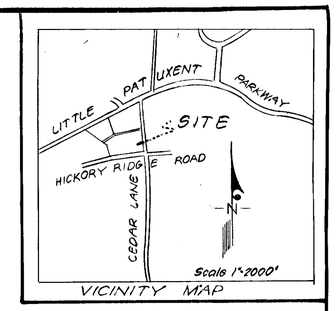
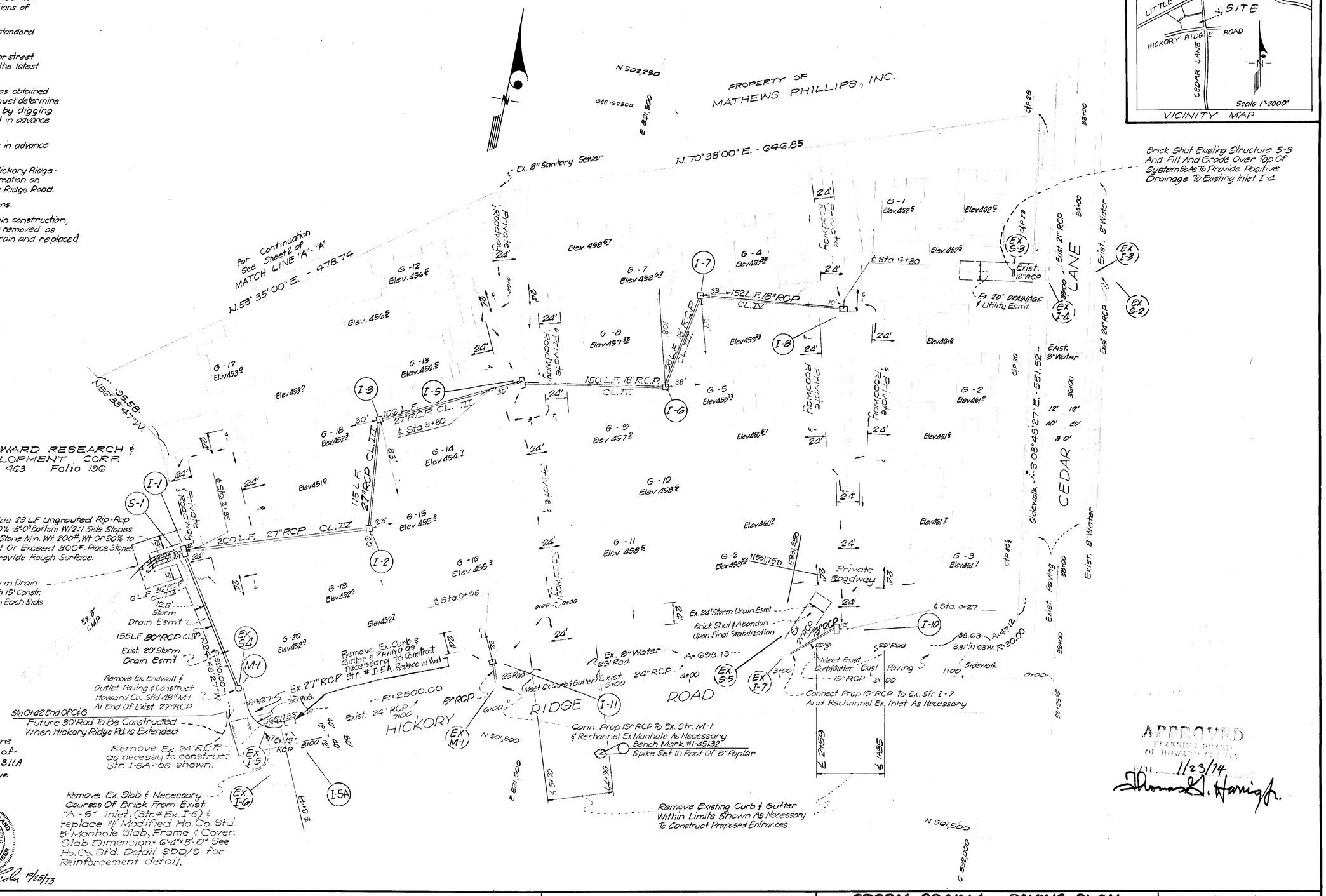
GENERAL NOTES

1. All storm drain and paving shall be constructed in accordance with the latest details and specifications of Howard County
2. Types of storm drain structures refer to the standard details of Howard County
3. Trench compaction for storm drains with road or street right-of-way limits shall be in accordance with the latest Howard County Road Code.
4. Information concerning underground utilities was obtained from available records, but the Contractor must determine the exact location and elevation of the mains by digging test pits by hand at all utility crossings, well in advance of trenching.
5. All utility companies shall be notified 48 hours in advance of construction.
6. See previously approved plans for "Village Of Hickory Ridge - Section 1, Area 3" by MARCIE-FOWLER for information on Cedar Lane - Little Patuxent Parkway - and Hickory Ridge Road.
7. All building elevations given are slab elevations.
8. If sidewalks are existing at time of storm drain construction, in Hickory Ridge Road or Cedar Lane, it is to be removed as necessary to construct proposed storm drain and replaced in kind.



VICINITY MAP



The lots or parcels shown on this plan (plat) are subject to the supplemental sewer in-aid-of-construction charge created by Section 20.311A of the Howard County Code and to Executive Order No. 72-9.

STATE OF MARYLAND — MARYLAND REGISTERED PROFESSIONAL ENGINEER No. 6251

10/25/73

APPROVED: For Public Water & Public Sewage, Storm Drainage Systems & Public Roads Howard County Dept. Of Public Works.

William D. Ritter — Director — 2/5/74 Date

L. M. Mikesell — Chief Bureau Of Highways — 2/5/74 Date

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 1/23/74
Thomas G. Harrington

JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
10750 COLUMBIA PIKE • SILVER SPRING, MD.
593-2990 20901

STORM DRAIN AND PAVING PLAN
VILLAGE OF CLARYS FOREST
SECTION ONE - AREA I
COLUMBIA
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

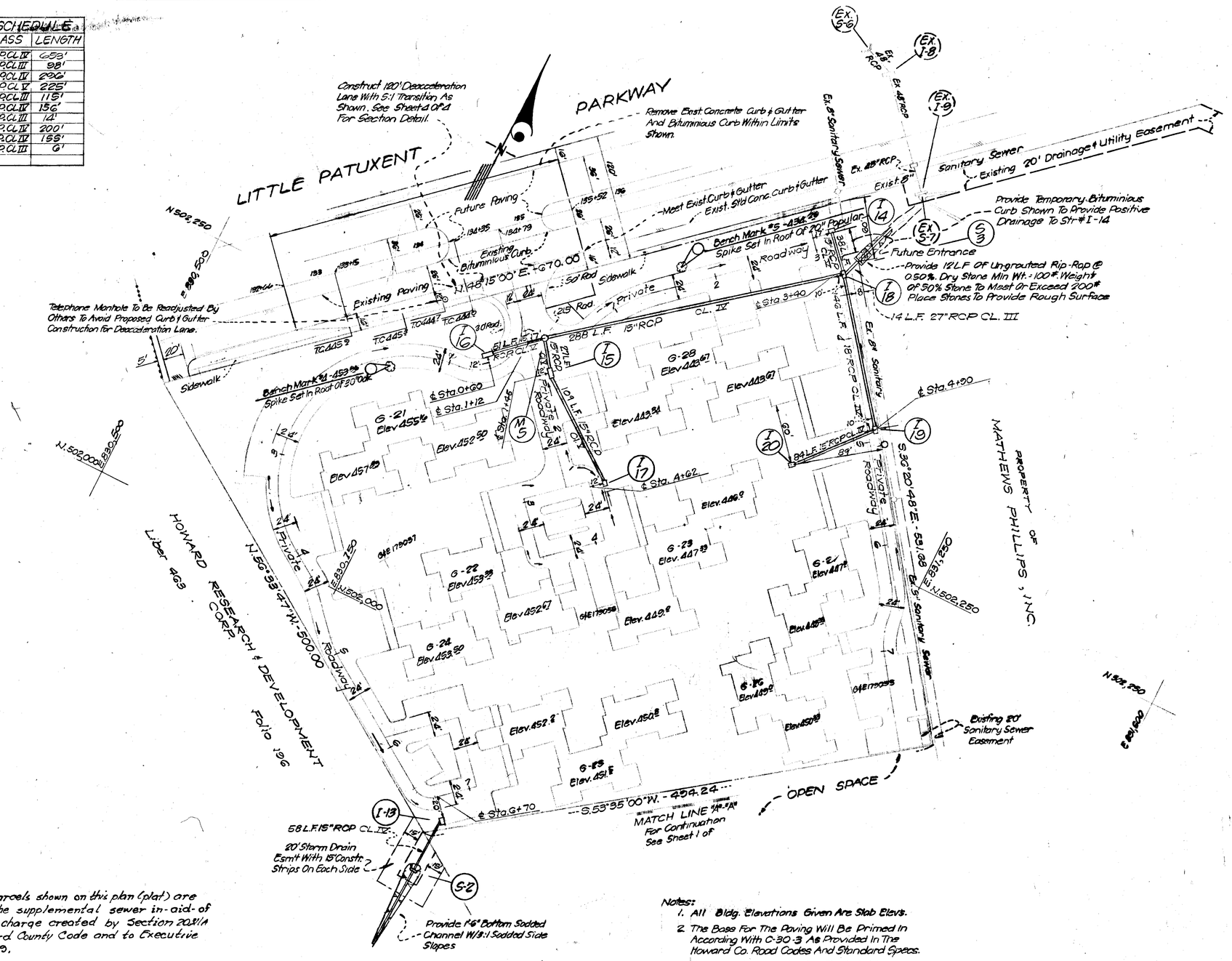
OWNER: Mathew - Phillps, Inc.
10750 Columbia Pike
Silver Spring, Md 20901
Phone: 681-6200

DESIGN: H.G.O	SHEET 1 OF 6	
DRAFT: T.B.A	DATE: May 1973	JOB NO.: 2-113-40
APPROVED	SCALE: 1" = 50'	FILE NO.: 2-113-40-8

SDP 74-41c

DIETZGEN 12664

PIPE SCHEDULE		
SIZE	CLASS	LENGTH
15"	RCP.CL IV	658'
18"	RCP.CL III	98'
18"	RCP.CL IV	290'
15"	RCP.CL V	225'
24"	RCP.CL III	115'
24"	RCP.CL IV	156'
27"	RCP.CL III	14'
27"	RCP.CL IV	200'
30"	RCP.CL IV	188'
36"	RCP.CL III	6'



STRUCTURE SCHEDULE					
NO.	TYPE	INV. IN	INV. OUT	TOP OF CURB	REMARKS
I-1	Std "A-10" Inlet	439.15 / 438.65	439.15	445.50	Howard Co. Std. W-2'-6"
I-2	Std "E" Inlet	443.13	442.55	447.30	
I-3	Std "E" Inlet	444.47	444.07	449.10	
I-5	Std "A-10" Inlet	447.30	445.64	450.90	W-2'-6"
I-6	Std "E" Inlet	449.01	449.38	454.20	
I-7	Std "E" Inlet	451.37	450.89	455.10	
I-8	Double "5" Comb.	—	452.43	456.10	①
I-10	Std "A-10" Inlet	—	453.25	Upper-459.55 Lower-459.55	W-2'-6"
I-11	Double "5" Comb.	—	447.50		
I-5A	Std "A"-10 Inlet	442.74	442.66	Upper-447.00 Lower-447.00	W-2'-6"
I-13	Std "A-5" Inlet	—	445.00	448.20	W-2'-6"
I-14	Std "A-5" Inlet	—	432.50	436.00	W-2'-6"
I-15	Std "A-10" Inlet	440.60	440.30	Upper-443.40 Lower-443.90	W-2'-6"
I-16	Std "A-10" Inlet	—	442.03	Upper-446.75 Lower-446.25	W-2'-6"
I-17	Std "A-5" Inlet	—	441.69	444.60	W-2'-6"
I-18	Double "5" Comb.	432.31 / 432.50	430.73	Upper-436.42 Lower-436.42	①
I-19	Double "5" Comb.	434.07	433.46	Upper-438.78 Lower-438.21	①
I-20	Std "E" Inlet	—	437.43	440.53	②
Ex. I-5	Modified Manhole	442.40	441.40	Top Slab-446.50 Top Frame & Cover-451.40	⊛
M-1	B-Manhole	440.90	440.50	447.00	
M-3	B-Manhole	439.31	439.00	443.25	
S-1	Std "F" Endwall	—	439.11	—	#
S-2	Std Supt. Wall	—	444.62	—	
S-3	Std Supt. Wall	—	430.66	—	Howard Co. Std. #

With Ungrouted Rip-Rap
⊛ Add Note: "Remove Ex. Frame & Grates _ _ _"

① Elevations are Top of Curb.
② Elevations to Top of Grate.

The lots or parcels shown on this plan (plat) are subject to the supplemental sewer in-aid-of construction charge created by Section 20.911A of the Howard County Code and to Executive Order No. 72.9.

Notes:
1. All Bldg. Elevations Given Are Slab Elevs.
2. The Base For The Paving Will Be Primed In According With C-30-3 As Provided In The Howard Co. Road Codes And Standard Specs.
3. For Typical Paving Detail See Sheet 2 of 2

STATE OF MARYLAND — MICHAEL BOALITO McCORDIC — No. 5051 — REGISTERED PROFESSIONAL ENGINEER
M. B. McCordic 1/15/73

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 1/23/74
Thomas G. Harris Jr.

APPROVED: For Public Water & Public Sewage, Storm Drain Systems & Public Roads Howard County Dept of Public Works.

