



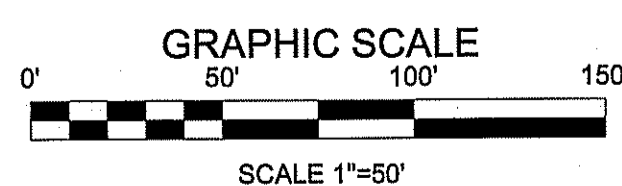
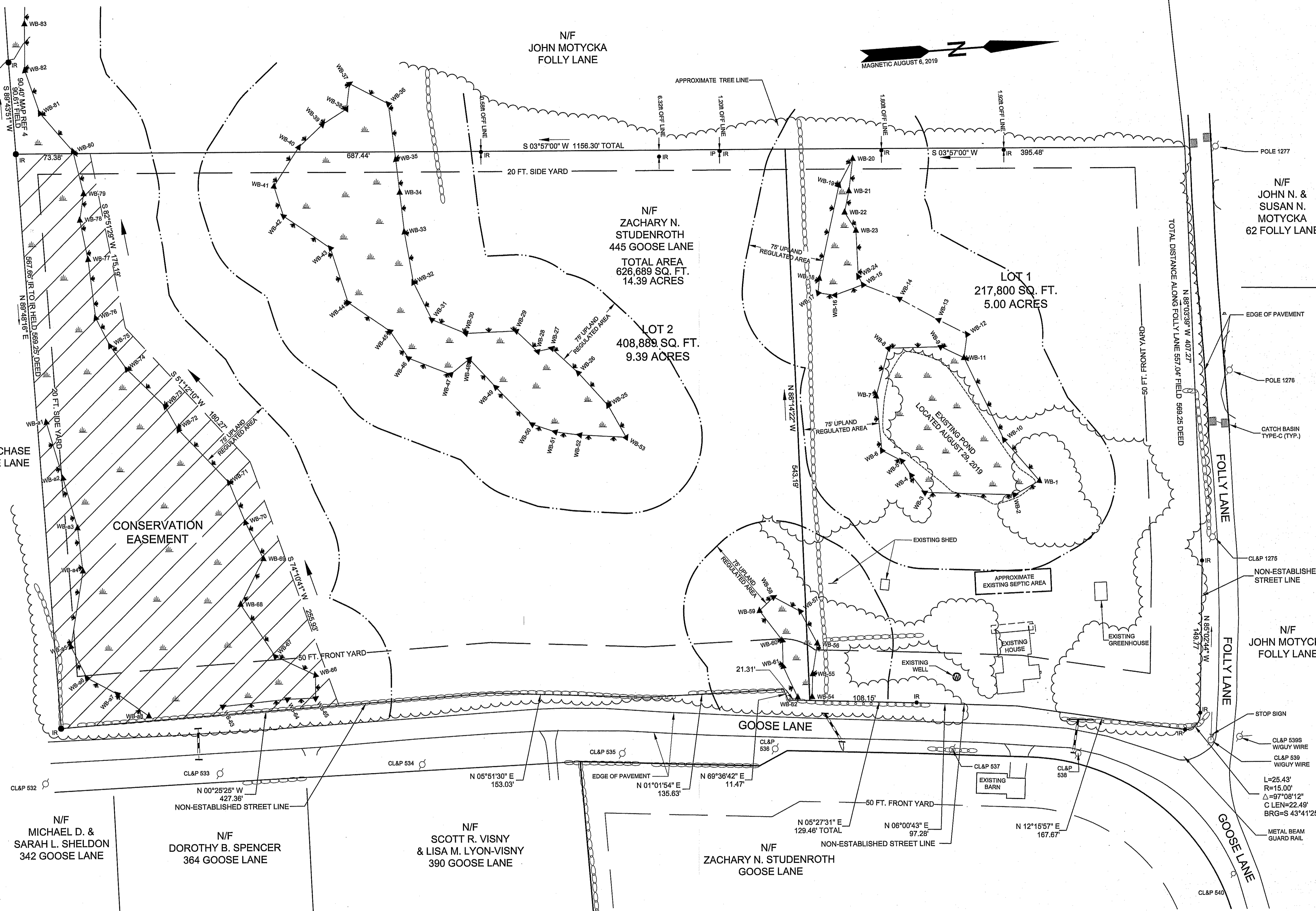
KEY MAP
SCALE 1"=1000'

| NRCS WEB SOIL SURVEY SOILS MAP LEGEND | |
|---------------------------------------|--|
| 3 | RIDGEBURY, LEICESTER AND WHITMAN SOILS, 0 - 8% SLOPES, EXTREMELY STONY |
| 46C | WOODBIDGE FINE SANDY LOAM, 0 - 15% SLOPES, VERY STONY |
| 47C | WOODBIDGE FINE SANDY LOAM, 3 - 15% SLOPES, EXTREMELY STONY |
| 61B | CANTON AND CHARLTON FINE SANDY LOAMS, 0 - 8% SLOPES, VERY STONY |
| 61C | CANTON AND CHARLTON FINE SANDY LOAMS, 8 - 15% SLOPES, VERY STONY |
| 85B | FAXTON AND MONTALK FINE SANDY LOAMS 3-8% SLOPES, VERY STONY |

- SURVEY NOTES:**
- 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 ACCURACY, CONTENT AND CERTIFICATIONS FOR SURVEYS AND MAPS, AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON AUGUST 28, 2019. IT IS A LIMITED PROPERTY/BOUNDARY SURVEY SUBDIVISION MAP. THE PORTION OF THE EXTERIOR BOUNDARY SHOWN IS BASED ON A RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2 AND THE BOUNDARY LINES OF THE PROPOSED LOTS IS AN ORIGINAL SURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2. TOPOGRAPHY SHOWN CONFORMS TO TOPOGRAPHIC SURVEY ACCURACY CLASS T-3.
 - THE PROPERTY IS LOCATED IN A R-80 ZONE.
 - THE EXISTING HOUSE IS NON-CONFORMING TO CURRENT TOWN OF COVENTRY ZONING REGULATIONS FOR FRONT YARD SET BACK REQUIREMENTS.
 - MINOR IRREGULARITIES MAY EXIST IN STONEWALLS BETWEEN PRINCIPAL COURSES SHOWN.
 - TOPOGRAPHY SHOWN WAS PROVIDED BY GOLDEN AERIAL SURVEYS BASED ON GROUND CONTROL PROVIDED BY BUSHNELL ASSOCIATES LLC.

MAP REFERENCES:

1. PLAN PREPARED FOR CONRAD KUNZ & ANDERS WISNEWSKI 445 GOOSE LANE COVENTRY, CT. BOUNDARY / PROPERTY SURVEY SCALE: 1"=50' DATE: 08/12/2019 FILE NO. 2019-24 SHEET 1 OF 1 BUSHNELL ASSOCIATES LLC, CIVIL ENGINEERING AND LAND SURVEYING 563 WOODBRIDGE STREET MANCHESTER, CT. 06042 860-643-7875 REVISIONS: 7/29/2021



OWNER/APPLICANT: ZACHARY STUDENROTH
PO. BOX 2492
SAG HARBOR, Y. 11963

TOTAL AREA OF SUBDIVISION:
626,689 SQ. FT. / 14.39 ACRES

THE WETLAND SOILS ON THIS MAP WERE IDENTIFIED IN THE FIELD USING THE CRITERIA REQUIRED BY CT PA 72-155 AS AMENDED BY PA 73-571 AND ARE SUBSTANTIALLY ACCURATELY REPRESENTED ON THIS PLAN.

RICHARD ZULICK
CERTIFIED SOIL SCIENTIST _____ DATE _____

- LEGEND**
- EXISTING IRON ROD
 - EXISTING WELL
 - ▭ STONE WALL
 - EXISTING UTILITY POLE
 - ▲ WB 20 WETLANDS FLAG
 - EDGE OF FIELD LOCATED WETLANDS

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

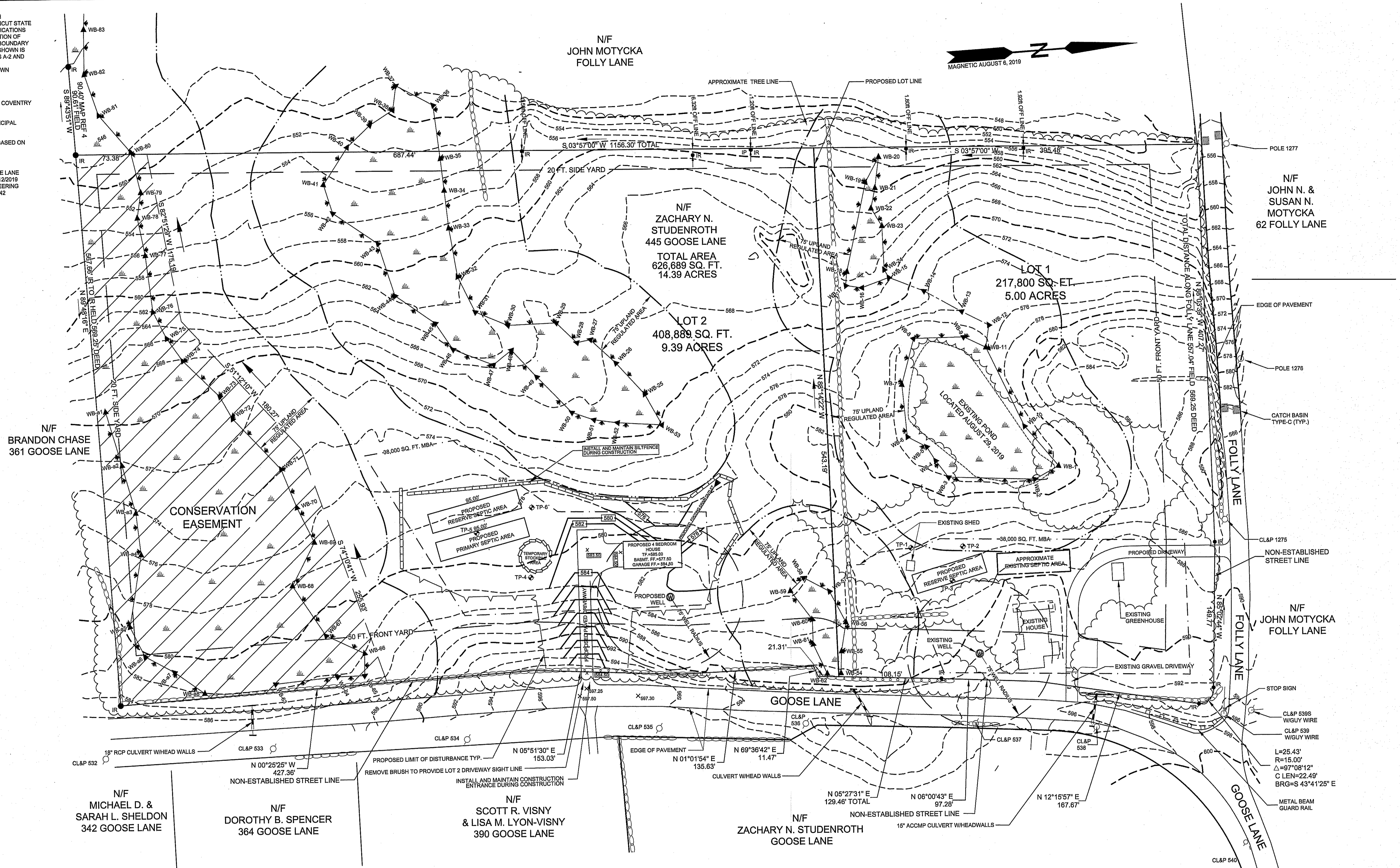
ANDREW F. BUSHNELL P.E. L.S. 24591
THIS MAP IS NOT VALID UNLESS IT BEARS THE EMBOSSED SEAL OF THE LICENSED LAND SURVEYOR WHOSE REGISTRATION NUMBER AND SIGNATURE APPEAR ABOVE.

PLAN PREPARED FOR
ZACHARY N. STUDENROTH
445 GOOSE LANE COVENTRY, CT.
SUBDIVISION MAP
SCALE: 1"=50' DATE: 1/26/2022 FILE NO. 2021-119 SHEET: 1 OF 3
BUSHNELL ASSOCIATES LLC.
CIVIL ENGINEERING AND LAND SURVEYING
563 WOODBRIDGE STREET MANCHESTER, CT. 06042
860-643-7875
REVISIONS:

SURVEY NOTES:
 1. 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 ACCURACY, CONTENT AND CERTIFICATIONS FOR SURVEYS AND MAPS", AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. ON AUGUST 29, 2019. IT IS A LIMITED PROPERTY BOUNDARY SURVEY SUBDIVISION MAP. THE PORTION OF THE EXTERIOR BOUNDARY SHOWN IS BASED ON A RESURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2 AND THE BOUNDARY LINES OF THE PROPOSED LOTS IS AN ORIGINAL SURVEY CONFORMING TO HORIZONTAL ACCURACY CLASS A-2. TOPOGRAPHY SHOWN CONFORMS TO TOPOGRAPHIC SURVEY ACCURACY CLASS T-3.

2. THE PROPERTY IS LOCATED IN A R-80 ZONE.
 3. THE EXISTING HOUSE IS NON-CONFORMING TO CURRENT TOWN OF COVENTRY ZONING REGULATIONS FOR FRONT YARD SET BACK REQUIREMENTS.
 4. MINOR IRREGULARITIES MAY EXIST IN STONEWALLS BETWEEN PRINCIPAL COURSES SHOWN.
 5. TOPOGRAPHY SHOWN WAS PROVIDED BY GOLDEN AERIAL SURVEYS BASED ON GROUND CONTROL PROVIDED BY BUSHNELL ASSOCIATES LLC.

MAP REFERENCES:
 1. PLAN PREPARED FOR CONRAD KLINZ & ANDERS WISNEWSKI 445 GOOSE LANE COVENTRY, CT. BOUNDARY / PROPERTY SURVEY SCALE: 1"=50' DATE 08/12/2019 FILE NO. 2019-24 SHEET 1 OF 1 BUSHNELL ASSOCIATES LLC, CIVIL ENGINEERING AND LAND SURVEYING 563 WOODBRIDGE STREET MANCHESTER, CT. 06042 860-643-7875 REVISIONS: 7/29/2021



LEGEND

- EXISTING IRON ROD
- EXISTING/PROPOSED WELL
- STONE WALL
- EXISTING UTILITY POLE
- ▲ WB 20 WETLANDS FLAG
- EDGE OF FIELD LOCATED WETLANDS
- PROPOSED SPOT GRADE
- EXISTING SPOT GRADE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED LIMIT OF DISTURBANCE
- PROPOSED SILT FENCE / LIMIT OF DISTURBANCE

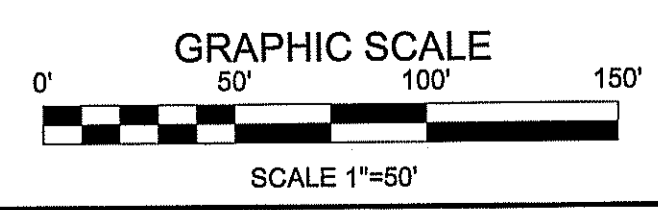
APPROVED
 COVENTRY PLANNING & ZONING COMMISSION

CHAIRPERSON-SECRETARY _____ DATE _____
 THIS 5 YEAR APPROVAL PERIOD EXPIRES ON _____ FOR SPECIFIC CONDITIONS OF APPROVAL

THE WETLAND SOILS ON THIS MAP WERE IDENTIFIED IN THE FIELD USING THE CRITERIA REQUIRED BY CT PA 72-155 AS AMENDED BY PA 73-571 AND ARE SUBSTANTIALLY ACCURATELY REPRESENTED ON THIS PLAN.

RICHARD ZULICK
 CERTIFIED SOIL SCIENTIST

DATE _____



ALL PROPOSED LOTS COMPLY WITH THE MINIMUM BUILDABLE LAND CRITERIA SEC. 4.04.04 OF THE COVENTRY ZONING REGULATIONS.

ANDREW F. BUSHNELL P.E. L.S.

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

ANDREW F. BUSHNELL P.E. L.S. 24591
 THIS MAP IS NOT VALID UNLESS IT BEARS THE EMBOSSED SEAL OF THE LICENSED LAND SURVEYOR WHOSE REGISTRATION NUMBER AND SIGNATURE APPEAR ABOVE.

PLAN PREPARED FOR

ZACHARY N. STUDENROTH

445 GOOSE LANE COVENTRY, CT.

EROSION & SEDIMENTATION CONTROL PLAN

SCALE: 1"=50' DATE: 1/26/2022 FILE NO. 2021-119 SHEET: 2 OF 3

BUSHNELL ASSOCIATES LLC.

CIVIL ENGINEERING AND LAND SURVEYING

563 WOODBRIDGE STREET MANCHESTER, CT. 06042

860-643-7875

REVISIONS:

EROSION CONTROL CONSTRUCTION SEQUENCE PLAN HOUSE LOT DEVELOPMENT
NOTE: ALL EROSION AND SEDIMENT CONTROL ACTIVITIES SHALL CONFORM TO THE METHODS OUTLINED
IN THE 2002 CONNECTICUT GUIDELINES FOR EROSION AND SEDIMENT CONTROL MANUAL.

- COORDINATE MARKING OF LIMITS OF DISTURBANCE BY A LICENSED LAND SURVEYOR. SUPPLY TOWN EROSION CONTROL OFFICER WITH A LETTER FROM THE SURVEYOR CERTIFYING THE LIMITS OF DISTURBANCE WERE MARKED IN ACCORDANCE WITH THE APPROVED PLAN.
- CLEAR TREES AS REQUIRED.
- PRIOR TO SOIL DISTURBANCE INSTALL EROSION CONTROL MEASURES. SILT FENCE AND ANTI-TRACKING PAD (SEE PLAN DETAILS AND LOCATIONS). ADDITIONAL MEASURES MAY BE REQUIRED AS SITE CONDITIONS REQUIRE. COORDINATE AN INSPECTION OF INSTALLED MEASURES WITH THE EROSION CONTROL OFFICER. SUPPLY THE TOWN OF COVENTRY EROSION CONTROL OFFICER WITH THE NAME AND PHONE NUMBER OF A CONTACT PERSON RESPONSIBLE FOR THE EROSION CONTROL MEASURES.
- PERIODICALLY AND AFTER LARGE RAIN EVENTS INSPECT EROSION CONTROL MEASURES AND REPAIR AS NECESSARY.
- GRUB AND STRIP TOPSOIL. STOCKPILE TOPSOIL IN AREAS INDICATED ON THE APPROVED PLAN.
- CONSTRUCT AND STABILIZE DRIVEWAY.
- CONSTRUCT HOUSE, WELL, DRIVEWAY, SEPTIC SYSTEM AND OTHER IMPROVEMENTS AS SHOWN.
- SPREAD STOCKPILED TOPSOIL. MACHINE RAKE, FERTILIZE, SEED AND MULCH DISTURBED AREAS. USE GRASS SEED THAT IS ACCEPTABLE FOR THE SITE CONDITIONS (I.E. SUN OR SHADE) AND THE SEASON OF THE YEAR IN WHICH THIS ACTIVITY IS COMPLETED. PROVIDE TEMPORARY STABILIZATION OF THE SITE (I.E. STRAW OR HAY ETC.) IF THE TOPSOIL IS SPREAD DURING A TIME OF YEAR WHEN GRASS SEED WILL NOT GERMINATE. PROVIDE PERMANENT STABILIZATION WHEN WEATHER CONDITIONS ALLOW.
- REMOVE EROSION CONTROL MEASURES AFTER THE SITE HAS BECOME FULLY ESTABLISHED.
- ANY EXISTING DISTURBED AREAS MUST BE SEEDED WITH PERMANENT OR TEMPORARY GROUND COVER AND MULCHED BY OCTOBER 15.
- DEWATERING OPERATIONS, IF REQUIRED, SHALL UTILIZE A CRUSHED STONE INTAKE SUMP AND A TEMPORARY OUTLET SILT POOL LOCATED WITHIN THE LIMITS OF DISTURBANCE.

SITE SEEDING NOTES:
PREPARATION: FINE GRADE AND RAKE SOIL SURFACE TO REMOVE STONES LARGER THAN 2" IN DIAMETER. INSTALL SEEDED EROSION CONTROL DEVICES SUCH AS SURFACE WATER DIVERSIONS AS REQUIRED. APPLY LIMESTONE AT A RATE OF 2 TONS/AC. OR 90 LBS./1000 SQ.FT. FERTILIZE WITH 10-10-10 AT A RATE OF 300 LBS./AC. OR 7.5 LBS. PER 1000 SQ.FT. WORK LIME AND FERTILIZER INTO SOIL UNIFORMLY TO A DEPTH OF 4".

SEED APPLICATION: APPLY SEED MIXTURE FROM THE CHART BELOW BY HAND, CYCLONE SEEDER OR HYDRO SEEDER. INCREASE SEED MIXTURE BY 10% IF HYDRO SEEDER IS USED. LIGHTLY DRAG OR ROLL THE SEEDED SURFACE TO COVER SEED. SEEDING SHOULD BE DONE BETWEEN THE TIMES SHOWN ON THE CHART BELOW. IF SEEDING CANNOT BE DONE DURING THESE TIMES, REPEAT MULCHING PROCEDURE BELOW UNTIL SEEDING CAN TAKE PLACE.

MULCHING: IMMEDIATELY FOLLOWING SEEDING, MULCH THE SEED SURFACE WITH STRAW OR HAY AT A RATE OF 2 TO 3 TONS/AC. SPREAD MULCH BY HAND OR MULCH BLOWER. PUNCH MULCH INTO SOIL SURFACE WITH A TRACK MACHINE OR DISK HARROW SET STRAIGHT UP. IF USING HYDRO SEED MIX USE TACTIFIER ADDITIVES TO ADHERE MULCH MATERIAL TO THE SURFACE.

| SEED SELECTION: | LB/1000 SQ. FT. | SEED MIXTURE | RECOMMENDED SEEDING DATES |
|----------------------|-----------------|---------------------|---------------------------|
| PERMANENT LAWN | 0.45 | KENTUCKY BLUEGRASS | 4/1-6/15 |
| | 0.45 | CREeping RED FESCUE | 8/15-10/1 |
| | 0.10 | PERENNIAL RYEGRASS | |
| SLOPES & COARSE LAWN | 0.45 | CREeping RED FESCUE | 4/1-6/15 |
| | 0.05 | RED TOP | 8/15-10/1 |
| | 0.45 | TALL FESCUE | |
| SLOPES (NO MOWING) | 1.8 | CREeping RED FESCUE | 4/1-6/15 |
| | 0.2 | RED TOP | 8/15-10/1 |
| TEMPORARY COVER | 3.0 | WINTER RYE | 4/15-6/15, 8/15-10/15 |
| | 1.0 | ANNUAL RYEGRASS | 3/1-6/15, 8/1-10/15 |

IF SEED IS PLANTED OUTSIDE THE RECOMMENDED SEEDING DATES IRRIGATION MAYBE REQUIRED AT A UNIFORM APPLICATION RATE OF 1 TO 2 INCHES OF WATER APPLIED PER APPLICATION, SOAKING THE GROUND TO A DEPTH OF 4 INCHES.

