CHATHAM GARDENS APARTMENTS
SECTION ONE

HOWARD COUNTY MARYLAND — ELECTION DISTRICT No. 2

STORM DRAINS
DRAINAGE AREA MAP
SCALE: 1"=50'

Sheet 1 of 3
SDP 73-97

MCA ENGINEERING CORPORATION
1020 CROMWELL BRIDGE RD.
BALTO, MARYLAND 21204

OWNER: PERCON, INC.
CONTEE SAND & GRAVEL CO.
LAUREL MD. 20810
DEVELOPER:
CHATHAM APTS. CO.
6229 N. CHARLES ST.

Paul Lee
STATE OF MARYLAND — PAUL LEE — No. 4060 — REGISTERED PROFESSIONAL ENGINEER

REVISION	BY
10/22/74 Alignment from 7-9 to HEADWALL NO.9	

APPROVED: For Public Water and Public Sewerage Systems Howard County Health Department
County Health Officer — Date 4/8/74

APPROVED: Howard County Office of Planning and Zoning
Director — Date 4-10-74
Chief, Division of Land Development — Date 4/10/74

APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Roads Howard County Department of Public Works
Chief, Bureau of Highways — Date 4/9/74

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 11/9/74

LOCATION PLAN
Scale: 1"=2000'

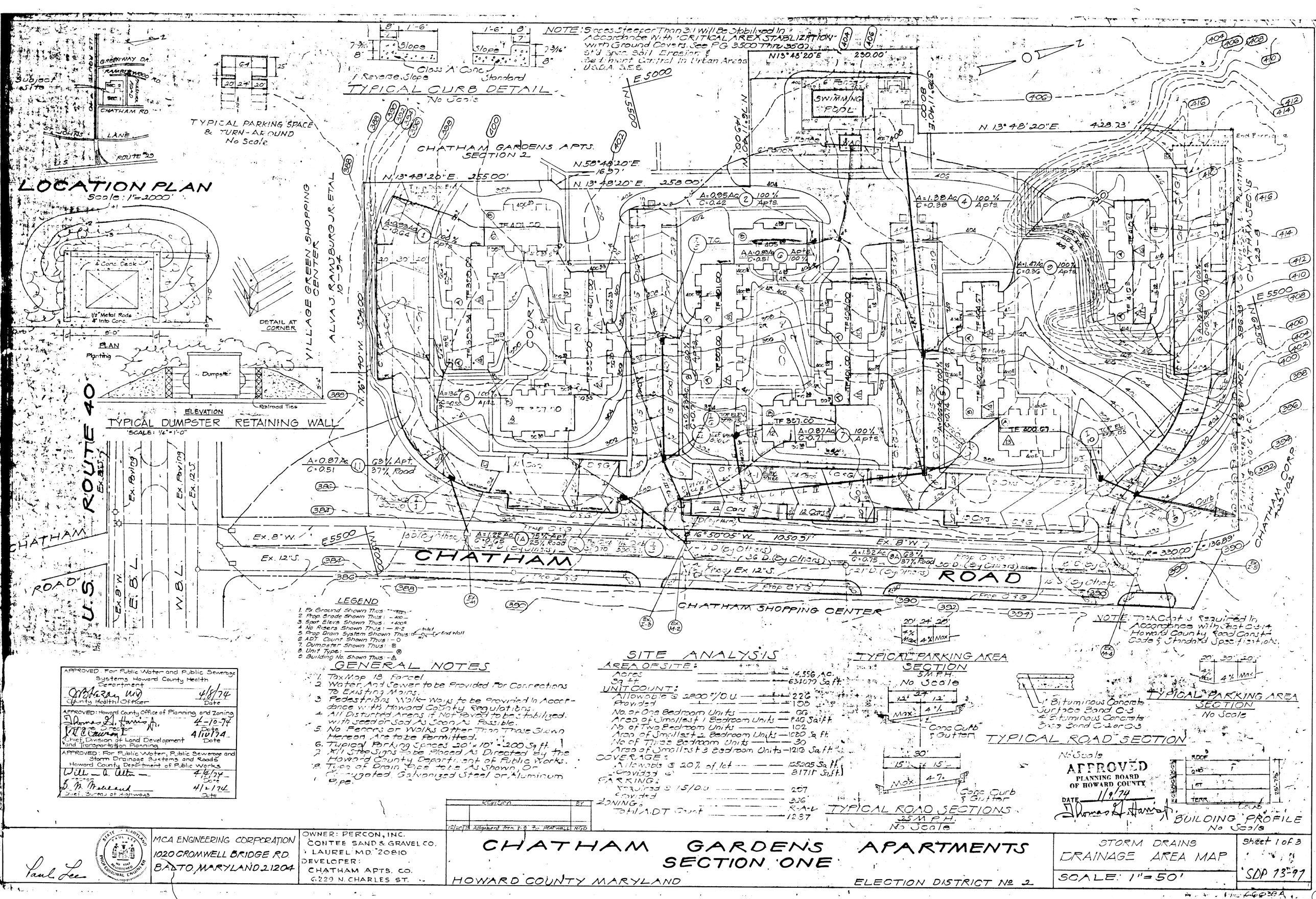
TYPICAL PARKING SPACE & TURN-AROUND
No Scale

TYPICAL CURB DETAIL
No Scale

NOTE: Slopes Steeper Than 3:1 Will Be Stabilized In Accordance With "CRITICAL AREA STABLIZATION" With Ground Covers. See PG 3500 Thru 3503 Std Spec. Soil Erosion & Sediment Control In Urban Areas U.S.D.A. S.C.S.

DETAIL AT CORNER

TYPICAL DUMPSTER RETAINING WALL
SCALE: 1/4"=1'-0"


CHATHAM GARDENS APTS. SECTION 2
ALVA J. RAMSBURG JR. ETAL 10-94
VILLAGE GREEN SHOPPING CENTER
CHATHAM SHOPPING CENTER
CHATHAM ROAD
U.S. ROUTE 40
E.B.L.
W.B.L.
COURT
CIRCLE
N.13°48'20"E. 255.00'
N.58°48'20"E. 169.7'
N.13°48'20"E. 258.00'
N.13°48'20"E. 428.23'
S.58°11'40"E. 800.0'
N.76°11'40"W. 334.00'
S.16°50'05"W. 1050.51'
R=330.00' L=136.89'
A=0.93Ac C=0.64 (1) 100% Apts.
A=0.95Ac C=0.42 (2) 100% Apts.
A=0.87Ac C=0.51 (3) 100% Apts.
A=1.38Ac C=0.38 (4) 100% Apts.
A=0.87Ac C=0.51 (5) 100% Apts.
A=1.36Ac (8) 100% Apts.
A=0.87Ac C=0.71 (7) 100% Apts.
A=0.87Ac C=0.51 (11) 63% Apt. 37% Road
A=1.22Ac C=0.65 (1A) 75% Apt. 25% Road
A=1.52Ac C=0.75 (8A) 63% Apt. 37% Road
A=0.74Ac C=0.74 (9) 100% Apts.
A=1.47Ac C=0.36 (10) 100% Apts.
A=0.68Ac C=0.71 (12) 100% Apts.
A=0.68Ac C=0.71 (13) 100% Apts.
T.C. (5)
T.C. (6)
T.C. (9)
T.C. (10)
T.C. (12)
T.C. (13)
TOP ELEV. 370.25
TOP ELEV. 366.05
TOP ELEV. 366.05
TF 401.00
TF 405.00
TF 400.67
TF 404.67
TF 327.00
TF 350.00
TF 337.10
TF 456.00
TF 450.00
TF 401.00
TF 400.67
TF 414.67
TF 414.67
TF 414

LOCATION PLAN

Scale: 1"=2000'

Approved: For Public Water & Public Sewerage Systems, Howard County Health Department	
County Health Officer	Date
Approved: Howard County Office of Planning & Zoning	
Planning Director	Date
Chief, Division of Land Development and Transportation Planning	Date
Approved: For Public Water, Public Sewerage and Storm Drainage Systems & Roads Howard County Department of Public Works	
Director	Date
Chief, Bureau of Highways	Date

U.S. ROUTE 40

CHATHAM ROAD

Ex. B.W.

Ex. 12"S

Ex. Paving

E.B.L.

W.B.L.

