

GENERAL NOTES

- Grading Permits shall be obtained prior to installation of sediment control.
- All Sediment Control Measures will be installed and stabilized according to this plan prior to any other grading, clearing or disturbance of existing surface of site.
- Notify the Bureau of Inspections and Permits at least 24 hours before starting any work.
- All Sediment Control Practices conform to the Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas and shall be adjusted to meet actual field conditions.
- All structural Sediment Control Measures are to remain in place until permission for their removal has been obtained from the Bureau of Inspections and Permits.
- On Site Inspection and maintenance of all sediment control measures including clean-out of Sediment Traps and Dikes and proper establishment of all planned vegetative measures will be the responsibility of the developer or his representative on the site, on a continuing day to day basis.
- It will be the developer's responsibility to provide additional Sediment & Erosion Control Devices to protect Stabilized Areas during construction.
- The contractor shall keep all public roads free of sediment deposits left from traffic leaving construction site.
- Approval of this plan is conditional upon the approval of Sediment Control Plan for the off-site waste or borrow area prior to the import of any borrow or export of waste to or from this site.
- See Pages 51.01 - 51.08 of the Maryland State & Specs. for Soil Erosion and Sediment Control for Permanent Seeding and Pages 50.01 - 50.05 for Temporary Seeding or provide stabilization in accordance with notes shown.
- As per COMAR 08.05.01.06 -- "Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: (a) Seven calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes, and all slopes greater than 3:1 horizontal to one vertical (3:1) and (b) fourteen days as to all other disturbed or graded areas on the project site."
- All Pipes to be blocked at the end of each day (See detail below). N/A
- The total amount of Straw Bale Dikes/Silt Fence shown = 0 L.F.
- SITE ANALYSIS:**
 A Total Area: 0.077 Acres
 B Area to be Roofed: 0.100 Acres
 C Area to be Paved: 0.036 Acres
 D Area to be Seeded: 0.052 Acres
 E Area Undisturbed: 0.387 Acres
- CONSTRUCTION SEQUENCE:**
 A. Install Sediment & Erosion Control Devices and Stabilize.
 B. Excavate for foundations and Rough Grade.
 C. Construct Structures, Driveways & Sidewalks.
 D. Fine grade and stabilize all other disturbed areas onsite in accordance with Standards & Specifications.
 E. Upon approval of the sediment control inspector, remove sediment & erosion control measures/stabilize in accordance with Stds & Specs.
- If houses are to be constructed on an "As-Sold" basis, at random, single lot Sediment Control, as shown below, shall be implemented. N/A
- All sediment traps shown must be fenced and warning signs posted around their perimeter in accordance with Vol 1, Chap. 12, of The Howard Co. Design Manual for Storm Drainage.
- Fill = 0 CY
 Storm Water Management Facilities approved as part of F 79-46 (Section 1, Area Dorsey Hall).

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 3 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:

- Preferred** - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq ft) and 600 lb. per acre 10-10-10 fertilizer (14 lbs./1000 sq ft) before seeding. Harrow or disc into upper 3 inches of soil. At time of seeding, apply 400 lbs. per acre 20-0-0 ureaform fertilizer (9 lbs./1000 sq ft).
- 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 3 inches of soil.

Seeding: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (14 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 (0.5 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 2 tons/acre well anchored straw.

Mulching: Apply 1 1/2 to 2 tons per acre (10 to 20 lbs./1000 sq ft) of unrotted small grain straw immediately after application using mulch anchoring tool or 2/8 gal. per acre (3 gal./1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 3/8 gal. per acre (8 gal./1000 sq ft) for anchoring.

