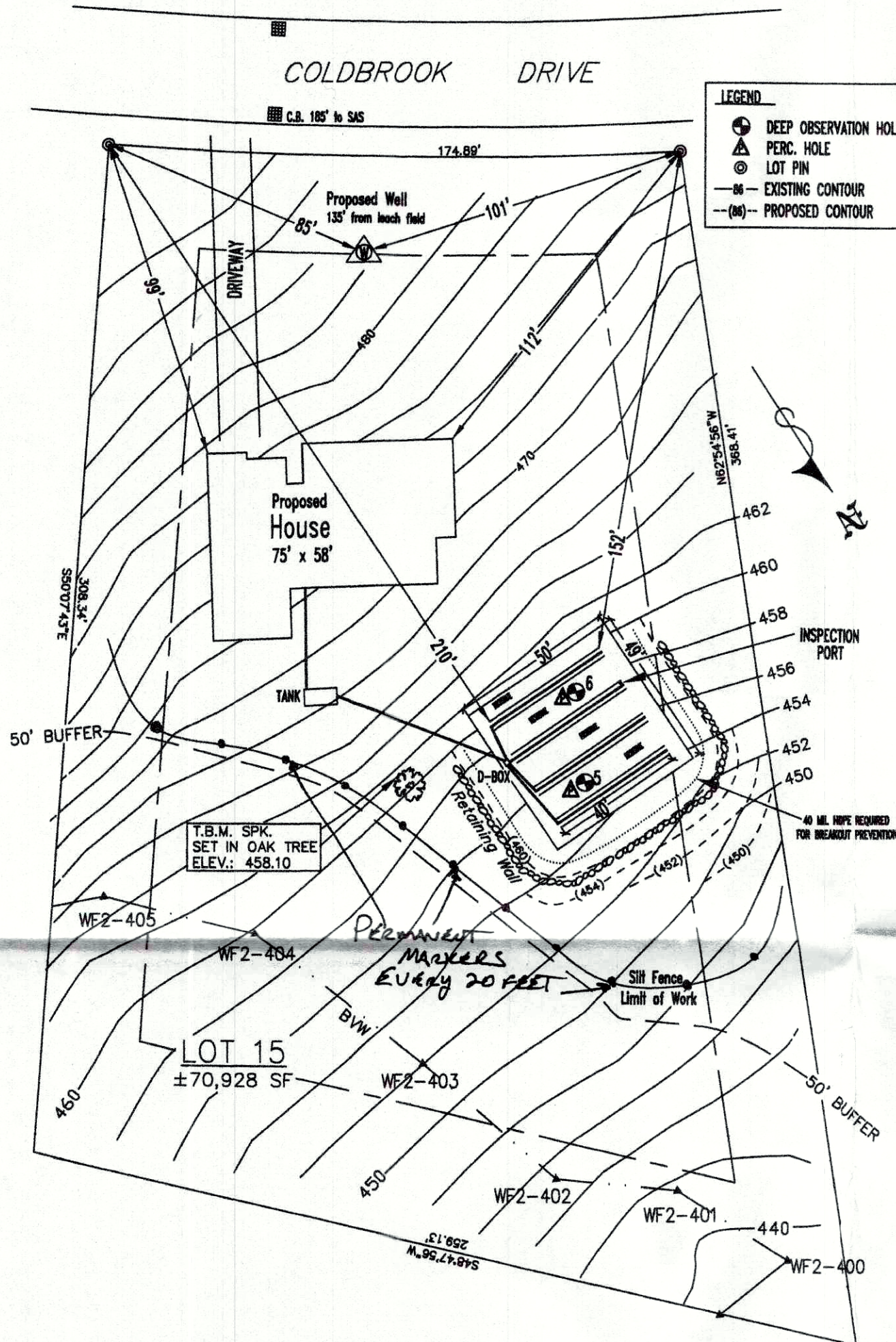


SEPTIC SYSTEM LAYOUT

Scale: 1" = 40'



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.