- GENERAL NOTES:
- ALL WORK SHALL CONFORM TO THE TOWN OF COVENTRY REGULATIONS AND STANDARDS AND SPECIFICATIONS.
 - UNDERGROUND UTILITIES MAY EXIST IN THE AREA OF THIS SURVEY. CONTRACTOR TO VERIFY THE PRESENCE AND EXACT LOCATION OF ANY UNDERGROUND UTILITIES PRIOR TO THE START OF CONSTRUCTION.
 - ANY TREES TO BE REMOVED WITHIN THE TOWN ROAD RIGHT OF WAY MUST BE POSTED BY THE TREE WARDEN PRIOR TO REMOVAL.
 - SOLAR ORIENTATION OF THE PROPOSED HOUSE LOCATION WAS TAKEN INTO CONSIDERATION THE HOUSE SHOWN ON THIS PLAN IS FOR FEASIBILITY. THE HOMEOWNER WILL HAVE SOME FLEXIBILITY CONCERNING THE FINAL HOUSE LOCATION.
 - PROPOSED DRIVEWAY SHALL NOT EXCEED 15% SLOPES.
 - NO UNDERGROUND STORAGE TANKS ARE TO BE INSTALLED EXCEPT PROPANE.
 - PRIOR TO THE ISSUANCE OF A CERTIFICATE OF USE AND COMPLIANCE FOR THE PROPOSED HOUSE:
 - ALL REQUIRED BOUNDARY MONUMENTS SHALL BE SET BY A LICENSED LAND SURVEYOR. THE LAND SURVEYOR SHALL SUPPLY THE PLANNING AND ZONING DEPARTMENT WITH A LETTER VERIFYING THE SETTING OF THE REQUIRED MONUMENTATION.
 - ALL GRADING AND CLEARING, ESPECIALLY FOR PROPER SIGHT LINE AND INSTALLATION OF DRIVEWAY APRON SHALL BE COMPLETED AND INSPECTED BY THE TOWN OF COVENTRY.
 - STREET NUMBERS FOR THE PROPOSED HOUSE SHALL BE PLACED ON THE FRONT OF THE HOUSE OR IN AN AREA MORE VISIBLE FROM THE STREET AND APPROVED BY THE TOWN OF COVENTRY.
 - THE PROPOSED DRIVEWAYS SHALL BE BUILT IN THE DEPICTED LOCATION OR IN A LOCATION WITH EQUIVALENT OR BETTER SIGHT LINE AND DRAINAGE CONDITIONS AS DETERMINED BY THE ZONING AGENT AND/OR SUPERINTENDENT OF STREETS. THE DRIVEWAY SHALL HAVE A PAVED APRON.
 - ALL DISTURBED AREAS SHALL BE TOPSOILED SEEDED AND MULCHED OR STABILIZED ACCORDING TO THE SEASON OF THE YEAR.
 - ALL OTHER REQUIREMENTS AS STATED ON THIS PLAN SHALL HAVE BEEN MET AS PER TOWN OF COVENTRY REGULATIONS.
 - A SEPTIC SYSTEM AS-BUILT PLAN SHALL BE PROVIDED TO THE EASTERN HIGHLANDS HEALTH DISTRICT BY THE LICENSED SEPTIC SYSTEM INSTALLER.

