

LAYOUT 8/14/2012 INSP 4 _____
INSP 2 8/14/2012 INSP 5 _____
INSP 3 8/15/2012 INSP 6 _____

ISSUE DATE: _____ **PERMIT - Repair** P 537364

APPROVAL DATE: 8/16/2012 A Repair

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

Fogle's Septic Clean Inc. IS PERMITTED TO INSTALL ALTER

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

SUBDIVISION: _____ LOT NUMBER: 46

ADDRESS: 15146 Sapling Ridge Drive PROPERTY OWNER: Paul Patel

SEPTIC TANK CAPACITY (GALLONS): _____ Ex. _____ OUTLET Baffle FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): _____ Ex. _____ COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4 APPLICATION RATE: 0.8

SQUARE FOOTAGE OF HOUSE: n/a

LINEAR FEET OF TRENCH REQUIRED: 165

**** A test of the, pump, alarm and unit itself is required. A Gate valve might need to be installed to adjust for change in head. System is designed for a maximum of 4 bedrooms****

TRENCHES:	Trenches to be <u>2</u> feet wide. Inlet <u>3</u> feet below original grade. Bottom maximum depth <u>9</u> feet below grade. Effective area begins at 6 feet below original grade with <u>6</u> feet of stone below distribution pipe.
LOCATION:	System location will be determined in field at time of pre-construction meeting.
NOTES:	All trenches must have obs. pipes at the ends. System will be finalized when pump and alarm test occurs and functional. Outlet baffle filter <u>may</u> be installed per homeowner's request. Approved filters: PL-122 equivalent or better may be used. Ex. trenches <u>may</u> be capped off with obs. pipes placed in ends to allow time to dry out. Per homeowner request.

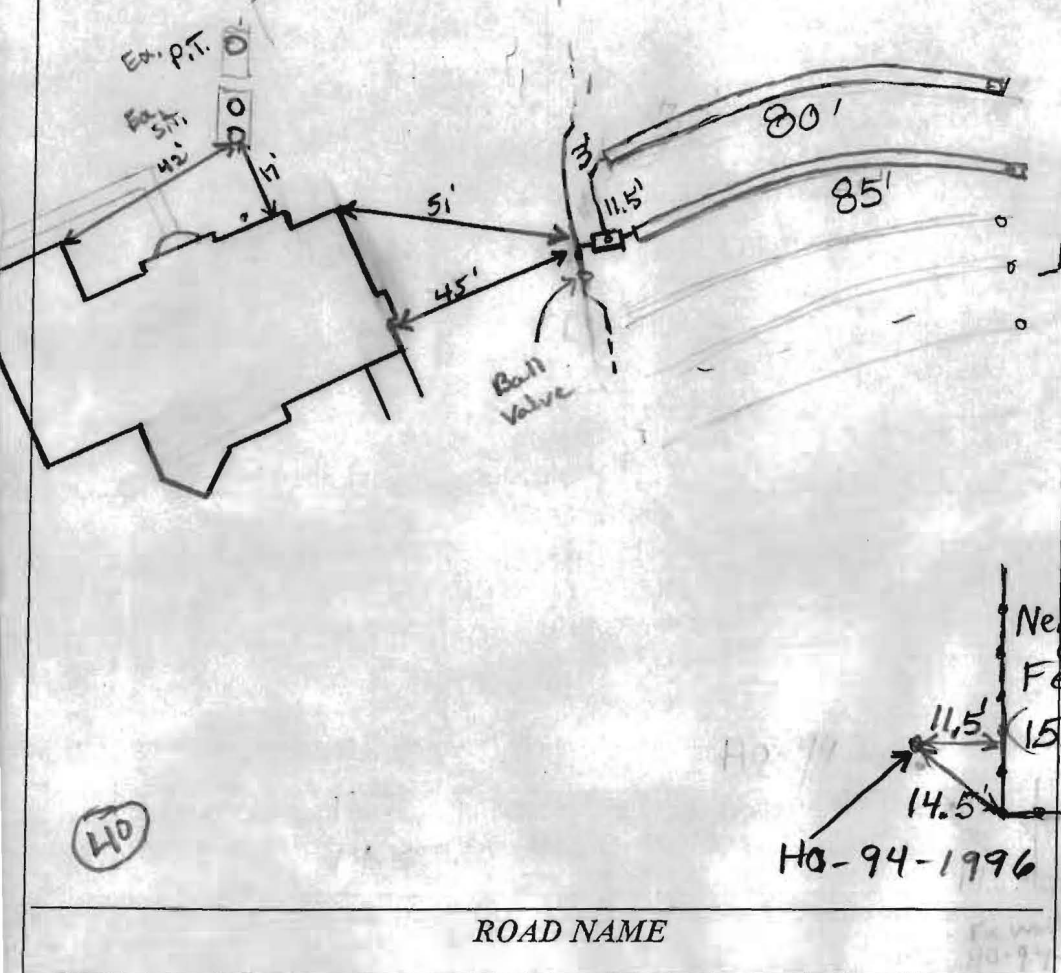
PLANS APPROVED: Kevin M. Wolf DATE: 7/9/2012

- NOTE: PERMIT VOID AFTER 2 YEARS
- NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM

**NEITHER THE HOWARD COUNTY COUNCIL OR 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**

Sapling Ridge Dr.

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
2'	3.5'	9'
NUMBER OF TRENCHES		2
TOTAL LENGTH		165'
ABSORPTION AREA		49.5
DISTRIBUTION BOX LEVEL		Yes
DISTRIBUTION BOX BAFFLE		90' bend
DISTRIBUTION BOX PORT		Yes

SEPTIC TANK DATA	
SEPTIC TANK 1 LEVEL	Yes
MANUFACTURER	?
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	2'
BAFFLES	Yes (4')
BAFFLE FILTER	No
MANHOLE LOC	Front + Rear
6" PORT LOC	None
WATERTIGHT TEST	OK
SLOTTED	Yes
DATE ON LID	N/A
<u>PUMP</u> SEPTIC TANK LEVEL	Yes
MANUFACTURER	?
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	2'
BAFFLES	No
BAFFLE FILTER	No
MANHOLE LOC	Rear
6" PORT LOC	None
WATERTIGHT TEST	OK
SLOTTED	No
DATE ON LID	N/A

ROAD NAME

PRE-CONSTRUCTION:

8/14/12 Contractor to install 2x85' trenches on contour just below existing trenches. Gate valve might need to be installed on new 2" F.I.P. @ pump for reduced static head. (KJ)

INSTALLATION:

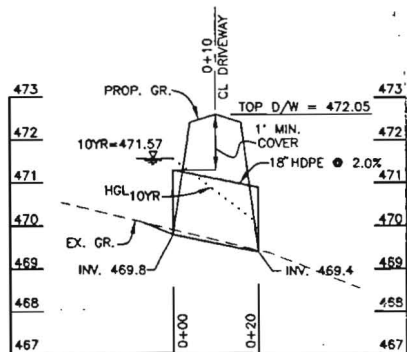
8/14/12 (pm) Starting disconnection 2" F.I.P., re-routing w/ new "Tee" and isolation valve. (KJ)
 8/15/12 Dbox set. Gate valve installed in pump tank, top trench started. Backhoe broke. (JW)
 8/16/12 System finished, O.K. to backfill. Pump and alarm working. (BB)

FINAL INSPECTOR B. Baker

DATE OF APPROVAL 8/16/2012

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. THE AREA DESIGNATED AS 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-01-178.
4. EXACT LENGTH OF SEPTIC TRENCHES ARE BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PERMIT ISSUANCE.
5. SPILL 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 MARI AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.



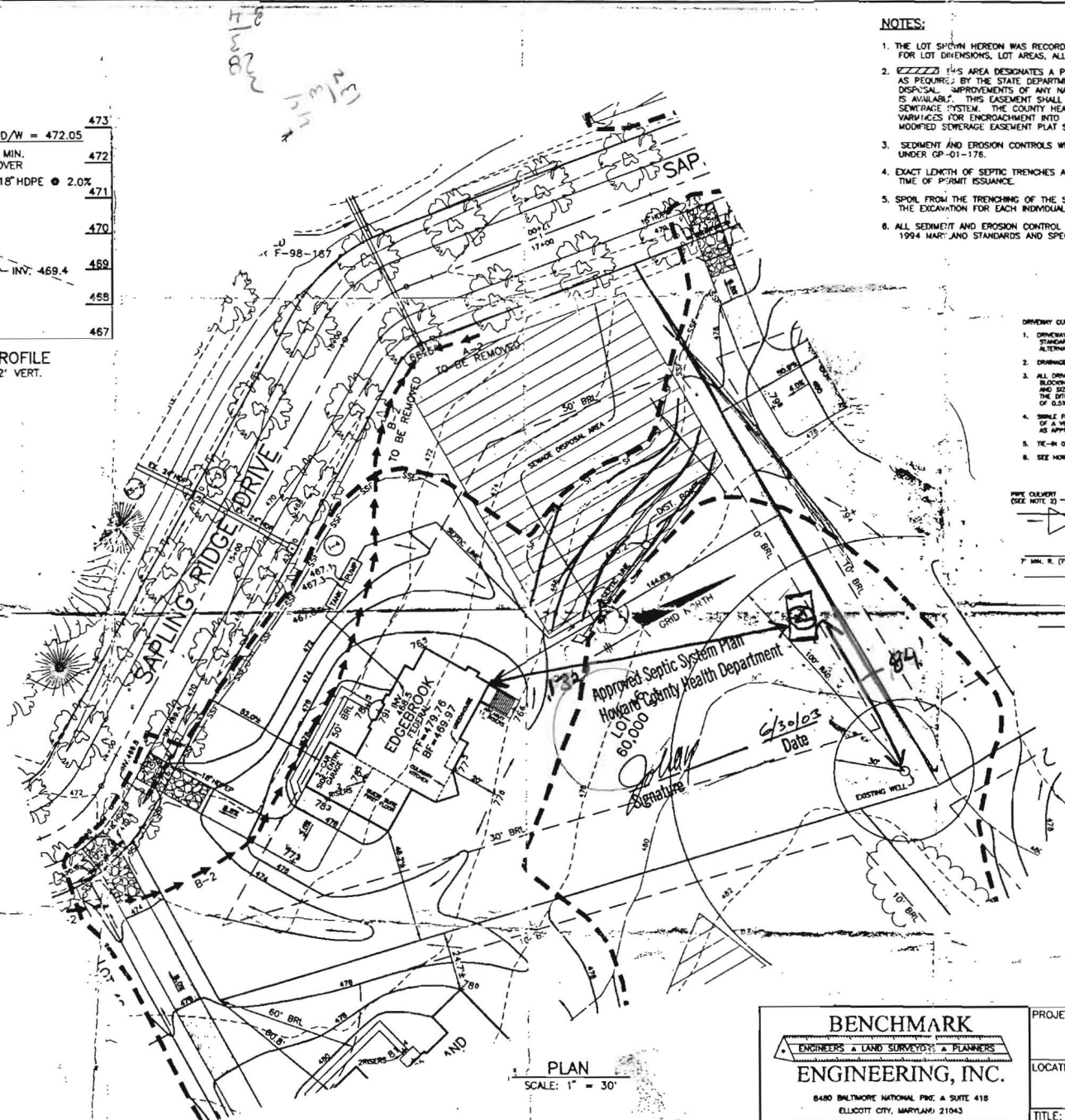
LOT 46 CULVERT PROFILE
SCALE: 1"=20' HOR., 1"=2' VERT.