TEMPORARY SEEDING NOTES

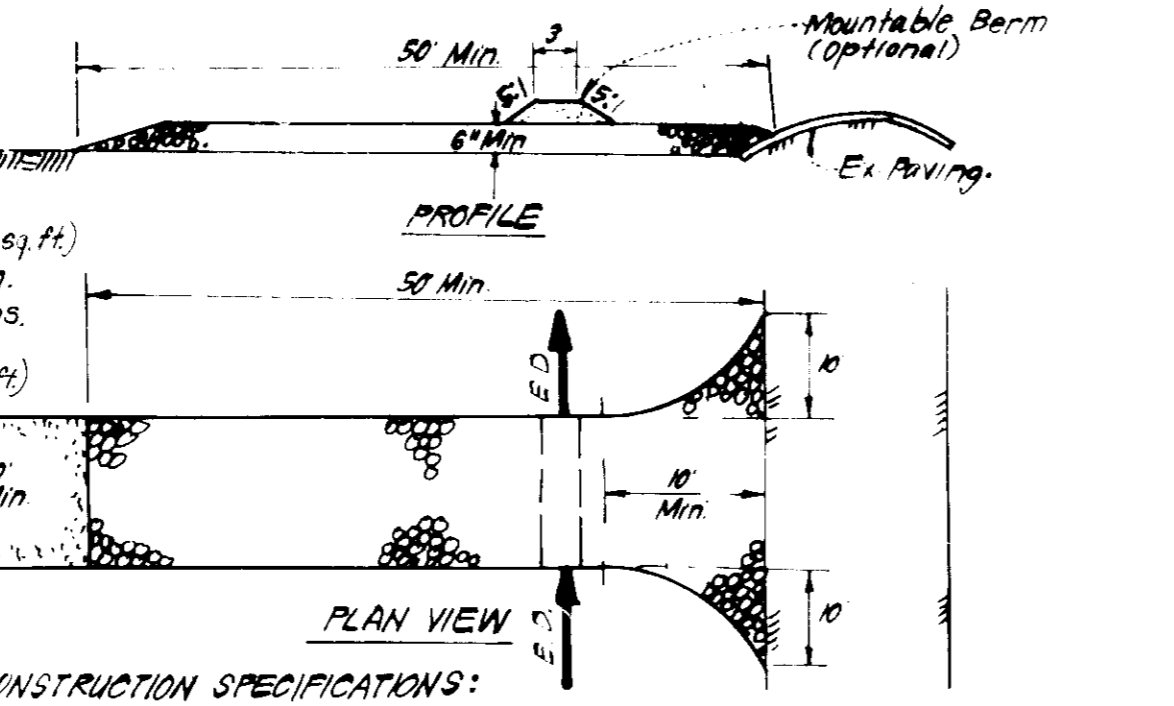
Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

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).