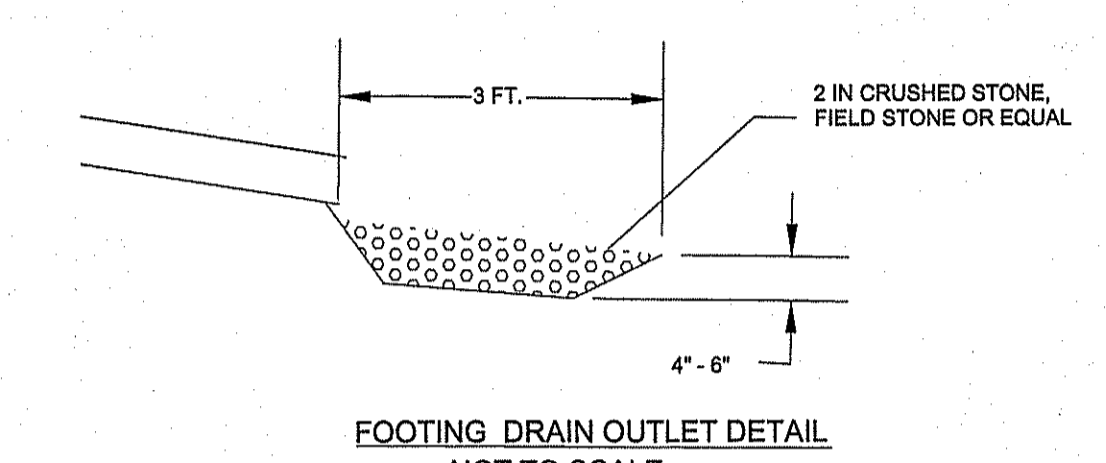
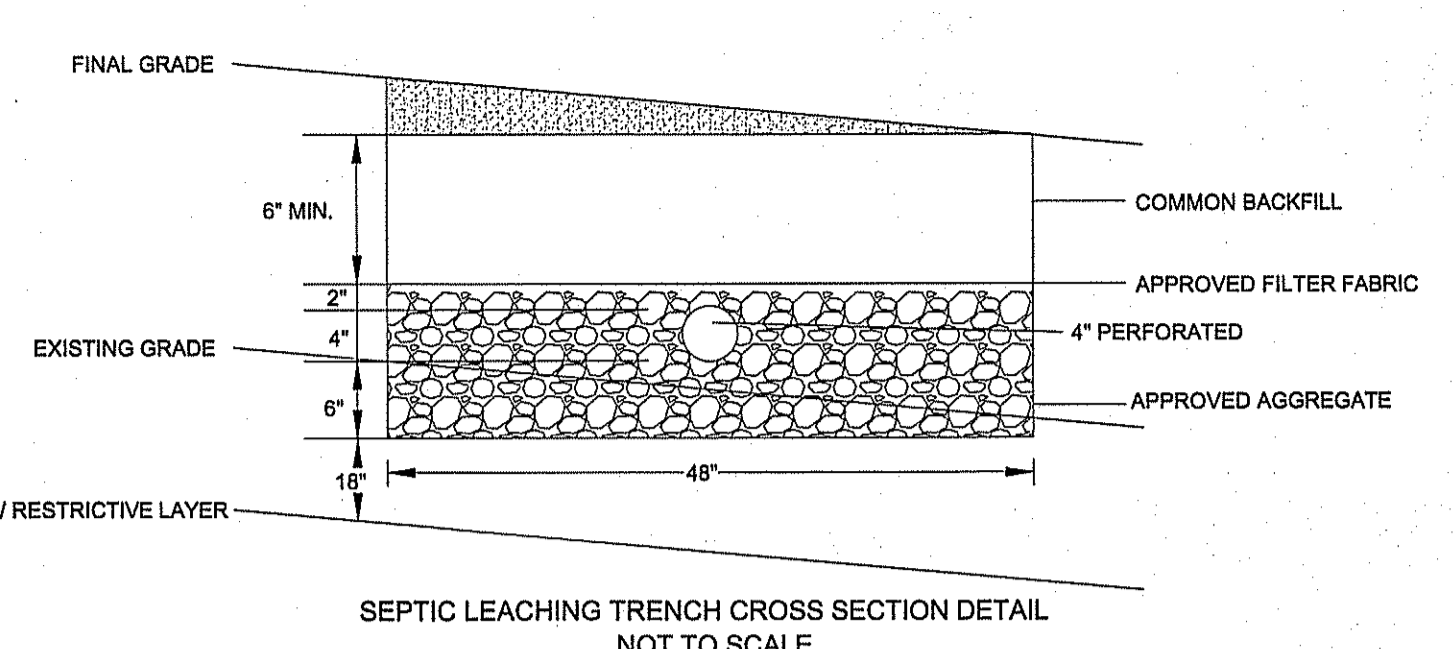
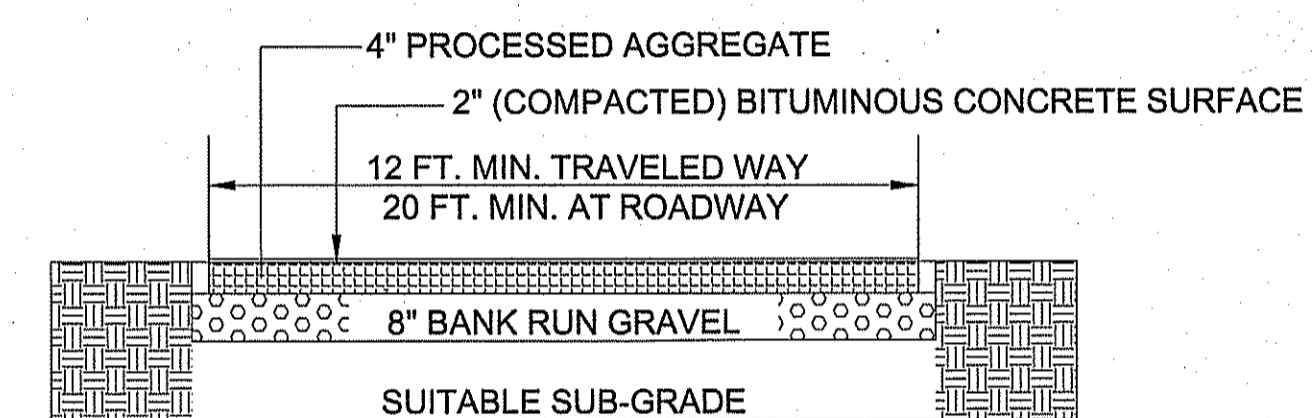
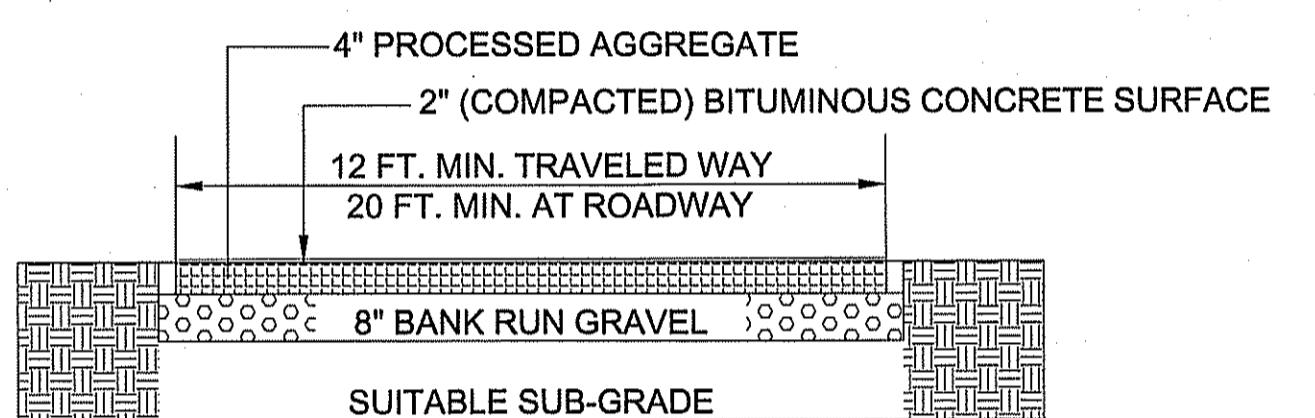
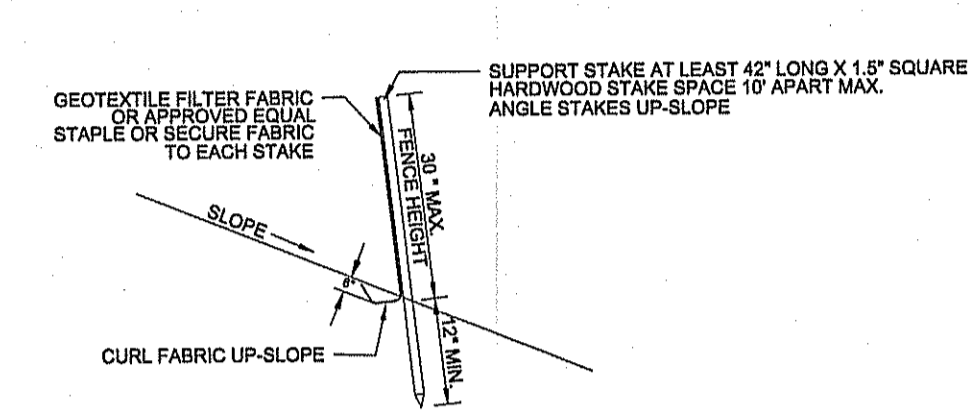
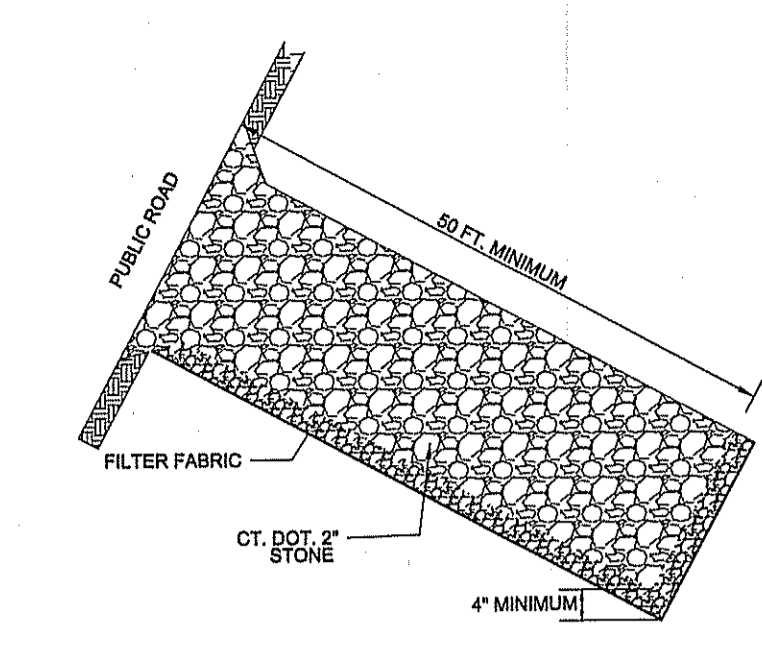
- NO LIQUID OR SOLID CHEMICAL FERTILIZERS, PESTICIDES, HERBICIDES OR PETROLEUM DUST CONTROL AGENTS SHALL BE APPLIED ON THIS SITE.
- OWNER AND/OR CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY PERMITS.
- LIMIT OF INDIVIDUAL LOT DISTURBANCE IS TYPICALLY DELINEATED BY THE SILT FENCE SYMBOLS SHOWN ON THE PLANS.
- PROPOSED HOUSE, SEPTIC, DRIVEWAY, FOOTING DRAIN AND LIMIT OF DISTURBANCE LOCATIONS SHOWN ARE PRELIMINARY. LOCATIONS MAY CHANGE WITH FINAL LOT DESIGN.
- ALL UTILITIES SHALL BE APPROVED BY THE LOCAL UTILITY COMPANIES PRIOR TO CONSTRUCTION. ALL UTILITIES SHALL BE CONSTRUCTED TO LOCAL UTILITY COMPANY SPECIFICATIONS AND INSTALLED UNDERGROUND.
- ANY DRAINAGE, COMMON DRIVEWAY, CONSERVATION, UTILITY AND ANY OTHER APPLICABLE EASEMENTS SHALL BE PLACED ON THE DEEDS FOR EACH LOT AFFECTED.
- INDIVIDUAL SITE PLAN IS REQUIRED FOR LOT 2 PRIOR TO HOUSE CONSTRUCTION. THE PLAN SHALL SHOW THE FOLLOWING: PROPOSED EROSION AND SEDIMENT CONTROLS, HOUSE LOCATION, SEPTIC SYSTEM, WELL, DRIVEWAY, CURTAIN DRAINS (IF REQUIRED), FOOTING DRAIN AND GRADING.
- STONEWALLS SHALL BE PRESERVED WHENEVER POSSIBLE. STORE AND REUSE STONES REMOVED FOR DRIVEWAY CONSTRUCTION FOR REPAIR OF STONEWALL ALONG THE PARCEL FRONTAGE.
- INDIVIDUAL CLEARING LIMITS OF LOT 2 SHALL BE FLAGGED BY A LICENSED LAND SURVEYOR AND CERTIFIED, TO THE TOWN OF COVENTRY, TO BE CONSISTENT WITH THE INDIVIDUAL LOT DEVELOPMENT PLAN PRIOR TO THE START OF ANY SITE DISTURBANCE.
- STREET TREES SHALL BE PLANTED IN ACCORDANCE WITH SECTION 120B-LANDSCAPING OF THE TOWN OF COVENTRY ROAD REGULATIONS DATED DEC. 14, 1998.

