

8/18/03 2:30

PUB. SEWER STATUS VERIFIED BY _____

ISSUE DATE: 6/13/2003

PERMIT

P 519013

APPROVAL DATE: 6/18/03

A REPAIR

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

Billings Outback Septic Service IS PERMITTED TO INSTALL ALTER

ADDRESS: 180 Obrecht Rd, Millersville PHONE NUMBER: 410-544-0564

SUBDIVISION: Twelve Hills LOT NUMBER: 30

ADDRESS: 13070 Twelve Hills Road PROPERTY OWNER: Chien

SEPTIC TANK CAPACITY (GALLONS): N/A

PUMP CHAMBER CAPACITY (GALLONS): N/A

NUMBER OF BEDROOMS: 5

SQUARE FEET PER BEDROOM: 180

LINEAR FEET OF TRENCH REQUIRED: _____

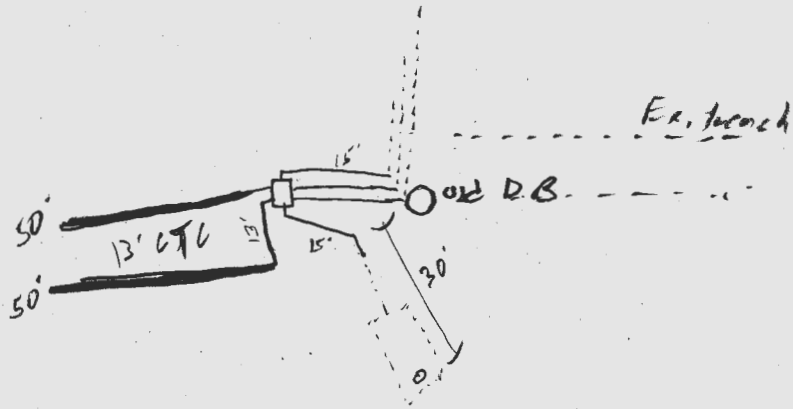
TRENCHES:	Trench to be 3.0 feet wide. Inlet 4.5 feet below original grade. Bottom maximum depth 6.5 feet below original grade. Effective area begins at 4.5 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Install two 50' trenches to left of distribution box as shown on plan.
PURPOSE:	In support of B00141157 for swimming pool. Disconnect two existing trenches to right of distribution box. Any trench materials removed shall be disposed of onsite at least ten feet from modified sewage easement and no more than 50' from house.

PLANS APPROVED: MER DATE: 5/2/03

- 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

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

NOT TO SCALE



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 _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

SEPTIC TANK 2 LEVEL _____

CAPACITY _____ GAL

SEAM LOC _____

TANK LID DEPTH _____

BAFFLES _____

BAFFLE FILTER _____

MANHOLE LOC _____

6" PORT LOC _____

WATERTIGHT TEST _____

PRE-CONSTRUCTION _____

INSTALLATION 6/18/03 - 2 Trenches moved to accommodate pool
2 Ex trenches disconnected (SO)

FINAL INSPECTOR [Signature] DATE OF APPROVAL 6/18/03

INDEXED

PERMIT
SEWAGE DISPOSAL SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
410-313-2640

P 514735

A 39918

ISSUE DATE _____

APPROVAL DATE 1/24/01

William H. Smith, Jr. PERMITTED TO INSTALL ALTER _____

ADDRESS P.O. Box 330, Forest Hill, MD 21050 PHONE 410-879-7641

SUBDIVISION Twelve Hills LOT NUMBER 30 ADDRESS 13070 Twelve Hills Road

PROPERTY OWNER D. Chien PROPERTY OWNER'S ADDRESS 8469 Oakton Lane, Apt. 4A

SEPTIC TANK CAPACITY 1500 GALLONS TOPSEAM Ellicott City, MD 21043

PUMP CHAMBER CAPACITY NA GALLONS

NUMBER OF BEDROOMS 5

SQUARE FEET PER BEDROOM 180

LINEAR FEET OF TRENCH REQUIRED 300

TRENCHES: Trenches to be 3 feet wide. Inlet 4.5 feet below original grade. Bottom maximum depth 6.5 feet below original grade. 2 feet of stone below distribution box.

LOCATION: Beginning at the right-of-way as seen when facing the lot from Twelve Hills Road, place the distribution box 305 feet down the 365' lot line and 205' off the same line. Run trenches on contours in both directions. Maintain a minimum of 100 feet from the well. 3/1/00 0.75 (AP)

PLANS APPROVED Jane Nadeau /DS 1-2100 DATE 04-25-89

PERMIT VOID AFTER 2 YEARS

NOTE: CONTRACTOR RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS

NOTE: TOP OF SEPTIC TANKS ARE TO BE NO DEEPER THAN 3.0 FEET BELOW FINISH GRADE

NOTE: WATERTIGHT SEPTIC TANKS REQUIRED

NOTE: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS ARE NOT ACCEPTABLE

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX, DRAINFIELDS) TO BE 100 FEET FROM ANY WATER WELL UNLESS OTHERWISE SPECIFICALLY AUTHORIZED

NOTE: NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH UNLESS SPECIFICALLY AUTHORIZED

NOTE: ALL PIPE FROM HOUSE TO SEPTIC TANK MUST BE CAST IRON OR SCHEDULE 35/40 PVC OR ABS

NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS

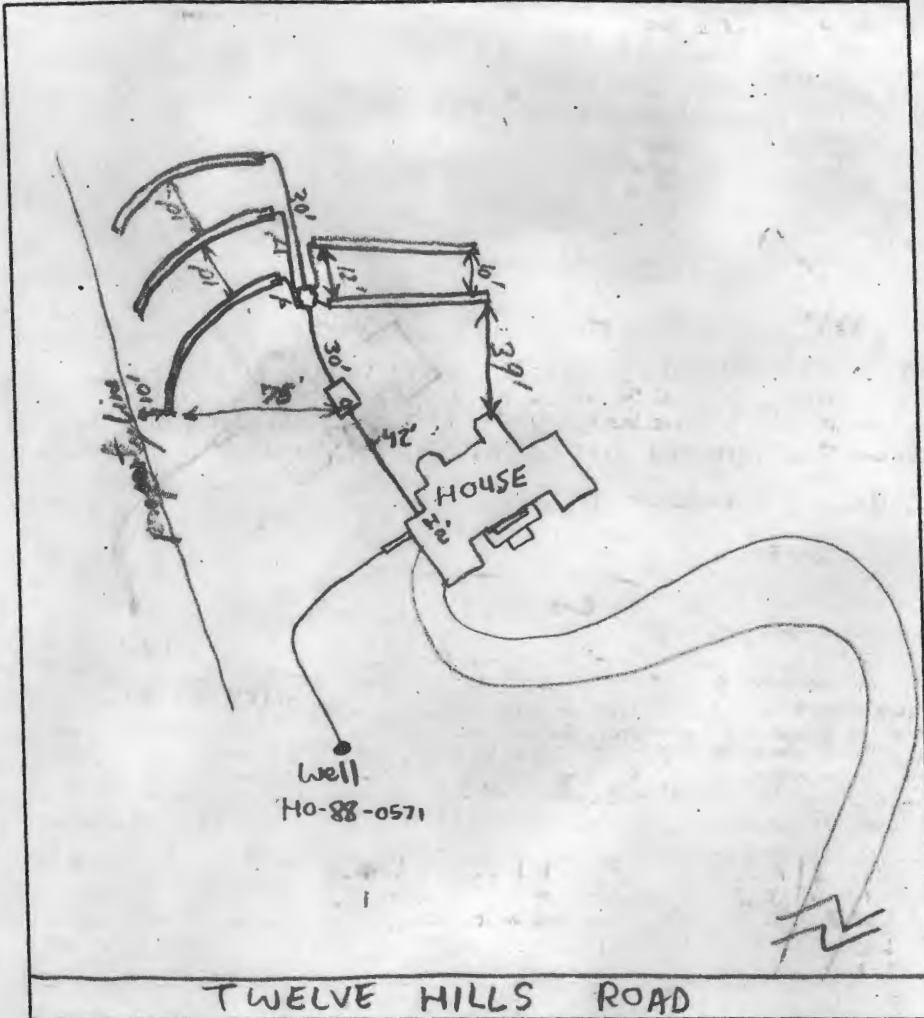
NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

NOTE: IF PUMPED SEPTIC SYSTEM REQUIRED, (1) SEPTIC PUMP DETAIL TO BE PROVIDED BY INSTALLER PRIOR TO ISSUANCE OF SEPTIC PERMIT (2) PUMP PERFORMANCE TEST IS NECESSARY PRIOR TO HEALTH DEPARTMENT APPROVAL OF SEPTIC 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

39918

NOT TO SCALE



TRENCH DATA

TRENCH WIDTH 3'
 TRENCH INLET DEPTH 4 1/2'
 TRENCH BOTTOM DEPTH 6 1/2'
 DEPTH OF STONE 2'
 NUMBER OF TRENCHES 5 (60' each)
 TOTAL TRENCH LENGTH 300 LF
 ABSORBENT AREA 900 sq ft.
 DISTRIBUTION BOX LEVEL
 BAFFLE IN DISTRIBUTION BOX

SEPTIC TANK DATA

SEPTIC TANK 1500 TS ^{one chamber} GALLONS
 MANHOLE RISER NA
 6 INCH INSPECTION PORT

PUMP CHAMBER DATA

PUMP CHAMBER GALLONS NA
 MANHOLE RISER NA
 ALARM NA
 PUMP PERFORMANCE TEST NA

PRE-CONSTRUCTION INSPECTION: 1/23/01-OK TO INSTALL SYSTEM AS PER DISCUSSED IN FIELD, RUN 60' TRENCHES BOTH WAYS TO CENTER TO CENTER, TO CONSERVE

SEPTIC AREA SRV
 INSPECTION COMMENTS: Trenches graded, pipes & papered - OK to cover. ST. set OK to cover
Septic Tank has old style Plastic Baffles present in tank. House Connection Make - OK to cover all work. RJP 1/24/01

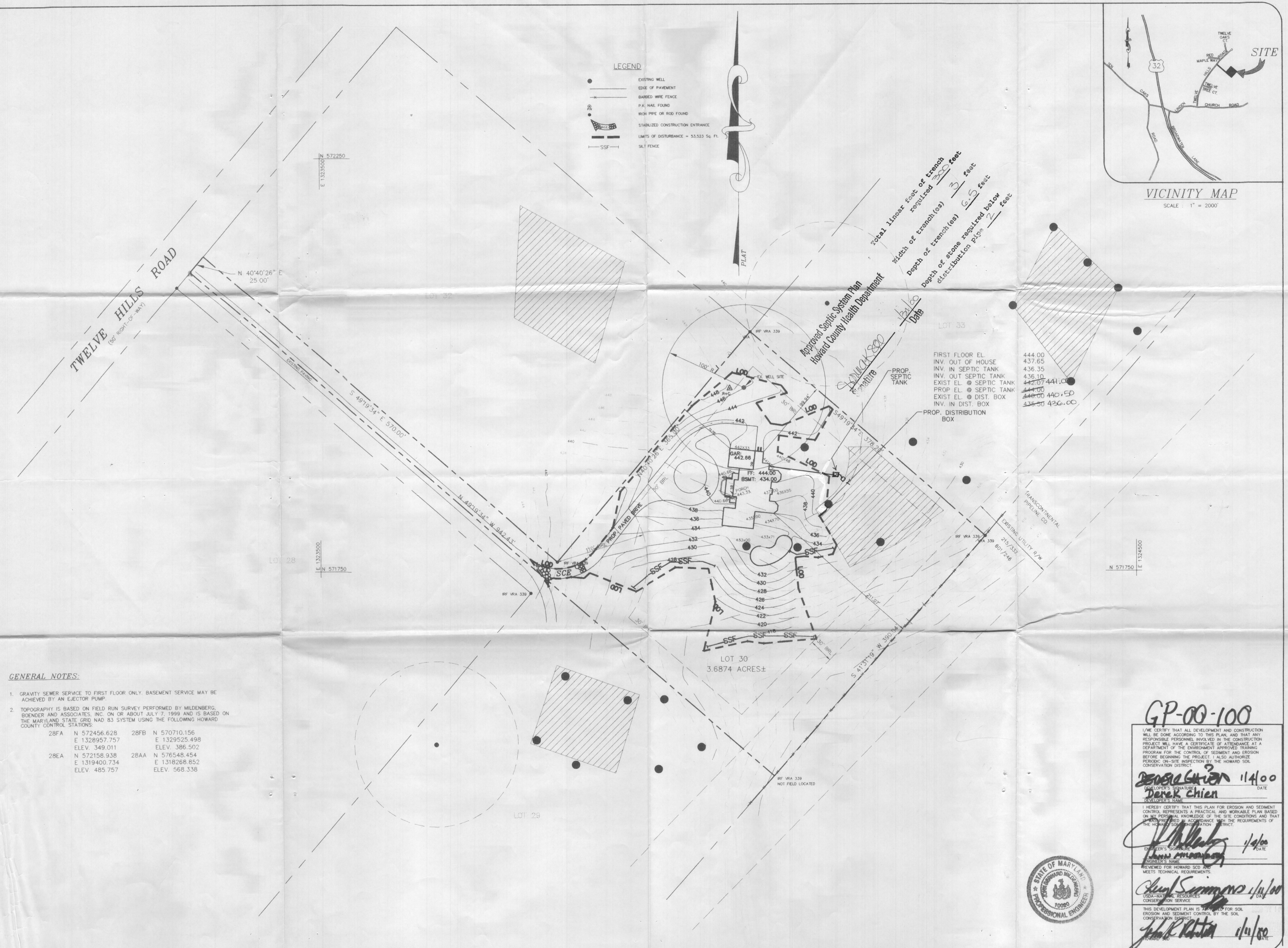
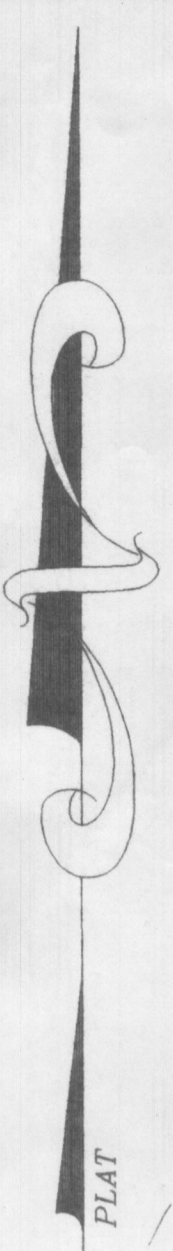
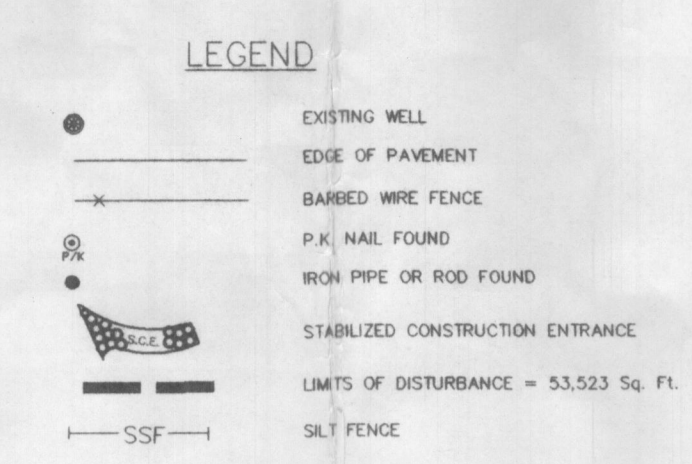
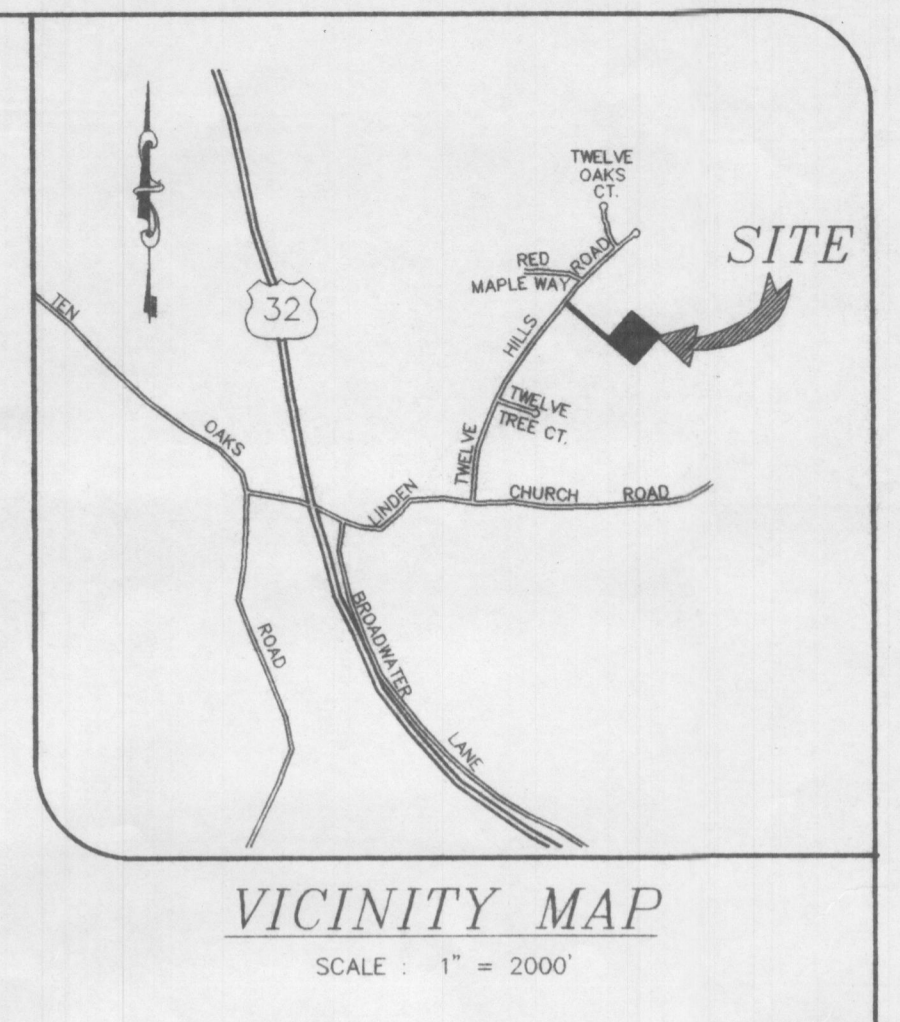
INSPECTOR RJP DATE SYSTEM APPROVED 1/24/01