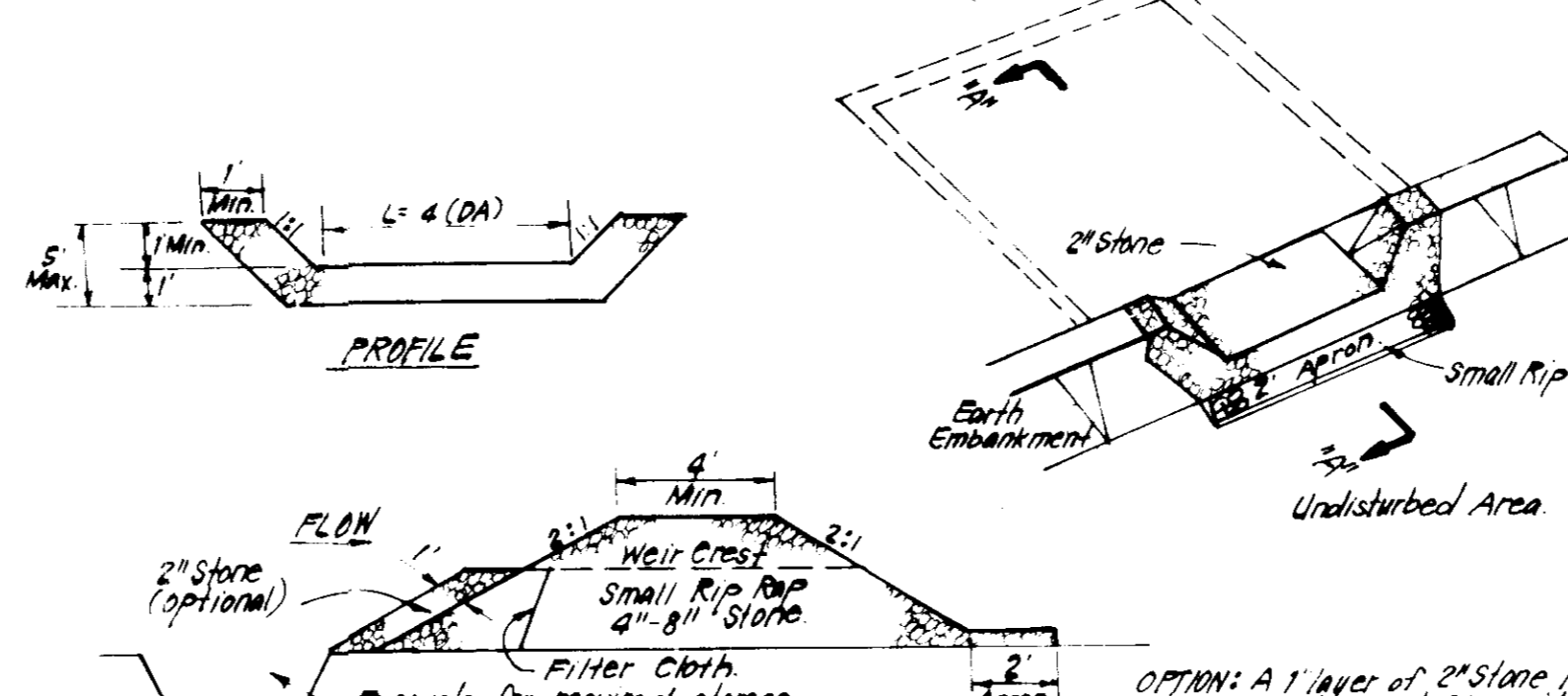
Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual ryegrass (32 lbs./1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs./1000 sq ft). For the period November 16 thru February 28, 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 (10 to 20 lbs./1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2/8 gal. per acre (3 gal./1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft. or higher, use 3/8 gal. per acre (8 gal./1000 sq ft) for anchoring.



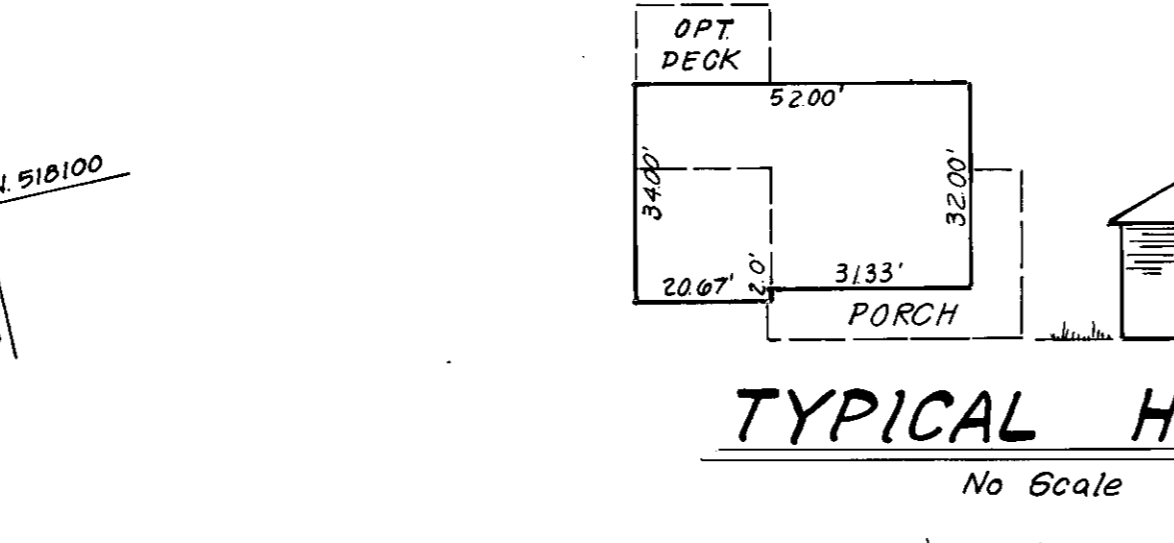
- CONSTRUCTION SPECIFICATIONS:**
- Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
 - Length - As required, but not less than 50 feet (except on a shape residence lot where a 150' min. length would apply).
 - Thickness - Not less than 6".
 - Width - Ten foot min, but not less than the full width at point where ingress of water occurs.
 - 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.
 - Surface Water - All surface water flowing or directed toward construction entrances shall be piped across the entrance. Piping is impractical, a mountable berm with 3:1 slopes will be permitted.
 - 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 use of sweeping with additional care as conditions demand. Sediment spilled, dropped, washed or tracked onto public rights of way must be removed immediately.
 - 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.

STABILIZED CONSTRUCTION ENTRANCE (S.C.E.)
NO SCALE

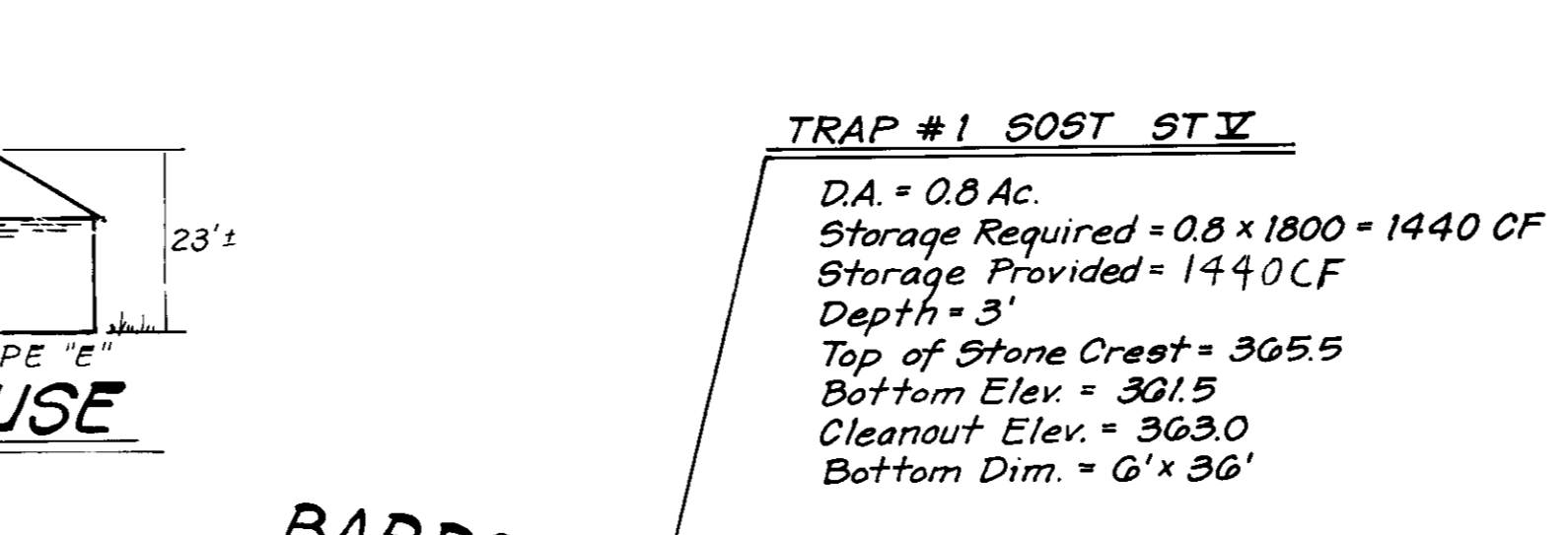


- CONSTRUCTION SPECIFICATIONS:**
- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The soil area shall be cleared.
 - The fill material for the embankment shall be free of roots and other woody vegetation as well as over sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
 - All cut and fill slopes shall be 2:1 or flatter.
 - The stone used in the outlet shall be small rip rap 4"-8" along with 1" thickness of 2" aggregate placed on the up-grade side on the small rip rap or embedded filter cloth in the rip rap.
 - Sediment shall be removed and free restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
 - The structure shall be inspected after each rain and repairs made as needed.
 - Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 - The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

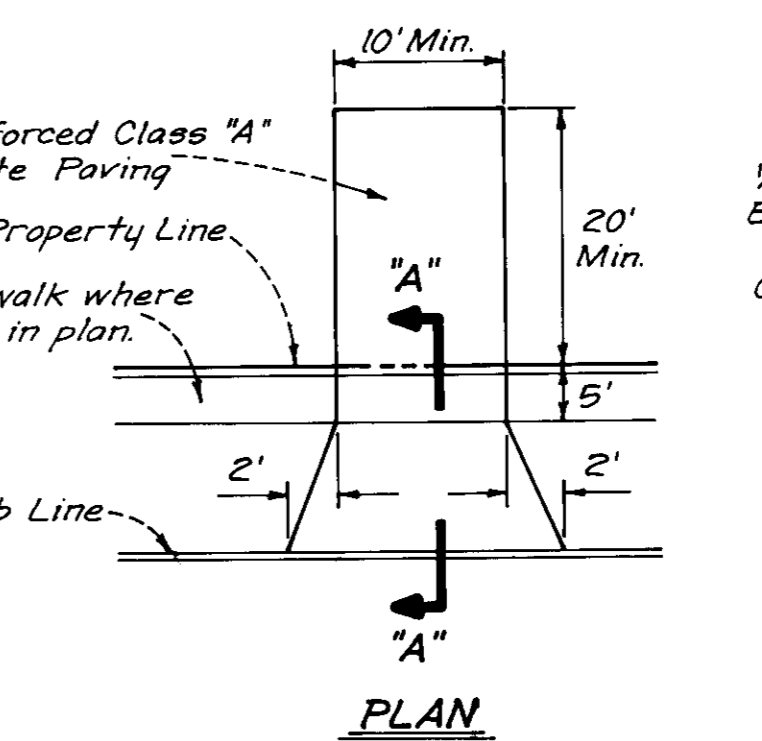
STONE OUTLET SEDIMENT TRAP (S.O.ST.) ST.V.
NO SCALE



