

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 528985

AGENCY REVIEW: _____

DATE 6/11/08

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH 4 PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Debba Burt

DAYTIME PHONE 443 277 7526 CELL SAME FAX 410 552-5815

MAILING ADDRESS 2530 Peffercorn Rd. Glenely MD 21794
STREET CITY/TOWN STATE ZIP

APPLICANT Ronnie Heaps / JM Contracting LLC

DAYTIME PHONE 443 277 7526 CELL SAME FAX 410 552 5815

MAILING ADDRESS 425 O Brecht Rd. Sykesville MD 21794
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS 2530 Peffercorn Rd. Glenely Md, 21794
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE _____

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

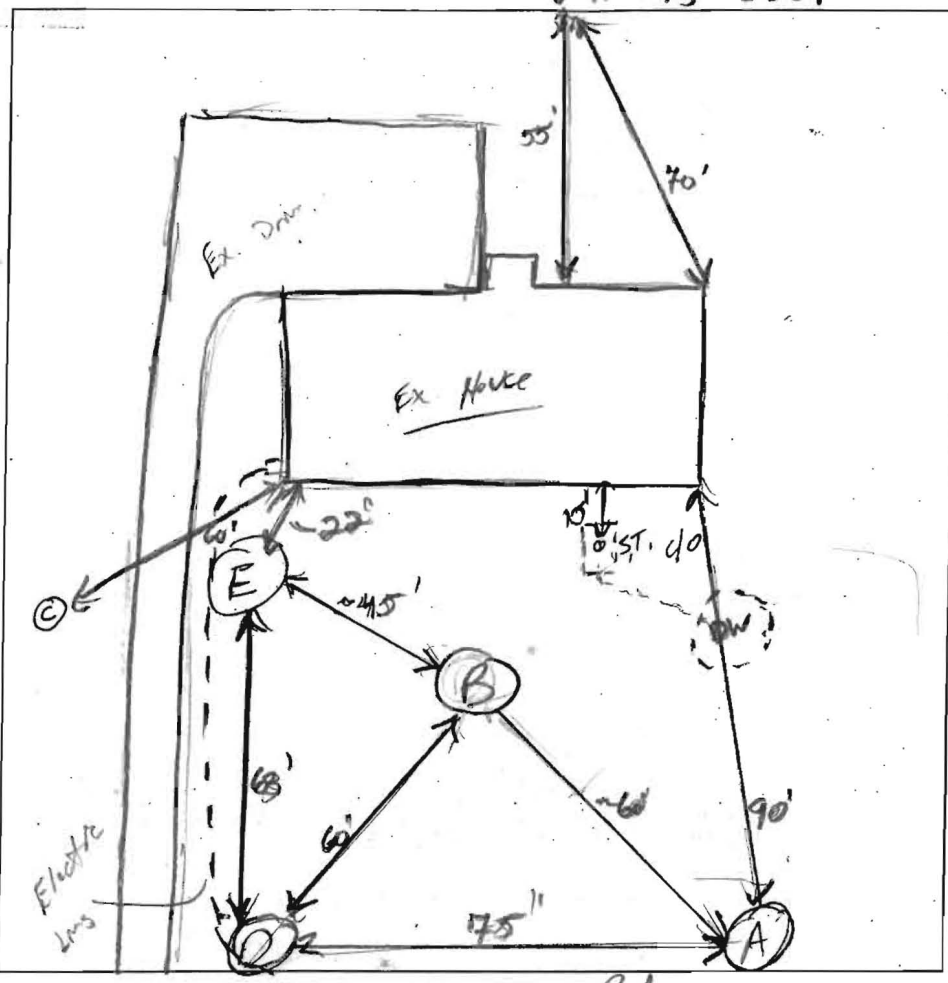
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

(A)
 WK Lm. 6"
 Or Br. CL
 SBK, weak, Dry, granular
 li Br. SL 4"
 Moderate - Med. SBK, Dry, <10% schist channels, Friable
 SL Pale Br. 7"
 15% sandstone Friable Supralite. Dry, 14"

(B)
 Or Br. CL
 SBK medium, Friable, Dry, 10% Rx 4"
 Pale Brown CL SBK 6"
 Pale Br. SCL massive granular structure common mica flakes, 5% Rx, ↓ channels, SL Dry, ↓ 14"

(C)
 Roots. SCL 1"
 Or Br. VESL
 Miscellaneous, Friable, 20% channels 4.5"
 li Br. Cherty SL, Friable, Med. Thin platy structure inherited from rx. bedding, micaceous, 35% Rx, slightly decomposed 12.5"



(D)
 DK Br. om 8"
 Dr. Br. CL, Friable, micaceous 4"
 SCL Pale Br. 4"
 WSBK 5% channels micaceous 6"
 SL Pale Br. Yellow micaceous, 5% channels, massive. ↓ LS, cherty Dry friable 14"

(E)
 Br. om SBK 8"
 str. Br. CL WSBK, Friable 4.5"
 Medium Or Br. SL <20% clay massive, 30% channels, micaceous. ↓ consistent ↑ in stony ↓ structure 13.5"

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
6/20/08	(A)	5' / 14'	9:36	9:47	10:02	15	P
	(B)	7' / 14'	10:03	10:16	10:36	20	P
	(C)	3' / 12.5'	10:34	10:36	10:40	4	P
	(D)	7' 2" / 14'	10:59	11:02	11:06	4	P
	(E)	5' 3" / 13'	11:16	11:18	11:20	2 Repair	
		Repair	11:29	11:23	11:28	5	P

REMARKS: Hole (C) is questionable
 SANITARIAN: (KW) BACKHOE: Penn Hops OTHERS: Bob
 TEST HOLES USED IN SDA: 4 AVG. PERC TIME: 9.6 SQ. FT/BR
 TRENCH WIDTH: INLET DEPTH: MAX. BOT DEPTH: EFFECTIVE SW:

3BR now, size for 4BR
 $600 / 0.8 = 750 \div 2 = 375 (1.44) = 165 LF$
 5-9" (3' SW) (.44)



HOWARD COUNTY HEALTH DEPARTMENT

Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia Maryland 21046
(410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 Toll Free 1-877-4MD-DHMH

Peter Beilenson, M.D., M.P.H., Health Officer

PERCOLATION CERTIFICATION PLAN / PRELIMINARY PLAN REQUIREMENTS

EXCEPT AS PROVIDED BY ITEMS I., II., AND III. IN THE FOLLOWING PARAGRAPH, BEFORE A BUILDING PERMIT IS ISSUED, A PERCOLATION CERTIFICATION PLAN SHALL BE SUBMITTED AND APPROVED THAT COMPLIES WITH THE PROVISIONS OF TITLE 3, SUBTITLE 8 OF HOWARD COUNTY CODE:

A BUILDING PERMIT MAY BE EXEMPT FROM A PERCOLATION CERTIFICATION PLAN WHEN THE PROPOSED STRUCTURE:

- (I) DOES NOT INCREASE THE AMOUNT OF LIVING SPACE;
- (II) IS LESS THAN 250 SQUARE FEET AND IS NOT A GARAGE; AND
- (III) THE EXISTING ON-SITE SEWAGE DISPOSAL SYSTEM IS ADEQUATE FOR THE EXISTING PROPERTY USE.

PERCOLATION CERTIFICATION PLANS OR PRELIMINARY PLANS MUST INCLUDE THE FOLLOWING SPECIFIC ITEMS:

- 1) IDENTIFICATION OF THE PROPERTY, ROAD, STREET ADDRESS IF APPLICABLE, TAX MAP PAGE, PARCEL NUMBER, SUBDIVISION NAME (IF APPROPRIATE); A PURPOSE STATEMENT AS APPROPRIATE (RE-SUBDIVISION, SDA ADJUSTMENT, ETC.).
- 2) NAME, ADDRESS, AND TELEPHONE NUMBER OF THE OWNER, DEVELOPER, AND THE PERSON PREPARING THE PLAN.

Perc

- 3) THE DATE THE PLAN WAS DRAWN, THE PLAN SCALE (1:30 – 1:100), A SCALED VICINITY MAP AND IF NOT A PRELIMINARY PLAN, THE A # (PERCOLATION TEST FEE RECEIPT NUMBER, REFERENCED IN THE APPROVING AUTHORITY CORRESPONDENCE).
- 4) HEALTH OFFICER SIGNATURE BLOCK CONDITIONED WITH THE STATEMENT: “APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.”
- 5) EXISTING AND ANY PROPOSED PROPERTY LINES.
- 6) EXCEPT FOR STAKED HOLES NOT DUG, ALL EXCAVATED TEST HOLES OBSERVED BY THE APPROVING AUTHORITY, IDENTIFIED ACCORDING TO THE ORIGINAL PERCOLATION TESTING PROPOSAL, OR, AS OTHERWISE IDENTIFIED AT THE TIME OF TESTING.
- 7) ACTUAL SURVEYED ELEVATION (NOT BASED ON COUNTY AERIAL TOPOGRAPHY) OF EACH TEST HOLE.
- 8) LEGEND SYMBOLS TO DISTINGUISH HOLES, WHICH PASSED, FAILED, OR WERE HELD FOR FUTURE REVIEW (E.G., FOR WET SEASON).
- 9) LEGEND SYMBOLS TO DISTINGUISH BETWEEN EXISTING HOLES PREVIOUSLY DOCUMENTED AND NEW HOLES.
- 10) FOR LOTS CREATED AFTER MARCH 1972, PROPOSED MINIMUM 10,000 SQ. FT. SEWAGE DISPOSAL AREA FOR EACH LOT AND FOR LOTS CREATED BEFORE MARCH 1972, PROPOSED ADEQUATE AREA FOR AN INITIAL SYSTEM AND 2 REPAIR SYSTEMS.
- 11) FIELD VERIFIED/FIELD RUN TOPOGRAPHY AT TWO-FOOT INTERVALS AND STATEMENT CERTIFYING SUCH. ONE-FOOT INTERVALS ARE REQUIRED FOR MOUND SYSTEMS AND SYSTEMS WITH PIPE DEPTH LESS THAN TWO FEET.
- 12) EXISTING STRUCTURES, WELLS, SEPTIC SYSTEMS AND SEWAGE EASEMENTS (LIST USE AND INTENT DESIGNATED FOR EACH (FOR EXAMPLE: REMAIN, REMOVE OR ABANDON)).

- 13) THREE (3) PROPOSED WELL SITES OR 1500 SQ. FT. OF WELL ZONE WITH ELLIPTICAL RADIUS OF 100 FEET AROUND THE ENTIRE SET/WELL ZONE FOR EACH LOT.
- 14) IF REQUIRED, CERTIFICATION THAT A GROUNDWATER APPROPRIATIONS PERMIT WILL BE ISSUED.
- 15) ALL WELLS WILL BE DRILLED PRIOR TO PLAT. INCLUDE THIS NOTE: "ALL WELLS TO BE DRILLED PRIOR TO FINAL PLAT APPROVAL. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED GOVERNMENT DELAY IF THE WELL-DRILLING HOLDS UP THE HEALTH DEPARTMENT SIGNATURE OF THE PLAT. (APPLICABLE TO PROPOSED SUBDIVISION ONLY)
- 16) IDENTIFICATION OF STREAMS, PONDS, FLOODPLAINS, 25% AND GREATER SLOPES, SOIL TYPES AND SOIL TYPE BOUNDARIES.
- 17) SUITABLE HOUSE SITE (55 FEET X 70 FEET) AND DRIVEWAY WITH BUILDING RESTRICTION LINES AS DETERMINED BY OTHER COUNTY AGENCIES.
- 18) ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF PROPERTY BOUNDARIES AND A NOTE STATING SUCH. THE ENGINEER SHALL USE ALL REASONABLE EFFORTS TO FIND THE LOCATION OF ALL SURROUNDING WELLS AND SEPTIC SYSTEMS AND A NOTE STATING SUCH.
- 19) ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS.
- 20) PROFESSIONAL SEAL, OR THE FOLLOWING STATEMENT WITH SIGNATURE: "I CERTIFY THAT THE INFORMATION SHOWN HERON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF."
- 21) INCLUDE THE FOLLOWING STATEMENT: "ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN."

22) INCLUDE ONE OF THESE STATEMENTS ('A' OR 'B') AS APPLICABLE:

A. "MDE SEWAGE EASEMENT STATEMENT FOR LOTS CREATED AFTER MARCH 1972:

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT 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 SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.";

OR

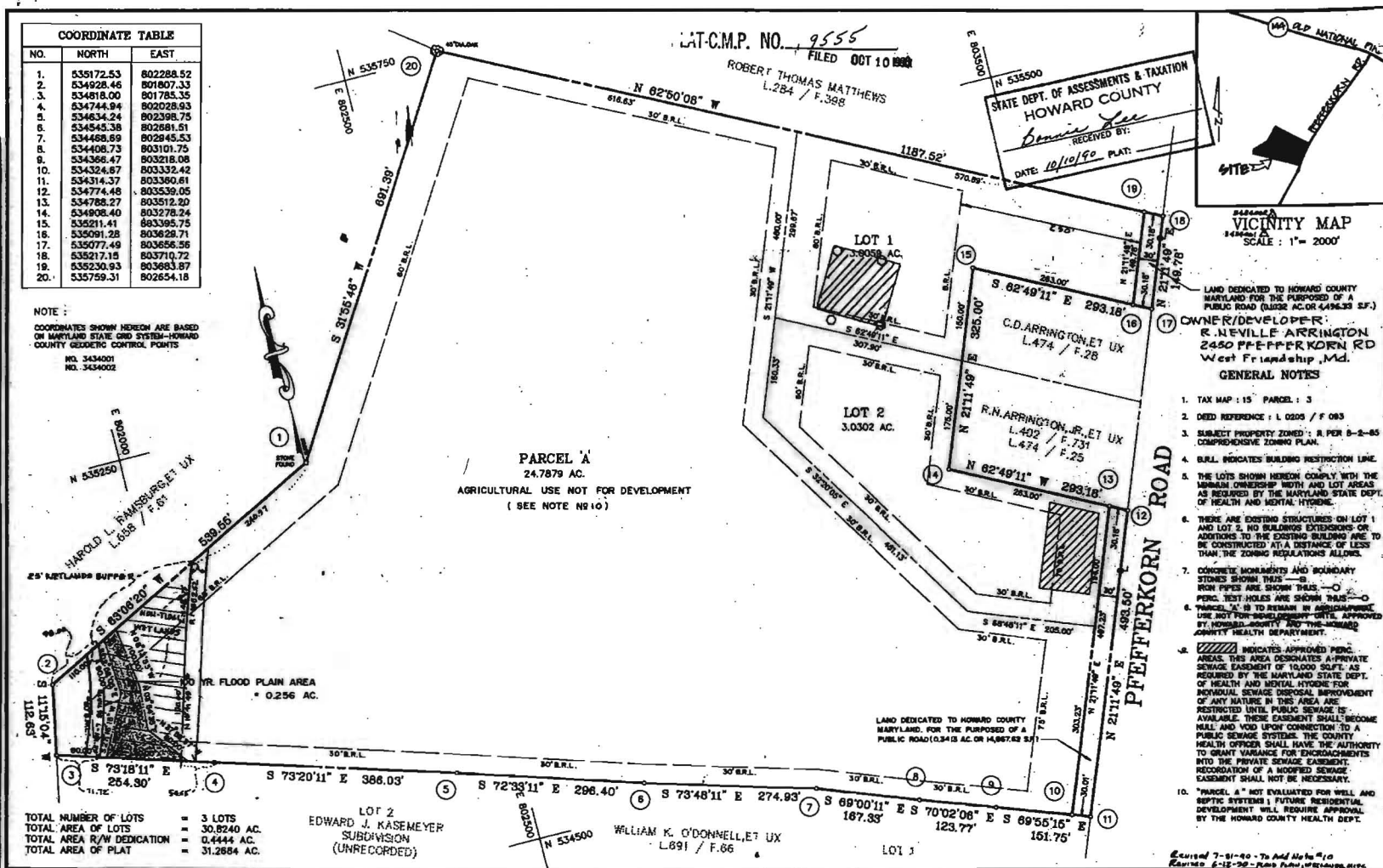
B. "MDE SEWAGE DISPOSAL AREA STATEMENT FOR LOTS CREATED BEFORE MARCH 1972:

THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA."

23) FOR PROPOSED SUBDIVISIONS AND RETESTS OF LOTS CREATED AFTER NOVEMBER 1985, CERTIFICATION OF COMPLIANCE WITH MDE OWNERSHIP WIDTH REQUIREMENTS AND THE STATEMENT THAT "THE LOT(S) SHOWN HEREON COMPLIES/COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT."

COORDINATE TABLE		
NO.	NORTH	EAST
1.	535172.53	802288.52
2.	534928.46	801807.33
3.	534818.00	801785.35
4.	534744.84	802028.93
5.	534634.24	802398.75
6.	534545.38	802881.51
7.	534468.89	802845.53
8.	534408.73	803101.75
9.	534366.47	803218.08
10.	534324.87	803332.42
11.	534314.37	803380.61
12.	534774.48	803539.05
13.	534788.27	803512.20
14.	534908.40	803278.24
15.	535211.41	803395.75
16.	535091.28	803628.71
17.	535077.49	803656.58
18.	535217.15	803710.72
19.	535230.93	803683.87
20.	535759.31	802654.18

NOTE:
 COORDINATES SHOWN HEREON ARE BASED ON MARYLAND STATE GRID SYSTEM-HOWARD COUNTY GEODETIC CONTROL POINTS
 NO. 3434001
 NO. 3434002



TOTAL NUMBER OF LOTS = 3 LOTS
 TOTAL AREA OF LOTS = 30.9240 AC.
 TOTAL AREA R/W DEDICATION = 0.4444 AC.
 TOTAL AREA OF PLAT = 31.2884 AC.

LOT 2
 EDWARD J. KASEMEYER
 SUBDIVISION
 (UNRECORDED)

WILLIAM K. O'DONNELL, ET UX
 L.891 / F.66

APPROVED: FOR PRIVATE WATER & SEWERAGE SYSTEMS AND STORM DRAINAGE.
 HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 1/19/90
 HOWARD COUNTY HEALTH OFFICER

APPROVED: FOR PLANNING AND ZONING.
 HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
[Signature] 1/19/90
 DIRECTOR

APPROVED: FOR PRIVATE WATER & SEWERAGE SYSTEMS, STORM DRAINAGE AND PUBLIC ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 1/19/90
 DIRECTOR

OWNER'S CERTIFICATE

I, R. NEVILLE ARRINGTON, OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON ADOPT THIS PLAN OF SUBDIVISION AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE DEPARTMENT OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINE AND 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 BY AND UNDER ALL ROADS AND STREETS RIGHT-OF-WAYS AND THE SPECIFIC EASEMENT AREA SHOWN HEREON, (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS AND FLOOD PLAINS AND OPEN SPACES WHERE APPLICABLE, AND FOR DOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO THE STREETS AND/OR ROADS AND FLOOD PLAINS, STORM DRAINAGE FACILITIES AND OPEN SPACES WHERE APPLICABLE AND (3) THE RIGHT TO REQUIRE DEDICATION OF WATER WAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR AND MAINTENANCE AND (4) THAT NO BUILDING OR STRUCTURE OF ANY KIND SHALL BE ERRECTED ON OR OVER THE SAID EASEMENTS AND RIGHT-OF-WAYS.

WITNESS OUR HANDS THIS 19th day of January 1990

[Signature]
 R. NEVILLE ARRINGTON

[Signature]
 WITNESS

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF PART OF THE LAND CONVEYED BY HAZEL GLASSCOCK & HAZEL F. GLASSCOCK HIS WIFE, TO R. NEVILLE ARRINGTON & HAZEL H. ARRINGTON, HIS WIFE, BY A DEED DATED JULY 30, 1948 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN LIBER 0024 AT FOLIO 083 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE WITH THE ANNOTATED CODE OF MARYLAND AS AMENDED.

HAZEL H. ARRINGTON DEPARTED THIS LIFE.

[Signature]
 JACK CLARK
 REGISTERED PROFESSIONAL LAND SURVEYOR
 MARYLAND REGISTRATION NO. 4378

RECORDED AS PLAT ON AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

R. NEVILLE ARRINGTON SUBDIVISION
LOTS 1-2 & PARCEL A
 Third Election District
 Howard County, Maryland.

PREPARED BY:
 THE J.E. CLARK COMPANY
 LAND SURVEYING AND ENGINEERING
 P.O. BOX 147 LAUREL, MARYLAND 20707
 (301) 725-3442

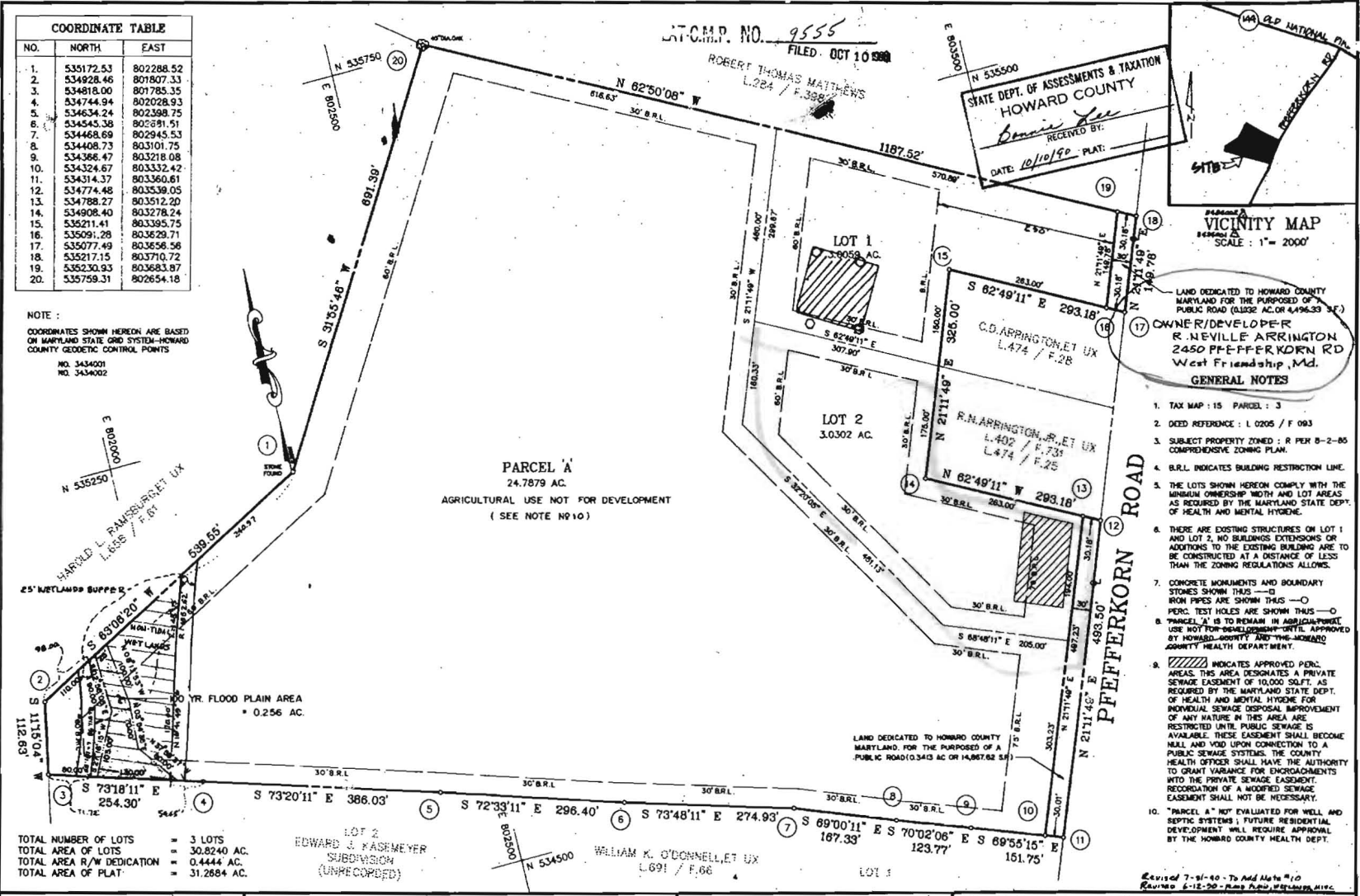
ZONED: R
 TAX MAP: 15
 PARCEL: 3
 SCALE: 1"=100'
 DATE: NOV. 1988
 DWN. BY: C.A.D.
 CHK. BY: J.E.C.

SHEET 1 OF 1

Lot 2 is 2450 Peffercorn
(2530)
Lot 2

COORDINATE TABLE		
NO.	NORTH	EAST
1.	535172.53	802288.52
2.	534928.46	801807.33
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20.	535759.31	802654.18

NOTE:
COORDINATES SHOWN HEREON ARE BASED ON MARYLAND STATE GRID SYSTEM HOWARD COUNTY GEODETIC CONTROL POINTS
NO. 3434001
NO. 3434002



TOTAL NUMBER OF LOTS = 3 LOTS
TOTAL AREA OF LOTS = 30.8240 AC.
TOTAL AREA R/W DEDICATION = 0.4444 AC.
TOTAL AREA OF PLAT = 31.2884 AC.

LAND DEDICATED TO HOWARD COUNTY MARYLAND FOR THE PURPOSES OF PUBLIC ROAD (LUJZE AC. OR 4.94633 AC.)
OWNER/DEVELOPER
R. NEVILLE ARRINGTON
2450 PFEFFERKORN RD
West Friendship, Md.
GENERAL NOTES

- TAX MAP: 15 PARCEL: 3
- DEED REFERENCE: L 0205 / F 093
- SUBJECT PROPERTY ZONED: R PER B-2-80 COMPREHENSIVE ZONING PLAN.
- B.R.L. INDICATES BUILDING RESTRICTION LINE.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREAS AS REQUIRED BY THE MARYLAND STATE DEPT. OF HEALTH AND MENTAL HYGIENE.
- THERE ARE EXISTING STRUCTURES ON LOT 1 AND LOT 2. NO BUILDING EXTENSIONS OR ADDITIONS TO THE EXISTING BUILDING ARE TO BE CONSTRUCTED AT A DISTANCE OF LESS THAN THE ZONING REGULATIONS ALLOWS.
- CONCRETE MONUMENTS AND BOUNDARY STONES SHOWN THIS — □ IRON PIPES ARE SHOWN THIS — ○ PERC. TEST HOLES ARE SHOWN THIS — ○
- "PARCEL A" IS TO REMAIN IN AGRICULTURAL USE NOT FOR RESIDENTIAL DEVELOPMENT APPROVED BY HOWARD COUNTY AND THE HOWARD COUNTY HEALTH DEPARTMENT.
- INDICATES APPROVED PERC. AREAS. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 G.P.D. AS REQUIRED BY THE MARYLAND STATE DEPT. OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENT 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 SYSTEMS. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCE FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- "PARCEL A" NOT EVALUATED FOR WELL AND SEPTIC SYSTEMS; FUTURE RESIDENTIAL DEVELOPMENT WILL REQUIRE APPROVAL BY THE HOWARD COUNTY HEALTH DEPT.

APPROVED: FOR PRIVATE WATER & SEWERAGE SYSTEMS AND STORM DRAINAGE.
HOWARD COUNTY HEALTH DEPARTMENT.
James M. [Signature] 12/1/90
HOWARD COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
[Signature] (S. 1. 90)
DIRECTOR DATE

APPROVED: FOR PRIVATE WATER & SEWERAGE SYSTEMS, STORM DRAINAGE AND PUBLIC ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
James [Signature] 12/1/90
DIRECTOR DATE

OWNER'S CERTIFICATE
I, R. NEVILLE ARRINGTON, OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON ADOPT THIS PLAN OF SUBDIVISION AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAN BY THE DEPARTMENT OF PLANNING AND ZONING, ESTABLISH THE MINIMUM BUILDING RESTRICTION LINE AND 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 STREETS RIGHT-OF-WAYS AND THE SPECIFIC EASEMENT AREA SHOWN HEREON; (2) THE RIGHT TO REQUIRE DEDICATION FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS AND FLOOD PLANS AND OPEN SPACES WHERE APPLICABLE, AND FOR GOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANT THE RIGHT AND OPTION TO HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE TITLE TO THE STREETS AND/OR ROADS AND FLOOD PLANS, STORM DRAINAGE FACILITIES AND OPEN SPACES WHERE APPLICABLE AND (3) THE RIGHT TO REQUIRE DEDICATION OF WATER WAYS AND DRAINAGE EASEMENTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION, REPAIR AND MAINTENANCE AND (4) THAT NO BUILDING OR STRUCTURE OF ANY KIND SHALL BE ERRECTED ON OR OVER THE SAID EASEMENTS AND RIGHT-OF-WAYS.
WITNESS OUR HANDS THIS 35 DAY of January 1990
R. Neville Arrington *William C. Arrington*
R. NEVILLE ARRINGTON WITNESS

SURVEYOR'S CERTIFICATE
I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT, THAT IT IS A SUBDIVISION OF PART OF THE LAND CONVEYED BY WALTON GLASSCOCK & HAZEL F. GLASSCOCK HIS WIFE, TO R. NEVILLE ARRINGTON & HAZEL H. ARRINGTON HIS WIFE, BY A DEED DATED JULY 30, 1988 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND IN USER 0205 AT FOLIO 093 AND THAT ALL MONUMENTS ARE IN PLACE OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE WITH THE ANNOTATED CODE OF MARYLAND AS AMENDED.
HAZEL H. ARRINGTON DEPARTED THIS LIFE AT [Signature]
Jack E. Clark
JACK E. CLARK
REGISTERED PROFESSIONAL LAND SURVEYOR
MARYLAND REGISTRATION NO. 4379

RECORDED AS PLAT ON [Signature] AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND.

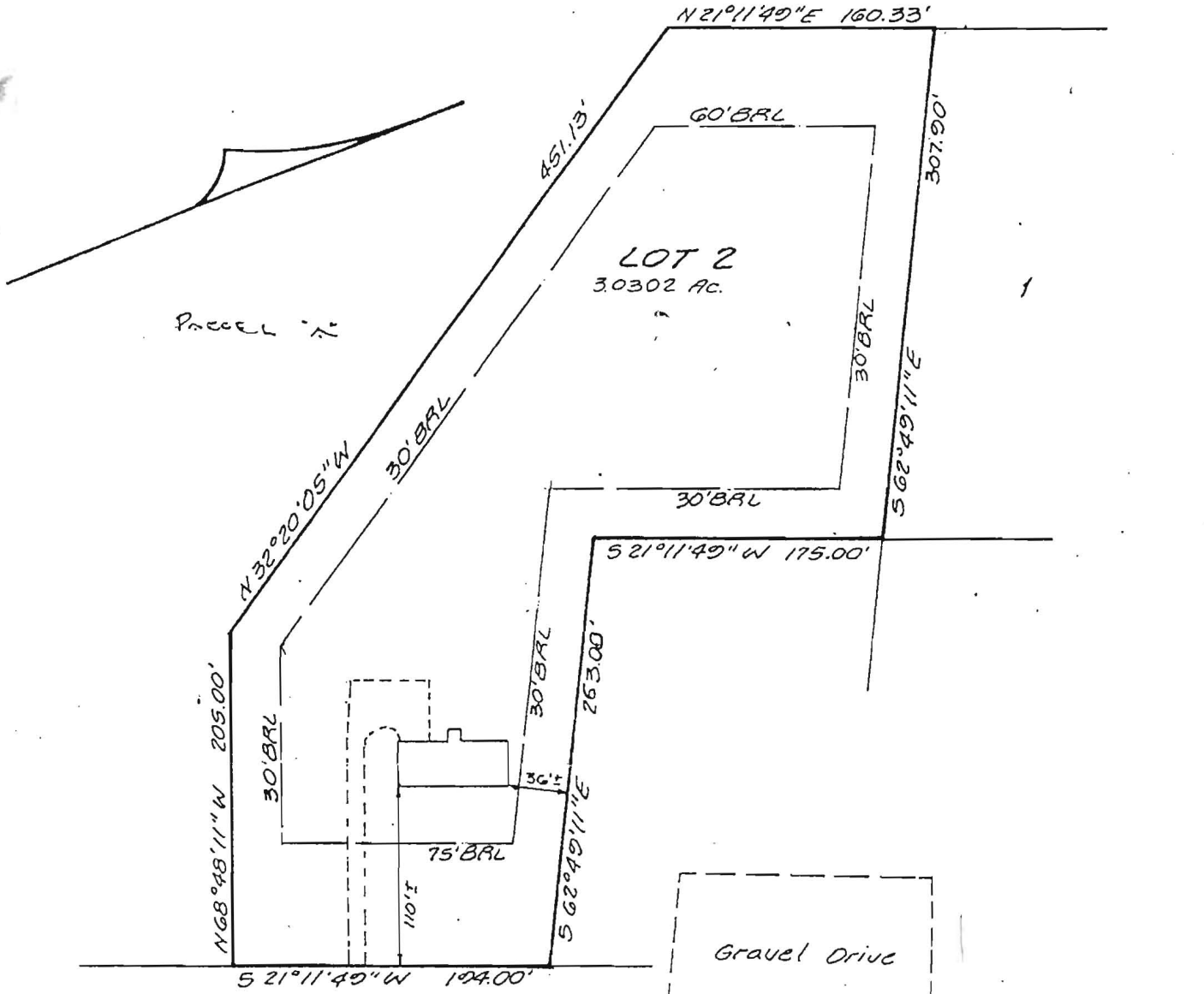
R. NEVILLE ARRINGTON SUBDIVISION
LOTS 1-2 & PARCEL A
Third Election District
Howard County, Maryland

PREPARED BY:
THE J.E. CLARK COMPANY
LAND SURVEYING AND ENGINEERING
P.O. BOX 147 LAUREL, MARYLAND 20707
(301) 728-3442

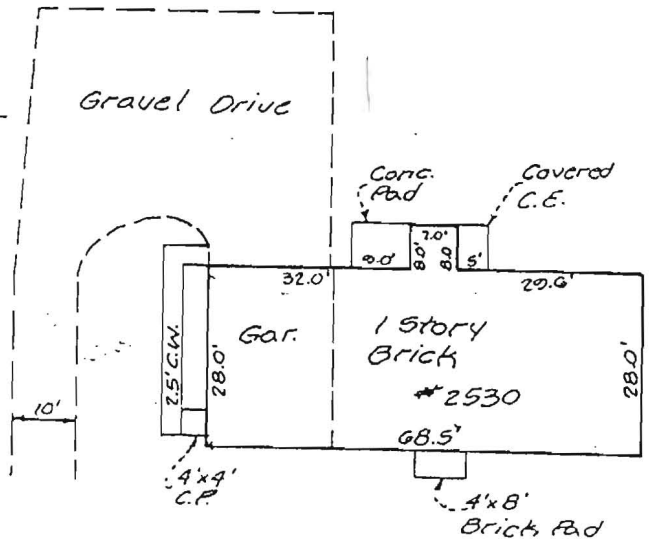
ZONED: R	TAX MAP: 15	SHEET: 1
PARCEL: 3	SCALE: 1"=100'	OF: 1
DATE: NOV. 1988	DRN. BY: C.A.D.	
CHK. BY: J.E.C.		

Property known as: LOT 2
 R. NEVILLE ARRINGTON SUBDIVISION
 LOTS 1-2 & PARCEL A
 PLAT # 9555
 3RD ELECTION DISTRICT
 HOWARD COUNTY, MD.

THIS PLAT CAN NOT BE USED TO ESTABLISH PROPERTY
 LINES OR CORNERS.



PFEFFERKORN ROAD



DAB

Established Series
Rev. JDC/MJ
02/2008

MANOR SERIES

MLRA(s): 148 (Northern Piedmont)

Depth Class: Very deep

Drainage Class (Agricultural): Well drained

Landscape: Piedmont Plateau

Parent Material: Residuum weathered from micaceous schist

Slope: 0 to 65 percent slopes

Saturated Hydraulic Conductivity: Moderately high to very high

Mean Annual Air Temperature (type location): 12 degrees C. (54 degrees F.)

Mean Annual Precipitation (type location): 1016 mm (40 inches)

TAXONOMIC CLASS: Coarse-loamy, micaceous, mesic Typic Dystrudepts

TYPICAL PEDON: Manor loam in a wooded area. (Colors are for moist soil unless otherwise indicated.)

A1--0 to 5 cm (0 to 2 inch), very dark grayish brown (10YR 3/2) loam; strong fine granular structure; very friable; many fine and common medium roots; many fine and medium vesicular and tubular pores; common fine mica flakes; 10 percent angular schist channers; strongly acid; clear smooth boundary.

A2--5 to 15 cm (2 to 6 inches), dark yellowish brown (10YR 4/4) sandy loam; moderate medium sub-angular blocky structure and strong fine granular structure; very friable; many very fine, fine and many medium roots; many fine and medium vesicular and tubular pores, common coarse tubular pores; common fine mica flakes; 2 percent angular schist channers; very strongly acid; clear wavy boundary. (2.5 to 25 cm [1 to 10 inches] thick)

Bw1--15 to 33 cm (6 to 13 inches), strong brown (7.5YR 4/6) sandy loam; fine distinct dark yellowish brown (10YR 3/4) mottles; moderate medium sub-angular blocky structure; friable; many fine and common medium roots; many fine vesicular and tubular pores, common medium tubular pores; few distinct patchy dark yellowish brown (10YR 3/4) organic coats on faces of peds and in pores; many fine and few medium mica flakes; 10 percent angular schist channers; very strongly acid; clear wavy boundary.

Bw2--33 to 56 cm (13 to 22 inches), strong brown (7.5YR 4/6) sandy loam; weak medium sub-angular blocky structure; friable; many fine and common medium roots; many fine vesicular and tubular pores; many fine and few medium mica flakes; 10 percent angular schist channers; very strongly acid; abrupt smooth boundary. (25 to 64 cm [10 to 25 inches] thick)

C1--56 to 76 cm (22 to 30 inches), variegated dark yellowish brown (10YR 4/4), strong brown (7.5YR 5/8), yellowish red (5YR 4/6) sandy loam; moderate medium platy structure inherited from bedding

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planes; very friable; many very fine and fine roots; many very fine and fine vesicular pores; many fine and medium mica flakes; 10 percent angular schist channers; strongly acid; clear wavy boundary.

C2--76 to 112 cm (30 to 44 inches), variegated olive brown (2.5Y 4/4), strong brown (7.5YR 5/6), pink (7.5YR 7/4) very channery sand; massive; very friable; many very fine and fine vesicular pores; many fine and medium mica flakes; 15 percent channers and 45 percent para-channers; very strongly acid; clear wavy boundary.

C3--112 to 135 cm (44 to 53 inches), variegated olive brown (2.5Y 4/4), light brown (7.5YR 6/3), yellowish red (5YR 5/8) channery loamy sand; moderate medium platy structure inherited from bedding planes; very friable; many very fine and fine vesicular and tubular pores; many fine and medium mica flakes; 15 percent channers; very strongly acid; clear wavy boundary.

C4--135 to 183 cm (53 to 72 inches), variegated olive brown (2.5Y 4/4), dark yellowish brown (10YR 4/4), reddish yellow (7.5YR 6/8) channery loamy sand; weak thin platy structure inherited from bedding planes; very friable; many fine and medium mica flakes; 15 percent channers; very strongly acid.

TYPE LOCATION: Howard County, Maryland; in a wooded area of the Triadelphia Watershed off of Green Bridge Road, near the Pig Tail Boat Launch, Triadelphia Mill Road, in a wooded area in Karinwood. Sandy Spring, Maryland topographic quadrangle; Latitude 39 degrees, 12 minutes, 36 seconds N. Longitude 77 degrees 0 minutes 13 seconds W; NAD 83.

RANGE IN CHARACTERISTICS:

Depth to the top of the Cambic horizon: up to 25 cm (10 inches)

Depth to the base of the Cambic horizon: 75 cm (30 inches)

Solum Thickness: 25 to 76 cm (10 to 30 inches)

Depth to Bedrock: Greater than 183 cm (72 inches)

Depth to Seasonal High Water Table: Greater than 183 cm (72 inches), November to May

Rock Fragment content: 0 to 30 percent, by volume, in the solum, 0 to 95 percent in the substratum.

Fragments are mostly hard quartzite or flat schist. Stones occupy 0 to 3 percent of the surface in some pedons.

Soil Reaction: strongly acid to very strongly acid, except where limed

Content of Mica: Common to many

RANGE OF INDIVIDUAL HORIZONS:

A or Ap horizon (if it occurs):

Color--hue of 5YR to 10YR, value of 3 to 5, and chroma of 2 to 4

Texture (fine-earth fraction)loam, silt loam, sandy loam or fine sandy loam

E horizon (where present):

Color--hue of 5YR to 10YR, value of 4 to 6, and chroma of 2 to 6

Texture (fine-earth fraction)loam, silt loam, sandy loam, or fine sandy loam

Bw horizon:

Color--hue of 2.5YR to 10YR, value of 4 to 6, and chroma of 4 to 8

Texture (fine-earth fraction)--loam, silt loam or sandy loam

C horizon:

Color--hue of 5YR to 2.5Y, value of 4 to 8, and chroma of 2 to 8 and commonly is variegated as a result of relict rock structure

Texture (fine-earth fraction) loam, sandy loam, loamy sand, fine sandy loam or sand

COMPETING SERIES:

Chandler soils are somewhat excessively drained, do not have hues redder than 7.5YR in the subsoil and substratum, and are found on higher elevations in the Southern Blue Ridge region.

Micaville soils are deep, somewhat excessively drained, have a paralithic contact at depths of 40 to 60 inches and are found on higher elevations in the Southern Blue Ridge region. Other soils in closely related families are Brownwood, Cashiers, Fannin, Mt. Airy, and Watauga soils. Chandler soils do not have a paralithic contact within 60 inches of the surface. Brownwood soils have a paralithic contact at depths of 20 to 40 inches below the surface. Cashiers soils have an A horizon with value of 3 that is 7 to 10 inches thick and are very deep to bedrock. Fannin and Watauga soils have argillic horizons. Mt. Airy soils have more than 35 percent rock fragments in the 10 to 40 inch particle-size control section

GEOGRAPHIC SETTING:

Landscape: Piedmont Plateau

Landform: Uplands

Hillslope Profile Position: Summit, shoulder, and backslopes

Geomorphic Component: Hills

Parent Material: Residuum weathered from micaceous schist

Slope: 0 to 65 percent

Elevation: 30 to 305 meters (100 to 1000 feet)

Frost-free period: 150 to 220 days

Mean Annual Air Temperature: 9 to 14 degrees C. (48 to 58 degrees F.)

Mean Annual Precipitation: 889 to 1270 mm (35 to 50 inches)

GEOGRAPHICALLY ASSOCIATED SOILS:

Baile --are very deep and poorly drained

Bannertown soil--are moderately deep

Blocktown soils--are moderately deep, and have an Argillic horizon

Brinklow soils--are moderately deep, and have an Argillic horizon less than 25 cm (10 inches) thick

Chester soils--have an argillic horizon

Elioak soils--have an argillic horizon

Gaila soils--are very deep, and have an Argillic horizon less than 25 cm (10 inches) thick

Gladstone soils--have an Argillic horizon

Glenelg soils--have an argillic horizon

Glenville soils--have a fragipan, and are moderately well drained

Mt. Airy soils--are moderately deep and have an argillic horizon

DRAINAGE AND SATURATED HYDRAULIC CONDUCTIVITY:

Drainage class (Agricultural): Well drained to somewhat excessively drained

Internal Free Water Occurrence: Very deep (greater than 150 cm), and absent (not observed)

Flooding Frequency and Duration: None

Ponding Frequency and Duration: None

Index Surface Runoff: Negligible to high

Saturated Hydraulic Conductivity: Moderately high to very high

Shrink-swell Potential: Low to moderate

USE AND VEGETATION:

Major Uses: Cropland, woodland, and urban development

Dominant Vegetation: Where cultivated--corn, soybeans, small grain, pasture and hay.

Where wooded--black oak, chestnut oak, red oak, white oak, hickory, yellow poplar,

red maple, shortleaf pine and Virginia pine.

DISTRIBUTION AND EXTENT:

Distribution: Maryland, Delaware, Pennsylvania, the District of Columbia, and Virginia

Extent: Large

MLRA OFFICE RESPONSIBLE: Morgantown, West Virginia

SERIES ESTABLISHED: Lancaster County, Pennsylvania, 1900.

REMARKS:

Diagnostic horizons and soil characteristics recognized in this pedon are:

Ochric epipedon--the zone from 0 to 25 cm (0 to 10 inches) (A1, A2 and Bw horizons)

Cambic horizon--the zone from 25 to 50 cm (10 to 20 inches) (Bw1 and Bw2 horizon)

Series control section--the zone from 0 to 150 cm (0 to 60 inches)

ADDITIONAL DATA: S00MD027-39, S00MD027-40

Previous revisions: 03/1999-WDC; 05/2003-AP, JK; 09/2006-DRPV; Rev. JDC/MJ

08/2007 updates profile, competing series, and ranges in characteristics.

OSD Data Map Unit ID: To be developed

Typical Pedon Data Mapunit ID: To be developed

OSD User Pedon ID: Manor-OSD

National Cooperative Soil Survey
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Established Series
Rev. JDC-KK-MJ
02/2008

GLENVILLE SERIES

The Glenville series consists of very deep moderately well drained or somewhat poorly drained soils. They formed primarily in colluvium or residuum affected by soil creep that is weathered from phyllite, micaceous schist, granitic gneiss and other acid crystalline rocks. Slopes range from 0 to 15 percent. Saturated hydraulic conductivity is moderately low to moderately high. Mean annual precipitation is 1145 mm (45 inches). Mean annual temperature is 10 degrees C (51 degrees F).

TAXONOMIC CLASS: Fine-loamy, mixed, active, mesic Aquic Fragiudults

TYPICAL PEDON: Glenville silt loam - cultivated. (Colors are for moist soil.)

Ap--0 to 9 inches, dark yellowish brown (10YR 4/4) silt loam; weak fine granular structure; friable, nonsticky, nonplastic; slightly acid; abrupt smooth boundary. (7 to 10 inches thick)

Bt1--9 to 16 inches, yellowish brown (10YR 5/6) silt loam; moderate medium subangular blocky structure; friable, slightly sticky, slightly plastic; common distinct clay films on faces of peds and in pores; 5 percent channers; very strongly acid; clear wavy boundary.

