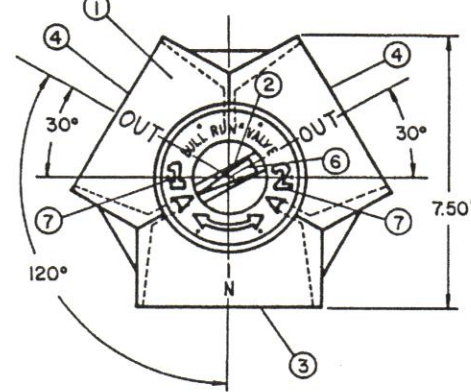


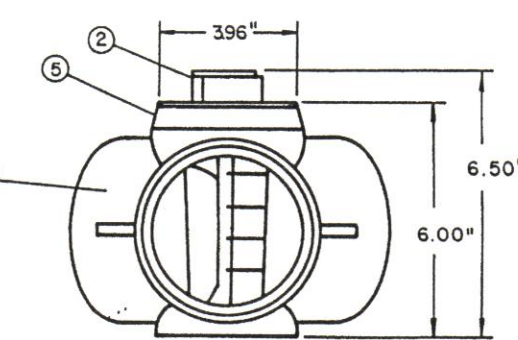
Bull Run® Valve

Specification Sheet

SIZE: 4" Valve Ports
MATERIAL: PVC
WEIGHT: 2½ Pounds
POSITIONER: Manual with Internal Stop



- 1 Valve Body
- 2 Direction Control Handle
- 3 Valve "IN" Port
- 4 Valve "OUT" Port
- 5 Riser Tube Connection
- 6 Positioning Shape
- 7 Indicator Number



OPERATION OF VALVE

The Direction Control Handle is turned using the valve key (a standard water meter key) provided so the Positioning Shape on the Direction Control Handle is perfectly in line with the corresponding Positioning Shape labeled as No. 1 or No. 2 on the valve body. The indicator number shows which side of the field is in use.

PATENT NO. 4,217,933

American Manufacturing Co., Inc., P.O. Box 549, Manassas, VA 22110 (800) 345-3132

INSTALLATION INSTRUCTIONS

DIRECT BURIAL

The valve is designed to be buried directly in the pipe trench requiring no concrete or hold down strap installation. The valve must be installed with the septic tank effluent line connected to the valve port marked "IN". The valve ports marked "OUT" are connected to each half of the drainfield.

ADAPTABLE TO VARIOUS PIPES

Each valve port plus the riser tube connection are 4" schedule 40 female connections. Use simple PVC, ABS, or Multi-purpose glue to form a water-tight joint. Any of the following can be used to connect the Valve:

1. Schedule 40 PVC or ABS pipe
2. Adaptor Bushing (DWV hub to sewer & drain adaptor)
3. ASTM D2729 (Schedule 30) coupling
4. Bell end of ASTM D2729 (Schedule 30) pipe

OPERATION BY WATER METER KEY

A riser cap adaptor, a water-tight access cap and valve key are provided. The valve should be buried at such a depth as to allow easy access and operation from the ground surface with the standard water key provided.

PUMP SYSTEMS

Effluent pumps can be used to dose the drainfield. The top of the valve is o-ring sealed and pressure tight under normal effluent pump operating conditions. Maximum pressure 25 psi.

The internal plug is tapered to match the valve body seating ribs. This seating mechanism will prevent by-pass under minimum head pressure conditions. To prevent by-pass under low pressure conditions, specify the Bull Run Valve gasket.

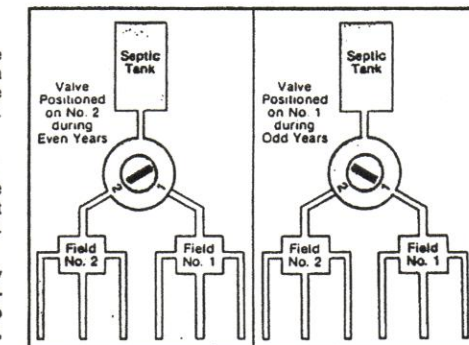
LABEL AND INSTALLATION INSTRUCTIONS.

