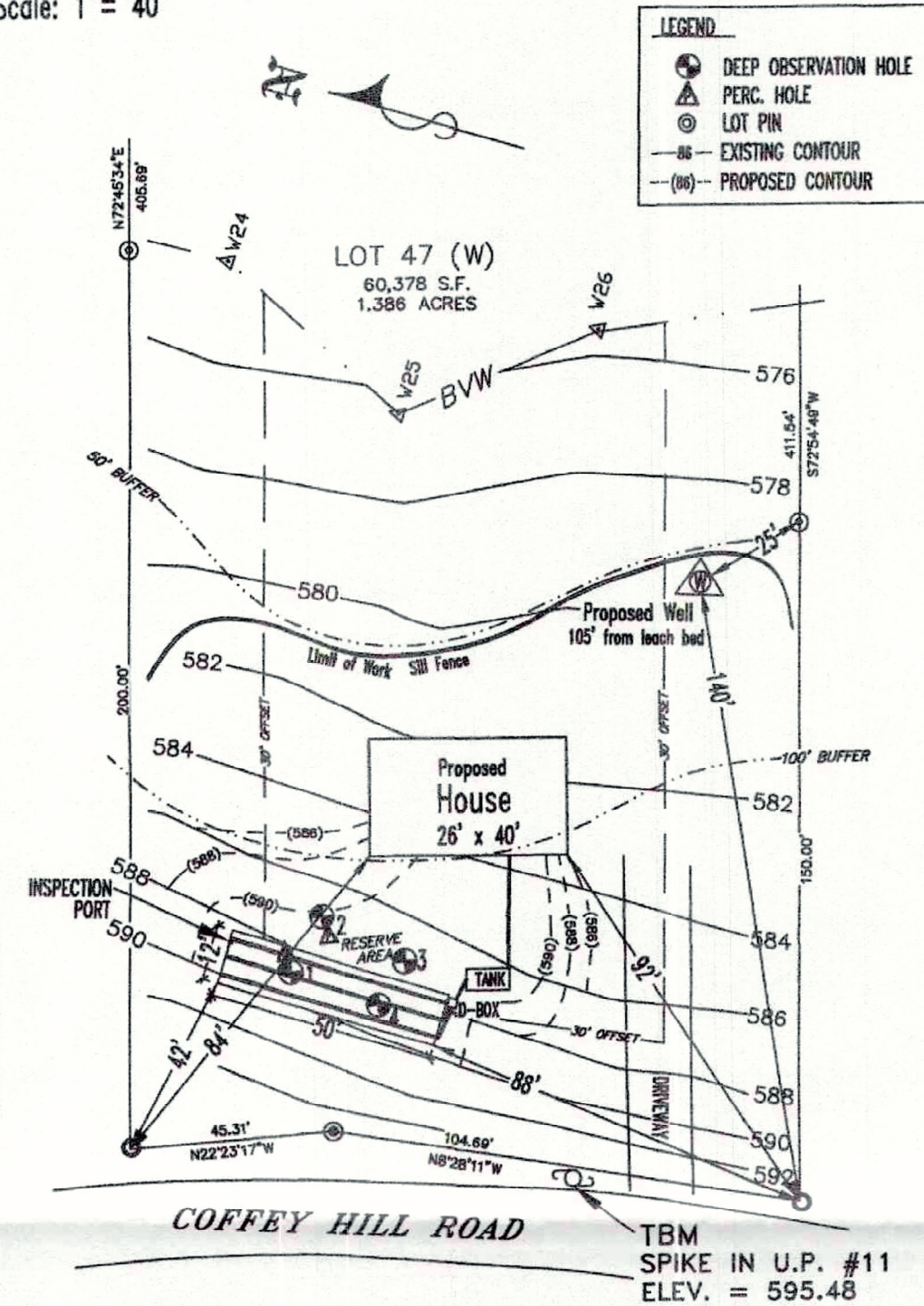


SEPTIC SYSTEM LAYOUT

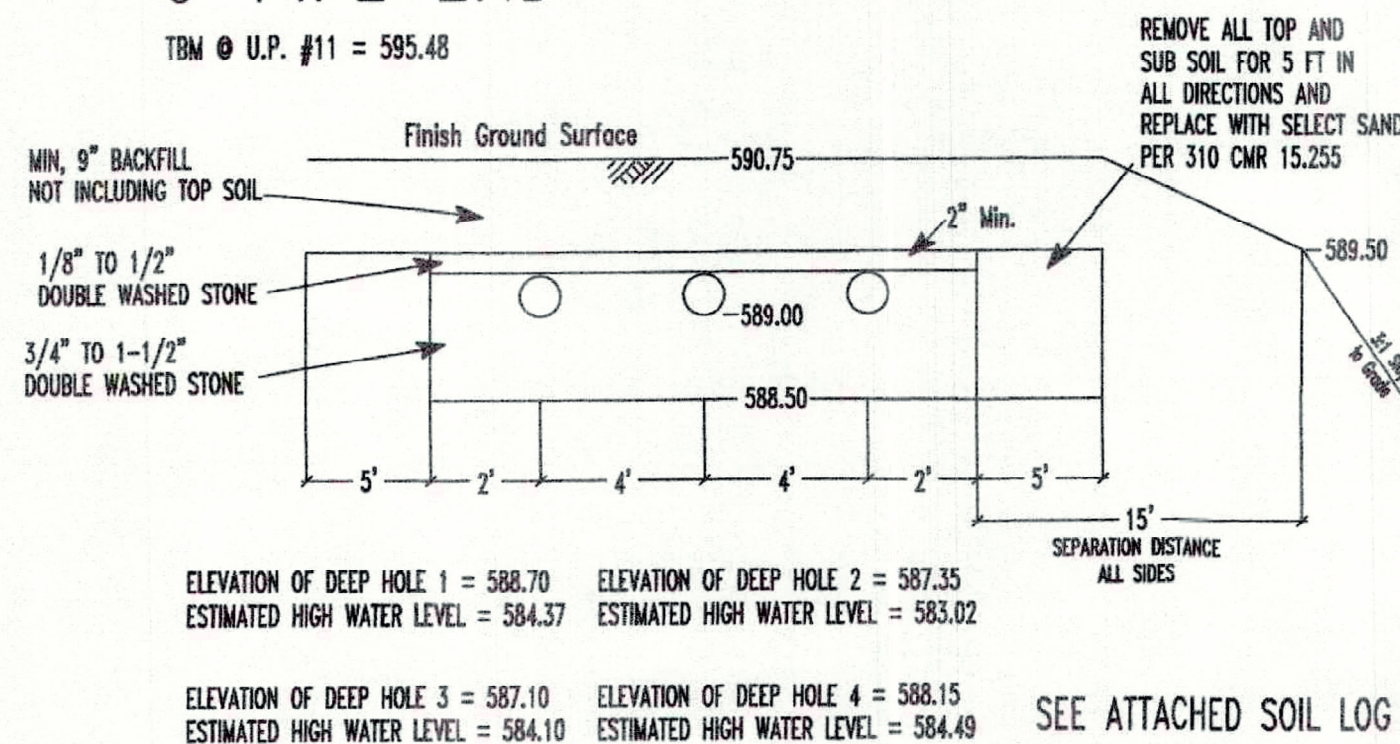
Scale: 1" = 40'



ALL SOIL ABSORPTION SYSTEMS SHALL HAVE A MINIMUM OF ONE INSPECTION PORT CONSISTING OF A PERFORATED FOUR INCH PIPE PLACED VERTICALLY DOWN INTO THE STONE TO THE NATURALLY OCCURRING SOIL OR SAND FILL BELOW THE STONE. THE PIPE SHALL BE CAPPED WITH A SCREW TYPE CAP AND ACCESSIBLE TO WITHIN THREE INCHES OF FINISH GRADE.