William E. Allen — Director — 2/7/74 Date

B. M. Mellend — Chief Bureau Of Highway — 2/5/74 Date

JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
10750 COLUMBIA PIKE • SILVER SPRING, MD. 20901
593-2990

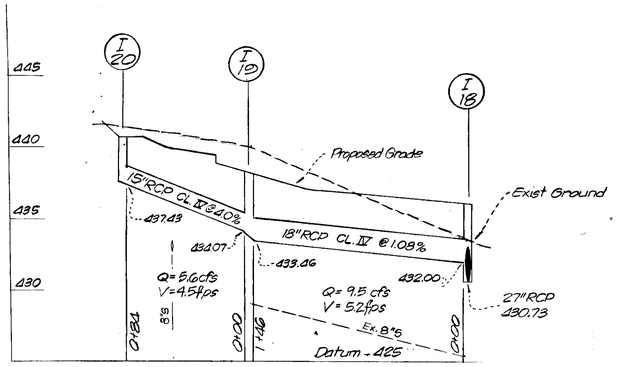
STORM DRAIN AND PAVING PLAN
VILLAGE OF CLARYS FOREST
SECTION ONE - AREA I
COLUMBIA
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

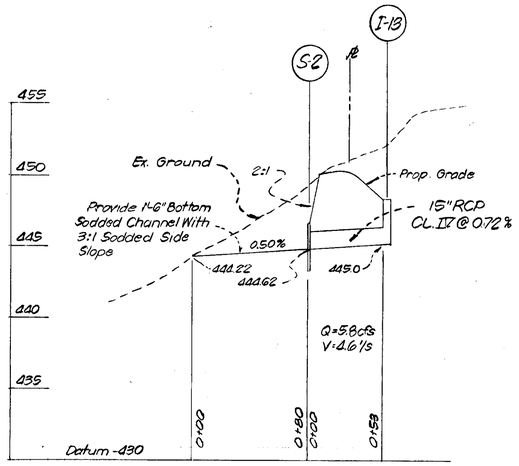
OWNER: Mathew - Phillips Inc.
10750 Columbia Pike
Silver Spring, Md 20901
Phone 681-6200

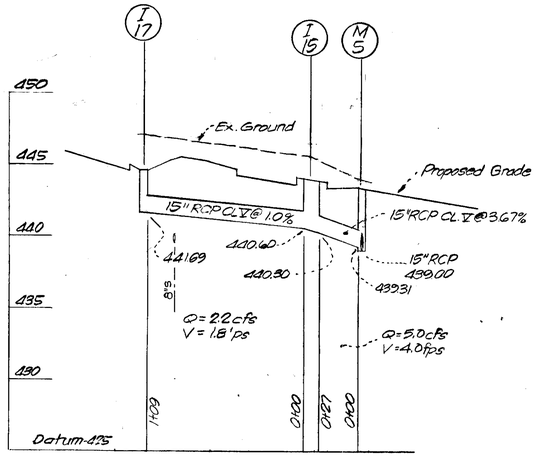
DESIGN HGD	SHEET 2 OF 6	
DRAFT TGA	DATE: May 1963	JOB NO. 2-113-40
APPROVED	SCALE: 1" = 50'	FILE NO. 2-113-40-B

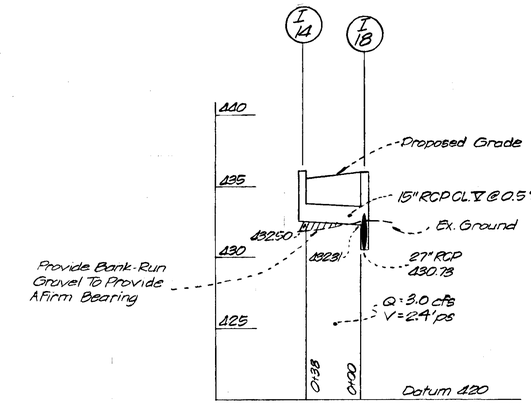
DIETZGEN 12604

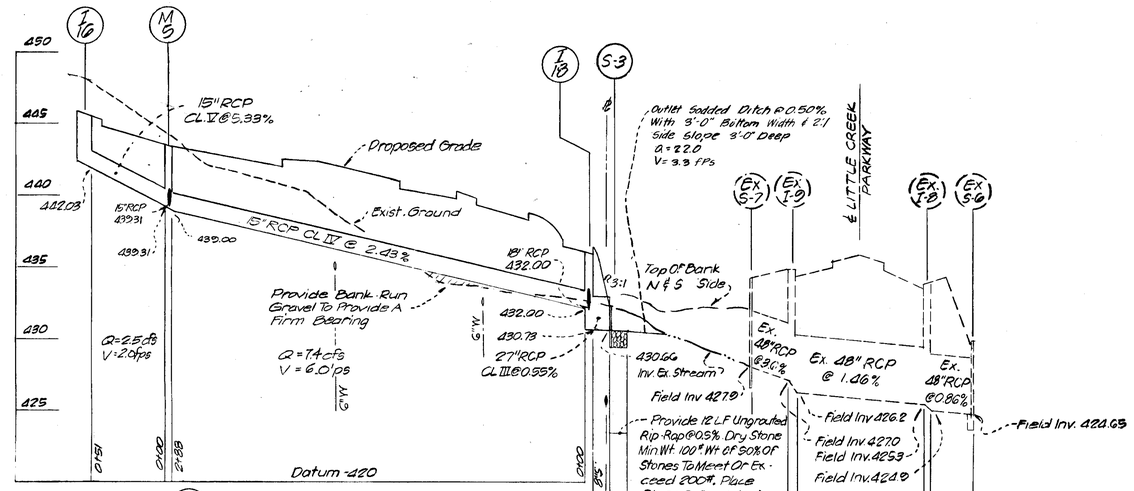
SDP 74-41 C.

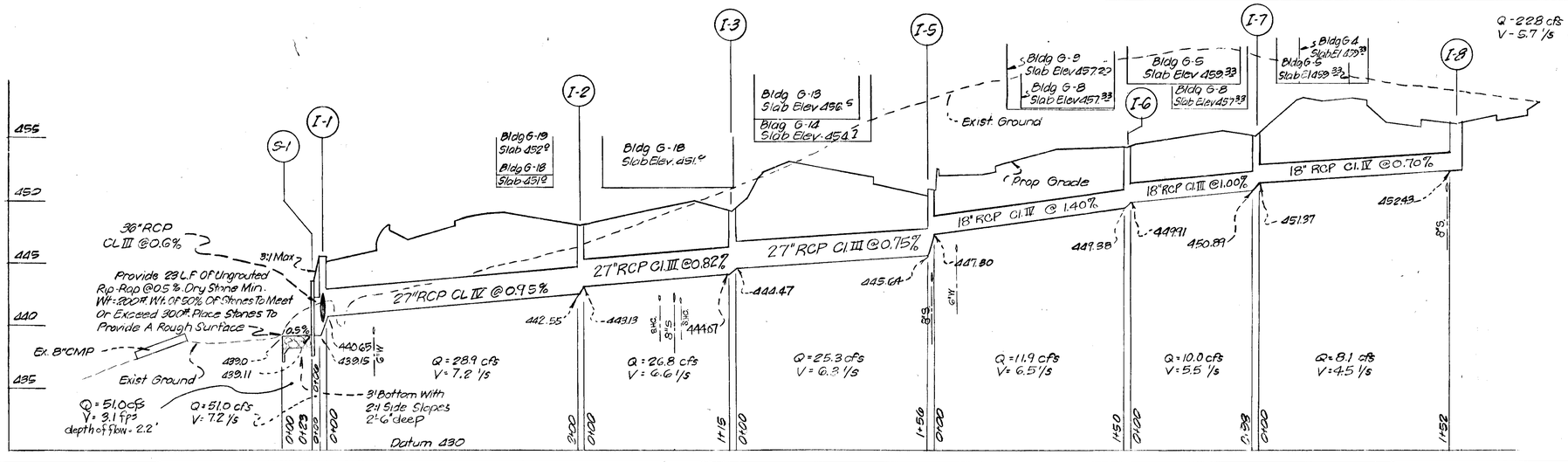












STORM DRAIN PROFILES

Scale: Hor 1"=50'
Ver 1"=5'

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 1/23/74

STATE OF MARYLAND
MICHAEL GRANTLY McCORDIC
No. 5013
REGISTERED
PROFESSIONAL ENGINEER

1/23/73

APPROVED: For Public Water & Public Sewage, Storm Drainage Systems & Public Roads Howard County Dept. Of Public Works.

Director — Date 2/7/74

Chief Bureau Of Highways — Date 2/5/74

JN 1268A

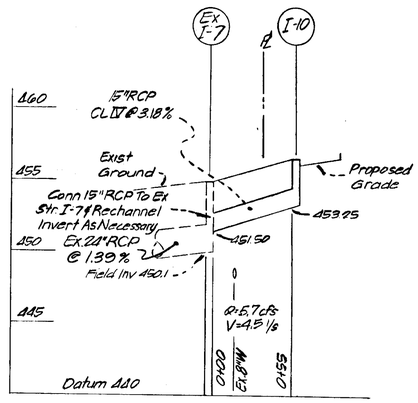
JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
10750 COLUMBIA PIKE • SILVER SPRING, MD.
593-2990 20901

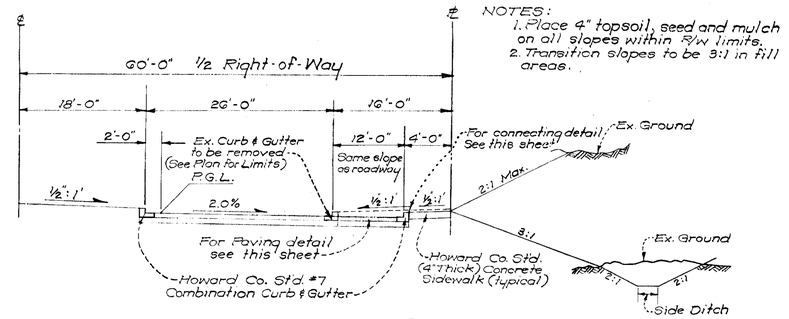
STORM DRAIN AND PAVING PLAN
VILLAGE OF CLARYS FOREST
SECTION ONE - AREA I
COLUMBIA
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER: Mathew - Phillips, Inc.
10750 Columbia Pike
Silver Spring, Maryland
Phone: 681-6200

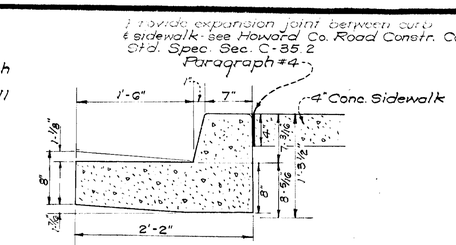
DESIGN H.G.D	SHEET 3 OF 6		
DRAFT T.B.A	DATE May-1973	JOB NO. 2-113-40	
APPROVED	SCALE 1"=50'	FILE NO. 2-113-40-8	

SDP 74-116

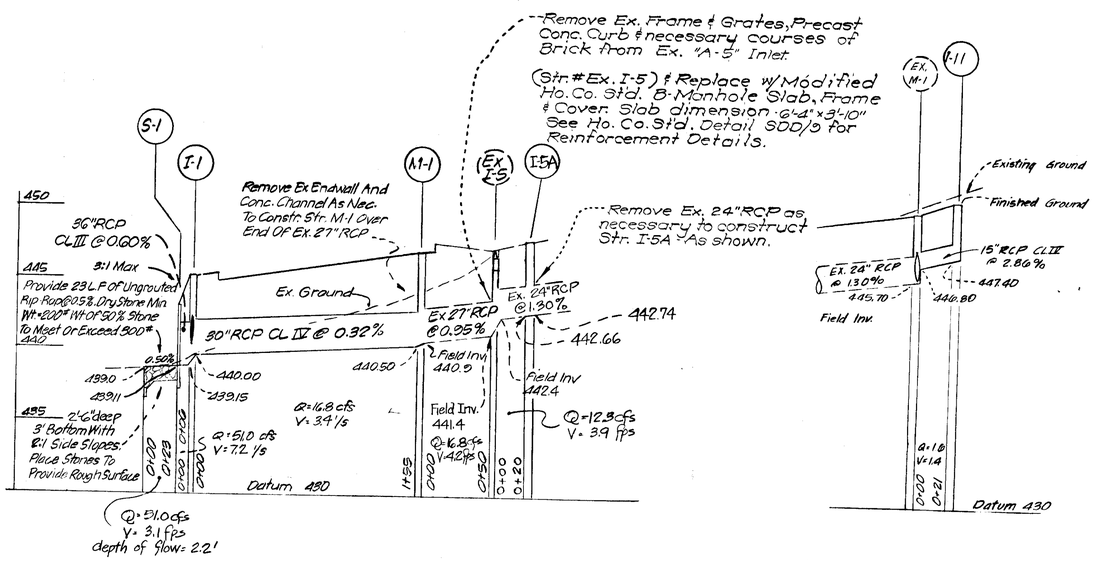




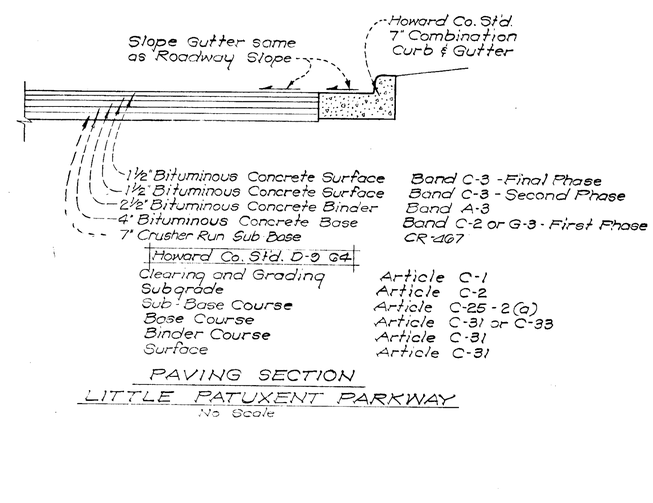
PARTIAL SECTION - DEACCELERATION LANE
LITTLE PATUXENT PARKWAY
Scale: 1"=10'



STANDARD 7" COMBINATION CURB & GUTTER AND 4" SIDEWALK
No Scale



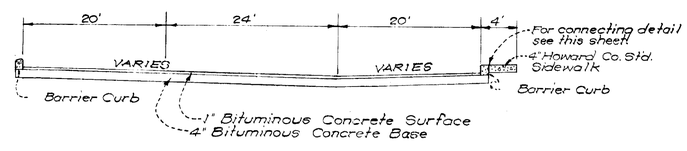
STORM DRAIN PROFILES
SCALE: HORZ 1"=50'
VERT 1"=5'



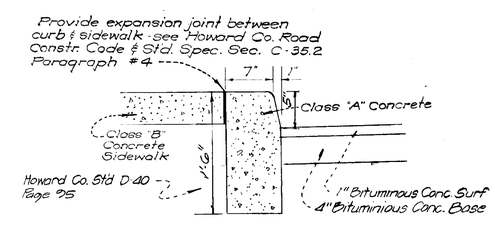
Howard Co. Std. D-9 G4	
Clearing and Grading	Article C-1
Subgrade	Article C-2
Sub-Base Course	Article C-25-2(a)
Base Course	Article C-31 or C-33
Binder Course	Article C-31
Surface	Article C-31

PAVING SECTION
LITTLE PATUXENT PARKWAY
No Scale

NOTES: 1. To be constructed in accordance with The Howard Co. Road Constr. Code and Specifications.
2. Placing of tack coat shall be installed immediately in advance of the placing of the Bituminous Concrete. See Howard Co. Constr. Code and Specifications #C-31-4-M.
3. Base will be primed in accordance with C30-3 as provided in Howard Co. Road Constr. Code & Std. Specs.



