

APPLICATION

HOWARD COUNTY

SERIAL NUMBER

# PERMIT APPLICATION

DEPARTMENT OF INSPECTIONS, LICENSES & PERMIT  
3430 COURT HOUSE DRIVE, ELLICOTT CITY, MARYLAND 21043

61181

BUILDING ADDRESS (HOUSE NO., STREET, TOWN OR AREA)

5558 Landing Rd  
Elkridge MD 21227

GRADING/SEDIMENT CONTROL  YES  NO

SDP #

DESCRIPTION OF WORK AUTHORIZED

One Piece Fiberglass in  
ground Swimming Pool. 15' x 34'  
with OE Filter. 5' x 6' track  
Scared per code

LOT NO.	PARCEL NO.	SEC.	AREA	BLOCK NO.	LIBER	FOLIO
SUB DIVISION		ZONE	ZONE MAP	ELEC. DIST.	CENSUS TR.	

OWNER NAME AND ADDRESS PHONE NO.  
 Fred & Barbara Johnson 410 796 4968  
 5558 Landing Rd  
 Elkridge MD 21227

SIZE OF BLDG.	FRONT	DEPTH	HEIGHT
		3-6	

OCCUPANT'S NAME AND ADDRESS PHONE NO.  
 Same

TYPE OF BLDG.	AREA	VOLUME	ROOF
B. ROOMS			
ROOMS			
BATHS			
FIREPLACES			

ARCHITECT OR ENGINEER'S NAME AND ADDRESS PHONE NO.  
 George H. Johnson A.E.A. 609-896-0430  
 7 Gordon Ave.  
 Lawrenceville N.J. 08648

FOOTINGS	FOUNDATION	S. WALLS

CONTRACTOR'S NAME AND ADDRESS PHONE NO.  
 Islander Pools U.S.A. Inc. 1-800-231-5678  
 3303 Route 1 South  
 Lawrenceville N.J. 08648

UTILITIES					
WATER/WELL	SEWER/SEPTIC	GAS	ELECTRICITY	TYPE OF HEAT	AC

I have carefully examined and read this application and know the same is true and correct, and that in doing this work, all provisions of Howard County Ordinances and the State Laws of Maryland will be complied with, whether specified or not; and I will notify the Department of Inspections, and Permits twenty-four hours in advance when I am ready for the inspections called for elsewhere in the application; and that no work will be covered up until such inspections have been completed with.

EXISTING USE PROPOSED USE  
 Single Family Dwelling Same with Pool

EST. CONSTRUCTION COST LICENSE NUMBER PERMIT FEE  
 6,000.00 38764

SIGNATURE DATE  
 Home owner 8-7-95

FOR OFFICE USE ONLY

DISTRICT IN FEET FROM R/W LINE TO FRONT BUILDING LINE \_\_\_\_\_  
 SIDE YARD (DISTANCE IN FEET FROM SIDE BLDG. LINE TO SIDE PROPERTY LINE) \_\_\_\_\_  
 TO SIDE BUILDING LINE \_\_\_\_\_  
 DISTANCE IN FEET, REAR YD. REQUIRING SET \_\_\_\_\_  
 BACK (CORNER LOT ONLY) \_\_\_\_\_ SDP # \_\_\_\_\_

FUNCTION	DATE	SIGNATURE APPROVAL
ZONING/PLANNING	X	
SHA		
SEDIMENT/GRADING		
BUILDING OFFICIAL	X	
WATER & SEWER		
HEALTH DEPT.	8/9/95	C. Aguilera
FIRE PROTECTION		
STORM WATER MGMT.	X	

Check payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY

**CAUTION**  
 To begin construction before a permit placard has been issued and displayed on the job is a violation of the law.  
 Use and occupancy permit must be applied for two weeks before it will be issued.

IMPORTANT: PLEASE SHOW ZIP CODES AND AREA CODES WHEREVER REQUIRED.

APPROVED

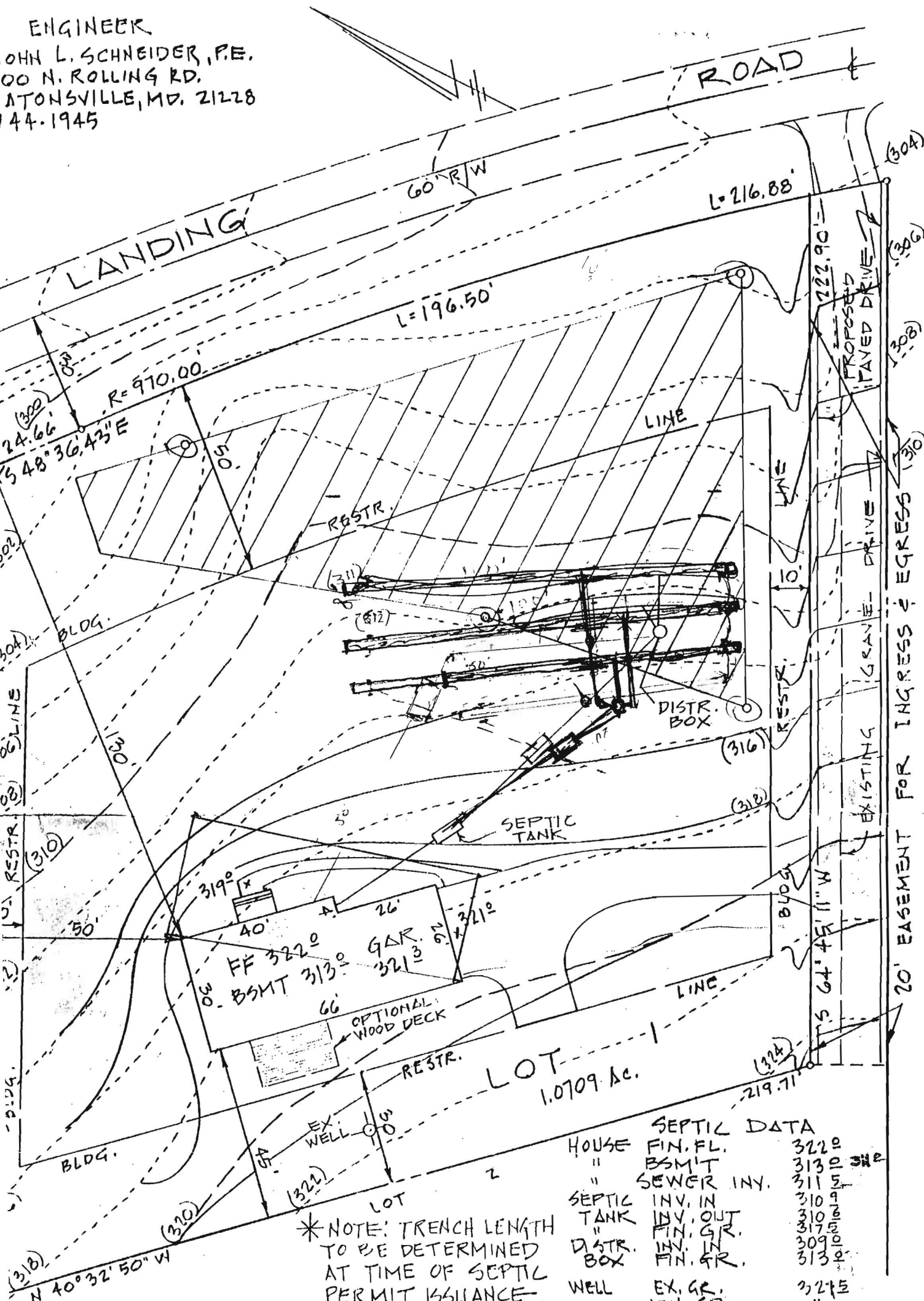
DATE

LP-69-591

Distribution of Copies:  
 White - Building Official  
 Green - Planning & Zoning

Yellow - Engineering  
 Pink - Health Dept.  
 Gold - S.H.A.

ENGINEER  
 JOHN L. SCHNEIDER, P.E.  
 600 N. ROLLING RD.  
 ATONSVILLE, MD. 21228  
 1-44-1945



\*NOTE: TRENCH LENGTH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.

	SEPTIC DATA
HOUSE FIN. FL.	322.0
" BSMT	313.0
" SEWER INV.	311.5
SEPTIC INV. IN	310.5
" INV. OUT	310.5
" FIN. GR.	317.5
DISTR. INV. IN	309.0
BOX FIN. GR.	313.0
WELL EX. GR.	327.5
" FIN. GR.	"

5558 Landing Rd.

# GRADING STUDY

LOT 1 "DAVIS PROPERTY" SUBDIVISION

1st ELECTION DISTRICT

HOWARD COUNTY, MD.

SCALE: 1" = 30'

DATE: 5/9/90



5558



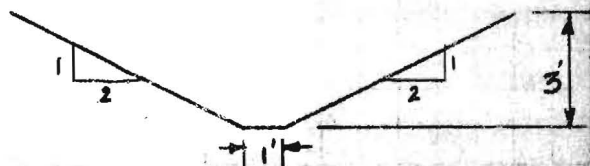
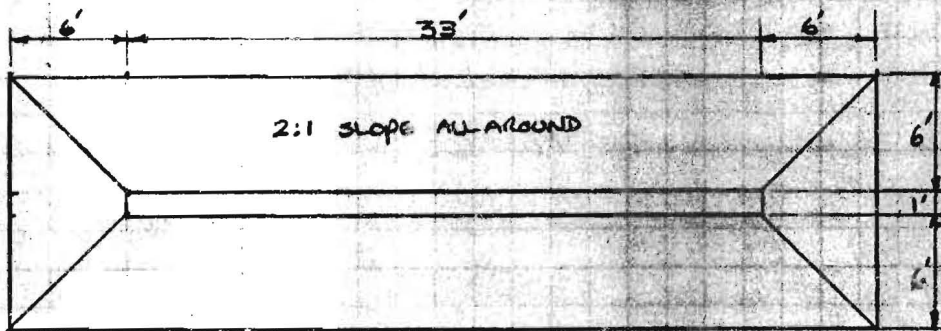
DUE TO SITE TOPOGRAPHY AND SUBSEQUENT PROPOSED GRADING, THE VOLUME OF RUNOFF THAT IS DIRECTED INTO THE WATER QUALITY INFILTRATION DITCH EXCEEDS THE ORIGINALLY ANTICIPATED CONTROLLED VOLUME. FURTHERMORE, DUE TO SOILS CONDITION, THE BOTTOM OF THE INFILTRATION DITCH SHOULD BE AT LEAST AT ELEVATION 300. THEREFORE, THE SIZE OF THE DITCH IS MODIFIED AS FOLLOWS:

REVISED DRAINAGE AREA TO INFILTRATION DITCH IS 0.18 AC. (AMOUNT OF INCREASE IN IMPERVIOUS AREA REMAINS UNCHANGED).

VOLUME OF 1ST 1/2" RUNOFF =

$$0.5 \times \frac{1}{12} \times 0.18 \times 43560 = 871 \text{ ft}^3$$

∴ PROVIDE DITCH WITH DIMENSIONS AS SHOWN BELOW:



TOTAL VOL. PROVIDED = 927 ft<sup>3</sup>



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DEPARTMENT OF PLANNING & ZONING

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Joseph W. Rutter, Jr., Director

43461

August 11, 1995

Mr. and Mrs. Fred Johnson  
5558 Landing Road  
Elkridge, MD 21227

RE: Address Change

Dear Mr. and Mrs. Johnson:

The purpose of this letter is to notify you regarding the correct street address for your property in accordance with the Howard County Street Address Grid System.

During a recent building permit review, it was found that you are using an incorrect house number. When the *Joe Davis Subdivision* was recorded in March of 1990, the house number on your lot was changed as follows:

<b>OLD/INCORRECT ADDRESS:</b>	5558 Landing Road
<b>NEW/CORRECTED ADDRESS:</b>	5580 Landing Road Tax Map 31, Grid 24, Parcel 237, Lot 1 Permit # 61181

This address change is effective upon receipt. The Department of Planning and Zoning will notify the agencies as copied below.

It is essential that you use the "corrected address" so that emergency response of fire, police and medical services to your location will not be inhibited. The County's 9-1-1 system, coupled with a computer-aided-dispatch system, bases responses according to street address.

(over)

In accordance with Section 16.400 of the Howard County Code, "Street Names and House Numbers," all buildings (commercial and residential) must have the correct street address displayed in a conspicuous place over or near the principal entrance. The numbers must be easily legible figures not less than two inches (2") high and in a color contrasting to their background. The Department of Fire & Rescue Services recommends reflective numbers.

If you have any questions, please contact Cindy DelZoppo at (410) 313-2354.

Sincerely,



Gina Tirinnanzi, Chief  
Division of Land Development and Research

File: 5580LNDG

GT/RIJ/j

**CERTIFIED MAIL / RECEIPT REQUESTED**

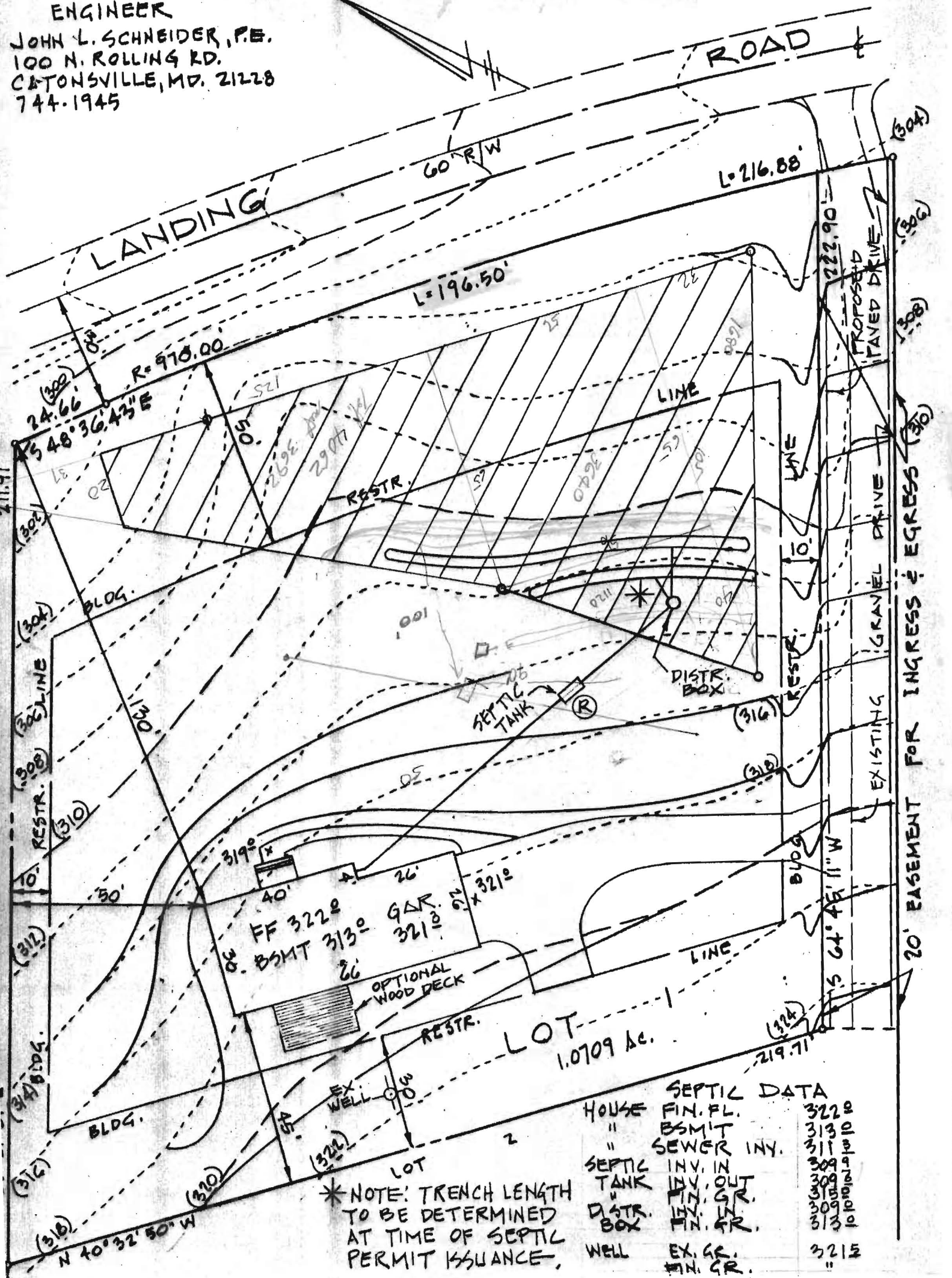
- cc: Department of Finance, Water Billing
- Department of Fire & Rescue Services
- Tax Assessment
- Bureau of Utilities
- Department of Inspections, Licenses and Permits
- Inspections Enforcement - Brenda Hill.
- Health Department**
- Election Board
- DPZ - Graphics - Mike White
- DPZ - Research
- DPZ - Bureau of Engineering, Utility Design
- DPZ - Bureau of Engineering, Land Development

Postmaster, Halethorpe, MD 21227-9998  
Bell Atlantic Maryland  
Baltimore Gas & Electric

95 AUG 18 PM 2:53

RECEIVED  
HEALTH DEPT  
AUG 11 1995

ENGINEER  
 JOHN L. SCHNEIDER, P.E.  
 100 N. ROLLING RD.  
 CATONSVILLE, MD. 21228  
 744-1945



\*NOTE: TRENCH LENGTH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.

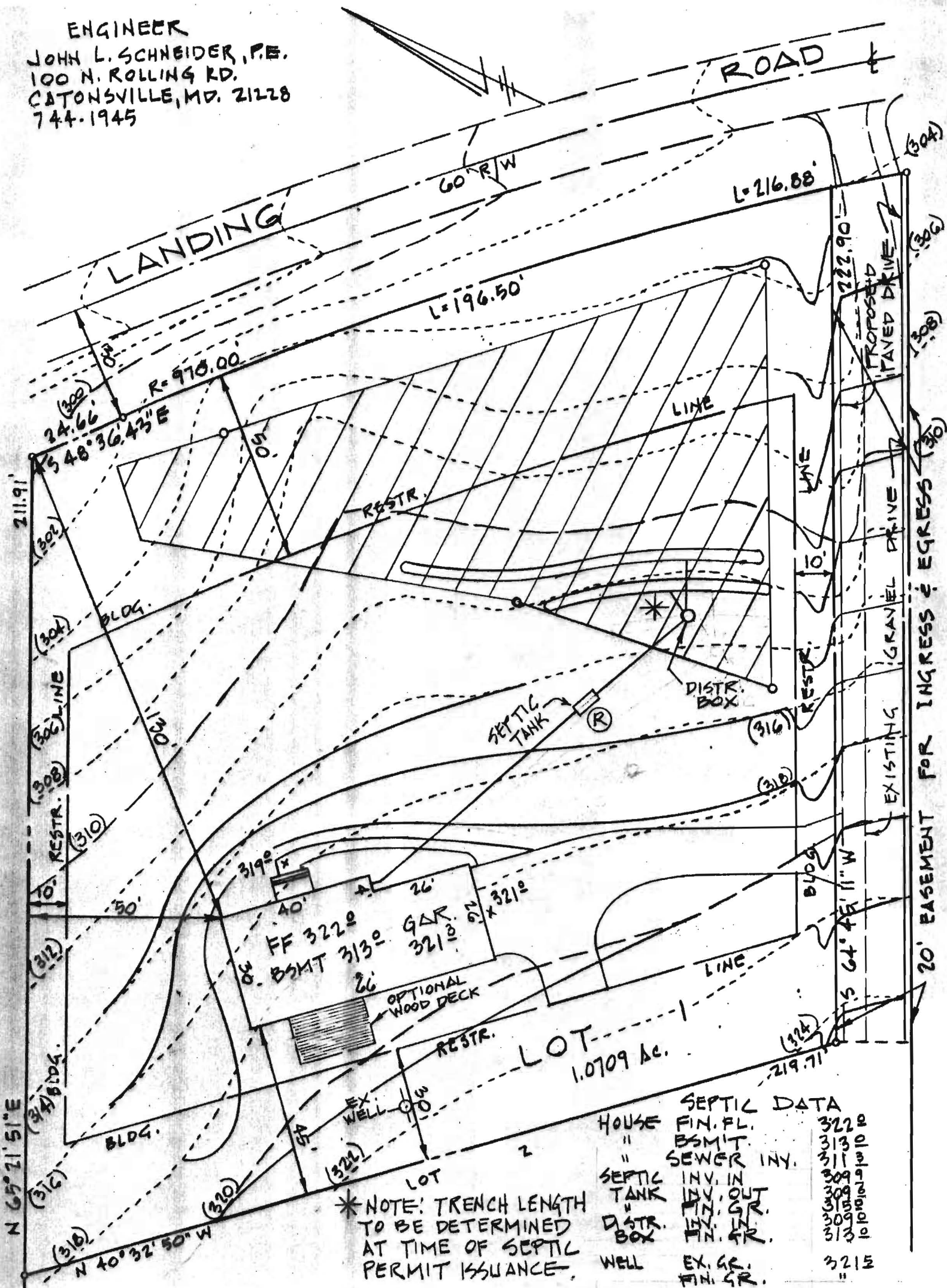
SEPTIC DATA	
HOUSE FIN. FL.	322.8
" BSMT	313.0
" SEWER INV.	311.0
SEPTIC TANK INV. IN	309.0
" INV. OUT	309.0
" IN. GR.	315.0
DISTR. BOX IN. GR.	309.0
" IN. GR.	313.0
WELL EX. GR.	321.5
" IN. GR.	"

(R) - REVISED 6/4/90 TO SATISFY 100' MIN. REQUIREMENT FROM WELL

<b>GRADING STUDY</b>		
LOT 1 "DAVIS PROPERTY" SUBDIVISION		
1 <sup>ST</sup> ELECTION DISTRICT		
HOWARD COUNTY, MD.		
SCALE: 1" = 30'	DATE: 5/9/90	

6/5/90 Revised Plans OK  
 R12

ENGINEER  
 JOHN L. SCHNEIDER, P.E.  
 100 N. ROLLING RD.  
 CATONSVILLE, MD. 21228  
 744-1945



\*NOTE: TRENCH LENGTH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.

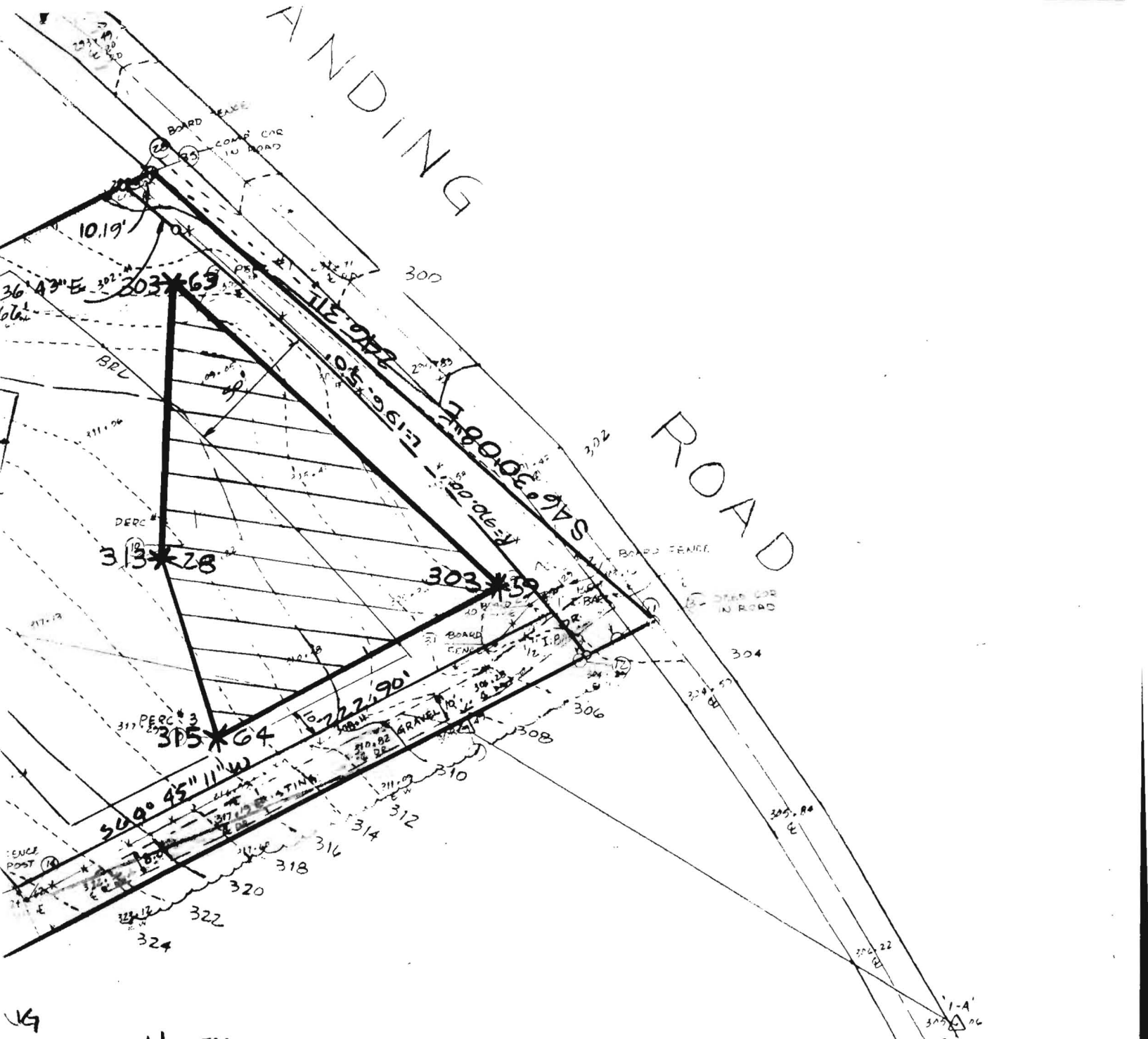
SEPTIC DATA	
HOUSE FIN. FL.	322.8
" BSMT.	313.0
" SEWER INY.	311.1
SEPTIC TANK INY. IN	309.9
" INY. OUT	315.0
DISTR. BOX INY. IN	309.0
" INY. OUT	313.0
WELL EX. GR.	321.5
" FIN. GR.	"

Ⓡ - REVISED 6/4/90 TO SATISFY 100' MIN. REQUIREMENT FROM WELL

<b>GRADING STUDY</b>	
LOT 1 "DAVIS PROPERTY" SUBDIVISION	
1 <sup>ST</sup> ELECTION DISTRICT	
HOWARD COUNTY, MD.	
SCALE: 1" = 30'	DATE: 5/9/90



6/5/90 Revised Plans  
 JLS



**NOTES:**

- 1) PERC AREA ON LOT 2 IS APPROVED ONLY FOR USE WITH EXISTING HOUSE ON LOT 2. IF EXISTING HOUSE IS TO BE RAZED AND A NEW HOUSE IS TO BE CONSTRUCTED, FURTHER PERC TESTING MUST BE PERFORMED SUCCESSFULLY BEFORE HEALTH DEPT. APPROVAL IS GRANTED FOR CONSTRUCTION OF A NEW HOUSE.
- 2) THE 2 PERC HOLES ON LOT 2 NEAREST THE EXISTING SEPTIC SYSTEM ARE FOR DRYWELL REPAIR ONLY.



*Gregory Shandberg*

LANE  
BLVD.  
343


VATE WATER  
JARD COUNTY

FIELD LOCATED PERC TEST PLAT  
DAVIS PROPERTY  
LOT 1  
1ST ELECTION DISTRICT  
HOWARD COUNTY, MD  
DATE = 04/07/89 SCALE =

DATE

REV. 5/19/1989

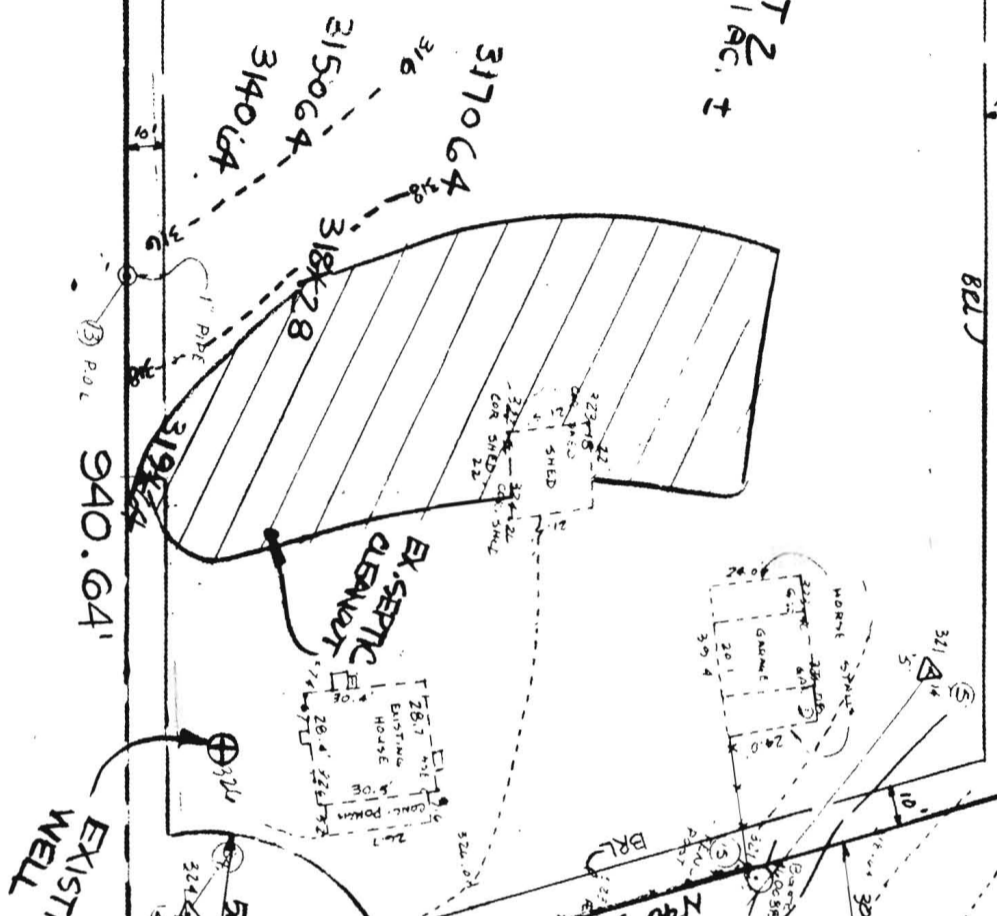
## NOTES

- 1.)  THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 19,000 ± AS REQUIRED BY THE MD. STATE DEPT. OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. 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 SEWAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
- 2) THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH & LOT AREA AS REQUIRED BY THE MD. STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE.
- 3) ○ DESIGNATES PERC TEST FAILED PER HOWARD COUNTY HEALTH DEPARTMENT NOTES.
- 4) B.R.L. DESIGNATES BUILDING RESTRICTION LINE
- 5) 303\*69 DESIGNATES SUCCESSFUL PERC TEST WITH ELEVATION
- 6.) TOPOGRAPHY SHOWN, FIELD-RUN BY SHANABERGER & LANE

SI-1A NARR  
8726 T

664° 45' 11" W

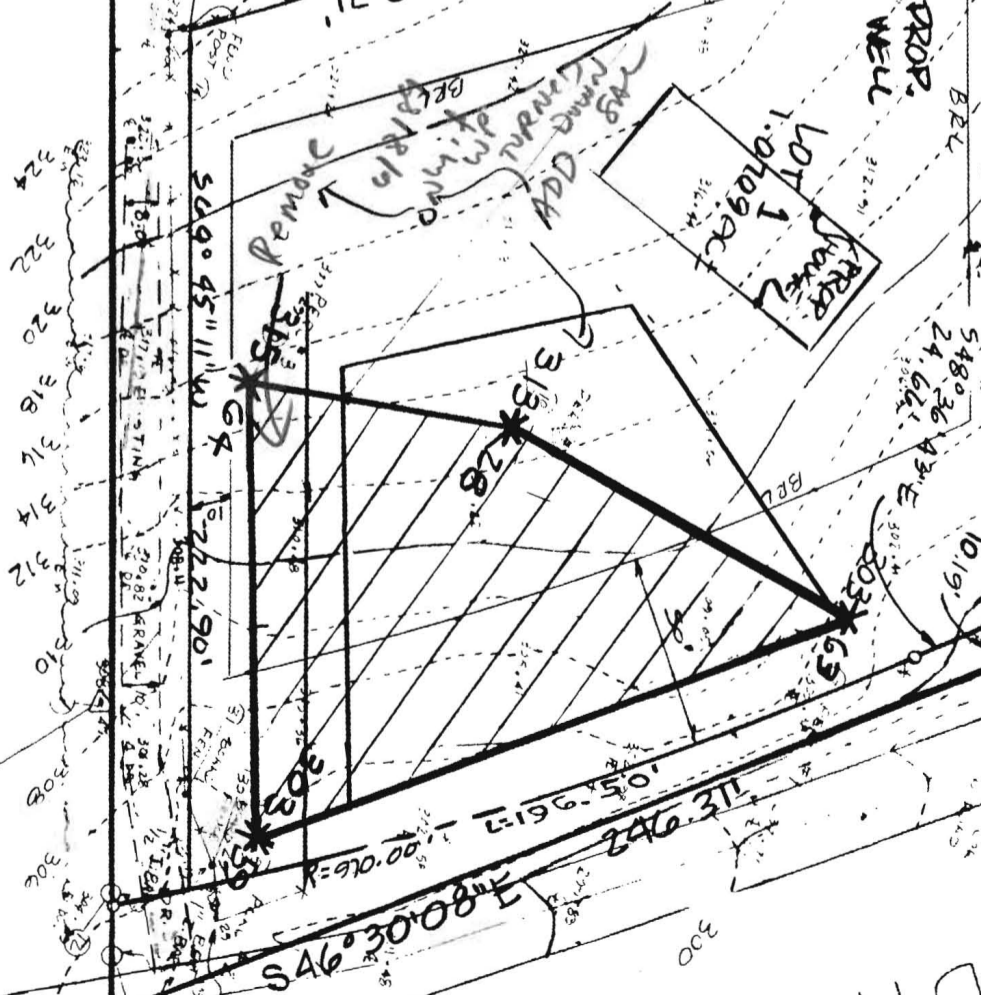
LOT 2  
4.71 AC. ±



EXISTING WELL

6/8/89  
 Conversation  
 Scott S. 20'  
 ROW TO LOT 2  
 by WP may  
 TURNED DOWN  
 50' would be a  
 Can SDA be  
 w/o Reperc.?  
 Yes OR on pa  
 move on high  
 Side only.  
 S. abn

