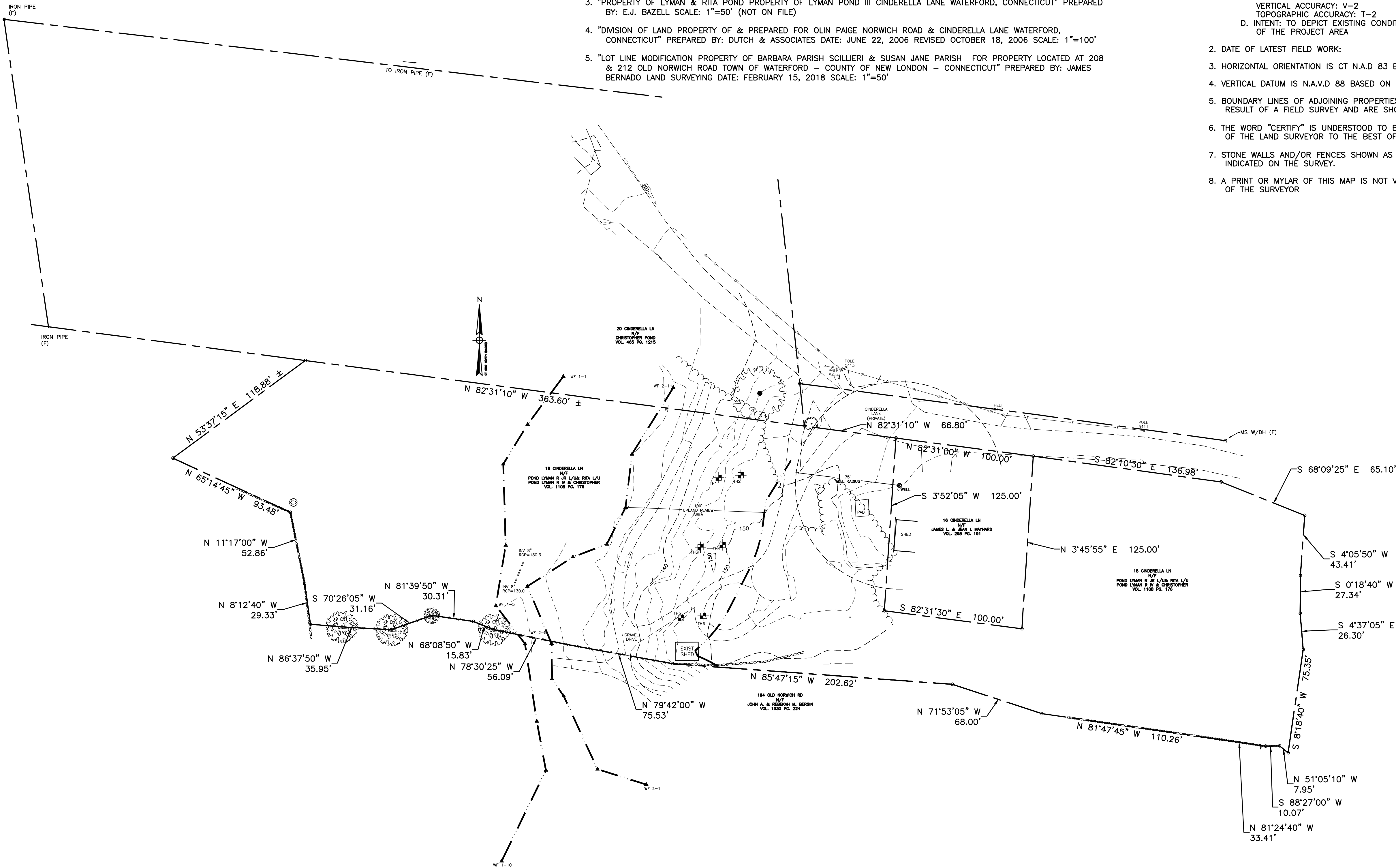


MAP REFERENCES

- "CINDERELLA LANE, TRACINGS MADE FROM INFORMATION AND DATA FROM MR. EGELAND - TAX ASSESSOR - OCTOBER 1961" SCALE: 1"=200' (NOT ON FILE)
- "POLE LINE EXTENSION THE CONNECTICUT POWER CO. QUAKER HILL WATERFORD CONNECTICUT" DATE: NOVEMBER 18 1931 SCALE: 1"=100' PROJECT NO. 3187-S
- "PROPERTY OF LYMAN & RITA POND PROPERTY OF LYMAN POND III CINDERELLA LANE WATERFORD, CONNECTICUT" PREPARED BY: E.J. BAZELL SCALE: 1"=50' (NOT ON FILE)
- "DIVISION OF LAND PROPERTY OF & PREPARED FOR OLIN PAIGE NORWICH ROAD & CINDERELLA LANE WATERFORD, CONNECTICUT" PREPARED BY: DUTCH & ASSOCIATES DATE: JUNE 22, 2006 REVISED OCTOBER 18, 2006 SCALE: 1"=100'
- "LOT LINE MODIFICATION PROPERTY OF BARBARA PARISH SCILLIERI & SUSAN JANE PARISH FOR PROPERTY LOCATED AT 208 & 212 OLD NORWICH ROAD TOWN OF WATERFORD - COUNTY OF NEW LONDON - CONNECTICUT" PREPARED BY: JAMES BERNADO LAND SURVEYING DATE: FEBRUARY 15, 2018 SCALE: 1"=50'

SURVEY 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.
  - TYPE OF SURVEY: TOPOGRAPHIC SURVEY & LIMITED BOUNDARY SURVEY
  - BOUNDARY DETERMINATION CATEGORY: RESURVEY/COMPILATION
  - HORIZONTAL ACCURACY: A-2  
VERTICAL ACCURACY: V-2  
TOPOGRAPHIC ACCURACY: T-2
  - INTENT: TO DEPICT EXISTING CONDITIONS, INCLUDING TOPOGRAPHY AND BOUNDARY INFORMATION OF THE PROJECT AREA
- DATE OF LATEST FIELD WORK:
- HORIZONTAL ORIENTATION IS CT N.A.D 83 BASED ON FIELD GPS OBSERVATIONS
- VERTICAL DATUM IS N.A.V.D 88 BASED ON FIELD GPS OBSERVATIONS
- BOUNDARY LINES OF ADJOINING PROPERTIES ARE NOT TO BE CONSTRUED AS HAVING BEEN THE RESULT OF A FIELD SURVEY AND ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY
- THE WORD "CERTIFY" IS UNDERSTOOD TO BE AN EXPRESSION OF THE PROFESSIONAL OPINION OF THE LAND SURVEYOR TO THE BEST OF THEIR KNOWLEDGE, INFORMATION AND BELIEF.
- STONE WALLS AND/OR FENCES SHOWN AS BOUNDARIES MAY HAVE IRREGULARITIES BETWEEN POINTS INDICATED ON THE SURVEY.
- A PRINT OR MYLAR OF THIS MAP IS NOT VALID UNLESS IT CONTAINS THE SEAL AND LIVE SIGNATURE OF THE SURVEYOR



LEGEND:

- |           |                      |      |                        |
|-----------|----------------------|------|------------------------|
| — — — — — | PROPERTY LINE        | ⊙    | UTILITY POLE           |
| — ○ — ○ — | CHAIN-LINK FENCE     | N/F  | NOW OR FORMERLY        |
| — — — — — | RETAINING WALL       | U.G. | UNDER GROUND           |
| ○ ○ ○ ○ ○ | STONE WALL           | ●    | DECIDUOUS TREE         |
| ○         | BOUNDARY POINT       | OH   | OVERHEAD ELECTRIC LINE |
| ○         | IRON PIN, IRON PIPE  | ⊗    | WATER SHUTOFF          |
| CHD, MON  | MONUMENT             | ●    | BOLLARD                |
| ⊗         | GAS GATE, WATER GATE | ⊙    | SHRUB                  |
| ●         | TRAFFIC SIGN         |      |                        |
| ⊙         | SEWER MANHOLE        |      |                        |

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

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

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

SCALE: 1"=40'

|     |          |                                                                        |                         |
|-----|----------|------------------------------------------------------------------------|-------------------------|
|     |          | <b>CLA Engineers, Inc.</b><br>CIVIL • STRUCTURAL • SURVEYING           |                         |
|     |          | 317 Main Street Norwich, CT 06360<br>(860) 886-1966 Fax (860) 886-9165 |                         |
| 1.  | 5/7/2025 | REVISED SCALE                                                          | Project No.<br>CLA-7517 |
| No. | DATE     | REVISION                                                               | Proj. Surveyor<br>R.J.C |
|     |          | LIMITED BOUNDARY & TOPOGRAPHIC SURVEY                                  | Date:<br>08/14/24       |
|     |          | 18 CINDERELLA LANE                                                     | Sheet No.<br>1          |
|     |          | WATERFORD CT                                                           |                         |



Know what's below.  
Call 811 before you dig.

#### PERCOLATION TEST DATA

PERC TEST INFORMATION:  
BY CLA ENGINEERS  
DATE 11/27/2023.

| TIME | READING                    |
|------|----------------------------|
| 2:41 | 7.25"                      |
| 2:49 | 8.25"                      |
| 2:57 | 9"                         |
| 3:05 | 9.75"                      |
| 3:13 | 10.25"                     |
| 3:21 | 11"                        |
| 3:29 | 11.75"                     |
| 3:37 | 12.25"                     |
| 3:45 | 12.75"                     |
| 3:53 | 13.25"                     |
| 4:01 | 13.75"                     |
| 4:09 | 14.5" End Test < 3" Remain |

MIN PERC. RATE: 16.0 MIN/INCH

#### PERC 2

17 3/4" DEPTH "BELOW TOPSOIL"

| TIME | READING                  |
|------|--------------------------|
| 2:41 | 5.75"                    |
| 2:49 | 9.25"                    |
| 2:57 | 10.75"                   |
| 3:05 | 12.25"                   |
| 3:13 | 13.5"                    |
| 3:21 | 14.75"                   |
| 3:29 | 16" End Test < 3" Remain |

MIN PERC. RATE: 6.4 MIN/INCH

#### LOCATION MAP

Scale: 1"=1000'

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

#### ZONING COMPLIANCE TABLES

| Zone: R-20 (Rear Lot)          |             |           |
|--------------------------------|-------------|-----------|
| ITEM                           | REQUIRED    | PROVIDED  |
| LOT AREA (20,000 s.f. x 1.25)* | 25,000 s.f. | 2.6 ACRES |
| LOT FRONTAGE                   | 85 FT.      | N/A       |
| FRONT YARD SETBACK             | 20 FT. **   | 65 FT.    |
| SIDE YARD SETBACK              | 20 FT.      | 22 FT.    |
| REAR YARD SETBACK              | 20 FT.**    | 55 FT.    |
| MAX. BUILDING COVERAGE         | 25%         | 2.3%      |
| WATER SUPPLY                   |             | WELL      |
| SEWAGE DISPOSAL                |             | SEPTIC    |

\* ZONING REGULATIONS EFFECTIVE MARCH 22, 2024 SECTION 3.14.3  
\*\* ZONING REGULATIONS EFFECTIVE MARCH 22, 2024 SECTION 3.14.4

#### LEGEND:

|          |                      |      |                        |
|----------|----------------------|------|------------------------|
| ---      | PROPERTY LINE        | ○    | UTILITY POLE           |
| ---      | CHAIN-LINK FENCE     | N/F  | NOW OR FORMERLY        |
| ---      | RETAINING WALL       | U.G. | UNDER GROUND           |
| ---      | STONE WALL           | ○    | DECIDUOUS TREE         |
| ○        | BOUNDARY POINT       | ○    | OVERHEAD ELECTRIC LINE |
| ○        | IRON PIN, IRON PIPE  | ○    | WATER SHUTOFF          |
| CHD, MON | MONUMENT             | ○    | BOLLARD                |
| ○        | GAS GATE, WATER GATE | ○    | SHRUB                  |
| ○        | TRAFFIC SIGN         | ○    |                        |
| ○        | SEWER MANHOLE        | ○    |                        |

20' 0' 20' 40'  
SCALE: 1"=20'

#### SEPTIC SYSTEM DESIGNS

PRIMARY LEACHING AREA  
3 BEDROOM RESIDENCE  
PERCOLATION RATE: 10.1-20.0 MIN./INCH  
LEACHING AREA REQUIRED: 675 SF

USE GST6218 LEACHING SYSTEM  
EFFECTIVE LEACHING AREA OF GST6218 = 14.0 SF/LF  
REQUIRED LENGTH = 675 SF / 14 SF/LF = 48.2 LF  
MISS. CALCULATION  
HYDRAULIC FACTORS  
DEPTH TO RESTRICTIVE LAYER: 37" (TH #4)  
SLOPE: 7 VF / 30 LF = 28%  
HYDRAULIC FACTORS (HF) = 20  
FLOW FACTORS  
3 BEDROOM HOUSE: FF = 1.5  
PERCOLATION RATE = 10.1-20.0 MIN./INCH  
PF = 1.25  
MISS. REQUIRED: 20 x 1.5 x 1.25 = 37.5 LF

PROPOSED SYSTEM  
18"x62" GST 6218: USE 1 ROW OF 50 LF  
LEACHING AREA PROVIDED = 700 SF

RESERVE LEACHING AREA  
SAME AS PROPOSED

#### TEST PIT DATA

TEST PIT INFORMATION FROM:  
"EMAIL DATED NOVEMBER 8TH, 2023; FROM DANIELLE HOLMES (LHJ) TO ROBERT RUSSO (CLA)"  
RECORDED BY LEDGE LIGHT HEALTH DISTRICT

TP #1  
0-8" TOPSOIL (DARK BR FSL)  
8"-29" YB FSL W/ STONES  
29"-51" LIGHT GB MED-COARSE SAND W/ COBBLES & STONES  
MOTTLING @ 31"  
MAX GROUNDWATER @ 31"  
ROOTS TO 31"  
LEDGE/REFUSAL @ 51"

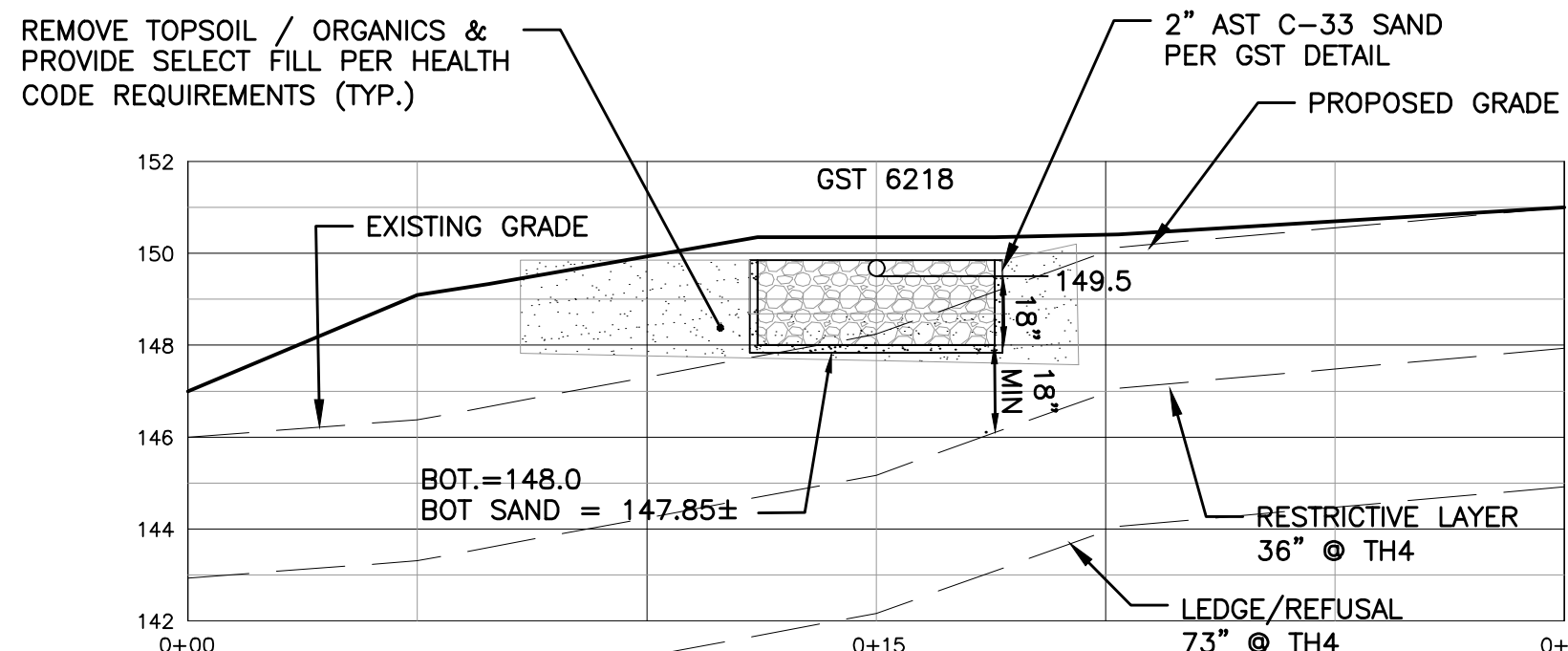
TP #2  
0-10" TOPSOIL (DARK BR FSL, TRACE GRAVEL)  
10"-24" BROWN LOAM SAND W/ COBBLES  
24"-54" YB FSL  
54"-73" LIGHT GB MED-COARSE SAND W/ COBBLES & STONES  
MOTTLING @ 54"  
MAX GROUNDWATER @ 54"  
ROOTS TO 62"  
LEDGE/REFUSAL @ 73"

TP #3  
0-10" TOPSOIL  
10"-32" YB FSL  
32"-77" LIGHT GB MED-COARSE SAND W/ COBBLES & STONES  
REDOX @ 32"  
MAX GROUNDWATER @ 32"  
ROOTS TO 32"  
LEDGE/REFUSAL @ 77"

TP #4  
0-13" TOPSOIL  
13"-57" YB FSL  
57"-73" LIGHT GB MED-COARSE SAND W/ COBBLES & STONES  
MOTTLING @ 37"  
MAX GROUNDWATER @ 37"  
ROOTS TO 36"  
LEDGE/REFUSAL @ 73"

TP #5  
0-23" FILL / DISTURBED  
23"-27" ORIGINAL TOPSOIL  
27"-44" YB FSL  
44"-89" LIGHT GB MED-COARSE SAND W/ COBBLES & STONES  
REDOX @ 44"  
ROOTS TO 44"  
LEDGE/REFUSAL @ 89"

TP #6  
0-8" TOPSOIL  
8"-21" YB FSL  
21"-74" LIGHT GB MED-COARSE SAND W/ COBBLES & STONES  
MOTTLING @ 21"  
MAX GROUNDWATER @ 21"  
ROOTS TO 30"  
LEDGE/REFUSAL @ 74"



PRIMARY SEPTIC SYSTEM - CROSS SECTION A-A

Horiz. Scale: 1" = 4'  
Vert. Scale: 1" = 4'



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(860) 886-1966 Fax (860) 886-9165

18 CINDERELLA LANE,  
QUAKER HILL, CONNECTICUT

Randazzo Residence

SEPTIC SYSTEM DESIGN PLAN

Project No.

CLA-7517

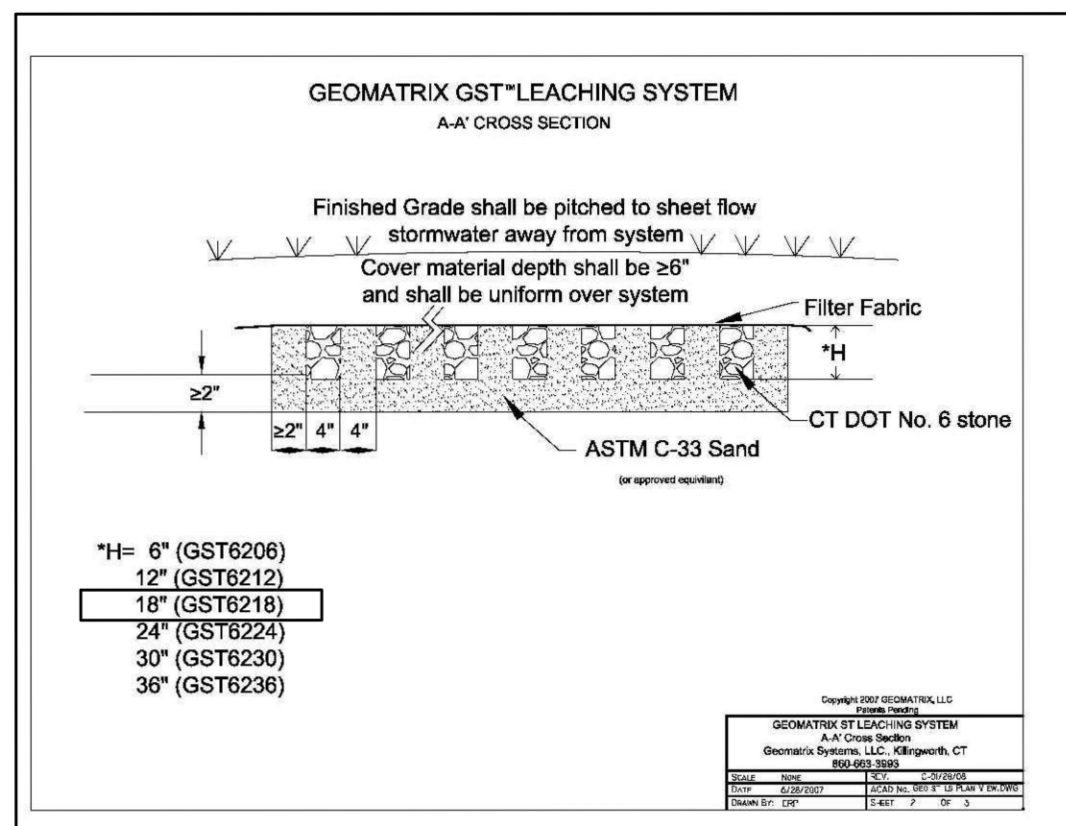
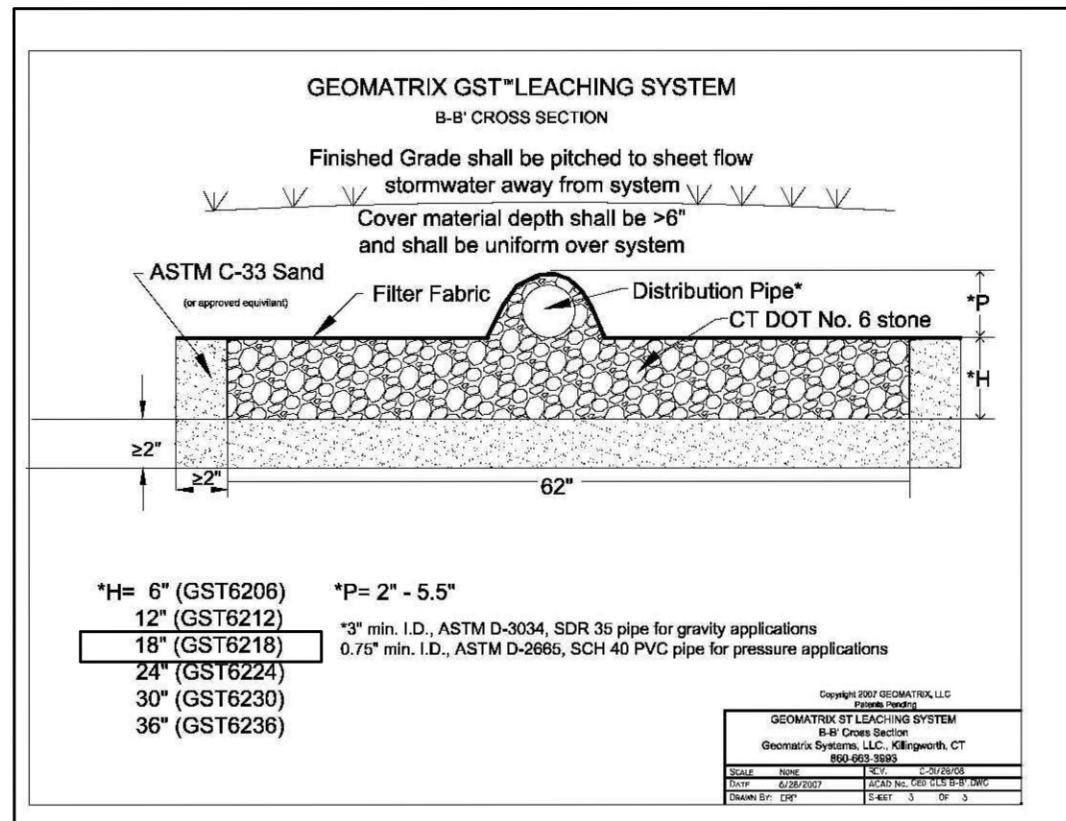
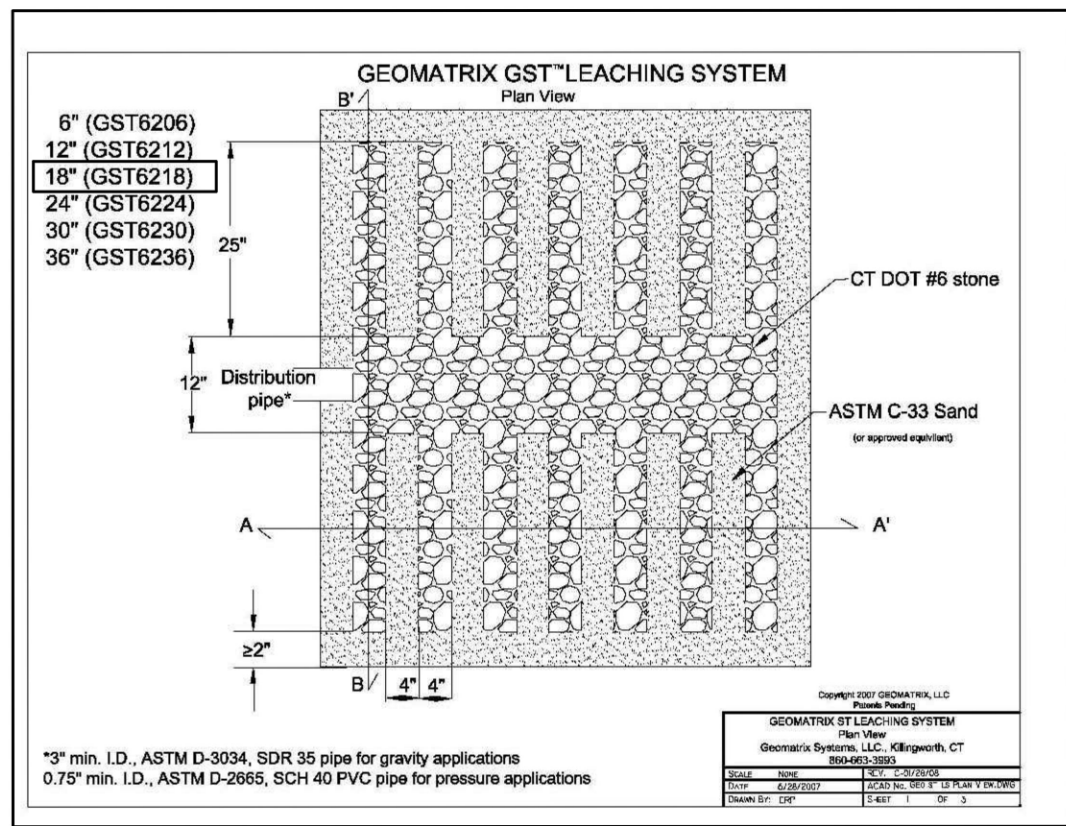
Proj. Engineer

K.J.H.

Date:

12/19/2023

Sheet No.



## SEPTIC GENERAL NOTES

- ALL WORK AND MATERIAL (SEPTIC TANK, DISTRIBUTION BOX, PIPE, ETC.) SHALL CONFORM TO THE CONNECTICUT PUBLIC HEALTH CODE ON-SITE SEWAGE DISPOSAL REGULATIONS AND TECHNICAL STANDARDS FOR SUBSURFACE SEWAGE DISPOSAL SYSTEMS, AS REVISED.
- PROPOSED SEPTIC SYSTEMS SHALL BE STAKED IN THE FIELD BY A LAND SURVEYOR LICENSED IN THE STATE OF CONNECTICUT. A BENCHMARK SHALL BE SET WITHIN 10'-15' OF THE PROPOSED SEPTIC SYSTEM PRIOR TO CONSTRUCTION.
- SEWER LINE FROM FOUNDATION WALL TO SEPTIC TANK SHALL BE 4" SCHEDULE 40 PVC - ASTM D 1785 AND JOINTS PER HEALTH DEPT. CODE.
- PIPE FROM SEPTIC TANK TO DISTRIBUTION LINES SHALL BE 4" SOLID PVC CONFORMING TO ASTM D-3034 AND SDR-35.
- LEACHING SYSTEM ROWS SHALL BE SET LEVEL FOR ENTIRE LENGTH AND HAVE A CENTER TO CENTER SPACING AS CALLED FOR IN THE CONNECTICUT PUBLIC HEALTH CODE.
- THERE ARE PRESENTLY NO KNOWN WATER WELLS WITHIN 75' OF THE PROPOSED SEPTIC SYSTEMS.
- PROPOSED SEPTIC AREAS SHALL BE CLEARED AND GRUBBED. ALL TOPSOIL IN THE AREA SHALL BE STRIPPED AND STOCKPILED FOR FUTURE USE.
- ALL FILL MATERIAL SHALL BE CLEAN EARTH FREE OF STUMPS, ORGANICS, CONSTRUCTION DEBRIS AND TOPSOIL.
- TOPSOIL SHALL BE RE-APPLIED OVER ALL FILL AREAS AND ALL DISTURBED AREAS IN ACCORDANCE WITH THE SLOPE STABILIZATION DETAILS.
- ALL EXISTING UTILITIES TO BE ACCURATELY LOCATED PRIOR TO CONSTRUCTION CONTRACTOR SHALL CONTACT CALL BEFORE YOU DIG: 811.

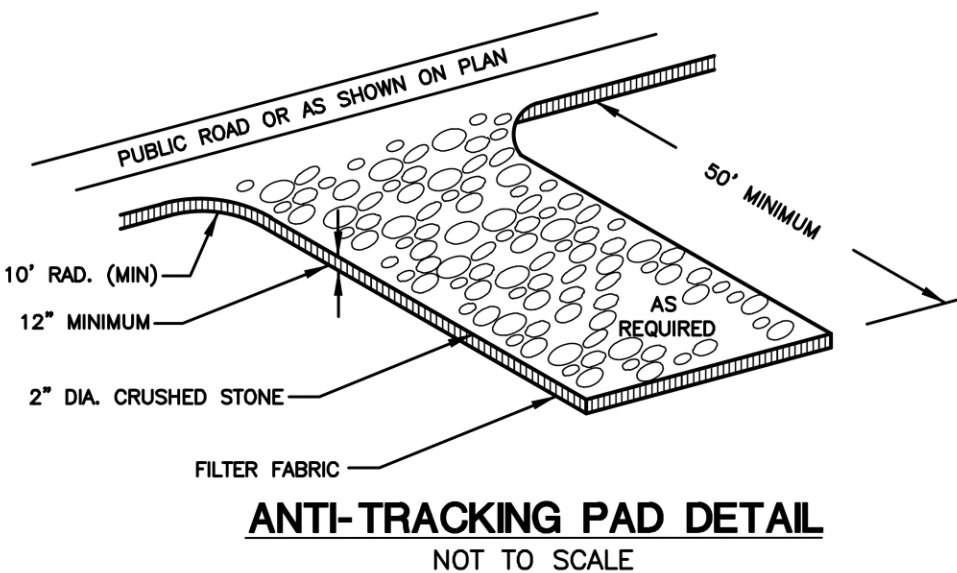
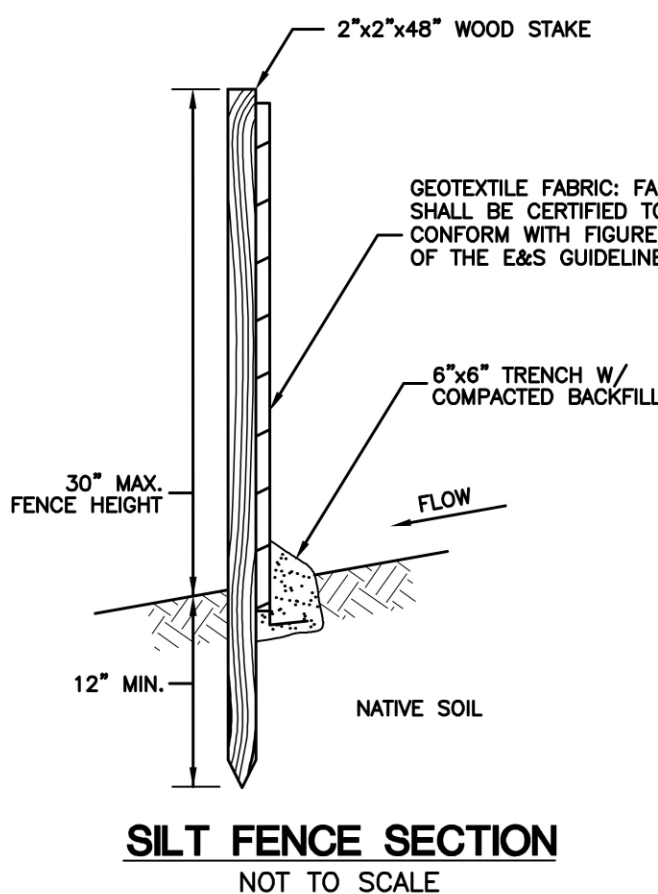
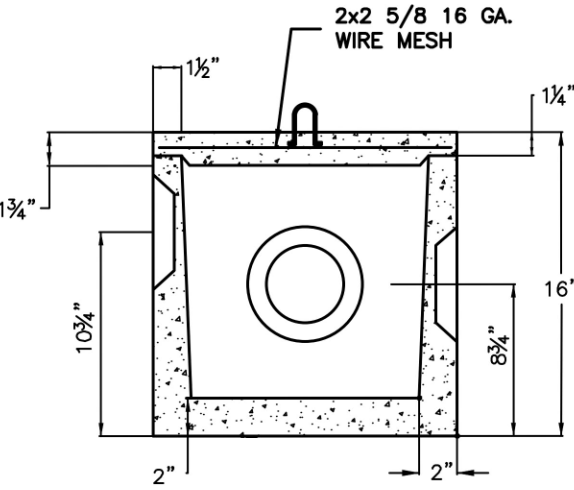
## SELECT FILL SPECIFICATION

SELECT FILL PLACED WITHIN AND ADJACENT TO LEACHING SYSTEM AREAS SHALL BE CLEAN MATERIAL COMPRISED OF 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 P.E. SELECT FILL EXCEEDING 6 PERCENT PASSING THE #200 SIEVE BASED ON WET SIEVE ANALYSIS CANNOT BE APPROVED BY THE DESIGN P.E.

- THE SELECT FILL SHALL NOT CONTAIN ANY MATERIAL LARGER THAN THE THREE (3) INCH SIEVE.
- UP TO 45% OF THE DRY WEIGHT OF THE REPRESENTATIVE SAMPLE MAY BE RETAINED (GRAVEL PORTION) ON THE #4 SIEVE.
- 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 | WET SIEVE | PERCENT PASSING 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 THAN 75 IF THE PERCENT PASSING THE #100 SIEVE DOES NOT EXCEED 10 AND THE #200 SIEVE DOES NOT EXCEED 5.



## EROSION & SEDIMENTATION CONTROL NARRATIVE

- THE EROSION & SEDIMENTATION CONTROL PLAN AND DETAILS HAVE BEEN DEVELOPED AS A STRATEGY TO CONTROL SOIL EROSION AND SEDIMENTATION DURING AND AFTER CONSTRUCTION. THIS PLAN IS BASED ON THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEP.
- THE PROPOSED LOCATIONS OF SILTATION AND EROSION CONTROL MEASURES ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROVIDED SILT FENCE, STONE CHECK DAMS AND/OR OTHER EROSION CONTROL MEASURES AS NEEDED OR DIRECTED BY THE ENGINEER OR TOWN STAFF TO ADEQUATELY PREVENT SEDIMENT TRANSPORT.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO SITE DISTURBANCE.
- THE CONTRACTOR SHALL INSPECT, REPAIR AND/OR REPLACE EROSION CONTROL MEASURES EVERY 7 DAYS AND IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL OR SNOW MELT. SEDIMENT DEPOSITS MUST BE REMOVED WHEN WHEN DEPOSITS REACH APPROXIMATELY ONE HALF THE HEIGHT OF THE BARRIER. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED BY THE CONTRACTOR UNTIL AREAS UPSLOPE ARE PERMANENTLY STABILIZED.
- STAKED HAY BALE SILT BARRIERS OR SILT FENCE SHALL BE INSTALLED AROUND ANY TEMPORARY STOCKPILE AREAS.
- TEMPORARY VEGETATIVE COVER MAY BE REQUIRED (SEE NOTE).
- INLET SEDIMENTATION CONTROL DEVICES SHALL BE INSTALLED UNDER THE GRATES OF ALL NEW CATCH BASINS AT THE TIME OF INSTALLATION, AND UNDER THE GRATES OF EXISTING CATCH BASINS IN THE CONSTRUCTION AREA.
- CONTINUOUS DUST CONTROL USING WATER, CALCIUM CHLORIDE OR APPROVED EQUAL SHALL BE PROVIDED FOR ALL EARTH STOCKPILES, EARTH PAILED ALONG EXCAVATIONS, SURFACES OF BACKFILLED TRENCHES AND GRAVELED ROADWAY SURFACES.
- IF DEWATERING IS NECESSARY DURING ANY TIME OF CONSTRUCTION A CLEAR WATER DISCHARGE SHALL BE PROVIDED AS PROPOSED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.
- ALL DISTURBED AREAS SHALL BE RESTORED PER THE SLOPE STABILIZATION AND PERMANENT VEGETATION DETAILS. ALL DISTURBED AREAS THAT ARE SLOPED LESS THAN THREE HORIZONTAL TO ONE VERTICAL (3:1) SLOPE SHALL BE LOAMED, SEEDED, FERTILIZED AND MULCHED PER THE PERMANENT VEGETATIVE COVER SPECIFICATIONS. EROSION CONTROL MATTING SHALL BE PROVIDED ON ALL DISTURBED AREAS THAT ARE SLOPED MORE THAN THREE HORIZONTAL TO ONE VERTICAL (3:1).
- IF FINAL SEEDING OF DISTURBED AREAS IS NOT TO BE COMPLETED BEFORE OCTOBER 15, THE CONTRACTOR SHALL PROVIDE TEMPORARY MULCHING (DORMANT SEEDING MAY BE ATTEMPTED AS WELL) TO PROTECT THE SITE AND DELAY PERMANENT SEEDING.
- WHEN FEASIBLE, TEMPORARY SEEDING OF DISTURBED AREAS THAT HAVE NOT BEEN FINISHED GRADED SHALL BE COMPLETED PRIOR TO OCTOBER 15.
- ANY EROSION WHICH OCCURS WITHIN THE DISTURBED AREAS SHALL BE IMMEDIATELY REPAIRED AND STABILIZED. DURING THE CONSTRUCTION PHASE, INTERCEPTED SEDIMENT SHALL BE RETURNED TO THE SITE. POST SEEDING, INTERCEPTED SEDIMENT, IF ANY, SHALL BE DISPOSED OF IN A MANNER APPROVED BY THE TOWN AND ENGINEER.
- EROSION AND SEDIMENTATION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL VEGETATION IS RE-ESTABLISHED OR SLOPES ARE STABILIZED AND REMOVAL IS APPROVED BY THE TOWN.
- UNFORESEEN PROBLEMS WHICH ARE ENCOUNTERED IN THE FIELD SHALL BE SOLVED ACCORDING TO THE "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION IN COOPERATION WITH THE CONNECTICUT DEP.
- THE CONTRACTOR SHALL PROVIDE THE NAME AND EMERGENCY CONTACT INFORMATION FOR THE PROJECT PERSONNEL RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROLS PRIOR TO THE START OF CONSTRUCTION.
- THE WETLANDS ENFORCEMENT OFFICER SHALL BE NOTIFIED AT LEAST 2 BUSINESS DAYS PRIOR TO CONSTRUCTION TO INSPECT EROSION CONTROLS.
- THE WETLAND ENFORCEMENT OFFICER SHALL BE NOTIFIED AT THE COMPLETION OF WORK FOR FINAL INSPECTION AND SIGN OFF OF PERMIT COMPLIANCE.

## TEMPORARY VEGETATIVE COVER

A TEMPORARY SEEDING OF RYE GRASS WILL BE COMPLETED WITHIN 15 DAYS OF THE FORMATION OF STOCKPILES. IF THE SOIL IN THE STOCKPILES HAS BEEN COMPACTED BY CONSTRUCTION OPERATIONS IT SHALL BE LOOSENEED TO A DEPTH OF 2 INCHES BEFORE THE FERTILIZER, LIME AND SEED IS APPLIED. 10-10-10 FERTILIZER AT A RATE OF 7.5 POUNDS PER 1000 S.F. LIMESTONE AT A RATE OF 90 LBS. PER 1000 S.F. SHALL BE USED. RYE GRASS APPLIED AT A RATE OF 1 LB. PER 1000 S.F. SHALL PROVIDE THE TEMPORARY VEGETATIVE COVER. STRAW FREE FROM WEEDS AND COARSE MATTER SHALL BE USED AT A RATE OF 70-90 LBS. PER 1000 S.F. AS A TEMPORARY MULCH. APPLY MULCH AND DRIVE TRACKED EQUIPMENT UP AND DOWN SLOPE OVER ENTIRE SURFACE SO CLEAT MARKS ARE PARALLEL TO THE CONTOURS.

## PERMANENT VEGETATIVE COVER

TOPSOIL WILL BE REPLACED ONCE THE EXCAVATIONS HAVE BEEN COMPLETED AND THE SLOPES ARE GRADED AS SHOWN ON THE PLANS. PROVIDE SLOPE PROTECTION AS CALLED FOR ON THE PLANS AND DETAILS. TOPSOIL SHALL BE SPREAD AT A MINIMUM COMPACTED DEPTH OF 4 INCHES. ONCE THE TOPSOIL HAS BEEN SPREAD, ALL STONES TWO INCHES OR LARGER IN ANY DIMENSION WILL BE REMOVED AS WELL AS DEBRIS.

- APPLY AGRICULTURAL GROUND LIMESTONE AT THE RATE OF TWO TONS PER ACRE OR 100 LBS. PER 1000 S.F. APPLY 10-10-10 FERTILIZER OR EQUIVALENT AT A RATE OF 300 LBS. PER ACRE OR 7.5 LBS. PER S.F.
- WORK LIMESTONE AND FERTILIZER INTO THE SOIL TO A DEPTH OF 4 INCHES.
- INSPECT SEEDBED BEFORE SEEDING.
- IF TRAFFIC HAS COMPACTED THE SOIL, RETILL COMPACTED AREAS.
- APPLY THE FOLLOWING GRASS SEED MIX:

## SEED MIXTURE

### ALL DISTURBED AREAS

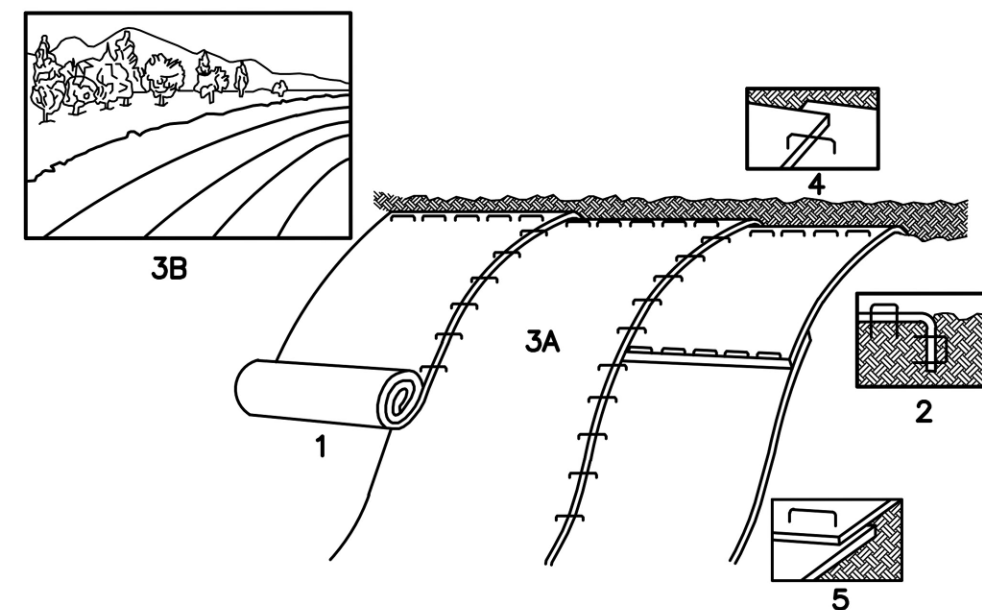
KENTUCKY BLUEGRASS  
CREEPING RED FESCUE  
PERENNIAL RYEGRASS

| LBS./ACRE | LBS./1000 S.F. |
|-----------|----------------|
| 75        | 1.72           |
| 75        | 1.72           |
| 25        | 0.58           |
| 175       | 4.00           |

THE RECOMMENDED SEEDING DATES ARE:

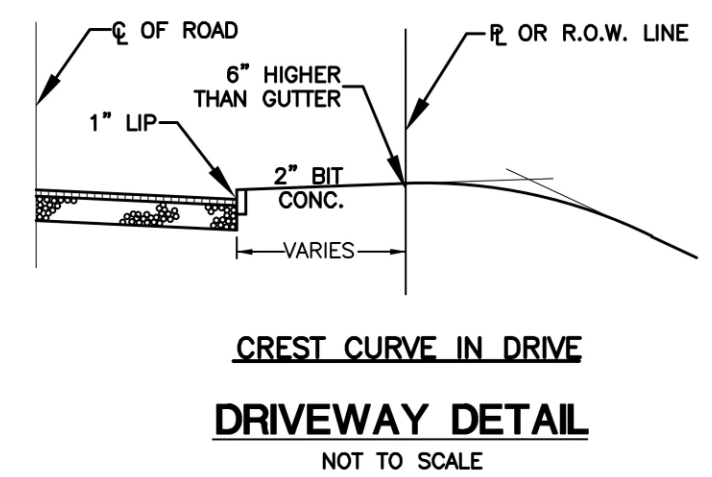
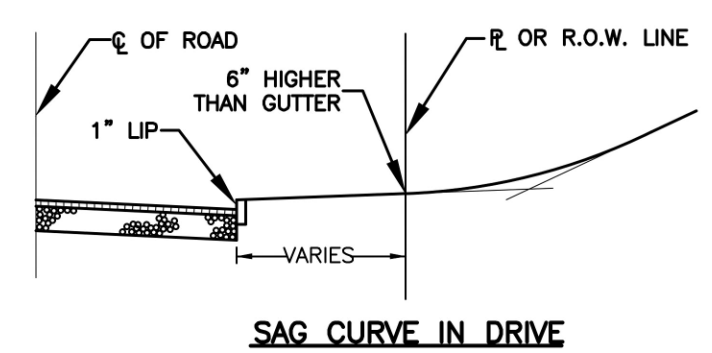
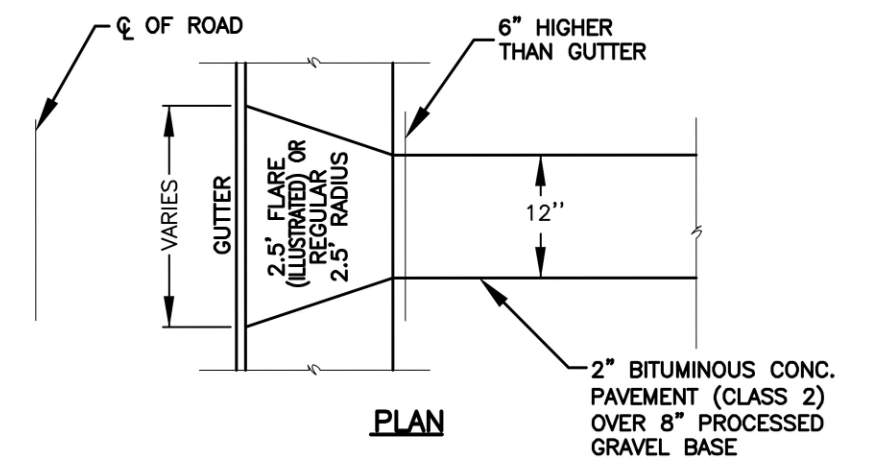
APRIL 1 - JUNE 15 AND AUGUST 15 - OCTOBER 15

IMMEDIATELY FOLLOWING SEEDING, FIRM SEED BED WITH A ROLLER AND MULCH WITH WEED FREE STRAW. IF PERMANENT VEGETATIVE COVER IS HAS NOT BEEN ESTABLISHED BY OCTOBER 15, APPLY A TEMPORARY VEGETATIVE COVER ON THE TOPSOIL.



- PROVIDE 6" THICKNESS OF TOPSOIL OVER CLEAN FILL. PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING APPLICATION OF LIME, FERTILIZER, AND SEED MIX PER PERMANENT VEGETATIVE COVER NOTES. (SHALL BE PAID FOR AT THE UNIT PRICE FOR LOAM, SEED, FERTILIZER & MULCH)
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN 6" DEEP x 6" WIDE TRENCH, BACKFILL AND COMPACT THE TRENCH AFTER STAPLING.
- ROLL THE BLANKET (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2" OVERLAP.
- WHEN BLANKETS MUST BE SPLICED DOWN THE SLOPE, PLACE BLANKETS END OVER END (SHINGLE STYLE) WITH APPROXIMATELY 4" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART.

NOTE: ALL PERMANENT EROSION CONTROL BLANKETS ARE TO BE NORTH AMERICAN GREEN BIONET C125BN OR APPROVED EQUAL.



|     |           |                        |                                                                                                                                        |                                                                                                     |
|-----|-----------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| 6.  | 5/7/2025  | TOWN COMMENTS          | <b>CLA Engineers, Inc.</b><br>CIVIL • STRUCTURAL • SURVEYING<br>317 Main Street Norwich, CT 06360<br>(860) 886-1966 Fax (860) 886-9165 | Project No.<br>CLA-7517<br>Proj. Engineer<br>K.J.H.<br>Date:<br>12/19/2023<br>Sheet No.<br><b>3</b> |
| 5.  | 4/21/2025 | REVISED BREEZEWAY      |                                                                                                                                        |                                                                                                     |
| 4.  | 3/28/2025 | REVISED HOUSE LOCATION |                                                                                                                                        |                                                                                                     |
| 3.  | 8/29/2024 | REVISED PER TOWN       |                                                                                                                                        |                                                                                                     |
| 2.  | 4/18/2024 | MISC. REVISIONS        |                                                                                                                                        |                                                                                                     |
| 1.  | 3/18/2024 | MISC. REVISIONS        |                                                                                                                                        |                                                                                                     |
| No. | DATE      | REVISION               |                                                                                                                                        |                                                                                                     |
|     |           |                        | 18 CINDERELLA LANE,<br>QUAKER HILL, CONNECTICUT                                                                                        |                                                                                                     |
|     |           |                        | <b>Randazzo Residence</b>                                                                                                              |                                                                                                     |
|     |           |                        | CONSTRUCTION DETAILS & NOTES                                                                                                           |                                                                                                     |