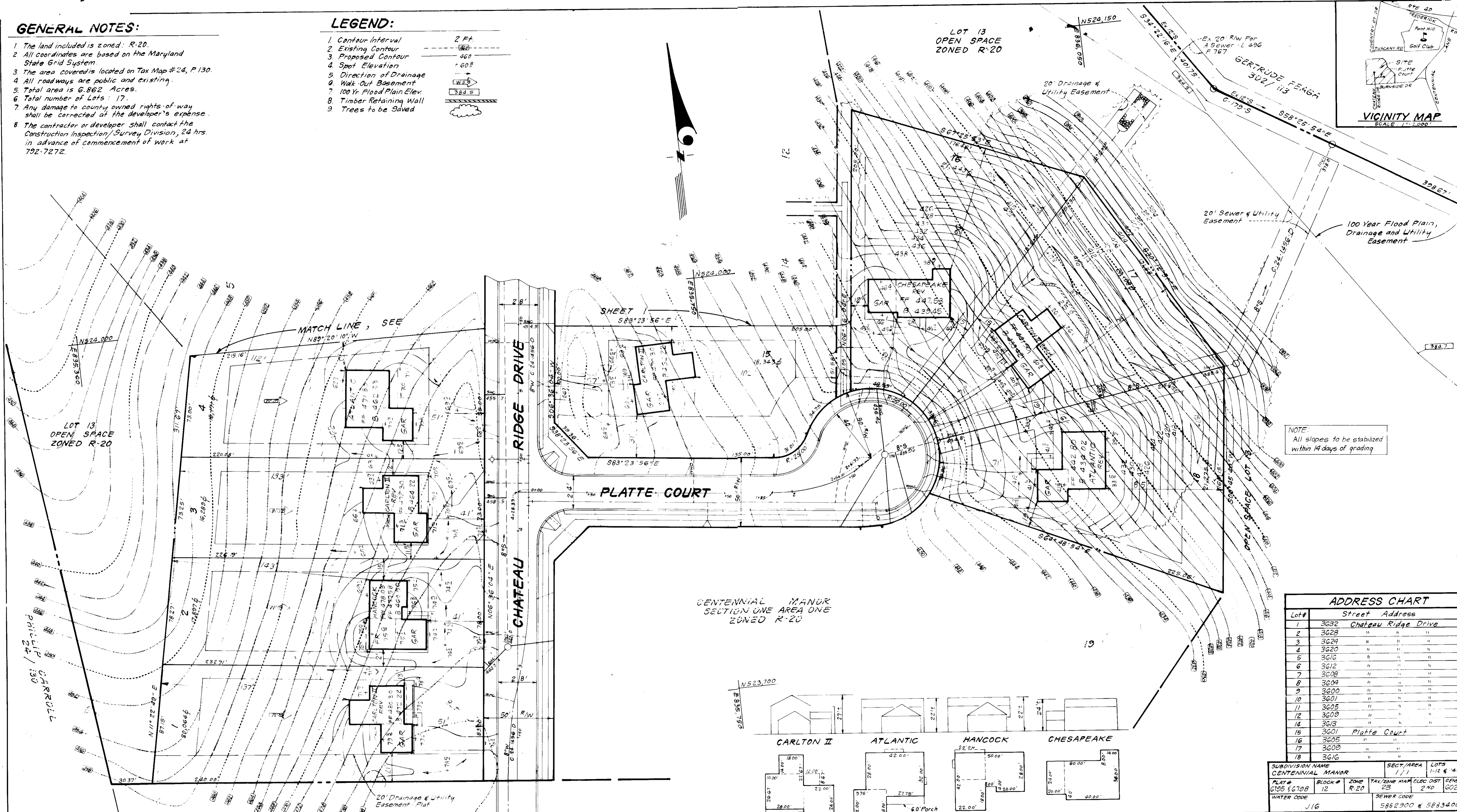


GENERAL NOTES:

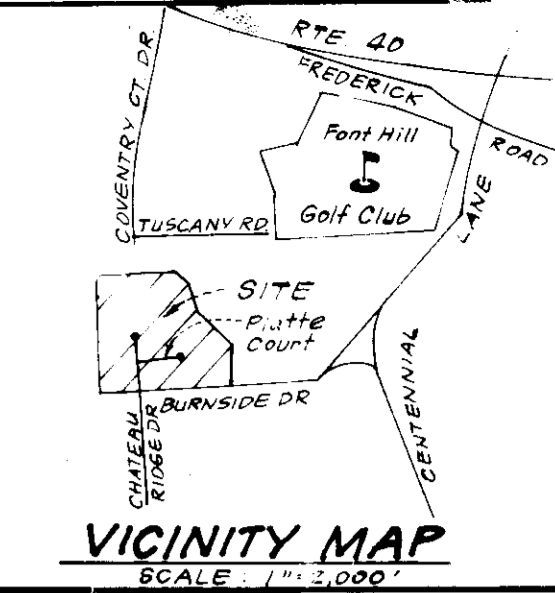
1. The land included is zoned: R-20.
2. All coordinates are based on the Maryland State Grid System.
3. The area covered is located on Tax Map # 24, P. 130.
4. All roadways are public and existing.
5. Total area is 6.862 Acres.
6. Total number of Lots: 17.
7. Any damage to county owned rights of way shall be corrected at the developer's expense.
8. The contractor or developer shall contact the Construction Inspection/Survey Division, 24 hrs in advance of commencement of work at 792-7272.

LEGEND:

1. Contour Interval 2 FT
2. Existing Contour
3. Proposed Contour
4. Spot Elevation
5. Direction of Drainage
6. Walk-Out Basement
7. 100 Yr. Flood Plain Elev.
8. Timber Retaining Wall
9. Trees to be Saved



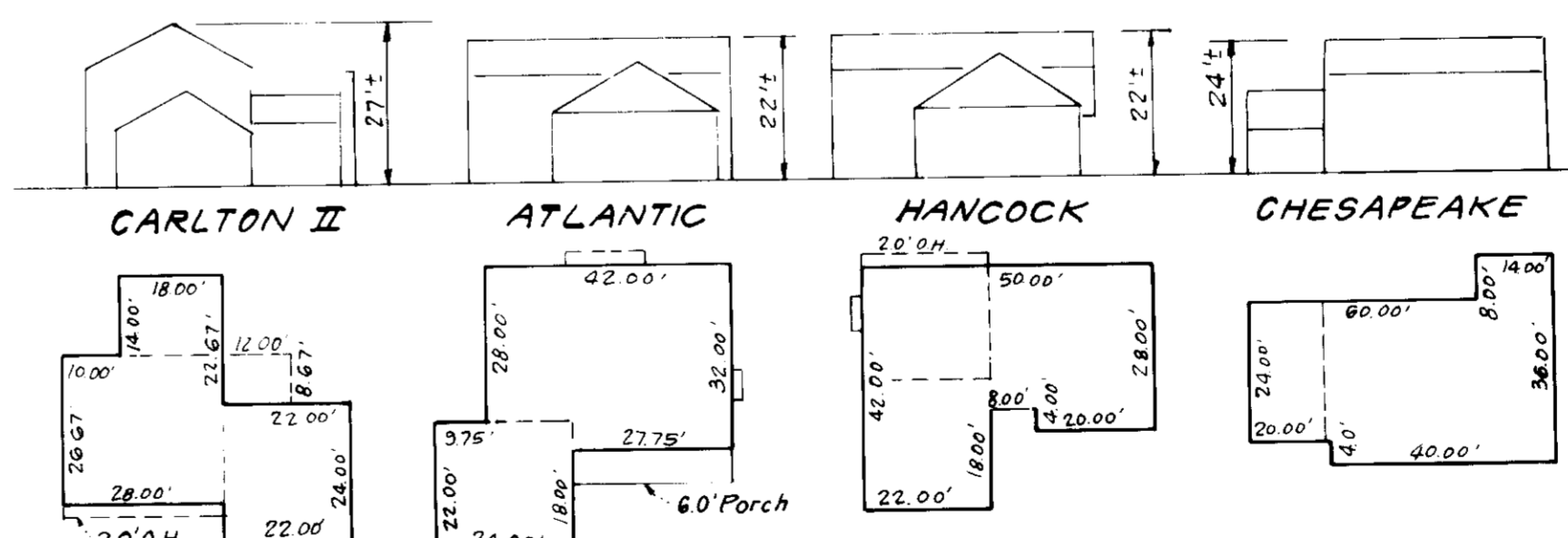
NOTE:
All slopes to be stabilized within 14 days of grading.



