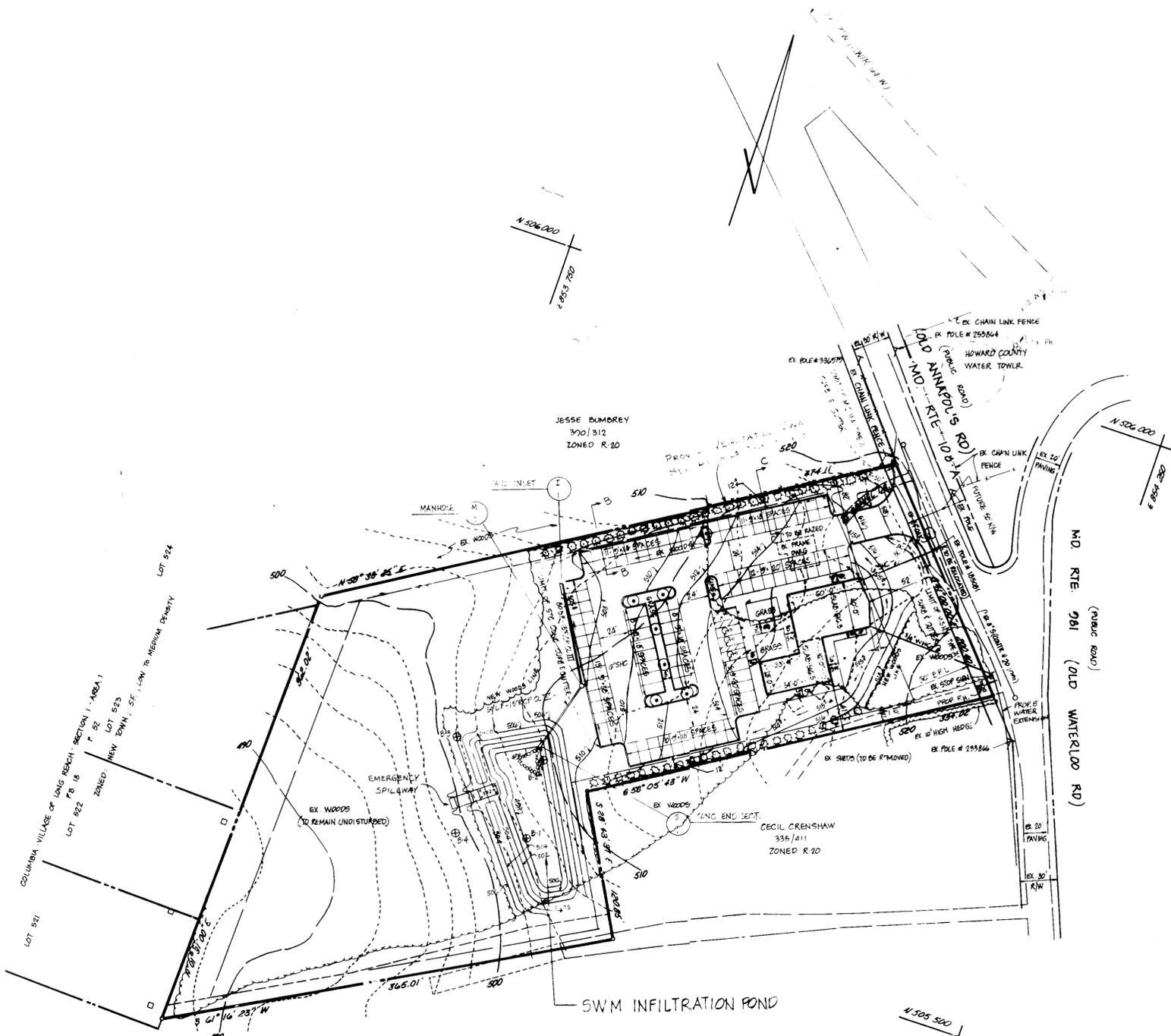
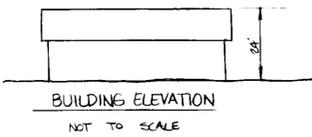


