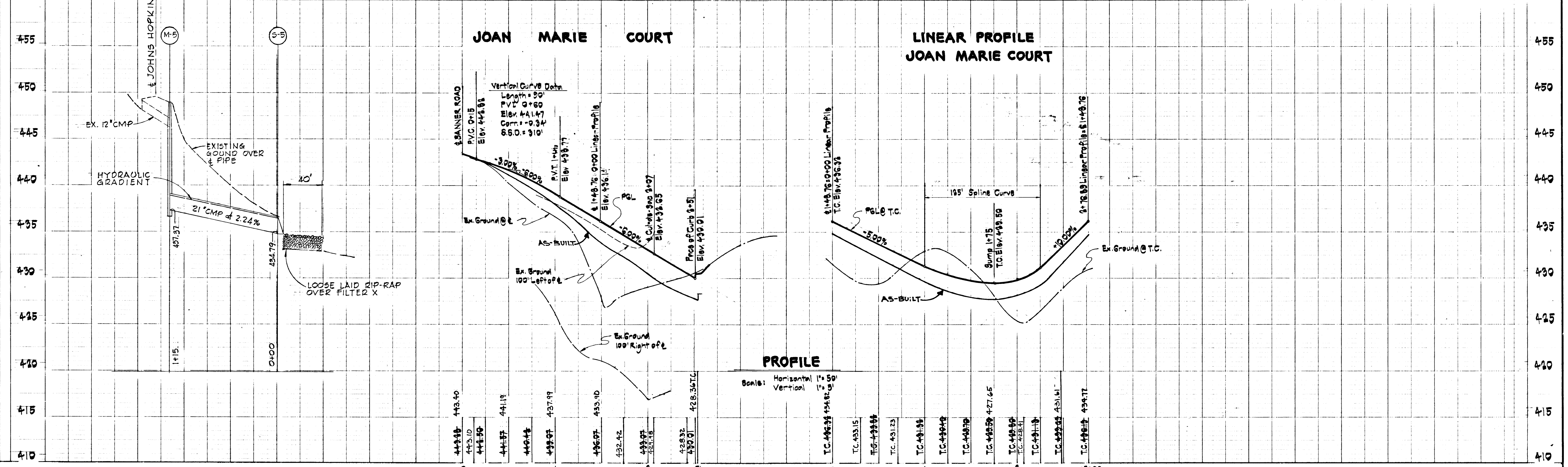


- NOTES**
- All construction shown herein shall be in accordance with the Howard County Road Construction Code & Standard Specifications.
 - Reference to drawing and page numbers shown herein are referred to the above mentioned Howard County Road Construction Code & Standard Specifications.
 - Design Speed - 30 miles/hour.
 - All fill areas shall be compacted to a minimum of 95% compaction.
 - The contractor shall notify "Miss Utility" (550-0100) at least three (3) days prior to beginning any construction shown herein.
 - Elevations shown herein are based on the Maryland State Grid System.
 - The relocation of any existing utilities is the responsibility of the developer.
 - All concrete to be used on this project shall be air entrained.
 - The contractor shall maintain positive drainage along Sanner Road and Johns Hopkins Road.

REVISION 1 1-13-81 ADDED PLAN AND PROFILE M-5 TO S-5



APPROVED: Department of Public Works.
W. J. Lambert
Chief, Bureau of Highways
Date: 10-14-77

APPROVED: Office of Planning and Zoning.
John D. Meyer
Chief, Division of Land Development
Date: 11-7-77

Reviewed for Howard Soil Conservation District and meets Technical Requirements.
United Builders
U.S.O.A. Soil Conservation Service
Date: 11-4-77

This development plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
John D. Meyer
District Coordinator, Howard Soil Conservation District
Date: 11-4-77

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.

John Mikolasko
John Mikolasko
Date: 10-1-77

ENGINEER'S CERTIFICATE

I certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

John F. Liparini
John F. Liparini, P.E., M.A. Reg. No. 8410
Date: 9/30/77

GROVO & ASSOCIATES, INC.
CIVIL ENGINEERING
LAND SURVEYING
8669 OAK ROAD
BALTIMORE, MARYLAND
21234

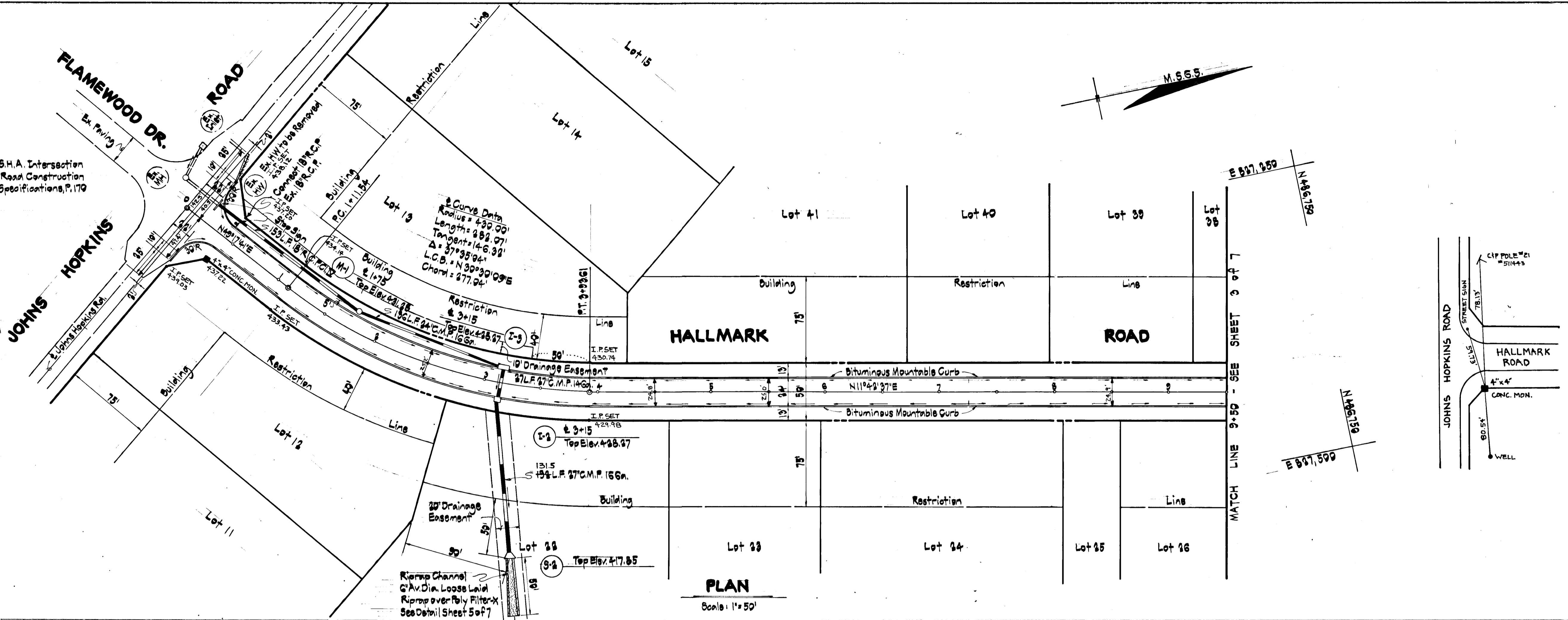
OWNER
DONALD L. SIMPSON
Johns Hopkins Road
Clarksville, Maryland 21039

DEVELOPER
JOHN MIKOLASKO
2205 Foxly Road
Timonium, Maryland 21083

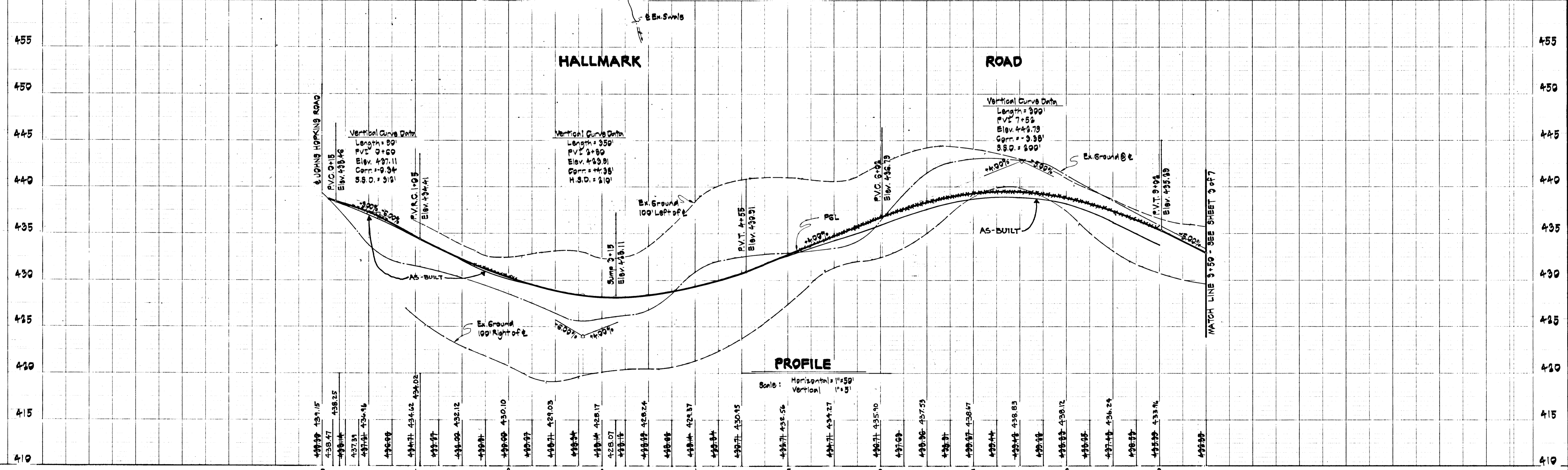
PLAN & PROFILE: JOAN MARIE COURT
HALLMARK
SECTION ONE
5TH ELECTION DISTRICT HOWARD COUNTY, MD.
SEPTEMBER 30, 1977 SCALE: AS SHOWN
SHBET 1 of 7

Construct Standard S.H.A. Intersection
See Howard County Road Construction
Code and Standard Specifications, P. 170

