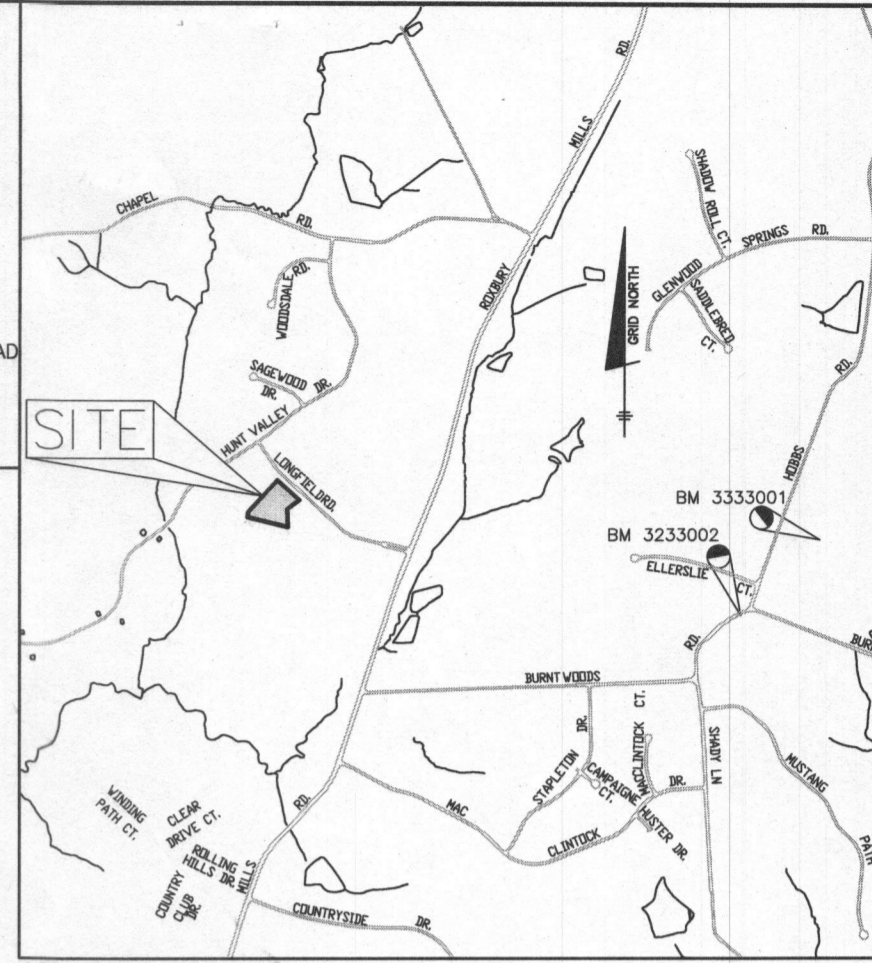


BENCH MARKS NAD 27

HO. CO. 3233002
 CONCRETE MONUMENT 0.3' BELOW SURFACE, 23.3' OFF CL OF BURNTWOODS ROAD, APPROX. 260' EAST OF CL SHADY LANE.
 N 527,437.496 E 794,403.005
 ELEV. 592.174'

HO. CO. 3333001
 CONCRETE MONUMENT 0.5' BELOW SURFACE, 30 FEET NORTHWEST OF THE INTERSECTION OF BURNTWOODS ROAD AND HOBBS ROAD.
 N 528,229.927 E 795,210.140
 ELEV. 595.281'



- LEGEND**
- SOILS CLASSIFICATION GbB
 - SOILS DELINEATION
 - EXISTING CONTOURS (GIS) 580, 578
 - EXISTING WOODS LINE
 - PROPOSED WOODS LINE
 - EXISTING SEPTIC FIELD
 - EXISTING WELL
 - PROPOSED WELL BOX
 - PASSING PERCOLATION TEST

GENERAL NOTES

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER 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 ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
2. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT. THE LOT SIZE FOR THESE LOTS WILL FULFILL THE REQUIREMENTS OF THE ZONING REGULATIONS.
3. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
4. THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS OF CONCERN WITHIN 100' OF THE PROPERTY'S BOUNDARIES EXCEPT THAT WHICH ARE SHOWN. INFORMATION CONCERNING ADJOINING PROPERTIES HAS BEEN PROVIDED FROM THE BUREAU OF ENVIRONMENTAL HEALTH.
5. THE EXISTING TOPOGRAPHY SHOWN IS TAKEN FROM HOWARD COUNTY GIS WITH TWO-FOOT CONTOUR INTERVALS. TRACT OUTLINE IS ESTABLISHED BY DEED OF RECORD PLAT No. 19465
6. AN ADVANCED PRE-TREATMENT SYSTEM, WHICH UTILIZES CURRENTLY ACCEPTABLE TECHNOLOGY TO PERFORM NITROGEN REDUCTION, MUST BE INSTALLED ON THE SEPTIC SYSTEMS FOR THIS SUBDIVISION. THESE ADVANCED PRE-TREATMENT SYSTEMS SHALL BE LIMITED TO THE SYSTEMS LISTED IN THE WEBSITE FOR BAY RESTORATION FUND (BRF). BEST AVAILABLE TECHNOLOGY FOR REMOVING NITROGEN FROM ONSITE SYSTEMS. A SUPPLEMENTAL SITE PLAN WITH ALL OF THE NECESSARY DETAILS FOR INSTALLATION OF THE SEPTIC SYSTEM WILL BE REQUIRED PRIOR TO THE RELEASE OF THE BUILDING PERMIT AND SYSTEM INSTALLATION PERMIT.
7. PERCOLATION TEST FEE RECEIPT NUMBER, REFERENCED IN THE APPROVING AUTHORITY CORRESPONDENCE IS A18700 AND PERMIT 18988.
8. THE PURPOSE OF THIS PERCOLATION CERTIFICATION IS TO ESTABLISH 1500 SQ. FT. OF WELL ZONE WITH ELLIPTICAL RADIUS OF 100 FEET AROUND THE ENTIRE SET/WELL ZONES FOR THIS PROPERTY.
9. THE WELL MUST BE DRILLED PRIOR TO BUILDING PERMIT ISSUANCE.

BENCHMARK ENGINEERING, INC.

ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 315
 ELLICOTT CITY, MARYLAND 21043
 PHONE: 410-465-6105 ▲ FAX: 410-465-6644
 BEI@BEI-CIVLENGINEERING.COM

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John M. Carney 12/15/15

PLAN PREPARER
 JOHN M. CARNEY, P.E.
 FOR BENCHMARK ENGINEERING INC.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

William for Maura Roxman 1/6/2016
 HOWARD COUNTY HEALTH OFFICER DATE

SOILS CHART - SOIL SURVEY HOWARD COUNTY, MARYLAND

SORT	SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME	K-VALUE
GgB			B		GLENELG LOAM, 3 TO 8 PERCENT SLOPES	0.2
GmB*	YES		C		GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES	0.37
MaC			B		MANOR LOAM, 8 TO 15 PERCENT SLOPES	0.24

TAKEN FROM WEB SOILS SURVEY MAP NO. 10, WOODBINE SE

OWNER: HOCK CHARLES D.
 3311 OAK WEST DRIVE
 ELLICOTT CITY, MD 21043

CONTRACT PURCHASER: TODD STUP
 BUSINESS FLOORING INC.
 240-401-3316

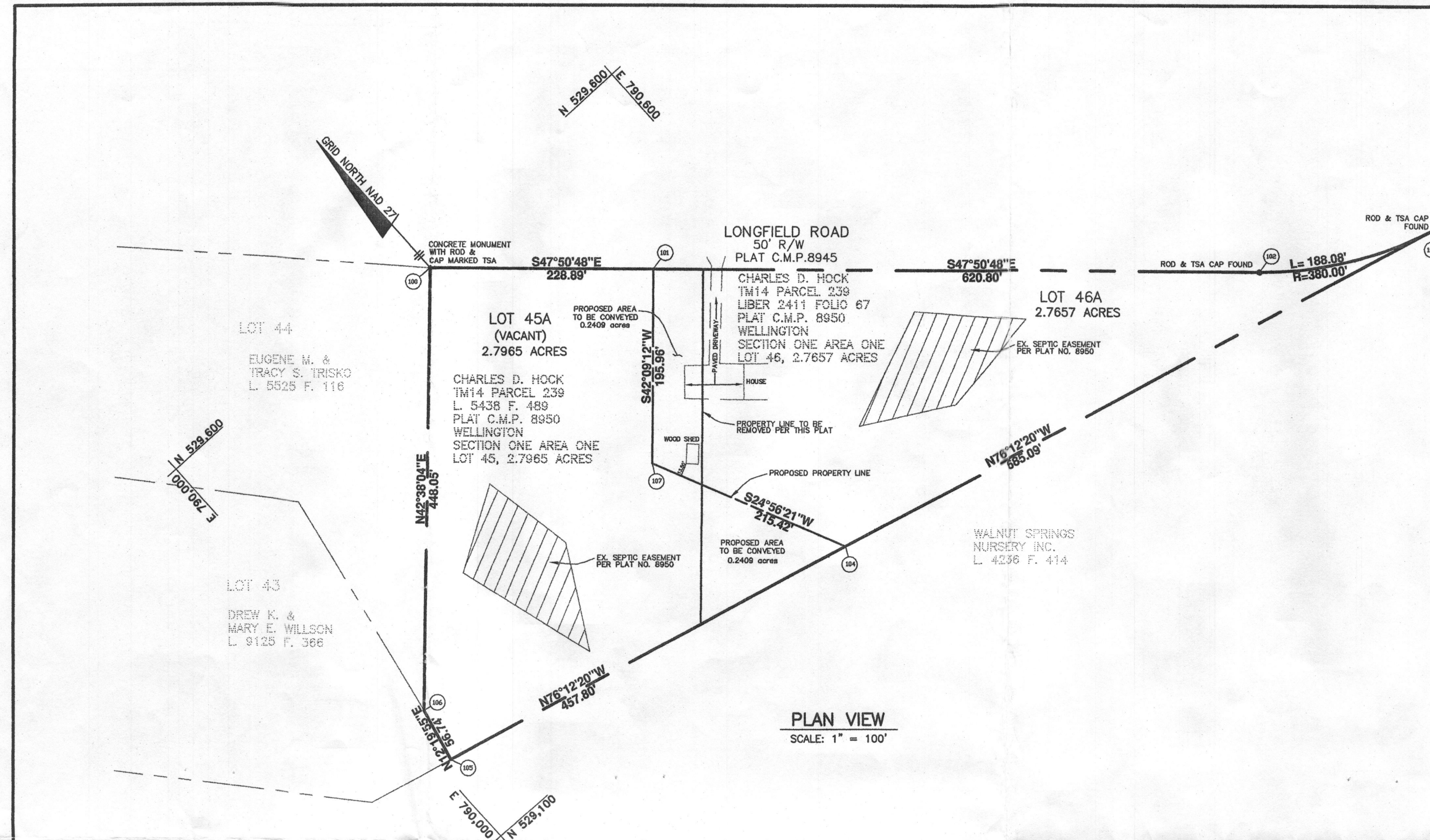
PROJECT: WELLINGTON SECTION ONE, AREA 1
 LOT 82
 (FORMERLY KNOWN AS LOT 45)

LOCATION: 3109 LONGFIELD ROAD
 GLENWOOD, MD 21738
 TAX MAP No. 14 - GRID 21 - PARCEL No. 239
 4TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 TAX ID NUMBER: 14-349717

FILE: PERCOLATION CERTIFICATION PLAN
 Revised
 PROPOSED 5-BEDROOM
 SINGLE FAMILY DWELLING

DATE: DECEMBER, 2015 PROJECT NO. 2722

DESIGN: JMC DRAFT: NAF SCALE: AS NOTED DRAWING 1 OF 1



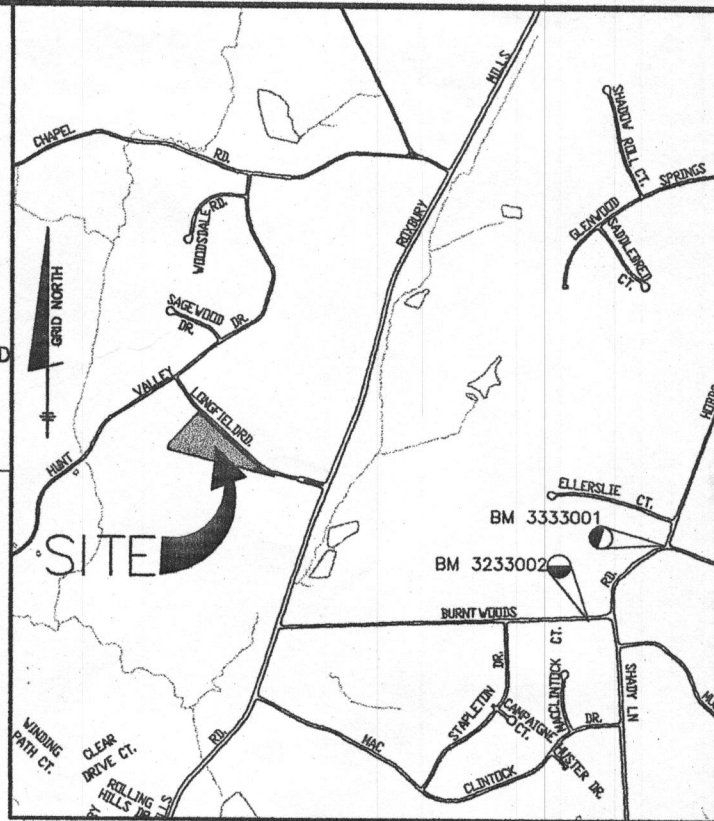
BENCHMARKS NAD 27

HO. CO. 3233002
 CONCRETE MONUMENT 0.3' BELOW SURFACE, 23.3' OFF CL. OF BURNTWOODS ROAD, APPROX. 260' EAST OF CL. SHADY LANE.
 N 527,437.496 ELEV. 592.174' E 794,403.005

HO. CO. 3333001
 CONCRETE MONUMENT 0.5' BELOW SURFACE, 30 FEET NORTHWEST OF THE INTERSECTION OF BURNTWOODS ROAD AND HOBBS ROAD.
 N 528,229.927 ELEV. 595.261' E 795,210.140

COORDINATE CHART (NAD '27)

No.	NORTH	EAST
100	529,577.9739	790,329.8872
101	529,424.3628	790,499.5741
102	529,007.7308	790,959.8107
103	528,920.4050	791,124.2276
104	529,083.7605	790,458.8951
105	529,192.9172	790,014.2965
106	529,248.3480	790,026.4147
107	529,279.0908	790,368.0649



VICINITY MAP
 SCALE: 1" = 2000'

THE REQUIREMENTS OF § 3-108, THE REAL PROPERTY ARTICLE, ANNOTATED CODE OF MARYLAND, 1988 REPLACEMENT VOLUME, (AS SUPPLEMENTED) AS FAR AS THEY RELATE TO THE MAKING OF THIS PLAT AND THE SETTING OF MARKERS HAVE BEEN COMPLIED WITH.

STEPHAN JALON
 REGISTERED PROFESSIONAL LAND SURVEYOR
 MD. REG. NO. 10726
 FOR BENCHMARK ENGINEERING INC.
 MD. REG. NO. 351

CHARLES D. HOCK, OWNER

PLAN VIEW
 SCALE: 1" = 100'

NOTES:

- DENOTES 4" X 4" X 30" CONCRETE MONUMENT TO BE SET.
 - DENOTES 3/8" X 30" PIPE OR STEEL MARKER TO BE SET.
 - DENOTES STONE FOUND.
 - ✦ DENOTES IRON PIPE FOUND.
- COORDINATES SHOWN HEREON ARE BASED ON THE MARYLAND STATE GRID SYSTEM, NAD 27, AS PROJECTED BY HO. CO. GEODETIC CONTROL STATIONS 218A AND 210B.
- BRL INDICATES BUILDING RESTRICTION LINE.
- SUBJECT PROPERTY ZONED RC-DEO PER 2-2-04 COMPREHENSIVE ZONING PLAN.
- ALL AREAS ON THIS PLAT ARE "MORE OR LESS".
- THIS PLAT IS BASED ON A PREVIOUSLY RECORDED PLAT NO. 8950.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO RESIDENTIAL OCCUPANCY TO INSURE SAFE FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 - WIDTH - 12' (14' SERVING MORE THAN ONE RESIDENCE).
 - SURFACE - 6" OF COMPACT CRUSHER RUN BASE WITH TAR.
 - GEOMETRY - MAXIMUM 15% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM 45' TURNING RADIUS.
 - STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING).
 - DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOODPLAIN WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY.
 - STRUCTURE CLEARANCES - MINIMUM 12 FEET.
 - MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE NECESSARY.
- THIS PLAT IS SUBJECT TO THE FOLLOWING DEPARTMENT OF PLANNING AND ZONING FILE NUMBERS S-88-54, P-88-58 AND F-89-127
- THERE IS AN EXISTING DWELLING/STRUCTURE LOCATED ON LOT 46 (PROPOSED LOT 46A) TO REMAIN. NO NEW BUILDINGS, EXTENSIONS OR ADDITIONS TO THE EXISTING DWELLING ARE TO BE CONSTRUCTED AT A DISTANCE LESS THAN THE ZONING REGULATIONS REQUIRE. LOT 45 IS CURRENTLY A VACANT LOT. THE EXISTING AND PROPOSED LOT ACREAGES ARE INTENDED TO BE THE SAME AS THE EXISTING ACREAGE.

TOTAL TABULATION THIS SUBMISSION

TOTAL NUMBER OF BUILDABLE LOTS TO BE RECORDED.	2
TOTAL AREA OF BUILDABLE LOTS TO BE RECORDED.	5.5622 AC.±
TOTAL NUMBER OF OPEN SPACE LOTS TO BE RECORDED.	0
TOTAL AREA OF OPEN SPACE LOTS TO BE RECORDED.	0 AC.
TOTAL NUMBER OF BUILDABLE PRES. PARCELS TO BE RECORDED.	0
TOTAL AREA OF BUILDABLE PRES. PARCELS TO BE RECORDED.	0 AC.
TOTAL NUMBER OF NON-BUILDABLE PRES. PARCELS TO BE RECORDED.	0
TOTAL AREA OF NON-BUILDABLE PRES. PARCELS TO BE RECORDED.	0 AC.
TOTAL NUMBER OF NON-BUILDABLE PARCELS TO BE RECORDED.	0
TOTAL AREA OF NON-BUILDABLE PARCELS TO BE RECORDED.	0 AC.
TOTAL AREA OF RIGHT OF WAY TO BE RECORDED.	0 AC.
TOTAL AREA OF 100 YR. FLOODPLAIN TO BE RECORDED.	0 AC.
TOTAL AREA OF THIS PLAT TO BE RECORDED.	5.5622 AC.±

THE SOLE AND ONLY PURPOSE OF THIS "PLAT OF RESUBDIVISION" IS TO REVISE THE LOT LINE BETWEEN EXISTING LOTS 45 AND 46.

ENGINEER:
 BENCHMARK ENGINEERING, INC.
 8480 BALT. NATL. PIKE, SUITE 418
 ELLICOTT CITY, MARYLAND 21043
 410-465-6105

OWNER/DEVELOPER:
 CHARLES D. HOCK
 3101 LONGFIELD ROAD
 GLENWOOD, MD 21738

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWER SYSTEMS, IN ACCORDANCE WITH THE MASTER PLAN OF WATER AND SEWERAGE FOR HOWARD COUNTY.

COUNTY HEALTH OFFICER _____ DATE _____

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION _____ DATE _____

DIRECTOR _____ DATE _____

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF THAT THE INFORMATION SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF ALL OF THE LAND ACQUIRED BY CHARLES D. HOCK FROM GYC BUILDERS, INC. BY DEED DATED OCTOBER 25, 1991 AND RECORDED IN LIBER 2411 AT FOLIO 67 AND ALL OF THE LAND ACQUIRED BY CHARLES D. HOCK FROM NANCY LEE HOCK BY DEED DATED APRIL 23, 2001 AND RECORDED IN LIBER 5438 AT FOLIO 489 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO ACCEPTANCE OF THE ROADS BY HOWARD COUNTY, IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

STEPHAN JALON _____ DATE _____
 REGISTERED PROFESSIONAL LAND SURVEYOR
 MD. REG. NO. 10726
 FOR BENCHMARK ENGINEERING INC.
 MD. REG. NO. 351

OWNER'S DEDICATION

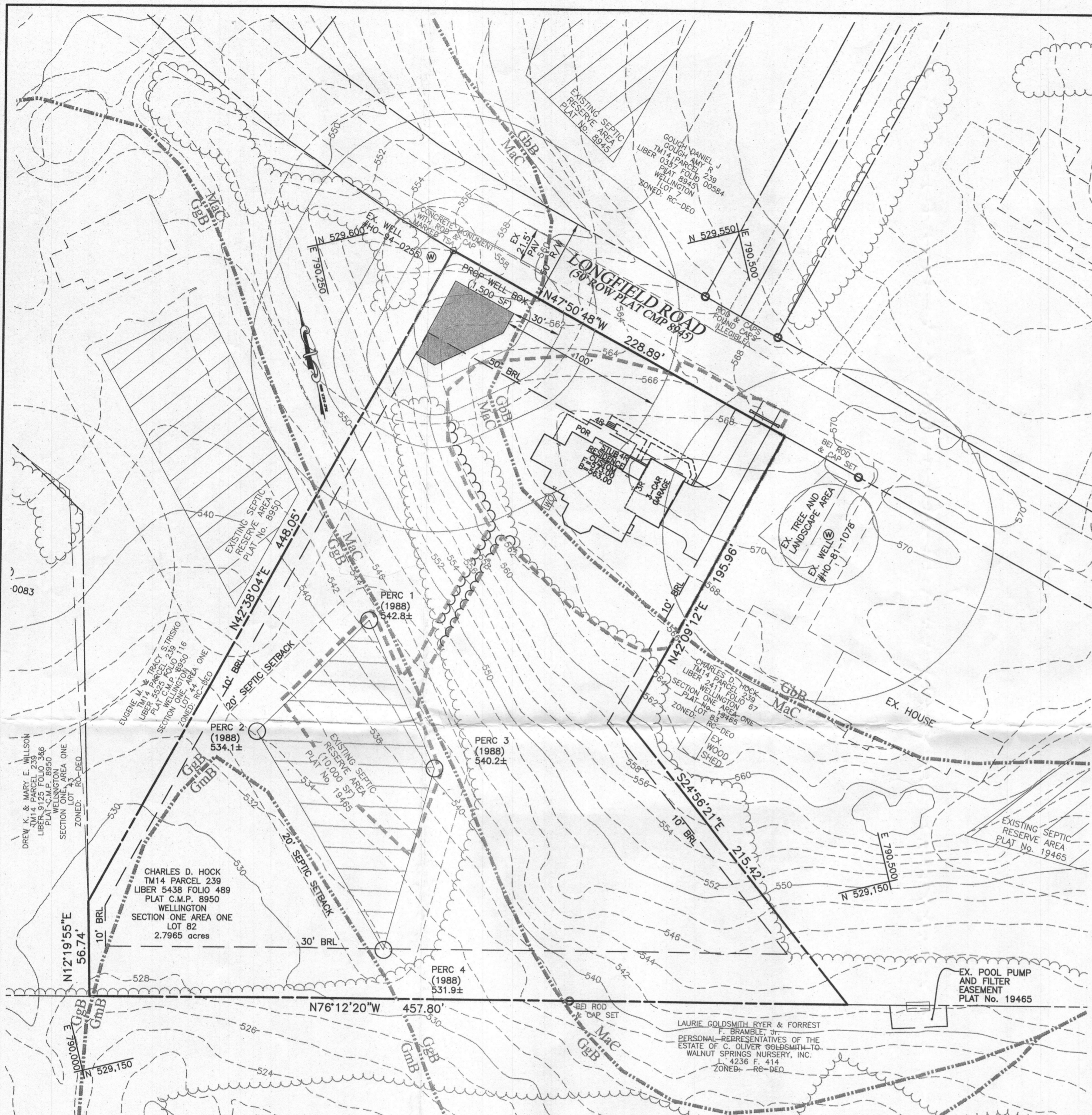
"CHARLES D. HOCK, OWNER OF THE PROPERTY SHOWN HEREON, HEREBY ADOPTS THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF APPROVAL OF THIS FINAL PLAT BY THE DEPARTMENT OF PLANNING AND ZONING, ESTABLISHES THE MINIMUM BUILDING RESTRICTION LINES AND GRANTS UNTO HOWARD COUNTY, MARYLAND, ITS SUCCESSORS AND ASSIGNS, (1) THE RIGHT TO LAY, CONSTRUCT AND MAINTAIN SEWERS, DRAINS, WATER PIPES, AND OTHER MUNICIPAL UTILITIES AND SERVICES, IN AND UNDER ALL ROADS AND STREET RIGHTS-OF-WAY, AND THE SPECIFIC EASEMENT AREAS SHOWN HEREON, (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS, FLOODPLAINS AND OPEN SPACE WHERE APPLICABLE, AND FOR GOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANTS THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADS AND FLOODPLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACE WHERE APPLICABLE, (3) THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR AND MAINTENANCE, AND (4) THAT NO BUILDING OR SIMILAR STRUCTURE OF ANY KIND SHALL BE ERRECTED ON OR OVER THE SAID EASEMENTS AND RIGHTS-OF-WAY, WITNESS OUR HANDS THIS ____ DAY OF _____, 2007."

CHARLES D. HOCK _____
 WITNESS _____

RECORDED AS PLAT NO. _____
 ON _____ AMONG THE LAND
 RECORDS OF HOWARD COUNTY, MARYLAND.

**RESUBDIVISION PLAT
 WELLINGTON**
SECTION ONE, AREA 1
 LOTS 45 AND 46
 A RESUBDIVISION OF LOTS 45 AND 46
 PREVIOUSLY RECORDED AS
 PLAT NO. 8950

4th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND
 S-88-54, P-88-58 AND F-89-127
 ZONING: RC-DEO SCALE: AS SHOWN
 TAX MAP: 14 DATE: 05/16/07
 P.O. PARCEL: 239 SHEET: 1 of 1



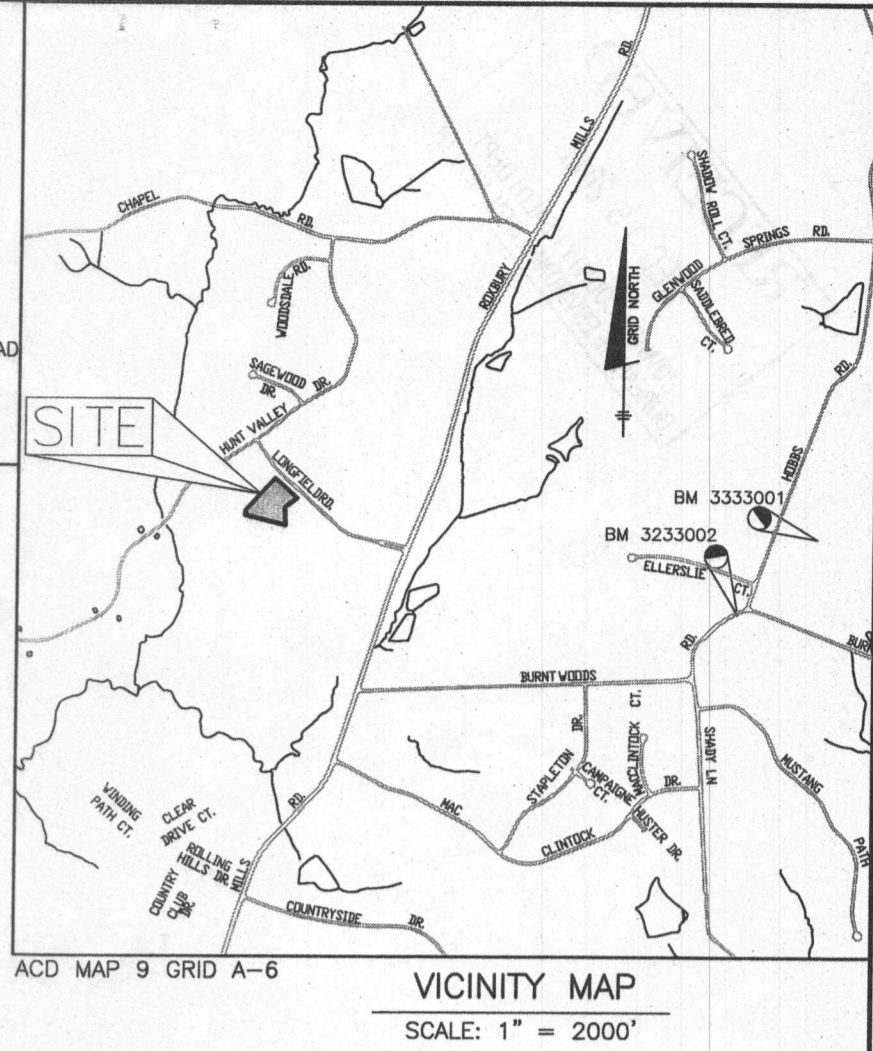
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LEGEND

SOILS CLASSIFICATION GbB
 SOILS DELINEATION
 EXISTING CONTOURS (GIS)
 EXISTING WOODS LINE
 PROPOSED WOODS LINE
 EXISTING SEPTIC FIELD
 EXISTING WELL
 PROPOSED WELL BOX
 PASSING PERCOLATION TEST



GENERAL NOTES

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John M. Carney 12/15/15

PLAN PREPARER
 JOHN M. CARNEY, P.E.
 FOR BENCHMARK ENGINEERING INC.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

Maureen Rossman 11/6/2016
 HOWARD COUNTY HEALTH OFFICER

OWNER:
 HOCK CHARLES D.
 3311 OAK WEST DRIVE
 ELLICOTT CITY, MD 21043

CONTRACT PURCHASER:
 TODD STUP
 BUSINESS FLOORING INC.
 240-401-3316

PROJECT:
WELLINGTON SECTION ONE, AREA 1
 LOT 82
 (FORMERLY KNOWN AS LOT 45)

LOCATION:
 3109 LONGFIELD ROAD
 GLENWOOD, MD 21738
 TAX MAP No. 14 - GRID 21 - PARCEL No. 239
 4TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 TAX ID NUMBER: 14-349717

TITLE:
Keiser PERCOLATION CERTIFICATION PLAN
 PROPOSED 5-BEDROOM
 SINGLE FAMILY DWELLING

DATE: DECEMBER, 2015 PROJECT NO. 2722

DESIGN: JMC DRAFT: NAF SCALE: AS NOTED DRAWING 1 OF 1

SOILS CHART - SOIL SURVEY HOWARD COUNTY, MARYLAND

SOIL	SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME	K-VALUE
GgB			B		GLENELG LOAM, 3 TO 8 PERCENT SLOPES	0.2
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TAKEN FROM WEB SOILS SURVEY MAP NO. 10, WOODBINE SE