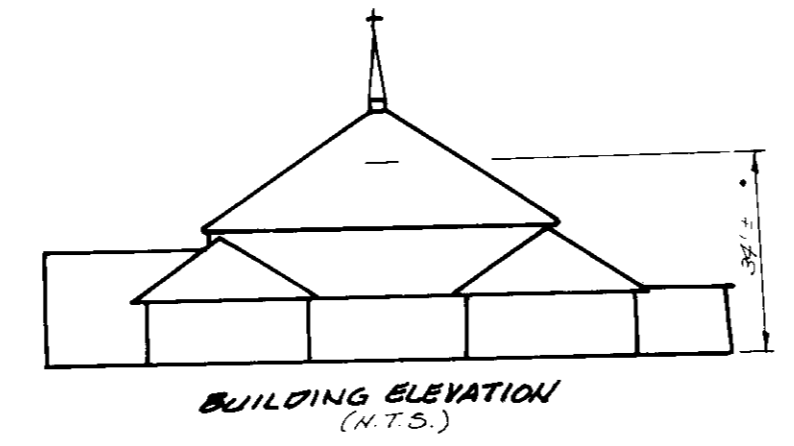
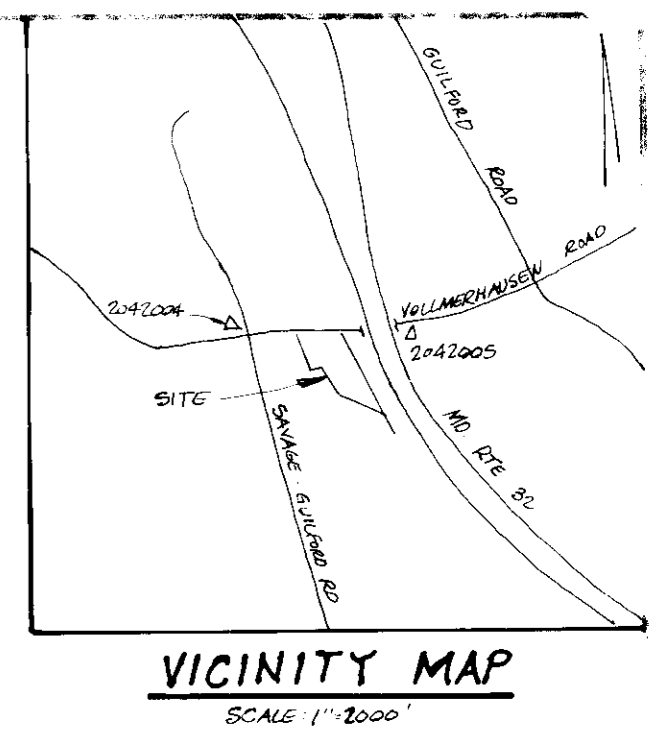
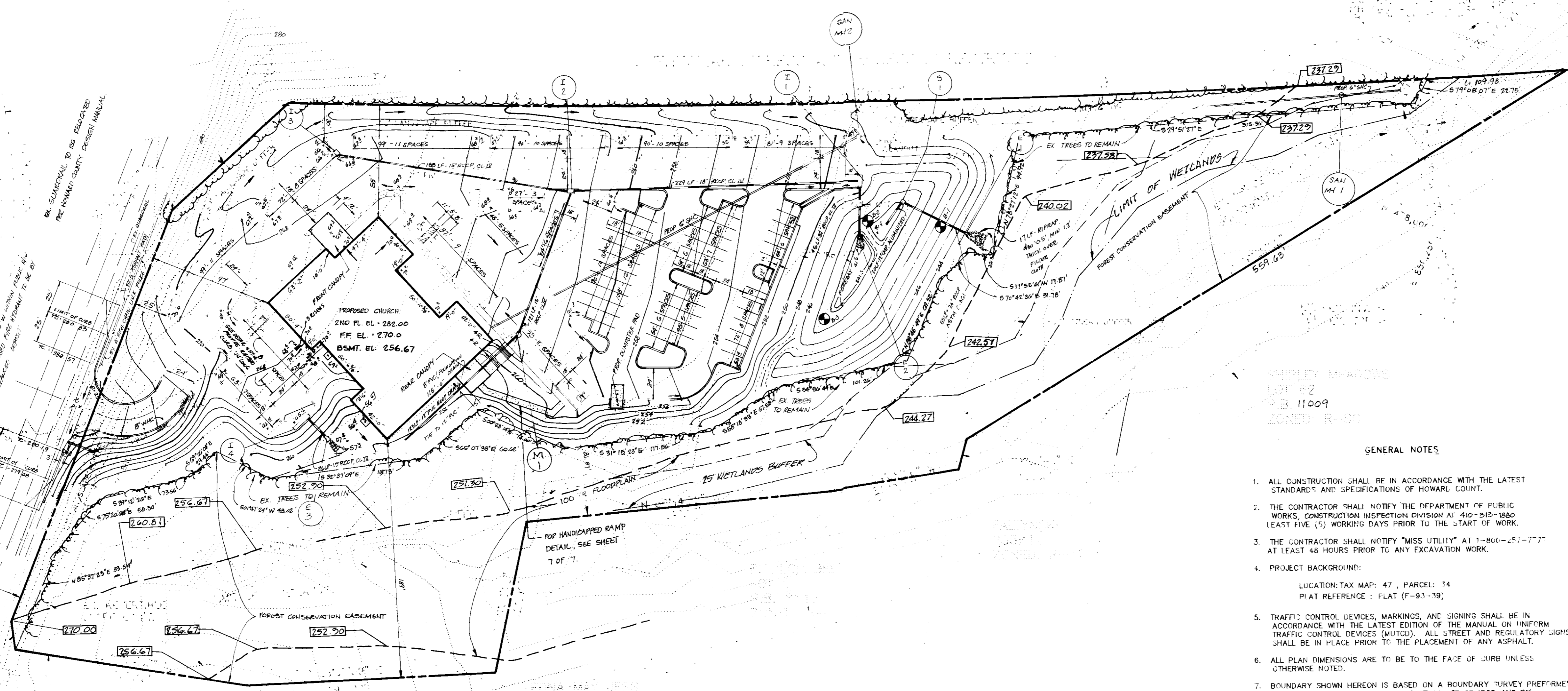


SHEET INDEX	
SHEET NO.	TITLE
1	SITE DEVELOPMENT PLAN
2	DRAINAGE AREA MAP AND LANDSCAPE PLAN
3	GRADING AND SEDIMENT CONTROL PLAN
4	SITE DETAILS
5	SWM DETAILS
6	PROFILES AND DETAILS
7	SEDIMENT CONTROL DETAILS



MARYLAND PUBLIC B.



NOTE:
NO SCHOOL USE IS PROPOSED FOR THIS BUILDING.

SITE ANALYSIS

- AREA OF PARCEL: 319,154 SQ. FT. OR 7.3 ACRES
- EXISTING ZONING: R-5C
- PROPOSED USE: RELIGIOUS FACILITY
- PROPOSED FLOOR AREA: SECOND FLOOR: 6129 SQ. FT.
FIRST FLOOR: 14,831 SQ. FT.
BASEMENT FLOOR: 11,662 SQ. FT.
FRONT CANOPY (UNENCLOSED): 625 SQ. FT.
REAR CANOPY (UNENCLOSED): 349 SQ. FT.
- PARKING REQUIREMENTS:
CHURCH - NO. OF SEATS - 500
REQUIRED - 1 SPACE PER 3 SEATS - 167 SPACES
PROVIDED - 167 SPACES

- BUILDING COVERAGE:
BUILDING: 14,831 SQ. FT.
FRONT CANOPY: 754 SQ. FT. (21'0" x 35'10" AND 3' x 21'0")
REAR CANOPY: 323 SQ. FT. (24'4" x 21'4")
TOTAL: 16,908 SQ. FT. OR 0.37 ACRES = 5.1% OF TOTAL SITE
- AREA OF PARKING LOT:
74,052 SQ. FT. (1.7 AC)
LANDSCAPED ISLANDS REQUIRED:
3703 SQ. FT. (5%)
LANDSCAPED ISLANDS PROVIDED:
8,270 SQ. FT. (11%)
TOTAL OPEN SPACE AREA PROVIDED:
0.25 AC (7.1% OF TOTAL SITE)
TOTAL AREA PAVED:
2.05 ACRES

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS, CONSTRUCTION INSPECTION DIVISION AT 402-515-1880, AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- PROJECT BACKGROUND:
LOCATION: TAX MAP: 47, PARCEL: 34
PLAT REFERENCE: PLAT (F-91-79)
- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- ALL PLAN DIMENSIONS ARE TO BE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- BOUNDARY SHOWN HEREON IS BASED ON A BOUNDARY SURVEY PERFORMED BY BOENDER ASSOCIATES, INC. ON OR ABOUT AUGUST 27, 1987 AND BY C.L.B. ASSOCIATES, INC. ON OR ABOUT JANUARY 3, 1989.
- HORIZONTAL AND VERTICAL DATUM BASED ON HOWARD CO. MAINUMETERS 204224 AND 204245.
- WATER AND SEWER TO BE PUBLIC:
WATER CONTR. NO.: 275-W
SEWER CONTR. NO.: 24-3238-D
- STORMWATER MANAGEMENT FACILITY TO BE AN EXTENDED DETENTION FACILITY.
- STORMWATER MANAGEMENT FACILITY WILL BE PRIVATELY OWNED AND MAINTAINED.
- EXISTING UTILITIES ARE BASED ON FIELD LOCATION AND COUNTY AS-BUILT.
- GRADING, CONSTRUCTION AND THE REMOVAL OF VEGETATION ARE PROHIBITED WITHIN THE WETLAND AND STREAMBANK BUFFERS EXCEPT AS AUTHORIZED BY THE DEPARTMENT OF PLANNING AND ZONING.
- 100 YEAR FLOODPLAIN SHOWN HEREON IS BASED ON APPROVED FLOODPLAIN STUDY UNDER F-93-91.
- SUBJECT TO THE FOLLOWING 4. CONDITIONS OF BA 92-51-E DECISION AND ORDER:
1. PETITIONER SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND COUNTY LAWS AND REGULATIONS.
2. PETITIONER SHALL COMPLY WITH THE REQUIREMENTS OF THE DEPARTMENT OF PUBLIC WORKS REGARDING SUBMISSION OF A SIGHT DISTANCE EXHIBIT AT THE SITE DEVELOPMENT PLAN STAGE.
3. THE EXISTING TREES SHALL BE RETAINED ALONG THE SOUTHERN AND WESTERN LOT LINES AND A LANDSCAPED BUFFER OF EVERGREEN TREES AND SHADE TREES SHALL BE PLANTED ALONG THE EASTERN LOT LINES AS INDICATED ON THE SPECIAL EXCEPTION PLAN.
4. PETITIONER SHALL COMPLY WITH TESTIMONY PRESENTED AND CONSTRUCT THE EXTERIOR OF THE PROPOSED STRUCTURE OF BRICK AND BLOCK WITH COLORED METAL ROOF.

