

Apply to cleared or cleared areas not subject to immediate further disturbance and a program of immediate vegetative cover is needed.

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

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 400 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 1 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 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 untreated 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 ft or higher, use 364 gal 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 redistributed 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 tilled.

Soil Amendments: Apply 400 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft).

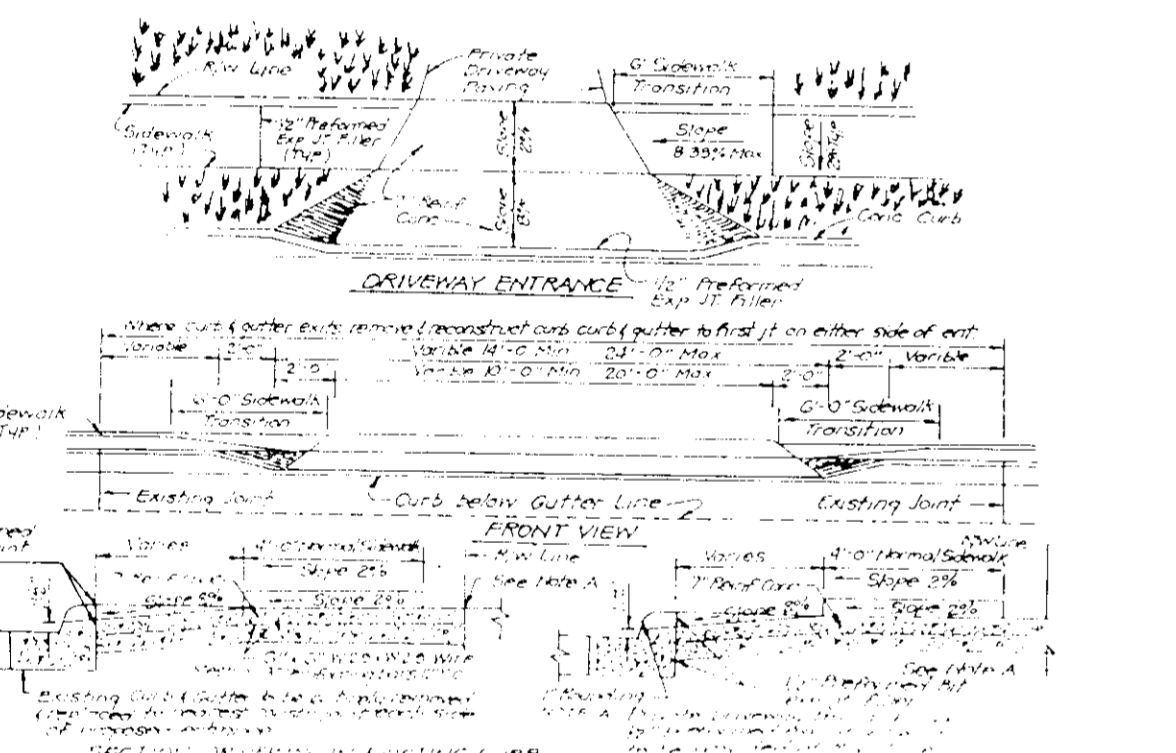
Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 25 bushels per acre of annual ryegrass (12 lbs/1000 sq ft). For the period May 1 thru August 15, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use seed.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of untreated 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 364 gal per acre (8 gal/1000 sq ft) for anchoring.

