

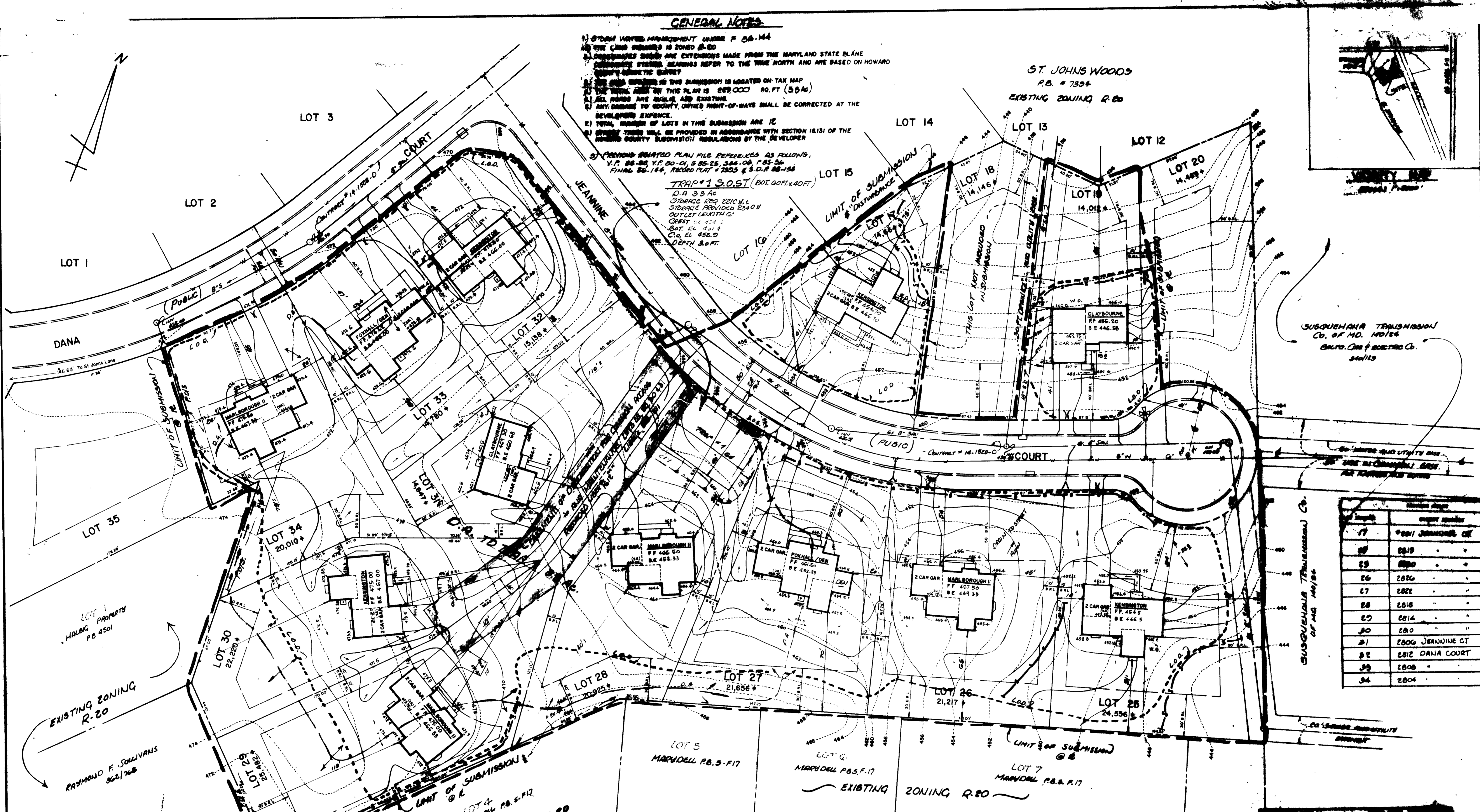
GENERAL NOTES

- 1) STORM WATER MANAGEMENT UNDER F 86-144
- 2) THE ZONING DISTRICT IS ZONED R-20
- 3) DIMENSIONS SHOWN ARE EXTENSIONS MADE FROM THE MARYLAND STATE PLANE
- 4) DIMENSIONS SYSTEM BEARINGS REFER TO THE TRUE NORTH AND ARE BASED ON HOWARD COUNTY GEODETIC CORNER
- 5) THE ONLY EASEMENT IN THIS SUBMISSION IS LOCATED ON TAX MAP
- 6) THE TOTAL AREA ON THIS PLAN IS 629,000 SQ. FT. (3.5 AC)
- 7) ALL ROADS ARE BUILT AND EXISTING
- 8) ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAYS SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE
- 9) TOTAL NUMBER OF LOTS IN THIS SUBMISSION ARE 12
- 10) STREET TREES WILL BE PROVIDED IN ACCORDANCE WITH SECTION 14.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS BY THE DEVELOPER

3) PREVIOUS RELATED PLAN FILE REFERENCES AS FOLLOWS:
 Y.P. 88-28, Y.P. 90-01, S 88-25, S 88-26, S 88-27, P 85-06,
 FINING 88-144, RECORD PLAN # 7303 & S.D.R. 88-158

TRAP #1 S.O.S.T. (BOT. GOLF. 40 FT.)
 D.A. 3.5 AC
 STORAGE REQ. 2210 Y.L.
 STORAGE PROVIDED 2340 Y.L.
 OUTLET LENGTH 10'
 CREST 44.42'
 BOT. EL. 451.4'
 C.R. EL. 458.2'
 DEPTH 3.0 FT.

