

PERMANENT SEEDING NOTES

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

Seeding 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 of calcitic limestone (92 lbs/1000 sq ft) and 100 lbs per acre of 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 500 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- 2) Acceptable - Apply 2 tons per acre of dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (13 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 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

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.

Seeding 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 25 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.

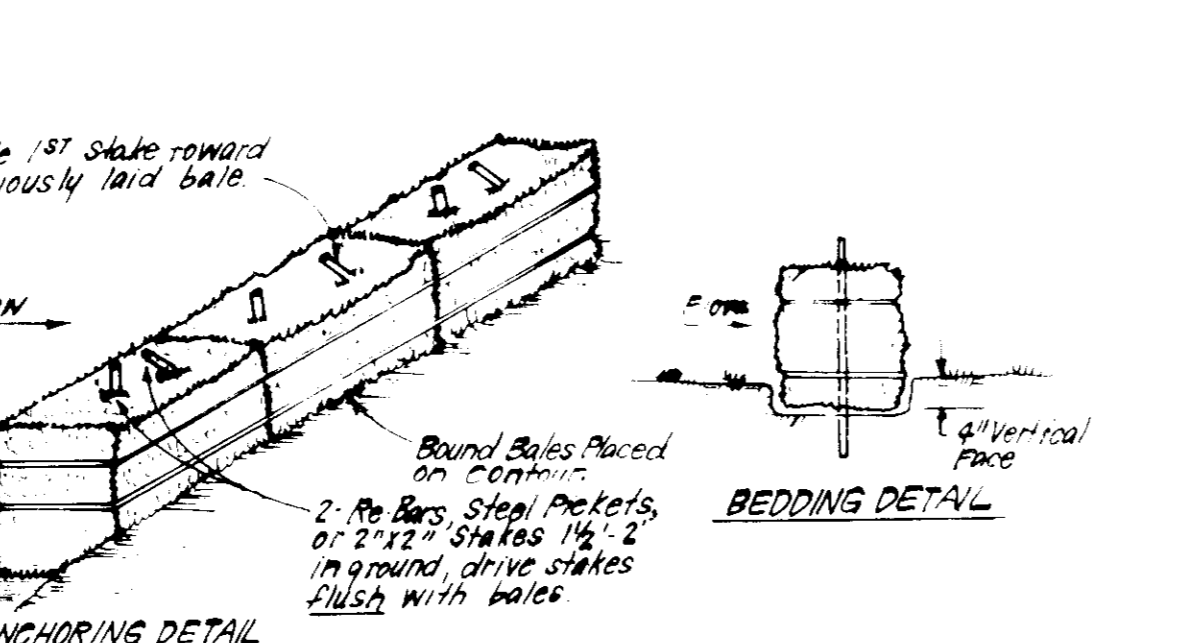
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

SEDI-MENT

- 1) A minimum of 24 hours notice must be given to the District Engineer of Inspection and Permits (201) 222-2222 prior to any construction. (992-2137)
- 2) All sediment control practices are to be installed and maintained in accordance with this plan and are to be in compliance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) Following initial earth disturbance or redistribution, permanent or temporary stabilization shall be completed within a) 14 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 4:1, 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. 31) and temporary seeding (Sec. 50) and mulching (Sec. 12). Temporary stabilization with mulch alone is not to 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: 0.259 Acres
Area Disturbed: 0.207 Acres
Area to be roofed or paved: 0.063 Acres
Area to be vegetatively stabilized: 0.144 Acres
Total Soil: 1557 Cu. yds
Total Fill: N/A
Offsite waste/sediment 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 DEP 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-Sold" basis, or random, Single Lot Sediment Control as shown below shall be implemented. N/A
- 12) All areas 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 130 L.F.

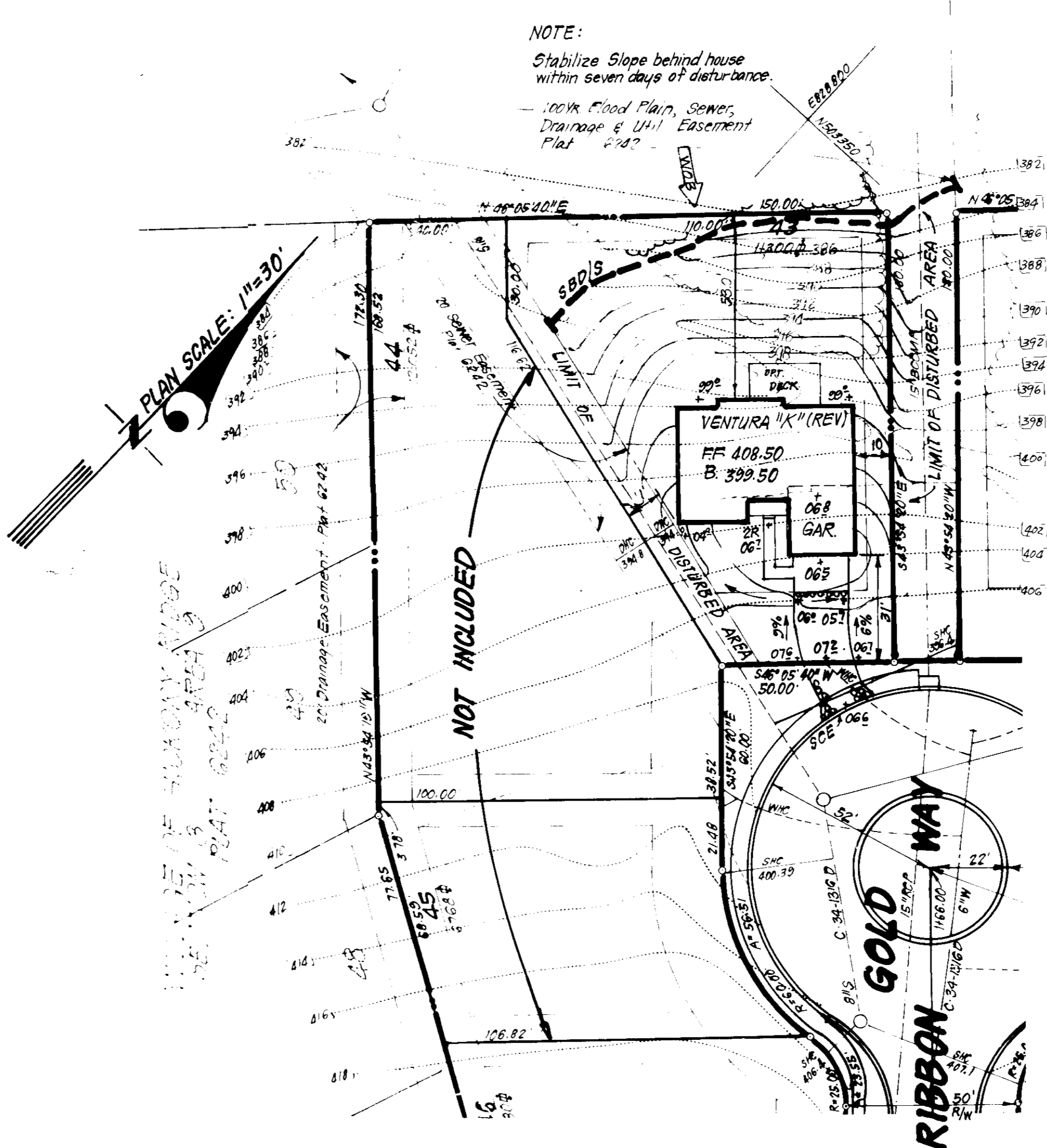
CONSTRUCTION SCHEDULE

DESCRIPTION	No. of DAYS
A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	2
B. Excavate for foundations and Rough Grade if temporarily stabilize	5
C. Construct Structures, Sidewalks and Driveways.	35
D. Final Grade and stabilize in accordance with S.D.S. & Specs.	5
E. Upon approval of the sediment control inspector remove sediment and erosion controls and stabilize.	1



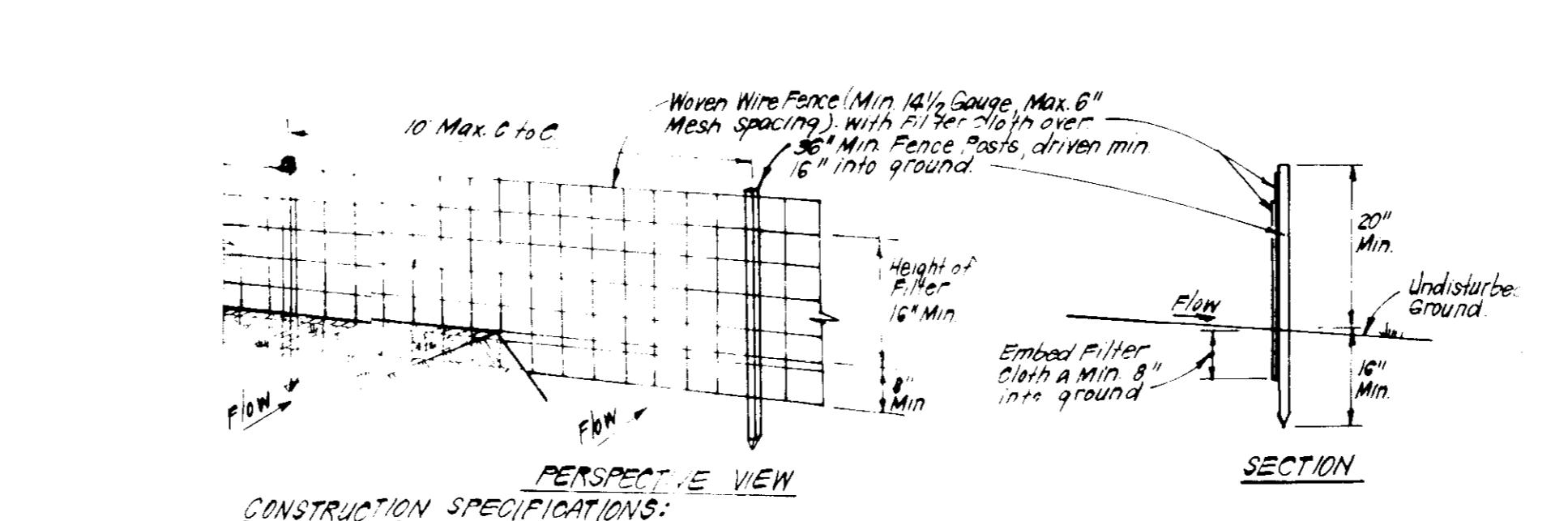
- CONSTRUCTION SPECIFICATIONS:
1. Bales shall be placed at the top of a slope or on the contour and in a row with ends tightly abutting the adjacent bales.
 2. Each bale shall be embedded in the soil a min. of 1" and placed so the binders are horizontal.
 3. Bales shall be securely anchored in place by either a) stakes or rebar driven thru the bale. The 1st stake in each bale shall be driven down the previously laid bale at an angle to force the bales together. Stakes shall be driven flush with the bale.
 4. Inspection shall be frequent and repair/replacement shall be made promptly as needed.
 5. Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

STRAW BALE DIKE DETAIL (SBD) NO SCALE



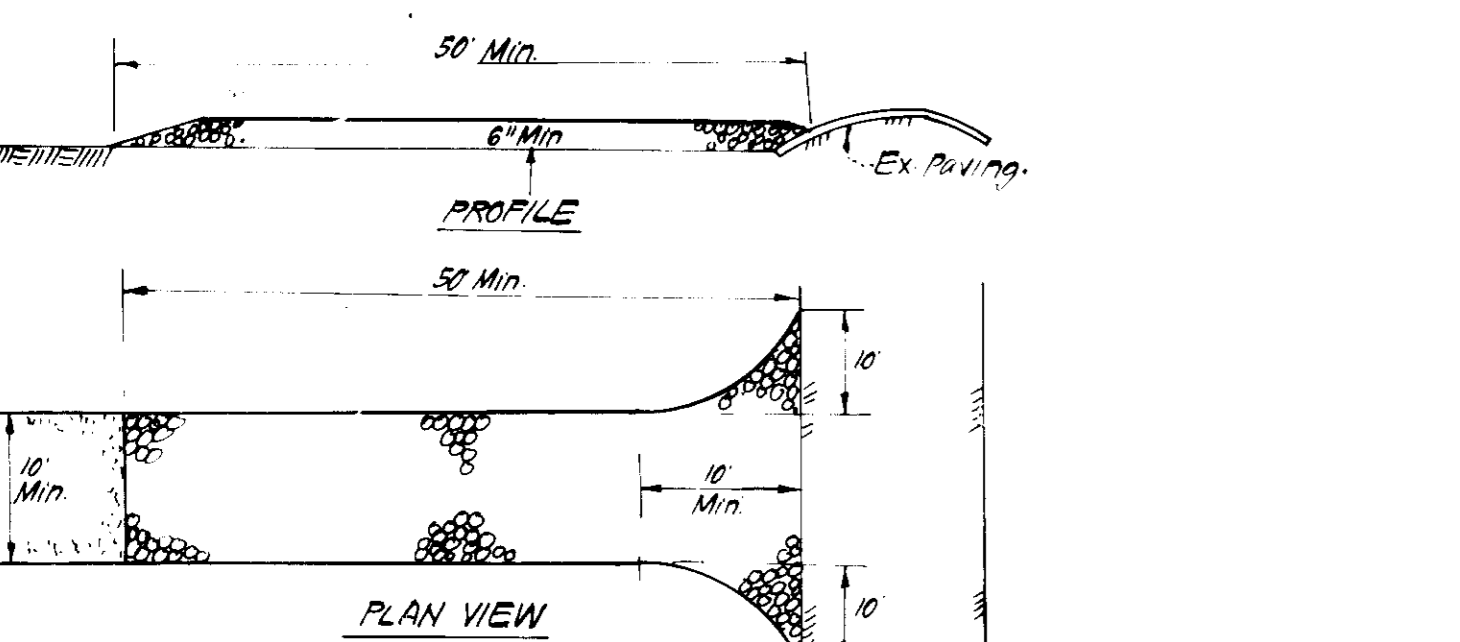
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- CONSTRUCTION SPECIFICATIONS:
1. Woven wire fence to be fastened securely to fence posts with wire ties or staples.
 2. Filter cloth to be fastened securely to woven wire fence with ties spaced every 24" at top and mid section.
 3. When sections of filter cloth adjoin each other they shall be overlapped by 6" and stapled.
 4. Maintenance shall be performed as needed and material removed when "bulges" develop in Silt Fence.
- POSTS: Steel, either T or U Type or 2" Hardwood
FENCE: Woven Wire, 1 1/4 Gauge
6" Max. Mesh Opening
FILTER CLOTH: FilterX, Mirafix 100X, Stabilite, T140N or Approved.
PREFABRICATED UNIT: Geotex, Envirofence, or Approved equal

SILT FENCE DETAIL (S) NO SCALE



- 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 130' min. length would apply).
 3. Thickness - Not less than 6".
 4. Width - Top 10" min, but not less than the full width at point where ingress of grass 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.
 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 conditions demand and repair and/or cleanup of any measures 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.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

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

TYPICAL HOUSE NO SCALE

GENERAL NOTES:

1. The area included in this plan is zoned New Town - SEVF, per 1983 Phase III Part II.
2. Coordinates are based upon traverse controls for Columbia established by Maps Inc. in 1965 and Purdum Veselke in 1968, which controls were tied to the Maryland Bureau of Control Survey Monuments and to U.S. Coast and Geodetic Survey Monuments in the Columbia Area.
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: 0.259
6. Total Number of Lots: 1

NOTE: The contractor or developer shall contact the Construction Inspection Division, 24 hours in advance of commencement of work, at 792-7272.

LEGEND:

1. Contour Interval: 2 Ft
2. Existing Contour: 410
3. Proposed Contour: 410
4. Spot Elevation: 1105
5. Direction of Drainage: (arrow symbol)
6. Existing Trees to be Saved: (tree symbol)
7. Walk Out Basement: (arrow symbol)
8. Straw Bale Dike or Silt Fence: (diagonal line symbol)
9. Stabilized Construction Entrance: (diagonal line symbol)

Storm Water Management provided for in central Facility in Village of Hickory Ridge #1, Approved plans F-83-120.

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

DATE: 2-13-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DATE: 2-14-86

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

DATE: 2-14-86

DATE: 2-1-86

ENGINEER'S CERTIFICATE

I hereby certify that this plan for EROSION and SEDIMENT CONTROL represents a practical and workable plan and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

DATE: 2-13-86

DATE: 2-15-86

DATE: 2-31-85

CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS

11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904

DESIGNED: GLB
DRAWN: BAF
CHECKED: BAF
DATE: 12-31-85

13151 501 1400

SCALE: 1" = 40'

DRAWING: 10F1

JOB NO: 85-078

FILE NO: 85-078-1

FOR: ALLAN HOMES, INC.
P.O. BOX 1059
COLUMBIA, MD. 21042

S.D.P. 86-139C

LOT NO.	STREET	ADDRESS
43	12113	Gold Ribbon Way

SUBDIVISION NAME	SECTION	AREA	LOTS
VILLAGE OF HICKORY RIDGE	3	3.19	43

PLAT #	BLOCK #	ZONE	DATE	FILE NO.	REVISION
0222	4	S.F.M.O.	35	574	005301

WATER CODE	SEWER CODE
1-15	5585300