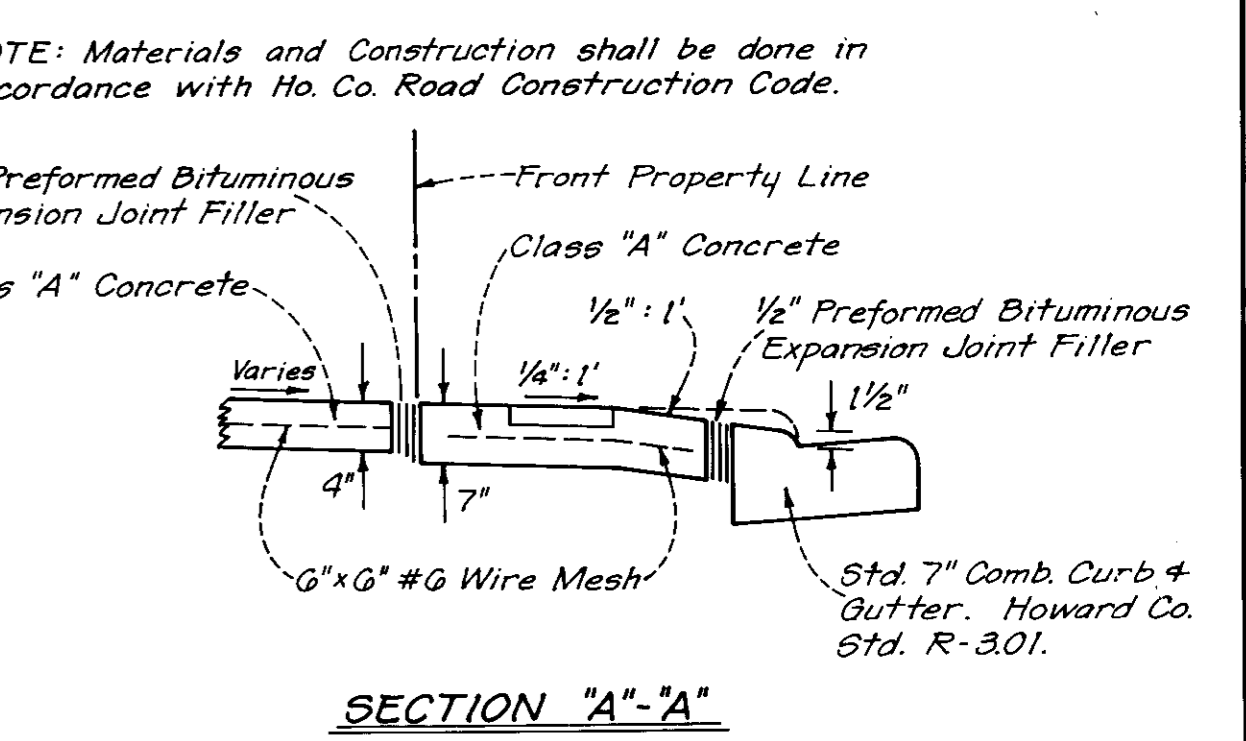
TYPICAL HOUSE
No Scale



TRAP #1 SOST ST.V.



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



SECTION "A-A"

DEVELOPER'S BUILDER'S CERTIFICATE

"I hereby 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 of Developer/Builder: HARRY LUNDY, JR.
Date: 1-9-85

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: G. Nelson Clark
Date: 1-8-85

