

LAYOUT 7/17/03 11 INSP 4 _____
 INSP 2 7/21/03 3PM INSP 5 _____
 INSP 3 10/7/03 Pump 12 Test INSP 6 _____

ISSUE DATE: 7/10/2003

P 519046

APPROVAL DATE: 10/7/03

A 50857-G

PERMIT
INDEXED

ON-SITE SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MD 21043

Fogles Septic Clean, Inc IS PERMITTED TO INSTALL ALTER

ADDRESS: 580 Obrecht Rd, Sykesville PHONE NUMBER: 410-795-5670

SUBDIVISION: High Forest Estates LOT NUMBER: 34

ADDRESS: 15205 Open Land Court PROPERTY OWNER: Big Branch Overlook, LLC

SEPTIC TANK CAPACITY (GALLONS): 1250-1500 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): 1250/500 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: 240 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 2.5 feet below original grade. Bottom maximum depth 4.5 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place distribution box per plan or 5 feet inside SDA. Run three trenches on contour, 60', 90', and 100' respectively.
NOTES:	Gravity basement service is not proposed.

PLANS APPROVED: KN OK/MR DATE: 2/27/03

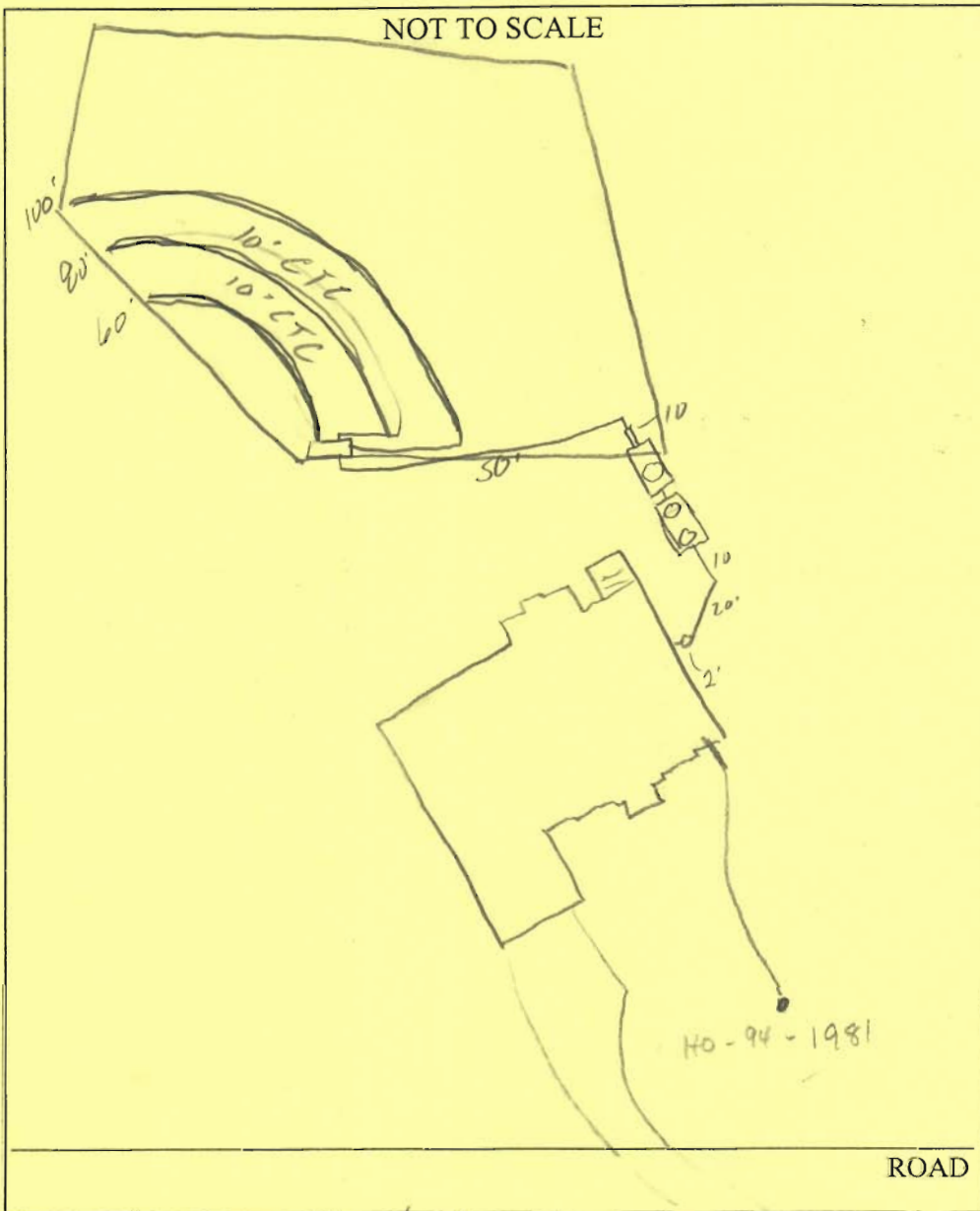
NOTES: PERMIT VOID AFTER 2 YEARS
 CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
 WATERTIGHT SEPTIC TANKS REQUIRED
 ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED
 MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS 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 CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM DO NOT LEAVE ANY REQUEST FOR INSPECTION ON VOICEMAIL