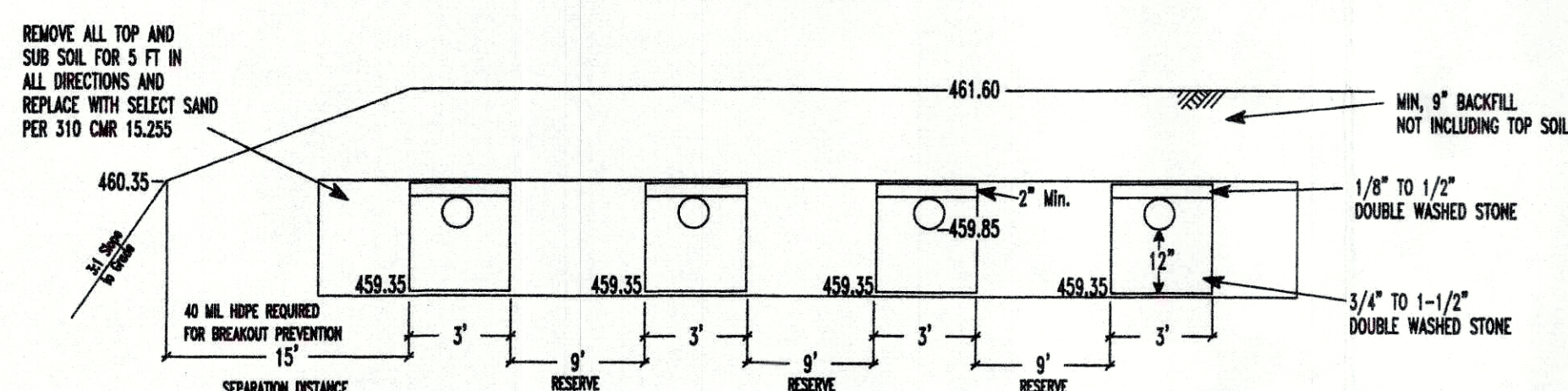
NOTES

- 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 WATERSOFTENERS/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) CALL 1-888-DIG-SAFE BEFORE STARTING SITE WORK.
- 19) MAGNETIC TAPE REQUIRED OVER ALL SYSTEM COMPONENTS.
- 20) METAL REBAR REQUIRED AT DISTRIBUTION BOX AND FOUR CORNERS OF BED.
- 21) GAS BAFFLE REQUIRED BETWEEN COMPARTMENTS OF SEPTIC TANK.
- 22) MANHOLE COVER OVER TANK OUTLET TEE SHALL BE RAISED TO FINISHED GRADE.

CROSS SECTION OF LEACHING TRENCHES

TBM ON RED OAK TREE = 458.10

DO NOT SCALE



SEE ATTACHED SOIL LOG

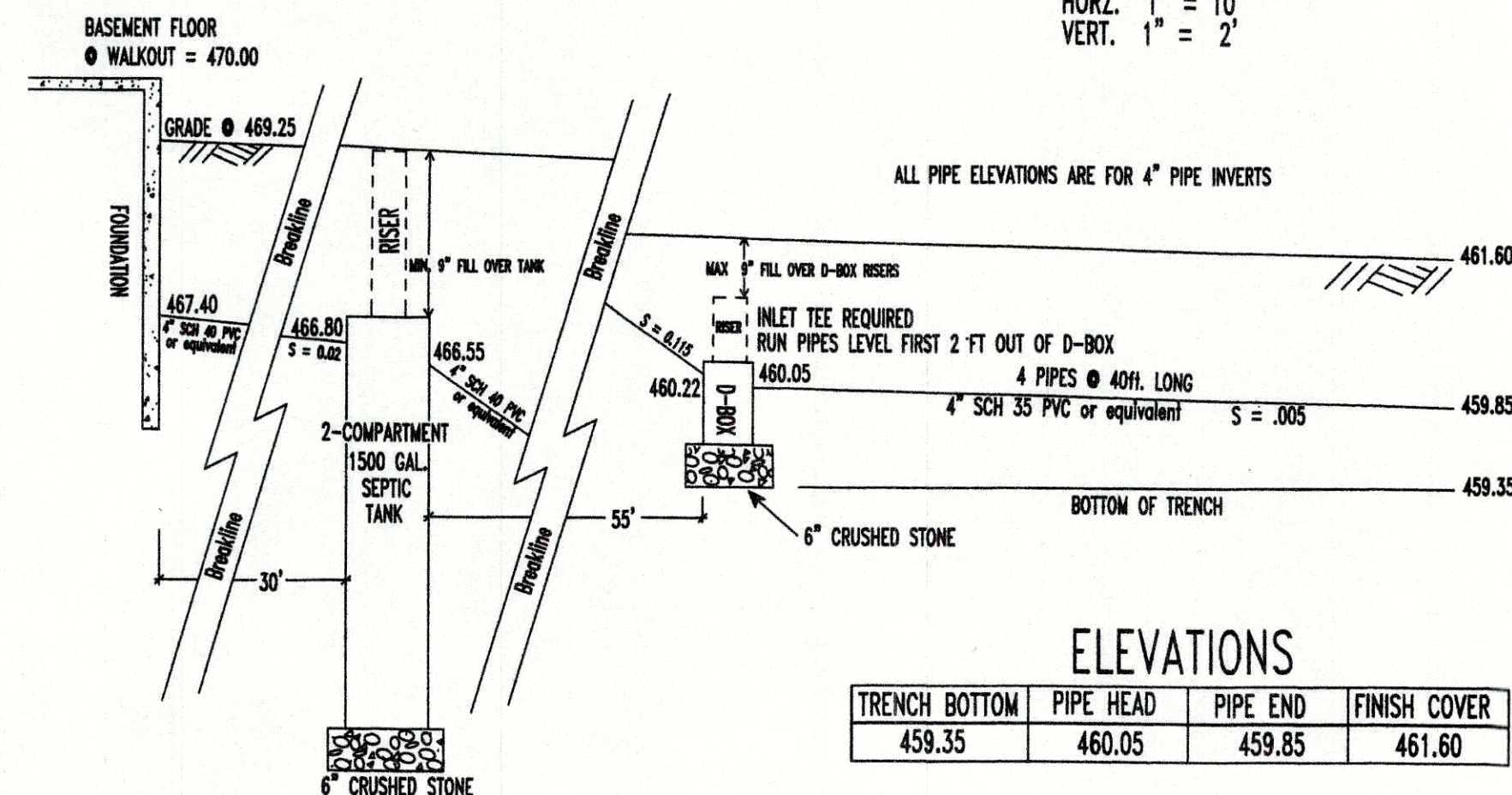
ELEVATION OF DEEP HOLE 2 = 455.20
ESTIMATED HIGH WATER LEVEL = 452.87

