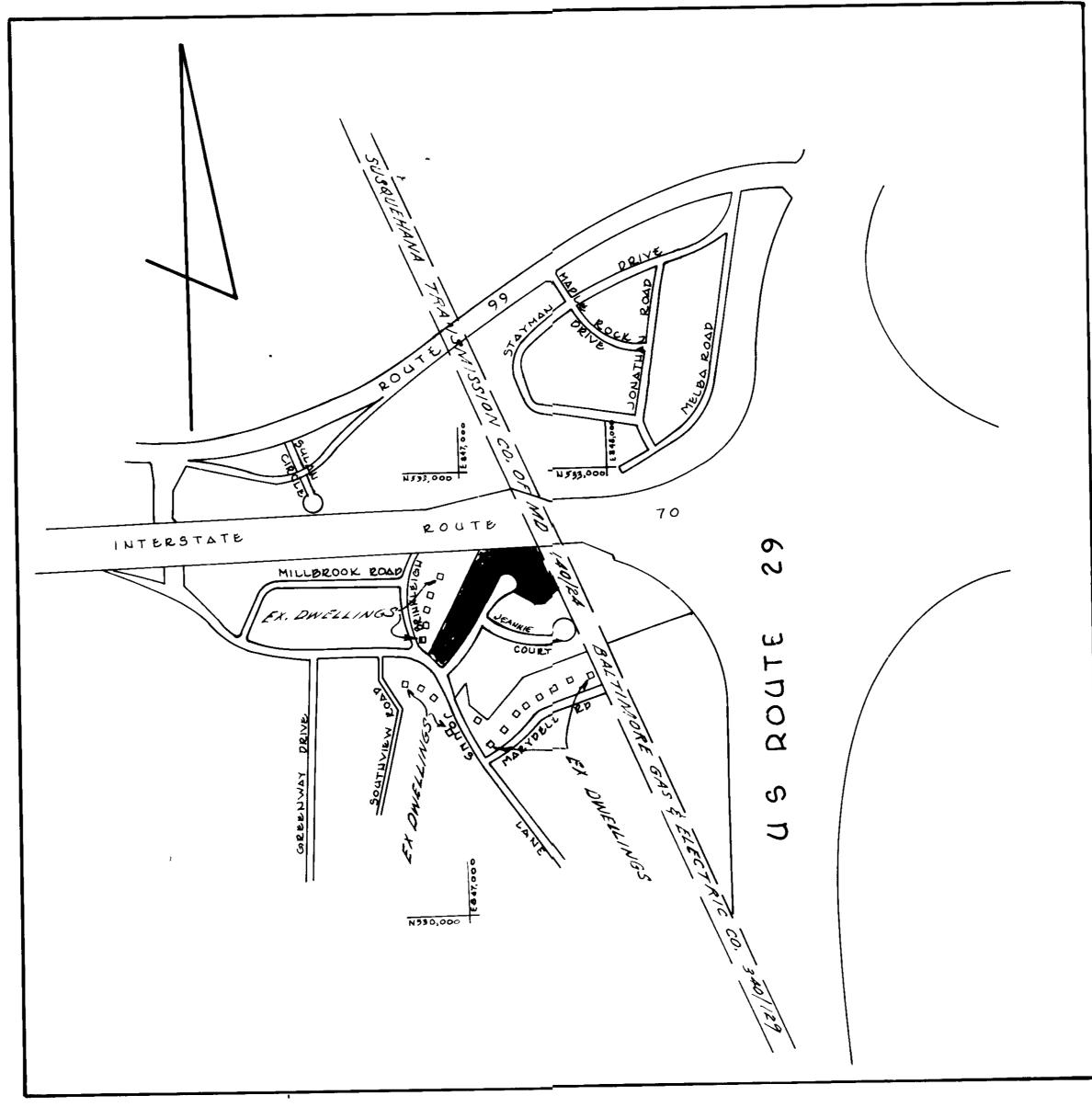
ID MEETS TECHNICAL THIS DEVELOPMENT IS APPROVED SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. DATE / 11-27-87 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS -40 EVELOPMENT AND ZONING ADMINISTRATION APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

LIST OF DRAWINGS

DRAWING NO. 1 LOCATION PLAN SITE DEVELOPMENT PLAN DRAWING NO. 2 SEDIMENT CONTROL PLAN DRAWING NO. 3 DETAIL SHEET DRAWING NO.4



VICINITY MAP SCALE 1"= 600'

NOTE: ADJACENT BUILDING LOCATIONS SHOWN HEREON ARE BASED ON MAPS.

