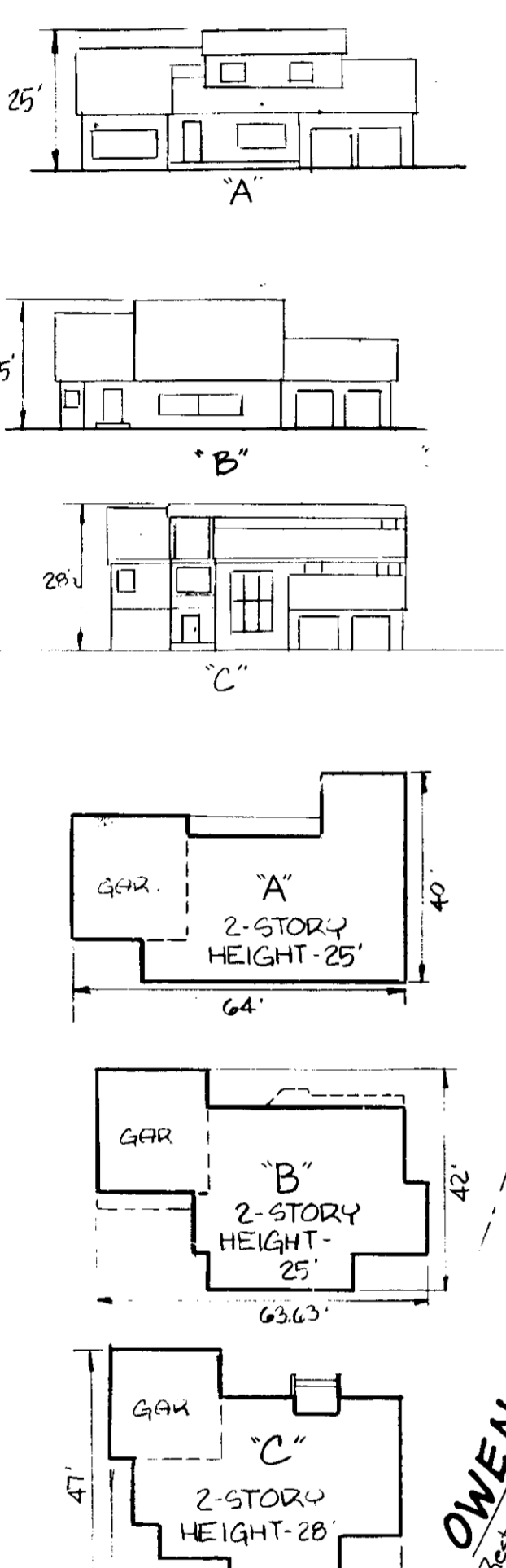
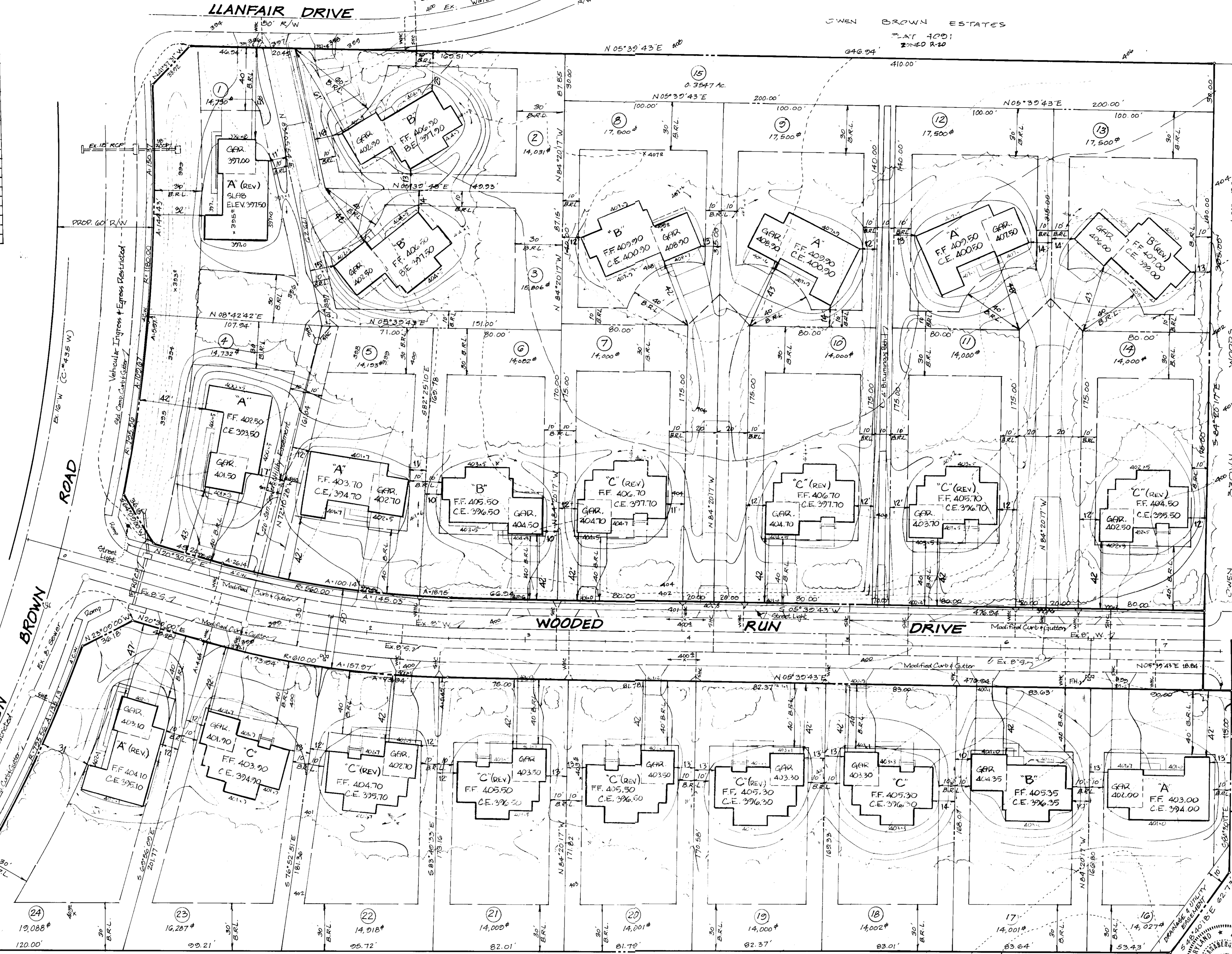
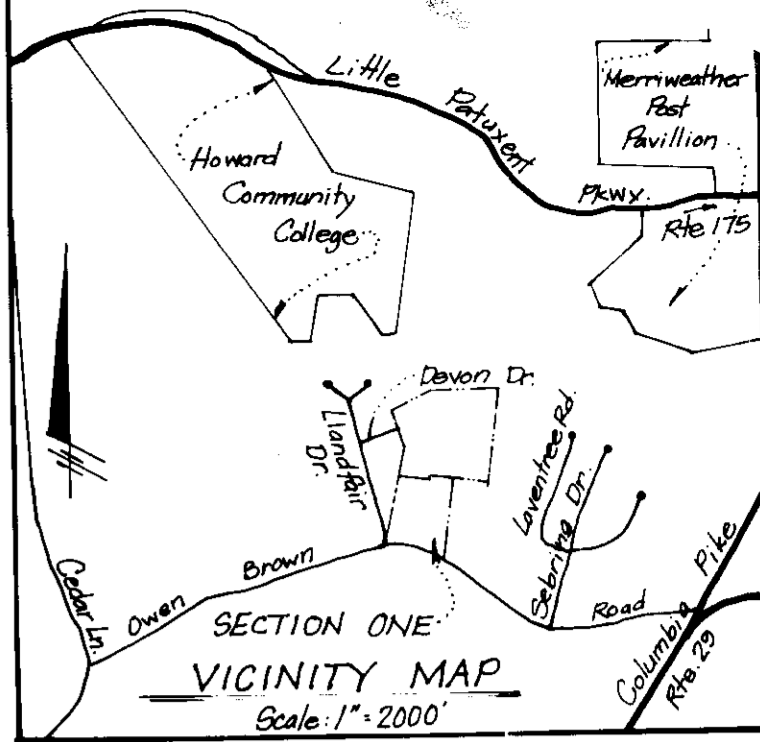


LOT-Nº	STREET ADDRESS
1	6199 Llanfair Drive
2	6191
3	6193
4	6196 Wooded Run Drive
5	6192
6	6188
7	6184
8	6180
9	6176
10	6172
11	6168
12	6164
13	6160
14	6156
15	6152
16	6148
17	6144 Wooded Run Drive
18	6140
19	6136
20	6132
21	6128
22	6124
23	6120
24	6116



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

Approved: *Richard J. Jones* Date 5-16-86
Howard S.C.D.

- GENERAL NOTES**
- Zoning = R-20
 - Total Area = Section One = 9.0283 AC.
 - Area of Lots = 24 lots = 7.9874 AC.
 - Area of Roads = 1.0409 AC.
 - Area of Open Space:
 - No 100 year flood plain.
 - Net Open Space provided = 15,400 sq ft or 0.351 ac.
 - Open Space will be met in Overall Subdivision.
 - Property on Tax Map 36, Parcel 113.
 - Property on Soils Map #24, Predominant Soils B-B2, B-C2, G1A, G1B2.
 - Max. Grade slope 2:1.
 - Min. grade slope 2%.
 - See Sheet # of for sediment control.
 - Total disturbed area:
 - Based on boundary & topographic survey by Development Consultants Group, Inc., dated 12/1983.
 - Benchmarks: BM 74, NAD 83, elev. 447.20, Elev. 396.99. BM 75, NAD 83, elev. 399.53.
 - See VP 84-129 & VP 85-197.

Reviewed for: *H.O.W.A.R.C.* Date 5-16-86
Name: *John M. Allen*
and meets Technical Requirements
Signature: *John M. Allen* Date 5-16-86
U.S. Soil Conservation Service

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT.
Joseph J. Jones Date 5-21-86
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
Thomas J. Smith Date 5-22-86
DATE
John P. Muehlen Date 5-22-86
DATE
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
W. F. Nemy Date 5-19-86
DATE
William R. Ryan Date 5-19-86
DATE
CHIEF, BUREAU OF ENGINEERING

"I CERTIFY THAT THIS PLAN FOR AND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE ADVISED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THIS FOND WITHIN 30 DAYS OF COMPLETION."

DEVELOPER'S CERTIFICATE
"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THE FOND WITHIN 30 DAYS OF COMPLETION."

SUBDIVISION NAME OWEN BROWN WOODS		SECT./AREA 1/1	LOT/PARCEL LOTS 1-24
PLAT OR L/E 2204 & 2205	BLOCK 7	ZONE R-20	TAX MAP 36
WATER CODE W-F28	BEWER CODE 5-32-1420	FE. EC. DIST. 5	CENSUS TR. 6093-02
OWNER VIERS, INC. ROSLYNN GOLDBERG 8600 KELLER AVE. STEVENSON, MD. 21153 301-486-6330	No.	REVISIONS	DATE

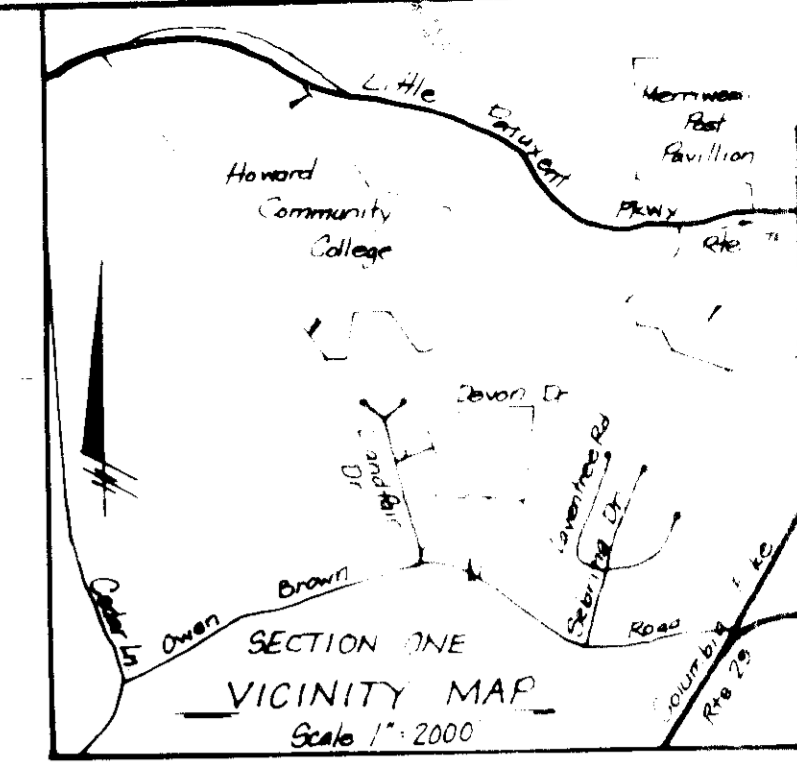
APPROVED: *Shanaberger + Lane* Date 4-28-86
DIVISION OF LAND
PLAN
Scale: 1"=30'
D.L. METZLER
ZONED R-20
TAX MAP 36, PARCEL 152

SHANABERGER + LANE
8450 BALTIMORE NAT'L PIKE
ELLICOTT CITY, MD. 21043
(301) 461-9563

SITE DEVELOPMENT PLAN
Section One, Area One
OWEN BROWN WOODS, LOTS 1-14 & LOTS 16-24
50 ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TAX MAP 36 PARCEL 113

Date 4/2/86	Sheet 1
Drawn GFA	of 3
Checked RFL	Project No. 85-58
Scale 1"=30'	

SDP-86-211



EX. SEDIMENT BASIN #3
 BOTTOM ELEV. : 392.25
 CLEANOUT ELEV. : 394.20

Check for How 412 B.S. & S.
 Name
 Date 5-16-86
 Signature
 Howard S.C.D.

THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD SOIL
 CONSERVATION DISTRICT.
 Approved [Signature] Date 5-16-86
 Howard S.C.D.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
[Signature] DATE 5-21-86
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY OFFICE OF PLANNING & ZONING
[Signature] DATE 5-22-86
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] DATE 5-19-86
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] DATE 5-19-86

SEDIMENT TRAP #3 (S.D.S.T.)
 DA: 25 AC.
 VOL. REQUIRED: 4600 FT³
 BOTTOM DIMENSIONS: 21'x50'
 DEPTH: 3'
 SIDES: 2:1
 VOL. PROVIDED: 4644 FT³
 BOTTOM ELEV.: 396.0
 CREST ELEV.: 399.0

SEDIMENT TRAP #2 (S.D.S.T.)
 DA: 06 AC.
 VOL. REQUIRED: 1080 FT³
 BOTTOM DIMENSIONS: 10'x15'
 DEPTH: 3'
 SIDES: 2:1
 VOL. PROVIDED: 1116 FT³
 BOTTOM ELEV.: 394.00
 CREST ELEV.: 397.00

APPROVED
 4-28-86
[Signature]

I CERTIFY THAT THIS PLAN FOR ROAD CONSTRUCTION, EROSION AND SEDIMENT CONTROL, REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE AND THE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE ADVISED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THE ROAD WITHIN 30 DAYS OF COMPLETION.

DEVELOPER'S CERTIFICATE
 I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION RESPONSIBILITIES INVOLVED IN THE CONSTRUCTION OF THIS PROJECT WILL BE FULLY COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE ADVISED THE DISTRICT THAT I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THE ROAD WITHIN 30 DAYS OF COMPLETION.



SEDIMENT TRAP #1 (S.D.S.T.)
 DA: 06 AC.
 VOL. REQ. 1080 FT³
 BOTTOM DIMENSIONS: 10'x15'
 DEPTH: 3'
 SIDES: 2:1
 VOL. PROVIDED: 1116 FT³
 BOTTOM ELEV.: 394.00
 CREST ELEV.: 397.00

SUBDIVISION NAME OWEN BROWN WOODS		SECT./AREA ONE	LIV./ACRES 115
PLAT OR L.P. BLOCK	ZONE R-30	DRAWN BY	DATE 5-16-86
WATER CODE:		SEWER CODE:	
OWNER: UNERS, INC. ROSLYNN GOLDBERG 8000 KELLER AVE STEVENSON, MD 21153 301-466-6500	No.	REVISIONS	DATE

PLAN
 Scale 1"=30'

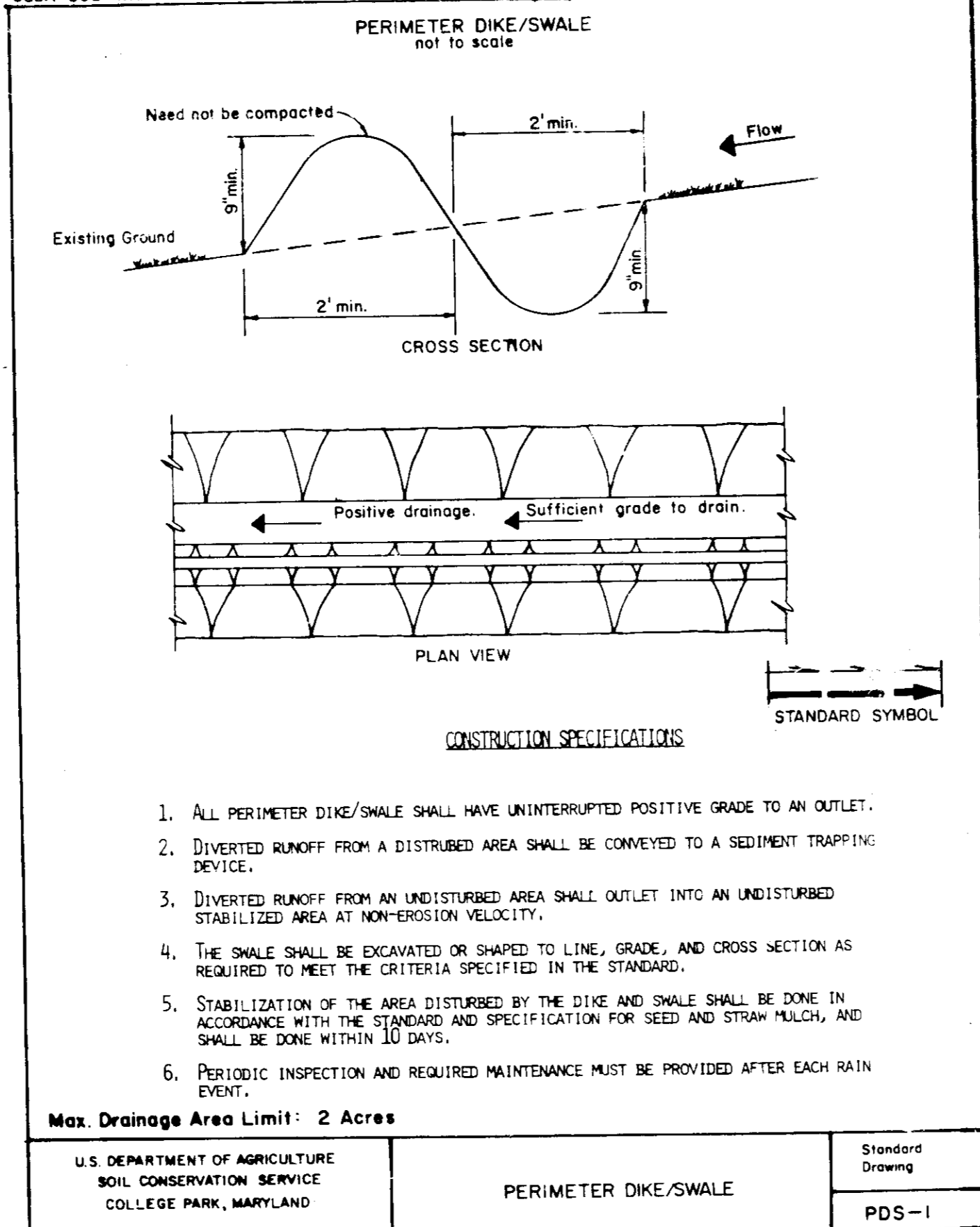
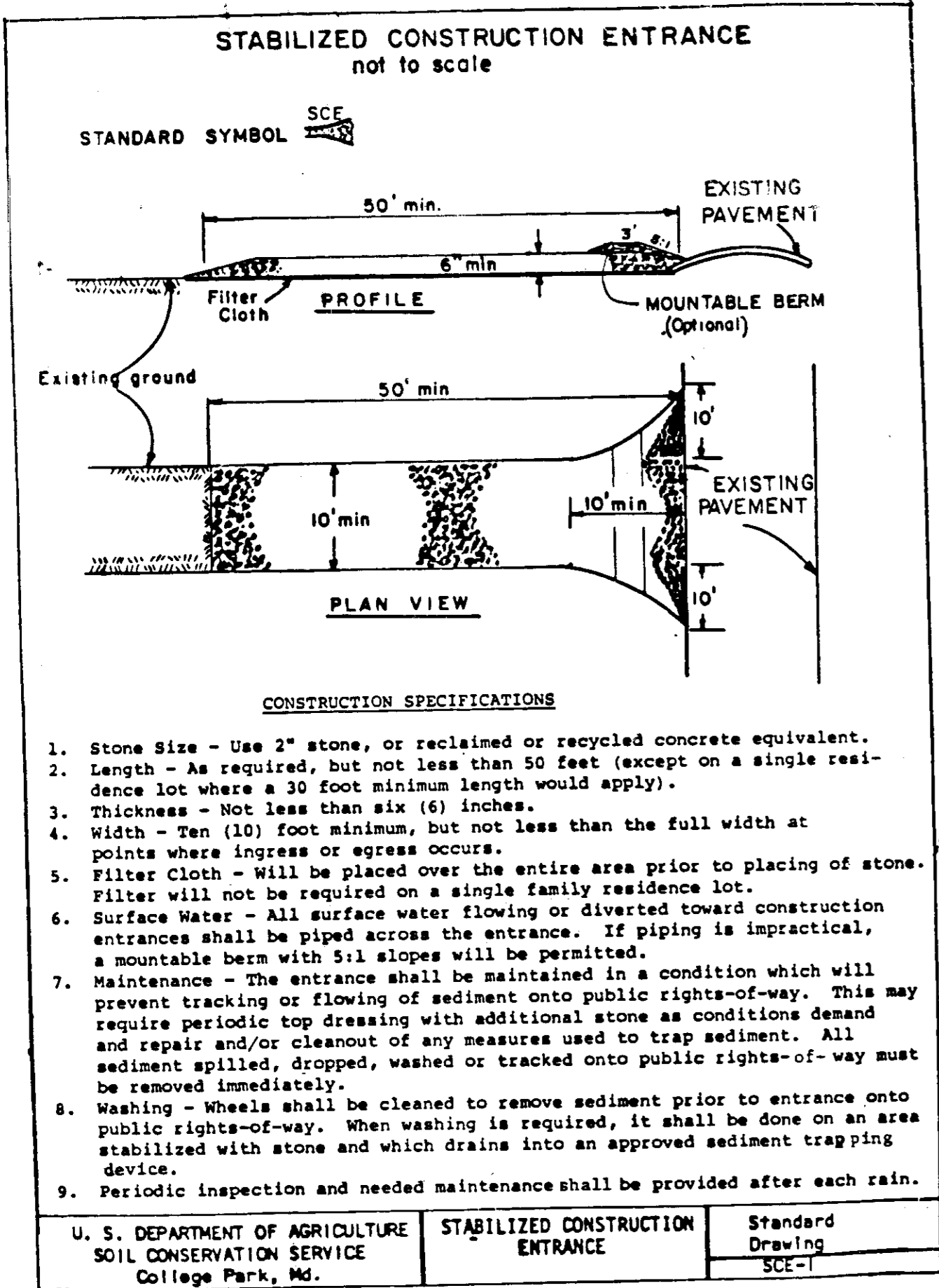
SHANABERGER & LANE
 8480 Balt. Nat'l. Pike
 Elkport City
 Maryland 21043
 301-461-9563

SEDIMENT CONTROL PLAN
 Surface One, Area One
 OWEN BROWN WOODS, LOTS 1-14 & LOTS 16-24
 58 ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 TRX MAP 38 PARCEL 113

Date
 4/1/86
 Drawn
 CFB
 Checked
 SFB
 Scale
 1"=30'

Sheet
 2
 of 3
 Project No.
 85-58

SDP-86-211



PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (24 lbs/1000 sq ft) before seeding. **Narrow or disc into upper three inches of soil.** At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (24 lbs/1000 sq ft) before seeding. **Narrow or disc into upper three inches of soil.**

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching - Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseeding.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

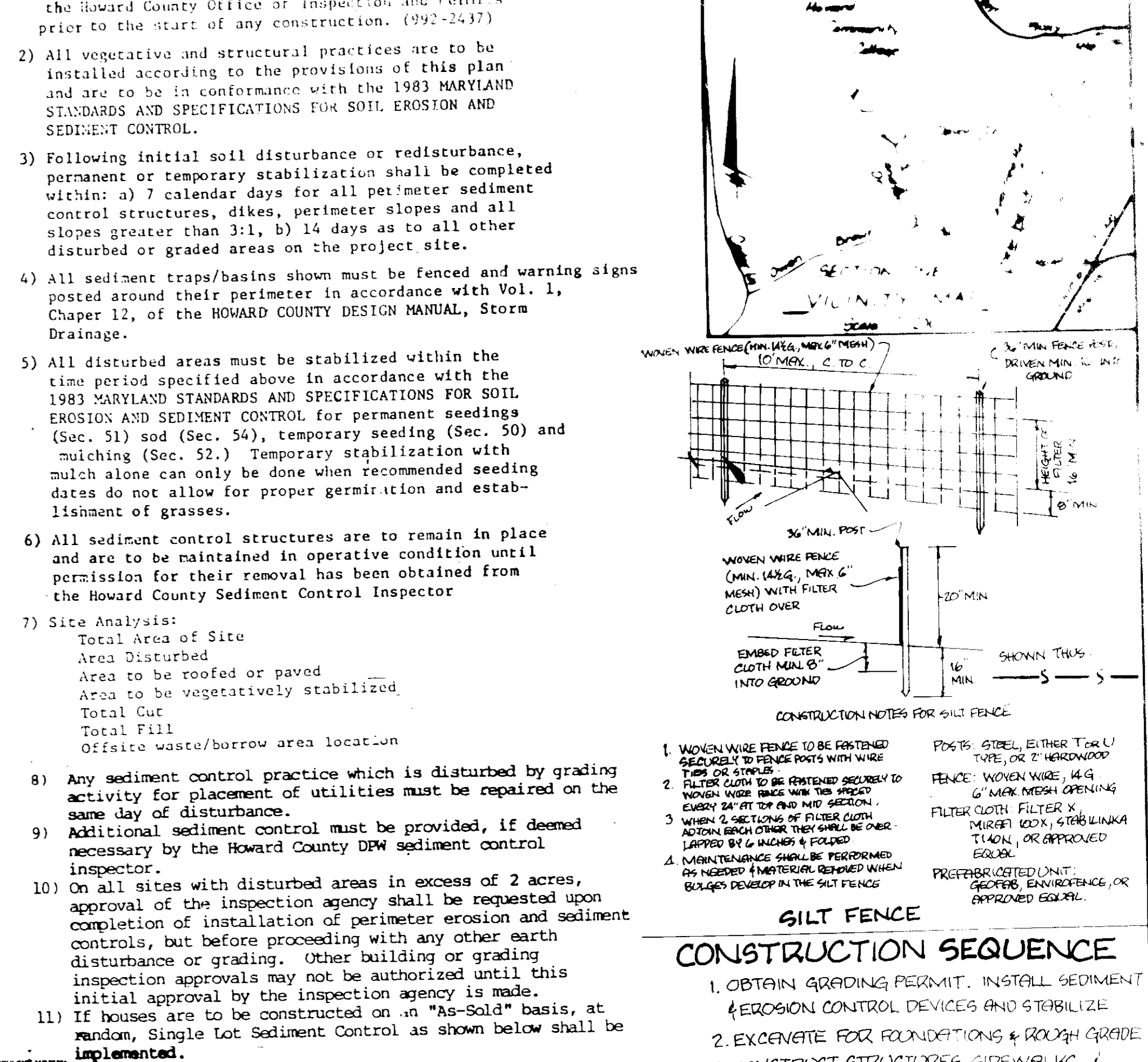
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)

Seeding - For periods March 1 thru April 30 and from August 15 thru November 15, seed with 24 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

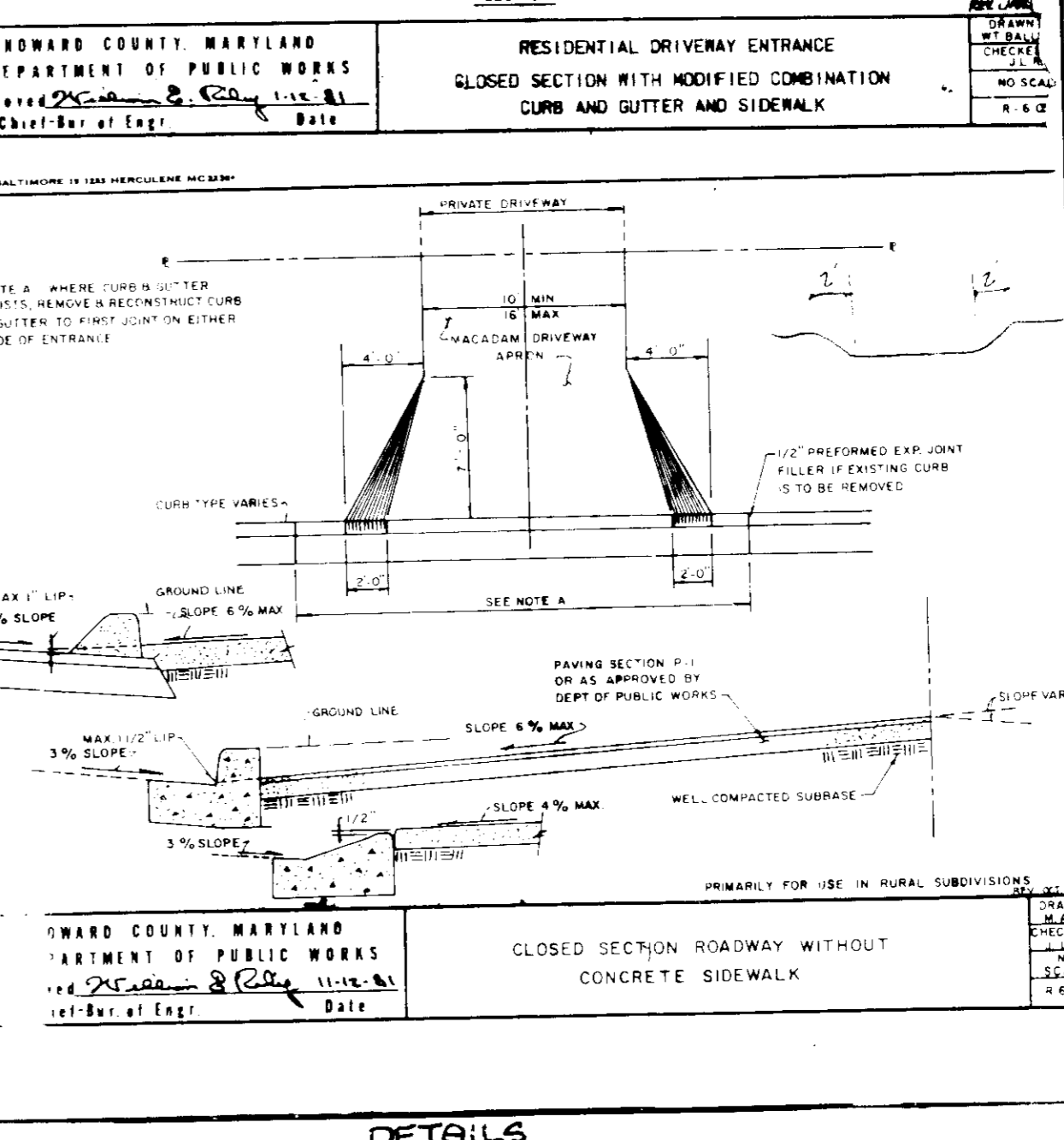
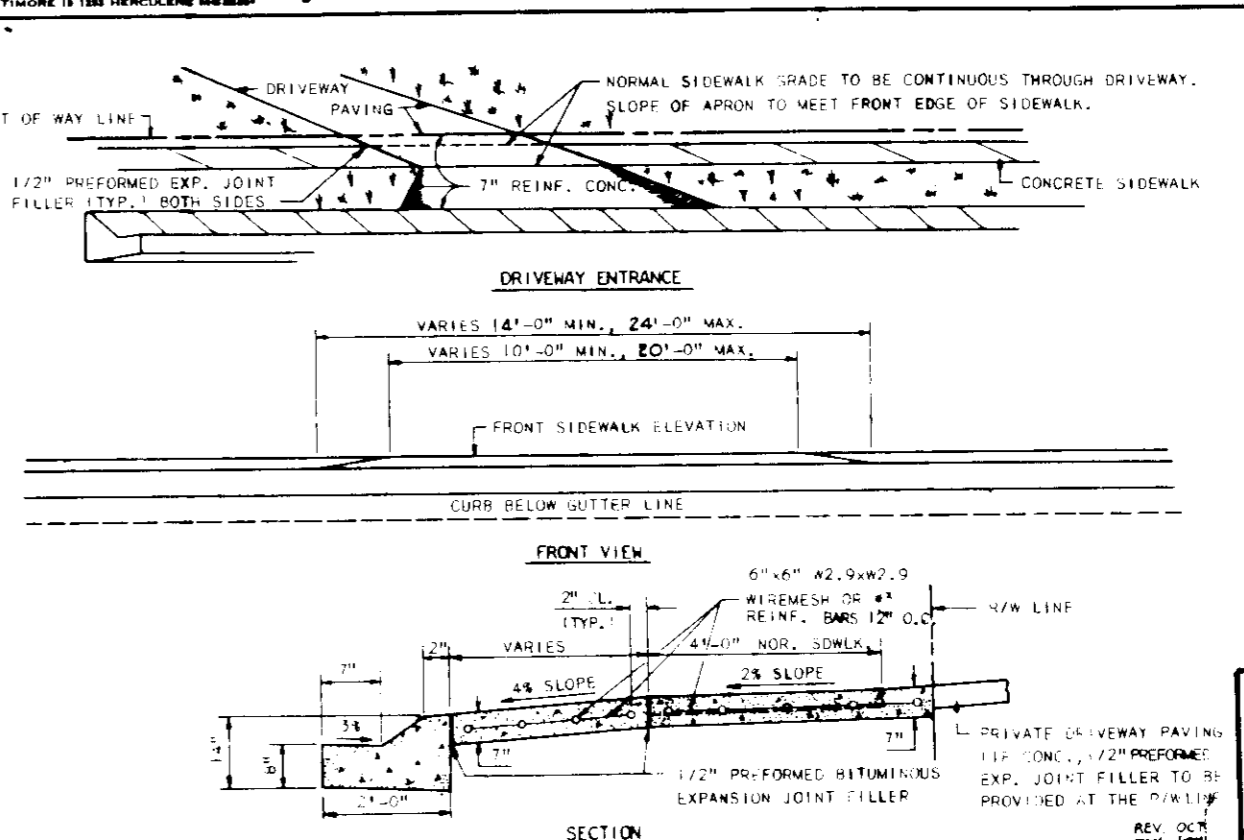
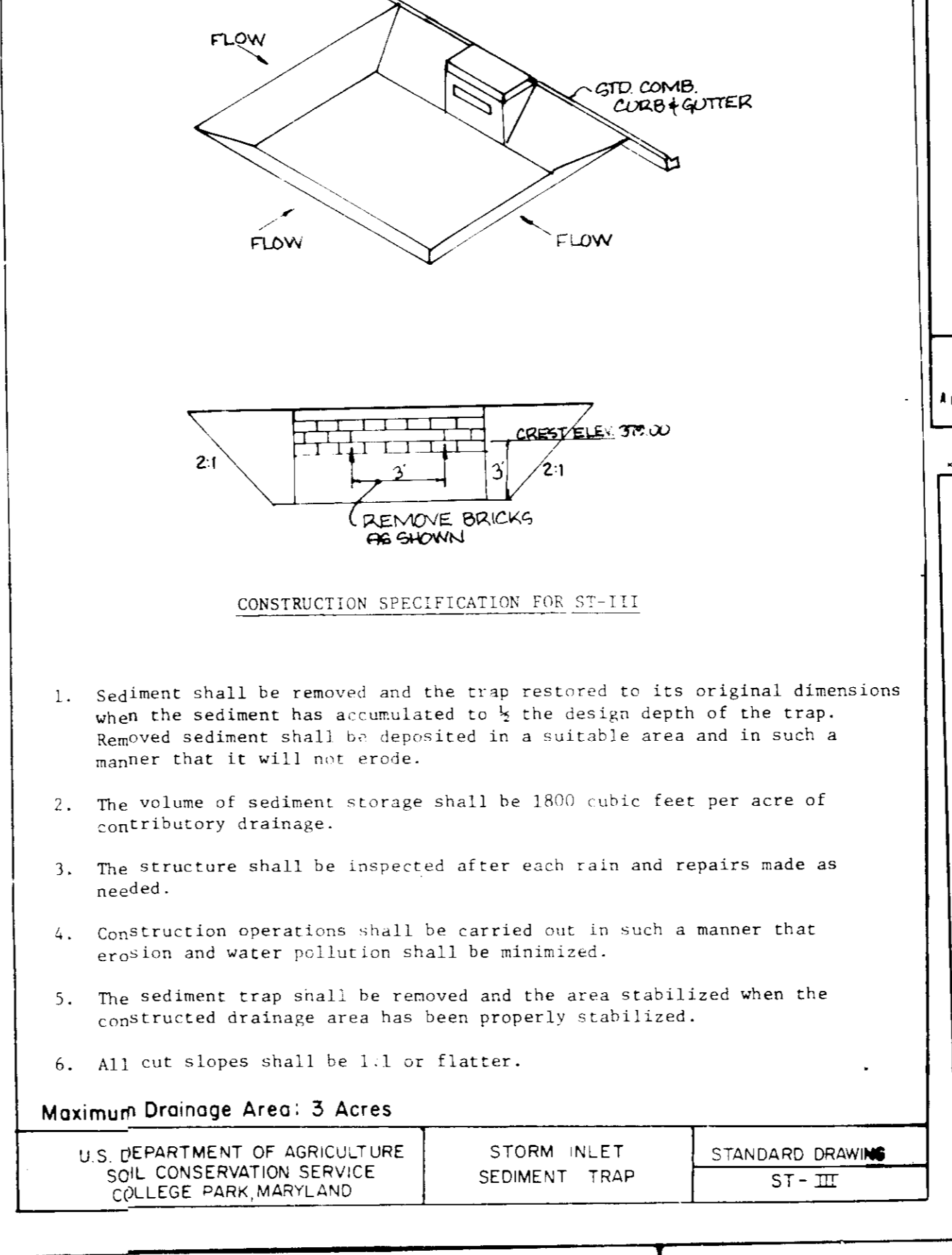
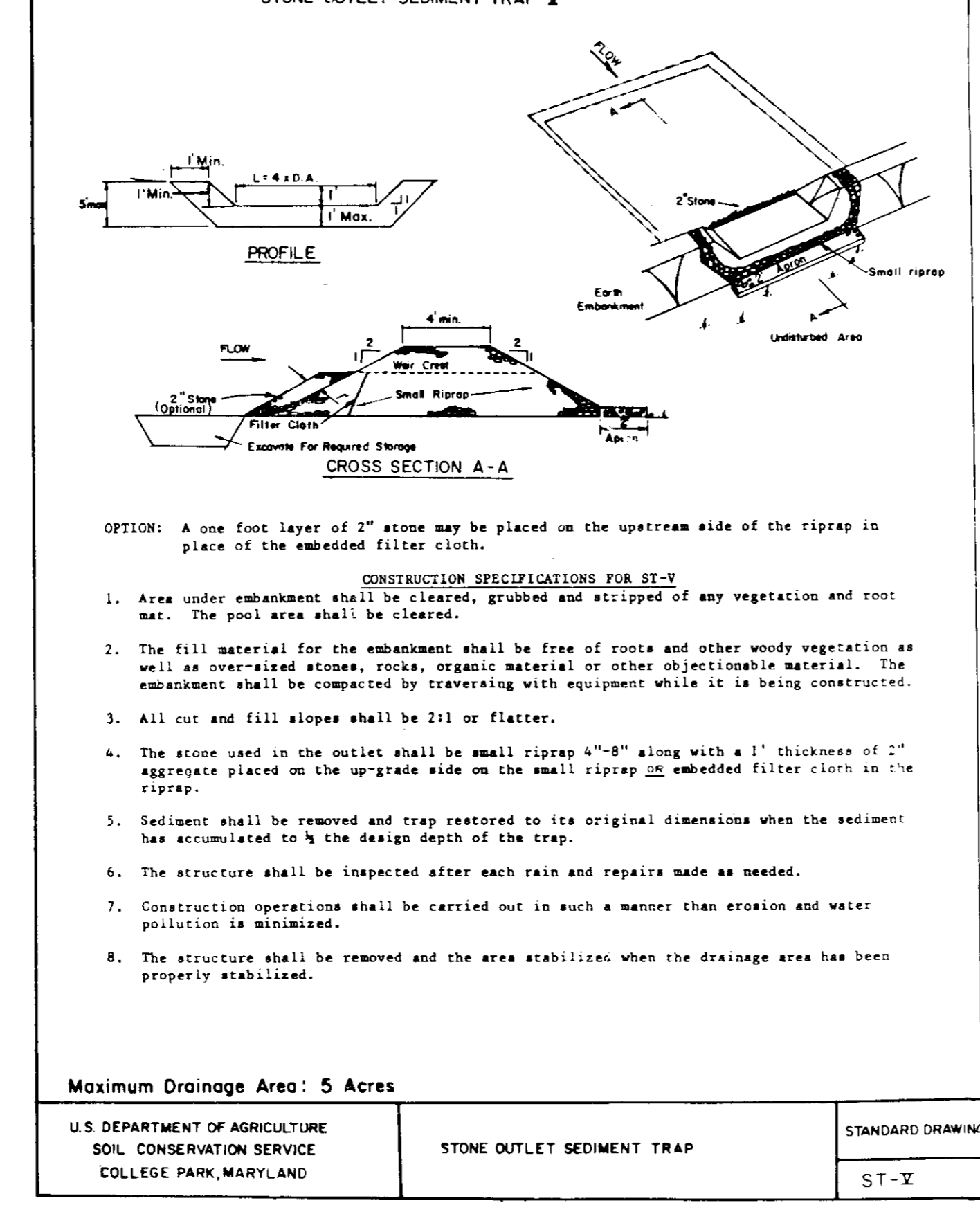
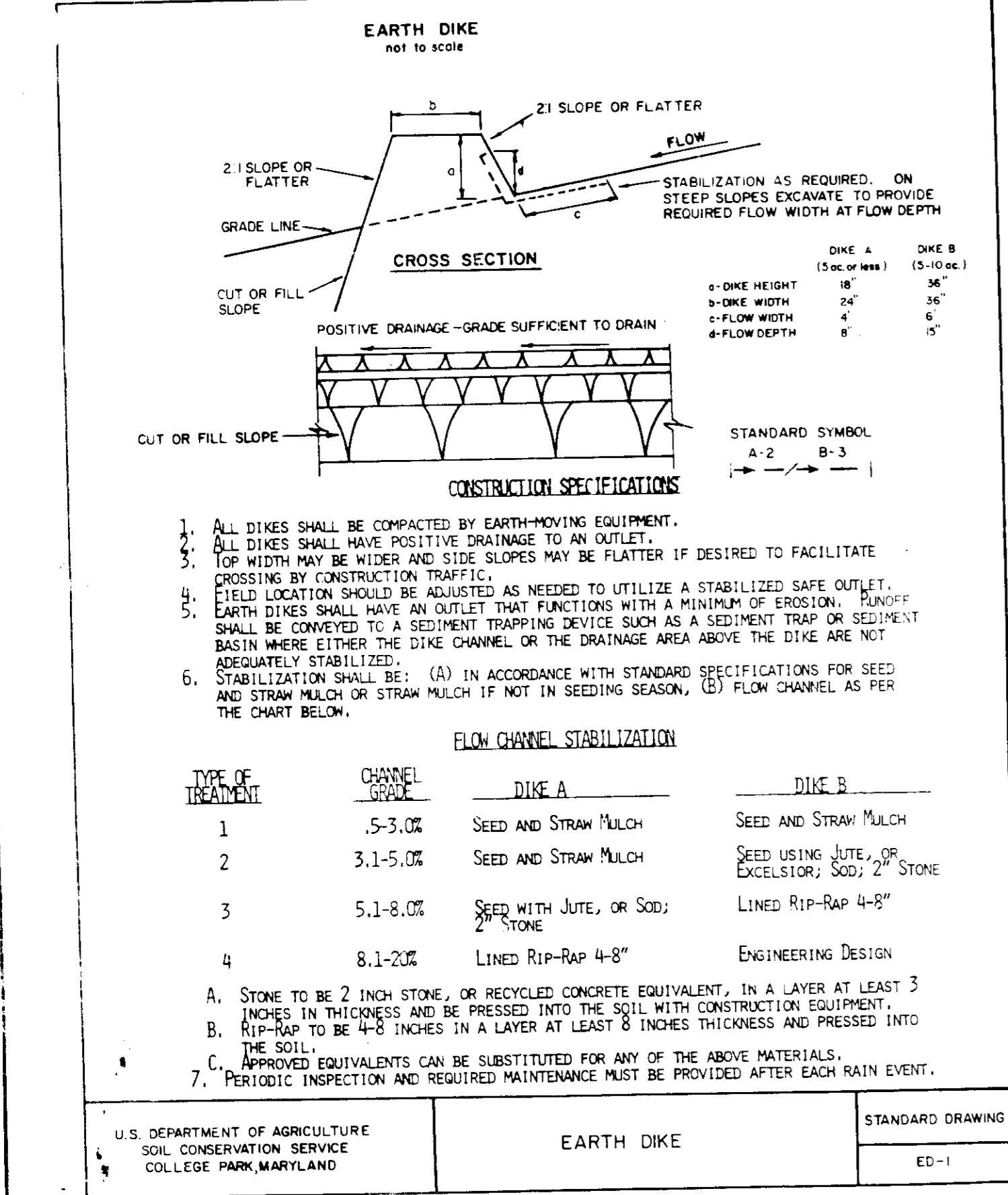
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.



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

Approved: *[Signature]* Date: 5-16-86
Howard S.C.D.

4-28-86



DETAILS
OWEN BROWN WOODS, LOTS 1-14 & LOTS 16-24

OWNERS: JIERS, INC.
ROSLYNN GOLDBERG
8609 KELLER AVE.
STEVENSON, MD 21153
301-486-6390

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC WORKS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

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