Joyce M. Boyd *[Signature]* 12/29/93
 Gina Jaramana 12/30/93
 12/30/93
 James J. Lane 2/27/93
 1/12/97

ADDRESS CHART
LOT NUMBER STREET ADDRESS
G3 9025 Vollmerhausen Rd.

SUBDIVISION NAME: SHIPLEY MEADOWS - LOT 63	SECTION/AREA: BLOCK NO.: 5 ZONE: R-5C	PARCEL NO.: LOT 63
PLAT NO. OR L/P: 1100 E11009	TAX/ZONE MAP: ELECT. DIST.: 8 TH	CENSUS TRACT: 6869.02
WATER CODE: C01	SEWER CODE: 4280000	

OWNER
BETHEL ASSEMBLY OF GOD
C/O BY 416
SAVAUE, MD 20663
Phone: (301) 938-3222

SITE DEVELOPMENT PLAN
BETHEL ASSEMBLY OF GOD
 674 ...
 JJB
 SEPT 1993
 1 of 7

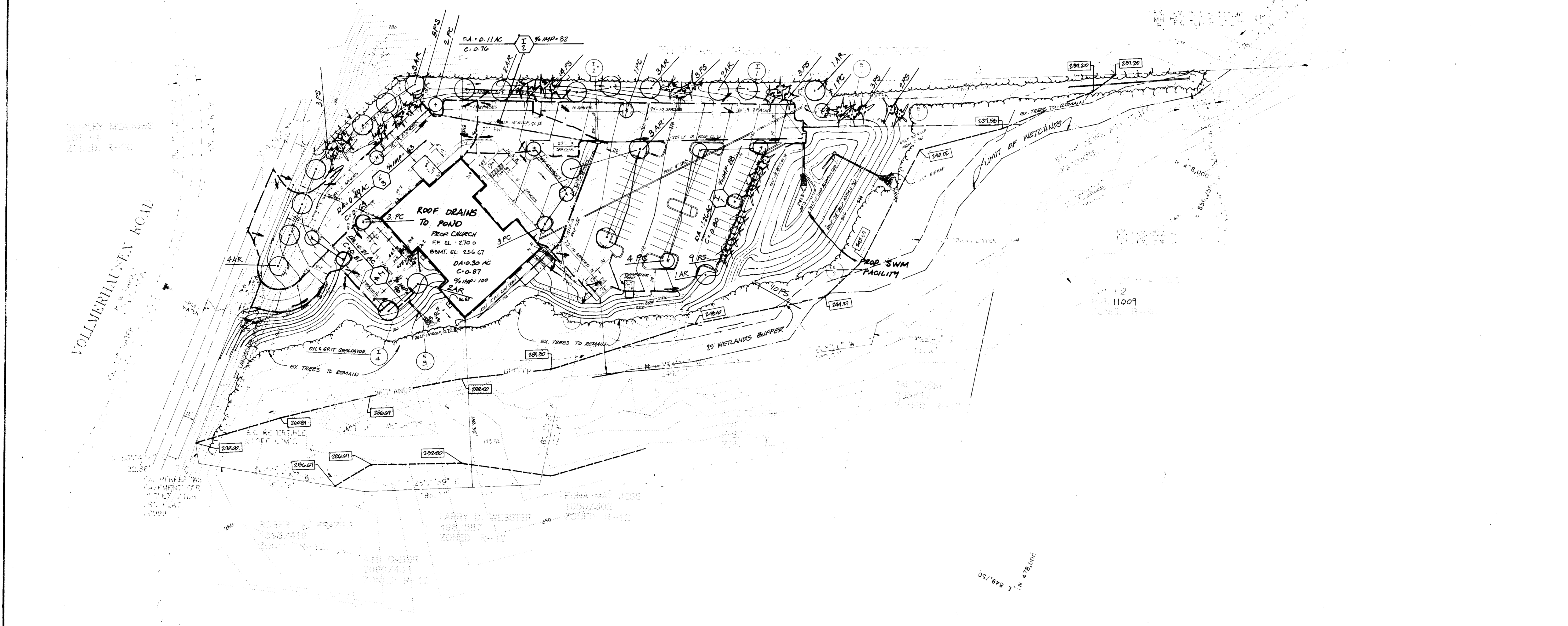
Boender Associates
 12/29/93
 SDP94-13

LANDSCAPE SCHEDULE *

SYMBOL	BOTANICAL NAME	COMMON NAME	QUANTITY	REMARKS
AR	ACER RUBRUM 'AUTUMN FLAME'	AUTUMN FLAME RED MAPLE	21	8'-10' HEIGHT, 6" E.B.
PC	PIRUS CALLERYANA 'REDSPIRE'	REDSPIRE PEAR	14	6'-8' HEIGHT, 6" E.B.
PS	PINUS STROBUS	EASTERN WHITE PINE	32	4'-6' HEIGHT, 6" E.B.

* The proposed landscaping is in accordance with the Second Edition of the Subdivision & Land Development Regulations (no bond or/required) AND THE DECISION AND ORDER FOR BA 92-516

MARYLAND ROUTE 3



APPLICABLE TO ALL WATER AND SEWER TREATMENT PLANTS IN MARYLAND TO BE USED FOR TREATMENT OF WASTEWATER.

James M. Boydland 12/29/93

Gina Strummark 12/30/93

James M. Boydland 12/29/93

James M. Boydland 12/29/93

Handwritten signature

OWNER
 BETHEL ASSEMBLY OF GOD, SAVAGE, MD
 P.O. BOX 416
 SAVAGE, MD 20763
 Phone: (410) 498-3344

DRAINAGE AREA MAP & LANDSCAPE PLAN

BETHEL ASSEMBLY OF GOD

6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE: DISTRICT BOUNDARIES AS SHOWN ON MAP
 DATE: JUNE 1993
 DRAWING NO: 20F7

Boender Associates

ENGINEERS & LANDSCAPE ARCHITECTS
 3250 RETRIEVAL LANE
 ELLENDSVILLE, MD 21724
 (410) 465-1777 FAX: (410) 465-1966

E 850,250 IN 479,000

MARYLAND ROUTE 32

NOTE:
CONTRACTOR TO REPAIR SWALE (PDS A-2)
IMMEDIATELY UPON INSTALLATION OF
PROPOSED SEWER IN VICINITY OF SWALE

BLOCK LOW FLOW ORIFICE,
INSTALL DEWATERING DEVICE
AND USE SWM POND AS
SEDIMENT BASIN DURING
CONSTRUCTION

VEHICULAR INGRESS AND EGRESS IS RESTRICTED

LIMIT OF DISTURBANCE

EX. MH B
EX. INV. = 221.96
EX. TOP = 232.00

CONTR. NO. HO-292-073-771
EX. 10" S

CONSTRUCTION SEQUENCE

1. OBTAIN GRADING PERMIT
2. INSTALL S.C.E. AND WETLANDS/ TREE PROTECTION FENCE
3. INSTALL SILT FENCE, PDS, EARTH DIKE, TRAPS 1 AND 2, BLOCK LOW FLOW ORIFICES AT TRAP NO. 2
4. ROUGH GRADE SITE, APPLY TEMPORARY STABILIZATION
5. INSTALL UTILITIES, PROVIDE INLET PROTECTION @ I-4
6. AFTER AREA DRAINING TO TRAP NO. 1 IS STABILIZED, GRADE AREA OF TRAP IN ACCORDANCE WITH GRADINGS SHOWN ON SHEET 1 OF 7
7. INSTALL CURB AND GUTTER, CONSTRUCT BUILDINGS
8. PAVE PARKING LOT
9. FINE GRADE, APPLY PERMANENT STABILIZATION
10. CONVERT TRAP 2 INTO SWM POND BY:
 - a) RAMP STABILIZED WATER OUTDRAIN OUTFALL,
 - b) REMOVE SEDIMENT AND GRADE TO FINAL ELEVATIONS,
 - c) REMOVE BACKING, INSTALL 1/4" THICK STEEL ORIFICE PLATE AND LOW FLOW TRASH RACK,
 - d) APPLY PERMANENT STABILIZATION

NOTE:
GRADING, CONSTRUCTION AND THE REMOVAL OF VEGETATION ARE PROHIBITED
WITHIN THE WETLAND AND STREAM BANK BUFFERS EXCEPT AS AUTHORIZED
BY THE DEPARTMENT OF PLANNING AND ZONING.

SHIPLEY MEADOWS
LOT 64
ZONED: R-SC

VOLLMEYER ROAD
P.W. MAP # 1
P.L. 11, N.A.

SHIPLEY MEADOWS
LOT #2
P.B. 11009
ZONED: R-SC

FALYNSW
LOT #2
P.B. 1064
ZONED: R-12

ROBERT K. FRAZIER
1312 419
ZONED: R-12

LARRY D. WEBSTER
498/587
ZONED: R-12

EDNA MAY JESS
1050/302
ZONED: R-12

A.M. GABOR
2060/434
ZONED: R-12

TRAP NO. 1 - STONE OUTLET SEDIMENT TRAP
D.A. 15 AC
STORAGE PROVIDED: 2,700 CF
STORAGE PROVIDED: 2,916 CF @ ELEV. 253.0
SPILLWAY CRIST. EL. 254.0
BOTTOM EL. 249.0
BOTTOM SIZE: 199' x 3'
CLEANOUT ELEV. 251.0
SPILLWAY WIDTH: 6'

Approved: *R. Ziem* 12-15-93
Howard S.C.E.

Designed for: HOWARD S.C.E.
J. Engler 12-15-93
U.S. Soil Conservation Service

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
Joyce M. Boyd 12/29/93
HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
Jim Summery 12/30/93
DATE
Joyce M. Boyd 12/30/93
PLANNING DIRECTOR DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
David Smith 12/21/93
DATE
David Smith 12/21/93
CHIEF BUREAU OF ENGINEERING DATE

DEVELOPERS CERTIFICATE
I certify that all development and/or construction will be done according to these, and that any responsible personnel involved in the construction project will have a certificate of attendance of a of environment approved training program for the control of sediment and erosion before beginning the project. I will provide the Howard Soil Conservation District with an "AS-BUILT" plan of the pond within 30 days of completion. I also authorize periodic on-site inspection by the Howard Soil Conservation District.