ADDRESS CHART DEVELOPER'S CERTIFICATE 2801 DANA COURT 1 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 RE-SPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR 2809 THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT | ALSO 4 28/3 AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT
OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY E8/7 2821 2825 2829 ENGINEER'S CERTIFICATE 2833 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CO THOL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION 10 2844 12 2836 10-12-87 DATE DESCRIPTION 2832 DANA COURT REVISIONS

GENERAL HOTES

- 1. TAX MAP: 17 BLOCK: 17 PARCEL. 79
- 2. DEED REFERENCE: 1698 / 637 3 EXISTING ZONING: R-20
- 4. PROPOSED SITE USE: SINGLE FAMILY DWELLINGS
- 5 AREA OF SITE: 260879 SQ FT. OR 5.989 ACRES. 6 ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND
- SPECIFICATIONS. 7. UTILITIES TO BE UTILIZED:
 WATER - PUBLIC, WATER CODE NOA, CONTRACT NO 14-1528-D
- SEWER PUBLIC, SEWER CODE 1403600, CONTRACT NO 14-1828-D 8 ALL ONSITE DRIVEWAYS AND PARKING AREAS ARE PRIVATE.
- 9. HALBIG LANE PUBLIC ROAD COUNTY MAINTAINED
- 10. ANY DAMAGE TO A COUNTY OWNED RIGHT-OF-WAY SHALL BE
- CORFECTED AT THE DEVELOPERS EXPENSE. 11. CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND
- UTILITIES PRIOR TO BEGINNING WORK.
- 12. CONTRACTOR TO NOTIFY MISS UTILITY AT 1-559-0100 AT LEAST FIVE (5) DAYS PRIOR TO BEGINNING CONSTRUCTION.
- 13. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION/INSPECTIONS DIVISION OF HOWARD COUNTY AT 792-7272 AT LEAST 24 HOURS PRIOR TO BEGINNING
- CONSTRUCTION 14. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE DIRECTOR
- OF ENGINEERING OF BOENDER ASSOCIATES, INC. AT LEAST 2 BUSINESS DAYS PRIOR TO BEGINNING CONSTRUCTION.

SITE ANALYSIS

- 1. AREA OF PARCEL: 5.989 ACRES OR 260879 SQ. FT.
- 2. EXISTING ZONING: R-20 3. TOTAL NUMBER OF LOTS: 13
- 4. TOTAL NO. OF DWELLING UNITS ALLOWED: 13
- 5. TOTAL NO. OF DWELLING UNITS PROVIDED: 13 PARKING REQUIREMENTS.
- 13 SINGLE FAMILY HOUSES @ 2 SPACES PER HOUSE = 26 SPACES
- 7. PARKING PROVISIONS:

2 PARKING SPACES PER GARAGE = 26 SPACES

OWNER

DEVELOPER

ST JOHNS WUUDS JOINT VENTURE, INC. KNECHT ENTERPRISES 3565 ELLICOTT MILLS DRIVE 3230 BETHANY LANE ELLICOTT CITY, MD 21043

ELLICOTT CITY, MD 21043 SECT./AREA LOT/PARCEL &

ST JOHN'S WOODS PHASE I 60' 1-13 PLAT & OR L/T BLOCK & ZONE TAX/ZONE MAP ELEC. DIST. CENSUS TR.