SMALL SEDIMENT BASIN (See Detail)

EARTH BERM (See Detail)

VILLAGE GREEN SHOPPING CENTER

ALVA J. RAMSBURG JR. ETAL

CHATHAM GARDENS APTS. SECTION 2

CHATHAM SHOPPING CENTER

CHATHAM ROAD

EARTH BERM (See Detail)

Stone Filter Berm (See Detail)

SMALL SEDIMENT BASIN (See Detail)

CHATHAM APTS. 23-A

CHATHAM APTS. 23-B

LEGEND

Ex Ground : ----- 330

Prop. Grades : ——— 332

OWNERS CERTIFICATE:

I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN & SEDIMENT AND PLANT EROSION & SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED WITH THE CONSTRUCTION PROJECT WILL HAVE A COPY OF THE APPROVED PLAN ON THE JOB SITE WHILE LAND DISTURBING ACTIVITIES ARE IN PROGRESS, AND THAT THE HOWARD SOIL CONSERVATION DISTRICT WILL BE NOTIFIED BY LETTER THAT THE PROJECT IS COMPLETED SO THAT FINAL INSPECTION CAN BE MADE.

SEAL Charles Haugh SIGNATURE 1/15/74 DATE

ENGINEERS CERTIFICATE:

I CERTIFY THAT THIS PLAN FOR EROSION & SEDIMENT CONTROL REPRESENTS A TECHNICAL 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.

SEAL Paul Lee P.E. 4047 SIGNATURE 1/15/74 DATE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS

James M. Webb Date 2-1-74
U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

APPROVED Robert Wilson 2-1-74
HOWARD S.C.D.

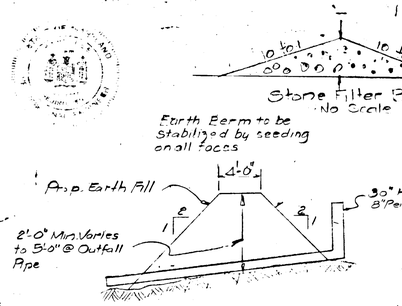
GENERAL NOTES

1. Tax Map 18 Parcel
2. Water And Sewer to be Provided By Howard County For Connections To Existing Mains
3. Pedestrians Walk-Ways to be Provided In Accordance with Howard County Regulations
4. All Disturbed Areas If Not Paved to be Fertilized with Seed or Sod As Soon As Possible.
5. No Fences or Walls Other than Those Shown Hereon Are to be Permitted.
6. Typical Parking Space 9'x19' = 200 Sq Ft
7. All Stop Signs To be Placed As Directed By The Howard County Department of Public Works
8. Type of Drain Pipe to be As Shown Or Corrugated Galvanized Steel or Aluminum Pipe
9. All sediment control measures must be installed & stabilized prior to any grading
10. No Temporary sediment control structure may be removed or destroyed without approval of Howard Soil Conservation District
11. Areas to be seeded without P/W's shall use a seed mixture As Follows: Annual Rye Grass (20%) Kentucky Blue Grass (20%) and Kentucky 31 Fescue (60%) at the rate of 200#/ac. Sow with Mechanical Spreader Rake. Minimum of two (2) Passes with "York Rake". Cover and Compact with Cultipacker. Surface preparation to include ground limestone over topsoil Surface area at the rate of 1¼ T/Ac (60-1000) Commercial fertilizer (5-10-10) At the rate of ½ T/Ac (35-1000) and Superphosphate at the rate of 600-lb (15-1000).
12. Soil Conservation District to be notified 24 hours prior to start of Construction.
13. Can Storm Drain until paving is completed

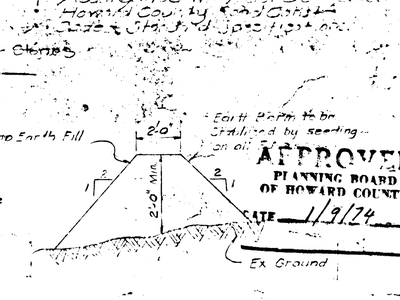
SCHEDULE OF SITE CONSTRUCTION

1. Grading of site and preparation of sediment control basins & berms
2. Seed and mulch both sides of berm.
3. Place crusher run sub base for paved areas.
4. Construct on-site storm drain system
5. Construction of buildings
6. Stabilize all disturbed areas around buildings
7. Remove sediment Basin & Berms & stabilize area

Stone Filter Berm
No Scale



DETAIL OF SMALL SEDIMENT BASIN
No Scale



DETAIL OF EARTH BERM
No Scale

APPROVED
PLANNING BOARD OF HOWARD COUNTY
DATE 1/9/74

Accordance with the Howard County Zoning and Subdivision Regulations

MCA ENGINEERING CORP.
1020 CROMWELL BRIDGE RD
BALTO, MARYLAND 21204

CHATHAM GARDENS APARTMENTS SECTION ONE

HOWARD COUNTY MARYLAND — ELECTION DISTRICT No. 2

SEDIMENT CONTROL & GRADE PLAN

SCALE: 1"=50'

SDP 73-9

LEGEND

1. Ex. Ground Shown Thus: -- (400) --
2. Prop. Grade Shown Thus: — 400 —
3. Spot Elevs. Shown Thus: + 400.0
4. No Risers Shown Thus: — R-2
5. Prop Drain System Shown Thus: Inlet, MH, End Wall
6. A.D.T. Count Shown Thus: — O
7. Dumpster Shown Thus: — D
8. Unit Type: — (A)
9. Building No. Shown Thus: — △

APPROVED: For Public Water and Public/Sewerage Systems, Howard County, Health Department	
County Health Officer	4/8/74 Date
APPROVED: Howard County Office of Planning and Zoning	
Planning Director — Thomas G. Harris Jr.	4-10-74 Date
Chief, Division of Land Development and Transportation Planning	4/10/74 Date
APPROVED: For Public Water, Public Sewerage and Storm Drainage System and Roads Howard County Department of Public Works	
Director	4/4/74
Chief, Bureau of Highways	4/2/74 Date

GENERAL NOTES

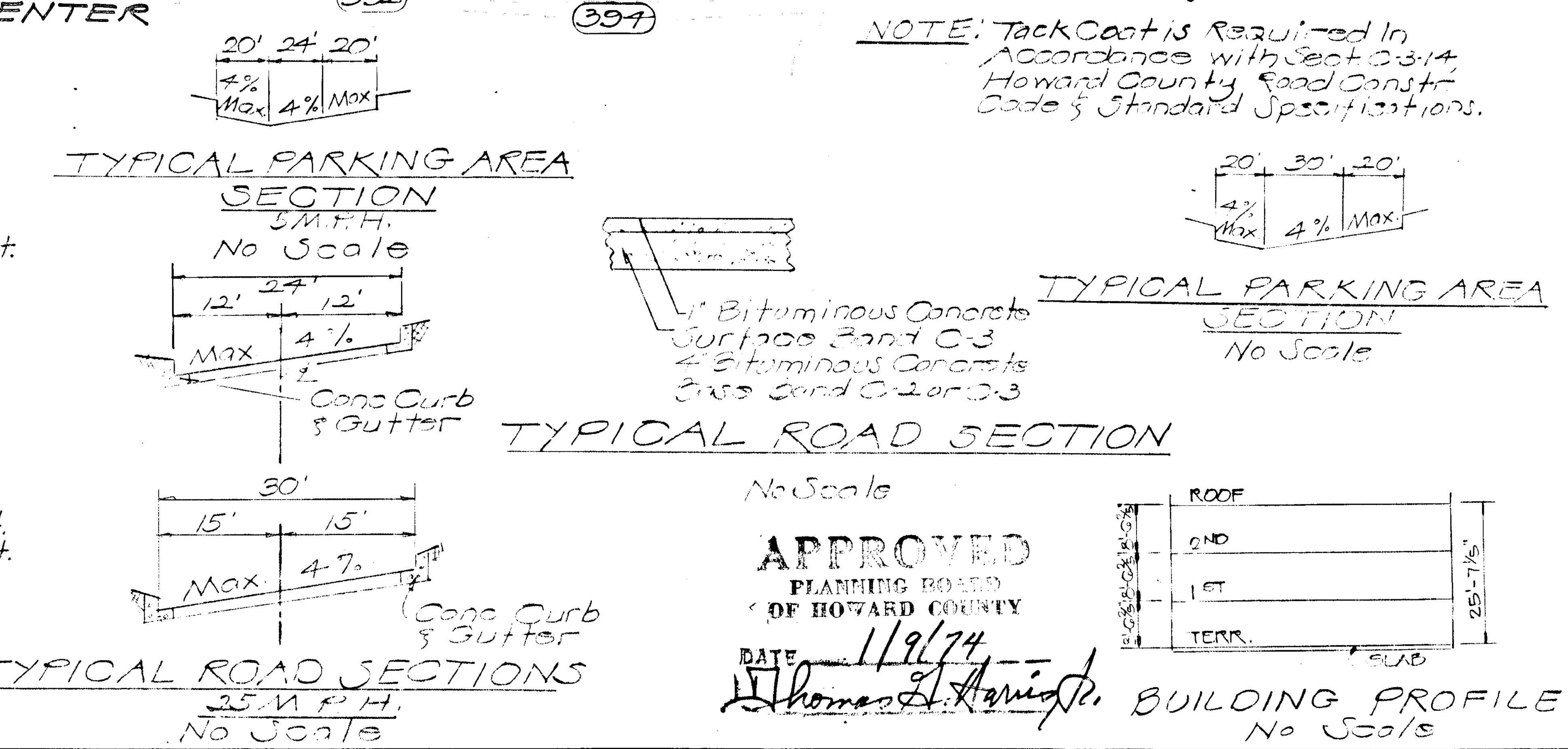
1. Tax Map 18 Parcel
2. Water And Sewer to be Provided For Connections To Existing Mains.
3. Pedestrians Walk-Ways to be Provided In Accordance with Howard County Regulations.
4. All Disturbed Areas if Not Paved to be Stabilized with Seed or Sod As Soon As Possible.
5. No Fences or Walks Other Than Those Shown Hereon Are to be Permitted.
6. Typical Parking Spaces 20'x10' = 200 Sq ft.
7. All Stop Signs to be Placed As Directed By The Howard County Department of Public Works.
8. Type of Drain Pipe to be As Shown, Or Corrugated, Galvanized Steel or Aluminum Pipe.

SITE ANALYSIS

AREA OF SITE:	
Acres	14.556 Ac.
Sq. Ft.	634,070 Sq. ft.
UNIT COUNT:	
Allowable @ 2800 ft²/D.U.	226
Provided	198
No. of One Bedroom Units	66
Area of Smallest 1 Bedroom Units	840 Sq. ft.
No. of Two Bedroom Units	102
Area of Smallest 2 Bedroom Units	1030 Sq. ft.
No. of Three Bedroom Units	30
Area of Smallest 3 Bedroom Units	1216 Sq. ft.
COVERAGE:	
Allowable @ 20% of lot	125,205 Sq. ft.
Provided @	81711 Sq. ft.
PARKING:	
Required @ 1.5/D.U.	297
Provided	326
ZONING:	R-A-1
Total A.D.T. Count	1287

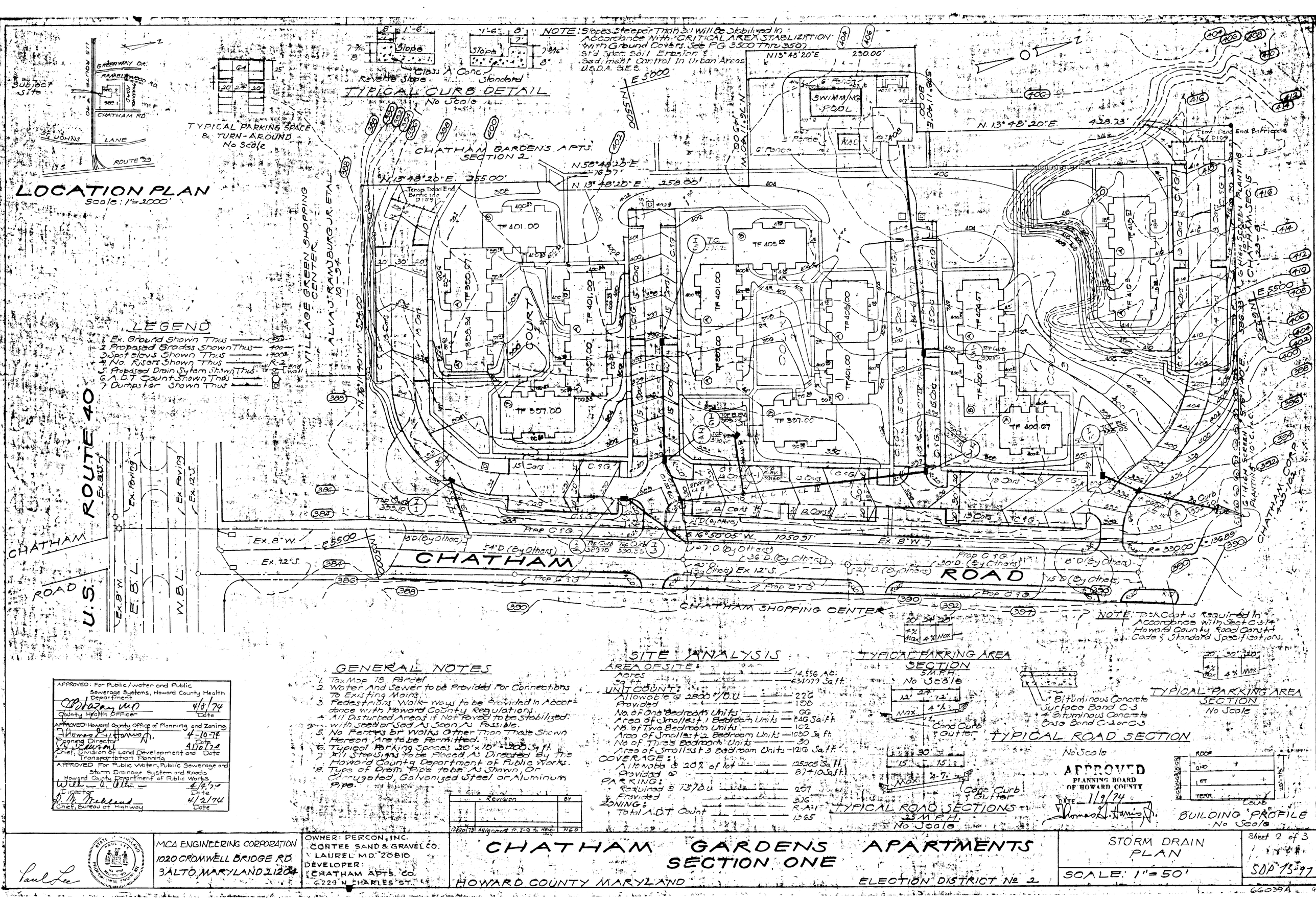
Date	Revision	By
12/20/73	Allignment from I-9 to Headwall	NGD

NOTE: Tack Coat is Required In Accordance with Sect. C-3-14 Howard County Road Constr. Code & Standard Specifications.



APPROVED
PLANNING BOARD OF HOWARD COUNTY
DATE 1/9/74
Thomas G. Harris Jr.

MCA ENGINEERING CORPORATION 1020 CROMWELL BRIDGE RD. BALTO, MARYLAND 21204	OWNER: PERCON, INC. CONTEE SAND & GRAVEL CO. LAUREL MD. 20810 DEVELOPER: CHATHAM APTS. CO. 6229 N. CHARLES ST.	CHATHAM GARDENS APARTMENTS SECTION ONE	SITE DEVELOPMENT PLAN	SDP 73-97
		HOWARD COUNTY MARYLAND / ELECTION DISTRICT № 2	SCALE: 1"=50'	



LEGEND

1. Ex. Ground Shown Thus ——— 350
2. Proposed Grades Shown Thus —— 400
3. Spot Elevs Shown Thus —— +402.8
4. No. Risers Shown Thus —— R-2
5. Proposed Drain System Shown Thus —— Typ. I
6. A.D.T. Count Shown Thus ——
7. Dumpster Shown Thus ——

GENERAL NOTES

1. Tax Map 18, Parcel
2. Water And Sewer to be Provided for Connections To Existing Mains.
3. Pedestrians Walk-Ways to be Provided In Accordance with Howard County Regulations.
4. All Disturbed Areas if Not Paved to be Stabilized with Seed or Sod As Soon As Possible.
5. No Fences or Walks Other Than Those Shown Hereon Are to be Permitted.
6. Typical Parking Spaces 20'x10' = 200 Sq. Ft.
7. All Stop Signs to be Placed As Directed by the Howard County Department of Public Works.
8. Type of Drain Pipe to be As Shown, Or Corrugated, Galvanized Steel or Aluminum Pipe.

SITE ANALYSIS

AREA OF SITE:
- Acres ——— 14.556 AC.
- Sq. Ft. ——— 634079 Sq. Ft.

UNIT COUNT:
- Allowable @ 2800 ft²/D.U. ——— 226
- Provided ——— 198
- No. of One Bedroom Units ——— 66
- Area of Smallest 1 Bedroom Units ——— 840 Sq. Ft.
- No. of Two Bedroom Units ——— 102
- Area of Smallest 2 Bedroom Units ——— 1030 Sq. Ft.
- No. of Three Bedroom Units ——— 30
- Area of Smallest 3 Bedroom Units ——— 1210 Sq. Ft.

COVERAGE:
- Allowable @ 20% of lot ——— 125205 Sq. Ft.
- Provided @ ——— 87410 Sq. Ft.

PARKING:
- Required @ 1.5/D.U. ——— 297
- Provided ——— 326

ZONING: R-A-15

Total A.D.T. Count ——— 1365

Revision	BY
12/20/74 Alignment of T-9 to Head-wall	NGD

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department

County Health Officer — 4/8/74 Date

APPROVED: Howard County Office of Planning and Zoning

Planning Director — 4-10-74 Date

Chief, Division of Land Development and Transportation Planning — 4/10/74 Date

APPROVED For Public Water, Public Sewerage and Storm Drainage System and Roads Howard County Department of Public Works

Director — 4/9/74 Date

Chief, Bureau of Highway — 4/2/74 Date

APPROVED PLANNING BOARD OF HOWARD COUNTY
DATE 11/9/74

Paul Lee

MCA ENGINEERING CORPORATION
1020 CROMWELL BRIDGE RD.
BALTO, MARYLAND 21204

OWNER: PERCON, INC.
CONTEE SAND & GRAVEL CO.
LAUREL MD. 20810
DEVELOPER:
CHATHAM APTS. CO.
6229 N. CHARLES ST.

CHATHAM GARDENS APARTMENTS
SECTION ONE

HOWARD COUNTY MARYLAND — ELECTION DISTRICT No. 2

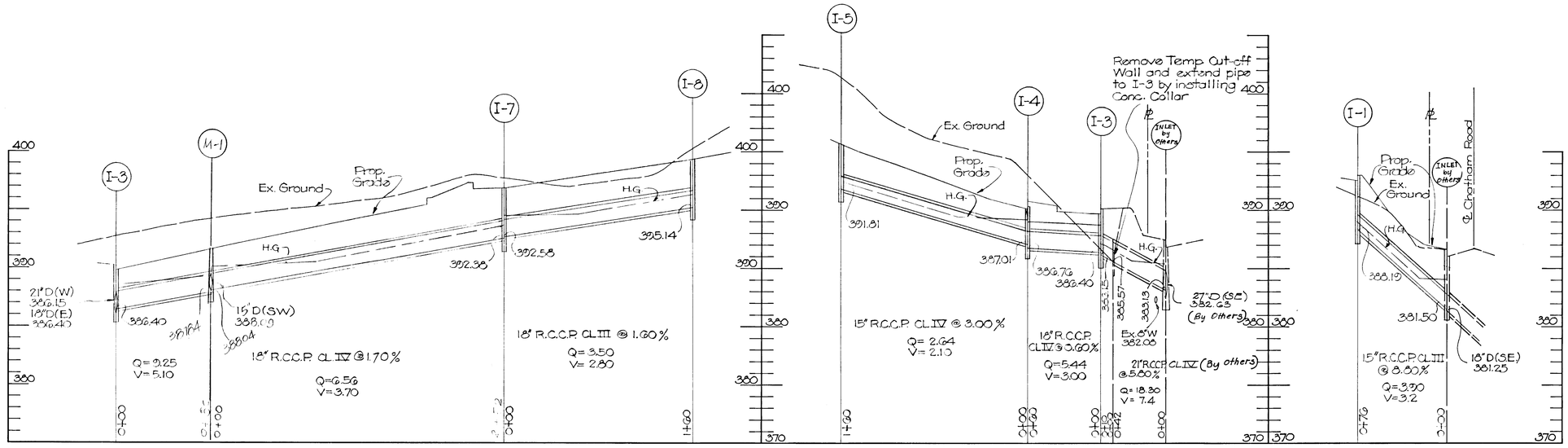
STORM DRAIN PLAN

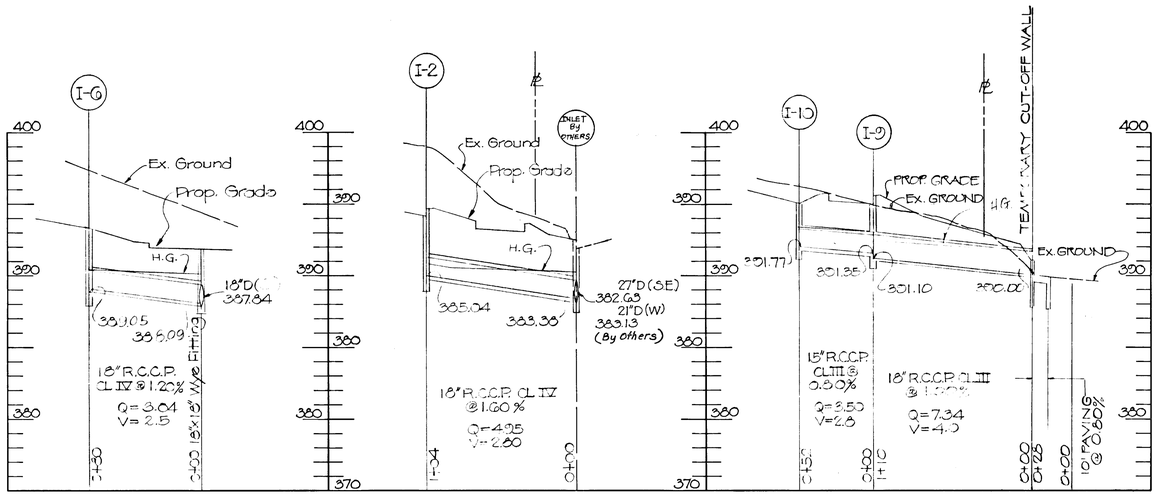
SCALE: 1"=50'

Sheet 2 of 3

SDP 73-97

660394



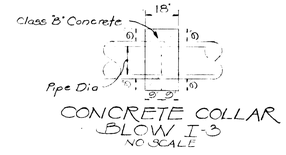


PROFILES

Scale: Hor. 1"=50'
Vert. 1"=5'

INLET SCHEDULE				
Nº	TYPE	Q	INV. OUT	TOP ELEV.
1	Dbl. S' Comb.	3.90	388.10	395.05
2	Dbl. S' Comb.	4.95	386.64	389.70
3	Dbl. S' Comb.	4.10	386.15	390.35
4	Dbl. S' Comb.	2.37	386.76	390.15
5	Dbl. S' Comb.	2.64	391.81	391.15
6	Dbl. S' Inlet	3.04	388.80	393.25
7	Dbl. S' Comb.	3.24	392.38	397.35
8	Dbl. S' Comb.	3.50	395.14	399.85
9	Dbl. S' Comb.	3.90	391.10	396.05
10	Dbl. S' Comb.	2.60	391.17	396.05

MANHOLE SCHEDULE					
Nº	TYPE	SIZE	INV. IN	INV. OUT	TOP EL.
1	B	48"		387.84	391.60



APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 4/9/74
Thomas D. Harris Jr.

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department
4/1/74
County Health Officer — Date

APPROVED: Howard County Office of Planning and Zoning
Director — 4-10-74 Date
Chief, Division of Land Development and Transportation Planning — 4/10/74 Date

APPROVED: For Public Water, Public Sewerage and Storm Drainage System and Roads Howard County Department of Public Work
Director — 4/2/74 Date
Chief, Bureau of Highways — 4/2/74 Date

N.G.D. Designed	ENGINEERS	OWNER & DEVELOPER	STORM DRAINS
J.A.W. Drawn	MCA ENGINEERING CORPORATION 1020 CROMWELL BRIDGE RD. BALTIMORE, MARYLAND, 21204	OWNER: PERCON, INC. LAUREL, MD. 20810 DEVELOPER: CHATHAM APTS. CO. 6229 N. CHARLES ST.	CHATHAM GARDENS APARTMENTS SECTION ONE
Checked	P.E. — Reg. No. 10471 — Date		Howard County, Maryland — Election District 2

REVISIONS			
Date	Description	By	Sheet 2 of 2
			Drawing No.
			Contract No.

SDP 73-94