

THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
LIBER 463 FOLIO 198

PARCEL 71
VILLAGE OF HARPER'S CHOICE
SECTION 5
PLAT BOOK 13
AREA 2
FOLIO 12

William A. Olt
Director

7/29/73
Date

APPROVED DEPARTMENT OF PUBLIC WORKS
A. M. McDonald
Chief, Bureau of Highways
7/23/73
Date

APPROVED HOWARD CO OFFICE OF PLANNING & ZONING
Thomas G. Hill
Planning Director
7-31-73
Date
Chief, Division of Land Development & Transportation Planning

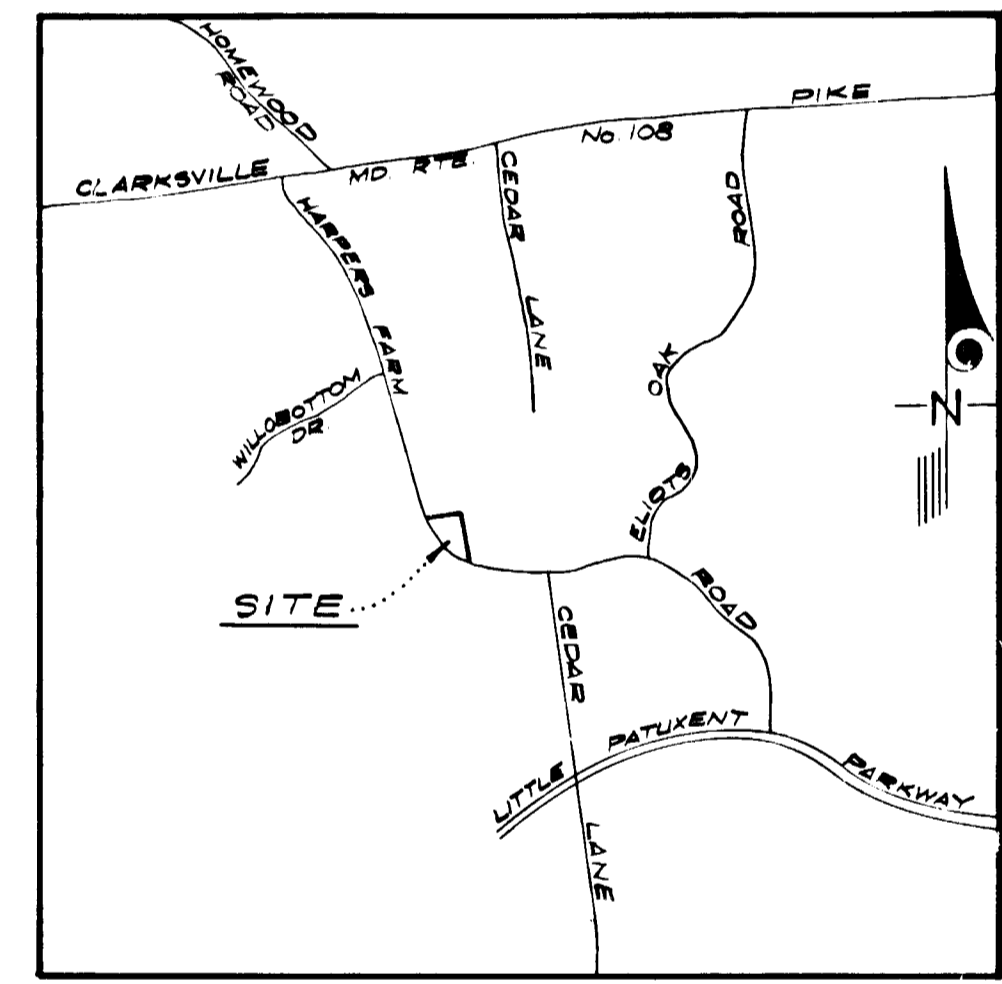
COLUMBIA
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
OWNER AND DEVELOPER
J. DAVID EVANS ASSOCIATES
5301 LIGHT HOUSE COURT
COLUMBIA, MARYLAND 21044

PROJECT: LOT A-2
VILLAGE OF HARPER'S CHOICE
SECTION 5 - AREA 3

PROJECT TITLE: CONSTRUCTION PLANS
STORM DRAINAGE PLAN

Des. By: D.A.B. Scale: As Shown Dwg. No. 1 of 3
Drm. By: Suzan Date: June 1973 C.C.F. No.
Chk. By: G.N.C. Approved

CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904



VICINITY MAP
Scale: 1" = 2000'



PLAN
Scale: 1" = 50'

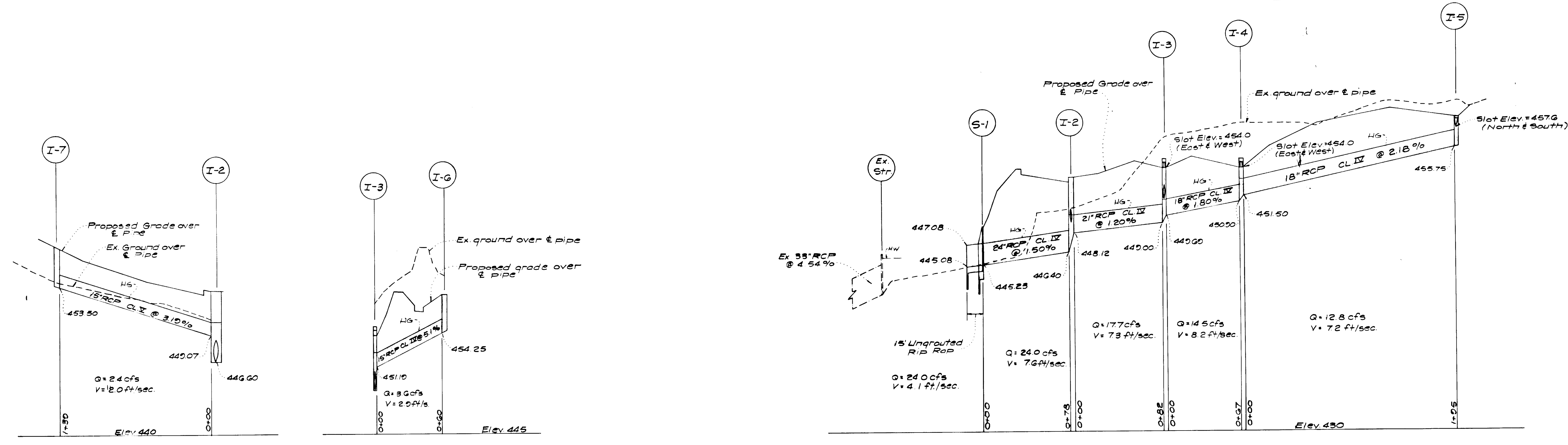
GENERAL NOTES

1. All storm drainage 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, unless otherwise indicated.
3. Trench compaction for storm drains within road or street right of way limits shall be in accordance with the latest Howard County Road Code.

APPROVED
DATE 7/14/73
Thomas G. Hill
Planning Director

STATE OF MARYLAND
Professional Engineer
A. M. McDonald
7-12-73
A. M. McDonald
6-15-73

W. A. O'Brien, Director
 Date 7/23/73
 Approved: D. M. McLeod, Chief, Bureau of Highways
 Date 7/23/73
 Approved: J. D. Hamilton, Planning Director
 Date 7-21-73
 Chief, Division of Land Development & Transportation Planning



COLUMBIA
 5th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 OWNER AND DEVELOPER
 J. DAVID EVANS ASSOCIATES
 5301 LIGHT HOUSE COURT
 COLUMBIA, MARYLAND 21044

PROJECT: LOT A-2
 VILLAGE OF HARPERS CHOICE
 SECTION 5 - AREA 3

PROJECT TITLE: CONSTRUCTION PLANS
 PROFILES

Des. By: D.A.B. Scale: As Shown Dwg. No. 2 of 3
 Dwn. By: Suzan Date: June, 1973 C.C.F. No.
 Chk. By: G.N.C. Approved

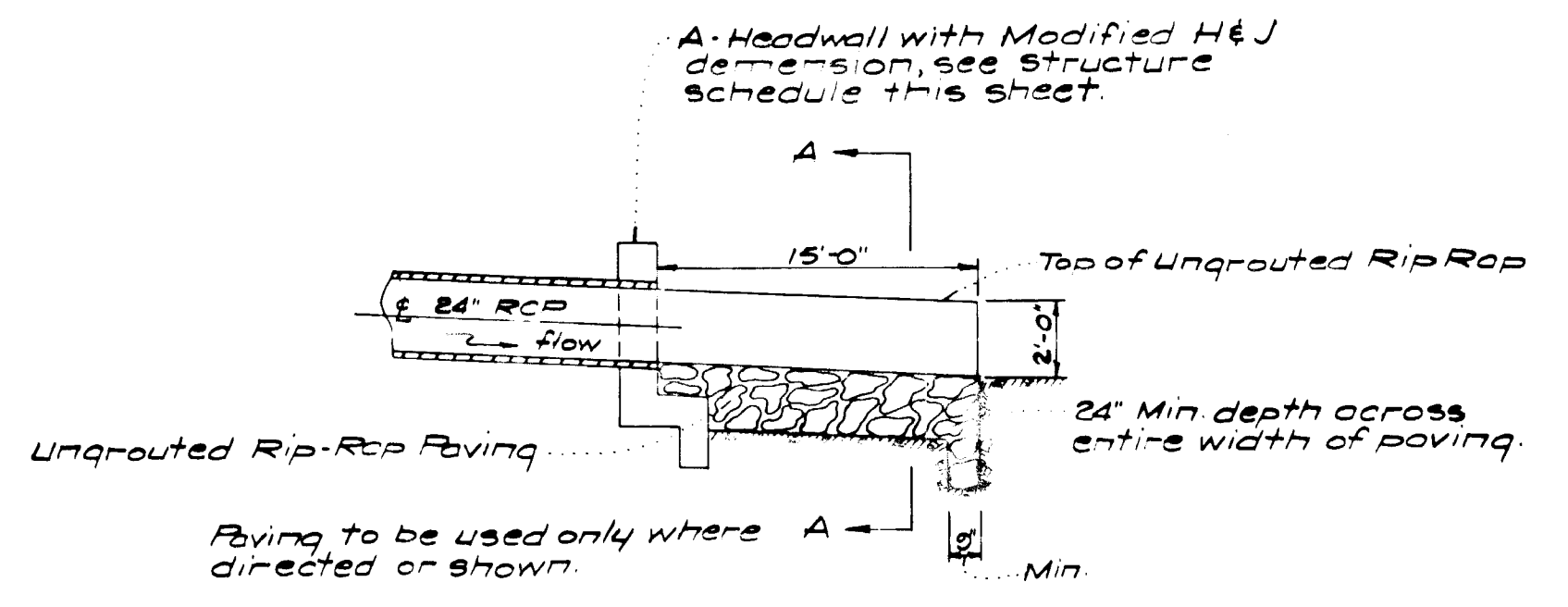
CLARK · FINEFROCK & SACKETT
 ENGINEERS · PLANNERS · SURVEYORS
 11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904

PROFILES
 Scale: Horiz. 1" = 50'
 Vert. 1" = 5'

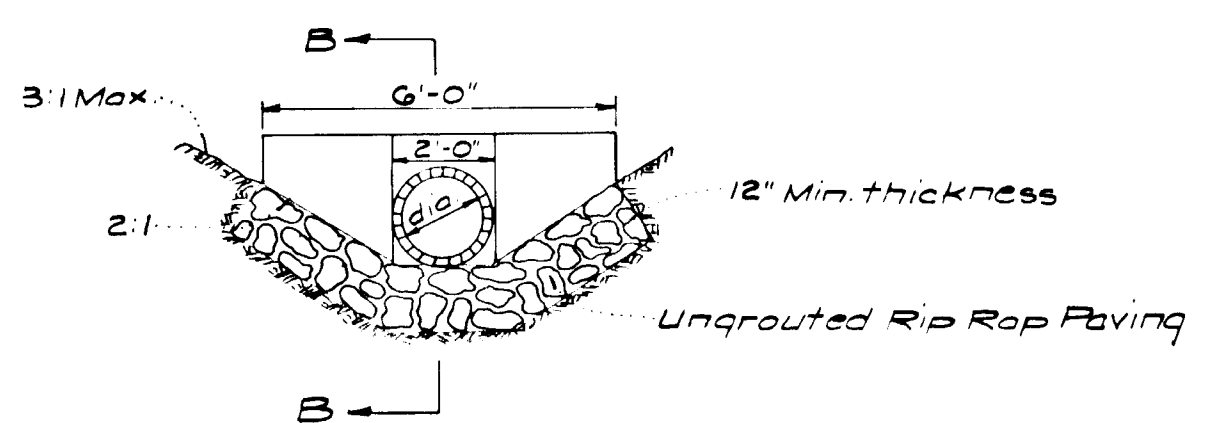
SIZE	TYPE	LENGTH
15"	RCP CL IV	90'
15"	RCP CL II	132'
18"	RCP CL II	262'
21"	RCP CL II	82'
24"	RCP CL II	87'

NO	TYPE	TOP ELEV. UPPER	LOWER	REMARKS
* S-1	A-Headwall			Howard Co. Std. 500/8
I-2	B-2 Inlet	453.10	453.10	" " " 500/32 W:4'6"
** I-3	D-Inlet	454.83		" " " 500/34 W:3'6"
** I-4	D-Inlet	454.83		" " " 500/34 W:3'6"
** I-5	K-Inlet	Slot El. 457.6		" " " 500/41 W:3'0"
I-6	S-Comb. Inlet	458.07	457.84	" " " 500/47
I-7	S-Comb. Inlet	457.97	457.57	" " " 500/47

* Modify H dimension to 4'-0" & J dimension to 2'-0" as shown in standard details.
 ** For slot locations, see profile this sheet.



SECTION B-B



SECTION A-A

RIP RAP PAVING DETAIL FOR STRUCTURE NO. S-1
 No Scale

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 7/11/73
 J. D. Hamilton

STATE OF MARYLAND
 CLARK · FINEFROCK & SACKETT
 PROFESSIONAL ENGINEERS
 7-12-73
 6-15-73

THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
LIBER 463

PARCEL F
VILLAGE OF HARPER'S CHOICE
SECTION 5
PLAT BOOK 18
FOLIO 12

William A. Altman
Director

7/24/73
Date

APPROVED DEPARTMENT OF PUBLIC WORKS

[Signature]
Chief, Bureau of Highways
7/23/73
Date

APPROVED HOWARD CO OFFICE OF PLANNING & ZONING

[Signature]
Planning Director
7-21-73
Date
Chief, Division of Land Development & Transportation Planning



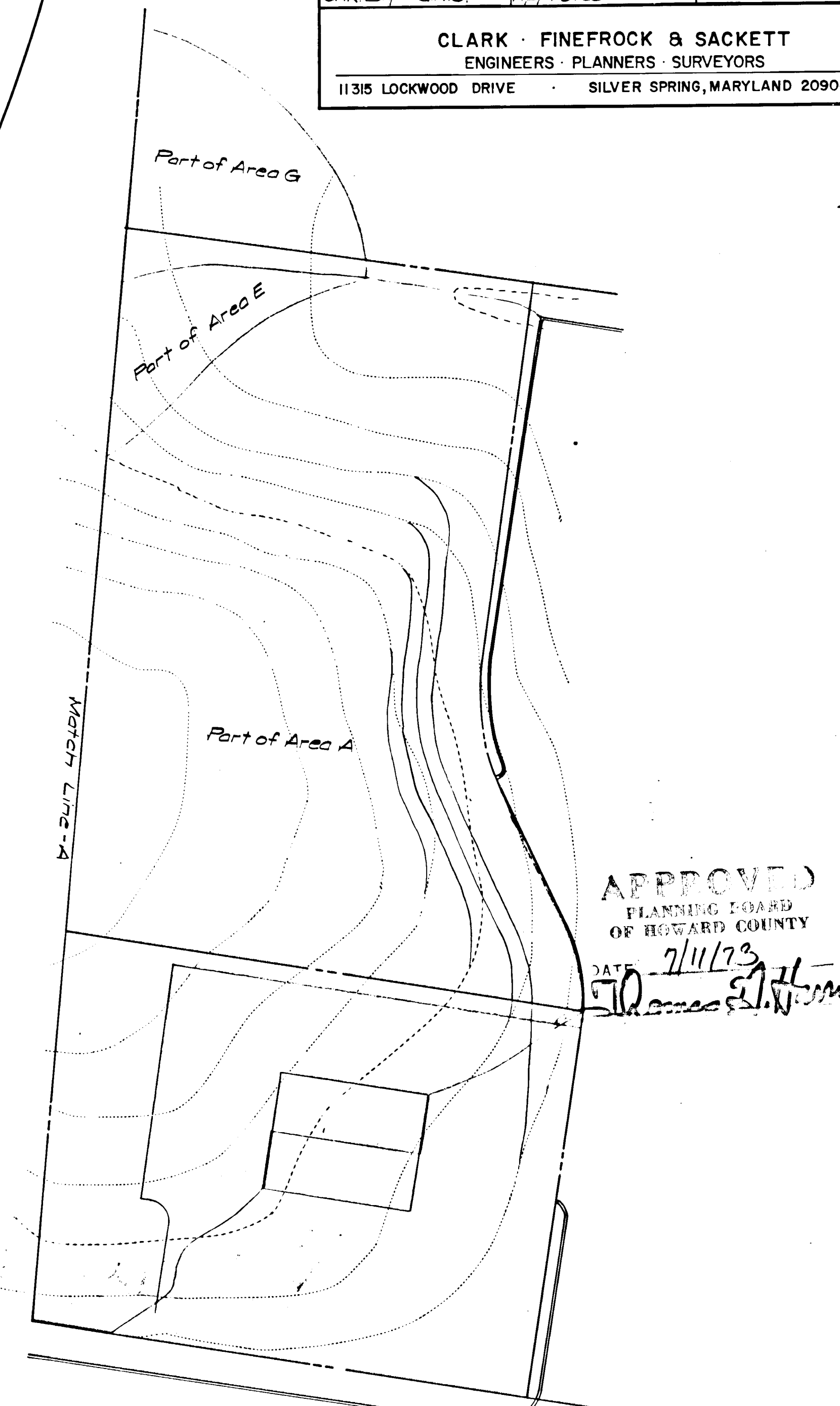
COLUMBIA
5th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
OWNER AND DEVELOPER
J. DAVID EVANS ASSOCIATES
5301 LIGHT HOUSE COURT
COLUMBIA, MARYLAND 21044

PROJECT: LOT A-2
VILLAGE OF HARPER'S CHOICE
SECTION 5 - AREA 3

PROJECT TITLE: CONSTRUCTION PLANS
DRAINAGE AREA MAP

Des By: Dr. B.	Scale: As Shown	Dwg No 3 of 3
Drn By: Suzan	Date: June, 1973	C.C.F. No.
Chk By: G.N.C.	Approved	

CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904



APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 7/11/73
[Signature]

PLAN
Scale 1" = 30'



G. M. Ann Clark
6-15-73

Fig 7
Scale 1" = 50'

APPROVED FOR PUBLIC WATER AND 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

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS

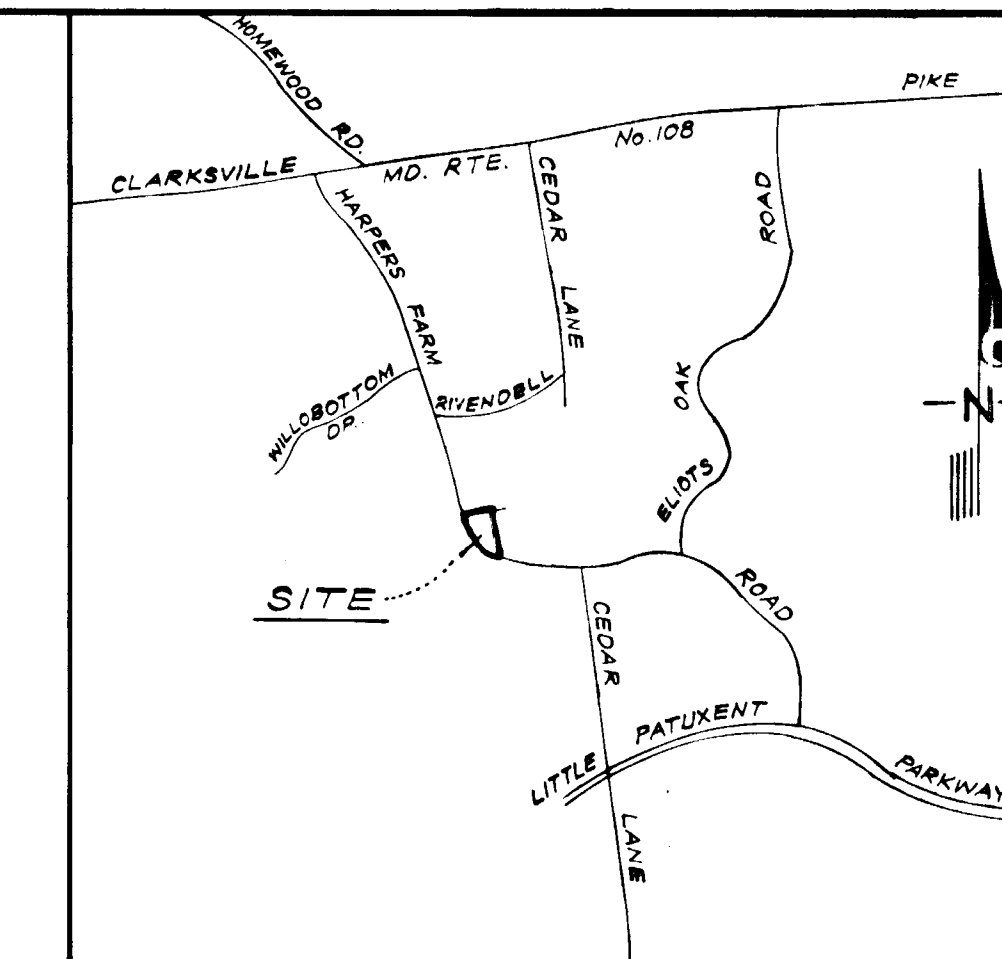
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR _____ DATE _____

CHIEF BUREAU OF HIGHWAYS _____ DATE _____

THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION
LIBER 463 FOLIO 196

PARCEL 17
VILLAGE OF HARPER'S CHOICE
SECTION 5
PLAT BOOK 18
AREA 2
FOLIO 12



LEGEND

- Contour Interval 2 FT
- Existing Contours 470
- Proposed Contours 470
- Spot Elevations +70±
- Direction of Drainage
- Retaining Wall
- Existing Trees To Be Retained
- Storage Sheds
- Yard Requirements: Front - 40', Side - 40'
- Proposed Inlets
- Proposed Storm Drain Pipe

SITE ANALYSIS

- Zoning: New Town (Apartment Land Use)
- Area: 174,240± or 4.000 Acres
- No. of Units Permitted: 40
- No. of Units Shown: 47
- No. of Parking Spaces Required: 71
- No. of Parking Spaces Provided: 86
- Building Coverage Permitted (30%) = 52,272±
- Building Coverage Provided (16%) = 27,520±
- Green Area Provided (60%) = 104,000±
- Topography & Boundary Compiled From Actual Field Survey
- The Site Development Plan (No. SDP-72-07) approved on August 25, 1971, is null and void.

UNIT ANALYSIS

BUILDING NO.	2 BEDROOM UNITS	3 BEDROOM UNITS	TOTAL (UNITS)
1	5	2	7
2	4	2	6
3	3	2	5
4	6	4	10
5	4	2	6
6	2	2	4
7	6	3	9
TOTAL	30	17	47
%	64%	36%	

APPROVED
PLANNING BOARD
OF HOWARD COUNTY

DATE 7/11/73
Thomas J. Harris

Donald B. Sackett
7-12-73

Plat Reference: Plat Book 18 Folio 91

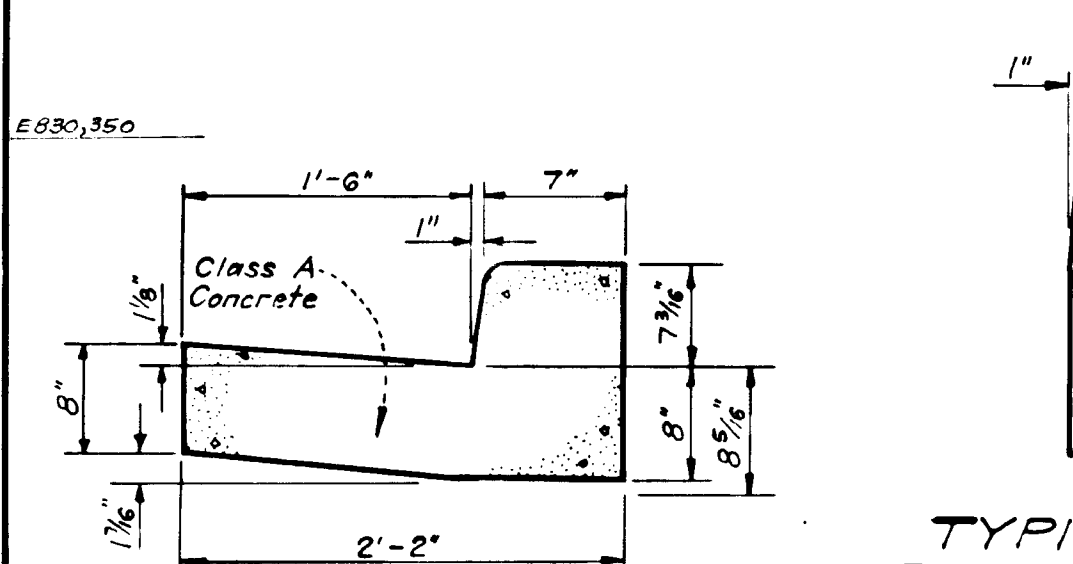
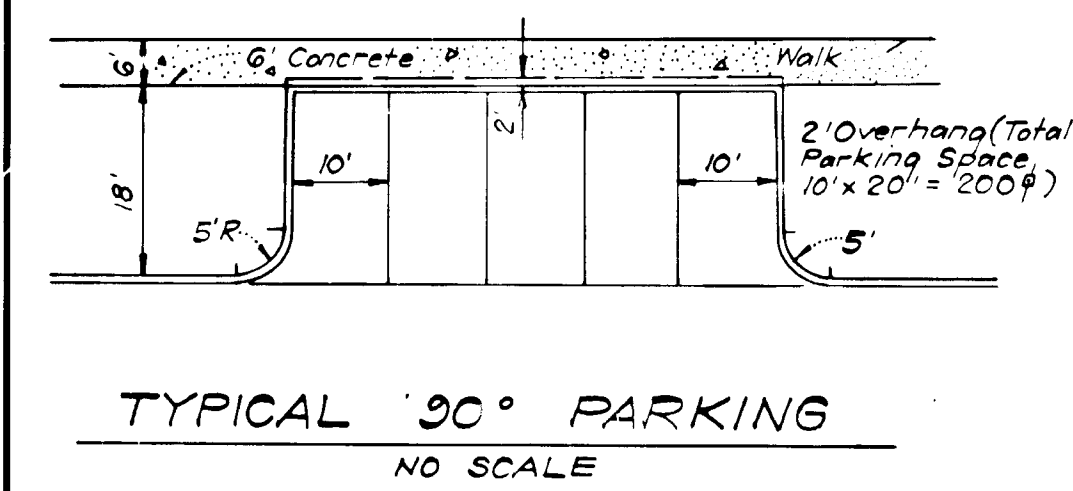
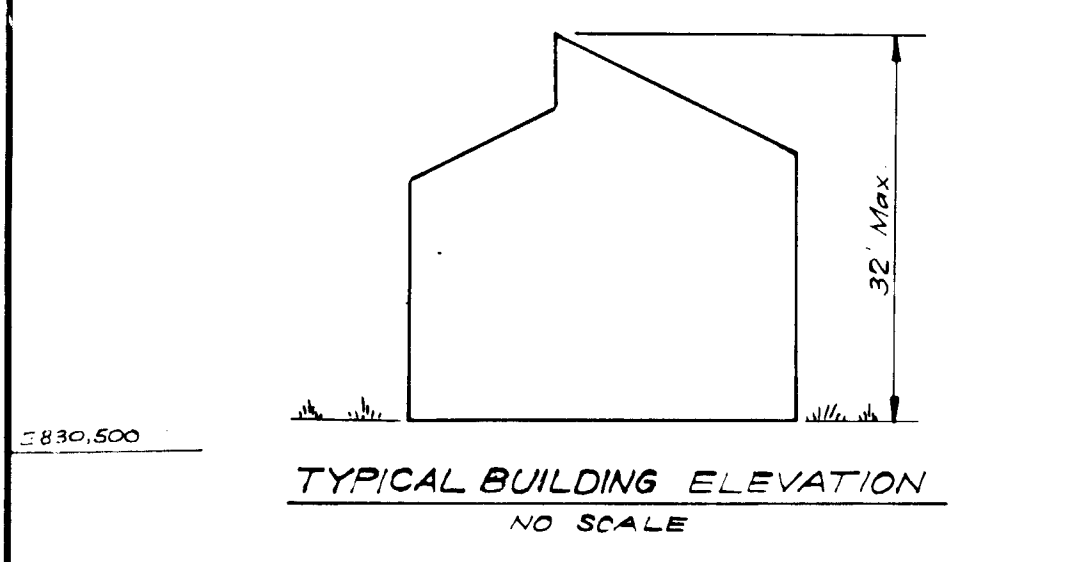
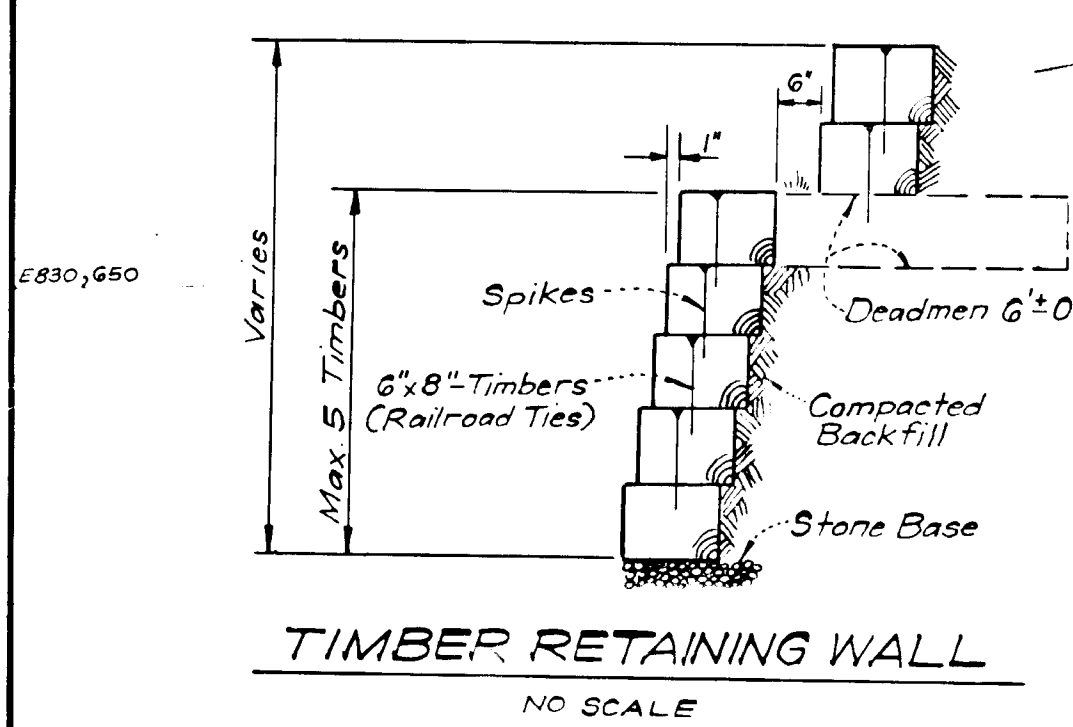
CLARK • FINEROCK & SACKETT
ENGINEERS • PLANNERS • SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904 (301) 593 3400

DESIGNED WR/MC
DRAWN KWC
CHECKED WR/MC
DATE June, 1973

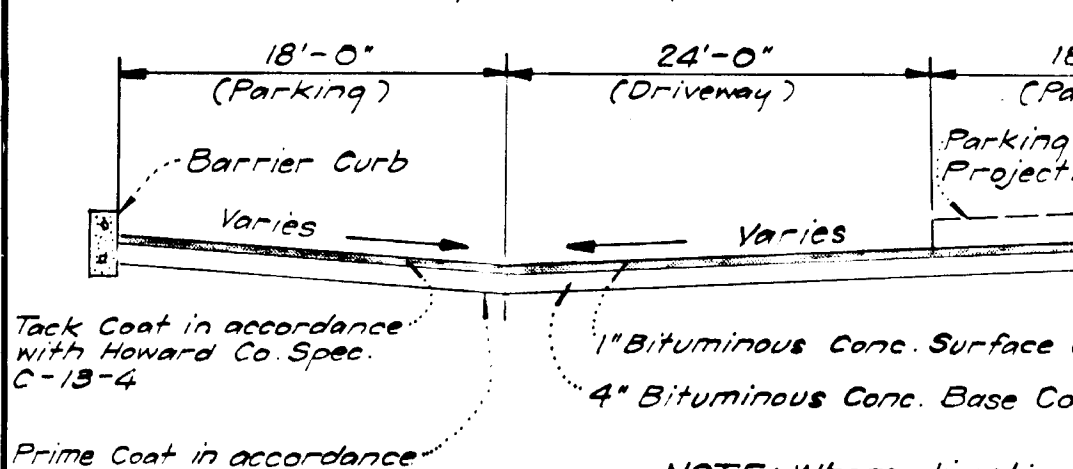
DEVELOPMENT PLAN
LOT A-2
VILLAGE OF HARPER'S CHOICE
SECTION 5 AREA 2
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: J. DAVID EVANS, Associates, Inc.
5391 Light House Court
Columbia, Md. 21014

SCALE 1" = 30'
DRAWING A
JOB NO.
FILE NO. 1775-X



STD. 7" COMBINATION CURB & GUTTER
NO SCALE
Howard Co. Std. Drawing # D-40 Pg. 95



NOTE: Where direction of flow is toward the curb, 7" Combination Curb & Gutter shall be used instead of Barrier Curb.

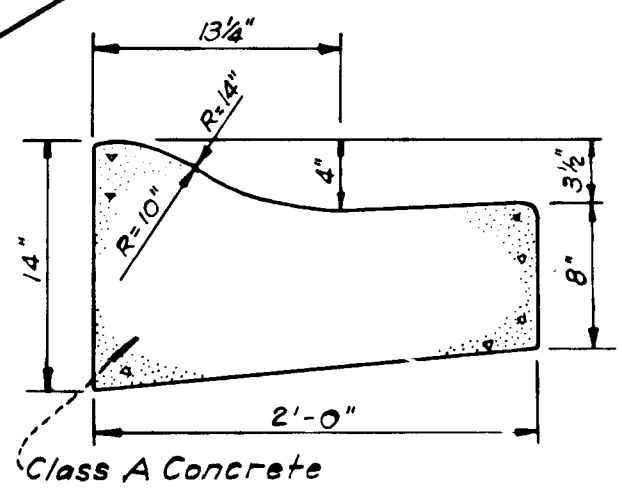
NOTE: All material and construction shall be in accordance with Howard County Road Construction Code and Standard Specifications.



NOTE: Emergency Entrance Paving

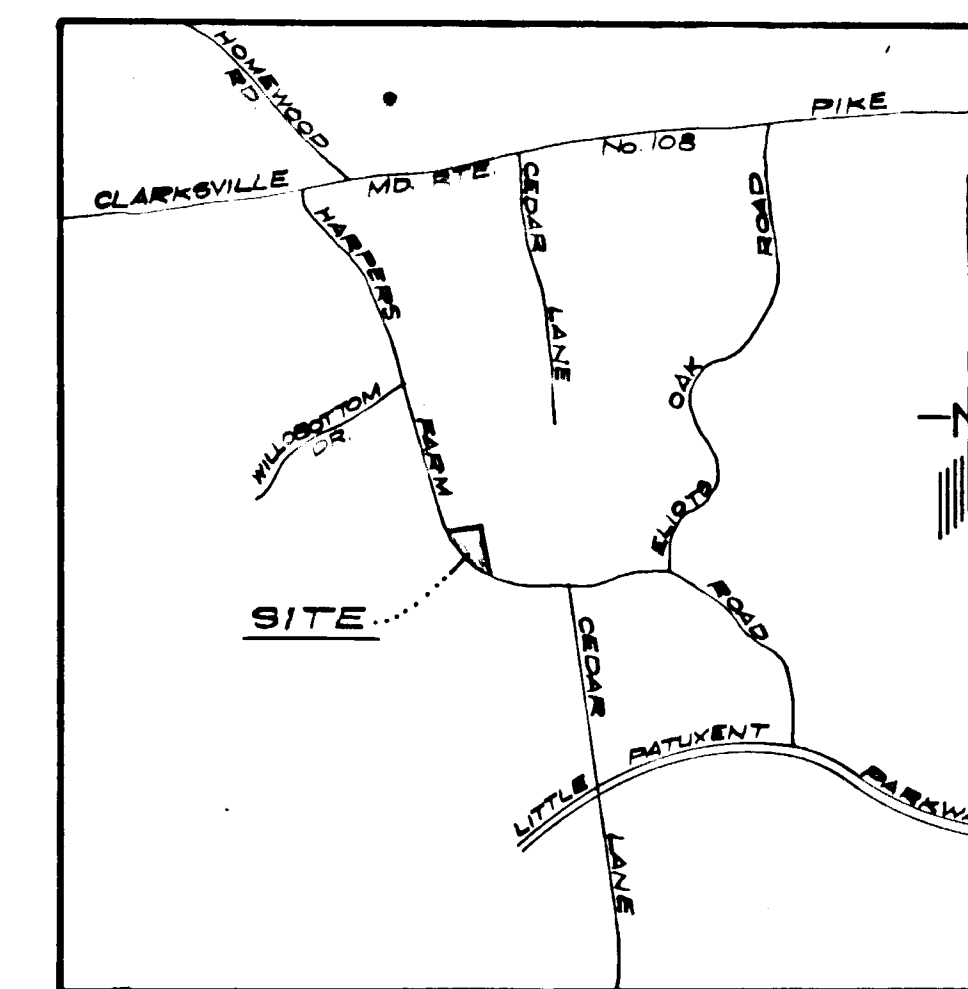
- Construct 7" reinforced Class A Concrete Paving
- Reinforcing shall be 6"x6" #8 Wire Mesh, centered in 7" Concrete Paving
- Provide 1/2" preformed Expansion Joint where slab meets back of curb and one 20" from Harpers Farm Road
- Score joints in paving at 5'-4" intervals to give an appearance of sidewalk.

MODIFIED COMBINATION CURB & GUTTER
Howard Co. Std. Drawing # D-40 Pg. 95
NO SCALE



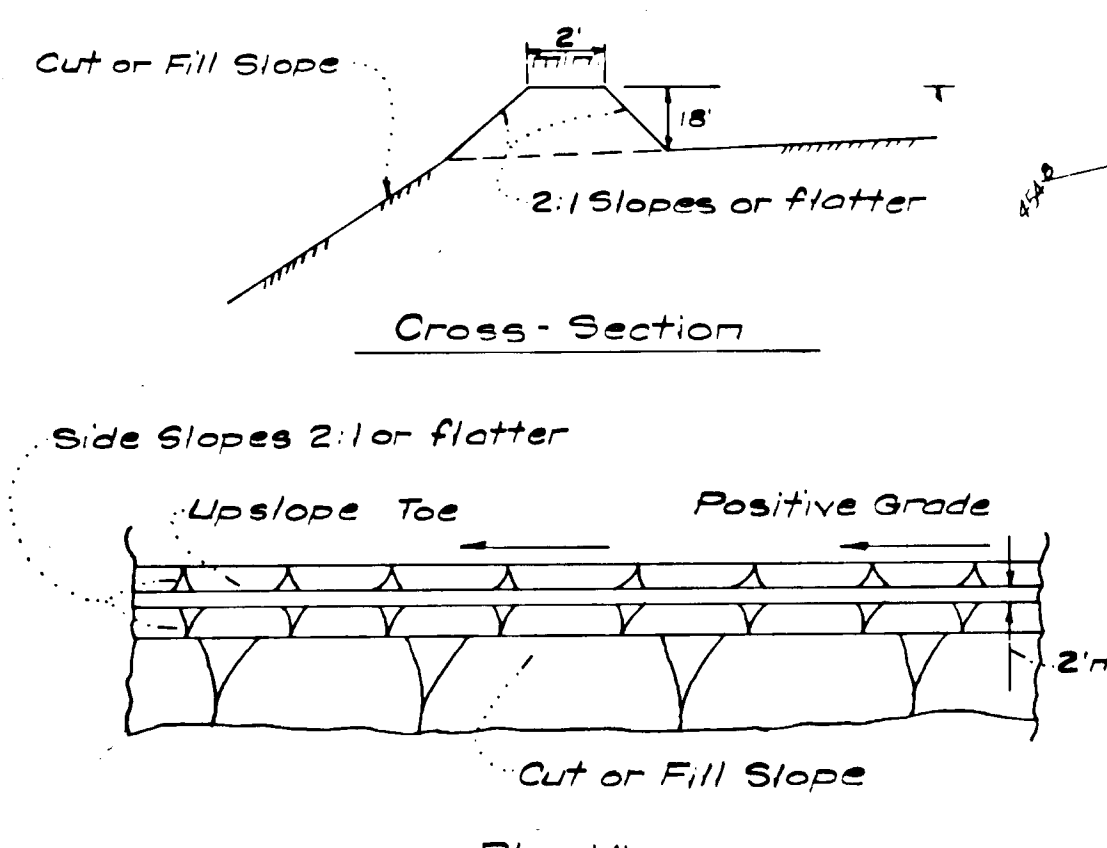
THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION -
LIBER 463 FOLIO 12G

PARCEL F'
VILLAGE OF HARPER'S CHOICE
SECTION 5
PLAT BOOK 18 AREA 2
FOLIO 12



GENERAL NOTES

- All Sediment and Erosion Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing, or disturbance of the existing surface of the site.
- Notify the Howard Soil Conservation District at least 24 hours before starting any work.
- All Sediment Control Practices to conform to the Standards and Specifications for Soil Erosion and Sediment Control in Urbanizing Areas & shall be adjusted to meet actual field conditions.
- Stabilization of disturbed ground to be done as soon after construction as possible.
- Stone filter berms shall be used where shown on plans. See detail of berm in sheet These Stone berms shall be maintained in good operating condition.
- All graded areas shall be treated in accordance with the following specifications:
a. Seed-certified 85% germination applied at the rate of 2 lbs./1000 sq. ft.; mixture - 40% Kentucky Blue, 20% Chewung Fescue, 20% Kentucky 31, and 20% Annual Ryegrass.
b. Fertilizer - 5-10-10 applied at the rate of 23 lbs./1000 sq. ft. and ground agricultural lime or dolomitic lime applied at the rate of 40 lbs./1000 sq. ft.
c. Mulch - Weed free grain straw applied at the rate of 70 lbs./1000 sq. ft. Mulch shall be secured to the ground by any approved method, i.e. asphalt tacks, chemical binder, wood chips, etc.
- Sediment Basin to be removed only after written approval from the Howard Conservation District has been obtained.
- Cleanout of Sediment Basin to be required when sediment reaches 6" below top of riser.
- Brick shut all inlets. Inlets to be reopened after paving and stabilization is completed.
- Grading & paving in vicinity of sediment basin shall be done immediately after removal of sediment basin.

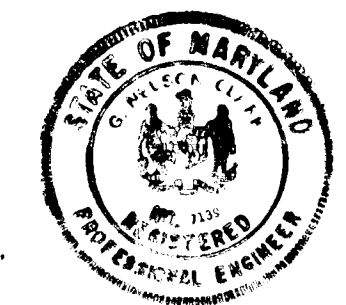


DIVERSION BERM
No Scale

ENGINEER'S CERTIFICATE

I hereby 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.

6-15-73 Date *G Nelson Clark*
G Nelson Clark



DEVELOPER'S CERTIFICATE

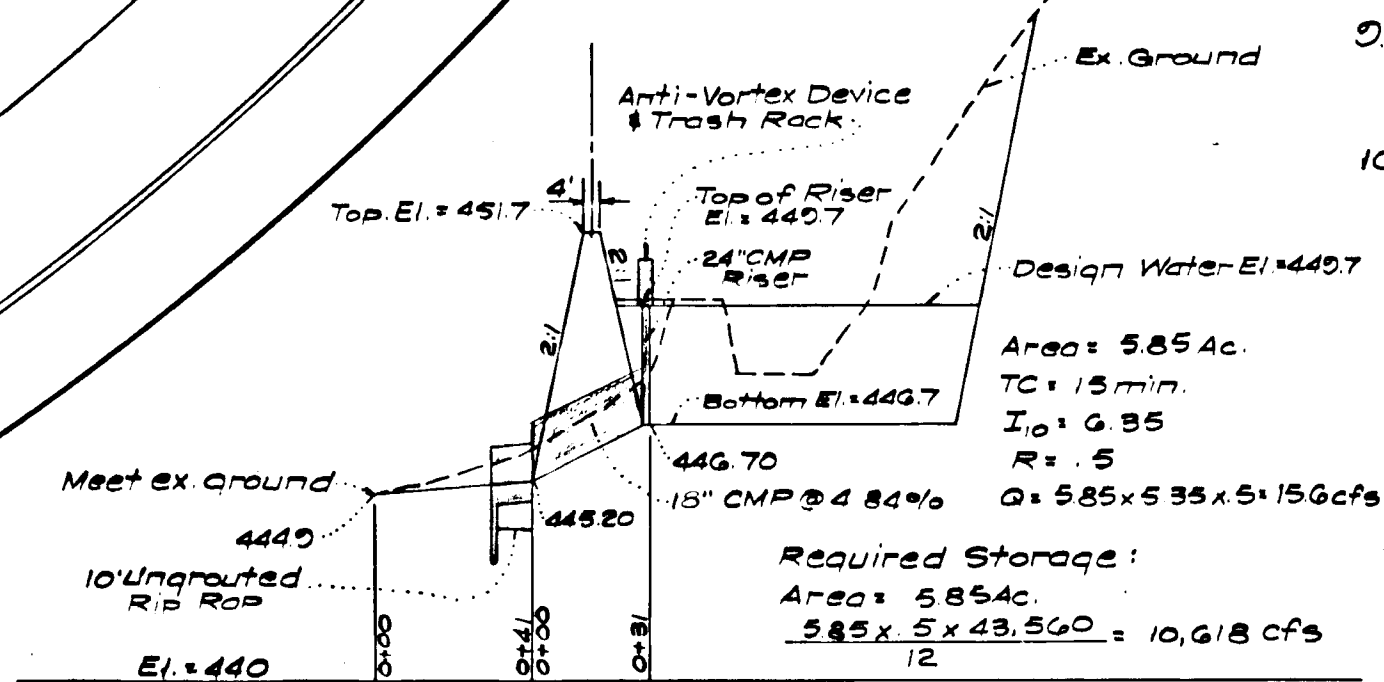
I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on site inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary. Deviation from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

6-15-73 Date *Howard W. Ward*
Signature

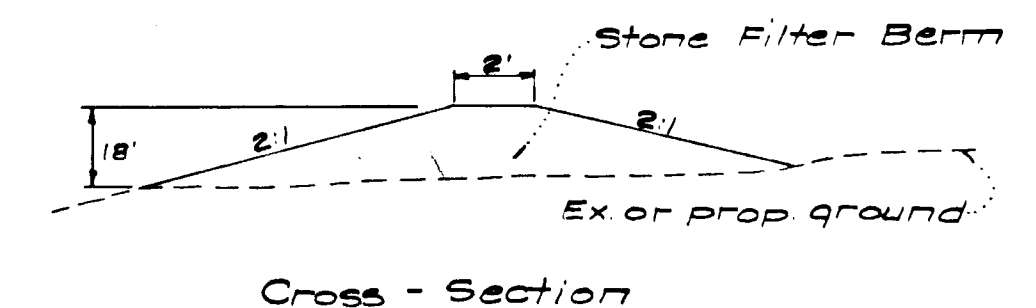
Reviewed for *Howard S.C.D.* Name
and meets Technical Requirements
Charles A. Ward Date *7/17/73*
Signature Date
U.S. Soil Conservation Service

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

Approved *Howard W. Ward* Date *7/17/73*



PROFILE
Scale: Horiz. 1"=50'
Vert. 1"=5'



Cross - Section

Note: Stone shall be 2" to 4" in diameter.

STONE FILTER BERM DETAIL

No Scale

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE *7/17/73*
Howard W. Ward

CLARK • FINEPROCK & SACKETT ENGINEERS • PLANNERS • SURVEYORS		11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 • (301) 593 3400
DESIGNED D.A.B.	SEDIMENT & EROSION CONTROL PLAN LOT A-2	SCALE As Shown
DRAWN Suzan	COLUMBIA	DRAWING 10 of 1
CHECKED G.N.C.	VILLAGE OF HARPER'S CHOICE SECTION 5 AREA 3 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 73-579
DATE June, 1973	FOR: J. DAVID EVANS, Associates, Inc. 5321 Light House Court Columbia, Md. 21044	FILE NO. 1110-D