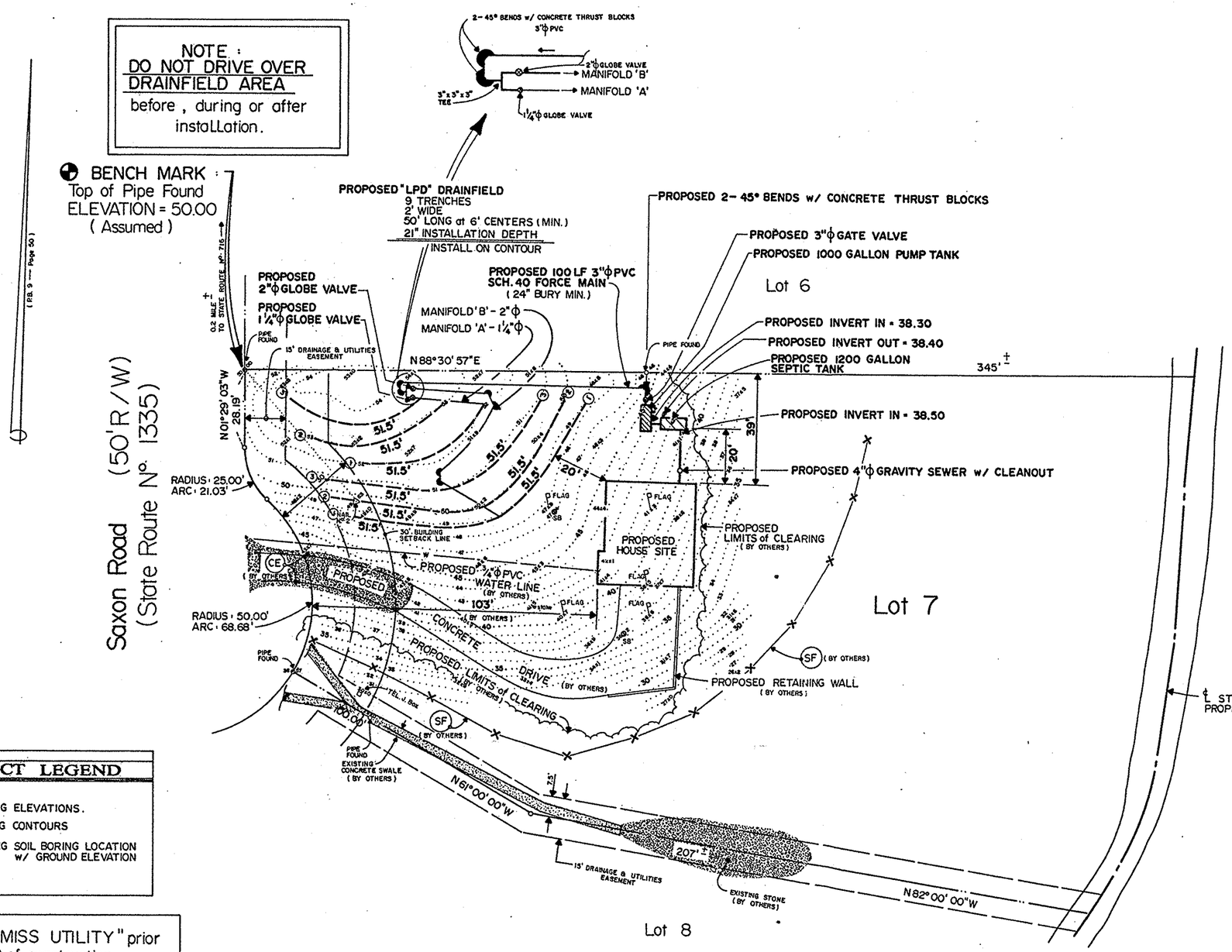
NOTE :
DO NOT DRIVE OVER DRAINFIELD AREA
before , during or after installation.



PROJECT LEGEND

- 52.17 = EXISTING ELEVATIONS.
- 52 / 50 = EXISTING CONTOURS
- SB = EXISTING SOIL BORING LOCATION w/ GROUND ELEVATION

Contact "MISS UTILITY" prior to start of construction.

NOTE :
No boundary survey was performed as part of this plan. Boundary information as shown furnished by others.

GENERAL NOTES

APPLICANT: Peter S. Diakun & Constance S. Diakun

TAX MAP: TM 7A2-(14)-7

BENCH MARK: Top of Pipe Fd. Elev = 50.00 Datum is assumed.

1. Installation shall be in accordance with the requirements of the Virginia State Board of Health "Sewage Handling & Disposal Regulations". Only drawings approved by the Health Department shall be used for construction.

2. Drainfield Required:
   No. Trenches = 9
   Trench Length = 50 ft
   Trench Width = 2 feet
   Center Spacing = 6 feet (min.)
   Slope = Level
   Aggregate Size = 0.5" – 0.75"
   Installation Depth = 21 inches
   Total Aggregate Depth = 13"
   Distribution shall be by Low Pressure

   Drainfield shall be capped and crowned with an additional 6" of topsoil.

3. All concrete shall be 3000 psi reinforced with 6x6-12/12 wwf.
   All joints shall be water tight.
   All concrete tanks to be waterproofed with bituminous paint after installation and prior to backfilling.
   Waterproofing can be applied after casting and prior to transport; however, any damage to coating shall be repaired after installation and prior to backfilling.

4. The audio-visual alarm shall be wired independently of the pump motor.

5. Electrical supply connection for pump shall be made outside the wetwell.

6. Force main to be Sch 40 PVC pipe; all joints to be primed prior to gluing. Force main to be installed to a minimum depth of 24 inches and to be backfilled with material free of large stones and debris.

7. Concrete thrust blocks are required at each bend of force main.

8. The area of the drainfield shall have any trees removed during dry soil conditions, the area is to be disturbed as little as possible.

9. Installation of Low Pressure Percolation lines:
   a. Crushed stone having a size range of 1/2 inch to 3/4 inch shall be used.
   b. Minimum depth of stone beneath the percolation lines shall be 8-1/2 inches. The absorption trench shall be backfilled to a depth of three inches over the percolation lines with the same crushed stone.
   c. Grade boards and/or stakes placed in the bottom or sidewalls of the absorption trench shall be utilized to maintain the grade on the gravel for placement of the gravity percolation lines. Grade stakes shall not be placed on centers greater than 10 feet. The trenches shall be installed level along the contour.
   d. All percolation piping shall be placed in the horizontal center of the absorption trench and shall maintain a straight alignment and uniform grade.
   e. After the placement of the percolation piping, the absorption trench shall be backfilled evenly with crushed stone to a depth of three inches over the piping. Untreated building paper, or suitable material shall be placed at the interface of the gravel and soil to prevent migration of fines to the trench bottom. The remainder of the trench shall be backfilled with soil to the ground surface.

10. One-half inch diameter reinforcing bars a minimum of 18 inches in length are to be driven at the end of each trench for identification.

11. Drainfield area to be capped and crowned with good quality top soil and shall be placed, by hand, to a depth of 6 inches and shall be graded to provide drainage of surface runoff.

12. The drainfield area to be limed (90lbs./1000sf); fertilized (10-10-10); 7 lbs/1000sf); and seeded with Kentucky Tall Fescue (6lbs/1000sf).

13. The system is to be constructed only during dry weather conditions.

14. The contractor is to notify the engineer and the Local Health Department prior to start of construction for joint inspection of the installation.

15. The contractor shall be responsible for locating and protecting all utilities during construction and shall repair, at his own expense, all utilities damaged during construction. Contact "Miss Utility" at 1-800-552-7001, 72 hours before beginning construction.

16. The contractor shall provide temporary risers at the ends of laterals to ensure the required head is obtained at the distal ends during balancing. The globe valves are to be used as throttling valves to balance the system. The contractor shall provide necessary water and power required for balancing.

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Filed in the Clerk's Office, Circuit Court, York Co., VA
the 10th day of October, 2001 2:00pm
Teste: Lynn S. Jenkins, Clerk
by Natalie C. Owens D.C.

YORK COUNTY
APPROVED FOR RECORDATION
BY: Carl A. Bryant CAB
TITLE: Computer Mapping & GIS Technician
DATE: 10·16·01

G15C-1235-2007

REVISIONS		
NUMBER	DATE	DESCRIPTION
A	9/11/01	ISSUED FOR HEALTH DEPARTMENT APPROVAL

SUTTON & JAMES, P.C.
Land Surveying & Civil Engineering
P.O. Box 1596
Gloucester, Va. 23061
PH: (804) 693-4450
NORMAN L. SUTTON, C.L.S. DONALD G. JAMES, P.E.

COMMONWEALTH OF VIRGINIA
DONALD G. JAMES
CERTIFICATE NO. 016518
PROFESSIONAL ENGINEER

SCALE	1" = 20'
DATE	9 / 10 / 01
JOB NO.	7169

PROPOSED SEWAGE DISPOSAL SYSTEM
FOR
Peter C. and Constance S. Diakun
BEING
Lot 7
Queen's Lake
REVISED SECTION WE
Bruton District
York County, Virginia

SHEET 1 OF 2