BUILDING PERMIT SIGNED AND RETURNED

10/17/05-800156615-16x24 Deck

A50857-G



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	2.5'	4.5'
NUMBER OF TRENCHES		3
TOTAL LENGTH		240'
ABSORPTION AREA		720 sq
DISTRIBUTION BOX LEVEL		✓
DISTRIBUTION BOX BAFFLE		✓
DISTRIBUTION BOX PORT		✓

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	✓
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	2.5-3'
BAFFLES	✓
BAFFLE FILTER	✓
MANHOLE LOC	F&B
6" PORT LOC	—
WATERTIGHT TEST	✓
SEPTIC TANK 2 LEVEL	✓
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	2.5-3'
BAFFLES	✓
BAFFLE FILTER	—
MANHOLE LOC	Back
6" PORT LOC	—
WATERTIGHT TEST	—


PRE-CONSTRUCTION 7/17/03 SRA staked, contour not accurate. Install 60'x30'x100' trenches w/ D.B. directly behind the house (SO)

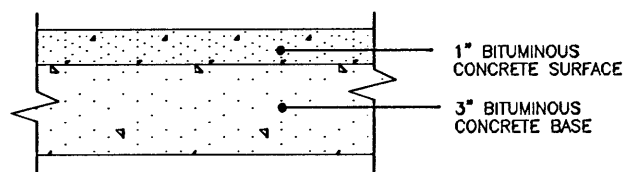
INSTALLATION 7/18/03 Tanks set, trenches installed OK to cover work complete (SO) 7/21/03 OK to cover all work. Pump & Alarm tests needed (SO)

10/7/03 Pump & Alarm tests OK (SO)

FINAL INSPECTOR *[Signature]* DATE OF APPROVAL 10/7/03

NOTES:

1. THE LOT SHOWN HEREON WAS RECORDED ON PLAT NUMBER 13962, REFER TO THE 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 AND MODIFIED FOR THIS SPECIFIC HOUSE.
4. EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PERMIT ISSUANCE.
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.



