

LAYOUT _____

INSP 1 _____ INSP 3 _____

INSP 2 _____ INSP 5 _____

ISSUE DATE: 5/1/2006

P 524433

APPROVAL
DATE: 5/1/2006

A _____

PERMIT SHARED SEPTIC SYSTEM

INDEXED

HOUSE SEWER LINE CONNECTION

TAX ID# 03-344908

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

NVR, INC / RYAN HOMES IS PERMITTED TO INSTALL ALTER

ADDRESS: 6085 MARSHALEE DRIVE PHONE NUMBER: 410-796-0930

SUBDIVISION Homeland LOT NUMBER: 129

ADDRESS: 12106 Windsor Moss PROPERTY OWNER: NVR Inc./Ryan Homes

NUMBER OF BEDROOMS: 2

HOUSE SERVED BY PUBLIC WATER? YES

LOCATION:	Install 4" house sewer line connection per the approved site plan.
NOTES:	This permit is limited to the installation of the individual house sewer line connection and installation of the grinder pump, if applicable. The Howard County Bureau of Utilities must be contacted for scheduling of inspection of these items, as well at 410-313-4900.

PLANS APPROVED: M. Davis DATE: 12/21/05

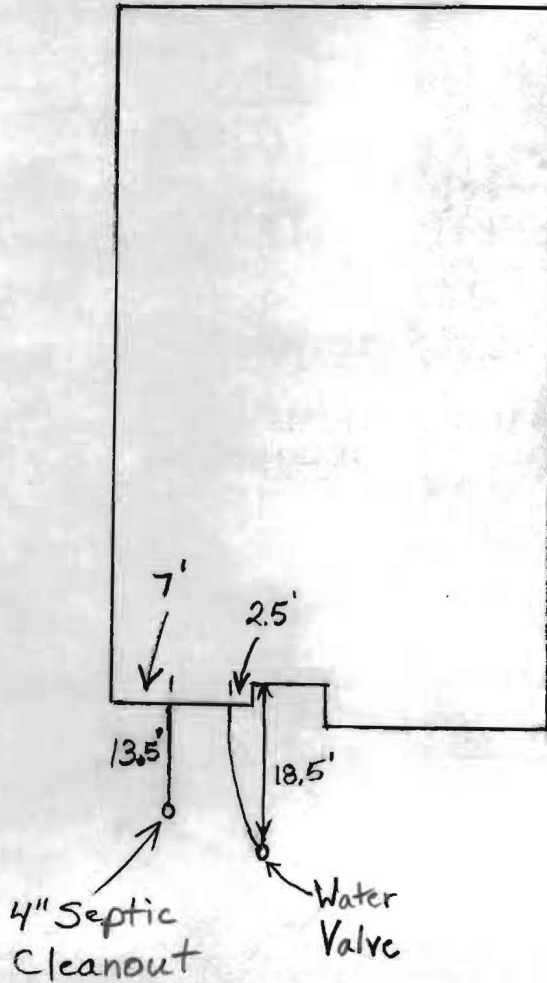
PERMIT VOID AFTER 2 YEARS

1. CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS.
2. ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED.
3. MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED.
4. CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT.
5. NEITHER THE HOWARD COUNTY COUNCIL OR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.
6. PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.

CALL 410-313-1771 FOR INSPECTION HOUSE CONNECTION

0524433

NOT TO SCALE



Windsor Moss

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
_____	_____	_____
NUMBER OF TRENCHES _____		
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL _____		
DISTRIBUTION BOX BAFFLE _____		
DISTRIBUTION BOX PORT _____		

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

SEPTIC TANK 2 LEVEL _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

PRE-CONSTRUCTION _____

INSTALLATION 1/24/2006 Septic house connection is 6.5' below brick ledge. Water connection is 5' below brick ledge. O.K. to cover everything. Need to pay for septic permit. **BB**

FINAL INSPECTOR _____

DATE OF APPROVAL 5/1/2006

Methods:
 Operator's Operation and Maintenance Manuals
 provide operations and maintenance
 and at least 60 days prior to the date set for
 to the Owner five (5) Operation and
 and electrical systems and equipment
 include all installation, operation, start-up and
 listed in the manuals shall consist of catalogs,
 files, parts, lists, assembly drawings, wiring
 and maintenance measures, approved working
 drawings for the Owner to establish an effective
 and in 3-ring loose-leaf binders and indexed.
 above dimensions and placed in envelopes

Operator and/or Owner in understanding the
 limitations of the equipment as well as to
 ensure. Technical and maintenance information
 and electrical components shall be included
 but not limited to, Operation Responsibilities,
 Design Criteria, Operational Modifications,
 Component Equipment O&M, System Equipment
 and As-Builts.

Approval of the facilities will not be undertaken until
 all plans have been submitted. Partial approvals.

