

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE DEC. 24, 1975

APPROVED: DEPARTMENT OF PUBLIC WORKS
James M. McNeil 2/3/76
 CHIEF, BUREAU OF HIGHWAYS
 APPROVED: OFFICE OF PLANNING AND ZONING
Joe Dawson 1/30/76
 CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING

PLAN AND PROFILE RAMSBURG ROAD
HENRYTON HEIGHTS
 3rd ELECTION DISTRICT SECTION TWO HOWARD COUNTY, MARYLAND
 JUNE 16, 1975 SCALE: AS SHOWN

PURDUM & JESCHKE
 CONSULTING ENGINEERS
 LAND SURVEYORS
 1023 North Calvert Street
 Baltimore, Maryland 21202 301/837-0194

Stamp: *James M. McNeil* 2/3/76
 CAVEAT: *James M. McNeil* 2/3/76
 DATE: 2-3-75

OWNER AND DEVELOPER
 E. L. RAMSBURG AND WIFE
 185 HENRYTON ROAD
 MARRIOTTVILLE, MARYLAND 21104

DESIGNED: C.J. Crovo
 DRAFTED: R.A. Zelinka
 CHECKED BY: R.B. CARTER
 SHEET 1 OF 3

DEVELOPER'S CERTIFICATE
I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

Cay G. Weinel, Jr. 8-17-75
Signature of Engineer Date

Reviewed for Howard County Soil Conservation District and meets Technical Requirements.
Eric W. Fleeman 1/28/76
U.S. Soil Conservation Service Date

This development plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
Robert J. Zilmer 1/28/76
APPROVED: District Coordinator Date
Howard Soil Conservation District

SEDIMENT CONTROL NOTES

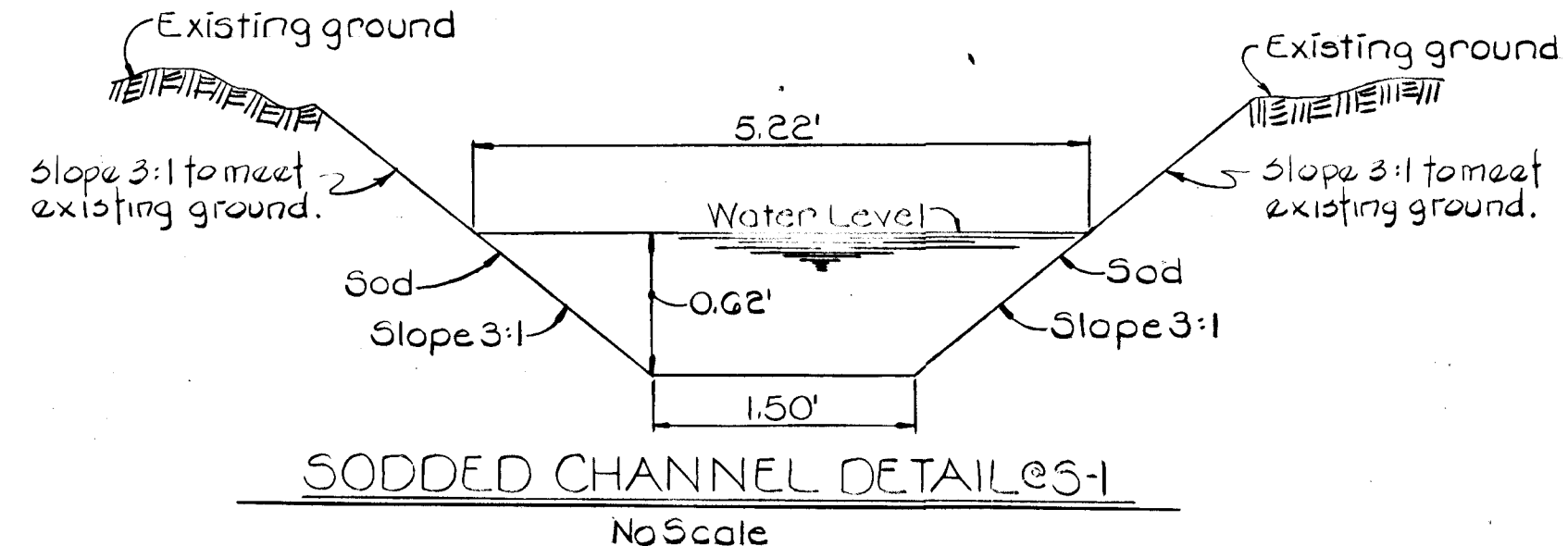
- The developer shall notify the Howard County Soil Conservation District at least 24 hours prior to beginning any construction shown hereon (465-3180).
- Berms, sediment traps, etc., to be constructed prior to any on-site grading or disturbance of any existing surface material, and are to be stabilized as soon as constructed.
- All sediment control structures to remain in place until permission for their removal has been obtained from the Howard County Soil Conservation District (465-3180 or 465-5000 Ext. 291).
- All graded areas not to be sodded shall be stabilized by seeding and mulching in accordance with the following:
 - Site Preparation:
 - Harrow or disc in areas proposed to be seeded the following materials at the specified rate, to a depth of 3".
 - Pulverized limestone at 1 1/2 tons/acre
 - Commercial fertilizer 5-10-10 at 3/4 tons/acre
 - Super phosphate at 600 lbs/acre.
 - Seeding:
 - Sow the following seed mixture at the rate of 200 lbs/acre with a mechanical spreader.
 - 20% Annual Rye Grass
 - 80% Kentucky 31 Fescue
 - The seeded area shall then be raked with a York Rake (a minimum of two passes), covered and compacted with Cultipacker or other approved method.
 - Mulching:
 - Seeded areas shall be uniformly mulched immediately after seeding with unweathered small grain straw at the rate of 1 1/2 tons to 2 tons/acre
 - Tie mulch down with liquid asphalt at 0.1 gal/s.y. or emulsified asphalt at 0.04 gal/s.y. or mulch netting.
- Sediment and Erosion Control Requirements shown hereon are for road and storm drain construction only. Further development of individual lots are subject to additional Sediment and Erosion Control Requirements, if and as directed by the Howard Soil Conservation District.

- GENERAL NOTES**
- All construction shown hereon shall be in accordance with the Howard County Road Construction Code and Standard Specifications dated November 27, 1962 and revised August 1967.
 - Reference to page and drawing numbers shown hereon are referred to the above mentioned Road Construction Code and Standard Specifications.
 - Design Speed - 35 miles per hour.
 - Contractor shall call "Miss Utility" (559-0100) a minimum of 3 days in advance of construction operations.
 - Elevations shown hereon are based on assumed datum.

STRUCTURE SCHEDULE

No.	Type	Inv. In	Inv. Out	Top Elev.	Remarks
F-1	STONE FILTER	232.42	232.17	232.75	
F-2	STONE FILTER		232.76	232.75	
S-1	" "		221.25	223.50	Drwg. D-52 P.107

- CONSTRUCTION SEQUENCE**
- CONSTRUCT SEDIMENT CONTROL DIKE WITH STONE FILTER OUTLET AS SHOWN ON SHEET 1 OF 3.
 - PLACE ROAD TO SUBGRADE CREATING TEMPORARY STONE DIKES ACROSS RIGHT OF WAY AT STATION SHOWN.
 - CONSTRUCT STORM DRAIN SYSTEMS.
 - REMOVE TEMPORARY STONE DIKES AND PLACE ROAD BASE AND SURFACE COURSES; CURBING.
 - BRING ROAD SLOPES TO FINISHED GRADE; SEED AND MULCH IN ACCORDANCE WITH SEDIMENT CONTROL NOTE #4.
 - REMOVE SEDIMENT CONTROL DIKE AND SEDIMENT.

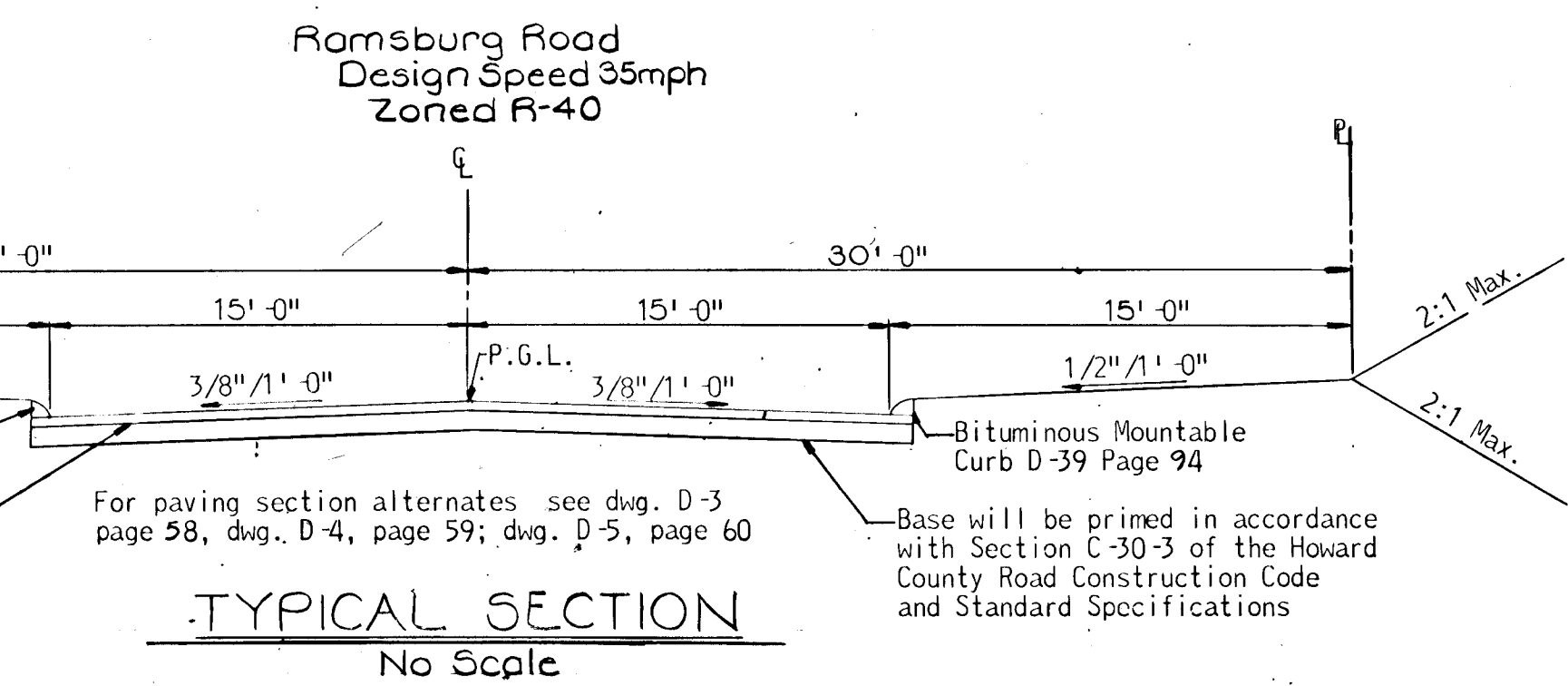


SITE ANALYSIS

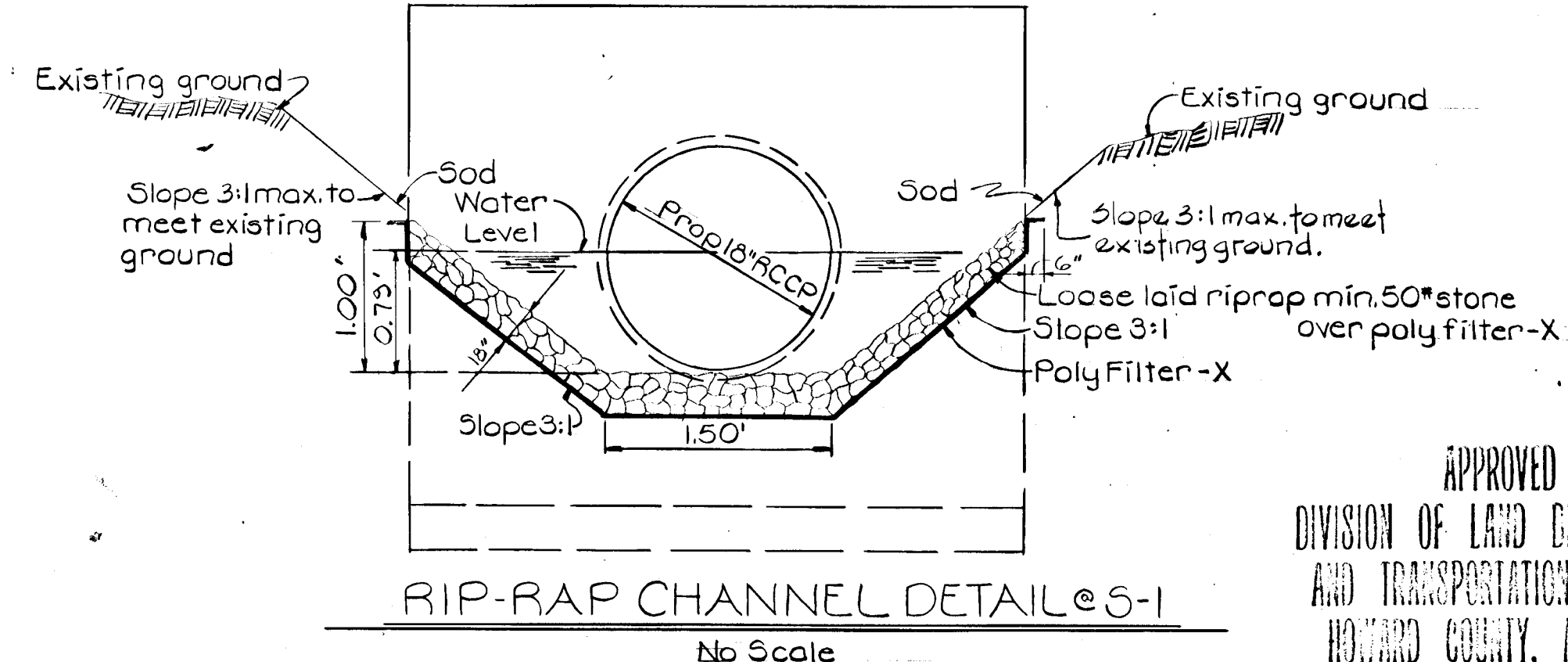
1. TOTAL AREA OF TRACT	16.3 Ac.±
2. DISTURBED AREA	0.9 Ac.±
3. IMPERVIOUS AREA	0.45 Ac.±
4. AREA TO BE REVEGETATED	0.45 Ac.±
5. AREA TO BE UNDISTURBED	15.4 Ac.±

CHANNEL DESIGN DATA @ S-1

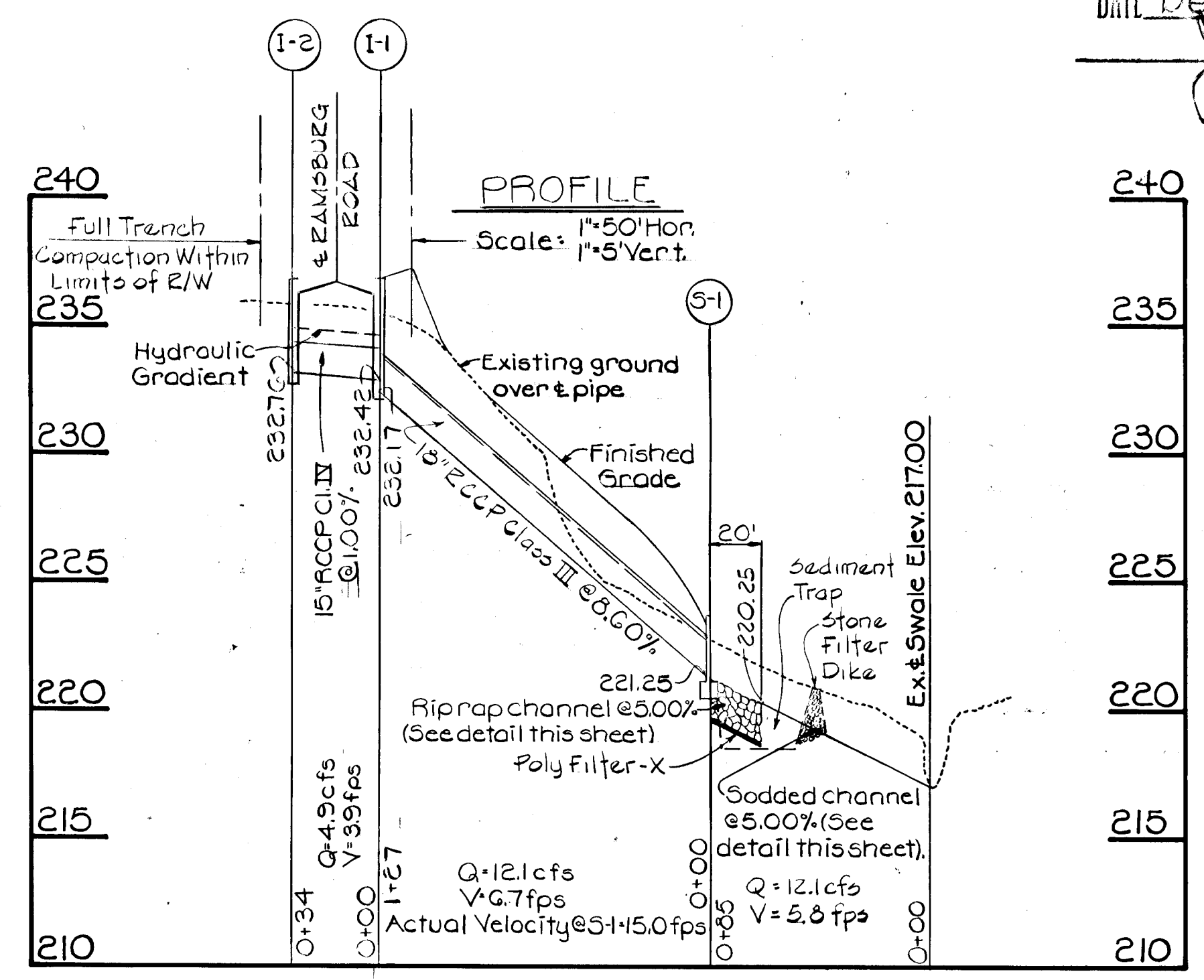
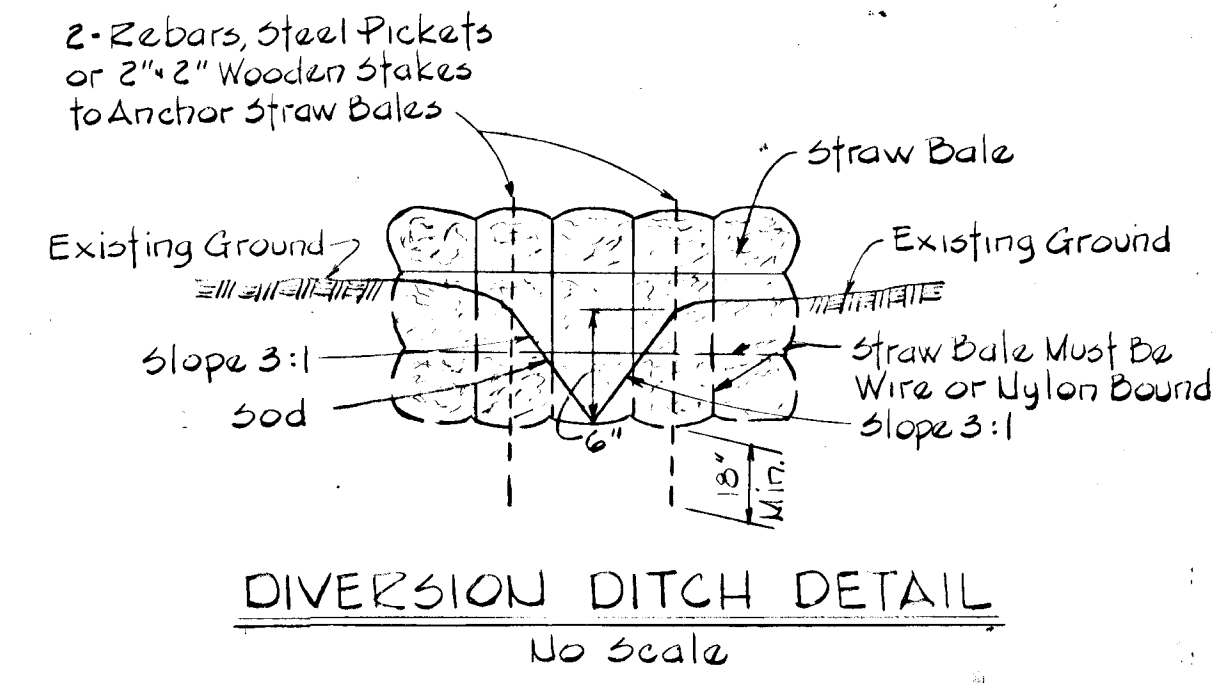
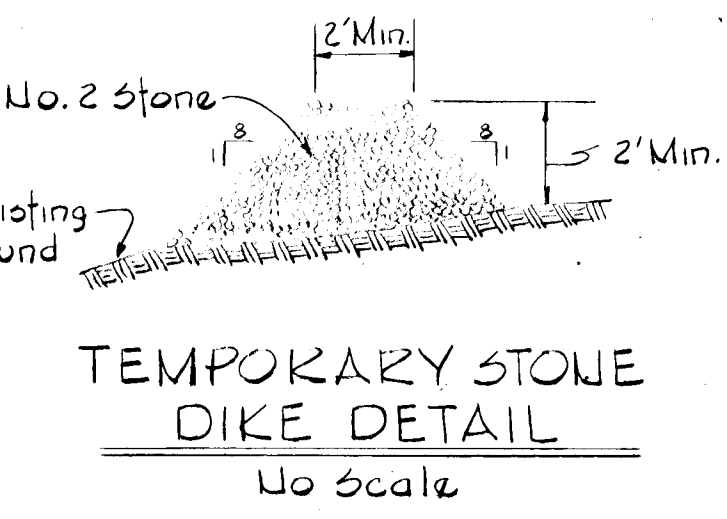
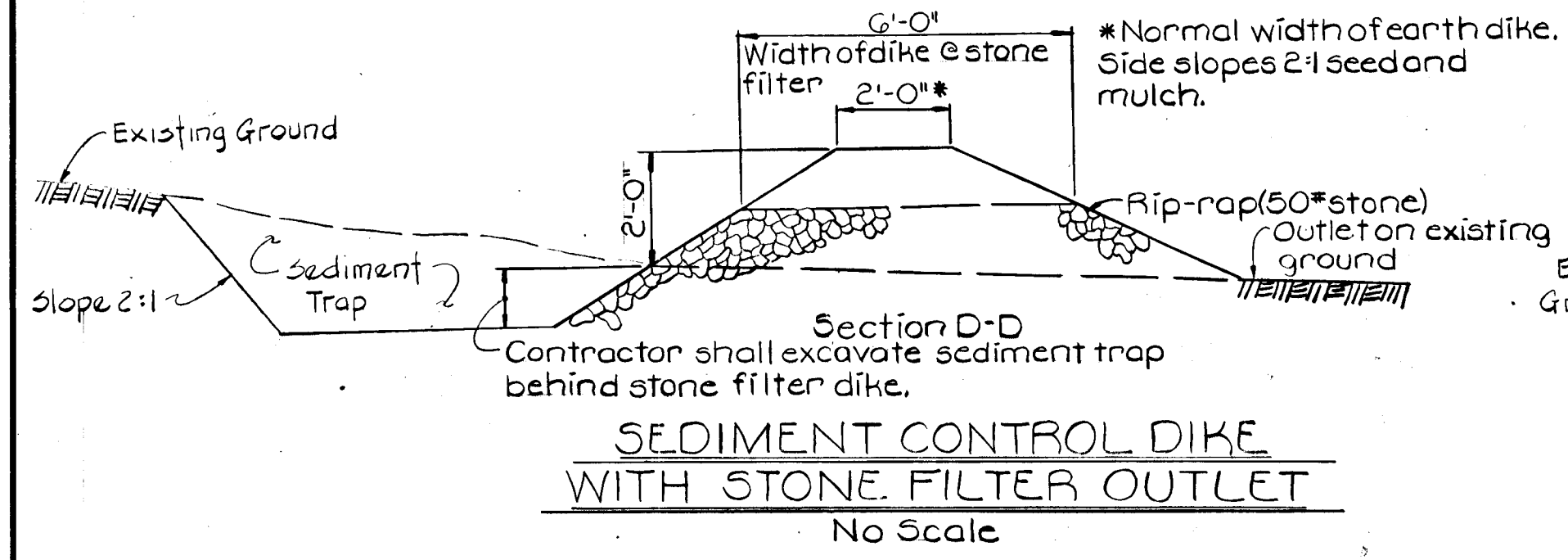
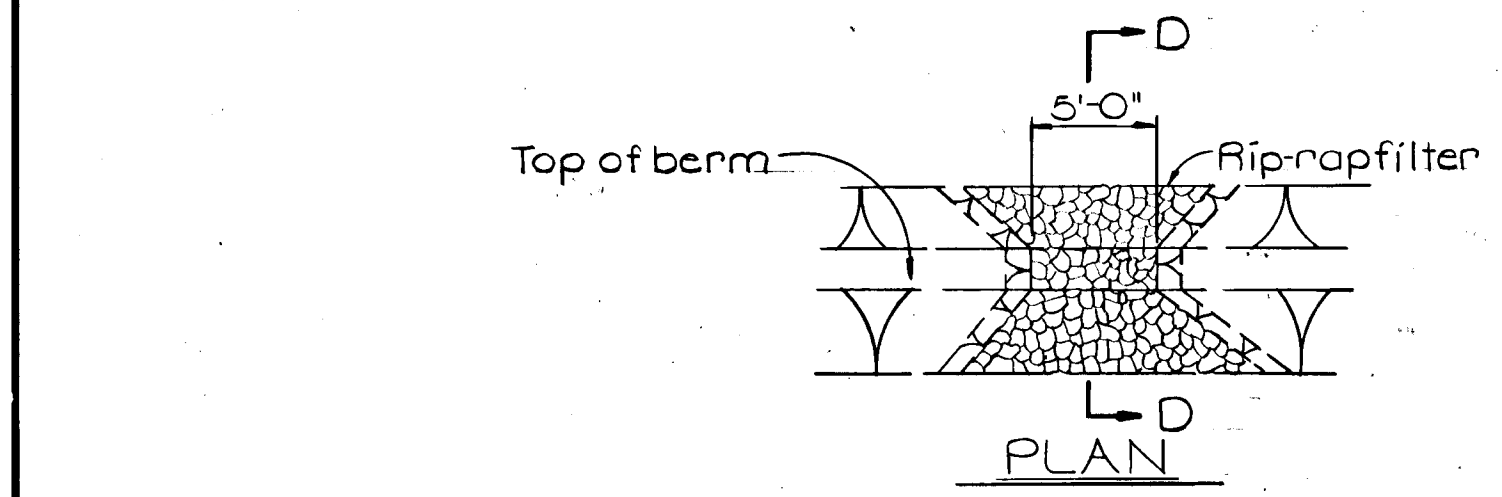
SODDED CHANNEL		RIP-RAP CHANNEL	
A = 2.08'	S = 5.00%	A = 3.06'	S = 5.00%
P = 5.42'	S1/2 = 0.2236	P = 6.50'	S1/2 = 0.2236
R = 0.3838	n = 0.03	R = 0.4708	n = 0.05
R2/3 = 0.5281		R2/3 = 0.6051	
V = 1.485		V = 1.485	
	$\frac{n}{n} \times R2/3 \times S1/2$		$\frac{n}{n} \times R2/3 \times S1/2$
V = 1.485	$\times 0.5281 \times 0.2236$	V = 1.485	$\times 0.6051 \times 0.2236$
0.03		0.05	
V = 5.8 fps		V = 4.0 fps	
Q = 5.8 x 2.08		Q = V x A	
Q = 12.1 cfs		Q = 4.0 x 3.06	
		Q = 12.2 cfs	



NOTE:
"ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS".



APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE Dec. 24, 1975
J. J. [Signature]



APPROVED: Department of Public Works
Francis M. Redmond 2/3/76
Chief, Bureau of Highways Date

APPROVED: Office of Planning and Zoning
John C. [Signature] 1/30/76
Chief, Division of Land Development and Transportation Planning Date

STORM DRAIN AND SEDIMENT CONTROL DETAILS
HENRYTON HEIGHTS
3rd ELECTION DISTRICT SECTION TWO HOWARD COUNTY, MARYLAND
JUNE 16, 1975 SCALE: AS SHOWN

PURDUM & JESCHKE
CONSULTING ENGINEERS
LAND SURVEYORS
1023 North Calvert Street
Baltimore, Maryland 21202 301/837-0194

CAY G. WEINEL, JR.
Reg. No. 8182
DATE

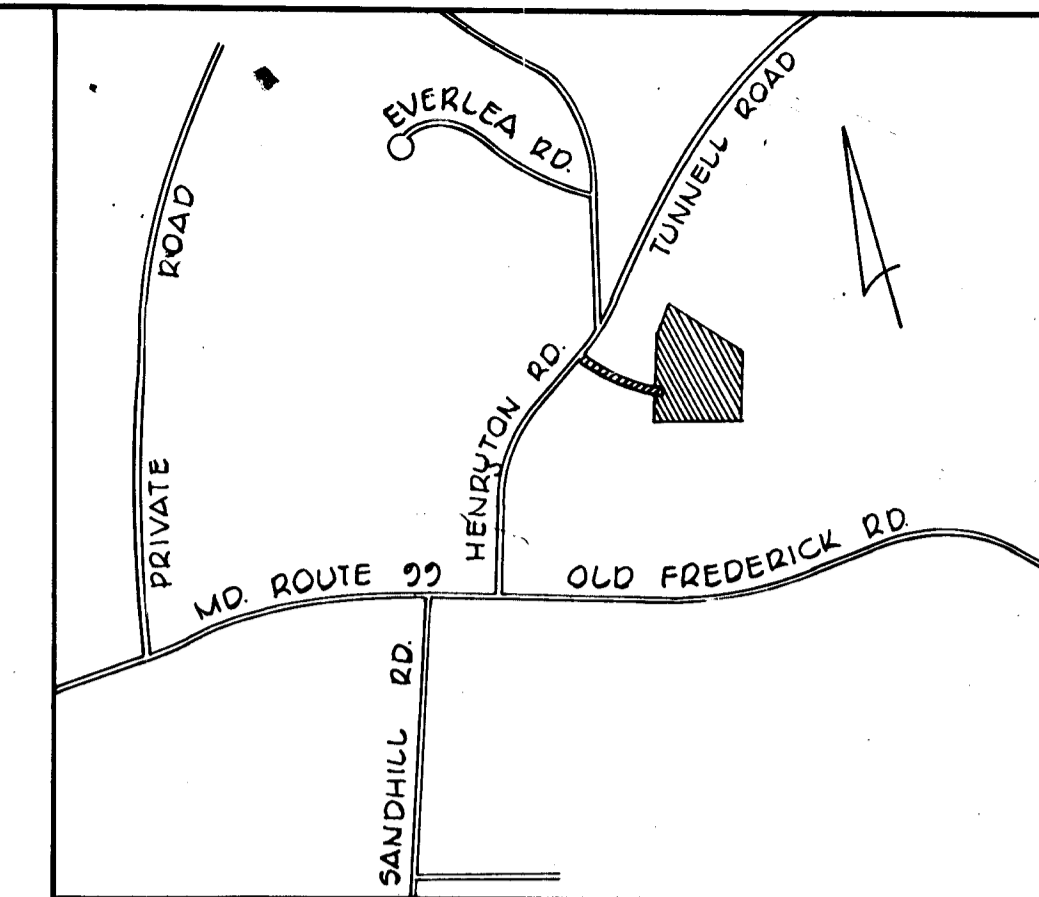
OWNER AND DEVELOPER
E. L. RAMSBURG AND WIFE
185 HENRYTON ROAD
MARRIOTTVILLE, MARYLAND 21104

DESIGNED BY: C. J. CROVO
DRAFTED BY: C. J. CROVO
CHECKED BY: R. B. CARTER
SHEET 2 OF 3

PERCOLATION TEST DATA			
Lot No	Block	AVERAGE PERCOLATION TIME IN MINUTES FOR SECOND INCH.	MAXIMUM DEPTH PERMITTED FOR EFFLUENT PIPE TO ENTER SEWAGE DISPOSAL AREA AT ITS HIGHEST ELEVATION WITH REFERENCE TO EXIST GRADE AT TIME OF PERCOLATION TEST.
14		4	3 1/2'
15		6	3 1/2'
16		Non-Buildable	
17		Non-Buildable	
18		Non-Buildable	
19		Non-Buildable	
20		6	4'
21		8	3 1/2'
22		8	4'

J. BRETT LAZAR, COUNTY HEALTH OFFICER
 10/29/74 DATE

NOTE: The lots shown herein comply with minimum ownership width and lot area as required by the Maryland State Department of Health Regulations.



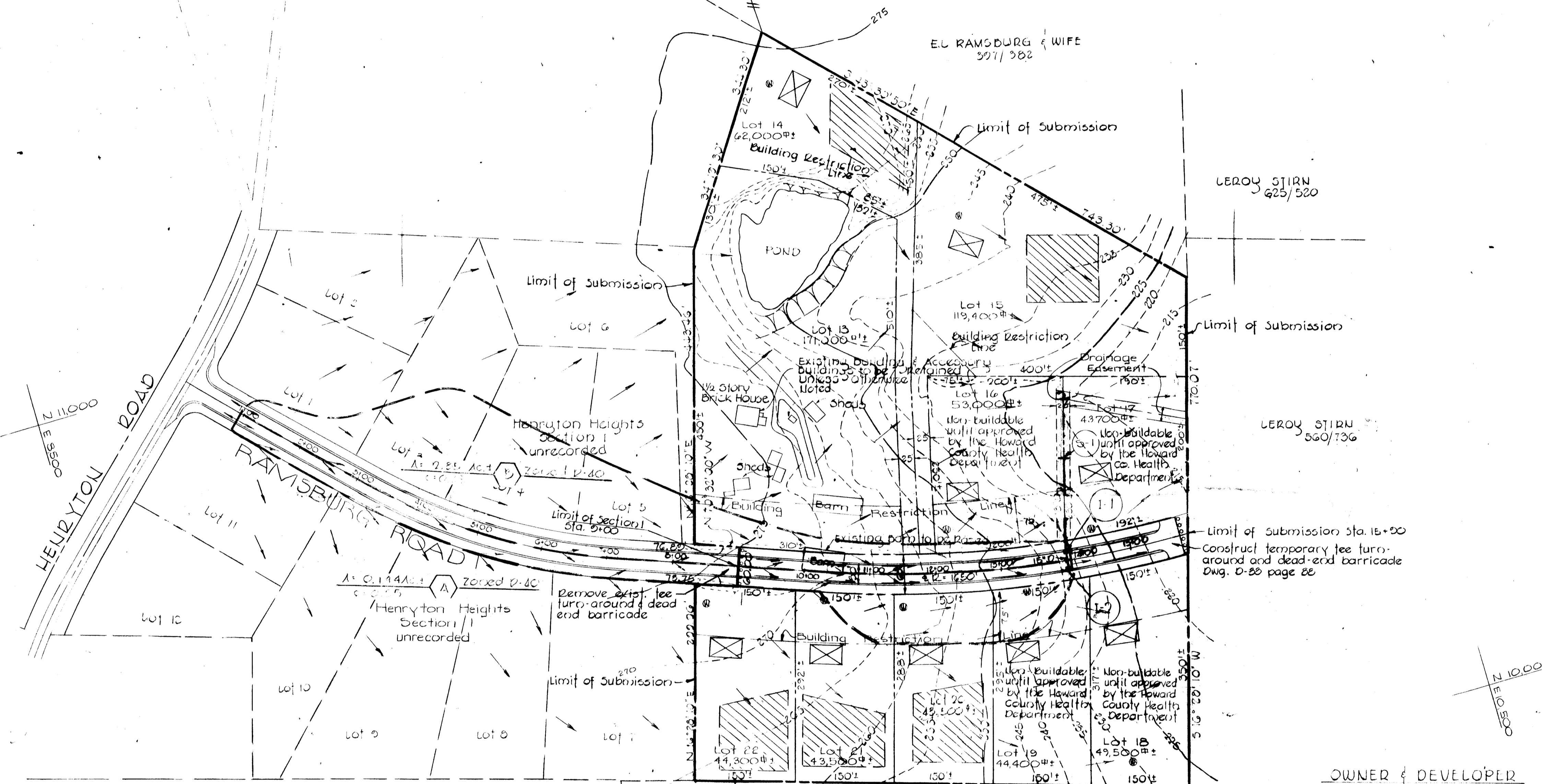
VICINITY MAP
Scale: 1" = 2000'

- GENERAL NOTES
- Total area of tract 14.5 Ac.
 - Number of lots 10
 - Present zoning R-40
 - Roads 100'± R/W, 30' Paving
 - All lots 40,000± minimum.
 - Private water and private sewage systems to be utilized for development.
 - Tax map 10, parcel 21.
 - Elevations shown herein are based on an assumed datum.

This area designates a private sewage easement of approximately 10,000± sq. ft. as required by the Maryland State Department of Health for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available and servicing any residential structure constructed on these building sites. This easement shall become null and void upon connection to a public sewage system.

LEGEND

- Approximate Location of Dwelling
- Proposed Location of Well



OWNER & DEVELOPER
 EL RAMSBURG & WIFE
 185 HENRYTON RD.
 MARRIOTTSVILLE, MD 21104

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 HOWARD COUNTY, MARYLAND
 DATE: Dec. 24, 1975

DRAINAGE AREA MAP
 HENRYTON HEIGHTS
 SECTION 2
 3RD ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 JULIE 16, 1975 SCALE: 1" = 100'
 SHEET 3 OF 3

PURDUM & JESCHKE
 CONSULTING ENGINEERS &
 LAND SURVEYORS
 1028 N. Calvert Street
 Baltimore, Maryland 21202

Reg. No. _____ Date _____

G. M. [Signature] Chief, Bureau of Highways Date
 J. M. [Signature] Chief, Division of Land Development and Transportation Planning Date 1/30/76