1698/637 16 R-20 17 2NO 6022 1698/637 16 8-20 HATER CODE 1403600 404

LOCATION PLAN PROJECT ST. JOHN'S WOODS PHASE 1, LOTS 1-13

LOCATION TAX MAP. 17 BLOCK: 17 PARCEL: 79 HOWARD ___CO, MD 2 MD ELECTION DISTRICT SCALE DESIGNED BY DRAWN BY CHECKED BY DATE AUG 87 LEB JOL 1"=30' JTN DRAWING NO JOB NO FIELD BOOK PAGE NO

boender associates consulting engineers land surveyors land planners COURTHOUSE SQUARE 3565 ELLICOTT MILLS DRIVE ELLICOTT CITY, MD 21043 (301) 465-7777

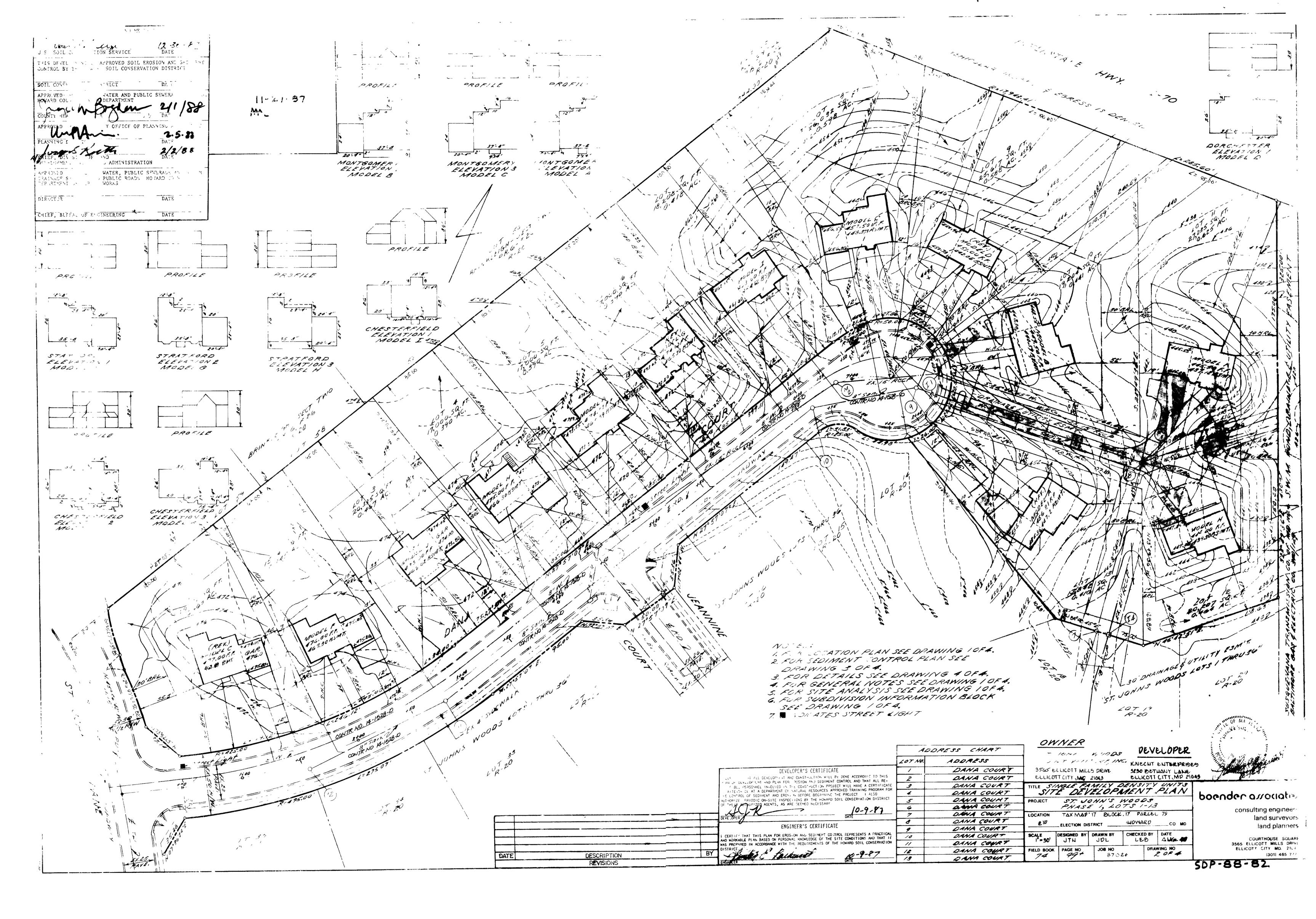
O. P. & Z. FILE NOS. !

