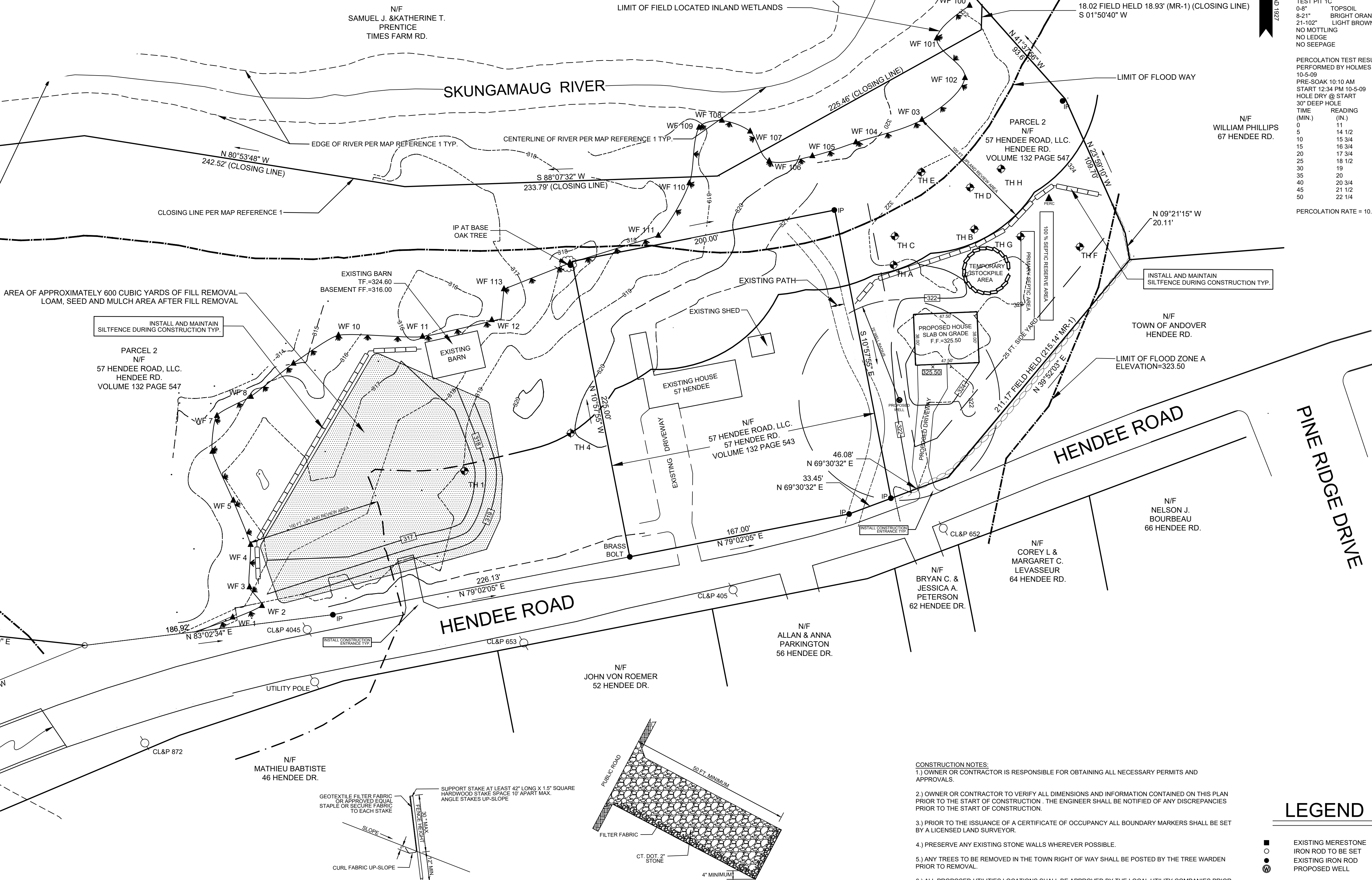


SURVEY NOTES:

