MEYERS SUBDIVISION

DANIEL ST & YOUNG STREET
EAST HAMPTON, CONNECTICUT

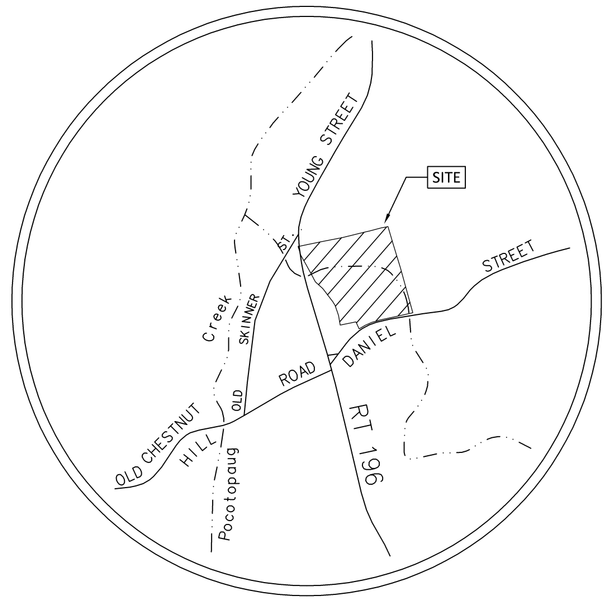
PREPARED FOR

CONNECTICUT CONTRACTORS GROUP, LLC
1 DAY POINT ROAD, UNIT 20
EAST HAMPTON, CT,

LEGEND:

These standard symbols will be found in the drawing.

- PROPERTY LINE
- BUILDING SETBACK LINE
- LIMIT OF CONSERVATION EASEMENT
- STONE WALL
- CLEARING LIMIT
- 320 EXISTING CONTOURS
- 320 PROPOSED CONTOURS
- PROPOSED UNDERGROUND UTILITIES
- SILT FENCE
- ANGLE POINT
- IRON PIN OR PIPE FOUND
- MONUMENT FOUND
- TP #1 TEST PIT LOCATION
- PT #1 PERCOLATION HOLE LOCATION
- UTILITY POLE
- EXISTING PARKING LOT LIGHT
- PROPOSED PARKING LOT LIGHT
- TFW TOP OF FOUNDATION WALL
- GTD GRADE TO DRAIN
- FBF FINISHED BASEMENT FLOOR
- GFLR GARAGE FLOOR



LOCATION MAP

SCALE 1"=1,000'

TABLE OF CONTENTS

SHEET G–1.01	COVER
SHEET V–1.01	BOUNDARY SURVEY
SHEET V–2.01	SUBDIVISION PLAN
SHEET C–1.01	LOT DEVELOPMENT PLAN
SHEET C–2.01	COMMON DRIVEWAY PROFILE & DETAILS
SHEET E–1.01	EROSION CONTROL PLAN
SHEET D–1.01	SITE DETAILS
SHEET D–1.02	SOIL INFORMATION

APPROVED
PLANNING AND ZONING COMMISSION
EAST HAMPTON, CT

DATE: _____

SIGNED: _____

ROB HELLSTROM
LAND SURVEYING LLC
32 MAIN STREET
HEBRON, CT., 06248
(860) 228-9853
(860) 228-1360 (FAX)
hellstromsurveying@yahoo.com
www.hellstromlandsurveying.com

Mailing Address:
P.O. BOX 497
COLUMBIA, CT. 06237-0497

Designed By: MAR
Drawn By: MAR
Checked By:
CAD File: 20042

Drawing Scale: AS NOTED
Drawing date: 7/14/2020

Rev.	Date	Revision	By

COVER

PROJECT TITLE: MEYERS SUBDIVISION
DANIEL STREET
EAST HAMPTON, CT

PREPARED FOR: CT CONTRACTORS GROUP, LLC
1 DAY POINT RD, UNIT 20
EAST HAMPTON, CT

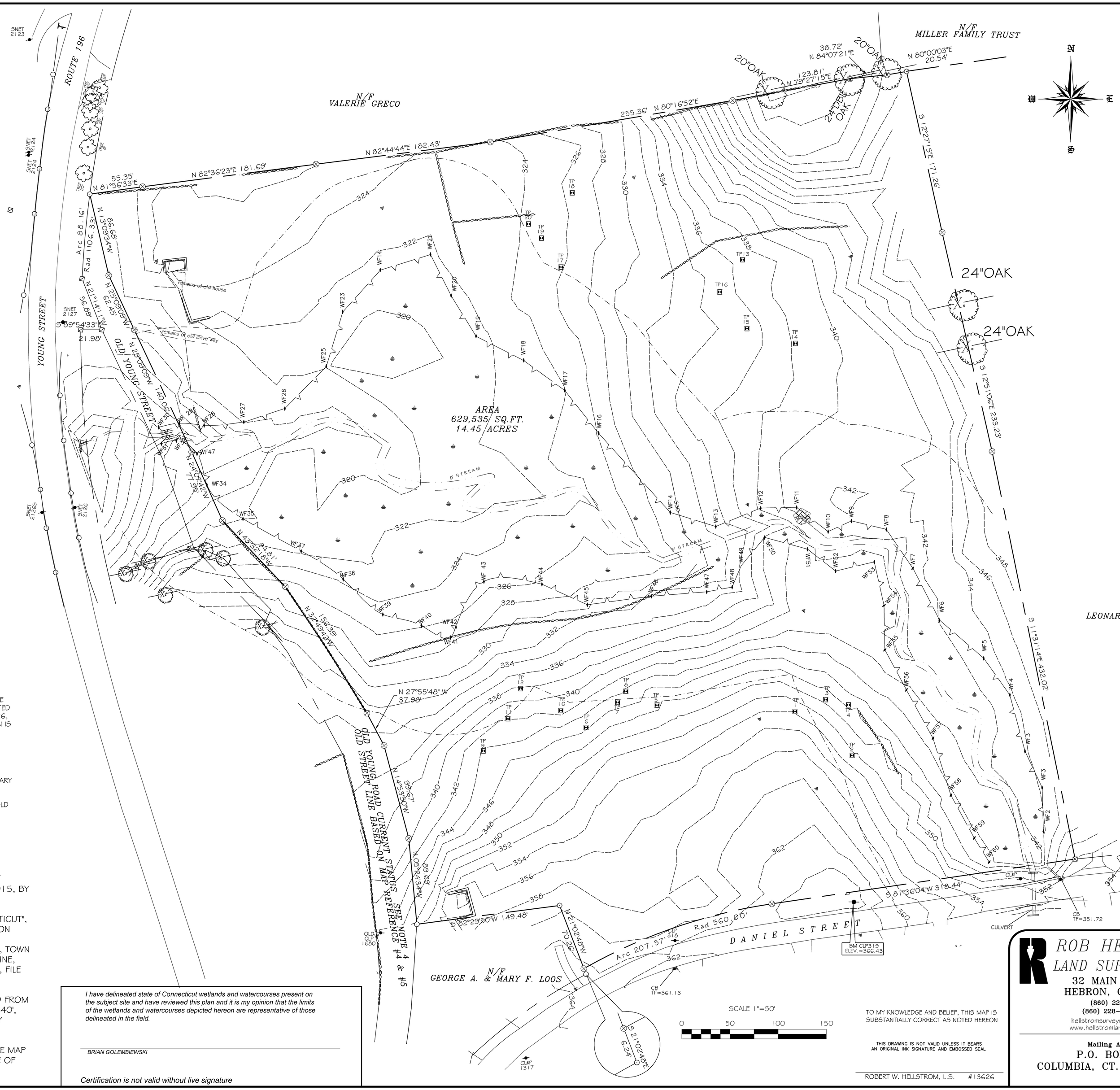
CIVIL ENGINEERING CONSULTANTS
68 BOGG LANE
LEBANON, CT
(860) 4657419
RES
Reynolds Engineering Services, LLC

Drawing #: G–1.01

Job #: 20042.00

LEGEND

- PROPERTY LINE
- BUILDING LINE
- STONE WALL
- WIRE FENCE
- SILT FENCE OR HAY BALES
- 500 EXISTING CONTOUR
- EDGE WOODS OR CLEARING
- TREE WITH WIRE
- FENCE POST WITH WIRE
- ANGLE POINT
- IRON PIN OR PIPE FOUND
- MONUMENT FOUND
- DRILL HOLE FOUND
- IRON PIN TO BE SET 5/8" REBAR
- MONUMENT TO BE SET
- DRILL HOLE TO BE SET
- SURVEYOR CONTROL POINT
- 100' WETLAND REVIEW LINE
- EXISTING WETLANDS LIMITS



MAP STANDARD NOTES

1. THIS SURVEY (OR MAP) HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THRU 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996; THE TYPE OF SURVEY IS A BOUNDARY SURVEY. BOUNDARY DETERMINATION IS BASED ON A RESURVEY OF PROPERTY AND CONFORMS TO THE 'A-2' CLASS OF ACCURACY.
2. TOPOGRAPHIC FEATURES, IF SHOWN HEREON, WERE PREPARED IN ACCORDANCE WITH CLASS T-2 .
3. THE INTENDED PURPOSE OF THIS MAP/SURVEY IS TO SHOW THE EXISTING BOUNDARY AND TOPOGRAPHY CONDITIONS.
4. AFTER REVIEW OF TOWN RECORDS NO ACTION FOUND ON CURRENT STATUS OF OLD ROAD. NO APPARENT CURRENT USE OF OLD ROAD AT THIS TIME.
5. HORIZONTAL AND VERTICAL CONTROL IS NAD83 & NAVD88 MONUMENTS 2948 & 6457

MAP REFERENCE:

1. "SUBDIVISION LAND OF VALERIE GRECO, 42 YOUNG STREET, EAST HAMPTON, CONNECTICUT", SCALE 1"=60', DATED SEPTEMBER 2015, BY SWAMP YANKEE SERVICE, LLC.,
2. "PROPERY OF GIEMZA ET.AL., TOWN OF EAST HAMPTON, CONNECTICUT", SCALE 1"=60', DATED JANUARY 22, 1985, BY RICHARD J. ZIEBRON
3. "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP, TOWN OF EAST HAMPTON, YOUNG STREET, FROM THE HADDAM TOWN LINE, NORTHERLY ABOUT 18,900 FEET ROUTE NO.196", SCALE 1"=40', FILE NO.03120, SHEET 7 OF 7, DATED JANUARY 31,1941.
4. TOWN OF EAST HAMPTON, MAP SHOWING LAND TO BE ACQUIRED FROM JOSEPH BERGMAN, EAST HAMPTON-LEESVILLE ROAD", SCALE 1"=40', VOL.41, PAGE15A, DATED MAY 2, 1929, BY THE STATE HIGHWAY COMMISSION.
5. "OLD YOUNG STREET AND DANIEL STREET AS-BUILT & PLAN PROFILE MAP FOR THE TOWN OF EAST HAMPTON, CONNECTICUT, BY THE STATE OF CONNECTICUT CIRCA 1929".