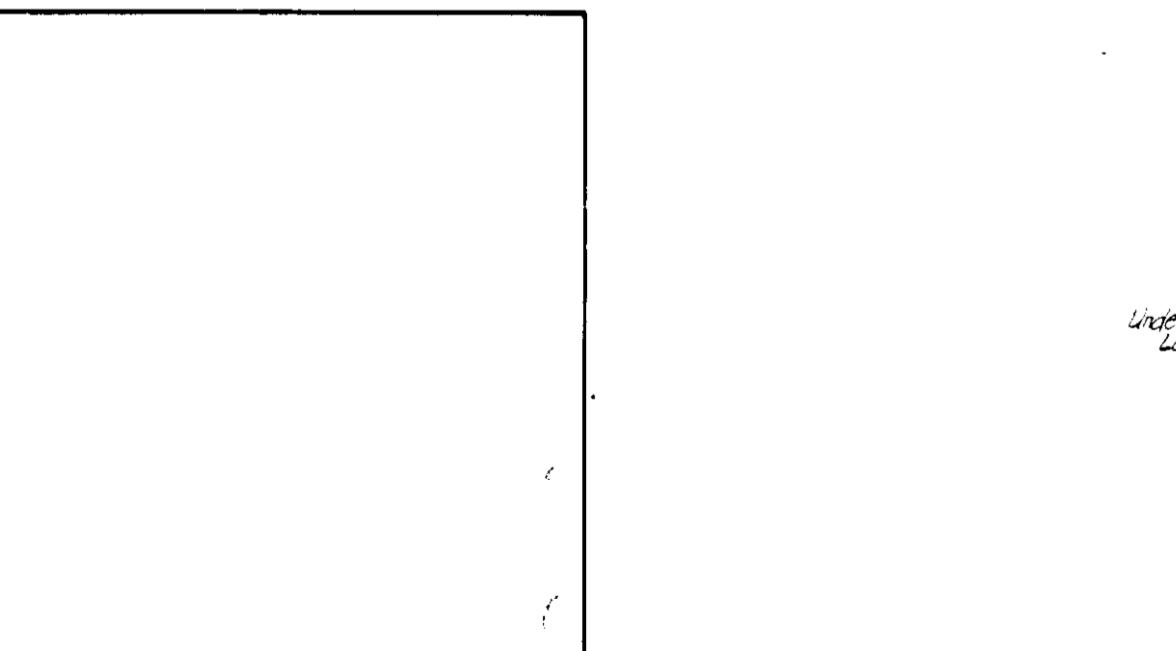
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

CONSTRUCTION SEQUENCE:

Activity	No. of Days
A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	5
B. Excavate for foundations and Rough Grade & Temporarily Stabilize.	7
