

LAYOUT 12/9/02 10:00 INSP 4 12/13/02 11:30  
INSP 2 12/10/02 1:00 INSP 5 6/25/03 10:30am  
INSP 3 12/12/02 1-2 INSP 6 \_\_\_\_\_

ISSUE DATE: 11/4/2002  
APPROVAL DATE: 6/25/03

**PERMIT  
INDEXED**

P 517981  
A 516938

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

**05-356318**

K & K Excavating IS PERMITTED TO INSTALL  ALTER

ADDRESS: 14960 Frederick Rd, Woodbine PHONE NUMBER: 410-442-1336

SUBDIVISION: \_\_\_\_\_ LOT NUMBER: \_\_\_\_\_

ADDRESS: 13895 Highland Road PROPERTY OWNER: Selfridge Builders

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

PUMP CHAMBER CAPACITY (GALLONS): 1250 COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 240

LINEAR FEET OF TRENCH REQUIRED: 320 HOUSE SERVED BY PUBLIC WATER

TRENCHES:	Trench to be 3.0 feet wide. Inlet 5.0 feet below original grade. Bottom maximum depth 7.0 feet below original grade. Effective area begins at 5.0 feet below original grade. 2.0 feet of stone below distribution pipe.
LOCATION:	Place the distribution box approximately 10' downhill of the upper corner easement stake that is closest to the house. Run Trenches on contour towards the fences.
NOTES:	Trenches should be spaced 10' center to center if contour permits.

PLANS APPROVED: Brian Baker *OK 10/1/02 (CB)* DATE: 10/01/2002

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

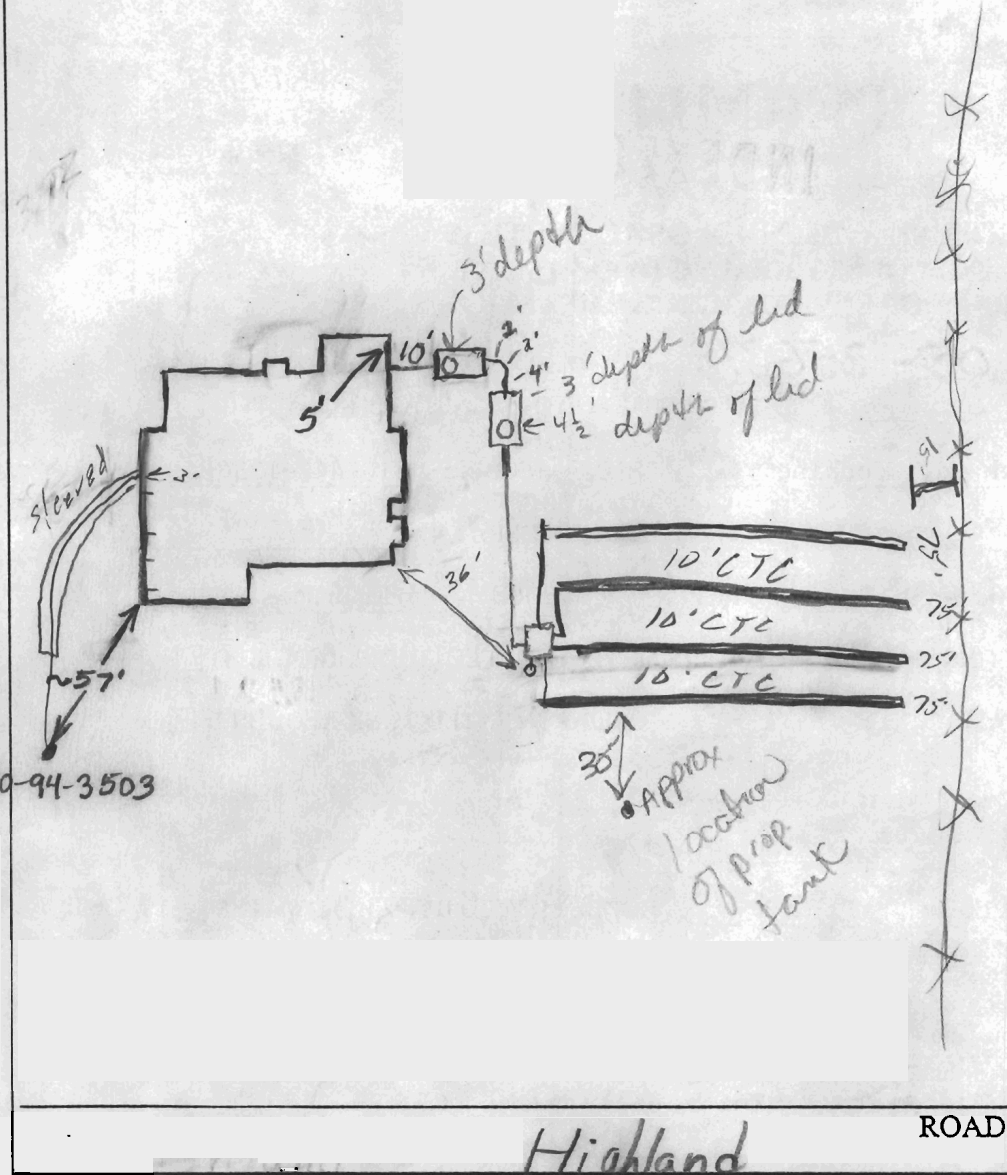
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS  
RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM  
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

**BUILDING PERMIT SIGNED  
AND RETURNED**

11/7/03 B00141239 UG PROpane TANK

AS14938

NOT TO SCALE



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3	5'	7"
NUMBER OF TRENCHES		4
TOTAL LENGTH		300'
ABSORPTION AREA		900 <sup>sq</sup>
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	3'
BAFFLES	Assume
BAFFLE FILTER	
MANHOLE LOC	front
6" PORT LOC	No
WATERTIGHT TEST	NO
SEPTIC TANK 2 LEVEL	
CAPACITY	1500 GAL
SEAM LOC	Top
TANK LID DEPTH	4 1/2' low
BAFFLES	Assume
BAFFLE FILTER	No
MANHOLE LOC	back
6" PORT LOC	No
WATERTIGHT TEST	No

PRE-CONSTRUCTION 12/9/02 Easement staked. House connection moved. Pump tank may be too deep. Told Ketterman's to change existing grade to lessen depth. (BB) 12/10/02 Pump tank & D.B. set. OK to cover. Pump tank too deep. Builder to cut down (SO) 12/12/02 - 1<sup>st</sup> trench installed, OK to make trenches 75' each, no room to dig last 5' because of proximity to neighbors fence (SO) 12/12/02 - 2<sup>nd</sup> & 3<sup>rd</sup> trench installed, OK to cover (SO) 12/13/02 OK to cover all work. Pump & Alarm tests needed. Need to cut grade down around tanks (SO) 6/24/03 Measured depth of manhole risers to grade, 1<sup>st</sup> 3' pump tank 4 1/2'

FINAL INSPECTOR [Signature] DATE OF APPROVAL 6/25/03

Pump/Alarm test not ready (KN) 6/25/03 Pump & Alarm test OK (EC)



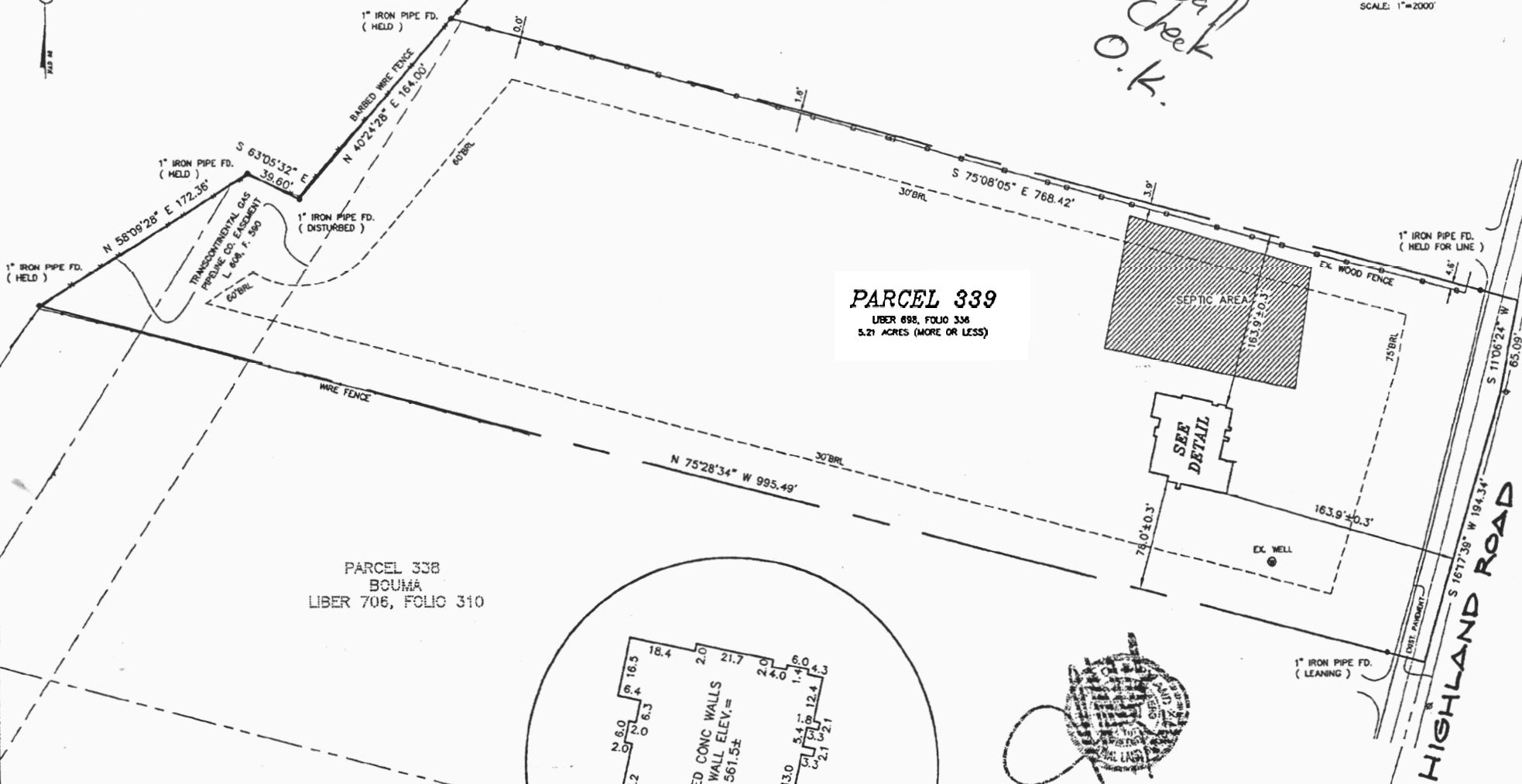
PARCEL 2  
CURTIS  
LIBER 2644, FOLIO 140

PARCEL 340  
BRADFORD  
LIBER 984, FOLIO 304



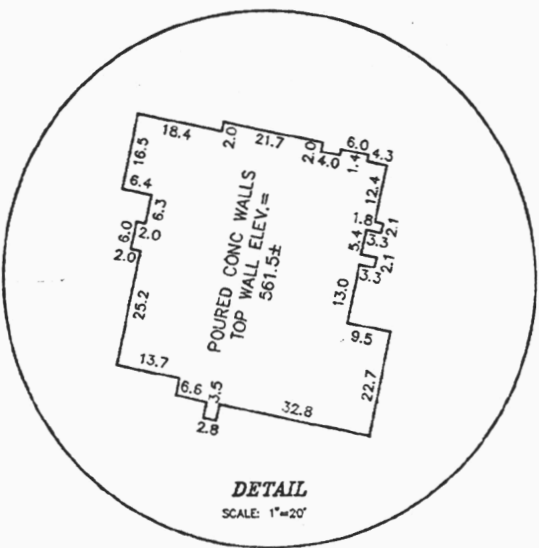
VICINITY MAP  
SCALE: 1"=2000'

JB  
11/4/02  
wall  
check  
O.K.



PARCEL 338  
BOUMA  
LIBER 706, FOLIO 310

PARCEL 337  
CLEMENS  
LIBER 844, FOLIO 278

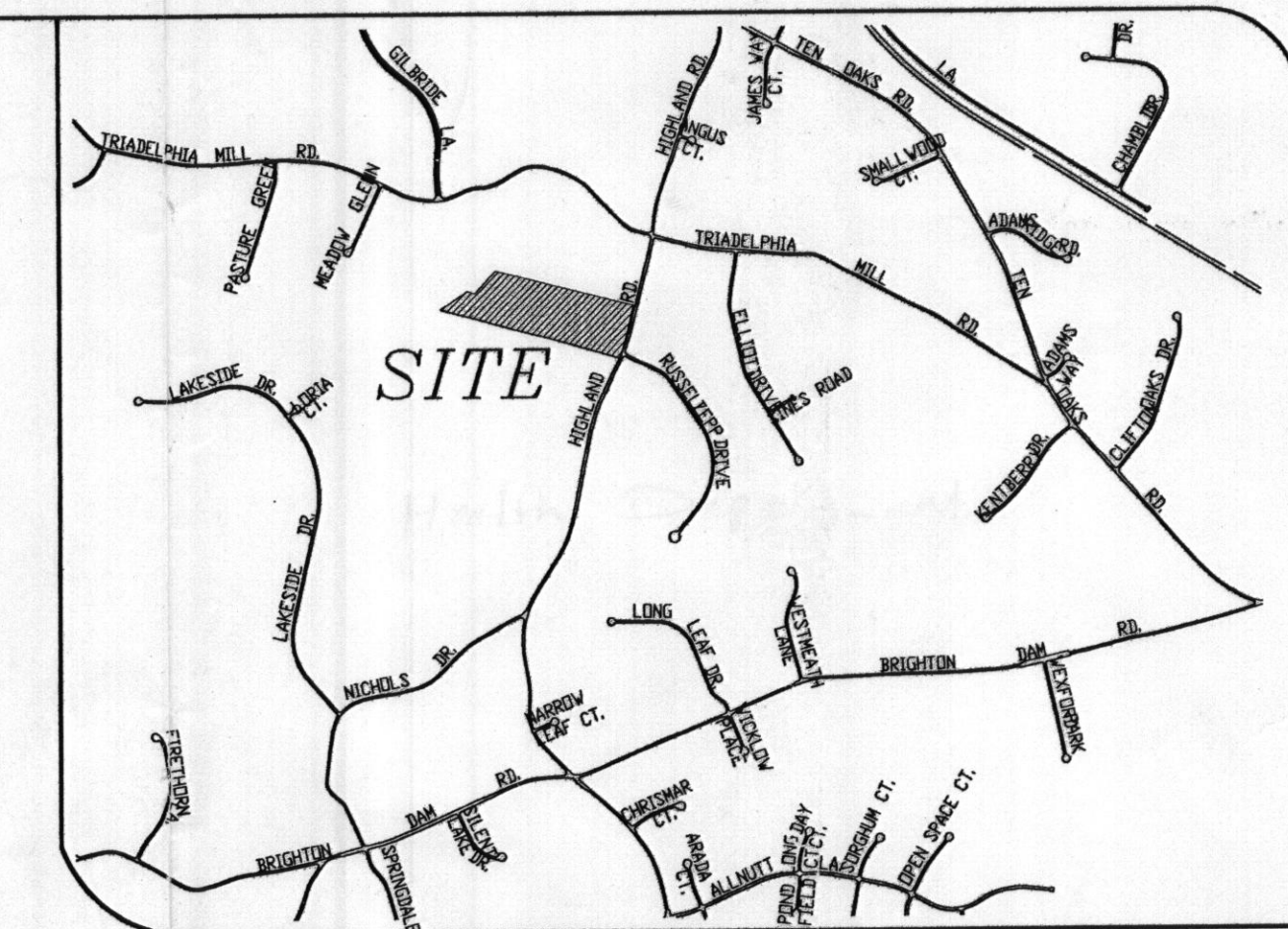


DETAIL  
SCALE: 1"=20'



ADDRESS: 13895 HIGHLAND ROAD  
ELECTION DISTRICT No. 5  
HOWARD COUNTY, MARYLAND

THE INFORMATION SHOWN HAS BEEN ESTABLISHED BY CURRENT ACCEPTABLE SURVEY PROCEDURES AND FROM AVAILABLE RECORD INFORMATION. THIS DRAWING IS TO BE USED FOR TITLE TRANSFER FINANCING, OR REFINANCING ONLY AND IS NOT TO BE USED FOR THE ESTABLISHMENT OF PROPERTY LINES, LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.



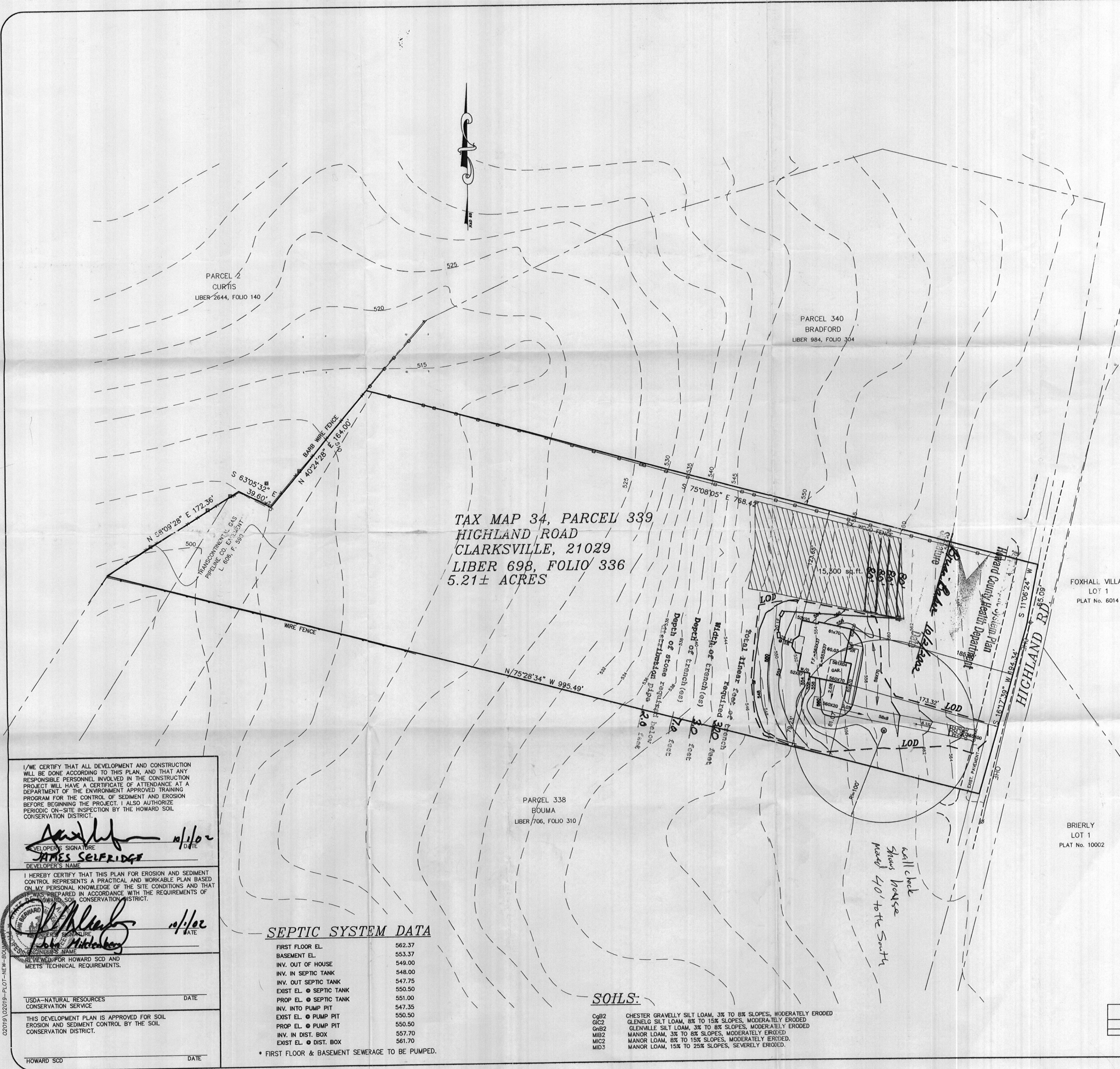
**VICINITY MAP**  
SCALE: 1"=2000'

Project	02019	date	OCT 2002
Illustration	SAA/MMT	engineering	SA/SID
scale	1" = 50'	approval	RIH

no.	description	date
	revisions	

**KIM PROPERTY**  
TAX-MAP-34, PARCEL-339  
THIRD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
PLOT PLAN

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



**TAX MAP 34, PARCEL 339**  
**HIGHLAND ROAD**  
**CLARKSVILLE, 21029**  
**LIBER 698, FOLIO 336**  
**5.21± ACRES**

**GENERAL NOTES:**

1. TOPOGRAPHIC DATA IN THE AREA SURROUNDING THE HOUSE IS BASED ON A SURVEY BY MILDENBERG, BOENDER & ASSOCIATES, INC. PERFORMED IN APRIL, 1999.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE 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 ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT, & RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
3. DRIVEWAY(S) SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
  - A) WIDTH-12 FEET (14 FEET IF SERVING MORE THAN ONE RESIDENCE).
  - B) SURFACE-STANDARD P-1 PAVING SECTION.
  - C) GEOMETRY-MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 45 FOOT TURNING RADIUS.
  - D) STRUCTURES (CULVERTS/BRIDGES)-CAPABLE OF SUPPORTING 25' GROSS TONS (H25 LOADING)
  - E) DRAINAGE ELEMENTS-CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE.
  - F) STRUCTURE CLEARANCES-MINIMUM 12 FEET.
  - G) MAINTENANCE-SUFFICIENT TO INSURE ALL WEATHER USE.
4. THE SPOIL FROM THE TRENCHING OF THE SEPTIC SYSTEM IS TO BE PLACED ON THE UPHILL SIDE OF THE TRENCHES.
5. THIS PLAN IS BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT SEPTEMBER 2002 BY MILDENBERG, BOENDER & ASSOC., INC.

**LEGEND**

- SEPTIC EASEMENT
- EX. WELL
- LOD - LIMIT OF DISTURBANCE
- SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE

BRIERY LOT 1  
PLAT No. 10002

FOXHALL VILLAS  
LOT 1  
PLAT No. 6014

**SEPTIC SYSTEM DATA**

FIRST FLOOR EL.	562.37
BASEMENT EL.	553.37
INV. OUT OF HOUSE	549.00
INV. IN SEPTIC TANK	548.00
INV. OUT SEPTIC TANK	547.75
EXIST EL. ● SEPTIC TANK	550.50
PROP EL. ● SEPTIC TANK	551.00
INV. INTO PUMP PIT	547.35
EXIST EL. ● PUMP PIT	550.50
PROP EL. ● PUMP PIT	550.50
INV. IN DIST. BOX	557.70
EXIST EL. ● DIST. BOX	561.70

**SOILS:**

CgB2	CHESTER GRAVELLY SILT LOAM, 3% TO 8% SLOPES, MODERATELY ERODED
Gc2	GLENELG SILT LOAM, 8% TO 15% SLOPES, MODERATELY ERODED
GnB2	GLENVILLE SILT LOAM, 3% TO 8% SLOPES, MODERATELY ERODED
Mb2	MANOR LOAM, 3% TO 8% SLOPES, MODERATELY ERODED
Mi2	MANOR LOAM, 8% TO 15% SLOPES, MODERATELY ERODED
Md3	MANOR LOAM, 15% TO 25% SLOPES, SEVERELY ERODED.

\* FIRST FLOOR & BASEMENT SEWERAGE TO BE PUMPED.

**ADDRESS CHART**  
STREET ADDRESS  
13895 HIGHLAND ROAD

**OWNER**  
KIM GWAN & YOUNG AE  
5226 PATRIOT LN  
COLUMBIA, MD 21045

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.

*James Selfridge* 10/10/02  
DEVELOPER'S SIGNATURE DATE  
**JAMES SELFDRIDGE**  
DEVELOPER'S NAME

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*John A. Milder* 10/10/02  
ENGINEER'S SIGNATURE DATE  
**John A. Milder**  
ENGINEER'S NAME

REVIEWED FOR HOWARD SOD AND MEETS TECHNICAL REQUIREMENTS.

USDA-NATURAL RESOURCES CONSERVATION SERVICE DATE

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

HOWARD SCD DATE