

LAYOUT 10/20/03 12pm INSP 4 _____
INSP 2 11/3/03 - 1:30 INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 9/25/2003 **PERMIT** P 519590
APPROVAL DATE: 11/5/03 **INDEXED** A 50857-T

ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
05-433088

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER
ADDRESS: 580 Obrecht Rd, Sykesville 21784 PHONE NUMBER: 410-795-5670
SUBDIVISION: High Forest Estates LOT NUMBER: 42
ADDRESS: 15200 Open Land Court PROPERTY OWNER: Big Branch Overlook, LLC
SEPTIC TANK CAPACITY (GALLONS): 1500 OUTLET BAFFLE FILTER REQUIRED
PUMP CHAMBER CAPACITY (GALLONS): N/A COMPARTMENTED TANK REQUIRED
NUMBER OF BEDROOMS: 4 WITH MANHOLE ACCESS
SQUARE FEET PER BEDROOM: 180
LINEAR FEET OF TRENCH REQUIRED: 280 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 2.0 feet wide. Inlet 2.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 2.0 feet below original grade. 3.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box near where shown on the approved building permit plan. Run trenches on contour towards the back of the lot.
NOTES:	The trenches should be spaced 8' center to center. the septic tank must be 100 feet from the well.

PLANS APPROVED: Brian Baker OK KN 9/25/03 DATE: 7/28/03

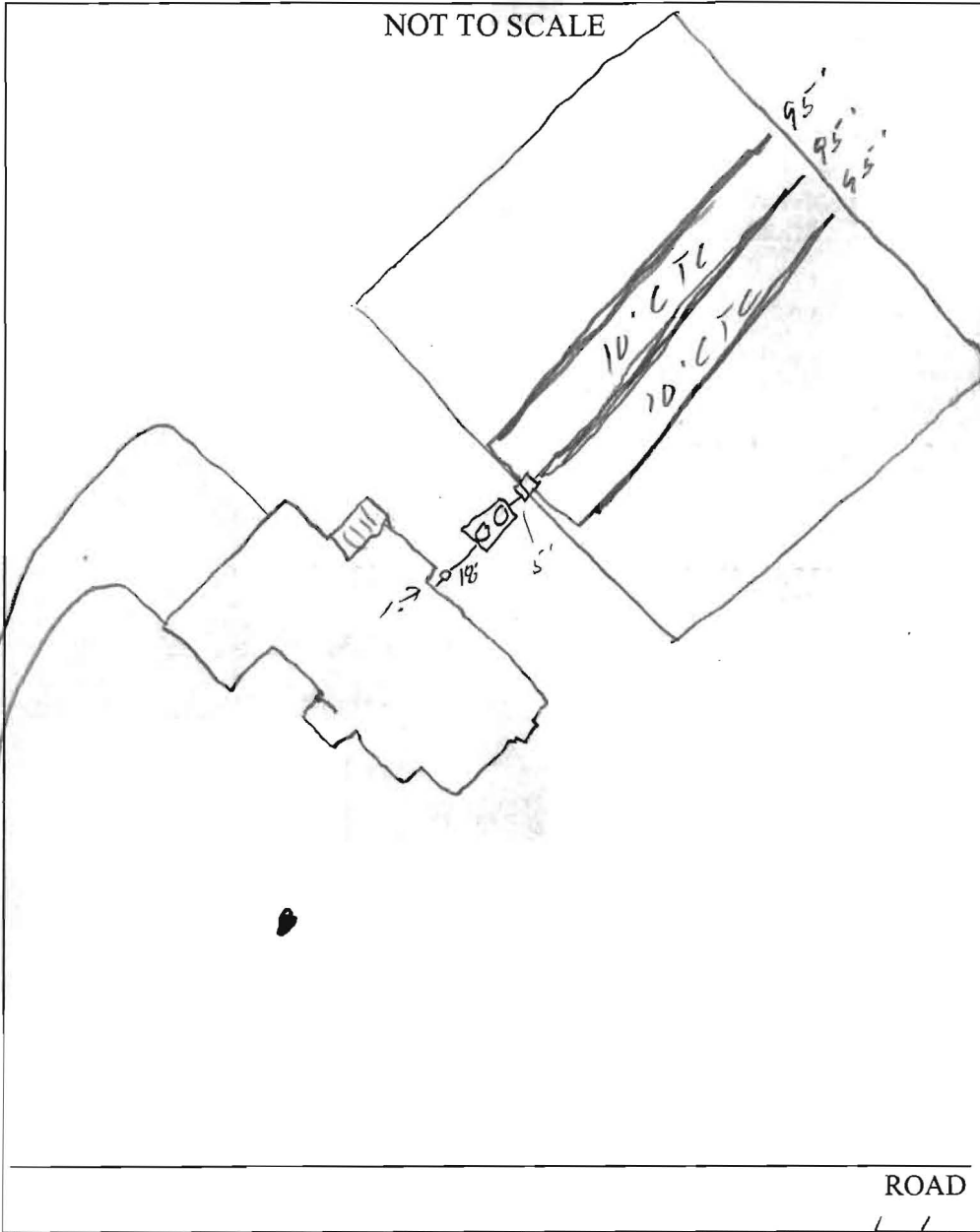
NOTES: PERMIT VOID AFTER 2 YEARS
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
WATERTIGHT SEPTIC TANKS REQUIRED
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND 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
BUILDING PERMIT SIGNED AND RETURNED
ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM

3-11-04 800146742-J6 POOL

P
519590
A-50857-T

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
<u>2'</u>	<u>3'</u>	<u>4'</u>
NUMBER OF TRENCHES		<u>3</u>
TOTAL LENGTH		<u>265'</u>
ABSORPTION AREA		<u>4</u>
DISTRIBUTION BOX LEVEL		<input checked="" type="checkbox"/>
DISTRIBUTION BOX BAFFLE		<input checked="" type="checkbox"/>
DISTRIBUTION BOX PORT		<input type="checkbox"/>

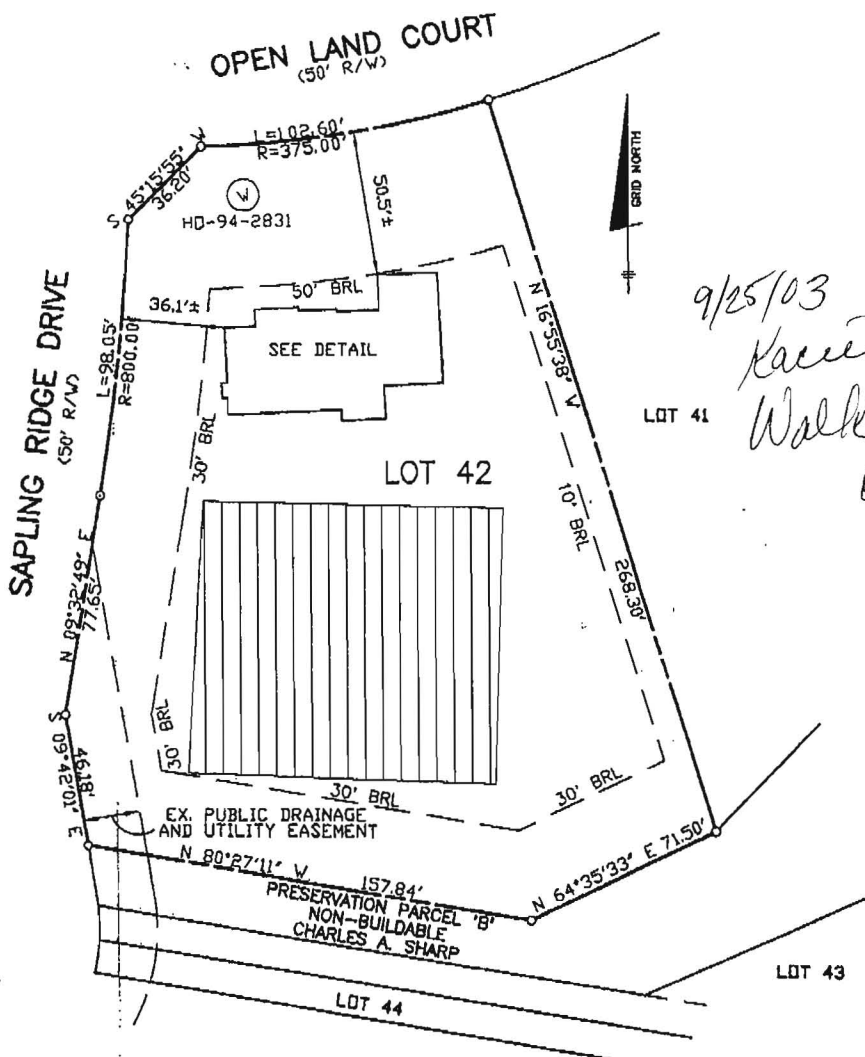
SEPTIC TANK DATA		
SEPTIC TANK 1 LEVEL <input checked="" type="checkbox"/>		
Comp	CAPACITY	<u>1500</u> GAL
	SEAM LOC	<u>TOP</u>
	TANK LID DEPTH	<u>1'</u>
	BAFFLES	<input checked="" type="checkbox"/>
	BAFFLE FILTER	<input type="checkbox"/>
	MANHOLE LOC	<u>F&B</u>
	6" PORT LOC	<input type="checkbox"/>
	WATERTIGHT TEST	<input type="checkbox"/>
SEPTIC TANK 2 LEVEL <input type="checkbox"/>		
	CAPACITY	<input type="checkbox"/> GAL
	SEAM LOC	<input type="checkbox"/>
	TANK LID DEPTH	<input type="checkbox"/>
	BAFFLES	<u>N/A</u>
	BAFFLE FILTER	<input type="checkbox"/>
	MANHOLE LOC	<input type="checkbox"/>
	6" PORT LOC	<input type="checkbox"/>
	WATERTIGHT TEST	<input type="checkbox"/>

