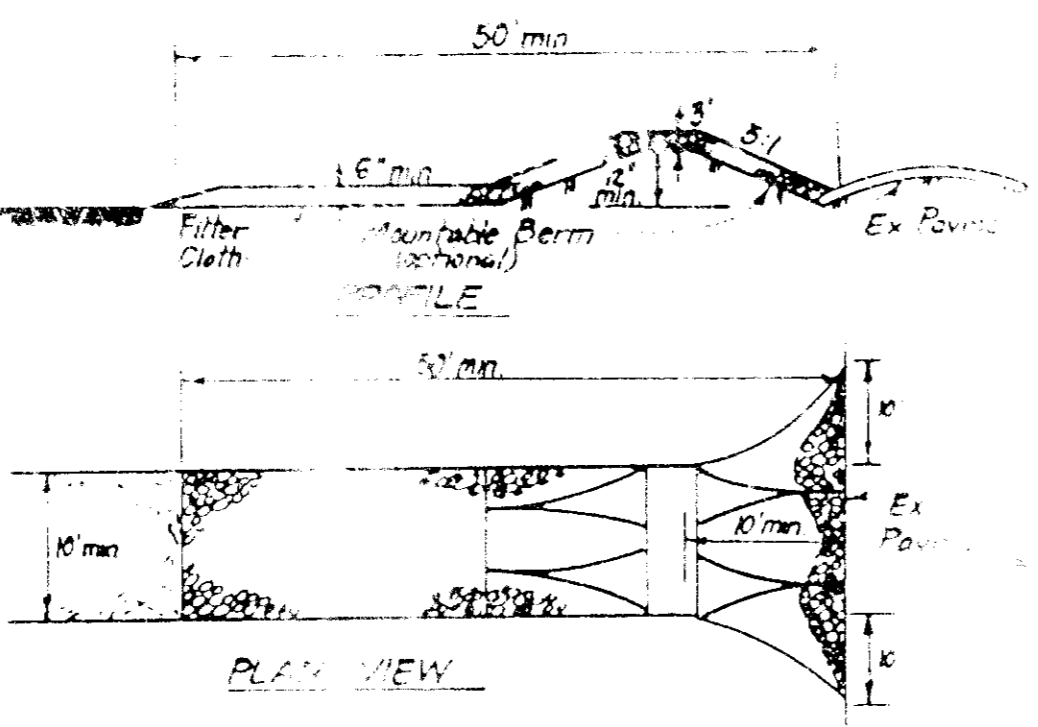
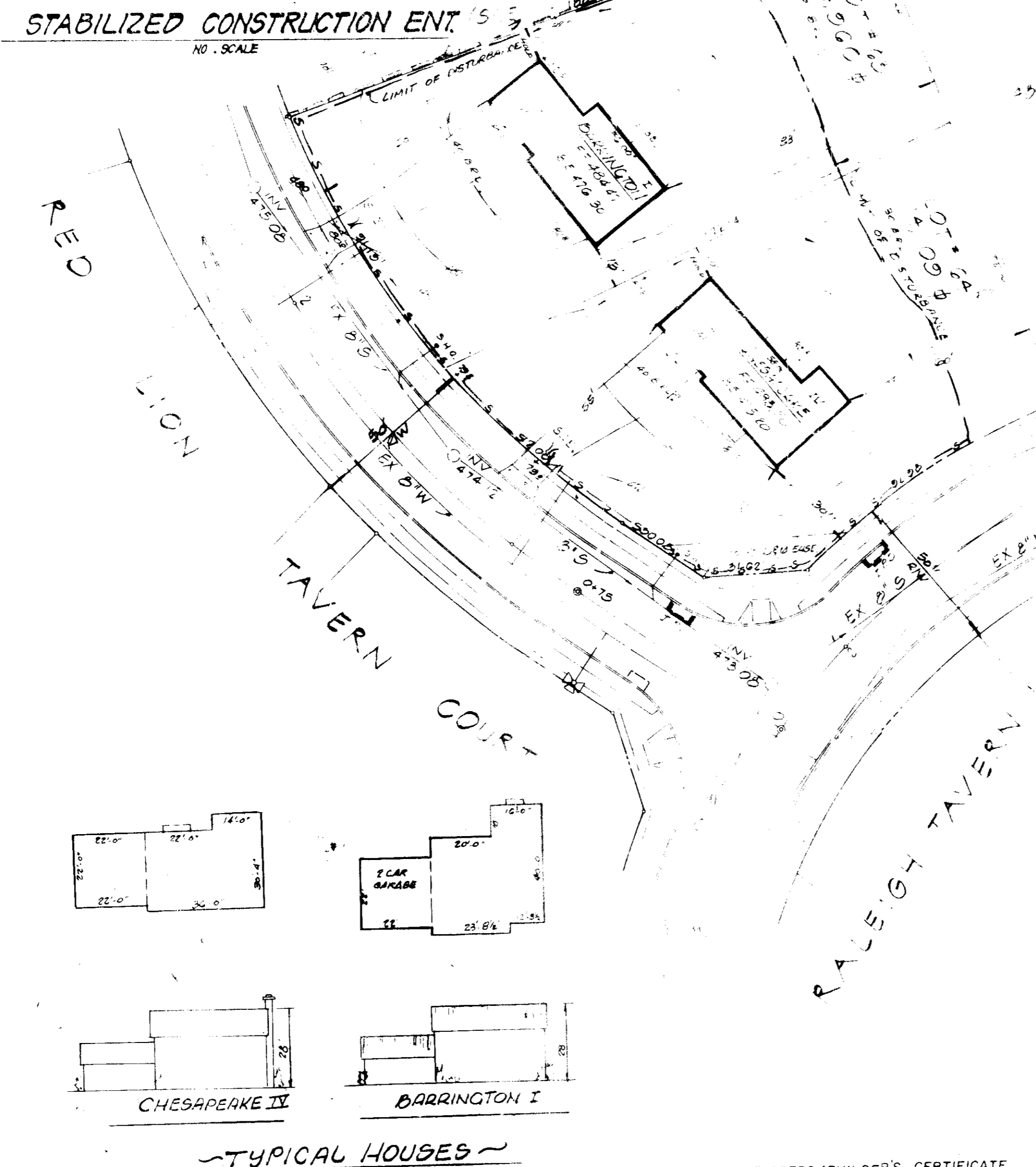


