

APPROVED BY THE LEDYARD PLANNING AND ZONING COMMISSION AS TO THE COMPLIANCE WITH THE REGULATIONS GOVERNING THE SUBDIVISION OF LAND. ALL IMPROVEMENTS SHALL BE COMPLETED BY \_\_\_\_\_ DATE \_\_\_\_\_

CHAIRMAN OR SECRETARY \_\_\_\_\_ DATE \_\_\_\_\_

EROSION AND SEDIMENT CONTROL PLAN CERTIFIED BY VOTE OF \_\_\_\_\_ THE LEDYARD PLANNING AND ZONING COMMISSION ON \_\_\_\_\_ DATE \_\_\_\_\_

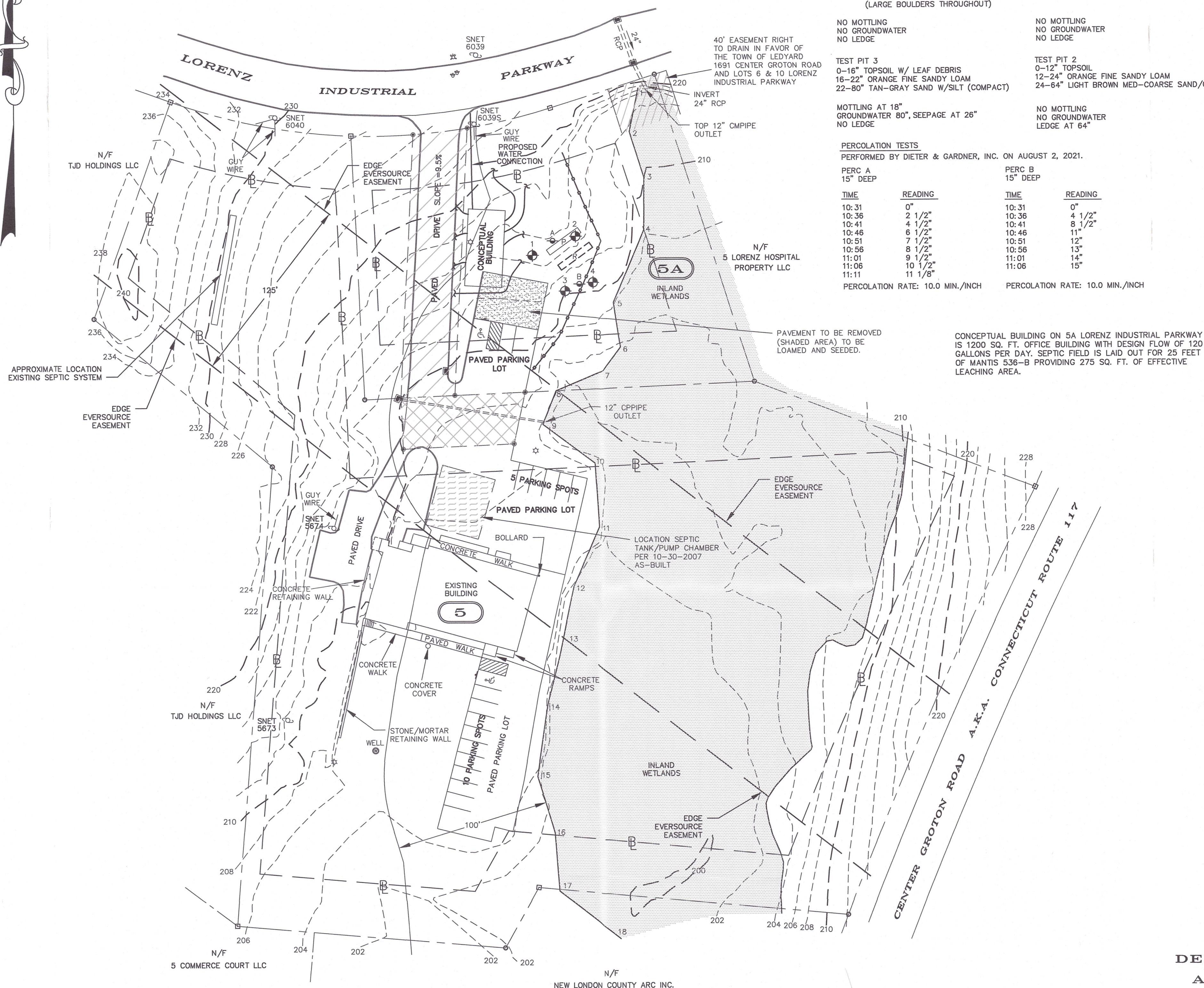
LOT NUMBERS ASSIGNED BY THE ASSESSOR

| ASSESSOR | DATE                                                                                                 |
|----------|------------------------------------------------------------------------------------------------------|
| IWWC     | APPLICATION# _____                                                                                   |
|          | APPROVED, _____                                                                                      |
|          | NO PERMIT NECESSARY. (NOT WITHIN A REGULATED AREA)                                                   |
|          | NOT APPLICABLE AT THIS TIME. (WITHIN A REGULATED AREA; NO REGULATED ACTIVITY PROPOSED AT THIS TIME.) |

ZONING & WETLANDS OFFICER \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY THE DIRECTOR OF PUBLIC WORKS OR THE TOWN ENGINEER FOR PUBLIC WAY LAYOUT.

PUBLIC WORKS DIRECTOR/TOWN ENGINEER \_\_\_\_\_ DATE \_\_\_\_\_



| LEGEND |                                |
|--------|--------------------------------|
|        | PROPERTY LINE                  |
|        | STREET LINE                    |
|        | EXISTING CONTOUR               |
|        | PROPOSED CONTOUR               |
|        | SILT FENCE                     |
|        | BUILDING SETBACK LINE          |
|        | PRIMARY SEPTIC AREA            |
|        | RESERVE SEPTIC AREA            |
|        | APPROXIMATE TEST PIT LOCATION  |
|        | APPROXIMATE PERC TEST LOCATION |
|        | CATCH BASIN                    |
|        | UTILITY POLE                   |
|        | LIGHT POLE                     |
|        | WATER GATE                     |
|        | HYDRANT                        |
|        | EDGE OF WETLANDS & FLAG NUMBER |
|        | CURBING                        |
|        | STREET ADDRESS                 |

THE WORD "CERTIFY" IS UNDERSTOOD TO BE AN EXPRESSION OF THE PROFESSIONAL OPINION BY THE LAND SURVEYOR WHICH IS BASED ON HIS OR HER BEST KNOWLEDGE, INFORMATION AND BELIEF. AS SUCH IT CONSTITUTES NEITHER GUARANTEE OR WARRANTY. THE STONE WALLS AND/OR FENCES SHOWN AS BOUNDARIES MAY HAVE IRREGULARITIES OF COURSE BETWEEN PRINCIPAL POINTS OF COURSE INDICATED.

© THIS DRAWING IS THE PROPERTY OF THE LAND SURVEYOR. THIS PLAN AND REPRODUCTIONS, ADDITIONS OR REVISIONS OF THIS PLAN ARE NOT VALID WITHOUT THE EMBOSSED SEAL AND SIGNATURE OF THE LAND SURVEYOR WHO PREPARED THIS PLAN. JOB# 21-040.DWG FBK#318

I HAVE REVIEWED THE INLAND WETLAND BOUNDARY I DELINEATED AND I AM OF THE OPINION THAT THE WETLAND BOUNDARY IS SHOWN CORRECTLY ON THIS MAP.

IAN COLE  
SOIL SCIENTIST

## DEEP TEST PIT DATA

WITNESSED AND RECORDED BY CHERYL HAASE RS, LEDGE LIGHT HEALTH DISTRICT ON JULY 21, 2021.

LOCATION: 7 LORENZ INDUSTRIAL PARKWAY

TEST PIT 1  
0-8" TOPSOIL  
8-31" ORANGE-BROWN FINE SANDY LOAM  
31-84" LIGHT BROWN MED-FINE SAND/GRAVEL  
(LARGE BOULDERS THROUGHOUT)

NO MOTTLING  
NO GROUNDWATER  
NO LEDGE

TEST PIT 3  
0-16" TOPSOIL W/ LEAF DEBRIS  
16-22" ORANGE FINE SANDY LOAM  
22-80" TAN-GRAY SAND W/SILT (COMPACT)

MOTTLING AT 18"  
GROUNDWATER 80", SEEPAGE AT 26"  
NO LEDGE

### PERCOLATION TESTS

PERFORMED BY DIETER & GARDNER, INC. ON AUGUST 2, 2021.

PERC A

15" DEEP

| TIME  | READING |
|-------|---------|
| 10:31 | 0"      |
| 10:38 | 2 1/2"  |
| 10:41 | 4 1/2"  |
| 10:48 | 6 1/2"  |
| 10:51 | 7 1/2"  |
| 10:56 | 8 1/2"  |
| 11:01 | 9 1/2"  |
| 11:06 | 10 1/2" |
| 11:11 | 11 1/8" |

PERCOLATION RATE: 10.0 MIN./INCH

TEST PIT 2

0-10" TOPSOIL W/FINE ROOTS  
10-30" ORANGE FINE SANDY LOAM  
30-64" LIGHT BROWN MED-COARSE SAND/GRAVEL

NO MOTTLING  
NO GROUNDWATER  
NO LEDGE

TEST PIT 2  
0-12" TOPSOIL  
12-24" ORANGE FINE SANDY LOAM  
24-64" LIGHT BROWN MED-COARSE SAND/GRAVEL

NO MOTTLING  
NO GROUNDWATER  
LEDGE AT 64"

PERC B

15" DEEP

| TIME  | READING |
|-------|---------|
| 10:31 | 0"      |
| 10:38 | 4 1/2"  |
| 10:41 | 8 1/2"  |
| 10:46 | 11"     |
| 10:51 | 12"     |
| 10:56 | 13"     |
| 11:01 | 14"     |
| 11:06 | 15"     |

PERCOLATION RATE: 10.0 MIN./INCH

## EROSION & SEDIMENTATION CONTROL PLAN

TO BE IMPLEMENTED AND SHOWN ON INDIVIDUAL SITE PLANS

THIS PLAN HAS BEEN DEVELOPED TO MINIMIZE EROSION AND SEDIMENTATION AND REDUCE THE IMPACT OF STORM WATER RUNOFF DURING CONSTRUCTION USING ENGINEERING PRINCIPLES DETAILED IN THE CONNECTICUT GUIDELINES FOR SOIL AND EROSION AND SEDIMENT CONTROL.

THE ACCOMPANYING PLANS PROVIDE THE FOLLOWING INFORMATION FOR THE IMPLEMENTATION OF THIS PLAN:

- LOCATION OF SEDIMENT CONTROL BARRIERS
- FINISHED GRADES TO BE ACHIEVED
- CONSTRUCTION SEQUENCE AND DETAILS

THIS PROJECT IS FOR THE DEVELOPMENT OF A TWO LOT RESUBDIVISION. THERE ARE INLAND WETLANDS ON THIS PROPERTY.

THE TIME OF CONSTRUCTION PAUL BREGLIO (860)-250-0795 WILL SERVE AS CONTACT PERSON AND BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF EROSION & SEDIMENT CONTROL MEASURES EMPLOYED IN IMPLEMENTING ON THIS PLAN.

### CONSTRUCTION SEQUENCE:

- STAKEOUT LIMITS OF CONSTRUCTION FOR THE DRIVEWAY, PARKING AND BUILDING AREA.
- INSTALL SEDIMENTATION CONTROL BARRIERS AS SHOWN ON THE PLAN.
- ROUGH GRADE THE DRIVEWAY, PARKING AND BUILDING AREA.
- FOLLOWING CONSTRUCTION, FINISH GRADE ALL DISTURBED AREAS.
- LOAM AND SEED ALL DISTURBED AREAS.

### MAINTENANCE:

INSPECT SEDIMENT BARRIERS AFTER EACH STORM EVENT AND REPAIR OR REPLACE AS NECESSARY. CLEAN OUT OF ACCUMULATED SEDIMENT IS NECESSARY IF 1/2 OF THE ORIGINAL HEIGHT OF THE BARRIER BECOMES FILLED IN WITH SEDIMENT.

### GENERAL NOTES:

- MAINTAIN ALL SEDIMENT AND EROSION CONTROL FACILITIES UNTIL ALL AREAS HAVE BEEN STABILIZED.
- EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSIDERED AS TYPICAL MINIMUM STANDARDS. THE OWNER WILL BE RESPONSIBLE FOR INSTALLING AND MAINTENANCE OF EROSION AND SEDIMENT CONTROL AND FOR IMPLEMENTING ADDITIONAL MEASURES AS SITE CONDITIONS WARRANT.
- SLOPES IN HIGH MAINTENANCE AREAS SHALL NOT EXCEED 2:1 (H:V).

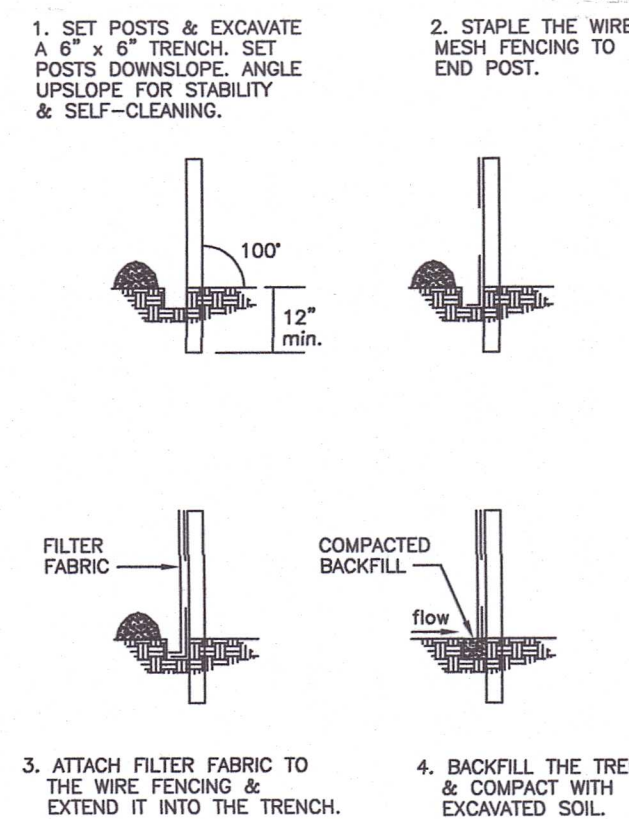
### TEMPORARY SEEDING:

USE A TEMPORARY VEGETATION COVER OF ANNUAL RYE GRASS AT A RATE OF 1.0 lbs./1000 S.F. APPLY 10-10-10 FERTILIZER, OR EQUIVALENT, AT A RATE OF 7.5 lbs./1000 S.F. AND LIMESTONE AT A RATE OF 90 lbs./1000 S.F. APPLY STRAW OR HAY MULCH AT A RATE OF 70 lbs./1000 S.F.

### PERMANENT SEEDING:

SEED BED PREPARATION: FINE GRADE AND RAKE SOIL SURFACE TO REMOVE STONES LARGER THAN 2" IN DIAMETER. APPLY LIMESTONE AT A RATE OF 90 lbs./1000 S.F. FERTILIZE WITH 10-10-10, OR EQUIVALENT, AT A RATE OF 7.5 lbs./1000 S.F. WORK LIMESTONE AND FERTILIZER INTO SOIL UNIFORMLY TO A DEPTH OF 4" WITH A HARROW OR EQUIVALENT. SEED APPLICATION: APPLY LAWN SEED BY HAND, CYCLONE SEEDER OR HYDROSEEDER. LIGHTLY DRAG OR ROLL THE SEED SURFACE TO COVER SEED. SEEDING SHOULD BE DONE BETWEEN APRIL 15 AND JUNE 15 OR BETWEEN AUGUST 15 AND SEPTEMBER 30. SEEDING CANNOT BE DONE DURING THESE TIMES. REPEAT MULCHING PROCEDURE BELOW UNTIL SEEDING CAN TAKE PLACE. NOTE: IF HYDROSEEDER IS USED, INCREASE SEED MIXTURE BY 10% MULCHING: IMMEDIATELY FOLLOWING SEEDING, MULCH THE SEED SURFACE WITH STRAW OR HAY AT A RATE OF 70 lbs./1000 S.F. SPREAD MULCH BY HAND OR MULCH BLOWER, PUNCH MULCH INTO SOIL SURFACE WITH TRACK MACHINE OR DISK HARROW.

IT IS ANTICIPATED THAT CONSTRUCTION WILL COMMENCE IN NOVEMBER 2021 AND BE COMPLETED IN FEBRUARY 2022.



SILT FENCE DETAIL

## PLAN SHOWING RESUBDIVISION AND

## DEEP TEST PIT DATA, PERCOLATION DATA AND EROSION AND SEDIMENT CONTROL NARRATIVE AND DETAILS

PROPERTY OF  
7 LORENZ LLC  
5 LORENZ INDUSTRIAL PARKWAY  
LEDYARD, CONNECTICUT

SCALE: 1"=40'

AUGUST 2021

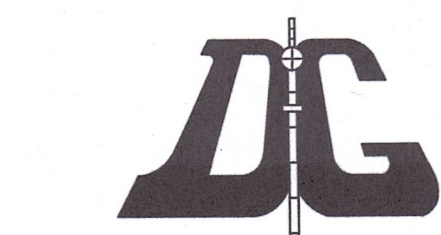
REVISED: DECEMBER 9, 2021

SHEET 2 OF 3

THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH SECTIONS 20-300b-1 THRU 20-300b-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES - MINIMUM STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. IT IS A BOUNDARY SURVEY BASED ON A RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS "D". TOPOGRAPHIC ACCURACY T-2. TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.

TITLE: LAND SURVEYOR CT No. 14208

DATE: AUGUST 26, 2021



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