1. 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 OF ACCURACY, CONTENT AND CERTIFICATION FOR SURVEYS AND MAPS". AS ADOPTED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS INC. ON AUGUST 29, 2019. IT IS A LIMITED PROPERTY IMPROVEMENT LOCATION SURVEY MAP BASED ON A DEPENDENT RESURVEY CONFORMING TO HORIZONTAL SURVEY ACCURACY CLASS A-2 AND TOPOGRAPHIC ACCURACY CLASS T-2. THE INTENT OF THIS MAP IS TO DEPICT THE LOCATION OF THE PROPOSED OR EXISTING IMPROVEMENTS SHOWN WITH RESPECT TO THE APPLICABLE MUNICIPAL OR STATUTORY REQUIREMENTS.
- 2.) THE PROPERTIES SHOWN ARE BOTH LOCATED IN AN ARRD (ANDOVER RURAL RESIDENTIAL DESIGN DISTRICT) AND A FLOOD PRONE ZONE.
- 3.) PORTIONS OF THE PROPERTIES SHOWN ARE LOCATED IN A FLOOD HAZARD ZONE A PER FIRM FLOOD INSURANCE RATE MAP COMMUNITY-PANEL NUMBER 090161 0003 A EFFECTIVE FEBRUARY 3, 1992.
- 4.) RIVER LOCATIONS SHOWN WERE TAKEN FROM MAP REFERENCE 1.
- 5.) THE PROPERTY IS SHOWN IN AN AREA OF STATE AND FEDERAL LISTED SPECIES ON THE CONNECTICUT DEPARTMENT OF ENERGY & ENVIRONMENTAL PROTECTION BUREAU OF NATURAL RESOURCES WILDLIFE DIVISION NATURAL DIVERSITY DATA BASE AREAS MAP FOR THE TOWN OF ANDOVER DATED DECEMBER 2019

MAP REFERENCES:

- 1.) MAP SHOWING PROPERTY (TO BE CONVEYED TO) STEPHEN E. & LINDA A. WHITMAN (PARCEL #1) AND JOHN E. WHITHAM D.B.A. WHITHAM NURSERY (PARCEL #2) HENDEE ROAD ANDOVER, CONNECTICUT SCALE: 1"=40' MARCH 19, 1985 REV. APRIL 23, 1985 EDWARD J. SULLIVAN 105 TWO BROOK ROAD WETHERSFIELD, CONN. 06109
- 2.) PLAN PREPARED FOR STEPHEN WHITHAM HENDEE RD. ANDOVER, CT. GENERAL LOCATION SURVEY SCALE: 1"=20' DATE: 10/13/09 FILE NO. 290036 SHEET 1 OF 1 HOLMES AND HENRY ASSOCIATES LLC, CONSULTING ENGINEERS AND SURVEYORS LAND PLANNERS 2179 BOSTON TURNPIKE COVENTRY, CT. 860-742-0340 REVISIONS 11/18/09
- 3.) PLAN PREPARED FOR BLANCHARD LAND INVESTMENTS LLC 67 HENDEE ROAD ANDOVER, CT. FREE CUT SUBDIVISION PLAN SCALE: 1"=40' DATE: 9/26/2017 FILE NO. 2017-48 SHEET 1 OF 1 BUSHNELL ASSOCIATES LLC, CIVIL ENGINEERING AND LAND SURVEYING 563 WOODBRIDGE STREET MANCHESTER, CT. 06042 860-643-7875



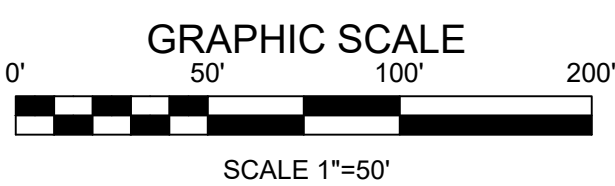
THE WETLAND SOILS ON THIS MAP WERE IDENTIFIED IN THE FIELD USING THE CRITERIA REQUIRED BY CT PA 72-155 AS AMENDED BY PA 73-571 AND ARE ACCURATELY REPRESENTED ON THIS PLAN.

JOHN P. IANNI
CERTIFIED SOIL SCIENTIST

DATE

SILT FENCE DETAIL
NOT TO SCALE

ANTI-TRACKING CONSTRUCTION ENTRANCE
NOT TO SCALE



CONSTRUCTION NOTES:

- 1.) OWNER OR CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
- 2.) OWNER OR CONTRACTOR TO VERIFY ALL DIMENSIONS AND INFORMATION CONTAINED ON THIS PLAN PRIOR TO THE START OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.
- 3.) PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY ALL BOUNDARY MARKERS SHALL BE SET BY A LICENSED LAND SURVEYOR.
- 4.) PRESERVE ANY EXISTING STONE WALLS WHEREVER POSSIBLE.
- 5.) ANY TREES TO BE REMOVED IN THE TOWN RIGHT OF WAY SHALL BE POSTED BY THE TREE WARDEN PRIOR TO REMOVAL.
- 6.) ALL PROPOSED UTILITIES LOCATIONS SHALL BE APPROVED BY THE LOCAL UTILITY COMPANIES PRIOR TO THE START OF CONSTRUCTION.
- 8.) CLEARING LIMITS SHALL BE FLAGGED BY A SURVEYOR PRIOR TO ANY SITE DISTURBANCE.

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.

TEST PITS OBSERVED BY HOLLY WOOD R.S. EASTERN HIGHLANDS HEALTH DISTRICT ANDREW BUSHNELL P.E. AUGUST 27, 2009			TEST PIT 1D 0-10" TOPSOIL 10-36" LOAMY SAND W/LARGE BOULDERS, STONE, GRAVEL 36-46" SAND AND GRAVEL W/BOULDERS NO MOTTLING NO LEDGE NO SEEPAGE		
TEST PIT 1A 0-8" TOPSOIL 8-24" LOAMY SAND 24-50" SAND, ROCKS (ALL SIZES) NO MOTTLING LEDGE 24"(SOUTH END) 36"(MIDWAY) 41"(NORTH) NO SEEPAGE ROOTS TO 41"			TEST PIT 1E LEDGE OR VERY LARGE BOULDER @ 13"		
TEST PIT 1B 0-10" TOPSOIL 10-38" LOAMY SAND & LARGE BOULDERS 38-58" SAND, ROCKS, BOULDERS NO MOTTLING LEDGE 38" NO SEEPAGE			TEST PIT 1F 0-10" TOPSOIL 10-32" VERY FINE RED SAND 32-7'5" MED SAND AND GRAVEL W/COBBLES AND ROCKS (NO BOULDERS) NO LEDGE NO SEEPAGE		
TEST PIT 1C 0-8" TOPSOIL 8-21" BRIGHT ORANGE BROWN FINE SANDY LOAM 21-102" LIGHT BROWN SAND AND GRAVEL W/ROCKS, BOULDERS NO MOTTLING NO LEDGE NO SEEPAGE			TEST PIT 1G 0-7" TOPSOIL 7-18" VERY FINE ORANGE BROWN FINE SANDY LOAM W/ROCKS ALL SIZES 18-7" SAND, COBBLES, ROCKS (NO 3' BOULDERS) NO MOTTLING NO LEDGE NO SEEPAGE		
PERCOLATION TEST RESULTS PERFORMED BY HOLMES AND HENRY ASSOCIATES LLC. 10-5-09 PRE-SOAK 10-10 AM START 12:34 PM 10-5-09 HOLE DRY @ START 30" DEEP HOLE			TEST PIT 1H 0-10" TOPSOIL 10-22" FINE SANDY LOAM W/ROCKS 22-86" MED-COARSE SAND AND GRAVEL W/COBBLES, ROCKS NO MOTTLING NO LEDGE NO SEEPAGE		
TIME READING DIFFERENCE (MIN.) (IN.) (IN.)			SEPTIC SYSTEM DESIGN CALCULATIONS: PERCOLATION TEST RATE: 10.1-20 MIN./IN. 3 BEDROOM HOUSE 875 SQ. FT. LEACHING AREA REQUIRED PROVIDED: 162.8 L.F. OF CUL. TEC. 100'S PDS (22 UNITS EFFECTIVE LENGTH 7.4 FT PER UNIT) AT 4.3 SQ. FT./FT. LEACHING CREDIT TOTALING 700 SQ. FT. EFFECTIVE LEACHING AREA. MLSS CALCULATION: (D=46" TH D S<=1%)(HF=36 X FF=1.5 X PF=1.5) =81 FT. MIN.		
PERCOLATION RATE = 10.1-20 MIN./IN.			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 (OR 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 HEBRON 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 GERMIMATE. 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 PUMP 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 LIME/STONE 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 LINE 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
		OR	
	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.

UTILITIES SHOWN ON THIS MAP WERE DERIVED FROM FIELD LOCATIONS AND EXISTING MAPPING CONTRACTOR TO VERIFY LOCATIONS AND DEPTH IN THE FIELD PRIOR THE START OF ANY CONSTRUCTION. "CALL BEFORE YOU DIG (1-800-922-4455)."

LEGEND

- EXISTING MERESTONE
- IRON ROD TO BE SET
- EXISTING IRON ROD
- PROPOSED WELL

PLAN PREPARED FOR

57 HENDEE ROAD, LLC

HENDEE ROAD

ANDOVER, CT.

PRELIMINARY SITE PLAN

SCALE: 1"=40'

DATE: 5/1/2020

FILE NO. 2019-70

SHEET: 1 OF 1

BUSHNELL ASSOCIATES LLC.

CIVIL ENGINEERING AND LAND SURVEYING

563 WOODBRIDGE STREET MANCHESTER, CT. 06042

860-643-7875

REVISIONS: 5/18/2020