**GENERAL NOTES**

- TAX MAP 30 BLOCK 24 PARCEL 84 DEED REFERENCE 1315/537
- EX. ZONING R-20
- SUBJECT TO B.A. CASE # 85-08
- AREA OF PARCEL: 3.4126 AC
- PROPOSED SITE USE CHURCH
- ANY DAMAGE TO THE COUNTY OWNED RIGHT OF WAYS SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE
- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS
- CONTRACTOR TO NOTIFY MISS UTILITY AT 1-800-0100 AT LEAST FIVE DAYS PRIOR TO BEGINNING CONSTRUCTION
- ALL ONSITE PARKING AND DRIVEWAYS ARE PRIVATE
- PARKING TABULATIONS:  
REQ'D: 1 SPACE PER 3 SEATS  
SEATING CAPACITY: 250 (MAXIMUM) = 83.3 SPACES  
PROVIDED: 84 SPACES (INCLUDING 4 HANDICAPPED)
- AREA OF PARKING LOT: 27,184 SQ. FT.  
6% LANDSCAPED ISLANDS REQ'D: 1360 SQ. FT.  
LANDSCAPED ISLANDS PROV'D: 1780 SQ. FT. OR 6.5%
- BUILDING COVERAGE:  
4,573.36 SQ. FT. OR 2.8%
- AREA OF OPEN SPACE: 4.5 AC
- ALL PARKING LOT RADII ARE 5' EXCEPT AS SHOWN
- ALL EXTERIOR LIGHTING TO BE DIRECTED/REFLECTED AWAY FROM PUBLIC R/W AND SURROUNDING PROPERTIES
- ALL CURB TO BE BITUMINOUS CURB EXCEPT AS NOTED ON PLAN

NOTE:  
TREES TO BE REMOVED ONLY WHEN NECESSARY FOR CONSTRUCTION



APPROVED FOR CHECK WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT. DATE: 11-10-86

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING. DATE: 11-12-86

APPROVED: DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION. DATE: 11-17-86

APPROVED FOR CHECK WATER AND PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. DATE: 11-6-86

APPROVED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS. DATE: 11-2-86

THIS DEVELOPMENT IS APPROVED SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. DATE: 11/4/86

**DEVELOPER'S CERTIFICATE**

I 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 PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM AND THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERSONS OR SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT ON THEIR AUTHORIZED AGENCIES, AS AND DEEMED NECESSARY.

DATE: 2/6/86

**ENGINEER'S CERTIFICATE**

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL 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 DISTRICT.

DATE: 10-30-86

HILARIA F. COOPER  
552/760  
ZONED R-20

**LANDSCAPING SCHEDULE**

SPACING	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	SYMBOL
8	PRUNUS SEROTINATA KWANSAN	KWANSAN CHERRY	6" BHT	AS SHOWN	⊙
50	PRUNUS STROBUS	WHITE PINE	MIN 6" HT	10' O.C.	⊙

**ADDRESS CHART**

LOT NUMBER	STREET ADDRESS
PARCEL 84	8621 MD RTE 108

**SUBDIVISION NAME**  
COLUMBIA COMM. CHURCH PROP.

PLAT # OR L/P	BLOCK #	ZONE	TAX/ZONE MAP	ELEC. DIST	COMBIL TR.
1315/537	24	R-20	30	6TH	5065.01

**WATER CODE** G-07      **SEWER CODE** 5338600

**OWNER/DEVELOPER**  
COLUMBIA COMMUNITY CHURCH  
46 REVEREND ARNOLD ELLIOTT  
6204 BRIGHT PLUM  
COLUMBIA, MD 21044

**boender associates inc.**  
consulting engineers  
land surveyors  
land planners

COURTHOUSE SQUARE  
3585 ELLICOTT MILLS DRIVE  
ELLICOTT CITY, MD 21043  
(301) 485-7777

**TITLE** SITE DEVELOPMENT PLAN  
**PROJECT** COLUMBIA COMMUNITY CHURCH  
**LOCATION** TAX MAP 30 BLOCK 24 PARCEL 84  
6TH ELECTION DISTRICT HOWARD CO., MD.  
**SCALE** 1"=30'  
**DESIGNED BY** JTN  
**DRAWN BY** JTN  
**CHECKED BY** JTN  
**DATE** NOV 1986  
**FIELD BOOK** 67  
**PAGE NO.** 1 OF 3  
**JOB NO.** 81746  
**DRAWING NO.** 1 OF 3

- PERMANENT SEEDING 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. (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 stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and slopes greater than 3:1, b) 14 days for all other disturbed or graded areas on the project site.
  - All sediment traps/basins 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. 31) and (Sec. 34), temporary seedings (Sec. 30) and mulching (Sec. 32). 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.
  - Site Analysis:
 

Total Area of Site	3.4 Acres
Area Disturbed	2.0 Acres
Area to be seeded or paved	2.0 Acres
Area to be vegetatively stabilized	1.4 Acres
Total Cut	0.0 Yds
Total Fill	0.0 Yds
Offsite water/borrow area location	
  - 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 DPM sediment control inspector.
  - 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.