CROSS SECTION OF LEACHING BED @ PIPE END

TBM @ U.P. #11 = 595.48



SEE ATTACHED SOIL LOG

NOTES

- 1) SEPTIC TANK SHALL HAVE INLET AND OUTLET TEES.
- 2) OUTLET TEE SHALL HAVE AN EFFLUENT FILTER.
- 3) D-BOX SHALL HAVE MINIMUM 12" INSIDE WIDTH AND 6" SUMP BELOW OUTLET INVERT.
- 4) ACCESS MANHOLES TO SEPTIC TANK SHALL BE WITHIN 6" OF FINISHED GRADE.
- 5) D-BOX OUTLET PIPES SHALL BE LEVEL A MINIMUM OF 2 FEET.
- 6) END CAPS ON PIPES, FOR NON-VENTED SYSTEMS.
- 7) ELEVATIONS ARE TO INVERTS UNLESS NOTED.
- 8) NO OTHER WELLS OR WETLANDS OBSERVED WITHIN 200' OF SEPTIC SYSTEM.
- 9) ALL LOAM, SUBSOIL AND OTHER IMPERVIOUS MATERIAL SHALL BE REMOVED WITHIN 5 FEET OF LEACHING FACILITY.
- 10) FILL WITHIN 5 FEET OF LEACHING FACILITY SHALL MEET SPECIFICATIONS OF TITLE V, 15.255(3).
- 11) FINISH GRADE ABOVE AND ADJACENT TO SYSTEM SHALL SLOPE AT LEAST 2% TO PREVENT ACCUMULATION OF SUBSURFACE WATER.
- 12) DISTRIBUTION BOX SHALL HAVE AN INLET TEE OR BAFFLE EXTENDING TO ONE INCH ABOVE THE OUTLET INVERT ELEVATION PROVIDED TO DISSIPATE THE VELOCITY OF THE INFLUENT.
- 13) SEPTIC TANK SHOULD BE INSPECTED ANNUALLY.
- 14) ALL PIPES SHALL BE EITHER ASTM D-3034 (SDR35), ASTM D-2665 (SCHEDULE 40) OR AS NOTED.
- 15) ALL WASTEWATER SHALL FLOW INTO THE SEPTIC TANK. WITH THE EXCEPTION OF WATER SOFTENERS/CONDITIONERS.
- 16) LOT LINES PLOTTED FOR SEPTIC LOCATION ONLY. PLOT PLAN IS NOT AN ACTUAL SURVEY.
- 17) NO CONSTRUCTION OF PERMANENT STRUCTURE ALLOWED OVER SEPTIC SYSTEM.
- 18) TOPOGRAPHY SURVEY DATA APPROXIMATE.
- 19) CALL 1-888-DIG-SAFE BEFORE STARTING SITE WORK.
- 20) MAGNETIC TAPE REQUIRED OVER ALL SYSTEM COMPONENTS.
- 21) METAL REBAR REQUIRED AT DISTRIBUTION BOX AND FOUR CORNERS OF BED.
- 22) GAS BAFFLE REQUIRED BETWEEN COMPARTMENTS OF SEPTIC TANK.

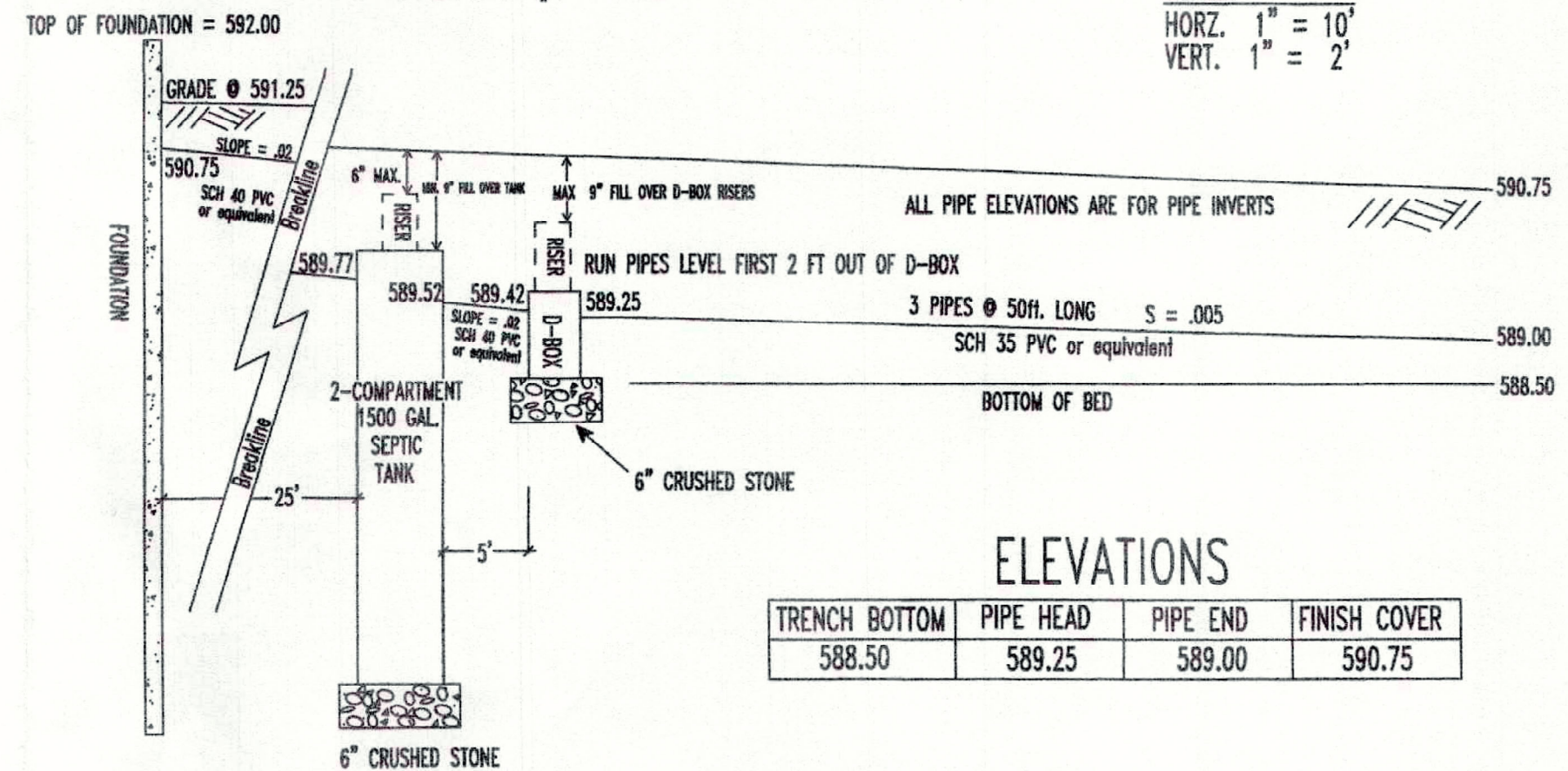
WELL NOTES:

- 1) THERE ARE NO OTHER POTENTIAL SOURCES OF POLLUTION OBSERVED WITHIN 200 FEET OF THE PROPOSED WELL.
- 2) THERE ARE NO WASTE SITES OBSERVED WITHIN 500 FEET OF THE PROPOSED WELL.
- 3) THE WELL IS NOT LOCATED IN THE 100 YEAR FLOOD ZONE.
- 4) ALL LOAM, SUBSOIL AND TREES WILL BE REMOVED WITHIN 5 FEET OF THE SEPTIC SYSTEM AND THE AREA OF FILL.
- 5) THERE ARE NO SUBSURFACE FUEL STORAGE TANKS OBSERVED WITHIN 200 FEET OF THE PROPOSED WELL.

SEPTIC SYSTEM PROFILE

TBM @ U.P. #11 = 595.48

SCALE:
HORZ. 1" = 10'
VERT. 1" = 2'



ELEVATIONS

TRENCH BOTTOM	PIPE HEAD	PIPE END	FINISH COVER
588.50	589.25	589.00	590.75

SITUATION:

NEW CONSTRUCTION OF SAS AT LOT 47 (W), COFFEY HILL ROAD.
3 BEDROOM DWELLING, NO GARBAGE GRINDER.
PERC RATE AT HOLE 2 OF 10 MINUTES PER INCH. DOP = 45" TO BOTTOM
PERC TEST DATE: 06/11/13
BOARD OF HEALTH WITNESS: MATT DOW
SOIL EVALUATOR: NEIL JACKSON, CERTIFIED MAY, 1998

3 BEDROOMS @ 110 GAL
TOTAL = 330 GAL

ESTIMATED AVERAGE DAILY FLOW BASED ON 1995 TITLE 5 REGULATIONS
LEACHING SYSTEM IS TO CONSIST OF A 12 FT. X 50 FT. LEACHING BED, WITH 3 DISTRIBUTION LINES, WITH A MINIMUM OF 6 INCHES OF STONE THROUGHOUT BED.

DESIGN CALCULATIONS:

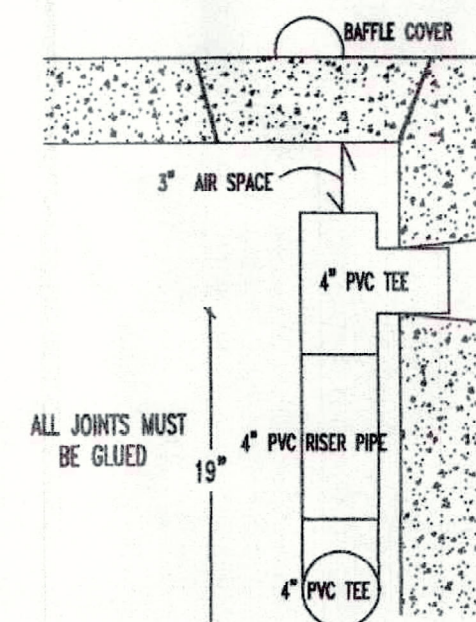
SOIL CLASS II -- 10 MIN./IN = 0.60 GAL/FT²

BOTTOM AREA: 12' x 50' = 600 FT²
SIDE AREA: NOT ALLOWED IN BEDS

TOTAL = 600 FT² = 360 GALLONS CAPACITY
360 GAL. DESIGN > 330 GAL. REQUIRED

GAS BAFFLE DETAIL

DO NOT SCALE



SYSTEM TO BE CONSTRUCTED IN COMPLIANCE WITH 310 CMR 15.000

COFFEY HILL PROPERTIES, LLC

Lot 47, Coffey Hill Rd.
WARE, MA

SCALE: AS NOTED	DRAWING NUMBER: Coffey-Coffey-47.dwg	DESIGNED BY: NMJ
DATE: 17MAY21		DRAWN BY: HOP

APPROVED BY:

