

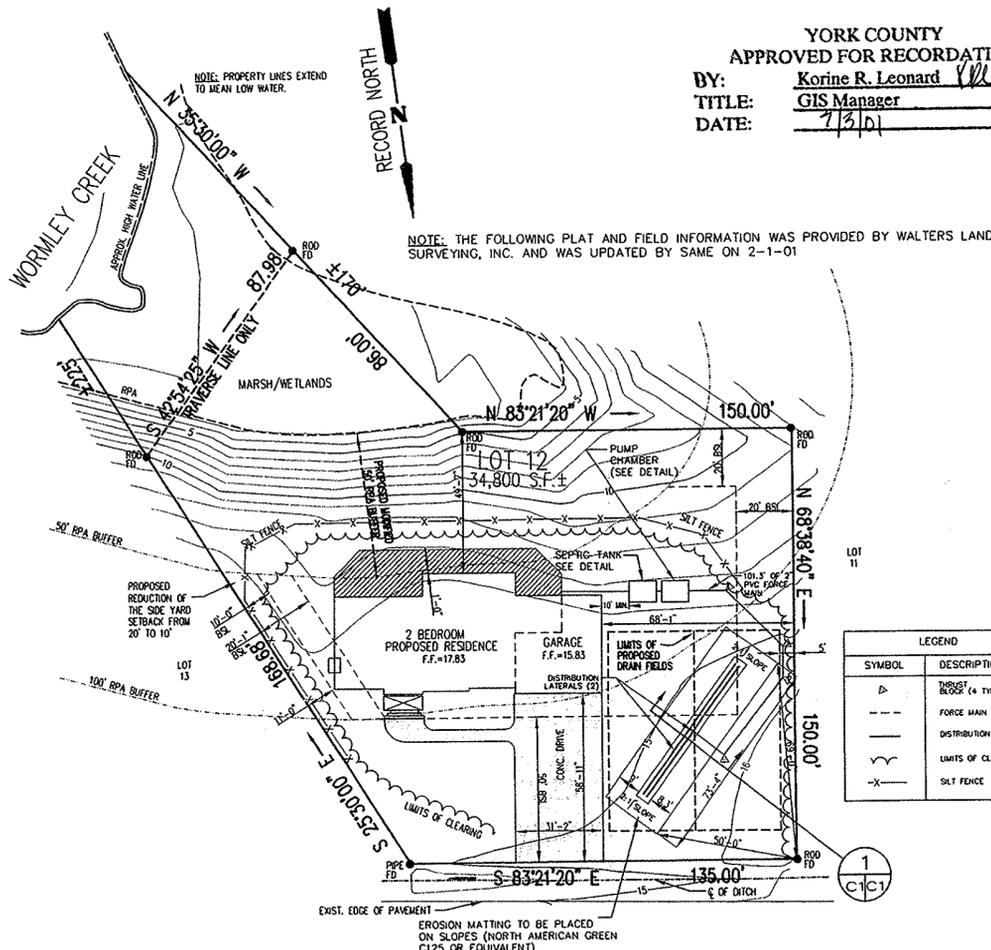
VICINITY MAP  
SCALE: 1"=200'

CAUTION: PERIMETER OF DRAINFIELD SHOULD BE FENCED OR ROPED OFF TO PREVENT TRAFFIC OR OTHER DISTURBANCE OF THE AREA AS THIS WILL NULLIFY ANY AND ALL APPROVAL BY THE HEALTH DEPARTMENT

NOTE: THESE IMPROVEMENTS SHOULD BE MADE BY A CONTRACTOR WITH BOTH CLASS 'A' AND SDS (SEWAGE DISPOSAL SYSTEM) LICENSES.

R10d-331-0441

YORK COUNTY  
APPROVED FOR RECORDATION  
BY: Korine R. Leonard  
TITLE: GIS Manager  
DATE: 7/3/01



NOTE: THE FOLLOWING PLAT AND FIELD INFORMATION WAS PROVIDED BY WALTERS LAND SURVEYING, INC. AND WAS UPDATED BY SAME ON 2-1-01

LEGEND

SYMBOL	DESCRIPTION
(Symbol)	THURST BLOCK (4 TYP.)
(Symbol)	FORCE MAIN
(Symbol)	DISTRIBUTION LATERALS
(Symbol)	LIMITS OF CLEARING
(Symbol)	SILT FENCE

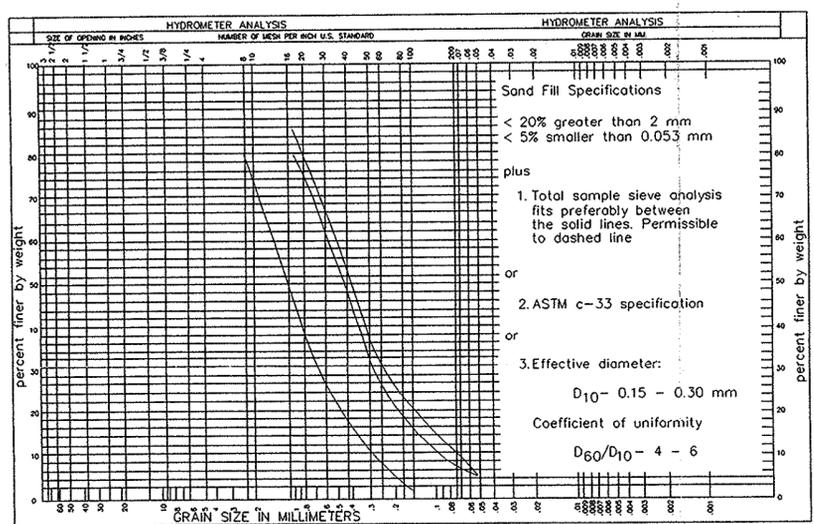
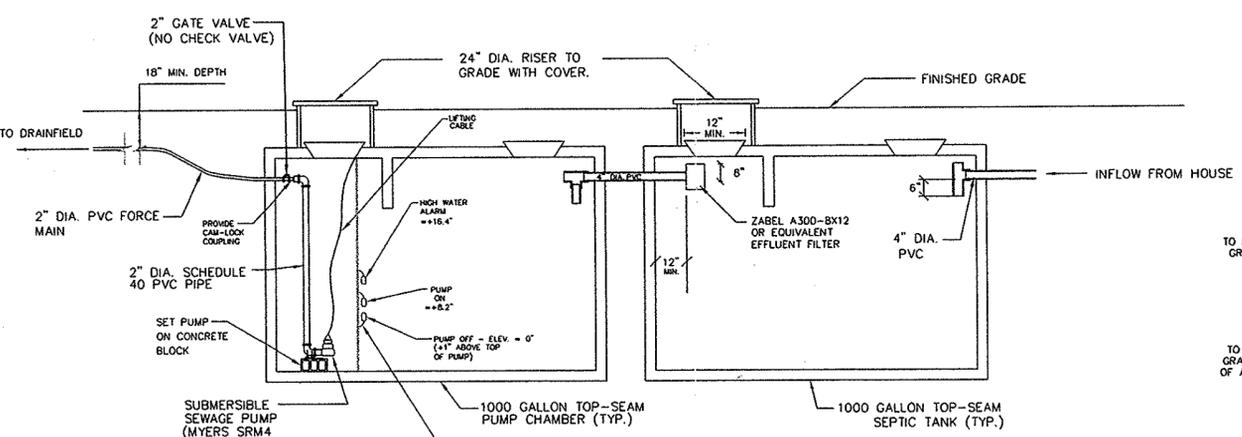
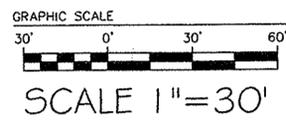


FIG. 6 A guideline for the selection of sand fill for Wisconsin Mounds. The total sample sieve analysis contains 20% or less material larger than 2.0 mm and contains 5% or less material finer than 0.053 mm plus one of three additional specifications listed in the figure. The fraction greater than 2 mm can have stones, and cobbles.

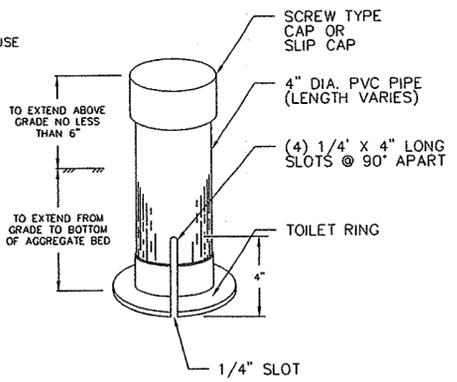
WISCONSIN MOUND SOIL ABSORPTION SYSTEM: SITING, DESIGN AND CONSTRUCTION MANUAL; JAMES C. CONVERSE, E. JERRY TYLER; 1990



