

LAYOUT _____

INSP 1 _____ INSP 3 _____

INSP 2 _____ INSP 5 _____

ISSUE DATE: 4/14/05

P 522096-B

APPROVAL DATE: 5/6/05

A 515326

PERMIT SHARED SEPTIC SYSTEM

INDEXED

03343596

HOUSE SEWER LINE CONNECTION

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

IS PERMITTED TO INSTALL ALTER

ADDRESS: _____ PHONE NUMBER: _____

SUBDIVISION Homeland LOT NUMBER: 82

ADDRESS: 3012 Harbin Field PROPERTY OWNER: NVR, Inc.

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: Kevin J. Bell DATE: 3/2/05

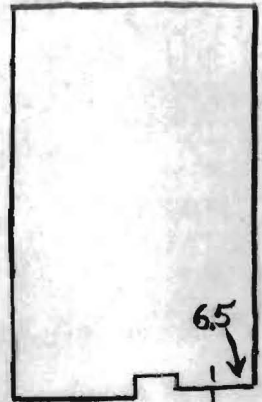
PERMIT VOID AFTER 2 YEARS

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

P522096-B

NOT TO SCALE



4" Water Valve

4" Septic Cleanout

Harbin Field

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 _____

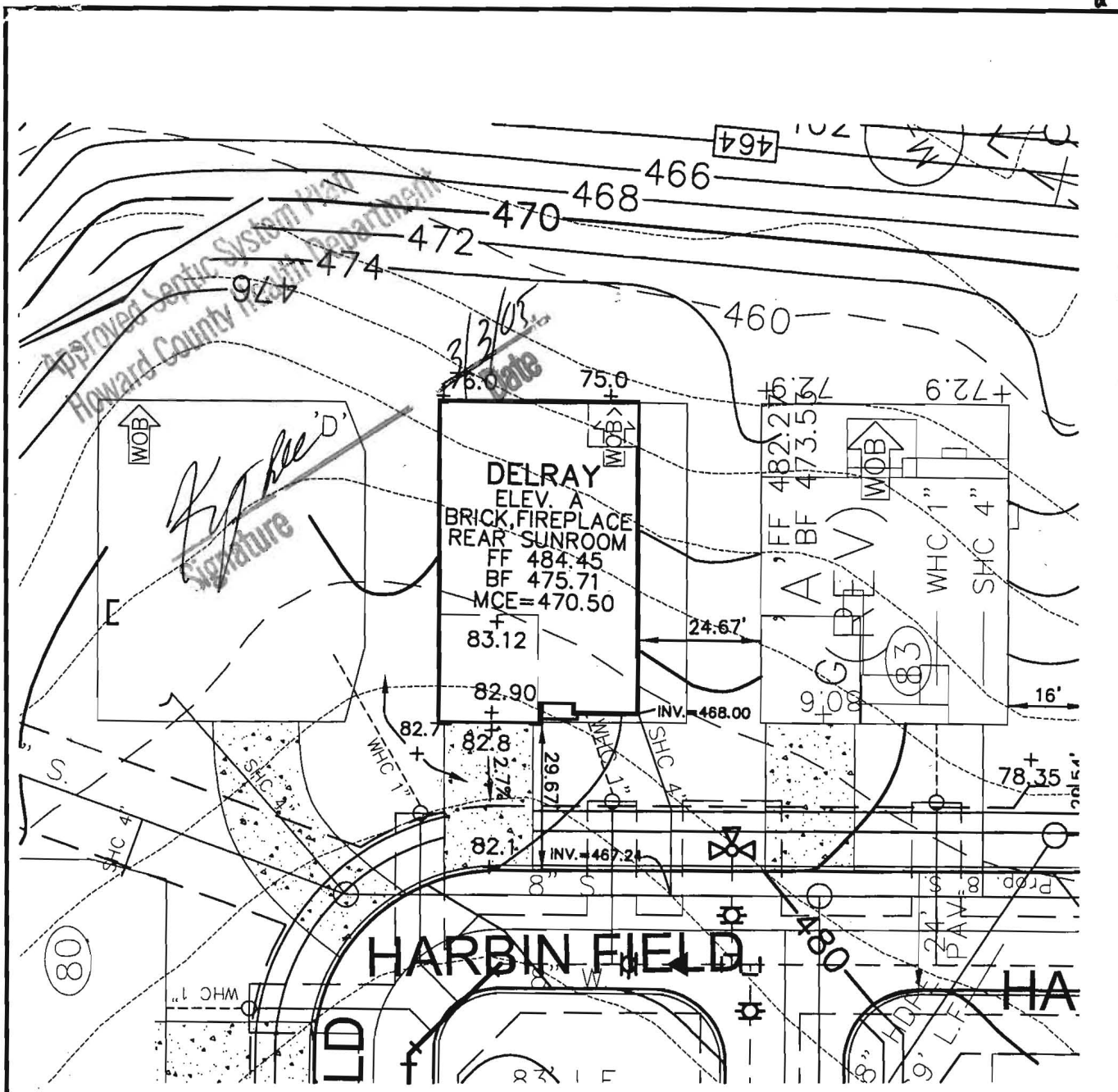
WATERTIGHT TEST _____

PRE-CONSTRUCTION _____

INSTALLATION 5/6/05 Septic connection made with schedule 40 pipe. Working on water line. O.K. to cover. (BB)

FINAL INSPECTOR Brian Baker DATE OF APPROVAL 5/6/05

BSD
2.18.05



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 JANUARY, 2005
 W. O. # 04-87.00
 SHEET# 1 OF 1

RYAN HOMES
ELLICOTT MEADOWS
UNIT 82

REV. 1.21.05
 HOMELAND SDP-03-30
 TAX MAP 16
 3RD ELECTION DISTRICT

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

hods.
 er'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
 id electrical systems and equipment
 include all installation, operation, start-up and
 red in the manuals shall consist of catalogs,
 iles, parts, lists, assembly drawings, wiring
 re maintenance measures, approved working
 ary for the Owner to establish an effective

und in 3-ring loose-leaf binders and indexed.
 ove dimensions and placed in envelopes

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

nce of the facilities will not be undertaken until
 nuals 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)

PUBLIC WATER +
 PRIVATE SHARED SEPTIC
 SYSTEM

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

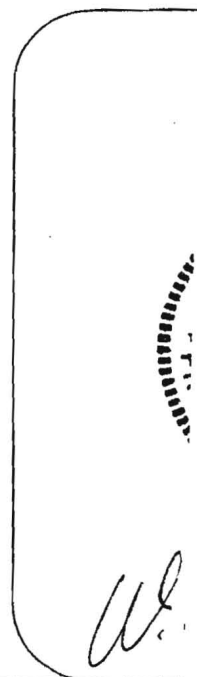
SDP-03-030

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

Approved Septic System Plan
 Howard County Health Department

Robert [Signature] 9-2-03
 Signature Date

Steven Roger Krieger 9/2/03
 Signature Date



W.



HOWARD COUNTY HEALTH DEPARTMENT

Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia MD 21046
(410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 Toll Free 1-877-4MD-DHMH

Penny E. Borenstein, M.D., M.P.H., County Health Officer

July 12, 2005

NVR Inc. t/a Ryan Homes
6085 Marshalee Drive, Suite 140
Elkridge, Maryland 21075

SENT VIA FACSIMILE 410-796-7094

RE: Homeland, Lot 82
3012 Harbin Field
Ellicott City, MD 21043
BP # B00152414
PUBLIC WATER

Dear Sirs or Madam:

This is to advise that the connection from the house to the street has been installed and inspected for the referenced property. A Community Septic System serves this dwelling. **Final approval was granted on 05/06/2005 by HCHD for the house connection.**

The property is served by public water and is therefore exempt from the Health Department water sampling requirements.

By issuance of this letter, this office recommends release of the Use and Occupancy permit for the referenced property.

RECOMMENDATION FOR USE AND OCCUPANCY

Respectfully,

Stuart F. Oster, R. S.
Well and Septic Program

cc: DILP, Building Inspectors Office
File