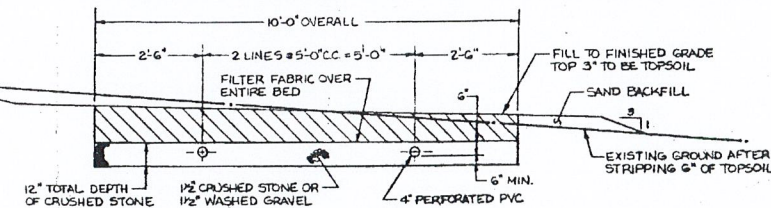
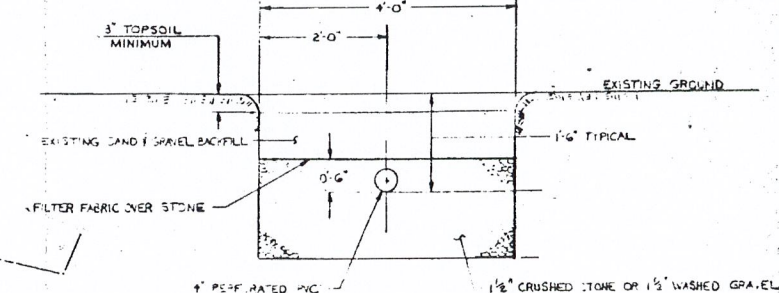


NOTES

1. BASIS OF DESIGN:
 A. DESIGN FLOW = 450 GPD (3 BEDROOMS) FOR LOTS 1, 3, AND 4. (SEE NOTE 5 FOR LOT 2)
 B. AVERAGE PERC RATE = 3 MINUTES/INCH
 C. ALLOWABLE APPLICATION RATE = 1.20 GAL/SH/DAY (BEDS), 1.5 FOR TRENCHES
 D. LEACHFIELD = 10' X 40' BED LOTS 1 AND 2, TWO 4' X 52' TRENCHES LOTS 3 AND 4
 E. SEPTIC TANK = 1000 GALLON CONCRETE (GOOD FOR EITHER 3 OR 4 BEDROOMS)
2. ALL SEPTIC TANKS AND DISTRIBUTION BOXES SHALL BE OF WATER TIGHT CONSTRUCTION AND MADE OF REINFORCED CONCRETE WITH A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. ALL SHIP LAP JOINTS SHALL BE SEALED WITH ASPHALT CEMENT OR EQUIVALENT. THE SEPTIC TANK SHALL BE AS-BUILT BY BALDWIN PRECAST CONCRETE, INC. OF BARRIS OR CAMP PRECAST, INC. OF MILTON OR APPROVED EQUAL. INCOMING AND EXISTING PIPES SHALL BE SEALED.
3. THE DISTRIBUTION PIPING FOR THE LEACHFIELD SHALL BE 4" DIAMETER PERFORATED PVC SOIL AND DRAIN PIPE LAID TO A SLOPE OF 1/8" PER 10'. 4" SOLID PVC PIPE SHALL BE USED BETWEEN THE D BOX AND THE LEACHFIELD. A SHEET OF FILTER FABRIC SHALL BE PLACED OVER THE CRUSHED STONE BEFORE PLACEMENT OF ANY FILL. THE BED SHALL BE DUG TO THE PROPER GRADE SHOWN ON THE PLANS USING A BACKHOE. THE BOTTOM AND SIDE WALLS SHALL BE GRADED TO ENSURE ELIMINATION OF ANY BUCKET SEARS. USING THE BACKHOE ON THE BACKHOE OR FRONT END LOADER, DUMP THE STONE IN THE BED TO AN ELEVATION APPROXIMATELY 4" ABOVE THE FLOW LINE OF THE DISTRIBUTION PIPES. AT THE LOCATION OF THE DISTRIBUTION PIPE, MAKE CHANNELS ABOUT 4" DEEP BY USING A SHOVEL. LAY THE DISTRIBUTION PIPE IN THE TROUGH TAKING CARE TO LEVEL IT WITH HOLES DOWNWARD. REMOVE DIPS AND RISES WHICH OCCUR IN THE PIPE. FINISH PLACING THE CRUSHED STONE 2" DEEP OVER THE DISTRIBUTION PIPES AFTER THE DISTRIBUTION SYSTEM HAS BEEN INSPECTED BY THE ENGINEER. PLACE 15" OF SOIL OVER THE BED, FOLLOWED BY AT LEAST 4" OF TOPSOIL OVER THE ENTIRE BED AREA. SHAPE THE LEACHFIELD AREA SO THAT THERE WILL BE NO STANDING SURFACE WATER. ALL DISTURBED AREA AROUND THE LEACHFIELD SHALL BE FINE GRADED. THIS AREA SHALL THEN BE SEEDDED WITH A GRASS MIXTURE AND A LIGHT COVERING OF MULCH.
4. EXACT GRADES FOR THE SEPTIC AND PUMP STATION IF NECESSARY SHALL BE DETERMINED IN FIELD PRIOR TO CONSTRUCTION. THE LEACHFIELD SHALL BE LOCATED AS SHOWN AND THE SEWER LINE FROM LOT #1 SHALL FOLLOW WITHIN THE 40' EASEMENT LIMITS.
5. LOT 2 ONLY WAS EXPANDED TO 4 BEDROOMS ON 2-3-99 BY ADDING 10' TO THE INLET END OF THE 40' SEEPAGE BED. THE EXISTING DISTRIBUTION BOX IS TO BE RESET.

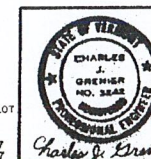


10' SEEPAGE BED CROSS-SECTION
SCALE: 1" = 4'-0"



TYPICAL ABSORPTION TRENCH DETAIL
SCALE: 3/4" = 1'-0"

SNOW



SAM & MARY MILLER-4 LOT SUBDIVISION
LOOMIS HILL WATERBURY, VT.

CHARLES GRENIER
CONSULTING ENGINEER, P.C.
BOX 445, WATERBURY, VERMONT
244-6413

DATE = 2-26-87
DRN BY = C.L.B.
SCALE = 1" = 50'
SHT 1 OF 1

ADDED 4TH BEDROOM TO LOT 2 - REVISED 2-3-99
REVISED 7-30-92
REVISED 11-4-87
REVISED 7-30-87