Bt2--16 to 19 inches; yellowish brown (10YR 5/6) silt loam; moderate medium subangular blocky structure; friable, slightly sticky, slightly plastic; common distinct light brownish gray (10YR 6/2) iron depletions on faces of peds and common many prominent strong brown (7.5YR 5/8) masses of oxidized iron between peds; common distinct clay films on faces of peds; 5 percent gravelchanners; very strongly acid; clear wavy boundary. (Combined thickness of Bt is 15 to 50 centimeters thick)

Btx--19 to 25 inches, brown (10YR 5/3) silt loam; weak coarse prismatic structure parting to moderate thick platy structure; very firm, brittle, slightly sticky, slightly plastic; common distinct clay films throughout; many distinct light brownish gray (10YR 6/2) iron depletions on vertical faces of peds and common many prominent strong brown (7.5YR 5/8) masses of oxidized iron between peds; 10 percent gravel; moderately acid; gradual wavy boundary. (15 to 40 centimeters thick)

Btgx--25 to 33 inches; light brownish gray (10YR 6/2), and brown (10YR 5/3) silt loam; weak coarse prismatic structure parting to moderate very thick platy structure; very firm and brittle; slightly sticky and slightly plastic; common distinct clay films on bottom faces of peds; few distinct gray (10YR 6/1) iron depletions and common distinct yellowish brown (10YR 5/4) masses of oxidized iron on vertical faces of peds; 10 percent quartzite channers; common mica flakes; moderately acid; gradual wavy boundary. (0 to 40 centimeters thick)

BC--33 to 39 inches, yellowish brown (10YR 5/4) silt loam; weak coarse subangular blocky structure parting to weak medium subangular blocky; firm, slightly sticky and slightly plastic; many faint pale brown (10YR 6/3) iron depletions on vertical faces of peds; 10 percent quartzite channers common fine mica flakes; moderately acid; gradual wavy boundary.

C--39 to 82 inches; yellowish brown (10YR 5/4) channery loam; massive; friable, nonsticky and nonplastic; many prominent strong brown (7.5YR 5/8) masses of oxidized iron on vertical faces of peds and common distinct grayish brown (10YR 5/2) iron depletions on vertical faces of peds; many fine mica flakes; 15 percent quartzite channers; moderately acid.

TYPE LOCATION: Chester County, Pennsylvania; Franklin Township, 4000 feet southeast of Kemblesville, 1600 feet south of Pennsylvania 896, 128 feet east of farm lane; 130 feet east southeast of first pole north of pasture. USGS Newark West Quadrangle; Lat. 39 degrees, 44 minutes, 33 seconds North and Long. 75 degrees, 48 minutes, 47 seconds West.

RANGE IN CHARACTERISTICS: Solum thickness ranges from 30 to 40 inches. Depth to bedrock is more than 60 inches. Depth to the fragipan is 15 to 30 inches. Rock fragments of phyllite, schist, gneiss or quartzite generally increase with depth, ranging from 0 to 30 percent in the solum and from 5 to 80 percent in the C horizon. Some pedons have flakes of mica that generally increases with depth. Reaction is neutral to very strongly acid in the A horizon, moderately acid to very strongly acid in the B horizon, and moderately or very strongly acid in the C horizon.

The A horizon has hue 10YR or 2.5Y, value 3 to 5 and chroma 2 to 6. It is silt loam, loam or fine sandy loam in the fine earth.

The Bt horizon has hue 10YR or 7.5YR, value 4 to 6 and chroma 3 to 8. Low chroma redoximorphic features are within the upper 10 inches of the argillic horizon. Texture is silt loam, clay loam, or silty clay loam in the fine earth.

The Btx or Btgx horizons have hue 10YR or 7.5YR, value 4 to 6 and chroma 2 to 6. Texture of the fine-earth material is loam or silt loam. Consistence is firm or very firm and brittle.

The BC or BCg horizons have the same color and texture as the Btx or Btgx horizon.

The C or Cg horizons have hue 2.5YR to 10YR, value 4 to 6 and chroma 1 to 8. Fine earth texture is loam, sandy loam, or fine sandy loam.

COMPETING SERIES: The Cookport, Kedron and Raritan series in the same family. Cookport soils are deep and very deep, formed in residuum weathered from sandstone and occur on the unglaciated Allegheny Plateau. Kedron soils are very deep, are formed in colluvium or glacial till from reddish shale, siltstone, and fine-grained sandstone and typically have hues of 2.5YR or redder in the solum. Raritan soils are very deep and formed in alluvium from red shale, siltstone and sandstone and contain rounded rock fragments and stratified sand, silt and gravel.

GEOGRAPHIC SETTING: The Glenville soils are nearly level to strongly sloping soils on upland flats, footslopes or near the heads of drainageways. Slopes range from 0 to 15 percent. The Glenville soils have developed in residuum or colluvium affected by soil creep that is weathered from phyllite, micaceous schist, gneiss and other acid crystalline rocks. The climate is temperate and humid with average annual temperature of 48 degrees to 57 degrees F, and average annual precipitation of about 40 to 50 inches. The growing season ranges from about 160 to 200 days.

GEOGRAPHICALLY ASSOCIATED SOILS: These are the Baile, Brandywine, Catoctin, Chester, Codorus, Edgemont, Elioak, Gaila, Gladstone, Glenelg, Hatboro, Highfield, Linganore, Manor, Meadowville, Montalto, Mt. Airy, Neshaminy, Nason, Parker, Relay, Tatum, Towhee and Urbana soils. All of these soils, except the Towhee and Urbana soils, do not have a fragipan. Towhee and Urbana soils

have more than 35 percent base saturation.

DRAINAGE AND SATURATED HYDRAULIC CONDUCTIVITY: Moderately well drained or somewhat poorly drained depending on depth to the fragipan. Runoff is negligible to very high. Saturated hydraulic conductivity is moderately high to high above the fragipan, moderately low to high in the fragipan, and moderately high below the fragipan.

USE AND VEGETATION: General crops but mostly grain, hay and pasture. Native vegetation consists of mixed hardwoods. Sizable areas are adjacent to community development and urban expansion.

DISTRIBUTION AND EXTENT: MLRA 148 Northern Piedmont. Southeastern Pennsylvania, Delaware, Maryland, New Jersey, and northern Virginia. The series is extensive.

MLRA OFFICE RESPONSIBLE: Morgantown, West Virginia

SERIES ESTABLISHED: Lancaster County, Pennsylvania, 1939.

REMARKS: Diagnostic horizons recognized in this pedon are:

- a. Ochric epipedon - the zone from the surface to a depth of 9 inches (Ap horizon).
- b. Argillic horizon - the zone from 9 to 19 inches (Bt1 and Bt2 horizons).
- c. Fragipan the zone from 19 to 33 inches (Btx and Btgx horizons).
- d. Aquic conditions the zone from 16 to 33 inches (Bt2, Btx, and Btgx horizons).

1992: Revised to reflect depth to bedrock range of more than 60 inches.

2003: Type location relocated and series concept modified to reflect a shift from pure residuum to either colluvium or, at a minimum, residuum affected by soil creep. Former type location did not have redoximorphic features described above the fragipan.

2008: Pedon description and site location updated

Previous revision: MAV 04/2004

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