ADDRESS CHART

Lot #	Street Address
1	3632 Chateau Ridge Drive
2	3628 " " " "
3	3624 " " " "
4	3620 " " " "
5	3616 " " " "
6	3612 " " " "
7	3608 " " " "
8	3604 " " " "
9	3600 " " " "
10	3601 " " " "
11	3605 " " " "
12	3600 " " " "
14	3613 " " " "
15	3601 Platte Court
16	3605 " " " "
17	3600 " " " "
18	3616 " " " "

SUBDIVISION NAME	SECT./AREA	LOTS
CENTENNIAL MANOR	1/1	1-12 & 14-18
PLAT #	BLOCK #	ZONE
6195 & 6798	12	R-20
TAX MAP	PREC. DIST.	CENSUS TR.
23	2ND	6023.01
WATER CODE	SEWER CODE	
J16	5892900 & 5893400	



TYPICAL HOUSES
NO SCALE

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 7-25-86
 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
 DIRECTOR _____ DATE _____
 CHIEF BUREAU OF ENGINEERING _____ DATE _____

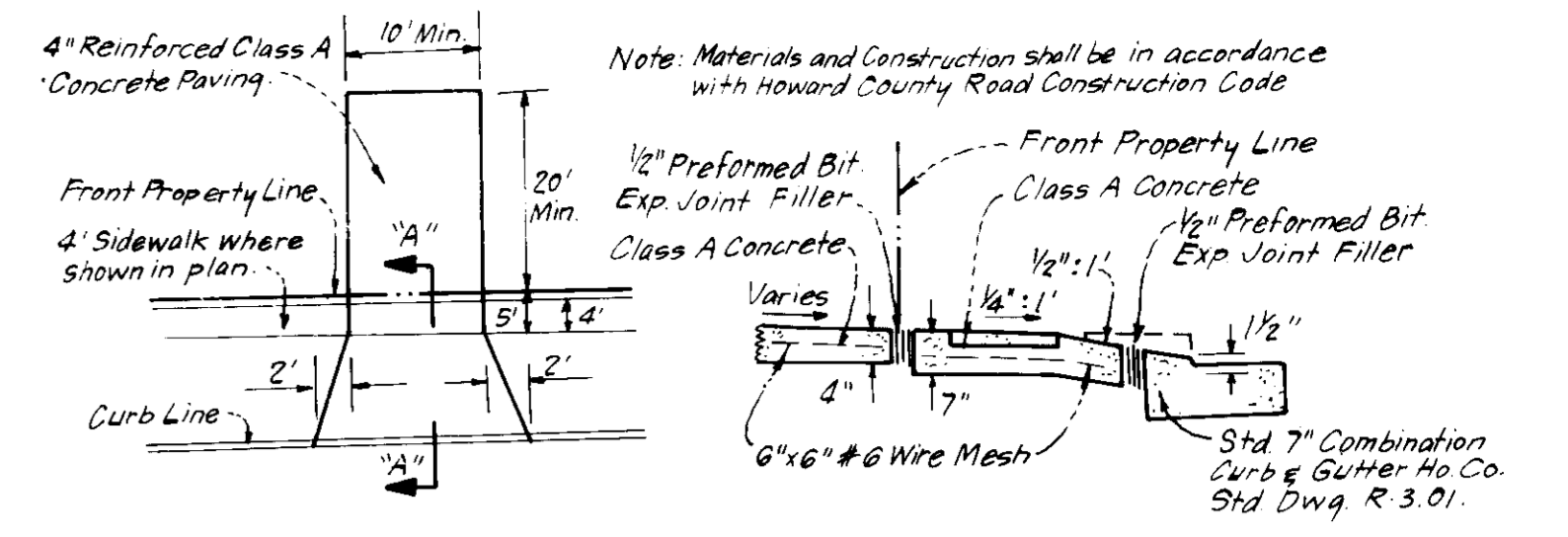
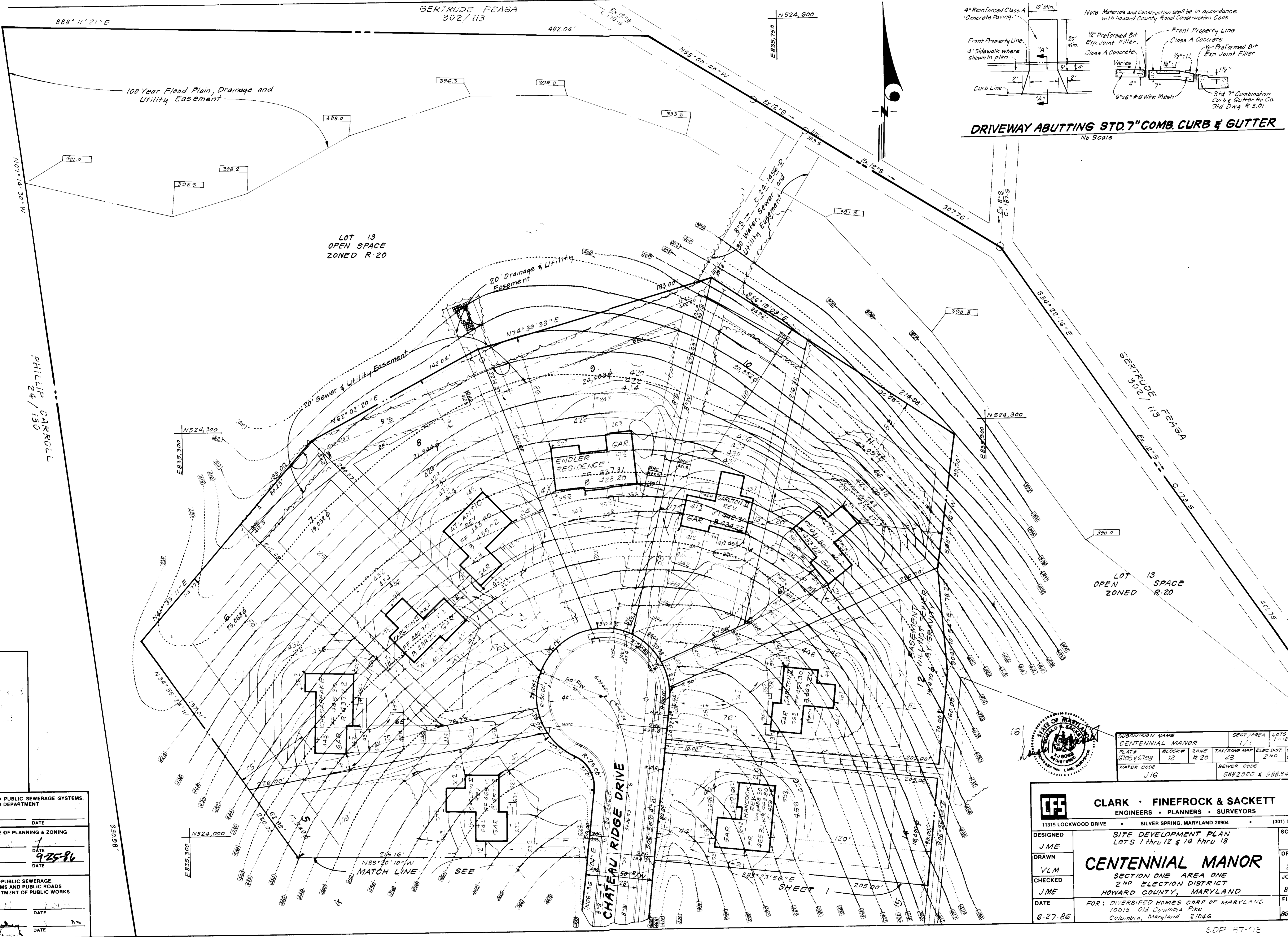
8-27-86