- TEMPORARY SEEDING NOTES**
- Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
- Seeded Preparation:** Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.
- Soil Amendments:** In lieu of soil test recommendations, use one of the following schedules:
- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 800 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Narrow 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 7 tons per acre dolomitic limestone (102 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (13 lbs/1000 sq ft) before seeding. Narrow or disc into upper three inches of soil.
- Seeding:** For 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 thru July 31, seed with 80 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.05 lbs/1000 sq ft) of wispig longgrass. During the period of October 15 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 mulch. 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 anchoring tool or 218 gal 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 anchoring.
- Maintenance:** Inspect all seeded areas and make needed repairs, replacements and reseedings.
- Apply to graded or cleared areas likely to be re-disturbed where a short-term vegetative cover is needed.**
- Seeded Preparation:** Loosen upper three 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 thru April 30 and from August 15 thru November 15, seed with 24 lbs/acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of wispig longgrass (0.07 lbs/1000 sq ft). For the period November 16 thru 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 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 anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet 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 CONTROL for rates and methods not covered.

**CONSTRUCTION SEQUENCE**

- OBTAIN BUILDING/GRADING PERMIT
- NOTIFY THE HOWARD COUNTY DEPARTMENT OF INSPECTION AND PERMITS AND THE CONSTRUCTION INSPECTION/SURVEYS DIVISION AT LEAST 24 HOURS PRIOR TO BEGINNING CONSTRUCTION
- INSTALL TEMPORARY SEDIMENT CONTROL MEASURES (S.C.E., S.P., E.D., TEMP. C.W.M. & SEDIMENT TRAP) - 3 DAYS
- INSTALL UTILITIES (SEPTIC AND STORM DRAINS) TO MH PROVIDE STUB OUT OF MH AND PUGS BLOCK INLET - 3 DAYS
- FOUR GRATE SITE STABILIZE AREAS TO BE GRAVED WITH BAGE COARSE. APPLY TEMPORARY STABILIZATION MEASURES - 3 DAYS
- CONSTRUCT BUILDING - 45 DAYS
- PAVE PARKING LOT ONE GRADE APPLY PERMANENT STABILIZATION - 3 DAYS
- WITH APPROVAL OF SEDIMENT INSPECTOR, REMOVE SEDIMENT TRAP BY:
  - PUMP STANDING WATER ONTO STABILIZED OUTFALL.
  - REMOVE SEDIMENT TO SITE WITH AN APPROVED SEDIMENT CONTROL PLAN
  - REMOVE PERFORATED PIPE DEWATERING DEVICE AND REPAIR BERM.
  - GRADE POND TO DESIGN SPECS.
  - INSTALL STORM DRAIN FROM M-1 TO S-1. UNBLOCK INLET
  - APPLY PERMANENT STABILIZATION - 7 DAYS
- WITH APPROVAL OF SEDIMENT INSPECTOR REMOVE TEMPORARY SEDIMENT CONTROL MEASURES.

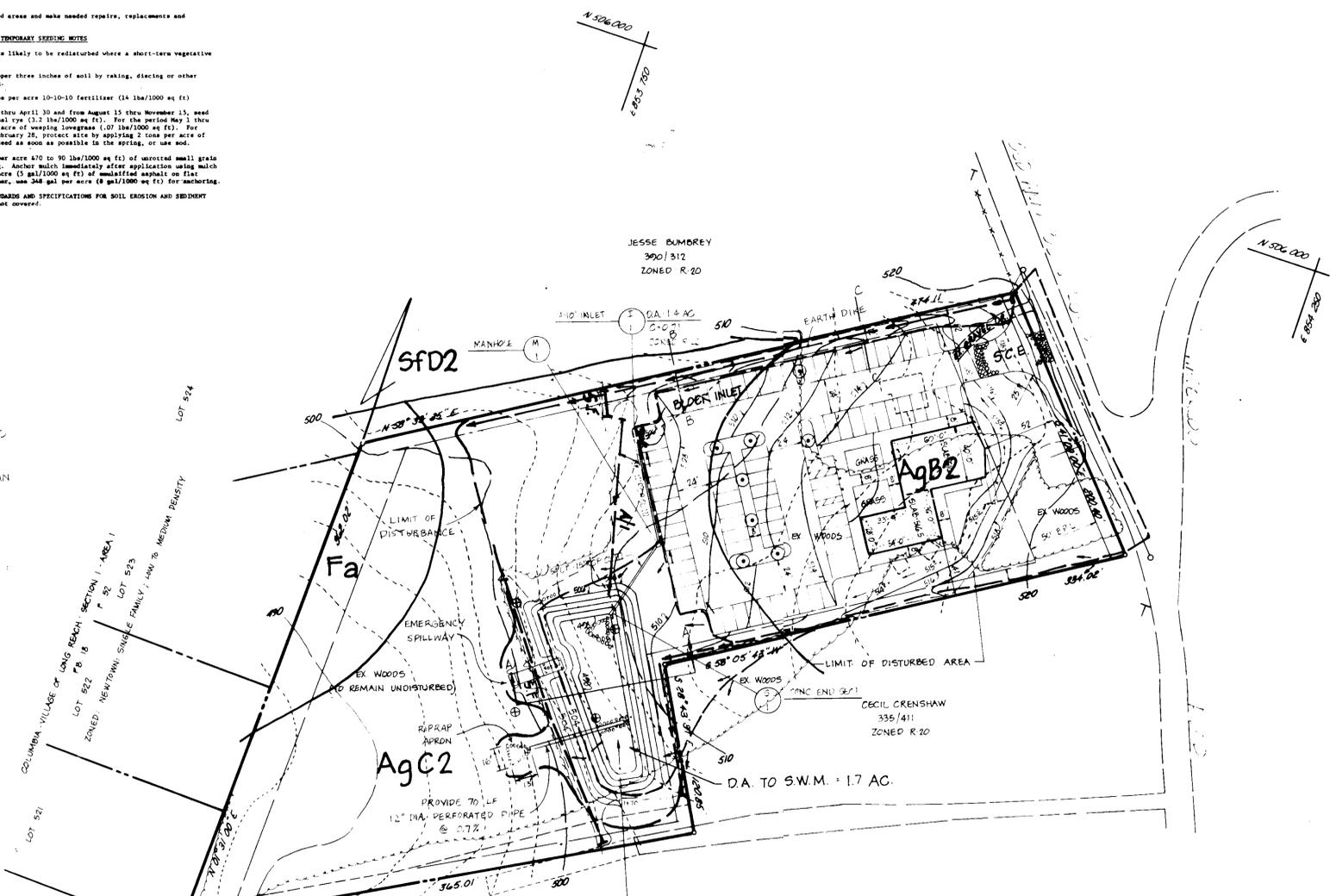
**GENERAL NOTES**

- TAX MAP 30 BLOCK 24 PARCEL 84 DEED REFERENCE
- EX ZONING R-20
- SUBJECT TO B.A. CASE # 85-08
- AREA OF PARCEL 3.4126 AC
- PROPOSED SITE USE CHURCH
- ANY DAMAGE TO THE COUNTY OWNED RIGHT OF WAYS SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE
- ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS
- CONTRACTOR TO NOTIFY MISS UTILITY AT 1-959-0100 AT LEAST FIVE DAYS PRIOR TO BEGINNING CONSTRUCTION
- OLD ANNAPOLIS ROAD IS AN EXISTING, PUBLIC ROAD
- PARKING TABULATIONS:
 

REG'D:	1 SPACE PER 3 SEATS
SEATING CAPACITY:	250 (MAXIMUM) - 5 * 83.5 SPACES PROVIDED
84 SPACES (INCLUDING 4 HANDICAPPED)	
- AREA OF PARKING LOT 27,186 SQ FT
- 5% LANDSCAPED ISLANDS REG'D: 1360 SQ FT
- LANDSCAPED ISLANDS PROV'D: 1780 SQ FT OR 6.5%
- BUILDING COVERAGE:
 

4,157.86 SQ. FT. OR 2.8 %
---------------------------
- AREA OF OPEN SPACE:
 

ALL PARKING LOT RADII ARE 5' EXCEPT AS SHOWN
--



NOTE: TREES TO BE REMOVED ONLY WHEN NECESSARY FOR CONSTRUCTION

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

*[Signature]* 11-10-86  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

*[Signature]* 11-12-86  
PLANNING DIRECTOR DATE

*[Signature]* 11-2-86  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

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

*[Signature]* 11-6-86  
DIRECTOR DATE

*[Signature]* 11-6-86  
CHIEF, BUREAU OF ENGINEERING DATE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE DATE

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

SOIL CONSERVATION DISTRICT DATE

APPROVED  
DIVISION OF LAND DEVELOPMENT  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 7-11-86  
*[Signature]*

**DEVELOPER'S CERTIFICATE**

I 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 AND THIS CERTIFICATE OF ATTENDANCE AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT ON THEIR AUTHORIZED SCHEDULES, AS ARE DEEMED NECESSARY.

