

LAYOUT 11/3/2010 INSP 4 11/12/10  
 INSP 2 11/9/10 INSP 5 \_\_\_\_\_  
 INSP 3 11/10/10 INSP 6 \_\_\_\_\_

546.2 at Tank 4' Depth  
 545.5 at Trench, 5' Depth

ISSUE DATE: 5/21/10

# PERMIT

P 533250

APPROVAL DATE: 11/12/10

A 513229

Tax ID # 05441137

**ON-SITE SEWAGE DISPOSAL SYSTEM  
 HOWARD COUNTY HEALTH DEPARTMENT  
 BUREAU OF ENVIRONMENTAL HEALTH**

IS PERMITTED TO INSTALL  ALTER

ADDRESS: \_\_\_\_\_ PHONE NUMBER: \_\_\_\_\_

SUBDIVISION: Owings Property LOT NUMBER: 32

ADDRESS: 13021 Deanmar Drive PROPERTY OWNER: Richard Kaiser

SEPTIC TANK CAPACITY (GALLONS): 2000 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): \_\_\_\_\_ COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4 APPLICATION RATE: 1.2

SQUARE FOOTAGE OF HOUSE: >3500

LINEAR FEET OF TRENCH REQUIRED: 103' ~~100'~~ or 155'

40', 50', 65' or 50'+70'  
Inlet 5', Bottom 6' 4.5-6'

TRENCHES:	Trenches to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 6.0 feet below grade. Effective area begins at 4.0 feet below original grade with 3.0 feet of stone below distribution pipe.
LOCATION:	Ejector pump required. Run 1x51' and 1x52' trench on contour.
NOTES:	<b>Do not</b> order the septic tank until after layout inspection and Sanitarian approval. Stake septic easement corners. Call for layout inspection. Mark utilities. Gravel tickets must be available for Environmental Sanitarians. Stone must be approved by the Howard County Health Department. A written variance request is required for tanks deeper than 3 feet. A traffic bearing lid is required for tanks deeper than 4 feet.

PLANS APPROVED: Heidi Scott DATE: 3/19/10

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

**NEITHER THE HOWARD COUNTY COUNCIL OR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

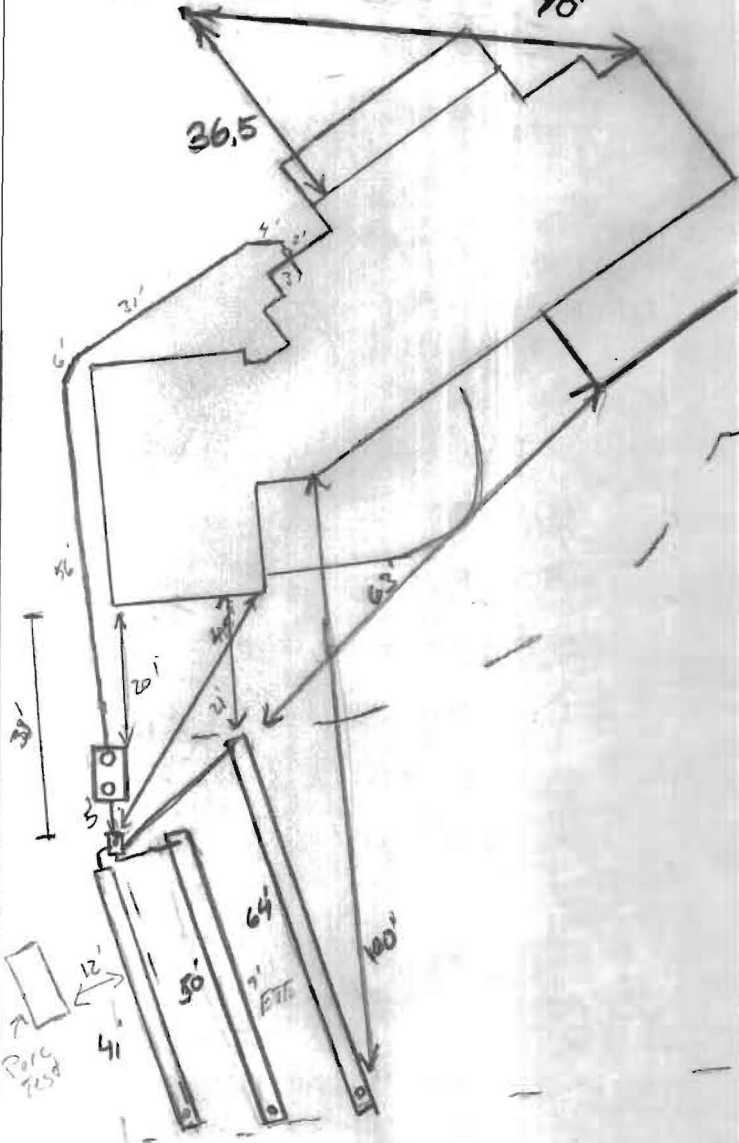
1" = 30'