C. Construct Structures, Sidewalks and Driveways.	60
D. Final Grade and stabilize in accordance with Stds. & Specs.	7
E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.	5



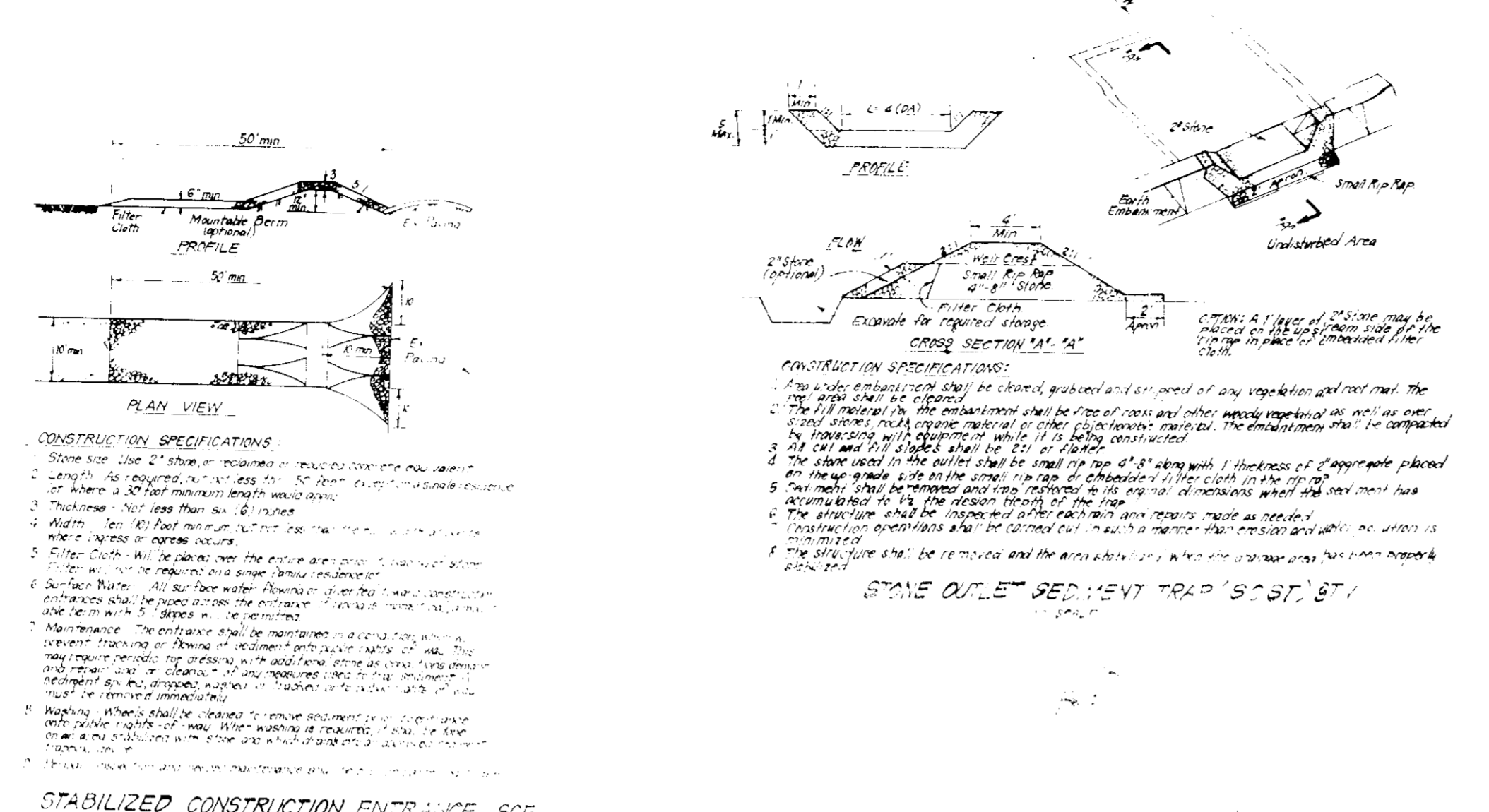
DRIVEWAY ABUTTING CLOSED SECTION WITH STD 7 COMB CURB & GUTTER & SIDEWALK SET BACK FROM CURB



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 Signature: [Signature] Date: 5-31-89

APPROVED FOR ZONING
 HOWARD COUNTY OFFICE OF PLANNING & ZONING
 Signature: [Signature] Date: 6-26-89

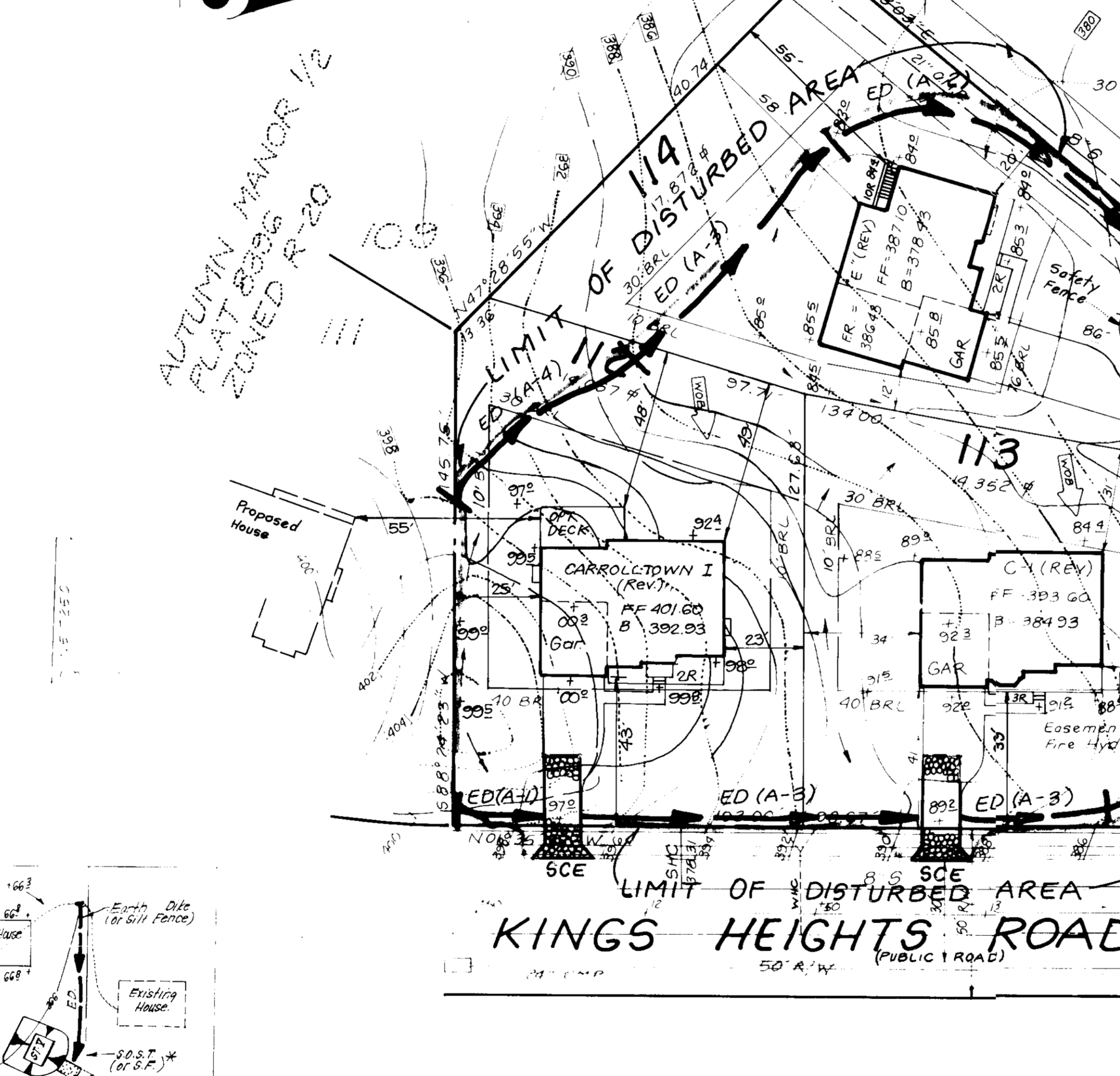
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Signature: [Signature] Date: 6-26-89