ADDRESS CHART

LOT #	STREET ADDRESS
358	4225 Blue Barrow Ride
359	4204 Scarlet Sage Court

SUBDIVISION NAME
DORSEY HALL

SECT./AREA/LOT/PARCEL #
1/5 358+359

PLAT # or L/F/BLOCK # ZONE TAX ZONE MAP/ELEC. DIST. CENSUS TR.
4879 20 R-20 24 2nd 0023.01

WATER CODE
F08

SEWER CODE
5830000

APPROVED

Signature: [Signature]
Date: 1-29-85

CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS

11315 LOCKWOOD DRIVE · SILVER SPRING, MARYLAND 20904 · (301) 983-3400

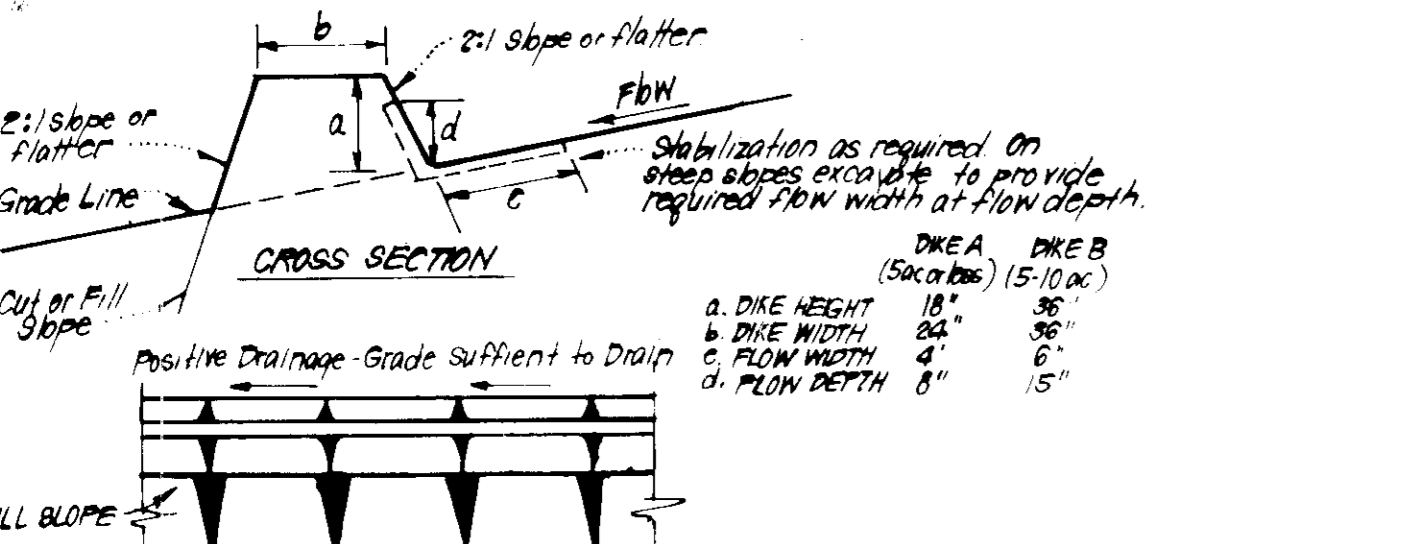
DESIGNED J.M.P.
DRAWN J.L.S.
DATE 1-29-85

SITE DEVELOPMENT AND SEDIMENT & EROSION CONTROL PLAN
LOTS 358 + 359

DORSEY HALL
SECTION 1 AREA 5
2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: LUNDY + CLARK BUILDERS, INC.
P.O. Box 1013
Columbia, Maryland 21044

SCALE 1" = 30'
DRAWING 1 of 1
JOB NO. 84-107
FILE NO. 84-107 X



CONSTRUCTION SPECIFICATIONS:

- All dikes shall be compacted by earth-moving equipment.
- All dikes shall have positive drainage to an outlet.
- Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction traffic.
- Final location should be adjusted as needed to utilize a stabilized safe outlet.
- Earth dikes shall have an outlet that functions with a minimum of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin where either the dike channel or the drainage area above the dike are not adequately stabilized.
- Stabilization shall be: (A) in accordance with standard specifications for seed and straw mulch or straw mulch if not in seeding season, (B) flow channel as per chart below.

FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	0.5 - 3.0%	Seed & Straw Mulch	Seed or Straw Mulch
2	3.1 - 5.0%	Seed & Straw Mulch	Seed w/ Mulch or Excelsior Sod, 2" Stone
3	5.1 - 8.0%	Seed w/ Mulch or Sod, 2" Stone	Lineal Rip Rap 4" Stone
4	8.1 - 20.0%	Lineal Rip Rap 4" Stone	Engineering Design

A Stone to be 2" Stone, or recycled concrete equivalent, in a layer at least 3" thick and repressed into soil with construction equipment.
 B Rip Rap to be 4"-8" in a layer at least 8" thick, pressed into soil.
 C Approved equivalents can be substituted for any of the above materials.

7. Periodic inspection and Required Maintenance must be provided after each rain.

EARTH DIKE DETAIL (E.D.)
NO SCALE

- LEGEND**
- Contour Interval 2 Ft.
 - Existing Contour
 - Proposed Contour
 - Spot Elevation
 - Direction of Drainage
 - Ex. Trees to be Retained
 - Earth Dike ED(A-D)
 - Stabilized Construction Entrance SCE

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

Signature: [Signature] DATE: 2-7-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

Signature: [Signature] DATE: 3-11-85

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

Signature: [Signature] DATE: 3-1-85

CHIEF BUREAU OF ENGINEERING

Reviewed for HOWARD S.C.D. Name and meets Technical Requirements

Signature: [Signature] DATE: 01/23

U.S. Soil Conservation Service

AS DEVELOPER/PLANNERS AS APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT