

LAYOUT _____

INSP 1 _____ INSP 3 _____

INSP 2 _____ INSP 5 _____

ISSUE DATE: 9/30/2005

P 523407

APPROVAL DATE: 10/12/05

PERMIT SHARED SEPTIC SYSTEM INDEXED

A _____

HOUSE SEWER LINE CONNECTION

HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

NVR/Ryan Homes IS PERMITTED TO INSTALL ALTER

ADDRESS: _____ PHONE NUMBER: 410-796-0980

SUBDIVISION Homeland LOT NUMBER: 136

ADDRESS: 12032 Grayton Run PROPERTY OWNER: NVR Inc. t/a 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: Kevin J. Bell DATE: 9/8/2005

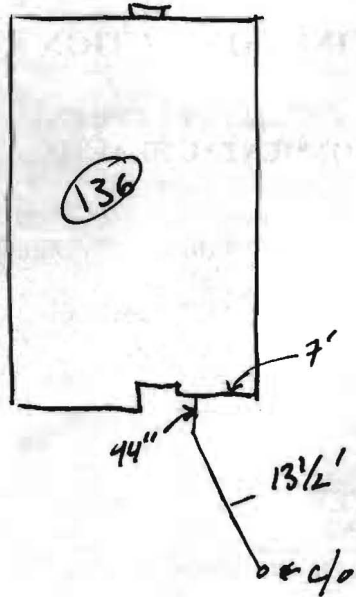
PERMIT VOID AFTER 2 YEARS

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

P523407

NOT TO SCALE



Grayton Run

ROAD

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 - to 10/12/05 Sewer to house connection made (KJD)

INSTALLATION _____

FINAL INSPECTOR LJB

DATE OF APPROVAL 10/12/05



HOWARD COUNTY HEALTH DEPARTMENT

23407

DATE
9 / 30 / 05

Received From

NVR Ryan Homes

PHONE #

410 296-0150

NVR Building Products Exchange Homes

For

Septic Permit

CASH

CHECK

12032 Grayton Run

NO.

Lot 1310

232183

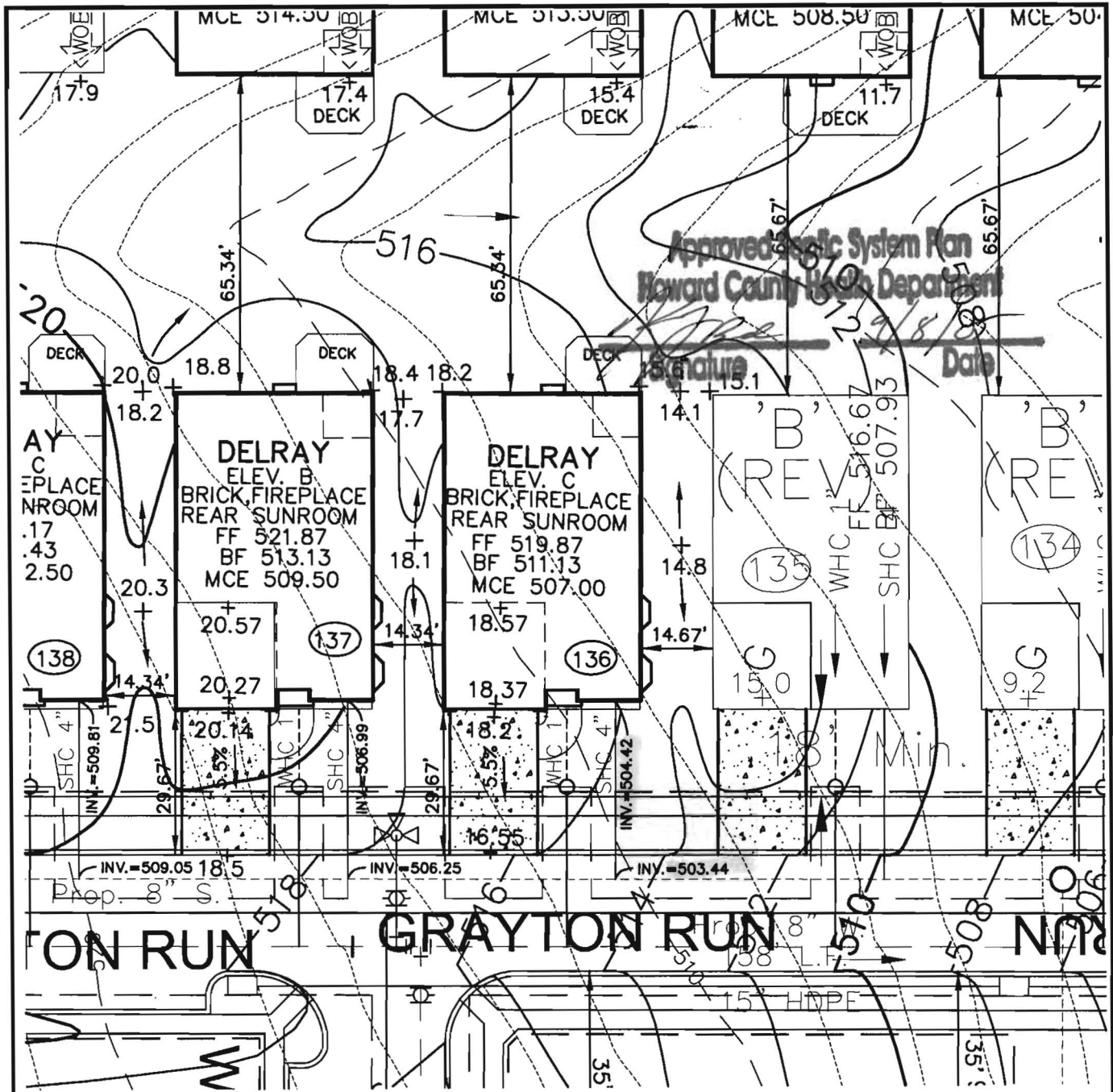
Three hundred twenty six and 00/100

Dollars

\$ 316 | 00

Received By

[Signature]



Approved Septic System Plan
Howard County Health Department

Signature _____ Date _____

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

**RYAN HOMES
ELLICOTT MEADOWS
UNIT 136**

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

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

hods.
 urer'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
 ned in the manuals shall consist of catalogs,
 files, parts, lists, assembly drawings, wiring
 ve 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
 nitations 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-Built.

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)

SBR R

M
T

D

Dosing

PUBLIC WATER +
 PRIVATE SHARED SEPTIC
 SYSTEM

SDP-03-030

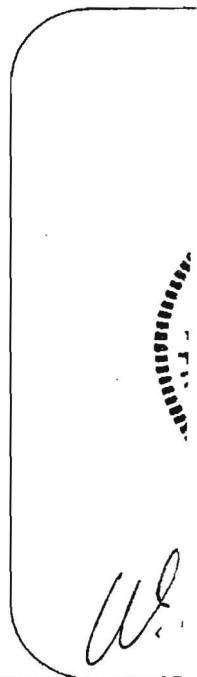
HOME LAND SENIOR CENTER
 147 UNITS TOTAL
 EACH UNIT CAN ONLY
 BE A TOTAL OF 2 BEDROOMS

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

Approved Septic System Plan
 Howard County Health Department

Raymond [Signature] 9-2-03
 Signature Date

Steven Roger Krieg 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

October 12, 2005

NVR Inc.
6085 Marshalee Drive, Suite 140
Elkridge, Maryland 21075

SENT VIA FACSIMILE 410-796-7094

RE: Homeland, Lot 136
12032 Grayton Run
Ellicott City, MD 21042
BP # B00155813
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 10/12/2005 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 Oster, R. S.
Well and Septic Program

cc: DILP, Building Inspectors Office
File