NOTES:  
 1) PERC AREA  
 USE WITH  
 HDL



LANDING

**MAINTENANCE SCHEDULE FOR INFILTRATION DITCH**

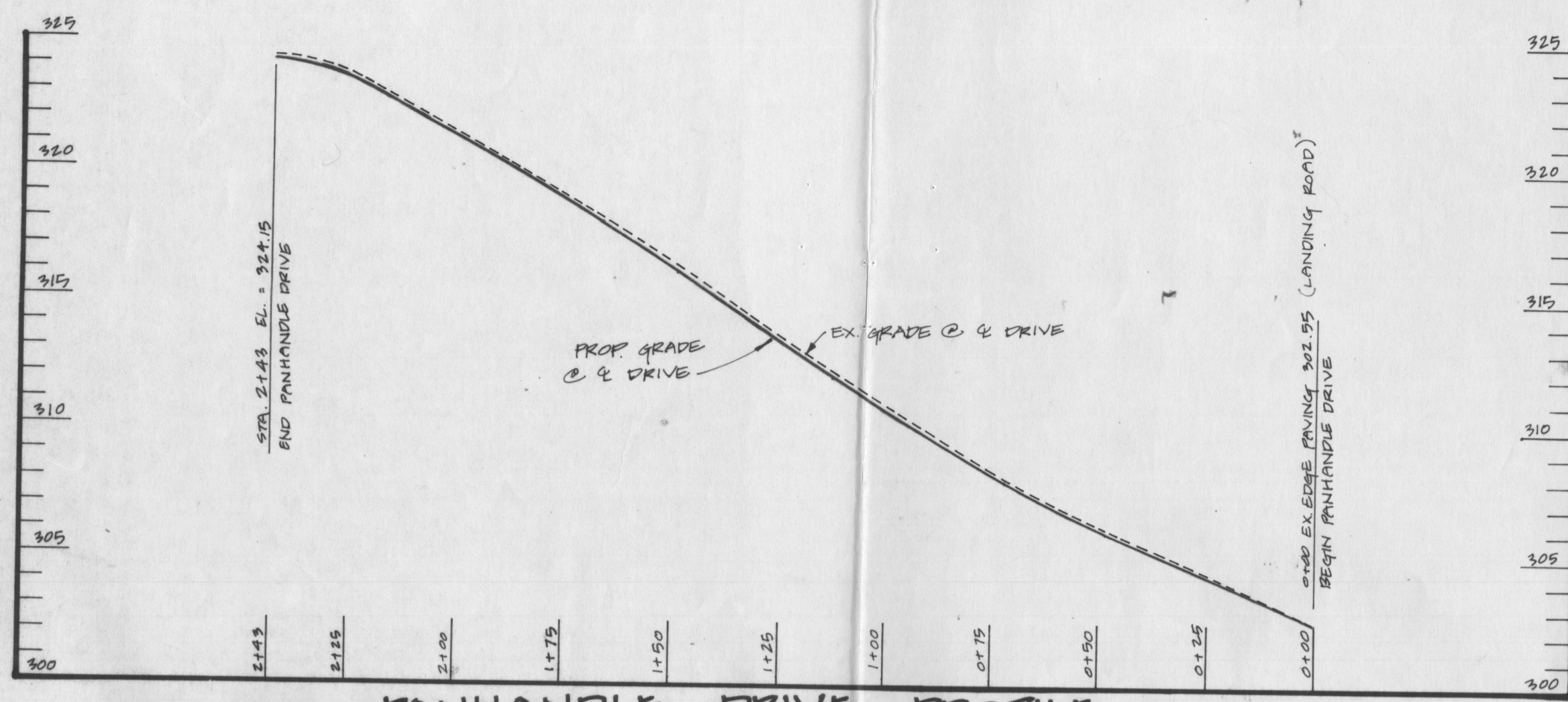
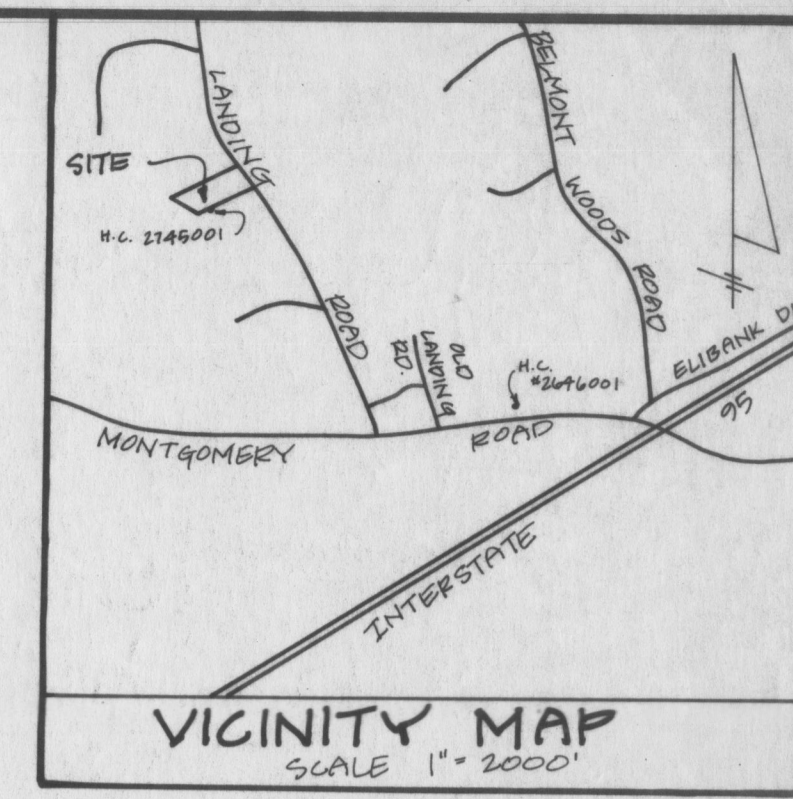
THE FACILITY SHOULD BE CHECKED PERIODICALLY FOR PROPER OPERATION. THE PROPERTY OWNER AGREES TO MAINTAIN THE FACILITY AT ALL TIMES BY REMOVING SEDIMENTS FROM THE BOTTOM OF THE FACILITY BEFORE IT ACCUMULATES TO A DEPTH OF 6". PERIODIC INSPECTION SHOULD BE PERFORMED AT LEAST ONCE A YEAR OR AFTER EVERY MAJOR STORM.

**CONSTRUCTION SPECIFICATIONS FOR VEGETATED INFILTRATION DITCH (CONTINUED)**

6. THE INFILTRATION DITCH SHOULD BE EXCAVATED AT LEAST 1.5 FEET BELOW THE FINISHED GRADE AND BACK FILLED WITH APPROPRIATE SOIL CAPABLE OF MINIMUM INFILTRATION RATE OF 0.92 IN/HR. A 6" LAYER OF SAND/GRAVEL BELOW TOP SOIL AT THE BOTTOM OF DITCH IS RECOMMENDED.

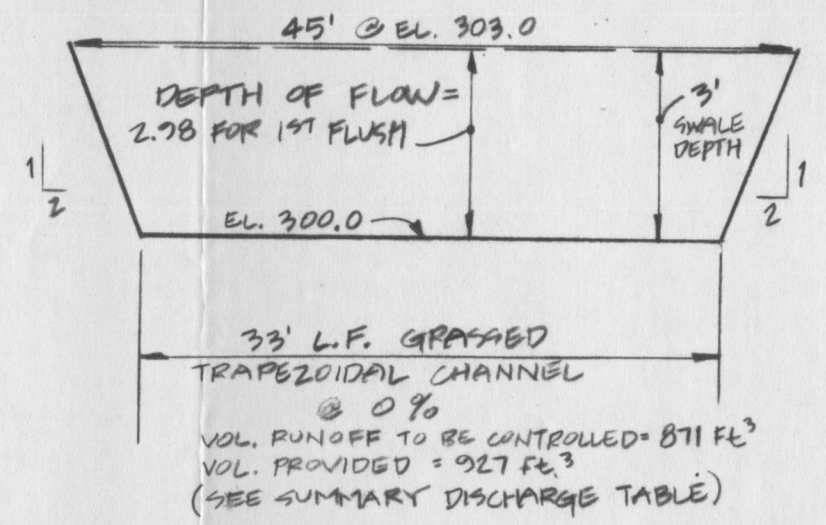
**CONSTRUCTION SPECIFICATIONS FOR VEGETATED SWALE**

- ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBSTRUCTIONAL MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE WATERWAY.
- THE WATERWAY SHALL BE EXCAVATED OR SHAPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN, AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPED NORMAL FLOW.
- FLDS SHALL BE COMPACTED AS NECESSARY TO PREVENT UNEQUAL SETTLEMENT THAT WOULD CAUSE DAMAGE IN THE COMPLETE WATERWAY.
- ALL EARTH REMOVED AND NOT NEEDED IN CONSTRUCTION SHALL BE SPREAD OR DISPOSED OF SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE WATERWAY.
- STABILIZATION SHALL BE DONE ACCORDING TO THE APPROPRIATE STANDARD AND SPECIFICATIONS FOR VEGETATIVE PRACTICES.
  - FOR DESIGN VELOCITIES OF LESS THAN 3.5 FEET PER SECOND, SEEDING AND MULCHING MAY BE USED FOR THE ESTABLISHMENT OF THE VEGETATION. IT IS RECOMMENDED THAT, WHEN CONDITIONS PERMIT, TEMPORARY DIVERSIONS OR OTHER MEANS SHOULD BE USED TO PREVENT WATER FROM ENTERING THE WATERWAY DURING THE ESTABLISHMENT OF THE VEGETATION.
  - FOR DESIGN VELOCITIES OF MORE THAN 3.5 FEET PER SECOND, THE WATERWAY SHALL BE STABILIZED WITH SOD, WITH SEEDING PROTECTED BY JUTE OR EXCESSIOR OR MATTING OR WITH SEEDING AND MULCHING INCLUDING TEMPORARY DIVERSION OF THE WATER UNTIL THE VEGETATION IS ESTABLISHED.
  - STRUCTURAL - VEGETATION PROTECTION.
    - SUBSURFACE DRAIN FOR BASE FLOW SHALL BE CONSTRUCTED AS SHOWN ON THE STANDARD DRAWING AND AS SPECIFIED IN THE STANDARD AND SPECIFICATIONS FOR SUBSURFACE DRAIN.



**PANHANDLE DRIVE PROFILE**

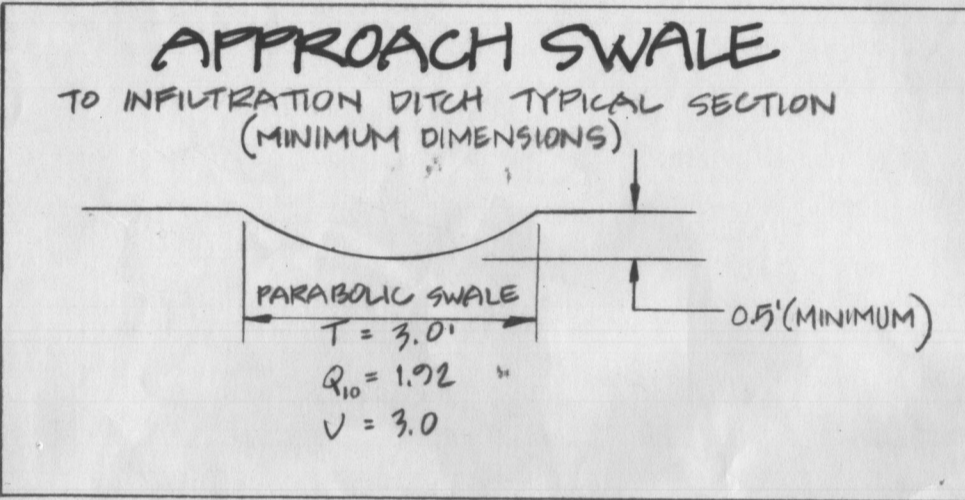
SCALE: HORIZ - 1" = 30'  
VERT. - 1" = 5'



**VEGETATED INFILTRATION DITCH SECTION A-A**

**VEGETATED INFILTRATION DITCH SECTION B-B**

NOT TO SCALE



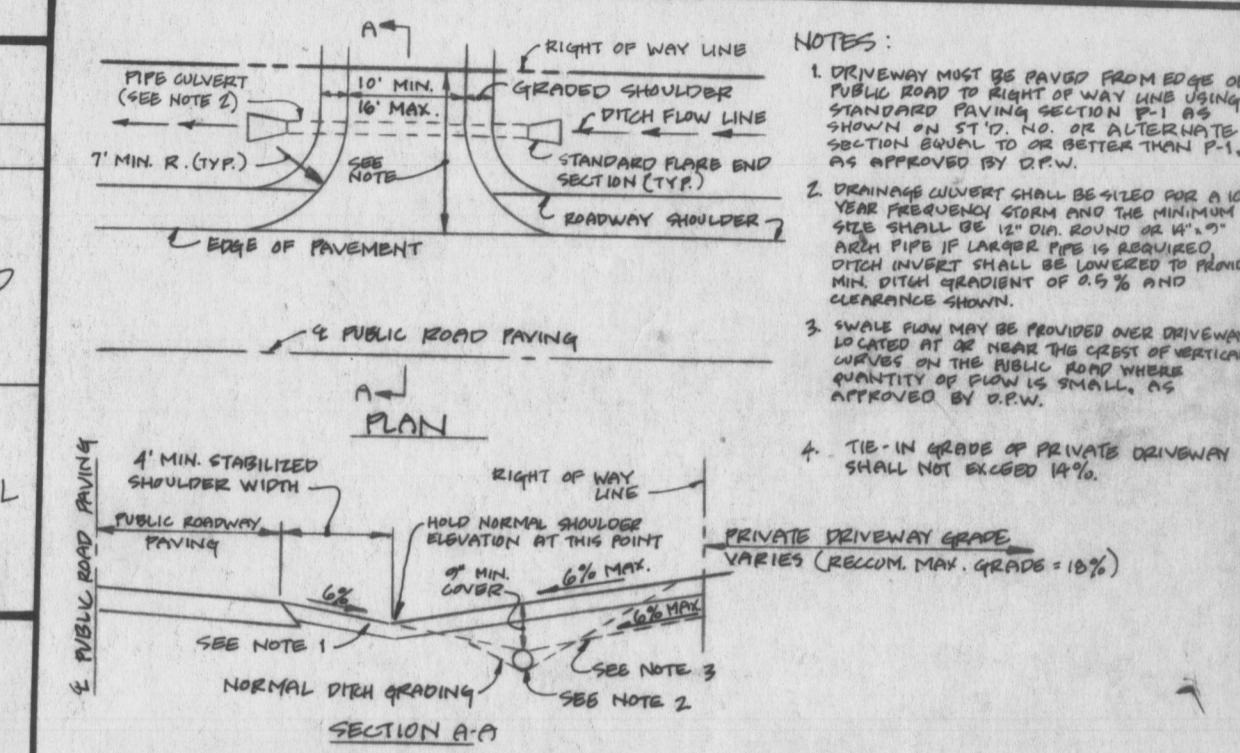
**SUMMARY DISCHARGE TABLE FOR INFILTRATION DITCH**

STORM EVENT	PEAK INFLOW	PEAK OUTFLOW	PEAK ELEVATION
0.5" 1st FLUSH	0.36 CFS	0 (FULL INFILTRATION)	302.98 * 300.00 **
2 YEAR	0.81 CFS	0.22	303.00
10 YEAR	1.92 CFS	2.33	303.01

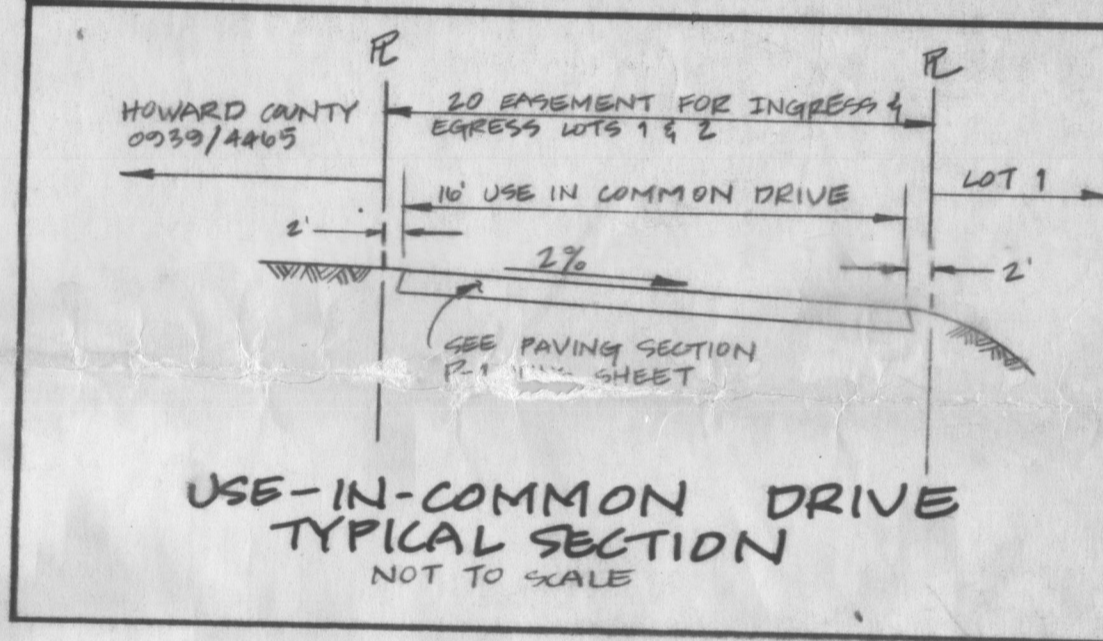
\* CHANGED CONDITION ASSUMED  
\*\* 0.92 IN/HR. INFILTRATION ALLOWED

**SOIL BORINGS DATA**

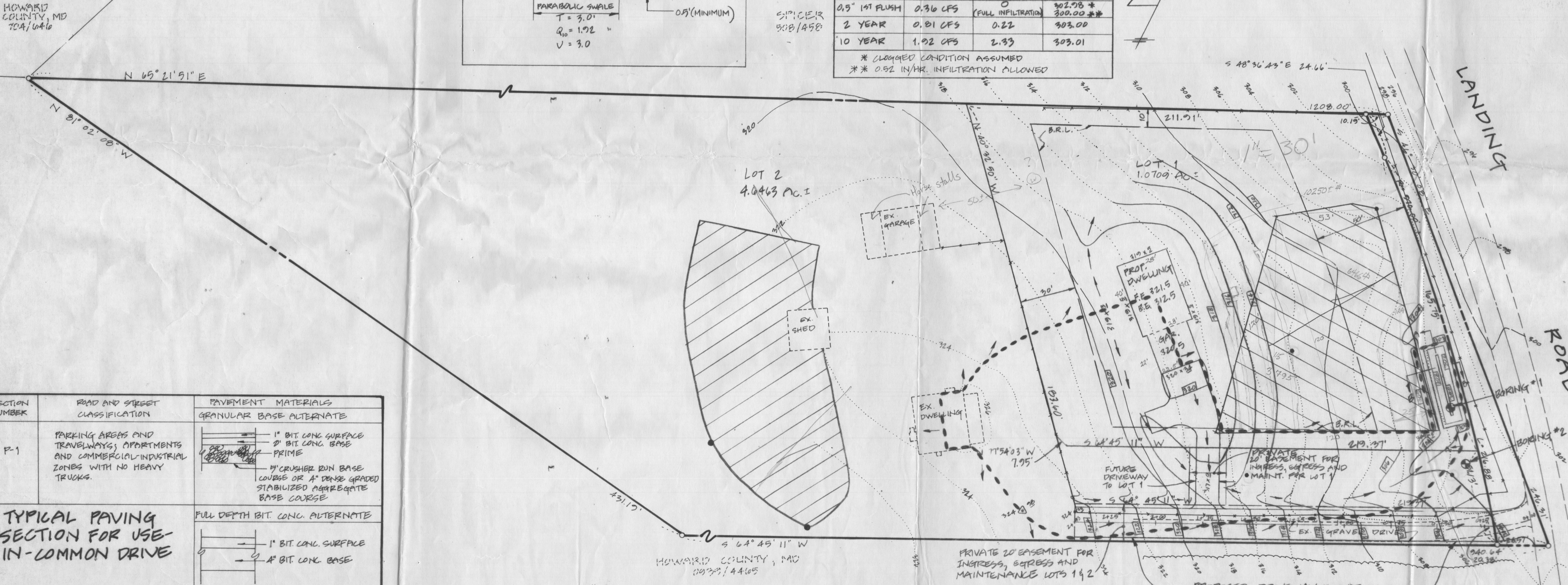
TEST PIT #	DEPTH	DESCRIPTION
TEST PIT #1	0'-6"	TOPSOIL
	6'-3 1/2'	LOAM ML-CL
	3 1/2'-7'	SAND WITH LOAMY SAND LAYERS SP-SM
TEST PIT #2	0'-6"	TOPSOIL
	6'-4 1/2'	SILTY CLAY LOAM CL-ML
	4 1/2'-8 1/2'	SAND SP-SW
	8 1/2'	DRY



**RESIDENTIAL DRIVEWAY ENTRANCE CONNECTION TO OPEN SECTION ROADWAY**



**USE-IN-COMMON DRIVE TYPICAL SECTION**



**PLAN VIEW**

SCALE 1" = 30'

NOTE: --- DENOTES LIMIT OF DRAINAGE AREA TO INFILTRATION DITCH.

**REVISED**  
DIVISION OF  
COMMUNITY PLANNING  
& LAND DEVELOPMENT  
HOWARD COUNTY,  
MARYLAND  
DATE 8-2-89

**DEVELOPERS CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY 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.  
*Joe Davis*  
NAME  
11/1/89  
DATE

SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS GRANULAR BASE ALTERNATE
P-1	PARKING AREAS AND TRAVELWAYS; APARTMENTS AND COMMERCIAL/INDUSTRIAL ZONES WITH NO HEAVY TRUCKS.	<ul style="list-style-type: none"> <li>1" BIT CONC SURFACE</li> <li>2" BIT CONC BASE</li> <li>PRIME</li> <li>4" CRUSHER RUN BASE COURSE OR 4" DENSE GRADED STABILIZED AGGREGATE BASE COURSE</li> </ul>
	<b>TYPICAL PAVING SECTION FOR USE-IN-COMMON DRIVE</b>	<ul style="list-style-type: none"> <li>FULL DEPTH BIT. CONC. ALTERNATE</li> <li>1" BIT CONC SURFACE</li> <li>4" BIT CONC BASE</li> </ul>

<b>APPROVED:</b> HOWARD COUNTY OFFICE OF PLANNING & ZONING.	THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	DATE
<b>APPROVED:</b> DEPARTMENT OF PUBLIC WORKS.	THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
CHIEF BUREAU OF ENGINEERING	DATE

**GHANABERGER & LANE**  
8726 TOWN & COUNTRY BLVD.  
SUITES 106-107  
ELLCOTT CITY, MARYLAND 21043  
(301) 461-9569



DESIGNED	SAS, SLM	OWNER:	JOSEPH DAVIS 5558 LANDING RD. ELKRIOR, MD 21227
DRAWN	SJM	DEVELOPER:	JOSEPH DAVIS 5558 LANDING RD. ELKRIOR, MD 21227
CHECKED	CS		
DATE	4/10/89		
BY	NO	REVISION	DATE

DRIVEWAY CONSTRUCTION PLAN STORMWATER MANAGEMENT PLAN <b>DAVIS PROPERTY</b> 1ST ELECTION DISTRICT HOWARD COUNTY, MD TAX MAP 31, PARCEL 231	SCALE: AS SHOWN <b>SHEET 1 OF 2</b>
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**PERMANENT SEEDING NOTES**

**Seedbed Preparation:** Loosen upper 3 inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

**Soil Amendments:** Use one of the following schedules:

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq. ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 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 (91 lbs./1000 sq. ft.).
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq. ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs./1000 sq. ft.) before seeding. Harrow or disc into upper three inches of soil.

**Seeding:** For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs./1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (.05 lbs./1000 sq. ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) use sod. Option (3) seed with 60 lbs./acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

**Mulching:** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool 218 gallons per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal./1000 sq. ft.) for anchoring.

**Maintenance:** Inspect all seeded areas and make needed repairs, disking or other reseeding.

**TEMPORARY SEEDING NOTES**

**Seedbed Preparation:** Loosen upper 3 inches of soil by raking, disking or other acceptable means before seeding.

**Soil Amendments:** Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.).

**Seeding:** For periods March 1 thru April 30, and August 15 thru November 15, seed with 2 1/2 bu. per acre of annual rye (3.2 lbs./1000 sq. ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs./1000 sq. ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

**Mulching:** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 348 gal. per acre (8 gal./1000 sq. ft.) for anchoring.

**PERMANENT SEEDING**

All disturbed areas shall be stabilized as follows:

**Seedbed Preparation:** Loosen upper 3 inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

**Soil Amendments:** Apply 2 tons/acre dolomitic limestone and 600 lbs./acre 0-20-0 fertilizer. Harrow or disc lime and fertilizer into upper three inches of soil. At time of seeding, apply 400 lbs./acre of 38-0-0 ureaform fertilizer and 500 lbs./acre of 10-20-20 fertilizer.

**SEDIMENT CONTROL NOTES**

- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.
- 3) Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- 4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- 5) All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.

6) 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.

7) Site Analysis:

Total Area of Site	5.7172 Acres
Area Disturbed	0.2545 Acres
Area to be Roofed or Paved	0.0904 Acres
Area to be Vegetatively Stabilized	0.1041 Acres
Total Cut	30 Cu. Yds.
Total Fill	30 Cu. Yds.
Offsite Waste/Borrow Area Location	N/A

- 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- 9) Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.

10) 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 disturbances or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

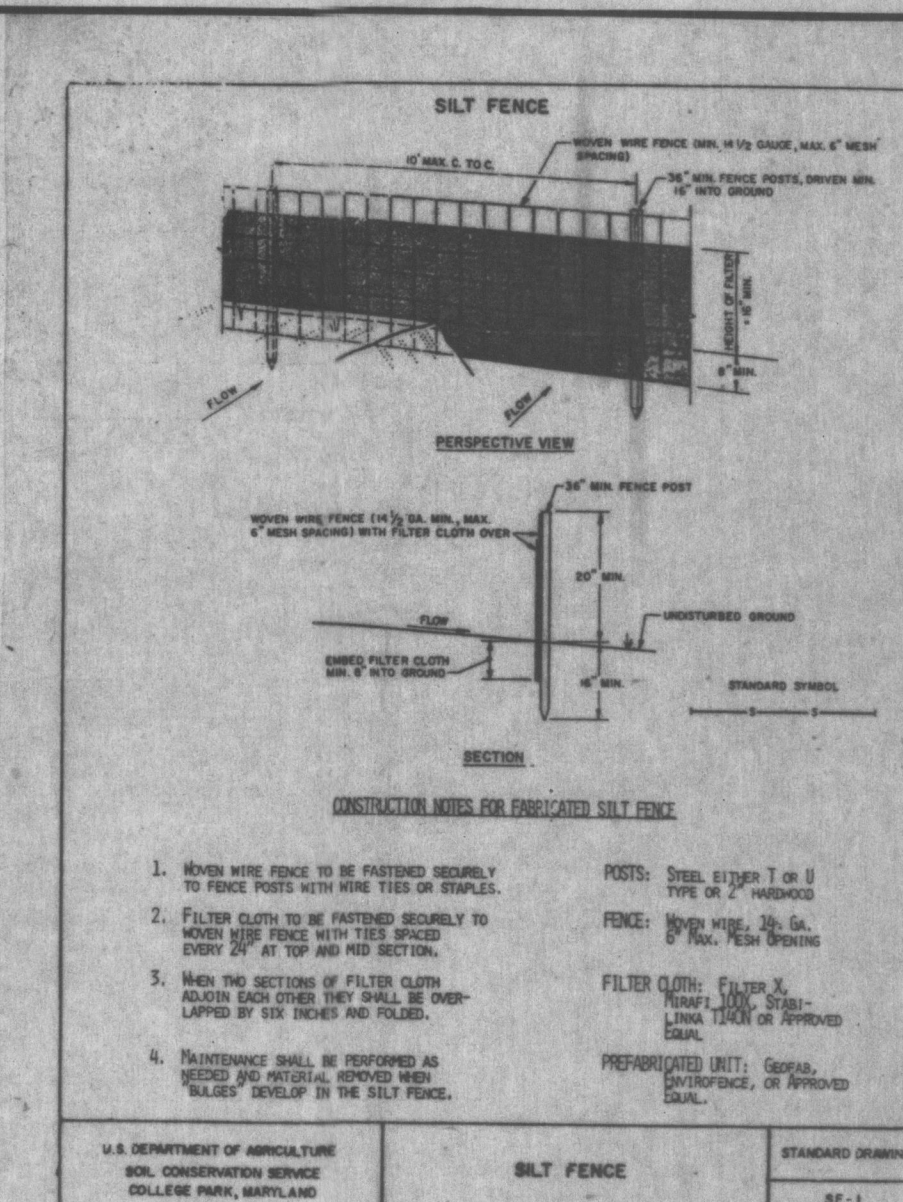
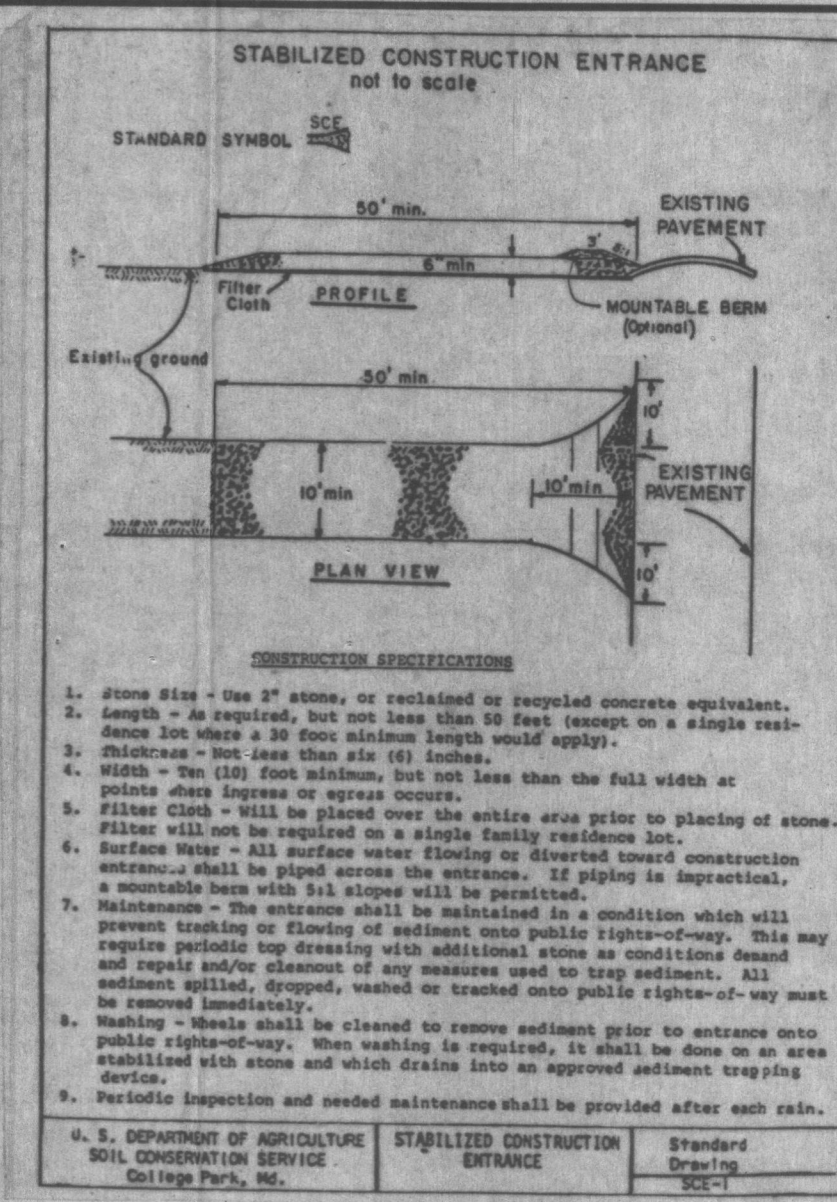
11) If houses are to be constructed on an "As-Sold" basis, at random, Single Lot Sediment Control as shown below shall be implemented.

12) All pipes to be blocked at the end of each day (see detail below).

13) The total amount of straw bale dikes/silt fence equals: 345 L.F.

**SEQUENCE OF CONSTRUCTION**

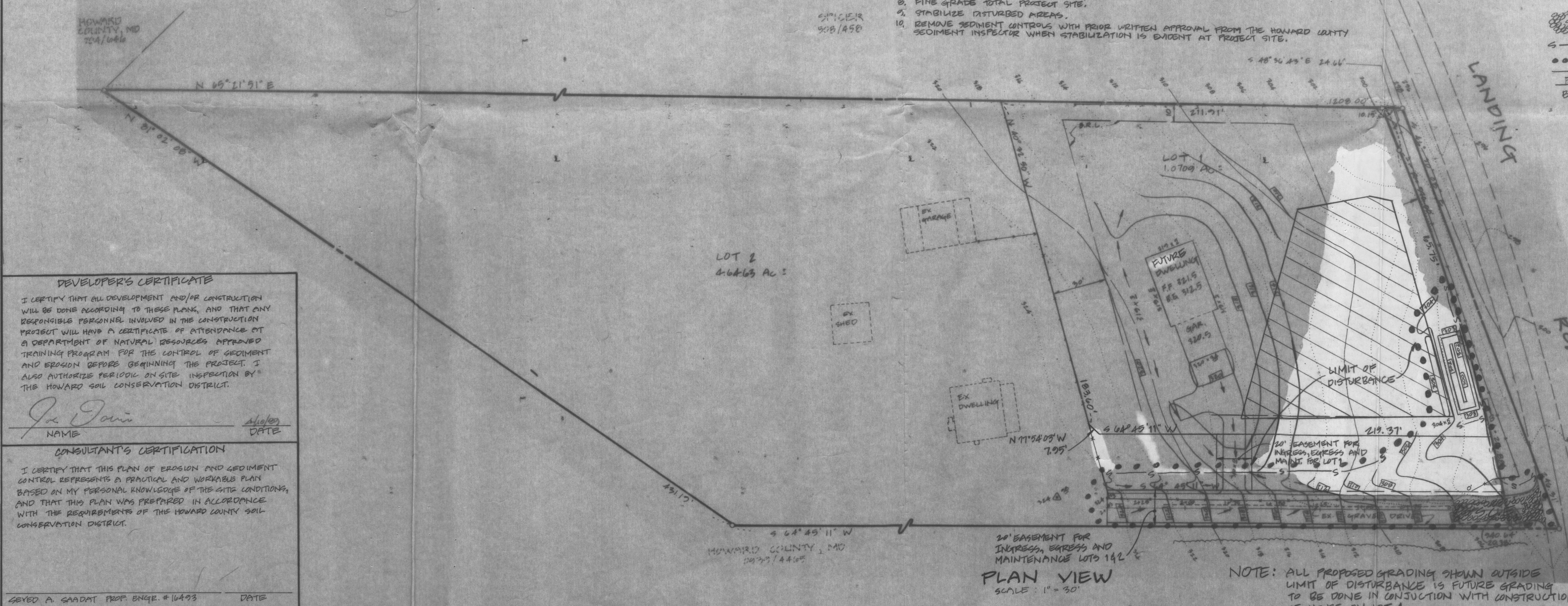
1. OBTAIN GRADING PERMIT.
2. CONTRACTOR MUST SUBMIT WRITTEN NOTIFICATION 72 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY TO THE HOWARD COUNTY SEDIMENT CONTROL SECTION STATING:
  - A. WHEN CONTRACTOR INTENDS TO BEGIN CONSTRUCTION.
  - B. SOURCE OF BORROW MATERIAL.
  - C. DISPOSAL SITE AREA.
3. CONTRACTORS TENTATIVE CLOSING DATE.
4. INSTALL SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE.
5. ROUGH GRADE PROJECT SITE.
6. COMPLETE PROPOSED DRIVEWAY CONSTRUCTION.
7. APPLY TEMPORARY STABILIZATION.
8. CONSTRUCT STORM WATER MANAGEMENT FACILITY.
9. FINE GRADE TOTAL PROJECT SITE.
10. STABILIZE DISTURBED AREAS.
11. REMOVE SEDIMENT CONTROLS WITH PRIOR WRITTEN APPROVAL FROM THE HOWARD COUNTY SEDIMENT INSPECTOR WHEN STABILIZATION IS EVIDENT AT PROJECT SITE.



**SEQUENCE OF CONSTRUCTION (CONT.)**

**LEGEND**

- STABILIZED CONSTRUCTION ENTRANCE
- SILT FENCE
- LIMIT OF DISTURBANCE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- BUILDING RESTRICTION LINE



**DEVELOPER'S CERTIFICATE**  
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY 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.

NAME: Joseph Davis DATE: 4/10/89

**CONSULTANT'S CERTIFICATION**  
I CERTIFY THAT THIS PLAN OF 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 COUNTY SOIL CONSERVATION DISTRICT.

SEVED A. SAADAT PROF. ENGR. #16493 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING	THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	U.S. SOIL CONSERVATION SERVICE
APPROVED: DEPARTMENT OF PUBLIC WORKS	THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
CHIEF, BUREAU OF ENGINEERING	HOWARD SOIL CONSERVATION DISTRICT

**SHANABERGER & LANE**  
8726 TOWN & COUNTRY BLVD.  
SUITE 106 # 107  
ELLCOTT CITY, MARYLAND 21043  
(301) 461-9963

DESIGNED	SAS, SLM		
DRAWN	SLM		
CHECKED	SAS		
DATE	4/10/89	BY	NO.
REVISION		DATE	

OWNER:  
JOSEPH DAVIS  
5958 LANDING RD.  
ELKRIDGE, MD 21227

DEVELOPER:  
JOSEPH DAVIS  
5958 LANDING RD.  
ELKRIDGE, MD 21227

EROSION AND SEDIMENT CONTROL PLAN  
**DAVIS PROPERTY**  
1ST ELECTION DISTRICT  
HOWARD COUNTY, MD  
TAX MAP #1, PARCEL 237

SCALE: AS SHOWN  
**SHEET 2 OF 2**