TYPICAL PAVING SECTION THRU PARKING LOT
No Scale



STANDARD BARRIER CURB IN ALL PARKING BAYS
No Scale

STATE OF MARYLAND
MICHAEL GERALD MONTEITH
No. 10951
REGISTERED
PROFESSIONAL ENGINEER
10/25/73

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 11/23/74
Thomas G. Harris Jr.

APPROVED: For Public Water & Public Sewage, Storm Drainage Systems & Public Roads Howard County Dept. of Public Works.

William E. Allen — Director — 2/7/74 DATE

B. M. Mesenburg — Chief Bureau of Highways — 2/5/74 DATE

DIETZGEN 12684

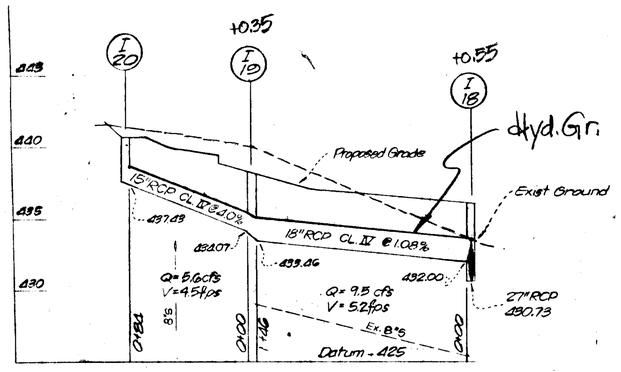
JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
10750 COLUMBIA PIKE • SILVER SPRING, MD.
593-2990 20901

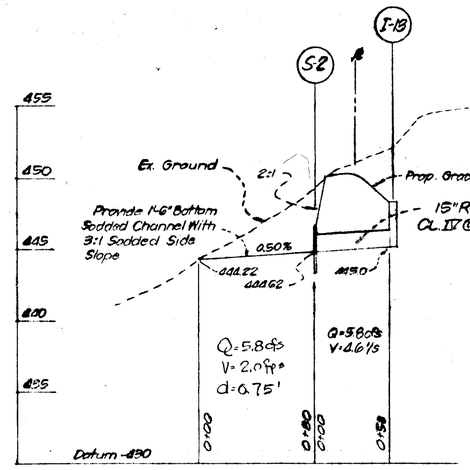
STORM DRAIN AND PAVING PLAN
VILLAGE OF CLARYS FOREST
SECTION ONE - AREA I
COLUMBIA
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

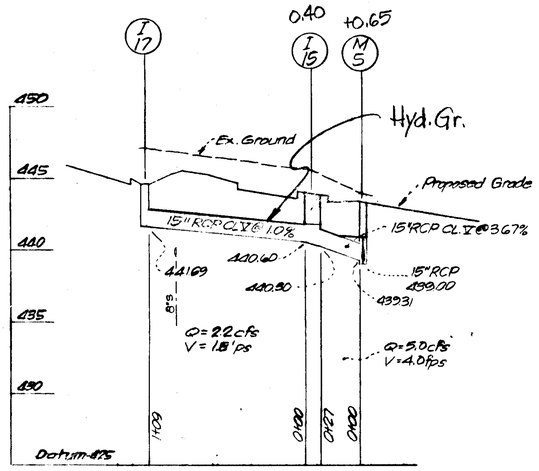
OWNER: Mathew-Phillips-Inc.
10750 Columbia Pike
Silver Spring, Md 20901
Phone 681-6200

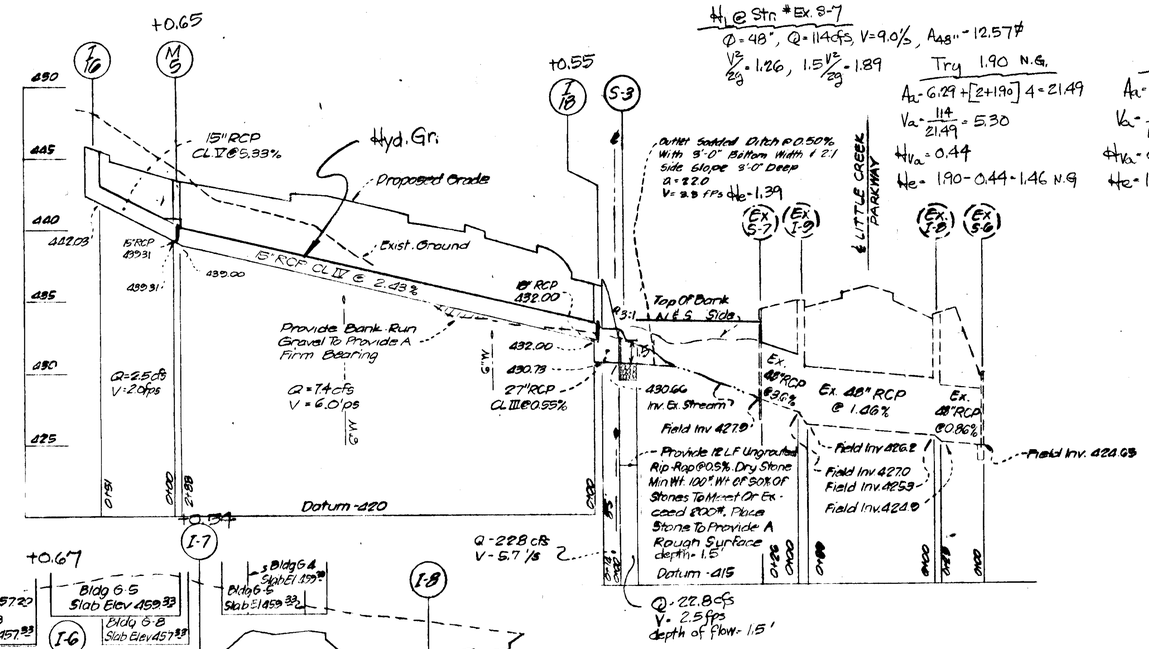
DESIGN 1150	SHEET 4 OF 6	
DRAFT TBA	DATE: June, 1978	JOB NO. 2-113-40
APPROVED	SCALE: As Noted	FILE NO. 2-113-40B

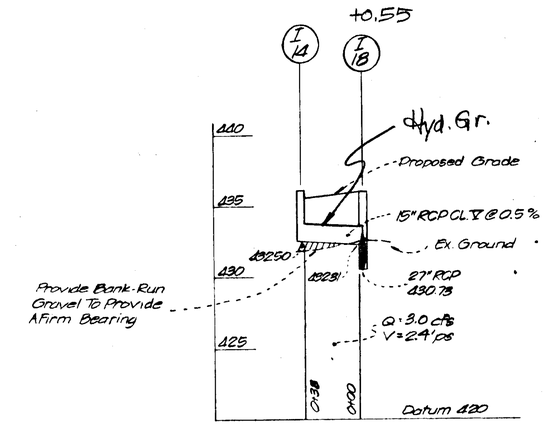
SDP 74-41C.











H_L @ Str. # Ex. 8-7

$\phi = 48"$, $Q = 114$ cfs, $V = 9.0$'s, $A_{48"} = 12.57$ #

$\frac{V^2}{2g} = 1.26$, $1.5\frac{V^2}{2g} = 1.89$

Try 1.90 N.G.

$A_2 = 6.29 + [2 + 1.90]\,4 = 21.49$

$V_a = \frac{114}{21.49} = 5.30$

$H_{Va} = 0.44$

$H_e = 1.90 - 0.44 = 1.46$ N.G.

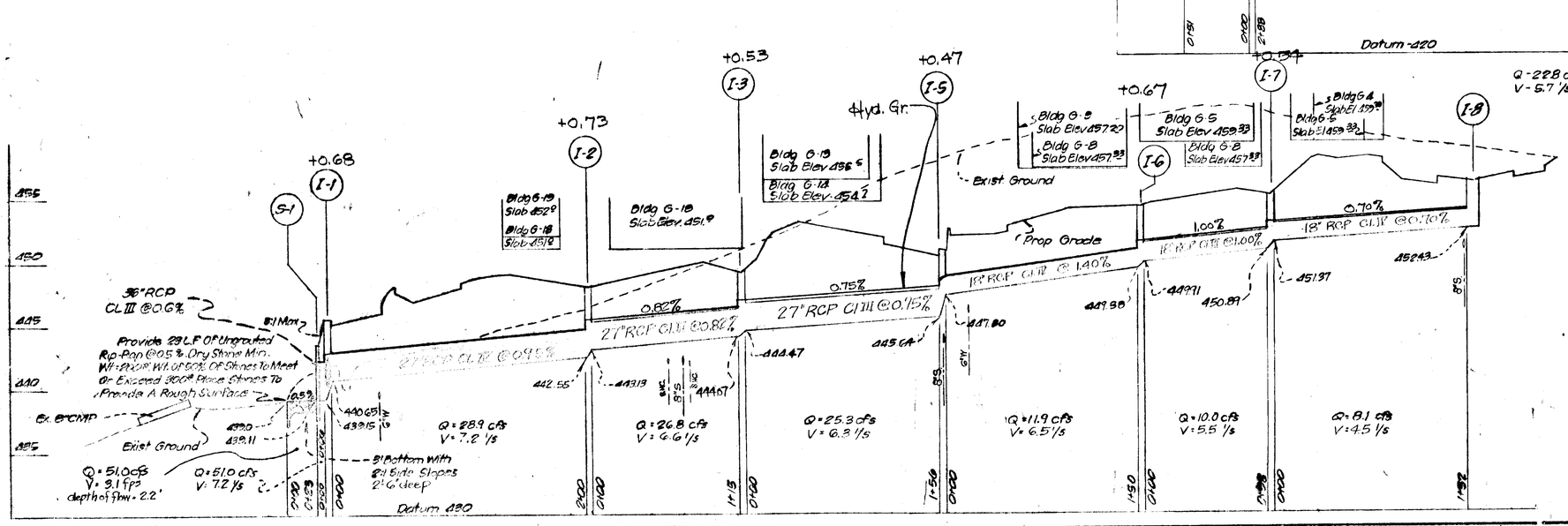
Try 1.40

$A_2 = 6.29 + [2 + 1.40]\,4 = 19.89$

$V_a = \frac{114}{19.89} = 5.73$

$H_{Va} = 0.51$

$H_e = 1.90 - 0.51 = 1.$



STORM DRAIN PROFILES

Scale: Hor 1" = 50'
Ver 1" = 5'

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 1/23/74

STATE OF MARYLAND — PROFESSIONAL ENGINEER

4/25/73

HYDRAULIC GRADIENT SHEET

APPROVED: For Public Water & Public Sewage, Storm Drainage Systems & Public Roads Howard County Dept. Of Public Works.

Director — Date 2/2/74

Chief Bureau Of Highways — Date 2/5/74

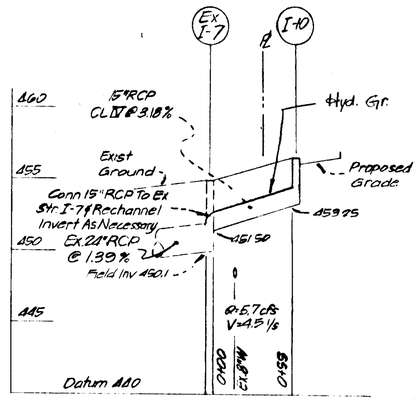
JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
10750 COLUMBIA PIKE • SILVER SPRING, MD.
593-2990 20901

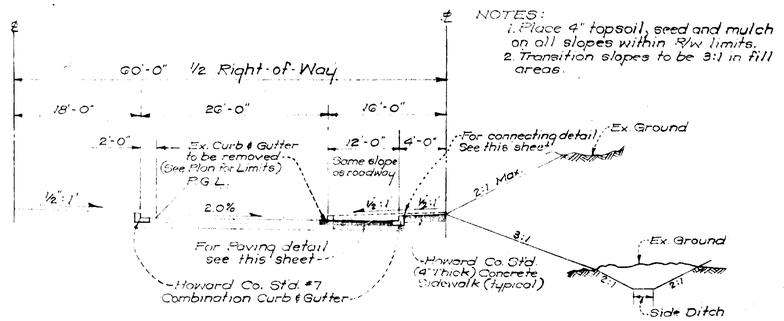
STORM DRAIN AND PAVING PLAN
VILLAGE OF CLARYS FOREST
SECTION ONE - AREA I
COLUMBIA
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER: Mathew - Phillips, Inc
10750 Columbia Pike
Silver Spring, Maryland
Phone - 681-6700

DESIGN H.G.D	SHEET 5 OF 6		
DRAFT T.B.A	DATE May 1973	JOB NO. 2-118-40-1	
APPROVED	SCALE 1" = 50'	FILE NO. 2-118-40-1	

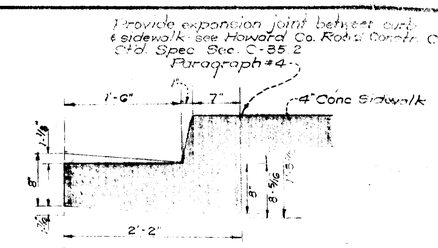
SDP 74-41C



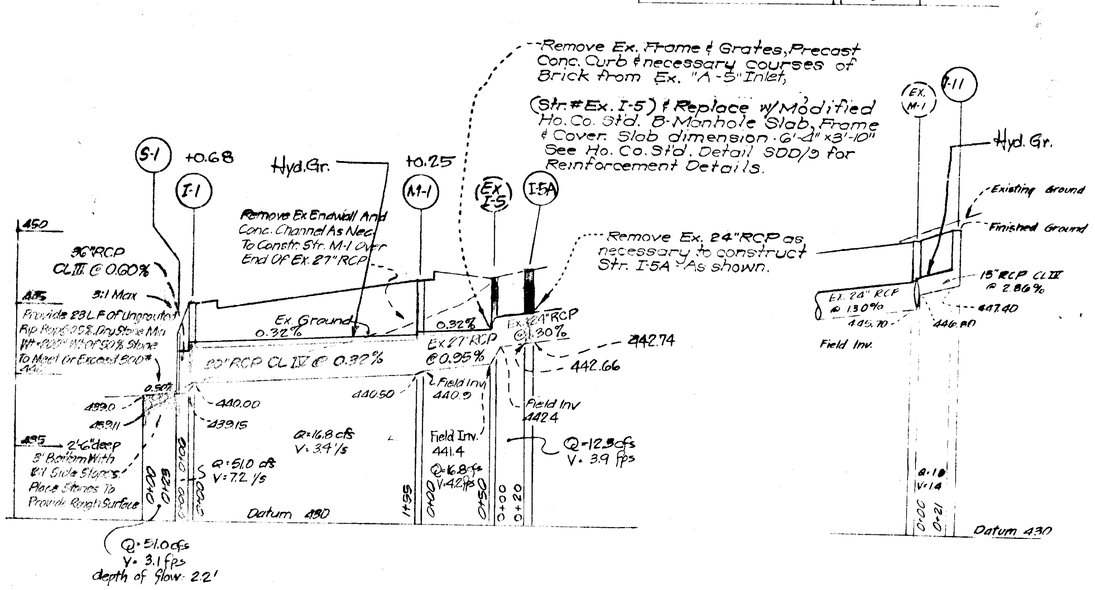


NOTES:
1. Place 4" topsoil, seed and mulch on all slopes within R/w limits.
2. Transition slopes to be 3:1 in fill areas.

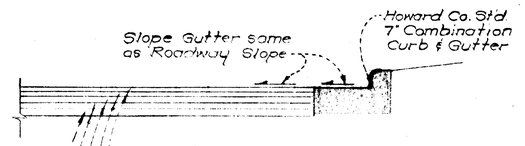
PARTIAL SECTION - DEACCELERATION LANE
LITTLE PATUXENT PARKWAY
Scale: 1"=10'



STANDARD 7" COMBINATION CURB & GUTTER AND 4" SIDEWALK
No Scale



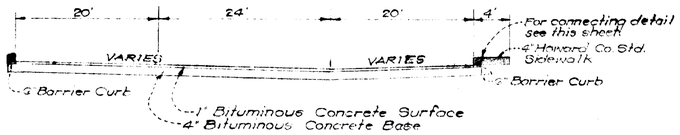
STORM DRAIN PROFILES
SCALE: HORZ 1"=50' VERT 1"=5'



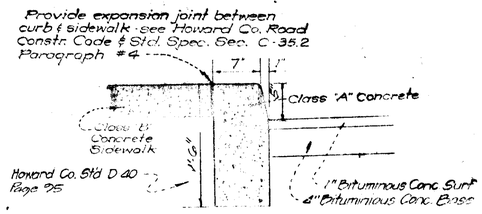
1½" Bituminous Concrete Surface	Band C-3 - Final Phase
1½" Bituminous Concrete Surface	Band C-3 - Second Phase
2½" Bituminous Concrete Binder	Band A-3
4" Bituminous Concrete Base	Band C-2 or G-3 - First Phase
7" Crusher Run Sub Base	CR-6G7
Howard Co. Std. D-9 G4	
Clearing and Grading	Article C-1
Subgrade	Article C-2
Sub Base Course	Article C-25 - 2(a)
Base Course	Article C-31 or C-33
Binder Course	Article C-31
Surface	Article C-31

PAVING SECTION
LITTLE PATUXENT PARKWAY
No Scale

NOTES:
1. To be constructed in accordance with The Howard Co. Road Constr. Code and Specifications.
2. Placing of tack coat shall be installed immediately in advance of the placing of the Bituminous Concrete. See Howard Co. Constr. Code and Specifications #C-31 - 4 M.
3. Base will be primed in accordance with C-30-3 as provided in Howard Co. Road Constr. Code & Std. Specs.



TYPICAL PAVING SECTION THRU PARKING LOT
No Scale



STANDARD BARRIER CURB IN ALL PARKING BAYS
No Scale

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 1/23/74
Thomas G. Harris Jr.

HYDRAULIC GRADIENT SHEET.

STATE OF MARYLAND — PROFESSIONAL ENGINEER
10/25/73

APPROVED: For Public Water & Public Sewage, Storm Drainage Systems & Public Roads Howard County Dept. of Public Works.

William E. Allen, Director — 2/5/74 DATE
B. W. Milsand, Chief Bureau of Highways — 2/5/74 DATE

JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
10750 COLUMBIA PIKE • SILVER SPRING, MD.
593-2990 20901

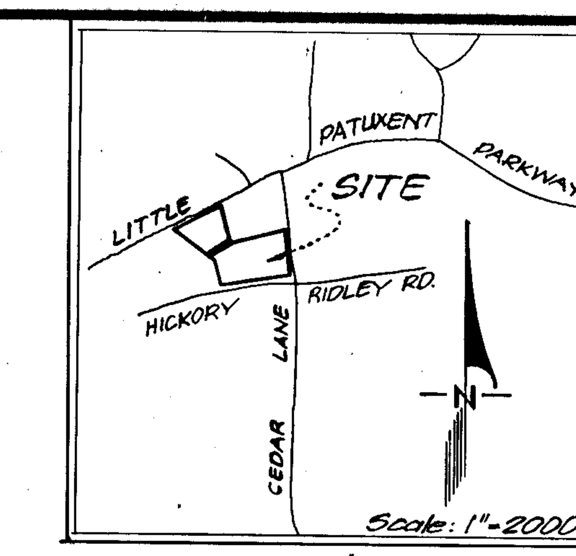
STORM DRAIN AND PAVING PLAN
VILLAGE OF CLARYS FOREST
SECTION ONE - AREA 1
COLUMBIA
THE ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER: Mathew Phillips Inc.
10750 Columbia Pike
Silver Spring, Md. 20901
Phone 681-0220

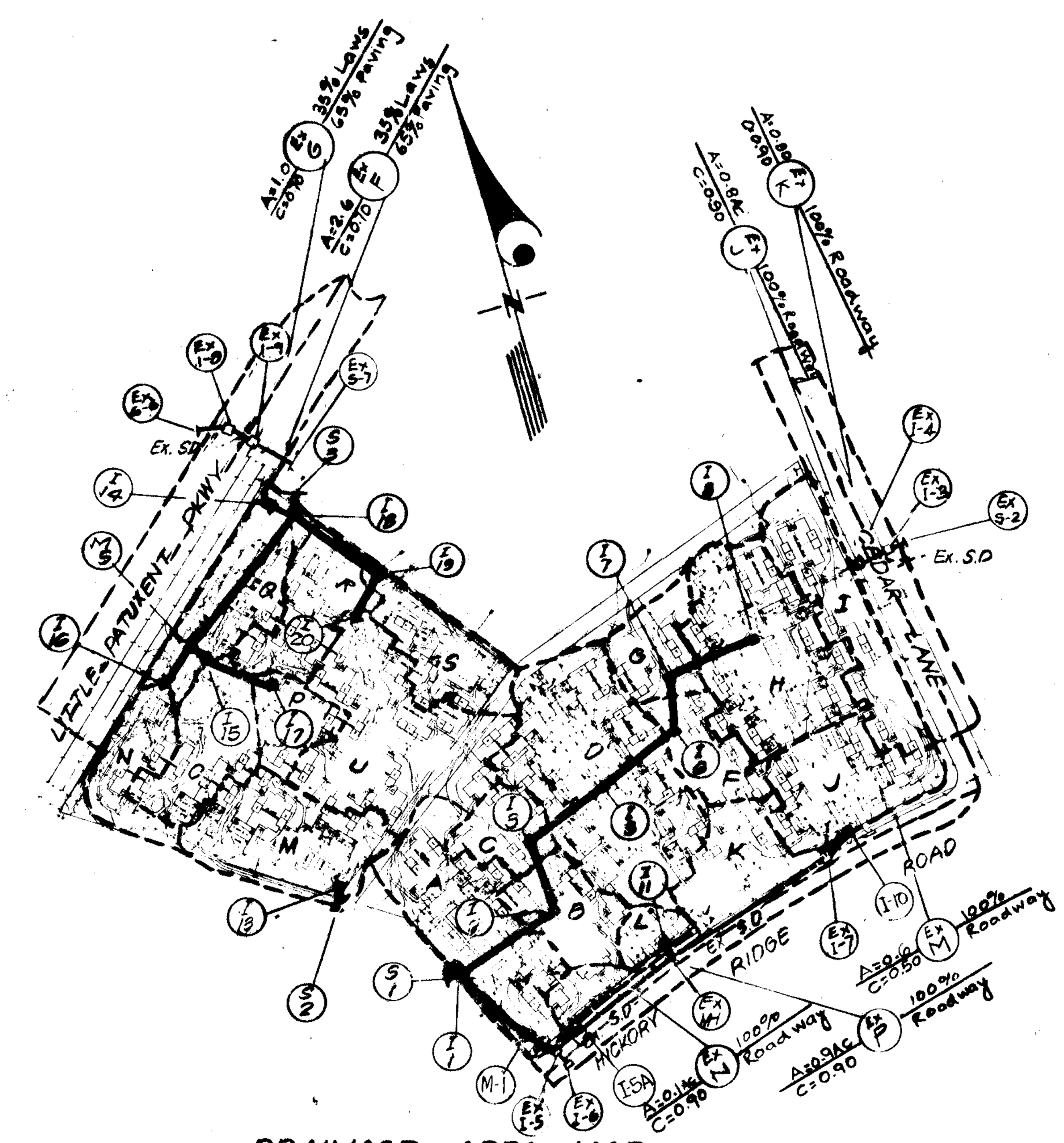
DESIGN NCD	SHEET 6 of 6		
DRAFT JBA	DATE August 1973	SCALE 1" = 50'	
APPROVED	DRAFT		

SDP 74-41C

AREA	ACRES	COEFF "C"	ZONING
A	1.8	0.72	100% ALU
B	0.6	0.56	100% "
C	0.5	0.6	100% "
D	2.3	0.90	100% "
F	0.6	0.6	100% "
G	0.7	0.41	100% "
H	1.7	0.71	100% "
I	1.1	0.6	100% "
J	1.1	0.77	100% "
K & Ex.N	0.7	0.54	100% "
L	0.4	0.78	100% "
M	1.3	0.66	100% "
N	0.5	0.76	100% "
O	0.7	0.64	100% "
P	0.4	0.83	100% "
Q	0.7	0.64	100% "
R	0.9	0.74	100%
S	0.9	0.66	100% "
U	1.6	0.52	100% A.L.U



VICINITY MAP



DRAINAGE AREA MAP

Scale : 1" = 200'

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 1/23/74
Thomas G. Harris Jr.