date	NOV 1999	engineering	
project	99050	illustration	KAS
scale	STP	approval	JBM

no.	description	date

TWELVE HILLS
 LOT 30
 TAX MAP 28 P/O PARCEL 49
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY
 PLOT PLAN

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042
 (410) 997-0296 Balt. (301) 621-5521 Wash. (410) 997-0298 Fax



Approved Septic System Plan
 Howard County Health Department
 12/1/00 Date

Total Linear Feet of Trench required 380 feet
 Width of trench (ea) 3 feet
 Depth of trench (es) 6.5 feet
 Depth of stone required below distribution pipes 2 feet

FIRST FLOOR EL. 444.00
 INV. OUT OF HOUSE 437.65
 INV. IN SEPTIC TANK 436.35
 INV. OUT SEPTIC TANK 436.10
 EXIST. EL. @ SEPTIC TANK 442.07
 PROP. EL. @ SEPTIC TANK 441.00
 EXIST. EL. @ DIST. BOX 440.00
 INV. IN DIST. BOX 436.50
 440.00
 436.00

GENERAL NOTES:

- GRAVITY SEWER SERVICE TO FIRST FLOOR ONLY. BASEMENT SERVICE MAY BE ACHIEVED BY AN EJECTOR PUMP.
- TOPOGRAPHY IS BASED ON FIELD RUN SURVEY PERFORMED BY MILDENBERG, BOENDER AND ASSOCIATES, INC. ON OR ABOUT JULY 7, 1999 AND IS BASED ON THE MARYLAND STATE GRID NAD 83 SYSTEM USING THE FOLLOWING HOWARD COUNTY CONTROL STATIONS:

28FA	N 572456.628	28FB	N 570710.156
	E 1328957.757		E 1329525.498
	ELEV. 349.011		ELEV. 386.502
28EA	N 572158.938	28AA	N 576548.454
	E 1319400.734		E 1318268.852
	ELEV. 485.757		ELEV. 568.338

GP-00-100

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

Derek Chien 11/1/00
 DEVELOPER'S SIGNATURE DATE
 DEVELOPER'S NAME

Derek Chien 1/1/00
 ENGINEER'S SIGNATURE DATE
 ENGINEER'S NAME

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT MEETS TECHNICAL REQUIREMENTS.

Paul R. Kistner 1/1/00
 USA-NATURAL RESOURCES CONSERVATION SERVICE DATE
 PROFESSIONAL ENGINEER

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE SOIL CONSERVATION DISTRICT.

Paul R. Kistner 1/1/00
 HOWARD SOIL CONSERVATION DISTRICT DATE



99050.dwg 20-plot2.dwg