DEVELOPER *[Signature]* DATE 2/5/86

**ENGINEER'S CERTIFICATE**

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL 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 DISTRICT.

ENGINEER *[Signature]* DATE 10-30-86

HILARIA F COOPER  
552/760  
ZONED R-20

TITLE SEDIMENT CONTROL AND D.A. MAP

PROJECT COLUMBIA COMMUNITY CHURCH

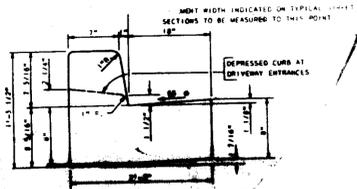
LOCATION 67th ELECTION DISTRICT NOVAAP? CO. MD

SCALE 1"=50' DESIGNED BY JTN DRAWN BY JTN CHECKED BY DATE NOV, 1986

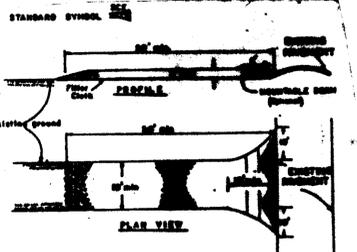
FIELD BOOK PAGE NO JOB NO 84246 DRAWING NO 2 OF 3

**boender associates inc.**  
consulting engineers  
land surveyors  
land planners

COURTHOUSE SQUARE  
3585 ELLICOTT MILLS DRIVE  
ELLICOTT CITY, MD 21043  
3011 485 7777



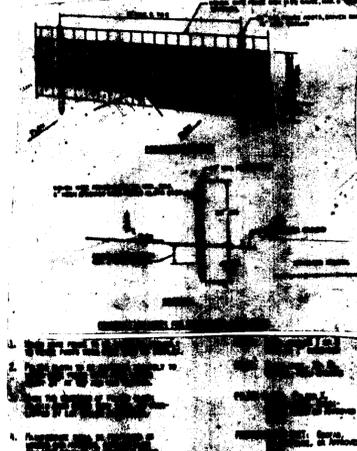
**STD. CONC. CURB AND GUTTER**  
NO. CO. STD. R-501 NOT TO SCALE



**STD. BITUMINOUS CURB**  
NO. CO. STD. R-505 NOT TO SCALE

1. **Plan View** - The 2' plan view, or standard of vertical concrete curb, shall be as shown, but not less than 18" high on a slope not less than 1:25. The curb shall be finished with a smooth top surface. The curb shall be finished with a smooth top surface. The curb shall be finished with a smooth top surface.

**STABILIZED CONSTRUCTION ENTRANCE**  
S.C.S. MAN. PG. 14-01 NOT TO SCALE



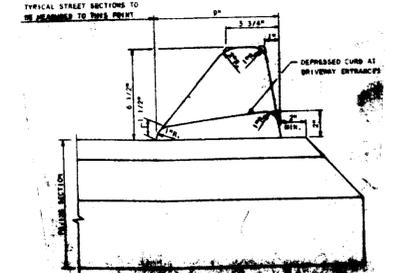
**SILT FENCE**  
S.C.S. MAN. PG. 12-01 NOT TO SCALE



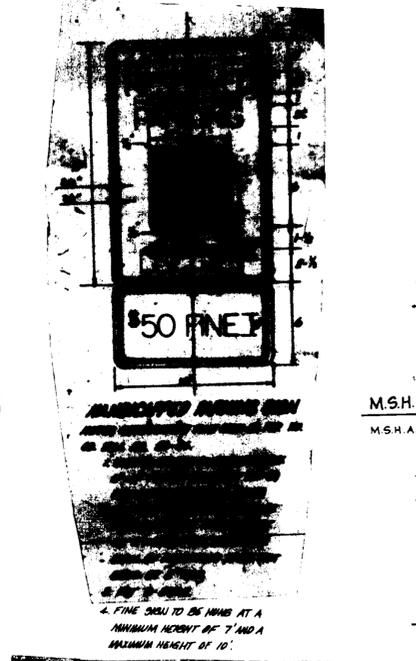
**ONSITE PAVING SECTION - P-1**  
NO. CO. STD. R-2-01 NOT TO SCALE

**DEVELOPER'S CERTIFICATE**  
I CERTIFY THAT ALL CONSTRUCTION AND SEDIMENT CONTROL MEASURES SHOWN ON THIS PLAN OF DEVELOPMENT AND WORKABLE PLAN ARE IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

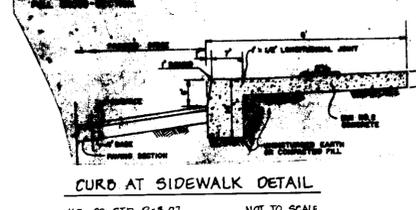
**ENGINEER'S CERTIFICATE**  
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.



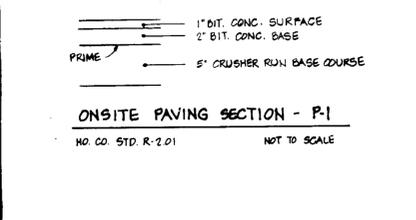
**CURB AT SIDEWALK DETAIL**  
NO. CO. STD. R-5-01 NOT TO SCALE



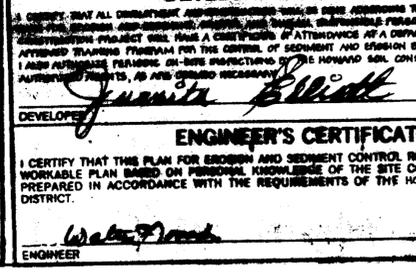
**EARTH DIKE**  
S.C.S. MAN. PG. 10-01 NOT TO SCALE



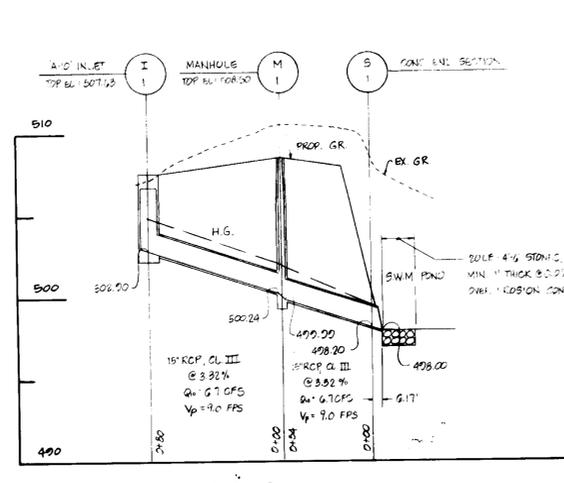
**VEGETATED SWALE**  
NO. SCALE



**HANDICAPPED PARKING**  
SCALE: 1" = 10'



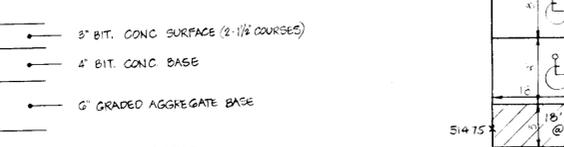
**PROFILE OF DAM**  
SCALE: HORIZ. 1" = 50' VERT. 1" = 5'



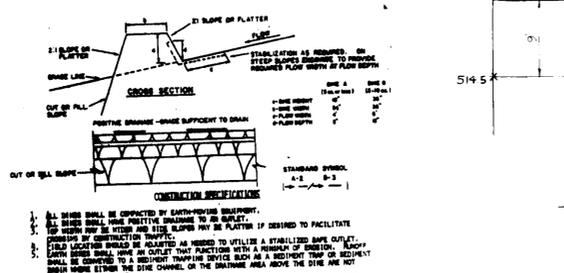
**PROFILE**  
SCALE: HORIZ. 1" = 60' VERT. 1" = 5'



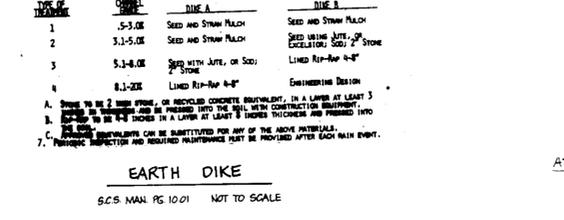
**M.S.H.A. TYPE 'A' CURB AND GUTTER**  
M.S.H.A. STD. MD. G-20-02 NOT TO SCALE



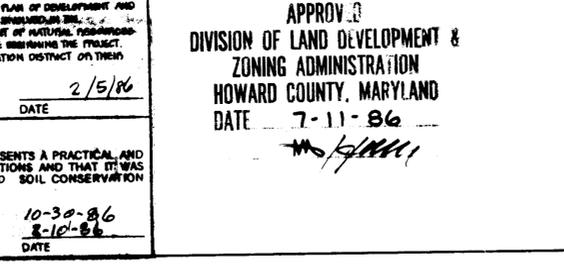
**M.S.H.A. PAVING SECTION**  
NOT TO SCALE



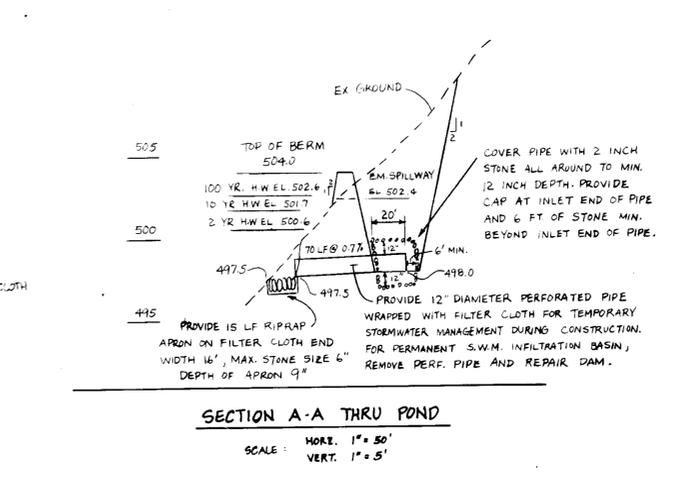
**VEGETATED SWALE**  
NO. SCALE



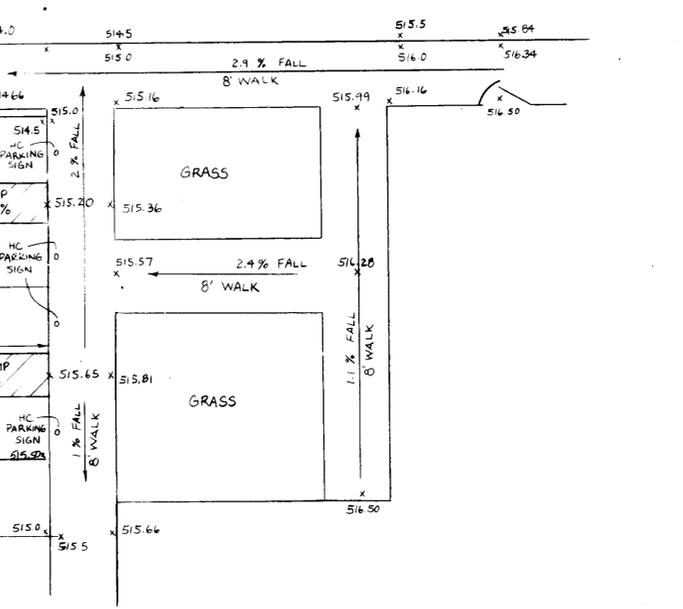
**EARTH DIKE**  
S.C.S. MAN. PG. 10-01 NOT TO SCALE



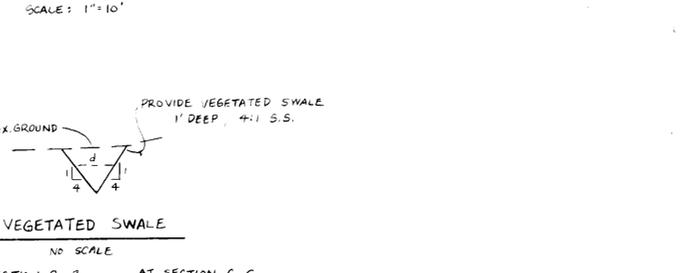
**VEGETATED SWALE**  
NO. SCALE



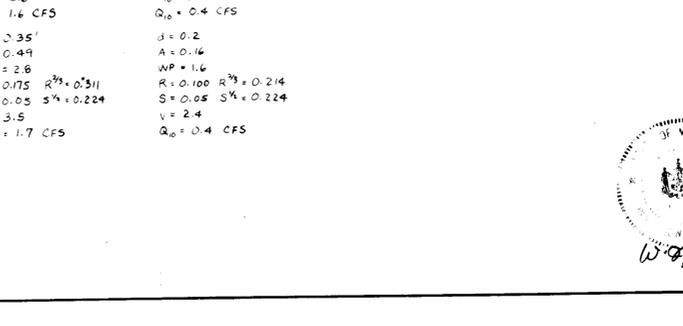
**SECTION A-A THRU POND**  
SCALE: HORIZ. 1" = 50' VERT. 1" = 5'