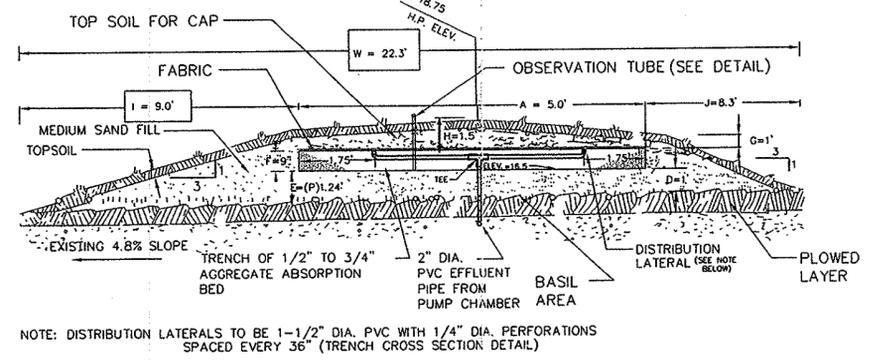
SEPTIC TANK AND PUMP CHAMBER DETAIL  
NOT TO SCALE



SCALE 1"=30'



TYPICAL OBSERVATION TUBE  
NOT TO SCALE



MOUND CROSS-SECTION  
NOT TO SCALE

TRENCH CROSS-SECTION  
NOT TO SCALE

- SEQUENCE OF CONSTRUCTION:
- THE MOUND MUST BE PLACED ON CONTOUR.
  - GRASS, SHRUBS AND TREES MUST BE CUT CLOSE TO THE GROUND SURFACE AND REMOVED FROM THE SITE. IN WOODED AREAS WITH EXCESSIVE LITTER, IT IS RECOMMENDED TO RAKE THE MAJORITY OF IT FROM THE SITE.
  - TRENCH AND LAY THE EFFLUENT PIPE FROM PUMPING CHAMBER TO MOUND. CUT AND CAP THE PIPE ONE FT. BENEATH THE GROUND SURFACE. LAY PIPE BELOW FROST LINE AND SLOPING UNIFORMLY BACK TO THE PUMPING CHAMBER SO THAT IT DRAINS AFTER DOSING. BACKFILL AND COMPACT SOIL AROUND PIPE TO PREVENT BACK SEEPAGE OF EFFLUENT ALONG PIPE. THIS STEP MUST BE DONE BEFORE PLOWING TO AVOID COMPACTING AND DISTURBANCE OF SURFACE.
  - CHECK THE MOISTURE CONTENT OF THE SOIL IN THE DISPOSAL AREA AT 7-8 IN. DEEP. IF IT IS TOO WET, SMEARING AND COMPACTION WILL RESULT, THUS REDUCING THE INFILTRATION CAPACITY OF THE SOIL. SOIL MOISTURE CAN BE DETERMINED BY ROLLING A SOIL SAMPLE BETWEEN THE HANDS. IF IT ROLLS INTO A RIBBON, THE SITE IS TOO WET TO PREPARE. IF IT CRUMBLES, SOIL PREPARATION CAN PROCEED.
  - REMOVE EXCESS VEGETATION BY MOWING. PREPARE THE SITE USING A MOLDBOARD PLOW BY PLOWING PERPENDICULAR TO THE SLOPE. CHISEL PLOWING MAY BE USED IF A MOLDBOARD PLOW IS NOT AVAILABLE. BACK HOE BUCKET TEETH ARE NOT SATISFACTORY AND MUST NOT BE USED. ROTOTILLING MUST NOT BE DONE. IMMEDIATE PLACEMENT OF SELECT FILL AFTER PLOWING IS DESIRABLE. AVOID RUTTING OF PLOWED AREA WITH VEHICULAR TRAFFIC.
  - STUMPS ARE NOT TO BE REMOVED BUT TILLED AROUND.
  - ONCE THE SITE IS TILLED, A LAYER OF SAND SHOULD BE PLACED ATOP THE TILLED AREA PRIOR TO RAINFALL. PLACEMENT OF THE SAND SHOULD BE SUCH TO PREVENT RUTTING OR COMPACTING THE TILLED AREA. ALL WORK SHOULD BE DONE FROM THE SIDES AS NOT TO COMPACT THE DOWN SLOPE AREA.
  - EXTEND THE EFFLUENT PIPE TO SEVERAL FEET ABOVE THE GROUND SURFACE.
  - PLACE THE MEDIUM SAND FILL MATERIAL WHICH HAS BEEN PROPERLY SELECTED AROUND THE EDGE OF THE PLOWED AREA. FILL MATERIAL IS TO MEET SOIL SIEVE ANALYSIS SHOWN ON THIS SHEET. KEEP WHEELS OF TRUCK OFF PLOWED AREAS. TO MINIMIZE TRAFFIC ON THE DOWNSLOPE SIDE OF MOUND, WORK ON THE DOWNSLOPE SIDE OF MOUND FROM THE NORTHERN AND SOUTHERN ENDS.
  - MOVE THE FILL MATERIAL INTO PLACE USING A SMALL TRACK TYPE TRACTOR WITH A BLADE. ALWAYS KEEP A MINIMUM OF 6 IN. OF SAND BENEATH TRACKS TO PREVENT COMPACTION OF THE NATURAL SOIL.