I have delineated state of Connecticut wetlands and watercourses present on the subject site and have reviewed this plan and it is my opinion that the limits of the wetlands and watercourses depicted hereon are representative of those delineated in the field.

BRIAN GOLEMBIEWSKI

Certification is not valid without live signature

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

THIS DRAWING IS NOT VALID UNLESS IT BEARS AN ORIGINAL INK SIGNATURE AND EMBOSSED SEAL

ROBERT W. HELLSTROM, L.S. #13626

ROB HELLSTROM LAND SURVEYING LLC
32 MAIN STREET
HEBRON, CT., 06248
(860) 228-9853
(860) 228-1360 (FAX)
hellstromsurveying@yahoo.com
www.hellstromlandsurveying.com

Mailing Address:
P.O. BOX 497
COLUMBIA, CT. 06237-0497

Designed By: MAR
Drawn By: MAR
Checked By:
CAD File: 20042

Drawing Scale: 1"=50'

Rev.	Date	Revision	By

Drawing date: 7/14/2020

BOUNDARY & TOPOGRAPHY SURVEY

PROJECT TITLE: MEYERS SUBDIVISION
DANIEL STREET EAST HAMPTON, CT

PREPARED FOR: CT CONTRACTORS GROUP, LLC
DANIEL STREET EAST HAMPTON, CT

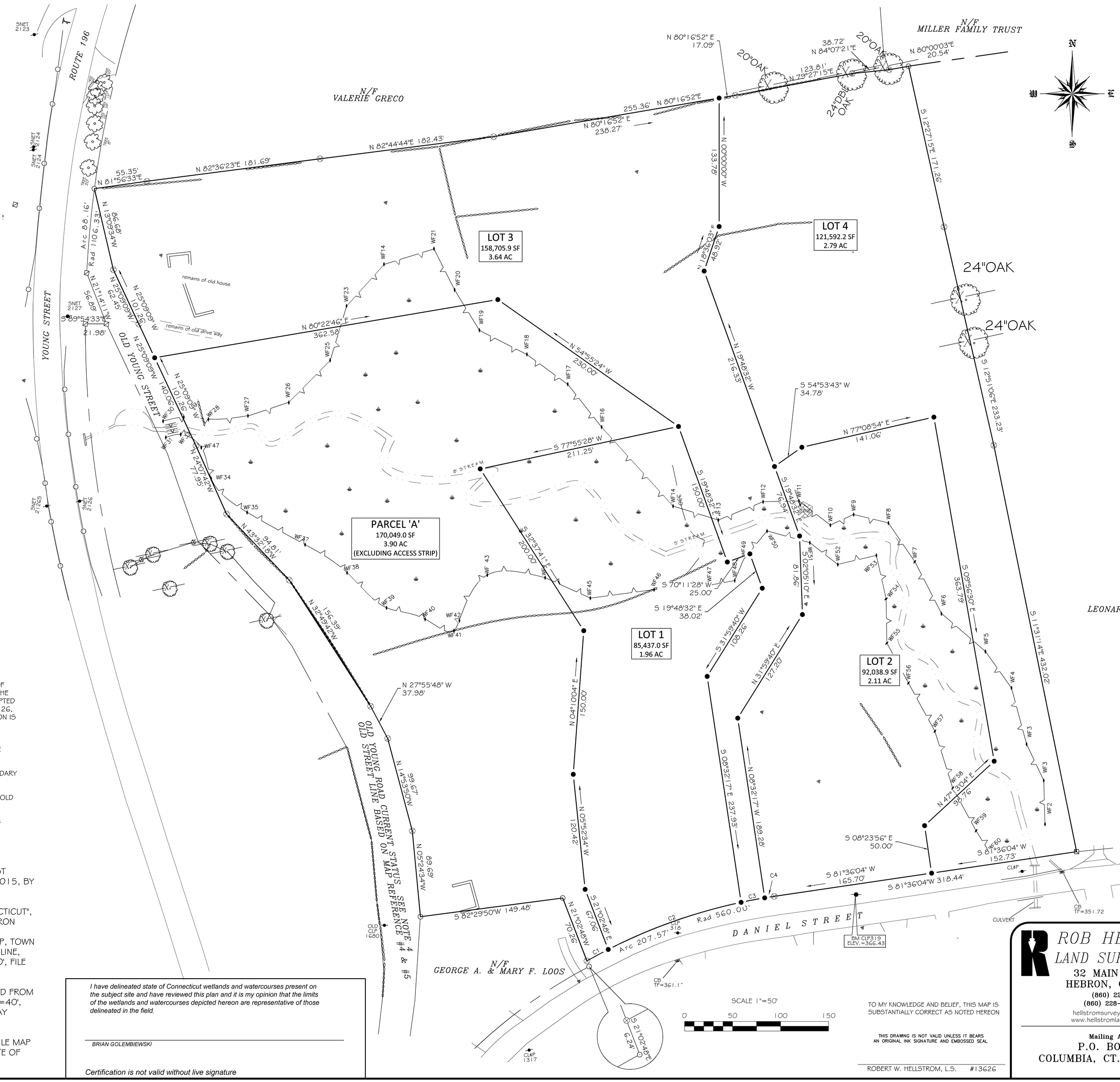
RES
CIVIL ENGINEERING CONSULTANTS
68 BOGG LANE
LEBANON, CT
(860) 465-7419
Reynolds Engineering Services, LLC

Drawing #: V-1.01

Job #: 20042.00

LEGEND

- PROPERTY LINE
- BUILDING LINE
- STONE WALL
- WIRE FENCE
- SILT FENCE OR HAY BALES
- 500 EXISTING CONTOUR
- EDGE WOODS OR CLEARING
- TREE WITH WIRE
- FENCE POST WITH WIRE
- ANGLE POINT
- IRON PIN OR PIPE FOUND
- MONUMENT FOUND
- DRILL HOLE FOUND
- IRON PIN TO BE SET 5/8" REBAR
- MONUMENT TO BE SET
- DRILL HOLE TO BE SET
- SURVEYOR CONTROL POINT
- 100' WETLAND REVIEW LINE
- EXISTING WETLANDS LIMITS



CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	TANGENT	CHORD BEARING	CHORD LENGTH
C1	560.00'	25.21'	2°34'44"	12.61'	S 61°39'11" W	25.20'
C2	560.00'	147.30'	15°04'16"	74.08'	N 70°28'41" E	146.88'
C3	560.00'	25.02'	2°33'56"	12.51'	S 79°17'37" W	25.02'
C4	560.00'	10.04'	1°01'40"	5.02'	N 81°05'15" E	10.04'

MAP STANDARD NOTES

1. THIS SURVEY (OR MAP) HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THRU 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996; THE TYPE OF SURVEY IS A BOUNDARY SURVEY. BOUNDARY DETERMINATION IS BASED ON A RESURVEY OF PROPERTY AND CONFORMS TO THE 'A-2' CLASS OF ACCURACY.
2. TOPOGRAPHIC FEATURES, IF SHOWN HEREON, WERE PREPARED IN ACCORDANCE WITH CLASS T-2 .
3. THE INTENDED PURPOSE OF THIS MAP/SURVEY IS TO SHOW THE EXISTING BOUNDARY AND TOPOGRAPHY CONDITIONS.
4. AFTER REVIEW OF TOWN RECORDS NO ACTION FOUND ON CURRENT STATUS OF OLD ROAD. NO APPARENT CURRENT USE OF OLD ROAD AT THIS TIME.
5. HORIZONTAL AND VERTICAL CONTROL IS NAD83 & NAVD88 MONUMENTS 2948 & 6457

MAP REFERENCE:

1. "SUBDIVISION LAND OF VALERIE GRECO, 42 YOUNG STREET, EAST HAMPTON, CONNECTICUT", SCALE 1"=60', DATED SEPTEMBER 2015, BY SWAMP YANKEE SERVICE, LLC.,
2. "PROPERY OF GIEMZA ET.AL., TOWN OF EAST HAMPTON, CONNECTICUT", SCALE 1"=60', DATED JANUARY 22, 1985, BY RICHARD J. ZIEBRON
3. "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP, TOWN OF EAST HAMPTON, YOUNG STREET, FROM THE HADDAM TOWN LINE, NORTHERLY ABOUT 18,900 FEET ROUTE NO.196", SCALE 1"=40', FILE NO.03120, SHEET 7 OF 7, DATED JANUARY 31, 1941.
4. TOWN OF EAST HAMPTON, MAP SHOWING LAND TO BE ACQUIRED FROM JOSEPH BERGMAN, EAST HAMPTON-LEESVILLE ROAD", SCALE 1"=40', VOL.41, PAGE 15A, DATED MAY 2, 1929, BY THE STATE HIGHWAY COMMISSION.
5. "OLD YOUNG STREET AND DANIEL STREET AS-BUILT & PLAN PROFILE MAP FOR THE TOWN OF EAST HAMPTON, CONNECTICUT, BY THE STATE OF CONNECTICUT CIRCA 1929".

I have delineated state of Connecticut wetlands and watercourses present on the subject site and have reviewed this plan and it is my opinion that the limits of the wetlands and watercourses depicted hereon are representative of those delineated in the field.

BRIAN GOLEMBIEWSKI

Certification is not valid without live signature

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON

THIS DRAWING IS NOT VALID UNLESS IT BEARS AN ORIGINAL INK SIGNATURE AND EMBOSSED SEAL

ROBERT W. HELLSTROM, L.S. #13626

ROB HELLSTROM LAND SURVEYING LLC
32 MAIN STREET
HEBRON, CT., 06248
(860) 228-9853
(860) 228-1360 (FAX)
hellstromsurveying@yahoo.com
www.hellstromlandsurveying.com

Mailing Address:
P.O. BOX 497
COLUMBIA, CT. 06237-0497

Designed By: MAR
Drawn By: MAR
Checked By:
CAD File: 20042

Drawing Scale: 1"=50'