1-28-74

APPROVED: For Public Water and Public Sewerage Storm Drainage Systems and Public Roads Howard County Department of Public Works

William A. Alton — Director — 2/7/74 Date

D. W. Wieland — Chief Bureau of Highways — 2/5/74 Date

Approved: Howard County Office of Planning & Zoning

Thomas G. Harris Jr. — Planning Director — 2-14-74 Date

J.H. Clawson — Chief, Division of Land Development & Transportation Planning — 2/14/74 Date

Approved: For Public Water and Public Sewerage System Howard County Health Department

J.B. Frazer MD — County Health Officer — 2/18/74 Date

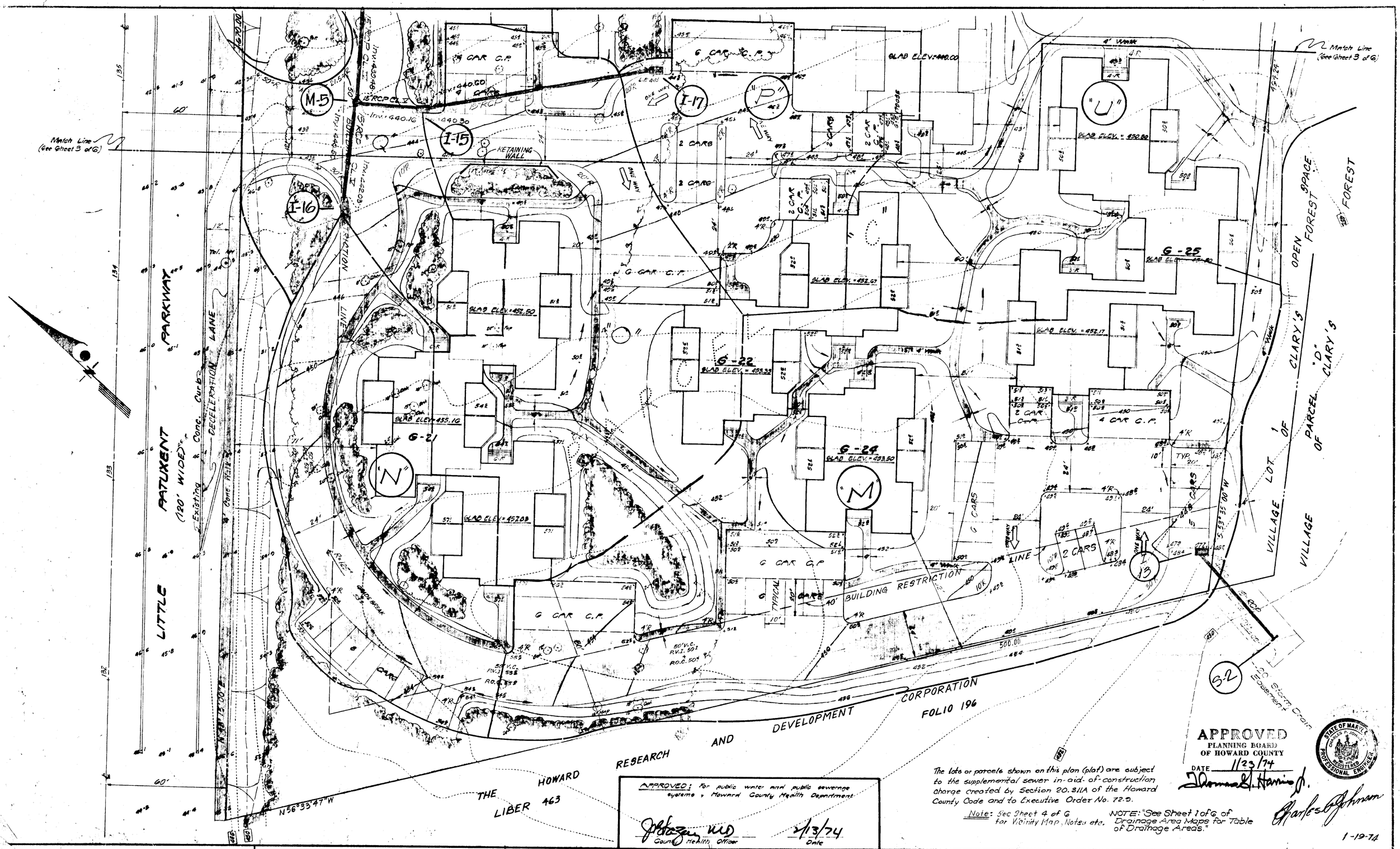
JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
1620 ELTON ROAD SILVER SPRING, MD.
434-7000 20903

DRAINAGE AREA MAP
VILLAGE OF CLARY'S FOREST
SECTION ONE - AREA I
COLUMBIA
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER: Mathew-Phillp
10750 Columbia Pike
Silver Spring, Maryland
Phone: 681-6200

DESIGN H.G.D	SHEET 1 OF 6	
DRAFT T.B.A	DATE: May, 1973	JOB NO: 2-113-40
APPROVED	SCALE: As Noted	FILE NO: 2-113-40-B

SDP 74-41C.



APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 1/23/74
Thomas G. Harris Jr.
Charles P. Johnson
1-19-74

The lots or parcels shown on this plan (plat) are subject to the supplemental sewer in-aid-of-construction charge created by Section 20.311A of the Howard County Code and to Executive Order No. 72.9.

Note: See Sheet 4 of 6 for Vicinity Map, Notes etc.

NOTE: "See Sheet 1 of 6 of Drainage Area Maps for Table of Drainage Areas."

APPROVED: For public water and public sewerage systems, Howard County Health Department

J. Hazen MD — County Health Officer — 2/13/74 — Date

APPROVED: For public water and public sewerage storm drainage systems and public roads Howard County Department of Public Works.

Director — 2/7/74 — Date

Bureau of Highways — 2/5/74 — Date

APPROVED: Howard County office of Planning & Zoning

Thomas G. Harris Jr. — Planning Director — 2-14-74 — Date

J. H. Clawson — Chief, Div. of Land Develop. & Transporta. Planning — 2/14/74 — Date

REVISIONS
1. Revised As Per Howard Co. D.P.W. 10-10-73 R.G.B.

JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
1620 ELTON ROAD • SILVER SPRING, MD.
454-7000 20903

DRAINAGE AREA MAP
VILLAGE OF CLARY'S FOREST
SECTION ONE - AREA I
PARCEL "C" & "D"
COLUMBIA
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER Mathews - Phillips Inc.
BUILDER 10750 Columbia Pike Suite 405
DEVELOPER Silver Spring, Ma. 20901
301 681-6200

DESIGN M.W.M.	SHEET 2 OF 6	
DRAFT S.T.D.	DATE OCT. 1973	JOB NO. 2-113-21
APPROVED M.W.M.	SCALE 1" = 20'	FILE NO. 2-113-21 B

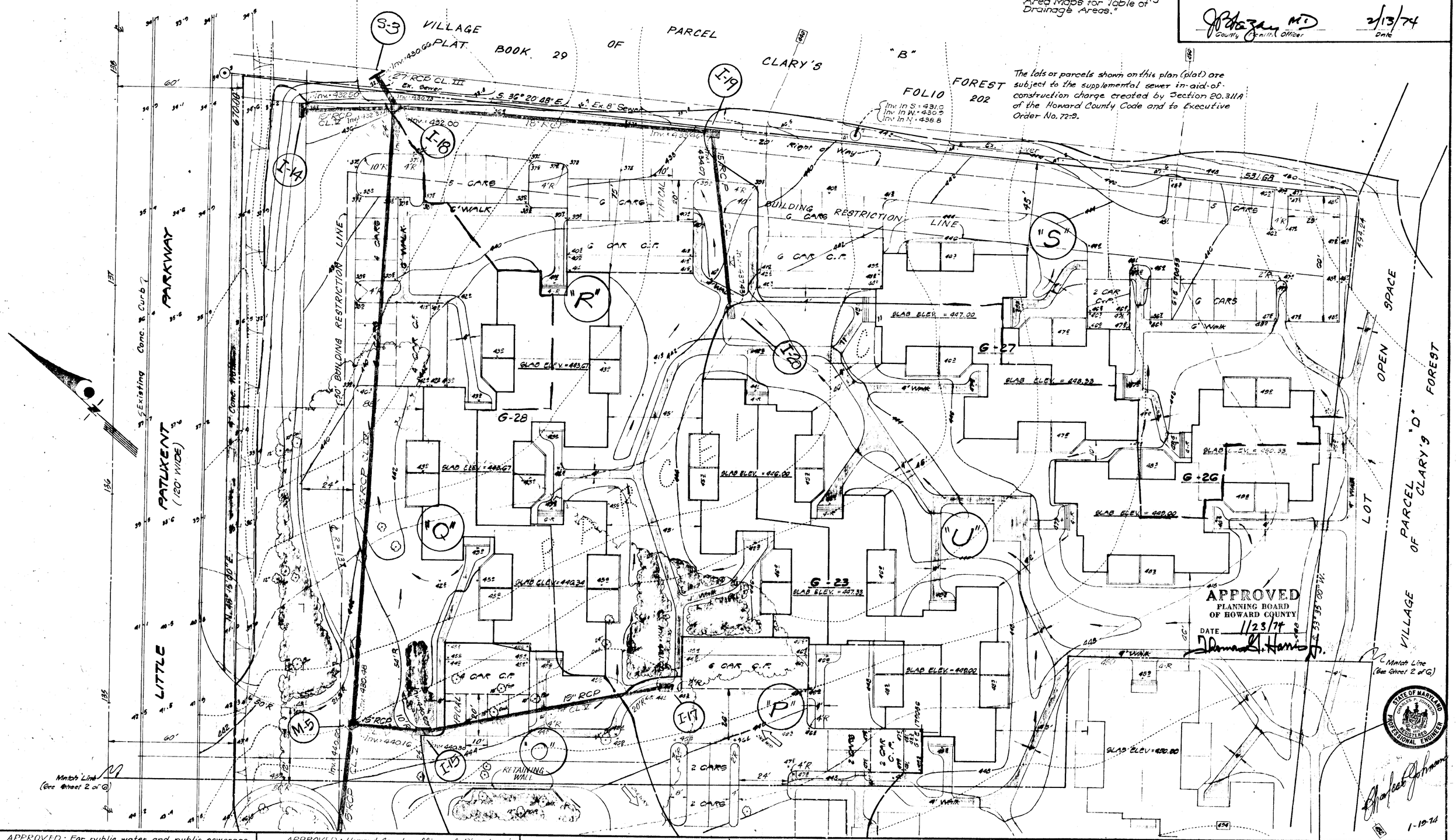
SDP 74-41C

NOTE: See Sheet 4 of 6 for Vicinity Map, Notes, etc.
"See Sheet 1 of 6 of Drainage Area Maps for Table of Drainage Areas."

APPROVED: For public water and public sewerage systems, Howard County Health Department

J. B. Hazay MD — County Health Officer — 2/13/74 Date

The lots or parcels shown on this plan (plat) are subject to the supplemental sewer in-aid-of-construction charge created by Section 20.311A of the Howard County Code and to Executive Order No. 72-9.



APPROVED: For public water and public sewerage storm drainage systems and public roads Howard County Department of Public Works.

William A. Alton — Director — 2/2/74 Date

J. W. Weeland — Chief Bureau of Highways — 2/5/74 Date

APPROVED: Howard County office of Planning & Zoning

Thomas G. Harris Jr. — Planning Director — 2-14-74 Date

J. H. Clawson Jr. — Chief, Div. of Land Develop. & Transporta. Planning — 2/14/74 Date

REVISIONS
1. Revised As Per Howard Co. D.P.W. - 10-10-73 - R.G.B.

JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
1620 ELTON ROAD • SILVER SPRING, MD.
434-7000 20905

DRAINAGE AREA MAP
VILLAGE OF CLARYS FOREST
SECTION ONE - AREA I
PARCEL "C" & "D"
COLUMBIA
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER Mathews - Phillips Inc.
BUILDER 10750 Columbia Pike Suite 408
DEVELOPER: Silver Spring, Md. 20901
301 681-6200

DESIGN M.W.M.	SHEET 3 OF 6	
DRAFT B.T.O.	DATE OCT. 1973	JOB NO. 2-113-21
APPROVED M.W.M.	SCALE 1" = 20'	FILE NO. 2-113-21.B

SDP 74-41C

NOTES:

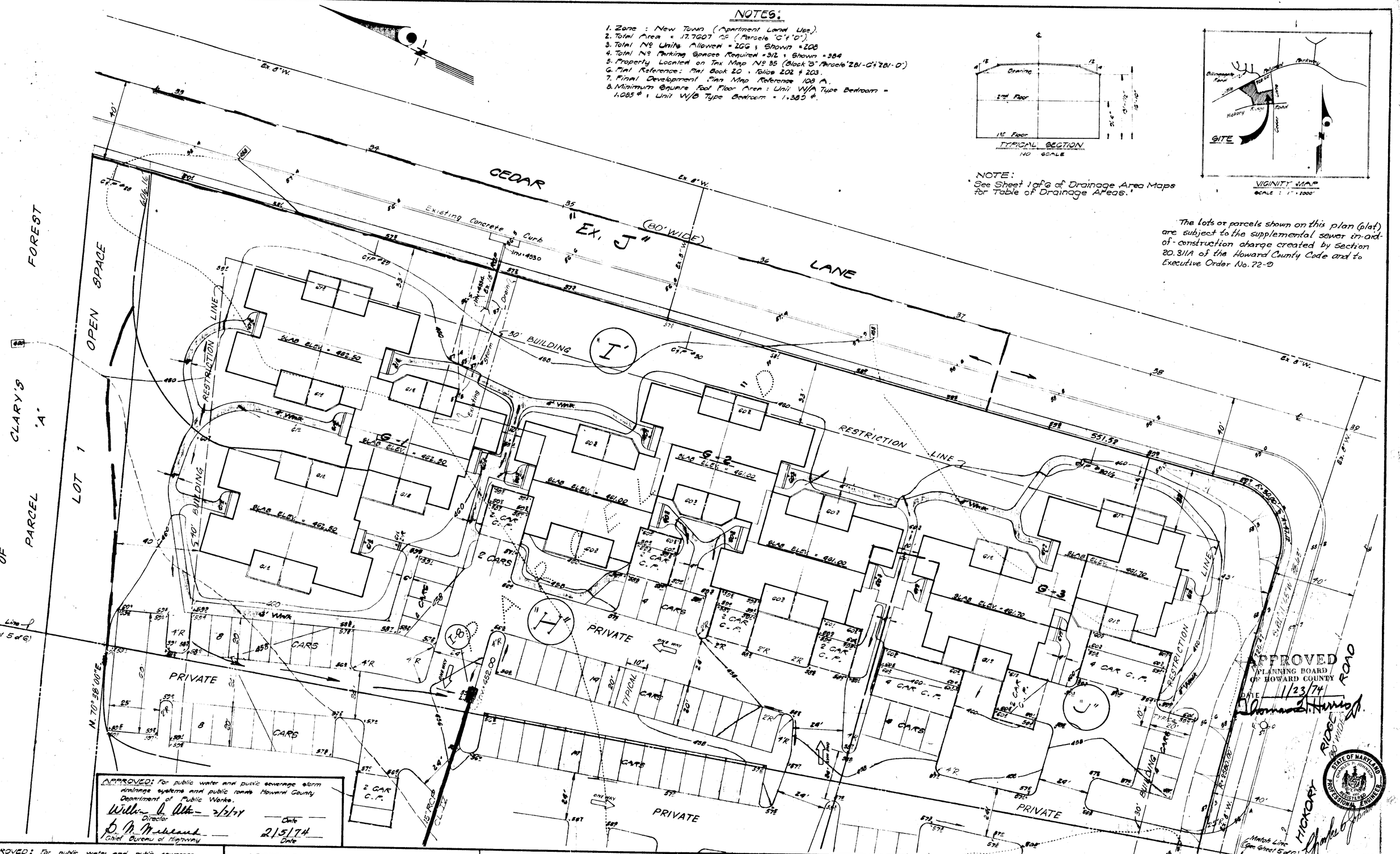
1. Zone : New Town (Apartment Land Use).
2. Total Area = 17.7607 ac (Parcels 'C' & 'D').
3. Total No. Units Allowed = 266 ; Shown = 208
4. Total No. Parking Spaces Required = 312 ; Shown = 384
5. Property Located on Tax Map No. 35 (Block 'B' Parcels '281-C' & '281-D')
6. Plat Reference: Plat Book 20 , Folios 202 & 203.
7. Final Development Plan Map Reference 108 A.
8. Minimum Square Foot Floor Area : Unit W/A Type Bedroom = 1,085 ft ; Unit W/B Type Bedroom = 1,385 ft.

