

LAYOUT _____
INSP 1 _____ INSP 3 _____
INSP 2 _____ INSP 5 _____

ISSUE DATE: 3/29/2005

P 522057

APPROVAL
DATE:

6/23/2005

A 515326

PERMIT
SHARED SEPTIC SYSTEM
INDEXED

03343588

HOUSE SEWER LINE CONNECTION

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH

Ryan Homes IS PERMITTED TO INSTALL ALTER

ADDRESS: 7084 Marshalee Drive, Elkridge PHONE NUMBER: 410-796-0980

SUBDIVISION Homeland LOT NUMBER: 79

ADDRESS: 3024 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.

BUILDING PERMIT SIGNED AND RETURNED

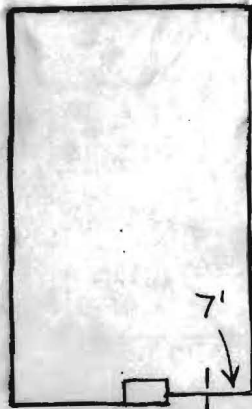
19-213-1771 FOR INSPECTION HOUSE CONNECTION

AND RETURNED

4-7-05 600152859-DECK

100-2001

NOT TO SCALE



← 4" Cleanout
 ← Existing Buried Line

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 _____	

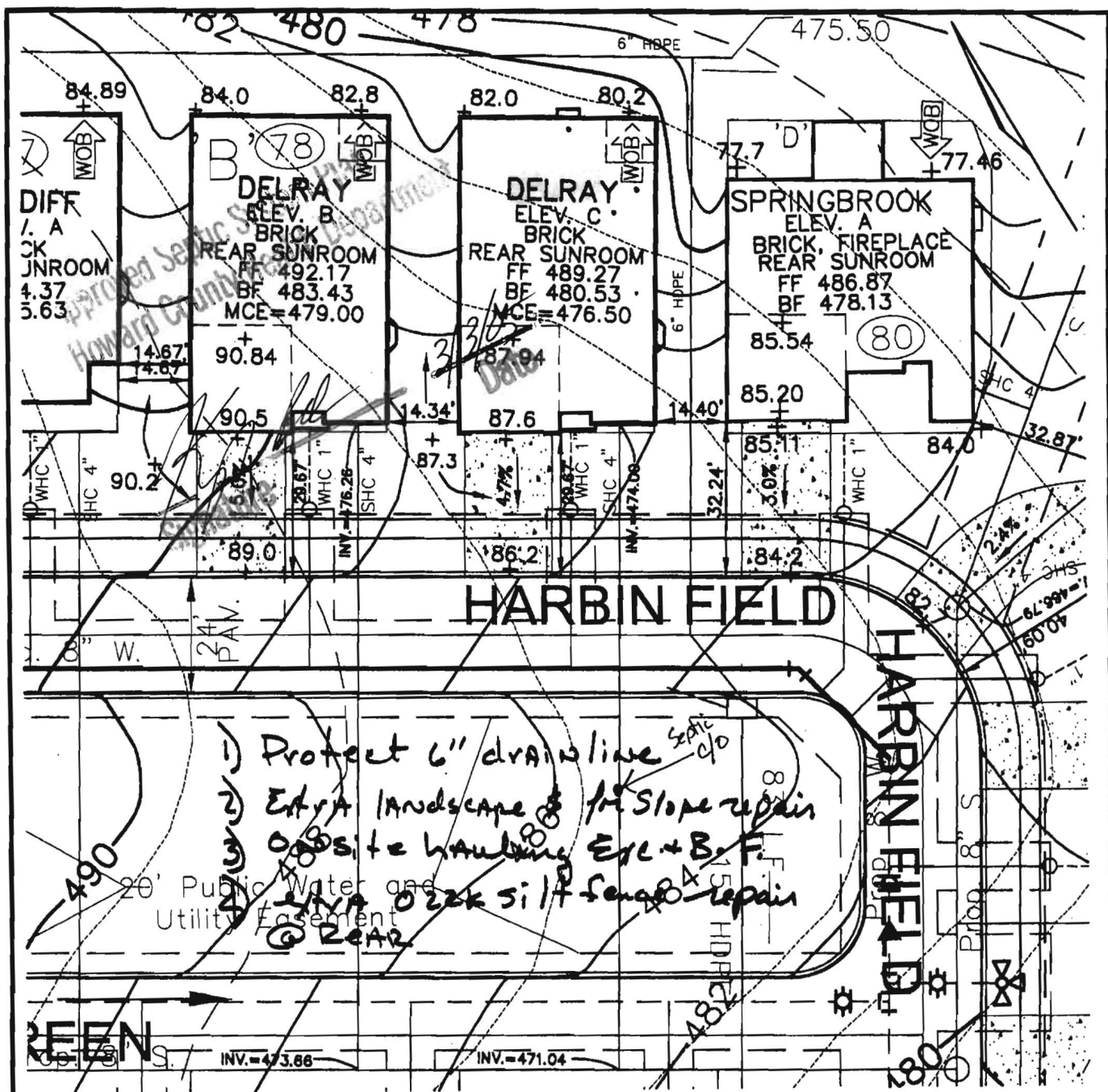
PRE-CONSTRUCTION _____

INSTALLATION 4/4/05 Schedule 40 pipe used for connection. May need an additional cleanout farther from house. BB
6/23/05 Told to approve without additional cleanouts. BB

BUILDING PERMIT SIGNED
 AND RETURNED

FINAL INSPECTOR B. Baker for S.O. DATE OF APPROVAL 6/23/05

BAP 2.15.05



VA 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 79**

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

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

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
 and in the manuals shall consist of catalogs,
 files, parts, lists, assembly drawings, wiring
 and the 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
 operations of the equipment as well as to
 performance. 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.

Completion of the facilities will not be undertaken until
 all manuals 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	SBR R
Air Temperature Max	100	°F	
Site Elevation	442	ft	
Effluent Characteristics			
BOD ₅ (20°C)	30	mg/L	M
Total Suspended Solids	30	mg/L	T
NH ₃ -N	1.0	mg/L	
Total Nitrogen (N)	10.0	mg/l	
Influent Pumping			
Average design rate in	15.3	gpm	Dosing
Peak rate in	61.2	gpm @ 4 x Avg.	
Pump rate provided	70	gpm 1 pump (28' TDH)	

PUBLIC WATER +
 PRIVATE SHARED SEPTIC
 SYSTEM

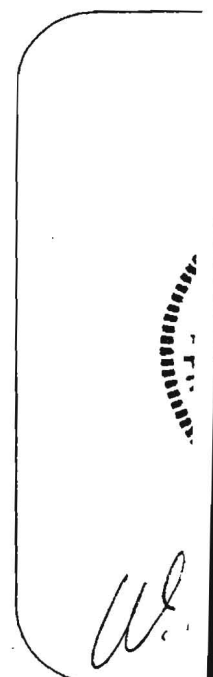
HOME LAND SENIOR CENTER SDP-03-030
 147 UNITS TOTAL
 EACH UNIT CAN ONLY
 BE A TOTAL OF 2 BEDROOMS

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





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 79
3024 Harbin Field
Ellicott City, MD 21043
BP # B00152413
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 06/23/2005 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