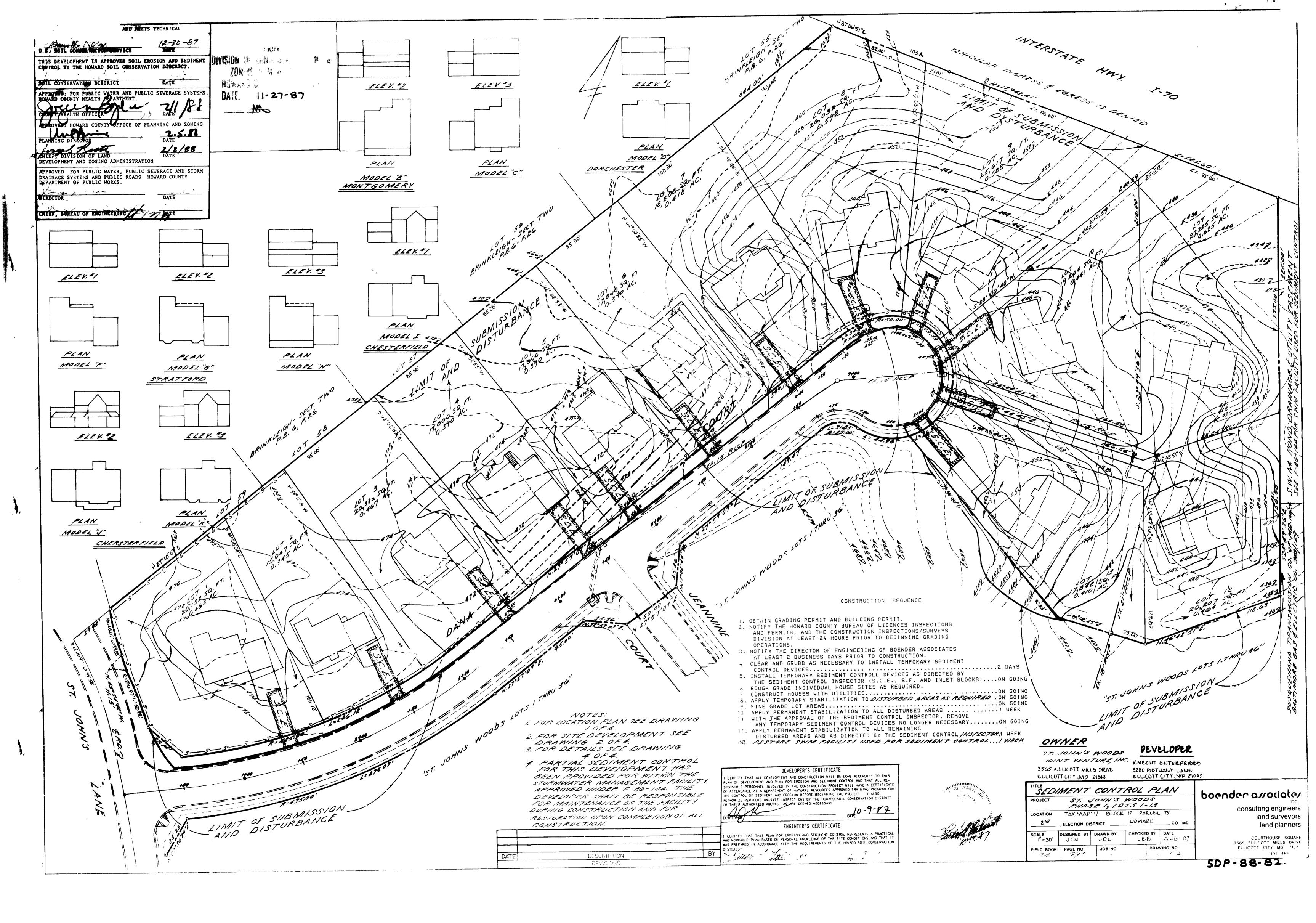
P-85-36; 5-85-25;