PRE-CONSTRUCTION 10/20/03 Not Ready (SO) 11/3/03 - S&A staked, contours accurate. Install per B.P. (SO)

INSTALLATION 11/5/03 - OK to cover all work (EO)

BUILDING PERMIT SIGNED
AND RETURNED

FINAL INSPECTOR [Signature] DATE OF APPROVAL 11/5/03



9/25/03
Kacie Noonan
Walk Check
OK

TOP OF FOUNDATION WALL ELEVATION = 476.1'
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 0.1'

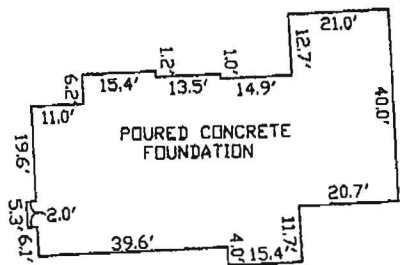
SURVEYOR'S CERTIFICATE

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 09/02/03; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY R.M. MOCHI GROUP, P.C. INC. ENTITLED "HIGH FOREST ESTATES LOTS 1 THROUGH 50" AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No. 13982

David M. Harris
DAVID M. HARRIS
REGISTERED PROFESSIONAL LAND SURVEYOR
MD REG. No. 10978
FOR BENCHMARK ENGINEERING, INC.
MC REG. No. 351
RECORD PLAT No. 13982
FEVA FIRM No. 240044 0025 B
ZCNE: C
DATED: 12/04/86

BENCHMARK ENGINEERING, INC.

8400 BILKINGE INDUSTRIAL PARK & SUITE 410
ELLSWORTH CITY, MARYLAND 21043
PHONE: 410-483-6103 FAX: 410-483-0844
WWW: BenchmarkPE.com



FOUNDATION DETAIL

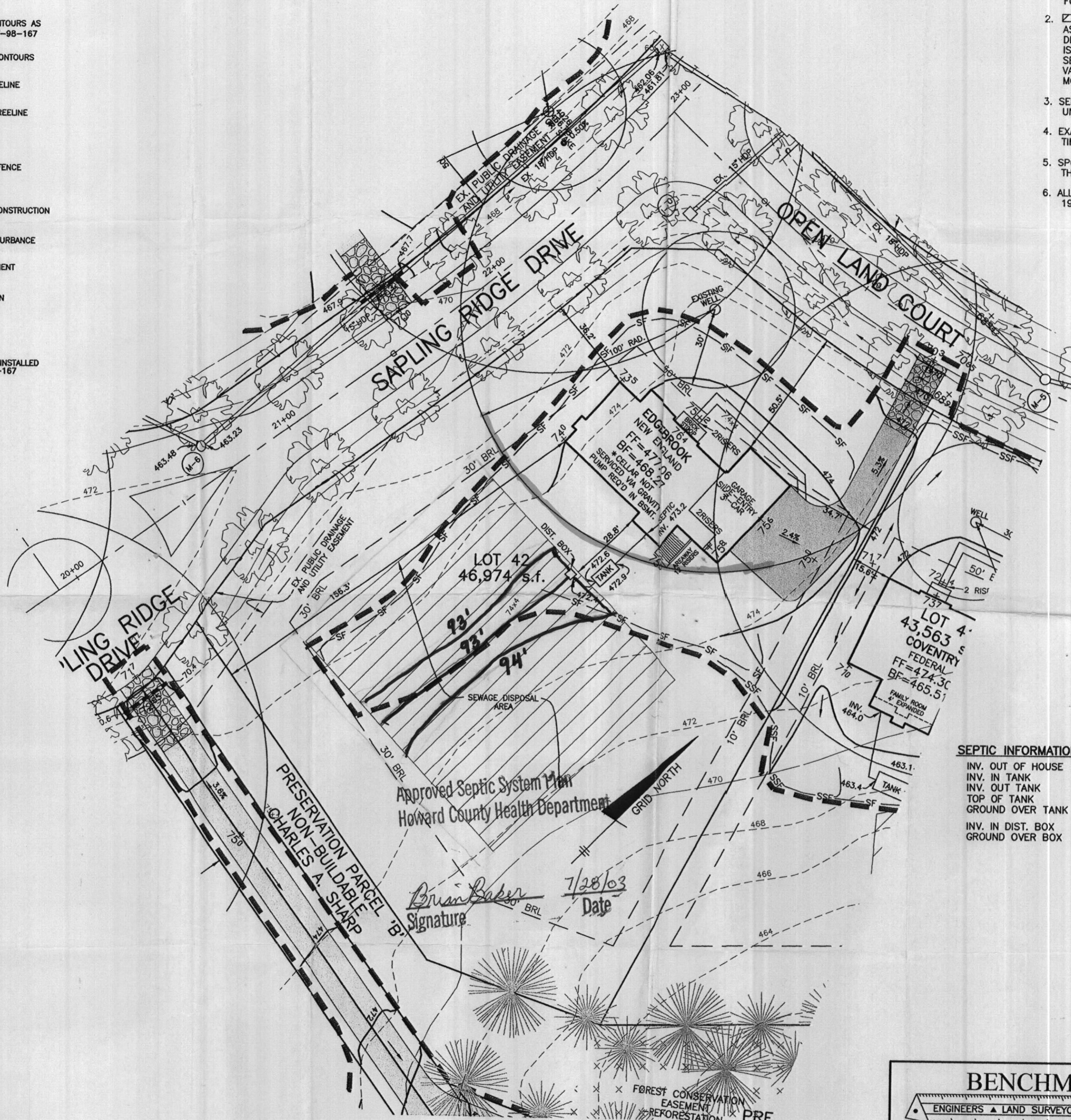
SCALE: 1" = 30'

**WALL CHECK
HIGH FOREST ESTATES
LOTS 1 THROUGH 50
LOT No. 42**

15200 OPEN LAND COURT
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 50' DATE: 09/02/03

LEGEND

- EXISTING CONTOURS AS SHOWN ON F-98-167
- PROPOSED CONTOURS
- EXISTING TREELINE
- PROPOSED TREELINE
- SILT FENCE
- SUPER SILT FENCE
- EARTH DIKE
- STABILIZED CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE
- SEPTIC EASEMENT
- WELL LOCATION
- STREET TREE INSTALLED UNDER F-98-167



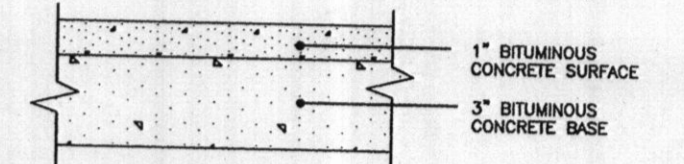
Approved Septic System Plan
Howard County Health Department

Brian Baker
Signature
7/28/03
Date

PLAN
SCALE: 1" = 30'

NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON PLAT NUMBER 13962. REFER TO THIS PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
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 VARIANCES FOR ENCROACHMENT INTO 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-01-176.
4. EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PRECONSTRUCTION INSPECTION.
5. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
6. ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

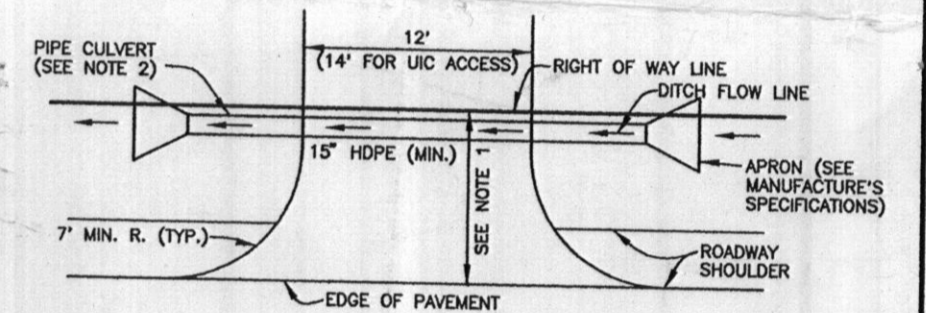


FULL DEPTH BIT. CONC. ALTERNATIVE

P-1 PAVING DETAIL
NOT TO SCALE

DRIVEWAY CULVERT NOTES:

1. DRIVEWAY MUST BE PAVED FROM EDGE OF PUBLIC ROAD TO RIGHT-OF-WAY USING STANDARD PAVING SECTION P-1 AS SHOWN ON HO.CO.STD. R-2.01 OR AN ALTERNATE SECTION EQUAL TO OR BETTER THAN P-1, AS APPROVED BY D.P.W.
2. DRAINAGE CULVERT SHALL BE SIZED FOR A 10 YEAR FREQUENCY STORM.
3. ALL DRIVEWAY CULVERT PIPES ARE TO BE 15" HDPE OR GREATER TO PREVENT BLOCKING. HDPE APRONS ARE TO BE INSTALLED AT EACH END OF THE CULVERT AND SIZED PER MANUFACTURER'S SPECIFICATIONS. IF A LARGER PIPE IS REQUIRED THE DITCH INVERT CAN BE LOWERED TO PROVIDE A MINIMUM DITCH GRADIENT OF 0.5% AND THE CLEARANCE SHOWN.
4. SWALE FLOW MAY BE PROVIDED OVER DRIVEWAY IF LOCATED AT OR NEAR THE CREST OF A VERTICAL CURVE ON THE PUBLIC ROAD WHERE QUANTITY OF FLOW IS SMALL AS APPROVED BY D.P.W.
5. TIE-IN GRADE OF DRIVEWAY SHALL NOT EXCEED 14%.
6. SEE HOWARD COUNTY STANDARD DETAIL R-6.06 FOR ADDITIONAL INFORMATION.



DRIVEWAY CULVERT
NOT TO SCALE

SEPTIC INFORMATION CHART

INV. OUT OF HOUSE	473.6
INV. IN TANK	472.9
INV. OUT TANK	472.6
TOP OF TANK	473.9
GROUND OVER TANK	475.2
INV. IN DIST. BOX	472.4
GROUND OVER BOX	474.4

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418
ELLICOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 FAX: 410-465-6644

BUILDER: TOLL BROTHERS, INC.
7164 COLUMBIA GATEWAY DRIVE
SUITE 230
COLUMBIA, MARYLAND
410-872-9105

PROJECT: **HIGH FOREST ESTATES
LOT 42**

LOCATION: 15200 OPEN LAND COURT
TAX MAP 27, GRID 6 - PARCEL 140,141,142
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: **PLOT PLAN**

HOUSE TYPE: **EDGEBROOK**

DATE: JUNE 25, 2003 PROJECT NO. 1362

SCALE: AS SHOWN DRAWING 1 OF 1