CHATEAU SECTION P8 21 ZONED
 RIDGE THREE P11 R-20

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

DESIGNED	JME	SCALE	1" = 30'
DRAWN	VLM	DRAWING	1 OF 5
CHECKED	JME	JOB NO.	86-048
DATE	6-27-86	FILE NO.	86-048

CENTENNIAL MANOR
 SECTION ONE AREA ONE
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: DIVERSIFIED HOMES CORP. OF MARYLAND
 10015 Old Columbia Pike
 Columbia, Maryland 21046



DRIVEWAY ABUTTING STD. 7" COMB. CURB & GUTTER
No Scale

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
HOWARD COUNTY HEALTH DEPARTMENT
8-27-86
[Signature]

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

COUNTY HEALTH OFFICER _____ DATE _____

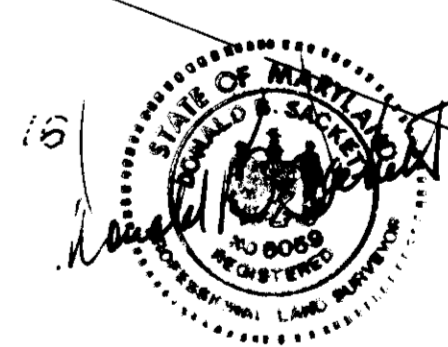
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE 8-25-86
[Signature]

PLANNING DIRECTOR
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

DIRECTOR _____ DATE _____

CHIEF BUREAU OF ENGINEERING _____ DATE _____



SUBDIVISION NAME CENTENNIAL MANOR		SECT./AREA 1/1	LOTS 1-12 & 14-18
PLAT # 6785 & 6788	BLOCK # 12	ZONE R-20	TAX/ZONE MAP 23
ELEC. DIST. 24D		CENSUS TR. 6023.01	
WATER CODE J16		SEWER CODE 5882900 & 5883400	

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

DESIGNED: JME
DRAWN: VLM
CHECKED: JME
DATE: 6-27-86

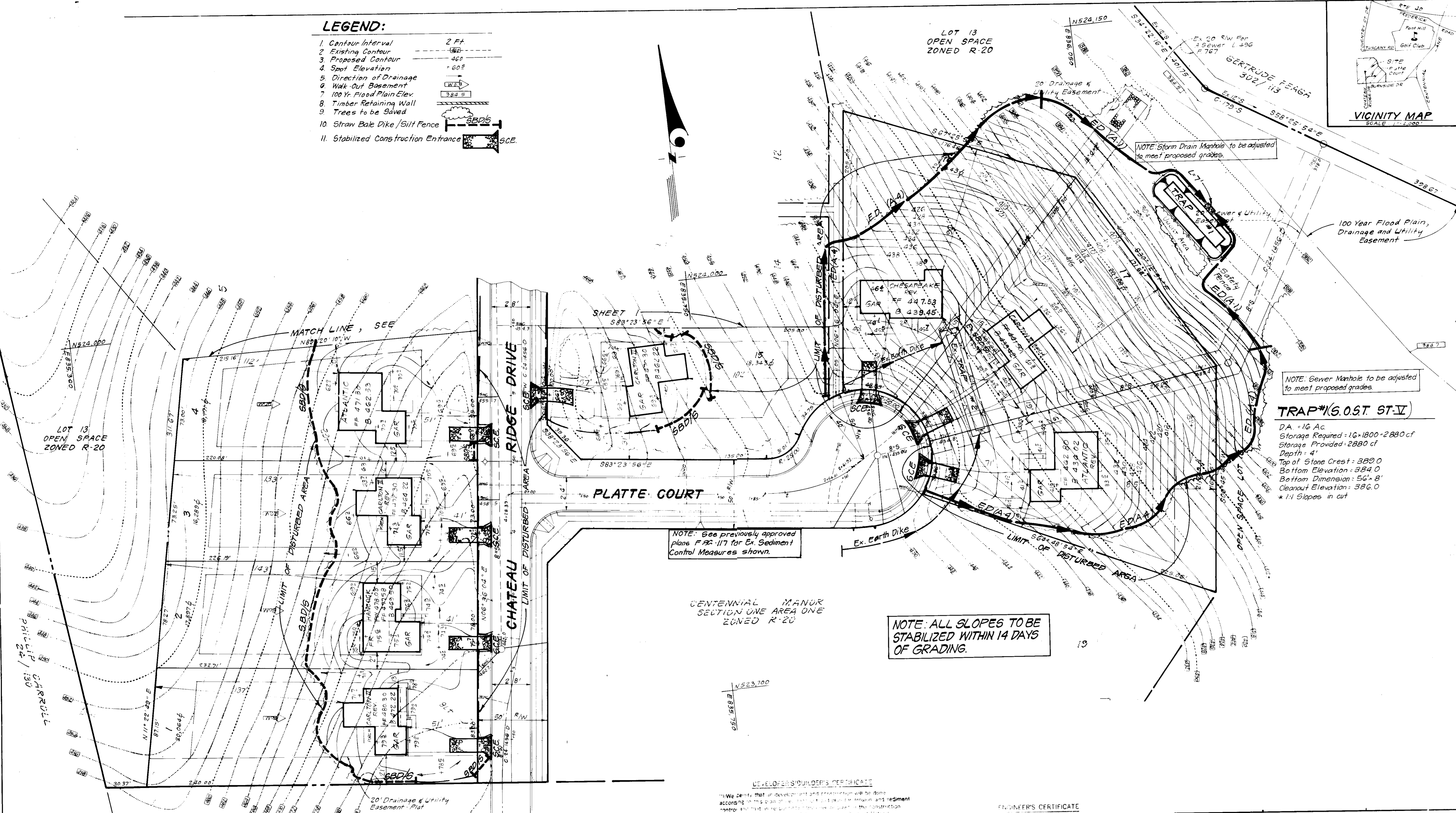
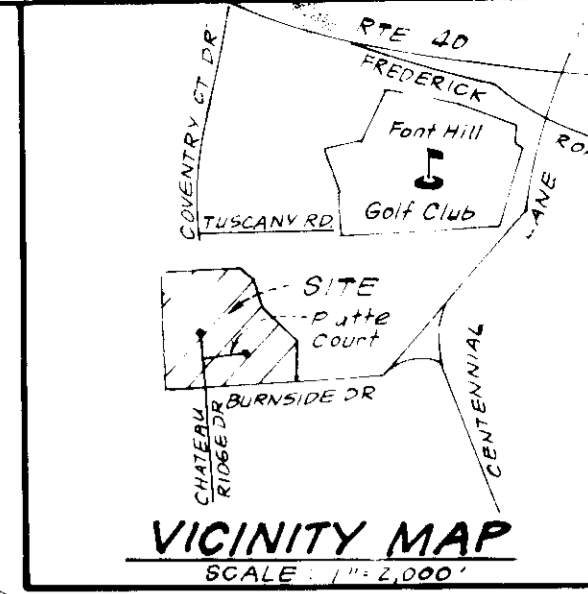
CENTENNIAL MANOR
SECTION ONE AREA ONE
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: DIVERSIFIED HOMES CORP. OF MARYLAND
10015 Old Columbia Pike
Columbia, Maryland 21046

SCALE: 1" = 30'
DRAWING: 2 OF 5
JOB NO.: 86-048
FILE NO.: 86-048-X

LEGEND:

1. Contour Interval 2 FT
2. Existing Contour
3. Proposed Contour
4. Spot Elevation
5. Direction of Drainage
6. Walk-Out Basement
7. 100 Yr. Flood Plain Elev.
8. Timber Retaining Wall
9. Trees to be Saved
10. Straw Bale Dike/Silt Fence
11. Stabilized Construction Entrance



NOTE: Sewer Manhole to be adjusted to meet proposed grades.

TRAP #1 (6.0 ST. ST-V)
 D.A. = 16 AC
 Storage Required = 16 x 1800 = 28800 cf
 Storage Provided = 28800 cf
 Depth = 4'
 Top of Stone Crest = 389.0
 Bottom Elevation = 384.0
 Bottom Dimension = 56' x 8'
 Cleanout Elevation = 386.0
 * 1:1 Slopes in cut

NOTE: See previously approved plans F 20-117 for Ex. Sediment Control Measures shown.

NOTE: ALL SLOPES TO BE STABILIZED WITHIN 14 DAYS OF GRADING.

CENTENNIAL MANOR SECTION ONE AREA ONE ZONED R-20

DEVELOPER'S/OWNER'S CERTIFICATE
 We certify that all development and construction will be done according to the plan of subdivision and all other applicable laws and regulations and that the developer/owner has provided for the construction control and site stabilization measures required by the plan of subdivision and all other applicable laws and regulations. The plan of subdivision and all other applicable laws and regulations have been approved by the appropriate authorities and the developer/owner has provided for the construction control and site stabilization measures required by the plan of subdivision and all other applicable laws and regulations. The plan of subdivision and all other applicable laws and regulations have been approved by the appropriate authorities and the developer/owner has provided for the construction control and site stabilization measures required by the plan of subdivision and all other applicable laws and regulations.

ENGINEER'S CERTIFICATE
 I certify that the plan of subdivision and all other applicable laws and regulations have been approved by the appropriate authorities and the engineer has provided for the construction control and site stabilization measures required by the plan of subdivision and all other applicable laws and regulations. The plan of subdivision and all other applicable laws and regulations have been approved by the appropriate authorities and the engineer has provided for the construction control and site stabilization measures required by the plan of subdivision and all other applicable laws and regulations.

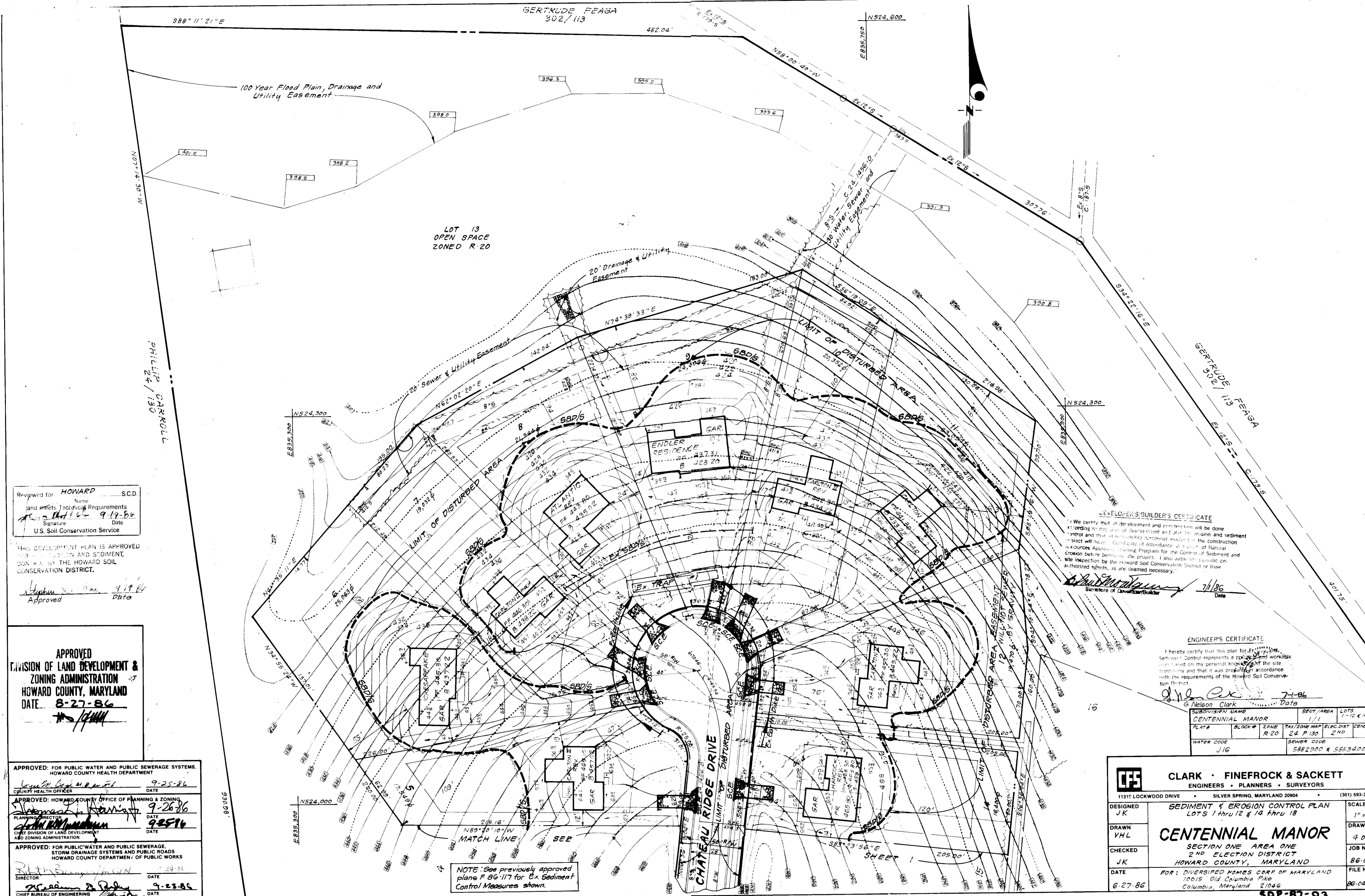
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 9-25-86
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: [Signature] DATE: 9-25-86
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 9-23-86
 CHIEF BUREAU OF ENGINEERING

APPROVED
 DIVISION OF LAND DEVELOPMENT
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 8-27-86

Reviewed for HOWARD SCD
 and meets Technical Requirements
 U.S. Soil Conservation Service
 Date: 8-27-86

RIDGE THREE R-II R-20
 APPROVED FOR CONSTRUCTION PERMIT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Approved: [Signature] Date: 8-27-86

CLARK · FINEFROCK & SACKETT ENGINEERS · PLANNERS · SURVEYORS 11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 (301) 593-3400		
DESIGNED JK	SEDIMENT & EROSION CONTROL PLAN LOTS 1 thru 12 & 14 thru 18 CENTENNIAL MANOR SECTION ONE AREA ONE 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: DIVERSIFIED HOMES CORP. OF MARYLAND 10015 Old Columbia Pike Columbia, Maryland 21046	SCALE 1" = 30' DRAWING 3 OF 5 JOB NO. 86-048 FILE NO. 86-0486E
DRAWN VHL		
CHECKED JK		
DATE 6-27-86		



Reviewed for HOWARD S.C.D.
 Name
 and meets Technical Requirements
 Signature Date
 U.S. Soil Conservation Service

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

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 8-27-86

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER DATE 9-25-86
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR DATE 9-26-86
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR DATE 9-23-86
 CHIEF BUREAU OF ENGINEERING

NOTE: See previously approved plans F 86-117 for Ex. Sediment Control Measures shown.

DEVELOPER'S/BUILDER'S CERTIFICATE
 I certify that all development and construction will be done according to the plan of design, layout and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a course of Natural Resources Approval Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize a periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.
 Signature of Developer/Builder Date 7/1/86

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Ex. 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.
 Signature Date 7-1-86

SUBDIVISION NAME	SECT. AREA	LOTS
CENTENNIAL MANOR	1/1	1-12 & 14-18
PLAT#	BLOCK#	ZONE
		R-20
TAX ZONE MAP	ELEC. DIST.	CENSUS TR.
	2ND	
WATER CODE	SEWER CODE	
J16	5882900 & 5883400	

CLARK · FINEFROCK & SACKETT ENGINEERS · PLANNERS · SURVEYORS 11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 593-3400		
DESIGNED	SEDIMENT & EROSION CONTROL PLAN LOTS 1 thru 12 & 14 thru 18 CENTENNIAL MANOR SECTION ONE AREA ONE 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: DIVERSIFIED HOMES CORP OF MARYLAND 10015 Old Columbia Pike Columbia, Maryland 21046	SCALE
DRAWN		1" = 30'
CHECKED		DRAWING
DATE		4 OF 5
		JOB NO.
	86-048	
	FILE NO.	
	86-048-S	

SDP-87-03

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 (14 lbs/1000 sq ft) before seeding. Harrow 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 (23 lbs/1000 sq ft) before seeding. Harrow 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.

Inspection - Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

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

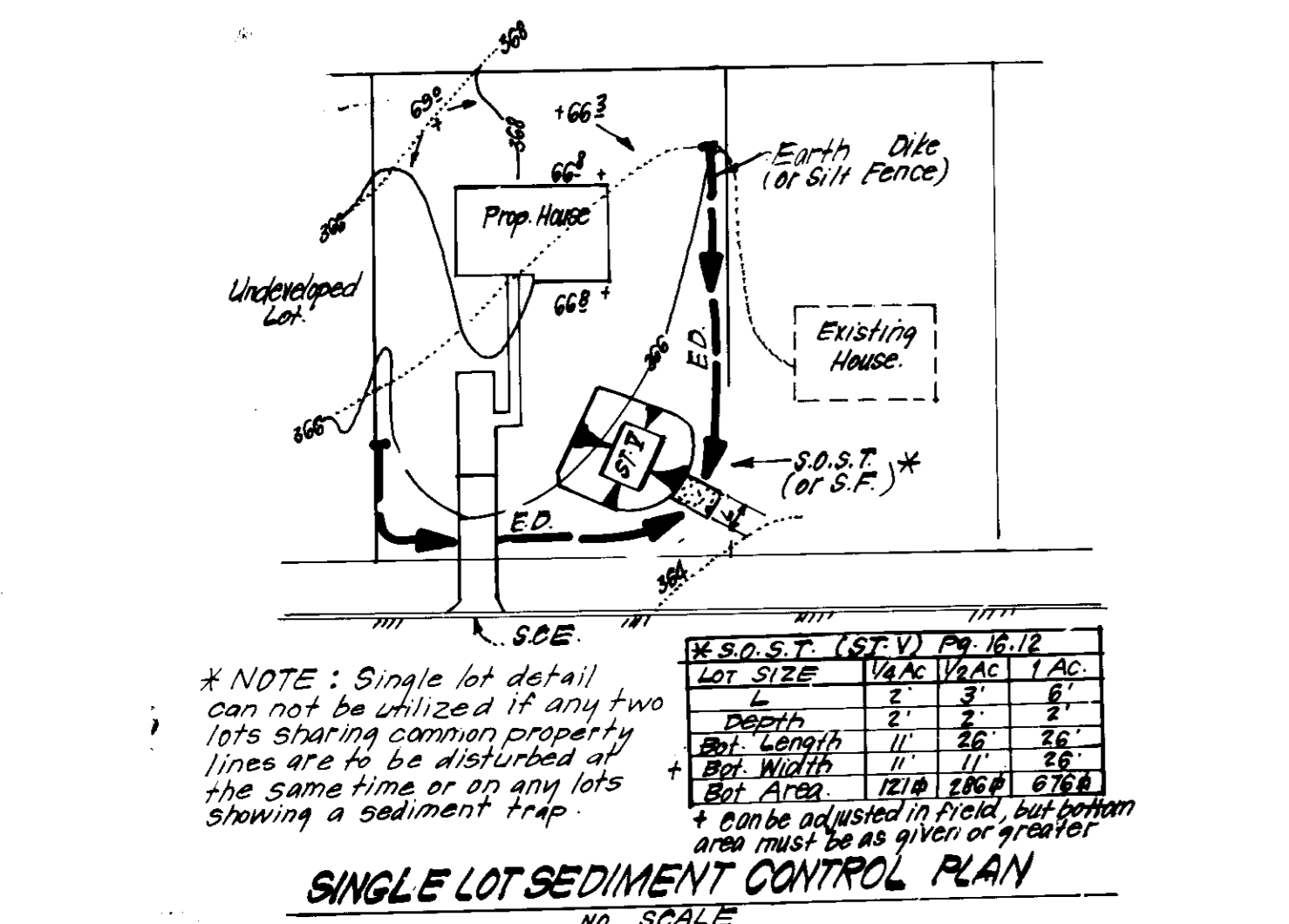
Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.

