

D2-245418

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 56369

A \_\_\_\_\_

DISTRICT 2nd

DATE 12-11-95

**HOWARD COUNTY HEALTH DEPARTMENT**  
**BUREAU OF ENVIRONMENTAL HEALTH**

461-9933 313-2640

12/11/95 CR# 2787  
PAID 180.60

REPAIR

DATE SYSTEM APPROVED 12-15-95

INSPECTOR RR

~~INDEXED~~ PERMIT ONLY

K & K Excavating (Olen Ketterman) IS PERMITTED TO INSTALL X ALTER \_\_\_\_\_

ADDRESS 14960 Route 144, Woodbine, Maryland 21797 PHONE 442-1336

SUBDIVISION Spedden Property LOT \_\_\_\_\_ ROAD 4509 Centennial Lane

PROPERTY OWNER Robert & Helen Spedden

ADDRESS \_\_\_\_\_

SEPTIC TANK CAPACITY 1000 GALLONS.

NUMBER OF BEDROOMS 3

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 180

TRENCHES - Trench to be 3 feet wide. Inlet 5.5 feet below original grade. Bottom maximum depth 7.5 feet below original grade. Effective area begins at 5.5 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place the distribution box 230 feet down the 507 feet lot line from its junction with the 330' lot line, and 230' off the 507' lot line. Run trenches on contour towards the right lot line as seen from Centennial Lane.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

PLANS APPROVED BY Glen Savage DATE 12/04/95

COVER NO WORK UNTIL INSPECTED AND APPROVED

NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM

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

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

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER NO ABSORPTION TRENCH TO EXCEED 100 FEET IN LENGTH

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

PERMIT VOID AFTER TWO YEARS

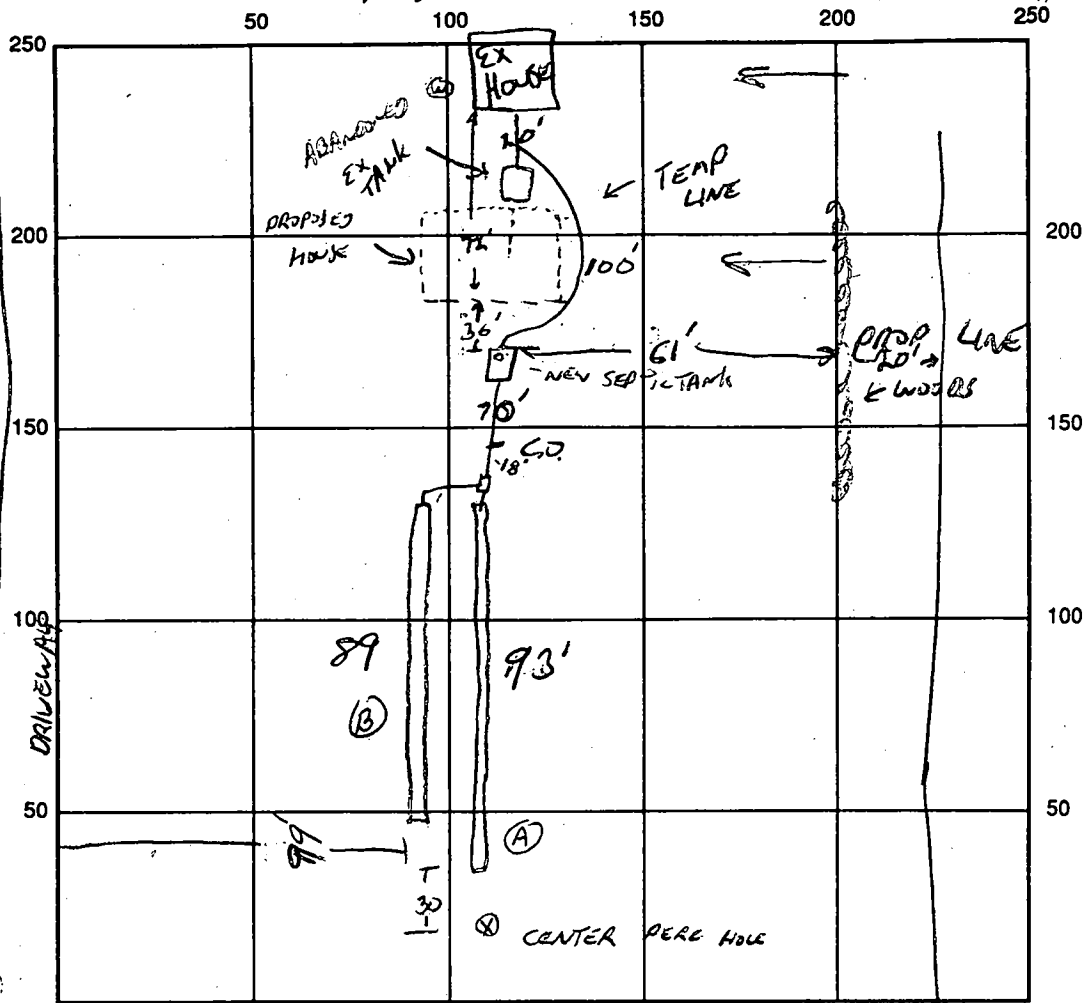
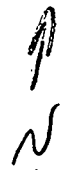
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

**\*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT**

P 56369

TO CENTENNIAL AVE



NOT TO SCALE

29  
2  
93  
89  
182  
3  
546

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL OK CLEANOUTS 1 ON TANK - OK / IN LINE  
 DISTRIBUTION BOX LEVEL OK, BAFFLE IN  
 DRAIN FIELD/TITLE DEPTH 7.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 5.5 FT.  
 EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH 182 FT. A = 93'  
B = 89'  
 NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 546 SQ. FT.  
 DRYWALL INSIDE DIAMETER — FT. EFFECTIVE DEPTH BELOW INLET 2 FT.  
 ABSORBENT AREA — SQ. FT.

REMARKS: 12-11-95 OK TO USE 3000 LB. SEWER PIPE FOR TEMPORARY USE FROM EXISTING HOUSE  
TO TANK, SCHEDULE 40 TO BE USED FOR NEW HOUSE INSTALLATION. 12-11-95  
OK TO COVER HOUSE TO AND INCLUDING TANK. EXISTING TANKS TO BE COVERED  
ALREADY COVERED. 12/11/95 RETURN TO CHECK ABANDONMENT OF SEPTIC, APPARENTLY COVERED  
GET KETTERMAN TO SIGN SOMETHING STATING THAT THEY COMPLETED THE WORK. 12  
12-15-95 SEPTIC ABANDONMENT CERTIFICATION IN FILE - 1/4/96

DATE SYSTEM APPROVED 12-15-95 INSPECTOR [Signature]

January 3, 1996

TO: Howard County Health Department

FROM: K & K Excavating (Olen Ketterman)  
14960 Route 144  
Woodbine, Maryland 21797

RE: Spedden Property  
4509 Centennial Lane

The undersigned certifies that on December 15, 1995 we properly completed septic system abandonment procedures at the above referenced property.

Signed

Olen L. Ketterman

6/13/74 - before  
start of  
process

6/13/74 File: Final m.s.

# PERMIT

P 20014

A \_\_\_\_\_

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

## INDEXED

ELLICOTT CITY

DISTRICT 2

DATE 6/7/74

Mathena Septic Tank Service IS PERMITTED TO INSTALL ALTER X

ADDRESS Woodstock Road, Woodstock, Md. PHONE 328-2265

A SEWAGE DISPOSAL SYSTEM LOCATED AT \_\_\_\_\_

SUBDIVISION \_\_\_\_\_ ROAD 4509 Centennial Lane LOT \_\_\_\_\_  
aprox. 2 miles off Rt. 144

PROPERTY OWNER Bob Spedden

ADDRESS \_\_\_\_\_

SPECIFICATIONS - REPAIR 2 bedrooms  
7 acres

DRAIN FIELD \_\_\_\_\_ DEPTH \_\_\_\_\_ FEET, BOTTOM AREA \_\_\_\_\_ SQ. FT.

SEEPAGE PITS \_\_\_\_\_ ABSORBENT SIDE-WALL AREA \_\_\_\_\_ SQ. FT.

SEPTIC TANK CAPACITY 1,000 GALLONS

install tank, don't cover tank and pipe in and out so  
FOR GARBAGE GRINDER, INCREASE DISPOSAL AREA 22% & TANK CAPACITY 50%. it can be seen.

OTHER REPAIR - Call for inspection when ground is opened up so Sanitarian can

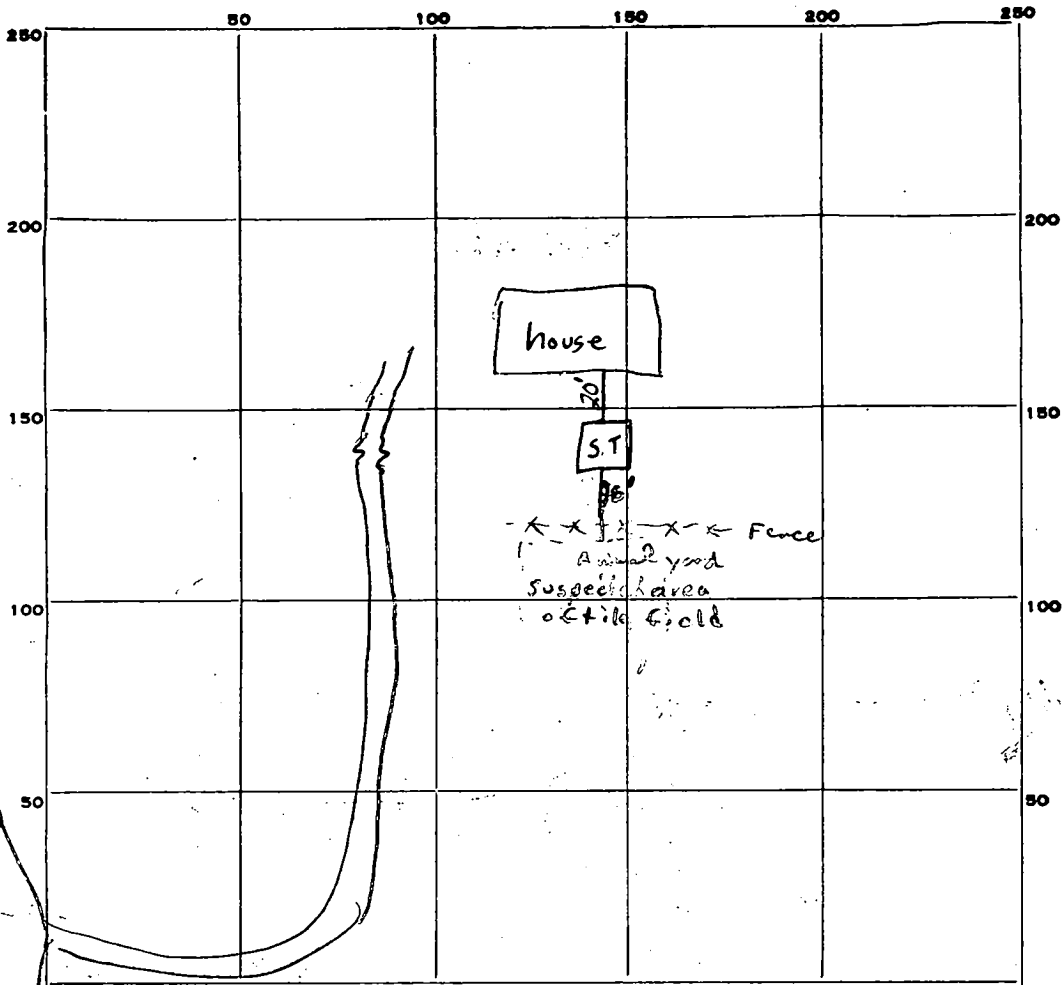
recommend repair system. Permission is granted if you want to wait a few days to see  
if any repair is needed. FF

PLANS APPROVED BY Palmer F. Wine DATE 6/7/74

FILL SEPTIC TANK AND DISTRIBUTION BOX WITH WATER BEFORE CALLING FOR AN INSPECTION. COVER NO WORK UNTIL INSPECTED AND APPROVED.

NEITHER THE HOWARD COUNTY COMMISSIONERS NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

P 20014



PERMIT CARD  Signed cover all work

SEPTIC TANK, LEVEL  1000 gal

CLEANOUTS  S.T.

DISTRIBUTION BOX, LEVEL \_\_\_\_\_

TILE FIELD, DEPTH \_\_\_\_\_ FT. TRENCH WIDTH \_\_\_\_\_ FT.

GRAVEL DEPTH \_\_\_\_\_ IN. TOTAL LENGTH \_\_\_\_\_ FT.

NUMBER OF TRENCHES \_\_\_\_\_ TOTAL BOTTOM AREA \_\_\_\_\_

SEEPAGE PITS, INSIDE DIAMETER \_\_\_\_\_ FT. DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS 6/13/74 New septic tank installed but cleanouts not on yet  
 @ Cast iron pipe not installed and cemented in. F.S.  
 6/13/74 Re-inspection revealed all work O.K. cover all work. F.S.

DATE SYSTEM APPROVED 6/13/74

INSPECTOR *[Signature]*

11/3/95  
101.00

# APPLICATION

REPAIR FEE ONLY. CW

PERCOLATION TESTING

A \_\_\_\_\_

BUILDER REPORTS:

P 50948

FOR REPLACEMENT DWELLING

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

EXISTING SYSTEM TO BE  
ABANDONED - IS IN CONFLICT  
WITH NEW HOUSE LOCATION.

DISTRICT \_\_\_\_\_

DATE 10/27/95

CONDITION OF WELL IS SUSPECT,  
PUBLIC WATER LIKELY AVAILABLE

BUT PUBLIC SEWER IS NOT "REASONABLY" AVAILABLE  
BECAUSE IT IS OVER 1000' TO POINT OF CONNECTION.

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Robert H. & Helen W. Spedden

ADDRESS 4509 Centennial Lane PHONE 410-465-3424  
ELLICOTT CITY MD. 21042

AGENT OR PROSPECTIVE BUYER aka Custom Concepts, Inc.

ADDRESS 3071 Bethany Ln. PHONE 410-461-0088  
ELLICOTT CITY, MD 21042

PROPERTY LOCATION:

SUBDIVISION \_\_\_\_\_ LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION 4509 Centennial Lane, ELLICOTT CITY, MD 21042

Sewer # 62640  
BLDG. PERMIT SIGNED  
AND RETURNED 12-1-95  
3 BRMS

TAX MAP 30 PARCEL # 5

SIZE OF LOT 6.55 Acres TYPE BLDG. 3 BR Single Family Dwelling  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT.

Custom Concepts Inc. / James Altman  
(SIGNATURE OF APPLICANT)

APPROVED BY [Signature] FOR \_\_\_\_\_ DATE 11/27/95

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

HOLD PENDING FURTHER TESTS \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

## THIS IS NOT A PERMIT

P 50948

COUNTY #

SOIL PROFILE

0' **B**

TOPSOIL

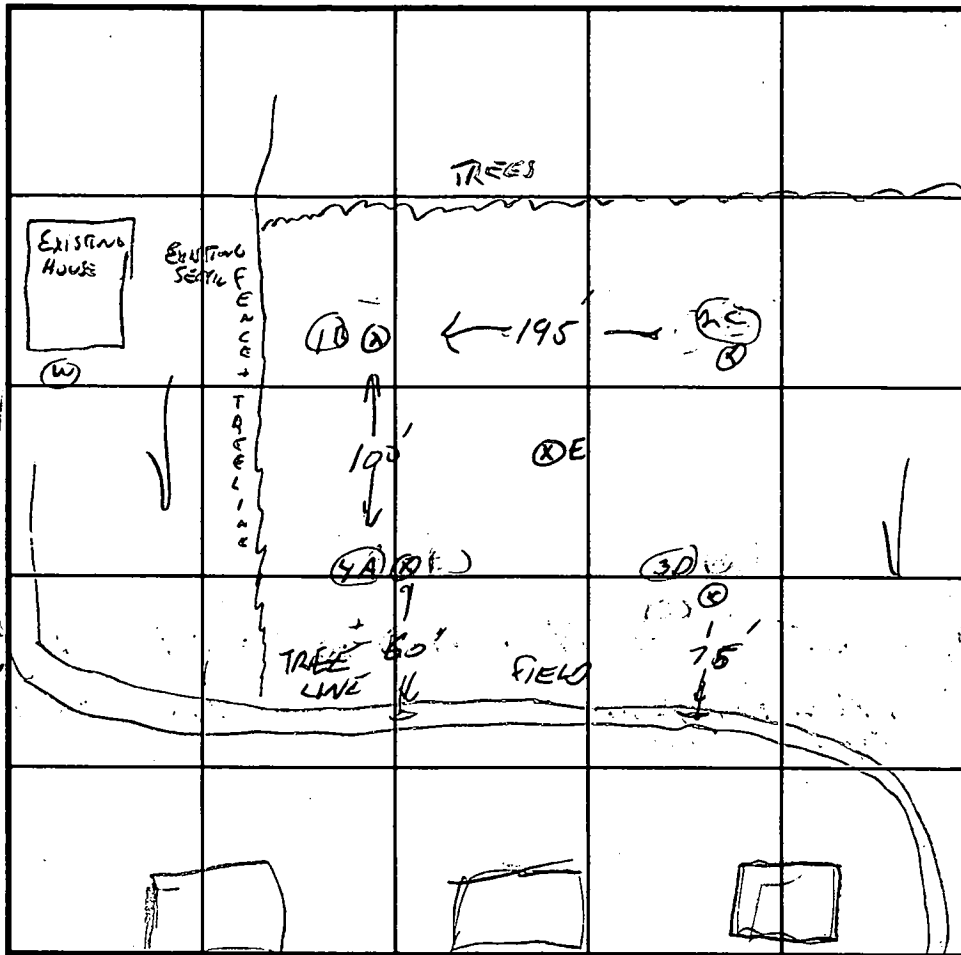
BROWN  
MHAZEUS  
SANDY  
SILT  
CLAY

SOIL PROFILE

0' **A**

TOPSOIL

BROWN  
MHAZEUS  
CLAY  
SILTY  
CLAY  
LOAM



**C**

TOPSOIL

BROWN  
MHAZEUS  
SILT  
CLAY

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

← N ← CENTENNIAL LANE →

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/6/95	OR TO 116 A4	5'6"	10:10	10:12	10:12	10:15	3 MIN
		4'	10:20	10:26	NO MOVEMENT		
	OK TO 116 B1						
	OK TO 116 C2	4'	10:29	10:34	10:34	10:44	10 MIN
		7'	10:29	10:30	10:30	10:33	3 MIN
	OK TO 12 D3	5'	10:46	10:47	10:47	10:49	2 MIN

**D**

SIMILAR  
SITS  
PREVIOUS

58  
SAMPLE  
FRAGS

REMARKS INLET AT 5.5", E VISUAL SIMILAR TO A, B, C, OK.

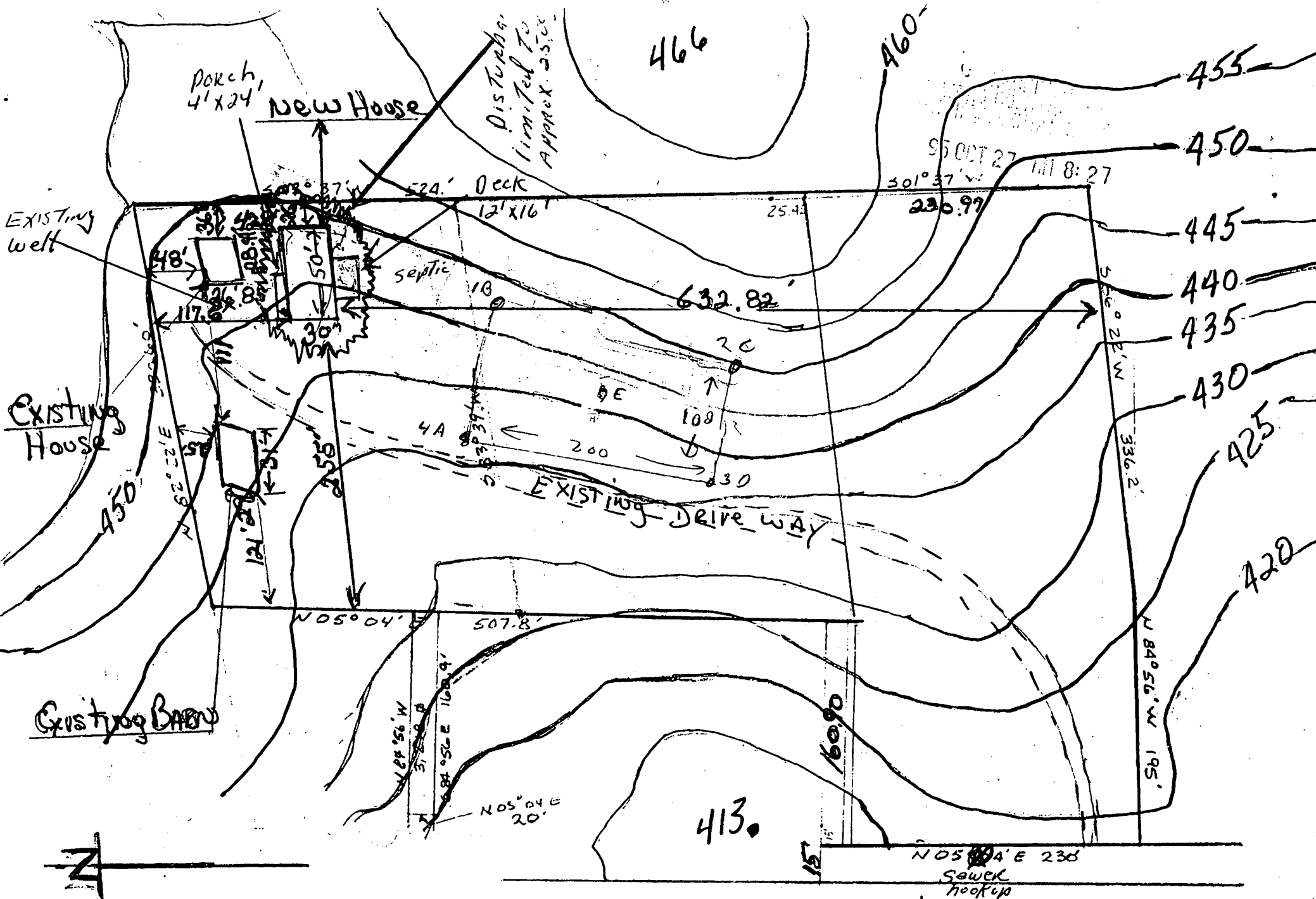
TYPE OF SOIL \_\_\_\_\_

TESTED BY G. SAVAGE ALSO PRESENT KESTERMAN OWNER

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 3 MIN TRENCH WIDTH 3

INLET DEPTH 5.5" MAXIMUM BOTTOM DEPTH 7'1" SQ. FT./BEDROOM 180

34  
65  
3  
5



300 Start  
400  
150  
250  
Wall etc  
Grade Survey

4509 CENTENNIAL LANE - ROBT SPEDDEN

10 Days



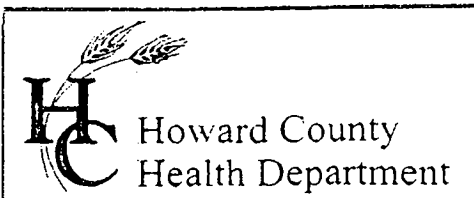
12/11/00 - Spoke to Mr. Spedden  
Ex. Drilled Well was  
only "capped but not sealed"  
I discussed that the well  
should be sealed and our  
policy w/ well drillers.

Property is connected to  
public H<sub>2</sub>O. Owners plan  
on sealing well when they  
demolish old house and  
should contact us.

D O

NOT DISCARD

SRTK



3525 H Ellicott Mills Drive, Ellicott City, MD 21043  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: [www.hchealth.org](http://www.hchealth.org)

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Penny E. Borenstein, M.D., M.P.H., Health Officer

December 18, 2002

Mr. Robert Spedden  
4509 Centennial Lane  
Ellicott City, MD 21042

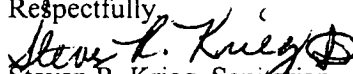
RE: **Well Abandonment**  
4509 Centennial Lane

Dear Mr. Spedden:

The purpose of this letter is to follow up on the phone conversation I had with you on December 11, 2000. At that time your property was connected to Public Water and you were informed that your old well would have to be **abandoned & sealed**. You informed me that you would abandon and seal the well once your old house was demolished, and that you would contact this office once that was done.

As of the above date this office has not received any such notification. If you have had the well abandoned and sealed by a Licensed Well Driller, please instruct them to send in the Well Abandonment Form. If the old well has not been abandoned and sealed at this time, please inform us of your intentions in this matter. If you would like to discuss this further please call me at (410) 313-1771.

Thank you in advance for your cooperation.

Respectfully,  
  
Steven R. Krieg, Sanitarian  
Water and Sewerage Program

cc: DILP  
File



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HOWARD COUNTY HEALTH DEPARTMENT

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Joyce M. Boyd, M.D., County Health Officer

January 24, 1996

Mr. James Schnider  
Custom Concepts, Inc.  
3071-3081 Bethany Lane  
Ellicott City, MD 21042

RE: Building Permit #62640, single family dwelling  
4509 Centennial Lane  
Ellicott City, MD 21042

Dear Mr. Schnider:

The above referenced building permit was issued with the following understanding:

Upon completion of the above referenced home, it is expected that you will be connected to public water. Your existing well would then need to be properly abandoned. Well abandonment procedures are to be performed by a licensed well driller or under the supervision of a Health Department sanitarian.

Occupancy approval could be delayed if this inspection is not completed in a timely manner.

Thank you for your cooperation. If you have any questions, please do not hesitate to call me.

Sincerely yours,

*Glen Savage*  
Glen Savage  
Water and Sewer Program  
Bureau of Environmental Health

CC: Robert and Helen Spedden  
Licenses and Permits  
file

GS\hh

F:\wp51\temp\hh\occuappr.gs

SHOULD HAVE  
SBOC APPROVAL DATE  
& WELL ABANDONMENT  
DATE IN  
AN OCCUPANCY LETTER



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

November 8, 1995

James Schnider
Custom Concepts Inc.
3071 Bethany Lane
Ellicott City, MD 21042

RE: PERCOLATION TEST RESULTS
APPLICATION # P50948
PROPOSED USE: Repair on recorded lot
Spedden Property
4509 Centennial Lane

Dear Mr. Schnider:

Percolation testing conducted November 6, 1995 on the above referenced property indicated satisfactory soil conditions.

Copies of the percolation test results are enclosed.

Further review is contingent upon submission by a registered engineer of a percolation certification plat showing actual locations and elevations of all excavated test holes and a suitable house and well site. The plat should also include the location of all existing wells and septic systems on the property as well as the location of any other relevant features such as streams, swales, or existing structures. A note must be included certifying that all wells and septic systems within 100' of property boundaries have been shown.

This "form" response is written with the assumption that there will be a percolation certification plan that precedes septic system plans. In this case there would be no objection if the two plans are combined. Plans for abandonment of the existing well and septic system should be included in this proposal.

This should be submitted within sixty (60) days to allow field verification if necessary. If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 313-2640.

Very truly yours,

Glen Savage, Sanitarian
Water and Sewerage Program

PERC PLAT OK 11/29/95

SEPTIC ABANDONED WITH CONTRACTORS

CERTIFICATION SEE LETTER OF JAN 3, 1996

GS:rc
Enclosures
cc: Keith Fralic
Robert H. Spedden
File

A WELL STILL TO BE ABANDONED, SEE ALSO OUR LETTER OF JAN 29 TO APPLICANT



DEPARTMENT OF PLANNING & ZONING

Joseph W. Rutter, Jr., Director

Name Robert H. & Helen W. Spedden Date 10/23/95  
Address 4509 Centennial Lane  
City, St. Ellicott City, Md. 21042

Dear Sir:

This letter shall serve as permission to construct a new dwelling at 4509 Centennial Lane prior to removal of the existing dwelling. As you may be aware, the Howard County Zoning Regulations permit one single family detached dwelling unit per lot. Therefore, this temporary approval is being granted for six months or until issuance of the final use and occupancy permit, whichever may occur first. Should any delays necessitate an extension, you must contact this Department in writing prior to the deadline in order to request an extension of time.

Upon the issuance of either a temporary or final use and occupancy permit for the new dwelling the previously existing house must be removed. Failure to remove the original dwelling unit within the specified time frame will result in enforcement action by Howard County as authorized under Section 102 of the Howard County Zoning Regulations. This enforcement action may include but not be limited to Civil Fines or the removal of the house by the County at the owner's expense.

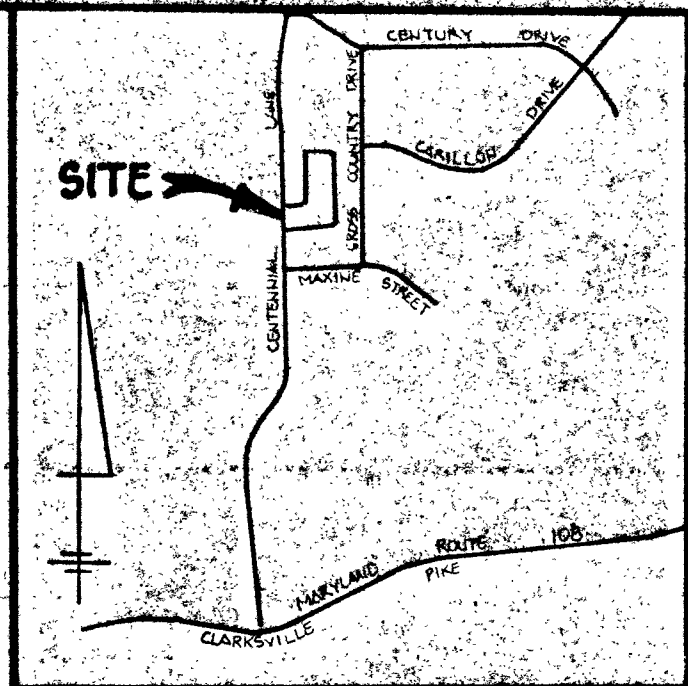
The Department of Planning and Zoning will approve a permit for the construction of a new dwelling on the subject property upon the receipt of a copy of this letter containing the signatures of all those individuals having a legal interest in this property, conditioned upon the approval of any and all necessary permits. A copy of this letter should be attached to and made part of your application for a building permit application for the construction of the new dwelling unit. A demolition permit for the existing house also must be applied for at the same time. Should you have any questions regarding this matter, please contact the Department of Planning and Zoning at 313-2393.

Sincerely,

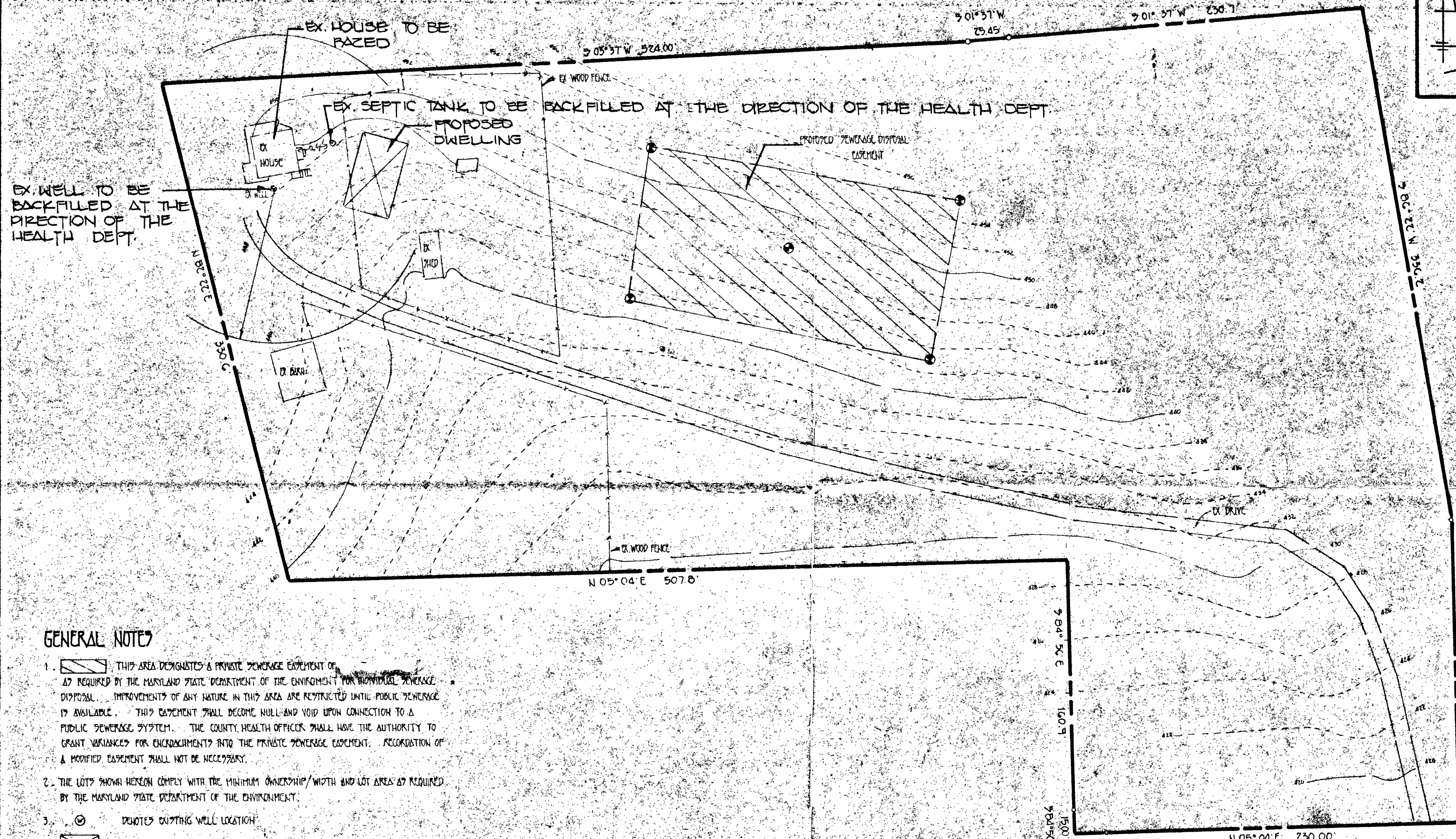
Owner(s) \_\_\_\_\_  
Signature(s) Robert H. Spedden  
Helen W. Spedden

William F. O'Brien, Chief  
Division of Zoning Administration  
and Enforcement





VICINITY MAP  
SCALE 1" = 2000'

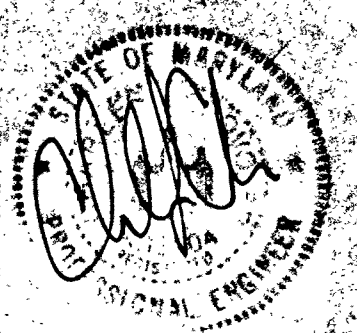


**GENERAL NOTES**

1. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
2. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP/WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
3. DENOTES EXISTING WELL LOCATION
4. DENOTES PROPOSED HOUSE LOCATION
5. DENOTES PERC HOLE
6. DENOTES FAILED PERC HOLE

CENTENNIAL LANE  
(PUBLIC ROAD)

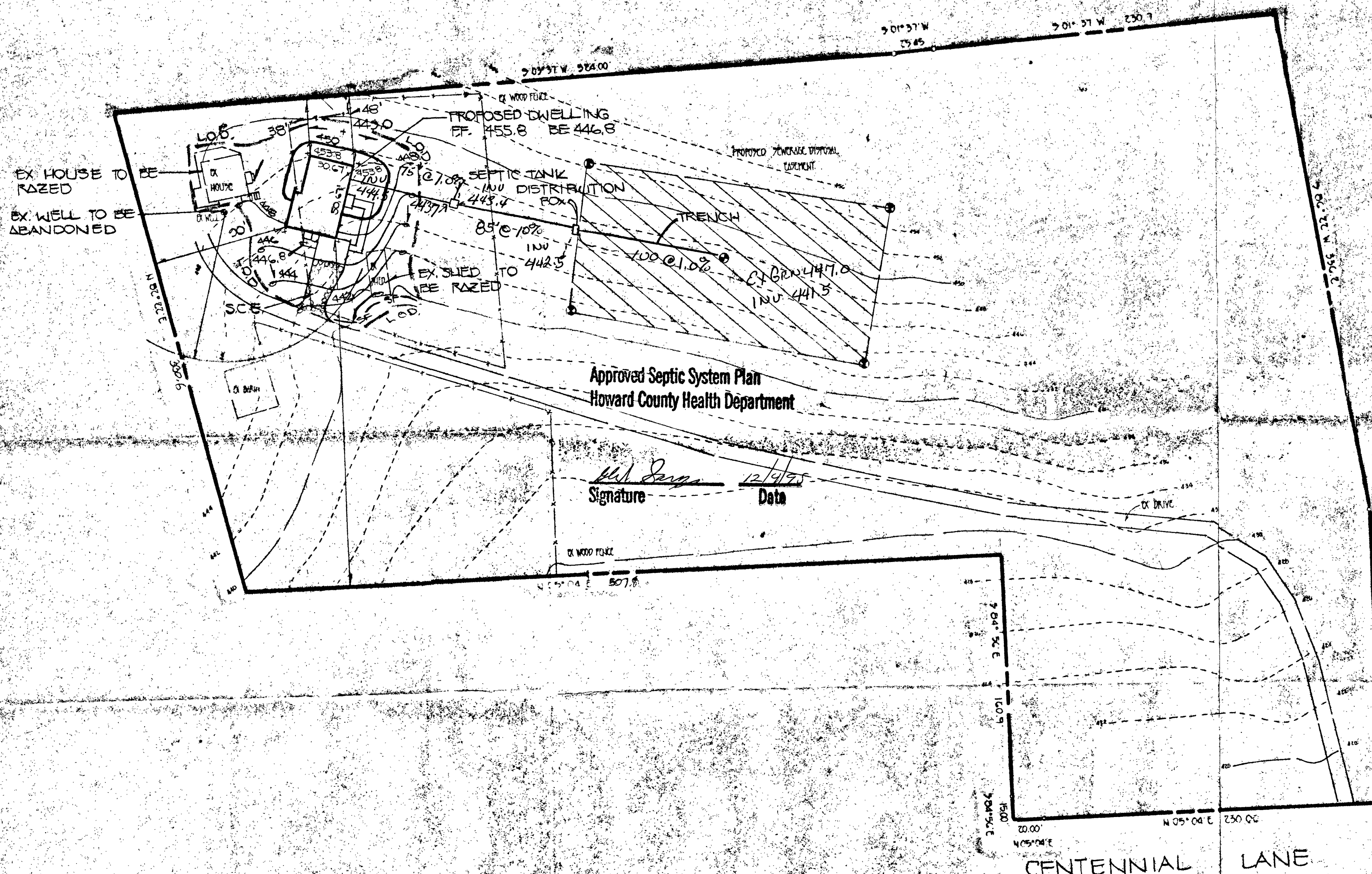
FISHER COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK  
10272 BALTIMORE NATIONAL PIKE  
ELLICOTT CITY MARYLAND 21047  
PHONE (410) 461-2855; FAX (410) 750-3784



APPROVED FOR PUBLIC WATER AND PRIVATE SEWAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*Jacqueline Hill* 11-27-98  
COUNTY HEALTH OFFICER DATE

PERC CERTIFICATION APPLICATION  
**SPEDDEN PROPERTY**  
TAX MAP 30 FIFTH ELECTION DIST.  
SCALE: 1" = 50'  
PARCEL 5  
HOWARD COUNTY, MARYLAND  
DATE: NOV. 14, 1995





**ENGINEER'S CERTIFICATE**

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 CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER: \_\_\_\_\_ DATE: \_\_\_\_\_

**DEVELOPER'S CERTIFICATE**

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES 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 OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

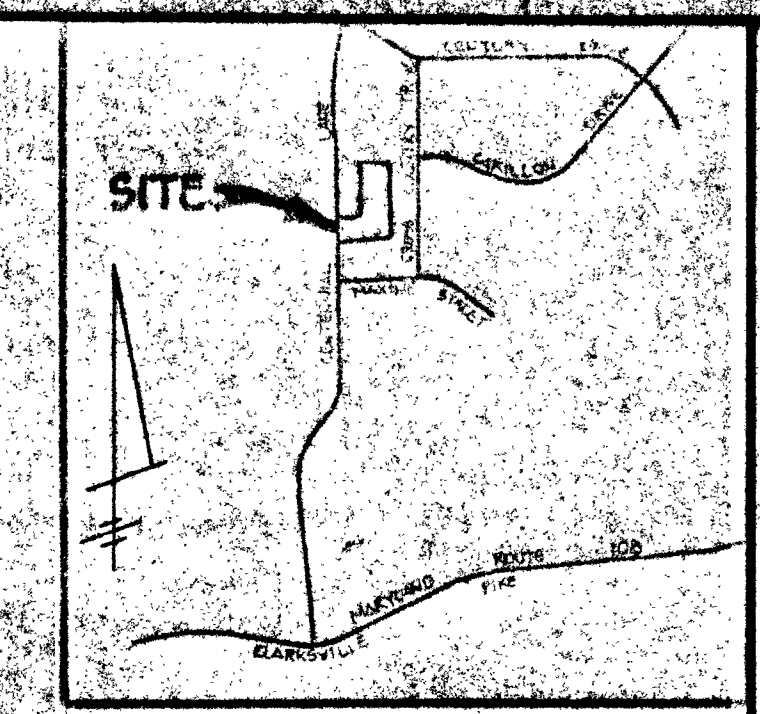
SIGNATURE OF DEVELOPER: \_\_\_\_\_ DATE: \_\_\_\_\_

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

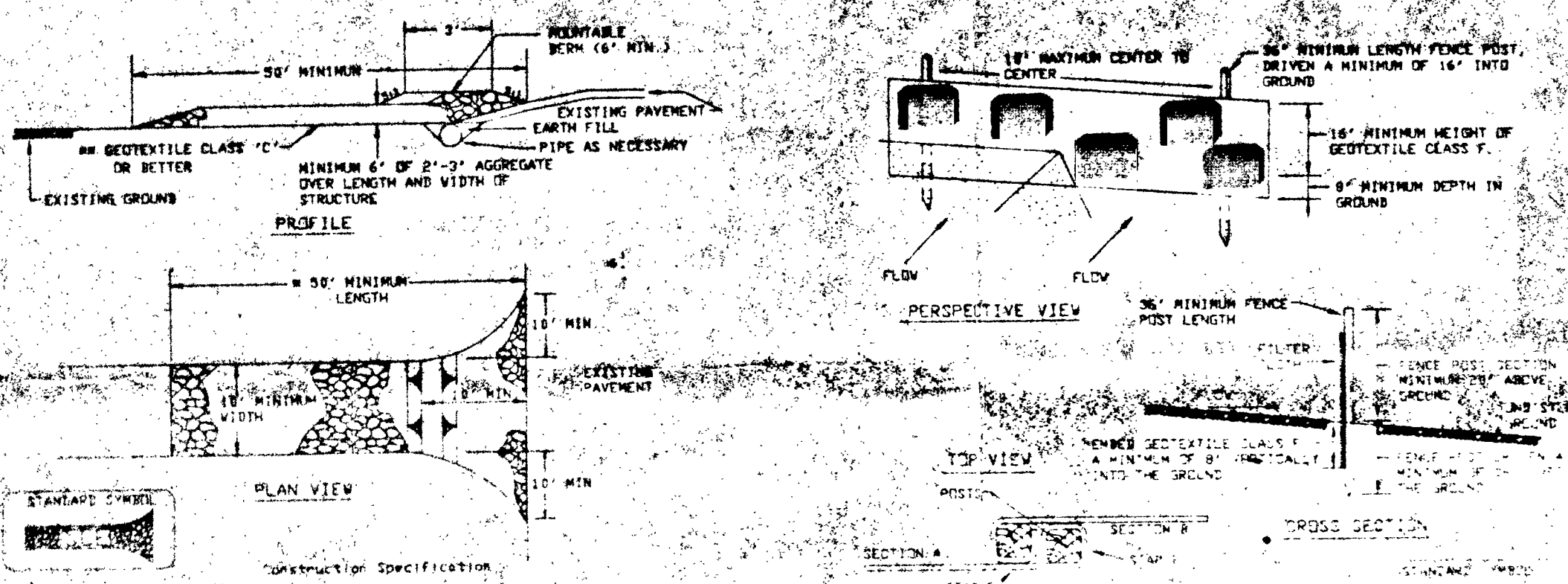
U.S. SOIL CONSERVATION DISTRICT: \_\_\_\_\_ DATE: \_\_\_\_\_

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

DISTRICT HOWARD SOIL CONSERVATION DIST. DATE: \_\_\_\_\_



**CENTENNIAL LANE**



- Length - minimum of 50' (30' for single residence lots).
  - Width - 15' minimum, should be placed at the existing road to provide a turning radius.
  - Structure - Fabric of 12' cloth shall be placed over the existing ground prior to installing stone. Stone plan approval authority may not require single family residences to use geotextile.
  - Stone - crushed aggregate (2" to 3") or recycled concrete. Geotextile fabric shall be placed at least 6" deep over the length and width of the entrance.
  - Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance. No retaining or positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a portable berm with 3:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SEE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
  - Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.
- SILT FENCE**  
NOT TO SCALE
- CONSTRUCTION SPECIFICATIONS
- Fence posts shall be a minimum of 36" long driven 24" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (min. max. 2 1/2" x 2 1/2" square) (min. max. 2 1/2" x 1 1/2") round and shall be of sound quality hardwood (2 1/2" posts will be standard) or a section weighting not less than 1.00 pound per linear foot.
  - Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:
 

Tensile Strength	50 lbs/in. (min.)	Test: NMT 509
Tensile Modulus	25 lbs/in. (min.)	Test: NMT 509
Flow Rate	8.2 gal. / sq. ft. / minute (max.)	Test: NMT 302
Filtration Efficiency	75% (min.)	Test: NMT 302
  - Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
  - Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

- SEQUENCE OF CONSTRUCTION**
- OBTAIN GRADING PERMIT.
  - INSTALL SEDIMENT CONTROLS AS SHOWN ON PLAN.
  - PERFORM NECESSARY GRADING AND STABILIZE THE SITE.
  - AFTER THE SITE IS STABILIZED AND PERMISSION IS GRANTED FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE ANY REMAINING DISTURBED AREAS.
- TEMPORARY SEEDING NOTES**
- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE DISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
- PERMANENT SEEDING NOTES**
- ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:
- SEEDBED PREPARATION**
- LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING, OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
- SOIL AMENDMENTS**
- APPLY TWO TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1,000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (14 LBS./1,000 SQ.FT.) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL AT TIME OF SEEDING.
- APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (19 LBS./1,000 SQ.FT.) AND 500 LBS. PER ACRE (115 LBS./1,000 SQ.FT.) OF 10-20-20 FERTILIZER.
- SEEDING**
- FOR THE PERIODS MARCH 1 THROUGH APRIL 30 AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (20 LBS./1,000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 80 LBS./ACRE (16 LBS./1,000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (40 LBS./1,000 SQ.FT.) OF WHEAT. LOVEGRASS DURING THE PERIOD OF OCTOBER 15 THROUGH FEBRUARY 28. PROJECT SITE BY OPTION (1) - TWO (2) PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE SOLO OPTION (1) SEED WITH 100 LBS. ACRES KENTUCKY 31 TALL FESCUE AND MULCH WITH 100 TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEED.
- MULCHING**
- APPLY 1/2 TO 2 TONS PER ACRE (170 TO 90 LBS./1,000 SQ.FT.) OF UNMOTTLED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 100 GALLONS PER ACRE (5 GAL./1,000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER USE 240 GALLONS PER ACRE (18 GAL./1,000 SQ.FT.) FOR ANCHORING.
- MAINTENANCE**
- INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
- \* FOR PUBLIC PONDS SUBSTITUTE CHEVUNG CROWWEATCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.

- SEEDING CONTROL NOTES**
- A MINIMUM OF 30 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (315-1950).
  - ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERE TO.
  - FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: (1) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES, PERMETRIC SLOPES AND ALL SLOPES STEEPER THAN 3:1 BY A DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
  - ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 3, CHAPTER 12 OF THE HOWARD COUNTY DESIGN MANUAL, EROSION DRAINAGE.
  - ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1989 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 511.500 (SEC. 54) TEMPORARY SEEDING (SEC. 501 AND MULCHING (SEC. 502) TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
  - ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
  - SITE ANALYSIS:
 

TOTAL AREA OF SITE	6.55 ACRES
AREA DISTURBED	0.85 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.21 ACRES
TOTAL CUT	0 CUBIC YARDS
TOTAL FILL	0 CUBIC YARDS
OFFSITE WASTE/BORROW AREA LOCATION	CUBIC YARDS
  - ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
  - ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
  - ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
  - TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OF THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHOSEVER IS SHORTER.
- 12. THIS PARCEL TO UTILIZE PUBLIC WATER AND PRIVATE SEWER.**

**GENERAL NOTES**

- SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT.
- PROPOSED 1000 GALLON SEPTIC TANK.
- |   |       |
|---|-------|
| A. FIRST FLOOR ELEVATION:                 | 455.8 |
| B. BASEMENT ELEVATION:                    | 446.8 |
| C. ELEVATION OF SEPTIC SYSTEM AT HOUSE:   | 448.0 |
| D. INVERT IN AT SEPTIC TANK:              | 442.5 |
| E. PROPOSED GRADE OVER SEPTIC TANK:       | 446.0 |
| F. INVERT AT DISTRIBUTION BOX:            | 447.0 |
| G. EXISTING GROUND OVER DISTRIBUTION BOX: | 447.0 |
- LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
- CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.

PLAN TO ACCOMPANY APPLICATION  
FOR BUILDING PERMIT

**SPEDDEN PROPERTY**

TAX MAP 30 PARCEL 5  
FIFTH ELECTION DIST. HOWARD COUNTY, MARYLAND  
SCALE: 1" = 50' DATE: NOV 14, 1995