SEPTIC INFORMATION CHART

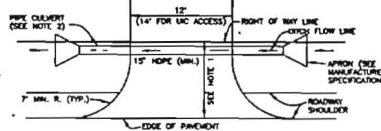
INV. OUT OF HOUSE	488.5
INV. IN TANK	457.6
INV. OUT TANK	467.3
TOP OF TANK	468.6
GROUND OVER TANK	471.0
INV. IN PUMP	467.1
GROUND OVER PUMP	471.0
INV. IN DIST. BOX	475.2
GROUND OVER BOX	477.2

LEGEND

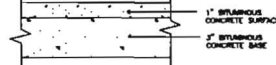
- 470, 472: EXISTING CONTOURS AS SHOWN ON F-98-167
- 472: PROPOSED CONTOURS
- : EXISTING TREELINE
- : PROPOSED TREELINE
- : SILT FENCE
- : SUPER SILT FENCE
- : EARTH DIKE
- : STABILIZED CONSTRUCTION ENTRANCE
- : LIMIT OF DISTURBANCE
- : SEPTIC EASEMENT
- : WELL LOCATION
- : STREET TREE INSTALLED UNDER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



- DRIVEWAY CULVERT NOTES:**
1. DRIVEWAY MUST BE FINISHED FROM EDGE OF PUBLIC ROAD TO RIGHT-OF-WAY USING STANDARD PAVING SECTION P-1 AS SHOWN ON SCHEDULES 140-141, 142 OR AN ALTERNATE SECTION EQUAL TO OR BETTER THAN P-1, AS APPROVED BY D.P.M.
 2. DRAINAGE CULVERT SHALL BE SIZED FOR A 10 YEAR FREQUENCY STORM.
 3. ALL DRIVEWAY CULVERT PIPES ARE TO BE 18" HDPE OR GREATER TO PREVENT BLOWING HOSE WINDERS ARE TO BE INSTALLED AT EACH END OF THE CULVERT AND SIZED FOR MANUFACTURER'S SPECIFICATIONS. IF A LARGER PIPE IS REQUIRED THE SLOPE MUST BE LOWERED TO PROVIDE A MINIMUM DITCH DEPTH OF 0.5% AND THE CLEARANCE SHOWN.
 4. SINGLE FLOW MAY BE PROVIDED OVER DRIVEWAY IF LOCATED AT OR NEAR THE CREST OF A VERTICAL CURVE ON THE PUBLIC ROAD WHEN QUANTITY OF FLOW IS SMALL AS APPROVED BY D.P.M.
 5. THE IN GRADE OF DRIVEWAY SHALL NOT EXCEED 1.4%.
 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

PLAN
SCALE: 1" = 30'

BENCHMARK
ENGINEERS • LAND SURVEYORS • PLANNERS

ENGINEERING, INC.

6480 BALTIMORE NATIONAL PKWY. A SUITE 418
ELLCOTT CITY, MARYLAND 21043
PHONE: 410-485-8100 FAX: 410-485-6844

BUILDER: TOLL BROTHERS, P.C.
7184 COLUMBIA GATEWAY DRIVE
SUITE 230
COLUMBIA, MARYLAND 21046
410-672-9105

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	
TITLE:	PLOT PLAN	
HOUSE TYPE:	COVENTRY	
DATE:	JUNE 19, 2003	PROJECT NO. 1362
SCALE:	AS SHOWN	DRAWING 1 OF 1