

SOILS DATA TABLE						
TYPE	NAME	H.S.G.	"K" FACTOR	DWELLINGS WITHOUT BASEMENTS	DWELLINGS WITH BASEMENTS	SMALL COMMERCIAL BUILDINGS
GgA	GLENELG LOAM, 0 TO 3 PERCENT SLOPES	B	0.24	NOT LIMITED	NOT LIMITED	NOT LIMITED
GgB	GLENELG LOAM, 3 TO 8 PERCENT SLOPES	B	0.24	NOT LIMITED	NOT LIMITED	NOT LIMITED

Note: Soils from U.S.D.A. Web Soil Survey



- NOTES:**
1. THIS AREA DESIGNATES A PRIVATE SEWAGE AREA 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 SEWERAGE IS AVAILABLE. THIS AREA 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. RECORDATION OF A MODIFIED SEWAGE AREA 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 WITHIN THE AREA DENOTED AS "LIMITS OF FIELD TOPOGRAPHY". TOPOGRAPHY OUTSIDE OF THOSE AREAS HAS BEEN BASED ON APPROVED PLANS AND COUNTY G.I.S. DATA.
  3. ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERCOLATION 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 OF THIS PLAN IS TO ADJUST THE EXISTING SEPTIC RESERVE AREA ON 17001 MOSS MEADOW WAY TO AVOID CONFLICT WITH A THE DRAINAGE AND UTILITY EASEMENT FOR A PROPOSED STORM DRAIN TO BE INSTALLED THROUGH 17001 MOSS MEADOW WAY.
  6. THE LOT SHOWN HERON WAS RECORDED ON THE PLAT # CMP 3879. REFER TO PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS, ANY RESTRICTIONS, AND PROVISIONS.

**LEGEND:**

- PROPERTY LINE
- EXISTING CONTOURS
- EXISTING EDGE OF PAVING
- SOILS BOUNDARY
- OUTLINE OF EXISTING STRUCTURE
- LIMITS OF FIELD RUN TOPOGRAPHY
- EXISTING ON-SITE SEPTIC SYSTEM TRENCH
- WOOD PRIVACY FENCE
- DIRECTIONAL ARROWS
- LOT NUMBER
- EXISTING TREES / SHRUBS
- EXISTING WELL
- OVERHEAD WIRE
- UTILITY POLE
- CLEANOUT
- EXISTING SPOT ELEVATION
- ORNAMENTAL BLACK METAL FENCE
- PROPOSED STORM DRAIN
- TOTAL AREA OF PROPOSED NEW FULL DEPTH PAVING
- EXISTING GRASS TO BE REMOVED AND PAVED WITH NEW FULL DEPTH PAVING
- LIMITS OF DISTURBANCE FOR PROPOSED WORK
- PROPOSED CONTOURS
- PROPOSED SPOT ELEVATION
- EXISTING CONCRETE TRASH PAD
- BRICK PAVING AND PATIO

**ENGINEER'S CERTIFICATION**  
 I CERTIFY THAT THE INFORMATION SHOWN HEREIN IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AS IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

CHARLES A. SEGERMAN  
 NAME  
 36437  
 REG. NO.

DATE: 05/16/2023

**SEPTIC RESERVE AREA RE-CERTIFICATION PLAN**  
 17001 MOSS MEADOW WAY  
 MOUNT AIRY, MARYLAND 21771  
 TAX MAP 07 GRID 02 PARCEL 288  
 ELECTION DISTRICT NO. 4 CONDIC DISTRICT NO. 5  
 ZONING OF SITE: RC-DEO  
 HOWARD COUNTY, MARYLAND

