

LAYOUT 11/14/06 INSP 4 11/15/06  
INSP 2 11/14/06 INSP 5 \_\_\_\_\_  
INSP 3 11/15/06 INSP 6 \_\_\_\_\_

ISSUE DATE: \_\_\_\_\_

APPROVAL DATE: 11/15/06

# PERMIT

INDEXED  
TAX ID #03-345327

P 525608

A 516084-J

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

Flatfields Equipment IS PERMITTED TO INSTALL  ALTER   
ADDRESS: P.O. Box 519 Annapolis Junction PHONE NUMBER: 301.854.6172

SUBDIVISION: Riverwood LOT NUMBER: 27

ADDRESS: 4853 Castlebridge Road PROPERTY OWNER: Winchester Homes

SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): n/a COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 5

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 186 → 165 OK for initial HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 8.0 feet below original grade. Effective area begins at 6.0 feet below original grade. 5.0 feet of stone below distribution pipe.
LOCATION:	Install septic system as shown on the approved building permit plan.
NOTES:	

PLANS APPROVED: Kacie Noonan Reviewed by: \_\_\_\_\_ DATE: 7/6/06

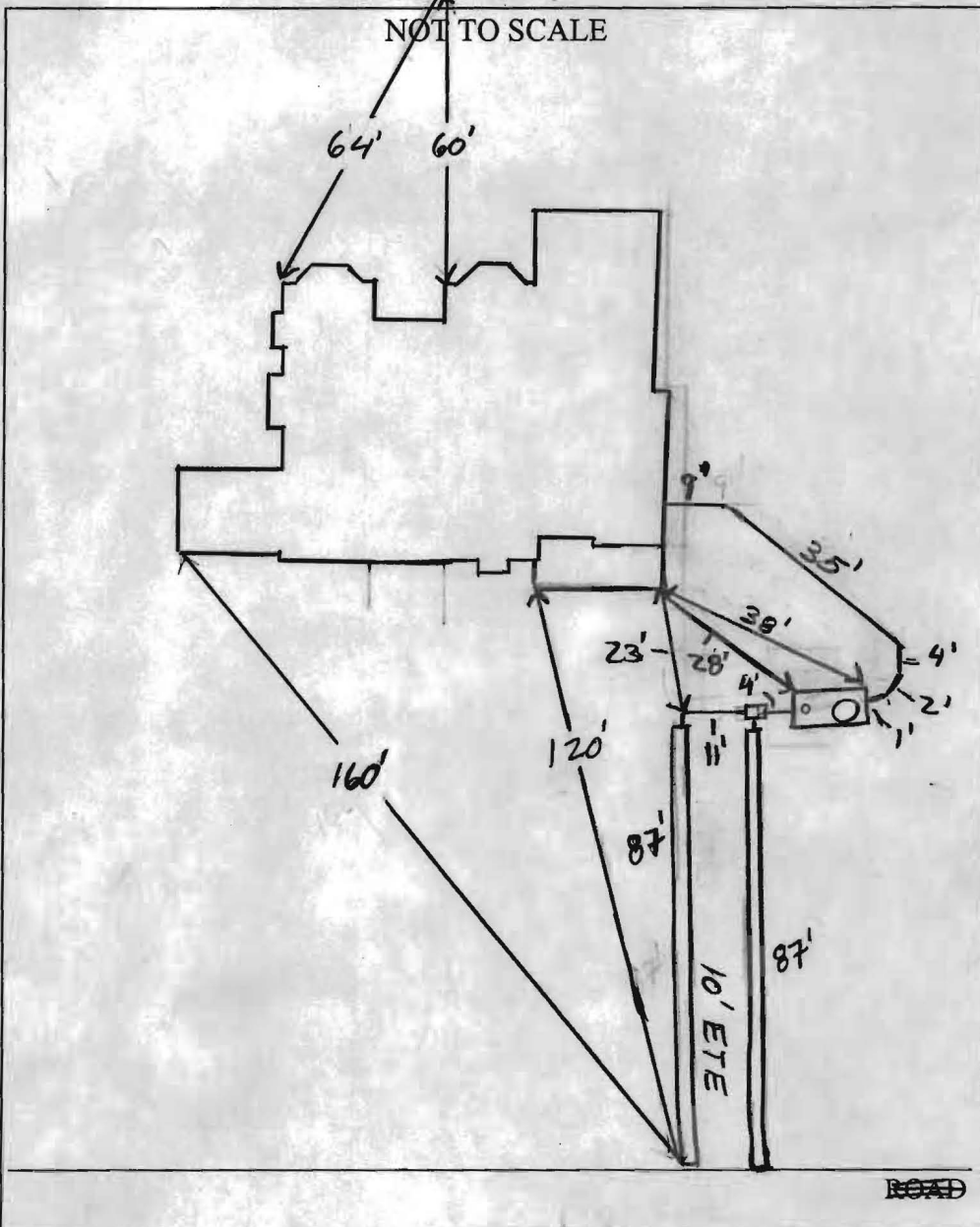
NOTES: PERMIT VOID AFTER 2 YEARS  
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
WATERTIGHT SEPTIC TANKS REQUIRED  
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

**NEITHER THE HOWARD COUNTY COUNCIL NOR 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**

516084

H0-95-0012

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		174
ABSORPTION AREA		522 + SW
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		Yes
DISTRIBUTION BOX PORT		Yes

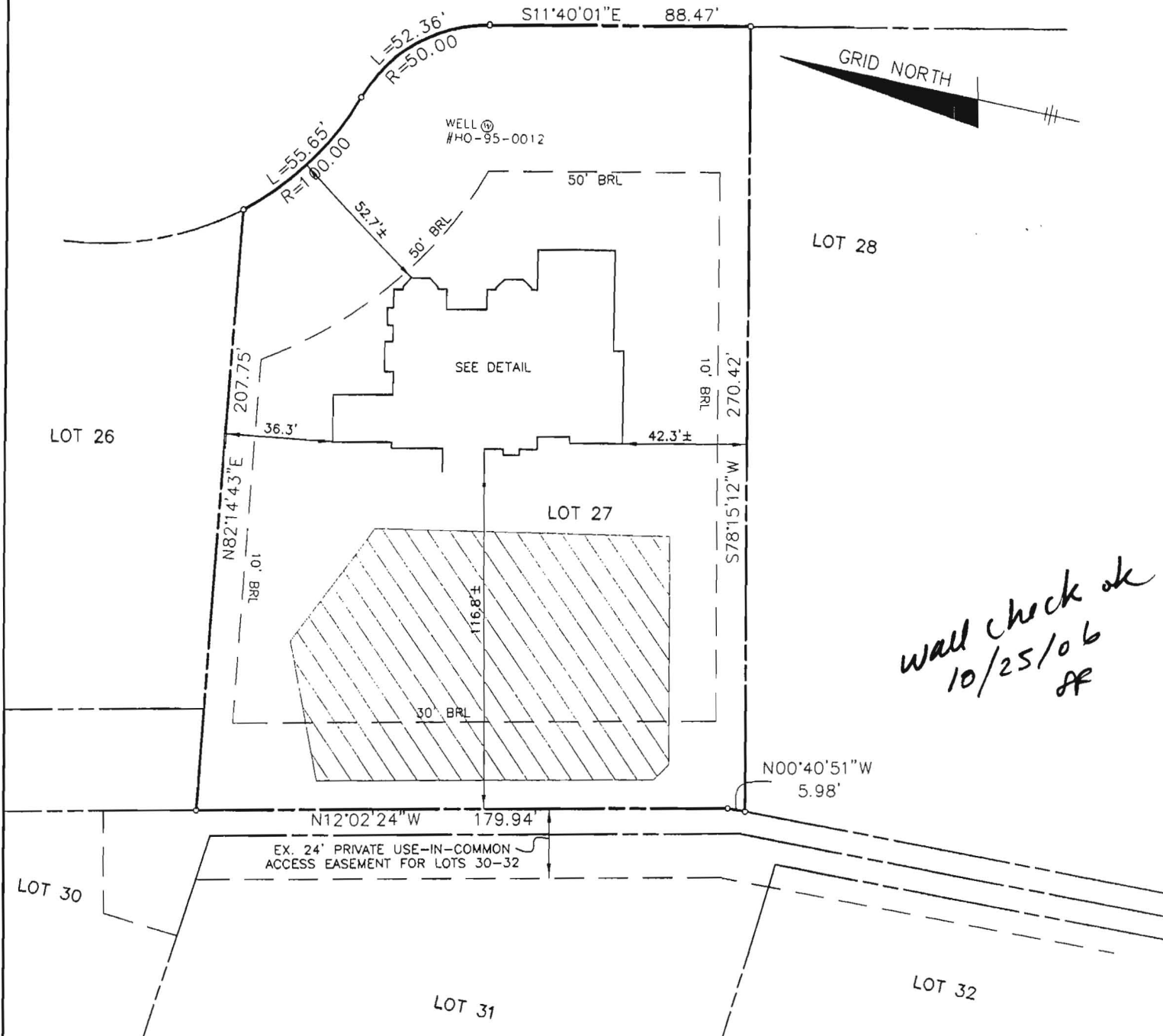
SEPTIC TANK DATA		
SEPTIC TANK 1 LEVEL	Level	
CAPACITY	1500	GAL
SEAM LOC	Top	
TANK LID DEPTH	2.5'-3"	
BAFFLES	Yes	
BAFFLE FILTER	—	
MANHOLE LOC	Front	
6" PORT LOC	Rear	
WATERTIGHT TEST	—	
SEPTIC TANK 2 LEVEL	—	
CAPACITY	—	GAL
SEAM LOC	—	
TANK LID DEPTH	—	
BAFFLES	—	
BAFFLE FILTER	—	
MANHOLE LOC	—	
6" PORT LOC	—	
WATERTIGHT TEST	—	

PRE-CONSTRUCTION 11/14/06 Tank set per plan. Install three trenches on center. 40', 2x 75' trenches running towards lower right lot

INSTALLATION line 11/14/06 Baffles in tank, ID box set, installing bottom trench. (KW) 11/15/06 Spec's on trenches changed via crane. Credited for 2.5' instead of 2' of side wall (KW) 11/15/06 2x 87' trenches installed per new spec's. System complete. OK. to backfill (KW)

FINAL INSPECTOR [Signature] DATE OF APPROVAL 11/15/06

CASTLEBRIDGE ROAD  
EX. PUBLIC MINOR COLLECTOR  
50' R/W



*Wall check ok  
10/25/06  
JH*

TOP OF FOUNDATION WALL = 428.90'  
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1  
THE ORIGINAL SIGNATURE AND STAMP ARE NOT BLACK  
SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 8-21-06

*Stephan Jalon 8/24/06*

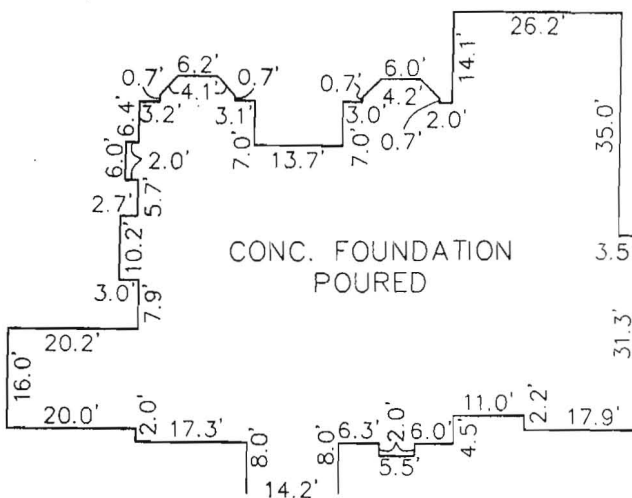
STEPHAN JALON  
PROFESSIONAL LAND SURVEYOR  
MD REG. No. 10726  
FOR BENCHMARK ENGINEERING, INC.  
MD REG. No. 351  
FEMA FIRM No. 240044 0027 B  
ZONE: C  
DATED: 12/04/86



**BENCHMARK**  
ENGINEERS • LAND SURVEYORS • PLANNERS  
**ENGINEERING, INC.**

8480 BALTIMORE NATIONAL PIKE & SUITE 418  
ELLCOTT CITY, MARYLAND 21043  
phone: 410-465-6105 • fax: 410-465-6644  
www.bel-civilengineering.com

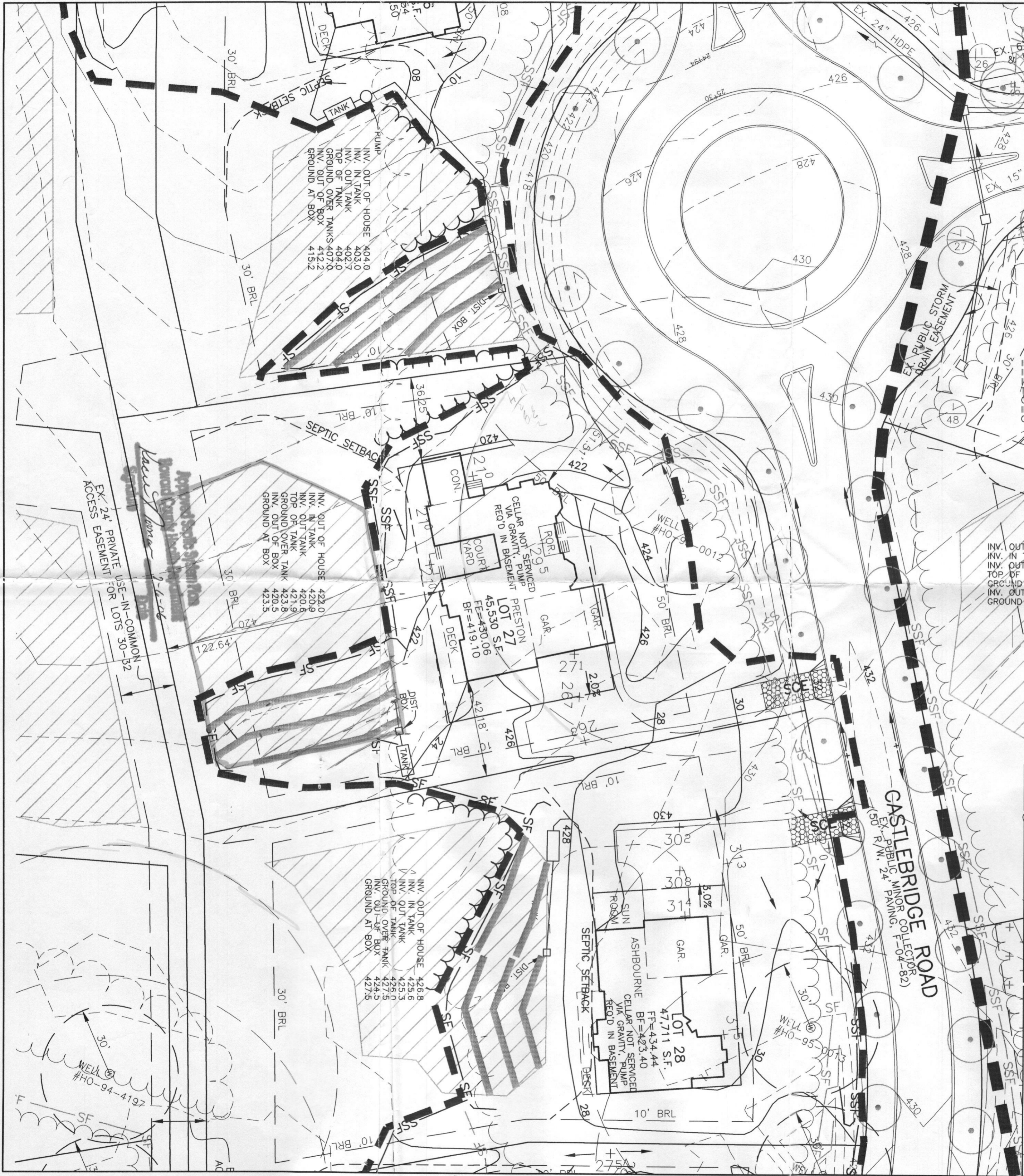
COMPS. BY EWF  
DRAWN BY DH  
OBS BY PJ, PC



FOUNDATION DETAIL  
SCALE: 1" = 30'

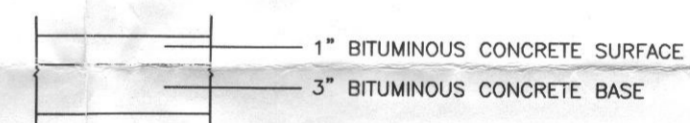
WALL CHECK  
RIVERWOOD  
PHASE 1  
LOTS 1 THROUGH 42  
LOT No. 27  
PLAT NO. 18034  
4853 CASTLEBRIDGE ROAD

3RD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 50' DATE: 8/21/06



**NOTES:**

1. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT FOR RIVERWOOD, PHASE 1, PLAT No. 18034. REFER TO THE PLAT FOR LOT DIMENSIONS, LOT AREAS AND ALL EASEMENTS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
3. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER GP-05-31 AND MODIFIED FOR THIS SPECIFIC HOUSE.
4. TOPOGRAPHY SHOWN HEREON IS TAKEN FROM THE APPROVED ROAD CONSTRUCTION PLANS.
5. EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
6. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
7. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
8. ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS.
9. SEPTIC TANK FOR THIS LOT TO BE 1,500 GALLONS.
10. THE EXISTING WELL SHOWN ON THIS PLAN, HO-95-0012, HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.



**PAVING SECTION**  
NOT TO SCALE

NO.	DATE	REVISION
<p><b>BENCHMARK</b> ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS <b>ENGINEERING, INC.</b></p> <p>8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418 ELLCOTT CITY, MARYLAND 21043 PHONE: 410-465-6105 ▲ FAX: 410-465-6644 EMAIL: <a href="mailto:benchmrk@ccais.com">benchmrk@ccais.com</a></p>		
OWNER/BUILDER:		PROJECT:
CAMBERLEY HOMES, INC. 6905 ROCKLEDGE DRIVE SUITE 800 BETHESDA, MD 20817 PHONE: 301-803-4800 FAX: 301-803-4929		<b>RIVERWOOD LOT 27</b>
LOCATION:		4853 CASTLEBRIDGE ROAD ELLCOTT CITY, MD 21042
TITLE:		TAX MAP No. 29 - BLOCK Nos. 3, 4, 9 & 10 - PARCEL No. 20 3rd ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
HOUSE TYPE:		<b>PERMIT PLAN</b>
DATE:		<b>PRESTON</b>
DESIGN: JMC		DATE: JUNE, 2006
DRAFT: JMC		PROJECT NO. 1679
SCALE: 1" = 30'		DRAWING 1 OF 1