Rev.	Date	Revision	By

Drawing date: 7/14/2020

SUBDIVISION PLAN

PROJECT TITLE: *MEYERS SUBDIVISION*
EAST HAMPTON, CT
DANIEL STREET

PREPARED FOR: *CT CONTRACTORS GROUP, LLC*
EAST HAMPTON, CT
DANIEL STREET

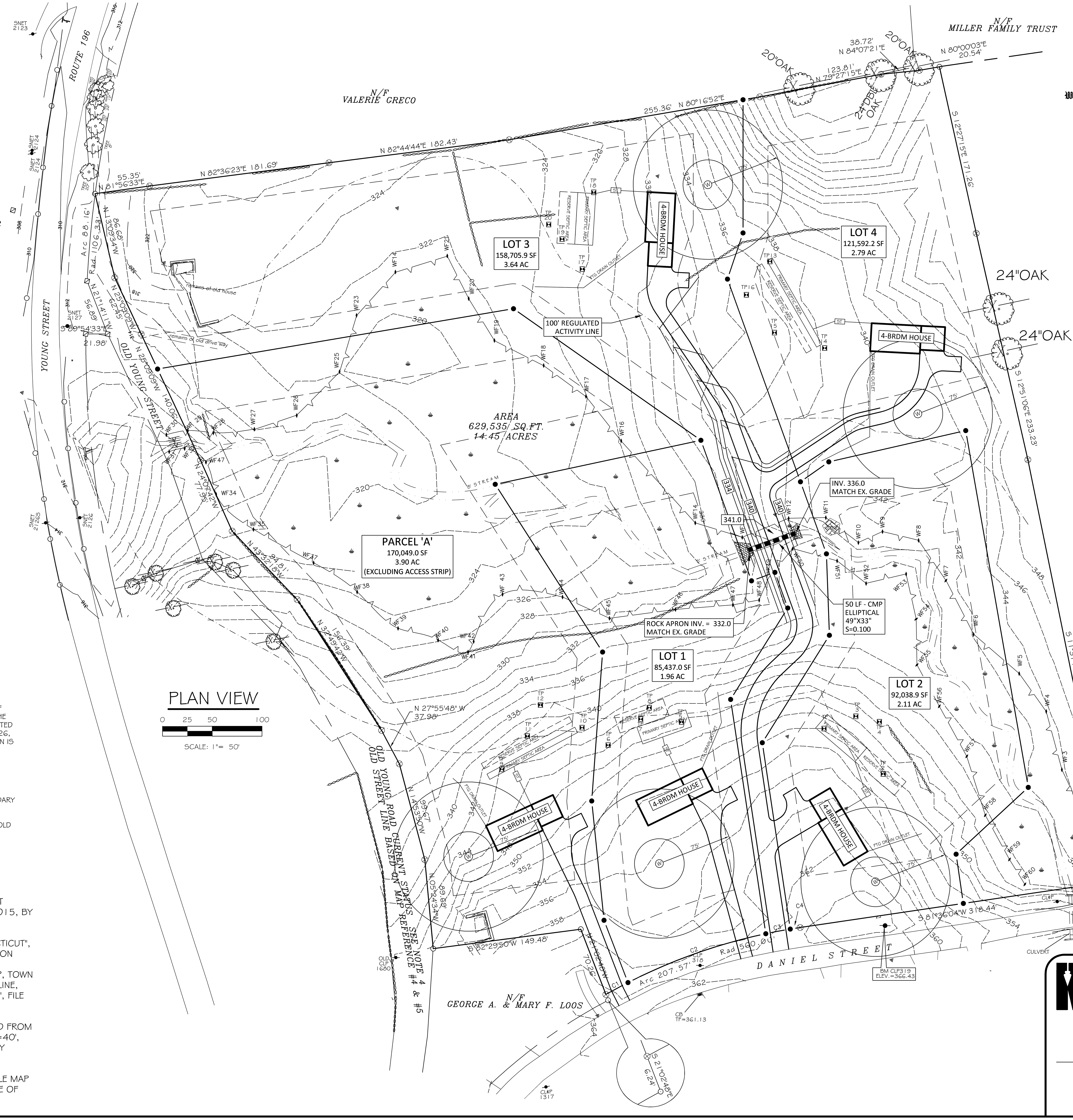
RES
CIVIL ENGINEERING CONSULTANTS
68 BOGG LANE
LEBANON, CT
(860) 465-7419
Reynolds Engineering Services, LLC

Drawing #: V-2.01

Job #: 20042.00

LEGEND

- PROPERTY LINE
- BUILDING LINE
- STONE WALL
- WIRE FENCE
- SILT FENCE OR HAY BALES
- 500 EXISTING CONTOUR
- EDGE WOODS OR CLEARING
- TREE WITH WIRE
- FENCE POST WITH WIRE
- ANGLE POINT
- IRON PIN OR PIPE FOUND
- MONUMENT FOUND
- DRILL HOLE FOUND
- IRON PIN TO BE SET 5/8" REBAR
- MONUMENT TO BE SET
- DRILL HOLE TO BE SET
- SURVEYOR CONTROL POINT
- 100' WETLAND REVIEW LINE
- EXISTING WETLANDS LIMITS



PLAN VIEW

0 25 50 100

SCALE: 1" = 50'

MAP STANDARD NOTES

1. THIS SURVEY (OR MAP) HAS BEEN PREPARED PURSUANT TO THE REGULATIONS OF CONNECTICUT STATE AGENCIES SECTIONS 20-300b-1 THRU 20-300b-20 AND THE "STANDARDS FOR SURVEYS AND MAPS IN THE STATE OF CONNECTICUT" AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON SEPTEMBER 26, 1996; THE TYPE OF SURVEY IS A BOUNDARY SURVEY. BOUNDARY DETERMINATION IS BASED ON A RESURVEY OF PROPERTY AND CONFORMS TO THE 'A-2' CLASS OF ACCURACY.
2. TOPOGRAPHIC FEATURES, IF SHOWN HEREON, WERE PREPARED IN ACCORDANCE WITH CLASS T-2 .
3. THE INTENDED PURPOSE OF THIS MAP/SURVEY IS TO SHOW THE EXISTING BOUNDARY AND TOPOGRAPHY CONDITIONS.
4. AFTER REVIEW OF TOWN RECORDS NO ACTION FOUND ON CURRENT STATUS OF OLD ROAD. NO APPARENT CURRENT USE OF OLD ROAD AT THIS TIME.
5. HORIZONTAL AND VERTICAL CONTROL IS NAD83 & NAVD88 MONUMENTS 2948 & 6457

MAP REFERENCE:

1. "SUBDIVISION LAND OF VALERIE GRECO, 42 YOUNG STREET, EAST HAMPTON, CONNECTICUT", SCALE 1"=60', DATED SEPTEMBER 2015, BY SWAMP YANKEE SERVICE, LLC.,
2. "PROPERY OF GIEMZA ET.AL., TOWN OF EAST HAMPTON, CONNECTICUT", SCALE 1"=60', DATED JANUARY 22, 1985, BY RICHARD J. ZIEBRON
3. "CONNECTICUT STATE HIGHWAY DEPARTMENT RIGHT OF WAY MAP, TOWN OF EAST HAMPTON, YOUNG STREET, FROM THE HADDAM TOWN LINE, NORTHERLY ABOUT 18,900 FEET ROUTE NO.196", SCALE 1"=40', FILE NO.03120, SHEET 7 OF 7, DATED JANUARY 31,1941.
4. TOWN OF EAST HAMPTON, MAP SHOWING LAND TO BE ACQUIRED FROM JOSEPH BERGMAN, EAST HAMPTON-LEESVILLE ROAD", SCALE 1"=40', VOL.41, PAGE15A, DATED MAY 2, 1929, BY THE STATE HIGHWAY COMMISSION.
5. "OLD YOUNG STREET AND DANIEL STREET AS-BUILT & PLAN PROFILE MAP FOR THE TOWN OF EAST HAMPTON, CONNECTICUT, BY THE STATE OF CONNECTICUT CIRCA 1929".

ROB HELLSTROM
LAND SURVEYING LLC
32 MAIN STREET
HEBRON, CT., 06248
(860) 228-9853
(860) 228-1360 (FAX)
hellstromsurveying@yahoo.com
www.hellstromlandsurveying.com

Mailing Address:
P.O. BOX 497
COLUMBIA, CT. 06237-0497

RES
CIVIL ENGINEERING CONSULTANTS
68 BOGG LANE
LEBANON, CT
(860) 465-7419
Reynolds Engineering Services, LLC

SUBDIVISION PLAN

PROJECT TITLE: MEYERS SUBDIVISION
DANEIL STREET EAST HAMPTON, CT

PREPARED FOR: CT CONTRACTORS GROUP, LLC
DANIEL STREET EAST HAMPTON, CT

Drawing date:	Drawing Scale:
7/14/2020	1"=50'

Rev.	Date	Revision	By

Designed By: MAR
Drawn By: MAR
Checked By:
CAD File: 20042

Drawing #: C-1.01
Job #: 20042.00

SOIL EROSION AND SEDIMENT CONTROL MEASURES

A.) APPROVAL REQUIRED TO START CONSTRUCTION

NO CONSTRUCTION SHALL TAKE PLACE ON THIS PROPERTY UNTIL THE HEREIN STATED EROSION AND SEDIMENT CONTROL HAS BEEN REVIEWED AND CERTIFIED BY THE STAFFORD PUBLIC WORKS DIRECTOR OR ITS DESIGNATED AGENT(S).

B.) DESCRIPTION OF PROPOSED DEVELOPMENT

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF APPROXIMATELY 1,000 L.F. OF COMMON DRIVEWAY TO SERVE RESIDENTIAL LOTS. THE SITE ON WHICH THE CONSTRUCTION WILL OCCUR IS A WOODED AREA. CONSTRUCTION ACTIVITIES SHALL INCLUDE GRADING FOR THE 16' DRIVEWAY, INCLUDING DRAINAGE IMPROVEMENTS AND EXCAVATION OF A RETENTION BASIN.

C.) GENERAL SEQUENCE OF DEVELOPMENT

THESE GUIDELINES SHALL APPLY TO ALL WORK CONSISTING OF ANY AND ALL TEMPORARY AND/OR PERMANENT MEASURES TO CONTROL WATER POLLUTION AND SOIL EROSION AS MAY BE REQUIRED DURING THE CONSTRUCTION OF THE PROJECT. IN GENERAL, ALL CONSTRUCTION ACTIVITIES SHALL PROCEED IN SUCH A MANNER SO AS NOT TO POLLUTE ANY WETLANDS, WATERCOURSES, WATERBODY, AND CONDUIT CARRYING WATER, ETC. THE CONTRACTOR SHALL LIMIT INSOFAR AS POSSIBLE, THE SURFACE AREA OF EARTH MATERIALS EXPOSED BY CONSTRUCTION METHODS, AND IMMEDIATELY PROVIDE PERMANENT AND TEMPORARY POLLUTION CONTROL MEASURES TO PREVENT CONTAMINATION OF ADJACENT WETLANDS, WATERCOURSES, AND WATERBODIES, AND TO PREVENT INSOFAR AS POSSIBLE, EROSION ON THE SITE. NO SITE DEVELOPMENT FOR A LOT SHALL BEGIN UNTIL THE HEREIN STATED SOIL EROSION AND SEDIMENT CONTROL PLAN HAS BEEN CERTIFIED AND THOSE CONTROL MEASURES SCHEDULED FOR INSTALLATION PRIOR TO SITE DEVELOPMENT HAVE BEEN INSTALLED AND ARE FUNCTIONAL.

D.) DRIVEWAY DEVELOPMENT

AFTER INSTALLING EROSION AND SEDIMENTATION CONTROLS, AREAS OF DISTURBANCE SHALL BE CLEARED BY PLACING STUMPAGE AND DEBRIS IN DESIGNATED STOCKPILE AREAS FOR OFFSITE DISPOSAL. TOPSOIL SHALL BE STRIPPED AND ALSO PLACED IN STOCKPILE AREAS TO BE USED FOR ON SITE LOAMING. INSTALLATION OF STORM DRAINAGE SHALL BEGIN BY EXCAVATING THE DETENTION PONDS AND PLACING A TEMPORARY 2' STONE BERM AROUND THE OUTLET STRUCTURES UTILIZING THE PONDS AS SEDIMENTATION BASINS DURING CONSTRUCTION. OUTLET PROTECTION AND SEDIMENTATION CONTROL SHALL BE PUT IN PLACE IMMEDIATELY UPON INSTALLATION OF STORM DRAINAGE. ALL DISTURBED AREAS ARE TO BE STABILIZED, LOAMED & SEEDED IMMEDIATELY AFTER FINAL GRADING. EROSION AND SEDIMENTATION CONTROLS SHALL REMAIN AND BE MAINTAINED UNTIL SITE HAS STABILIZED AND VEGETATION HAS BEEN ESTABLISHED. ADDITIONAL MEASURES MAY BE REQUIRED TO ADDRESS FIELD CONDITIONS AS ORDERED BY THE TOWN OF STAFFORD OR ITS DESIGNATED AGENT(S). ALL EROSION AND SEDIMENT CONTROL MEASURES AND CONSTRUCTION PRACTICES SHALL BE AS DESCRIBED HEREIN AND FURTHER DETAILED IN THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (REVISED 2002) AND AMENDMENTS, AS PUBLISHED BY THE CONNECTICUT COUNCIL ON SOIL AND WATER CONSERVATION.

E) LAND GRADING

THE RESHAPING OF THE GROUND SURFACE BY EXCAVATION AND FILLING OR A COMBINATION OF BOTH, TO OBTAIN PLANNED GRADES SHALL PROCEED IN ACCORDANCE WITH THE FOLLOWING CRITERIA.

- THE CUT FACE OF EARTH EXCAVATION SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2 : 1)

- THE PERMANENT EXPOSED FACES OF FILLS SHALL NOT BE STEEPER THAN TWO HORIZONTAL TO ONE VERTICAL (2 : 1)

- THE CUT FACE OF ROCK EXCAVATION SHALL NOT BE STEEPER THAN ONE HORIZONTAL TO FOUR VERTICAL (1 : 4)

- NO FILL SHOULD BE PLACED WHERE IT WILL SLIDE, OR WASH UPON THE PREMISES OF ANOTHER OWNER, OR UPON ADJACENT WETLANDS, WATERCOURSES, OR WATERBODY.

EROSION AND SEDIMENTATION CONTROL REPORT:
CT CONTRACTORS GROUP
DANIEL STREET
EAST HAMPTON, CT

PREPARED FOR:
CT CONTRACTORS GROUP
DANIEL STREET
EAST HAMPTON, CT

REFERENCE IS MADE TO:
1. CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL, 2002.
2. SOIL SURVEY OF TOLLAND COUNTY, CONNECTICUT, U.S.D.A. SOIL CONSERVATION SERVICE 1983.

SOILS
THE SITE IS COMPOSED OF THE FOLLOWING SOIL TYPES:
Charlton-Chatfield complex, 0 to 15 percent slopes, very rocky

DEVELOPMENT SCHEDULE
IT IS ANTICIPATED THAT GRADING AND CONSTRUCTION ACTIVITIES WILL BEGIN FALL 2020.

1. INSTALL EROSION AND SEDIMENT CONTROL STRUCTURES.
2. ROUGH GRADE DRIVEWAY
3. INSTALL CULVERT AND DRAINAGE FEATURES.
4. INSTALL DRIVEWAY.
5. LOAM, SEED AND MULCH LANDSCAPE AREAS.
6. REMOVE EROSION AND SEDIMENT CONTROL.

I. GENERAL EROSION AND SEDIMENTATION CONTROL NOTES
(SEE II. & III. FOR SPECIFIED CONSTRUCTION MEASURE)

THIS CONSTRUCTION PLAN PROPOSES EROSION CONTROL MEASURES WHICH WILL PERFORM ONE OR MORE OF THE FOLLOWING FUNCTIONS: MINIMIZATION OF SOIL EXPOSURE, CONTROL OF RUNOFF, SHIELDING OF THE SOILS AND BUILDING OF THE SOILS. PROPER EROSION MANAGEMENT WILL MINIMIZE THE EROSION, BUT IT MUST BE UNDERSTOOD THAT ONLY "REASONABLE" EROSION CONTROL CAN BE EXPECTED. THUS, EVEN WITH THE BEST PLAN, SOME EROSION MUST BE ANTICIPATED. SEDIMENTATION CONTROLS ARE THE SECONDARY LINE OF DEFENSE ON THE CONSTRUCTION SITE.

DURING THE COURSE OF SITE CONSTRUCTION WEEKLY INSPECTIONS OF ALL EROSION AND SEDIMENTATION MEASURES WILL BE CONDUCTED BY A QUALIFIED EROSION AND SEDIMENTATION CONTROL PROFESSIONAL AND REPORTS FILED WITH THE CITY'S AGENT.

WATER GENERATED SEDIMENT IS A SERIOUS PROBLEM WHEN NATURAL VEGETATION IS REMOVED OR ALTERED, FOR THIS REASON, A RECOMMENDATION FOR MINIMAL SITE DISTURBANCE TO EXISTING VEGETATION AND SOIL IS PROPOSED. MINIMAL SOIL EXPOSURE NOT ONLY ENTAILS DEMARCATING SITE DISTURBANCE LIMITS, BUT ALSO INVOLVES THE STAGING OF GRADING AND SUBSEQUENT REV OF DISTURBED AREAS, SO THAT THE LEAST AMOUNT OF SOIL SURFACE IS EXPOSED AT ANY ONE TIME.

RUNOFF SHALL BE CONTROLLED BY THE INTERCEPTION, DIVERSION AND SAFE DISPOSAL.PRECIPITATION RUNOFF SHALL ALSO BE CONTROLLED BY THE STAGING OF CONSTRUCTION ACTIVITY AND THE PRESERVATION OF NATURAL VEGETATION WHENEVER POSSIBLE. THE BINDING OF SOIL PARTICLES TO MAKE THEM LESS SUSCEPTIBLE TO REMOVAL BY RAIN SPLASH OR RUNOFF BY THE USE OF NATURAL AND PHYSICAL "BINDERS" (MULCHES AND FABRICS) MAY BE REQUIRED AS DIRECTED BY THE ENGINEER OR THE CITY'S AGENT.

TO PREVENT SEDIMENT FROM LEAVING THE SITE, TURBID SURFACE RUNOFF SHALL BE DIVERTED THROUGH "LEVEL SPREADER" DEVICES. TEMPORARY LEVEL SPREADER DEVICES SHALL BE CREATED BY PLACING ENGINEERING FABRIC DOWN GRADIENT OF SOIL DISTURBING ACTIVITIES. THUS FLOW WILL BE DISPERSED OVER A WIDE AREA AND FILTERED BY THE FABRIC. THE FENCE SHALL FOLLOW THE EXISTING CONTOURS WITH THE ENDS OF THE FENCE TURNED UPHILL TO PREVENT END GUTTING. FILTER FABRIC USED AS SILT FENCE AND NOT PLACED ON CONTOUR SHOULD HAVE "WINGS" AT INTERVALS OF NO GREATER THAN 100 FEET TO INTERRUPT FLOWS PARALLEL TO THE FENCE. TECHNIQUES SUCH AS "WINGED" FABRIC SILT FENCE CHECK DAMS, HAY BALES INSTALLED AND MAINTAINED AROUND ALL CATCH BASINS, FABRIC SILT FENCE /LEVEL SPREADERS AND SEDIMENTATION PONDS MAY BE USED.

DUST CONTROL, IF DETERMINED TO BE REQUIRED DURING THE WEEKLY INSPECTIONS, SHALL BE ACHIEVED BY THE APPLICATION OF ANIONIC OR CATIONIC ASPHALT EMULSIONS, LATEX EMULSION OR RESIN IN WATER. FOR APPLICATION RATES AND DILUTION REQUIREMENTS, REFER TO MANUFACTURER'S GUIDELINES. THE EXPOSED SOIL SURFACE SHOULD BE MOISTENED PERIODICALLY WITH ADEQUATE WATER TO CONTROL DUST, BUT WATER SHALL NOT BE EXCLUSIVELY USED.

IN AN EFFORT TO REDUCE THE POTENTIAL FOR TRACKING MUD OF THE SITE, COARSE STONE "TRACKING PADS AND IMMEDIATE CONSTRUCTION OF GRAVEL SUBBASE FOR ROADWAYS WILL MINIMIZE ANY OFF-SITE TRACKING. ACCUMULATED DIRT TRACKED ONTO EXISTING ROADWAYS SHALL BE REMOVEDBY SHOVEL AND BROOM AT THE END OF EACH WORK DAY.

BEFORE AND AFTER EACH STORM EVENT AND ONCE EVERY DAY, ALL SEDIMENT AND EROSION CONTROLS WILL BE INSPECTED BY THE ENGINEER OR ENVIRONMENTAL SUPERVISOR. ANY CORRECTIVE MEASURES TO MITIGATE ENVIRONMENTAL CONCERNS WILL BE ORDERED AT THAT TIME. THERE WILL BE 150 FT. OF SILT FENCE WITH THE REQUIRED POSTS ON HAND FOR EMERGENCY SITUATIONS.

EXCAVATIONS WHICH MUST BE DEWATERED WILL BE PUMPED INTO AN ACTIVE DRAINAGE SYSTEM. BOTH THE INLET AND OUTLET OF THE PUMPS SHOULD BE FILTERED AND PROTECTED FROM SURGE ACTION. IN THE EVENT ON CONFLICT BETWEEN THESE PLANS AND OTHER REGULATIONS, THE MORE STRINGENT SHALL APPLY.

II. CONSTRUCTION SEQUENCE AND DETAILED EROSION CONTROL MEASURES

1. A REGISTERED LAND SURVEYOR SHALL FIELD STAKE THE CENTER LINE OF THE NEW ACCESS ROAD.
2. UPON COMPLETION OF THE FIELD STAKING, EXISTING TREES WHICH ARE TO BE SAVED ARE TO BE FLAGGED AND PROTECTED. ALL REMAINING VEGETATION INCLUDING OVERHANGING LIMBS FROM TREES TO BE SAVED SHALL BE CHIPPED AND SUCH CHIPS STORED IN NON-GRADED AREAS ALONG THE RIGHT OF WAY FOR FUTURE USE AS MULCH. CORD WOOD AND/OR TIMBER FROM APPROPRIATE CLEARED AREAS SHALL BE REMOVED FROM THE SITE. EROSION AND SEDIMENT MEASURES SHALL BE INSTALLED AS APPROPRIATE PRIOR TO ANY SITE DISTURBANCE.
3. STUMPING SHALL COMMENCE ALONG THE PROPOSED ACCESS ROAD WITHIN AREAS STAKED BY THE SURVEYOR AND CLEARED IN TASK 2 ABOVE. LOAM SHALL BE STRIPPED FROM THE CLEARED AREA AND STOCKPILED JUST OUTSIDE THE DRIVEWAY GRADING LIMITS AT INTERVALS NOT EXCEEDING 300 FEET, AND RINGED WITH HAY BALES ON THE DOWN GRADIENT SIDE OF THE STOCKPILE UPON STRIPPING THE BALANCE OF THE DRIVEWAY. THE ANIT-TRACKING PAD SHALL BE INSTALLED. THIS ANTI-TRACKING PAD SHALL BE MAINTAINED AND REPLACED AS NECESSARY WHEN NO LONGER EFFECTIVE IN PREVENTING TRACKING OF MATERIALS OFF SITE.
4. THE DRIVEWAY SHALL BE BROUGHT TO ROUGH GRADE AND SILT FENCE CHECK DAMS SHALL BE PLACED IN THE GUTTERS OF THE CROWNED PAVEMENT AT 100' INTERVALS (MAXIMUM), AS SHOWN UPON THE PLAN, OR MORE FREQUENTLY AS REQUIRED AND DIRECTED BY THE ENGINEER.
5. DRIVEWAY SHOULDERS IN BOTH CUT AND FILL AREAS SHALL BE FINE GRADED IN ACCORDANCE WITH "III GENERAL NOTES".
6. UNDERGROUND UTILITIES (GAS,WATER,SEWER,TELEPHONE, ELECTRIC AND CABLE) SHALL BE INSTALLED NEXT.
7. FOLLOWED BY THE PLACEMENT OF THE PROCESS GRAVEL BASE, AND BITUMINOUS PAVEMENT. THE SHOULDERS OF THE DRIVEWAY SHALL BE FINE GRADED, LOAM AND SEEDED,AS SPECIFIED UNDER "IV. GENERAL NOTES".

III. SITE DEVELOPMENT

IN ADDITION TO THE RECOMMENDATIONS FOR THE INDIVIDUAL PHASES OF THE DEVELOPMENT, THE FOLLOWING PROCEDURES SHALL APPLY TO INDIVIDUAL STRUCTURES BEING DEVELOPED.
1. THE LIMITS OF DISTURBANCE SHALL BE ESTABLISHED IN THE FIELD FOR EACH PROPOSED RESIDENTIAL STRUCTURE. MAXIMUM DISTURBANCE LIMITS OF 25-35 FT BEYOND THE PHYSICAL DIMENSIONS OF THE STRUCTURE AND RELATED APPURTENANCES IS RECOMMENDED.
2. TOPSOIL AND EXCAVATED SUBSOIL FROM THE FOUNDATION AREA SHALL BE STOCKPILED WITHIN THE AREA OF DISTURBANCE IF NOT USED FOR ON SITE REGRADING. EACH STOCKPILE SHALL BE ADEQUATELY RINGED ON THE DOWN GRADIENT SIDE WITH SEDIMENT CONTROL MATERIALS (i.e. HAY BALES AND/OR FABRIC FENCE).
3. ANY ADDITIONAL STOCKPILING OF LUMBER AND BUILDING MATERIALS SHALL BE CONFINED TO THE AREA OF DISTURBANCE, SIMILARLY, VEHICULAR MOVEMENT SHALL BE DIRECTED TO ESTABLISHED PARKING AREAS.
4. ONCE THE PROPOSED STRUCTURE IS ENCLOSED , ALL EFFORTS SHALL BE MADE TO COMPLETE ON SITE IMPROVEMENTS SUCH AS UTILITIES, FOOTING DRAINS, DRIVEWAYS, ETC. THERE AFTER ALL RAW SOIL AREAS SURROUNDING THE SITES SHALL BE FINE GRADED AND MULCHED.

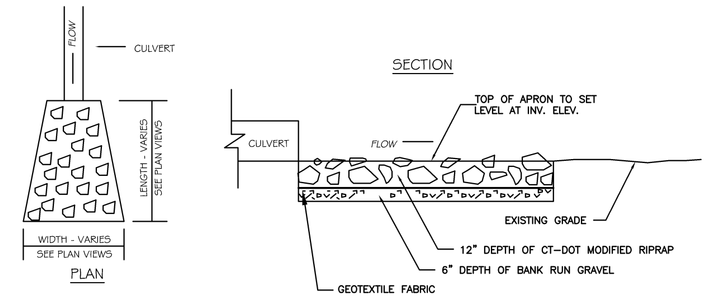
IV. GENERAL NOTES

SEED BED PREPARATION
FINE GRADE AND RAKE SOIL SURFACE TO REMOVE STONES LARGER THAT 2-INCH IN DIAMETER. INSTALL NEEDED EROSION CONTROL DEVICES SUCH AS SURFACE WATER DIVERSIONS. APPLY LIMESTONE AT A MINIMUM RATE OF 2 TONS PER ACRE OR 40 LBS. PER 1000 SQUARE FEET. FERTILIZE WITH 10-10-10 AT THE RATE OF 300 LBS. PER ACRE OR 7.5 LBS. PER 12000 SQUARE FEET. WORK LIME AND FERTILIZER INTO SOIL UNIFORMLY TO A DEPTH OF 4 INCHES WITH A WISK, SPRINGTOOTH HARROW OR OTHER SUITABLE EQUIPMENT FOLLOWING THE CONTOUR LINES.

SEED APPLICATION
APPLY GRASS SEE MIXTURE BY HAND, CYCLONE SEEDER OR HYDROSEEDER. INCREASE SEED MIXTURE BY 10 PERCENT IF HYDROSEEDING. LIGHTLY DRAG OR ROLL THE SEEDED SURFACE TO COVER SEED. SEEDING SHOULD BE DONE BETWEEN APRIL 1 AND JUNE 1, OR BETWEEN AUGUST 15 AND OCTOBER 15. IF SEEDING CANNOT BE DONE DURING THESE TIMES, REPEAT MULCHING PROCEDURE UNTIL SUCH TIMES AS SEEDING CAN TAKE PLACE. THE TYPE OF SEED MIXTURE SHALL BE DETERMINED FROM FIGURES 6-2 AND 6-3 OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL".

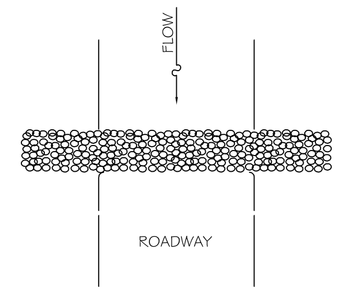
MULCHING
IMMEDIATELY FOLLOWING SEEDING, MULCH THE SEEDED SURFACE WITH STRAW OR HAY AT A RATE OF 1.5 TO 2 TONS PER ACRE. SPREAD MULCH BY HAND OR MULCH BLOWER. PUNCH MULCH INTO SOIL SURFACE WITH TRACK MACHINE OR DISH HARROW SET STRAIGHT. MULCH MATERIAL SHOULD BE "SET" INTO SOIL SURFACE APPROXIMATELY 2-3 INCHES.

DURING CONSTRUCTION IT SHALL BE THE RESPONSIBILITY OF OWNER TO INSURE THE IMPLEMENTATION OF THIS EROSION AND SEDIMENT CONTROL PLAN. A BI - WEEKLY INSPECTION OF THE SITE SHALL BE PERFORMED TO INSURE COMPLIANCE WITH THIS SEDIMENT AND EROSION PLAN. A BI - WEEKLY INSPECTION REPORT SHALL BE SUBMITTED TO THE CITY'S AGENT. THIS RESPONSIBILITY INCLUDES INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PROPERTIES ENGAGED ON THE SITE OF REQUIREMENTS AND OBJECTIVES OF THIS PLAN, NOTIFYING THE CITY'S AGENT OF ANY TRANSFERS OF THIS RESPONSIBILITY AND FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN IF AND WHEN TITLE OF LAND IS TRANSFERRED.



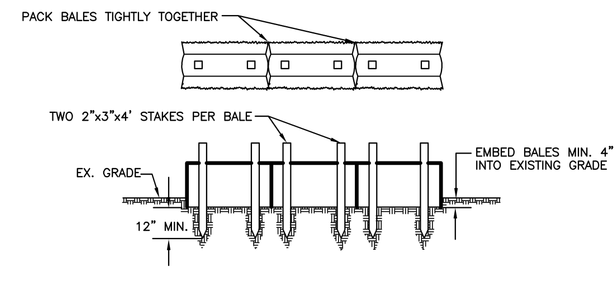
ROCK APRON DETAIL
NOT TO SCALE

ROCK APRON TABLE		
APRON	LENGTH (ft.)	WIDTH (ft.)
1	15	8

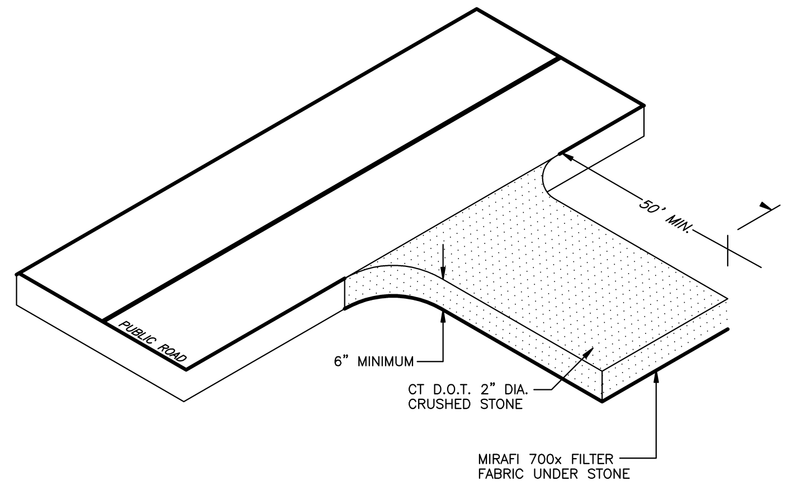


NOTE:
1. INSTALLATION REQUIREMENTS
   a. THE STONE SHALL BE PILED TO A NATURAL ANGLE OF REPOSE WITH THE HEIGHT OF AT LEAST 2 FEET.
   b. THE BARRIER SHALL BE CONSTRUCTED SO WATER CANNOT BYPASS THE BARRIER AROUND THE ENDS.
2. MAINTENANCE
   a. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
   b. THE BARRIER SHALL BE REMOVED WHEN IT HAS SERVED ITS USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.

STONE BARRIER
NOT TO SCALE



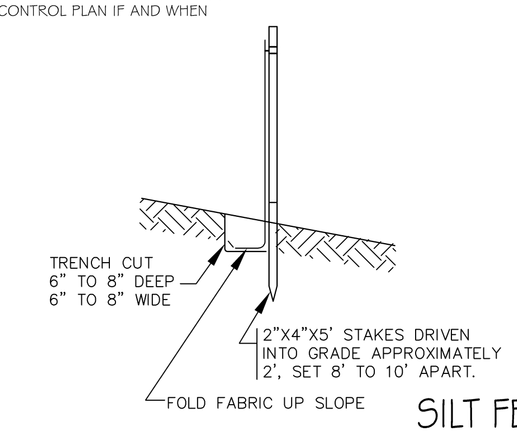
HAYBALE BARRIER
NOT TO SCALE



CONSTRUCTION ENTRANCE
NOT TO SCALE

LOT DEVELOPMENT EROSION & SEDIMENT CONTROL NOTES:

1. ALL EROSION & SEDIMENT CONTROL MEASURES TO BE CONSTRUCTED AS DETAILED AND SPECIFIED IN THE CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL JANUARY 2002 AS AMENDED.
2. ALL EROSION & SEDIMENT CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION, PROPERLY MAINTAINED DURING CONSTRUCTION AND REMAIN IN PLACE UNTIL ALL DISTURBED AREAS HAVE BEEN PROPERLY STABILIZED. AFTER INSTALLATION OF THE INITIALLY PRESCRIBED MEASURES, ADDITIONAL MEASURES MAY BE REQUIRED TO ADDRESS FIELD CONDITIONS AS ORDERED BY THE STATE OF CONNECTICUT DOT AND THE TOWN OF EAST HAMPTON OR ITS DESIGNATED AGENT(S).
3. THE SMALLEST PRACTICAL AREA OF LAND SHOULD BE EXPOSED. THE EXPOSURE SHOULD BE THE SHORTEST PERIOD OF TIME. WHEN NECESSARY TEMPORARY VEGETATION AND OR MULCHING SHOULD BE USED TO PROTECT EXPOSED AREAS. FINAL VEGETATION SHOULD BE INSTALLED AS SOON AS POSSIBLE. WHEREVER FEASIBLE NATURAL VEGETATION SHOULD BE RETAINED AND PROTECTED.
4. THE STOCKPILING OF BUILDING MATERIALS SHALL BE WITHIN THE AREA OF DISTURBANCE.
5. SEEDBED PREPARATION: FINE GRADE AND RAKE SOIL TO REMOVE ANY STONES LARGER THAN 2 INCHES. INSTALL ANY NEEDED EROSION CONTROL DEVICES SUCH AS SURFACE WATER DIVERSIONS. APPLY LIMESTONE AT A RATE OF TWO TONS PER ACRE OR 90 POUNDS PER 1000 SQUARE FEET. FERTILIZE WITH 10-10-10 AT A RATE OF 11 POUNDS PER 100 SQUARE FEET. WORK LIME AND FERTILIZER INTO THE SOIL TO A DEPTH OF FOUR INCHES.
6. SEED APPLICATION: APPLY SHADE TOLERANT GRASS MIXTURE BY HAND, CYCLONE SEEDER OR HYDROSEEDER. SEEDING SHALL BE DONE BETWEEN APRIL 1 AND JUNE 1 OR BETWEEN AUGUST 15 AND SEPTEMBER 1. IF SEEDING CANNOT BE DONE DURING THESE TIMES, REPEAT MULCHING PROCEDURE UNTIL SEED CAN BE DONE.
7. ESTABLISH PERMANENT VEGETATION USING A SEED MIXTURE OF:
   KENTUCKY BLUEGRASS 20 LBS/ACRE
   CREEPING RED FESCUE 20 LBS/ACRE
   PERENNIAL RYE GRASS 5 LBS/ACRE
   TOTAL 45 LBS/ACRE
   THE RECOMMENDED DATES FOR SEEDING ARE APRIL 1 THROUGH JUNE 1 AND AUGUST 15 THROUGH SEPTEMBER 1.
8. MULCHING: IMMEDIATELY FOLLOWING SEEDING, MULCH THE SEEDED SURFACE WITH STRAW OR HAY AT A RATE OF 1.5 TO 2 TONS PER ACRE. MULCH SHALL BE SPREAD BY HAND OR WITH A MULCH BLOWER. PUNCH MULCH INTO SOIL SURFACE APPROXIMATELY TWO TO THREE INCHES.



NOTES:
1. SEDIMENT CONTROL FABRIC TO BE A WOVEN POLYPROPYLENE MATERIAL TREATED TO RESIST DEGRADATION FROM EXPOSED SUNLIGHT.
2. ACCEPTABLE SILT SCREEN FABRIC- "PROPEX SILT STOP" BY AMOCO FABRICS CO.
3. AFTER FOLDING FABRIC EDGE, BACKFILL TRENCH WITH ORIGINAL SOIL.

SILT FENCE INSTALLATION
NOT TO SCALE

EROSION & SEDIMENTATION CONTROL PLAN

Designed By: MAR
Drawn By: MAR
Checked By:
CAD File: 20042

Drawing Scale: AS NOTED
Drawing date: 7/14/2020

Rev.	Date	Revision	By

E & S CONTROL PLAN

PROJECT TITLE: MEYERS SUBDIVISION
DANIEL STREET
EAST HAMPTON, CT

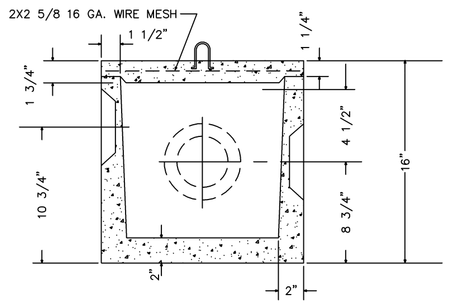
PREPARED FOR: CT CONTRACTORS GROUP, LLC
DANIEL STREET
EAST HAMPTON, CT

RES
Reynolds Engineering Services, LLC
CIVIL ENGINEERING CONSULTANTS
68 BOGG LANE
LEBANON, CT
(860) 465-7419

ROB HELLSTROM
LAND SURVEYING LLC
32 MAIN STREET
HEBRON, CT., 06248
(860) 228-9853
(860) 228-1360 (FAX)
hellstromsurveying@yahoo.com
www.hellstromlandsurveying.com
Mailing Address:
P.O. BOX 497
COLUMBIA, CT. 06237-0497

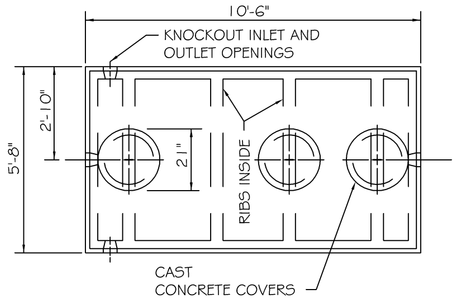
Drawing #: E-1.01

Job #: 20042.00



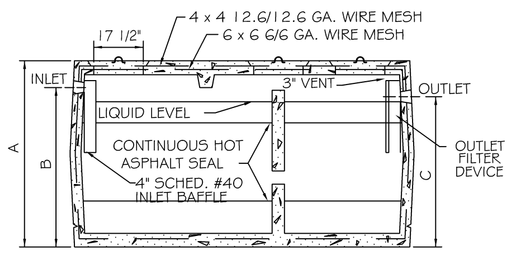
STANDARD D-BOX

NOT TO SCALE



PLAN

CAPACITIES	A	B	C
1250 GAL	61"	51"	48"
1500 GAL	69"	59"	56"

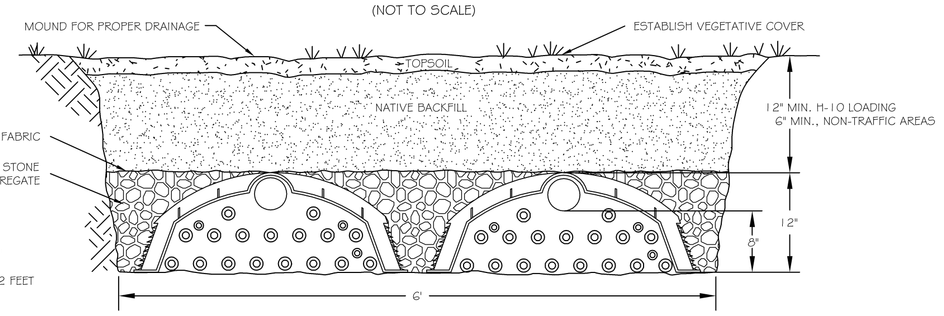


CROSS SECTION

1250/1500 GALLON
2 COMPARTMENT
SEPTIC TANK

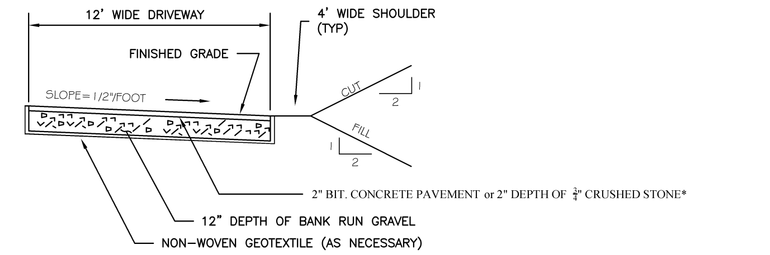
NOT TO SCALE

DETAIL
DOUBLE INFILTRATOR QUICK 4 STANDARD
(NOT TO SCALE)



NOTES:

- EFFECTIVE LEACHING AREA = 5.9 SQ FT/LF
- CENTER-TO-CENTER TRENCH SPACING = 12 FEET
- INSTALL INFILTRATORS ACCORDING TO MANUFACTURER'S CURRENT INSTALLATION INSTRUCTIONS



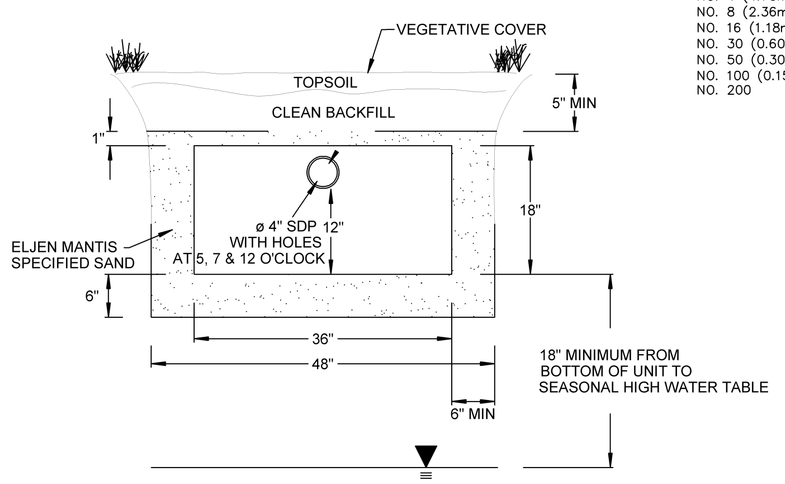
* NOTE: 2" BIT. CONCRETE PAVEMENT REQUIRED WHERE SLOPE EXCEEEDS 10%

DRIVEWAY INSTALLATION DETAIL

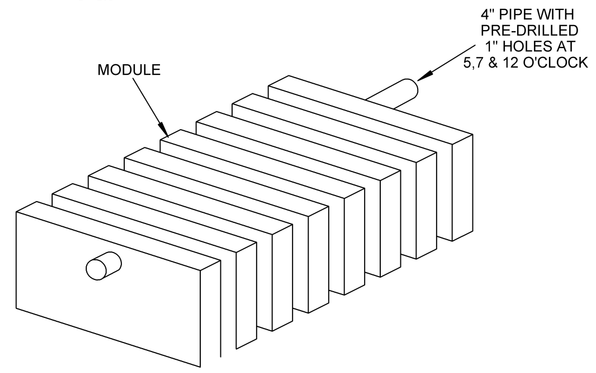
NOT TO SCALE

MANTIS SPECIFIED SAND

SIEVE SIZE	PERCENT PASSING
3/8" (9.5mm)	100%
NO. 4 (4.75mm)	95–100%
NO. 8 (2.36mm)	80–100%
NO. 16 (1.18mm)	50–85%
NO. 30 (0.600mm)	25–60%
NO. 50 (0.300mm)	5–30%
NO. 100 (0.15mm)	0–10%
NO. 200	0–5%

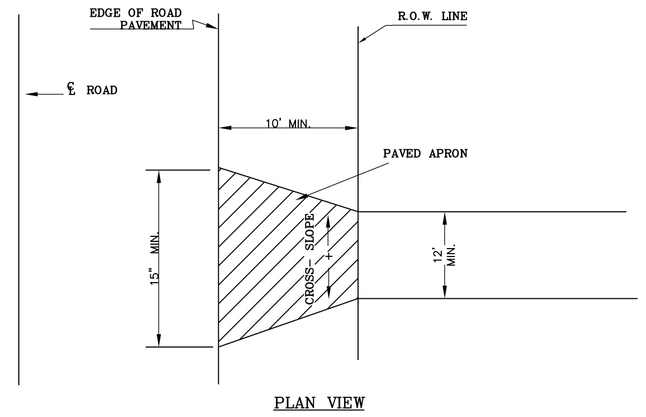


NOTE: VENTING REQUIRED WHEN MORE THAN 18" OF COVER AS MEASURED FROM THE TOP OF THE UNIT TO FINISHED GRADE

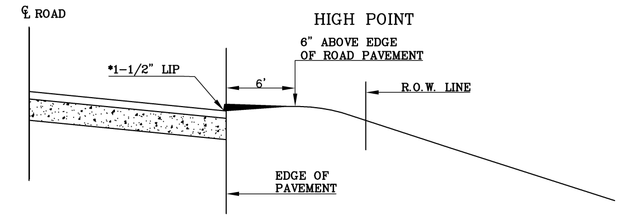


MANTIS 536-8 LEACHING UNIT DETAIL

(NOT TO SCALE)



PLAN VIEW



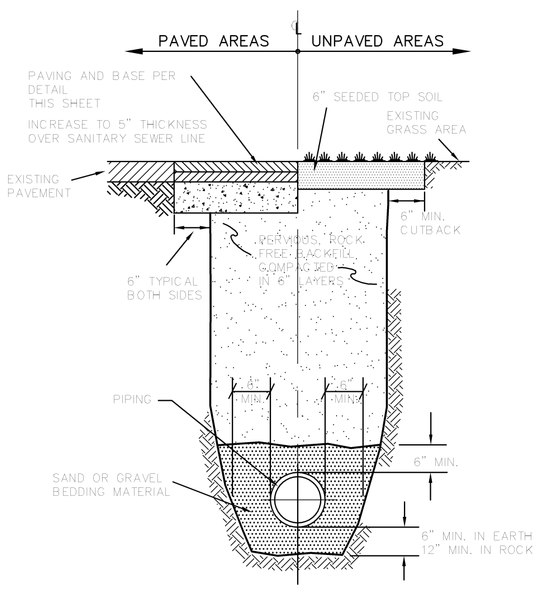
CREST CURVE IN DRIVE

TYPICAL DRIVEWAY ENTRANCE DETAIL

NOT TO SCALE

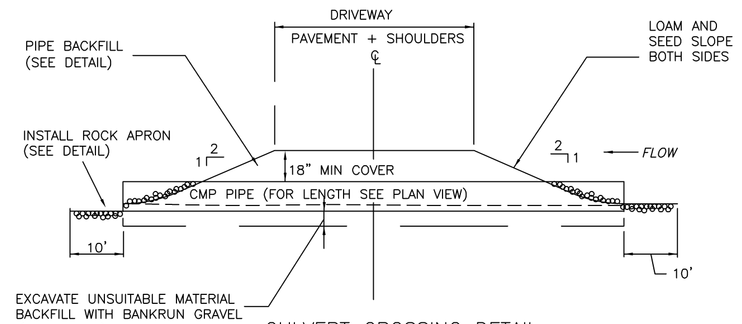
NOTES:

1.) Saw cut irregular pavement edge to match drive apron.
*2.) Provided 1–1/2 inch lip only edge on aprons that abut roads that are curbed.
3.) Driveways must be greater than or equal to 12'.
4.) Driveway aprons must be no greater than 30'.
5.) The first 30' of all driveways may not exceed a grade of 3%.
6.) Any driveway that exceeds a grade of 10% must be paved.



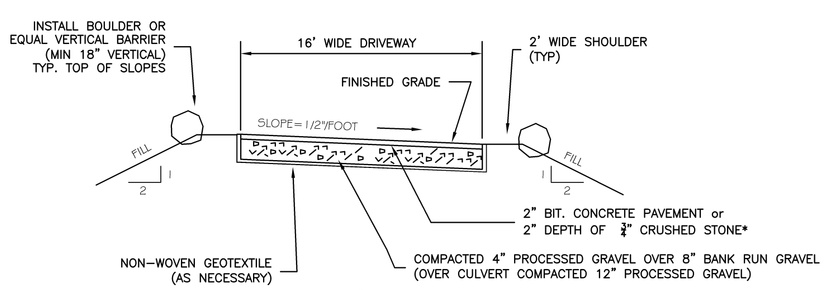
SEWER & STORM PIPING TRENCHES

NOT TO SCALE



CULVERT CROSSING DETAIL

NOT TO SCALE



* NOTE: 2" BIT. CONCRETE PAVEMENT REQUIRED WHERE SLOPE EXCEEDS 10%
** MAXIMUM SLOPE IS 14%

DRIVEWAY INSTALLATION DETAIL

NOT TO SCALE

ROB HELLSTROM
LAND SURVEYING LLC
32 MAIN STREET
HEBRON, CT., 06248
(860) 228-9853
(860) 228-1360 (FAX)
hellstromsurveying@yahoo.com
www.hellstromlandsurveying.com

Mailing Address:
P.O. BOX 497
COLUMBIA, CT. 06237-0497

Designed By: MAR
Drawn By: MAR
Checked By:
CAD File: 20042

Drawing Scale: AS NOTED
Drawing date: 7/14/2020

Rev.	Date	Revision	By

SITE DETAILS

PROJECT TITLE: MEYERS SUBDIVISION
DANIEL STREET EAST HAMPTON, CT

PREPARED FOR: CT CONTRACTORS GROUP, LLC
DANIEL STREET EAST HAMPTON, CT

CIVIL ENGINEERING CONSULTANTS
68 BOGG LANE
LEBANON, CT
(860) 4657419
RES
Reynolds Engineering Services, LLC

Drawing #: D–1.01

Job #: 20042.00

Form # 2 Alternate — Technical Standards for Subsurface Sewage Disposal Systems

CHATHAM HEALTH DISTRICT SITE INVESTIGATION FOR A SUBSURFACE SEWAGE DISPOSAL SYSTEM

Location: Lot 13-51-1 Young St/Daniel St (14.7 acres), East Hampton — Weather: 75 Sunny

Percent Slope: Varies — Parent Material: Canton/Charlton, Ridgebury/Leicester — Date: 6/23/2020 Time: 11:30

Completed by: Ryan McCammon (P.E. or Certified Local Health Agent) — Accuracy Assured by (if P.E. completed form): Ryan McCammon (Certified Local Health Agent)

Others Present for Site Investigation: Jaime Ellis, RS and Mark Reynolds, PE (Installer, Developer, P.E., etc.)

Test Pit #: 1-72" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: N/I — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-11"	Dark Brown				topsoil	3	friable	Yes	
B1	11-42"	Orange Brown				med loamy sand	15	very friable	Yes	
C1	42-72"	Tan/Grey	55"	Orange	15%	med loamy sand		firm	No	

Test Pit #: 3-80" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: N/O — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-10"	Dark Brown				topsoil	3	friable	Yes	
B1	10-37"	Orange Brown				med sandy loam	15	very friable	Yes	
C1	37-80"	Tan/Grey	45"	Orange	15%	med loamy sand		firm	No	Rotten Rock

Test Pit #: 4-80" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: N/O — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-21"	Dark Brown				topsoil	3	friable	Yes	
B1	21-60"	Orange Brown				med sandy loam	10	friable	Yes	
C1	60-80"	Tan/Grey	61"	Orange	15%	med loamy sand	10	firm	No	

Lot 13-51-1 Young Street, East Hampton 6/23/20 5 Lot Soils Testing w Ryan McCammon, Jaime Ellis and Mark Reynolds PG 3

Test Pit #: 2-80" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: N/O — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-10"	Dark Brown				topsoil	3	friable	Yes	
B1	10-36"	Orange Brown				coarse loamy sand	10	very friable	Yes	
C1	36-80"	Tan/Grey	36"	Orange	15%	med loamy sand	10	firm	No	

Test Pit #: 14-78" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: N/O — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-13"	Dark Brown				topsoil	3	friable	Yes	
B1	13-36"	Orange Brown				coarse loamy sand	10	very friable	Yes	
C1	36-80"	Tan/Grey	36"	Orange	15%	coarse loamy sand	10	firm	No	Rotten Rock

Test Pit #: 15-64" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: N/O — Observed Ledge 64"

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-13"	Dark Brown				topsoil	3	friable	Yes	
B1	6-54"	Orange Brown				med sandy loam	10	friable	Yes	
C1	54-64"	Orange Brown	54"	Orange	15%	coarse sandy loam	10	firm	No	Rotten Rock

Test Pit #: 16-72 Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: 65" — Observed Ledge 64"

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-12"	Dark Brown				topsoil	3	friable	Yes	
B1	12-37"	Orange Brown				med sandy loam	10	friable	Yes	
C1	37-50"	Orange Brown				coarse loamy sand	20	very friable	No	
C2	50-64"	Tan	50"	Orange	15%	medium sand	5	very friable	No	

Test Pit #: 13-72" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: 65" — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-9"	Dark Brown				topsoil	3	friable	Yes	
B1	9-25"	Orange Brown				med sandy loam	10	friable	Yes	
C1	25-48"	Orange Brown				coarse loamy sand	20	very friable	No	
C2	48-72"	Red Brown	48"	Orange	15%	medium sand	5	very friable	No	

Test Pit #: 18-72" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: 68" — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-7"	Dark Brown				topsoil	3	friable	Yes	
B1	7-26"	Orange Brown				med sandy loam	10	friable	Yes	
C1	26-48"	Orange Brown				med sandy loam	10	friable	No	Boulders
C2	48-68"	Red Brown	46"	Orange	15%	medium sand	5	firm	No	

Lot 13-51-1 Young Street, East Hampton 6/23/20 5 Lot Soils Testing w Ryan McCammon, Jaime Ellis and Mark Reynolds PG 4

Test Pit #: 19-65" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: 60" — Observed Ledge Possible 65"

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-6"	Dark Brown				topsoil	3	friable	Yes	
B1	6-31"	Orange Brown				med sandy loam	10	friable	Yes	Boulders
C1	31-60"	Light Grey	31"	Orange	15%	fine silty loam	5	firm	No	

Test Pit #: 17-72" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: 67" — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-8"	Dark Brown				topsoil	3	friable	Yes	
B1	8-53"	Orange Brown	38"	Orange	10	fine sandy loam	10	friable	Yes	Boulders
C1	53-72"	Light Grey	53	Orange	15%	fine silty loam	5	firm	No	

Test Pit #: 20-76" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: 70" — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-7"	Dark Brown				topsoil	3	friable	Yes	
B1	8-38"	Orange Brown				fine sandy loam	10	friable	Yes	Boulders
C1	38-70"	Light Grey	38"	Orange	15%	fine silty loam	5	firm	No	

Test Pit #: 5-78" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: N/O — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-8"	Dark Brown				topsoil	3	friable	Yes	
B1	8-33"	Orange Brown				med sandy loam	10	friable	Yes	Boulders
C1	33-78"	Tan/Grey	42"	Orange	15%	med sandy loam	5	firm	No	

Test Pit #: 8-72" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: N/O — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-8"	Dark Brown				topsoil	3	friable	Yes	
B1	8-26"	Orange Brown				med sandy loam	10	friable	Yes	Boulders
C1	26-40"	Tan/Grey				coarse loamy sand	5	very friable	No	
C2	40-72"	Tan/Grey	40"	Orange	15%	med sandy loam	5	firm	No	

Test Pit #: 7-72" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: N/O — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-8"	Dark Brown				topsoil	3	friable	Yes	
B1	8-36"	Orange Brown				med sandy loam	10	friable	Yes	Boulders
C1	36-72"	Tan/Grey	36"	Orange	10%	med sandy loam	5	firm	No	

Lot 13-51-1 Young Street, East Hampton 6/23/20 5 Lot Soils Testing w Ryan McCammon, Jaime Ellis and Mark Reynolds PG 5

Test Pit #: 6-84" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: N/O — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-7"	Dark Brown				topsoil	3	friable	Yes	
B1	7-36"	Orange Brown				med sandy loam	10	friable	Yes	Boulders
C1	36-84"	Tan/Grey	43"	Orange	10%	med sandy loam	5	firm	No	Cobbles

Test Pit #: 10-70" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: N/O — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-7"	Dark Brown				topsoil	3	friable	Yes	
B1	7-36"	Orange Brown				med sandy loam	10	friable	Yes	Boulders
C1	40-70"	Tan/Grey	40"	Orange	10%	med sandy loam	5	firm	No	Cobbles

Test Pit #: 12-72" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: N/O — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-8"	Dark Brown				topsoil	3	friable	Yes	
B1	8-40"	Orange Brown				med sandy loam	10	friable	Yes	Boulders
C1	40-70"	Tan/Grey	40"	Orange	10%	med sandy loam	5	firm	No	Cobbles

Following Holes Witnessed by Mark Reynolds, PE

Test Pit #: 9-72" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: N/O — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-7"	Dark Brown				topsoil	3	friable	Yes	
B1	7-23"	Medium Brown				fine sandy loam	5	friable	Yes	
B2	23-43"	Yellow Brown	36"	Orange	10%	fine sandy loam	5	firm	Yes	
B2	43-72"	Medium Brown				med sandy loam	15	firm	No	Cobbles

Test Pit #: 11-73" Depth to Observed Ground-Water (inches): Weeping: N/O — Standing: N/O — Observed Ledge N/O

Soil Horizon	Depth (inches)	Matrix Color (moist)	Redoximorphic Features: Depth	Color	%	Soil Texture (USDA)	Gravel Percent	Soil Consistence	Roots	Other
A	0-5"	Dark Brown				topsoil	3	friable	Yes	
B1	5-30"	Medium Brown				fine sandy loam	10	friable	Yes	
C1	30-73"	Yellow Brown	30"	Orange	10%	fine sandy loam	5	firm	No	Cobbles

SEPTIC DESIGN RECOMMENDATION:

LOTS: 1, 9, 12, 28, & 31 - 75 LF OF MANTIS 536-8 LEACHING UNITS

LOTS: REMAINING LOTS - 100 LF OF DOUBLE INFILTRATOR QUICK 4 STANDARD LEACHING UNITS

PERCOLATION TEST DATA:

MARK A REYNOLDS, P.E.

Note: All readings taken from the top of the hole.

PERCOLATION TEST LOCATION 1
(LOT #1 PRIMARY - 6/23/2020)
HOLE DEPTH: 22"

TIME	DEPTH
2:07	10.0" PRESOAK
2:15	22.0"DRY
2:16	10.0" REFILL
2:20	21.0"
2:23	22.0"DRY

PERC RATE: < 5.0 min./inch

PERCOLATION TEST LOCATION 2
(LOT #1 RESERVE - 6/23/2020)
HOLE DEPTH: 22"

TIME	DEPTH
2:26	10.0" PRESOAK
2:36	22.0"DRY
2:37	10.0" REFILL
2:40	18.0"
2:45	22.0"DRY

PERC RATE: < 5.0 min./inch

PERCOLATION TEST LOCATION 3
(LOT #2 PRIMARY - 6/23/2020)
HOLE DEPTH: 22"

TIME	DEPTH
2:28	10.0" PRESOAK
2:35	21.0"DRY
2:36	8.5" REFILL
2:40	14.25"
2:45	18.0"
2:50	20.5"DRY

PERC RATE: < 5.0 min./inch

PERCOLATION TEST LOCATION 4
(LOT #2 RESERVE - 6/23/2020)
HOLE DEPTH: 22"

TIME	DEPTH
2:41	10.0" PRESOAK
2:49	21.5" DRY
2:50	9.5" REFILL
2:55	16.25"
3:00	19.75"
3:02	21.0"DRY

PERC RATE: <5.0 min./inch

PERCOLATION TEST LOCATION 5
(LOT #3 PRIMARY - 6/23/2020)
HOLE DEPTH: 24"

TIME	DEPTH
2:43	10.0" PRESOAK
3:04	23.75" DRY
3:06	11.0" REFILL
3:10	13.25"
3:15	15.75"
3:20	17.75"
3:25	19.0"
3:30	20.25"
3:35	21.5"
3:40	22.75" DRY

PERC RATE: 4.0 min./inch

PERCOLATION TEST LOCATION 6
(LOT #3 RESERVE - 6/23/2020)
HOLE DEPTH: 24"

TIME	DEPTH
2:51	10.0" PRESOAK
3:05	23.5"DRY
3:07	12.0" REFILL
3:10	15.0"
3:15	17.5"
3:20	19.25"
3:25	20.5"
3:30	21.75"
3:35	23.0"DRY

PERC RATE: 4.0 min./inch

PERCOLATION TEST LOCATION 7
(LOT #4 PRIMARY - 6/23/2020)
HOLE DEPTH: 24"

TIME	DEPTH
12:08	12.0" PRESOAK
1:15	23.0"DRY
1:28	11.0" REFILL
1:35	16.25"
1:40	17.75"
1:45	19.25"
1:50	20.25"
1:55	21.25"
2:00	22.25"
2:02	22.5"DRY

PERC RATE: 5.0 min./inch

PERCOLATION TEST LOCATION 8
(LOT #4 RESERVE - 6/23/2020)
HOLE DEPTH: 25"

TIME	DEPTH
12:25	11.0" PRESOAK
1:16	24.0"DRY
1:30	12.0" REFILL
1:35	16.25"
1:40	18.5"
1:45	20.25"
1:50	21.25"
1:55	22.25"
2:00	23.25"
2:03	23.5"DRY

PERC RATE: 5.0 min./inch

PERCOLATION TEST LOCATION 9
(LOT #5 PRIMARY - 6/23/2020)
HOLE DEPTH: 23"

TIME	DEPTH
11:21	11.0" PRESOAK
11:51	23.0"DRY
12:31	11.0" REFILL
12:35	16.0"
12:40	18.75"
12:45	20.0"
12:50	21.25"
12:55	22.5"DRY

PERC RATE: 4.0 min./inch

PERCOLATION TEST LOCATION 10
(LOT #5 RESERVE - 6/23/2020)
HOLE DEPTH: 23"

TIME	DEPTH
11:44	11.5" PRESOAK
12:28	22.5"DRY
12:34	10.5" REFILL
12:35	12.75"
12:40	15.375"
12:45	17.0"
12:50	18.0"
12:55	19.0"
1:00	20.0"
1:05	21.0"
1:09	21.75" DRY

PERC RATE: 5.0 min./inch

MINIMUM LEACHING SYSTEM SPREAD (MLSS) CALCULATIONS:

LOT #1

Receiving Soil Depth: 49.25" (Avg. of TP #1-4)
Slope: 10.1-15.0%
Hydraulic Factor: 14
Flow Factor: 4 Bedrooms: 1.75
Percolation Factor: 1.0

MLSS: 14 x 1.75 x 1.0 = 24.5 LF

LOT #2

Receiving Soil Depth: 40.25" (Avg. of TP #5-8)
Slope: 10.1-15.0%
Hydraulic Factor: 18
Flow Factor: 4 Bedrooms: 1.75
Percolation Factor: 1.0

MLSS: 18 x 1.75 x 1.0 = 31.5 LF

LOT #3

Receiving Soil Depth: 36.5" (Avg. of TP #9-12)
Slope: 10.1-15.0%
Hydraulic Factor: 18
Flow Factor: 4 Bedrooms: 1.75
Percolation Factor: 1.0

MLSS: 18 x 1.75 x 1.0 = 31.5 LF

LOT #4

Receiving Soil Depth: 47" (Avg. of TP #13-16)
Slope: 10.1-15.0%
Hydraulic Factor: 16
Flow Factor: 4 Bedrooms: 1.75
Percolation Factor: 1.0

MLSS: 16 x 1.75 x 1.0 = 28 LF

LOT #5

Receiving Soil Depth: 38.25" (Avg. of TP #17-20)
Slope: 10.1-15.0%
Hydraulic Factor: 18
Flow Factor: 4 Bedrooms: 1.75
Percolation Factor: 1.0

MLSS: 18 x 1.75 x 1.0 = 31.5 LF

ROB HELLSTROM
LAND SURVEYING LLC
32 MAIN STREET
HEBRON, CT., 06248
(860) 228-9853
(860) 228-1360 (FAX)
hellstromsurveying@yahoo.com
www.hellstromlandsurveying.com

Mailing Address:
P.O. BOX 497
COLUMBIA, CT. 06237-0497

Designed By: MAR
Drawn By: MAR
Checked By:
CAD File: 20042

Drawing Scale: AS NOTED
Drawing date: 7/14/2020

Rev.	Date	Revision	By

SOILS INFORMATION

PROJECT TITLE: MEYERS SUBDIVISION — EAST HAMPTON, CT
PREPARED FOR: CT CONTRACTORS GROUP, LLC — DANIEL STREET — EAST HAMPTON, CT

CIVIL ENGINEERING CONSULTANTS
68 BOGG LANE
LEBANON, CT
(860) 4657419
RES
Reynolds Engineering Services, LLC

Drawing #: D-1.02

Job #: 20042.00