Edward H. ... 11/10/93
Date

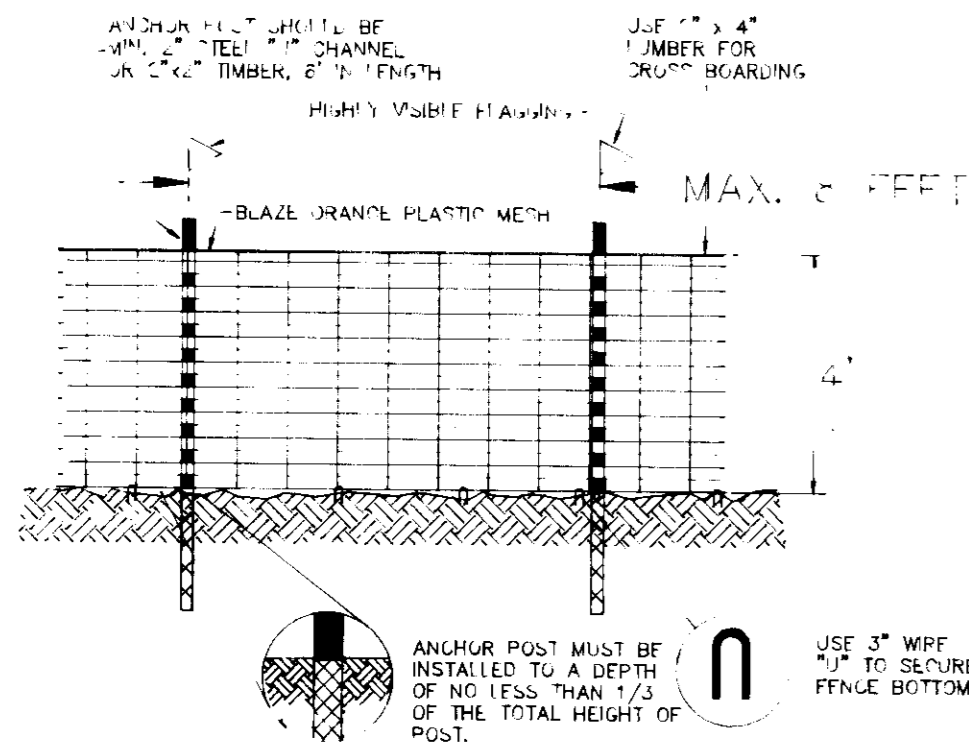
ENGINEER CERTIFICATE
I certify that this plan for erosion and sediment control represents a practical and workable plan based on personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he must provide the Howard Soil Conservation District with an "AS-BUILT" plan of the pond within 30 days of completion.

William J. ... 11/1/93
Date

OWNER
BETHEL ASSEMBLY OF GOD, SAVAGE, MD
P.O. BOX 416
SAVAGE, MD 20763
Phone: (410) 498-3344

TITLE: **GRADING & SEDIMENT CONTROL**
PROJECT: **BETHEL ASSEMBLY OF GOD**
LOCATION: **6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND**
SCALE: 1"=50'
DESIGNED BY: JUB
DRAWN BY: JCO
CHECKED BY: [DATE]
APRIL 1993
FIELD BOOK: [PAGE No.]
DATE: 91001
DRAWING No.: 3 OF 7

Boender Associates
ENGINEERS - PLANNERS - SURVEYORS
3230 BETHANY LANE
ELLICOTT CITY, MD. 21042
(410) 465-7777 FAX: (410) 465-7966

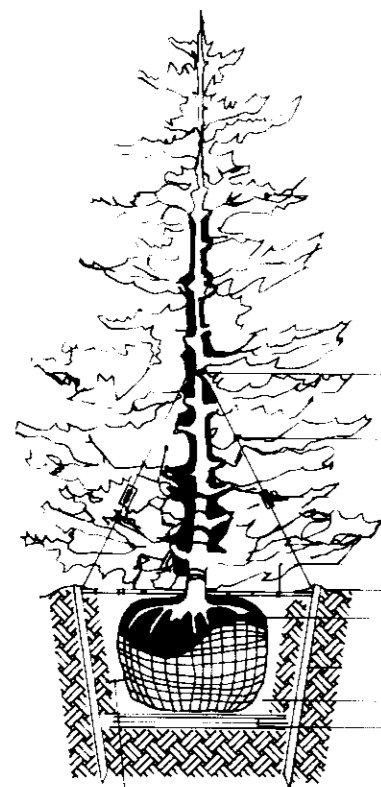


NOTES:

1. FOREST AND/OR WETLAND PROTECTION DEVICE ONLY
2. RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS
3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKE AND FLAGGED PRIOR TO INSTALLING DEVICE
4. ROOT DAMAGE SHOULD BE AVOIDED
5. PROTECTIVE SIGNALING MAY ALSO BE USED
6. DEVICE SHOULD BE MAINTAINED THROUGHOUT CONSTRUCTION

FOREST/WETLANDS AND PROTECTION FENCE

NOT TO SCALE



- PRIME AC DIRECTED RUBBER HOSE
- WIRE MESH
- TRIPBICKLES

NOTE: ALL MATERIAL AS SPECIFIED

- 2" x 12" x 12" PLANT SAUCER
- REMOVE BURLAP FROM TOP 2" OF BOWL
- 2" x 4" x 12" WOOD STAKES
- BALANCE MATERIAL
- COMPACTED BACKFILL MATERIAL, 6" MIN.
- 15" x 15" ALU. MESH

TYPICAL EVERGREEN TREE PLANTING DETAIL

NOT TO SCALE



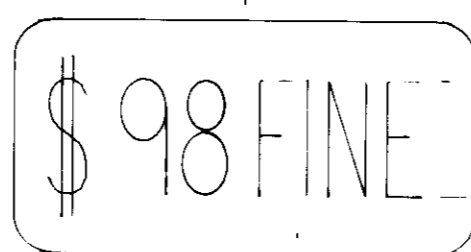
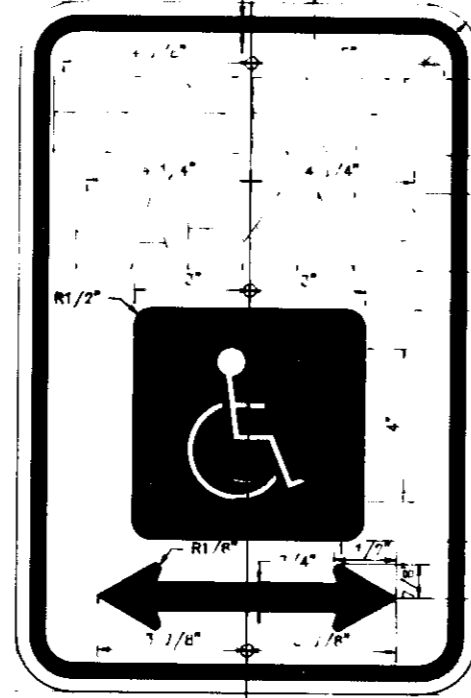
- PRIME AC DIRECTED RUBBER HOSE
- WIRE MESH
- TRIPBICKLES

NOTE: ALL MATERIAL AS SPECIFIED

- 2" x 12" x 12" PLANT SAUCER
- REMOVE BURLAP FROM TOP 2" OF BOWL
- 2" x 4" x 12" WOOD STAKES
- COMPACTED BACKFILL MATERIAL, 6" MIN.

TYPICAL DECIDUOUS TREE PLANTING DETAIL

NOT TO SCALE

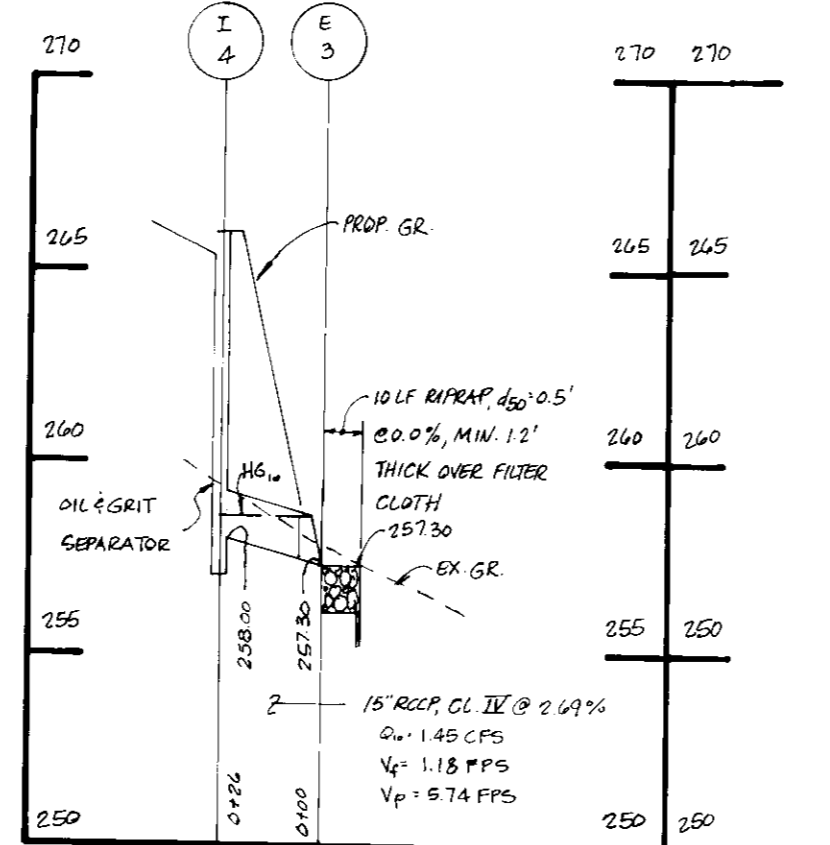


HANDICAPPED SIGN AND POST

NOT TO SCALE

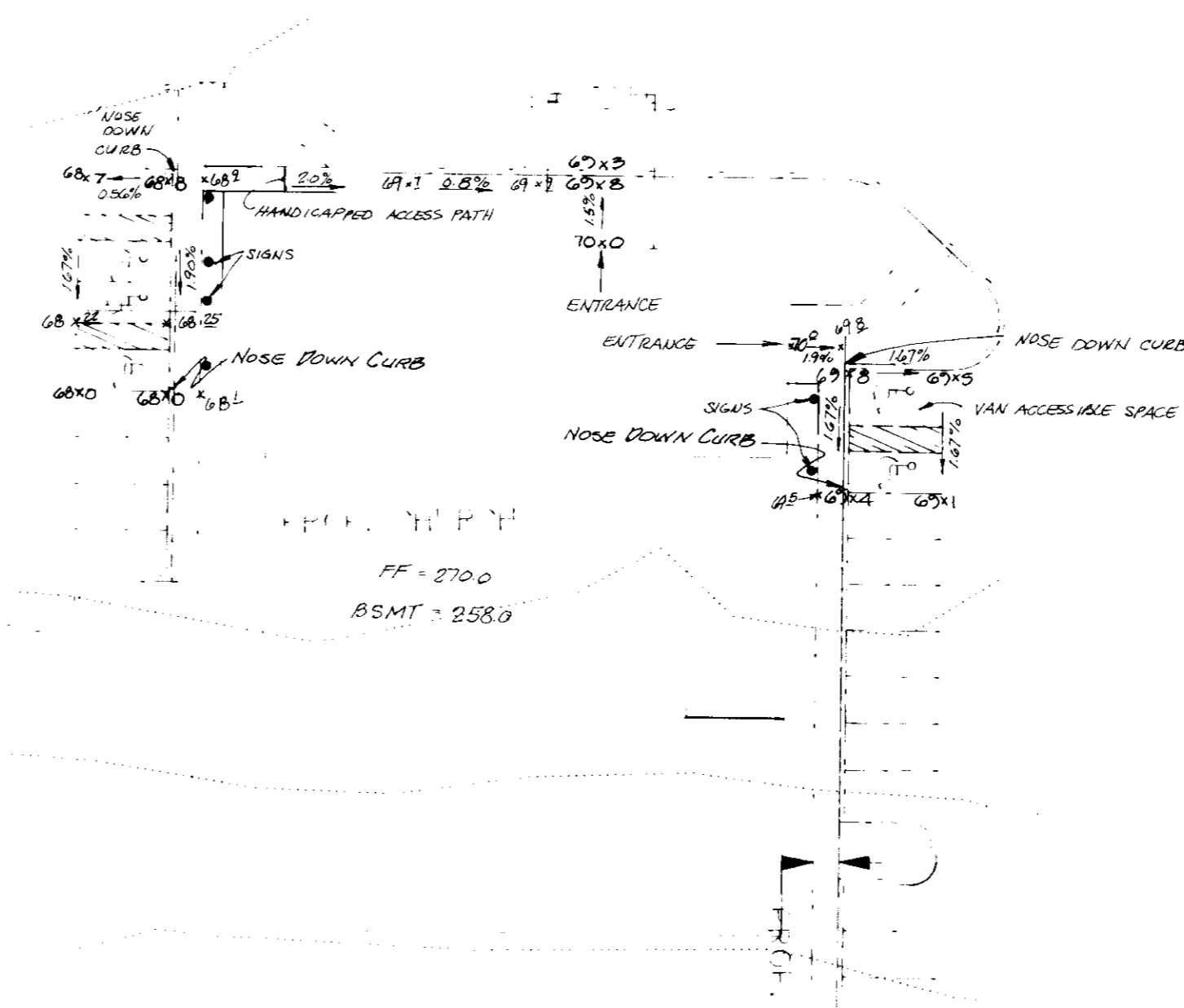
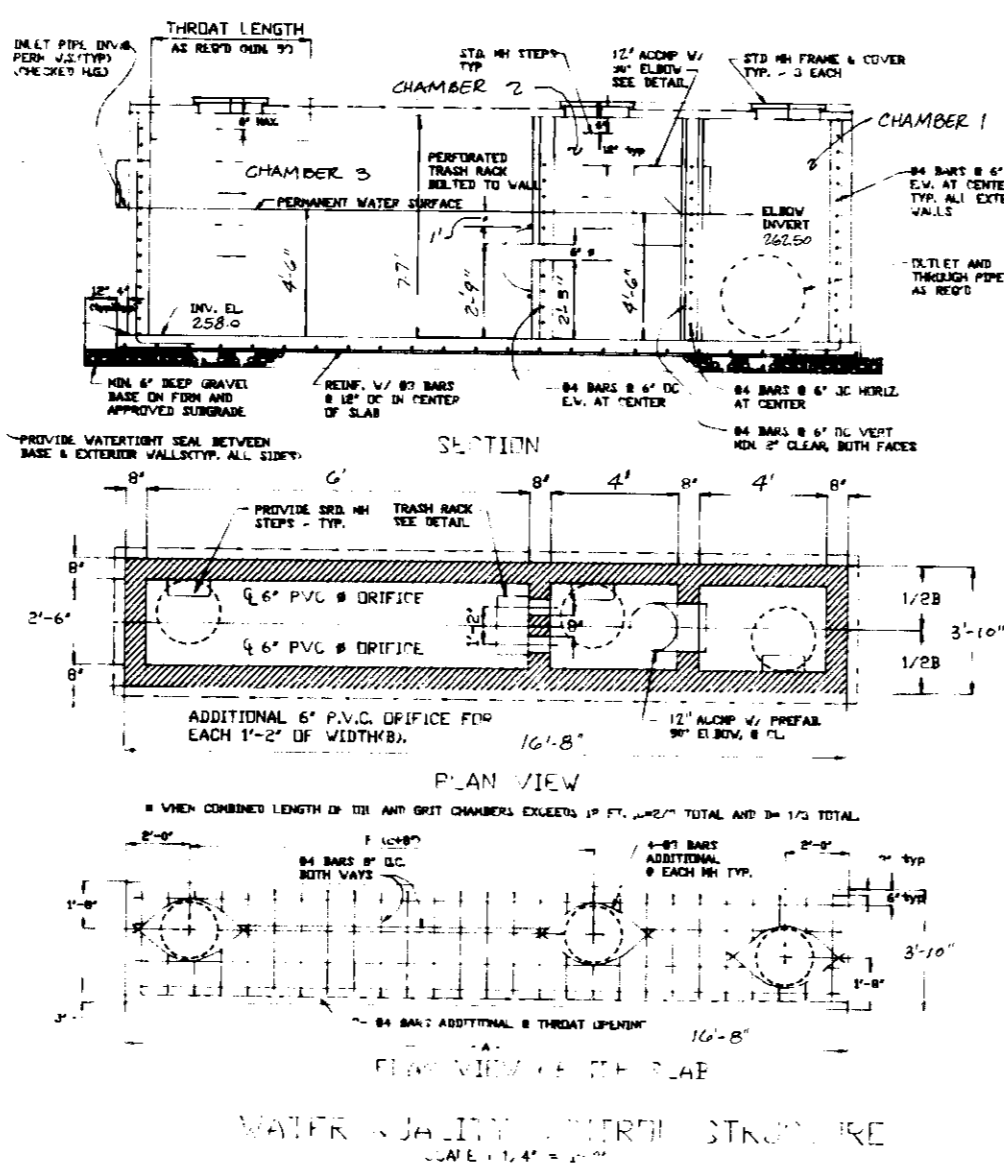
1. SIGN SHALL BE 18" x 18" x 1/4" ALUMINUM PLATE WITH 1/2" DIA. POST. SIGN SHALL BE MOUNTED TO THE POST WITH 1/4" DIA. BOLTS. SIGN SHALL BE MOUNTED TO THE POST WITH 1/4" DIA. BOLTS. SIGN SHALL BE MOUNTED TO THE POST WITH 1/4" DIA. BOLTS.

2. SIGN SHALL BE 18" x 18" x 1/4" ALUMINUM PLATE WITH 1/2" DIA. POST. SIGN SHALL BE MOUNTED TO THE POST WITH 1/4" DIA. BOLTS. SIGN SHALL BE MOUNTED TO THE POST WITH 1/4" DIA. BOLTS. SIGN SHALL BE MOUNTED TO THE POST WITH 1/4" DIA. BOLTS.



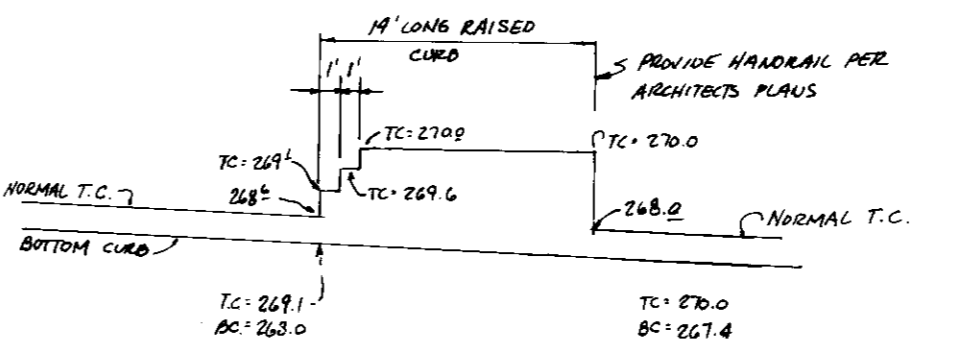
HYDRAULIC GRADIENT

CHAMBER	ELEVATION	GRADIENT
1	259.25	
2	245.15	
3	245.75	



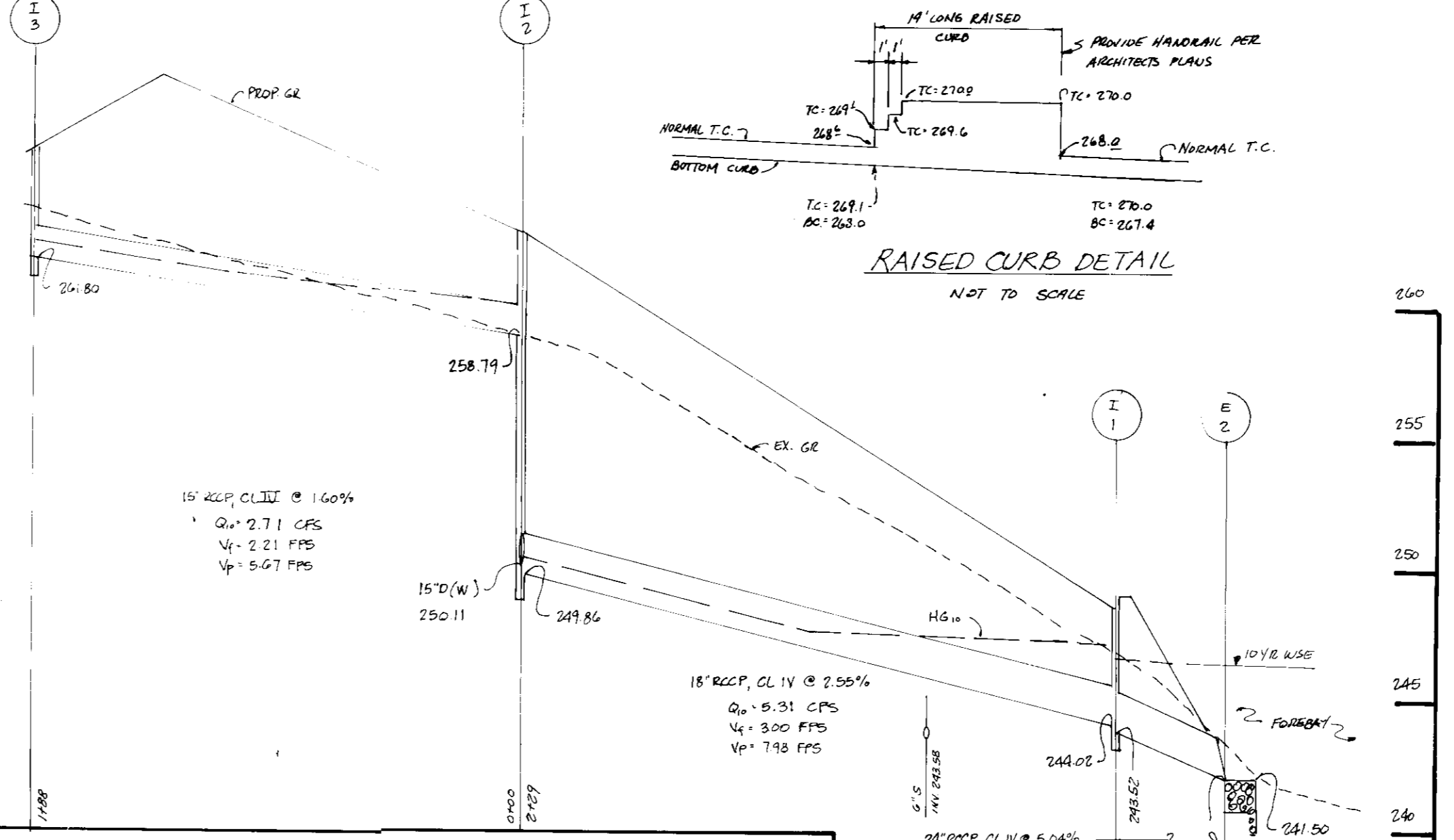
HANDICAPPED ACCESS DETAIL

SCALE: 1" = 20'



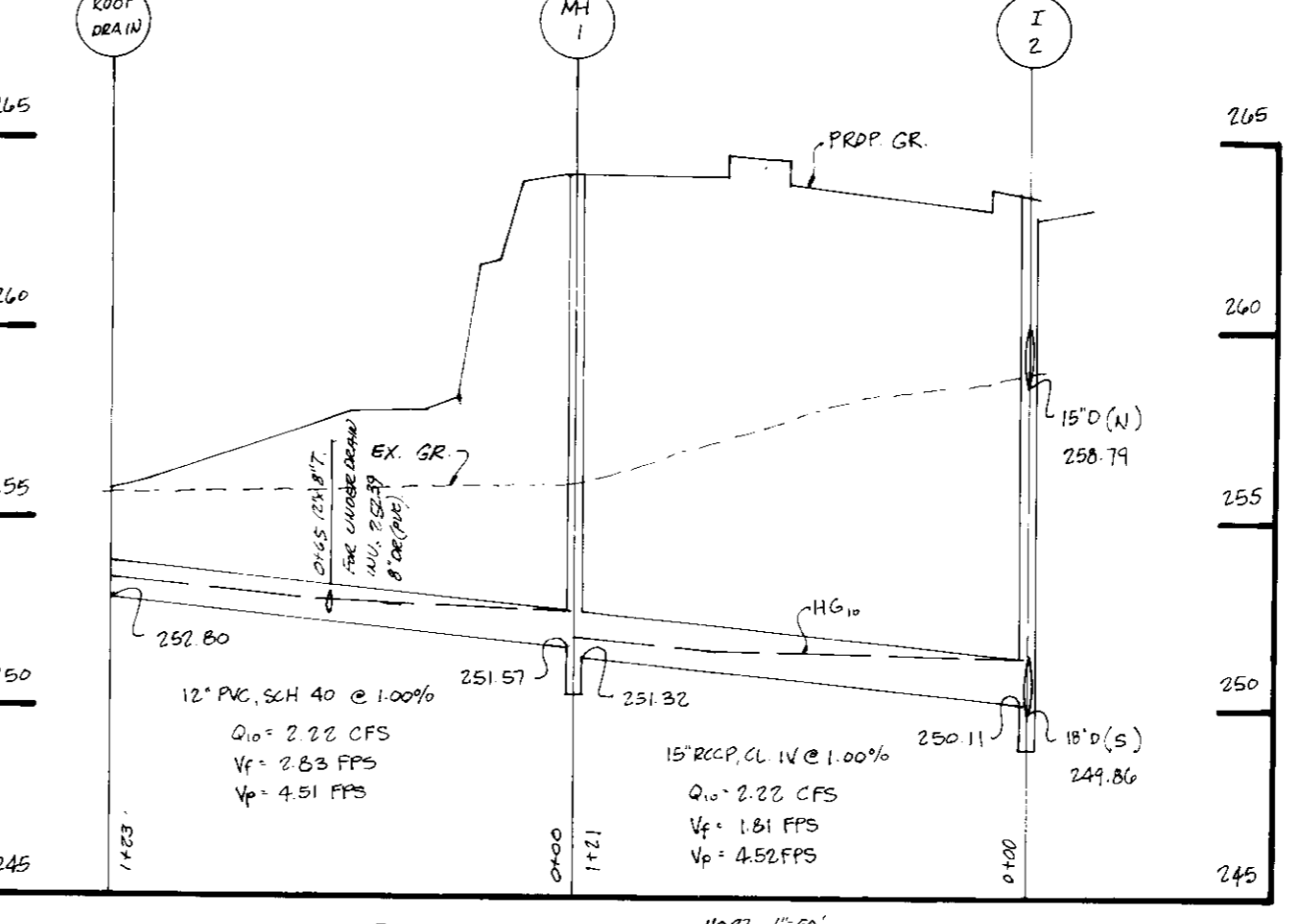
RAISED CURB DETAIL

NOT TO SCALE



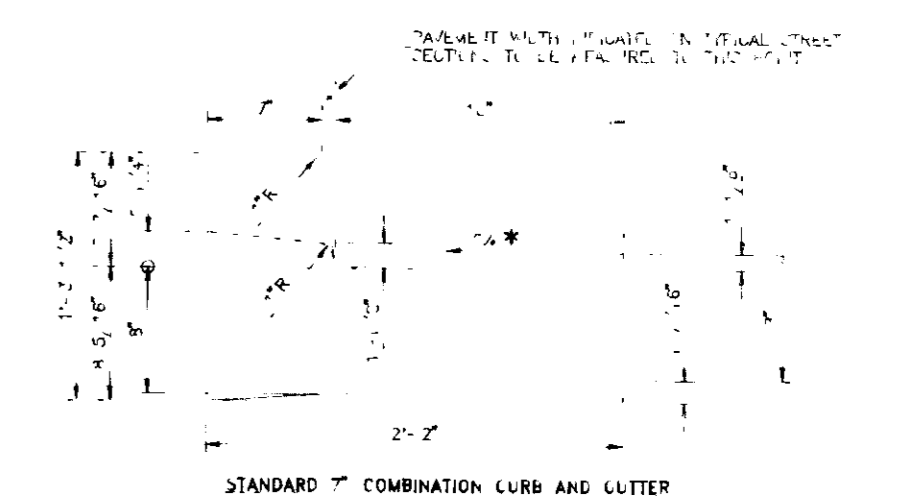
PROFILE

SCALE: HORIZ. 1" = 50' VERT. 1" = 5'



PROFILE

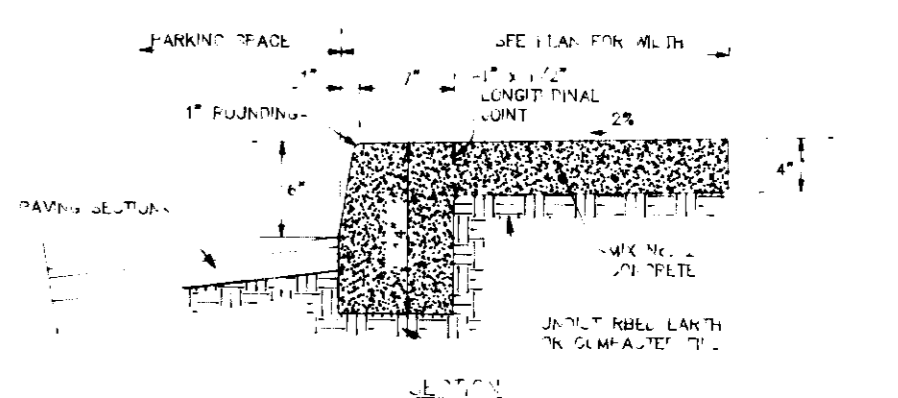
SCALE: HORIZ. 1" = 50' VERT. 1" = 5'



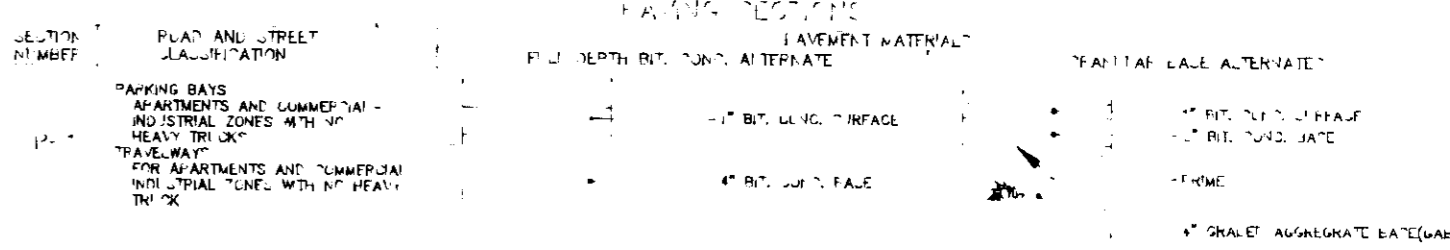
STANDARD 7' COMBINATION CURB AND GUTTER

* GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AND IN THE SAME DIRECTION AS THE PAVEMENT WHICH PAVEMENT CROSS SLOPE WHEN CURB IS LOCATED ON THE LOW SIDE OF SUPERELEVATED SECTION AND THE RATE OF SUPERELEVATION IS GREATER THAN 3% FOR MODIFIED CURB AND GUTTER.

HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS STANDARD 7' COMBINATION CURB AND GUTTER



NOTES: 1. CURB SHALL BE 7" HIGH AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS. CURB SHALL BE SLOPED AT THE SAME RATE AND IN THE SAME DIRECTION AS THE PAVEMENT WHICH PAVEMENT CROSS SLOPE WHEN CURB IS LOCATED ON THE LOW SIDE OF SUPERELEVATED SECTION AND THE RATE OF SUPERELEVATION IS GREATER THAN 3% FOR MODIFIED CURB AND GUTTER.



DUMPSTER SCREENING FENCE LOCATION

NOT TO SCALE

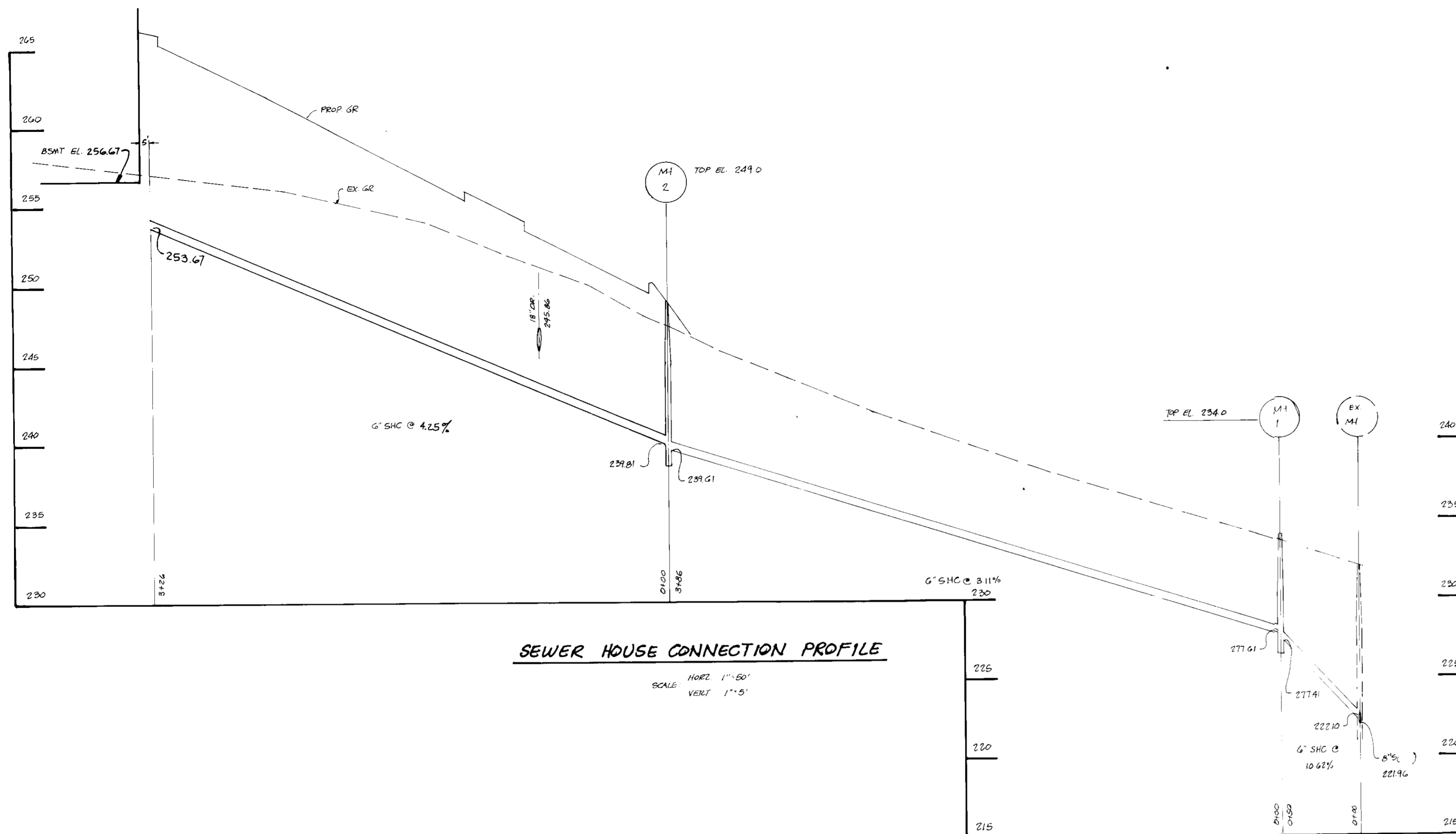
SITE DETAILS
BETHEL ASSEMBLY OF GOD
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 DESIGNER: BETHEL ASSEMBLY OF GOD
 AS SHOWN JOB DATE: JULY, 1993
 DRAWING NO. 91001 DATE: 4 OF 7
 14101 465-7777 FAX: (410) 465-7966

Boender Associates
 3330 BETHANY LANE
 BETHESDA, MARYLAND 20814
 (410) 465-7777 FAX: (410) 465-7966

APPROVED FOR SUBMITTAL AT THE REVIEW BOARD
 Joyce M. Boyd, PE, 12/29/93
 Gina Summery, 12/30/93
 James Smith, 12/30/93
 James J. Lee, 12/27/93
 Donald Smith, 12/27/93
 ACT 104

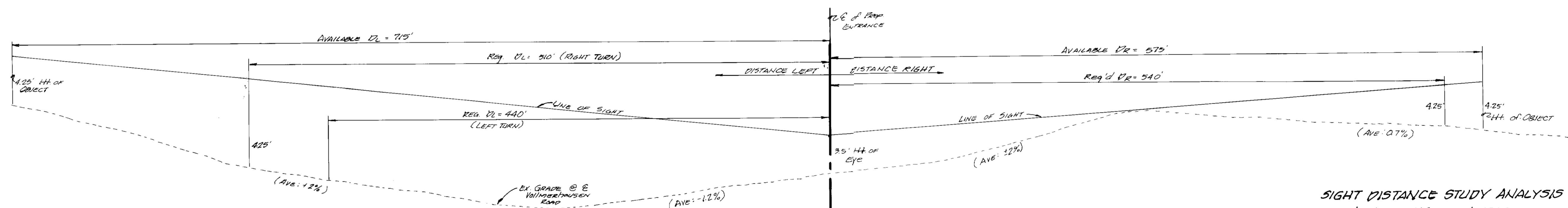
STRUCTURE SCHEDULE

STRUCTURE	TYPE	INV. IN	INV. OUT	TOP ELEV.	REMARKS
I-1	A-6 INLET	244.02	243.62	249.00	HO CO STD. SD-4-02
I-2	A-6 INLET W/ DETECTOR	238.78/250.11	249.86	243.50	HO CO STD. SD-4.01 & SD-4.03
I-3	A-6 INLET	---	261.80	266.80	HO CO STD. SD-4-01
I-4	A-6 INLET	---	258.20	266.20	COLL. BRIT. SEPARATOR, SEE DETAIL SH. 4 OF 7
MI-1	9" DIA. MANHOLE	251.57	251.32	264.00	HO CO STD. G-5-01 OR G-5-02
E-1	24" CONC. END SECTION	---	241.00	---	HO CO STD. SD-5-51
E-2	24" CONC. END SECTION	---	241.50	---	HO CO STD. SD-5-51
S-1	OUTLET CONTROL STRUCT.	241.50	241.50	247.83	MODIFIED D INLET, SEE DETAIL SH. 5 OF 7
E-5	18" CONC. END SECTION	---	237.30	---	HO CO STD. SD-5-51



SEWER HOUSE CONNECTION PROFILE

SCALE: HORIZ. 1"=50'
VERT. 1"=5'



**SIGHT DISTANCE STUDY ANALYSIS
VOLLMERHAUSEN ROAD**

MAJOR COLLECTOR
ZONE: R-SC
DESIGN SPEED: 40 MPH
LEFT TURN:
DISTANCE LEFT 440 x 1.0 = 440'
DISTANCE RIGHT 540 x 1.0 = 540'
RIGHT TURN:
DISTANCE LEFT 510 x 1.0 = 510'

PROFILE

SCALE: HORIZ. 1"=50'
VERT. 1"=5'

**VOLLMERHAUSEN ROAD
PROFILE**
DESIGN SPEED: 40 MPH

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
Joyce M. Boudreau 12/29/93
HOWARD COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Anna J. Jannmann 12/30/93
CHIEF DIVISION OF LAND PLANNING AND ZONING DATE
Joseph Keenan 12/30/93
PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James J. Slavin 12/27/93
CONTRACTOR DATE
David Bennett 12/27/93
CHIEF BUREAU OF ENGINEERING DATE

LEF 11/9

OWNER
BETHEL ASSEMBLY OF GOD, SAVAGE, MD
P.O. BOX 416
SAVAGE, MD 20763
Phone: (410) 498-3344

PROFILES AND DETAILS			
PROJ. NO.	BETHEL ASSEMBLY OF GOD		
LOCATION	6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
SCALE:	DESIGNED BY	DRAWN BY	CHECKED BY
AS SHOWN	JJB	JJB/JRG	JULY, 1993
FIELD BOOK	PAGE No.	JOB No.	DRAWING No.
		91001	G.02.2

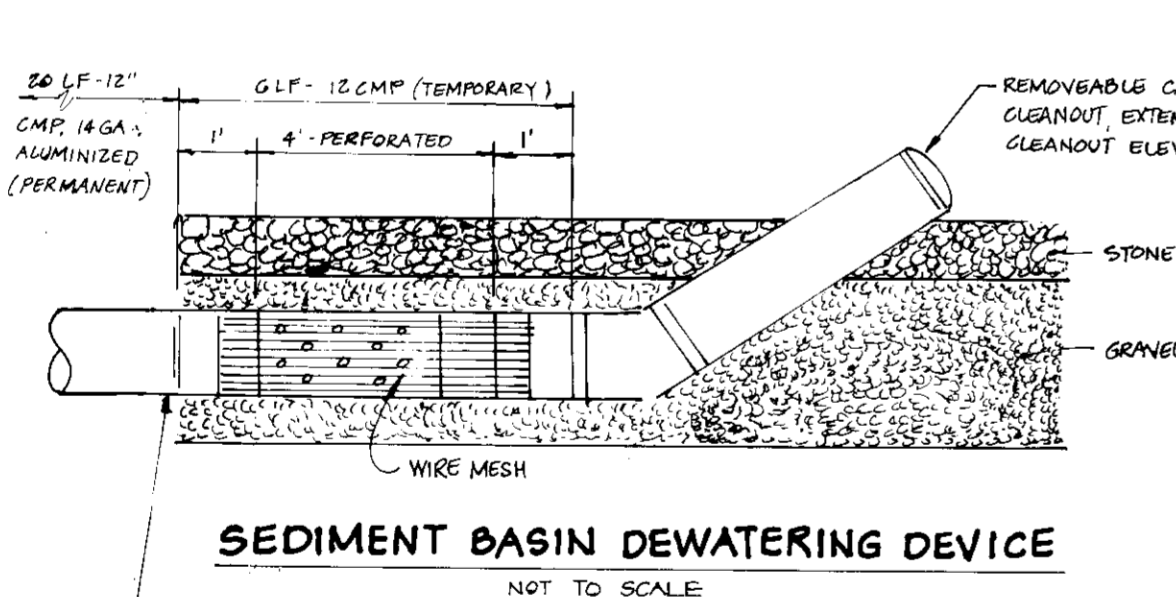
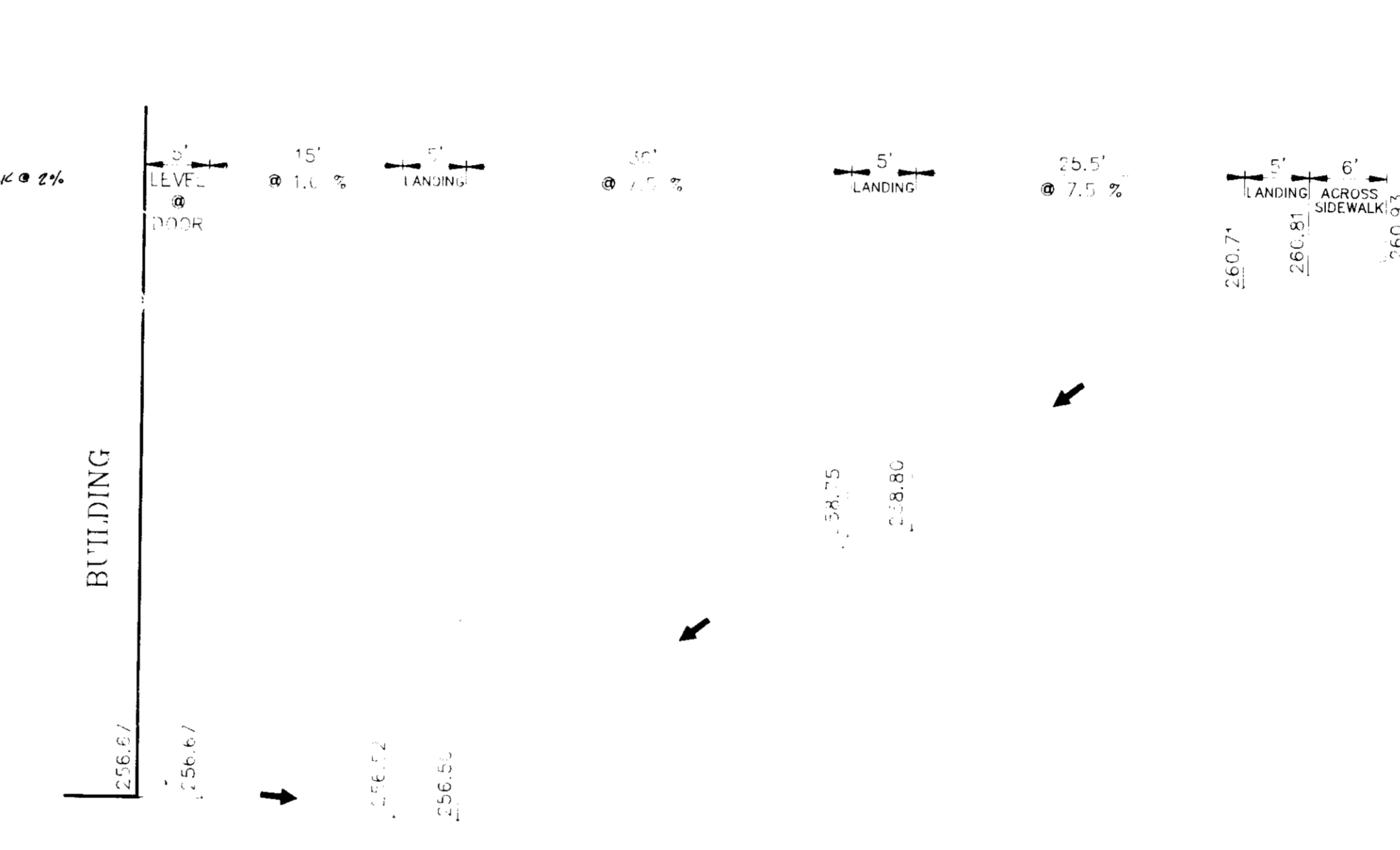
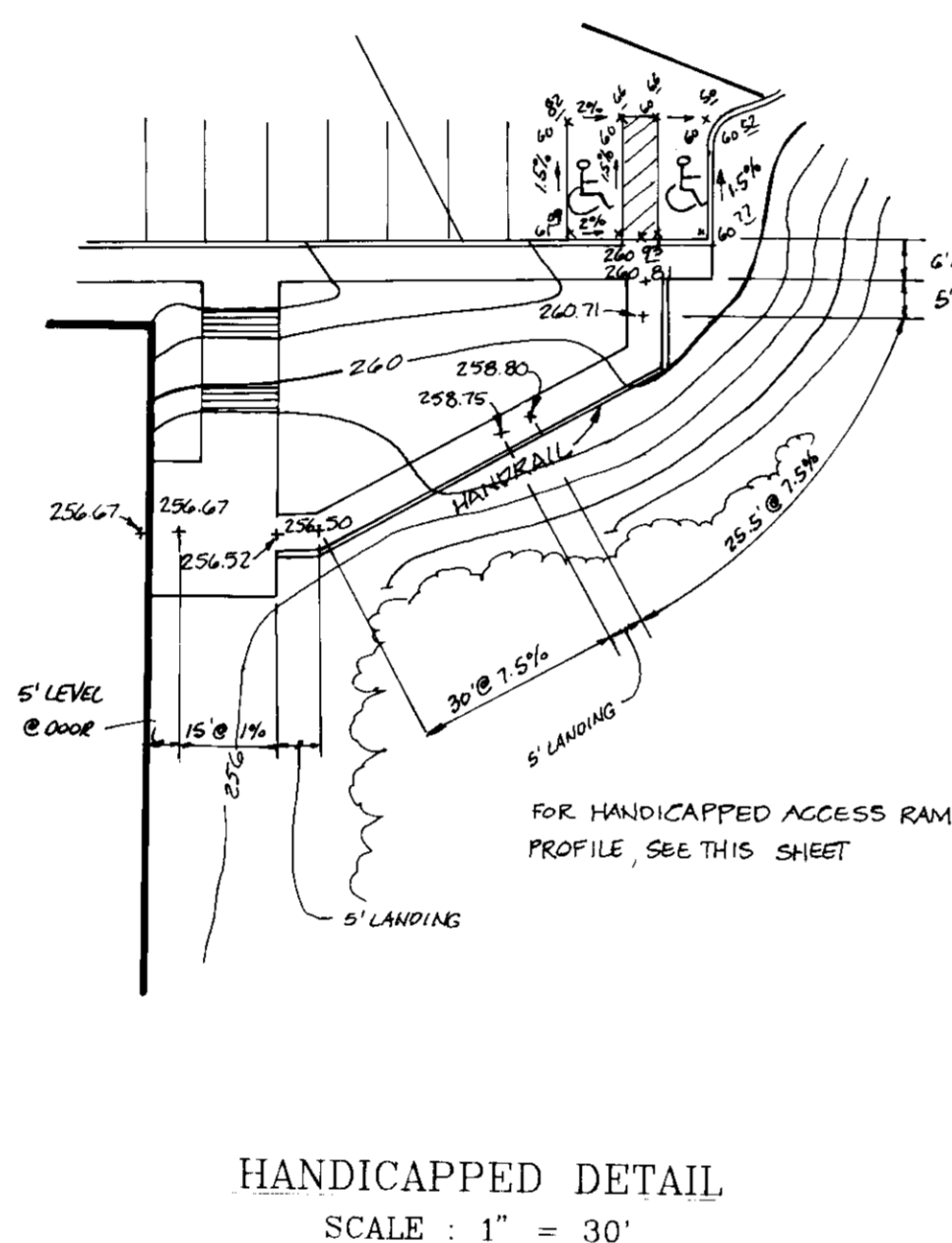
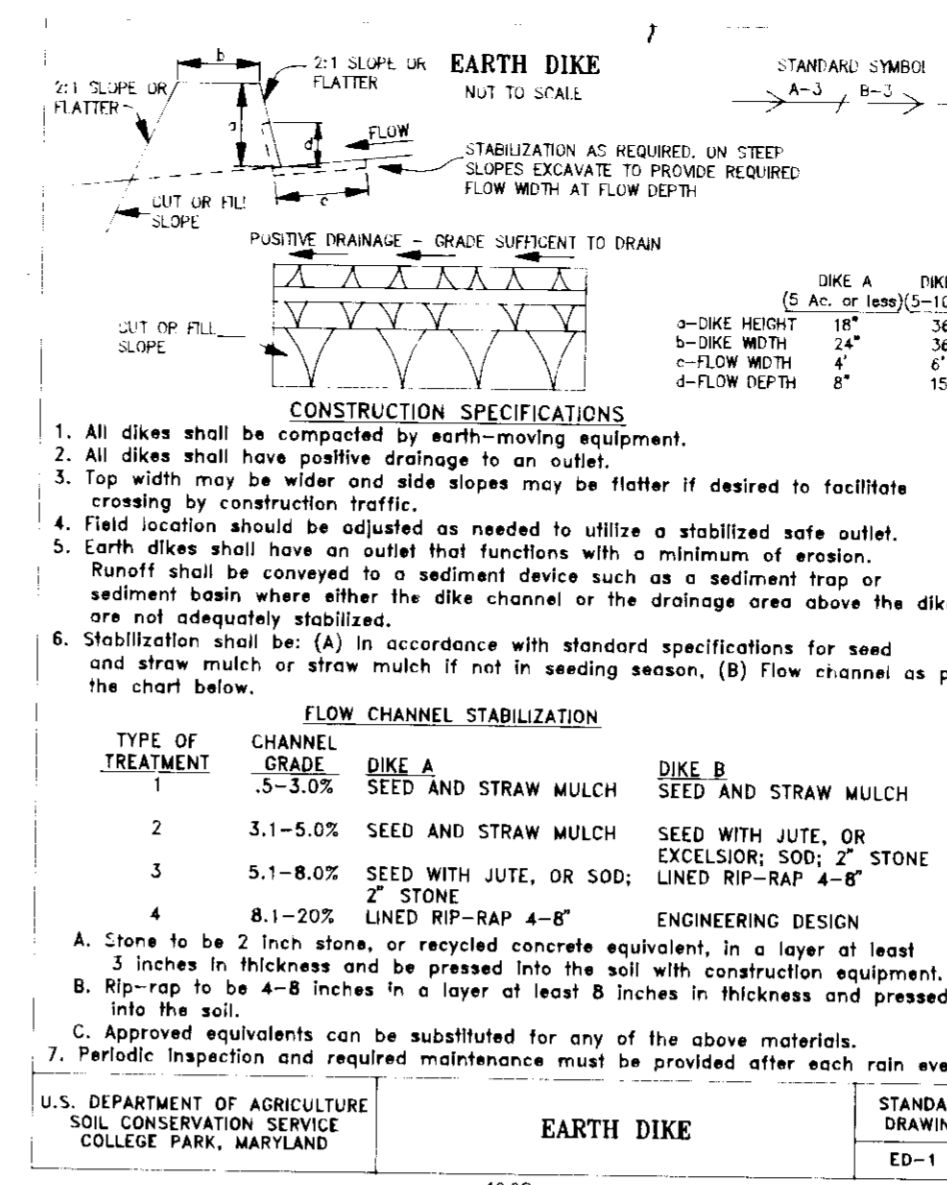
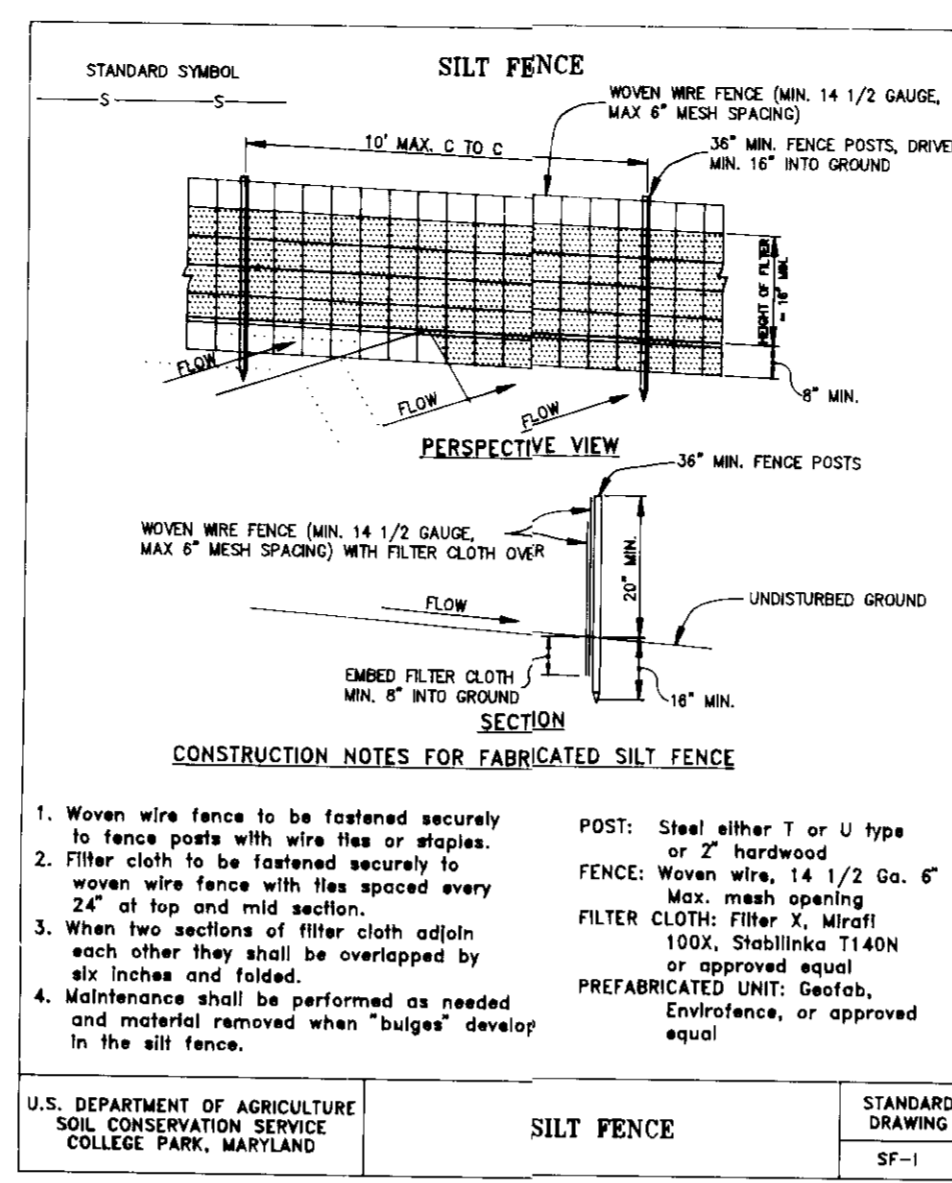
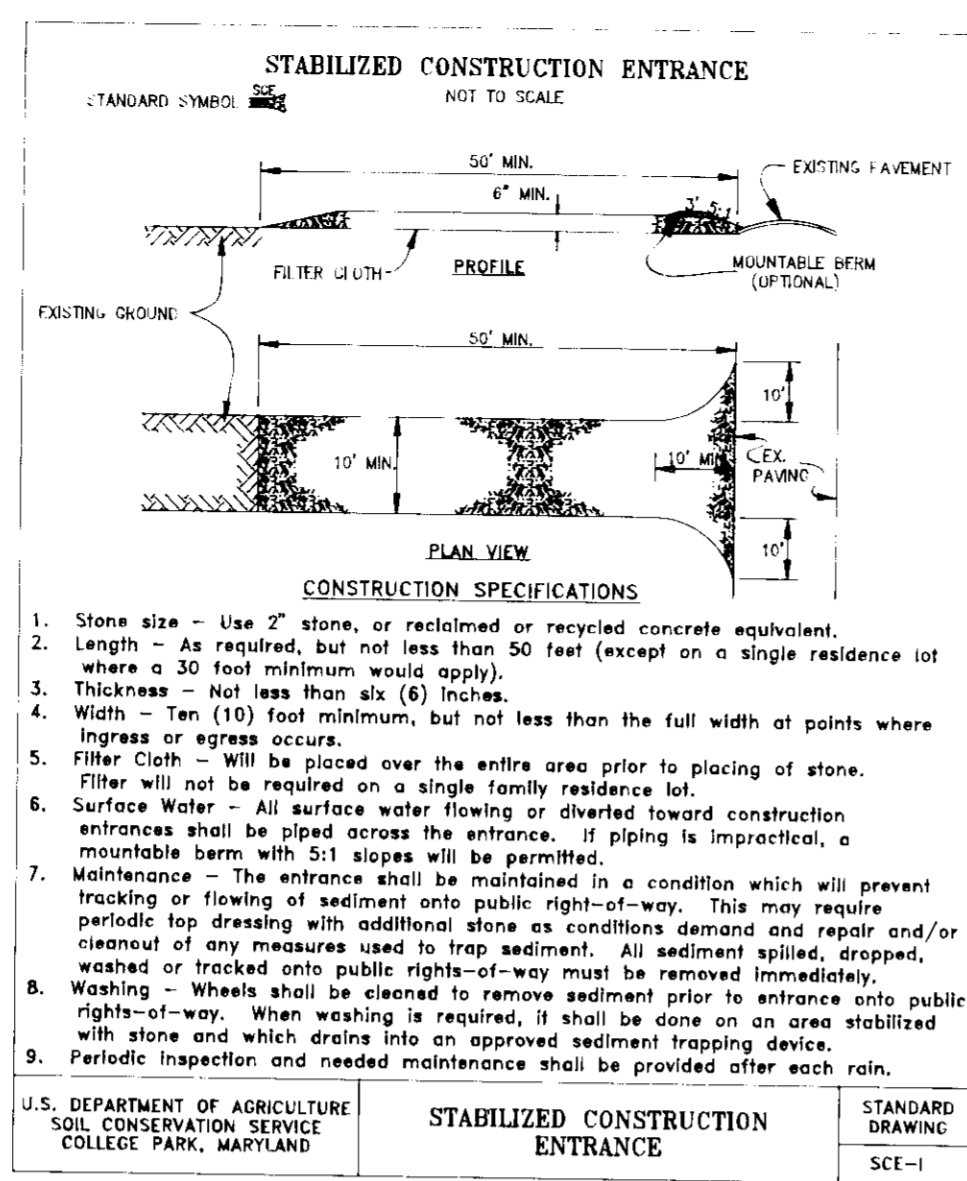
Boender Associates
ENGINEERS • PLANNERS • SURVEYORS
3230 BETHANY LANE
ELLCOTT CITY, MD. 21042
(410) 465-7777 FAX: (410) 465-7966

SEDIMENT CONTROL

- 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 (313-1855).
- 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 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 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	7.3	Acres
Area disturbed	2.0	Acres
Area to be roofed or paved	2.16	Acres
Area to be vegetatively stabilized	1.56	Acres
Total cut	5,920	Cu. Yds.
Total fill	6,000	Cu. Yds.

 Offsite waste/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 DFW 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.



DEVELOPERS CERTIFICATE

I certify that all development and/or construction will be done according to these plans and that any responsible personnel involved in the construction project will have a certificate of attendance at a soil conservation approved training program for the control of sediment and erosion before beginning the project. I will provide the Howard Soil Conservation District with an "AS-BUILT" plan of the pond within 30 days of completion. I also authorize periodic on-site inspection by the Howard Soil Conservation District.

Developer: _____ Date: _____

ENGINEER 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. I have notified the developer that he must provide the Howard Soil Conservation District with an "AS-BUILT" plan of the pond within 30 days of completion.

Engineer: _____ Date: _____

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

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

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

Reviewed for Howard Soil Conservation District and meets technical requirements.

Patricia Engler 12-15-93
U.S. SOIL CONSERVATION SERVICE

This Development is approved soil and sediment control by the Howard Soil Conservation District.

Robert Ziehm 12-15-93
SOIL CONSERVATION DISTRICT

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

Seeded 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 2 1/2 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 (0.7 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 mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 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 CONTROL for rate and methods not covered.

PERMANENT 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, discing or other acceptable means before seeding, if not previously loosened.

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 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 limestone (92 lbs/1000 sq 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 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 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 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 gallons 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 reseeding.

Owner/Developer

BETHEL ASSEMBLY OF GOD, INC.
P.O. BOX 416
SAVADE, MD 20763
Phone: (410) 468-3344

BETHEL ASSEMBLY OF GOD

PROJECT: **SEDIMENT CONTROL DETAILS**

LOCATION: 6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN
DESIGNED BY: JJB
DRAWN BY: LJC
CHECKED BY: DATE: JULY 1993
FIELD BOOK: PAGE NO: 91001
JOB NO: 7 of 7
DRAWING NO: 7 of 7

Boender Associates
ENGINEERS - PLANNERS - SURVEYORS
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