PERCOLATION TEST RESULTS
PERFORMED BY - BUSHNELL ASSOCIATES LLC

| TIME | READING | DIFFERENCE | TEST PIT 1 | TEST PIT 2 | TEST PIT 3 |
|-------------------------------------|---------|------------|--|--|--|
| 0 | 5 1/4" | - | 0-8" TOPSOIL | 0-8" TOPSOIL | 0-8" TOPSOIL |
| 5 | 5 3/4" | 1/2" | 8-19" BROWN SILTY SANDY LOAM | 8-19" BROWN SANDY LOAM | 8-19" BROWN FINE SANDY LOAM |
| 10 | 6" | 1/4" | 19-60" GREY BROWN MOTTTLED SANDY TILL | 19-60" GREY BROWN SILTY LOAM MOTTTLED | 19-60" GREY MOTTTLED SANDY LOAM SANDY TILL |
| 15 | 6 1/2" | 1/2" | DEPTH 60" | DEPTH 60" | DEPTH 60" |
| 20 | 7" | 1/2" | MOTTLING 19" | MOTTLING 19" | MOTTLING 19" |
| 25 | 7" | 1/4" | SEEPAGE 20" | SEEPAGE 20" | SEEPAGE 21" |
| 30 | 7 3/4" | 3/4" | NO LEDGE | NO LEDGE | NO LEDGE |
| 35 | 8" | 1/4" | TEST PIT 2 | TEST PIT 3 | TEST PIT 4 |
| 40 | 8 1/2" | 1/2" | 0-8" TOPSOIL | 0-8" TOPSOIL | 0-8" TOPSOIL |
| 45 | 8 3/4" | 1/4" | 8-19" BROWN SANDY LOAM | 8-19" BROWN SANDY LOAM | 8-32" BROWN SANDY LOAM |
| 50 | 9" | 1/4" | 19-60" GREY BROWN MOTTTLED SANDY TILL | 19-60" GREY BROWN SILTY LOAM MOTTTLED | 32-42" GRAVELLY SANDY LOAM W/ COBBLES |
| 55 | 9 1/2" | 1/2" | DEPTH 60" | DEPTH 60" | 42-72" MOTTTLED SANDY LOAM AND GRAVEL |
| 60 | 10" | 1/2" | MOTTLING 19" | MOTTLING 19" | DEPTH 72" |
| 65 | 10 1/4" | 1/4" | SEEPAGE 20" | SEEPAGE 20" | MOTTLING 42" |
| 70 | 10 1/2" | 1/4" | NO LEDGE | NO LEDGE | ROOTS 21" |
| 75 | 10 3/4" | 1/4" | | | NO SEEPAGE |
| 80 | 11" | 1/4" | | | NO LEDGE |
| PERCOLATION RATE = 10.1-20 MIN./IN. | | | PERCOLATION RATE = 10.1-20 MIN./IN. | | |
| PERC 2 | | | PERC 3 | | |
| 12/29/2021 | | | 12/29/2021 | | |
| PRESOAK @ 9:35 AM | | | PRESOAK @ 9:35 AM | | |
| WET START @ 10:37 AM | | | WET START @ 10:37 AM | | |
| 8" TOPSOIL | | | 8" TOPSOIL | | |
| 0 | 5 1/4" | - | 0-8" TOPSOIL | 0-8" TOPSOIL | 0-8" TOPSOIL |
| 5 | 6 3/4" | 1 1/2" | 8-19" BROWN SANDY LOAM | 8-19" BROWN SANDY LOAM | 8-32" BROWN SANDY LOAM |
| 10 | 8" | 1 1/4" | 19-60" GREY MOTTTLED SANDY LOAM SANDY TILL | 19-60" GREY MOTTTLED SANDY LOAM MOTTTLED | 32-42" GRAVELLY SANDY LOAM W/ COBBLES |
| 15 | 9" | 1" | DEPTH 60" | DEPTH 60" | 42-72" MOTTTLED SANDY LOAM AND GRAVEL |
| 20 | 10" | 1" | MOTTLING 19" | MOTTLING 19" | DEPTH 72" |
| 25 | 11" | 1" | SEEPAGE 20" | SEEPAGE 20" | MOTTLING 42" |
| 30 | 11 3/4" | 3/4" | NO LEDGE | NO LEDGE | ROOTS 21" |
| 35 | 12 1/2" | 3/4" | | | NO SEEPAGE |
| 40 | 13" | 1/2" | | | NO LEDGE |
| 45 | 13 1/2" | 1/2" | | | |
| 50 | 14" | 1/2" | | | |
| 55 | 14 1/2" | 1/2" | | | |
| 60 | 14 3/4" | 1/4" | | | |
| 65 | 15 1/4" | 1/2" | | | |
| 70 | 15 1/2" | 1/4" | | | |
| 75 | 15 3/4" | 1/4" | | | |
| 80 | 16" | 1/4" | | | |
| PERCOLATION RATE = 10.1-20 MIN./IN. | | | PERCOLATION RATE = 10.1-20 MIN./IN. | | |

LOT 1 SEPTIC SYSTEM DESIGN CALCULATIONS:
RESTRICTIVE LAYER 25" (TEST PIT 5)
PERCOLATION RATE: 10.1-20 MIN./IN.
GROUND SLOPE: 6.1-8.0%
3 BEDROOM HOUSE
M.L.S.S = 34 HF X 1.25 PF X 1.5 FF = 63.75 FT.
PROVIDED: 3-75 FT. ROWS OF 4FT WIDE STONE AND PIPE LEACHING TRENCH @ 3.0 SQ. FT./FT. EFFECTIVE LEACHING AREA
EFFECTIVE LEACHING AREA REQUIRED / PROVIDED (SQ. FT.) 787.5 / 828.0

LOT 2 SEPTIC SYSTEM DESIGN CALCULATIONS:
RESTRICTIVE LAYER 25" (TEST PIT 5)
PERCOLATION RATE: 10.1-20 MIN./IN.
GROUND SLOPE: 3.1-4.0%
4 BEDROOM HOUSE
M.L.S.S = 42 HF X 1.25 PF X 1.75 FF = 81.875 FT.
PROVIDED: 3-92 FT. ROWS OF 4FT WIDE STONE AND PIPE LEACHING TRENCH @ 3.0 SQ. FT./FT. EFFECTIVE LEACHING AREA
EFFECTIVE LEACHING AREA REQUIRED / PROVIDED (SQ. FT.) 787.5 / 828.0



APPROVED
COVENTRY PLANNING & ZONING COMMISSION
CHAIRPERSON-SECRETARY DATE
THIS 5 YEAR APPROVAL PERIOD EXPIRES ON
SEE P&Z MINUTES OF FOR SPECIFIC
CONDITIONS OF APPROVAL

| | | | |
|---|-----------------|-------------------|---------------|
| PLAN PREPARED FOR | | | |
| ZACHARY N. STUDENROTH | | | |
| 445 GOOSE LANE | | COVENTRY, CT. | |
| CONSTRUCTION / E&S/ SEPTIC DETAILS | | | |
| SCALE: NONE | DATE: 1/28/2022 | FILE NO. 2021-119 | SHEET: 3 OF 3 |
| BUSHNELL ASSOCIATES LLC. CIVIL ENGINEERING AND LAND SURVEYING 563 WOODBRIDGE STREET MANCHESTER, CT. 06042 860-843-7875 | | | |
| REVISIONS: 8/19/2021 | | | |