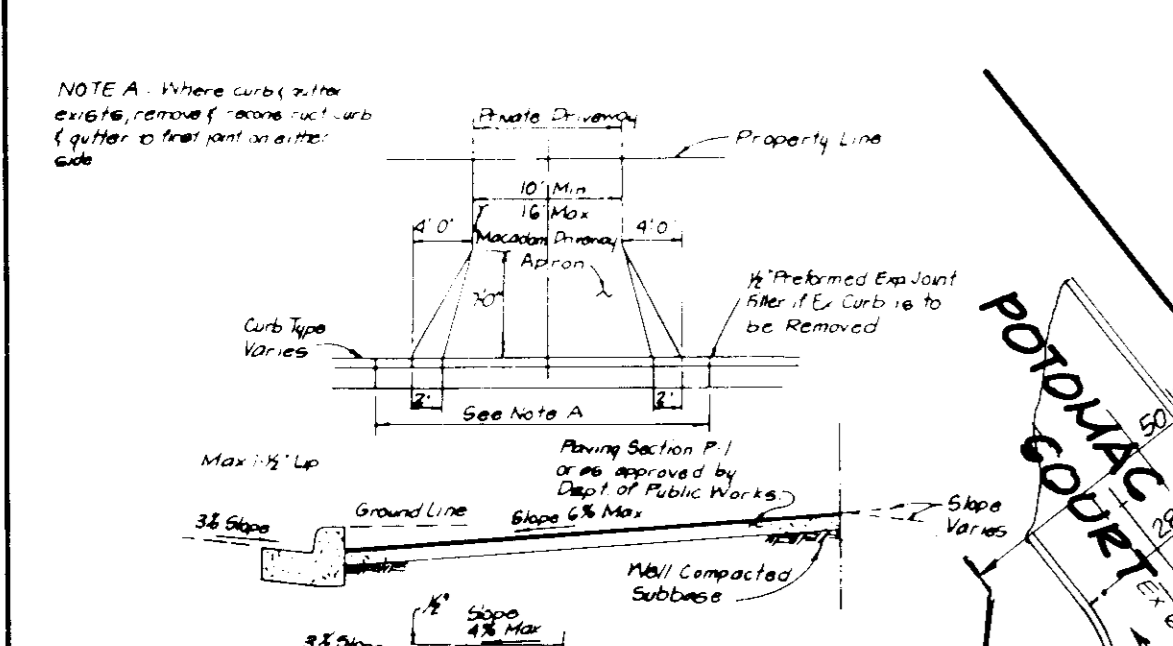
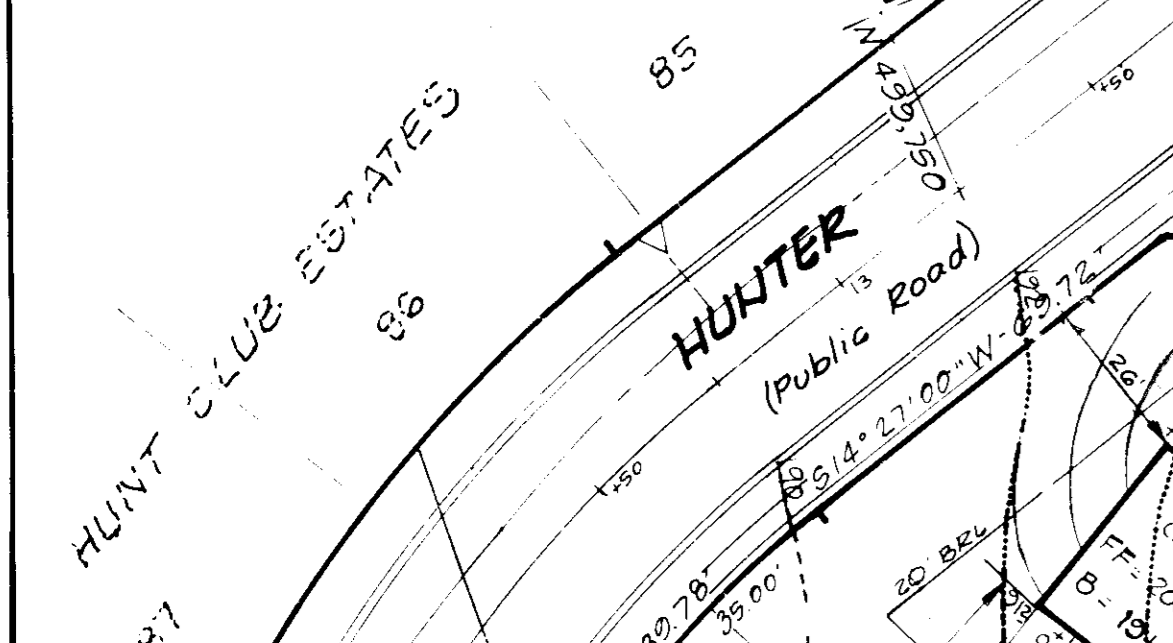