TYPICAL SECTION
NO SCALE

NOTE:
'See Sheet 1 of 6 of Drainage Area Maps for Table of Drainage Areas.'

VICINITY MAP
SCALE : 1" = 1000'

The lots or parcels shown on this plan (plat) are subject to the supplemental sewer in-and-of-construction charge created by Section 20.311A of the Howard County Code and to Executive Order No. 72-9



APPROVED: For public water and public sewerage storm drainage systems and public roads Howard County Department of Public Works.

William E. Allen — Director — 2/5/74 Date

D. M. Mikesell — Chief Bureau of Highways — 2/5/74 Date

APPROVED: For public water and public sewerage systems - Howard County Health Department

J. T. Hazey M.D. — County Health Officer — 2/13/74 Date

APPROVED: Howard County office of Planning & Zoning

Director — 2-14-74 Date

Chief, Div. of Land Development & Transportation, Planning — 2/14/74 Date

REVISIONS

1. Revised As Per Howard Co. D.P.W. - 10-10-73 - R.S.B.

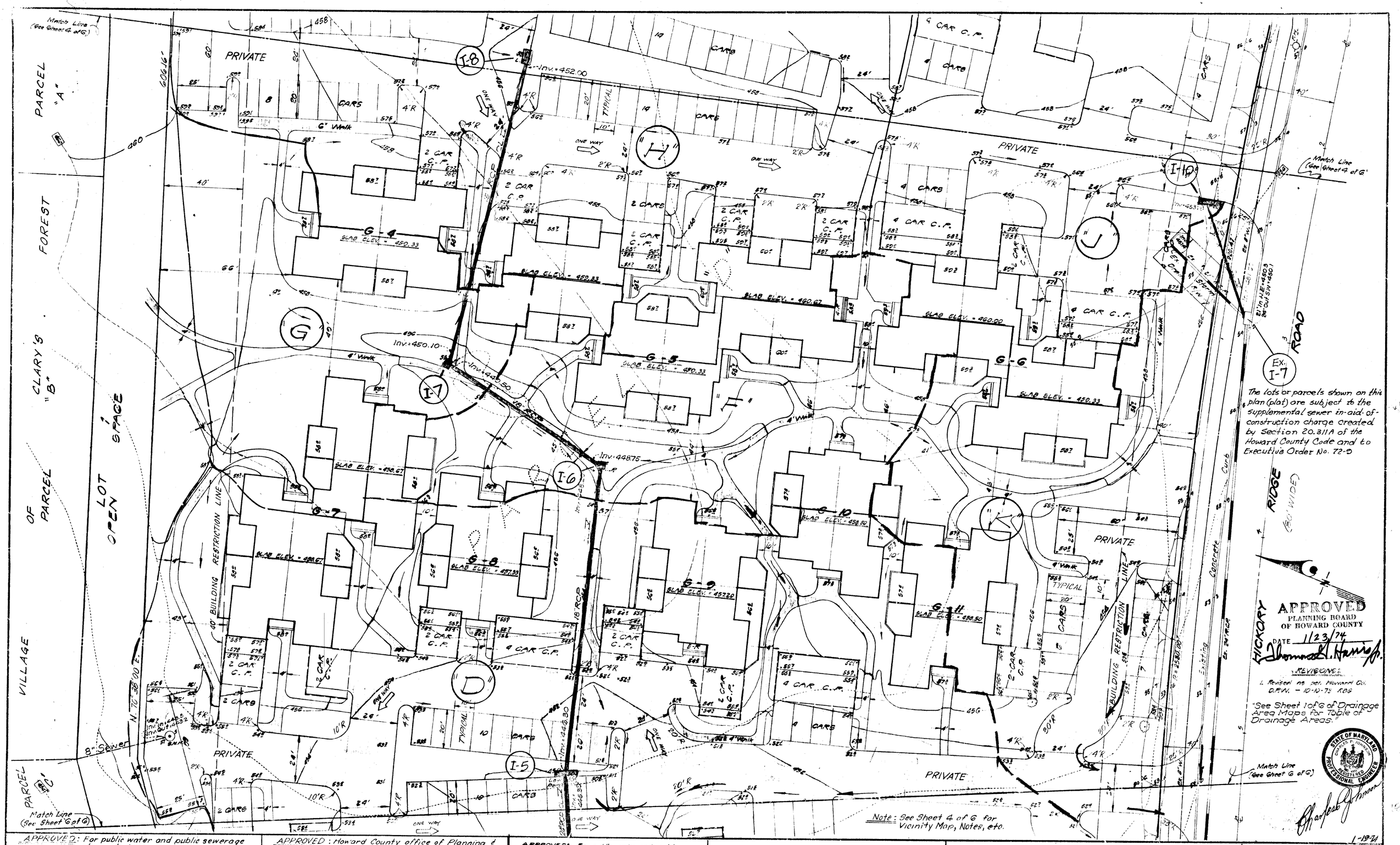
JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
1520 ELTON ROAD • SILVER SPRING, MD.
434-7000 20902

DRAINAGE AREA MAP
VILLAGE OF CLARY'S FOREST
SECTION ONE - AREA I
PARCEL 'C' & 'D'
COLUMBIA
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER Mathews - Phillips Inc.
BUILDER 10780 Columbia Pike Suite 103
DEVELOPER: Silver Spring - Md 20901
301 681-6200

DESIGN M.W.M.	SHEET 4 OF 6		
DRAFT B.T.D.	DATE OCT. 1973	JOB NO. 2-113-21	
APPROVED M.W.M.	SCALE 1" = 20'	FILE NO. 2-113-21.B	

SDP 74-41C



The lots or parcels shown on this plan (plat) are subject to the supplemental sewer in-aid-of-construction charge created by Section 20.311A of the Howard County Code and to Executive Order No. 72-9

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 1/23/74
Thomas G. Harris Jr.

REVISIONS:
1. Revised as per Howard Co. D.P.W. - 10-10-73 RBS

"See Sheet 1 of 6 of Drainage Area Maps for Table of Drainage Areas."

STATE OF MARYLAND
CHARLES F. JOHNSON
No. 4192
REGISTERED PROFESSIONAL ENGINEER

Charles F. Johnson
1-19-74

APPROVED: For public water and public sewerage storm drainage systems and public roads Howard County Department of Public Works.

Wilbur E. Allen — Director — 2/5/74 Date

R. M. Mehrens — Chief Bureau of Highways — 2/5/74 Date

APPROVED: Howard County office of Planning & Zoning

Thomas G. Harris Jr. — Planning Director — 2-14-74 Date

J. F. Clawson Jr. — Chief, Div. of Land Develop. & Transporta. Planning — 2/14/74 Date

APPROVED: For public water and public sewerage systems, Howard County Health Department

J. R. Fazenbaugh M.D. — County Health Officer — 2/13/74 Date

JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
1520 ELTON ROAD • SILVER SPRING, MD.
434-7000 20903

DRAINAGE AREA MAP
VILLAGE OF CLARY'S FOREST
SECTION ONE - AREA I
PARCEL "C" & "D"
COLUMBIA
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER Mathews - Phillips Inc.		
BUILDER 10750 Columbia Pike Suite 408		
DEVELOPER Silver Spring, Md. 20901 301 681-6200		
DESIGN M.W.M.	SHEET 5 OF 6	
DRAFT B.T.D.	DATE OCT. 1973	JOB NO. 2-119-21
APPROVED M.W.M.	SCALE 1" = 20'	FILE NO. 2-119-21-C

SDP 74-41C

Match Line (See Sheet 5 of G)

Match Line (See Sheet 5 of G)

G-12 · G-13 · G-14 · G-15 · G-16 · G-17 · G-18 · G-19 · G-20

"A" · "B" · "C" · "D"

I-1 · I-2 · I-3 · I-5A · Ex I-5 · S-1 · M-1

PRIVATE · 24' ROD · 4' Walk · 2 CAR C.P. · 4 CAR C.P. · 2 CARS · 4 CARS · 6 CARS · 10' R · 4' R · 2' R · 20' BUILDING RESTRICTION LINE · ONE WAY · TYPICAL · LOW POINT · 40' BUILDING RESTRICTION LINE · Existing Concrete · Ex. 24' R.O.R. · Ex. 8" W. · Ex. Storm Drain · CLT · Inv. 440.5 · Inv. 430.11

GLAB ELEV. = 456.8 · GLAB ELEV. = 456.5 · GLAB ELEV. = 456.5 · GLAB ELEV. = 454.7 · GLAB ELEV. = 455.3 · GLAB ELEV. = 455.2 · GLAB ELEV. = 452.3 · GLAB ELEV. = 452.7 · GLAB ELEV. = 453.0 · GLAB ELEV. = 451.0 · GLAB ELEV. = 452.0 · GLAB ELEV. = 453.0 · GLAB ELEV. = 452.0

VILLAGE OF CLARY'S FOREST PARCEL "C" OPEN SPACE LOT "D"

CLARY'S FOREST

HICKORY RIDGE ROAD (80' WIDE)

N. 33° 55' 00" E. · N. 24° 49' 27" W. · N. 56° 33' 41" W. · S. 59° 11' 33" W. · 476.74'

THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
LIBER 463 FOLIO 196

Revisions:
1. Revised as per Howard Co. C.P.W. 10-10-73 R.G.B.

Note: See Sheet 4 of 6 for Vicinity Map, Notes, etc.

The lots or parcels shown on this plan (plat) are subject to the supplemental sewer in-aid-of-construction charge created by Section 20.311A of the Howard County Code and to Executive Order No. 72-9.

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 1/23/74
Thomas G. Harris Jr.

See Sheet 1 of 6 of Drainage Area Maps for Table of Drainage Areas.

STATE OF MARYLAND · CHARLES O. JOHNSON · REGISTERED PROFESSIONAL ENGINEER

APPROVED: For public water and public sewerage storm drainage systems and public roads
Howard County Department of Public Works.

Director — Date 2/7/74
Chief, Bureau of Highways — Date 2/8/74

APPROVED: Howard County office of Planning & Zoning.