Note: JOHN HOPKINS ROAD shall be
improved along entire property
frontage. See Typical Half-Section
Sheet 5 of 7



PLAN
Scale: 1" = 50'



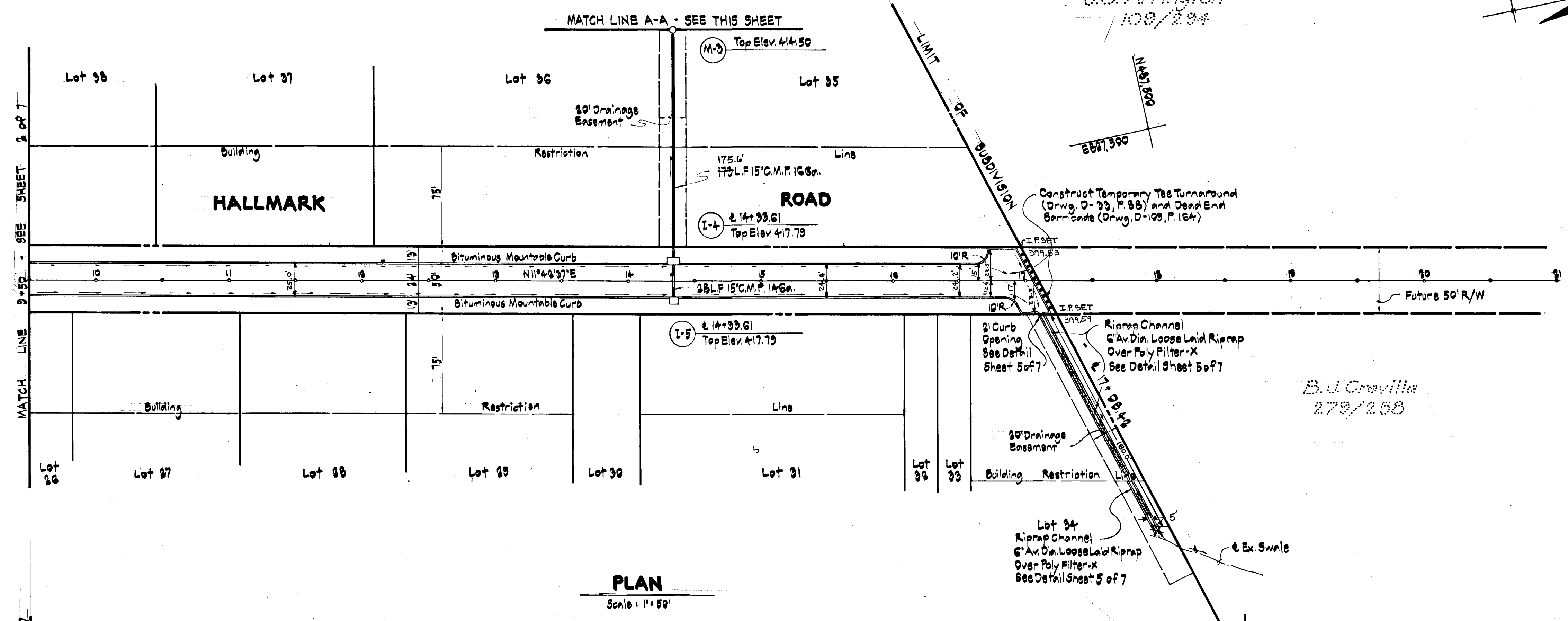
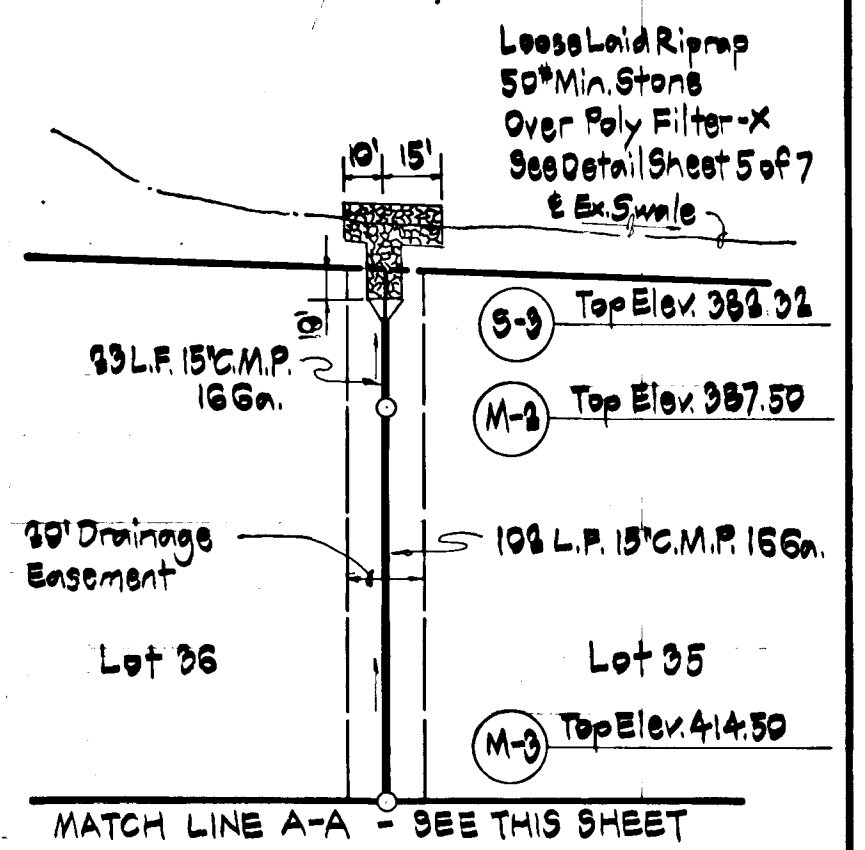
PROFILE
Scale: Horizontal: 1" = 50'
Vertical: 1" = 5'

<p>APPROVED: Department of Public Works. <i>W.O. Lybert</i> 170-94-77 Chief, Bureau of Highways Date</p> <p>APPROVED: Office of Planning and Zoning. <i>John D. McLean</i> 11-4-77 Chief, Division of Land Development Date</p>	<p>Reviewed for Howard Soil Conservation District and meets Technical Requirements. <i>Wanted Benbitt</i> 11-4-77 U.S.D.A. Soil Conservation Service Date</p> <p>This development plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District. <i>John D. McLean</i> 11-4-77 District Coordinator, Howard Soil Conservation District Date</p>	<p>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 authorized by the Howard Soil Conservation District, unless otherwise authorized by the Howard Soil Conservation District. <i>John Mikolasko</i> 10-1-77 John Mikolasko Date</p>	<p>ENGINEER'S CERTIFICATE I certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District. <i>John F. Liparini</i> 9/30/77 John F. Liparini, P.E., Md. Reg. No. 5410 Date</p>	<p>CROVO & ASSOCIATES, INC. CIVIL ENGINEERING LAND SURVEYING 8669 OAK ROAD BALTIMORE, MARYLAND 21234</p>	<p>OWNER DONALD L. SIMPSON Johns Hopkins Road Clarksville, Maryland 21033</p> <p>DEVELOPER JOHN MIKOLASKO 2205 Foxly Road Timonium, Maryland 21093</p>	<p>PLAN & PROFILE: HALLMARK ROAD HALLMARK SECTION ONE 5TH ELECTION DISTRICT HOWARD COUNTY, MD. SEPTEMBER 30, 1977 SCALE: AS SHOWN SHEET 3 of 7</p>
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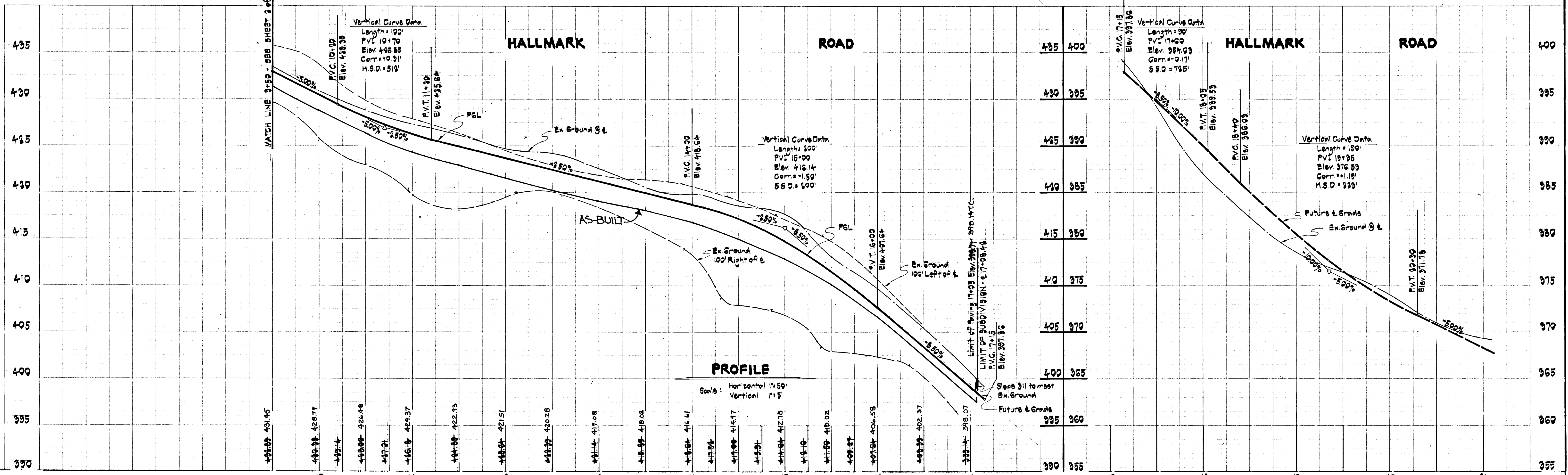


U.O. Arrington
108/294

U.O. Arrington
108/294

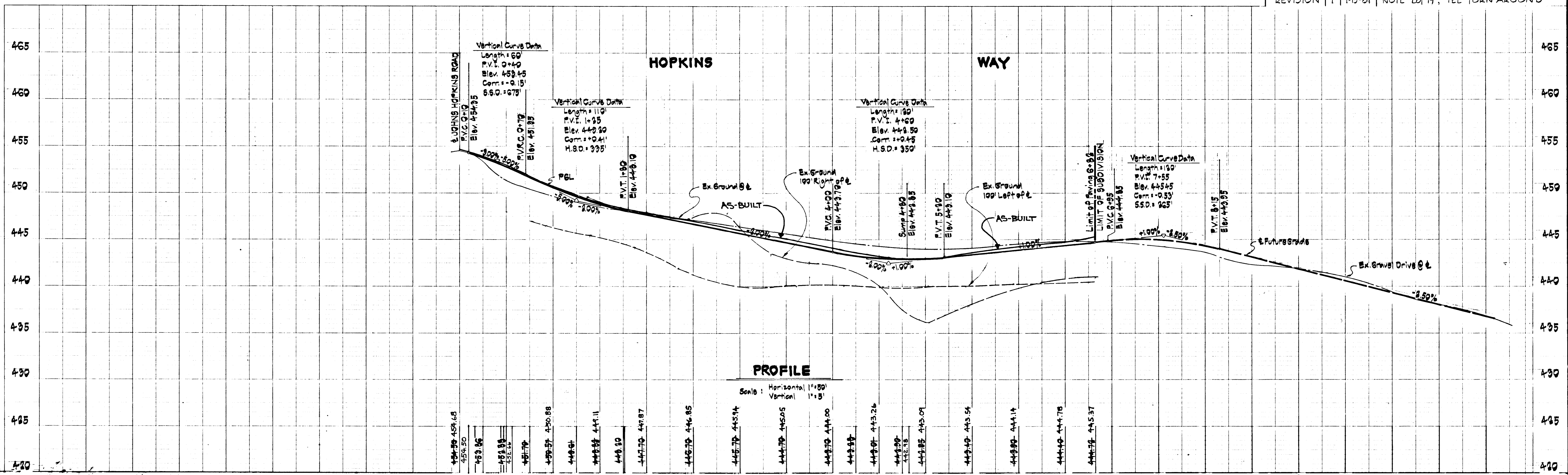
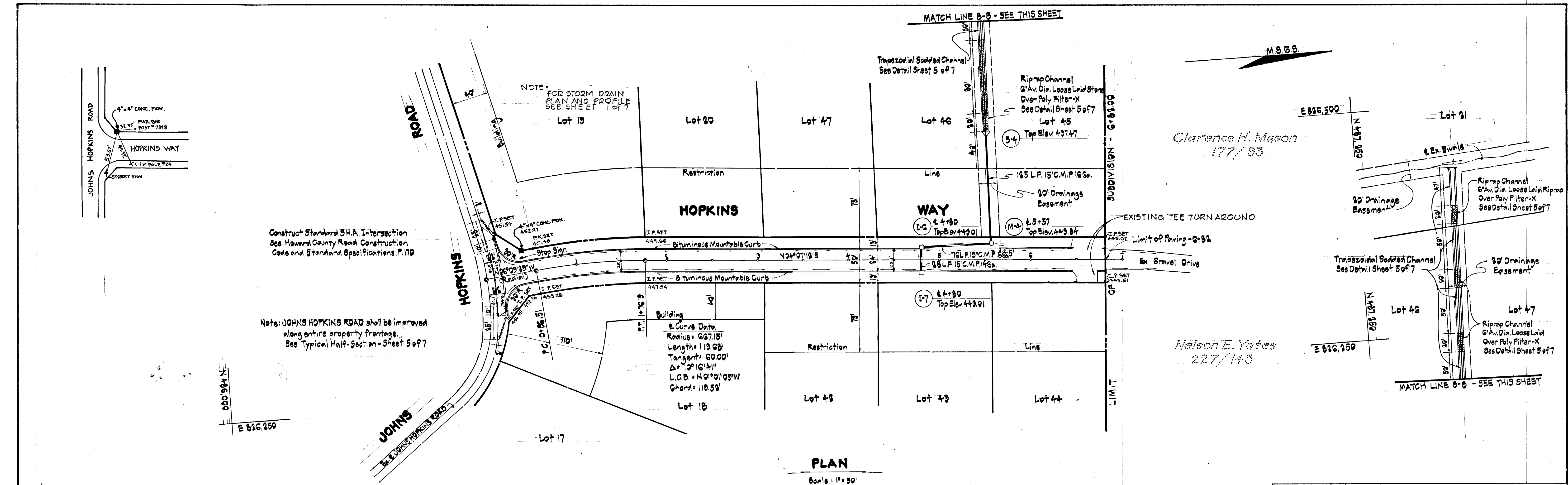


PLAN
Scale: 1" = 50'



PROFILE
Scale: Horizontal 1" = 50'
Vertical 1" = 5'

<p>APPROVED: Department of Public Works.</p> <p><i>W. O. Liberty</i> 10-14-77 Chief, Bureau of Highways Date</p> <p>APPROVED: Office of Planning and Zoning.</p> <p><i>John D. Myers</i> 11-7-77 Chief, Division of Land Development Date</p>	<p>Reviewed for Howard Soil Conservation District and meets Technical Requirements.</p> <p><i>United Counties</i> 11-4-77 U.S.D.A. Soil Conservation Service Date</p> <p>This development plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.</p> <p><i>John D. Myers</i> 11-4-77 District Coordinator, Howard Soil Conservation District Date</p>	<p>DEVELOPER'S CERTIFICATE</p> <p>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 period 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.</p> <p><i>John Mikolasko</i> 11-1-77 John Mikolasko Date</p>	<p>ENGINEER'S CERTIFICATE</p> <p>I certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.</p> <p><i>John F. Liparini</i> 9/2/77 John F. Liparini, P.E., Md. Reg. No. 8410 Date</p>	<p>CROVO & ASSOCIATES, INC.</p> <p>CIVIL ENGINEERING LAND SURVEYING</p> <p>8660 OAK ROAD BALTIMORE, MARYLAND 21234</p>	<p>OWNER DONALD L. SIMPSON Johns Hopkins Road Clarksville, Maryland 21033</p> <p>DEVELOPER JOHN MIKOLASKO 2105 Foxly Road Timonium, Maryland 21088</p>	<p>PLAN & PROFILE: HALLMARK ROAD</p> <p>HALLMARK</p> <p>SECTION ONE</p> <p>5TH ELECTION DISTRICT HOWARD COUNTY, MD SEPTEMBER 30, 1977 SCALE: AS SHOWN SHEET 2 of 7</p>
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APPROVED: Department of Public Works.
W. J. West 10-14-77
Chief, Bureau of Highways Date

APPROVED: Office of Planning and Zoning.
John D. Meyer 11-27-77
Chief, Division of Land Development Date

Reviewed for Howard Soil Conservation District and meets Technical Requirements.
John D. Meyer 11-27-77
District Coordinator, Howard Soil Conservation District Date

This development plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
John D. Meyer 11-27-77
District Coordinator, Howard Soil Conservation District Date

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.
John Mikolasko 10-17-77
John Mikolasko Date

ENGINEER'S CERTIFICATE
I certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
John F. Liparini 9/20/77
John F. Liparini, P.E., M.A. Reg. No. 6410 Date

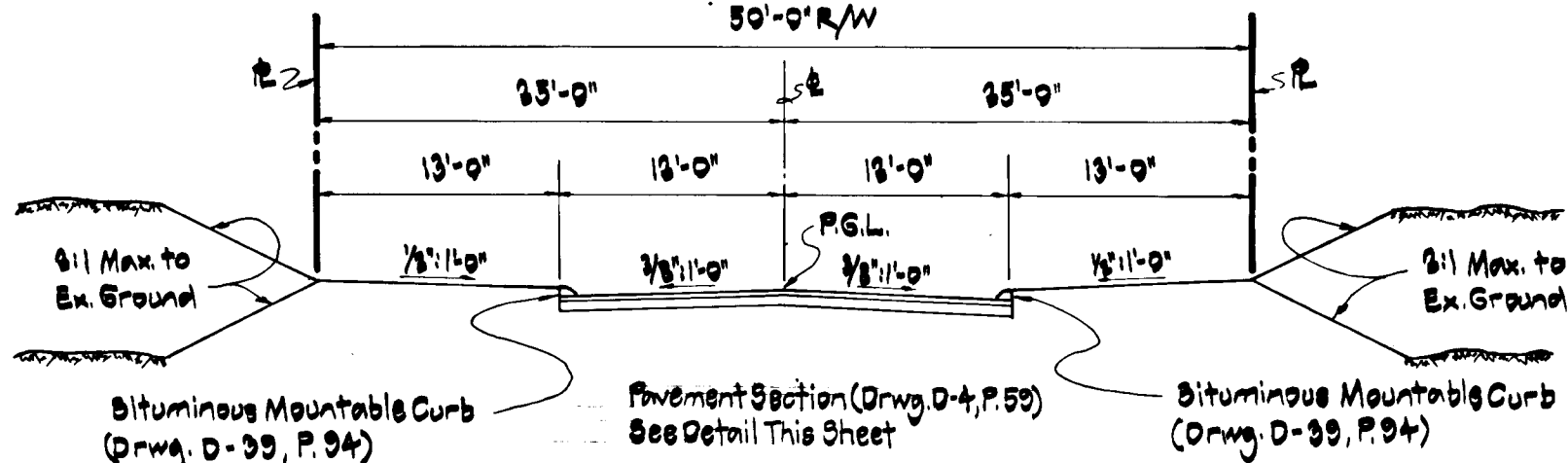
CROVO & ASSOCIATES, INC.
CIVIL ENGINEERING
LAND SURVEYING
8669 OAK ROAD
BALTIMORE, MARYLAND
21234

OWNER
DONALD L. SIMPSON
John Hopkins Road
Clarksville, Maryland 21033

DEVELOPER
JOHN MIKOLASKO
2105 Foxly Road
Timonium, Maryland 21083

PLAN & PROFILE: HOPKINS WAY
HALLMARK
SECTION ONE
5TH ELECTION DISTRICT HOWARD COUNTY, MD.
SEPTEMBER 29, 1977 SCALE: AS SHOWN
SHEET 4 OF 7

**HALLMARK ROAD
HOPKINS WAY
JOAN MARIE COURT**
Design Speed 30 M.P.H.
Zone 1: R-40



TYPICAL PAVING SECTION

PAVING NOTES

1. Take care in accordance with Section C-3-1-4 of the Howard County Road Construction Code and Standard Specifications.
2. Base will be primed in accordance with Section C-3-2-3 of the Howard County Road Construction Code and Standard Specifications.