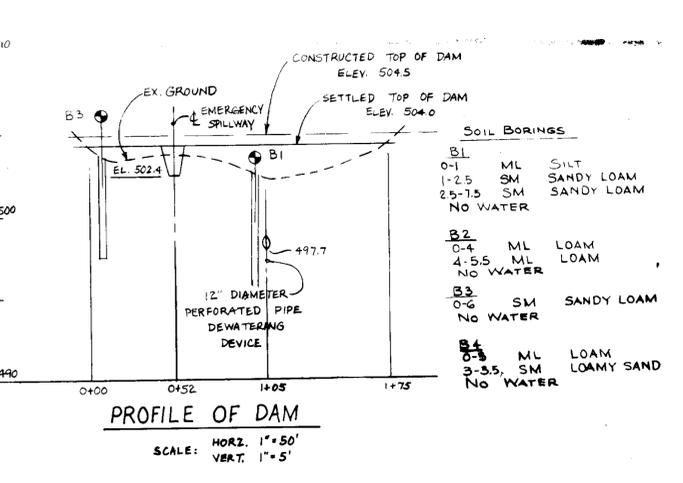
**HANDICAPPED PARKING**  
SCALE: 1" = 10'



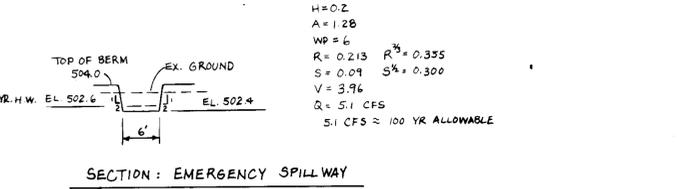
**VEGETATED SWALE**  
NO. SCALE



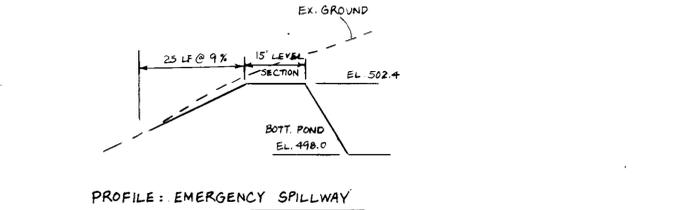
**PROFILE OF DAM**  
SCALE: HORIZ. 1" = 50' VERT. 1" = 5'



**PROFILE OF DAM**  
SCALE: HORIZ. 1" = 50' VERT. 1" = 5'



**SECTION: EMERGENCY SPILLWAY**



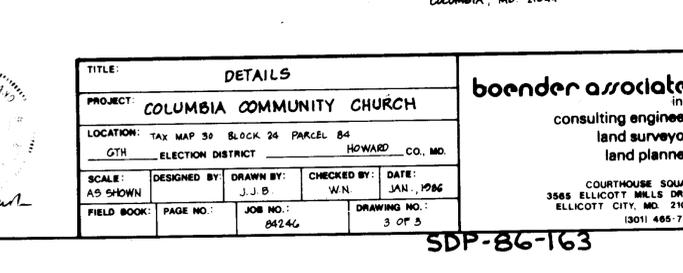
**PROFILE: EMERGENCY SPILLWAY**



**VEGETATED SWALE**  
NO. SCALE



**EARTH DIKE**  
S.C.S. MAN. PG. 10-01 NOT TO SCALE



**VEGETATED SWALE**  
NO. SCALE

TITLE: DETAILS			
PROJECT: COLUMBIA COMMUNITY CHURCH			
LOCATION: TAX MAP 39 BLOCK 24 PARCEL 84 HOWARD CO. MD.			
GTH ELECTION DISTRICT			
SCALE: AS SHOWN	DESIGNED BY: J.J.B.	DRAWN BY: W.N.	CHECKED BY: DATE: JAN. 1986
FIELD BOOK:	PAGE NO.:	JOB NO.: 84246	DRAWING NO.: 3 OF 5

**OWNER & DEVELOPER**  
COLUMBIA COMMUNITY CHURCH  
46 REVEREND OSWALD ELLIOTT  
6204 BRIGHT PLUME  
COLUMBIA, MD. 21044

**boender associates inc.**  
consulting engineers  
land surveyors  
land planners  
COURTHOUSE SQUARE  
3585 ELLICOTT MILLS DRIVE  
ELLICOTT CITY, MD. 21043  
13011 465-7777

SDP-86-163