

LAYOUT 6/2/03 12:30 INSP 4 _____
 INSP 2 6/3/03 3PM INSP 5 _____
 INSP 3 6/6/03 3:30 INSP 6 _____

ISSUE DATE: 5/16/2003
 APPROVAL DATE: 6/6/03

PERMIT INDEXED

P 518972
 A 50857-O

**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 Road, Sykesville PHONE NUMBER: 410-795-5670
 SUBDIVISION: High Forest Estates LOT NUMBER: 45
 ADDRESS: 15150 Sapling Ridge Drive PROPERTY OWNER: Big Branch Overlook, LLC.
 SEPTIC TANK CAPACITY (GALLONS): 1500 ← OUTLET BAFFLE FILTER REQUIRED
 PUMP CHAMBER CAPACITY (GALLONS): 600 ← COMPARTMENTED TANK REQUIRED
 NUMBER OF BEDROOMS: 4
 SQUARE FEET PER BEDROOM: 180
 LINEAR FEET OF TRENCH REQUIRED: 240 HOUSE SERVED BY PUBLIC WATER

**BUILDING PERMIT SIGNED
 AND RETURNED**
 63-04 B00148661-DECK

TRENCHES:	Trench to be 3.0 feet wide. Inlet 2.0 feet below original grade. Bottom maximum depth 4.0 feet below original grade. Effective area begins at 2.5 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box approx. 115' off the right lot line (facing the lot from the road) and 90' from the rear lot line. Trenches to be determined during layout to ensure efficient use of SDA. Be sure not to run trenches into the radius zone of well.
NOTES:	Basement gravity service NOT proposed. Ensure distribution box no deeper than 2 feet below surface.