NH ₃ -N	35	mg/L
Alkalinity (as CaCO ₃)	100	mg/L
pH	6.0 - 9.0	S.U.
Water Temperature Min.	15	°C
Water Temperature Max	28	°C
Air Temperature Min.	0	°F
Air Temperature Max	100	°F
Site Elevation	442	ft
Effluent Characteristics		
BOD ₅ (20°C)	30	mg/L
Total Suspended Solids	30	mg/L
NH ₃ -N	1.0	mg/L
Total Nitrogen (N)	10.0	mg/l
Influent Pumping		
Average design rate in	15.3	gpm
Peak rate in	61.2	gpm @ 4 x Avg.
Pump rate provided	70	gpm 1 pump (28' TDH)

SBR F

Dosing

PUBLIC WATER +
 PRIVATE SHARED SEPTIC
 SYSTEM

SDP-03-030

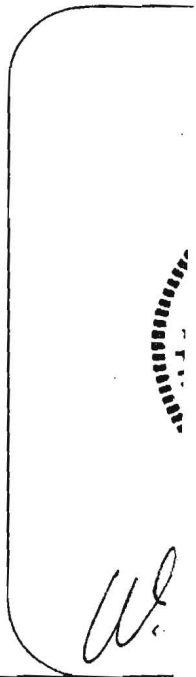
HOMELAND SENIOR CENTER
 147 UNITS TOTAL
 EACH UNIT CAN ONLY
 BE A TOTAL OF 2 BEDROOMS

Approved Septic System Plan MDE
~~Howard County Health Department~~

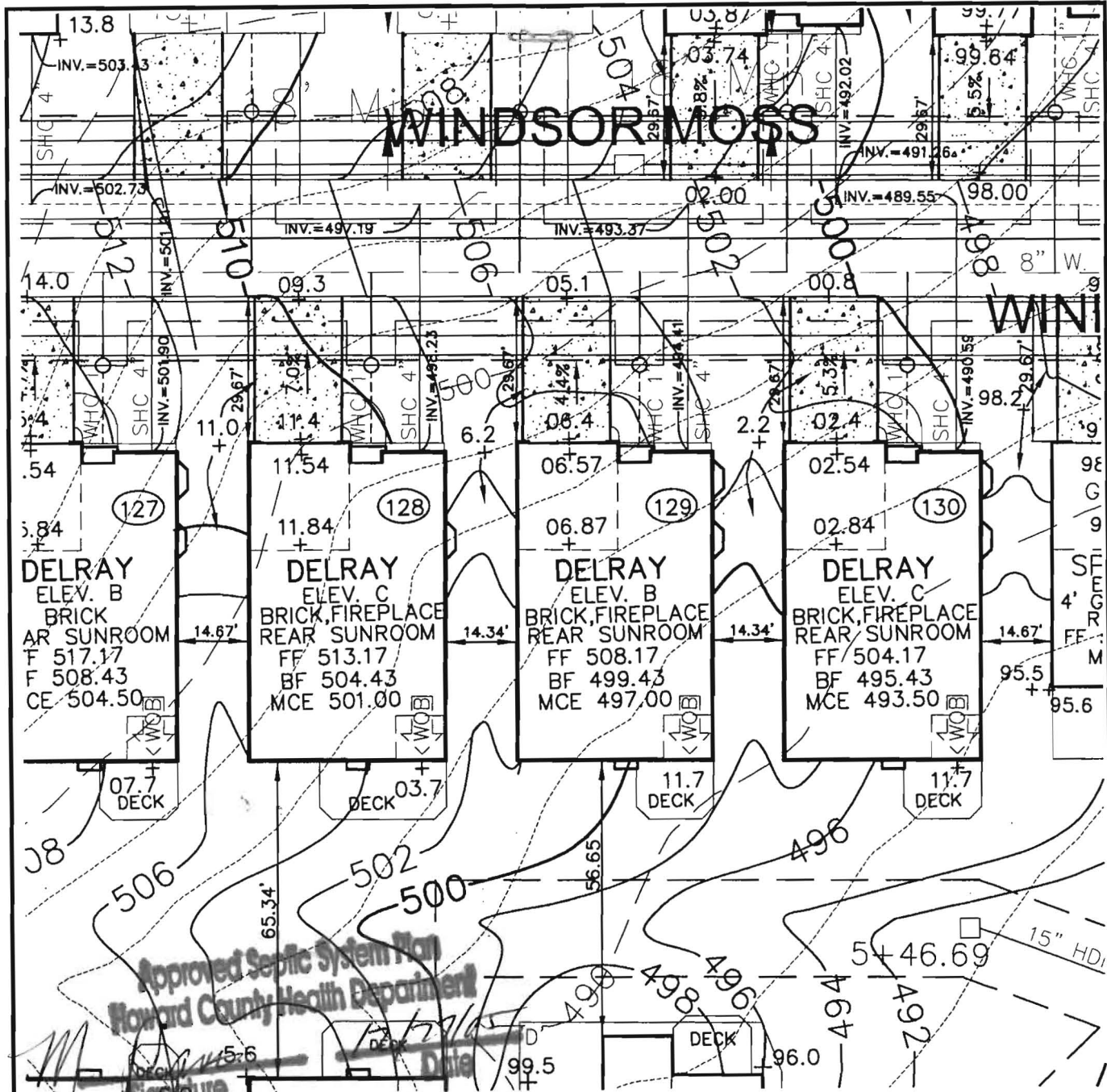
Approved Septic System Plan
 Howard County Health Department

[Signature] 9-2-03
 Signature Date

Steven Roger King 9/2/03
 Signature Date



[Handwritten initials]



Approved Septic System Plan
Howard County Health Department



ROBERT H. VOGEL
ENGINEERING, INC.
ENGINEERS • SURVEYORS • PLANNERS
8407 MAIN STREET TEL: 410.461.7666
ELLICOTT CITY, MD 21043 FAX: 410.461.8961

NOTE:
ALL DIMENSION ARE FROM
ARCHITECTURAL BRICK LEDGE.

SCALE 1"=30'
DRAWN BY JCO
CHECKED BY RHV
DATE DEC., 2005
W. O. # 04-87.00
SHEET# 1 OF 1

RYAN HOMES
ELLICOTT MEADOWS
UNIT 129

HOMELAND SDP-03-30
TAX MAP 16
3RD ELECTION DISTRICT

PARCEL 53,96,165&204
HOWARD COUNTY, MARYLAND