Director — Date 2-14-74
Chief, Bureau of Develop. & Transporta. Planning — Date 2/14/74

APPROVED: For public water and public sewerage systems, Howard County Health Department

County Health Officer — Date 2/13/74

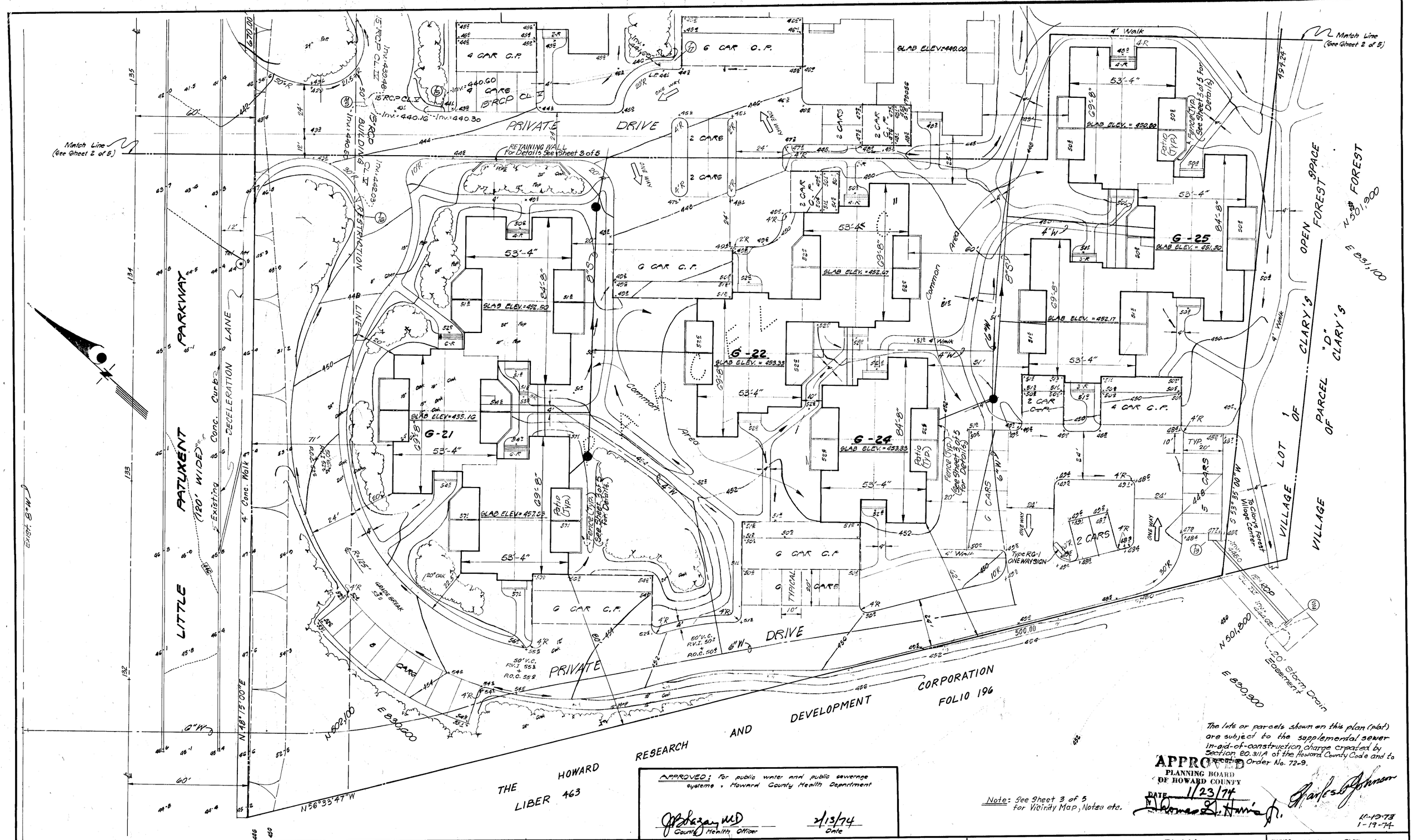
JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
1520 ELTON ROAD • SILVER SPRING, MD.
434-7000 20903

DRAINAGE AREA MAP
VILLAGE OF CLARY'S FOREST
SECTION ONE - AREA I
PARCEL "C" & "D"
COLUMBIA
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER: Matthews - Phillips Inc.
BUILDING: 10750 Columbia Pike Suite 405
DEVELOPER: Silver Spring, Md. 20910
301 681-8200

DESIGN	M.W.M.	SHEET	6 OF 6
DRAFT	B.D.D.	DATE	OCT. 1973
ASSISTANT		SCALE	1" = 50'
CHIEF			
DESIGNED			
DRAWN			
TRACED			
FILED			

SDP 74-41C



The lots or parcels shown on this plan (plat) are subject to the supplemental sewer in-aid-of-construction charge created by Section 20.311A of the Howard County Code and to Resolution Order No. 72-9.

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 1/23/74

Note: See Sheet 3 of 5 for Vicinity Map, Notes etc.

APPROVED: For public water and public sewerage systems, Howard County Health Department

County Health Officer — Date 2/13/74

APPROVED: For public water and public sewerage storm drainage systems and public roads Howard County Department of Public Works.

Director — Date 2/5/74

Chief Bureau of Highways — Date 2/5/74

APPROVED: Howard County office of Planning & Zoning

Planning Director — Date 2-14-74

Chief, Div. of Land Develop. & Transporta. Planning — Date 2/14/74

REVISIONS
1. Revised As Per Howard Co. D.P.W. - 10-10-73 - R.G.B.

JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
1620 ELTON ROAD • SILVER SPRING, MD.
434-7000 20903

DEVELOPMENT PLAN
VILLAGE OF CLARY'S FOREST
SECTION ONE - AREA I
PARCEL "C" & "D"
COLUMBIA
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER & BUILDER & DEVELOPER:	Mathews - Phillips Inc. 10750 Columbia Pike Suite 408 Silver Spring, Md. 20901 301 681-6200
DESIGN M.W.M.	SHEET 1 OF 5
DRAFT G.T.D	DATE: OCT. 1973 — JOB NO: 2-113-21
APPROVED M.W.M	SCALE: 1" = 20' — FILE NO: 2-113-21 B

SDP 74-110.

DIETZGEN 12664

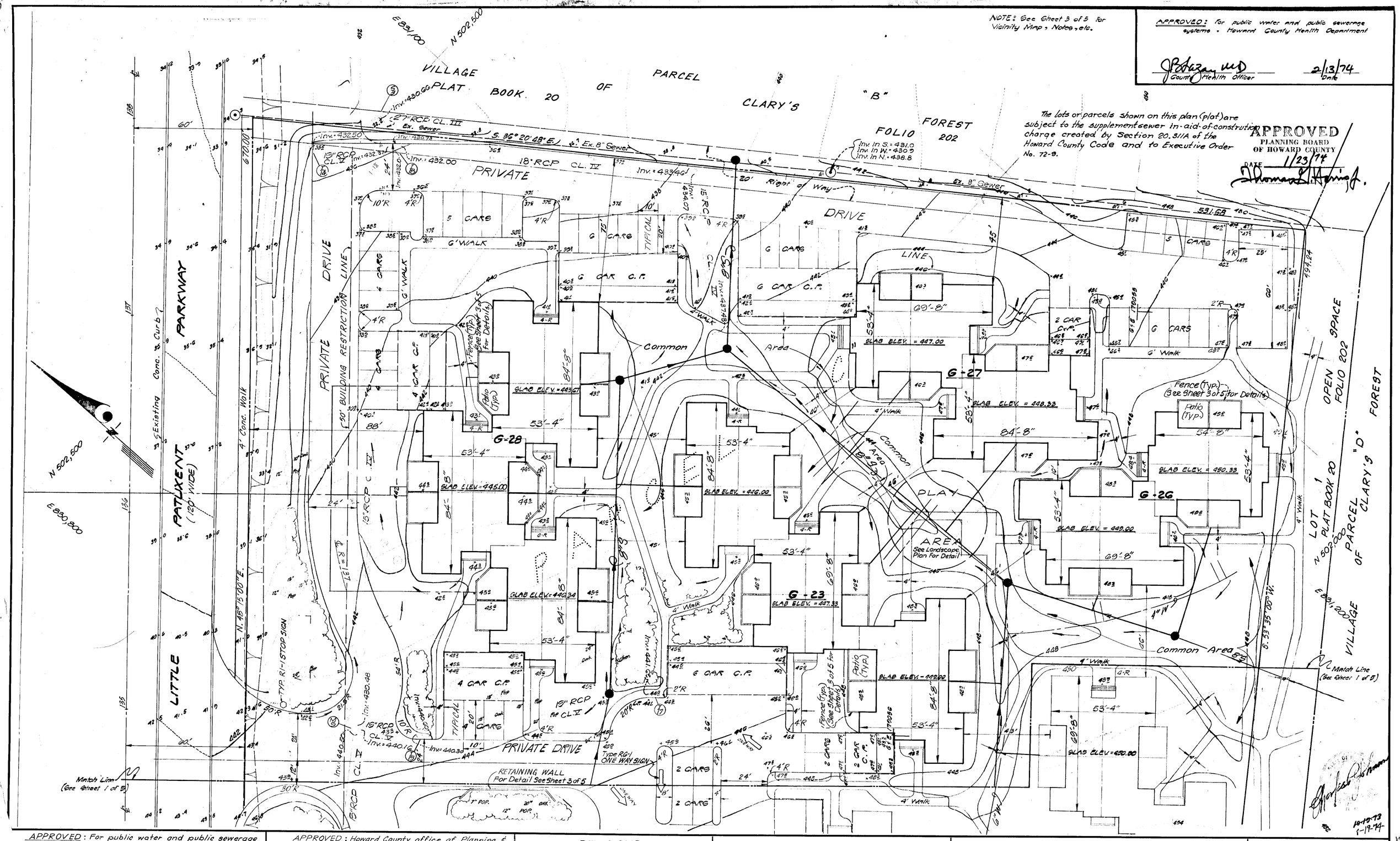
NOTE: See Sheet 3 of 5 for Vicinity Map, Notes, etc.

APPROVED: For public water and public sewerage systems - Howard County Health Department

J. B. Hazan MD — County Health Officer — 2/13/74 Date

The lots or parcels shown on this plan (plat) are subject to the supplement sewer in-aid-of-construction charge created by Section 20.311A of the Howard County Code and to Executive Order No. 72-9.

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 1/23/74
Thomas G. Harris Jr.



APPROVED: For public water and public sewerage storm drainage systems and public roads Howard County Department of Public Works.

William A. Altman — Director — 2/7/74 Date

B. W. Wehland — Chief Bureau of Highways — 2/5/75 Date

APPROVED: Howard County office of Planning & Zoning

Thomas G. Harris Jr. — Planning Director — 2-14-74 Date

J. H. Clawson Jr. — Chief, Div. of Land Develop. & Transporta. Planning — 2/14/74 Date

REVISIONS
1. Revised As Per Howard Co. D.P.W. - 10-10-73 - R.G.B.
2. Revised Elev. Center Bldg. Group G-28 12-26-73 M.W.M.

JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
1620 ELTON ROAD • SILVER SPRING, MD.
434-7000 20903

DEVELOPMENT PLAN
VILLAGE OF CLARYS FOREST
SECTION ONE - AREA I
PARCEL "C" & "D"
COLUMBIA
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER Mathews - Phillips Inc.
BUILDER 10750 Columbia Pike Suite 408
DEVELOPER: Silver Spring, Md. 20901
301 681 - 6200

DESIGN M.W.M.	SHEET 2 OF 5	
DRAFT S.T.O	DATE: OCT. 1973	JOB NO: 2-113-21
APPROVED M.W.M.	SCALE: 1" = 20'	FILE NO: 2-113-21.B

SDP 74-41C

NOTES:

1. Zone : New Town (Apartment Land Use).
2. Total Area = 17.7607 Ac (Parcels "C" & "D").
3. Total No Units Allowed = 266 ; Shown = 208
4. Total No Parking Spaces Required = 312 ; Shown = 384 (178 Open, 142 Carports & 64 Tantum)
5. Property Located on Tax Map No 35 (Block "B" Parcels "281-C" & "281-D")
6. Plat Reference: Plat Book 20 , Folios 202 & 203.
7. Final Development Plan Map Reference 108 A.
8. Minimum Square Foot Floor Area : Unit W/A Type Bedroom = 1,085 ⌀ ; Unit W/B Type Bedroom = 1,389 ⌀.
9. Building Coverage; Permitted 30%, Shown 19.4% or 150,355 ⌀
10. Concept Plan approved by Howard Co. Planning Board Dec. 13, 1972
11. Signs as shown on plan to be installed in Accordance with The Manual on Uniform Traffic Control Devices. 1971 Edition.

TYPICAL SECTION
NO SCALE

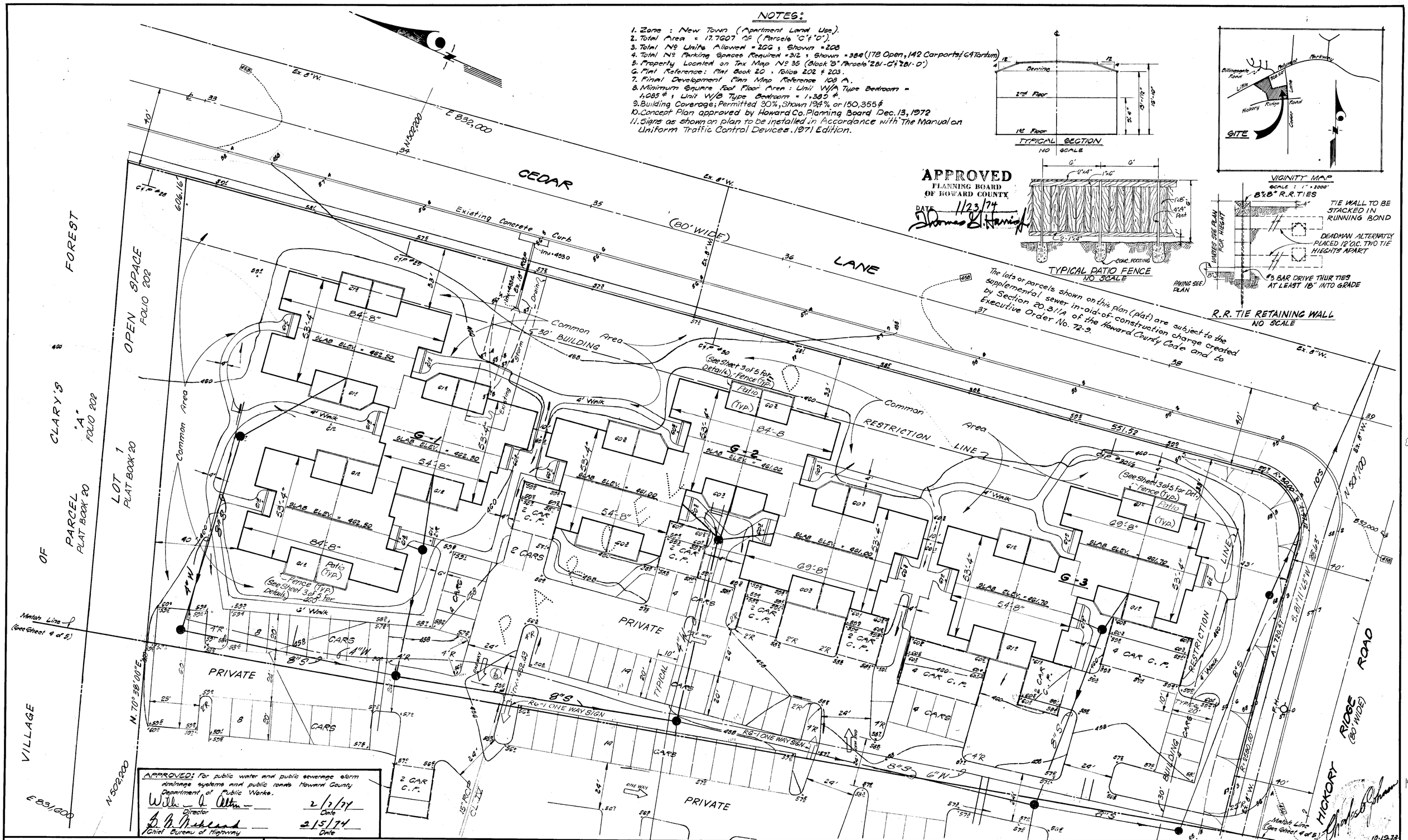
VICINITY MAP
SCALE : 1" = 2000'

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 1/23/74
Thomas G. Harris Jr.

TYPICAL PATIO FENCE
NO SCALE

R.R. TIE RETAINING WALL
NO SCALE

The lots or parcels shown on this plan (plat) are subject to the supplemental sewer in-aid-of-construction charge created by Section 20.311A of the Howard County Code and to Executive Order No. 72-9.



APPROVED: For public water and public sewerage storm drainage systems and public roads Howard County Department of Public Works.

William A. Altman — Director — 2/7/74 Date

B. M. Mehland — Chief Bureau of Highway — 2/5/74 Date

APPROVED: For public water and public sewerage systems - Howard County Health Department

[signature] — County Health Officer — 2/13/74 Date

APPROVED: Howard County office of Planning & Zoning

Thomas G. Harris Jr. — Planning Director — 2-14-74 Date

[signature] — Chief, Div. of Land Develop. & Transporta. Planning — 2/14/74 Date

REVISIONS

1. Revised As Per Howard Co. D.P.W. - 10-10-73 - R.G.B.

JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
1620 ELTON ROAD • SILVER SPRING, MD.
434-7000 20903

DEVELOPMENT PLAN
VILLAGE OF CLARYS FOREST
SECTION ONE - AREA I
PARCEL "C" & "D"
COLUMBIA
5TH ELECTION DISTRICT
HOWARD COUNTY - MARYLAND

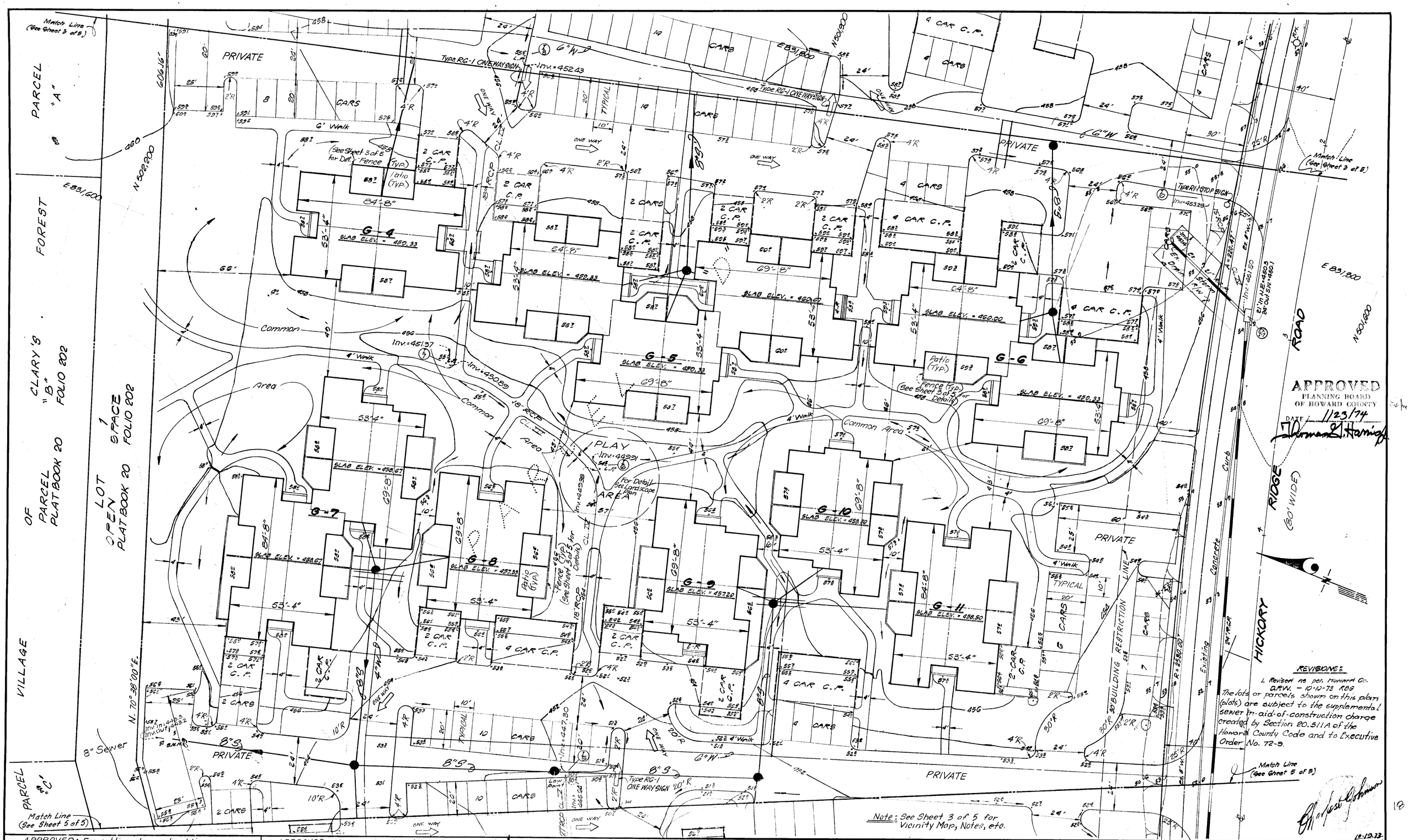
OWNER Mathews - Phillips Inc.
BUILDER 10750 Columbia Pike Suite 408
DEVELOPERS Silver Spring, Md 20901
301 681-6200

DESIGN M.W.M.	SHEET 3 OF 5	
DRAFT G.T.O	DATE: OCT. 1973	JOB NO: 2-113-21
APPROVED M.W.M.	SCALE: 1" = 20'	FILE NO: 2-113-21.B

10-19-73
1-19-74

DIETZGEN 12604

SDP 74-41C



APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 1/23/74
Thomas G. Harris Jr.

REVISIONS:
1. Revised as per Howard Co. D.P.W. - 10-10-73 RBG
The lots or parcels shown on this plan (plots) are subject to the supplemental sewer in-aid-of-construction charge created by Section 20.311A of the Howard County Code and to Executive Order No. 72-9.

APPROVED: For public water and public sewerage storm drainage systems and public roads Howard County Department of Public Works.
William J. Altman — Director — 2/7/74 Date
S. W. Wehland — Chief Bureau of Highways — 2/5/74 Date

APPROVED: Howard County office of Planning & Zoning.
Thomas G. Harris Jr. — Planning Director — 2-14-74 Date
V. N. Clawson Jr. — Chief, Div. of Land Develop. & Transporta. Planning — 2/14/74 Date

APPROVED: For public water and public sewerage systems, Howard County Health Department
J. B. Hogan, MD — County Health Officer — 2/13/74 Date

JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
1620 ELTON ROAD • SILVER SPRING, MD. 20903
434-7000

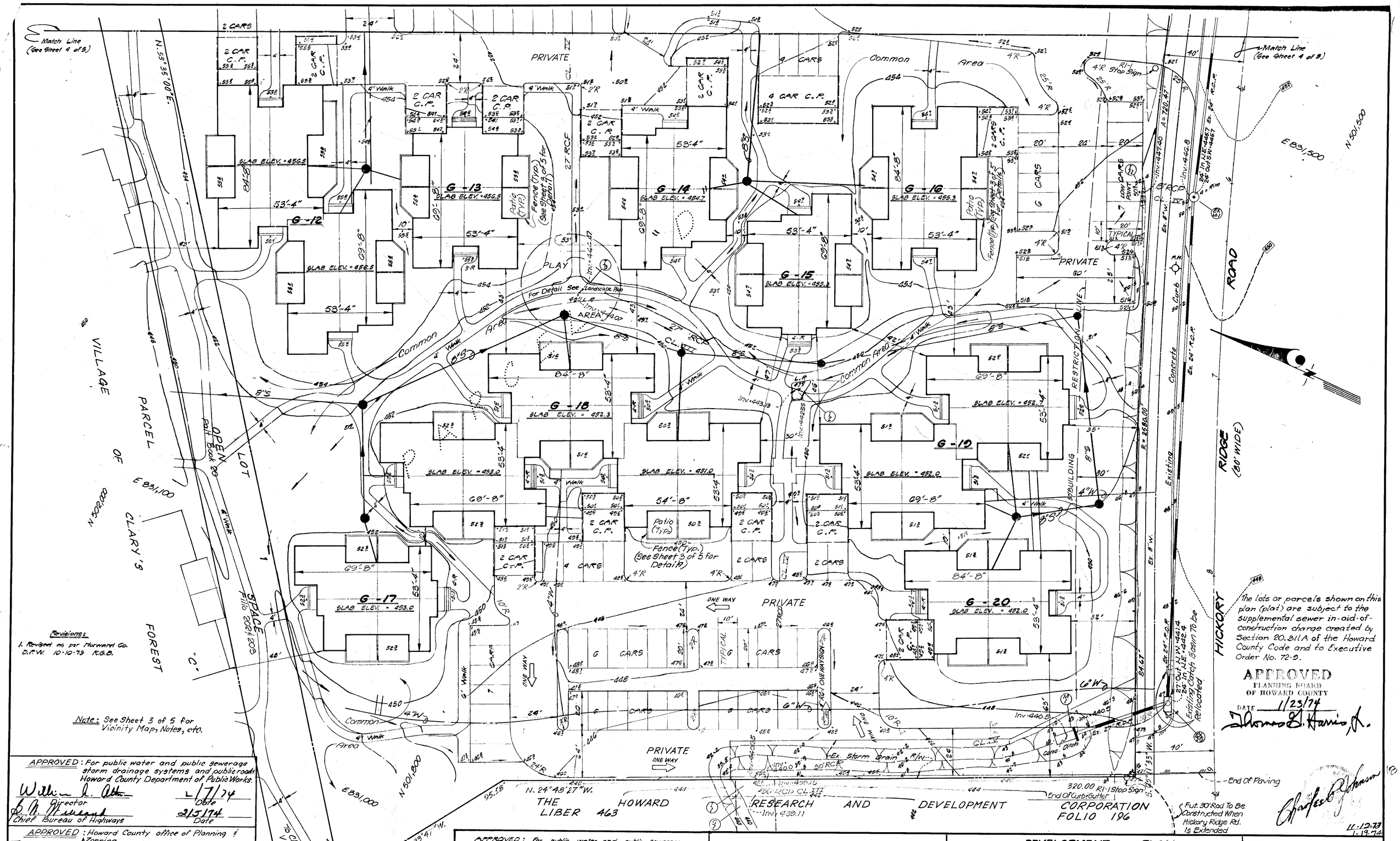
DEVELOPMENT PLAN
VILLAGE OF CLARYS FOREST
SECTION ONE - AREA I
PARCEL "C" & "D"
COLUMBIA
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER Mathews - Phillips Inc.
BUILDER 10750 Columbia Pike Suite 408
DEVELOPERS Silver Spring, Md. 20901
301 681-6200

DESIGN M.W.M.	SHEET 4 OF 5	
DRAFT S.T.D.	DATE: OCT. 1973	JOB NO. 2-113-21
APPROVED M.W.M.	SCALE: 1" = 20'	FILE NO. 2-113-21.B

DIETZGEN 12684

SDP 74-41 c



Revisions:
1. Revised as per Howard Co. D.P.W. 10-10-73 R.G.B.

Note: See Sheet 3 of 5 for Vicinity Map, Notes, etc.

The lots or parcels shown on this plan (plat) are subject to the supplemental sewer in-aid-of-construction charge created by Section 20.311A of the Howard County Code and to Executive Order No. 72-9.

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 1/23/74
Thomas G. Harris, Jr.

APPROVED: For public water and public sewerage storm drainage systems and public roads Howard County Department of Public Works.

William E. Allen — Director — 1/7/74 Date
Chief Bureau of Highways — 2/5/74 Date

APPROVED: Howard County office of Planning & Zoning.

Thomas G. Harris Jr. — Planning Director — 2-14-74 Date
Chief, Div. of Land Develop. & Transporta. Planning — 2/14/74 Date

APPROVED: for public water and public sewerage systems, Howard County Health Department

County Health Officer — 2/13/74 Date

JOHNSON - McCORDIC - THOMPSON
ENGINEERS • PLANNERS • SURVEYORS
1620 ELTON ROAD • SILVER SPRING, MD.
434-7000 20903

DEVELOPMENT PLAN
VILLAGE OF CLARYS FOREST
SECTION ONE AREA I
PARCEL "C" & "D"
COLUMBIA
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER & DEVELOPER:	Mathews - Phillips Inc. 10750 Columbia Pike Suite 408 Silver Spring, Md. 20901 301 681-6200
DESIGN M.W.M.	SHEET 5 OF 5
DRAFT S.T.O.	DATE OCT. 1973
JOB NO:	2-112-21
APPROVED M.W.M.	SCALE: 1" = 20'
FILE NO:	2-112-21.8

11-12-73
1-19-74

SDP 74-41C