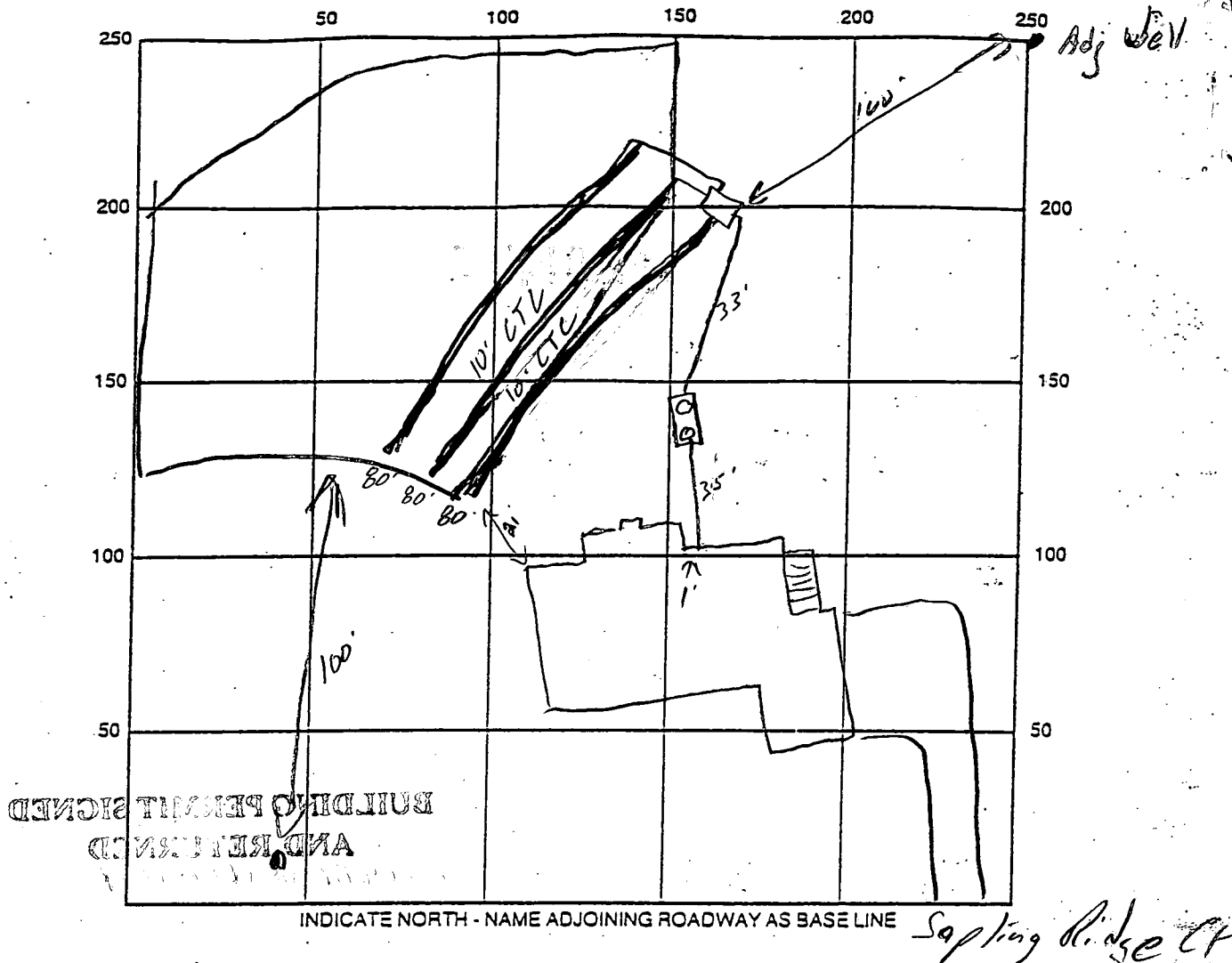
PLANS APPROVED: KN DATE: 2/7/03

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**

2nd System should have D.B in center w/ (4) 60's

A50857-0



SEPTIC TANK LEVEL yes CLEANOUTS _____

DISTRIBUTION BOX LEVEL yes

DRAIN FIELD/TITLE DEPTH 4 FT. TRENCH WIDTH 3 FT. INLET DEPTH 2 FT.

EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 240' FT. Manholes F&R - 1' Deep

NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA _____ SQ. FT.

DRYWALL INSIDE DIAMETER N/A FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 720 SQ. FT.

REMARKS: 6/2/03 SRA Staked, Move D.B. 10' outside of upper SRA. Ends of (3) 80' trenches right at well radius. This should put all three trenches on fairly level ground (S)

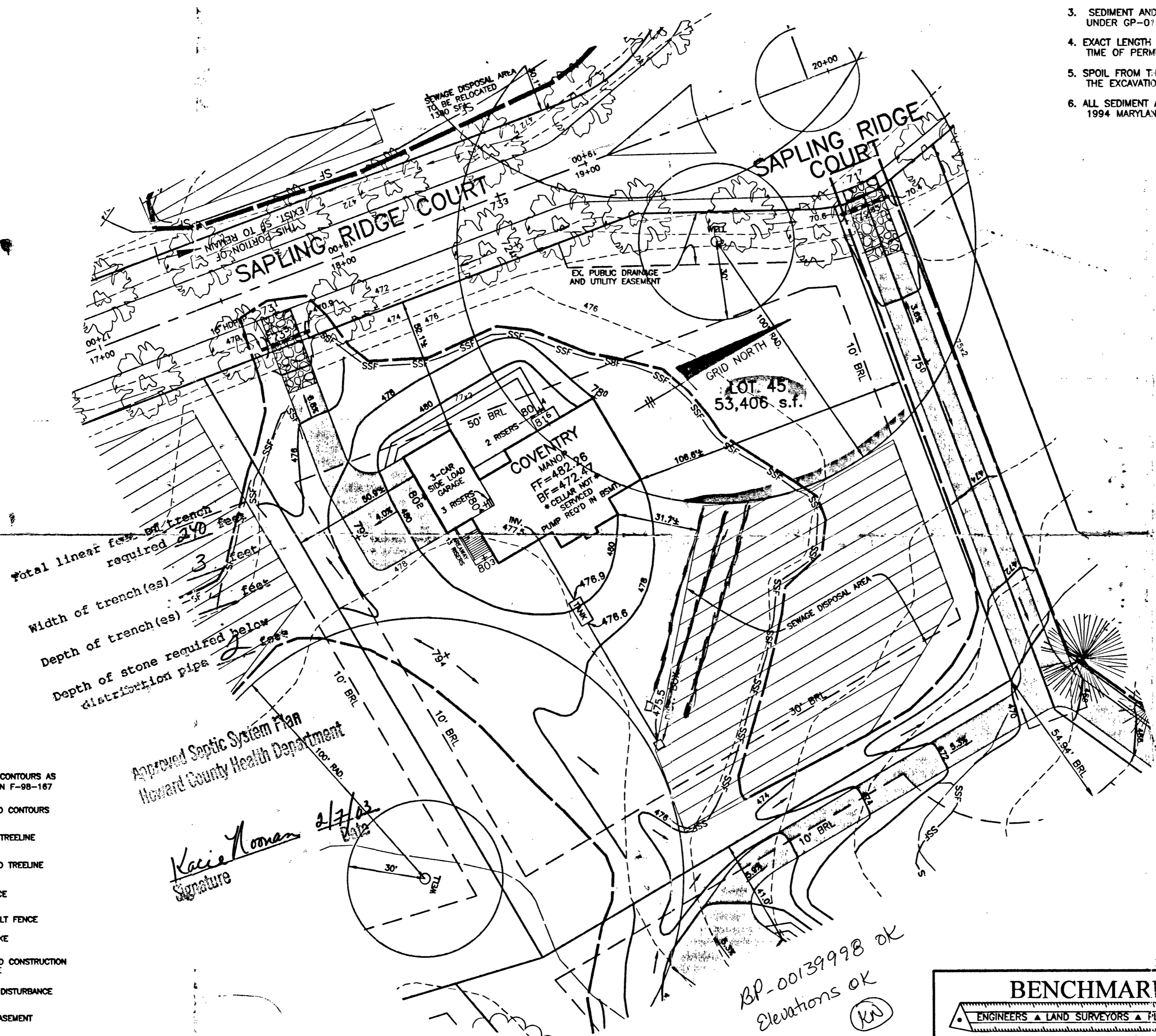
6/3/03 Tank set (S)

6/6/03-DK to cover all work (S)

DATE SYSTEM APPROVED [Signature] INSPECTOR 6/6/03

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. [Hatched Area] 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 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.



Total linear feet of trench required 240 feet
 Width of trench(es) 3 feet
 Depth of trench(es) 3 feet
 Depth of stone required below distribution pipe 2 feet

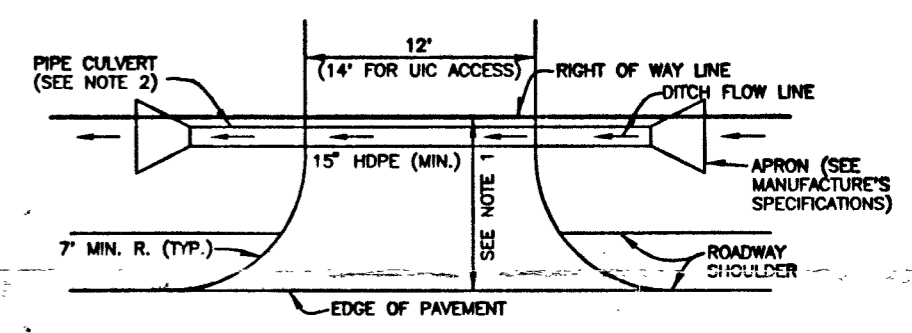
Approved Septic System Plan
 Howard County Health Department

Kacie Norman
 Signature
 2/7/03

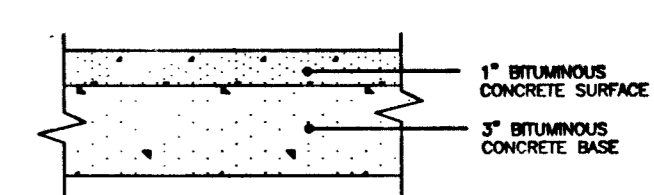
BP-00139998 OK
 Elevations OK (KN)

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' HOPE OR GREATER TO PREVENT BLOCKING. HOPE 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-8.06 FOR ADDITIONAL INFORMATION.