Not to Scale

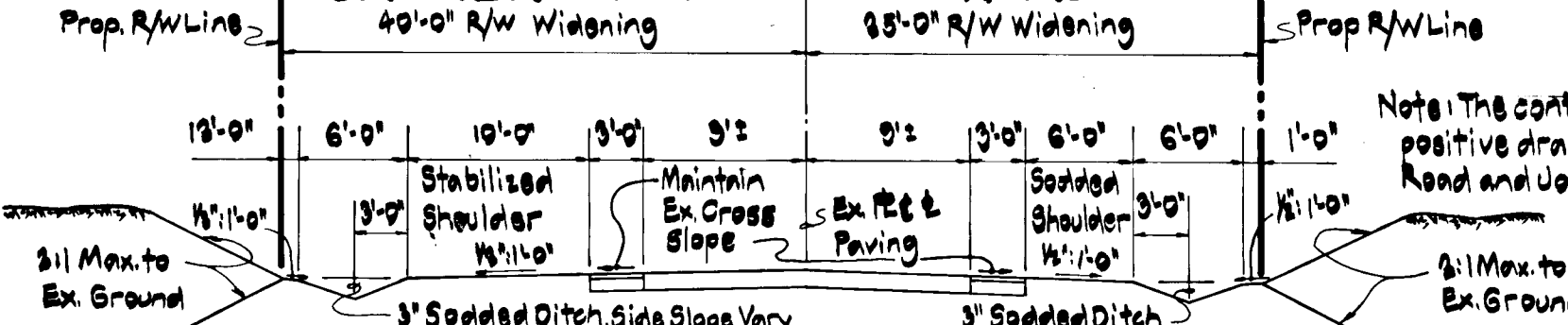
- 1" Bituminous Concrete Surface (Bond G-3)
- 2 1/2" Bituminous Concrete Binder (Bond G-2)
- 7" Crusher Run Base
- Subgrade

PAVEMENT SECTION

Not to Scale

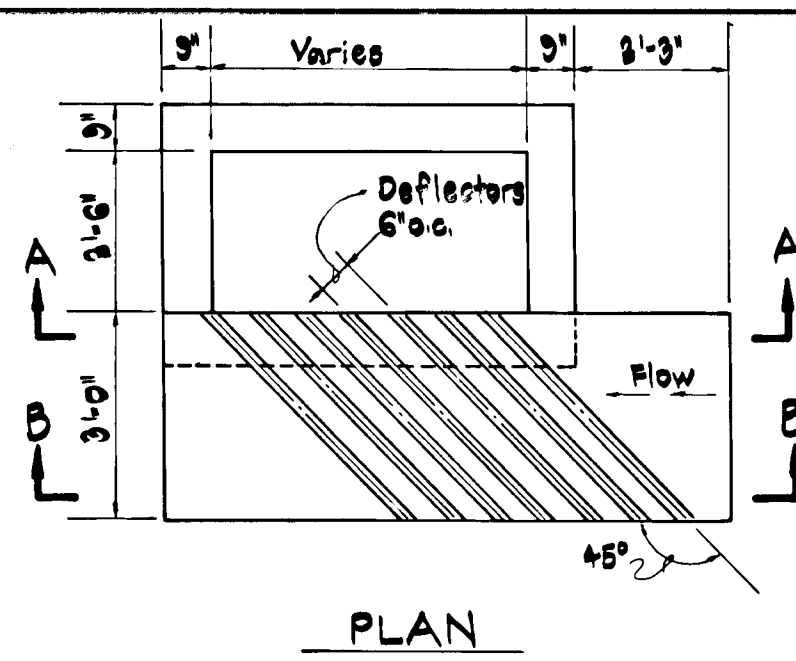
SANNER ROAD

JOHNS HOPKINS ROAD

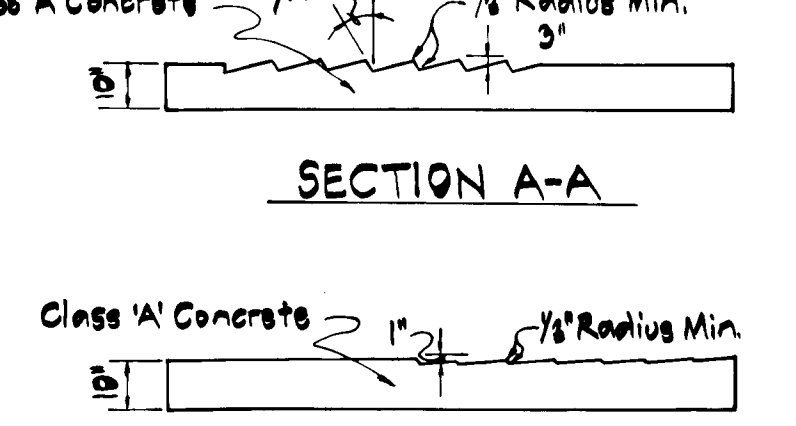


TYPICAL HALF-SECTIONS

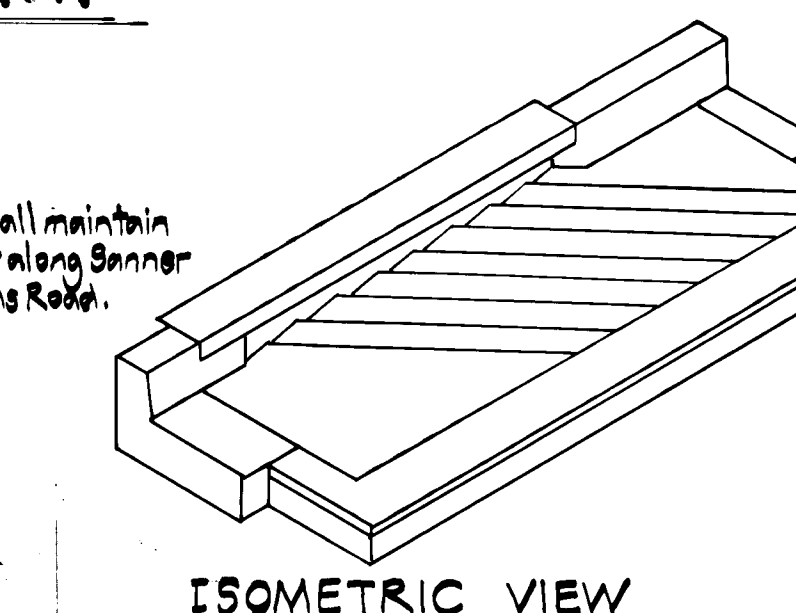
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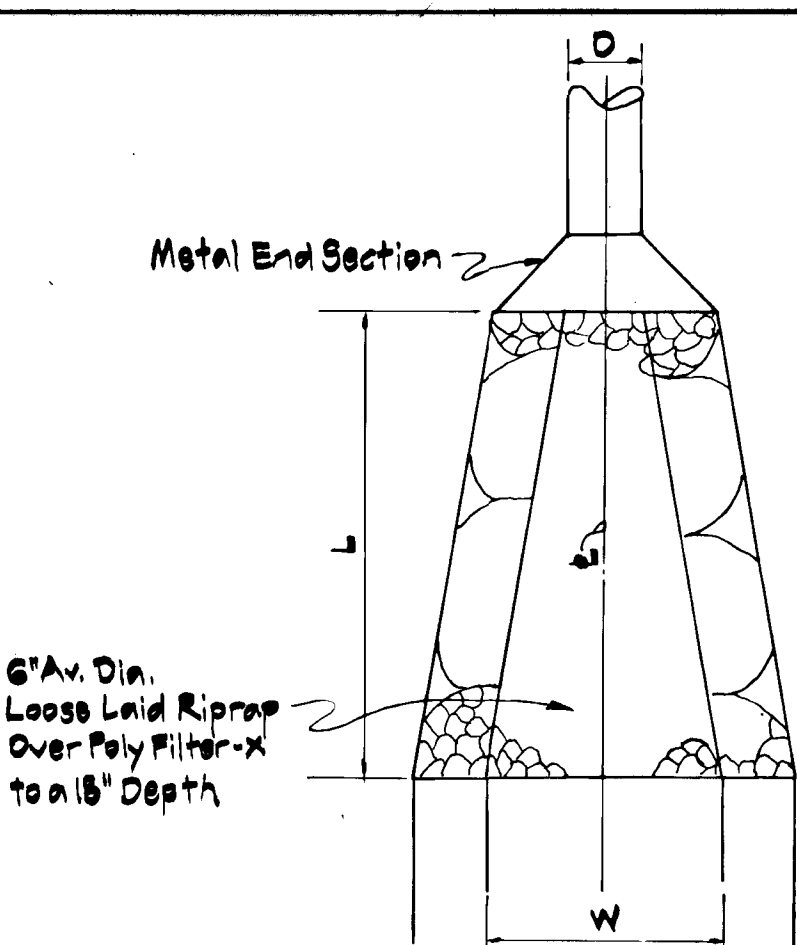
SECTION A-A



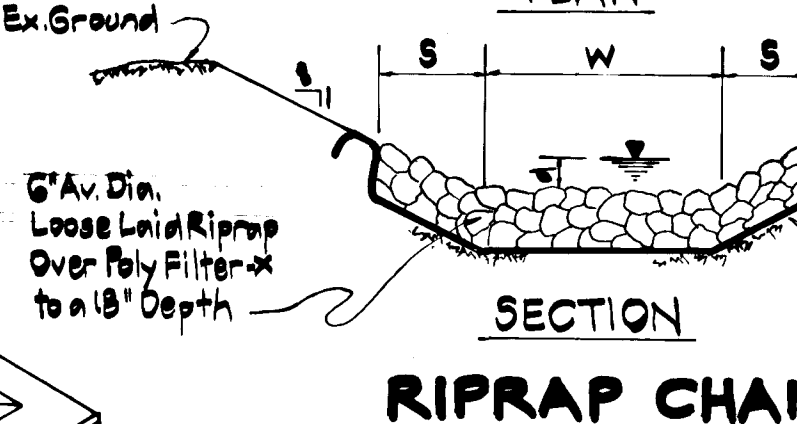
SECTION B-B



ISOMETRIC VIEW



RIPRAP CHANNEL



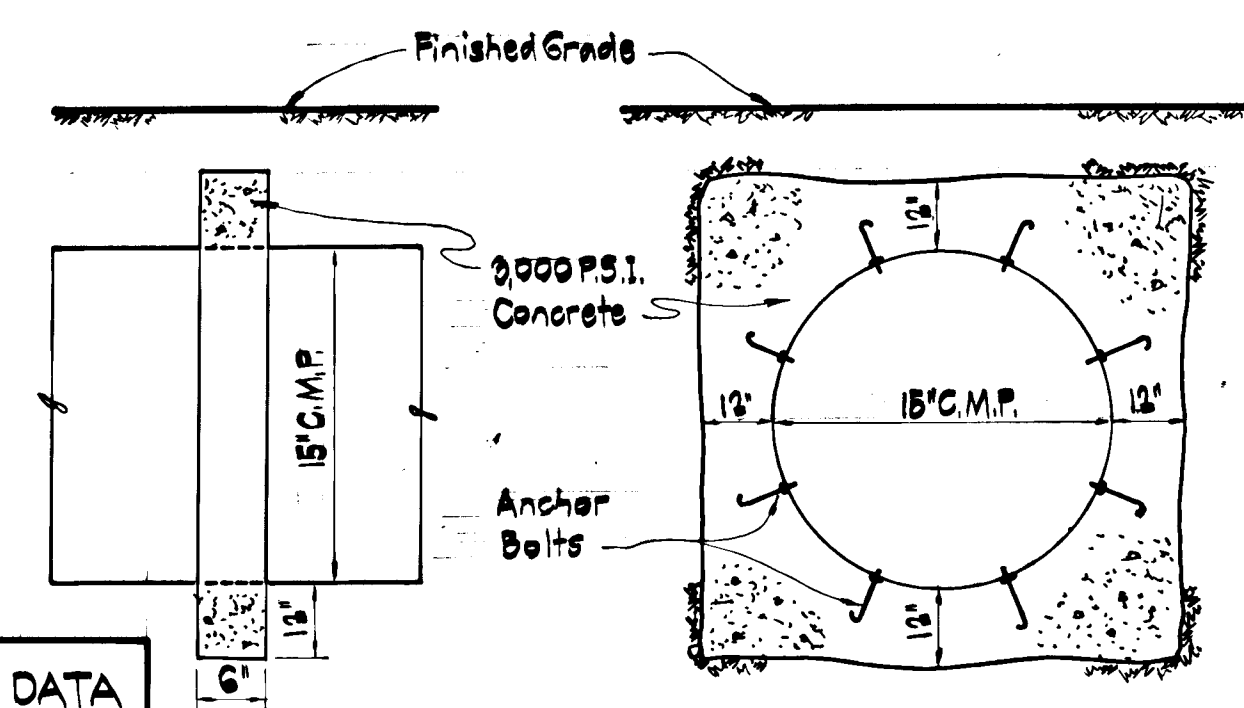
TRAPEZOIDAL SODDED CHANNEL

CHANNEL DESIGN DATA

Location	W	S	d	L
@ S-1	6'	1 1/2'	20"	8'
@ S-2	9'	2'	10"	14'
@ S-4	5'	0.36'	0.18'	10'
@ Curb Opening	3'	0.36'	0.14'	3.5'

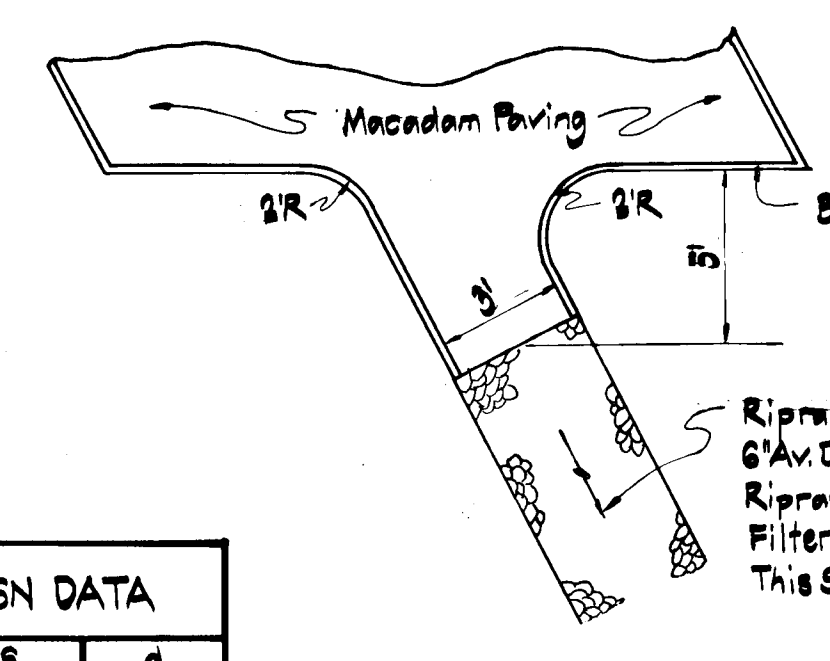
CHANNEL DESIGN DATA

Location	W	S	d
@ S-4	5'	0.36'	0.18'



PIPE ANCHOR

Not to Scale



CURB OPENING

Not to Scale

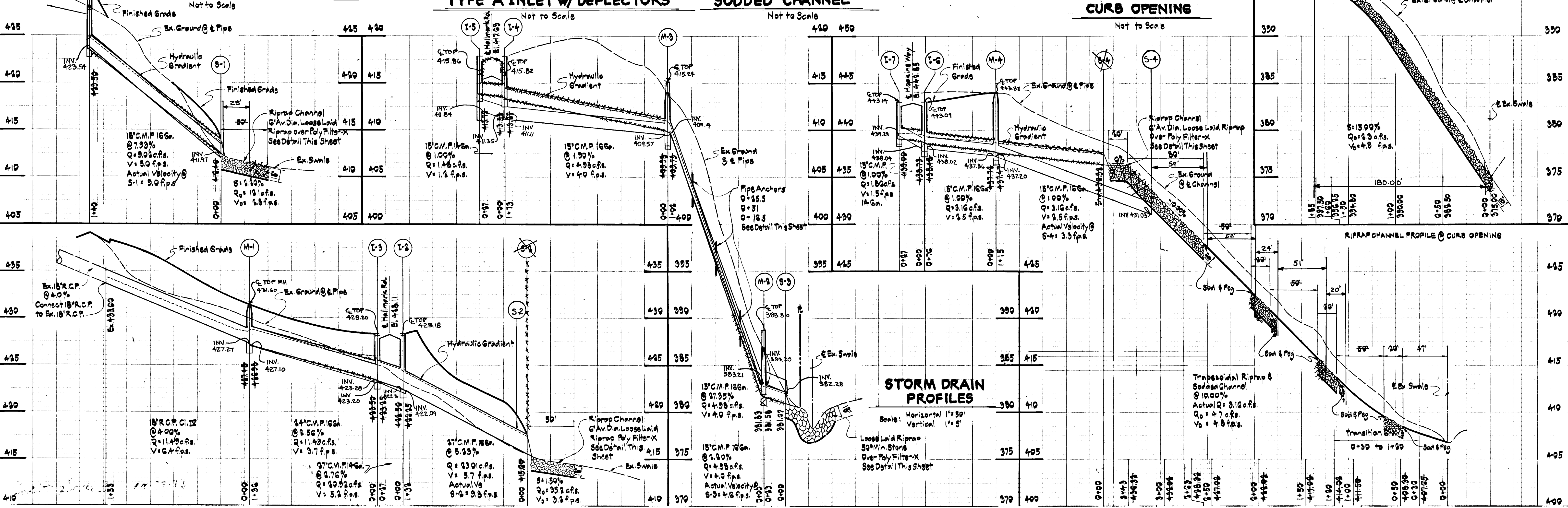
STRUCTURE SCHEDULE

No.	Type	Inv. In	Inv. Out	Top	Remarks
I-1	A-10	448.50	448.50	448.50	Drwg. D64-A, P119-A
I-2	A-5	448.50	448.50	448.50	Drwg. D64-A, P119-A
I-3	A-10	448.50	448.50	448.50	Drwg. D64-A, P119-A
I-4	A-10 w/ Deflectors	419.54	419.57	417.75	Drwg. D64-A, P119-A
I-5	A-5 w/ Deflectors	419.54	419.57	417.75	Drwg. D64-A, P119-A
I-6	A-5	438.73	438.73	438.01	Drwg. D64-A, P119-A
I-7	A-5	438.73	438.73	438.01	Drwg. D64-A, P119-A
M-1	Howard County Standard Manhole	447.48	446.88	431.48	Drwg. D103, P.158
M-2	Howard County Standard Manhole	431.48	431.48	431.48	Drwg. D103, P.158
M-3	Howard County Standard Manhole	449.58	449.58	414.58	Drwg. D103, P.158
M-4	Howard County Standard Manhole	437.74	437.74	443.84	Drwg. D103, P.158
S-1	Metal End Section	---	---	418.00	MD - 379.01 (N)
S-2	Metal End Section	---	---	417.55	MD - 379.01 (N)
S-3	Metal End Section	---	---	431.07	MD - 379.01 (N)
S-4	Metal End Section	---	---	437.47	MD - 379.01 (N)

Notes: All details taken from the Howard County Road Construction Code and Standard Specifications unless otherwise noted (M), All (S) details taken from the State Highway Administration Book of Standard Highway and Incidental Structures.

NOTES

1. All sodded channel design data taken from Section 36.01 of the Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas (1/6/75)
2. All C.M.P. to be 16 Gauge or 14 Gauge as indicated on the plans, all R.C.P. to be Class III.
3. All concrete to be used on this project shall be air entrained.