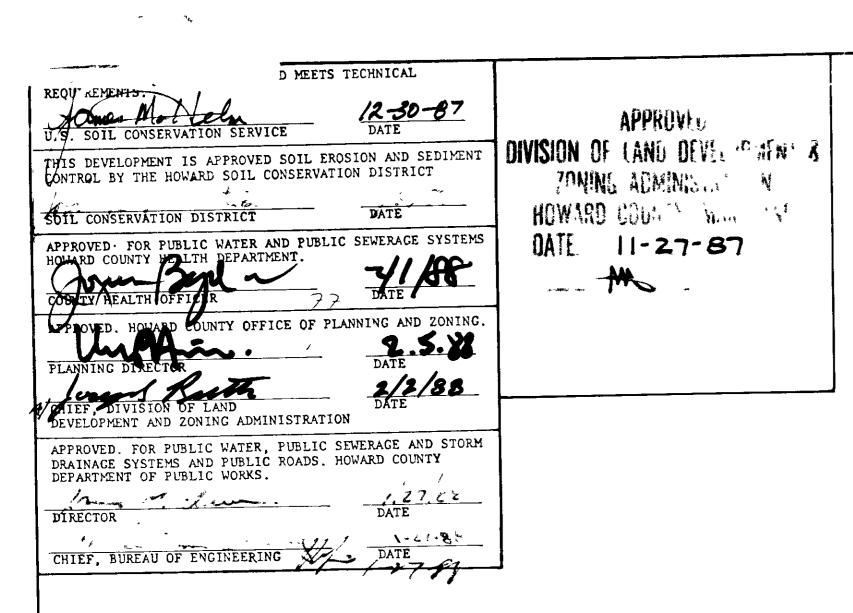
VP-85-88; F-86-144;

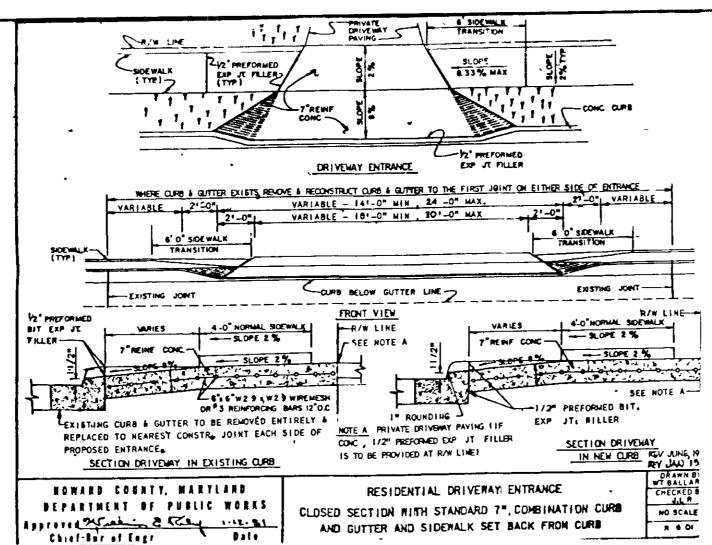
5DP-88-82

P-87-15

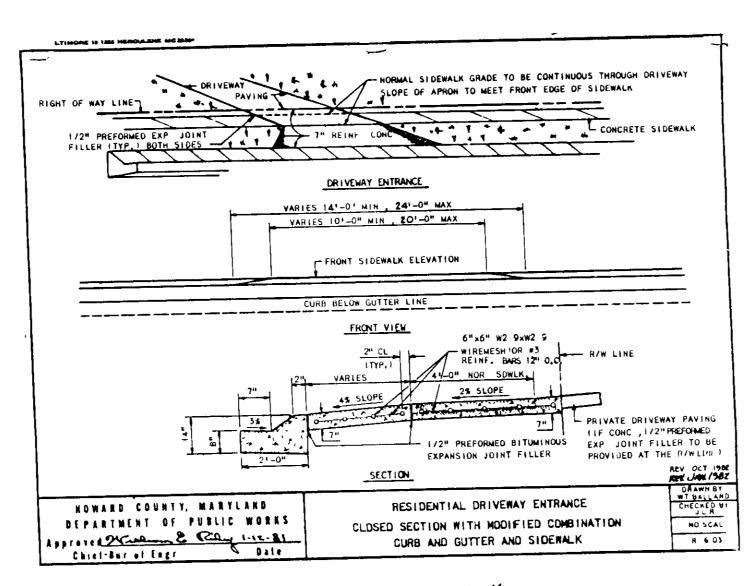








DETAIL "A"



DETAIL "B"

DATE

DESCRIPTION

REVISIONS

STABILIZED CONSTRUCTION ENTRANCE

STANDARD SYMBOL EXISTING M PAVEMENT MOUNTABLE BERM PROFILE (Optional) Existing ground PLAN VIEW

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 10 foot minimum length would apply).
- Thickness Not less than six (6) inches. . 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 bern with 5:1 slopes will be permitted.

 7. Haintenance - The entrance shall be maintained in a condition which will prevent fracking or flowing of sediment onto public rights-of-way. This may prevent tracking or klowing or sequent onto public rights—or-way. Into a require periodic top dressing with additional stone as conditions desard 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
- S. 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.

PERMANENT SEEDING NOTES

9 Periodic inspection and needed maintenance shall be provided after each rain

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, discing or other acceptable means before seeding, IF NOT PREVIOUSLY CONSENSE.

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 square ft) 1) Preferred - Apply 7 tons per acre dolomitic limestone (92 lbs/1000 square 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 ferbilizer (9 lbs/1000 sq ft)

2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (2) 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 thre July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre

thre 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 16 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 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw Mulching - Apply 14 to 2 tons per acre (70 to 90 1bs/1000 sq ft) of unrotted small grain Mulching - Apply 14 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grall straw immediately after seeding. Anchor mulch immediately after application using which a shoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt of flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft)

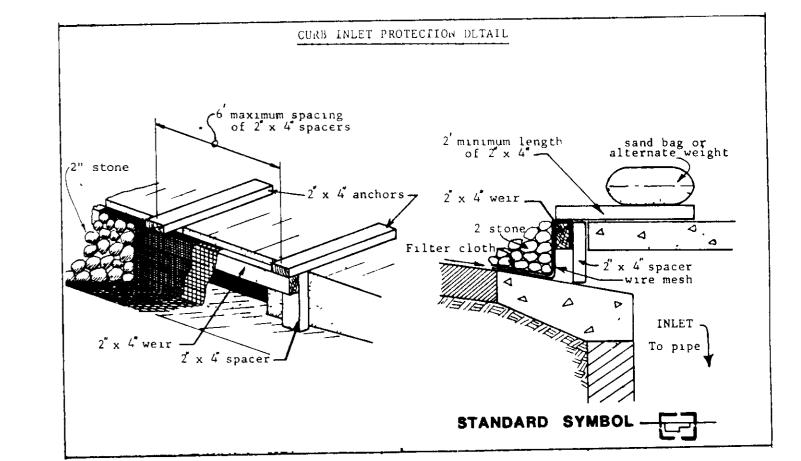
Matinenance - Inspect all seeded areas and make needed repairs replacements and reseedings