  - PLACE THE PROPER DEPTH OF SAND THEN FORM THE ABSORPTION AREA WITH THE BOTTOM BEING LEVEL. PROTECT THE INFILTRATIVE AREA BY PLACING THE AGGREGATE PRIOR TO RAIN.
  - PLACE A SUITABLE AGGREGATE TO THE DESIRED DEPTH IN THE AREA PROVIDED. THE AGGREGATE MUST BE CLEAN AND SOUND AND WILL NOT DETERIORATE. LIMESTONE IS NOT RECOMMENDED.
  - LOCATE THE ENTRANCE OF THE FORCE MAIN INTO THE MOUND. IT IS RECOMMENDED TO BRING IT INTO THE CENTER ON THE UPSLOPE SIDE. IF IT MUST BE BROUGHT IN FROM THE DOWN SLOPE SIDE, ESPECIALLY ON SITES WITH HORIZONTAL FLOW, IT SHOULD BE BROUGHT IN PERPENDICULAR TO THE SIDE OF THE MOUND WITH MINIMAL DISTURBANCE TO THE DOWN SLOPE AREA.
  - PLACE THE DISTRIBUTION SYSTEM ON THE AGGREGATE. CONNECT THE MANIFOLD TO THE FORCE MAIN FROM PUMPING CHAMBER. MANIFOLD TO DRAIN TO FORCE MAIN. LAY LATERALS FAIRLY LEVEL, REMOVING LARGE RISES AND DIPS AND COVER WITH 1" OF AGGREGATE.
  - COVER THE AGGREGATE WITH A GEOTEXTILE SYNTHETIC FABRIC THEN PLACE 6"-1" OF MEDIUM SAND FILL ON TOP OF FABRIC.
  - PLACE A MINIMUM OF 6 IN. OF GOOD QUALITY TOP SOIL ON THE SIDES OF THE MOUND AND TO THE PRESCRIBED DEPTH AT THE TOP OF THE MOUND.
  - LANDSCAPE THE MOUND BY PLANTING GRASS, USING THE BEST VEGETATION ADAPTABLE TO THE AREA. A MIXTURE OF 90% BIRDSFOOT TREEFOOT AND 10% TIMOTHY MAY BE DESIRABLE IF THE MOUND IS NOT MANICURED. IF MANICURING IS DESIRED, A COMBINATION OF 80% BLUEGRASS, 30% CREEPING RED FESCUE AND 10% ANNUAL RYE GRASS MAY BE THE DESIRED VEGETATIVE COVER. SHRUBS CAN BE PLANTED AROUND THE BASE AND UP THE SIDESLOPES. THEY SHOULD BE SOMEWHAT MOISTURE TOLERANT SINCE THE TOE OF THE MOUND MAY BE SOMEWHAT MOIST DURING VARIOUS TIMES OF THE YEAR.
  - MOUND MAINTENANCE INVOLVES PUMPING THE SEPTIC TANK EVERY 3 YEARS TO AVOID CARRYOVER OF SOLIDS INTO THE MOUND. A GOOD WATER CONSERVATION PLAN WITHIN THE HOUSE ASSURES MOUND WILL NOT BE OVERLOADED. PERMANENT WATER SAVING DEVICES (LOW VOLUME TOILETS) SHALL BE UTILIZED. AVOID EXCESS TRAFFIC IN MOUND AREA. WINTER TRAFFIC ON MOUND SHOULD BE AVOIDED TO MINIMIZE FROST PENETRATION.

Committed to Excellence

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NORFOLK - VIRGINIA BEACH AREA (757)871-5015

**DGC**  
INC.

REVISIONS

NO.	DATE	DESCRIPTION
1	4-4-01	REVISIONS PER VOCH COMMENTS
2	4-19-01	REVISIONS PER VOCH COMMENTS

SCALE AS NOTED  
DESIGNED HPLG  
DRAWN WAC  
CHECKED HPLG  
DATE 3-3-01

COMMISSION NUMBER  
**2010150**

SHEET NUMBER  
**C1**

1 OF 1

SEPTIC SYSTEM PLAN, LOT 12  
EVANS BUILDING AND REMODELING INC.  
MARLBANK FARM  
YORK COUNTY, VIRGINIA

Filed in the Clerk's Office, Circuit Court, York Co., VA  
the 3 day of July, 2001  
Teste: Lynn S. Jenkins, Clerk  
by Natalie C. Owens D.C.