STABILIZED CONSTRUCTION ENTRANCE SCE

TRAP #1 505T (ST-V)

EARTH DIKE DETAIL (E.D.)



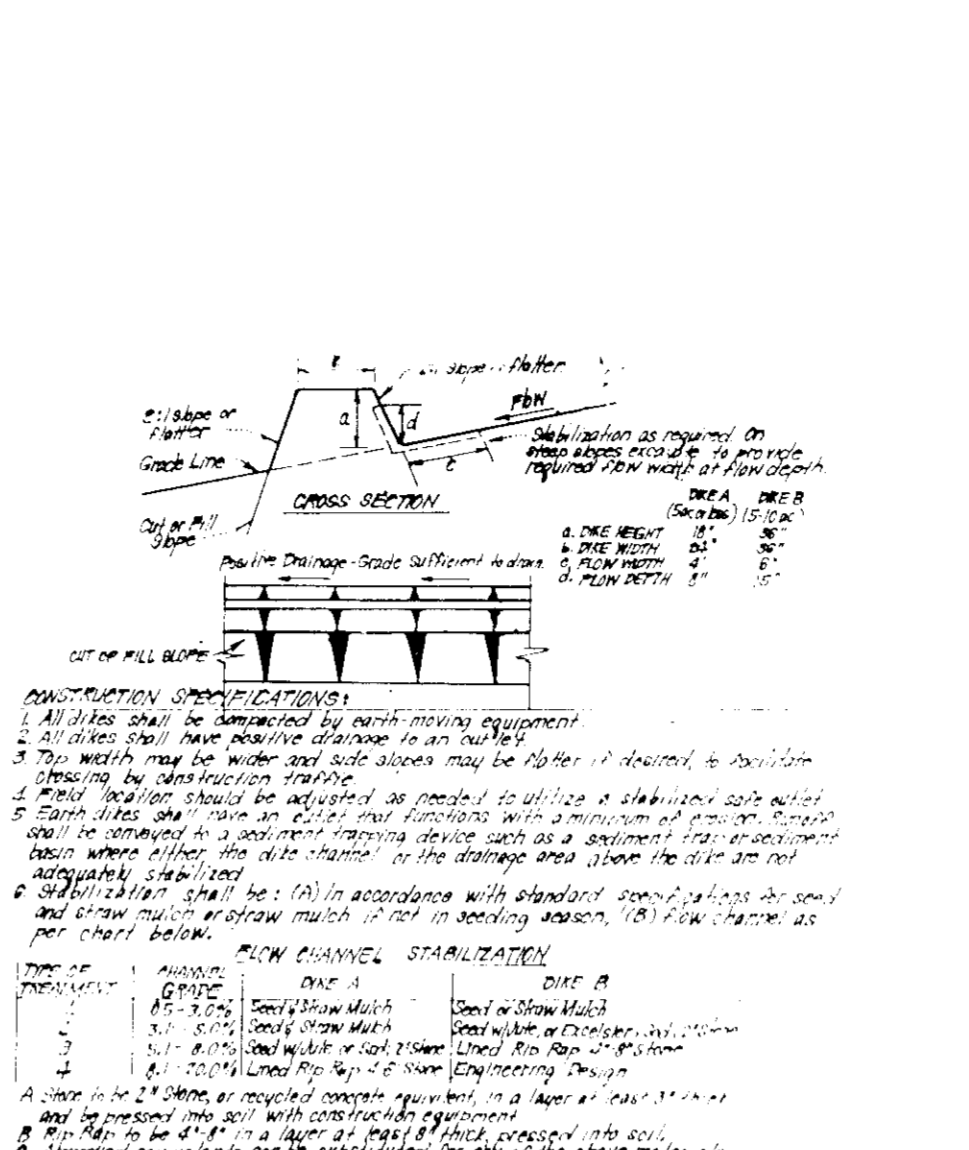
Reviewed for HOWARD S.C.D. and meets Technical Requirements
 U.S. Soil Conservation Service
 Signature: [Signature] Date: 6-20-89