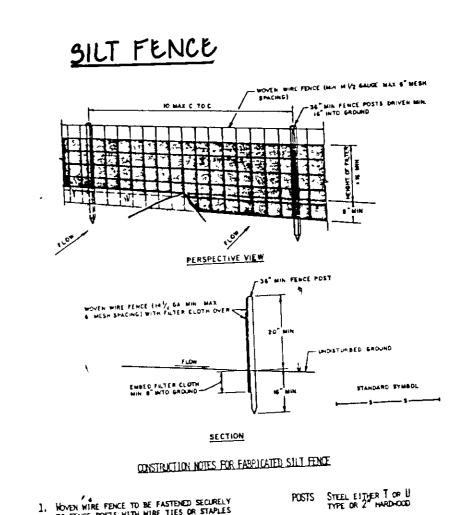
TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative Seedbed Preparation Loosen upper three inches of soil by raking discing 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 25 bushel per acre of annual rye (3 2 lbs/1000 sq ft) For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (07 lbs/1000 sq ft) For ther period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored arraw mulch and seed as soon as mossible in the spring, or use sod

well anchored straw mulch and seed as soon as possible in the spring, or use sod Mulching Apply 14 to 2 tons per acre \$70 to 90 lbs/1000 sq ft) of unrotted small grain nuiching Apply 14 to 1 tons per acre a/o to 90 ins/1000 sq ft) of inforted small grade 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, B ft.or.higher, -use 348 gal-per acre (8 gal/1000 sq ft) for anchoring Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT





FENCE HOVEN WIRE, 14 GA
6 MAX MESH OPENING

FILTER OLOTH FILTER X. Mirafi 100X, Stabi-Linka 1140N or Approved Equal

PREFABRICATED UNIT GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

- 1. HOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES 2 FILTER CLOTH TO BE FASTENED SECURELY TO HOVEN HIRE FENCE WITH TITES SPACED EVERY 24" AT TOP AND HID SECTION
- 3 N-EN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED
- 4 TAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED HIEN BALES DEVELOP IN THE SILT FENCE

SEDIMENT CONTROL NOTES

- 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 (2012) 2012.
- 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 INDICEDIAL OF THE PROPERTY O LROSION 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 lb) 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 secondance 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for persanent seedings (Sec 51) sod (Sec 54), temporary seeding (Sec 50) and aulching (Sec 52) Temporary stabilization with mulch slone 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 Coursel Vermiller Control Inspector
- 7) Site Analysia
 Total Area of Site Area Disturbed Area to be roofed or paved Area to be vegetatively stabilized Offsite waste/borrow area location
- 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
- 10) 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.

VOTES: 1. FOR LOCATION PLAN SEE DRAWING 1 OF 4. 2. FOR SITE DEVELOPMENT PLAN SEE DRAWING 2 OF 4. 3. FOR SEDIMENT CONTROL PLAN SEE DRAWING 3 OF 4.

DEVELOPER'S CERTIFICATE I CEPTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DOME ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTPOL AND THAT ALL RE-SPONSIBLE 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 INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY 10-9-87 ENGINEER'S CERTIFICATE I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CO TPOL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT VAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION ENGINEER DISTRICT

OWNER ST 6.111 1 11 1025 WINT VEW TUKE, ING.

3565 ELLILOTT V LLO TRIVE

ELLICOTT CITY MD 21043

DEVELOPER

KNECHT ENTERPRISES 3230 BETHANY LANE ELLICOTT CITY, MD 21043

DETAIL SHEET ST. SONN'S WOODS PROJECT PNASE 1, LOTS 1-13 TAXMAP: 17 BLOCK: 17 PARCEL: 79 _ELECTION DISTRICT ____HOWARD ____CO MD DESIGNED BY DRAWN BY CHECKED BY DATE AUG 87 LEB UTU JDL 1"=30" DRAWING NO JOB NO PAGE NO FIELD BOOK 4054 87026

boender associates

land surveyors land planners COURTHOUSE SQUARE 3565 ELLICOTT MILLS DRIVE ELLICOTT CITY, MD 21043

consulting engineers

(301) 465 7777

5DP-88-82