ST. JOHN'S WOODS
 P.B. # 7304
 EXISTING ZONING R-20



Lot No.	Address
17	2801 JEANNINE CT
18	2819
19	2820
20	2822
21	2816
22	2814
23	2810
24	2806 JEANNINE CT
25	2812 DANA COURT
26	2808
27	2804

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 5-14-88
 APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: *[Signature]* DATE: 5/16/88
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 5/16/88
 CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 5-10-88

THIS DEVELOPMENT PLAN IS FOR THE EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: *[Signature]* DATE: 5/6/88
 REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS:
 SIGNATURE: *[Signature]* DATE: 5/6/88
 U.S. SOIL CONSERVATION SERVICE

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 3-31-88

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] DATE: 4/25/88
 ENGINEER

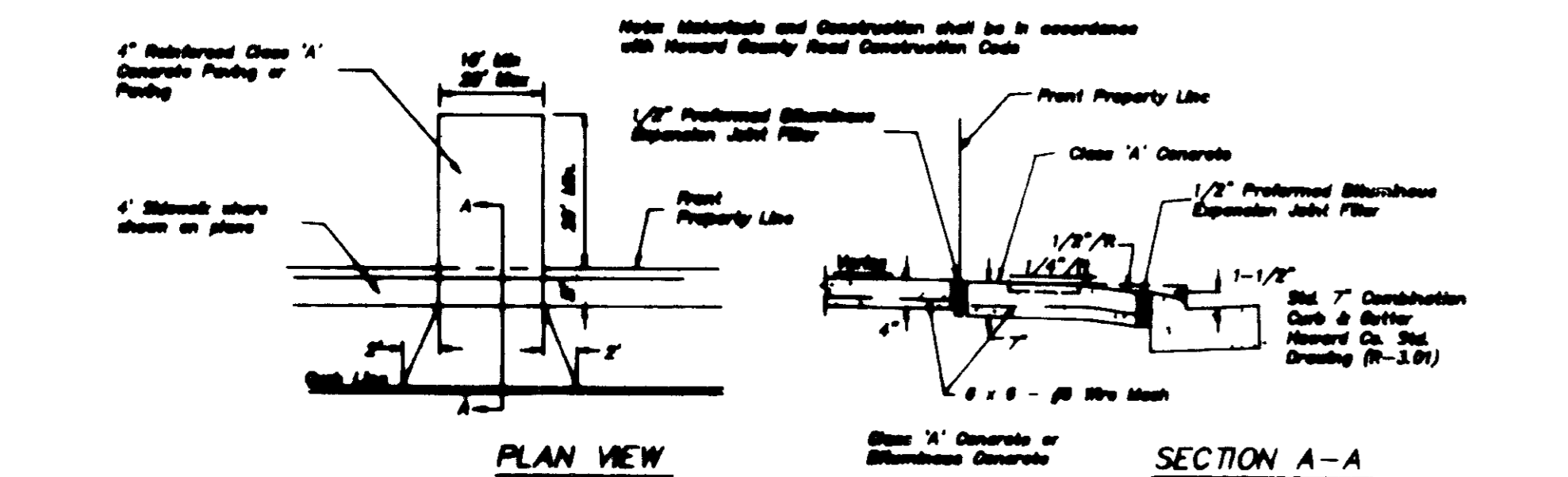
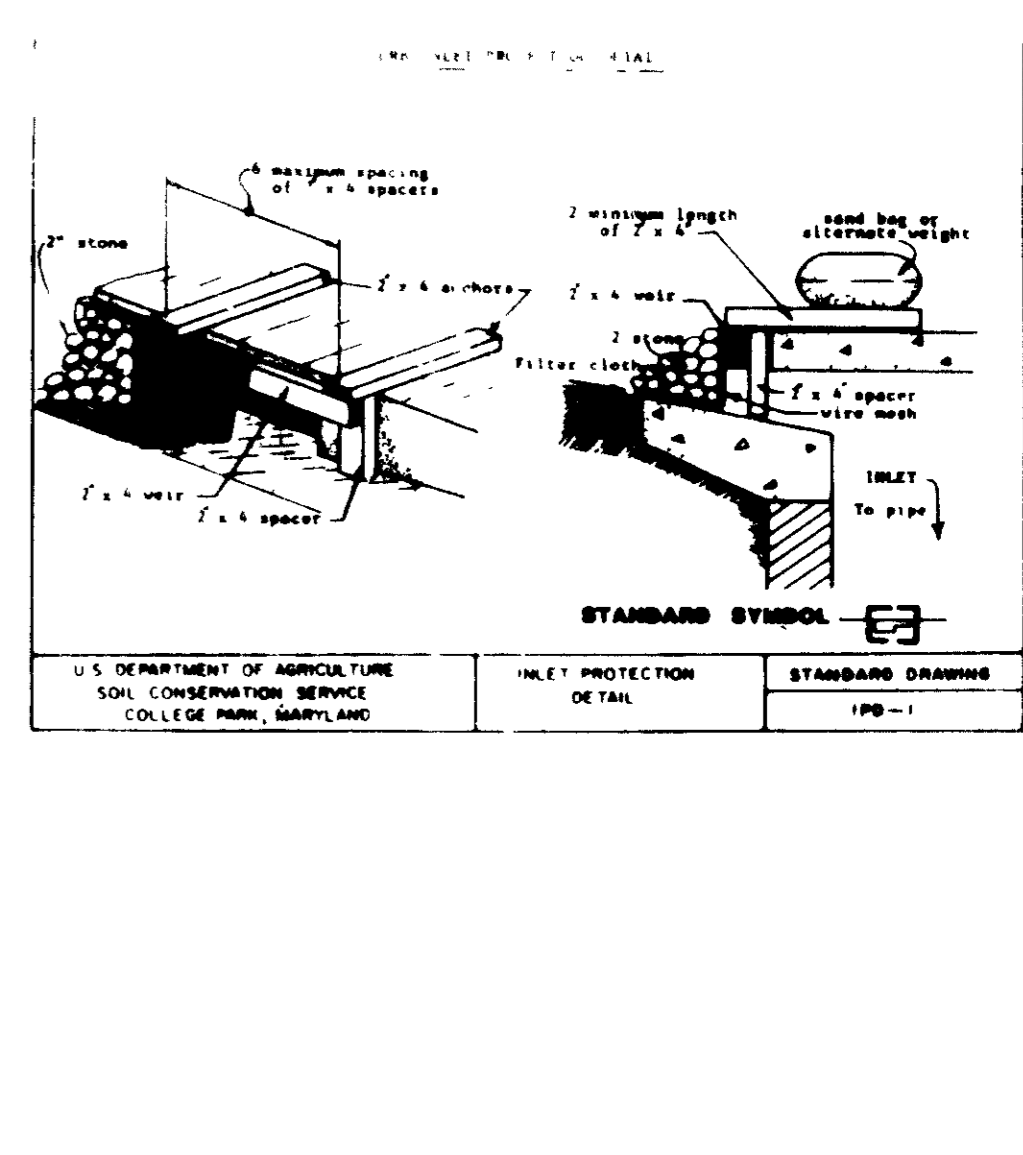
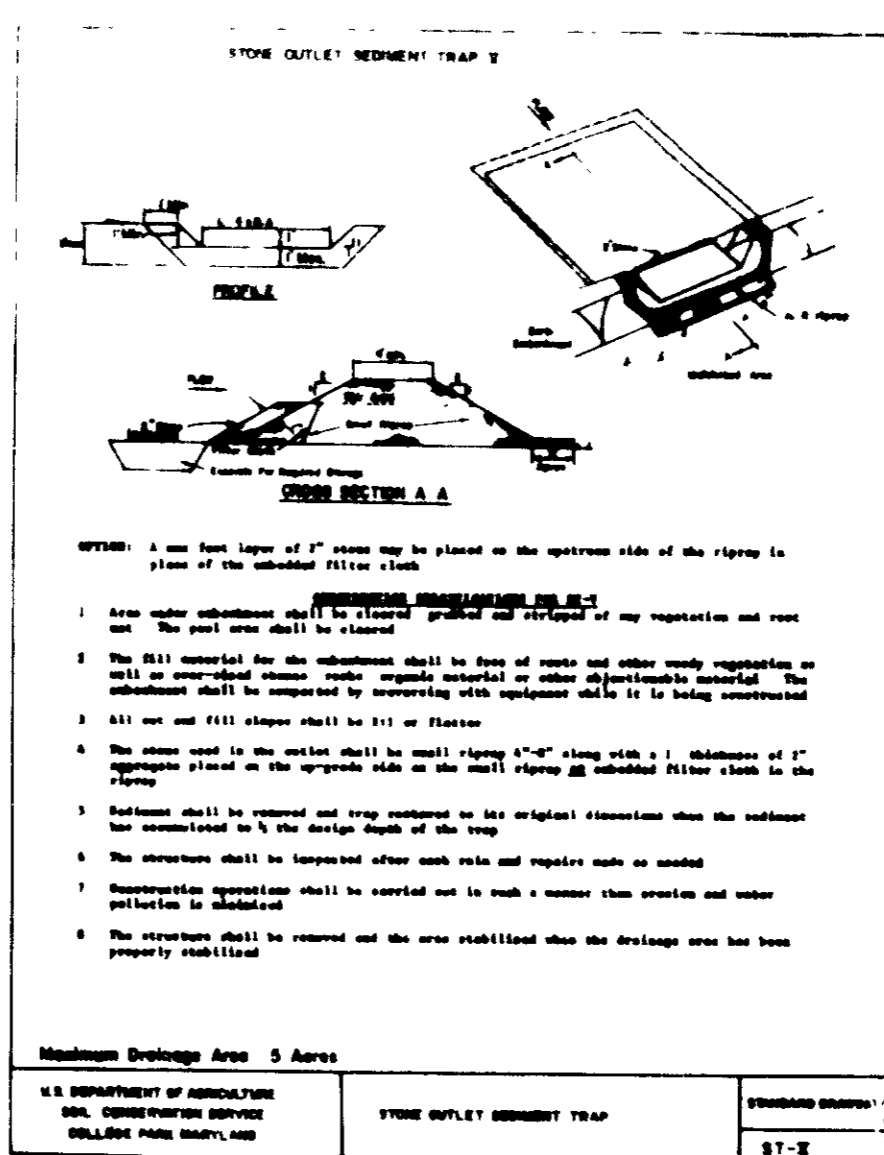
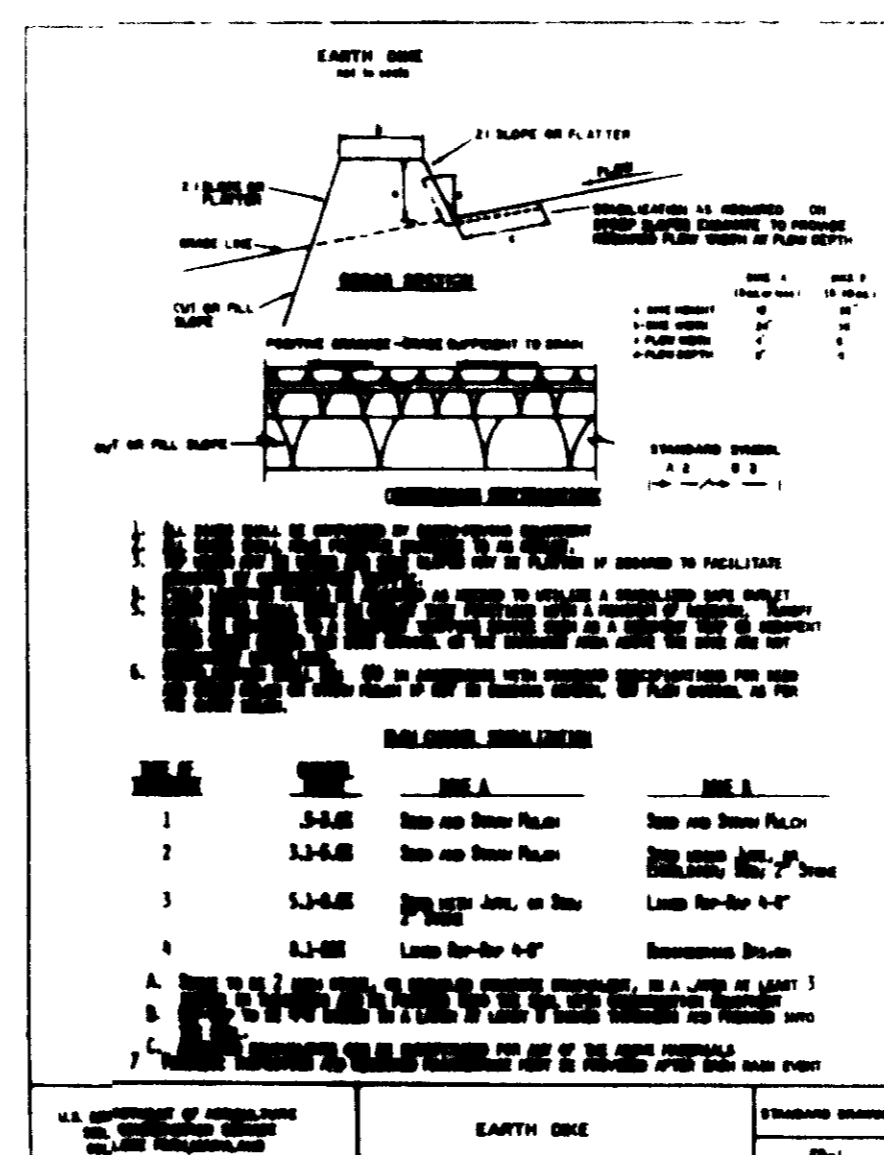
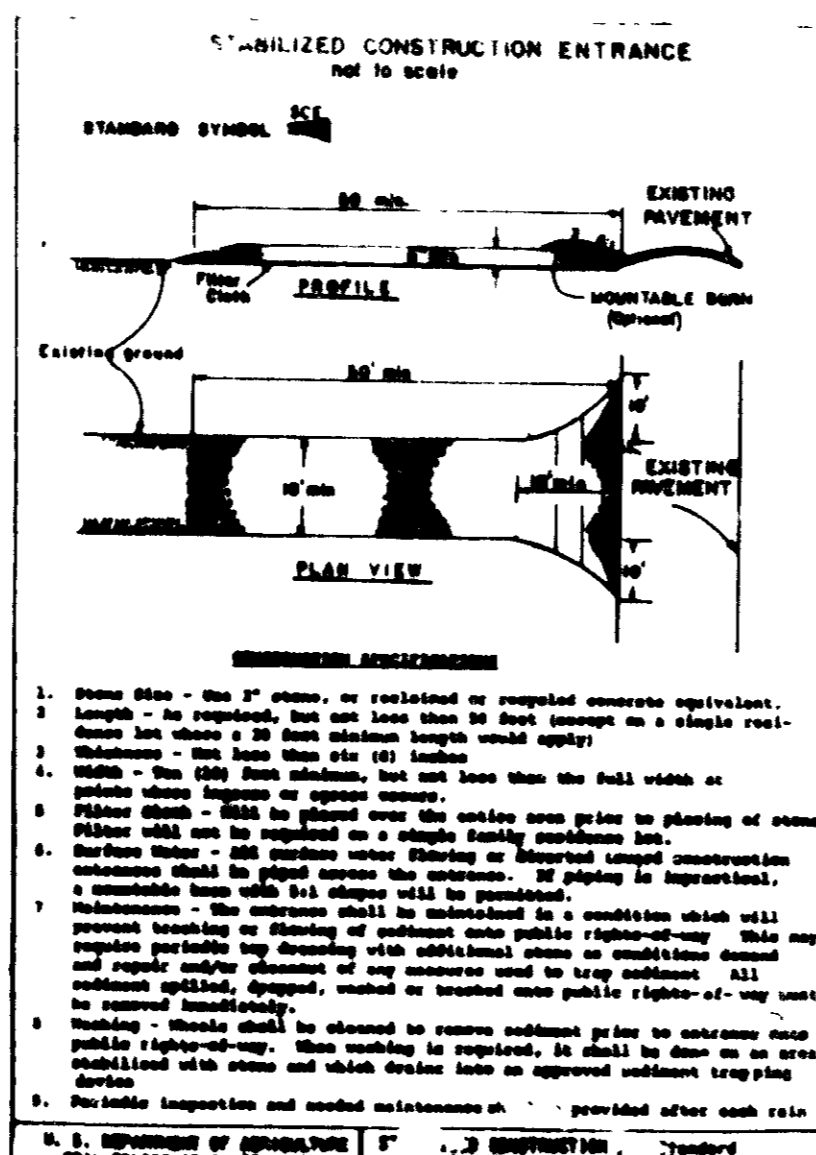
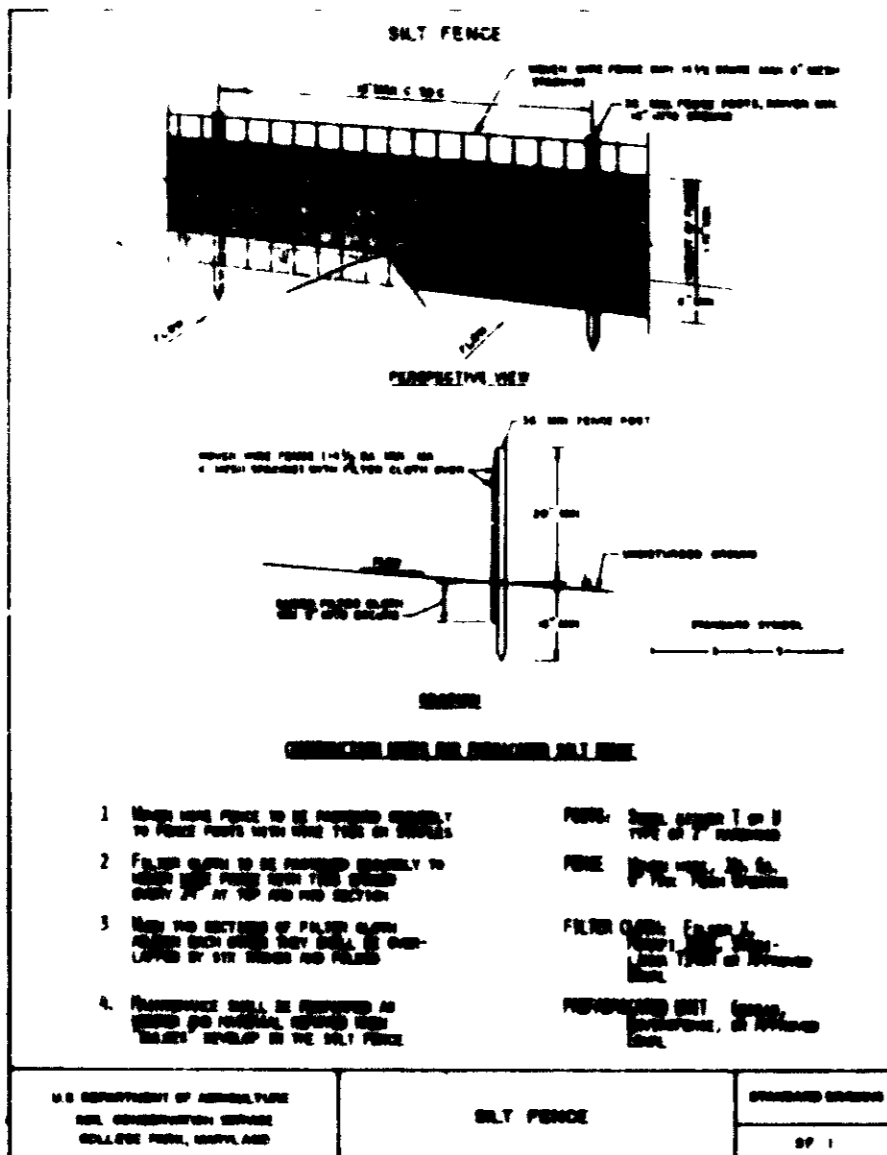
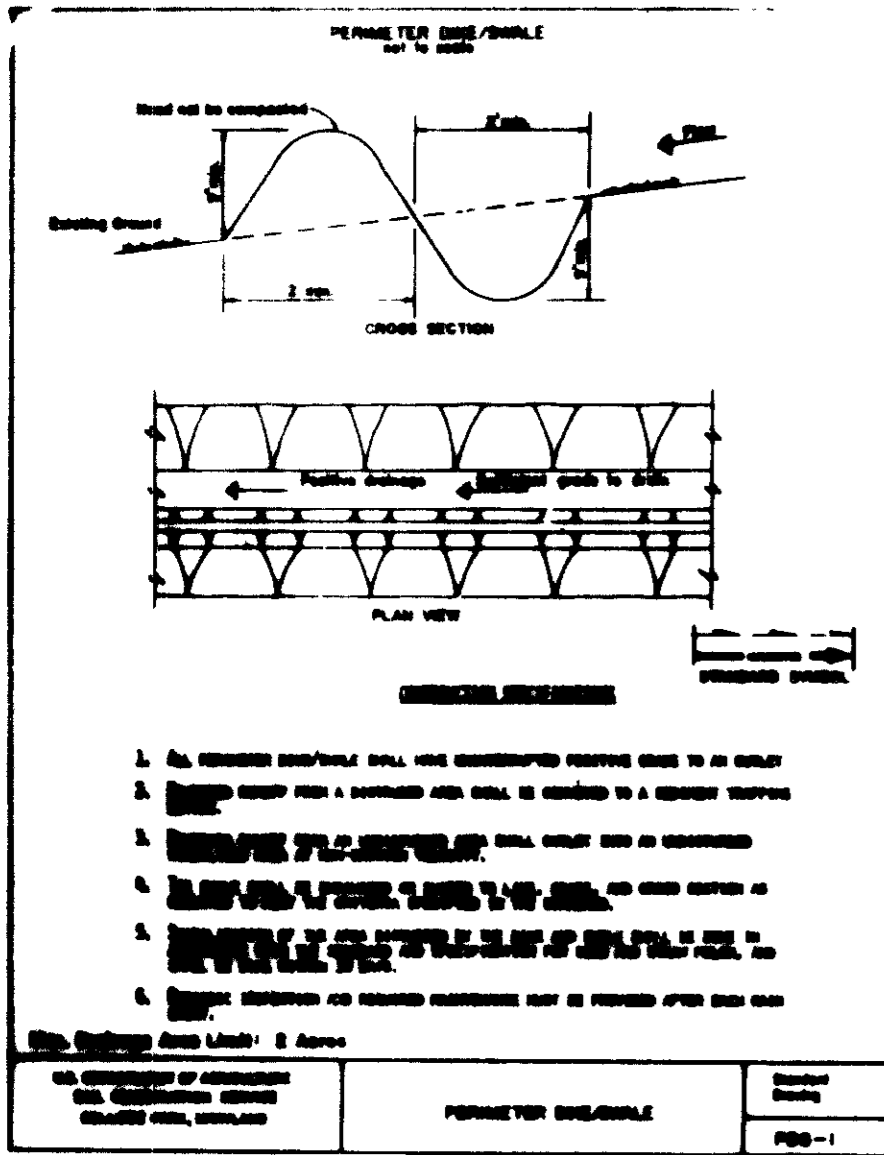
DEVELOPER/BUILDER'S CERTIFICATE
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND IS IN FULL ACCORDANCE WITH THE CONSTRUCTION PROJECT AND THAT ALL REQUIREMENTS SPECIFIED IN THE CONSTRUCTION PROJECT WILL BE MET. A CERTIFICATE OF APPROVAL AT A DEPT. OF NATURAL RESOURCES APPROVED THROUGH PERMITS FOR THE CONTROL OF SEDIMENT AND EROSION CONTROL PLAN FOR THE PROJECT. I ALSO AUTHORIZE PERSONS OR OTHER EMPLOYEES BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.
[Signature] DATE: 4/25/88
 SIGNATURE OF DEVELOPER/BUILDER

LAND DESIGN ASSOCIATES
 718 HIGHWOOD DRIVE
 BALTIMORE, MD 21212 301/323-6800

ST. JOHN'S WOODS
 LOTS 17, 19 & 25 THROUGH 34 (PLATS)

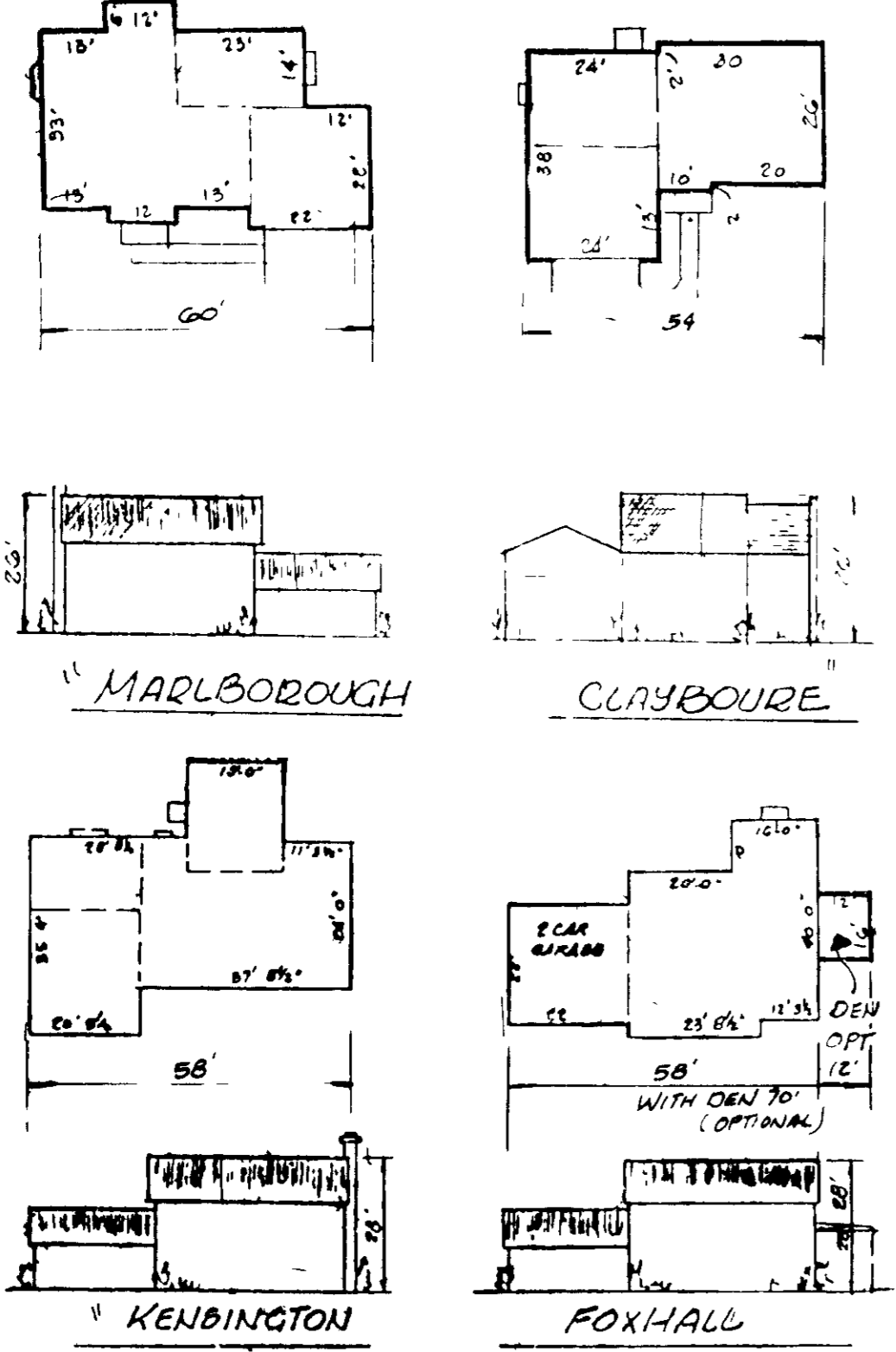
SITE DEVELOPMENT & SEDIMENT CONTROL PLAN
 SECOND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

FOR: *[Signature]* DATE: 4/25/88
 2121
 2121
 2121



DRIVEWAY ABUTTING STD. 7" COMB. CURB & GUTTER
NOT TO SCALE

HOUSE TYPES
SCALE 1/8" = 1'-0"



SEQUENCE OF OPERATIONS

WEEK	OPERATION
1	OBTAIN GRADING PERMIT, Notify Sediment Control Division 48 hours prior to start of operation
1-3	Clear and grub for sediment control measures only
2-3	Grade for sediment control measures in designated areas
3-5	Install all sediment control measures that do not conflict with existing sediment traps and basins
5-7	Clear and grub remainder of site
7-10	Excavate foundations and rough grade site excluding lots
9-10	With the approval of the inspector install remaining sediment control devices on the remaining lots
10-12	Excavate and rough grade lots
8-15	Fine grade, topsoil, and seed areas immediately
15-20	After turf is established and upon the approval of the inspector, remove temporary sediment control measures and clear up site

SEDIMENT CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspections 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
- 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
- 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
- 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 does not allow for proper germination and establishment of grasses
- All sediment control structures are to remain in place and are to be maintained in operation condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:

Total Area of Site	5.5 acres
Area Disturbed	2.2 acres
Area to be roofed or paved	2.0 acres
Area to be vegetatively stabilized	3.40 acres
Total Cut	2,700 cu. yds
Total Fill	2,700 cu. yds
Offsite waste/borrow area location	NONE
- 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 12 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.

TEMPORARY SEEDING NOTES

- SEEDBED PREPARATION - Loosen upper 3 inches of soil by disking, raking, or other acceptable means, if NOT PREVIOUSLY DOSEMED
- SOIL AMENDMENTS - Apply 800 lbs. (15 lbs./1000 sq.ft.) of 10-20-10 fertilizer
- SEEDING - For periods March 1 thru April 30, and from August 15 thru November 15, seed with 2 1/2 bushels per acre (3.2 pounds/1000 sq.ft. of annual ryegrass). For the period May 1 thru August 14 seed with 3 pounds per acre (0.07 lbs./1000 sq.ft.) with Weeping Lovegrass.
- MULCHING - Apply 1.5 to 2 tons per acre (70 to 90 pounds per 1000 sq.ft.) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using 200 gallons per acre (5 gallons per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes 6 feet or higher use 348 gallons per acre (8 gallons per 1000 sq.ft.)

PERMANENT SEEDING NOTES

- SEEDBED PREPARATION - Scarify or otherwise loosen upper 5 inches of soil. Clods shall be broken up and the top three (3) inches of soil shall be worked into a satisfactory seedbed by raking, disking or other acceptable means before seeding, if NOT PREVIOUSLY DOSEMED
- SOIL AMENDMENTS - Apply 3 tons per acre dolomitic limestone (138 lbs./1000 sq.ft.) and 800 lbs. per acre 0-20-20 fertilizer (14 lbs./1000 sq.ft.). Harrow or disc lime and fertilizer into upper three inches of soil. At time of seeding, apply 400 lbs. per acre (99.2 lbs./1000 sq.ft.) of 38-0-0 ureaform fertilizer and 500 lbs. per acre (11.5 lbs./1000 sq.ft.) of 10-20-20 fertilizer
- SEEDING - Grass seed shall be certified seed only and should be delivered to the site with original state certification or in the case of a mixture, certified by the Maryland Department of Agriculture

TURF GRASS MIXTURE

Common Name	% by Weight	Min % Purity	Minimum % Germination
Tall Fescue (Rebel 75, Hound Dog, Falcon Nu-78 or Shannon KS 27)	90	98	90
Kentucky Blue Grass (Kenblue)	10	98	90

MULCHING

- MULCHING - Apply 1.5 to 2 tons per acre (70 to 90 pounds per 1000 sq.ft.) of untreated small grain straw immediately after seeding. apply mulch immediately after seeding. Anchor mulch immediately after application using 348 gallons per acre (8 gallons/1000 sq.ft.) of emulsified asphalt.

MAINTENANCE

- MAINTENANCE - Inspect seeded areas and make needed repairs, replacements, and reseeding

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 3-31-88

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
Matthew D. Hinkle
DATE 4/25/88

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. ALSO AUTHORIZED PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY
Robert Shepler
DATE 4/22/88

THIS DEVELOPMENT PLAN IS PROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Stephen L. Shuler
DATE 4/4/88

REVISED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS
John M. Helm
DATE 5/6/88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT
John M. Helm
DATE 5/14/88
APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING
Joseph B. Ruetz
DATE 5/18/88
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Joseph B. Ruetz
DATE 5/18/88
DIRECTOR
Joseph B. Ruetz
DATE 5/18/88
CHIEF BUREAU OF ENGINEERING
Joseph B. Ruetz
DATE 5/18/88

LAND DESIGN ASSOCIATES
718 HIGHWOOD DRIVE
BALTIMORE, MD 21212 301/323-0805

REVISIONS

NO.	DESCRIPTION

"ST. JOHNS WOODS"
LOTS 17, 19 & 25 THUR 34 (12 LOTS)

SITE DEVELOPMENT & SEDIMENT CONTROL PLAN
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FOR GRAYSON HOMES, INC
9025 CHEVROLET DRIVE
ELLCOTT CITY, MD 21043
DESIGNED R.W.
DRAWN R.W.
CHECKED W.P.
SCALE 1/8" = 1'-0"
SHEET 2 OF 2
DATE 4/22/88