A label is provided with each valve sold. The label is designed to be placed in a service area, possibly near a fuse box or circuit breakers. The label should serve as a helpful reminder to turn the valve, thus prolonging the life of the septic system. Installation instructions and instructions for filling out and placing the label are provided with each valve sold.

SAMPLE VALVE SPECIFICATION

A non-corrosive alternating valve shall be provided with 4" schedule 40 female connections. The valve plug shall be non-removable, water-tight, and externally operated. The valve shall be provided with an internal stop mechanism for positioning the plug, and the plug shall be non-jamming when turning from stop to stop. There shall be no metal parts in contact with the wastewater.

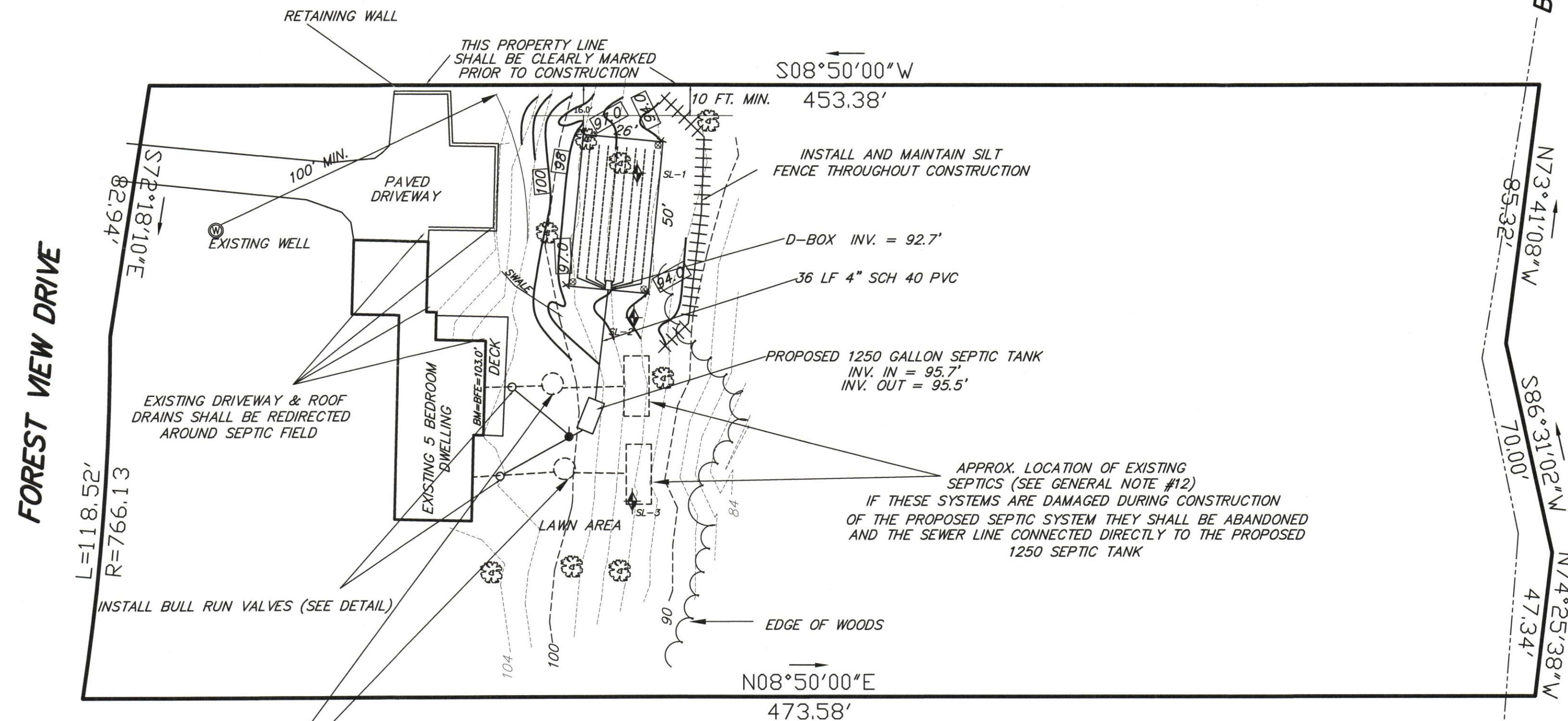
The inlet and outlet ports shall be clearly labeled for easy installation and the position of the valve shall be clearly indicated on top of the valve. At no time shall the operator have contact (physical or visual) with the wastewater. The valve shall be installed in such a manner as to be easily accessible from the ground surface and operated with a standard water key provided.



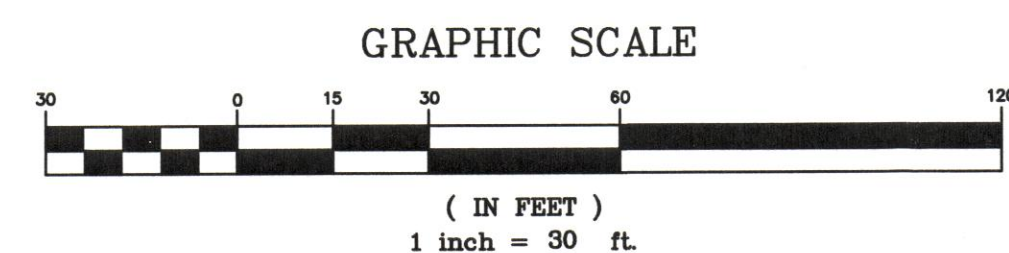
American Manufacturing Co., Inc.
P.O. Box 549, Manassas, VA 22110 (800) 345-3132

Flemington Precast & Supply, L.L.C.
18 Allen Street, Flemington, NJ 08822-1199
Tel: (609) 782-3246 Fax: (609) 782-1881

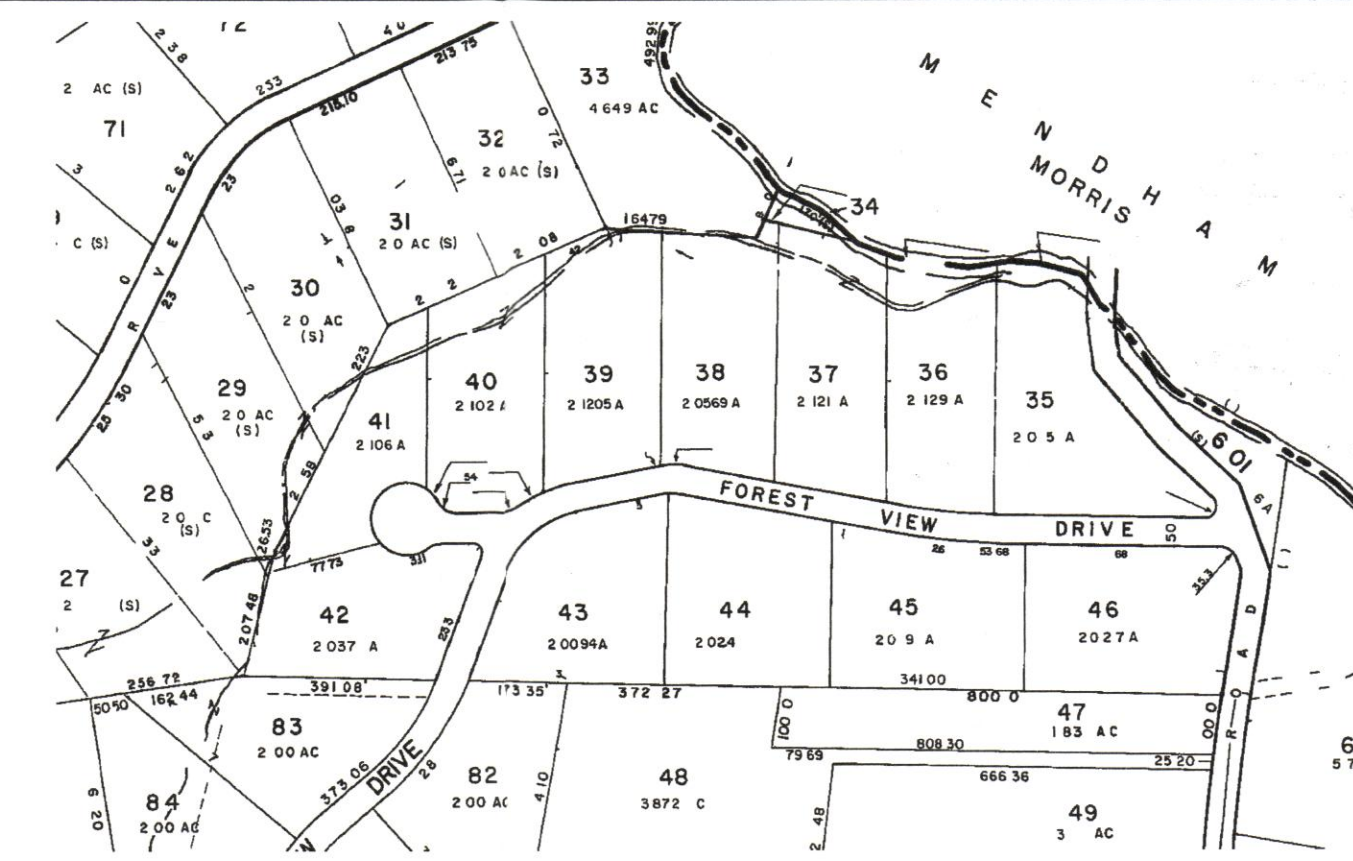
THERE ARE NO KNOWN ADJOINING WELLS OR SEPTIC IN THIS AREA