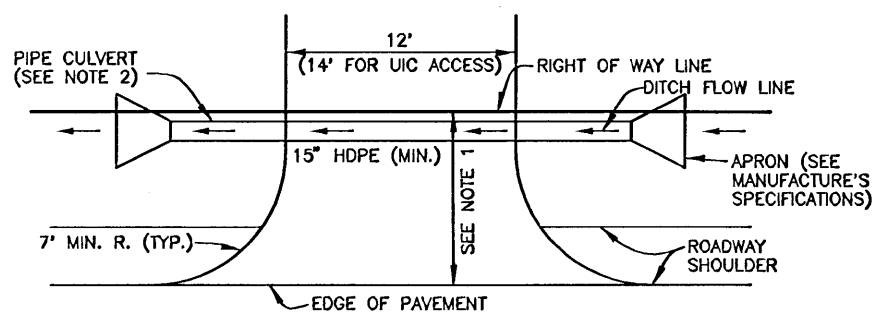
FULL DEPTH BIT. CONC. ALTERNATIVE

P-1 PAVING DETAIL

NOT TO SCALE

DRIVEWAY CULVERT NOTES:









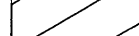



1. DRIVEWAY MUST BE PAVED FROM EDGE OF PUBLIC ROAD TO RIGHT-OF-WAY USING STANDARD PAVING SECTION P-1 AS SHOWN ON HO.CO.STD. R-2.01 OR AN ALTERNATE SECTION EQUAL TO OR BETTER THAN P-1, AS APPROVED BY D.P.W.
2. DRAINAGE CULVERT SHALL BE SIZED FOR A 10 YEAR FREQUENCY STORM.
3. ALL DRIVEWAY CULVERT PIPES ARE TO BE 15" HDPE OR GREATER TO PREVENT BLOCKING. HOOD 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-6.08 FOR ADDITIONAL INFORMATION.

