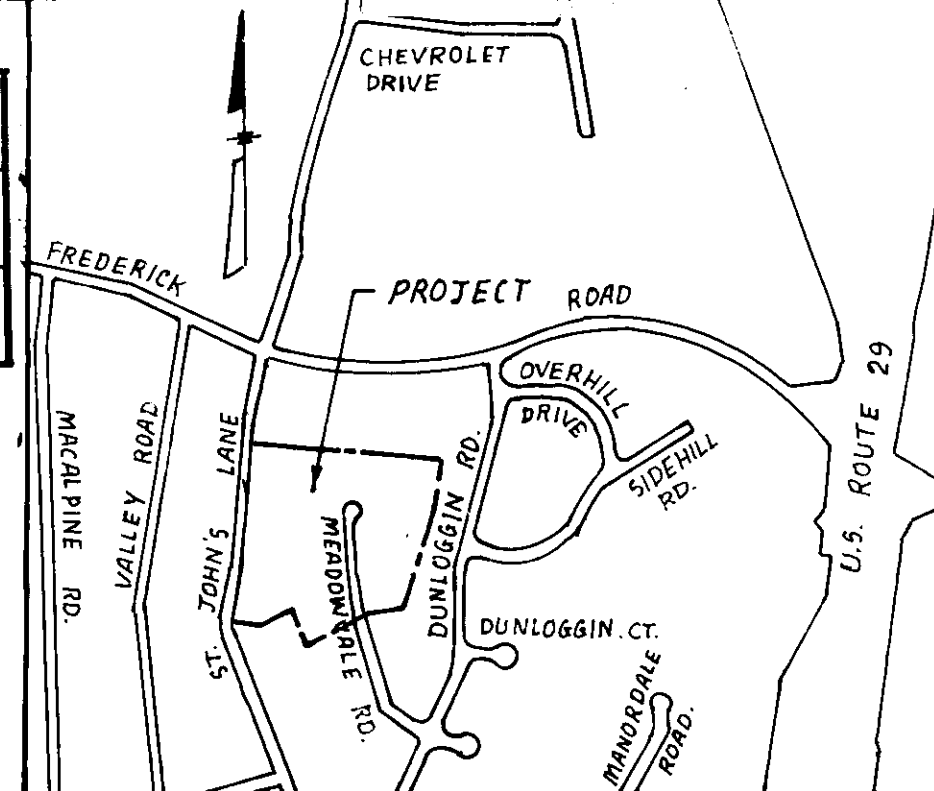
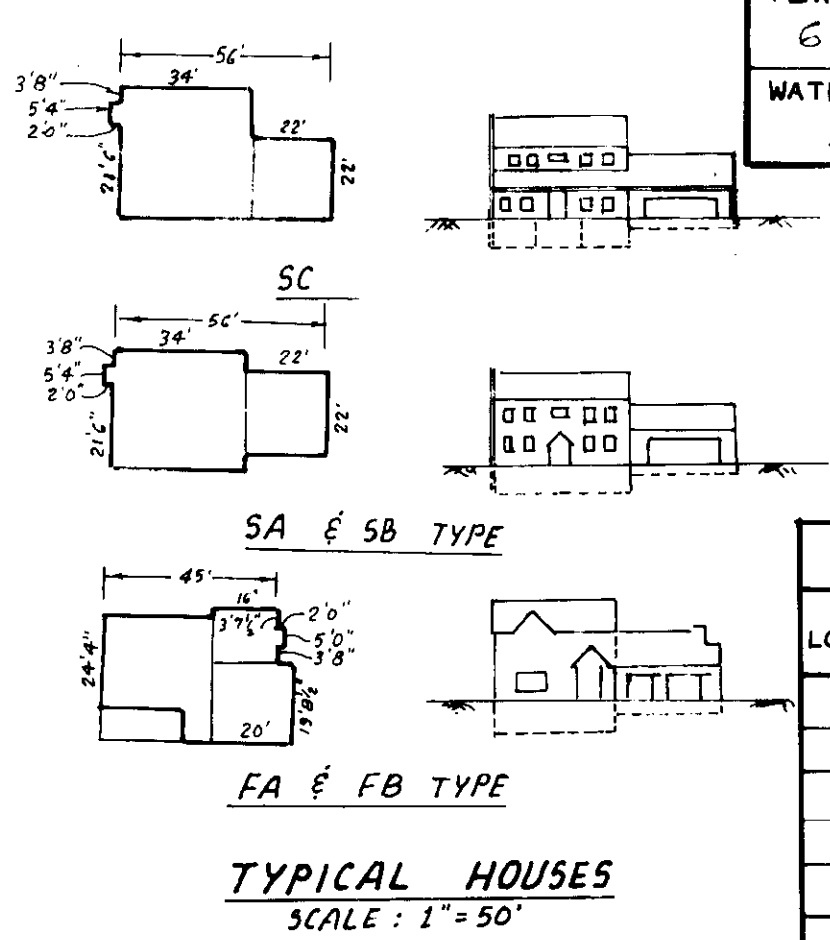


SUBDIVISION NAME BEDFORD SQUARE		SECT./AREA	LOT/PARCEL # 1-19
PLAT # OR L/F 6049	BLOCK # 11	ZONE R-20	TAX/ZONE MAP 24
ELEC. DIST. 2nd		CENSUS TR. 6023.01	
WATER CODE F08		SEWER CODE 1402800	



LOT NUMBER	STREET ADDRESS
1	3643 ST JOHN'S LANE
2	3639 "
3	3635 "
4	3631 "
5	3627 "
6	3623 "
7	3619 "
8	3615 "
9	3696 MEADOWVALE ROAD
10	3692 "
11	3688 "
12	3684 "
13	3680 "
14	3676 "
15	3672 "
16	3673 "
17	3677 "
18	3681 "
19	3695 "

- GENERAL NOTES**
- THE LAND INCLUDED IN THIS PLAN IS ZONED R-20.
 - THE LOTS SHOWN ON THIS PLAN ARE COVERED BY FINAL PLAN F-85-18.
 - ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.
 - ALL VERTICAL CONTROLS ARE BASED ON U.S.C. & G.S.
 - THE AREA SHOWN IN THIS SUBMISSION IS LOCATED ON TAX MAP # 24 - PARCEL 245.
 - THE TOTAL AREA INCLUDED ON THIS PLAN IS 7.36 AC.
 - ALL ROADWAYS ARE PUBLIC & TO BE BUILT UNDER FINAL PLAN NO. F-85-18.
 - ANY DAMAGE TO COUNTY OWNED RIGHTS OF WAY SHALL BE CORRECTED AT THE DEVELOPERS EXPENSE.
 - TOTAL NUMBER OF LOTS ARE 19.
 - THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION, 24 HRS. IN ADVANCE OF COMMENCEMENT OF WORK AT 792-7272.



STONE OUTLET SEDIMENT TRAP #1
 TYPE - STONE OUTLET
 STORAGE RER. = 7,000 CU FT
 STORAGE PROV. = 8,450 CU FT
 BOTTOM SIZE = 85x45
 BOTTOM EL. = 371.0
 CLEAN OUT EL. = 372.0
 STONE OUTLET CREST EL. = 374.0

NOTE: INSTALLED TO ST. JOHN'S LN. AS SHOWN REMOVE PORTION OF DIKE & INSTALL SILT FENCE AS REQ'D BY BLDG. CONSTRUCTION ON LOTS 7 & 8.

NOTE: ALL ROAD CONSTRUCTION TO BE PERFORMED UNDER FINAL PLAN NO. F-85-18

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

D. V. KATHARA
 SIGNATURE OF ENGINEER
 12/84
 DATE

DEVELOPER'S CERTIFICATE
 I HEREBY 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 PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

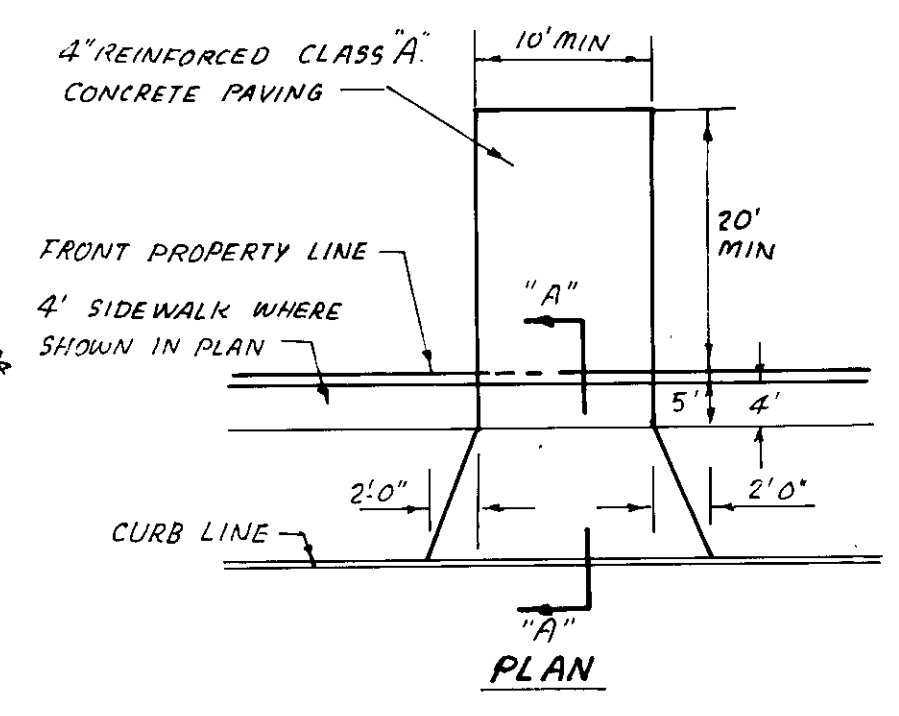
Robert Awalt
 SIGNATURE OF DEVELOPER
 12/84
 DATE

APPROVED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

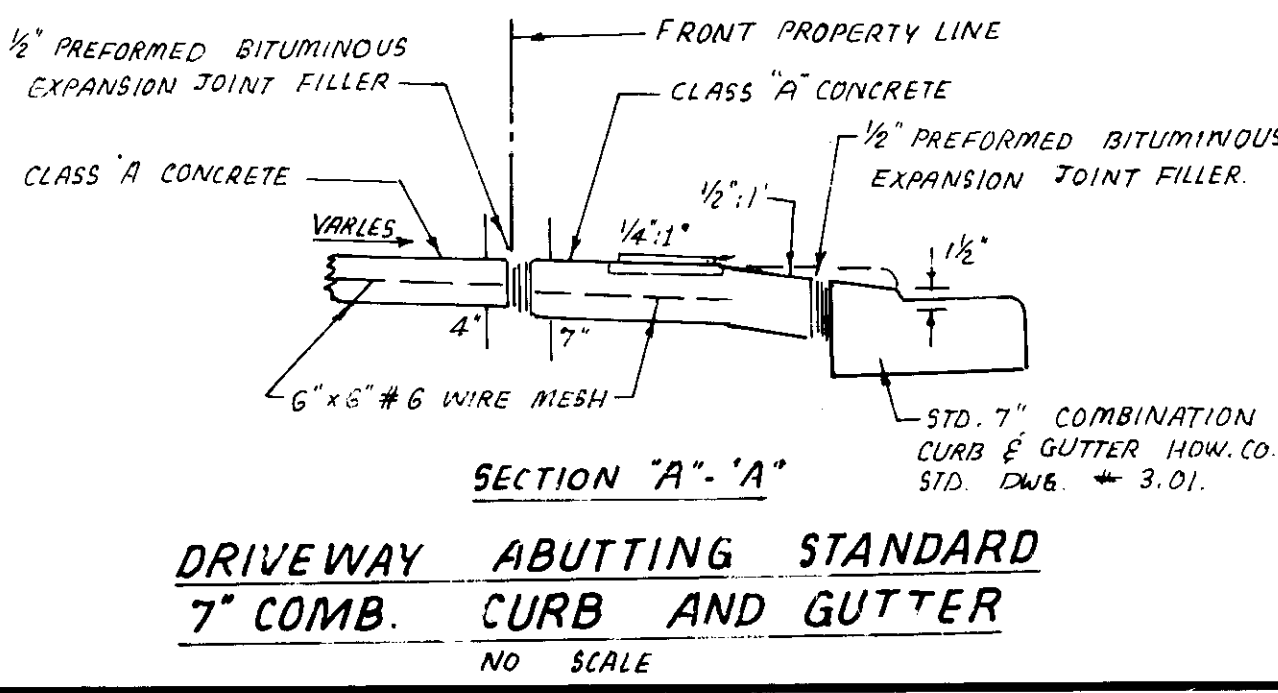
Shane L. Allen
 1-17-85
 DATE

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

Shane L. Allen
 1/17/85
 DATE



NOTE: MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOW. CO. ROAD CONSTRUCTION CODE



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

Joseph P. Gagliardi
 1-22-85
 DATE

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

John F. Neman
 1-24-85
 DATE

John F. Neman
 1-18-85
 DATE

CHIEF, BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

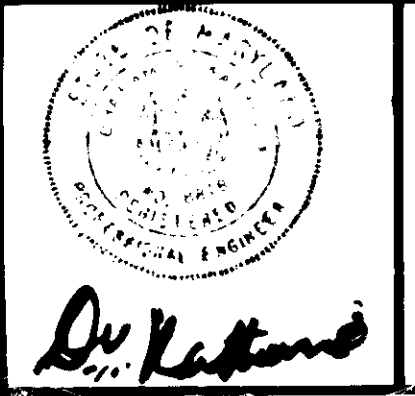
John F. Neman
 1-23-85
 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

DESIGNED	DATE	REVISIONS	
		DATE	DESCRIPTION
DRAWN	DATE	BY	DESCRIPTION
CHECKED	DATE		
APPROVED	DATE		

ENGINEERING TECHNOLOGIES ASSOCIATES, INC.
 ENGINEERS, SURVEYORS, CONSTRUCTION MANAGERS.
 P.O. BOX 816 ELLICOTT CITY, MD 21043
 (301) 461-9920