DRIVEWAY CULVERT
 NOT TO SCALE



FULL DEPTH BIT. CONC. ALTERNATIVE

P-1 PAVING DETAIL
 NOT TO SCALE

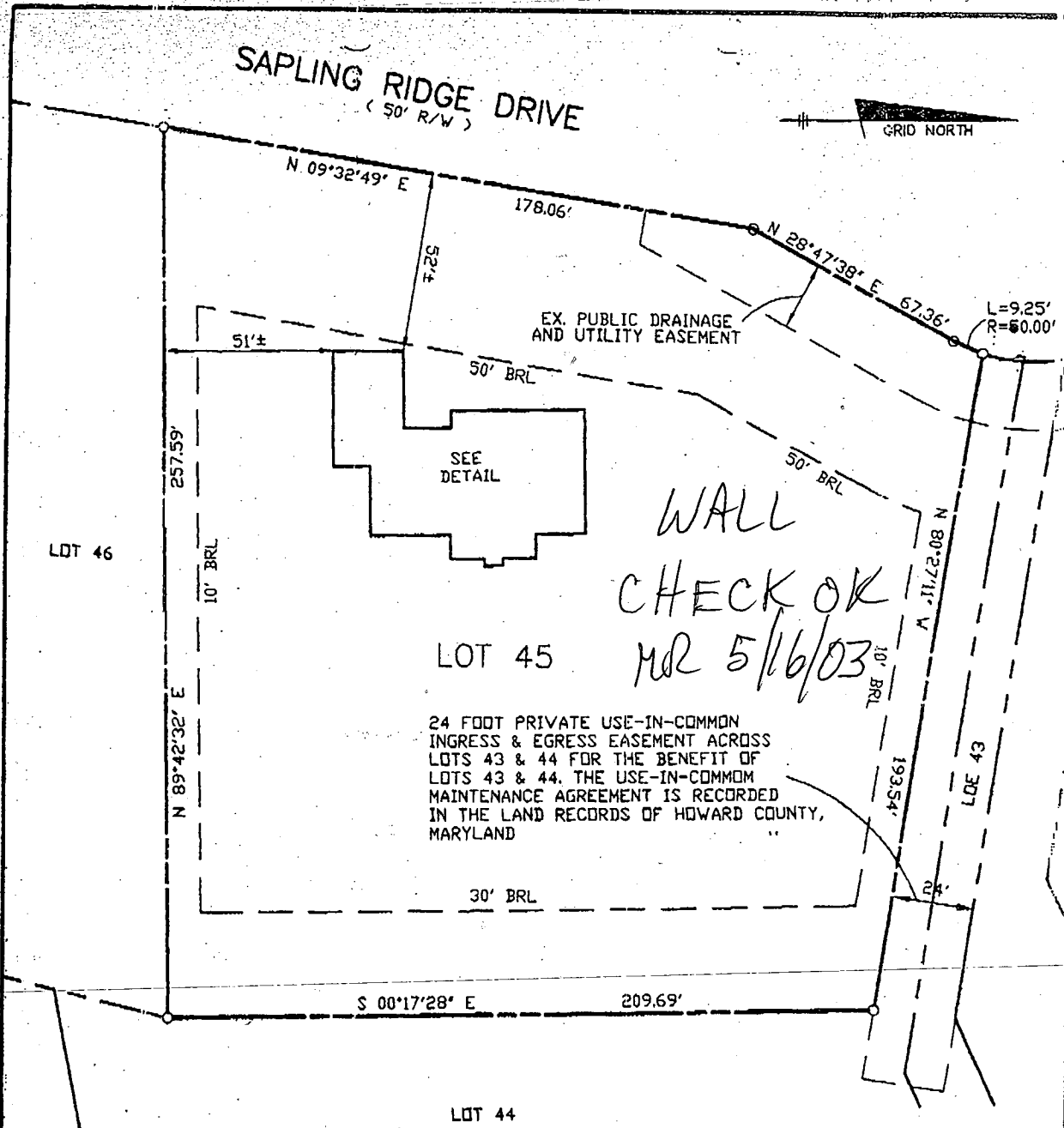
LEGEND

- 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

PLAN
 SCALE: 1" = 30'

BENCHMARK ENGINEERING, INC. ENGINEERS • LAND SURVEYORS • PLANNERS 8480 BALTIMORE NATIONAL PIKE • SUITE 418 ELLICOTT CITY, MARYLAND 21043 PHONE: 410-485-6105 FAX: 410-485-6644		PROJECT: HIGH FOREST ESTATES LOT 45	
		LOCATION: 15150 SAPLING RIDGE DRIVE TAX MAP 27, GRID 6 - PARCEL 140,141,142 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
BUILDER: TOLL BROTHERS, INC. 7164 COLUMBIA GATEWAY DRIVE SUITE 230 COLUMBIA, MARYLAND 21046 410-872-9105		TITLE: PLOT PLAN	
HOUSE TYPE: COVENTRY		DATE: FEBRUARY 5, 2003	PROJECT NO. 1362
SCALE: AS SHOWN		DRAWING 1 OF 1	

SAPLING RIDGE DRIVE
(50' R/W)



24 FOOT PRIVATE USE-IN-COMMON
INGRESS & EGRESS EASEMENT ACROSS
LOTS 43 & 44 FOR THE BENEFIT OF
LOTS 43 & 44. THE USE-IN-COMMON
MAINTENANCE AGREEMENT IS RECORDED
IN THE LAND RECORDS OF HOWARD COUNTY,
MARYLAND

WALL
CHECK OK
MR 5/16/03

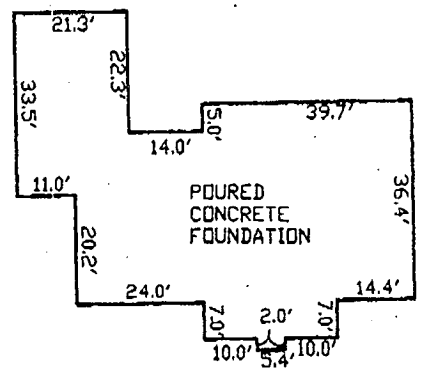
FIRST FLOOR ELEVATION = 482.6'
OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 1'

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 04/02/03; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY R.M.MOCHI GRC JP, P.C. INC. ENTITLED "HIGH FOREST ESTATES LOTS 1 THROUGH 50", AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No. 13962

David M. Harris

DAVID M. HARRIS
REGISTERED PROFESSIONAL LAND SURVEYOR
MD REG. No. 10978
FOR BENCHMARK ENGINEERING, INC.
MD REG. No. 351
RECORD PLAT No. 13962
FEMA FIRM No. 240044 0025 B
ZONE: C



FOUNDATION DETAIL

SCALE: 1" = 30'

WALL CHECK
HIGH FOREST ESTATES
LOTS 1 THRU 50

P. 98.14

MATCHLINE SEE SHEET 3 OF 4