ELEVATION OF DEEP HOLE 6 = 457.85
ESTIMATED HIGH WATER LEVEL = 455.35

SEPTIC SYSTEM PROFILE

TBM ON RED OAK TREE = 458.10

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



SITUATION:

CONSTRUCT NEW SAS @ LOT 15 COLD BROOK DRIVE.
4 BEDROOM DWELLING, NO GARBAGE GRINDER,
PERC RATE AT HOLE 1 OF 11 MINUTES PER INCH. DOP = 54" TO BOTTOM
PERC TEST DATE: 06/21/18
BOARD OF HEALTH WITNESS: RANDY GAULEY, STEVEN BELL
SOIL EVALUATOR: NEIL JACKSON
4 BEDROOMS @ 110 GAL

TOTAL = 440 GAL
ESTIMATED AVERAGE DAILY FLOW BASED ON 1995 TITLE 5 REGULATIONS
LEACHING SYSTEM IS TO CONSIST OF: 4 TRENCHES, EACH 3 FT WIDE AND 40 FT LONG
WITH A MINIMUM OF 12 INCHES OF STONE UNDER THE DISTRIBUTION LINES.

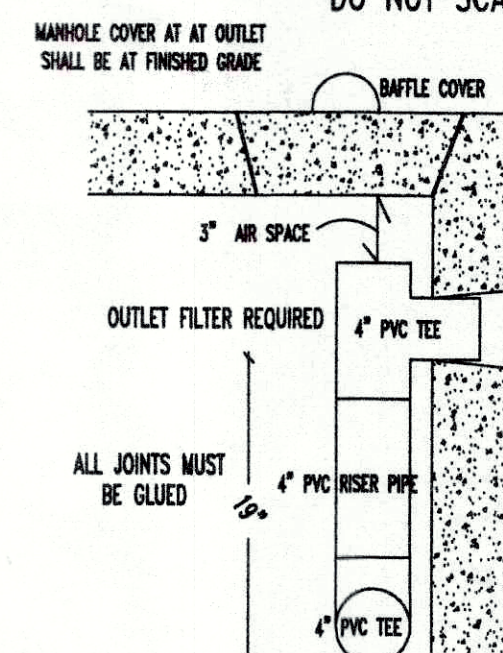
DESIGN CALCULATIONS:

SOIL CLASS II -- 11 MIN./IN = 0.56 GAL/FT²
BOTTOM AREA: 40' X 3' X 4 Lines = 480 FT²
SIDE AREA: 40' X 1' Stone X 2 Sides X 4 Lines = 320 FT²

TOTAL = 800FT² = 448 GALLONS CAPACITY
448 GAL. DESIGN > 440 GAL. REQUIRED

GAS BAFFLE DETAIL

DO NOT SCALE

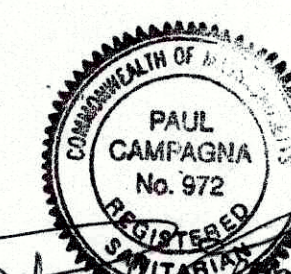
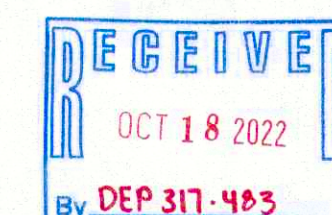


SYSTEM TO BE CONSTRUCTED IN COMPLIANCE WITH 310 CMR 15.000

MRT Development

Lot 15, Coldbrook Drive
Ware, MA

SCALE: AS NOTED	DRAWING NUMBER: MRT-Coldbrook 15 REV.dwg	DESIGNED BY: NMJ
DATE: 29APR19		DRAWN BY: HOP
REVISED: 12OCT22		
APPROVED BY:		



ORIGINAL