

LAYOUT _____ INSP 4 _____
INSP 2 12/4/03 1pm INSP 5 _____
INSP 3 _____ INSP 6 _____

ISSUE DATE: 11/20/03

APPROVAL DATE: 1/20/04

**PERMIT
INDEXED**

P 519652

A 50857-P

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

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: 46

ADDRESS: 15146 Sapling Ridg Drive PROPERTY OWNER: Big Branch Overlook, LLC

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

PUMP CHAMBER CAPACITY (GALLONS): 1500 COMPARTMENTED TANK REQUIRED ☒
WITH MANHOLE ACCESS

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 4.0 feet below original grade. Bottom maximum depth 6.0 feet below original grade. Effective area begins at 4.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box as shown on the approved plan.
NOTES:	Install 6-40' long trenches on contour as shown on the approved plan, with 9' edge to edge trench separation. <u>Please call John Boris after layout inspection to perform perc test at time of installation.</u>

PLANS APPROVED: John A. Boris OK SRK 11/20/03 DATE: 6/30/2003

NOTES: PERMIT VOID AFTER 2 YEARS

CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

WATERTIGHT SEPTIC TANKS REQUIRED

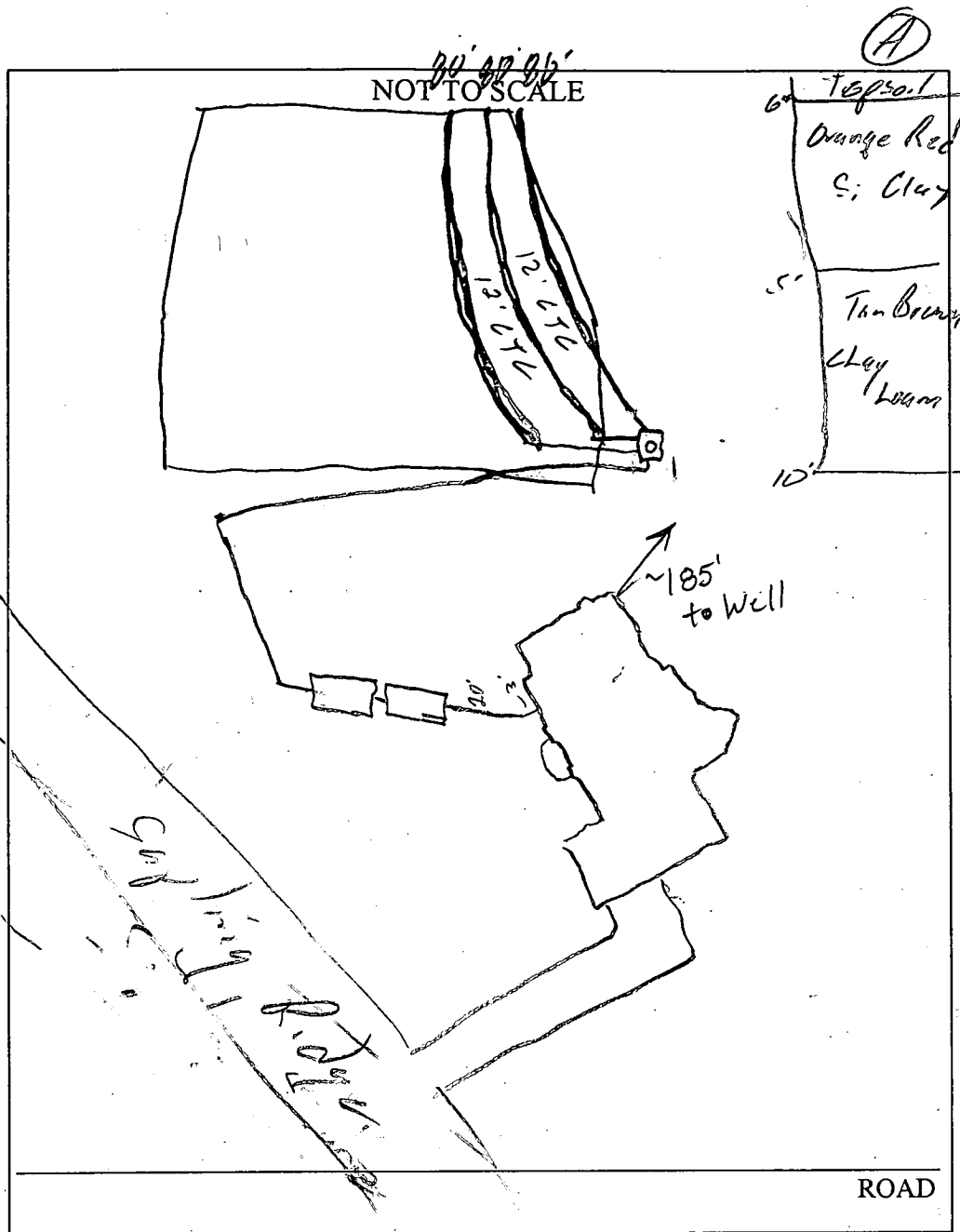
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED

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
ALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM**

A 50857-P



(A) 140-94-1996

TRENCH/DRAINFIELD DATA

WIDTH	INLET	BOTTOM
_____	_____	_____
NUMBER OF TRENCHES _____		
TOTAL LENGTH _____		
ABSORPTION AREA _____		
DISTRIBUTION BOX LEVEL _____		
DISTRIBUTION BOX BAFFLE _____		
DISTRIBUTION BOX PORT _____		

SEPTIC TANK DATA

SEPTIC TANK 1 LEVEL ☒

Comp CAPACITY 1500 GAL

SEAM LOC Top

TANK LID DEPTH 1-2'

BAFFLES ☒

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST ☒

SEPTIC TANK 2 LEVEL ☒

CAPACITY 1500 GAL

SEAM LOC Top

TANK LID DEPTH 1-2'

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST ☒

PRE-CONSTRUCTION 11/21/03 SRA stake, swale cut in far side of SRA, some soil. (10' wide x 6" deep cut from SRA closest to house.

INSTALLATION Install (3) 80' trench across the middle of SRA to avoid the two above areas. House conn 3' under footer, tanks will be too deep, need load bearing lids. Dug pore hole, see profile (SO)

12/4/03 - Tanks set, trenches installed (SO) 1/14/04

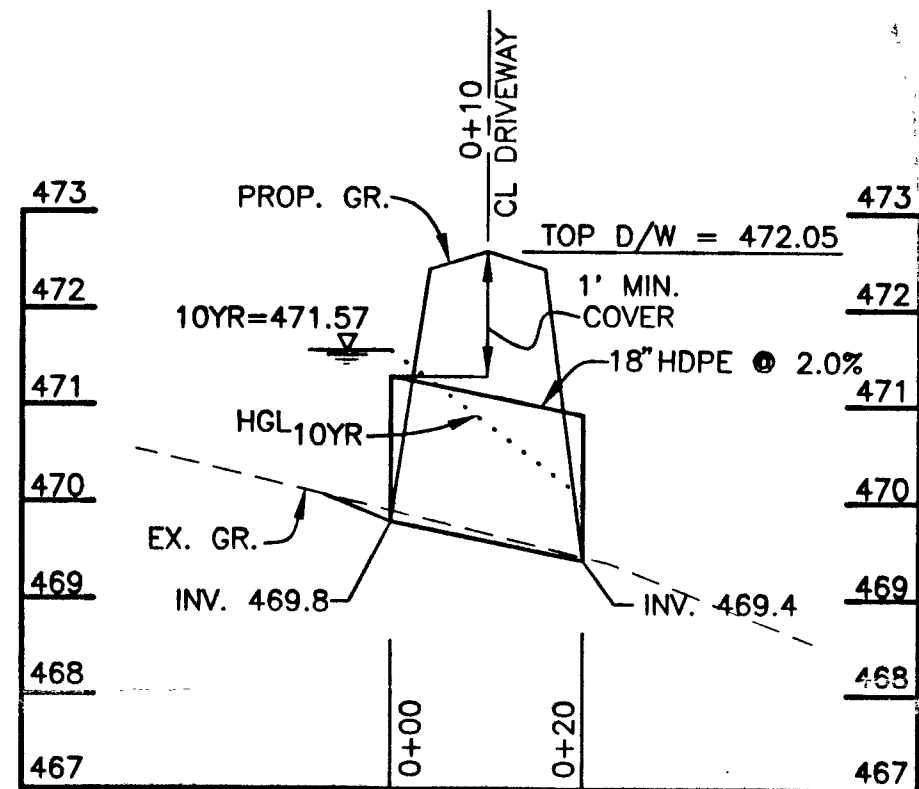
Pump + Alarm ok - problem w/ socket. at alarm box. (SO/KR)

1/20/04 - Elec socket fixed (SO)

FINAL INSPECTOR

DATE OF APPROVAL

1/20/04

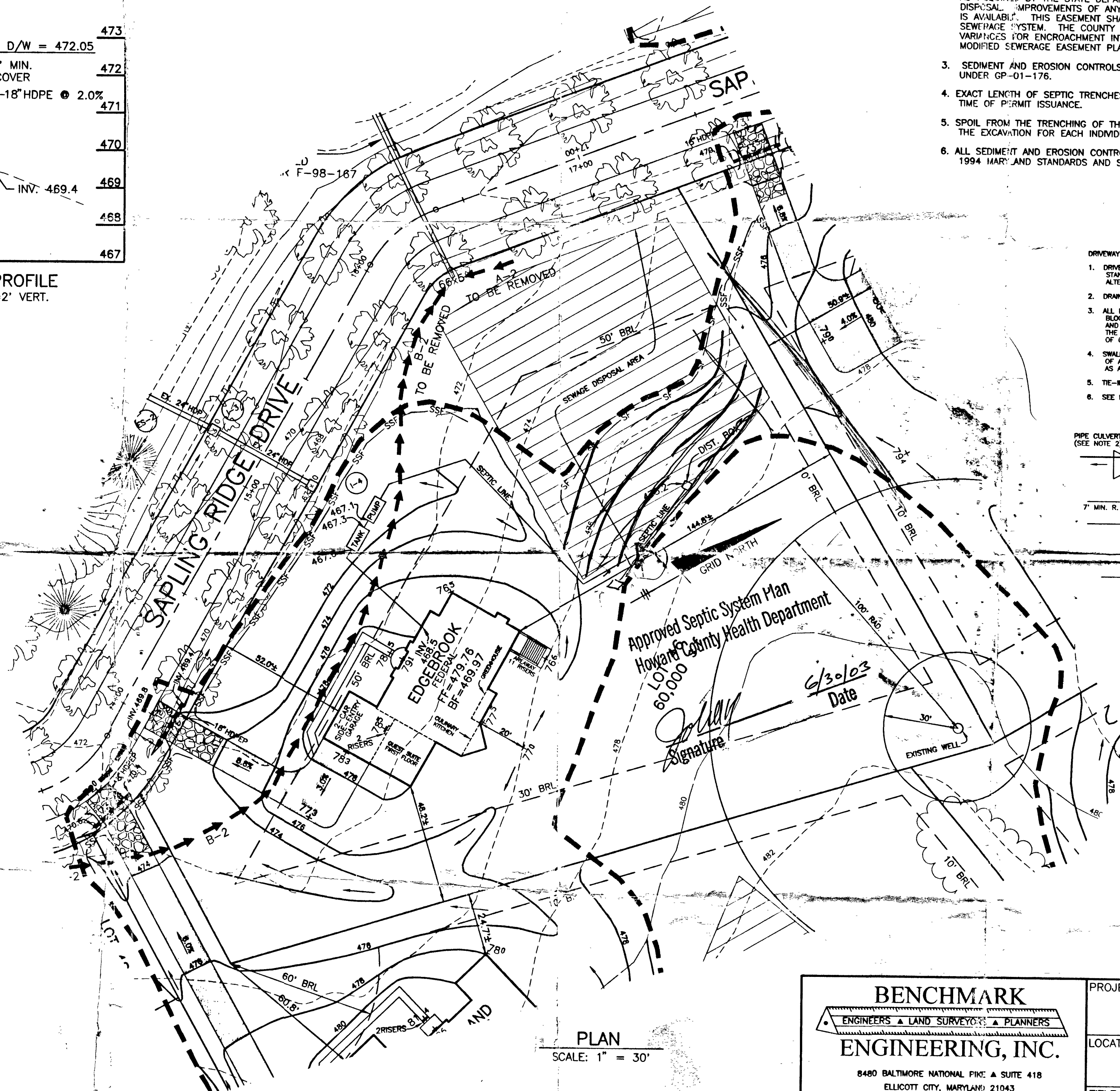
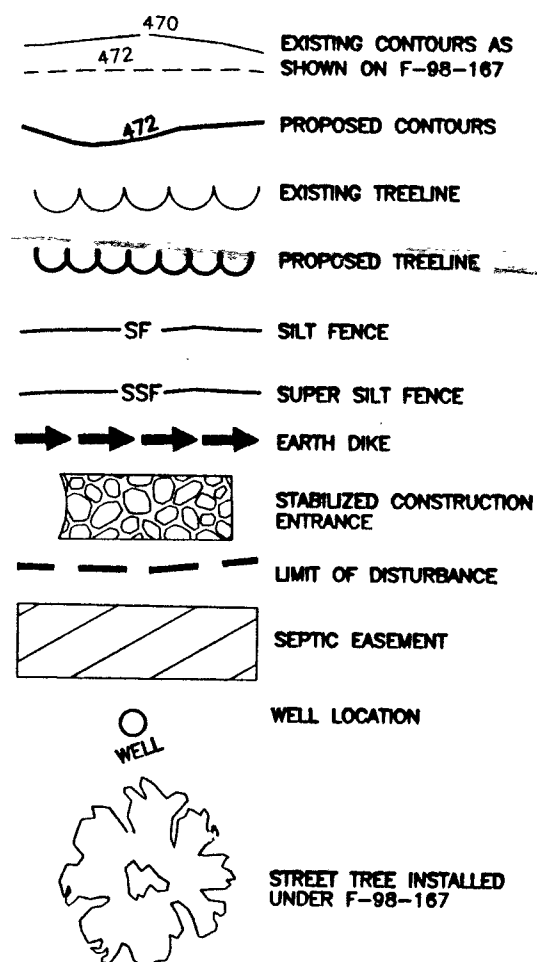


LOT 46 CULVERT PROFILE
SCALE: 1"=20' HOR., 1"=2' VERT.

SEPTIC INFORMATION CHART

INV. OUT OF HOUSE	468.5
INV. IN TANK	467.6
INV. OUT TANK	467.3
TOP OF TANK	468.6
GROUND OVER TANK	471.0
INV. IN PUMP	467.1
GROUND OVER PUMP	471.0
INV. IN DIST. BOX	475.2
GROUND OVER BOX	477.2

LEGEND



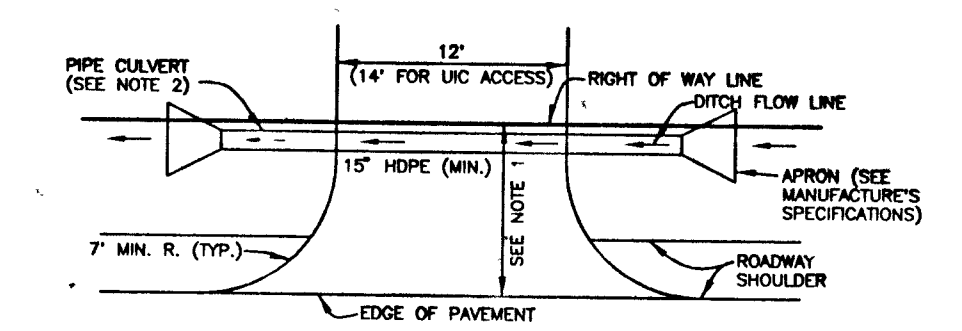
PLAN
SCALE: 1" = 30'

NOTES:

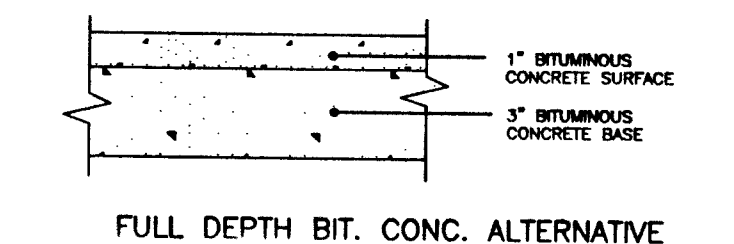
1. THE LOT SHOWN HEREON WAS RECORDED ON PLAT NUMBER 13959; REFER TO THIS PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE 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 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.

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 MD.CO.STD. R-201 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-8.06 FOR ADDITIONAL INFORMATION.

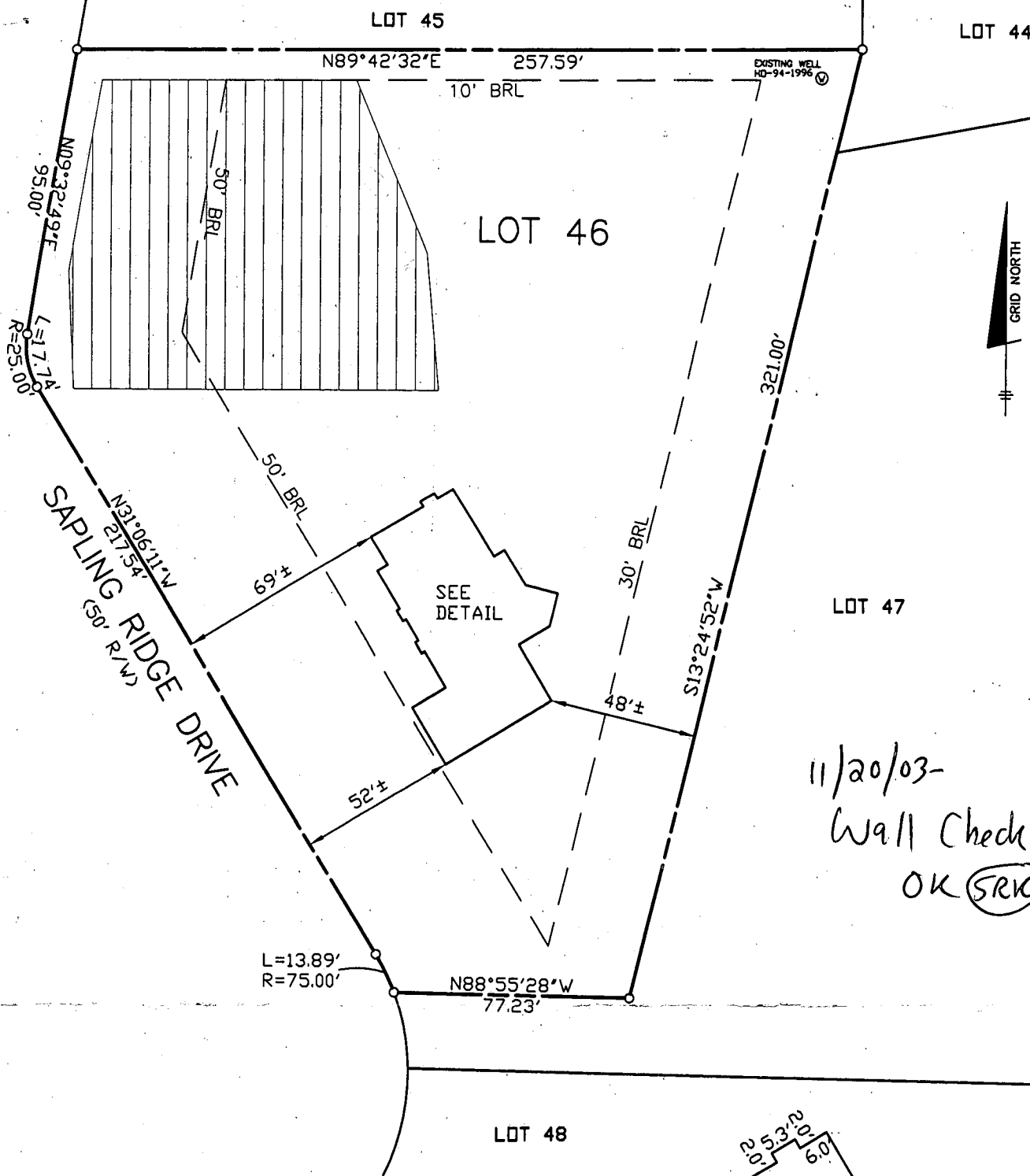


DRIVEWAY CULVERT
NOT TO SCALE



FULL DEPTH BIT. CONC. ALTERNATIVE
P-1 PAVING DETAIL
NOT TO SCALE

BENCHMARK ENGINEERS • LAND SURVEYORS • PLANNERS ENGINEERING, INC. 8480 BALTIMORE NATIONAL PIKE • SUITE 418 ELLICOTT CITY, MARYLAND 21043 PHONE: 410-485-8105 FAX: 410-485-8844		PROJECT: HIGH FOREST ESTATES LOT 46	
		LOCATION: 15146 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: JUNE 19, 2003 PROJECT NO. 1362	
SCALE: AS SHOWN		DRAWING 1 OF 1	



TOP OF FOUNDATION WALL ELEVATION = 479.1'
 OFFSET DIMENSIONS TO PROPERTY LINES ARE ± 1'

SURVEYOR'S CERTIFICATE

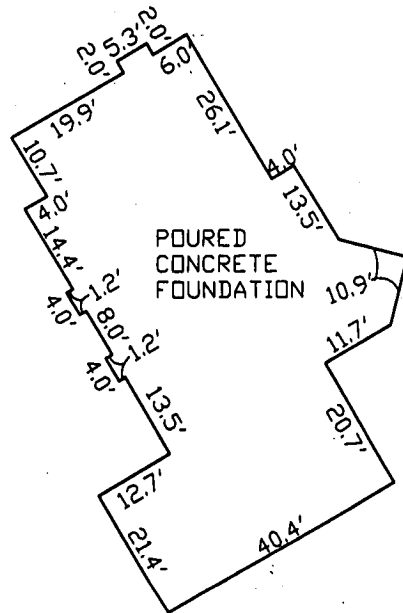
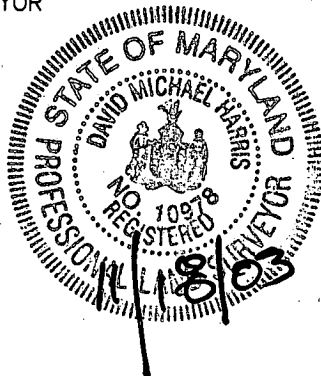
I HEREBY CERTIFY TO THE BEST OF MY PROFESSIONAL KNOWLEDGE, INFORMATION AND BELIEF, THAT THE DIMENSIONS OF THE BUILDING WALLS SHOWN HEREON ARE CORRECT; THAT THEY ARE BASED ON A FIELD RUN SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC. ON 08/05/03; AND THAT THE PROPERTY OUTLINE SHOWN HEREON IS BASED ON THE PLAT PREPARED BY R.M. MOCHI GROUP, P.C., INC. ENTITLED "HIGH FOREST ESTATES LOTS 1 THROUGH 50 BUILDABLE PRESERVATION PARCEL A NON-BUILDABLE PRESERVATION PARCEL B" AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY AS PLAT No. 13959

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. 13959
 FEMA FIRM No. 240044 0025 B
 ZONE: C
 DATED: 12/04/86

BENCHMARK
 ENGINEERS • LAND SURVEYORS • PLANNERS
ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE • SUITE 418
 ELLICOTT CITY, MARYLAND 21043
 phone: 410-465-8105 • fax: 410-465-8644
 email: Benchmark@cats.com



FOUNDATION DETAIL

SCALE: 1" = 30'

WALL CHECK

HIGH FOREST ESTATES
LOTS 1 THROUGH 50
 LOT No. 46

15146 SAPLING RIDGE DRIVE

5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE: 1" = 50' DATE: 11/17/03 REV.