STORM DRAIN PROFILES

Scale: Horizontal 1" = 50'
Vertical 1" = 5'

APPROVED: Department of Public Works.
W. O. Albert
Chief, Bureau of Highways
10-14-77
Date

Reviewed for Howard Soil Conservation District and meets Technical Requirements.
Wm. D. Wilcox
U.S.D.A. Soil Conservation Service
11-4-77
Date

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 inspections 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.
John Mikolasko
10-1-77
Date

ENGINEER'S CERTIFICATE
I certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
John F. Lopez
John F. Lopez, P.E. Md. Reg. No. 8410
10-1-77
Date

CROVO & ASSOCIATES, INC.
CIVIL ENGINEERING
LAND SURVEYING
8669 OAK ROAD
BALTIMORE, MARYLAND
21234

OWNER
DONALD L. SIMPSON
Johns Hopkins Road
Clarksville, Maryland 21033

DEVELOPER
JOHN MIKOLASKO
2205 Foxly Road
Timonium, Maryland 21093

STORM DRAIN PROFILES & DETAILS
HALLMARK
SECTION ONE
5TH ELECTION DISTRICT HOWARD COUNTY, MD.
SEPTEMBER 20, 1977 SCALE: AS SHOWN
SHEET 5 of 7

COORDINATES		
No.	North	East
1	487,148.89	825,877.84
2	487,193.81	826,809.15
3	486,998.26	826,195.02
4	486,971.11	826,024.42
5	486,868.61	826,654.13
6	486,944.66	827,139.14
7	487,309.37	827,439.88
8	487,574.81	828,459.12
9	486,810.01	827,859.96
10	486,397.81	827,810.81
11	486,184.88	828,817.86
12	485,167.84	827,888.16
13	485,194.10	827,878.10
14	485,264.64	827,884.08
15	485,388.45	827,808.89
16	485,478.07	827,614.43
17	485,884.61	827,543.97
18	485,444.48	827,389.31
19	486,448.99	826,760.07
20	486,308.83	826,886.08
21	486,119.07	826,809.70
22	486,403.82	825,713.33
23	487,013.89	825,844.86

LEGEND

This area designates a private sewage easement of approximately 10,000 sq. ft. as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal.

Percolation Test Hole (Field location)

Dwelling (approx. location)

Well (approx. location)

Percolation Test Hole (test failure)

Percolation Test Hole (Pass)

Note: Well on Lot 33 to be drilled at location shown on plan or Lot will be rejected by Health Department

Note: The coordinates shown herein are based on the Maryland State Grid System. Mon. #228005 Mon. #228006-R

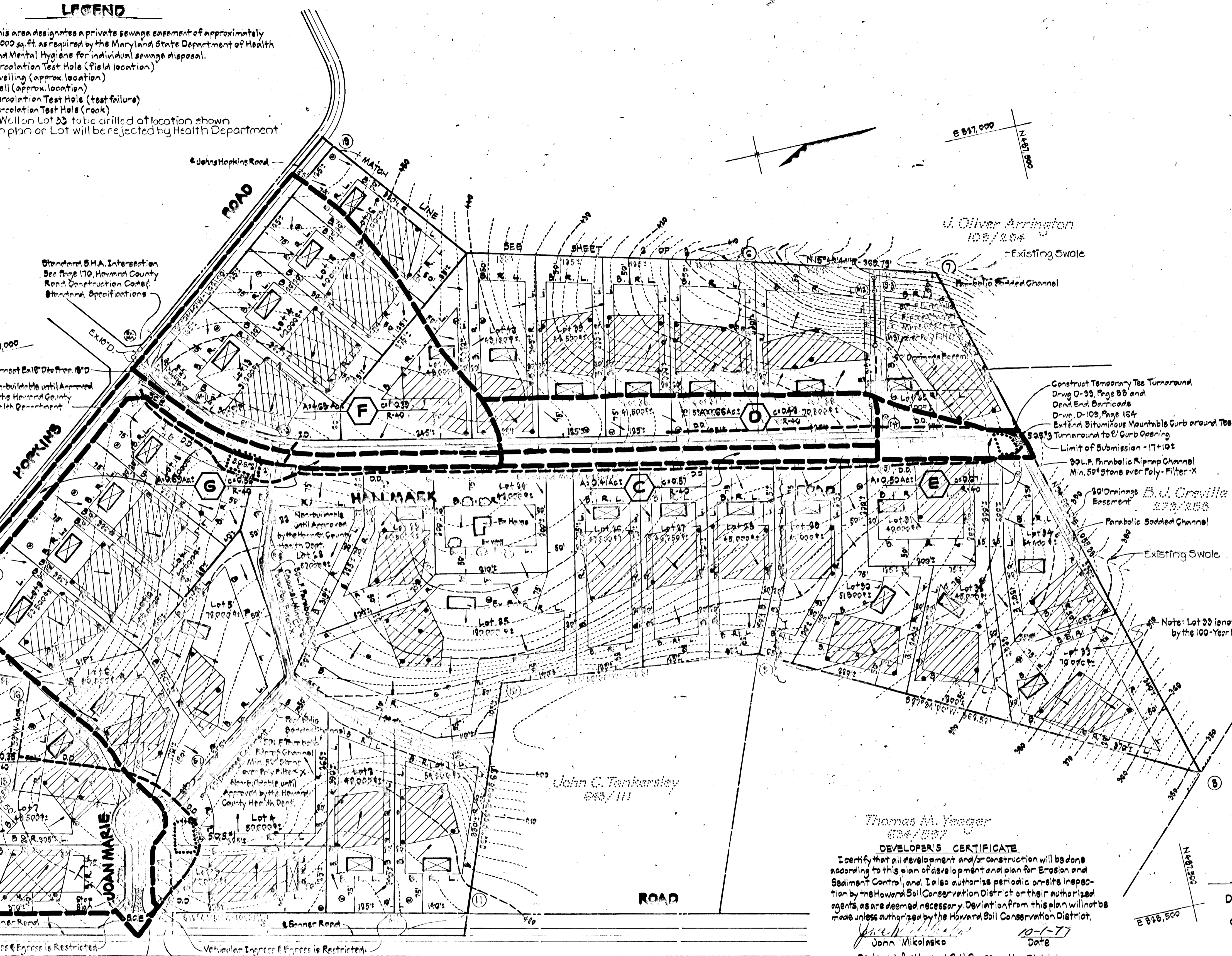
Note: Johns Hopkins Road to be improved along entire frontage of property. See Typical Widening Half-Section Preliminary Road Plan Files Sheet 10-B

Land to be Dedicated to Howard County Md. For the purpose of a Public Road - D.R. 264

APPROVED: Department of Public Works
W.O. Gilbert 10-14-77
Chief, Bureau of Highways
Date

APPROVED: Office of Planning and Zoning
John J. ... 11-22-77
Chief, Division of Land Development
Date

CROVO & ASSOCIATES, INC.
CIVIL ENGINEERING
LAND SURVEYING
8600 OAK ROAD
BALTIMORE, MARYLAND
21234



Standard S.H.A. Intersection See Page 170, Howard County Road Construction Code, Standard Specifications

Note: Banner Road to be improved along entire frontage of property. See Typical Widening Half-Section Preliminary Road Plan Files Sheet 10-B

APPROVED: For private water and private sewerage systems. Howard County Health Department.
Joseph M. ... 8-25-77
County Health Officer
Date

ENGINEER'S CERTIFICATE
I certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

John F. Liparini, P.E., Md. Reg. No. 8419
Date

PLAN
SCALE: 1"=100'

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.

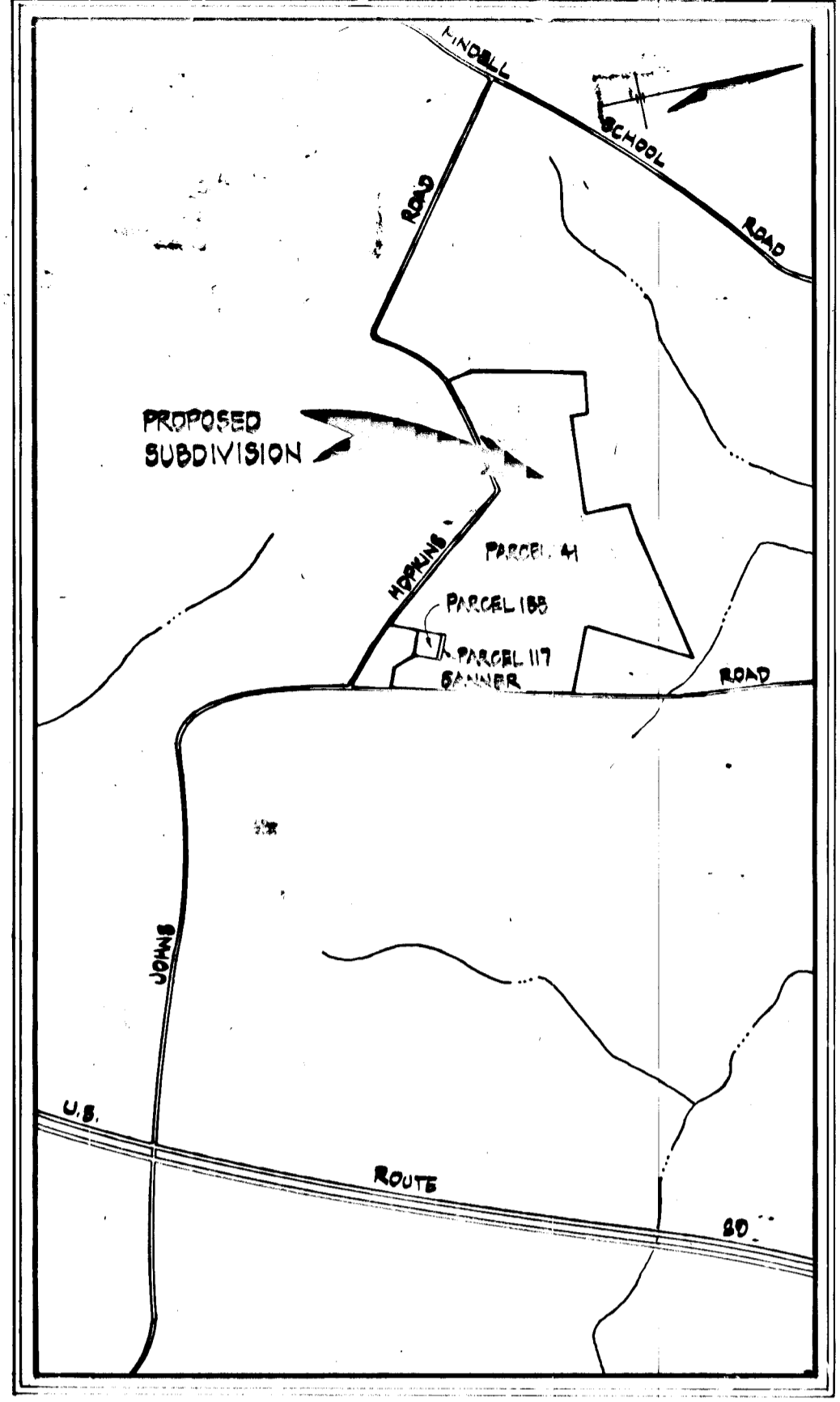
John Mikolasko 10-1-77
John Mikolasko
Date

Reviewed for Howard Soil Conservation District and meets Technical Requirements.
Walter Park 11-4-77
U.S.D.A. Soil Conservation Service
Date

This development plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
John D. ... 11-4-77
District Coordinator, Howard Soil Conservation District
Date

I certify the measurements for the sewage disposal area and the sewage disposal area for these lots are as designated.