**SEDIMENT CONTROL NOTES**

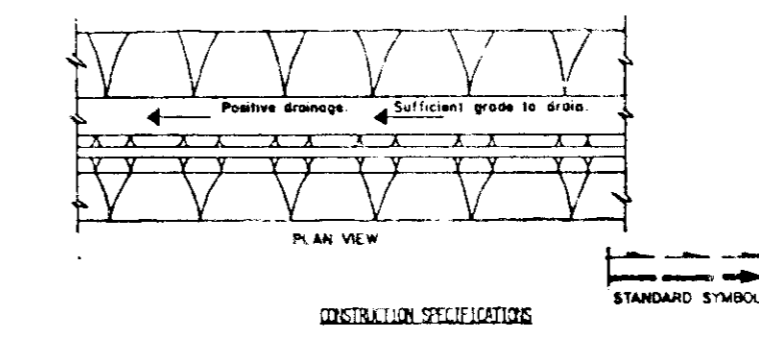
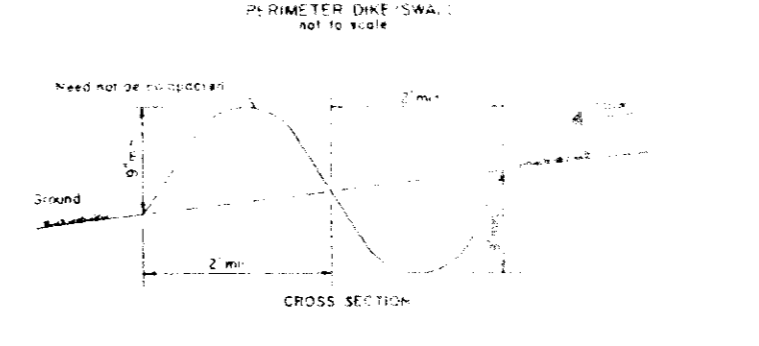
- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Planning prior to the start of any construction. (992-2437)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil clearing or redisturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, ditches, perimeter slopes and all slopes greater than 3:1. b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins must be fenced and warning signs posted around their perimeters in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- 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. 51) and (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be used when recommended seeding rates do not allow for proper germination and establishment of grasses.
- 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.
- Site Analysis:
  - Total Area of Site: 0.67 Acres
  - Area Disturbed: N/A Acres
  - Area to be roofed or paved: 0.47 Acres
  - Area to be vegetatively stabilized: 0.50 Acres
  - Total Cut: 380 Cu. yds
  - Total Fill: 380 Cu. yds
  - Off-site waste/borrow area location: N/A
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
- 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.
- If houses are to be constructed on an "As-Built" basis, at random, Single Lot Sediment Control as shown below shall be implemented.
- All pipes to be blocked at the end of each day (see detail below).
- The total amount of straw bale-dikes/silt fence equals 260 L.F.



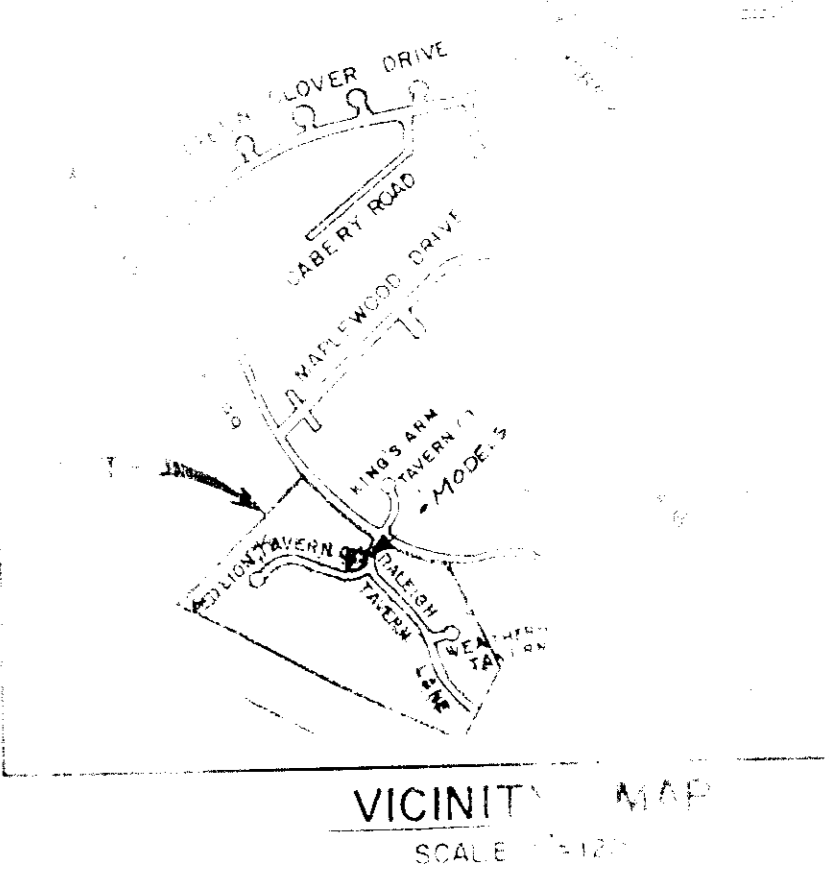
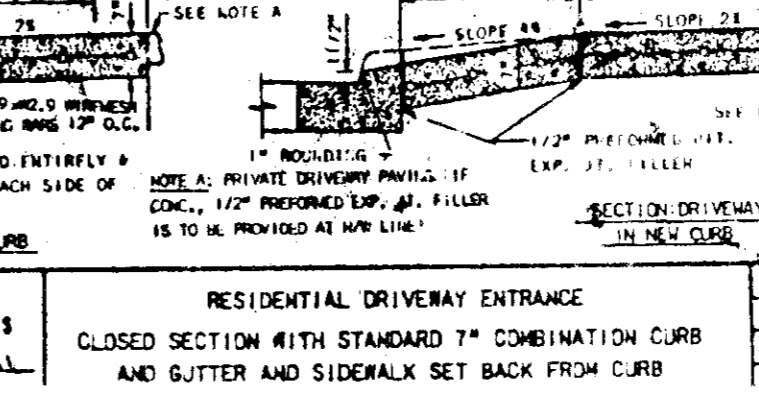
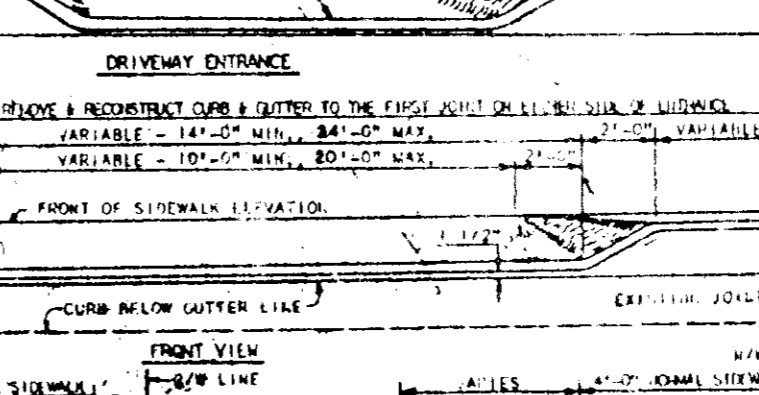
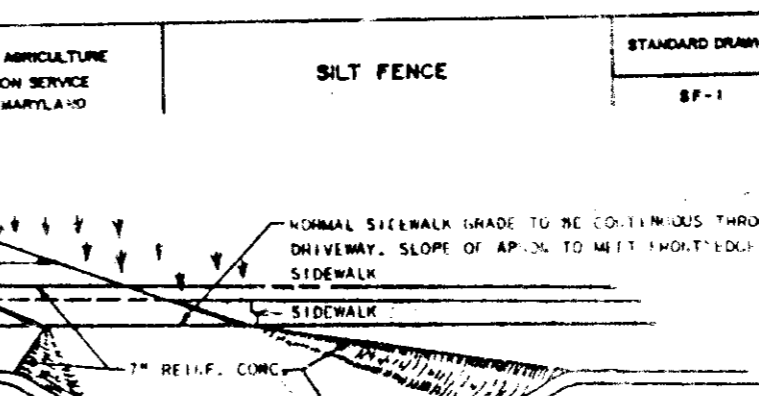
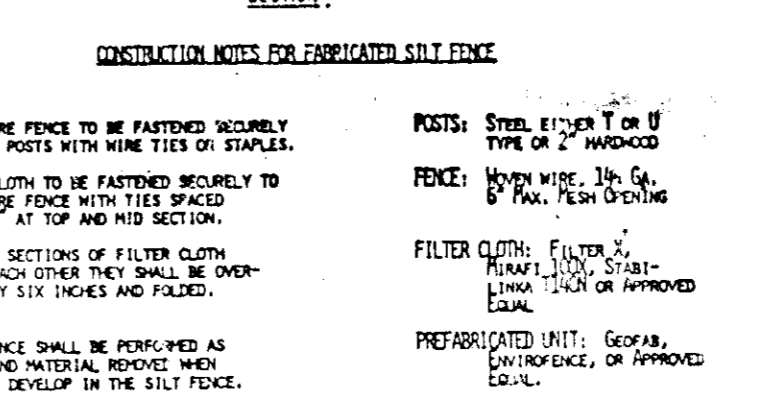
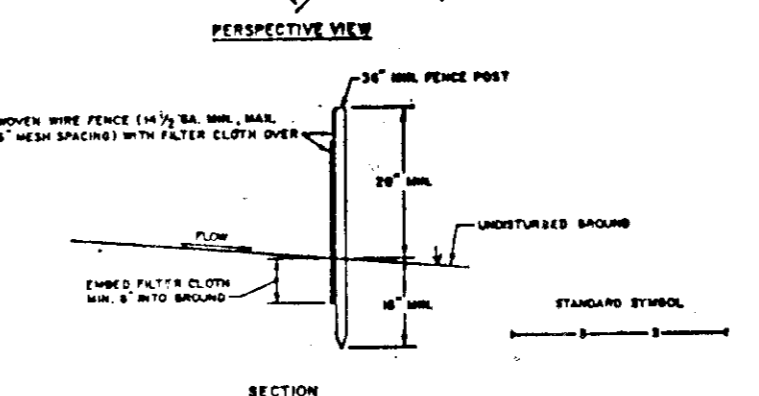
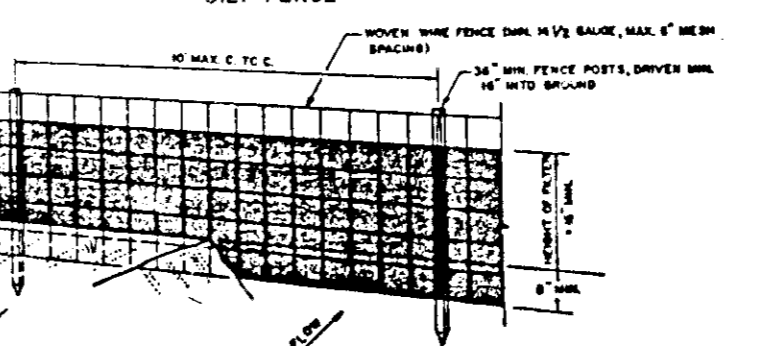
- CONSTRUCTION SPECIFICATIONS:**
- Stone size - Use 2" stone or reclaimed or recycled concrete equivalent.
  - Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
  - Thickness - Not less than six (6) inches.
  - Width - Ten (10) feet minimum, but not less than the full width of a storm where ingress or egress 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 diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a maintenance 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 top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All 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 stones and which drains into an approved sediment trapping device.
  - Periodic inspection and needed maintenance shall be provided after each rain.



- Construction Sequence**
- The sequence of construction must include, as a minimum, a schedule and time frame for the following activities:
- Obtain a grading permit.
  - Clearing and grubbing for the installation of perimeter sediment controls.
  - Remaining clearing and grubbing.
  - Grading roads and site.
  - Utility installation and treatment of storm drains (i.e., blocking or diverting to traps).
  - Final grading and final stabilization.
  - Removal of controls.



- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE:**
- NOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH NINE TIES OF STAPLES.
  - FILTER CLOTH TO BE FASTENED SECURELY TO NOVEN WIRE FENCE WITH TIE STAPLES.
  - NEED THE BOTTOM OF FILTER CLOTH FASTENED TO EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND PULLED.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND NECESSARY REMOVE WHEN RAINWATER DEVELOPS IN THE SILT FENCE.



- GENERAL NOTES**
- THE LAND INCLUDED IS ZONED R-20.
  - COORDINATES SHOWN ARE EXTENSIONS MADE FROM THE MARYLAND STATE PLANE COORDINATE SYSTEM. BEARINGS REFER TO THE TRUE NORTH AND ARE BASED ON HOWARD COUNTY GEODETIC SURVEY POINT NO. AND NO.
  - THE AREA COVERED IN THIS SUBMISSION IS LOCATED ON TAX MAP 17.
  - THE TOTAL AREA ON THIS PLAN IS 28,000 SQ. FT. (0.644).
  - ALL ROADS ARE PUBLIC AND EXISTING.
  - ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAYS SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
  - TOTAL NUMBER OF LOTS IN THIS SUBMISSION ARE 2.
  - STREET TREES WILL BE PROVIDED IN ACCORDANCE WITH SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS BY THE DEVELOPER.

**PERMANENT SEEDING NOTES**

- Apply to graded or cleared areas not subject to immediate further disturbance. A permanent long-lived vegetative cover is needed.
- Seeded Preparation:** Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.
- Soil Amendments:** In lieu of soil test recommendations, use one of the following seedbed amendments:
- 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 2 tons per acre 30-0-0 ureamorph 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 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 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 sod. Option (3) Seed with 2 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 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 349 gallons per acre (8 gal/1000 sq ft) for anchoring.

**Maintenance:** Inspect all seeded areas and make needed repairs, replacements and reseedings.

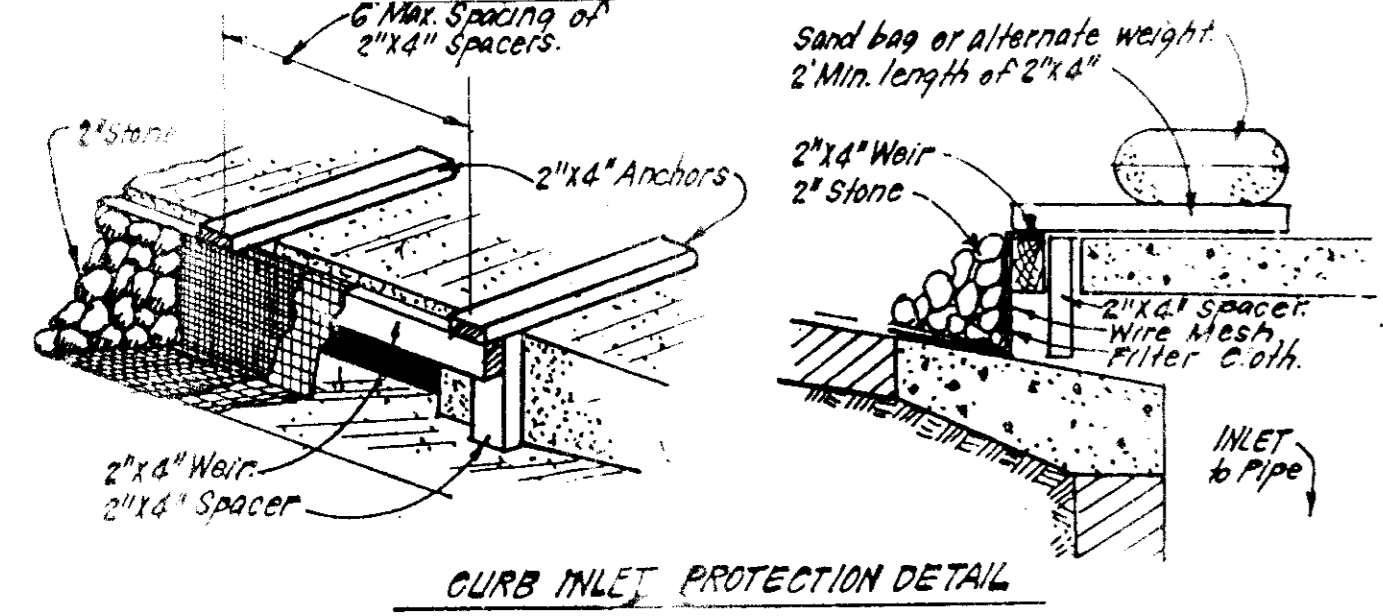
**TEMPORARY SEEDING NOTES**

- 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, disking 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 bushels per acre of annual ryegrass (3.2 lbs/1000 sq ft). For a 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 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 349 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.

**ADDRESS CHART**

LOT NO.	STREET ADDRESS
63	10804 REAR LION TAVERN COURT
64	10800 FRONT LION TAVERN COURT

SUBDIVISION NAME: MARKET SQUARE SOUTH  
 PLATING OF L.P. BLOCK NO: 7  
 ZONE: R-20  
 WATER CODE: H03



- II PROCEDURE: CURB INLET PROTECTION**
- Attach a continuous piece of wire mesh (3/4" min. width by throat length plus 4") to the 2"x4" (measuring throat length plus 2") as shown on std. drawing.
  - Place a piece of measuring filter cloth (40-85 sieve) of the same dimensions as the wire mesh over the wire mesh and securely attach to the 2"x4" wire.
  - Securely nail the 2"x4" weir to 3" long vertical spacers to be located between the weir and inlet face (max 6" apart).
  - Place the assembly against the inlet throat and nail (min. 2" lengths of 2"x4" in the top of the work at spacer locations. These 2"x4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.
  - The assembly shall be placed so that the end spacers are a min. 1" beyond both ends of throat opening.
  - From the wire mesh and 4" filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place clean 2" stone over the wire mesh and filter cloth in such a manner as to prevent water from entering the inlet under or around the filter cloth.
  - This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
  - Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow to inlet.

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

COUNTY HEALTH OFFICER \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 PLANNING DIRECTOR \_\_\_\_\_ DATE 4-24-86  
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

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

DIRECTOR \_\_\_\_\_ DATE \_\_\_\_\_  
 CHIEF BUREAU OF ENGINEERING \_\_\_\_\_ DATE \_\_\_\_\_

4-8-86

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: Stephen J. Chala DATE 4/15/86  
 SIGNATURE OF DEVELOPER / BUILDER: Robert Taylor DATE 4/15/86

DEVELOPERS / 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 PERSONS 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 CONTROL BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.

ENGINEERS' CERTIFICATE  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

LAND SURVEYOR: Walter Paul DATE 4-7-1986

**LAND DESIGN ASSOCIATES**  
 416 EAST JOPPA ROAD  
 TOWSON, MARYLAND 21284  
 (301) 321-0112

DESIGNED	DATE
RLW	3/5/86

**SITE DEVELOPMENT 8  
 SEDIMENT CONTROL PLAN  
 MARKET SQUARE SOUTH  
 LOTS 63 & 64  
 2ND ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND**

SCALE: 1" = 20'  
 DRAWING NO: 1 OF 2  
 SHEET NO: 1038 NO.  
 FILE NO: