

# APPLICATION

PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 410-313-2640

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 T. Matthews Revocable Trust  
ADDRESS c/o Cloverfield/Pfefferkorn, LLC, 10705 Charter Drive,  
Suite 320, Columbia, MD 21044 PHONE 410-997-7400

AGENT OR PROSPECTIVE BUYER Heritage Land Development  
ADDRESS 3060 Washington Rd., Suite 220, Glenwood, MD 21738 PHONE 410-489-7900

PROPERTY LOCATION:

SUBDIVISION Matthews Property LOT NO. 21

ROAD AND DESCRIPTION \_\_\_\_\_  
2400 Pfefferkorn Road, West Friendship, MD 21794

TAX MAP NO. 15 PARCEL # 4

SIZE OF LOT 1 acre TYPE OF BLDG. SFD  
(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.

\_\_\_\_\_  
(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

COUNTY #

SOIL PROFILE

0' 8017 8015

red  
brn  
C1Lm

4'  
orange  
brn  
Salm  
5%  
Saprolite

14 1/2'  
dry  
8019

orange  
brn  
C1Lm

3 1/2'  
orange  
brn  
Salm

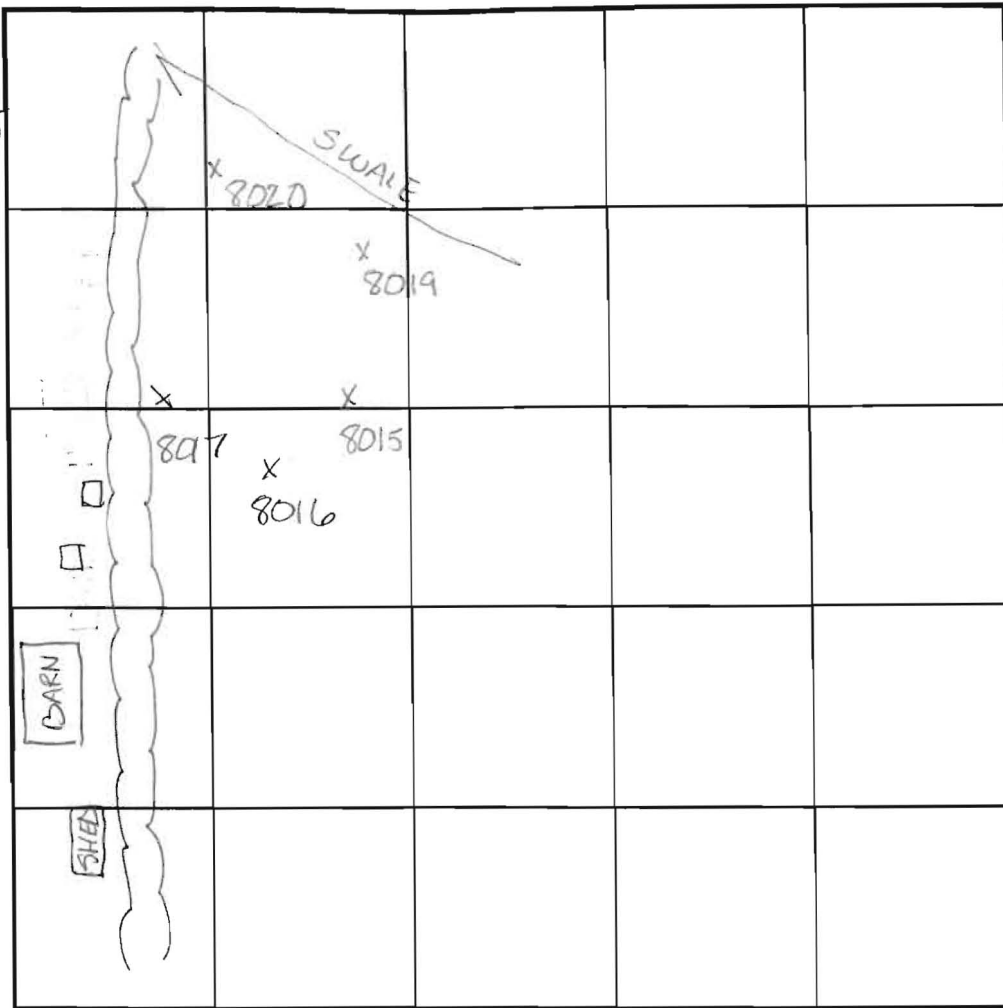
12'  
water

14'  
8016

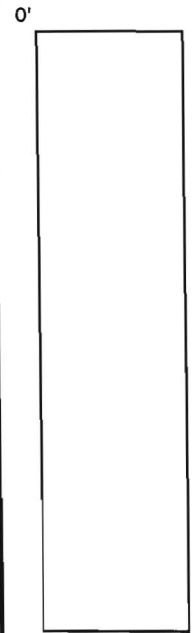
dank  
red  
C1Lm

4 1/2'  
lgt  
red  
Silm

14'



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-10-03	8017	4 1/2'	8:06	8:08	8:08	8:11	3min P
	8015	5'	8:23	8:25	8:25	8:27	2min P
	8019	4 1/2'	8:28	8:30	8:30	8:32	2min P
5-12-03	8016	Visual to 14'	see profile		—		P

REMARKS 8019 & 8017 dug @ 7:30 am - H<sub>2</sub>O level checked @ 6:00 pm - Dug per plan

TYPE OF SOIL

TESTED BY Amy Haut

ALSO PRESENT Tim Feaga

TRENCH DESIGN DATA: AVG. PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT./BEDROOM

COUNTY #

SOIL PROFILE

0' 8010

dark red C1M

5' orange brown Salm

4' 8012

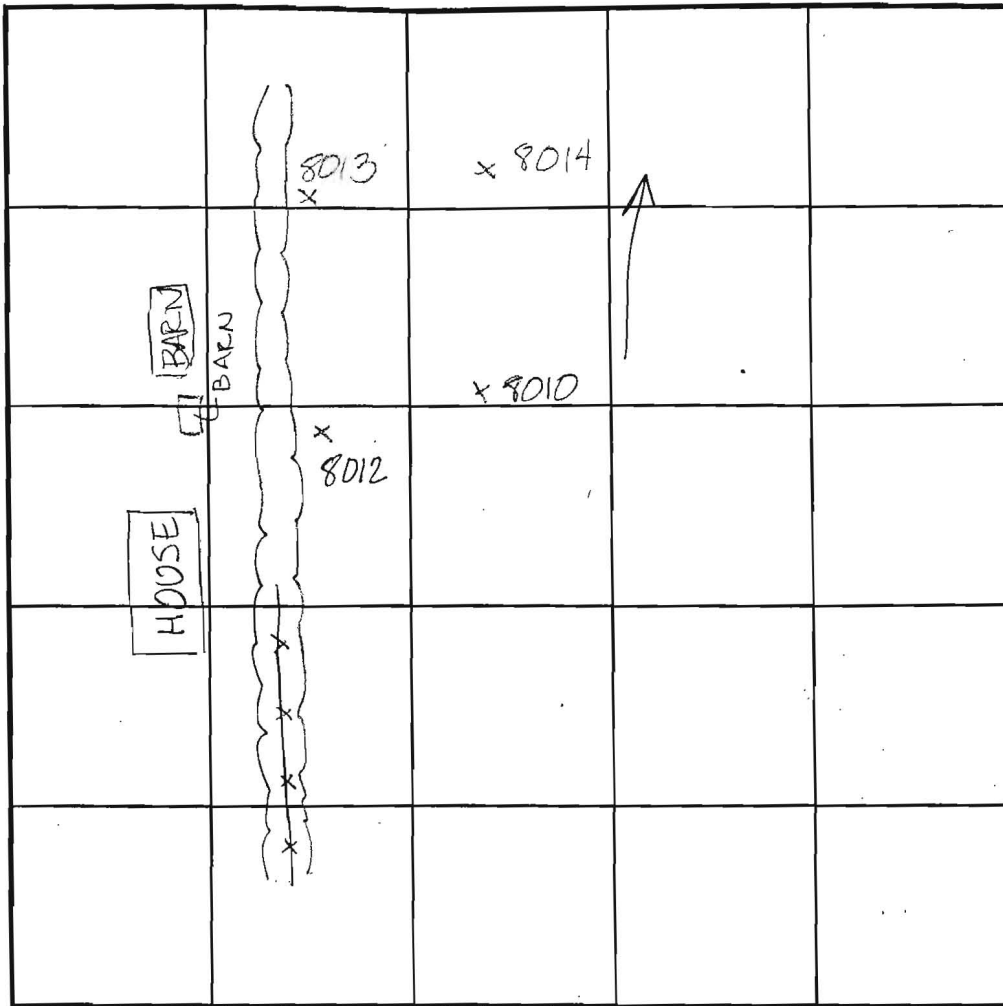
topsoil dark red C1M

5' red brn Salm

14 1/2' 8013 8014

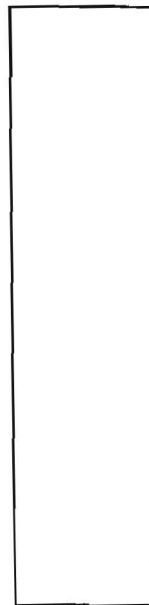
Heavy red C1M

4 1/2' 2' 1g7 red Salm 10% very decayed Saprolite



SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5-10-03	8010	5 1/2'	7:50	7:52	7:52	7:55	3min	P
	8012	5 1/2'	7:58	7:22	test stopped		slow	P
	8013	5'	8:03	8:17	8:17	8:45	27min	P
	8014	5'	8:13	8:15	8:15	8:19	4min	P
	8012	7'	8:25	8:27	8:27	8:30	3min	P
	8012	10 1/2'	8:51	8:59	8:59	9:01	3min	P

REMARKS Tested per plan

TYPE OF SOIL

TESTED BY Amy Hart

TRENCH DESIGN DATA: AVG. PERCOLATION TIME

INLET DEPTH

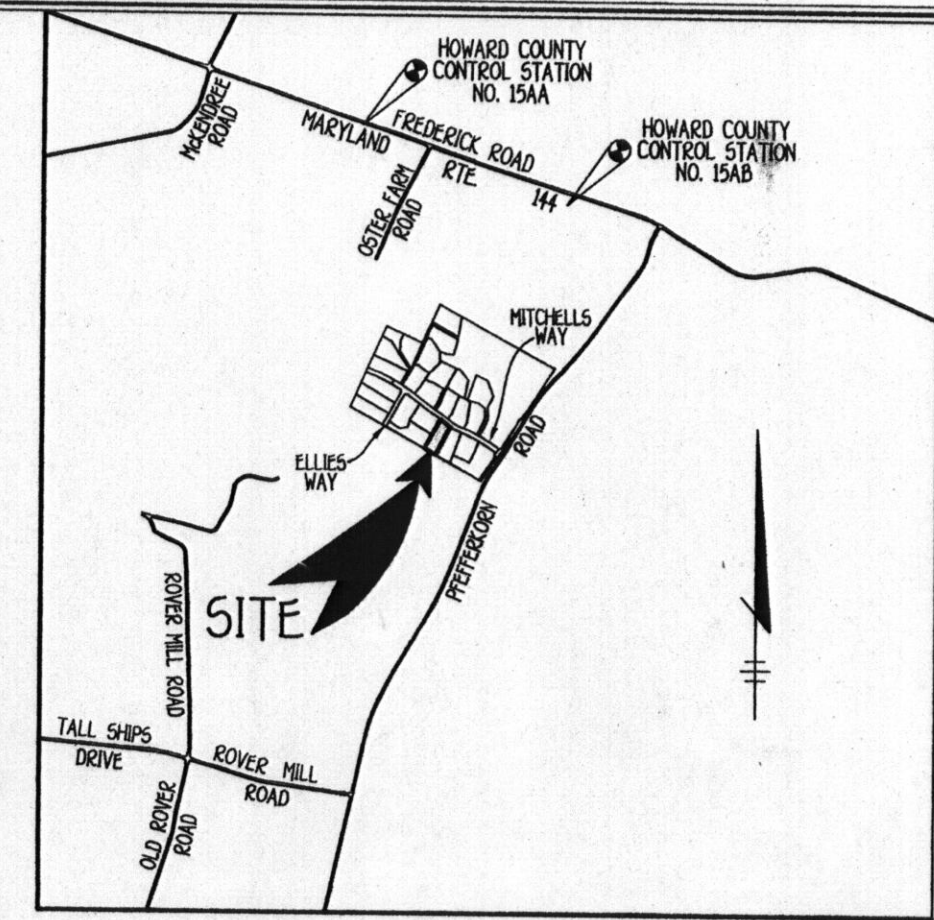
MAXIMUM BOTTOM DEPTH

ALSO PRESENT Tim Feaga

TRENCH WIDTH

SQ. FT./BEDROOM

7/1



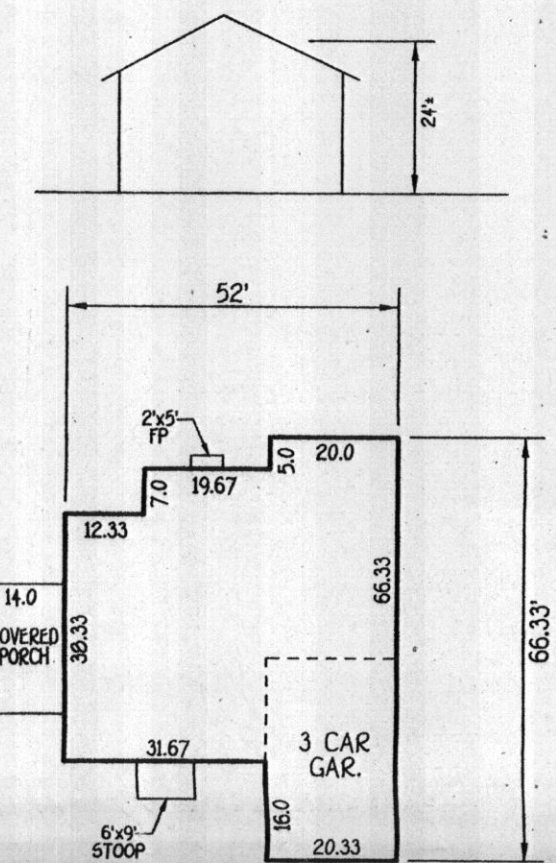
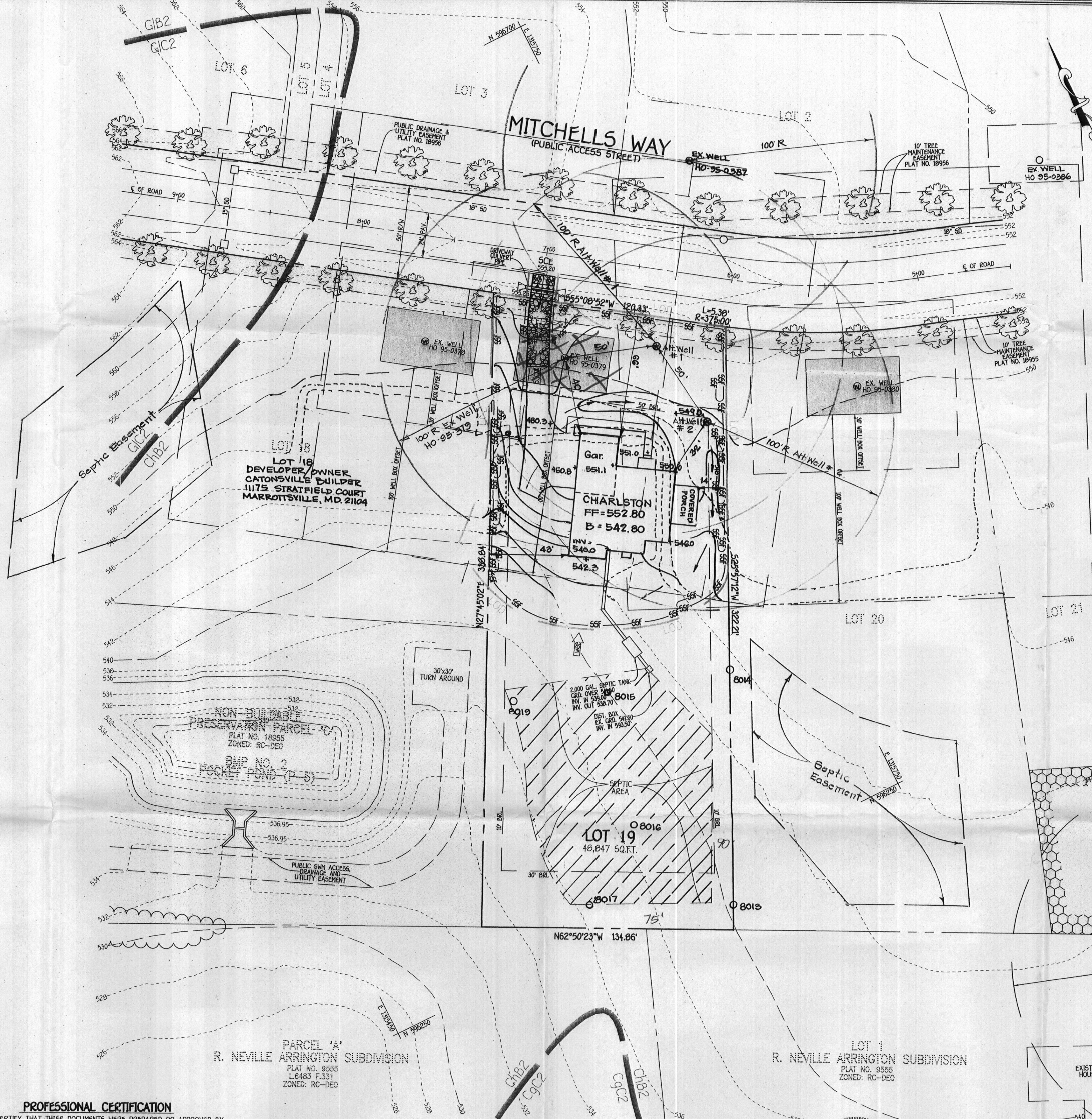
VICINITY MAP  
SCALE: 1" = 2,000'

**REVISED PERCOLATION CERTIFICATION NOTES**

1. THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET (OR IF PRIOR TO MARCH 1972, AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND TWO REPLACEMENT SYSTEMS) 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 SEWERAGE IS AVAILABLE. THESE AREAS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE AREA. RECONSTRUCTION OF A MODIFIED SEWAGE SHALL NOT BE NECESSARY.
2. TOPOGRAPHY SHOWN IS AT TWO-FOOT CONTOUR INTERVALS (ONE-FOOT INTERVALS ARE REQUIRED FOR MOUND SYSTEMS AND SYSTEMS WITH PIPE DEPTH LESS THAN TWO FEET) AND HAS BEEN FIELD VERIFIED OR FIELD RUN.
3. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
4. EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
5. THE PURPOSE FOR THIS REVISION IS TO ADD TWO ALTERNATE WELL LOCATIONS.
6. THE LOT SHOWN HEREON WAS RECORDED ON THE PLAT NO. 18955. REFER TO PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND RESTRICTIONS.

**GENERAL NOTES**

1. SUBJECT PROPERTY ZONED: RC-DEO
  2. TOTAL AREA OF PROPERTY: 48,847 SQ.FT.
  3. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT REVIEW.
  4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
  5. CONTRACTOR/BUILDER TO VERIFY ELEVATION IN THE FIELD BEFORE BEGINNING ANY CONSTRUCTION.
  6. TOPOGRAPHIC SURVEY WAS BASED ON 2' CONTOUR, SURVEY PROVIDED BY 3DI LLC, DATED APRIL, 2001 AND SUPPLEMENTED BY FIELD RUN SURVEY PREPARED BY FISHER, COLLINS & CARTER, INC. DATED APRIL, 2002.
  7. NO WETLANDS CURRENTLY EXIST ON THE PROPERTY.
  8. DRIVEWAY CULVERTS SHALL BE CONSTRUCTED AT SITE DEVELOPMENT PLAN STAGE.
  9. STORMWATER MANAGEMENT IS PROVIDED UNDER F-06-110. PER HOWARD COUNTY & Md. 578 SPEC. RECHARGE VOLUMES WILL BE PROVIDED THROUGH GRASS CHANNELS NEXT TO THE ROADWAY. PROTECTION VOLUMES PROVIDED BY MICRO POOL EXTENDED DETENTION POND. BACKFLOW PREVENTION VALVES AND INFLUENT DRY WELLS, 25-YR. SWM VOLUMES PROVIDED WITHIN BMP NO. 1. EXTREME FLOOD VOLUMES IS NOT REQUIRED FOR THE SITE NOTE.
- THE EXISTING WELL SHOWN ON THIS PLAN, TAG NO. HO 95-0379 HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN.



CHARLESTON CF-19  
SCALE: 1" = 30'

PERC CERTIFICATION OF MARYLAND  
I CERTIFY THAT THE PERCOLATION TESTS AND DATA HEREON ARE BASED ON FIELD LOCATIONS DONE UNDER MY DIRECT SUPERVISION AND THAT I AM CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

*TERRILL A. FISHER*  
TERRILL A. FISHER, PROFESSIONAL LAND SURVEYOR NO. 10692  
DATE: 7/23/09

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.

*Brian R. Peterson*  
BRIAN R. PETERSON, COUNTY HEALTH OFFICER  
DATE: 8/19/2009

**LEGEND**

SYMBOL	DESCRIPTION
---	EXISTING CONTOUR 2' INTERVAL
- - - -	PROPOSED CONTOUR 2' INTERVAL
+362.5	SPOT ELEVATION
WALK OUT BASEMENT	WALK OUT BASEMENT
56' - 56'	SUPER SILT FENCE
---	LIMITS OF DISTURBANCE
---	EXISTING STREET TREES FROM F-06-110
---	SOIL LINE TYPE
---	PERCOTED PASSED PERC
---	PERCOTED EX. A.H. WELLS

2. 7-22-09 Rev. drawing to show Perc Cert. information, add all adj. wells, septic, septic # alt. well loc. Revise Plan to move hse forward and lower per' as built information revise topo. per pad S.O. information
1. Rev. house location and lowered house 1.2 feet per clients Wall Check information. Rev. exist. topo per clients mass grading information 7-20-09

**PROFESSIONAL CERTIFICATION**

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 9753, EXPIRATION DATE: 2/28/10.

*Earl D. Collins*  
EARL D. COLLINS  
DATE: 7-20-09

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

*John R. Robertson*  
JOHN R. ROBERTSON  
DATE: 4/14/09

Revision: Expand SWM note in Gen. Note No. 9 per Ho Co comments 5-5-09

**BUILDER/DEVELOPER**  
CATONVILLE BUILDERS  
11175 STRATFIELD COURT  
MARRIOTTVILLE, MARYLAND 21104  
410-442-2211

**DEVELOPER'S CERTIFICATE**

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH 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.

*Earl D. Collins*  
EARL D. COLLINS  
DATE: 4/8/09

**ENGINEER'S CERTIFICATE**

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL CONSTITUTES 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.

*Earl D. Collins*  
EARL D. COLLINS  
DATE: 7-20-09

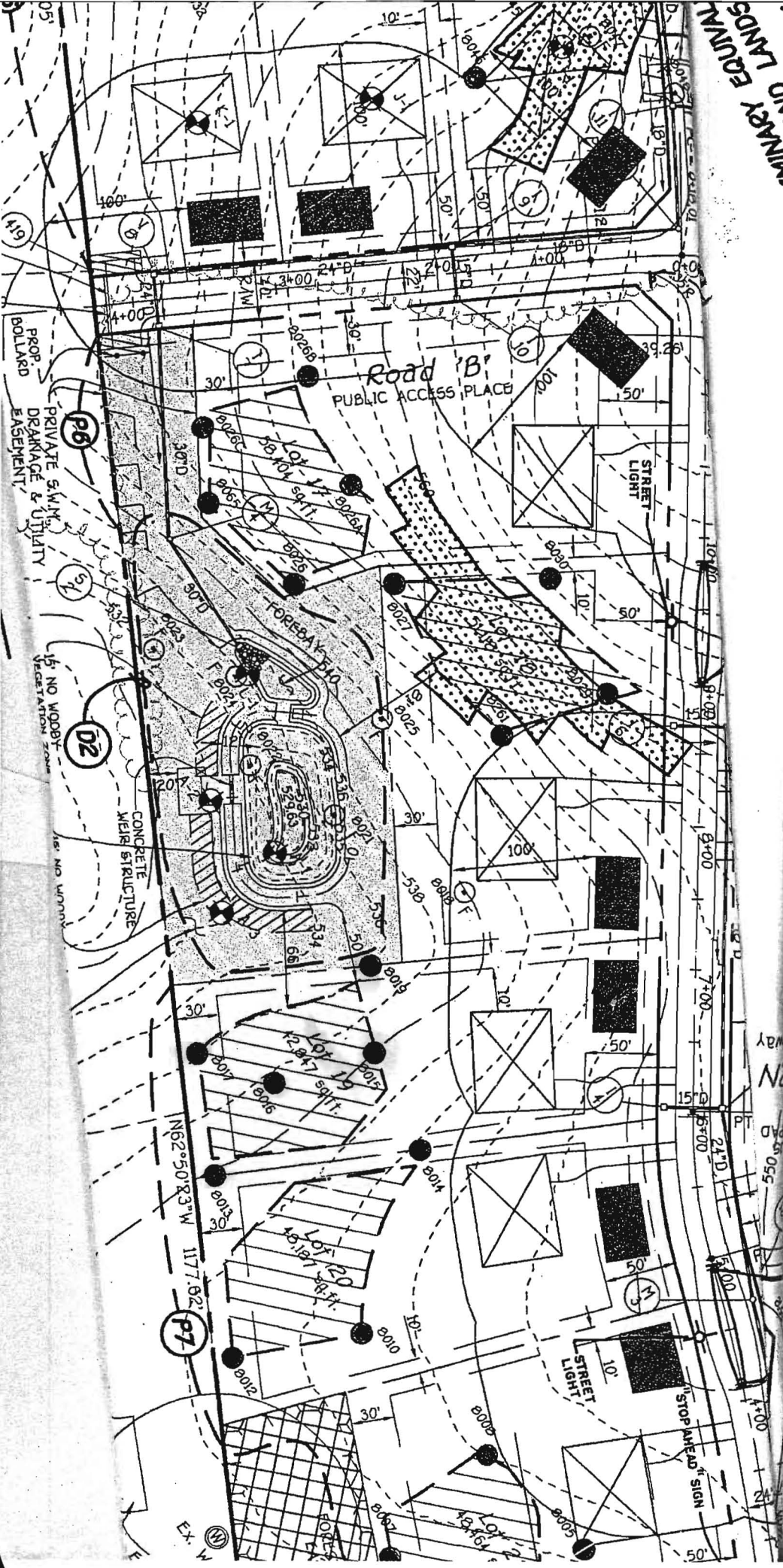
**Well box abandoned**

NOTE: PROPOSE OF THIS REVISION IS TO PROVIDE TWO FUTURE ALTERNATE WELL LOCATIONS FOR LOT 19.

**PERC CERTIFICATION & SITE DEVELOPMENT, SEDIMENT/EROSION CONTROL PLAN CLOVERFIELD LOT 19**

ZONED: RC-DEO PLAT NO. 18955  
TAX MAP NO: 15 PARCEL NO: 4 GRID NO: 8  
3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1" = 30' DATE: MARCH, 2009

SHEET 1 OF 2



PRIMARY EUNAL AND LANDS

Copy of signed prelim.  
 50-22-05