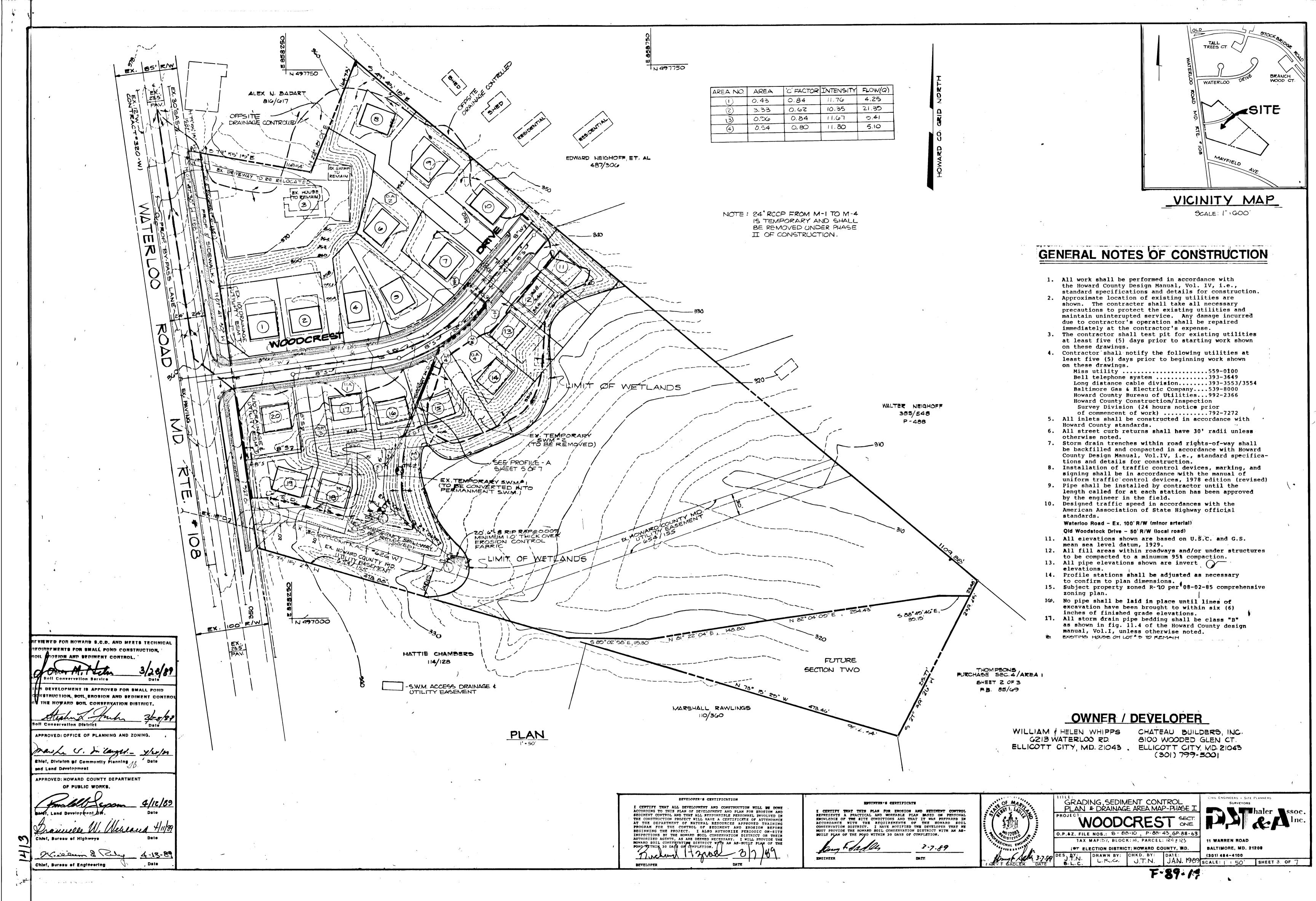
