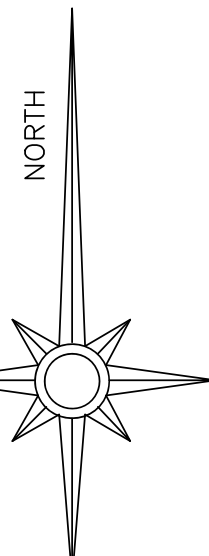




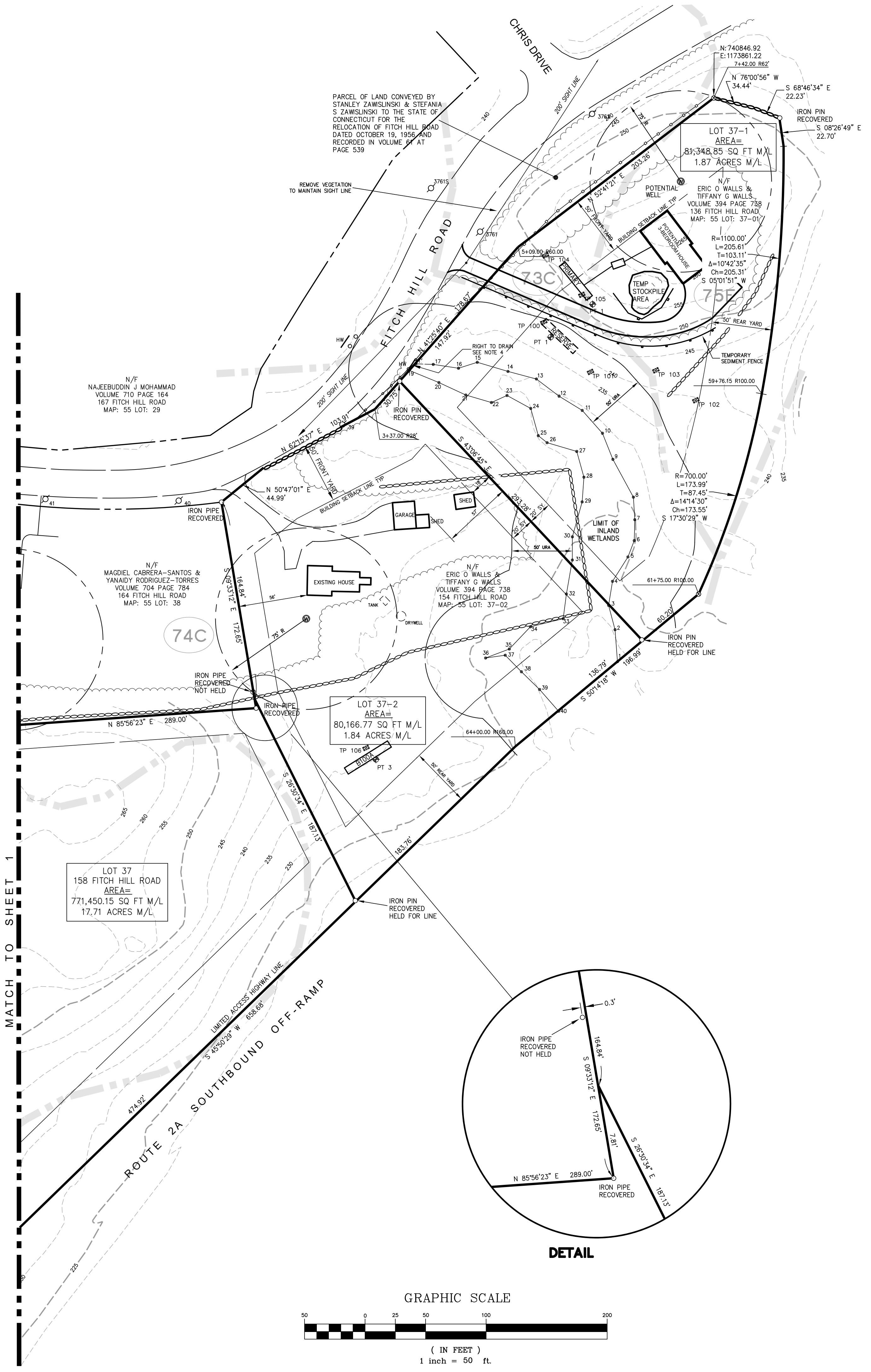
NOTES:

- 1. THIS PLAN AND THE SURVEY IT IS BASED ON HAVE BEEN PREPARED IN ACCORDANCE WITH THE REGULATIONS OF CONNECTICUT STATE AGENCIES...
2. REFERENCE IS MADE TO THE FOLLOWING TOWN OF MONTVILLE LAND EVIDENCE RECORDS:
WITH REGARDS TO 136 & 154 FITCH HILL ROAD...
WITH REGARDS TO 158 FITCH HILL ROAD...
3. THE SUBJECT PROPERTY IS LOCATED ENTIRELY WITHIN THE R-80 ZONE DISTRICT.
4. THE PROPERTIES SHOWN HEREON ARE SUBJECT TO, OR MAY BE BENEFITED BY THE FOLLOWING:
A. SEE VOLUME 43 AT PAGE 260 FOR A RIGHT OF WAY CONVEYED BY STANLEY & STEFANIA ZAWSUNSKI TO CONNECTICUT LIGHT AND POWER COMPANY DATED OCTOBER 19, 1931.
B. SEE VOLUME 61 AT PAGE 539 FOR RIGHTS TO DRAIN CONVEYED BY STANLEY ZAWSUNSKI & STEFANIA ZAWSUNSKI TO STATE OF CONNECTICUT OCTOBER 19, 1956.
5. BY GRAPHICAL DEPICTION ONLY, THIS PARCEL LIES WITHIN FLOOD HAZARD ZONE X AS SHOWN ON "NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP NEW LONDON COUNTY, CONNECTICUT, COMMUNITY: TOWN OF MONTVILLE, MAP NUMBER: 09011C0351G MAP EFFECTIVE: 8-5-2013, FEDERAL EMERGENCY MANAGEMENT AGENCY".
6. THE SUBJECT PROPERTIES ARE SHOWN ON THE TOWN OF MONTVILLE TAX ASSESSOR MAP AS FOLLOWS:
136 FITCH HILL ROAD - MAP: 55 LOT: 37-1
154 FITCH HILL ROAD - MAP: 55 LOT: 37-2
158 FITCH HILL ROAD - MAP: 55 LOT: 37
7. BEARINGS AND COORDINATES NOTED HEREON ARE REFERENCED TO THE CONNECTICUT STATE PLANE COORDINATE SYSTEM (NAD 83) EPOCH 2011 (2010.0). ELEVATIONS DEPICTED HEREON ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD83) TRANSFORMED FROM ELLIPSOID HEIGHT TO ORTHOMETRIC HEIGHT UTILIZING NGS2018 GEOID. AS DETERMINED BY GLOBAL POSITIONING SYSTEM (GPS) OBSERVATIONS UTILIZING THE STATE OF CONNECTICUT'S ADVANCED CONTINUOUSLY OPERATING REFERENCE NETWORK (ACORN) BASE STATION: CTGR, HAVING THE FOLLOWING VALUES:
LATITUDE = N41° 20' 07.3560"
LONGITUDE = W72° 02' 58.96923"
ELLIPSOID HEIGHT = -18.342 METERS
8. THIS PLAN REPRESENTS THE LOCATION OF THE BOUNDS AND SITE CONDITIONS DETERMINED BY FIELD SURVEY ON FEBRUARY 19, 2025. RECORD TITLE AND ADJOURN INFORMATION WAS OBTAINED FROM TAX ASSESSOR AND LAND EVIDENCE RECORDS ON FEBRUARY 19, 2025.
9. UNDERGROUND UTILITY, STRUCTURE AND FACILITY LOCATIONS DEPICTED AND NOTED HEREON HAVE BEEN COMPILED, IN PART, FROM RECORD MAPPING SUPPLIED BY THE RESPECTIVE UTILITY COMPANIES OR GOVERNMENTAL AGENCIES, FROM PAROLE TESTIMONY AND FROM OTHER SOURCES. THESE LOCATIONS MUST BE CONSIDERED AS APPROXIMATE IN NATURE. ADDITIONALLY, OTHER SUCH FEATURES MAY EXIST ON THE SITE, THE EXISTENCE OF WHICH ARE UNKNOWN TO JAMES BERNARDO LAND SURVEYING, LLC. THE LOCATION AND EXISTENCE OF ALL SUCH FEATURES MUST BE FIELD DETERMINED AND VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO CONSTRUCTION. CALL BEFORE YOU DIG 1-800-922-4455.
10. THE STATE HIGHWAY BOUNDARY FOR ROUTE 2A IS NOT BOUNDED, THE RIGHT OF WAY, AS SHOWN HEREON, WAS DETERMINED BY CONVERTING THE TAKING MAPS AND CONSTRUCTION DOCUMENTS CREATED IN MAD027 FORMAT AND CONVERTED TO NAD83 COORDINATES AND GEOMETRY.
11. THE INLAND WETLANDS SHOWN HEREON WERE DELINEATED IN THE FIELD BY JOSEPH THEROUX, CERTIFIED SOIL SCIENTIST.
MAP REFERENCES:
1. MONTVILLE, CONNECTICUT MAP SHOWING PORTION OF LAND OF HELEN Z. ROMANO SCALE 1"=40' APRIL 1999 BY THOMAS A. BRENNAN, JR., LAND SURVEYOR (MAP 1612).
2. TOWN OF MONTVILLE, CONNECTICUT EVERSOURCE ENERGY REAL ESTATE SURVEY RECORD MAP RIGHT OF WAY SURVEY MONTVILLE-WAWUCUS JUNCTION-CARD SS R.E. PROJECT #000-21.226A SHEET 3 OF 18 REVISED 8-2019.
3. CONNECTICUT STATE HIGHWAY DEPARTMENT PLAN FOR CONSTRUCTION OF THAMES RIVER BRIDGE AND APPROACHES (CONNECTICUT ROUTE 2A) IN THE TOWNS OF MONTVILLE AND PRESTON.
4. CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP TOWN OF MONTVILLE CONNECTICUT TURNPIKE FROM RAYMOND HILL ROAD NORTHERLY TO THEMONTVILLE-NORWICH TOWN LINE. SCALE: 1"=80' NUMBER 85-06 SHEET NO. 6 OF 7 SECTION 2.
5. TOWN OF MONTVILLE MAP SHOWING LAND TO BE ACQUIRED FROM STANLEY ZAWSUNSKI ET. AL. BY THE STATE OF CONNECTICUT THAMES RIVER BRIDGE & APPROACHES (LIMITED ACCESS HIGHWAY) SCALE 1"=40' SEPT. 1964.
6. TOWN OF MONTVILLE MAP SHOWING LAND & RIGHTS OF ACCESS ACQUIRED FROM STANLEY & STEFANIA S. ZAWSUNSKI BY THE STATE OF CONNECTICUT GREENWICH-KILLINGLY EXPRESSWAY. SCALE 1"=40' 1953 SUPP CHAPTER 107, PART IV MARCH 1955 TOWN NO. 85 PROJECT NO. 326-01 SERIAL NO. 24 SHEET 1 OF 1.



CONNECTICUT PUBLIC HEALTH CODE - 19-13-B104A COMPLIANCE
136 FITCH HILL ROAD
POTENTIAL 3-BEDROOM HOUSE WITH 1-10 MIN/N PERCOLATION RATE REQUIRES A MINIMUM 495 SQUARE FEET OF EFFECTIVE LEACHING AREA.
MLSS CALCULATION IS AS FOLLOWS:
BF=16
FF=1.5
PP=1.0
THEREFORE MLSS = 24LF
USE 36LF OF GST 6218 PROVIDING 14.0 SF EFFECTIVE LEACHING PER LINEAR FOOT THEREFORE 504 SQUARE FEET OF EFFECTIVE LEACHING AREA PROVIDED
154 FITCH HILL ROAD
EXISTING 4-BEDROOM HOUSE WITH 1-10 MIN/N PERCOLATION RATE REQUIRES A MINIMUM 495 + 82.5 = 577.5 SQUARE FEET OF EFFECTIVE LEACHING AREA
MLSS NEED NOT BE CONSIDERED, DEPTH TO RESTRICTIVE LAYER GREATER THAN 60"
USE 42LF OF GST 6218 PROVIDING 14.0 SF EFFECTIVE LEACHING PER LINEAR FOOT THEREFORE 588 SQUARE FEET OF EFFECTIVE LEACHING AREA PROVIDED
158 FITCH HILL ROAD
POTENTIAL 3-BEDROOM HOUSE WITH 10.1 TO 20 MIN/N PERCOLATION RATE REQUIRES A MINIMUM 675 SQUARE FEET OF EFFECTIVE LEACHING AREA
MLSS CALCULATION IS AS FOLLOWS:
BF=30
FF=1.5
PP=1.25
THEREFORE MLSS = 37.5LF
USE 50LF OF GST 6218 PROVIDING 14.0 SF EFFECTIVE LEACHING PER LINEAR FOOT THEREFORE 700 SQUARE FEET OF EFFECTIVE LEACHING AREA PROVIDED

LEGEND
THE FOLLOWING SYMBOLS/ABBREVIATIONS MAY APPEAR ON THIS DRAWING
AC ACRES
BF BASEMENT FLOOR
BIT BITUMINOUS
B/C/B CONCRETE
CONC CONCRETE
DIA DIAMETER
DB DISTRIBUTION BOX
EDP EDGE OF PAVEMENT
ELEV ELEVATION
FINISHED FIRST FLOOR
LF LINEAR FOOT
(MN) MINIMUM
M/L MORE OR LESS
N/F NOW OR FORMERLY
PVC POLY VINYL CHLORIDE
SCH40 SCHEDULE 40
S-44 SPOT ELEVATION
SF SQUARE FEET
TR TO REMAIN
HTB HIGH TIDE BUSH
SP SPARTINA PATENS
SA SPARTINA ALTERNIFLORA
TR TO BE REMOVED
TH THRESHOLD ELEVATION
TYP TYPICAL
V/F VERIFY IN FIELD
P-5 SOL PERC TEST LOCATION



PERCOLATION TEST DATA
DATE: 9/5/24
TEST HOLE #1, #2, #3
TIME, READING, RATE = 5 MIN/N

PERCOLATION TEST DATA
DATE: 9/5/24
TEST HOLE #108, #109, #110
TIME, READING, RATE = 2.5 MIN/N
SPECIAL CONDITIONS AND CONCLUSIONS table

PERCOLATION TEST DATA
DATE: 12/20/24
TEST HOLE # A, # B
TIME, READING, RATE = 5 MIN/N
PERCOLATION TEST #2
DATE: APRIL 17, 2025
TEST HOLE # A, # B
TIME, READING, RATE = 2.5 MIN/N
PERCOLATION TEST #3
DATE: APRIL 18, 2025
TEST HOLE # A, # B
TIME, READING, RATE = 6.6 MIN/N

DESIGN RECOMMENDATIONS/COMMENTS
DESIGN FLOW = 2000 GPD
PUBLIC WATER SUPPLY UNINTERFERED
PROBABLE HIGH GROUNDWATER
GROUND WATER +38 INCHES BELOW GRADE
SLOPE = 25%
PERC RATE < 1 MIN/IN
FIELD RATE = 15 MIN/IN (24" BELOW GRADE)
LIMITED SUITABLE AREA
OPEN WETLANDS OR WETLANDS
FLOOD PLAIN/SEASONAL FLOODING
CONCLUSIONS table

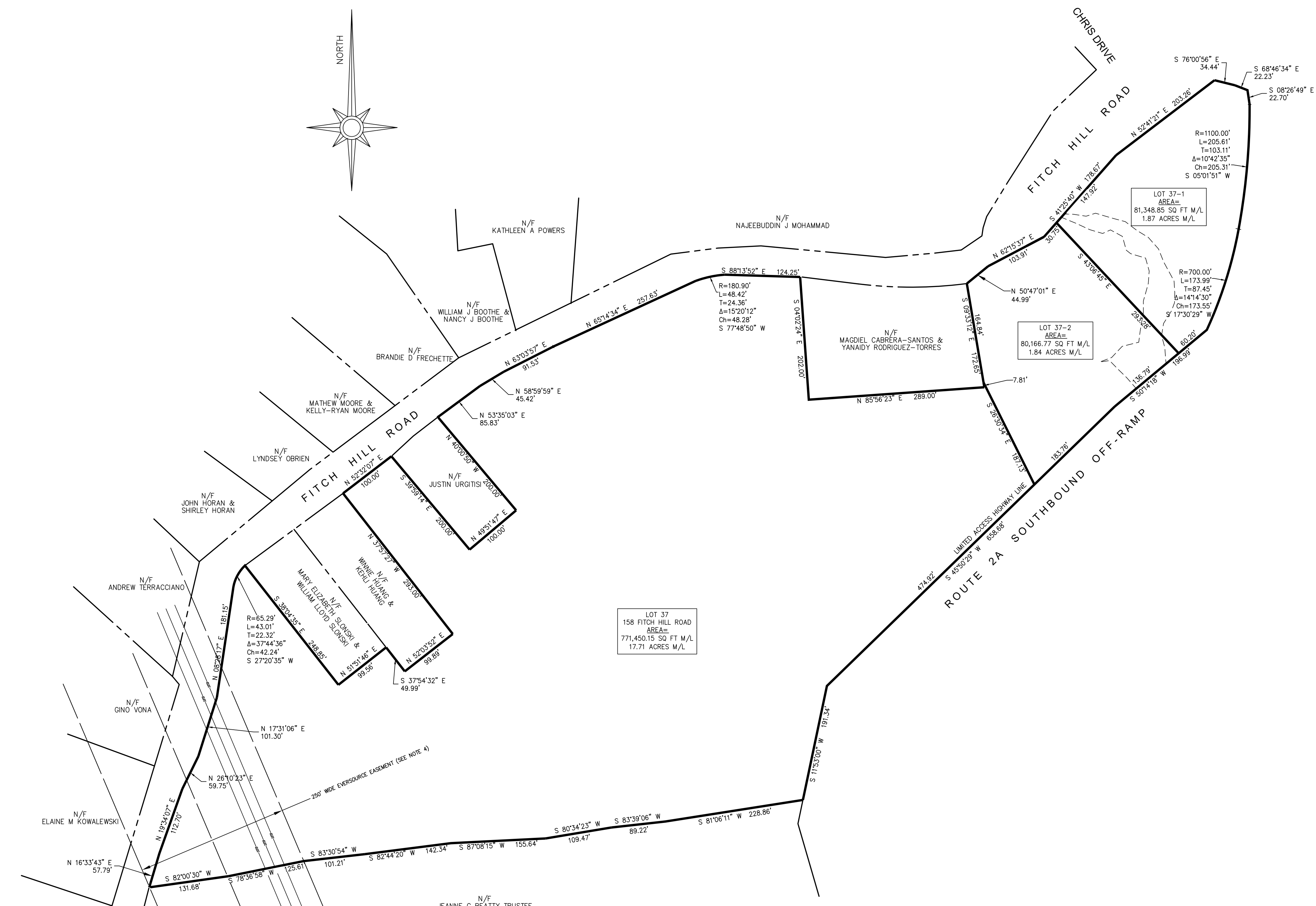
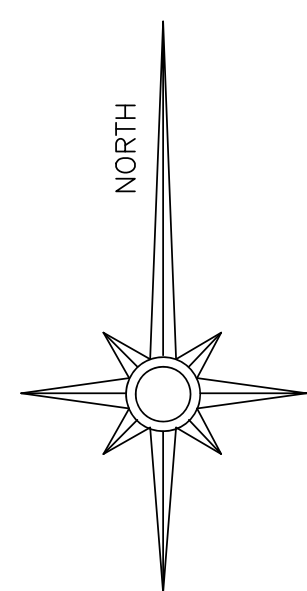
DESIGN RECOMMENDATIONS/COMMENTS
DESIGN FLOW = 2000 GPD
PUBLIC WATER SUPPLY UNINTERFERED
PROBABLE HIGH GROUNDWATER
GROUND WATER +38 INCHES BELOW GRADE
SLOPE = 25%
PERC RATE < 1 MIN/IN
FIELD RATE = 15 MIN/IN (24" BELOW GRADE)
LIMITED SUITABLE AREA
OPEN WETLANDS OR WETLANDS
FLOOD PLAIN/SEASONAL FLOODING
CONCLUSIONS table

GRAPHIC SCALE
( IN FEET )
1 inch = 50 ft

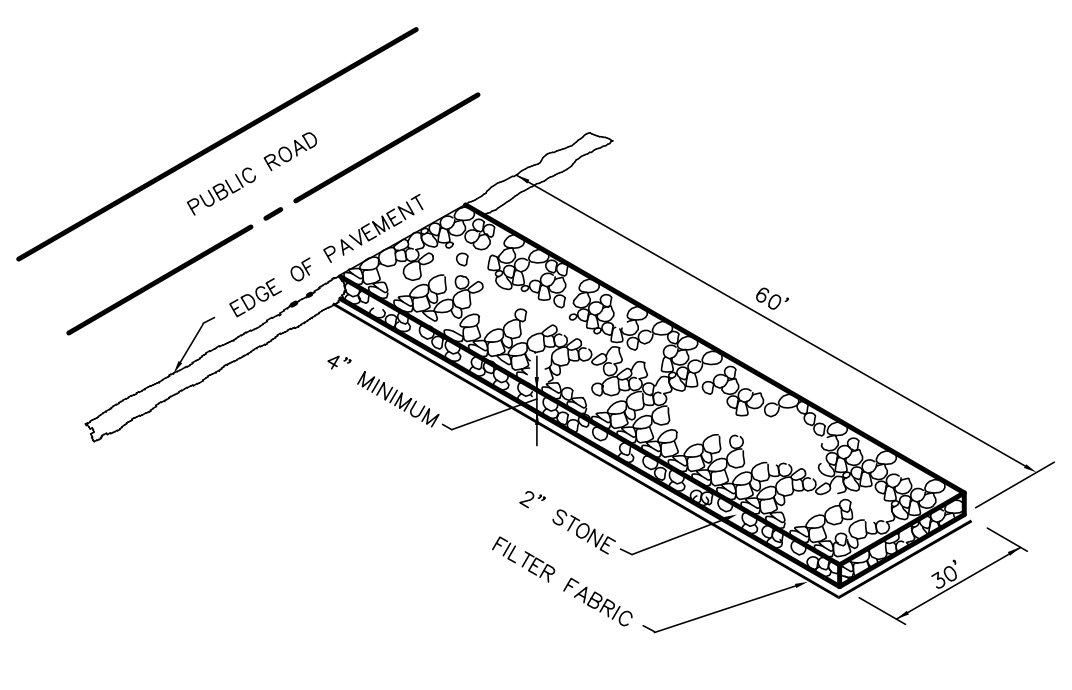
JAMES BERNARDO LAND SURVEYING, LLC
102A SPITHEAD ROAD
WATERFORD, CONNECTICUT 06385
(860) 447-0236
WWW.JBSURVEYING.COM

REVISIONS table with columns: LTR, DESCRIPTION, DATE

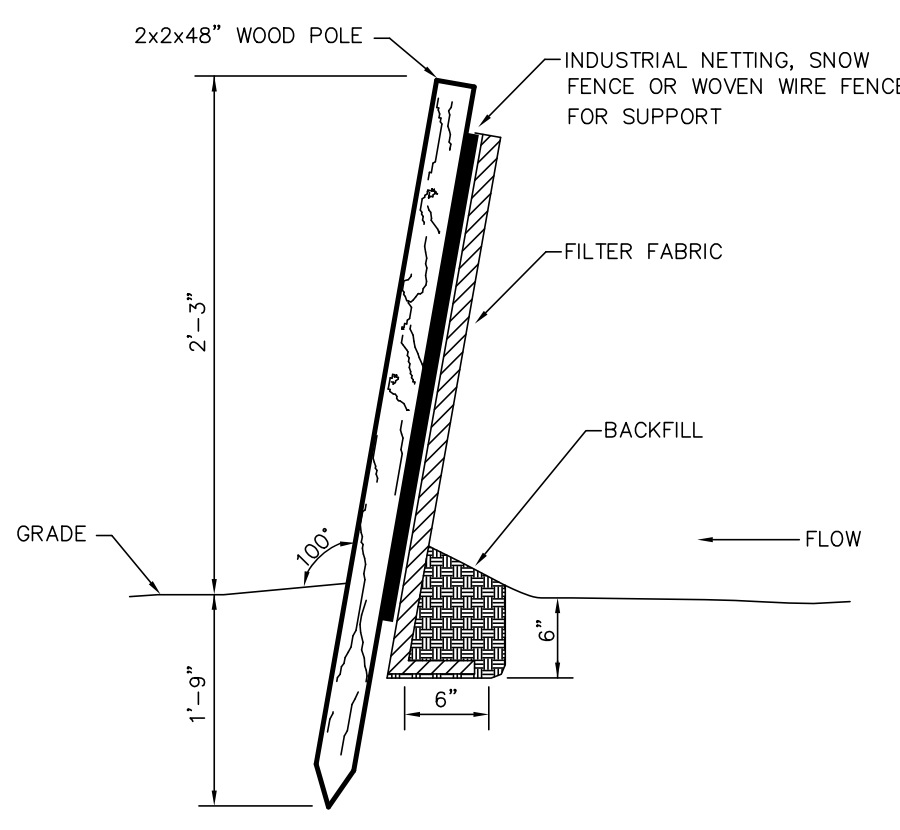
ROMANO SUBDIVISION
PROPERTY OF
HELEN Z. ROMANO ESTATE & ERIC O. & TIFFANY WALLS
FOR PROPERTY LOCATED AT 136, 154 & 158 FITCH HILL ROAD
TOWN OF MONTVILLE - COUNTY OF NEW LONDON - CONNECTICUT
Sheet No. S-02
SHEET 2 OF 3
Scale: 1" = 50'
Date: MAY 14, 2025
Project No. 24122-50



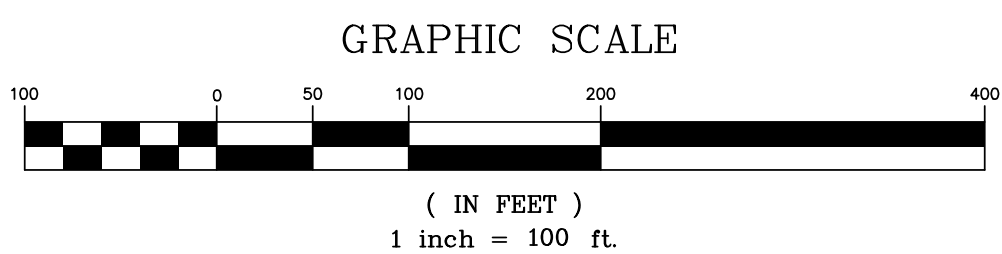
### OVERALL BOUNDARY



TEMPORARY CONSTRUCTION ENTRANCE  
NOT TO SCALE



SEDIMENT FENCE  
NOT TO SCALE



**LEGEND**  
THE FOLLOWING SYMBOLS/ABBREVIATIONS MAY APPEAR ON THIS DRAWING

|       |                                 |         |                    |
|-------|---------------------------------|---------|--------------------|
| AC    | ACRES                           | THB     | SOIL TEST LOCATION |
| BF    | BASEMENT FLOOR                  | W       | WATER              |
| BIT   | BITUMINOUS                      | WELL    | WELL               |
| BCLC  | BITUMINOUS CONCRETE LIP CURBING | HYDRANT | HYDRANT            |
| CONC  | CONCRETE                        |         |                    |
| DA    | DIAMETER                        |         |                    |
| DB    | DISTRIBUTION BOX                |         |                    |
| EDP   | EDGE OF PAVEMENT                |         |                    |
| ELEV  | ELEVATION                       |         |                    |
| FF    | FINISHED FIRST FLOOR            |         |                    |
| LF    | LINEAR FOOT                     |         |                    |
| (M/N) | MINIMUM                         |         |                    |
| M/L   | MORE OR LESS                    |         |                    |
| N/F   | NOW OR FORMERLY                 |         |                    |
| PVC   | POLY VINYL CHLORIDE             |         |                    |
| SCH40 | SCHEDULE 40                     |         |                    |
| S-4   | SPOT ELEVATION                  |         |                    |
| SF    | SQUARE FEET                     |         |                    |
| TR    | TO REMAIN                       |         |                    |
| HTB   | HIGH TIDE BUSH                  |         |                    |
| SP    | SPARTINA PATENS                 |         |                    |
| SA    | SPARTINA ALTERNIFLORA           |         |                    |
| TBR   | TO BE REMOVED                   |         |                    |
| TH    | THRESHOLD ELEVATION             |         |                    |
| TYP   | TYPICAL                         |         |                    |
| WF    | TOP OF WALL ELEVATION           |         |                    |
| VF    | VERIFY IN FIELD                 |         |                    |
| P-5   | SOIL PERC TEST LOCATION         |         |                    |

### UTILITY

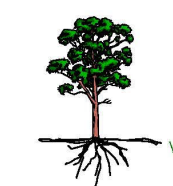
- ELECTRIC AND TELEPHONE SERVICE WILL BE PROVIDED IN ACCORDANCE WITH THE REQUIREMENTS OF NORTHEAST UTILITIES AND SOUTHERN NEW ENGLAND TELEPHONE COMPANY. POLE LOCATION TO BE DETERMINED BY UTILITY COMPANIES IF NECESSARY.
- ALL UTILITIES ARE TO BE INSTALLED UNDERGROUND. ELECTRIC AND TELEPHONE SERVICES ARE TO BE COORDINATED WITH APPLICABLE UTILITY COMPANIES.
- CALL BEFORE YOU DIG, AT 1-800-922-4455, WILL BE CONTACTED PRIOR TO INITIATION OF THIS PROJECT.

### WATER

- WATER SUPPLY WILL BE FROM INDIVIDUAL ON-SITE WELLS.

### CONSTRUCTION SEQUENCE FOR SOIL EROSION AND SEDIMENT CONTROLS:

- INSTALL ALL TEMPORARY CONSTRUCTION ENTRANCES, SEDIMENT FENCES AND/OR HAY BALE BARRIERS AS SHOWN ON THIS PLAN.
- CLEAR TREES, SHRUBS AND BRUSH IN AREAS WHERE GRADING WILL BE REQUIRED AND GRUB AREAS TO REMOVE ALL STUMPS, ROOTS, ETC. DISPOSE OF ALL MATERIAL CLEARED AND GRUBBED OFF SITE.
- REMOVE AND STOCKPILE ALL TOPSOIL ON SITE AND PROVIDE A SEDIMENT FENCE ON THE DOWNSLOPE SIDE. SEED STOCKPILE WITH PERENNIAL RYEGRASS AT A RATE OF 40 POUNDS PER ACRE AND MULCH WITH HAY OR STRAW.
- EXCAVATE AND/OR FILL WORK SITE TO SUBGRADE LEVEL. FILL WILL BE PLACED AND COMPACTED IN 8 INCH LIFTS AND SHALL BE FREE OF BRUSH, RUBBISH, LOGS, BUILDING DEBRIS, OR ANY OTHER OBJECTIONABLE MATERIAL. MOISTEN SOIL SURFACE PERIODICALLY WITH WATER TO MINIMIZE DUST.
- CONSTRUCT BUILDINGS AND INSTALL UTILITIES. ADD EROSION CONTROL DEVICES AS NEEDED.
- ALL DISTURBED AREAS NOT COVERED BY BUILDINGS, AND DRIVEWAYS SHALL BE GRADED AND STABILIZED AS FOLLOWS:
  - PLACE MINIMUM 4 INCHES OF TOPSOIL IN ALL AREAS. APPLY LIMESTONE AND FERTILIZER IN ACCORDANCE WITH SOIL TEST RECOMMENDATIONS.
  - APPLY RECOMMENDED SEED MIXTURE AT RECOMMENDED RATE.
  - APPLY STRAW OR HAY MULCH ON ALL SEEDED AREAS.
  - SEEDING SHOULD TAKE PLACE BETWEEN APRIL 1 AND JUNE 15 OR AUGUST 15 AND SEPTEMBER 30. IF OUTSIDE THESE PERIODS, AREAS SHALL BE STABILIZED WITH STRAW OR HAY MULCHING AT A RATE OF 90 POUNDS PER 1000 SQUARE FEET.
  - ALL GRADED AREAS WITH SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL SHALL BE STABILIZED WITH JUTE NETTING.
- WHEN ALL GRADED AREAS ARE PERMANENTLY STABILIZED, REMOVE ALL EROSION AND SEDIMENT CONTROLS. REMOVE TRAPPED SEDIMENT.
- IT SHALL BE THE RESPONSIBILITY OF THE APPLICANT TO ENSURE PROPER IMPLEMENTATION OF THE SOIL EROSION AND SEDIMENT CONTROLS AS SHOWN ON THIS PLAN, AND SHALL INCLUDE BUT NOT BE LIMITED TO: INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES OF SUCH REQUIREMENTS AND NOTIFICATION OF ANY TRANSFER OF THIS RESPONSIBILITY TO OTHER PARTIES.
- RECOMMENDED SEED MIXTURE: FUTURA 2000 BY THE CHAS. C. HART CO. CONTAINING THE FOLLOWING VARIETIES OF PERENNIAL RYEGRASSES: FIESTA II, BLAZER II, DASHER II AND EXPRESS. A SEEDING RATE OF 5 - 7 LBS PER 1000 SF IS RECOMMENDED.



**JOSEPH R. THEROUX**  
Certified Forester & Soil Scientist  
Phone: 860-420-7925 • Fax: 860-270-0842  
420 SHILOHCKEY TURNPIKE, VOLUNTOON, CT 06384  
FORESTRY SERVICES • WETLAND IMPACT ASSESSMENTS  
WETLAND DELINEATIONS AND PERMITTING • E-FAST/SITE MONITORING  
WETLAND FUNCTION VALUE ASSESSMENTS

2/13/2025  
MR. JIM BERNARDO  
BERNARDO SURVEYING LLC  
102A SPITHEAD ROAD  
WATERFORD, CT 06385  
RE: WETLAND DELINEATION, 136, 154, & 158 FITCH HILL RD, MONTVILLE, CT.  
DEAR MR. BERNARDO,  
AT YOUR REQUEST I HAVE DELINEATED THE INLAND WETLANDS AND WATERCOURSE ON THE ABOVE REFERENCED PROPERTIES.  
THESE WETLANDS HAVE BEEN DELINEATED IN ACCORDANCE WITH THE STANDARDS OF THE NATIONAL COOPERATIVE SOIL SURVEY AND THE DEFINITIONS OF WETLANDS AS FOUND IN THE CONNECTICUT STATUTES, CHAPTER 440, SECTIONS 22A-28B.  
FLUORESCENT PINK FLAG WITH A CORRESPONDING LOCATION NUMBER DELINEATE THE BOUNDARY OF THE UPLANDS AND WETLANDS/WATERCOURSE.  
FLAG SERIES WF-1 THROUGH WF-40 DELINEATE THE BOUNDARY OF A PALUSTRINE FORESTED WETLAND AND INTERMITTENT WATERCOURSE FOUND IN THE EASTERN PORTION OF THE ABOVE REFERENCED PROPERTIES.  
THESE WETLAND SOILS HAVE FORMED FROM THE PERSISTENT WETNESS DUE TO THE HIGH SEASONAL WATER TABLES AND GROUND WATER BREAKOUT.  
THEY ARE CHARACTERIZED BY THICK ORGANIC "A" HORIZONS, SHALLOW REDOXIMORPHIC FEATURES AND LOW CHROMA COLORS WITHIN 20 INCHES OF THE SOIL SURFACE.  
THE REMAINDER OF THE PROPERTIES WERE INSPECTED FOR THE PRESENCE OF INLAND WETLANDS AND WATERCOURSES AND NONE WERE FOUND.  
IN CONCLUSION, IF YOU HAVE ANY QUESTIONS CONCERNING THE DELINEATION OR THIS REPORT, PLEASE FEEL FREE TO CONTACT ME.  
THANK YOU.  
**Joseph R. Theroux**  
JOSEPH R. THEROUX  
CERTIFIED SOIL SCIENTIST  
MEMBER SSSSNE, NS/CSS, SSSA.

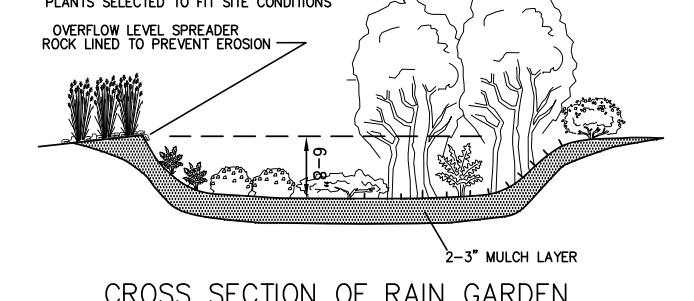
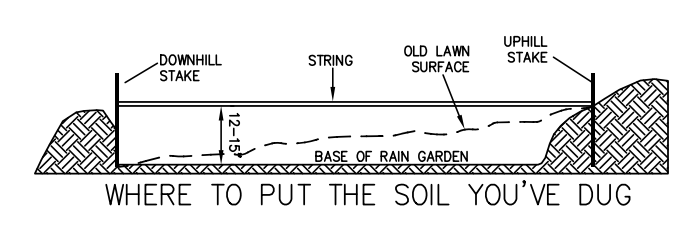
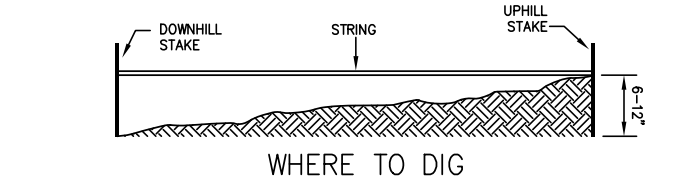
### SUGGESTED PLANT LIST FOR CONNECTICUT RAIN GARDENS

|   |   |  |
|---|---|--|
| <b>PERENNIALS</b>                                     | <b>PERENNIALS</b>   | <b>PERENNIALS</b>                                      |
| A. SWAMP MILKWEED ( <i>ASCLEPIAS INCARNATA</i> )      | F. ROSE MALLOW ( <i>HIBISCUS MOSCHEutos</i> )             | K. CINNAMON FERN ( <i>OSMUNDA CINNAMOMEA</i> )         |
| B. NEW YORK ASTER ( <i>ASTER NOVAE-BELGII</i> )       | G. RIVER IRIS ( <i>IRIS VERSICOLOR</i> )                  | L. ROYAL FERN ( <i>OSMUNDA REGALIS</i> )               |
| C. ASTILBE ( <i>ASTILBE SPP.</i> )                    | H. CARDINAL FLOWER ( <i>LOBELIA CARDINALIS</i> )          | M. MARSH FERN ( <i>PHELIPPSII PALUSTRIS</i> )          |
| D. TICKSEED SUNFLOWER ( <i>HELIOPSIS ARISTATA</i> )   | I. SPINEL GAY FEATHER ( <i>LIASTRIS SPICATA</i> )         | N. SPIDERWORT ( <i>TRICHOCLASMA VIRGINIANA</i> )       |
| E. JOE PEE WED ( <i>SPATORIUM FISTULOSUM</i> )        | J. SENSITIVE FERN ( <i>ONOCLEA SENSIBILIS</i> )           | O. BLACK-EYED SUSAN ( <i>RHICNETHA BIRTA</i> )         |
| <b>GRASSES</b>  | <b>GRASSES</b>  | <b>GRASSES</b>   |
| P. CREEPING BENTGRASS ( <i>AGROSTIS STOLONIFERA</i> ) | S. TUSSOCK SEDGE ( <i>CAREX STRICTA</i> )                 | U. SWITCH GRASS ( <i>PANICUM VIRGATUM</i> )            |
| Q. MEADOW FORTAL ( <i>ALOPECURUS PRATENSIS</i> )      | T. TUFTED HAIR GRASS ( <i>DESCHAMPSIA CAESPITOSA</i> )    | V. RIBBON GRASS ( <i>PHALARIS ARUNDINACEA</i> )        |
| R. BLUE JOINT ( <i>CAULMOGROSTIS CANADENSIS</i> )     |   |  |
| <b>SHRUBS</b>   | <b>SHRUBS</b>   | <b>SHRUBS</b>  |
| 1. RED CHOKEBERRY ( <i>ARONIA ARBUTIFOLIA</i> )       | 9. SPICEBUSH ( <i>LINDERA AESTIVAE BENZONI</i> )          | 14. HIGHBUSH BLUEBERRY ( <i>VACCINIUM CORYMBOSUM</i> ) |
| 2. BUTTERNUT ( <i>CEPHALANTHUS OCCIDENTALIS</i> )     | 10. PINKERBLOOM AZALEA ( <i>RHOODODENDRON</i> )           | 15. WITHERED ( <i>VERBONUM CASSINOIDES</i> )           |
| 3. SUMMERSWEET ( <i>OLETHRA GLETERIA ALABAMA</i> )    | 11. SWAMP AZALEA ( <i>RHOODODENDRON VISCOSUM</i> )        | 16. ARROWWOOD ( <i>VERBONUM GENTIANA</i> )             |
| 4. SILKY DOGWOOD ( <i>CORNUS AMOMICA</i> )            | 12. ELOBERRY ( <i>SAMBUCUS CANADENSIS</i> )               | 17. NANNYBERRY ( <i>VERBONUM LENTAGO</i> )             |
| 5. GRAY DOGWOOD ( <i>CORNUS RAGENSIS</i> )            | 13. LOWBUSH BLUEBERRY ( <i>VACCINIUM ANGUSTRIFOLIUM</i> ) | 18. BLACK HAW ( <i>VERBONUM PRINIFOLIUM</i> )          |
| 6. RED OSER DOGWOOD ( <i>CORNUS SERICEA</i> )         |   | 19. AMERICAN CHERRYBERRY ( <i>VERBONUM THOLOBIUM</i> ) |
| 7. INKBERY ( <i>ILEX GLABRA</i> )                     |   |  |
| 8. WINTERBERRY ( <i>ILEX VERTICILLATA</i> )           |   |  |

ONE OR MORE TREES CAN BE ADDED TO A RAIN GARDEN, DEPENDING UPON ITS SIZE. CAUTION SHOULD BE USED THOUGH AS A TREE CAN QUICKLY TAKE OVER THE GARDEN AND CREATE A DIFFERENT LOOK. REMEMBER, MOST TREES WILL GROW LARGE UNLESS THEY ARE PURPOSEFULLY KEPT SMALL. IF A TREE IS DESIRED, THE FOLLOWING TYPES ARE RECOMMENDED:

|  |  |   |
|--|--|---|
| <b>TREES</b>                                   | <b>TREES</b>                                   | <b>TREES</b>                                  |
| 20. RIVER BIRCH ( <i>BETULA NEGRA</i> )        | 23. SWAMP WHITE OAK ( <i>QUERCUS BICOLOR</i> ) | 26. COTTONWOOD ( <i>POPULUS DELTOIDES</i> )   |
| 21. RED MAPLE ( <i>ACER RUBRUM</i> )           | 24. PIN OAK ( <i>QUERCUS PALAUSTRIS</i> )      | 27. SHADLOW ( <i>AMELANCHIER SPP.</i> )       |
| 22. SWEETGUM ( <i>LIQUIDAMBAR STRACIFLUA</i> ) | 25. LARCH ( <i>LARIX LARicina</i> )            | 28. SHADLOW ( <i>FRAXINUS PENNSYLVANICA</i> ) |

- NOTES:
- ADDITIONAL PLANTS MAY BE SUBSTITUTED FOR THOSE LISTED ABOVE WITH MUNICIPAL APPROVAL.
  - CALL BEFORE YOU DIG 1-800-922-4455.



THE RAIN GARDENS ARE SIZED TO ACCOMMODATE THE FIRST 1" OF RAINFALL FROM THE IMPERVIOUS DRIVEWAY SURFACE.  
RAIN GARDENS ARE SIZED AS FOLLOWS:

**158 FITCH HILL ROAD**  
2,600 SQ FT DRIVEWAY x 1.3 INCH OF RAINFALL REQUIRES 281 CUBIC FEET OF STORAGE THEREFORE, A 30" X 16" RAIN GARDEN WILL PROVIDE 316 CUBIC FEET OF VOLUME BASED ON A MINIMUM 8" DEPTH.

**136 FITCH HILL ROAD**  
THE DRIVEWAY SHALL BE DESIGNED TO SHEET FLOW RUNOFF ACROSS THE SOUTH SIDE OF THE DRIVEWAY ALLOWING THE RUNOFF TO OVERLAND FLOW TO THE WETLANDS. NO INCREASE IN RUN-OFF IS PERMITTED UNTO FITCH HILL ROAD.

**JAMES BERNARDO**  
LAND SURVEYING, LLC  
102A SPITHEAD ROAD  
WATERFORD, CONNECTICUT 06385  
(860) 447-0236  
WWW.JBSURVEY.COM



NOTICE: THESE DOCUMENTS ARE PROTECTED UNDER A PATENT AND COPYRIGHT. ANY REPRODUCTION OR TRANSMISSION OF ANY INFORMATION CONTAINED HEREON, SHALL NOT BE DUPLICATED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF THE SURVEYOR. THESE DOCUMENTS SHALL REMAIN THE PROPERTY OF THE SURVEYOR.

| REV | DESCRIPTION                      | DATE      |
|-----|----------------------------------|-----------|
| B   | RAIN GARDEN CALCULATIONS UPDATED | 8-19-2025 |
| A   | NO REVISIONS TO THIS SHEET       | 7-1-2025  |

### REVISIONS

ROMANO SUBDIVISION  
PROPERTY OF  
**HELEN Z. ROMANO ESTATE & ERIC O. & TIFFANY WALLS**  
FOR PROPERTY LOCATED AT  
**136, 154 & 158 FITCH HILL ROAD**  
TOWN OF MONTVILLE - COUNTY OF NEW LONDON - CONNECTICUT

Sheet No.  
**S-03**  
SHEET 3 OF 3  
Scale:  
**1" = 100'**  
Date  
**MAY 14, 2025**  
Project No.  
**24122-50**