

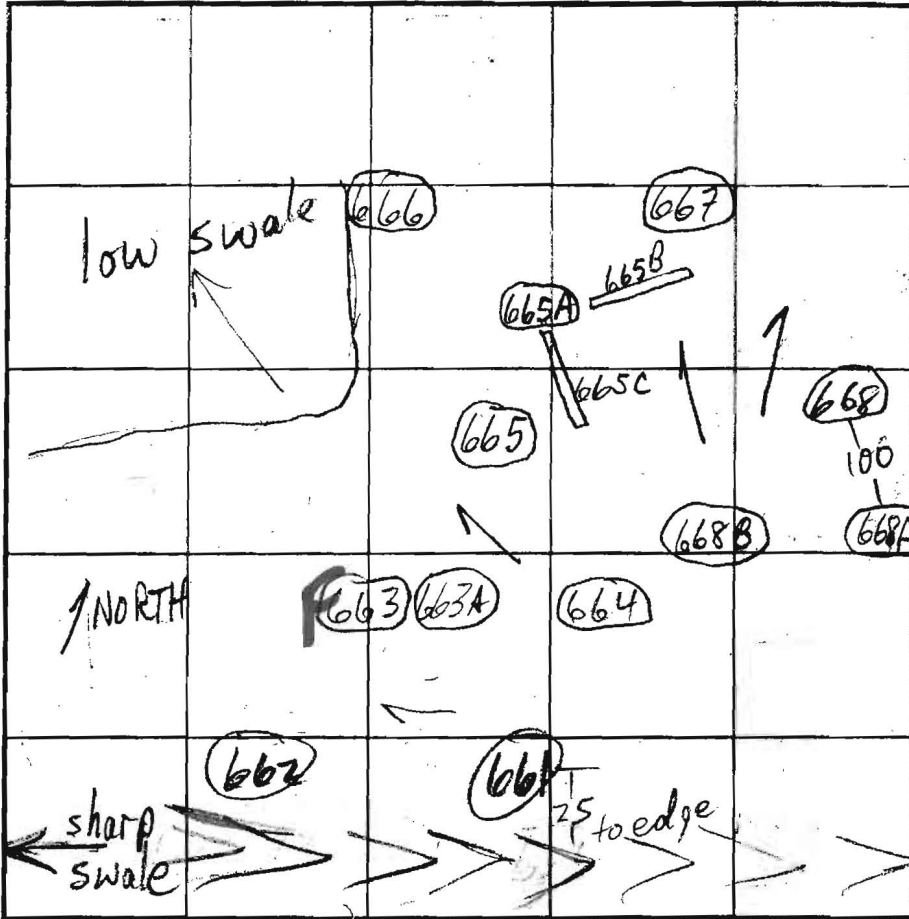
COUNTY #

SOIL PROFILE

0'
 brn orge hvy lm
 4 1/2'
 5' H. brn tan beige sa mica lm
 10-15% frags
 12' 10"
 13' 3" H₂O

666
 brn hvy lm orge hvy sa lm
 2'
 2 1/2' tan beige H. brn mica sand & mica sa lm mix
 10-20% frags
 13'

665
 brn cl 30-40% Rx @ WEST
 2'
 5 1/2' brn hvy sa lm
 tan gray sa mica lm
 10-20% frags
 12' 9"



SOIL PROFILE EAST 663 WEST


1/2' dk brn orge brn cl lm
 8' orge brn hvy lm tan beige gray sa lm 10-15% frags
 6 1/2'
 9'
 13' 662
 dk brn cl lm 1/22'
 orge brn hvy lm 6-7'
 tan H. brn sa lm 13'
 10-25% Rx

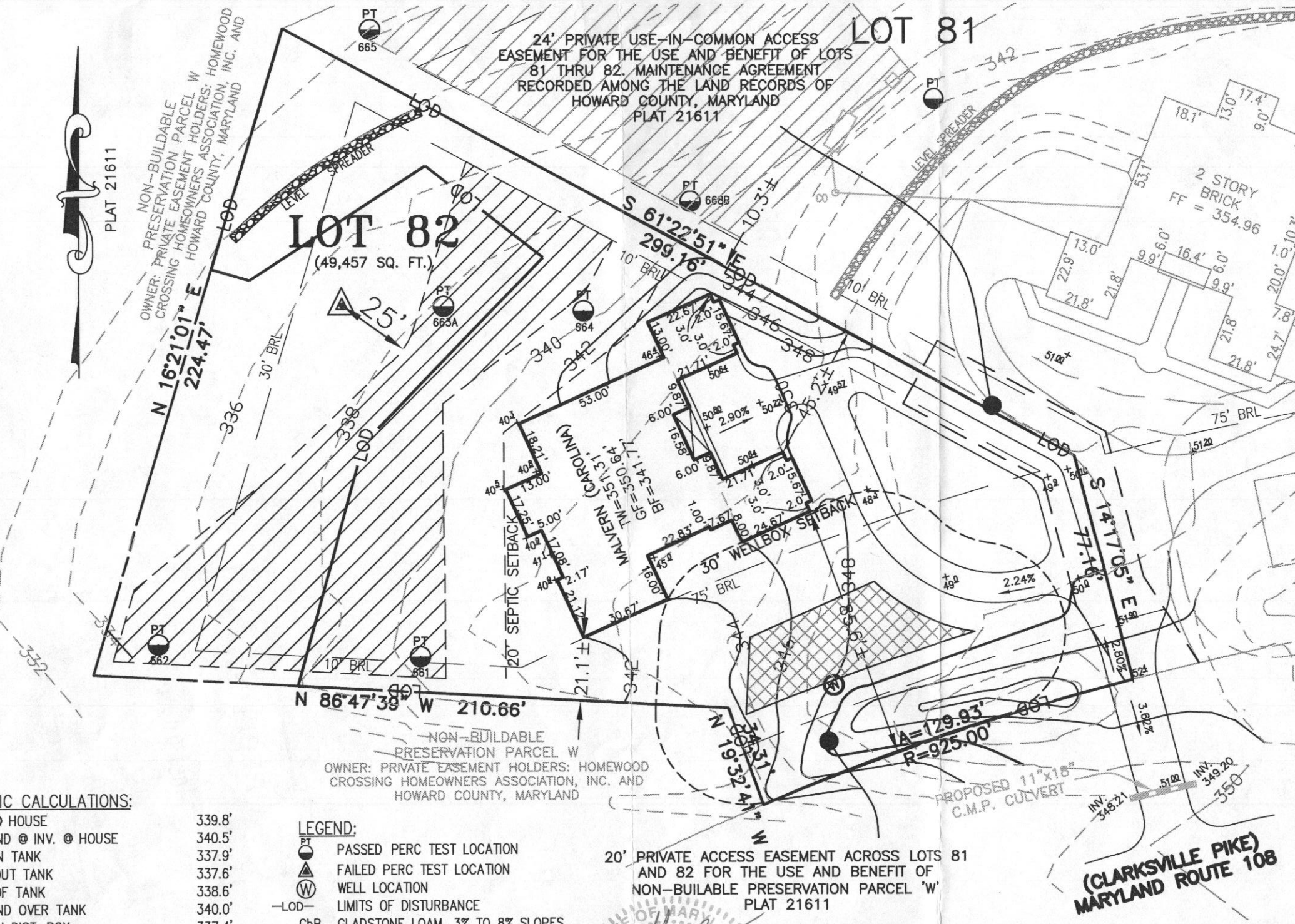
INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE. RT. 108

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4/15/03	667	8" 13' 3"	3:13	3:14	3:14	3:15	1	OK
			3:19	3:21	3:21	3:23	2	OK
	666	7" 13'	3:18	3:21	3:21	3:25	4	OK
	665	7" 12' 9"	3:28	3:33	3:33	3:42	9	OK
4/15/03	663	5" 7' 3"	3:39	3:54	3:54	4:00	18	FAIL
			TESTED @ WEST SIDE					
	662	5" 7'	3:45	3:55	3:55	4:13	18	OK
	661	7" 12' 1/2"	4:05	4:08	4:08	4:11	3	OK

REMARKS ALL HOLES PER PLAN EXCEPT 63A, 65A, 65B, 65C, 68A, 68B
 TYPE OF SOIL
 TESTED BY M. Riffin ALSO PRESENT Mike J. crew
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21328, EXPIRATION DATE 1/8/15. GENERAL NOTES:

1. THE SUBJECT PROPERTY IS ZONED RC-DEO PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND PER COMP-LITE ZONING REGULATIONS DATED 7/28/06.
2. PLAT REFERENCE: PLAT No. 21611.
3. THE EXISTING TOPOGRAPHY WITHIN THE AREA OF PROPOSED WORK IS TAKEN FROM FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY ESE. DATED 6/15/12.
4. TOTAL LIMIT OF DISTURBANCE: 37,447 SQ. FT. / 0.86 AC.±
5. STORMWATER MANAGEMENT FOR THIS LOT IS PROVIDED BY PREVIOUSLY APPROVED PLAN F-09-039.
6.  THESE AREAS DESIGNATE A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS 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 UNTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
7. EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
8. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
9. UPON BUILDING PERMIT REVIEW THE SEPTIC SYSTEMS FOR ALL PROPOSED STRUCTURES AND/OR EXISTING STRUCTURE EXPANSIONS SHALL BE RE-EVALUATED TO DETERMINE SUFFICIENT SYSTEM CAPACITY.
10. THE DEVELOPMENT OF THIS LOT DOES NOT REQUIRE AN ENVIRONMENTAL CONCEPT PLAN SINCE STORMWATER MANAGEMENT WAS PREVIOUSLY APPROVED UNDER F-09-039.
11. A STANDARD SEDIMENT CONTROL PLAN MAY BE USED FOR DEVELOPMENT OF THIS LOT. REFERENCE GRADING PLAN GP-14-034 DATED 10/30/13.
12. THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-1982 HAS BEEN FIELD LOCATED BY ESE CONSULTANTS - PROFESSIONAL LAND SURVEYOR(S), AND IS ACCURATELY SHOWN.
13. BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPMENT PLAN SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.
14. CULVERT FOR DRIVEWAY PER F-09-039 AS SHOWN ON PLAN.
15. SOIL TYPES FOR THIS LOT LIE WHOLLY WITHIN GbB, HYDROLOGIC SOIL GROUP B, PER WEB SOIL SURVEY WEBSITE MAINTAINED BY USDA LAST MODIFIED 12/06/2013.
16. WELL BOX AND SEPTIC RESERVE AREA HAVE BEEN ALTERED PER THIS PLAN. WELL BOX WAS ALTERED FOR ALLOWANCE OF A DRIVEWAY AND TO MOVE OUT OF A 20' PRIVATE ACCESS EASEMENT. SEPTIC RESERVE AREA WAS ALTERED FOR THE SITING OF THE HOUSE AND TO ALLOW ROOM FOR SEPTIC TRENCHES. TOTAL AREA FOR THE SEPTIC AREA IS 10,110 SQ. FT. AND TOTAL AREA FOR WELLBOX IS 1,500 SQ. FT., BOTH MEET MINIMUM REQUIREMENTS.






SEPTIC CALCULATIONS:

INV. @ HOUSE	339.8'
GROUND @ INV. @ HOUSE	340.5'
INV. IN TANK	337.9'
INV. OUT TANK	337.6'
TOP OF TANK	338.6'
GROUND OVER TANK	340.0'
INV. IN DIST. BOX	337.4'
INV. OUT DIST. BOX	337.1'
GROUND @ BOX	339.2'

HOUSE OPTIONS:

- TYPE: MALVERN (CAROLINA)
 WALK-OUT BASEMENT
 EXPANDED FAMILY ROOM/GREAT ROOM
 PALM BEACH SUNROOM ADDITION
 GRAND CONSERVATORY ELITE ADDITION
 ADD'L 1' TO BASEMENT FOUNDATION WALLS
 ADD'L POWDER ROOM - FIRST/SECOND FLOOR
 ENHANCED COURTYARD GARAGE(S)
 BRICK SIDES AND REAR
 EXPANDED KITCHEN
 CIRCULAR DRIVEWAY PER MARKETING PLAN

LEGEND:


	PASSED PERC TEST LOCATION
	FAILED PERC TEST LOCATION
	WELL LOCATION
-LOD-	LIMITS OF DISTURBANCE
GbB	GLADSTONE LOAM, 3% TO 8% SLOPES
TW	TOP OF WALL
GF	GARAGE FLOOR
BF	BASEMENT FLOOR
BRL	BUILDING RESTRICTION LINE

- | |
|-----------------|
| OPTION No. 017 |
| OPTION No. 023 |
| OPTION No. 026 |
| OPTION No. 037 |
| OPTION No. 070 |
| OPTION No. 377 |
| OPTION No. 535 |
| OPTION No. 673 |
| OPTION No. 800 |
| OPTION No. 9001 |

APPROVED FOR PRIVATE WATER & PRIVATE SEWAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER *B. Wipperfurth* DATE 10/17/14



PERCOLATION CERTIFICATION PLAN
 LOT 82
HOMWOOD CROSSING
 LIBER 9808, FOLIO 204
 PLAT No. 21611
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 ADDRESS: 11620 CLARKSVILLE PIKE
 ELLICOTT CITY, MARYLAND



**Land Planning
 Engineering
 Land Surveying**

ESE Consultants Inc.
 7164 Columbia Gateway Dr.
 Suite 203
 Columbia, MD 21046
 TEL: 410-872-9105
 FAX: 410-872-4870

DATE: 10/06/14 SCALE: 1"=40' FILE: PERC CERT LOT 82_rev1
 CHK'D: M.J.B JOB NO: 1214 DRAWN: R.C.K