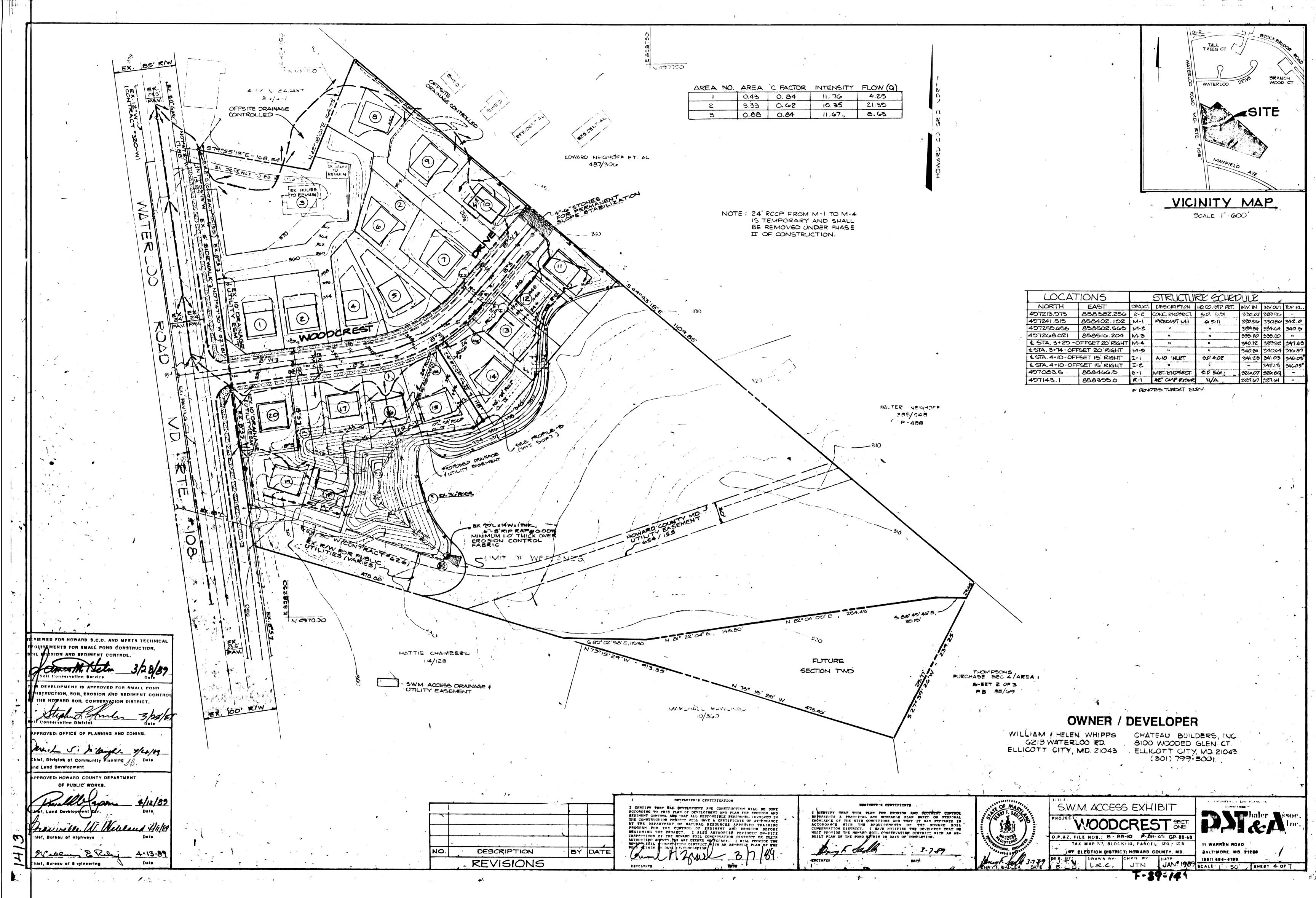