NOT TO SCALE

H0-95-0079

70'

36.5



**TRENCH/DRAINFIELD DATA**

WIDTH	INLET	BOTTOM
3'	4'-5"	6.5'-7"
NUMBER OF TRENCHES	3	
TOTAL LENGTH	155'	
ABSORPTION AREA	465' + SW	
DISTRIBUTION BOX LEVEL	Lev. 6'	
DISTRIBUTION BOX BAFFLE	Yes	
DISTRIBUTION BOX PORT	Yes	

**SEPTIC TANK DATA**

SEPTIC TANK 1 LEVEL	Yes	
MANUFACTURER	Babylon	
CAPACITY	2000	GAL
SEAM LOC	TOP	J.B.
TANK LID DEPTH	4'-3"	
BAFFLES	Yes	
BAFFLE FILTER	---	
MANHOLE LOC	FRONT	
6" PORT LOC	REAR	
WATERTIGHT TEST	---	
SLOTTED	Yes	
PUMP/SEPTIC TANK LEVEL	N/A	
MANUFACTURER	---	
CAPACITY	---	GAL
SEAM LOC	---	
TANK LID DEPTH	---	
BAFFLES	---	
BAFFLE FILTER	---	
MANHOLE LOC	---	
6" PORT LOC	---	
WATERTIGHT TEST	---	
SLOTTED	✓	

**PRE-CONSTRUCTION**

11/3/2010 Set tank as per drawing on BIP plan. Keep tank no more than 3' below grade.

Depending on depth of dist. box the inlet can be 4.5 or 5'. Trench bottom depth 6'. Depending on inlet install either 120' of trench or 145' of trench (BB)

11/9/10 4" SHTC ran from house to Tank. set ~5' in ground w/ 6' bottom on trenches, manual hole dig top part of SRA. Maximize bottom of top trench to 7' and lower 2 trenches to 6.5'. (KW)

11/10/10 Top trench completed. Bottom held @ 7' looks good. OK to continue (KW)

11/12/10 system complete. OK to backfill (KW)

