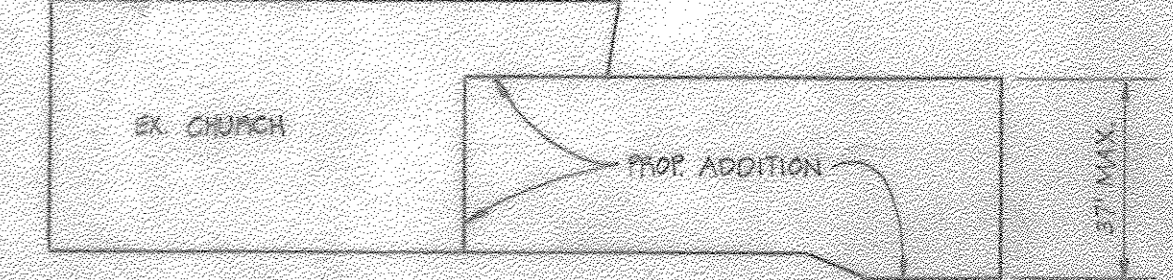
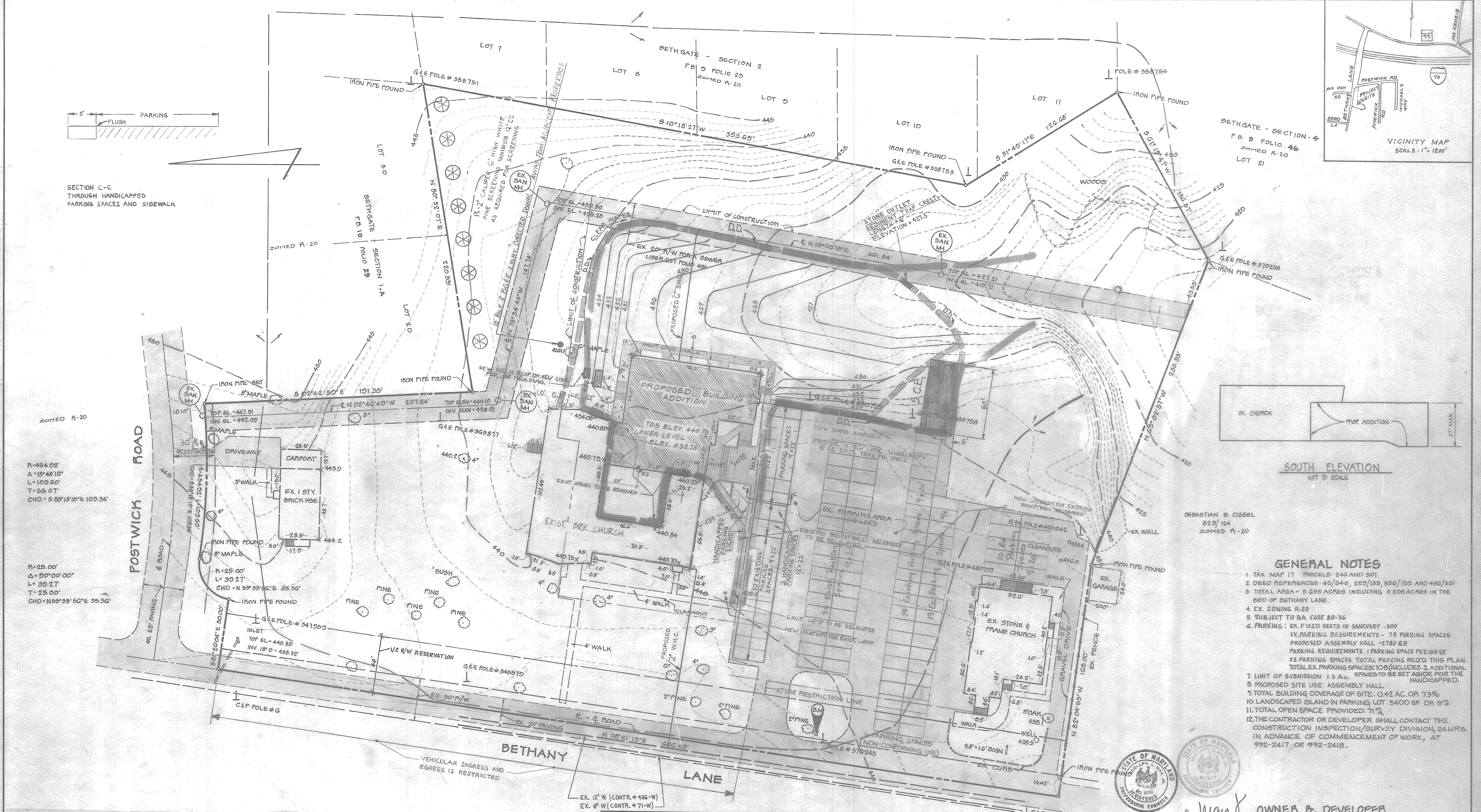