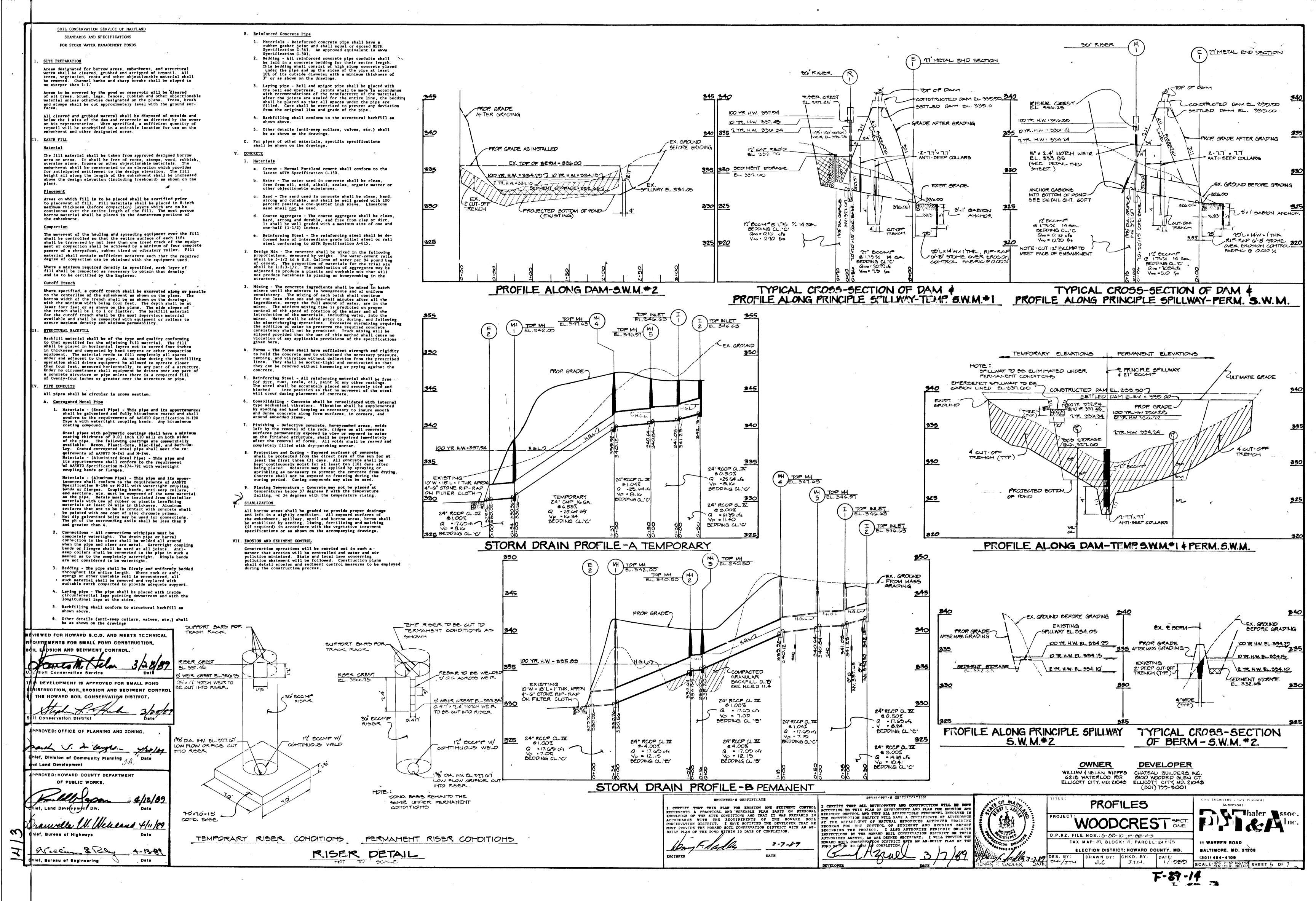
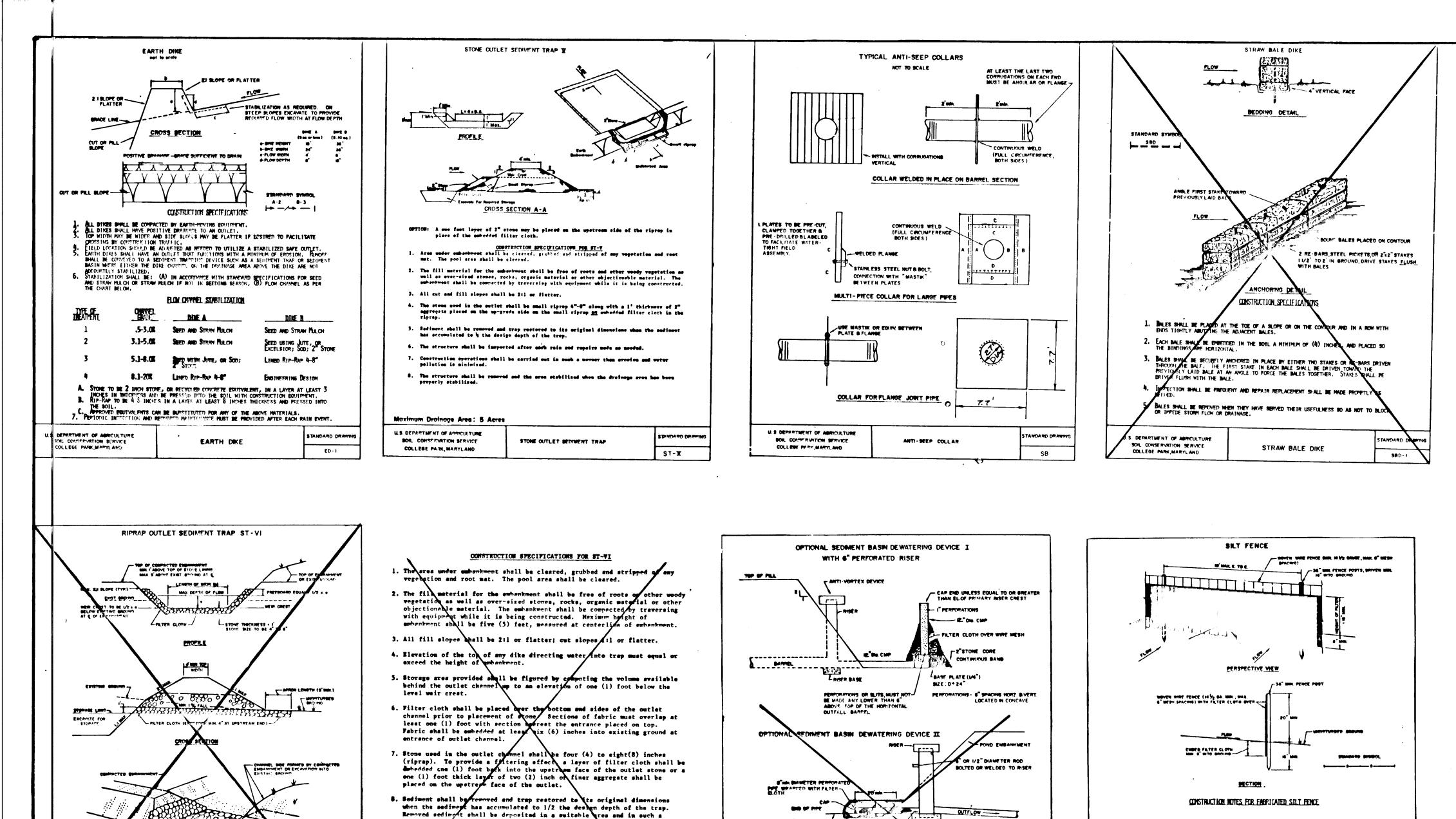


Man ( )



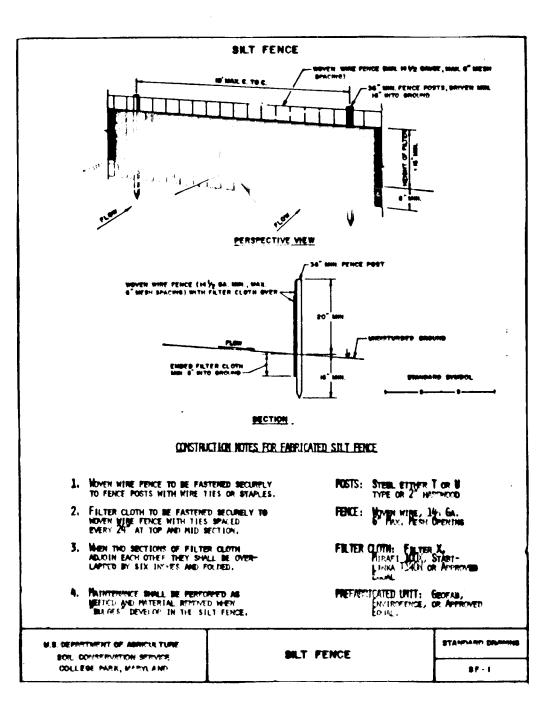


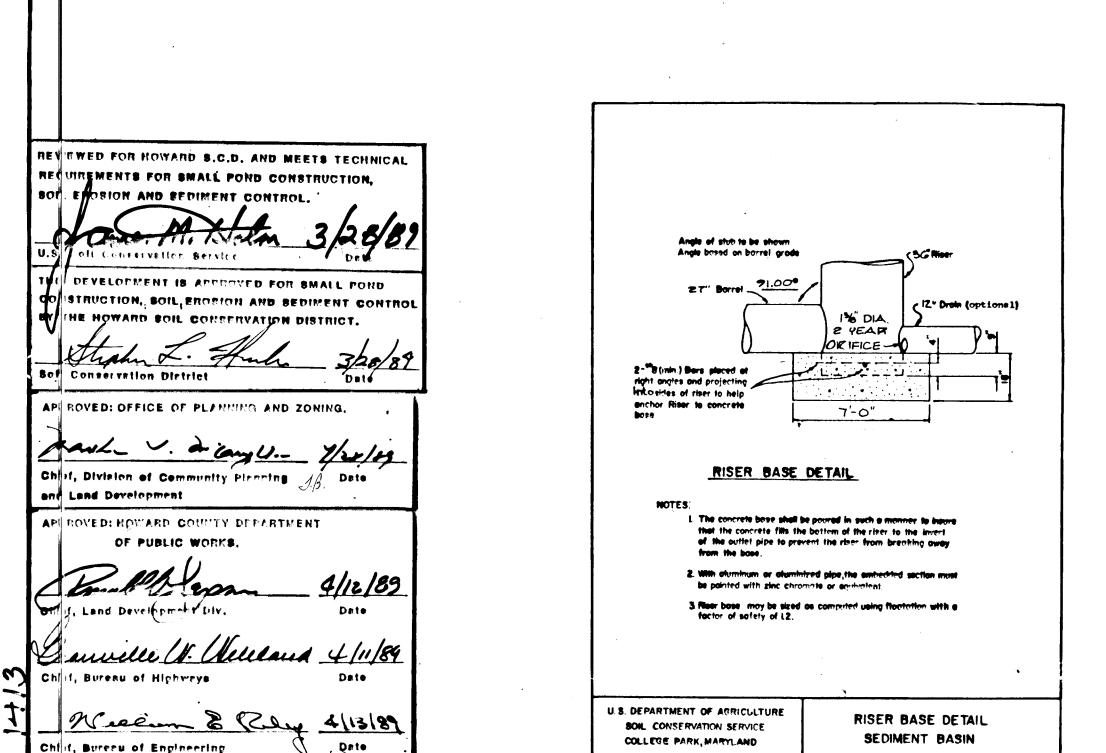




U.S. DEPRETHENT OF AGRICULTUR

SOL CONSTRUCTION SERVICE
COLLEGE PRINCIPLE AND





PERCECTIVE VIEW

PUTTAR OUTLEY SEDIMENT TRAP

Detropiement OF Virginia Africa SOIL CONTENTENTE SERVICE

COLLEGE PART , MARYLAND

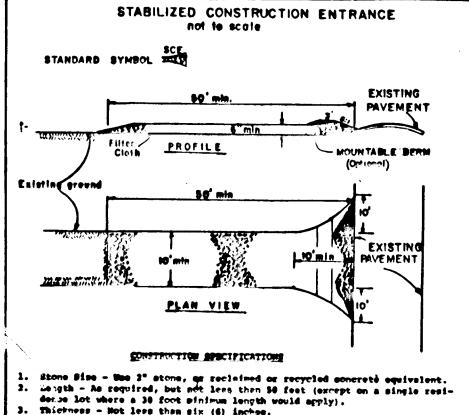
menner that At will not erode.

er pollution are minimized.

ture shall be inspected after each rain and remained as meeded.

structure shall be removed and the area stabilized when

1. Drainage area for this practice is limited to 15 acres or less



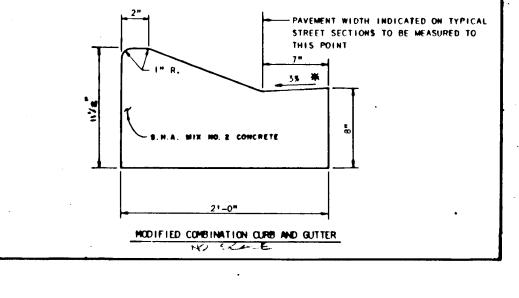
WELDED OR CEMENTED JOHT

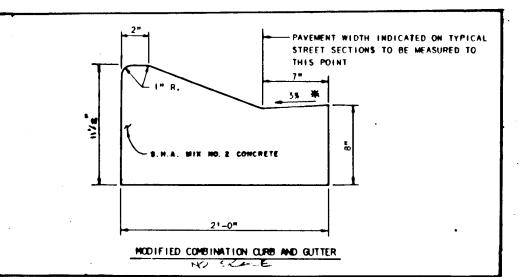
SPTIONAL SECIMENT BASIN DEWITERING

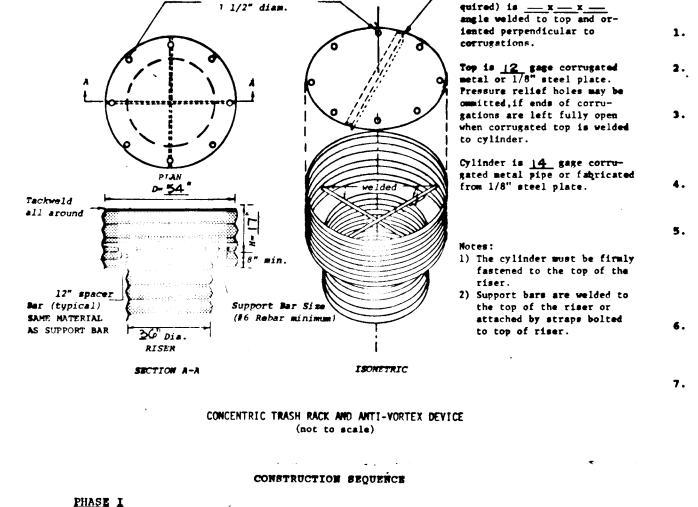
Thickness - Not less than six (6) inches. Width - Ten (10) foot minimum, but not less then the full width at points where ingress or egress occurs. Filter Cloth - Will be placed over the entire eres prior to placing of stone Filter will not be required on a single family residence lot. Burface Nater - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 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 me

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 Weehing - Wheels shall be gleened to semove sediment prior to entrance ento 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 Periodic inspection and needed maintenence shall be provided after each rain U. S. DEPARTMENT OF AGRICULTURE STABILIZED CONSTRUCTION Standard

SOIL CONSERVATION SERVICE







Pressure Relief Holes

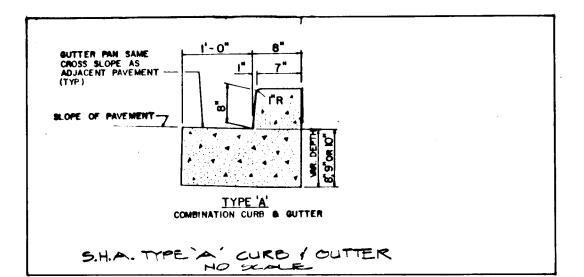
Top stiffener (if re-

1. Obtain a grading permit and a building permit 2. Notify the Bureau of Inspections/Surveys at 797-7272 at least 24 hours prior to beginning grading operations 3. Notify D.S. Thaler & Associates, Inc. at 484-4100 at least three (3) working days prior to beginning grading 4. Clear and grub as necessary to install sediment and erosion control measures (S.F., E.D., S.C.E.) 2 days 5. Install all sediment and erosion control devices (S.F. E.D., S.C.E.) 3 days 6. With approval from the Sediment Control Inspector, Degin utility construction (sewer, water, and Phase I of wtorm drains 1 month 7. Prepare road areas for paving 8. Install modified concrete curb & gutter 1 week 9. Pave roads 10. Construct houses on all lots. On lots #15 and #16 the contractor is not to disturb the temporary storm drain during house construction On going 11. Provide sediment and erosion control on individual lots as directed by the Sediment Control Inspector On going 12. Fine grade lots and stabilize any and all disturbed PHASE II

13. Remove temporary storm water management #2 by: a) Pump any standing water onto a stabilized outfall; b) Remove silt and deposit on a site with approved erosion and sediment control measures; c) Grade out trap 1 week 14. Install permanent storm drain system from MH-1 to MH-4 as per Phase II. 3 days 15. Convert temporary storm water management #1 to permanent facility by: a) Pump any standing water onto a stabilized outfall; b) Remove silt and deposit on a site with approved erosion & sediment control measures; c) Grade storm water management to final grades; d) Widen 2-year orifice from 0.12' radius to 0.13' radius; Lower riser crest elevation from 337.59 to 335.25: Eliminate the emergency spillway; Re-install gabions and anchor securely over 36' CMP. Apply permanent stabilization to any and all disturbed 17. With permission from the Sediment Control Inspector, remove remaining sediment control devices and apply

BOTTOM OF POND. 12" BCCMP GARION PLACEMENT DETAIL - PERMANENT CONDITION ONLY SCALE: HORE | = 5 YERT: 1"=3"

permanent stabilization to all disturbed areas



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. (992-2437).

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. Pollowing initial soil disturbance or redisturbance permanent or temporary stabilization shall be completed

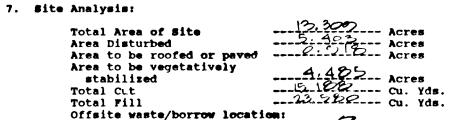
within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed o graded areas on the project site.

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 MANAGEMENT STANDARDS AND SPECIFICATIONS FOR SOIL EROSION

AND SEDIMENT CONTROL for permanent seedings (Sec. 51), so (Sec. 54), temporary seeding (Sec. 50) and mulching (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. 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.



8. 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

10. On all sites with disturbed areas in excess of 2 acres, approval of the immpection 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 immpection agency is made.

## SELLOR SELLURES EMBERGARE

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed. Beathed Preparation: Loosen upper three inches of soil by raking, discise or other acceptable means before seeding if not previously locatived. Still Amendment: in lieu of soil test recomendations, use one of the ing 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. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0

ureaform fertilizer (9 lbs/1000 sq. ft.) Acceptable - Apply 2 tons per acre dolomitic limentone (92 lbs/1000 sq. ft.) and 1000 lbs per acres 10-10-10 fertilizer (23 lbs/1000 sq. ft.) before seeding. Herrow or disc into upper three inches of soil.

Seeding: For the periods Narch 1 through April 30, and August 1 through October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq. ft.) of Kentucky 31 Tell Percue. For the period May 1 through July 31, seed with 60 lbs Kentucky 31 Tall Pescue per acre and 2 lbs per acre (.05 lbs/1000 sq. ft.) of weeping lovegrass. During the period of October 16 through Pebruary 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 Pescue and mulch with 2 tons/acre well

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. (t.) of unrotted small grain straw immediately after Anchor mulch immediately after application using mulch anchoring tool or 218 gallone per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq. ft.) for

Maintenance Inspect all seeded areas and make needed repairs, replacements and reseedings. VENTORARY SUPPLIES NOTES

Apply to graded or sleared areas likely to be redisturbed where a short-term vegetative cover is needed. psechant Preparation: Losson upper three inches of soil by raing, discing as other acceptable means before seeding it not previously loosened.

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer Reeding: For periods March 1 through April 30 and from August 15 through November 15, seed with 2 1/2 bushels per acre of annual rye (3.2 lbs/1000 sq. ft.) For the period May 1 through August 14, seed with 3 lbs per acre of weeping lovegrass (.07 1bs/1000 sq. ft.) For the period November 16 through 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 

seeding. Anchor sulch isrediately 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 ft. or higher, use 348 gallons per acre (8 gel/1000 sq. ft.) for

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

# OWNER / DEVELOPER

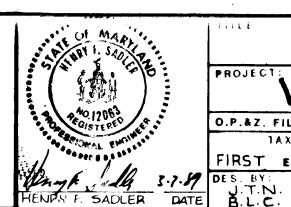
WILLIAM & HELEN WHIPPS 6213 WATERLOO ROAD

CHATEAU BUILDERS, INC. 8100 WOODED GLEN CT. ELLICOTT CITY, MD. 21043 ELLICOTT CITY, MD 21043

DEVELOPPR'S CERTIFICATION

CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE CORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONDENCE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CEPTIFICATE OF ATTENDANCE IT THE DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SECTION AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERSONIC ON-SITE INSPECTIONS BY THE HOMARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NEOFCSARY. I WILL PROVIDE THE HOWARD SOIL CONSTRUCTION DISTRICT FIRST AN ASSEMBLY PLAN OF THE Shirt of Land

\*\*GJEFFFF CFFGJJJCESE REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON PERSONAL ENOWLEIGH OF THE SITE CONDITIONS AND THAT IT WAS PEFFARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPED THAT HE PROVIDE THE HOMARD SOIL CONSERVATION DISTRICT WITH AN AS-BUILT PLAN OF THE POND WITHIN 10 DAYS OF COMPLETION.



# DETAILS

LRC

WOODCREST O.P.&Z. FILE NOS .: 5-88-10 ; P-88-43 ; GP-88-63

TAX MAP:37, BLOCK:14, PARCEL: 124 + 125 11 WARREN ROAD FIRST ELECTION DISTRICT; HOWARD COUNTY, MD. BALTIMORE, MD. 21208 DRAWN BY: CHKD. BY: DATE:

CONFERS CONFERS, ASSERT

(301) 484-4100