OWNER / DEVELOPER:  
 PAUL SAIZ  
 17004 FREDERICK ROAD  
 MOUNT AIRY, MD 21771  
 TELEPHONE: (410) 489 2491

ARCHITECT:  
 MARREN ARCHITECTS, INC.  
 1100 CATHEDRAL STREET  
 BALTIMORE, MD 21201  
 TELEPHONE: (410) 659-0578

**Colbert Matz Rosenfelt, LLC**  
 Engineers • Surveyors • Planners  
 2835 Smith Avenue, Suite G  
 Baltimore, Maryland 21209  
 Telephone (410) 653-3838  
 Facsimile: (410) 653-7953

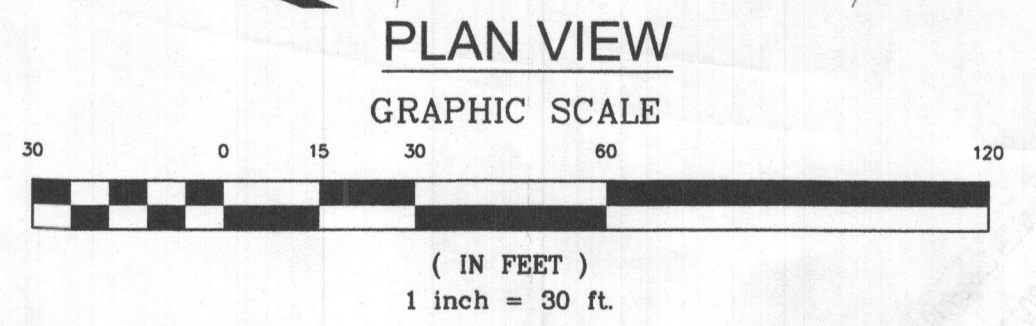
<b>Professional Certification</b>		SCALE: 1" = 30'
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.		DATE: 03/06/2023
License No. 36437	Expiration Date: 11-16-2024	JOB NO.: 2018-079
		DESIGN: TLB
		DRAWN: TLB
		CHECKED: CAS
		FILE: 2018079-SDP
		DRAWING NUMBER: SRA-1
1	05/16/2023	ADDRESS 04.05.2023 COMMENTS
NO.	DATE	REVISIONS
		T.L.B.
		SHEET 1 OF 1

Pre-hole locations and soil profiles in lot D1c

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEM

6/1/23

County Health Officer  
 Howard County Health Department



**GENERAL NOTES:**

- EXIST. ZONING OF TRACT: R-40
- TOTAL AREA OF TRACT: 31.92 AC.
- TOTAL AREA OF ROADWAY: 2.03 AC.
- TOTAL AREA OF LOTS: 29.29 AC.
- NO. OF LOTS PROPOSED: 28
- UTILITIES: PRIVATE WATER & PRIVATE SEWAGE SYSTEM
- DEETZ ROAD PAVING SHALL CONFORM TO DRAWING D-5, PAGE 60 OF THE HOWARD CO. ROAD CONSTRUCTION CODE & WILL INCLUDE A 6' SHOULDER & A 6" DRAINAGE DITCH.
- ROAD DESIGN SPEED: 30 M.P.H.

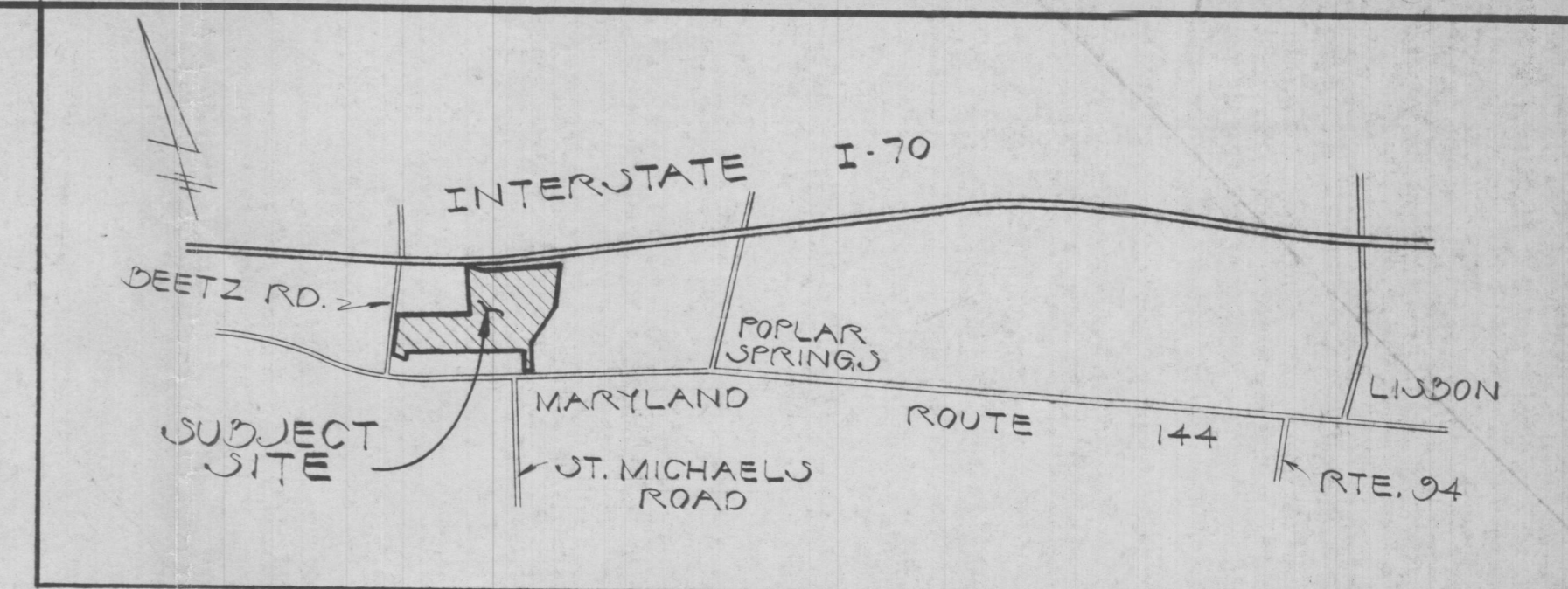
LOT	AVERAGE PERCOLATION TIME IN MINUTES FOR END INCH	MAX. DEPTH PERMITTED FOR EFFLUENT PIPE TO ENTER SEWAGE DISPOSAL AREA WITH REFERENCE TO EXIST. GRADE AT TIME OF PERCOLATION TEST.
1A	12 MIN.	3'
2A	7 MIN.	3'
3A	6 MIN.	4'
4A	7 MIN.	4'
5A	8 MIN.	4'
6A	11 MIN.	4'
7A	9 MIN.	4'
8A	12 MIN.	4'
9A	12 MIN.	4'
10A	10 MIN.	4'
11A	12 MIN.	4'
12A	8 MIN.	4'
13A	13 MIN.	4'
14	7 MIN.	4'
15	10 MIN.	4'
16	13 MIN.	4'
17	10 MIN.	4'
18	9 MIN.	4'
19	9 MIN.	4'
20	7 MIN.	4'
21	6 MIN.	4'
22	7 MIN.	4'
23	8 MIN.	4'
24	12 MIN.	4'
25	12 MIN.	4'
26	12 MIN.	4'
27	12 MIN.	4'
28	12 MIN.	4'

\* - INDICATES NON-BUILDABLE LOTS.  
 ▲ - INDICATES SEWER SYSTEM MUST BE INSTALLED BEFORE BUILDING PERMIT WILL BE ISSUED.

**LEGEND**

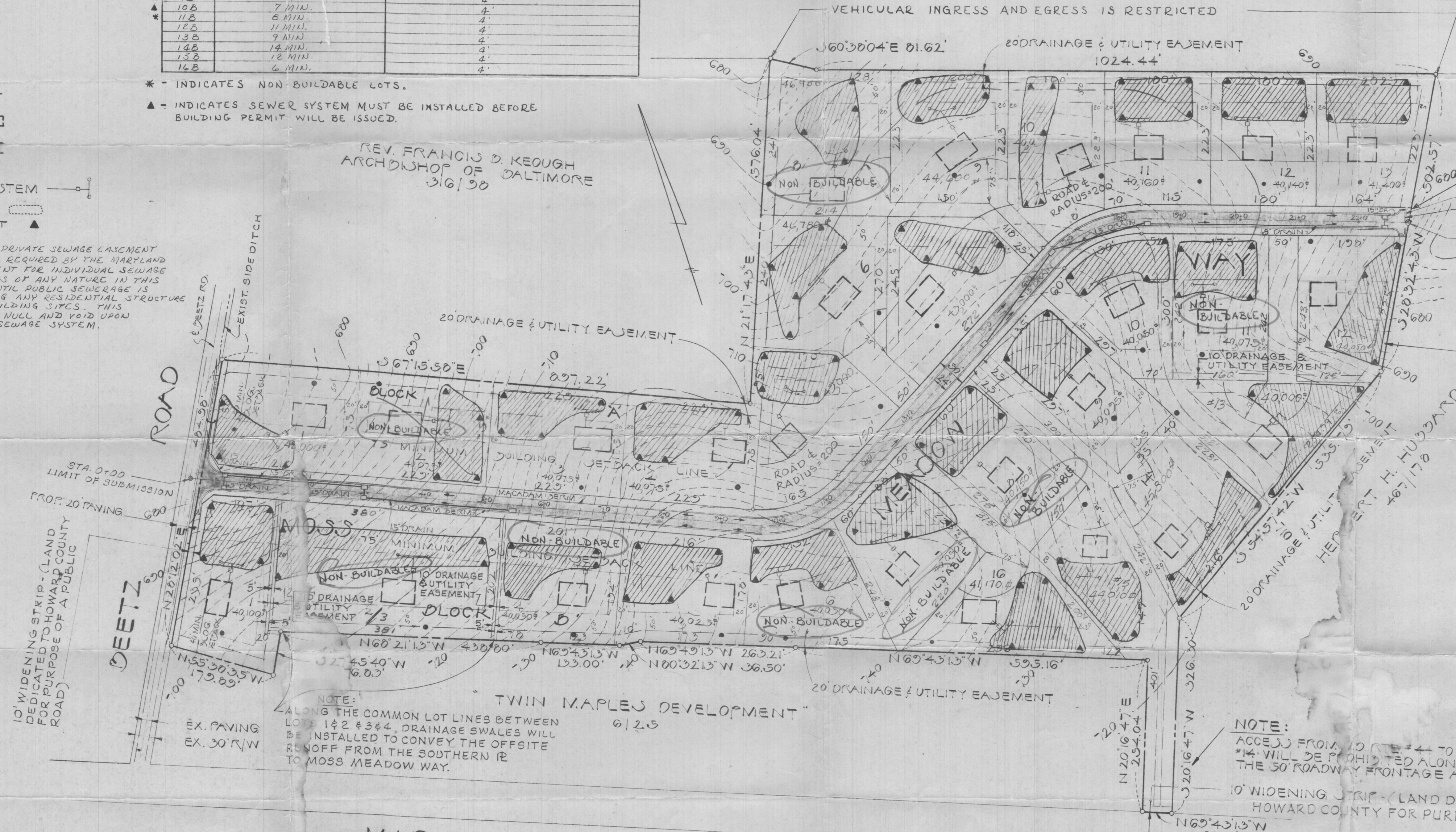
- PROPOSED DWELLING [Symbol]
- PROPOSED PAVING [Symbol]
- PROPOSED WELL [Symbol]
- PROP. SEWAGE DISPOSAL SYSTEM [Symbol]
- PROP. PERCOLATION AREA [Symbol]
- PROP. PERCOLATION TEST PIT [Symbol]

THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE HEALTH DEPARTMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE AND SERVICING ANY RESIDENTIAL STRUCTURE CONSTRUCTED IN THESE BUILDING SITES. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM.



**LOCATION MAP**  
SCALE: 1" = 2000'

**INTERSTATE I-70**



NOTE: A STORM WATER MANAGEMENT DEVICE WILL BE INSTALLED WHICH WILL BE DESIGNED TO PROVIDE A RELEASE RATE OF A 2-YEAR STORM FOR UNDEVELOPED DRAINAGE AREA.

DEAD END BARRICADE STD. TEE TURNAROUND EXIST. STREAM

NOTE: A DRAINAGE SWALE WILL BE GRADED WITHIN THE 10' DRAINAGE & UTILITY EASEMENT ALONG THE EASTERN LOT LINES OF LOTS 12, 13, 14 TO INTERCEPT STORM WATER RUNOFF FROM THESE LOTS AND CARRY THIS RUNOFF TO THE EXISTING OUTFALL AT THE NORTH EAST CORNER OF LOT 12. ALSO, A DRAINAGE SWALE WILL BE GRADED WITHIN THE 10' DRAINAGE AND UTILITY EASEMENT ALONG THE SOUTHERN LOT LINES OF LOTS 11 & 12 TO INTERCEPT STORM WATER RUNOFF TO THESE LOTS AND CARRY THIS RUNOFF TO THE PROPOSED EASEMENT AS MENTIONED ABOVE.

**PIPE STEM LOT AREA SCHEDULE**

LOT #	LOT AREA	DRIVEWAY AREA	TOTAL AREA
6	46,780 S.F.	5,600 S.F.	52,380 S.F.
8	46,700 S.F.	12,300 S.F.	59,000 S.F.
9	44,600 S.F.	2,700 S.F.	47,300 S.F.
13	40,000 S.F.	12,150 S.F.	52,150 S.F.
14	45,800 S.F.	7,400 S.F.	53,200 S.F.
15	44,010 S.F.	21,800 S.F.	65,820 S.F.
16	41,190 S.F.	11,000 S.F.	52,190 S.F.

NOTE: ACCESS FROM MD. RTE. #144 TO LOT #14 WILL BE PROHIBITED ALONG THE 50' ROADWAY FRONTAGE AS SHOWN.

10' WIDENING STRIP - (LAND DEDICATED TO HOWARD COUNTY FOR PURPOSE OF A PUBLIC ROAD)

NOTE: ALONG THE COMMON LOT LINES BETWEEN LOTS 1 & 2 & 3 & 4, DRAINAGE SWALES WILL BE INSTALLED TO CONVEY THE OFFSITE RUNOFF FROM THE SOUTHERN IR TO MOSS MEADOW WAY.

MARYLAND ROUTE #144

**OWNER & DEVELOPER**

WWGL ASSOCIATES  
 4300 GELSTON DRIVE  
 BALTIMORE, MARYLAND 21229  
 543-4200

**SPELLMAN, LARSON & ASSOCIATES**

CIVIL ENGINEERS & LAND SURVEYORS  
 SUITE 110 DEERFIELD BUILDING  
 COVINGTON, MARYLAND 21034

**APPROVED:**

PRIVATE WATER & PRIVATE SEWAGE SYSTEMS

**PRELIMINARY PLAN "RITZ ESTATES"**

NORTH SIDE MD. RTE. #144 EAST OF ST. MICHAELS RD.  
 4TH ELECTION DISTRICT  
 SCALE: 1" = 100'

TENTATIVELY APPROVED ON 10-13-77  
 DATE  
 OFFICE OF PLANNING AND ZONING OF HOWARD COUNTY  
 PLANNING DIRECTOR DATE

HOWARD CO., MARYLAND  
 JULY 13, 1978