SECTION C-C  
THROUGH HANDICAPPED  
PARKING SPACES AND SIDEWALK



SOUTH ELEVATION  
NOT TO SCALE

SEBASTIAN B. CISSEL  
02/12/24  
ZONED R-20

**GENERAL NOTES**

- TAX MAP 17 PARCELS: 246 AND 501
- DEED REFERENCES: 40/640, 200/185, 800/750 AND 450/361
- TOTAL AREA - 5.650 ACRES INCLUDING 0.200 ACRES IN THE BED OF BETHANY LANE
- EX. ZONING R-20
- SUBJECT TO BA CASE 80-36
- PARKING: EX. FIXED SEATS IN SANCTUARY - 300  
EX. PARKING REQUIREMENTS - 75 PARKING SPACES  
PROPOSED ASSEMBLY HALL - 2780 S.F.  
PARKING REQUIREMENTS, 1 PARKING SPACE PER 100 S.F.  
28 PARKING SPACES TOTAL PARKING REQ'D THIS PLAN.  
TOTAL EX. PARKING SPACES: 108 (INCLUDES 2 ADDITIONAL SPACES TO BE SET ASIDE FOR THE HANDICAPPED).
- LIMIT OF SUBMISSION 1.5 AC. SPACES TO BE SET ASIDE FOR THE HANDICAPPED.
- PROPOSED SITE USE: ASSEMBLY HALL
- TOTAL BUILDING COVERAGE OF SITE: 0.42 AC. OR 7.3%
- LANDSCAPED ISLAND IN PARKING LOT: 5400 S.F. OR 15%
- TOTAL OPEN SPACE PROVIDED: 71%
- THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION, 24 HRS. IN ADVANCE OF COMMENCEMENT OF WORK, AT 992-2417 OR 992-2418.

ZONED R-20  
R=454.02'  
Δ=15°48'10"  
L=100.60'  
T=155.07'  
CHD=5 88°18'19"E 105.34'

R=25.00'  
Δ=0°00'00"  
L=30.27'  
T=25.00'  
CHD=N 59°39'50"E 35.36'

**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 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 AND DEEMED NECESSARY.

*Step Holcomb* 3/12/81  
DEVELOPER DATE

**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.

*Robert May*  
ENGINEER DATE

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

*James M. Helman* 6/3/81  
U.S. SOIL CONSERVATION SERVICE DATE

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

*William J. [Signature]* 6-2-81  
HOWARD SOIL CONSERVATION DISTRICT DATE

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

*Joyce M. Boyles* 6-15-81  
DATE

*Thomas L. Harris* 6-15-81  
DATE

*John M. Muschman* 6-15-81  
DATE

*Clay F. Newman* 6-10-81  
DATE

*William E. Ray* 6-19-81  
CHIEF, BUREAU OF ENGINEERING DATE

BENCH MARK - HOWARD CO. CONTROL STA. 3541002  
CONC. MON. @ SURFACE 0'± EAST OF EDGE OF ROAD  
IN GRASS ISLAND AND 7.5'± IN A NORTHEASTERLY  
DIRECTION FROM G&E POLE # 370246. ELEV. = 440.419

