

GENERAL NOTES

1. Subject property zoned NT-SFMD per Comprehensive Zoning Plan dated 8-2-85
2. The coordinates shown hereon are based on the Maryland State Grid System and derived from the following Howard County Central Stations 2544002 and 2544008
3. All roads are public and existing
4. Any damage to county owned rights-of-way to be corrected at the Developer's expense
5. Total area included 3.45 AC
6. Total number of Lots 14
7. Reference Final Development Plan Phase 19G and 197 Part I
8. Maximum Lot Coverage is 30%
9. The Contractor or Developer shall contact the Construction Inspection/Survey Division, 24 hours in advance of commencement of work at 792-2630
10. Existing topography taken from plans prepared by Fisher, Collins and Carter, Inc
11. Reference Numbers 58739, P8760, F8876

SPECIAL NOTES

1. Approved Road Construction Plans shall be used for all public utilities
2. The water and sewer house connections not included in a "Developer's Agreement" shall conform to Howard County Plumbing Code. The on-site WHC shall be 1" copper and 3/4" iron
3. Storm Water Management provided in the Village of Long Reach, F88-78
4. Public Water and Sewer shown for reference only. For more detailed information, see Water and Sewer Plans - Contract No. 24-1664-D

DRIVEWAY ABUTTING CLOSED SECTION WITH MODIFIED COMBINATION CURB AND GUTTER AND SIDEWALK

100 Yr. Flood Plain, Drainage and Utility Easement - Plat No. 7818

NOTE: Ex. Sewer Main to be replaced as necessary

100 Yr. Flood Plain, Drainage and Utility Easement - Plat No. 7820

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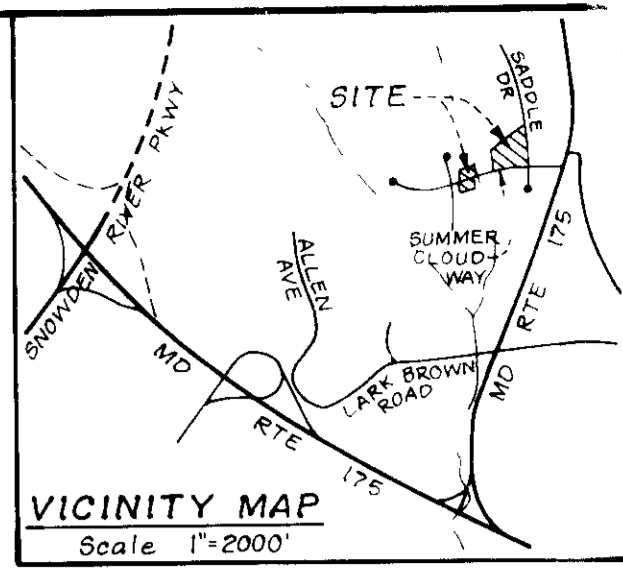
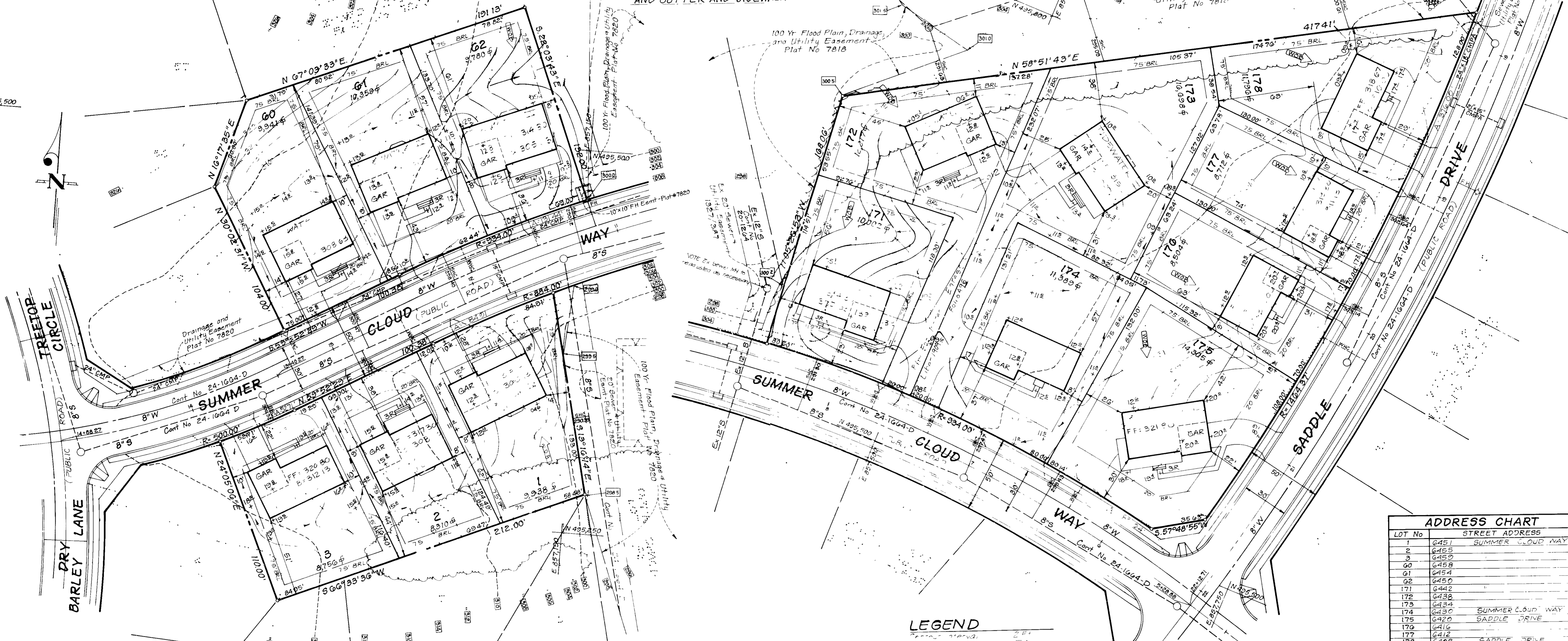
100 Yr. Flood Plain, Drainage and Utility Easement - Plat No. 7820

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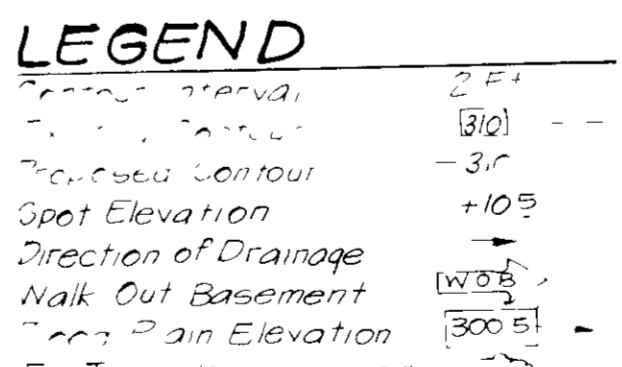
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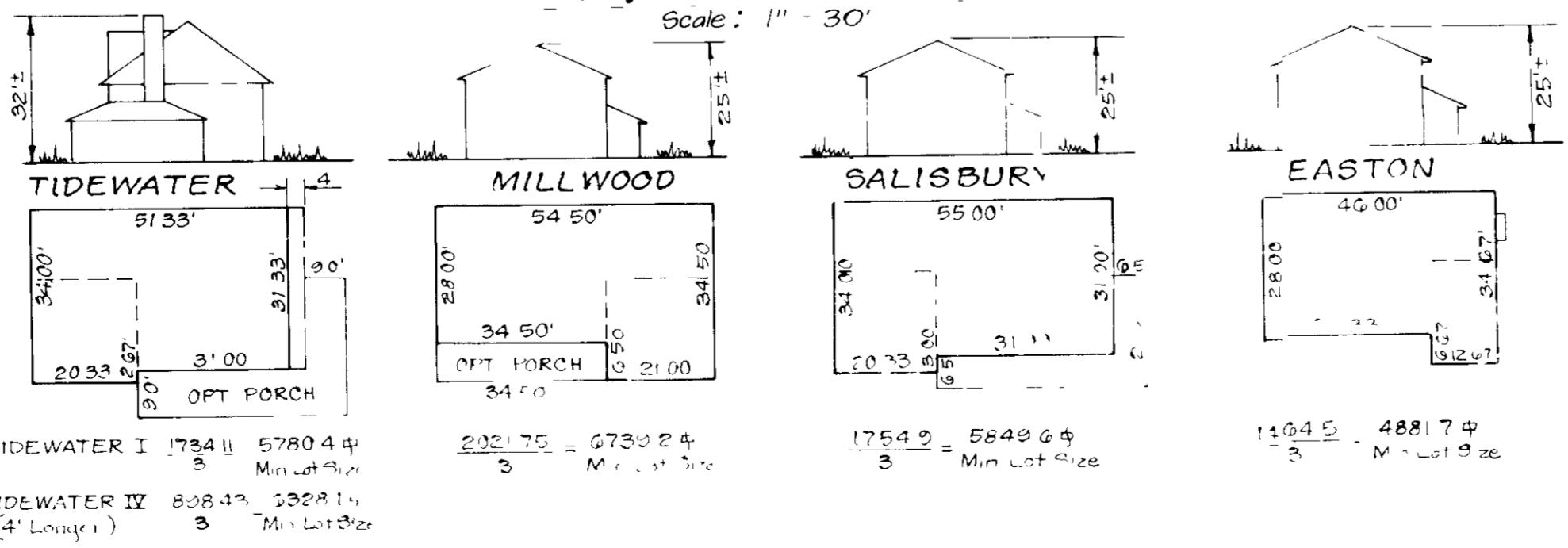
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ADDRESS CHART	
LOT No.	STREET ADDRESS
1	6451 SUMMER CLOUD WAY
2	6455
3	6459
60	6458
61	6454
62	6450
171	6442
172	6438
173	6434
174	6430
175	6420 SADDLE DRIVE
176	6416
177	6412
178	6408 SADDLE DRIVE



TYPICAL HOUSES



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

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY OFFICE OF PLANNING & ZONING

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

APPROVED

12-21-88

SUBDIVISION NAME - COLUMBIA VILLAGE OF LONG REACH	SECT./AREA 2/2	LOTS 171 THRU 178
PLAT No. / L/F BLOCK No. 7818, 7819, 7820	ZONE NT-SFMD	TAX MAP No. 37
WATER CODE E07	SEWER CODE 34G0000	ELEC. DIST. 6th

CLARK • FINEPROCK & SACKETT, INC
ENGINEERS • PLANNERS • SURVEYORS

DESIGNED: VHL
DRAWN: LAI
CHECKED: JME
DATE: August, 1988

SITE DEVELOPMENT PLAN
LOTS 1-3, 60-62 AND 171-178
COLUMBIA
VILLAGE OF LONG REACH
SECTION 2 AREA 2
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

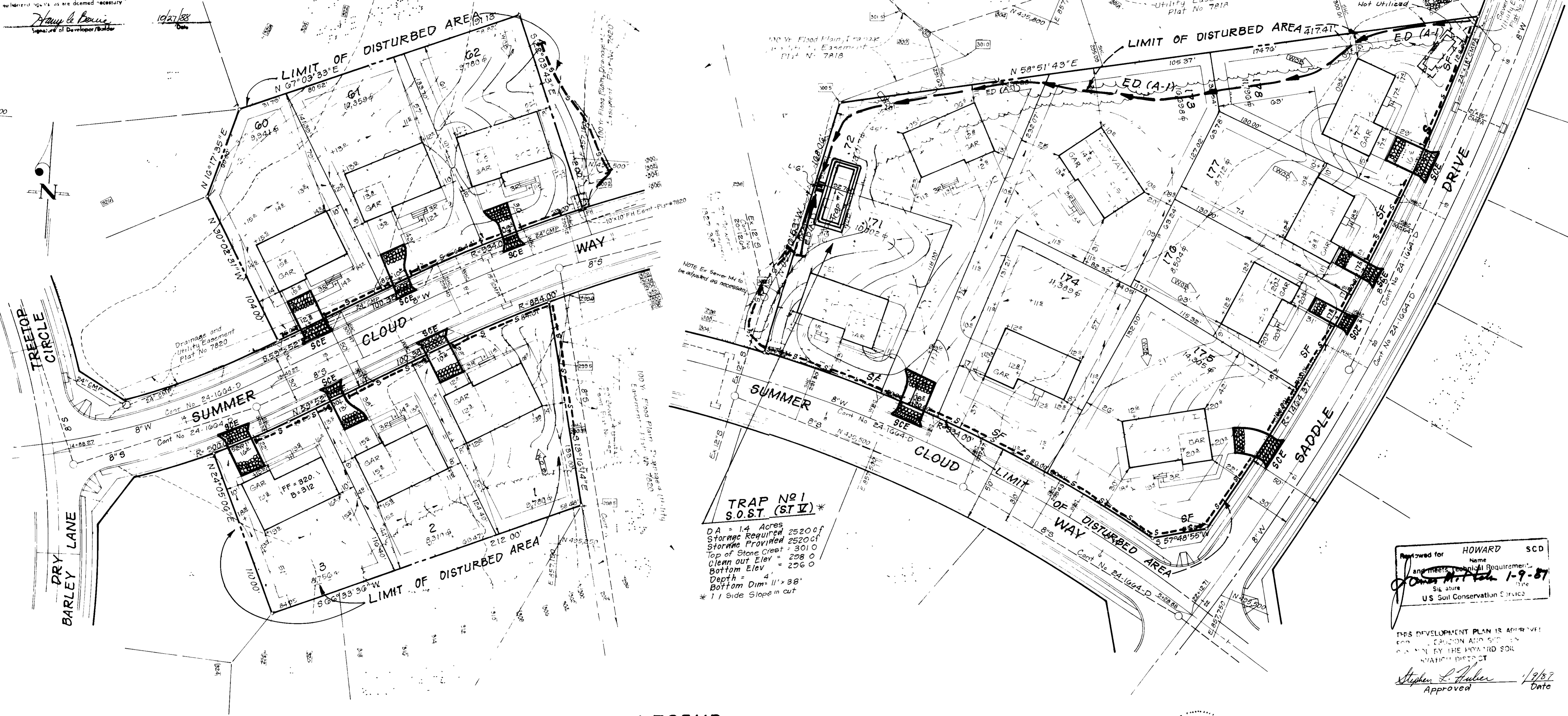
FOR: NU HOMES, INC
10480 Little Patuxent Parkway
Columbia, MD 21044

SCALE: 1"=30'
DRAWING: 1 of 3
JOB NO: 88-097
FILE NO: 88-097 X

NOTIFICATION

It is hereby certified that all development and engineering will be done in accordance with the provisions of the Subdivision Control Act and the regulations thereunder, and that all development and engineering will be done in accordance with the provisions of the Subdivision Control Act and the regulations thereunder, and that all development and engineering will be done in accordance with the provisions of the Subdivision Control Act and the regulations thereunder.

Harry L. Bousie
 Licensed Professional Engineer
 10/27/88
 Date



**TRAP No 1
 S.O.S.T. (ST. V)**

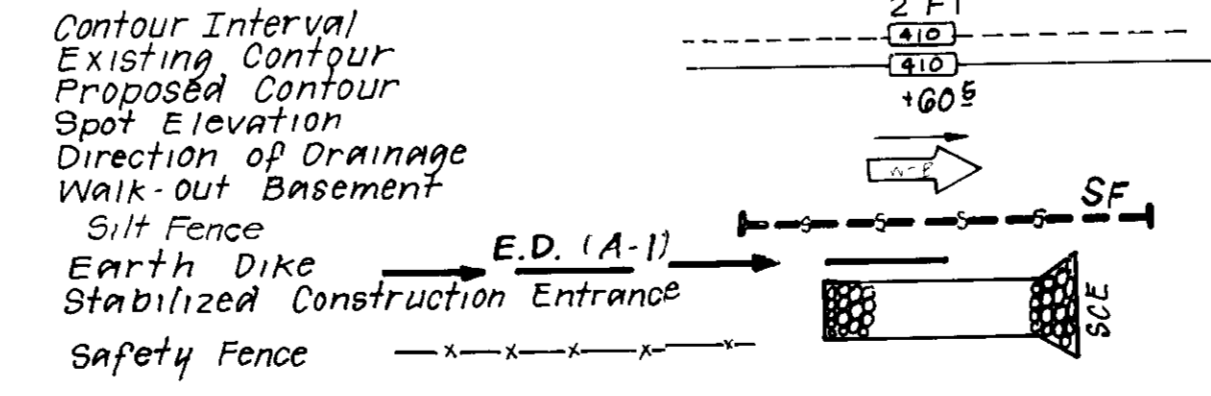
DA = 1.4 Acres
 Storage Required 2520cf
 Storage Provided 2520cf
 Top of Stone Crest = 301.0
 Clean out Elev = 298.0
 Bottom Elev = 296.0
 Depth = 4'
 Bottom Dim: 11' x 38'
 * 1:1 Side Slope in cut

Reviewed for HOWARD SCD
 Name
 and meets Technical Requirements
John M. Pelt 1-9-87
 Signature
 Date
 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED
 FOR CONSTRUCTION AND SETBACK
 BY THE HOWARD SOIL
 CONSERVATION DISTRICT

Stephen L. Fisher 1/9/87
 Approved Date

LEGEND



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.

G. Nelson Clark 10-28-88
 Date

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

James Boyler 1-23-89
 DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

Mark A. Z. Campbell 2/6/89
 DATE

CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

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

Richard M. Hall for JMI 1/1/89
 DATE

CHIEF BUREAU OF ENGINEERING

W. J. P. Kelly 1-17-87
 DATE

APPROVED

12-21-88

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS		SCALE 1" = 30' DRAWING 2 of 3 JOB NO 88-097 FILE NO 88-0975E
DESIGNED UK	SEDIMENT AND EROSION CONTROL PLAN LOTS 1-3, 60-62 AND 171-178 COLUMBIA VILLAGE OF LONGREACH SECTION 4 SECTION 2 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
DRAWN LAI BS		
CHECKED JLS		
DATE August, 1988	FOR NU HOMES, INC 10480 Little Patuxent Parkway Columbia, MD 21044	

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

Seeded Preparation Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

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 sq 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 (0.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 15 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 seed. 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 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 368 gallons per acre (8 gal/1000 sq ft) for anchoring.

Maintenance - 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.

Seeded Preparation Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

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 bushel per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (0.07 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 seed.

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 368 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.

Site Analysis

Total Area of Site	3.45 Acres
Area Disturbed	3.10 Acres
Area to be reseeded or paved	0.00 Acres
Area to be vegetatively stabilized	2.30 Acres
Total Cut	2030 Cu yds
Total Fill	2032 Cu yds
Off-site waste/borrow area location	N/A

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 Soil Conservation District 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 control, 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 a "fast-silt" 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).

13) The total amount of stream-bank silt fence equals 1025 LF.

CONSTRUCTION SEQUENCE

	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	30
C. Construct Structures, Sidewalks and Driveways	200
D. Final Grade and stabilize in accordance with Stds. & Specs	14
E. Upon approval of the sediment control inspector remove sediment and erosion controls and stabilize	7

Note: Existing trap on lot 178 is not utilized by this plan and can only be removed upon approval of the Sediment Control Inspector.

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 SYSTEMS
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DATE: DEC. 21, 1988

S/BUILDER'S CERTIFICATE

will be done or erosion and sediment control construction shall be maintained until the construction is complete and the site is stabilized.

Signature: Harry A. Bonni
Date: 10/21/88

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

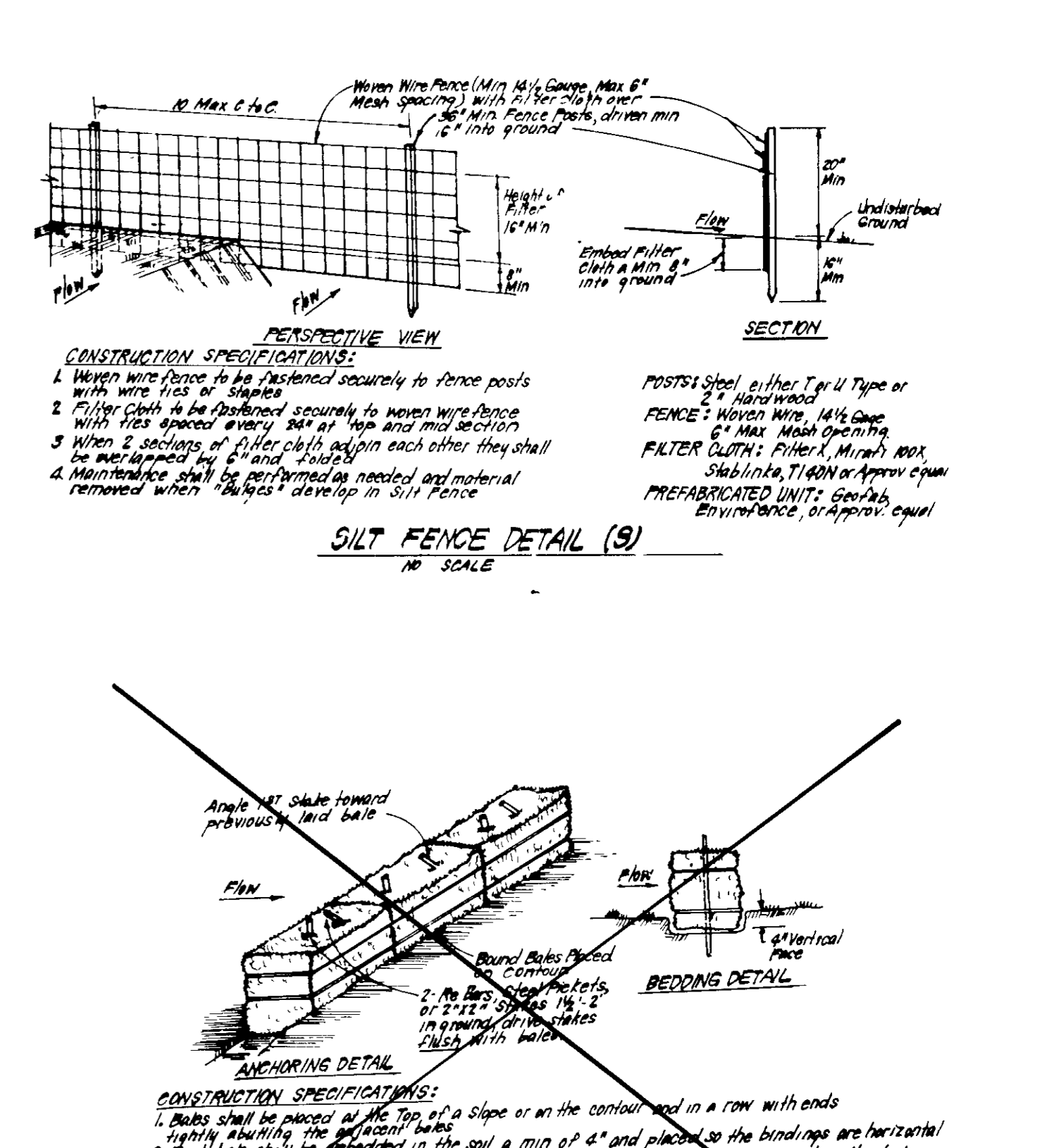
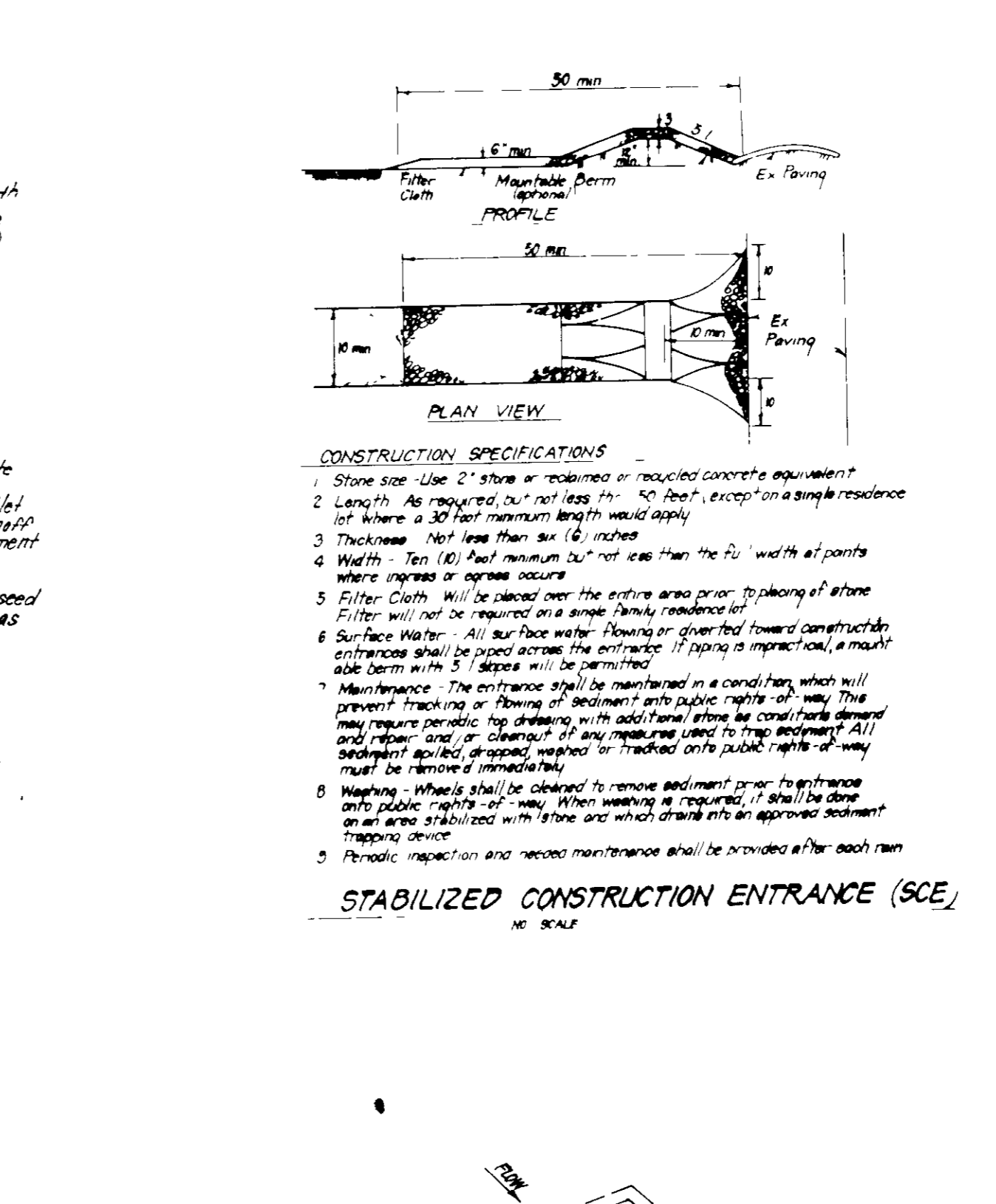
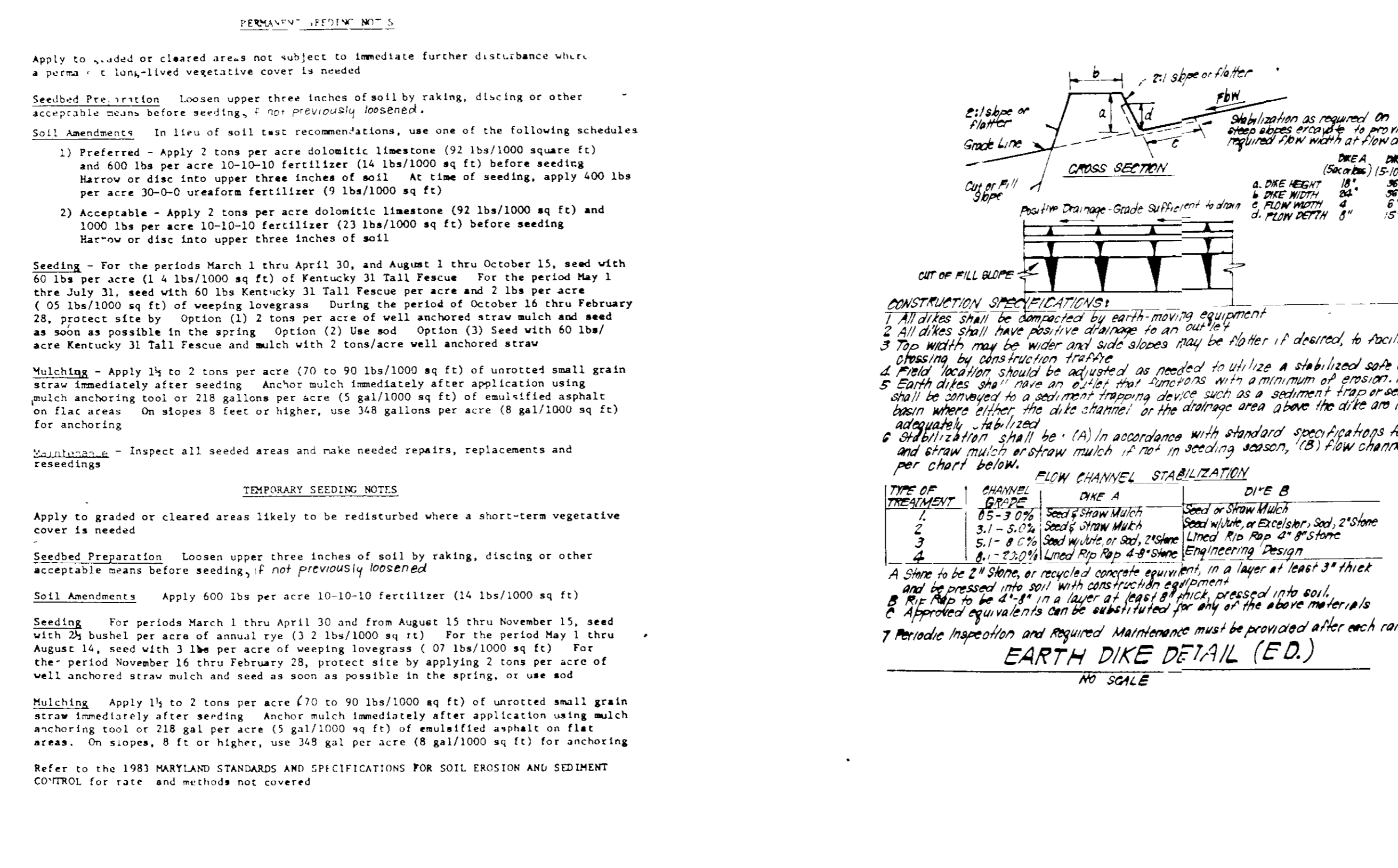
SIGNATURE: _____ DATE: _____

U.S. SOIL CONSERVATION SERVICE

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

APPROVED: _____ DATE: _____

Howard S.C.D.



ENGINEER'S CERTIFICATE

I hereby certify that this plan for Erosion and Sediment Control meets the technical and workable requirements of the Howard County Department of Public Works and the requirements of the Howard County Department of Health.

Signature: G. Nelson Clark
Date: 10-28-88

CLARK • FINEROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS

7135 MINISTREL WAY • COLUMBIA, MD 21046 • (301) 981-7200 • BALTIMORE, MD

DESIGNED: UK
DRAWING: GS
CHECKED: JLS
DATE: Oct 1988

SEDIMENT AND EROSION CONTROL PLAN
LOTS 1-3, 60-62 AND LOTS 171-178
COLUMBIA VILLAGE OF LONGREACH
SECTION 2 AREA 2
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1"=30'
DRAWING: 3 of 3
JOB NO: 88-097
FILE NO: 88-0975E

FOR: NU-HOMES, INC.
10480 Little Patuxent Pkwy
Columbia, Maryland 21044