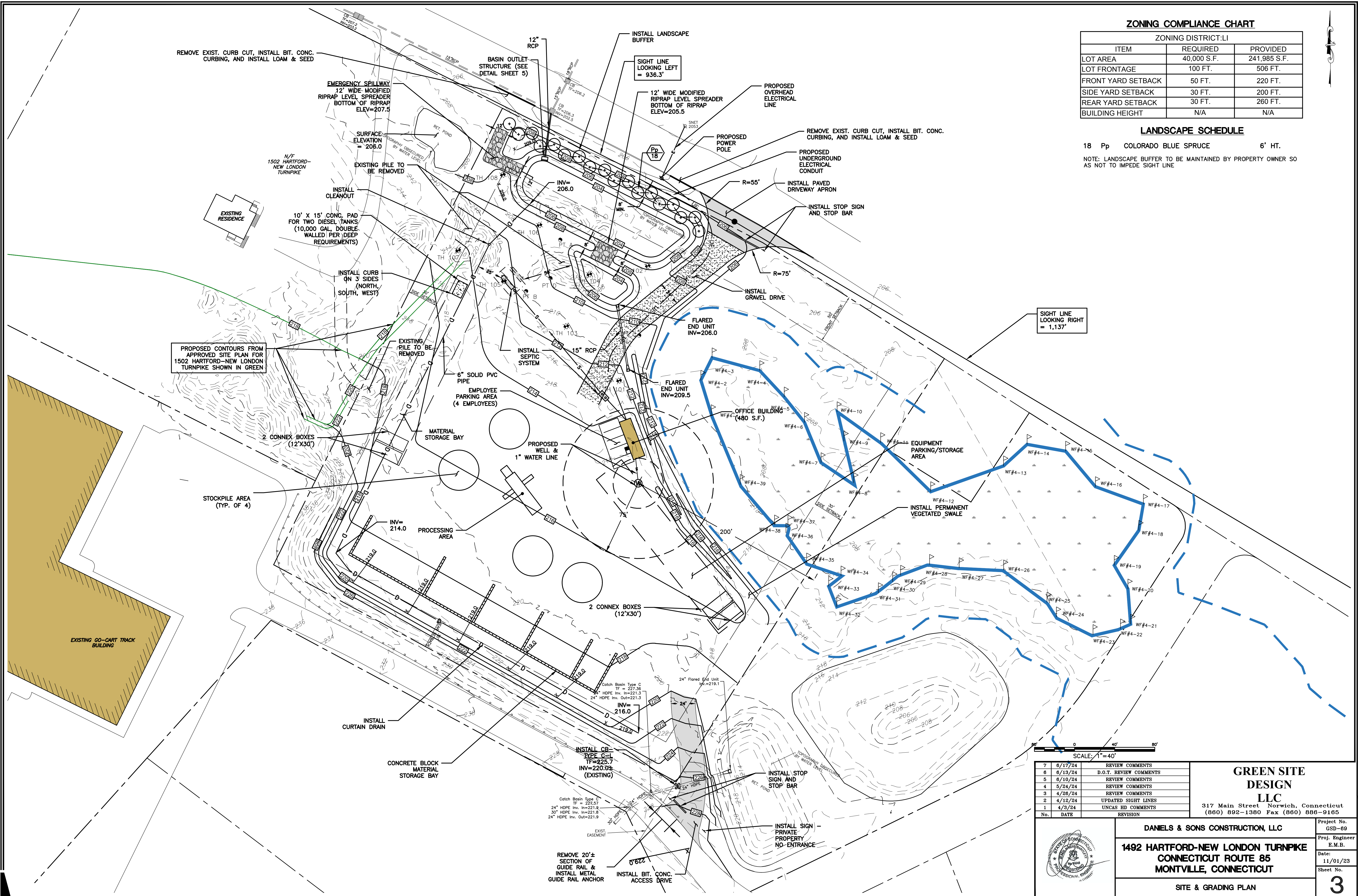
EROSION & SEDIMENT CONTROL PLAN

ZONING COMPLIANCE CHART

ZONING DISTRICT: LI		
ITEM	REQUIRED	PROVIDED
LOT AREA	40,000 S.F.	241,985 S.F.
LOT FRONTAGE	100 FT.	506 FT.
FRONT YARD SETBACK	50 FT.	220 FT.
SIDE YARD SETBACK	30 FT.	200 FT.
REAR YARD SETBACK	30 FT.	260 FT.
BUILDING HEIGHT	N/A	N/A

LANDSCAPE SCHEDULE

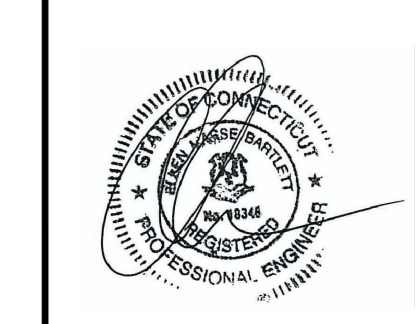
18 Pp COLORADO BLUE SPRUCE 6' HT.
 NOTE: LANDSCAPE BUFFER TO BE MAINTAINED BY PROPERTY OWNER SO AS NOT TO IMPEDE SIGHT LINE



SCALE: 1" = 40'

No.	DATE	REVISION
7	6/17/24	REVIEW COMMENTS
6	6/13/24	D.O.T. REVIEW COMMENTS
5	6/10/24	REVIEW COMMENTS
4	5/24/24	REVIEW COMMENTS
3	4/26/24	REVIEW COMMENTS
2	4/12/24	UPDATED SIGHT LINES
1	4/3/24	UNCAS HD COMMENTS

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

SITE & GRADING PLAN

Project No. GSD-69
 Proj. Engineer E.M.B.
 Date: 11/01/23
 Sheet No. **3**

PHASE 1: REMOVE EXIST. CURB CUT, INSTALL BIT. CONC. CURBING, AND INSTALL LOAM & SEED

PHASE 1: BASIN OUTLET STRUCTURE (SEE DETAIL SHEET 5)

PHASE 1: INSTALL LANDSCAPE BUFFER

PHASE 1: REMOVE EXIST. CURB CUT, INSTALL BIT. CONC. CURBING, AND INSTALL LOAM & SEED

EMERGENCY SPILLWAY
12' WIDE MODIFIED RIPRAP LEVEL SPREADER
BOTTOM OF RIPRAP ELEV=207.5
SURFACE ELEVATION = 206.0

12' WIDE MODIFIED RIPRAP LEVEL SPREADER
BOTTOM OF RIPRAP ELEV=205.5

PROPOSED CONTOURS FROM APPROVED SITE PLAN FOR 1502 HARTFORD-NEW LONDON TURNPIKE SHOWN IN GREEN

PHASE 1: PROPOSED FOREBAY

CONTINUE VEGETATED SWALE TO FOREBAY UNTIL PHASE II

PHASE 1: EQUIPMENT PARKING/STORAGE AREA

PHASE 1: INSTALL PERMANENT VEGETATED SWALE

PHASE 1: STOCKPILE AREA (TYP. OF 4)

PHASE 1: PROCESSING AREA

2 CONNEX BOXES (12'X30')

PHASE 1: INSTALL CURTAIN DRAIN

PHASE 1: CONCRETE BLOCK MATERIAL STORAGE BAY

INSTALL CB - TYPE C-1
TF=225.7
INV=220.0± (EXISTING)

INSTALL STOP SIGN AND STOP BAR

INSTALL SIGN - PRIVATE PROPERTY NO-ENTRANCE

REMOVE 20'± SECTION OF GUIDE RAIL & INSTALL METAL GUIDE RAIL ANCHOR

PHASE 1: INSTALL BIT. CONC. ACCESS DRIVE

EXISTING GO-CART TRACK BUILDING

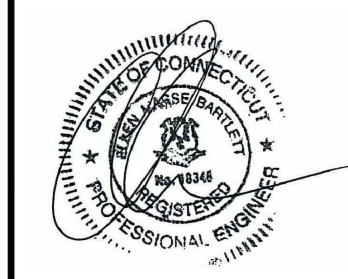
EXISTING RESIDENCE

N/F 1502 HARTFORD-NEW LONDON TURNPIKE

SCALE: 1"=40'

No.	DATE	REVISION
7	6/17/24	REVIEW COMMENTS
6	6/13/24	D.O.T. REVIEW COMMENTS
5	6/10/24	REVIEW COMMENTS
4	5/24/24	REVIEW COMMENTS
3	4/26/24	REVIEW COMMENTS
2	4/12/24	UPDATED SIGHT LINES
1	4/3/24	UNCAS HD COMMENTS

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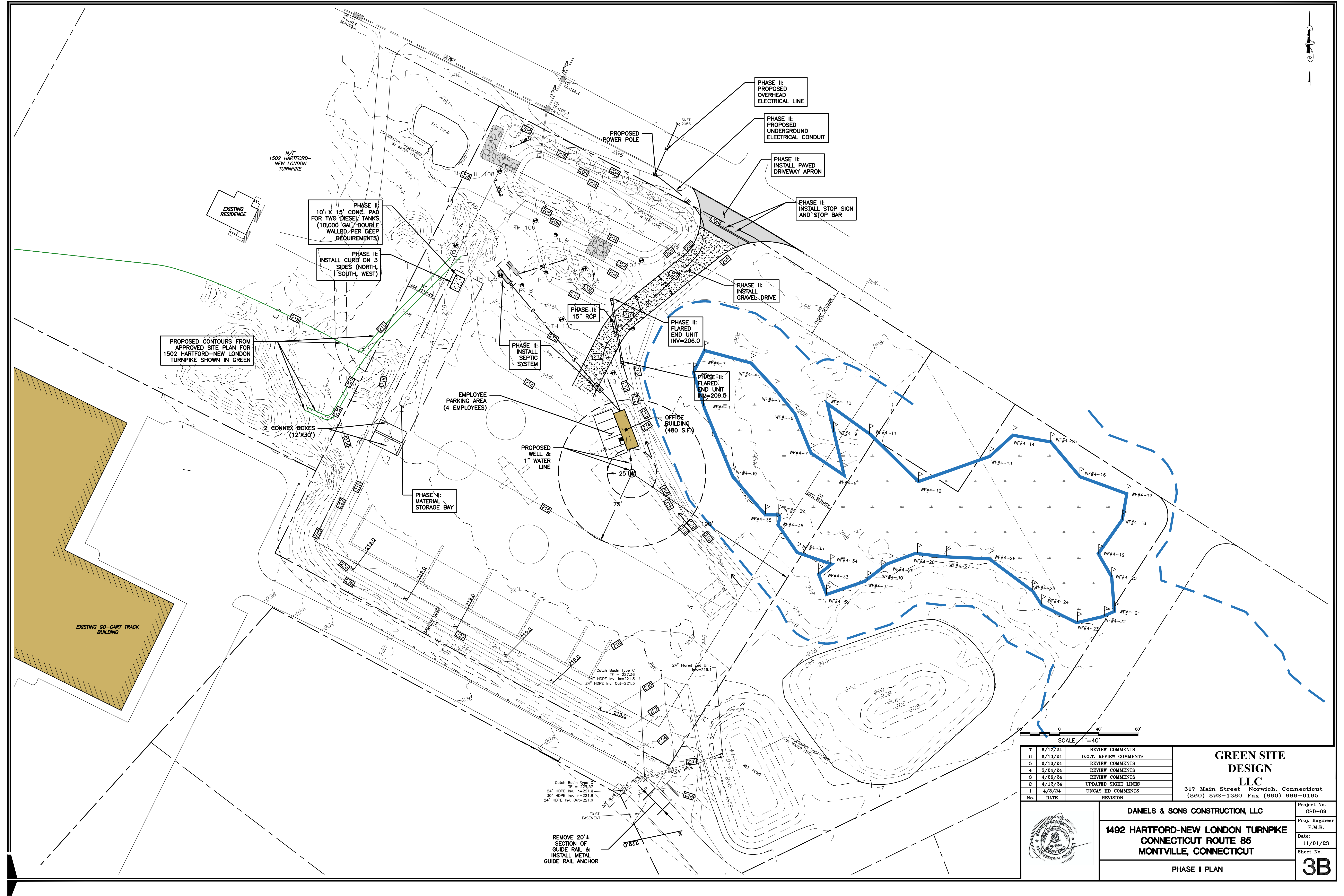


DANIELS & SONS CONSTRUCTION, LLC
1492 HARTFORD-NEW LONDON TURNPIKE
CONNECTICUT ROUTE 85
MONTVILLE, CONNECTICUT

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

PHASE I PLAN

3A



PROPOSED CONTOURS FROM APPROVED SITE PLAN FOR 1502 HARTFORD-NEW LONDON TURNPIKE SHOWN IN GREEN

PHASE II:
10' X 15' CONC. PAD FOR TWO DIESEL TANKS (10,000 GAL. DOUBLE WALLED PER DEEP REQUIREMENTS)

PHASE II:
INSTALL CURB ON 3 SIDES (NORTH, SOUTH, WEST)

PHASE II:
INSTALL SEPTIC SYSTEM

PHASE II:
15' RCP

PHASE II:
FLARED END UNIT INV=206.0

PHASE II:
FLARED END UNIT INV=209.5

PHASE II:
PROPOSED OVERHEAD ELECTRICAL LINE

PHASE II:
PROPOSED UNDERGROUND ELECTRICAL CONDUIT

PHASE II:
INSTALL PAVED DRIVEWAY APRON

PHASE II:
INSTALL STOP SIGN AND STOP BAR

PHASE II:
INSTALL GRAVEL DRIVE

EMPLOYEE PARKING AREA (4 EMPLOYEES)

OFFICE BUILDING (480 S.F.)

PROPOSED WELL & 1" WATER LINE

PHASE II:
MATERIAL STORAGE BAY

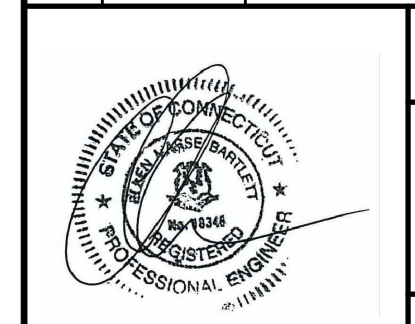
2 CONNEX BOXES (12'X30')

EXISTING GO-CART TRACK BUILDING

SCALE: 1" = 40'

No.	DATE	REVISION
7	6/17/24	REVIEW COMMENTS
6	6/13/24	D.O.T. REVIEW COMMENTS
5	6/10/24	REVIEW COMMENTS
4	5/24/24	REVIEW COMMENTS
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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.

PHASE II PLAN

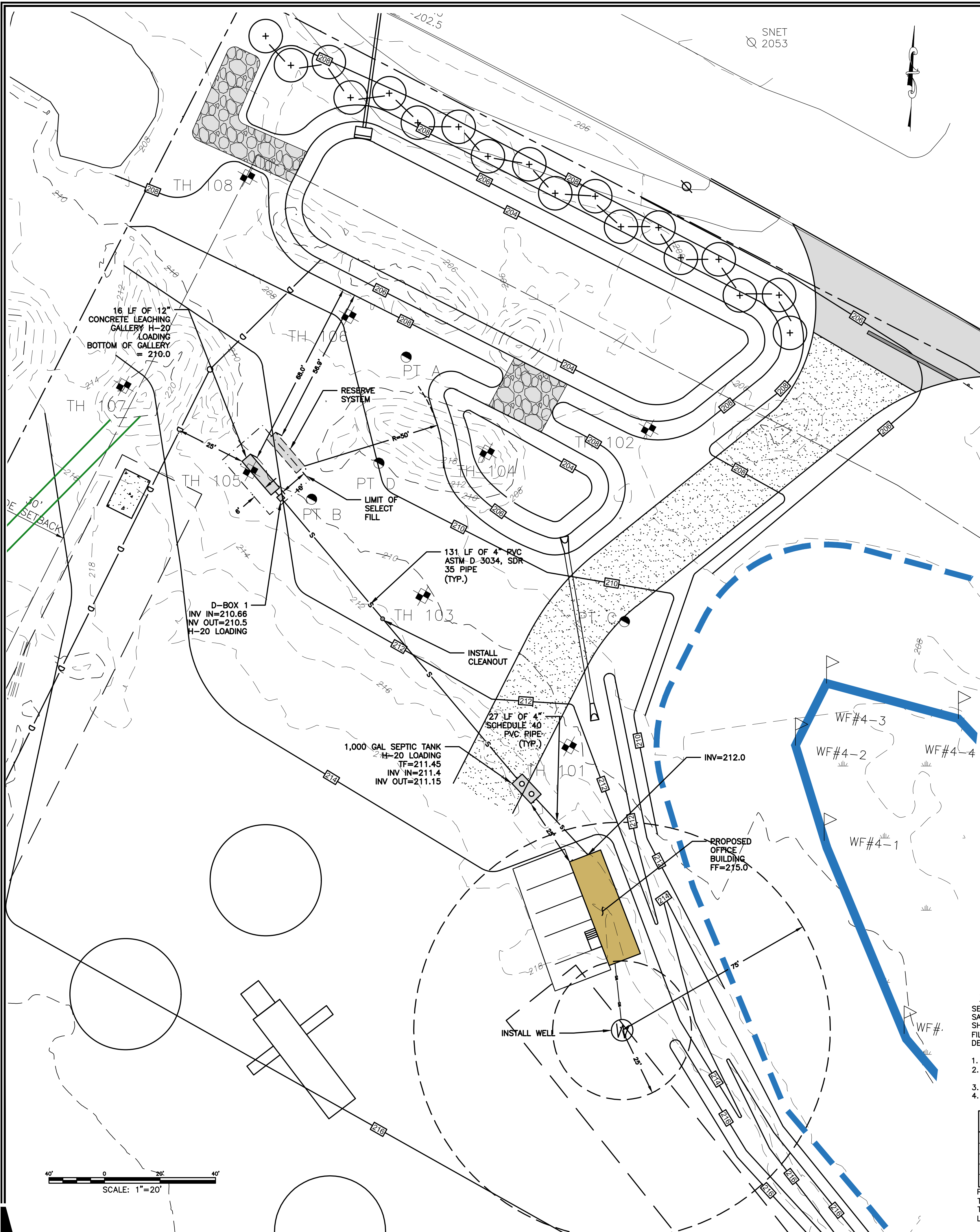
3B

REMOVE 20'± SECTION OF GUIDE RAIL & INSTALL METAL GUIDE RAIL ANCHOR

Catch Basin Type C
TF = 227.36
24" HDPE Inv. In=221.3
30" HDPE Inv. In=221.9
24" HDPE Inv. Out=221.3

24" Flared End Unit
Inv.=219.1

EXIST. EASEMENT



PERC TEST DATA

PERC A:
TOTAL DEPTH - 12"
PRESOAK AT 12:13

1:03 - 3"
1:08 - 3 1/2"
1:13 - 3 3/4"
1:18 - 4"
1:23 - 4 1/4"
1:28 - 4 1/2"
1:33 - 5"
1:38 - 5 1/4"
1:43 - 5 1/2"

PERC RATE = 15 MIN/IN

PERC TEST DATA

PERC B:
TOTAL DEPTH - 12"
PRESOAK AT 12:15

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

PERC RATE = 2 MIN/IN

PERC TEST DATA

PERC C:
TOTAL DEPTH - 19"
PRESOAK AT 10:30

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"

PERC RATE = 10 MIN/IN

PERC TEST DATA

PERC D:
TOTAL DEPTH - 22"
PRESOAK AT 11:00

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 1/4"

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 fine 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

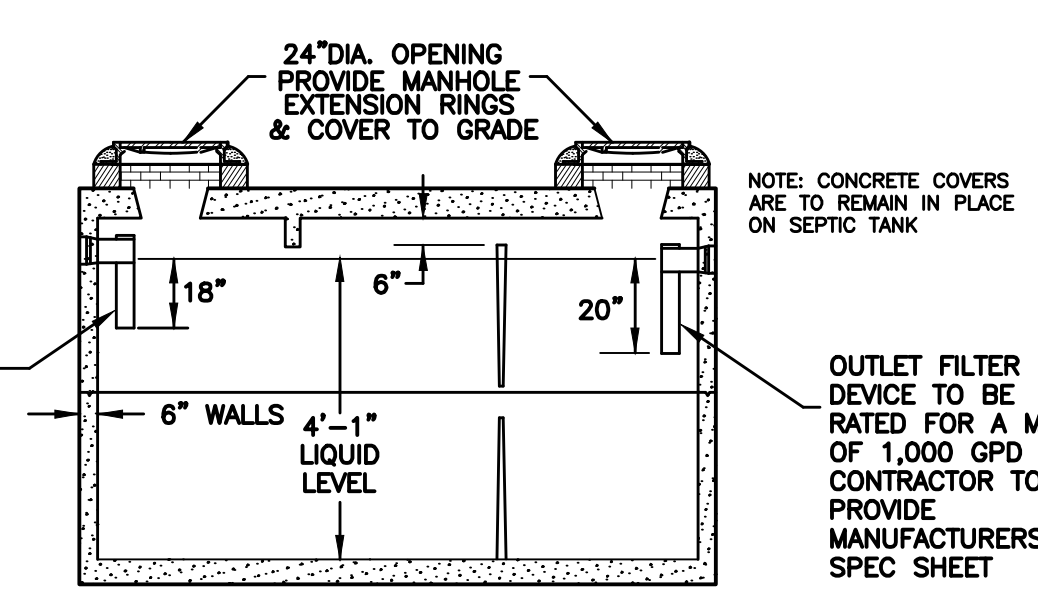
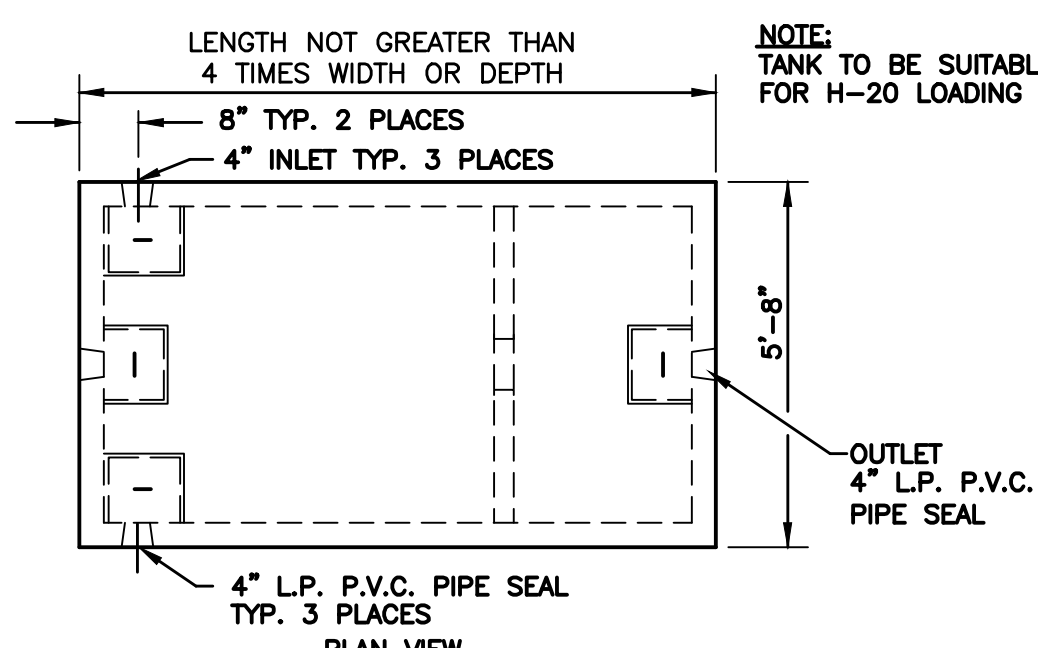
TH #104 (ORIGINAL ELEV: 210.0)
72" TOTAL DEPTH
0-13" Topsoil very dark brown fine sandy loam.
13-19" Subsoil yellow brown fine sandy loam-silty
19-42" Subsoil strong brown fine sand loam, silty w/gray & orange mottles & cobbles
42-72" Subsoil brown silty sand & gravel w/stones
NO BEDROCK
WATER 61"
MOTTLING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

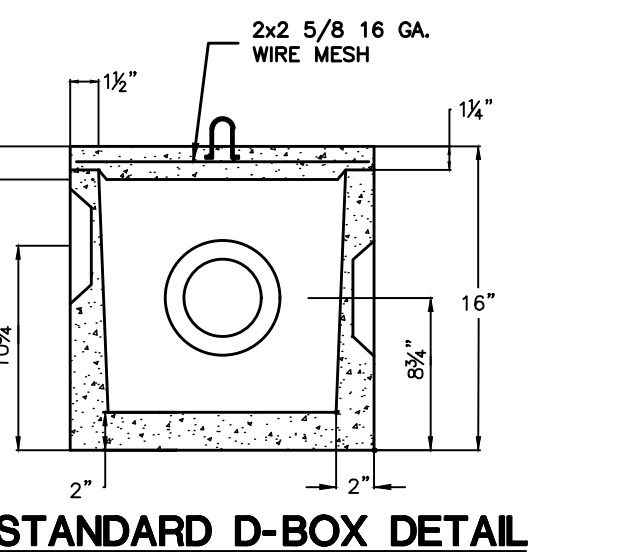
SEPTIC SYSTEM SIZING:
(NONRESIDENTIAL BUILDING WITH NON-PROBLEMATIC SEWAGE)
PERCOLATION RATE LESS THAN 10.1
APPLICATION RATE = 1.5 GPD / ELA
LEACHING AREA REQUIRED: 60 GPD / 1.5 GPD/ELA = 40 SF
USE 12"x48" CONCRETE LEACHING GALLERIES
ELA OF TRENCH = 5.9 SF/LF
LENGTH OF LEACHING TRENCH REQUIRED:
40 SF / 5.9 SF/LF = 6.76 LF

MASS 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

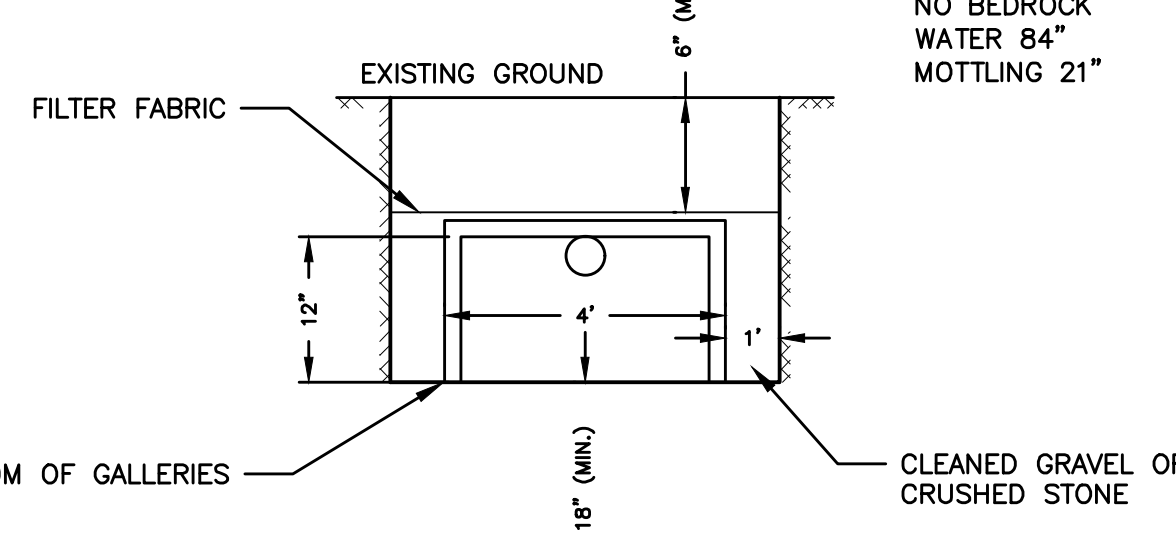
PROPOSED SYSTEM
USE 1 ROW OF 16 LF 12"x48" CONCRETE LEACHING GALLERIES
LEACHING AREA PROVIDED = 24.4 SF

RESERVE LEACHING AREA
USE SAME AS PRIMARY SYSTEM

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



STANDARD D-BOX DETAIL
NOT TO SCALE



GALLERY DETAIL
NOT TO SCALE

GENERAL NOTES

1. TOPOGRAPHIC INFORMATION ON THIS PLAN PROVIDED BY CLA ENGINEERS INC.
2. PROPOSED BUILDING AND SEPTIC SYSTEM TO BE STAKED IN THE FIELD BY A LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT.
3. 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.
4. SEWER LINE FROM FOUNDATION WALL TO SEPTIC TANK SHALL BE 4" SCHEDULE 40 PVC - ASTM D 1785 AND JOINTS PER HEALTH DEPT. CODE.
5. GALLERIES SHALL BE SET LEVEL FOR ENTIRE LENGTH AND HAVE A CENTER TO CENTER SPACING OF 12 FEET.
6. PIPE FROM SEPTIC TANK TO DISTRIBUTION LINES SHALL BE 4" SOLID PVC CONFORMING TO ASTM D-3034 AND SDR-35.
7. ALL EXISTING UTILITIES TO BE ACCURATELY LOCATED PRIOR TO CONSTRUCTION.
8. THERE ARE PRESENTLY NO KNOWN WATER WELLS WITHIN 75' OF THE PROPOSED SEPTIC SYSTEM.
9. A VERTICAL BENCHMARK SHALL BE PROVIDED WITHIN 50 FEET OF THE PROPOSED BUILDING LOCATION PRIOR TO THE START OF CONSTRUCTION.
10. CLEAR AND GRUB THE AREA WHERE THE SEPTIC SYSTEM AND BUILDING ARE TO BE CONSTRUCTED.
11. ALL FILL MATERIAL SHALL CONFORM TO HEALTH CODE AND BE CLEAN EARTH FREE OF STUMPS, ORGANICS, CONSTRUCTION DEBRIS AND TOPSOIL.
12. TOPSOIL SHALL BE RE-APPLIED OVER ALL FILL AREAS AND ALL DISTURBED AREAS TO PROVIDE A MINIMUM DEPTH OF FOUR INCHES.
13. AFTER THE FILL IS PLACED AND COMPACTED, AN ADDITIONAL PERC TEST MUST BE DONE IN ORDER TO CONFIRM THAT THE FILL DRAINS PROPERLY.
14. 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.

1. THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THEN THREE (3) INCH SIEVE.
2. 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.
3. THE MATERIAL THAT PASSES THE #4 SIEVE IS THEN REWEIGHED AND THE SIEVE ANALYSIS STARTED.
4. 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

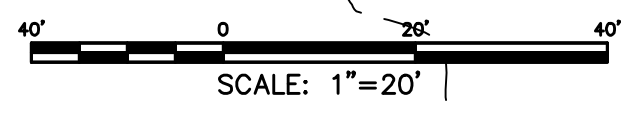
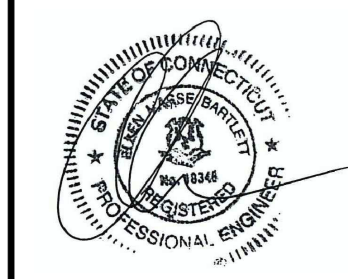
PERCENT PASSING THE #40 SIEVE CAN BE INCREASED TO NO GREATER THEN 75% IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10% AND THE #200 SIEVE DOES NOT EXCEED 5%. THE SELECT FILL MUST BE TESTED AFTER PLACEMENT AND MUST HAVE A PERCOLATION RATE AT LEAST AS FAST AS THE DESIGN RATE OF LESS THAN 10 MIN/INCH

No.	DATE	REVISION
8	6/17/24	REVIEW COMMENTS
7	6/13/24	D.O.T. REVIEW COMMENTS
6	6/10/24	REVIEW COMMENTS
5	5/24/24	REVIEW COMMENTS
4	5/15/24	REVIEW COMMENTS
3	4/26/24	REVIEW COMMENTS
2	4/12/24	UPDATED SIGHT LINES
1	4/3/24	UNCAS HD COMMENTS

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

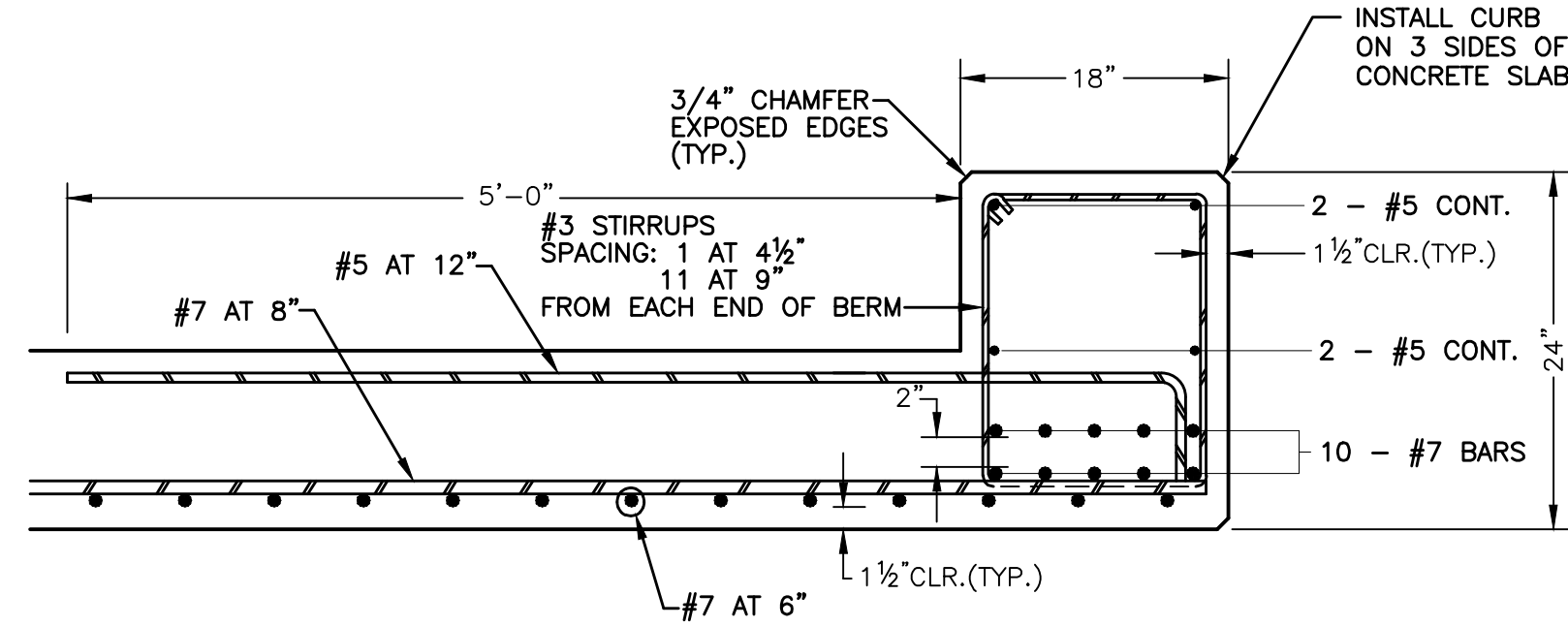
DANIELS & SONS CONSTRUCTION, LLC
1492 HARTFORD-NEW LONDON TURNPIKE
CONNECTICUT ROUTE 85
MONTVILLE, CONNECTICUT

Project No. GSD-69
Proj. Engineer E.M.B.
Date: 11/01/23
Sheet No. 4

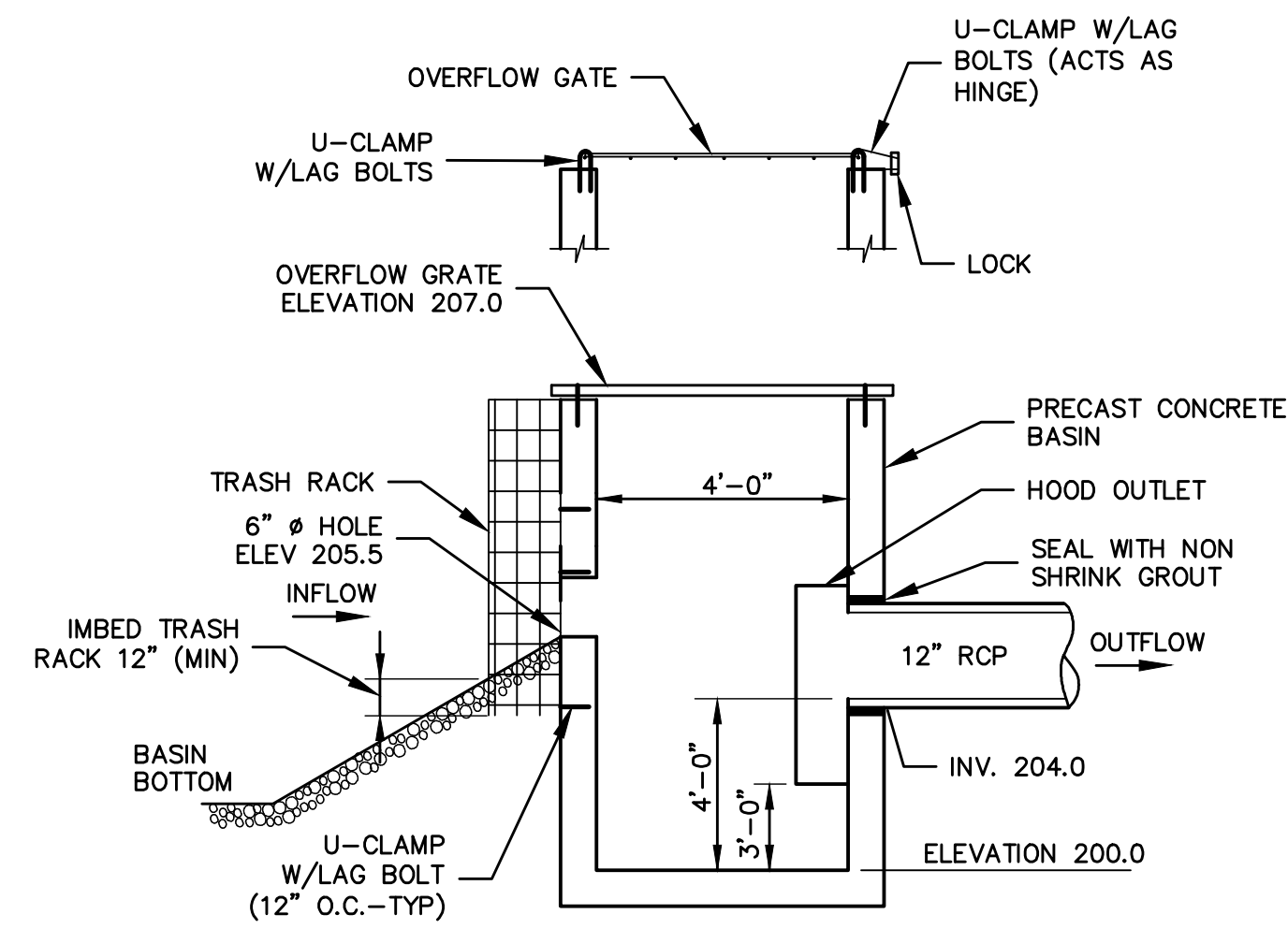


EROSION CONTROL & SEDIMENTATION NARRATIVE

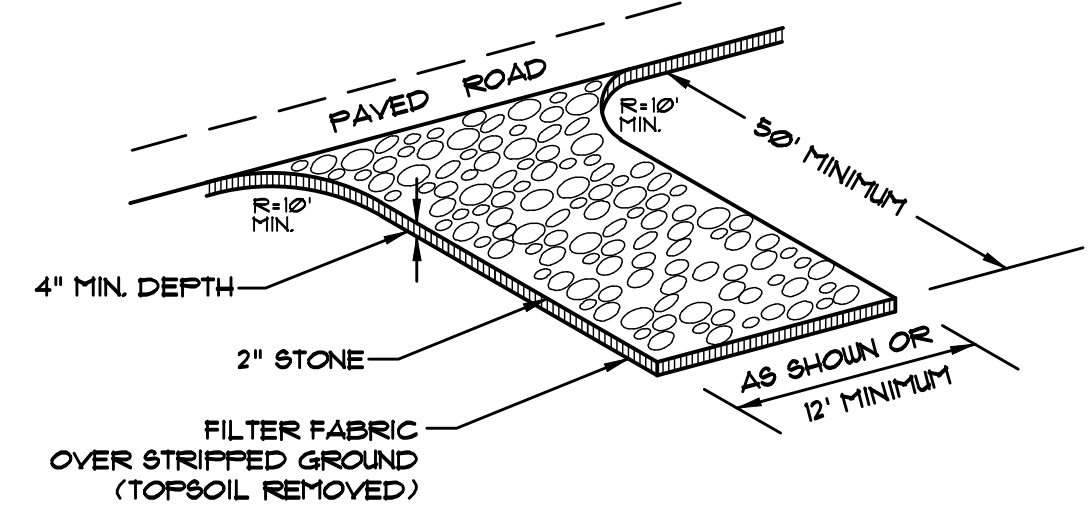
- PRIOR TO THE INSTALLATION OF ANY EROSION AND SEDIMENT CONTROL MEASURES, THE OWNER AND CONTRACTOR SHALL MEET WITH THE TOWN OF MONTVILLE ZONING & WETLANDS OFFICER.
- THE EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE. ADDITIONAL EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF DETERMINED TO BE NECESSARY BY THE ZONING & WETLANDS OFFICER.
- THE CONTRACTOR SHALL CONTACT THE ZONING & WETLANDS OFFICER FOR INSPECTION OF THE SEDIMENT AND EROSION CONTROL MEASURES, PRIOR TO SITE DISTURBANCE. CONSTRUCTION SHALL NOT BEGIN UNTIL SUCH TIME AS THE ZONING & WETLANDS OFFICER HAS REVIEWED AND APPROVED THE INSTALLATION OF THE SEDIMENTATION AND EROSION CONTROL MEASURES.
- CONTRACTOR TO INSPECT ALL EROSION AND SEDIMENT CONTROL MEASURES AT LEAST WEEKLY AND AFTER EVERY STORM EVENT AND REPAIR AND MAINTAIN AS NECESSARY.
- CLEARING AND GRUBBING OF THE AREA TO BE GRADED. TOPSOIL TO BE REMOVED AND STOCKPILED IN AN AREA AS SHOWN ON THE PLANS.
- STAKED HAY BALE SILT BARRIERS OR SILT FENCE SHALL BE INSTALLED AROUND ANY TEMPORARY STOCKPILE AREAS.
- SIDE SLOPES SHALL BE GRADED TO ROUGH GRADE AS SHOWN ON THE PLANS
- TOPSOIL SHALL BE RE-APPLIED TO PROVIDE A MINIMUM DEPTH OF FOUR INCHES.
- 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
- SEEDING SHOULD TAKE PLACE BETWEEN APRIL 1 AND JUNE 1 OR AUGUST 15 AND OCTOBER 1.
- THE FOLLOWING SEEDING MIXTURES SHALL BE PROVIDED ON ALL DISTURBED AREAS:
 CROWN VETCH 15 LB's/AC
 PERENNIAL RYEGRASS 10 LB's/AC
- UNFORESEEN PROBLEMS WHICH ARE ENCOUNTERED IN THE FIELD SHALL BE SOLVED ACCORDING TO CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL.



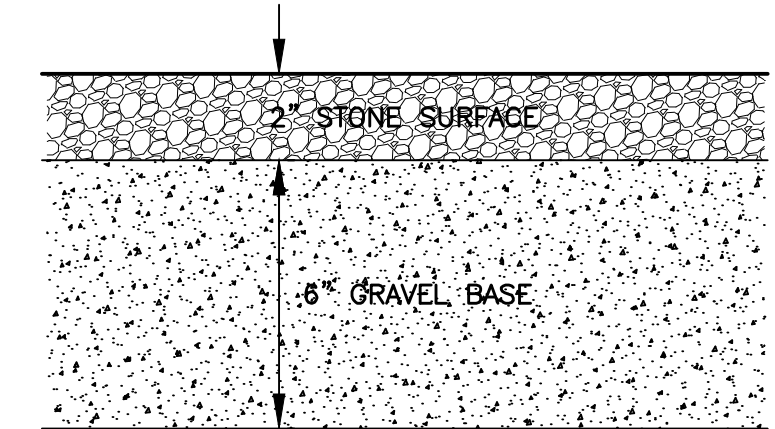
CONCRETE SLAB DETAIL
NOT TO SCALE



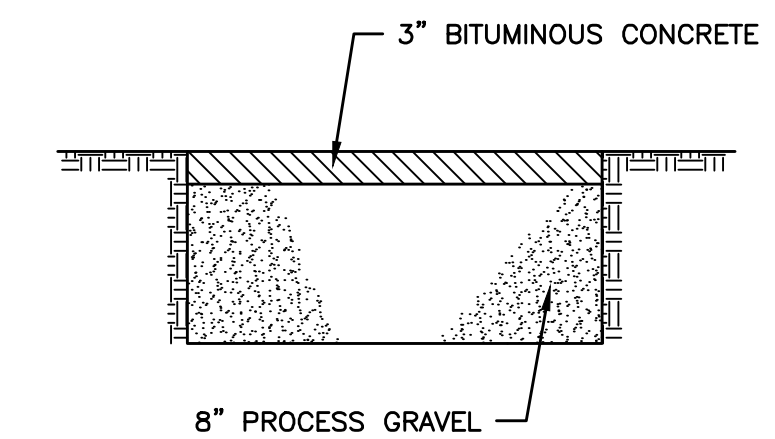
BASIN OUTLET
NOT TO SCALE



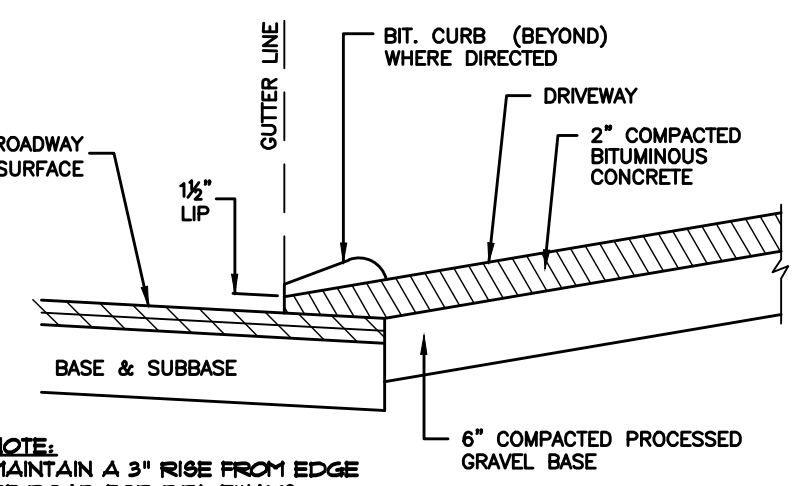
CONSTRUCTION ENTRANCE
NOT TO SCALE



GRAVEL/STONE PARKING AREA & DRIVE
NOT TO SCALE



BITUMINOUS CONCRETE DRIVEWAY
NOT TO SCALE



BITUMINOUS CONCRETE DRIVES
NOT TO SCALE

POLLUTION PREVENTION PLAN

- POLLUTION PREVENTION TEAM**
THE OWNERS WILL BE RESPONSIBLE FOR CARRYING OUT THE PROVISIONS OF THIS PLAN.
PARKING LOTS, SIDEWALKS AND OTHER IMPERVIOUS SURFACES SHALL BE SWEEPED CLEAN OF SAND AND LITTER AND ANY OTHER POLLUTANTS AT LEAST TWICE A YEAR.
A. BETWEEN NOVEMBER 15 AND DECEMBER 15 (AFTER LEAF FALL)
B. DURING APRIL (AFTER SNOW MELT)
NO WASHING VEHICLES OR EQUIPMENT IN PARKING AREAS.
- MAINTENANCE AND INSPECTION**
A. MONTHLY INSPECTION OF STORM WATER STRUCTURES AND OUTFALLS.
B. CLEAN SEDIMENT AND DEBRIS FROM STRUCTURES AND OUTFALLS TWICE PER YEAR - IN THE FALL & SPRING.
C. SUBMIT MAINTENANCE & INSPECTION REPORT TO THE PLANNING DEPARTMENT
- STORMWATER BASINS**
A. CLEAN SEDIMENT AND DEBRIS FROM BASINS TWICE A YEAR, DURING APRIL AND OCTOBER.
- SPILL OR ACCIDENTAL DISCHARGE**
COMPLY WITH STATE AND FEDERAL REGULATIONS TO CONTAIN AND CLEAN UP ANY SPILL OR DISCHARGE AND DISPOSE OF MATERIALS AT AN APPROVED FACILITY.
CONTACT CONNECTICUT DEP OIL AND CHEMICAL SPILL RESPONSE DIVISION (860) 424-3338 AND THE SALEM FIRST SELECTMAN
IN THE EVENT A SPILL OCCURS THE FOLLOWING STEPS SHOULD BE PERFORMED AS SOON AS POSSIBLE:
A. STOP THE SOURCE OF THE SPILL
B. CONTAIN THE SPILL
C. COVER SPILL WITH ABSORBENT MATERIAL SUCH AS KITTY LITER, SAWDUST OR OIL ABSORBENT PADS. DO NOT USE STRAW.
D. DISPOSE OF ABSORBENT IN ACCORDANCE WITH LOCAL AND STATE REGULATIONS.
- BEST MANAGEMENT PRACTICES FOR FUTURE UPKEEP OF THE SITE WILL INCLUDE NON-CHEMICAL LAWN CARE & MINIMAL USE OF FERTILIZERS, DE-ICING OR WINTER OPERATIONS WITHOUT THE USE OF CALCIUM, AND NO EXTERIOR WASHING OF VEHICLES OR DISCHARGING OF INTERIOR WASH WATER.

OPERATION AND MAINTENANCE OF DRAINAGE SYSTEM

- THE PROPERTY OWNER IS RESPONSIBLE FOR THE OPERATION AND MAINTENANCE OF THE DRAINAGE SYSTEM.
- ALL CATCH BASINS, STORMWATER POND AND FOREBAY, SWALES, RIPRAP SPLASH PADS & RIPRAP LEVEL SPREADER SHALL BE CLEANED OUT TWICE A YEAR, IN THE FALL AFTER THE LEAVES HAVE FALLEN AND IN THE SPRING AND ALL SEDIMENTS ARE TO BE REMOVED AND INSPECTED FOR MAINTENANCE AND MAINTAINED IF NEEDED.
- THE FOREBAY & STORMWATER POND SHALL BE MOWED ONCE A YEAR, BOTTOMS & SIDES.

EQUIPMENT TO BE USED/STORED ON SITE

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

HOURS OF OPERATION

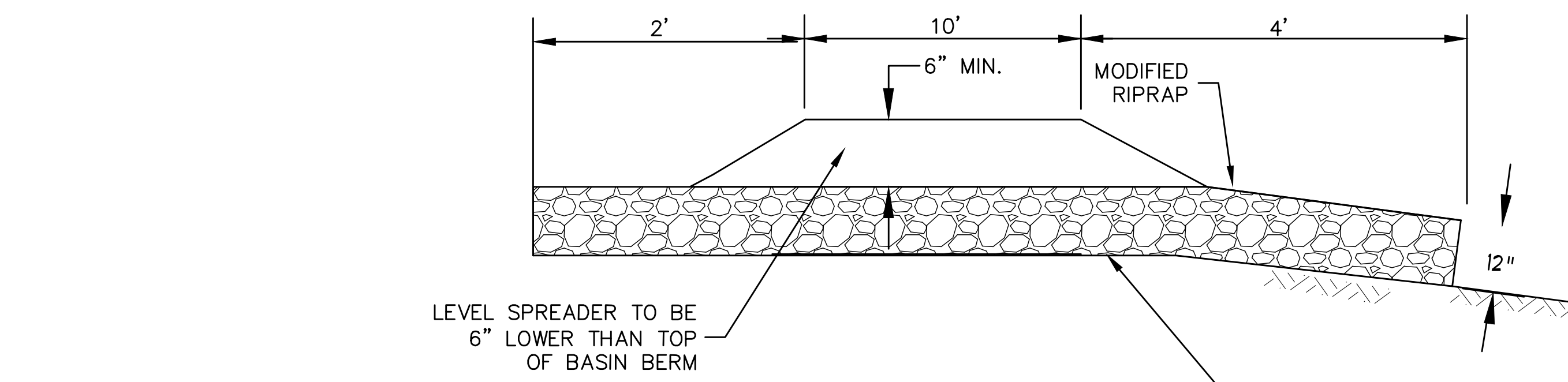
- MONDAY - FRIDAY
7:00 AM - 5:00 PM
- SATURDAYS
8:00 AM - 5:00 PM
- NO WORK ON SUNDAYS & HOLIDAYS

DUST SUPPRESSION

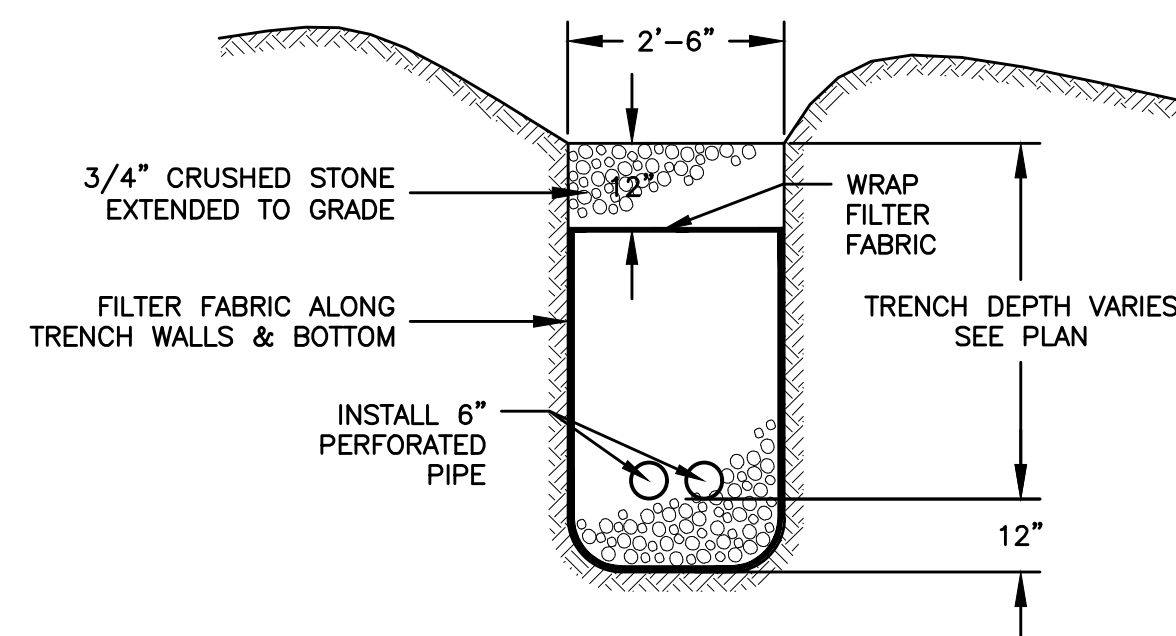
A WATER TANK TRUCK WILL BE ON SITE DURING CONSTRUCTION TO APPLY WATER DAILY FOR DUST SUPPRESSION

SEQUENCE OF CONSTRUCTION

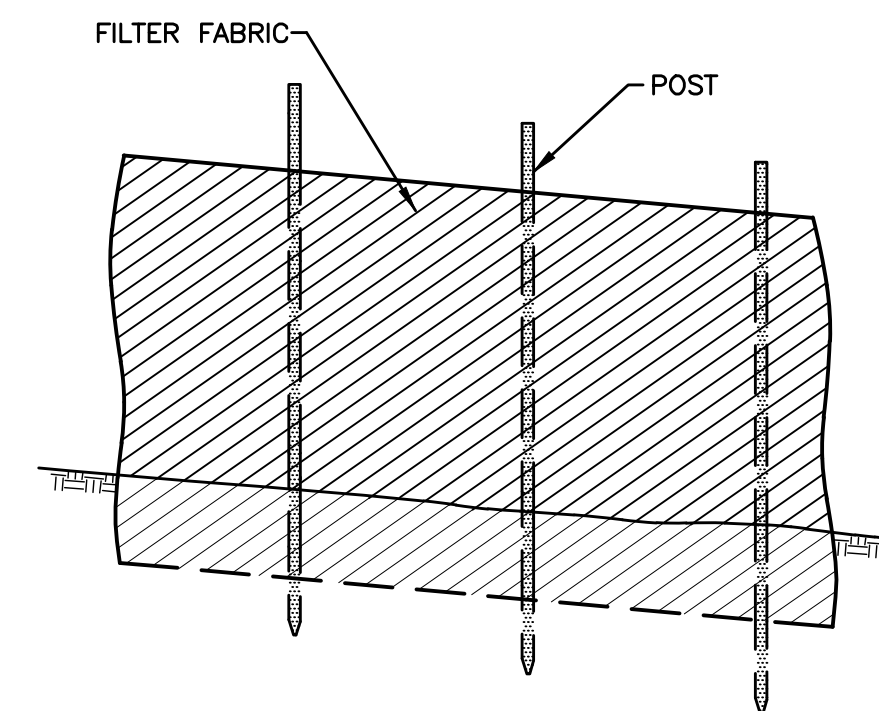
- PHASE I
- INSTALL EROSION & SEDIMENT CONTROL MEASURES
 - INSTALL FOREBAY, SEDIMENT CONTROL BASIN, AND SWALES
 - ROUGH GRADE THE SITE
 - INSTALL CURTAIN DRAIN
 - INSTALL ACCESS ONTO SACHATELLO INDUSTRIAL DRIVE
 - INSTALL STORAGE BINS & PORTABLE PROCESSING EQUIPMENT
- PHASE II
- INSTALL SEPTIC SYSTEM & WELL
 - INSTALL BUILDING
 - INSTALL TANKS, OIL SEPARATOR, CONCRETE PAD WITH CURBING



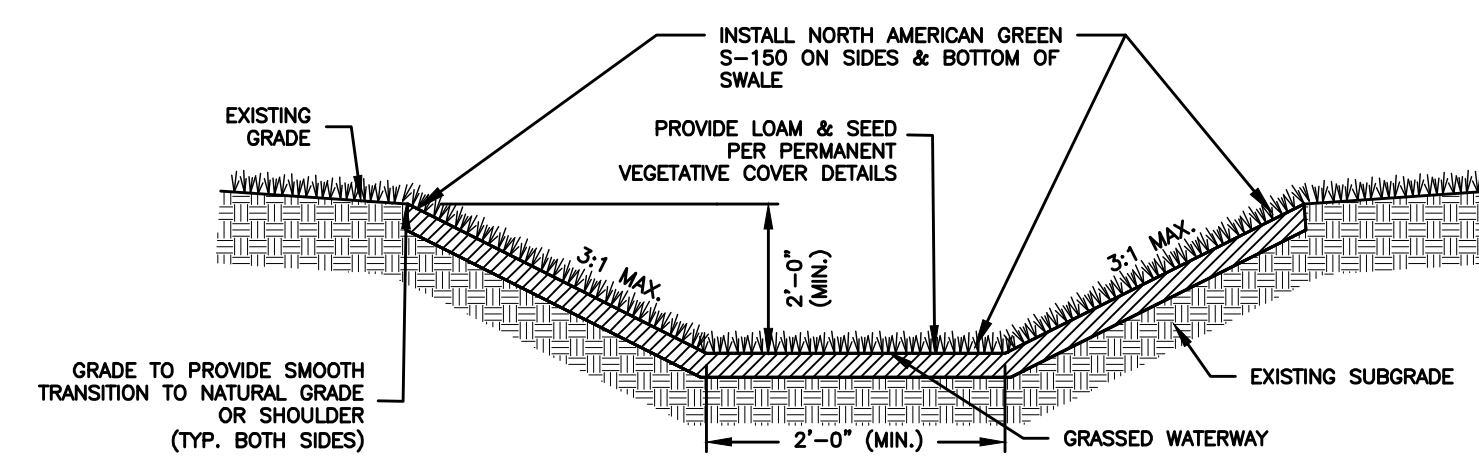
LEVEL SPREADER
NOT TO SCALE



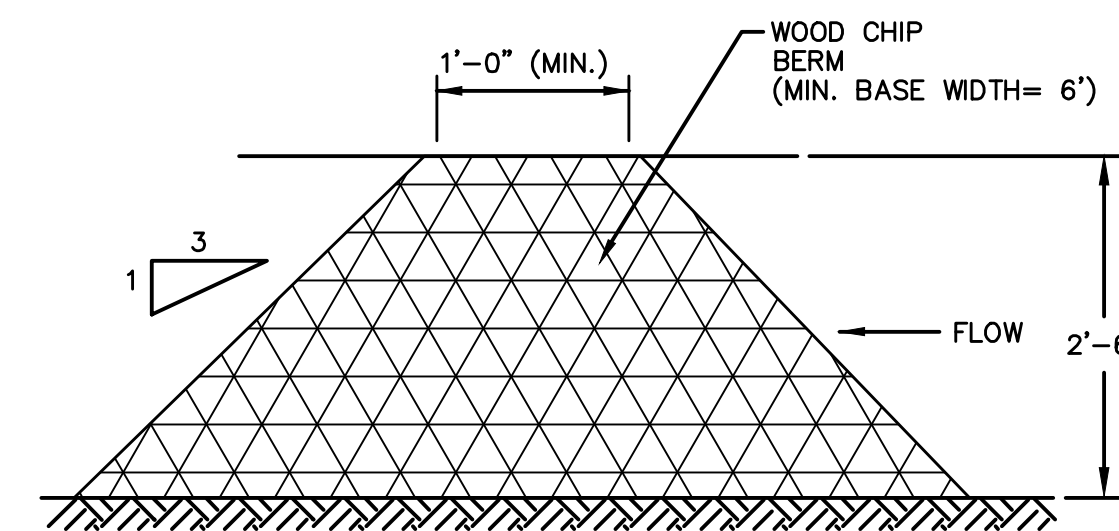
CURTAIN DRAIN DETAIL
NOT TO SCALE



SILT FENCE DETAIL
NOT TO SCALE



GRASS LINED DRAINAGE SWALE
NOT TO SCALE



WOOD CHIP BERM
NOT TO SCALE

6	6/17/24	REVIEW COMMENTS	<p>GREEN SITE DESIGN LLC 317 Main Street Norwich, Connecticut (860) 892-1380 Fax (860) 886-9165</p>	Project No. GSD-69
5	6/10/24	REVIEW COMMENTS		Proj. Engineer E.M.B.
4	5/24/24	REVIEW COMMENTS		Date: 11/01/23
3	4/26/24	REVIEW COMMENTS		Sheet No.
2	4/12/24	UPDATED SIGHT LINES		<p>DANIELS & SONS CONSTRUCTION, LLC 1492 HARTFORD-NEW LONDON TURNPIKE CONNECTICUT ROUTE 85 MONTVILLE, CONNECTICUT</p>
1	4/3/24	UNCAS HD COMMENTS		
No.	DATE	REVISION	DETAILS	5