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 2 1/2 bushels 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.



SEDIMENT CONTROL NOTES

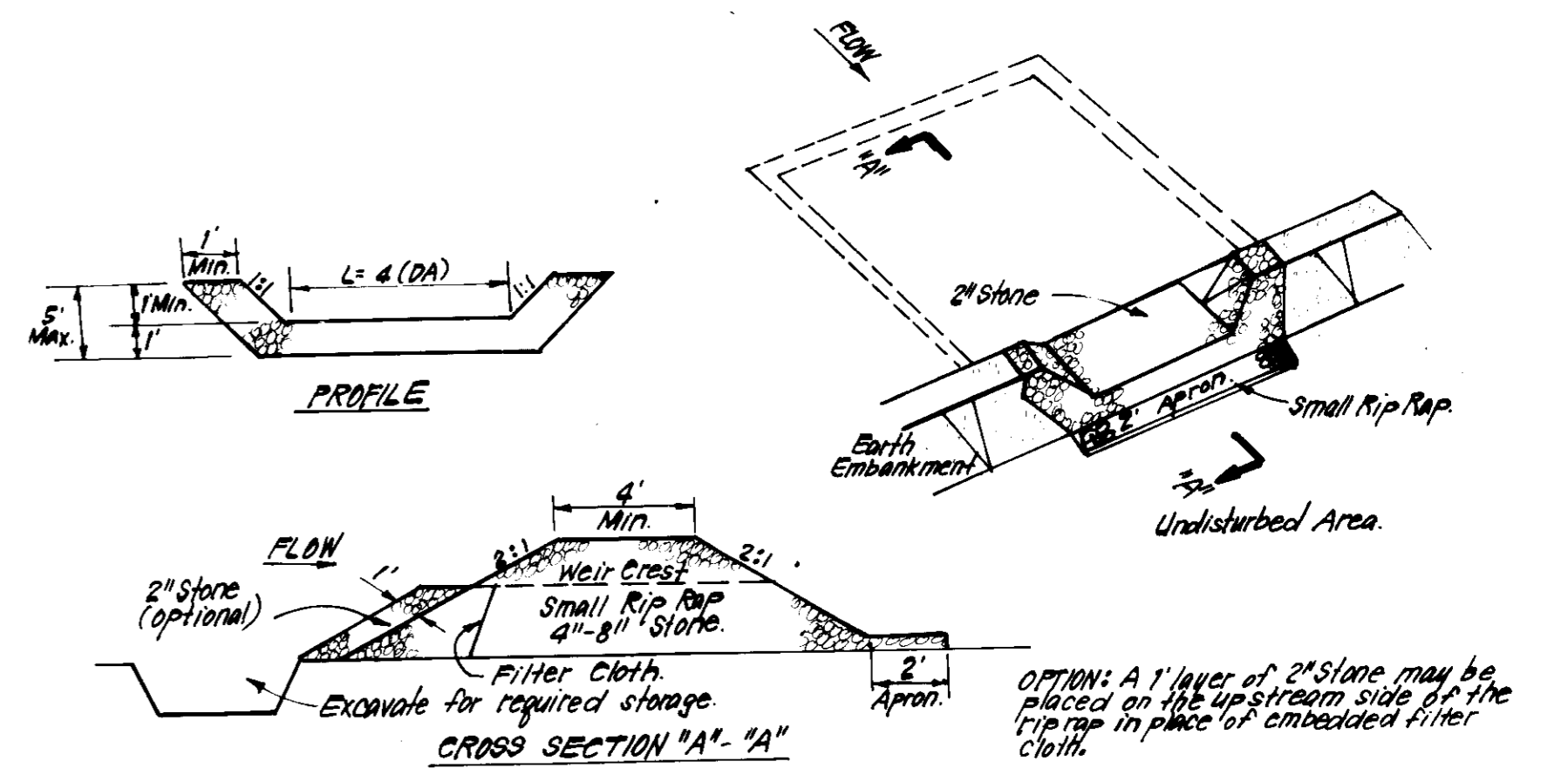
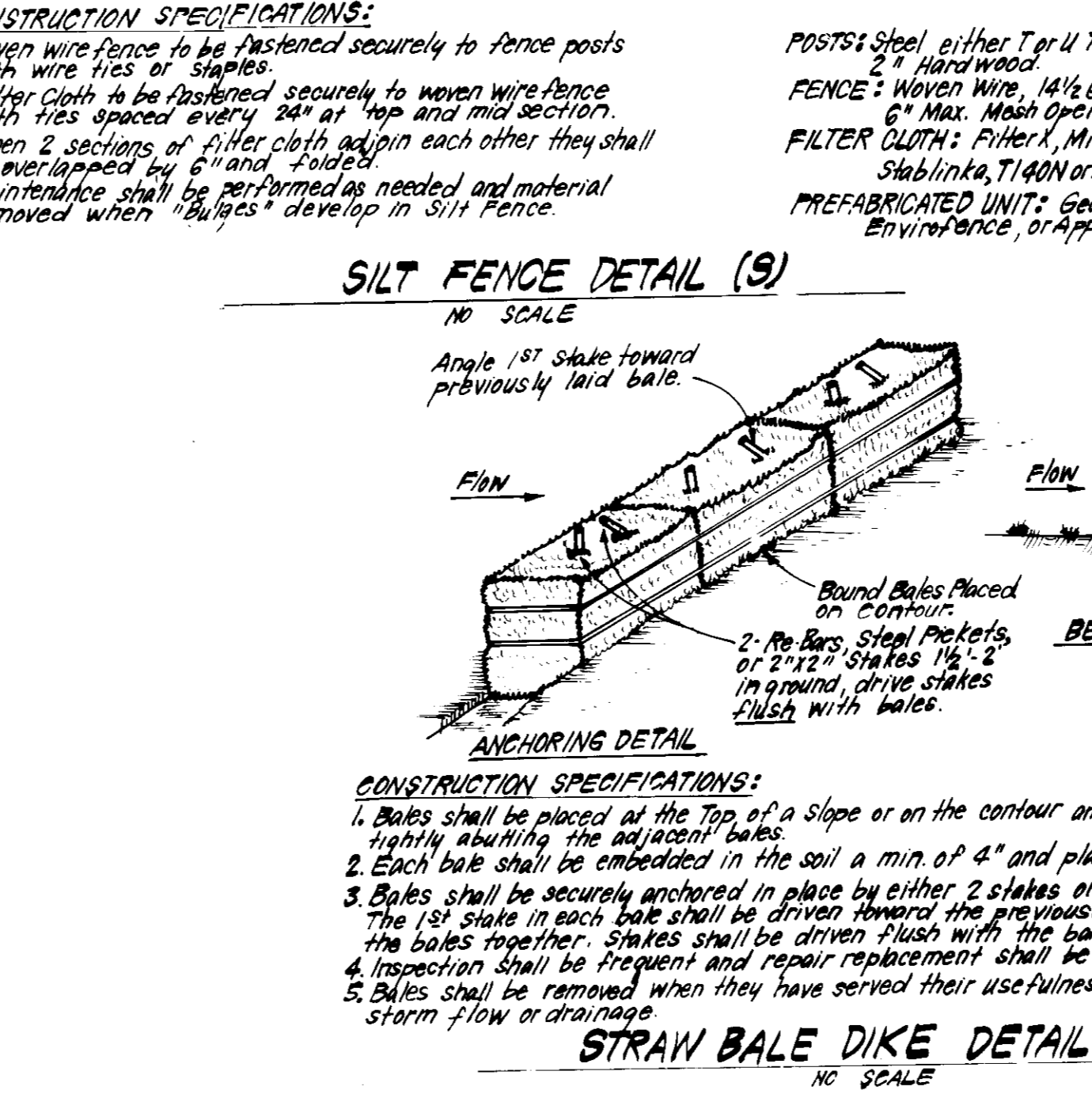
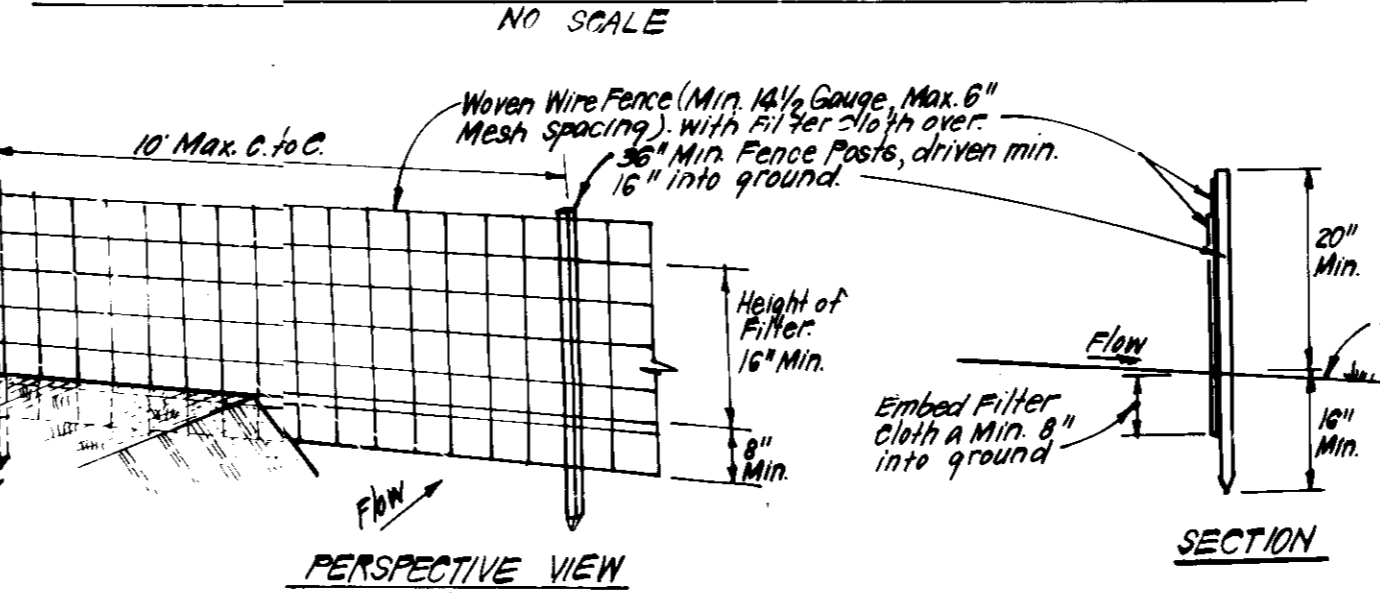
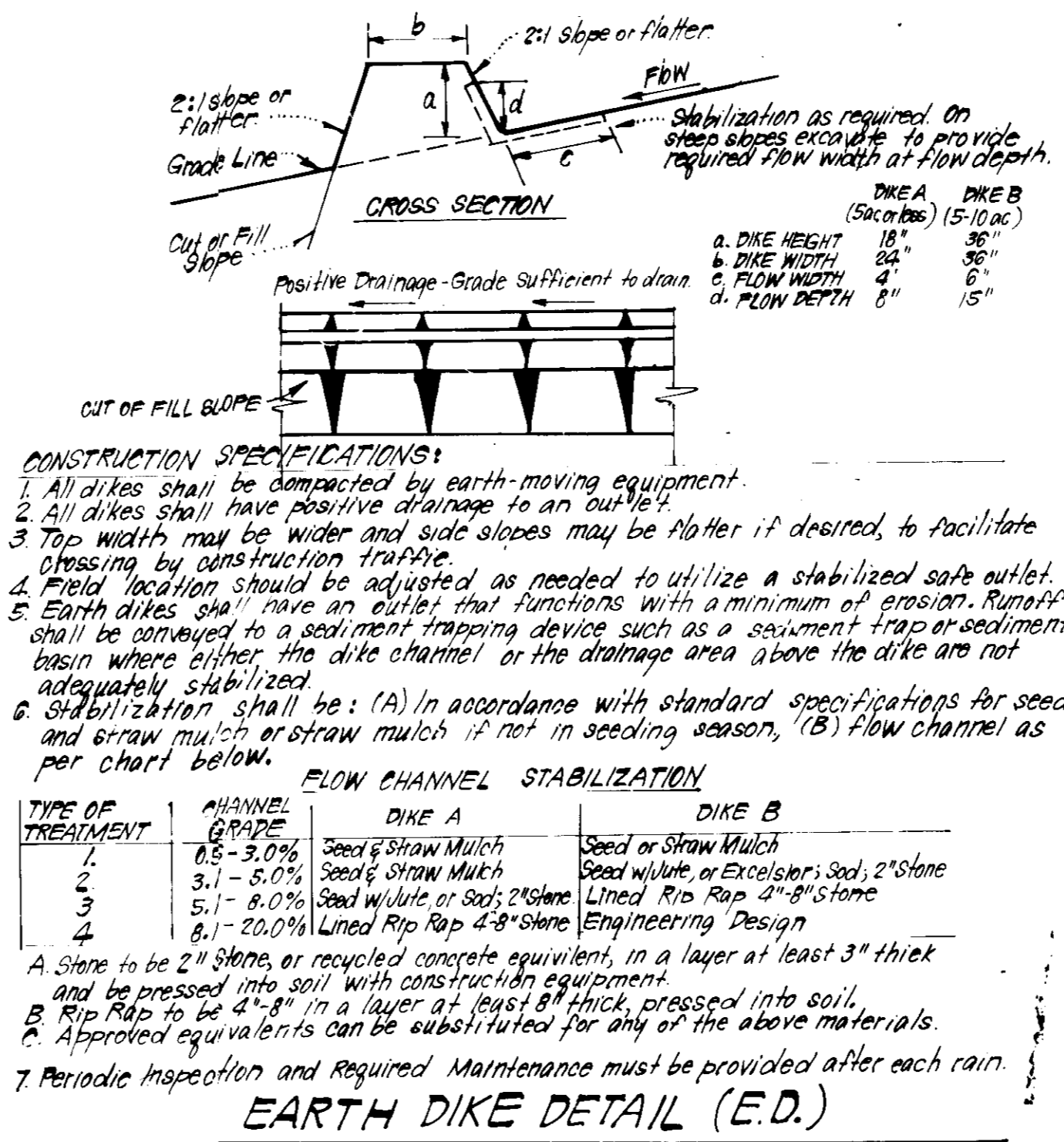
- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- 4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- 5) All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52.) Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- 6) All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- 7) Site Analysis:

Total Area of Site	1073 Acres
Area Disturbed	496 Acres
Area to be roofed or paved	110 Acres
Area to be vegetatively stabilized	386 Acres
Total Cut	2764 Cu. yds
Total Fill	2326 Cu. yds
Offsite waste/borrow area location	
- 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- 9) Additional sediment control must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
- 10) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- 11) If houses are to be constructed on an "As-Built" basis, at random, Single Lot Sediment Control as shown below shall be implemented.
- 12) All pipes to be blocked at the end of each day (see detail below). N/A
- 13) The total amount of straw bale dikes/silt fence equals 2010 L.F.

CONSTRUCTION SEQUENCE:

Activity	No. of Days
A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	7
B. Excavate for Foundations and Rough Grade & Temporarily Stabilize.	21
C. Construct Structures, Sidewalks and Driveways.	180
D. Final Grade and stabilize in accordance with Stds. & Specs.	21
E. Upon approval of the sediment control inspector remove sediment and erosion controls and stabilize.	3

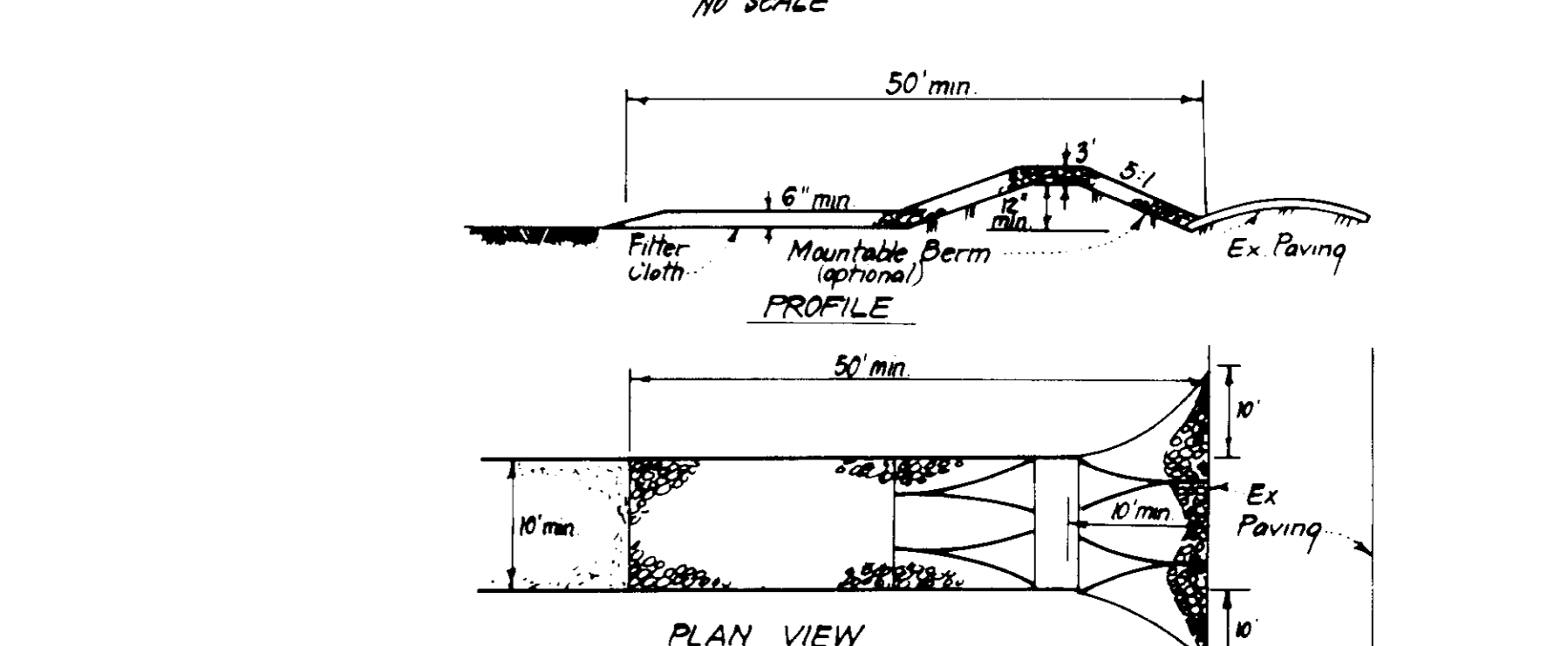
* NOTE: Lots B, D & I7 are not to be disturbed until all areas draining to the existing sediment traps are stabilized and traps are removed.



CONSTRUCTION SPECIFICATIONS:

1. Stone size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as construction demand and repair and/or cleanup of any impurities used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.

Periodic inspection and needed maintenance shall be provided after each rain.



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER: [Signature] DATE: 9-23-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 8-27-86

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 9-23-86

APPROVED: DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 8-27-86

Reviewed for HOWARD COUNTY
 and meets Technical Requirements
 [Signature] Date: 9-23-86
 U.S. Soil Conservation Service

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

Approved: [Signature] Date: 9-23-86

DEVELOPER'S/BUILDER'S CERTIFICATE

I hereby certify that all development and construction will be done according to the plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance in the District of Columbia Approved Training Program for the Howard County and Engineer's Office. I am the [Signature] of the [Signature] and I am responsible for the [Signature] and I am responsible for the [Signature] and I am responsible for the [Signature].

[Signature] Date: 7/18/86

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Erosion and Sediment Control meets all requirements of the Howard County Department of Public Works and that it was prepared in accordance with the requirements of the Howard County Department of Public Works.

[Signature] Date: 9-23-86

CLARK • FINEFROCK & SACKETT
 ENGINEERS • PLANNERS • SURVEYORS

11315 LOCKWOOD DRIVE • SILVER SPRING, MARYLAND 20904 (301) 583-3400

DESIGNED	JK	SCALE	A8 SW - U
DRAWN	VHL	DRAWING	5 OF 5
CHECKED	JK	JOB NO.	86-048
DATE	9-23-86	FILE NO.	86-0486E

SEDIMENT & EROSION CONTROL PLAN
 LOTS 1 thru 12 & 14 thru 18

CENTENNIAL MANOR

SECTION ONE AREA ONE
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR: DIVERSIFIED HOMES CORP OF MARYLAND
 10015 Old Columbia Pike
 Columbia, Maryland 21046

SDP-87-03