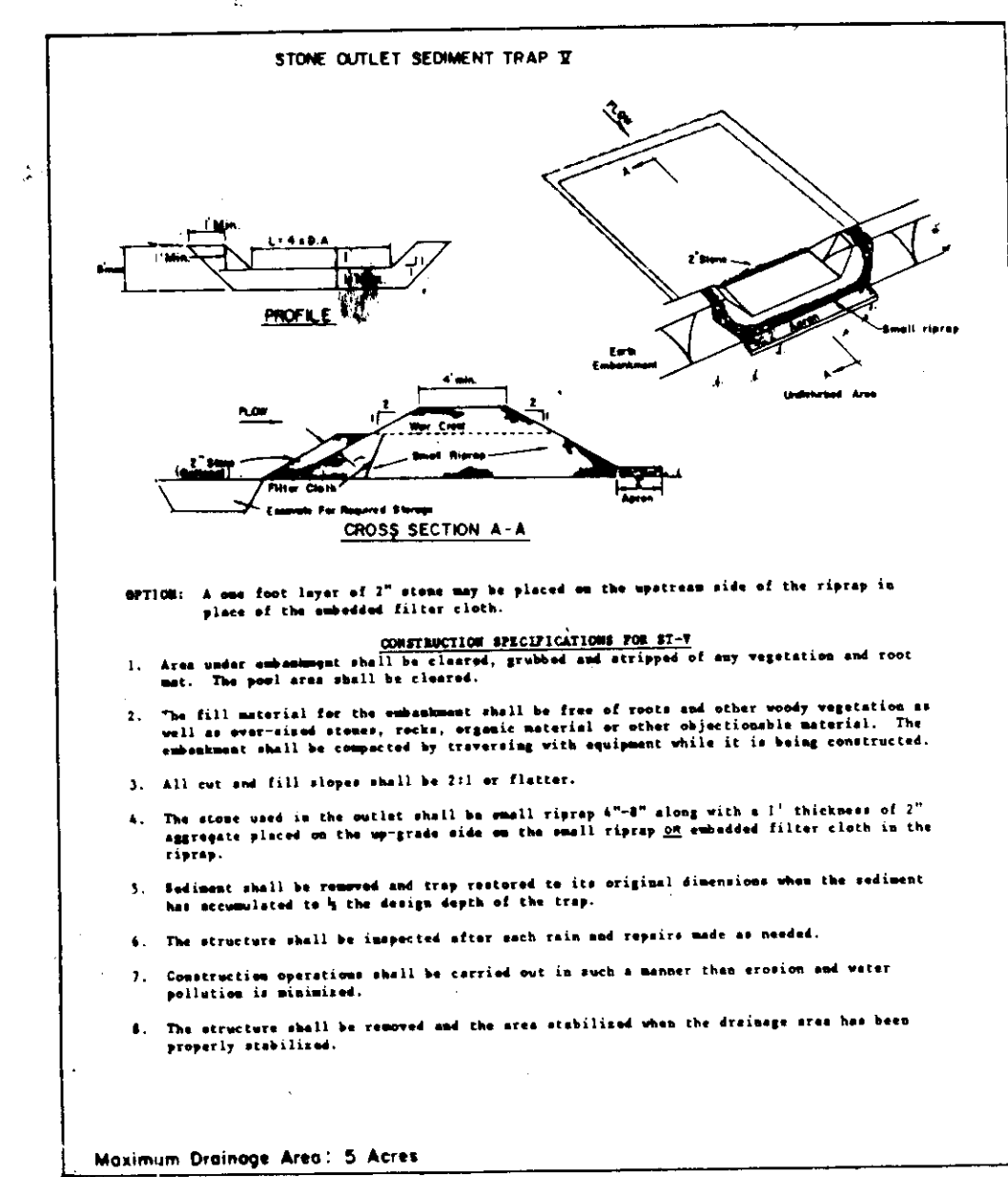
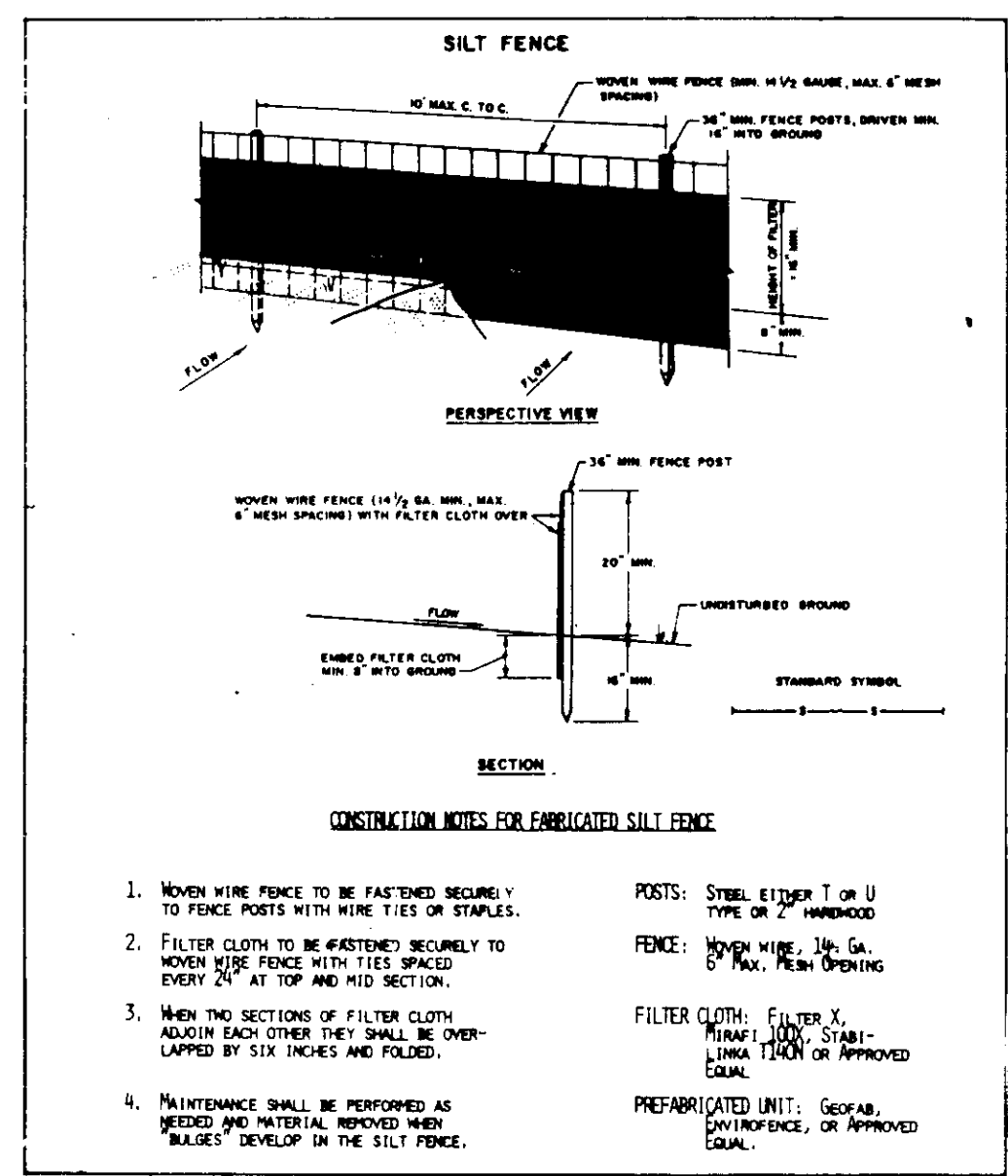
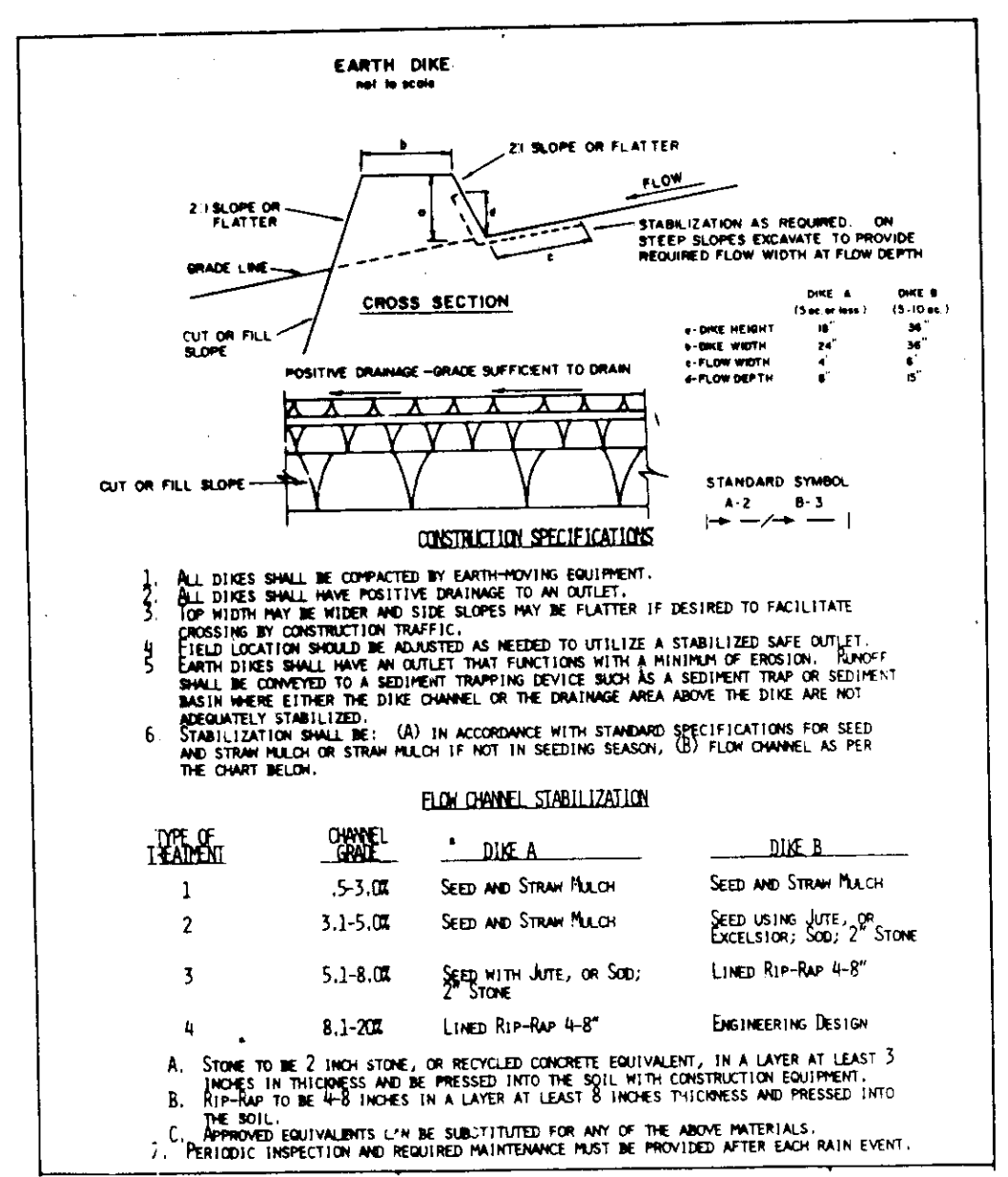
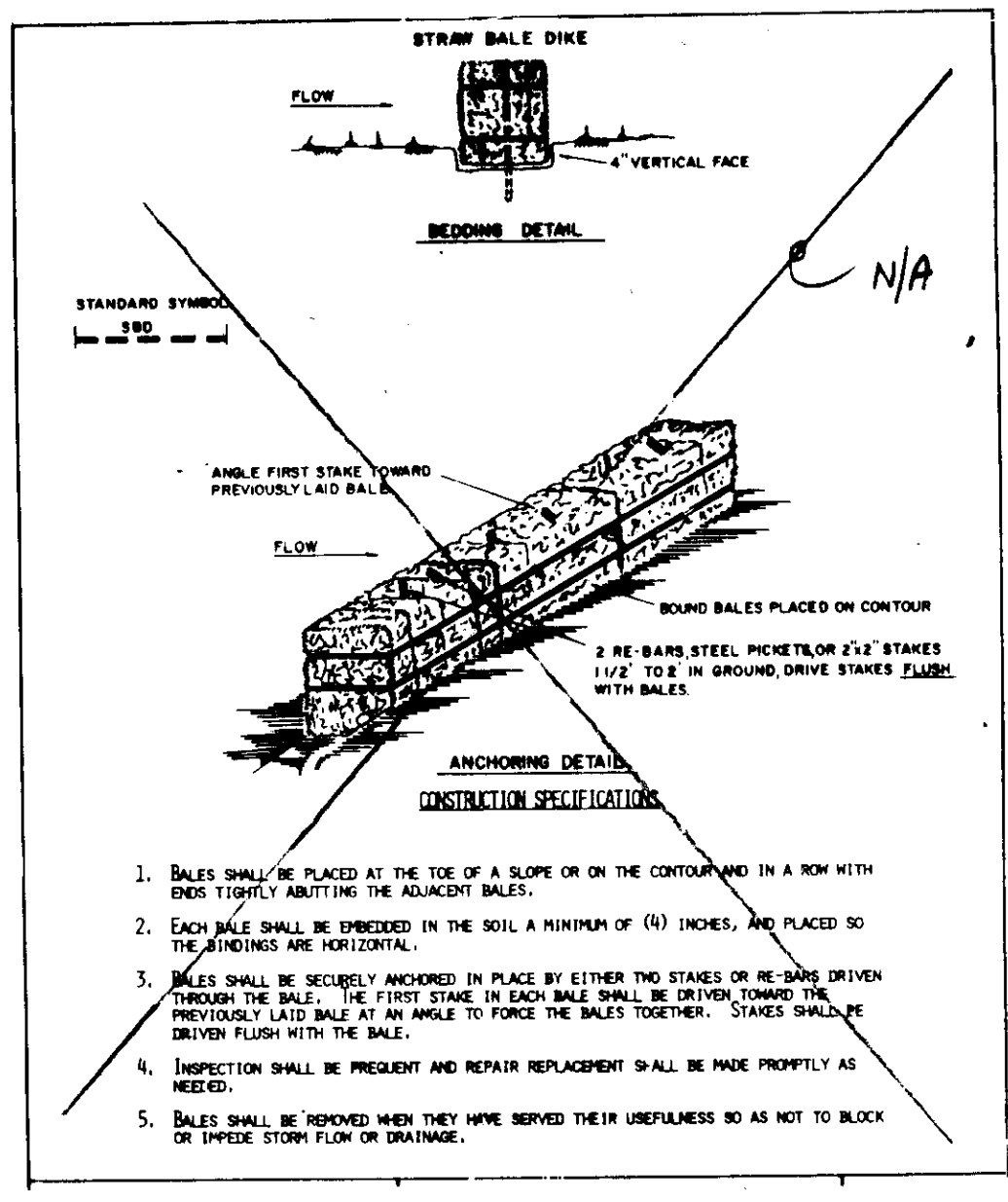
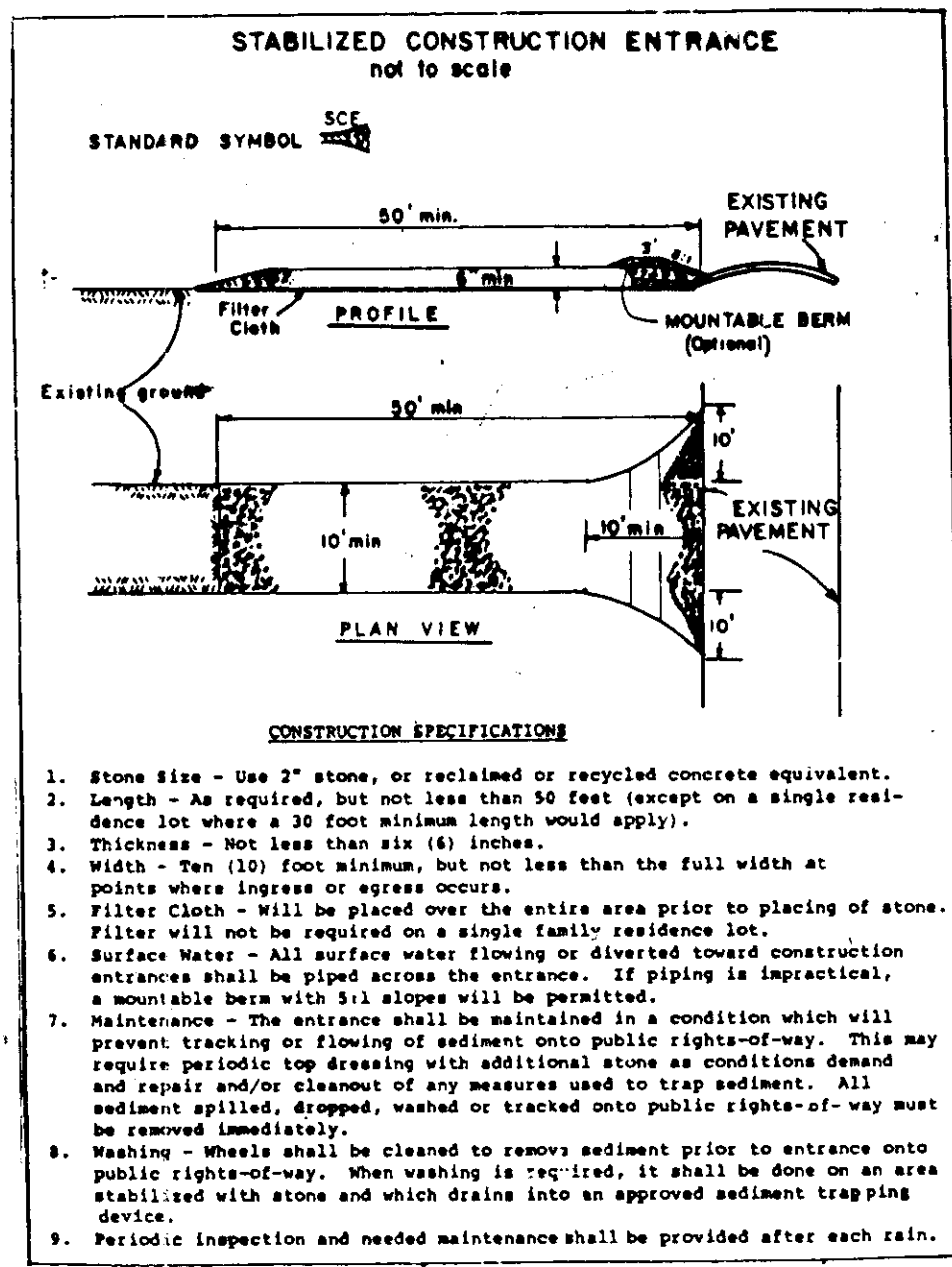
OWNER
 P & N PARTNERSHIP
 9025 CHEVROLET DR.
 ELLICOTT CITY, MD.
 21403



BUILDER
 ROBERT AWALT BUILDERS INC.,
 8289 MAIN STREET,
 P.O. BOX 363
 ELLICOTT CITY MD. 21043
 (301) 461-1315

BEDFORD SQUARE
 SITE DEVELOPMENT, GRADING & SEDIMENT CONTROL PLAN
 LOTS 1 THRU 19.
 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN CONTRACT NO. DATE: 12.5.84 SHEET 1 of 2
SDP-85-101



PERMANENT SEEDING NOTES

Seedbed Preparation: Loosen upper 3 inches of soil by raking, disking or other acceptable means before seeding.

Soil Amendments: Use one of the following schedules:

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 square ft.) and 400 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 square 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 square ft.)
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 square 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 through April 30, and August 1 through October 15, seed with 60 lbs. per acre (1.4 lbs./1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 through July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (.05 lbs./1000 square ft.) of weeping lovegrass. During the period of October 16 through February 28, project 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 unmodified asphalt on flat areas. On slopes 8 feet or higher, use 348 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

Seedbed Preparation: Loosen upper 3 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 through April 30 and from August 15 through November 15, seed with 24 lbs. per acre of annual ryegrass (3.2 lbs./1000 sq. ft.) For the period May 1 through August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs./1000 sq. ft.) For the period November 16 through February 28, protect the 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 unmodified asphalt on flat areas. On slopes 8 ft. or higher use 348 gal. per acre (8 gal./1000 sq. ft.) for anchoring.

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. (992-2437)
- 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 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 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. 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.
- 6) All sediment control structures are to remain in place and area 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: 7.9± Acres
Area Disturbed: 4.3 Acres
Area to be roofed or paved: 1.1 Acres
Area to be vegetatively stabilized: 3.2 Acres
Total Cut: 3,500 Cu. yds
Total Fill: 3,500 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.

- CONSTRUCTION SEQUENCE**
1. OBTAIN GRADING PERMIT.
 2. INSTALL SEDIMENT AND EROSION CONTROL DEVICES.
 3. INSPECT LOW FLOW BLOCKING DEVICE OF EXISTING SWM POND/ SEDIMENT BASIN AND MAINTAIN THE BASIN.
 4. INSTALL STONE CONSTRUCTION ENTRANCE A' THE DRIVEWAY OF EACH DWELLING UNIT UNDER CONSTRUCTION.
 5. ROUGH GRADE LOT AND BUILD DWELLING.
 6. FINE GRADE AREAS AROUND THE HOUSE AND STABILIZE SEEDING.
 7. WHEN THE CONSTRUCTION OF ALL DWELLINGS HAS BEEN COMPLETED AND ALL DISTURBED AREAS STABILIZED, REMOVE ALL SEDIMENT FROM THE SEDIMENT BASIN AND CONVERT IT INTO STORM WATER MANAGEMENT POND.
 8. GRADE AND STABILIZE BY PERMANENT SEEDING ALL DISTURBED AREAS WRECKED DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES.

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

[Signature] 4/17/85
U.S. SOIL CONSERVATION SERVICE DATE

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

[Signature] 4/17/85
DISTRICT DATE
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT

[Signature] 1-23-85
COUNTY HEALTH OFFICER DATE

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

[Signature] 1-21-85
DATE

[Signature] 1-28-85
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

[Signature] 1-23-85
PLANNING DIRECTOR DATE

[Signature] 1-23-85
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION HOWARD COUNTY, MARYLAND

DATE 1-7-85

[Signature]

DESIGNED		DATE		BY		DESCRIPTION	
DATE	BY	DATE	BY	DATE	BY	DATE	BY

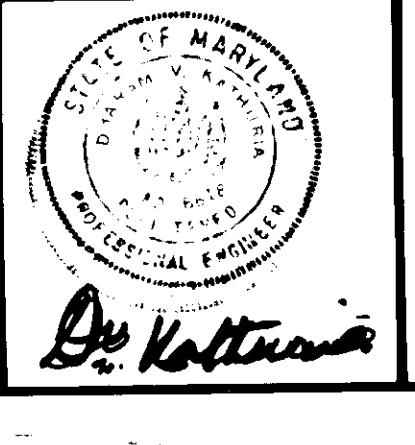
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ENGINEERS, SURVEYORS, CONSTRUCTION MANAGERS.

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BUILDER

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BEDFORD SQUARE

GRADING AND SEDIMENT CONTROL PLAN
LOTS 1, THRU 19.

2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: CONTRACT NO. DATE: 12-5-84 SHEET 24/2
SDP-85-101