DEVELOPER'S/BUILDER'S CERTIFICATE
 I/We certify that all development and construction will be done according to this 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 at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.
 Signature: [Signature] Date: 2/15/89

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Signature: [Signature] Date: 6-20-89

REVISIONS

No.	Rev. hse and grd. lot 112	Date
1		6-20-89
2		

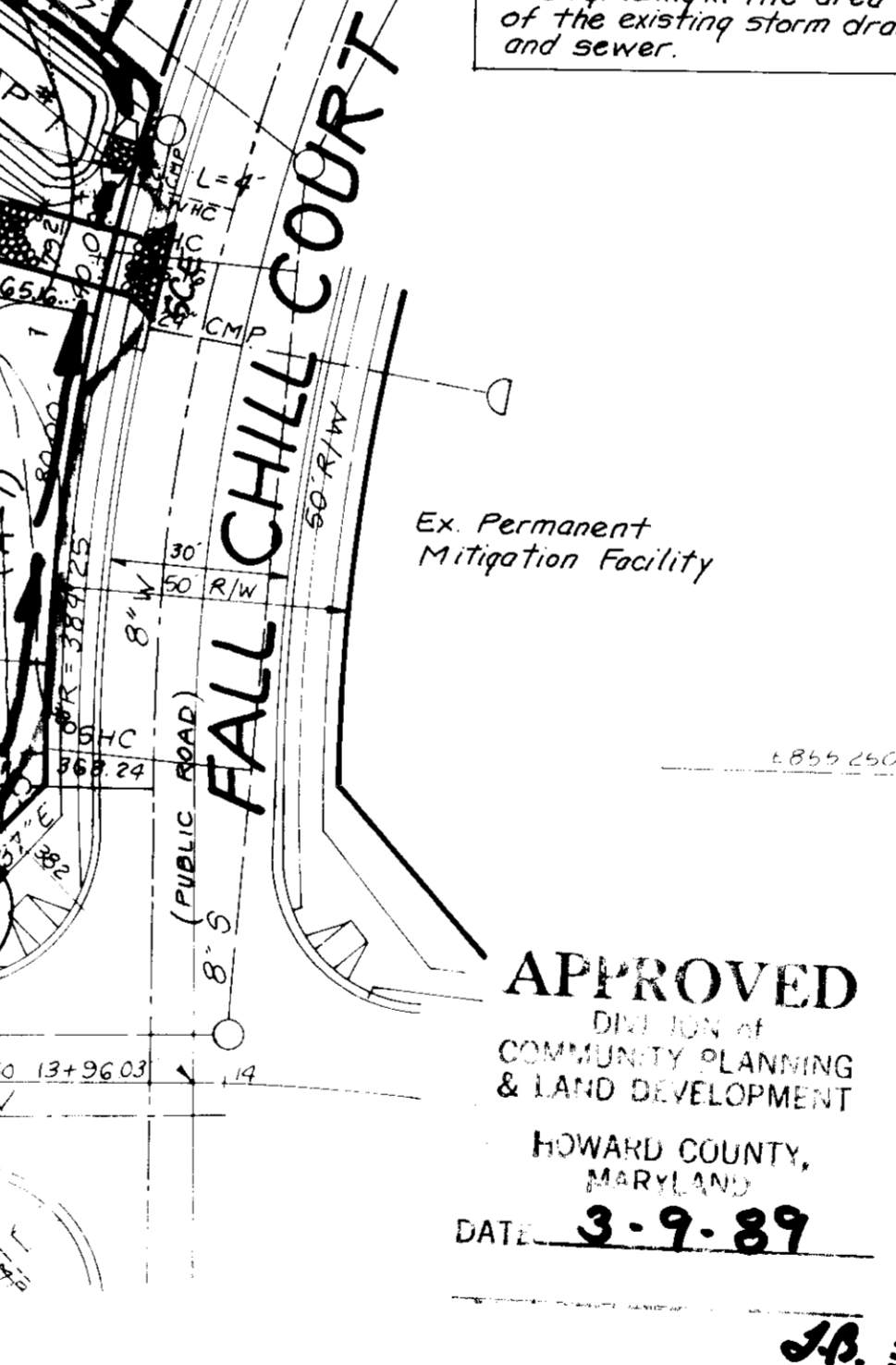


TRAP #1 505T (ST-V)

EARTH DIKE DETAIL (E.D.)

DA = 0.90 AC.
 Stor. Req'd = 1620 cf
 Stor. Provided = 1632 cf
 Depth = 5'
 Top of Stone = 378.5
 Bottom Elev. = 374.5
 Clean out Elev. = 376.0
 Bottom Dimensions = 31' x 13'
 1:1 Side Slopes

Extreme care to be taken when grading or filling of the existing storm drain and sewer.



APPROVED
 DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE: 3-9-89

OWNER/DEVELOPER
 Howard County Sanitarium Co., Inc.
 % Howard County Land Services Inc.
 8307 Main Street
 Ellicott City, Maryland 20833

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.
 Signature: [Signature] Date: 2-15-89

- 1) A minimum of 24 hours notice shall be given to the Howard County Office of Inspection and Permitting prior to the start of any construction. (1982-2-17)
- 2) The proposed final construction plan shall be in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within a 7 calendar days for all permanent sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, 10-14 days for all other disturbed or graded areas on the project site.
- 4) All sediment traps/basins shown must be fenced and warning 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 seeding (Sec. 51) and (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 and permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- 7) Site Analysis:
 Total Area of Site: 1.07 Acres
 Area Disturbed: 0.90 Acres
 Area to be seeded or planted: 0.95 Acres
 Area to be vegetatively stabilized: .65 Acres
 Total Cost: \$213,000.00
 Off-site water/harrow area location: N/A
- 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired to the same day of disturbance.
- 9) Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
- 10) In all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be required 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 approval 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 least one final sediment control shall be installed and implemented.
- 12) All projects shall be closed at the end of each day and all sediment controls shall be maintained in good repair.
- 13) The total amount of site disturbance shall be reported as follows:
 - 0 -

LEGEND

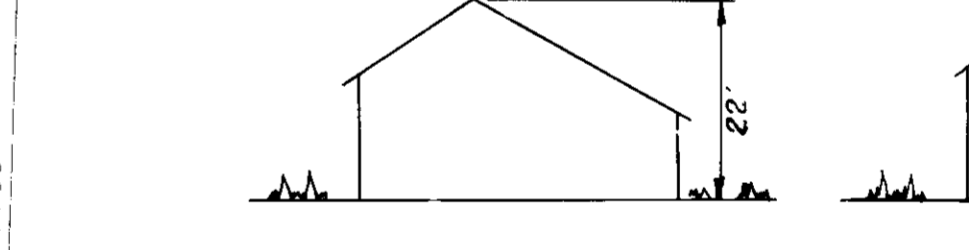
- Control Structure 2 FT
- Existing Contour
- Proposed Contour
- Proposed Structure
- Disturbed Area
- Stabilized Construction Entrance
- Earth Dike ED(A-1)

GENERAL NOTES

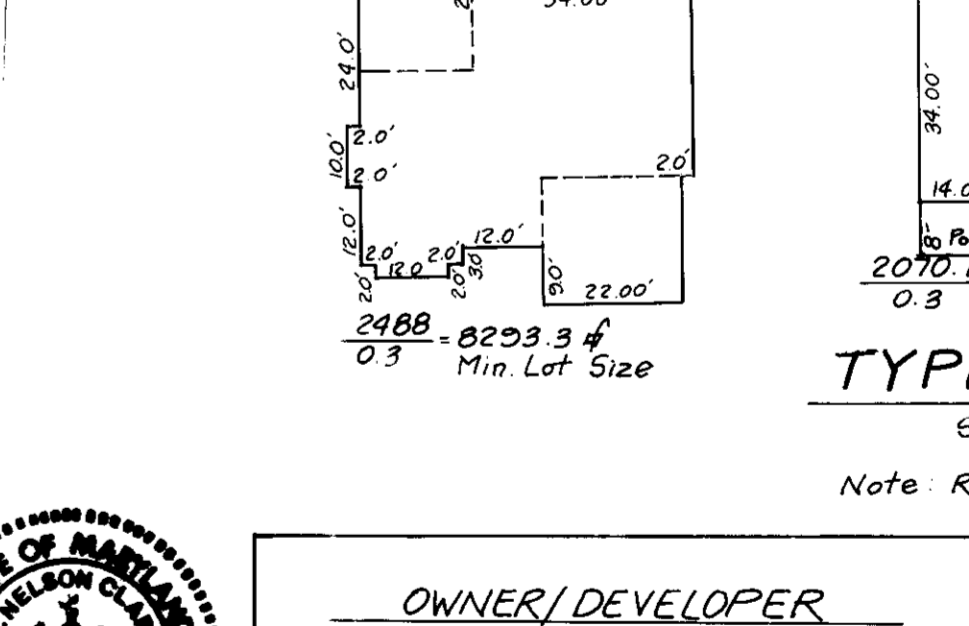
- 1 Subject property zoned R-20 as per Comprehensive Zoning Plan dated 8-2-85.
- 2 The coordinates shown hereon are based upon the Maryland State Grid System as projected by the Howard County Geodetic Control Stations, 3043001 and 3143006.
- 3 All roads are public and existing.
- 4 Total number of lots: 3
- 5 Total area of the lots: 1.07 Ac.
- 6 Reference file nos. S80-14, F88-141, P87-78
- 7 Topography was taken from plans prepared by Fisher Collins Carter, Inc.
- 8 Individual Lot Coverage is .30%

SPECIAL NOTES

1. Approved road construction plans shall be used for all public utilities.
2. Public water and sewer shown for reference only. For more detailed information, see approved plans.
3. 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 the SHC shall be 4" iron.
4. Mitigation basin is provided under F-88-141
5. Stormwater management is provided for this subdivision in Autumn Manor Section I Area I, under F85-134.



TYPICAL HOUSES



CLARK • FINEFROCK & SACKETT, INC.

SITE DEVELOPMENT PLAN & SEDIMENT & EROSION CONTROL PLAN
 LOTS 112, 113, 114
AUTUMN MANOR
 SECTION I, AREA 2
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: DOUGLAS HOMES
 PO BOX 628
 ELLICOTT CITY, MD 21043

DESIGNED VL KIWIM
 DRAWN BAR
 CHECKED VL KIWIM
 DATE Feb 1989

1" = 30'
 10' = 1"
 89-012

SDP 20 184