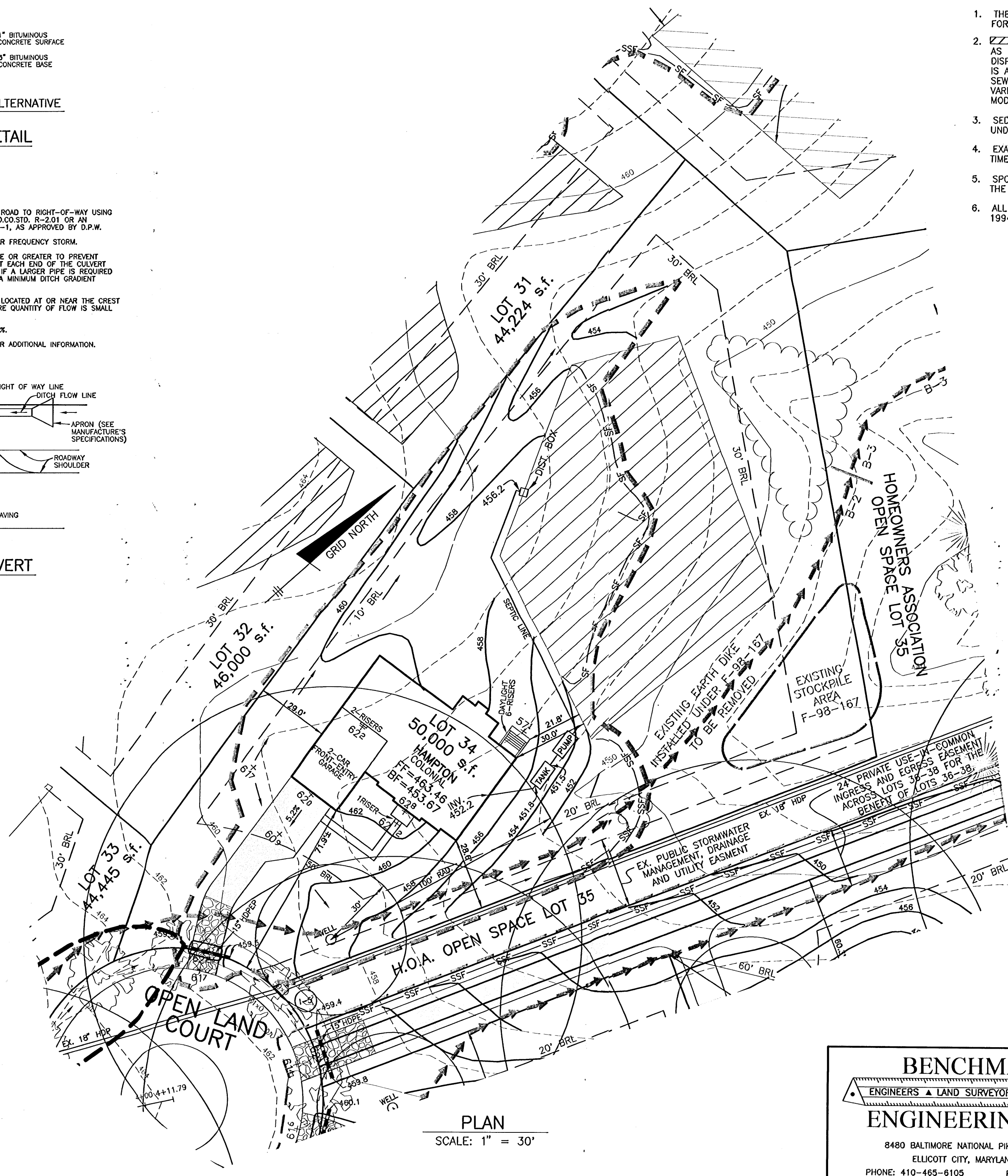


DRIVEWAY CULVERT

NOT TO SCALE

LEGEND

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



SEPTIC INFORMATION CHART

INV. OUT OF HOUSE	452.2
INV. IN TANK	451.8
INV. OUT TANK	451.5
TOP OF TANK	452.8
GROUND OVER TANK	455.0
INV. IN PUMP	451.4
GROUND OVER PUMP	454.5
INV. IN DIST. BOX	456.2
GROUND OVER BOX	458.7

PLAN

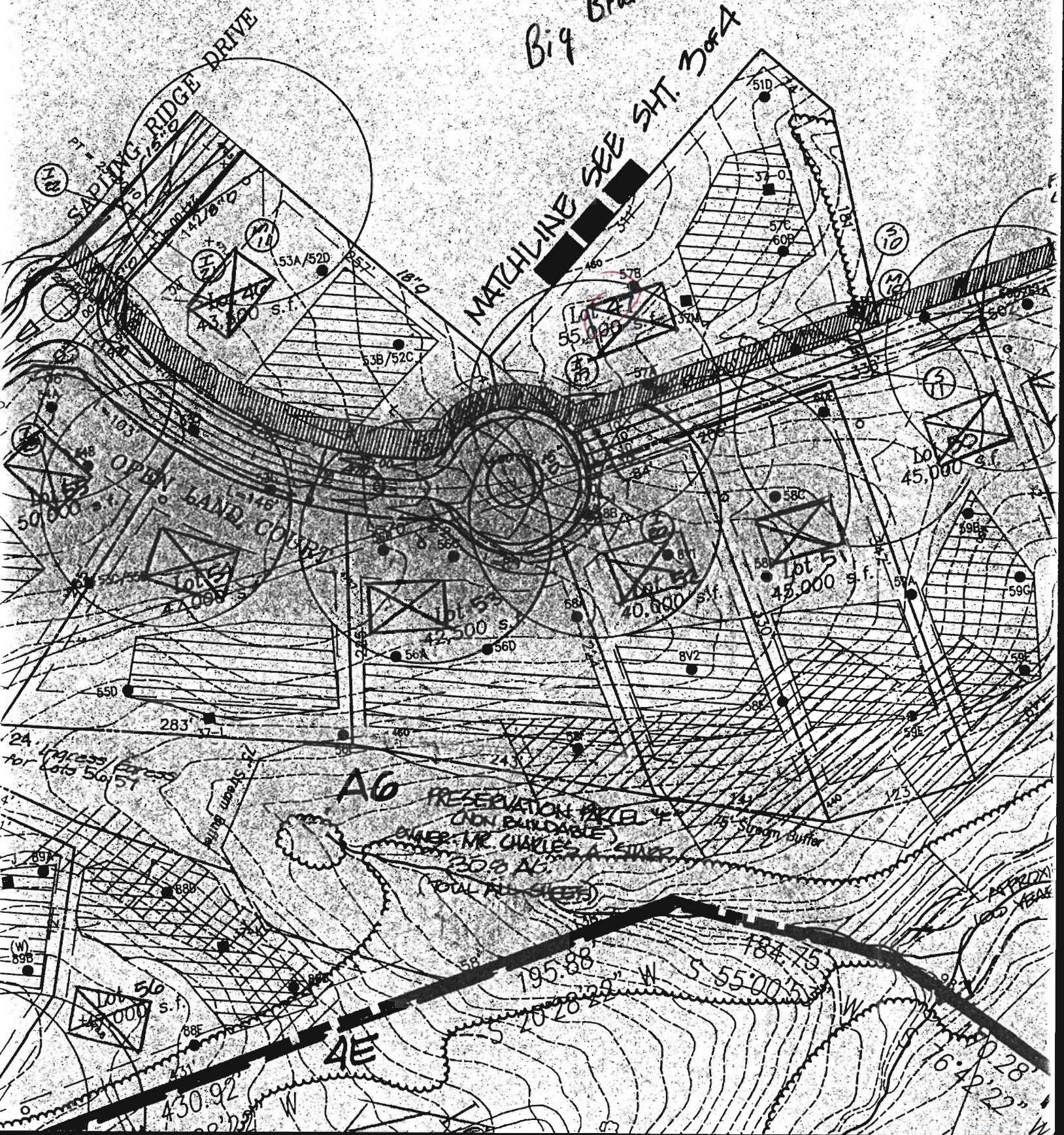
SCALE: 1" = 30'

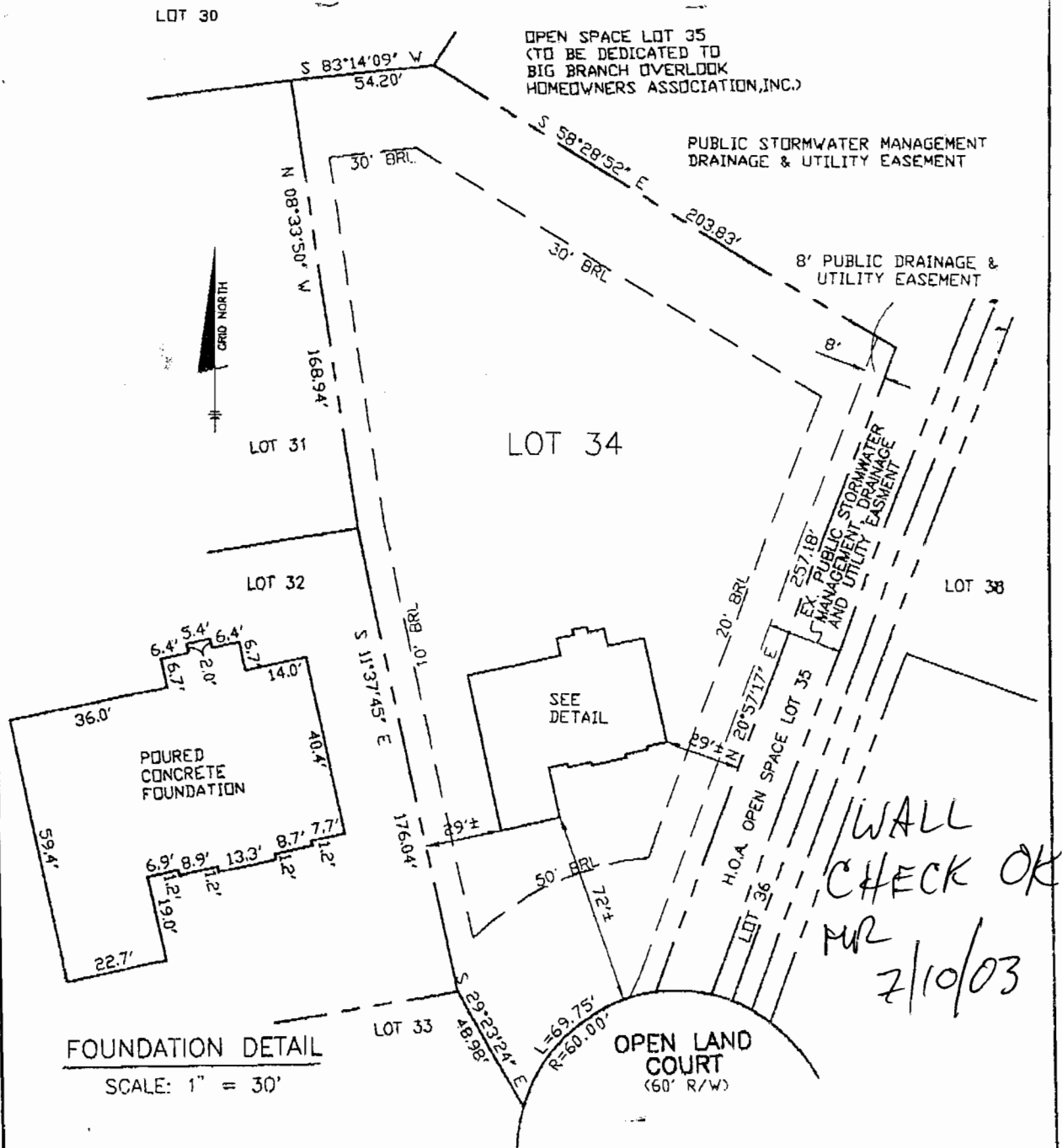
<p align="center">BENCHMARK ENGINEERS • LAND SURVEYORS • PLANNERS</p> <p align="center">ENGINEERING, INC.</p> <p align="center">8480 BALTIMORE NATIONAL PIKE • SUITE 418 ELLCOTT CITY, MARYLAND 21043 PHONE: 410-465-6105 FAX: 410-465-6644</p>	PROJECT: HIGH FOREST ESTATES LOT 34	
	LOCATION: 15205 OPEN LAND COURT TAX MAP 27, GRID 6 - PARCEL 140,141,142 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
<p>BUILDER: TOLL BROTHERS, INC. 7164 COLUMBIA GATEWAY DRIVE SUITE 230 COLUMBIA, MARYLAND 21046 410-872-9105</p>	TITLE: PLOT PLAN	
	HOUSE TYPE: HAMPTON	
DATE: FEBRUARY 27, 2003	PROJECT NO. 1362	
SCALE: AS SHOWN	DRAWING 1 OF 1	

2-27-03 Septic Specs OK.

STW & O PRGM

Big Branch Overlook - Phase I
P-98-14 Pg. 4





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 04/17/03; 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.13962

TOP OF FOUNDATION WALL ELEVATION = 462.5'
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 1'

David M. Harris
DAVID M. HARRIS
REGISTERED PROFESSIONAL LAND SURVEYOR
MC REG. No. 10978
FOR BENCHMARK ENGINEERING, INC.
MC REG. No. 351
RECORD PLAT No. 13962
FEMA FIRM No. 240044 0025 B
ZONE: C
DATED: 12/04/86

BENCHMARK

ENGINEERS & LAND SURVEYORS & PLANNERS



WALL CHECK
HIGH FOREST ESTATES
LOTS 1 THROUGH 50
LOT No. 34

15205 SAPLING RIDGE DRIVE

1"=60'