EXISTING 1000 GALLON SEPTIC TANKS SHALL BE PUMPED BY A LICENSED SEWAGE SCAVENGER AND INSPECTED TO INSURE THEY ARE FUNCTIONING PROPERLY. THEY SHALL BE REPAIRED OR REPLACED AT THE DISCRETION OF THE BOARD OF HEALTH OFFICAL.



- NOTE. 1. PRIOR TO CONSTRUCTION CONTRACTOR TO VERIFY INVERT OF THE SEWER LINES EXITING THE DWELLING TO ENSURE GRAVITY FLOW TO THE PROPOSED SEPTIC TANK AND DISPOSAL FIELD.
2. PRIOR TO CONSTRUCTION CONTRACTOR TO VERIFY INVERT OF THE EXISTING SEPTICS TO ENSURE GRAVITY FLOW FROM THE BULL RUN VALVES TO PROPOSED SEPTIC TANKS.
3. THE USE OF THE BULL RUN VALVES AND POTENTIAL CONTINUING USE OF THE EXISTING SEPTIC SYSTEMS IS BEING DONE AT THE SPECIFIC INSISTENCE OF THE TOWNSHIP HEALTH OFFICAL, DAN PELT.



KEY MAP
TOWNSHIP OF CHESTER
TAX MAP SHEET No. 27



LEGEND

- SL-23 DENOTES SOIL LOG
- ⊗ DENOTES INSPECTION PORT
- DENOTES CLEANOUT

Chester Township
Board of Health
APPROVED
Daniel J. Pelt
R.E.H.S.
Date 8/17/06 *DJP*



**YANNACCONI
VILLA
& ALDRICH, LLC**

460 MAIN STREET, P.O. BOX 459
CHESTER, NEW JERSEY 07930
PHONE: 908-879-6646
FAX: 908-879-8591

N.J. STATE BOARD OF P.E. & L.S.
CERTIFICATE OF AUTHORIZATION
No. 24GA27934500

GREGORY E. YANNACCONI
N.J. PROFESSIONAL ENGINEER
NO. 39904 DATE: 12/7/06

NOT VALID WITHOUT SIGNATURE AND RAISED SEAL

NO.	DATE	REVISION
1.	12/11/06	edit per health dept.

PROJECT TITLE :

**RAUSCHKOLB
PROPERTY**

LOT 36 ~ BLOCK 26.01
CHESTER TOWNSHIP
MORRIS COUNTY, NEW JERSEY

SHEET TITLE :

**SEPTIC DESIGN
PLAN**

DRAWN BY:	DATE:
GJK	11/14/06

CHECKED BY:	SCALE:
GEY	NTS

W.O. 206131

F.B. —

FILE:

COMP FILE: M:SEPTIC/206131/LOT36

SHEET 1 OF 2