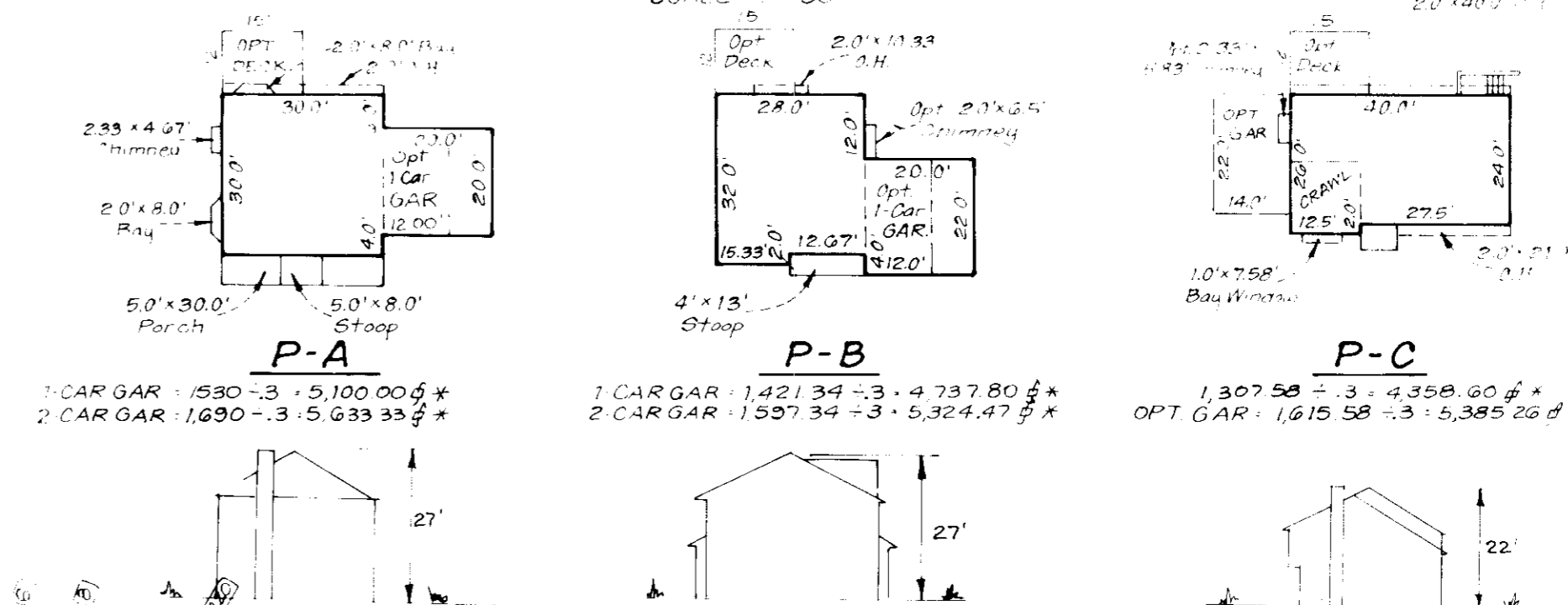
**DRIVEWAY ABUTTING CLOSED SECTION WITH MODIFIED COMB CURB & GUTTER & SIDEWALK**



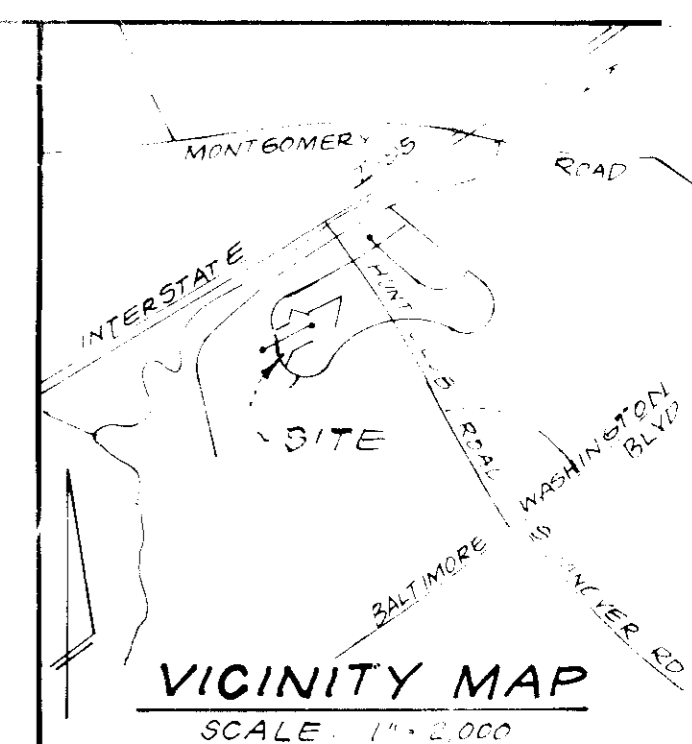
**DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK**



**TYPICAL HOUSES**  
SCALE 1" = 30'



Note: All houses have a roof eaves front and back.  
\* Denotes minimum lot size calculations.



LOT	STREET ADDRESS
127	6705 Hunter Road
128	6700 Foxcatcher Court
129	6704
130	6708
131	6712
132	6716
133	6720
134	6724
135	6728
136	6732
137	6721
138	6717
139	6713
140	6705
141	6701
142	6699
143	6689 Hunter Road
144	6685
145	6681
146	6677

**SPECIAL NOTES**

- Approved Road Construction Plans shall be used for all public utilities.
- The water and sewer shown is for reference only. For more detailed information, see Water and Sewer Contract No. 14-710-D.
- 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.
- Stormwater Management provisions shall be 5'-6" x 42".
- Fences or decks, open or enclosed, may project not more than 10 feet into the required front or rear yard.

**GENERAL NOTES**

- Subject property zoned: S-12 per 6-2-85 Comprehensive Zoning Plan.
- The coordinates shown herein are based on the Maryland State Grid System as projected by Howard County General Purpose Stations.
- All roads are public and existing.
- Any damage to county owned rights-of-way to be corrected at the developer's expense.
- Total area included: 496,460 sq ft (11.36 acres).
- Total number of lots: 20.
- The contractor or developer shall contact the Construction Inspection Survey Division 24 hours in advance of commencement of work at 792-2630.
- Existing contours were field run by Clark, Fink & Sackett, Inc.
- Reference File Nos. F87-142, P88-05.
- Improvement to property: single family density units.

**APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS**  
HOWARD COUNTY HEALTH DEPARTMENT  
James M. Boyd, Jr., P.E., County Health Officer, DATE: 5/24/91

**APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING**  
DATE: 5/30/91

**APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS**  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE: 5/22/91

**LEGEND**

- Contour Interval: 2ft
- Existing Contour: ---
- Proposed Contour: - - -
- Spot Elevation: +
- Direction of Drains: →
- Walk-out Basement: [Symbol]
- House Number Sign: [Symbol]

**REVISIONS**

No.	Rev. lot lines & lot numbers, (New lot no's. 151-154) Per Resub Plat 13,282	Date
6	Rev. lot lines & lot numbers, (New lot no's. 151-154) Per Resub Plat 13,282	4-10-92
5	Rev. hse & grd. lots 144 & 145	4-10-92
4	Rev. hse & grd. lots 130 & 141	3-10-92
3	Rev. hse & grd. lot 143	2-7-91
2	Rev. hse & grd. lots 127, 133, 136, 140 & 142	5-12-91
1	Add Special Note N-5	7-13-91

**NOTE: THIS PLAN SUPERCEDES PREVIOUSLY APPROVED PLAN SDP 90-49 SHEET 1 OF 3**

**CLARK • FINEFOCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
7135 MINISTRELL WAY • COLUMBIA, MD 21045 • (301) 381-7500

DESIGNED: VHL	REVISED SITE DEVELOPMENT PLAN	SCALE: 1" = 30'
DRAWN: VLM	LOTS 127-138, 140, 142, 145, 146 and 151-154	DRAWING
CHECKED: JME	HUNT CLUB ESTATES	1 OF 3
DATE: AUGUST 1989	A RESUBDIVISION OF LOT 76, SECTION 5 AREA 1 SECTION 5 AREA 2 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO: 91-031
	FOR: PATRIOT HOMES P.O. Box 1018 Columbia, Maryland 21044	FILE NO: 91-031-X

**LEGEND**

- Contour Interval 2 Ft.
- Existing Contour
- Proposed Contour
- Direction of Drainage
- Spot of Elev. + 902
- Walk out Basement
- Silt Fence
- Earth Dike
- Stabilized Construction Entrance
- Boundary of Drainage Area
- Existing Earth Dike

**TRAP NO. 3 SIST (ST. III)**

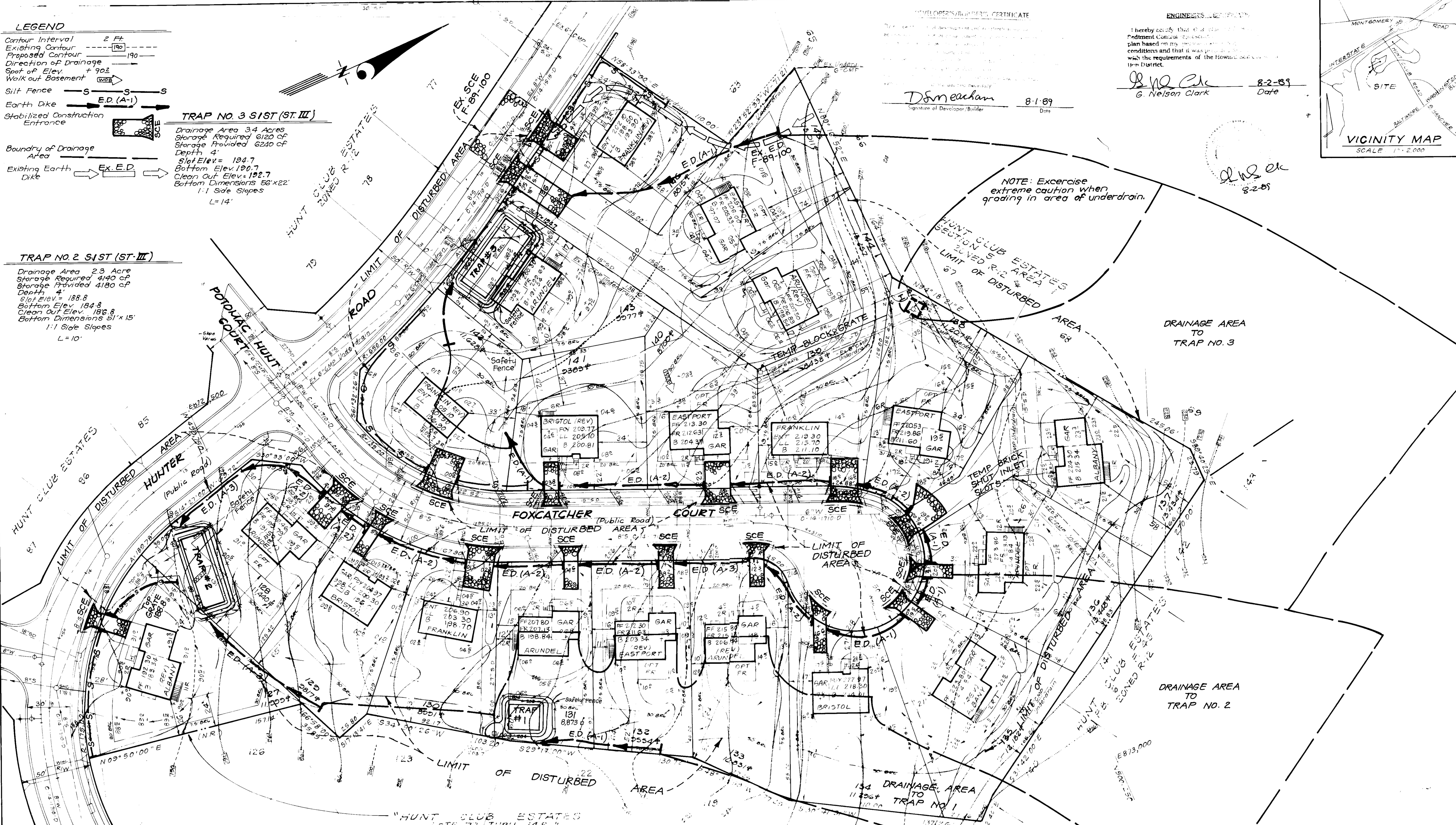
Drainage Area 3.4 Acres  
 Storage Required 6120 of  
 Storage Provided 6240 of  
 Depth 4'  
 Slot Elev. = 194.7  
 Bottom Elev. 190.7  
 Clean Out Elev. = 192.7  
 Bottom Dimensions 56'x22'  
 1:1 Side Slopes  
 L = 14'

**TRAP NO. 2 SIST (ST. III)**

Drainage Area 2.3 Acre  
 Storage Required 4140 of  
 Storage Provided 4180 of  
 Depth 4'  
 Slot Elev. = 188.8  
 Bottom Elev. 184.8  
 Clean Out Elev. = 186.8  
 Bottom Dimensions 51'x15'  
 1:1 Side Slopes  
 L = 10'

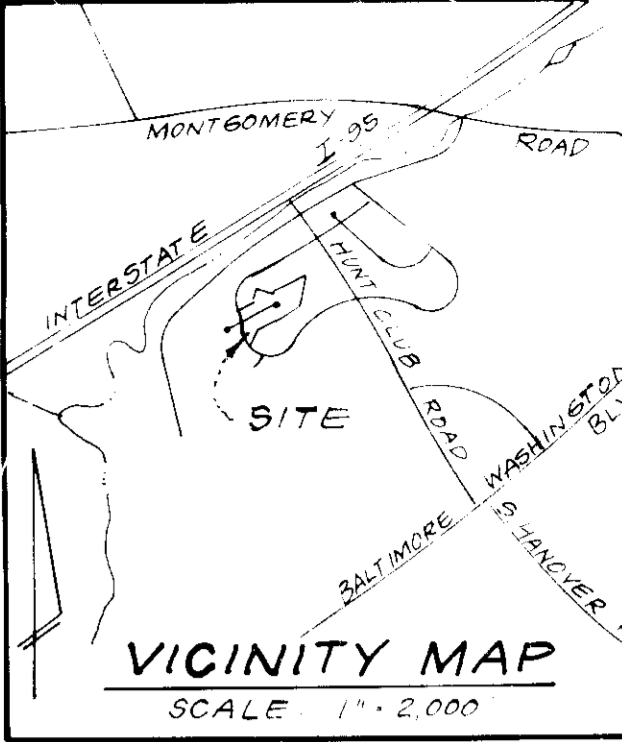
**TRAP NO. 1 SIST (ST. III)**

Drainage Area 0.90 Acres  
 Storage Required 1620 cy  
 Storage Provided 1650 cy  
 Depth 3'  
 Slot Elev. 203.7  
 Bottom Elev. 201.7  
 Clean out Elev. 201.7  
 Bottom Dimensions 22'x19'  
 1:1 Side Slopes



DEVELOPER'S/OWNER'S CERTIFICATE  
 I hereby certify that this plan is a true and correct representation of the plan based on my inspection and that it was prepared in accordance with the requirements of the Howard County Department of Public Works.  
 Signature of Developer/Owner: *D. Smeacham*  
 Date: 8-1-89

ENGINEER'S CERTIFICATE  
 I hereby certify that this plan is a true and correct representation of the plan based on my inspection and that it was prepared in accordance with the requirements of the Howard County Department of Public Works.  
 Signature of Engineer: *G. Nelson Clark*  
 Date: 8-2-89



NOTE: Exercise extreme caution when grading in area of underdrain.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: *James M. Helm* DATE: 2/27/91

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
 DIRECTOR: *James M. Helm* DATE: 3/8/91

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: *James M. Helm* DATE: 2/25/91

CHIEF BUREAU OF ENGINEERING  
 DATE: 2-25-91

"HUNT CLUB ESTATES  
 LOTS 77 THRU 148"  
 ZONED R-12  
 PLAT

APPROVED: *James M. Helm* DATE: 2/6/91

THIS DEVELOPMENT PLAN IS APPROVED  
 FOR EROSION AND SEDIMENT CONTROL.  
 APPROVED: *John R. Johnson* DATE: 2/6/91

**TRAP NO. 3 SIST (ST. III)**  
 Drainage Area 0.90 Acres  
 Storage Required 1620 cy  
 Storage Provided 1650 cy  
 Depth 3'  
 Slot Elev. 203.7  
 Bottom Elev. 201.7  
 Clean out Elev. 201.7  
 Bottom Dimensions 22'x19'  
 1:1 Side Slopes

CLARK • FINEPROCK & SACKETT, INC.  
 ENGINEERS • PLANNERS • SURVEYORS  
 7115 MINNIE HWY. • LATHAM MD 21045 • (301) 381-7500 - BALTO • (301) 621-8100 - WASH

DESIGNED: *KIWM*  
 DRAWN: *BAL*  
 CHECKED: *KIWM*  
 DATE: AUGUST 1989

SCALE: 1" = 30'  
 DRAWING: 2 OF 3  
 JOB NO: 86-113  
 FILE NO: 86-113-SE

SDP-90-49

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 three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

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 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding.
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.

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 50 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.

Mulching - Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of rotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2 1/8 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas.

Inspection - 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.

Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

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 (3.2 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).

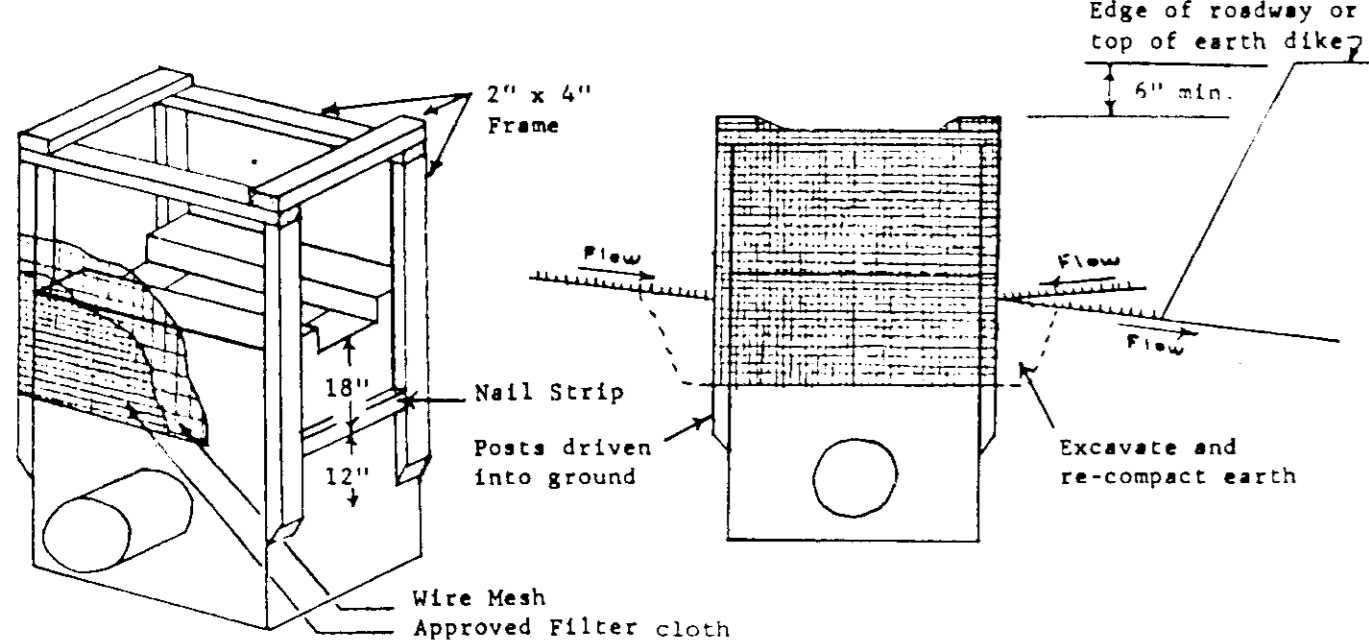
Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of rotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2 1/8 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas.

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

SEDIMENT CONTROL NOTES

- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction.
2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance 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 perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, 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. 51) sod (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 until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
7) Site Analysis: Total Area of Site 4.965 Acres, Area Disturbed 4.64 Acres, Area to be roofed or paved 1.21 Acres, Area to be vegetatively stabilized 3.43 Acres, Total Cut 4334 Cu. yds, Total Fill 2752 Cu. yds, Offsite waste/borrow area location ON SITE.
8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance. Temporary seeding (Sec. 50) and additional sediment control must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
9) 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.
10) If houses are to be constructed on an "As-Sold" basis, at random, Single Lot Sediment Control as shown below shall be implemented.
11) All pipes to be blocked at the end of each day (see detail below).
12) Total amount of straw bale dikes/silt fence equals 465 L.F.

SWALE INLET PROTECTION DETAIL



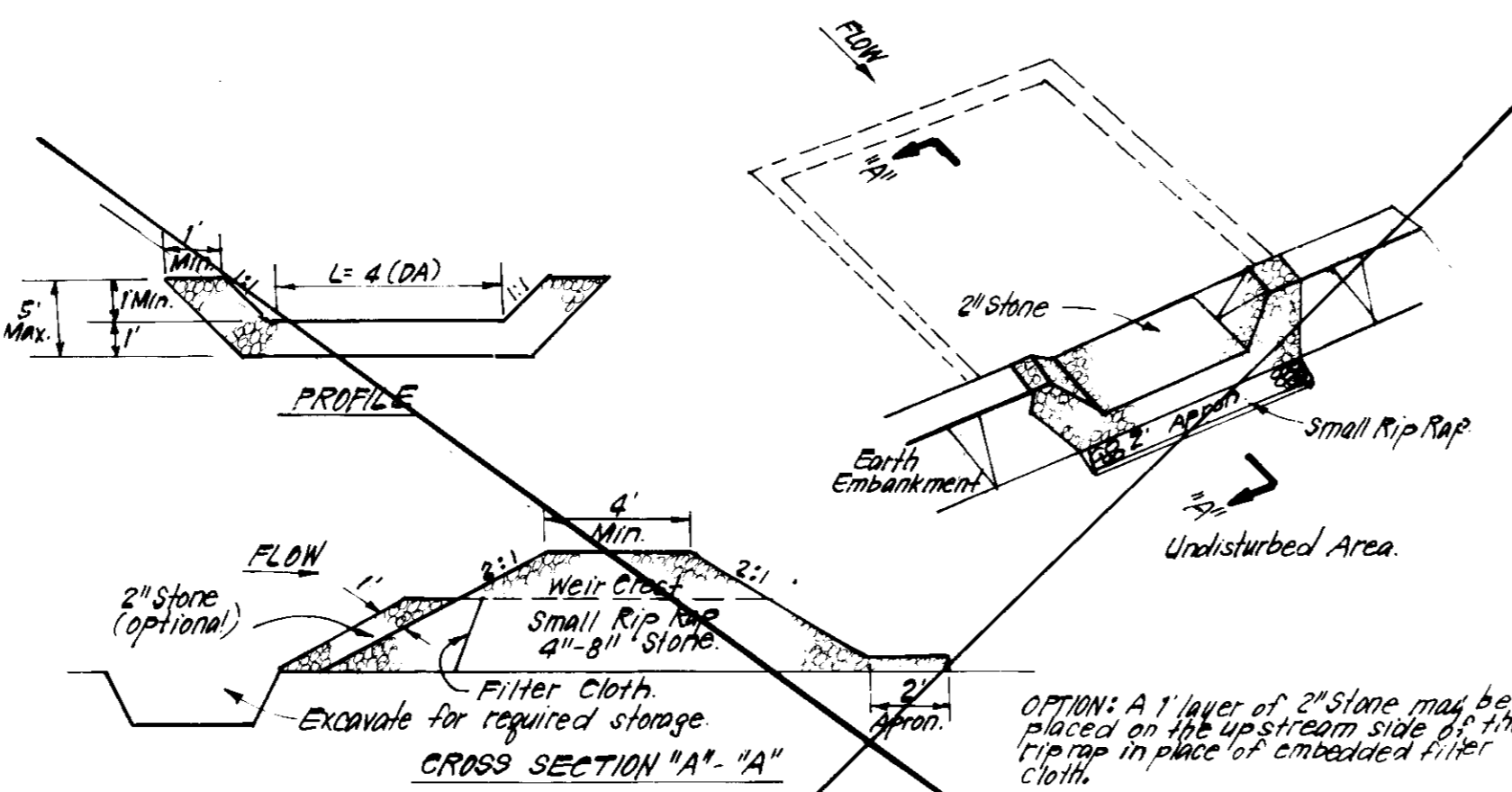
STANDARD SYMBOL

CONSTRUCTION SPECIFICATIONS:

- MATERIALS: A. Wooden frame is to be constructed of 2x4 construction grade lumber. B. Wire mesh must be of sufficient strength to support filter fabric and stone for curb inlets, with water fully impounded against it. C. Filter cloth must be of a type approved for this purpose resistant to sunlight with a mesh size of 10, 20, 40 or 85 to allow sufficient passage of water and removal of sediment. D. Stone is to be 2' in size and clean, since fines would clog the cloth.

II. PROCEDURE: SWALE, DITCHLINE OR YARD INLET PROTECTION

- 1. Excavate completely around inlet to a depth of 18" below notch elevation. 2. Drive 2x4 posts 1' into ground at four corners of inlet. Place nail strips between posts on ends of inlet. Assemble top portion of 2x4 frame using end-to-end joint. 3. Stretch filter cloth tightly over wire mesh and fasten securely. Ends must meet at post. 4. Stretch filter cloth tightly over wire mesh, the cloth must extend from top of frame to 18" below inlet notch elev. Fasten securely to frame. Ends must meet at post, be overlapped and folded, then fastened down. 5. Backfill around inlet in compacted 6" layers until 1" layer of earth is even with notch elevation on ends and top elevation in the ditch line below. The top of this earth dike is to be at least 6" higher than the top of frame (weir). 7. The structure must be inspected frequently and filter fabric replaced when clogged.

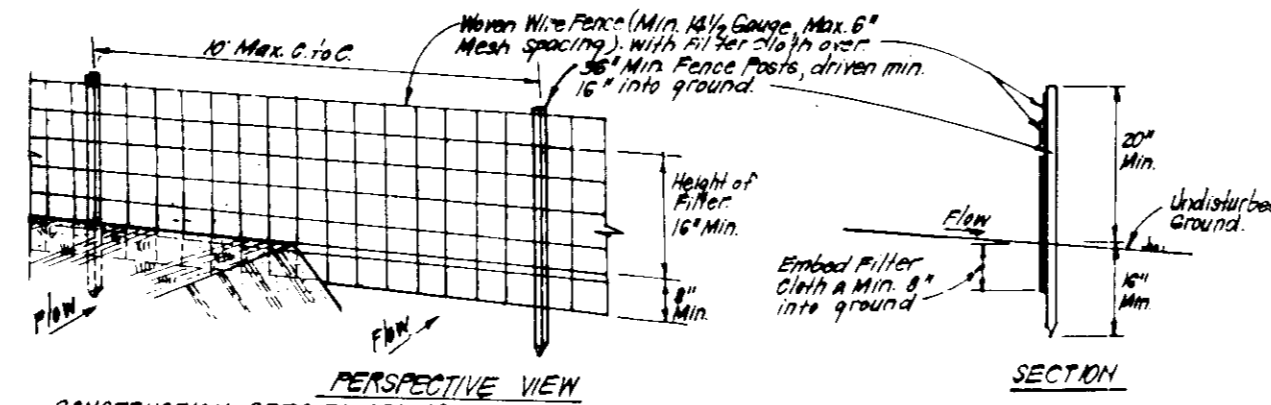


CONSTRUCTION SPECIFICATIONS:

- 1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The soil area shall be cleared. 2. The fill material for the embankment shall be free of roots and other woody vegetation as well as evergreen needles, rocks or any objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. 3. All cut and fill slopes shall be 2:1 or flatter. 4. 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 of the small rip rap, or embedded filter cloth in the rip rap. 5. Sediment shall be removed from trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. 6. The structure shall be inspected after each rain and repairs made as needed. 7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized. 8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

STONE OUTLET SEDIMENT TRAP (S.O.S.T.) STV

NO SCALE

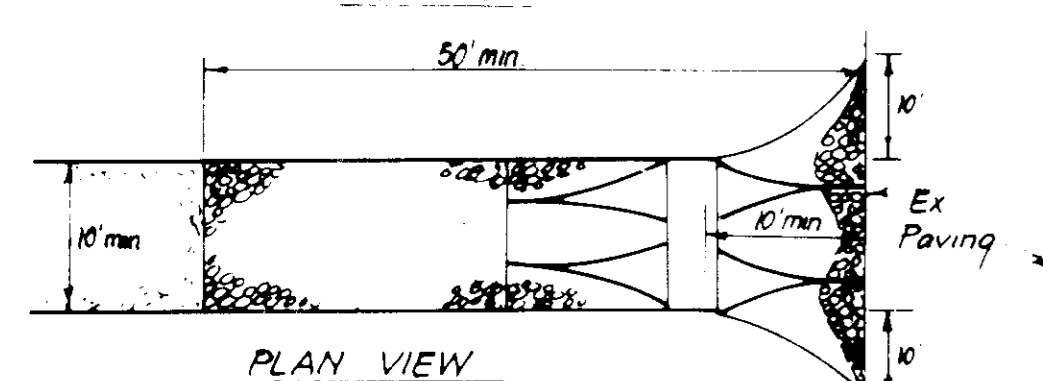
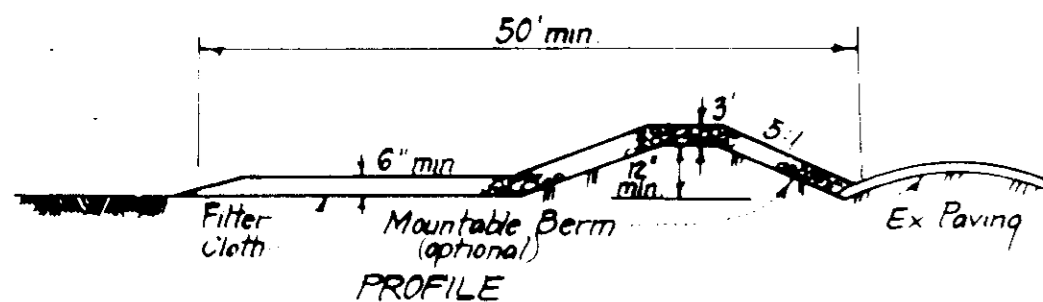


CONSTRUCTION SPECIFICATIONS:

- 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 36" at top and mid section. 3. When 2 sections of filter cloth are used, they shall be overlapped by 6" and stapled. 4. Maintenance shall be performed as needed and material removed when it begins to develop in silt fence.

SILT FENCE DETAIL (S)

NO SCALE

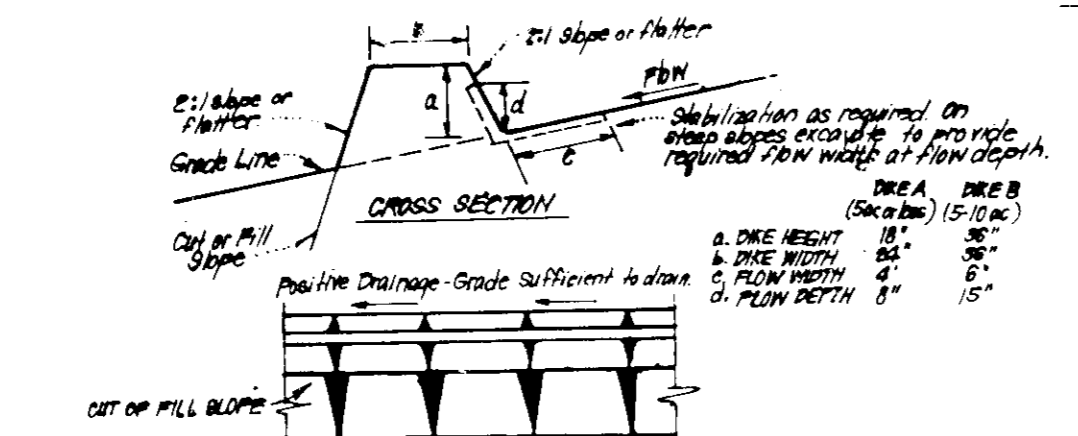


CONSTRUCTION SPECIFICATIONS:

- 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 30 foot minimum length would apply). 3. Thickness - Not less than six (6) inches. 4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress 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. If piping is impractical, a mountable berm with 5' slopes will be permitted. 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 condition 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 (SCE)

NO SCALE



CONSTRUCTION SPECIFICATIONS:

- 1. All dikes shall be constructed by earth-moving equipment. 2. All dikes shall have positive drainage to an outlet. 3. Top width may be wider and side slopes may be flatter if desired, to facilitate draining by construction traffic. 4. Inlet location should be adjusted as needed to utilize a stabilized safe outlet. 5. Earth dikes shall have an outlet that functions with a minimum of erosion. Runoff shall be directed to a sediment trapping device such as a sediment trap or treatment basin where filter, the dike channel, or the drainage area above the dike are not adequately stabilized. 6. Sediment 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.

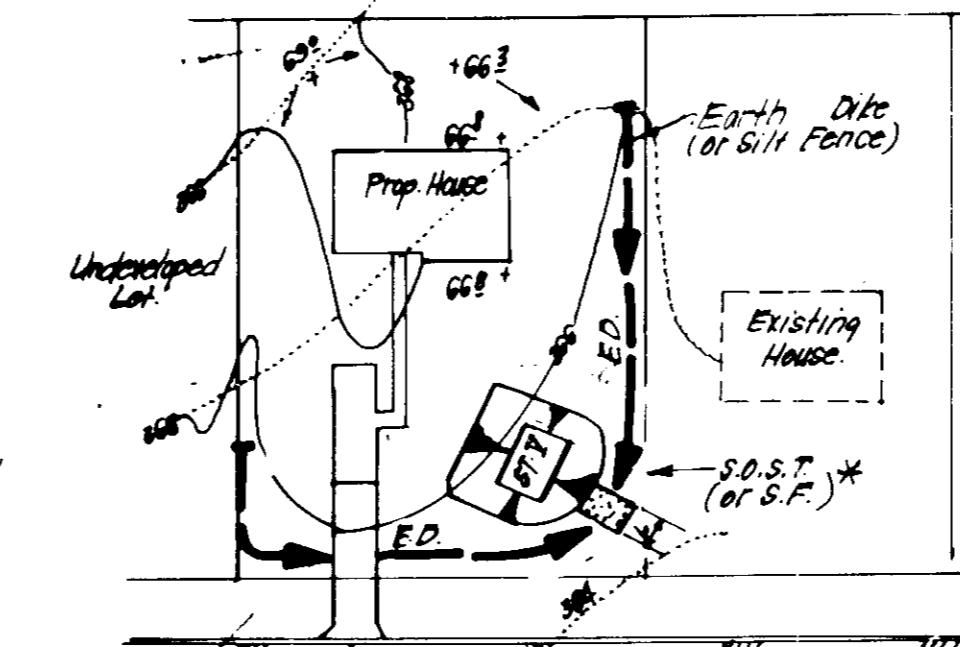
CHANNEL STABILIZATION

Table with columns: TYPE OF TREATMENT, CHANNEL GRADE, DIKE A, DIKE B. Rows include 1) 1:1 to 2:1, 2) 2:1 to 3:1, 3) 3:1 to 4:1, 4) 4:1 to 6:1.

- 1. Stone in lot 2 or 3 shall be recycled concrete equivalent, in a layer of at least 3" thick and be placed into soil with construction equipment. 2. Rip rap to be 4" to 8" in size and be placed into soil. 3. Approved equivalent to curb and silt fence for use at the above materials.

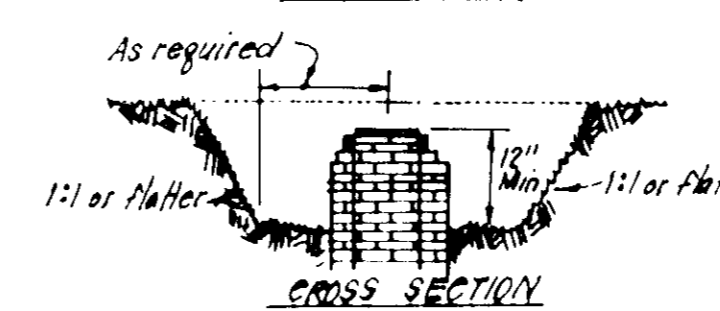
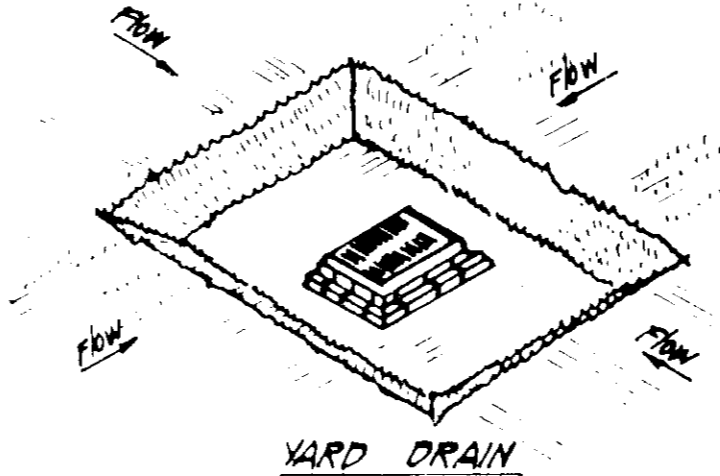
EARTH DIKE DETAIL (E.D.)

NO SCALE



SINGLE LOT SEDIMENT CONTROL PLAN

NO SCALE



CONSTRUCTION SPECIFICATIONS:

- 1. Sediment shall be removed and the trap restored to its original dimensions when sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode. 2. The volume of sediment storage shall be 1000 cu. ft. of contributory drainage. 3. The structure shall be inspected after each rain and repairs made as needed. 4. Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized. 5. The sediment trap shall be removed and the area stabilized when the constructed drainage area has been properly stabilized. 6. All cut slopes shall be 1:1 or flatter.

STORM INLET SEDIMENT TRAP (S.I.S.T.) ST II

NO SCALE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT. Includes signatures and dates for County Health Officer, Director, and Chief Bureau of Engineering.

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING. Includes signatures and dates for Director and Chief Division of Community Planning and Land Development.

Reviewed by HOWARD SCD and signed by James M. Helm. Includes signature of John D. Whitson and date 2/6/91.

DEVELOPER'S/BUILDER'S CERTIFICATE. Includes signature of D. Smeachan and date 8-1-89.

ENGINEER'S CERTIFICATE. Includes signature of G. Nelson Clark and date 8-2-89.

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS. Includes project details for HUNT CLUB ESTATES and drawing information.