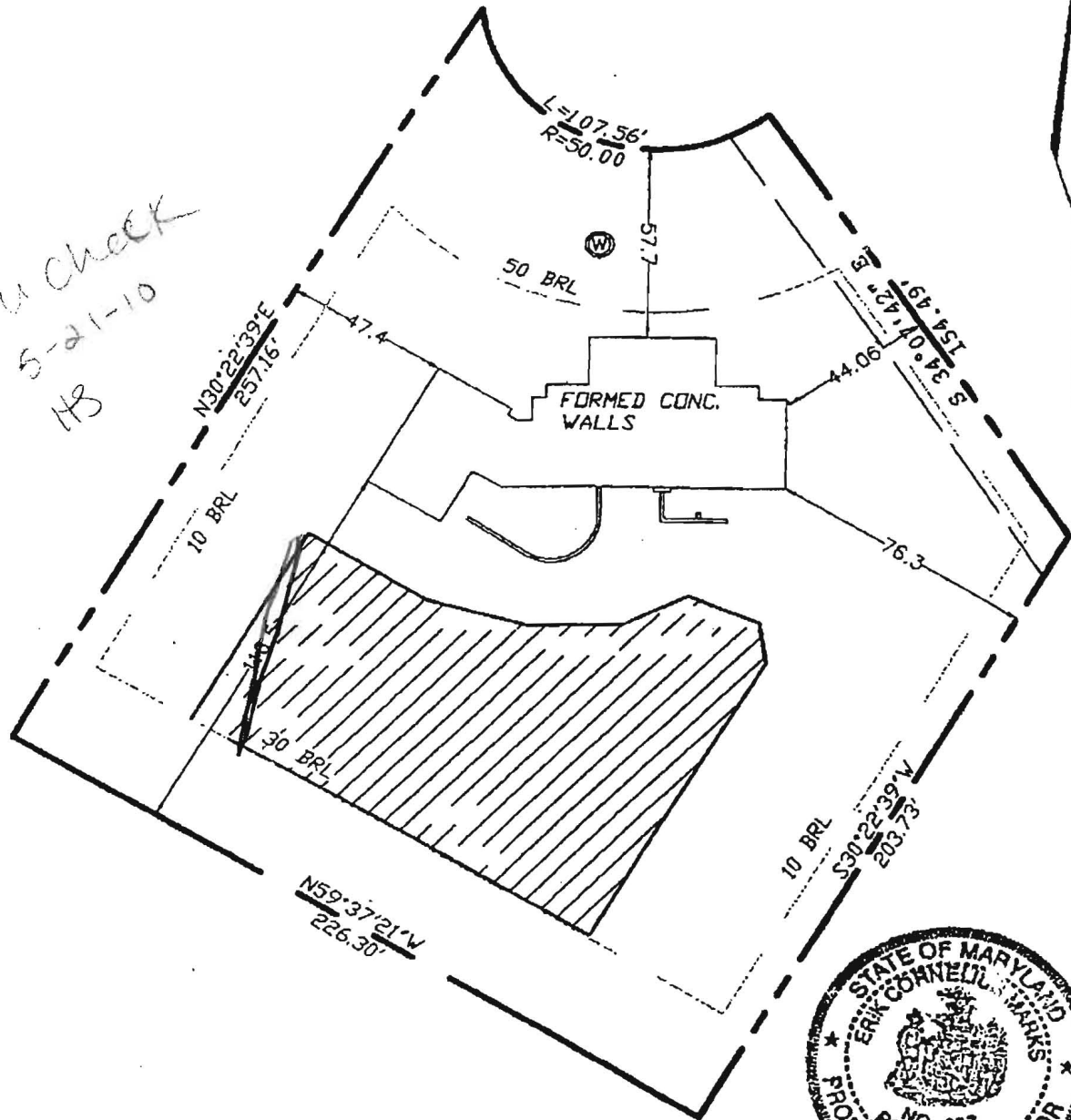
FINAL INSPECTOR

*J. Wray*

DATE OF APPROVAL

11/12/10

Wall check  
OK 5-21-10  
HS



TOP OF WALL ELEVATION: 550.26'

Ⓜ THE EXISTING WELL(S) SHOWN ON THIS PLAN IDENTIFIED WITH THE ATTACHED WELL TAG NO. HO HAS BEEN FIELD LOCATED AND IS ACURATELY SHOWN.

<b>RECORD REFERENCES</b>	<b>WALL CHECK</b>	<b>MARKS &amp; ASSOCIATES L.L.C.</b>
LIBER/FOLIO _____ PLAT BOOK _____ PLAT NO./FOLIO 17795 _____	_____ <b>HARWOOD W. OWINGS PROPERTY, LOT 32</b>	ENGINEERING -SURVEYING-LAND PLANNING 4531 COLLEGE AVENUE ELLICOTT CITY, MARYLAND TELEPHONE (410)747-8738 FAX (410)747-8547
SCALE 1"=50' DATE 05/04/10	HOWARD COUNTY, MARYLAND	I HEREBY CERTIFY, THAT THE IMPROVEMENTS ARE LOCATED AS SHOWN HEREON AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, THERE ARE NO ENCROACHMENTS EXCEPT AS SHOWN. <i>Erik C. Marks</i> ERIK C. MARKS R.P.L.S. #607

Lot 32 Highland Overlook  
13021 DEANMAR DRIVE  
HIGHLAND, MD 20777  
410 747 8547