Walter Park 7-25-1977
Walter Park, L.S., Md. Reg. No. 5539
Date



VICINITY MAP
SCALE: 1"=1200'

- NOTES**
- Private water and private sewerage systems will be utilized in this subdivision.
 - Present Zoning - R-40
 - Total number of acres - 72.53 acres
 - Total number of lots - 47
 - Total area of lots - 67.1 acres
 - Total area of roads - 3.9 acres
 - Total area of land to be dedicated to Howard County, Maryland - 3.4 acres
 - The lots shown herein comply with the minimum ownership width and lot area as required by the Maryland State Department of Health and Mental Hygiene.
 - Sediment and Erosion Control measures will be provided on the Final Construction Drawings.
 - All construction shall be in accordance with the Howard County Road Construction Code and Standard Specifications.
 - Lots 1 & 2 subject to VP 78-13.
- B. U. Crowley* 8/28/76

OWNER	DEVELOPER
DONALD L. SIMPSON Johns Hopkins Road Clarksville, Maryland 21020	JOHN MIKOLASKO 8205 Fairy Road Timonium, Maryland 21083

DRAINAGE AREA MAP
HALLMARK SECTION ONE
TAX MAP 41 PARCELS 41, 117 & 188
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SEPTEMBER 30, 1977
SCALE: 1"=100'
SHEET 6 OF 7

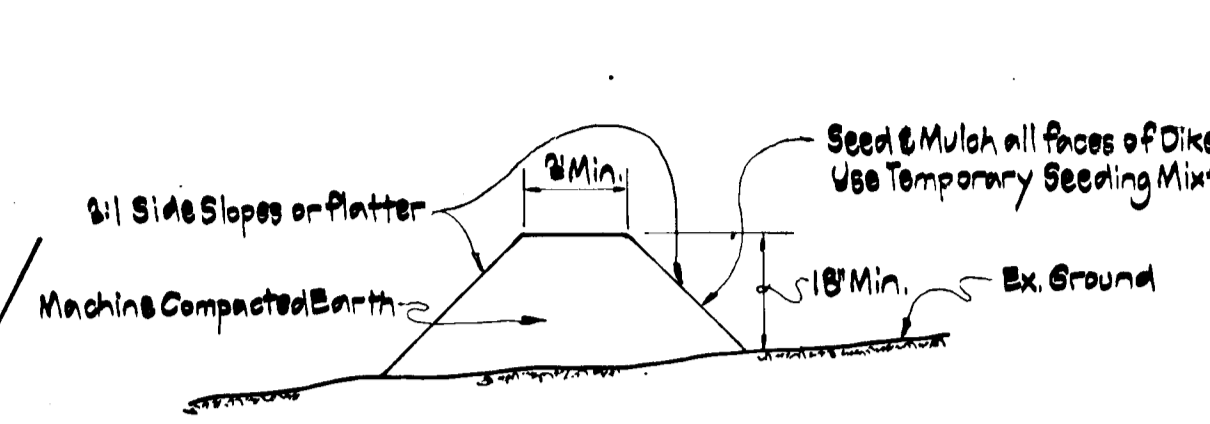
AS-BUILT SURVEY DATA BY
EARL D. COLLINS, MD. PE #153
SIGNED, SEALED & DATED 9/6/80.

SEDIMENT CONTROL NOTES

- The developer shall notify the Howard County Bureau of Inspections and Permits at least 24 hours prior to beginning any construction shown herein. (AGS-5000)
- All sediment control structures to be constructed prior to any onsite grading or disturbance to any existing surface material, and are to be stabilizing soon as constructed.
- All sediment control structures to remain in place until permission for their removal has been obtained from the Howard Soil Conservation District.
- All graded areas, not to be paved, shall be stabilized in accordance with the following:
 - Place 3" compacted layer of topsoil to finished grade.
 - Spread pulverized dolomitic limestone at the rate of 4 lbs./1,000 sq. ft.
 - Spread 5-10-10 commercial grade fertilizer at the rate of 45 lbs./1,000 sq. ft. and immediately disc into soil to 3" depth.
 - Seed prepared areas at the rate of 3 lbs./1,000 sq. ft. using the following mixtures:
 - Temporary mixture: Italian or Perennial Rye Grass;
 - Permanent mixture: 40% Merion Kentucky Bluegrass; 40% Common Kentucky Bluegrass; 20% Fern Lawn.
 - All seeding shall be done with a fork rake (minimum of 2 passes) and covered and compacted with a cultipacker or other approved method.
 - Mulch all areas immediately after seeding with weathered small grain straw at the rate of 70 lbs./1,000 sq. ft. and spray with emulsified asphalt at the rate of 0.4 gal./sq. yd.
 - All seeded areas which do not show signs of germination within 4 weeks after seeding shall be reseeded or resodded if necessary.
- Periodic inspection and required maintenance must be provided by the developer or his representative on a weekly basis to ensure proper functioning of all sediment control structures.
- All sediment control structures to be constructed in accordance with this plan and the Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas' (6/75)
- Sediment and Erosion Control Requirements shown herein are for road and storm drain construction only. Further development of individual lots are subject to additional Sediment and Erosion Control Requirements.
- The developer shall provide sediment control plan for improvements for the individual lots, and if more than one lot is being developed at a time, an overall plan for sediment control shall be submitted for review and approval.
- All seeded areas shall be stabilized in accordance with the following:
 - Spread 5-10-10 commercial grade fertilizer at the rate of 45 lbs./1,000 sq. ft.
 - Spread ground agricultural limestone at the rate of 50 lbs./1,000 sq. ft.
 - Disc limestone and fertilizer into soil and firm up after discing.
 - Lay sod to a tight fit and roll to ensure contact with the underlying soil. Water as necessary for first two weeks (in summer) to ensure establishment.

STABILIZED CONSTRUCTION ENTRANCE

Not to Scale



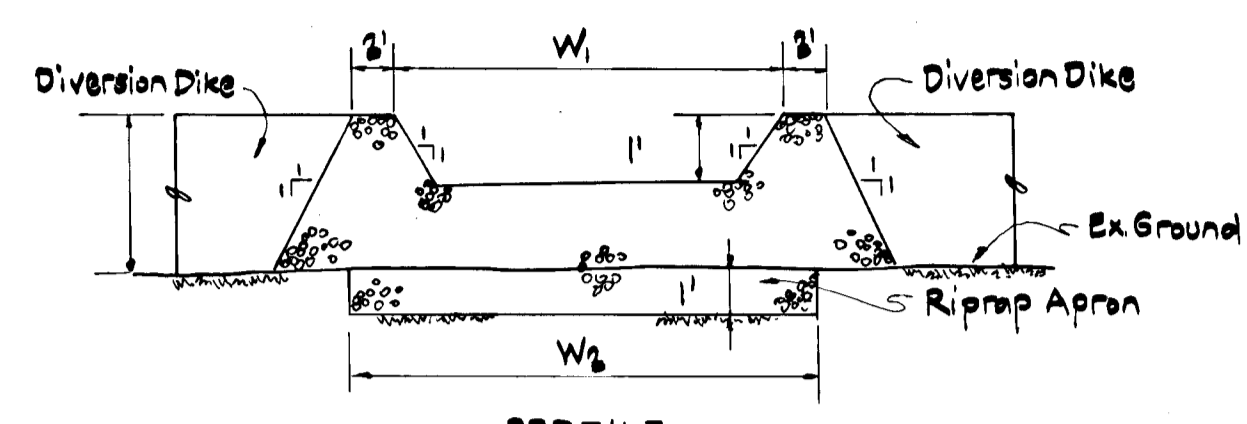
DIVERSION DIKE

Not to Scale



STONE OUTLET STRUCTURE

Not to Scale



Structure	W ₁	W ₂	Drainage Area	Disturbed Area
S.O.S. #1	24'	36'	3.9 Ac.	1.3 Ac.
S.O.S. #2	39'	34'	4.9 Ac.	1.7 Ac.
S.O.S. #3	9'	15'	1.4 Ac.	1.0 Ac.
S.O.S. #4	5'	9'	0.8 Ac.	0.4 Ac.
S.O.S. #5	5'	9'	0.8 Ac.	0.4 Ac.

Note: Cleanout Elevation for all traps is 1/2 of their capacity.

Structure	Vol. Required	Vol. Provided	Trap Size
S.O.S. #1	461.3 CY	467 CY	60" x 40" x 3'
S.O.S. #2	288.3 CY	333 CY	75" x 40" x 3'
S.O.S. #3	32.3 CY	111 CY	50" x 30" x 2'
S.O.S. #4	53.6 CY	59 CY	40" x 20" x 2'
S.O.S. #5	59.6 CY	59 CY	40" x 20" x 2'

PERCOLATION TEST DATA

Lot No.	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 Existing Grade at Time of Percolation Test
1	8	4'
2	8	4'
3	12	4'
4	8	4'
5	8	3'
6	8	4'
7	12	3'
8	8	4'
9	11	4'
10	8	3'
11	24	4'
12	8	4'
13	9	5'
14	10	4'
15	8	4'
16	11	3 1/2'
17	17	4'
18	13	5'
19	9	4'
20	10	5'
21	8	5'
22	8	5'
23	8	4'
24	18	EXISTING HOUSE REPAIR AT 5'
25	8	3'
26	8	3'
27	8	3'
28	8	4'
29	10	4'
30	8	4'
31	8	4'
32	8	3'
33	8	3'
34	13	3'
35	8	3 1/2'
36	8	4'
37	8	4'
38	12	3 1/2'
39	8	5'
40	8	4'
41	8	3'
42	8	3'
43	8	2'
44	8	3'
45	8	3 1/2'
46	8	4'
47	8	3'

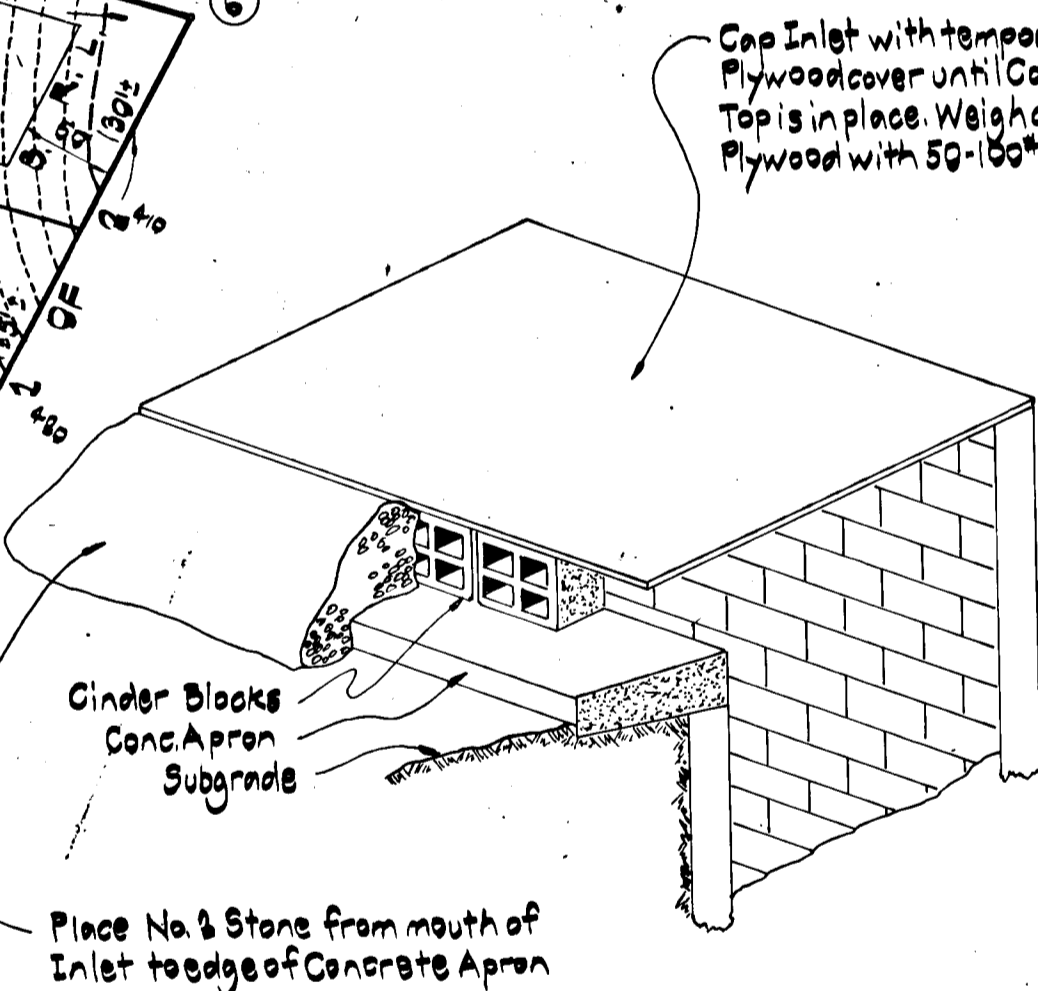
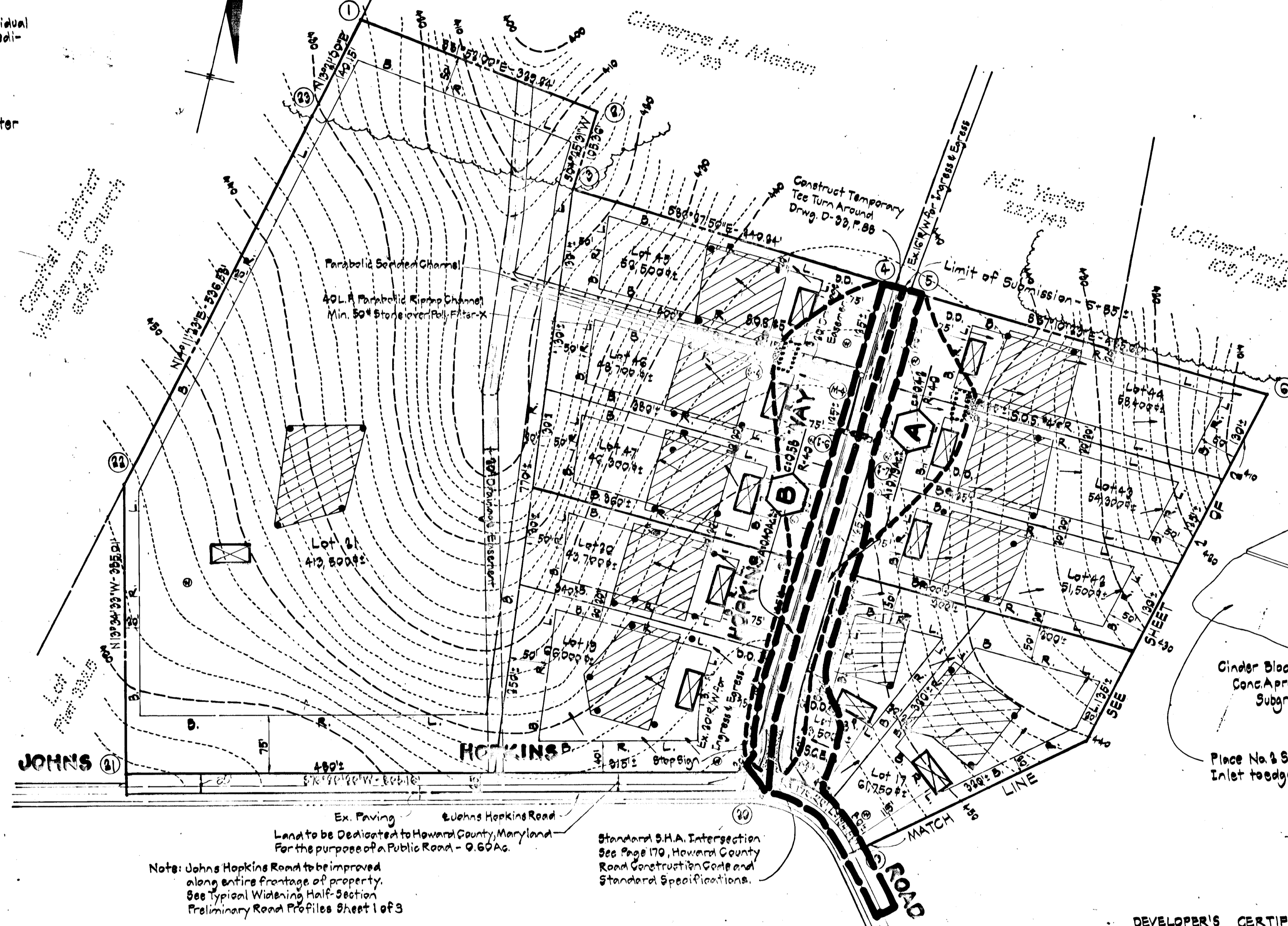
Note: Lots 3, 8, 23, 26, 27, 32, 34, 35, 40, 43, 46, 47 shall have the system installed first before the issuance of a building permit.

CONSTRUCTION SEQUENCE

- Obtain grading permit.
- Place stabilized construction entrances.
- Place all dikes, sediment traps and stone outlet structures.
- Place roadway to subgrade.
- Install storm drain system.
- Place riprap channel and grade trapezoidal sodded channel.
- Stabilize sodded channel in accordance with note 3.
- Stabilize all outside fill slopes in accordance with note 3.
- Lay pavement courses and bituminous mountable curb.
- Final grade slopes between curb and property lines.
- Stabilize in accordance with note 3.
- Remove sediment control structures.

SITE ANALYSIS

- Total Area of Subdivision - 68.9 Ac.±
- Total Area to be Disturbed - 3.0 Ac.±
- Total Area to be Paved - 1.5 Ac.±
- Total Area to be Revegetated - 1.5 Ac.±
- Total Area to be Undisturbed - 65.9 Ac.±



INLET PROTECTION

Not to Scale

OWNER	DEVELOPER
DONALD L. SIMPSON Johns Hopkins Road Clarksville, Maryland 21040	JOHN MIKOLASKO 8205 Foxly Road Timonium, Maryland 21083

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.
John Mikolasko 11-1-77
Date

PLAN

SCALE: 1"=100'

ENGINEER'S CERTIFICATE
I certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
John A. Liparini 7/31/77
Date
John A. Liparini, P.E., Md. Reg. No. 8419

APPROVED: For private water and private sewerage systems.
Howard County Health Department.
Joseph J. Fordus 8-25-77
County Health Officer Date

APPROVED: Department of Public Works.
W.O. LaBek 10-14-77
Chief, Bureau of Highways Date
APPROVED: Office of Planning and Zoning.
John D. Meyer 11-7-77
Chief, Division of Land Development Date

CROVO & ASSOCIATES, INC.

CIVIL ENGINEERING
LAND SURVEYING

8669 OAK ROAD
BALTIMORE, MARYLAND
21234



Walter Park 7/21/77
Walter Park, L.S., Md. Reg. No. 5599 Date

DRAINAGE AREA MAP

HALLMARK SECTION ONE

TAX MAP 41 PARCELS 41, 117 & 188
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SEPTEMBER 30, 1977
SCALE: 1"=100'
SHEET 7 OF 7