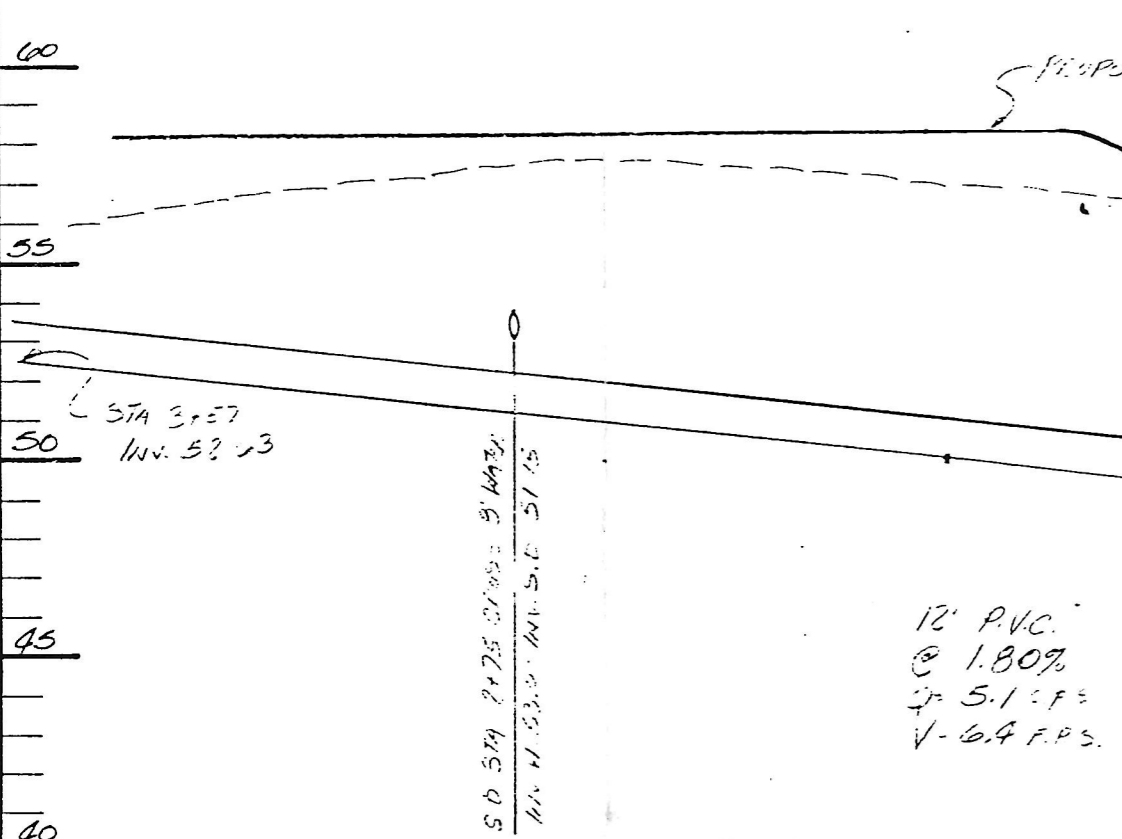


GENERAL NOTES

- Prior to grading, areas to be graded shall be cleared of all trees, refuse, brush, grass and roots. Topsoil shall be stripped and stored. The areas under proposed fills shall be plowed or scarified to a depth of six inches. The soil shall be compacted to undisturbed soil below by discing, leveling, rolling and compacting to the density specified for compacted fill.
- Placing, spreading and compacting fill material:
 - The fill shall be placed in layers not exceeding 8 inches. Each layer shall be spread uniformly and evenly.
 - Each layer shall be thoroughly compacted to not less than 95% of the maximum dry density as determined by ASTM D1557.
 - Compaction shall be by approved pneumatic tired rollers, vibratory rollers or other type of acceptable roller.
 - When work is interrupted by rain, filling shall not resume until the moisture content and density of the top layer conform to the specifications.
- All pipe elevations are to invert of pipe. Dimensions to building are to face of building walls. Dimensions to paved areas are to face of curb. Dimensions on pipes are to center line of pipes.
- Existing utilities are shown for the convenience of the contractor, but the completeness or accuracy is not guaranteed. The contractor shall determine the location and elevation of existing utilities at his own expense. The contractor shall be responsible for all damage to existing utilities during construction.
- All water and sewer lines shall be of the size and location shown on the plan. Materials shall be in accordance with the Harford County Standard Specifications for Water Mains and Sanitary Sewers.
- All road, curb sidewalk and storm drain construction shall be in accordance with the Harford County Road Code and Standard Specifications.
- Paving shall conform to the following sections:
 - Asphalt parking area adjacent to part of building:
 - "1" bituminous concrete surface course "SN"
 - "1" bituminous concrete surface course "SN"
 - "1" CR-467 base course
 - All other paved areas (TRUCK AREA AND RAMP DRIVE EXTENSION)
 - "1" bituminous concrete surface course "SN"
 - "1" bituminous concrete surface course "SN"
 - "1" CR-467 base course
- All curbs shall be concrete curb and gutter in accordance with the detail shown on the plans.
- Storm drains shall be constructed in accordance with the Harford County Road Code and shall be 6' wide where adjacent to a parking lot and 4' wide at all other locations unless otherwise specified by the plans.
- Handicapped parking spaces shall be 9' x 18', except handicapped parking spaces which shall be 12' wide.

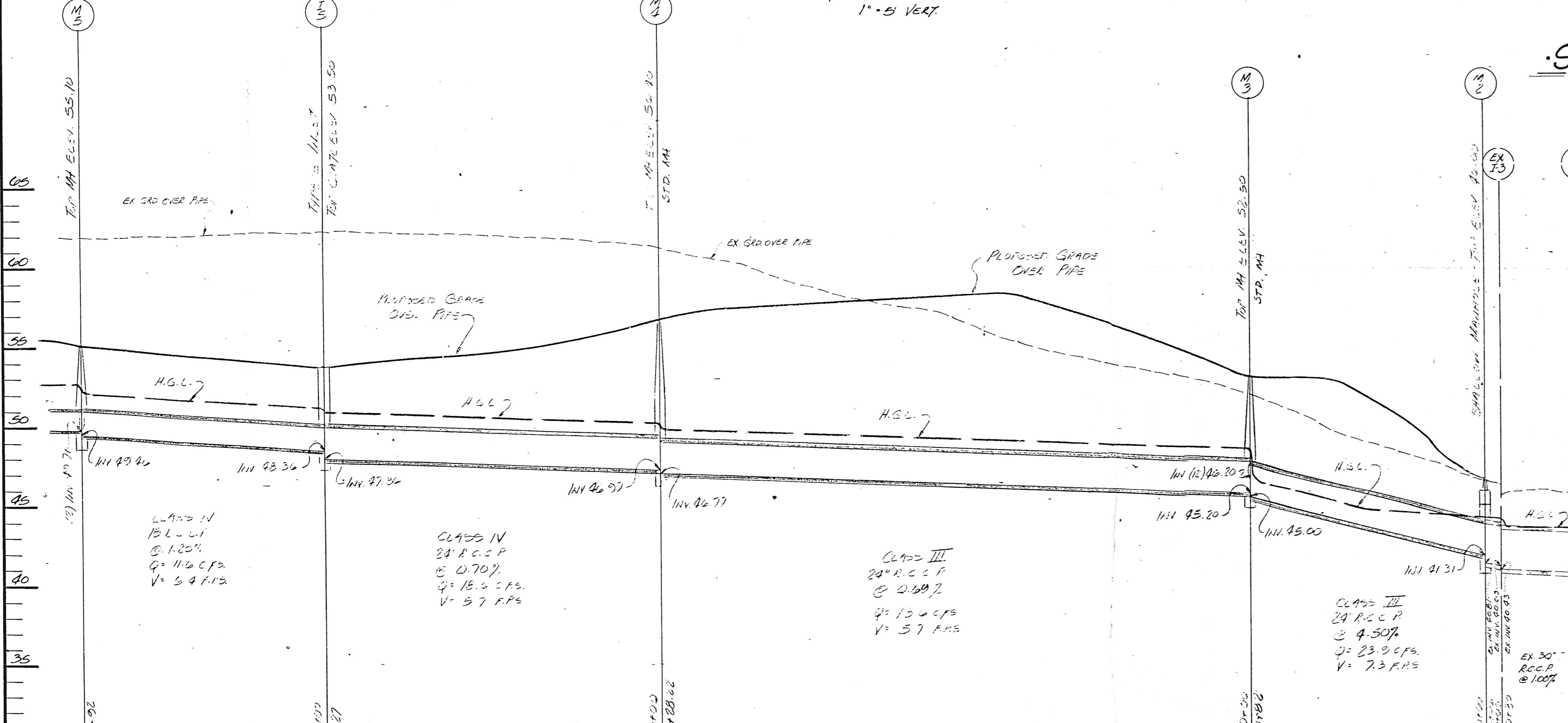
STORM DRAIN PROFILE

SCALE: 1" = 30' HORIZ.
1" = 5' VERT.



STORM DRAIN PROFILES

SCALE: 1" = 30' HORIZ.
1" = 5' VERT.

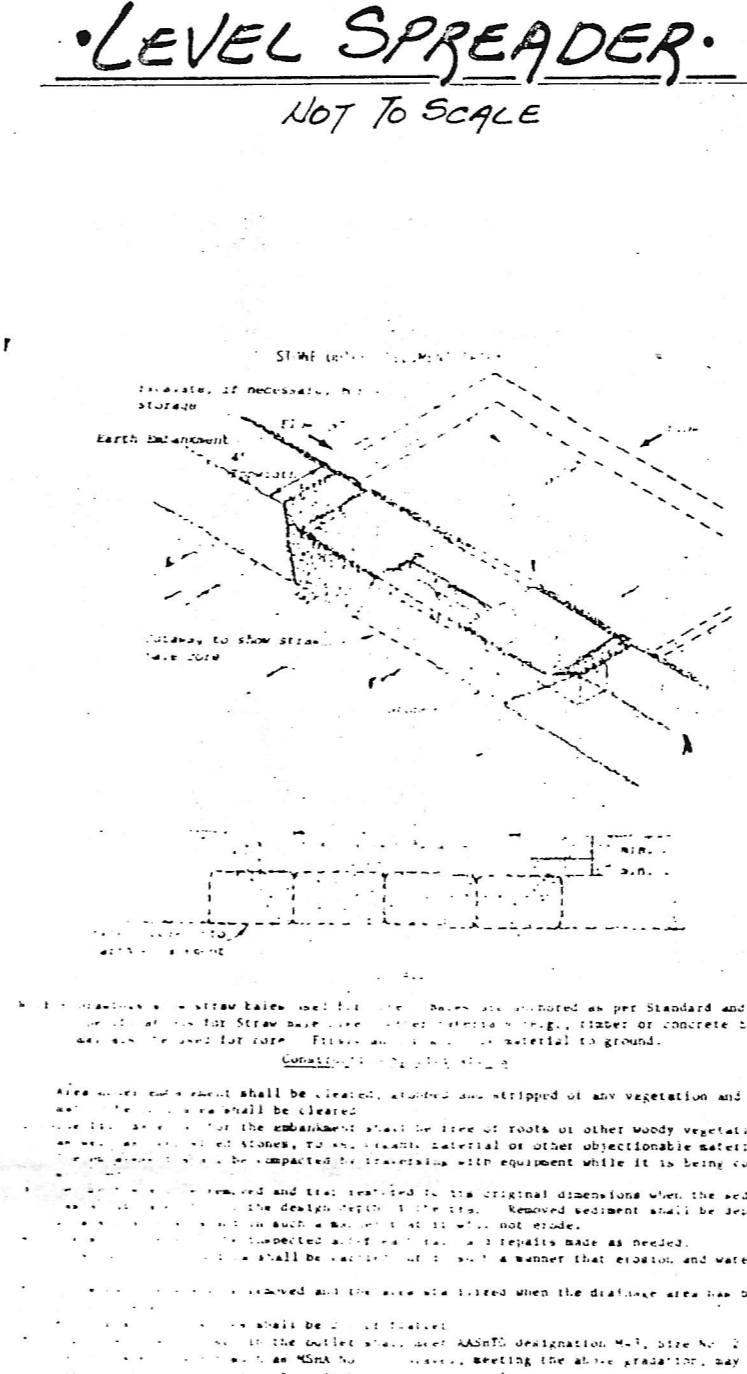
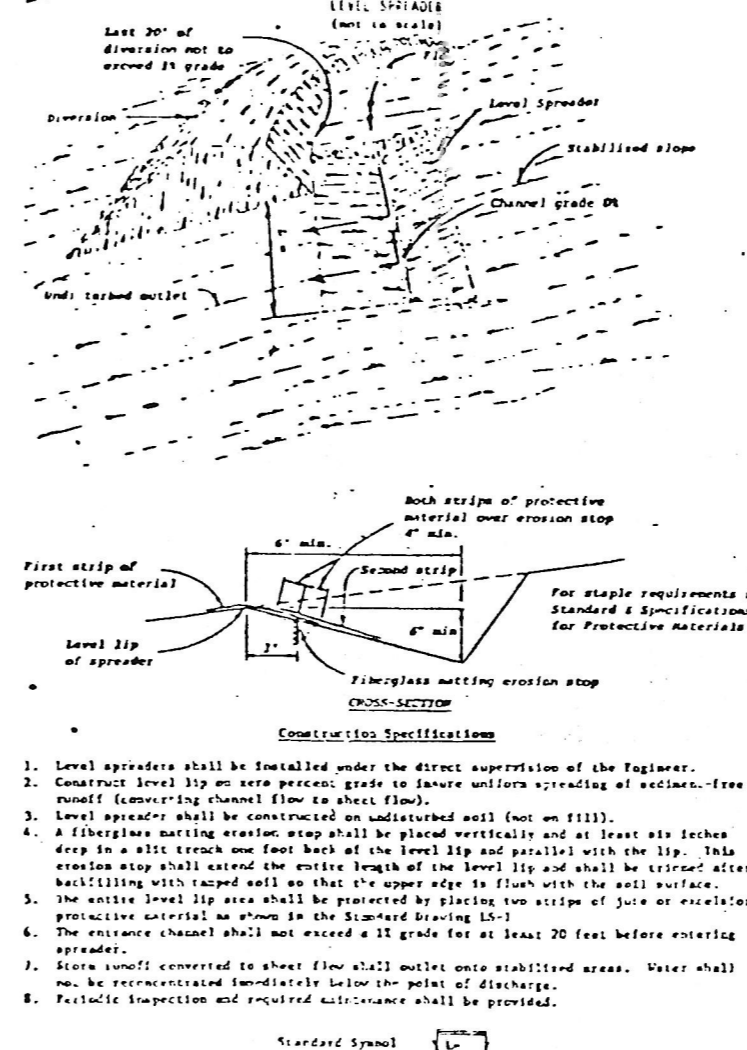


STORM DRAIN PROFILES

SCALE: 1" = 30' HORIZ.
1" = 5' VERT.

LEVEL SPREADER

NOT TO SCALE

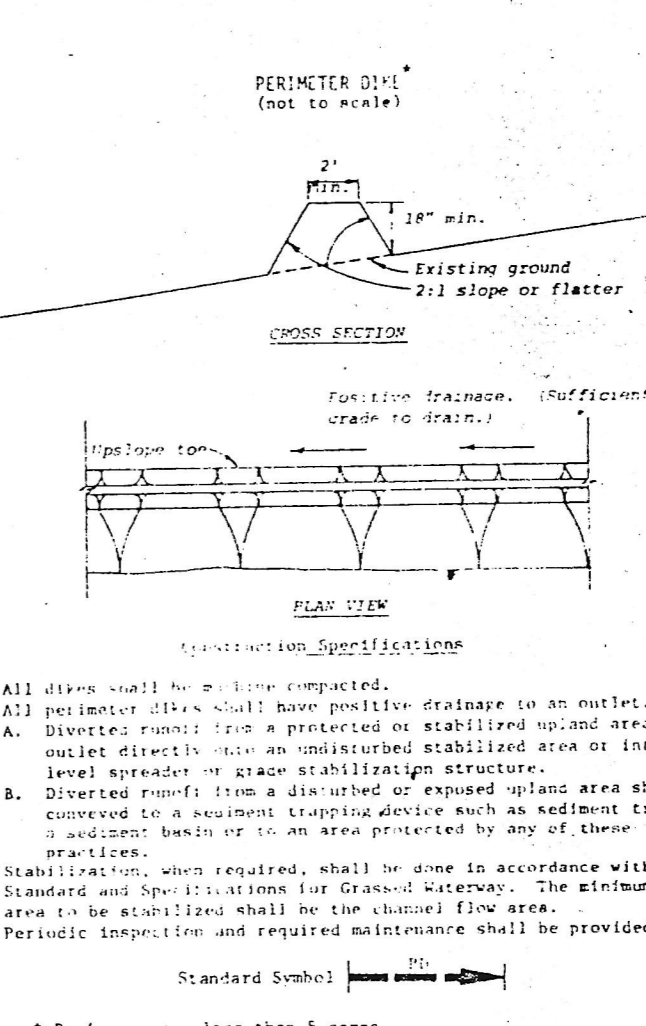


STONE OUTLET SEDIMENT TRAP

NOT TO SCALE

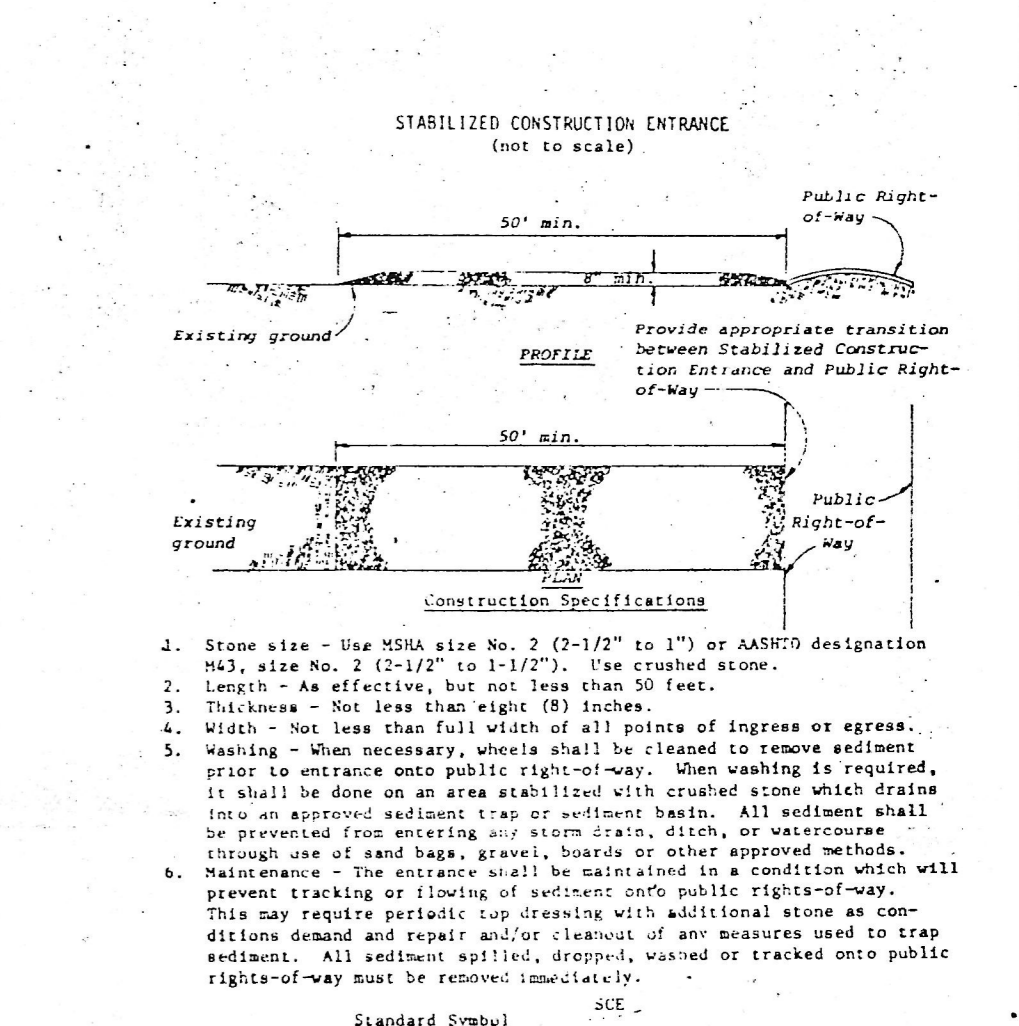
PERIMETER DIKE

NOT TO SCALE



STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE



- During construction every possible means will be taken to control soil erosion and siltation.
- All sediment control practices must be installed prior to beginning major grading, clearing or construction operations. No major operations will be carried on prior to the completion of these measures without authorization of the Harford County Department of Licenses & Permits, Sediment Control Inspector.
- Dikes, diversions, level ridges, etc. will be located as closely as possible to the locations on this drawing. Field changes and minor adjustments are permissible as long as the installation functions and conforms to specs.
- Sediment control or debris basins must be built to design specifications shown. Specified materials must be used. No changes or modifications will be made without written authorization from the Harford County Department of Licenses & Permits, Sediment Control Inspector.
- Liming, fertilizing, seeding, mulching, sodding, etc. where specified are an essential part of sediment control and must be completed along with the other measures.
- All disturbed areas will be stabilized as follows: Apply 92 lbs./1000 S.F. dolomitic limestone and 14 lbs./1000 S.F. 0-20-20 fertilizer. At the time of seeding apply 11 lbs./1000 S.F. of 10-20-20 fertilizer. Seeding - For the periods March 1 thru April 30 and August 1 thru October 15, seed with 60 lbs. per square 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. Apply 1.5 tons/acre straw mulch (anchored).
- Practices installed will be maintained during construction.
- Temporary seeding shall be 40 lbs. rye grass/acre.
- Copy of approved sediment control plan shall be available at the site.
- Temporary stabilization of the site, exclusive of roads and utility rights-of-way, shall be accomplished immediately after rough grading is complete unless fine grading, seeding, and mulch are proposed to be completed within 30 calendar days after initial disturbance.
- Sediment control structures will be removed only with the authorization of the Sediment Control Inspector.

- CONSTRUCTION SPECIFICATIONS
- All dikes shall be 3' high.
 - All perimeter dikes shall have positive drainage to an outlet.
 - Diverted runoff from a protected or stabilized area shall be directed to an approved sediment trap or a sediment basin.
 - Stabilization, when required, shall be in accordance with Standard and Specifications for Stabilized Construction Entrance.
 - Periodic inspection and required maintenance shall be provided.

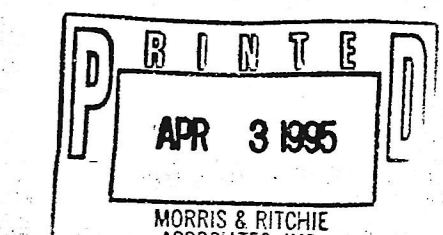
- CONSTRUCTION SPECIFICATIONS
- Stone size - Use MSHA size No. 2 (2-1/2" to 1") or AASHTO designation M3, size No. 2 (2-1/2" to 1-1/2"). Use crushed stone.
 - Length - An effective, but not less than 50 feet.
 - Thickness - Not less than eight (8) inches.
 - Width - Not less than full width of all points of ingress or egress.
 - Sealing - When necessary, joints shall be sealed to prevent sediment prior to entrance onto public right-of-way. When sealing is required, it shall be done on an area stabilized with crushed stone which drains into an approved sediment trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch, or watercourse through use of sand bags, gravel, boards or other approved methods.
 - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right-of-way. This may require periodic top dressing with additional stone as a condition demand and repair and/or cleanup of any measures used to trap sediment. All sediment applied, dropped, washed or tracked onto public right-of-way must be removed immediately.

SITE ANALYSIS:

Area of Site:	3.7 AC.
Disturbed Area:	3.7 AC.
Area of Building and Paving:	2.5 AC. +
Area to be Vegetated:	1.2 AC. +

EARTHWORK QUANTITIES

Cut:	11,500 C.Y.
Fill:	4,200 C.Y.
Excess:	7,300 C.Y.
Topsoil:	5,400 C.Y.



- SEQUENCE OF OPERATIONS
- Notify Harford County Department of Inspection, Licenses and Permits, Sediment Control Inspector prior to start of operations.
 - Install and stabilize sediment control measures.
 - Rough grade site and begin building construction.
 - Installation of utilities.
 - Fine grading of site.
 - Installation of stone base for parking lots, pave and curb site.
 - Vegetative stabilization of site.
 - Remove sediment control measures with approval of Sediment Control Inspector and stabilize sediment control areas.

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