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 5-22-81

*Robert May*

OWNER & DEVELOPER  
BETHANY UNITED METHODIST CHURCH  
2815 BETHANY LANE  
ELLCOTT CITY, MD 21043

TITLE <b>SITE DEVELOPMENT PLAN</b>			
PROJECT <b>BETHANY UNITED M.E. CHURCH</b>			
LOCATION 2ND ELECTION DISTRICT		HOWARD COUNTY, MD	
DATE MAY 2 1981	DESIGN BY W.H.N.	DRAWN BY W.N./D.N.	CHECKED BY B.L.M.
SCALE 1" = 30'	JOB NO. T0116	DRAWING NO. 1 OF 2	AZ
boender associates engineers/surveyors/planners			
SUITE 102-107 TOWN & COUNTRY PROFESSIONAL BUILDING ELLCOTT CITY, MARYLAND 21043 BALTIMORE 301-468-7772 SALISBURY 301-748-1288			

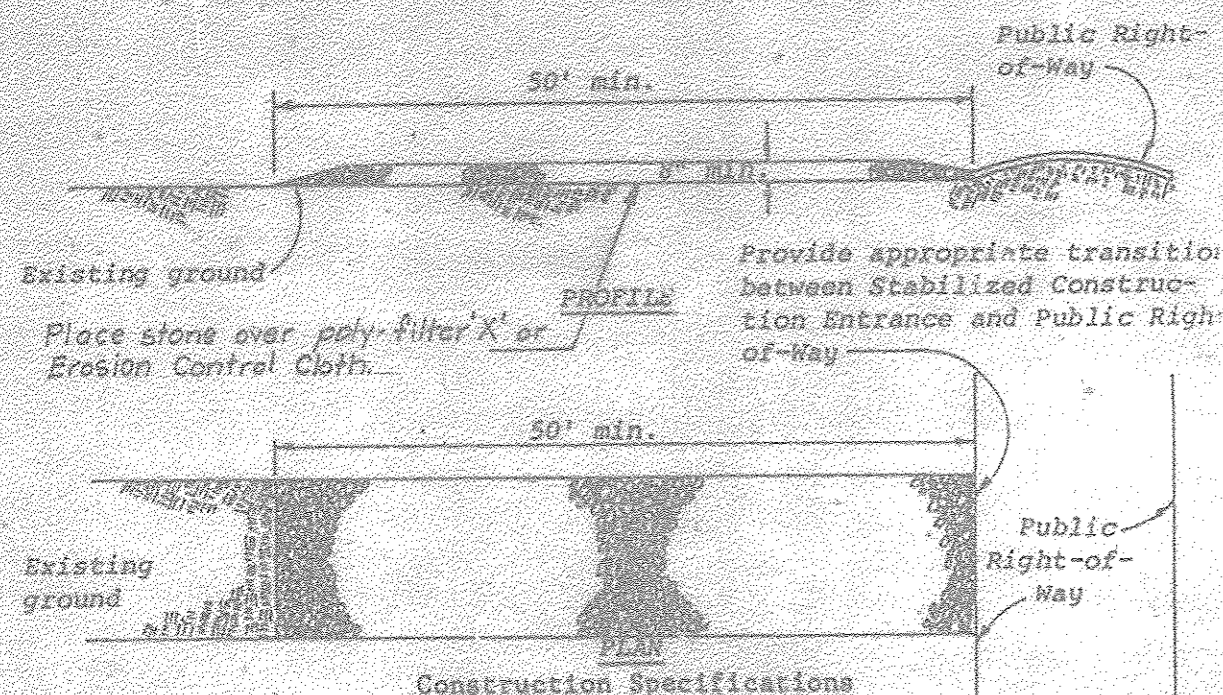
**SEDIMENT CONTROL NOTES**

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS." PREPARED BY THE U.S.D.A., SOIL CONSERVATION SERVICE.
2. APPLY FOR GRADING PERMIT.
3. NOTIFY THE BUREAU OF LICENSE INSPECTIONS AND PERMITS 24 HRS. PRIOR TO GRADING OPERATION.
4. CONSTRUCTION SHALL ADHERE TO THE CONSTRUCTION SEQUENCE.
5. CUT AND FILL SLOPES SHALL BE 3:1 MAXIMUM.
6. ELEVATIONS MARKED THUS (X) SHALL BE FINISHED GRADE.
7. ANY EXCESS MATERIAL SHALL BE STOCKPILED IN A CLEARED LOCATION ON SITE WHICH IS PROTECTED BY SEDIMENT CONTROL STRUCTURE(S). MAXIMUM FILL SLOPE SHALL BE 3:1 STOCKPILED MATERIAL SHALL BE STABILIZED ACCORDING TO SEEDING SPECIFICATIONS BELOW.
8. SEDIMENT CONTROL STRUCTURES SHALL BE REMOVED ONLY WITH PERMISSION OF THE BUREAU OF LICENSE, INSPECTIONS AND PERMITS.
9. STABILIZATION MEASURES  
 TEMPORARY STABILIZATION  
 APPLY: 4,000 LBS./AC. OR 46 LBS./1,000 SQFT. OF PULVERIZED DOLOMIC LIMESTONE, 600 LBS./AC. OR 15 LBS./1,000 SQFT. OF 10-20-10 FERTILIZER, PLANT WITH ANNUAL RYEGRASS AT 2.5 BUSHELS/AC. MULCH ALL DISTURBED AREAS WITH 2 TONS/AC. OR 90 LBS./1,000 SQFT. WITH WEED FREE, SMALL GRAIN MULCH IMMEDIATELY.  
 PERMANENT STABILIZATION  
 APPLY: 4000 LBS./AC. OF PULVERIZED DOLOMIC LIMESTONE.  
 500 LBS./AC. OF 10-10-10 FERTILIZER.  
 SEED: 25 LBS./AC. OF KENTUCKY 31 TALL FESCUE.  
 40 LBS./AC. OF KENTUCKY BLUE GRASS.  
 25 LBS./AC. OF ANNUAL RYEGRASS.  
 NOTE: SEEDING MAY BE DONE BETWEEN MARCH 1 - MAY 1, OR AUG. 1-OCT. 1 ONLY.  
 MULCH ALL DISTURBED AREAS IMMEDIATELY AFTER GRADING.  
 MULCH: 2 TONS /AC. OF UNWEATHERED WHEAT STRAW. TIE MULCH DOWN WITH 480 GAL./AC. OF LIQUID ASPHALT.

**CONSTRUCTION SPECIFICATIONS**

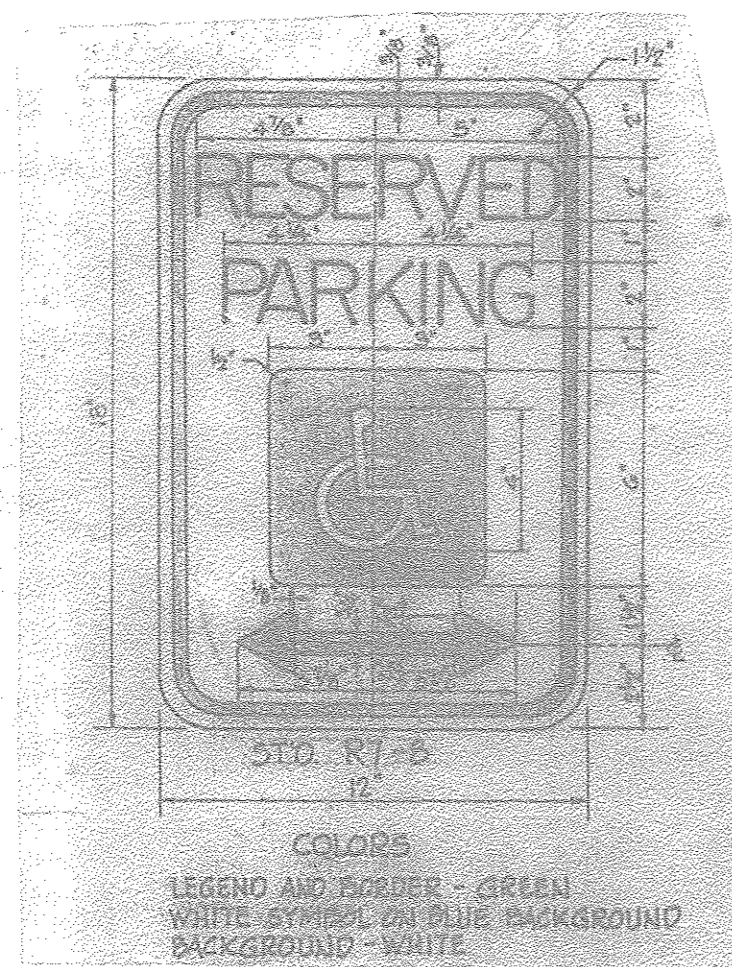
1. All graded or disturbed areas including slopes shall be protected during clearing and construction in accordance with the approved sediment control plan until they are permanently stabilized.
2. All sediment control practices and measures shall be constructed, applied and maintained in accordance with the approved sediment control plan and the "Standards and Specifications for Soil Erosion and Sediment Control in Developing Areas"
3. Topsoil required for the establishment of vegetation shall be stockpiled in amount necessary to complete finished grading of all exposed areas.
4. Areas to be filled shall be cleared, grubbed and stripped of topsoil to remove trees, vegetation, roots or other objectionable material.
5. Areas which are to be topsoiled shall be scarified to a minimum depth of three inches prior to placement of topsoil.
6. All fills shall be compacted as required to reduce erosion, slippage, settlement, subsidence or other related problems. Fill intended to support buildings, structures and conduits, etc., shall be compacted in accordance with HOWARD COUNTY STANDARD SPECIFICATIONS.
7. All fill shall be placed and compacted in layers not to exceed 8 inches in thickness.
8. Fill material shall be free of brush, rubbish, rocks, logs, stumps, building debris and other objectionable materials that would interfere with or prevent construction of satisfactory fills.
9. Frozen material or soft, mucky or highly compressible materials shall not be incorporated into fills.
10. Fill shall not be placed on a frozen foundation.
11. Seeps or springs encountered during construction shall be handled in accordance with the Standard and Specifications for Subsurface Drain or other approved methods.

**STABILIZED CONSTRUCTION ENTRANCE (not to scale)**

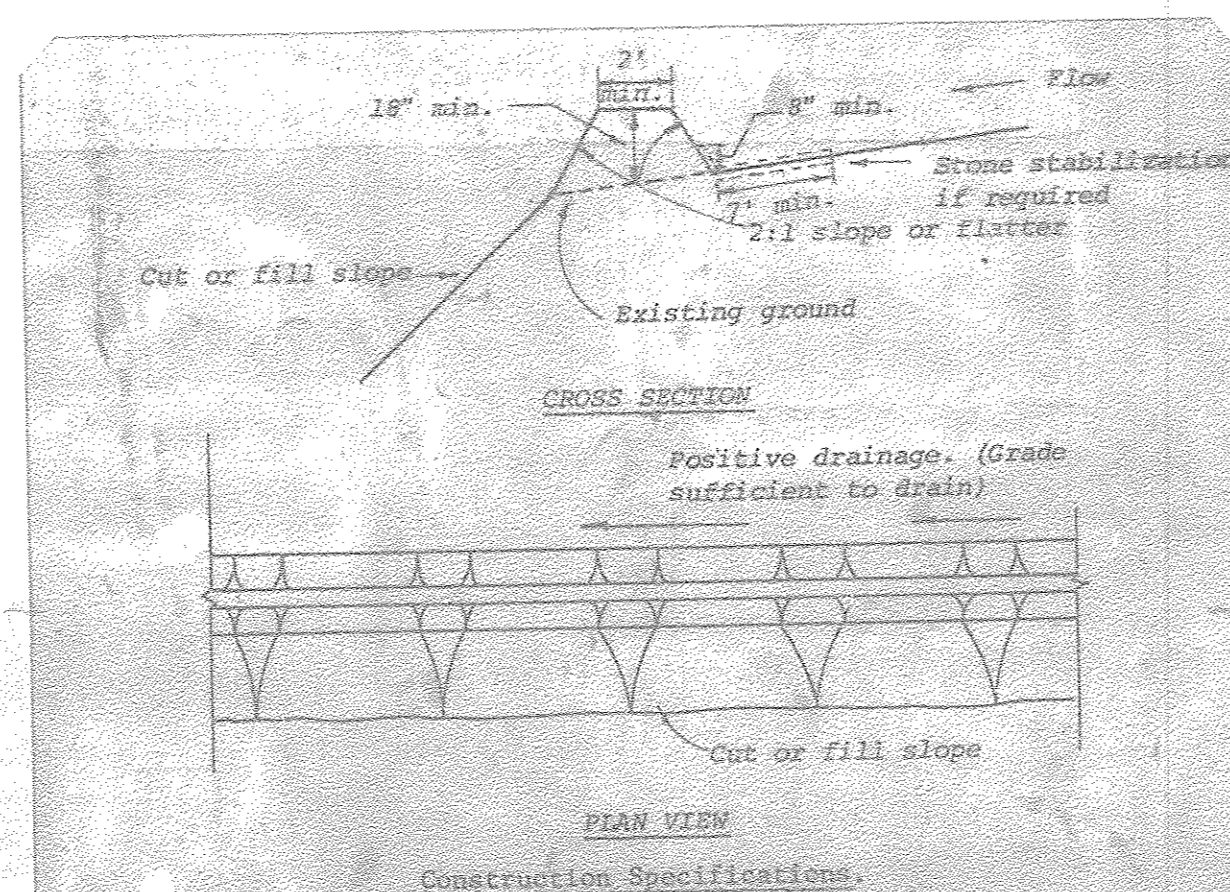


1. Stone size - Use MSRA size No. 2 (2-1/2" to 1") or AASHTO designation M43, size No. 2 (2-1/2" to 1-1/2"). Use crushed stone.
2. Length - As effective, but not less than 50 feet.
3. Thickness - Not less than eight (8) inches.
4. Width - Not less than full width of all points of ingress or egress.
5. Washing - When necessary, wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with crushed stone which drains into an approved sediment trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch, or watercourse through use of sand bags, gravel, boards or other approved methods.
6. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand 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 be removed immediately.

Standard Symbol: SCE

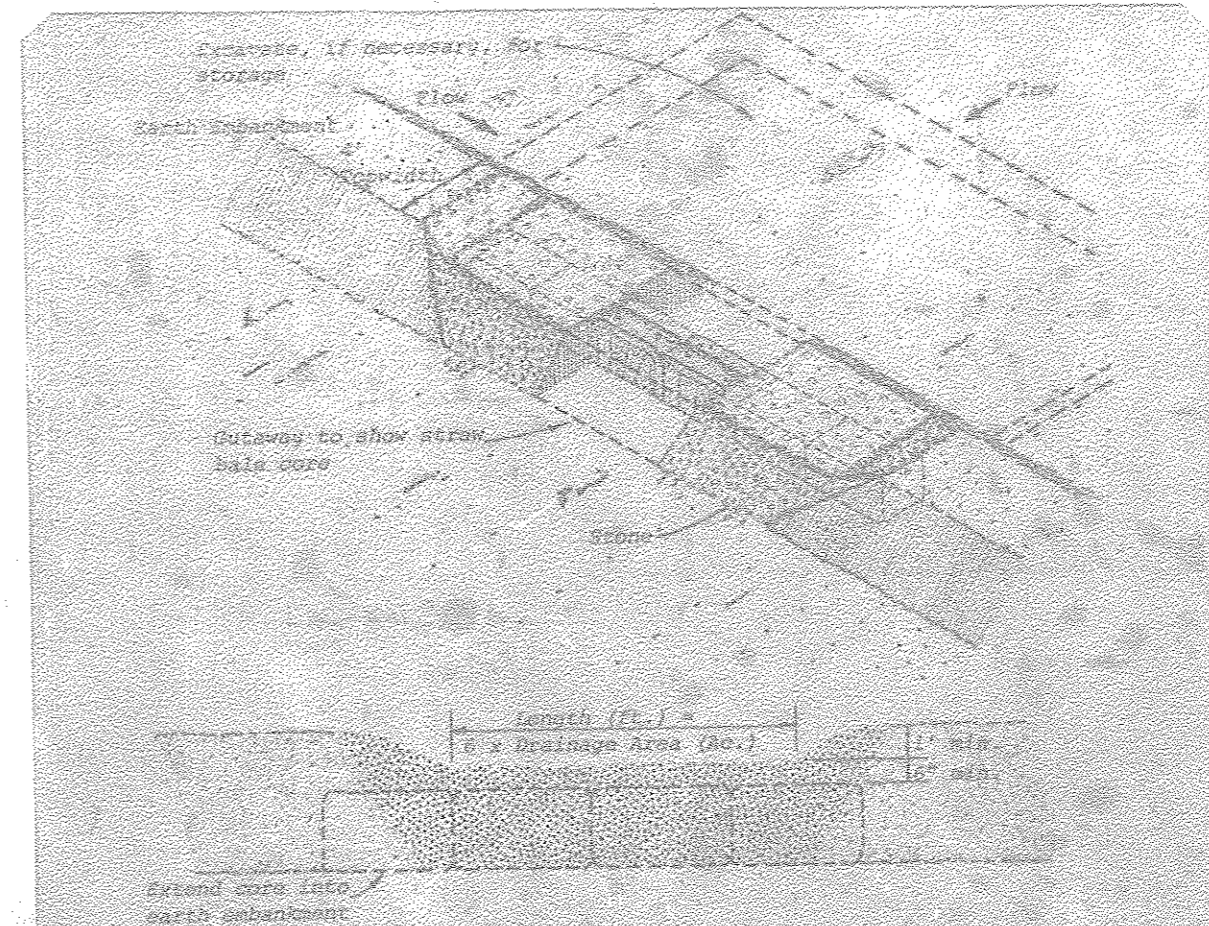


**HANDICAPPED SIGN DETAIL**



1. All dikes shall be machine compacted.
2. All diversion dikes shall have positive drainage to an outlet.
3. A. Diverted runoff from a protected or stabilized area shall outlet directly to an undisturbed stabilized area or into a level spreader or grade stabilization structure.  
 B. Diverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as a sediment trap or a sediment basin or to an area protected by any of these practices.
4. Stabilization, as specified by the plans, shall be (1) in accordance with Standard and Specifications for Grassed Waterway, and the area to be stabilized shall be the channel (flow area); or (2) the flow area shall be lined with stone that meets MSMA size No. 2 or AASHTO M43 size No. 2 or 24 which is placed in a 3 inch thick layer and pressed into the soil. The area covered by the stone shall be as shown on the drawing above.
5. Periodic inspection and required maintenance shall be provided.

Standard Symbol: DD  
 DIVERSION DIKE  
 Standard Drawing: DD-1



- NOTE - Drainage shoe stone traps used for catch basins are anchored as per Standard and Specifications for Storm Drain Dike. Other materials (e.g., timber or concrete block) may also be used for catch basins. Firmly anchor all core material to ground.
- Construction Specifications**
1. Area under catchment shall be cleared, grubbed and stripped of any vegetation and rock mat. The post area shall be cleared.
  2. The fill material for the catchment shall be free of roots or other woody vegetation as well as over sized stones, rocks, organic material or other objectionable material. The catchment shall be compacted by traversing with equipment while it is being constructed.
  3. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
  4. The structure shall be inspected after each rain and repairs made as needed.
  5. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
  6. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
  7. All cut and fill slopes shall be 3:1 or flatter.
  8. The crushed stone used in the outlet shall meet AASHTO designation M43, Size No. 2 or 24 or its equivalent such as MSMA No. 2. Gravel, meeting the above gradation, may be used if crushed stone is not available. Gravel run is not acceptable.

Standard Drawing: ST-3  
 STONE OUTLET SEDIMENT TRAP

APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 5-22-81

**TRAP DESIGN**  
 DRAINAGE AREA = 0.75 AC  
 VOLUME REQ'D - 1350 CF STORAGE BELOW CREST  
 VOLUME PROVIDED - BELOW CREST - 0.4 x 1.5 x 4410 = 2646 CF  
 CLEANOUT @ ELEVATION 426.75  
 CREST ELEVATION 427.5  
 CREST LENGTH 6'

**SEQUENCE OF CONSTRUCTION**

1. OBTAIN GRADING PERMIT.
2. NOTIFY HOWARD COUNTY BUREAU OF LICENSE INSPECTIONS AND PERMITS 24 HOURS PRIOR TO GRADING OPERATIONS.
3. CONSTRUCT SCE, D.D., TRAP # 1
4. ROUGH GRADE THE SITE. STABILIZE WITH TEMPORARY SEEDING.
5. CONSTRUCT BUILDING.
6. FINE GRADE AROUND BUILDING AND STABILIZE.
7. CLEAN SEDIMENT TRAP AND RESTORE TO FINAL CONTOURS. REMOVE TEMPORARY BERM.
8. REMOVE TEMP. S.C.E. WITH APPROVAL OF INSPECTOR.

**SITE ANALYSIS**

TOTAL AREA OF SITE: 0.2 AC  
 AREA PAVED: 1.3 AC  
 AREA DISTURBED: 0.7 AC  
 AREA REVEGETATED: 0.6 AC  
 AREA UNDISTURBED: 1.45 AC



*Rodolph May*  
 OWNER & DEVELOPER  
 BETHANY UNITED METHODIST CHURCH  
 2875 BETHANY LANE  
 ELLICOTT CITY, MD. 21038

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

*Joyann Boyd* 6-15-81  
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
*Thomas Hanning* 6-15-81  
 PLANNING DIRECTOR DATE

*John M. ...* 6-15-81  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.  
*W. F. ...* 6-10-81  
 DIRECTOR DATE

*William E. ...* 6-15-81  
 CHIEF, BUREAU OF ENGINEERING DATE

**DEVELOPER'S CERTIFICATE**

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*James M. ...* 3/11/81  
 DEVELOPER DATE

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*Rodolph May*  
 ENGINEER DATE

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

*James M. ...* 6/3/81  
 U.S. SOIL CONSERVATION SERVICE DATE

*William E. ...* 6-2-81  
 HOWARD SOIL CONSERVATION DISTRICT DATE

**SECTIONS AND DETAILS**

PROJECT: BETHANY UNITED M.E. CHURCH  
 LOCATION: 2ND ELECTION DISTRICT HOWARD COUNTY, MD.  
 DATE: MARCH 9, 1981 DESIGN BY: W.H.N. DRAWN BY: D.W.N. CHECKED BY: R.L.M.  
 SCALE: A6 SHOWN JOB NO.: 79118 DRAWING NO.: 2 OF 2 A2A

boender associates  
 SUITE 102-107 TOWN & COUNTRY PROFESSIONAL BUILDING  
 ELLICOTT CITY, MARYLAND 21038  
 BALTIMORE 301-488-7777 SALISBURY 301-740-1386

engineer/surveyor/planner