

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

APPROVED: EDWARD COUNTY DEPT. OF PLANNING & ZONING
 DATE: 10/23/91

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE
 EDWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE: 10/17/91

DATE: 10-17-91

Sheet No.	Description
C-1	Site Plan
C-2	Utility Plan
C-3	Sediment Control Plan
C-4	Sediment Control Notes/Details
C-5	Soils Map
C-6	Landscaping Plan

SUBDIVISION NAME	SECT./AREA	PARCEL #			
'South Columbia Baptist Church	N/A	55			
L/F	BLOCK #	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.
1224/714	8 and 14	R-12	42	6	6066.01
WATER CODE:	SEWER CODE:				
E-16	5290000				

SITE ANALYSIS

- Total Area: 9.786 Ac. or 426,278
- Present Zoning: R-12
- Special Exception Case No. BA 90-468 Granted February 28, 1991
- Proposed Use: Religious Facility
- Number of Stories: One
- Floor Area: 11,400 SF
- Building Height: 32'-0"
- Total Seating Capacity: 256
- Disturbed Area: 3.3 Ac.
- Total Volume of Spoil: Zero
- Total Volume of Borrow: Zero

PARKING COMPOUND INTERIOR PLANTING AREA CALCULATION:

Total Area of Parking Paving	43,600 SF
Required Landscaping Area 5%	2,180 SF
Landscape Area Provided	2,196 SF

LOT COVERAGE:

Total Area of Site	9.786 Ac. or 426,278 SF
Bldg. Area	11,400 SF
Bldg. Coverage (%)	2.67%
Allowance Coverage	25%
Total Paved and Walk Area	43,600 SF
Total Bldg. Area	11,400 SF
Total Lot Coverage	55,000 SF
Green Area	371,278 SF
Green Area %	87%

PARKING SCHEDULE:

Sanctuary Seating	256 seats
Required Parking	256/3 = 86 spaces
Parking Provided	87 spaces
Handicapped Provided	4 spaces
Handicapped Space	8' x 18'
Regular Parking Space	9' x 18'

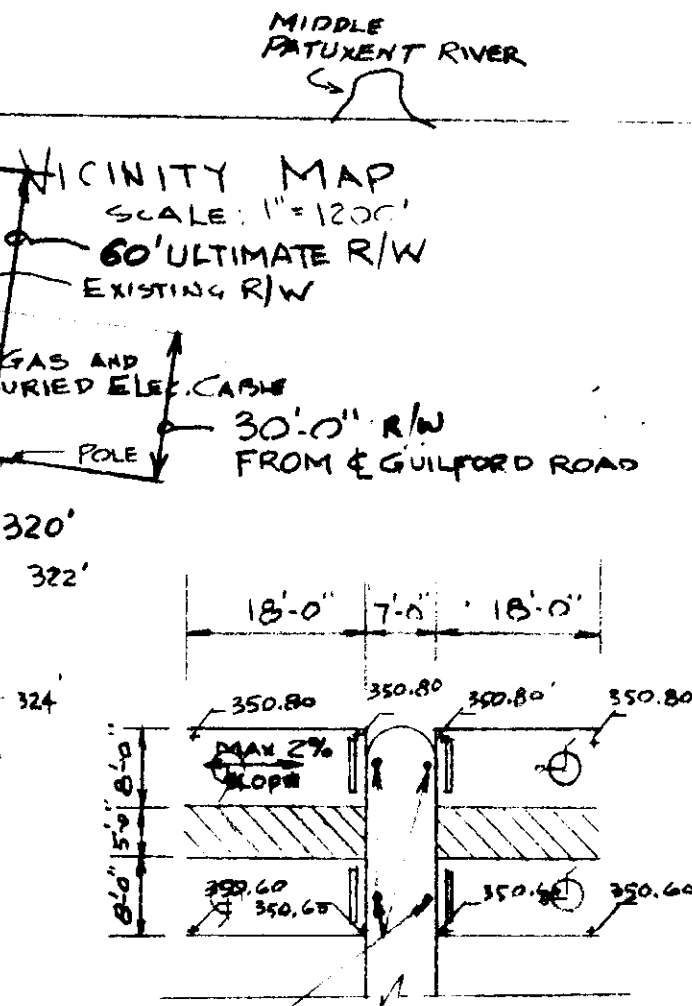
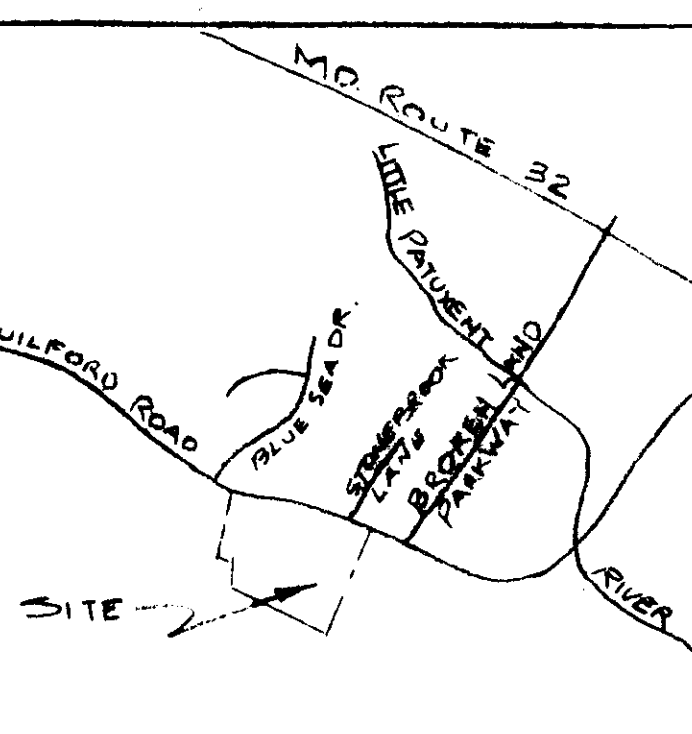
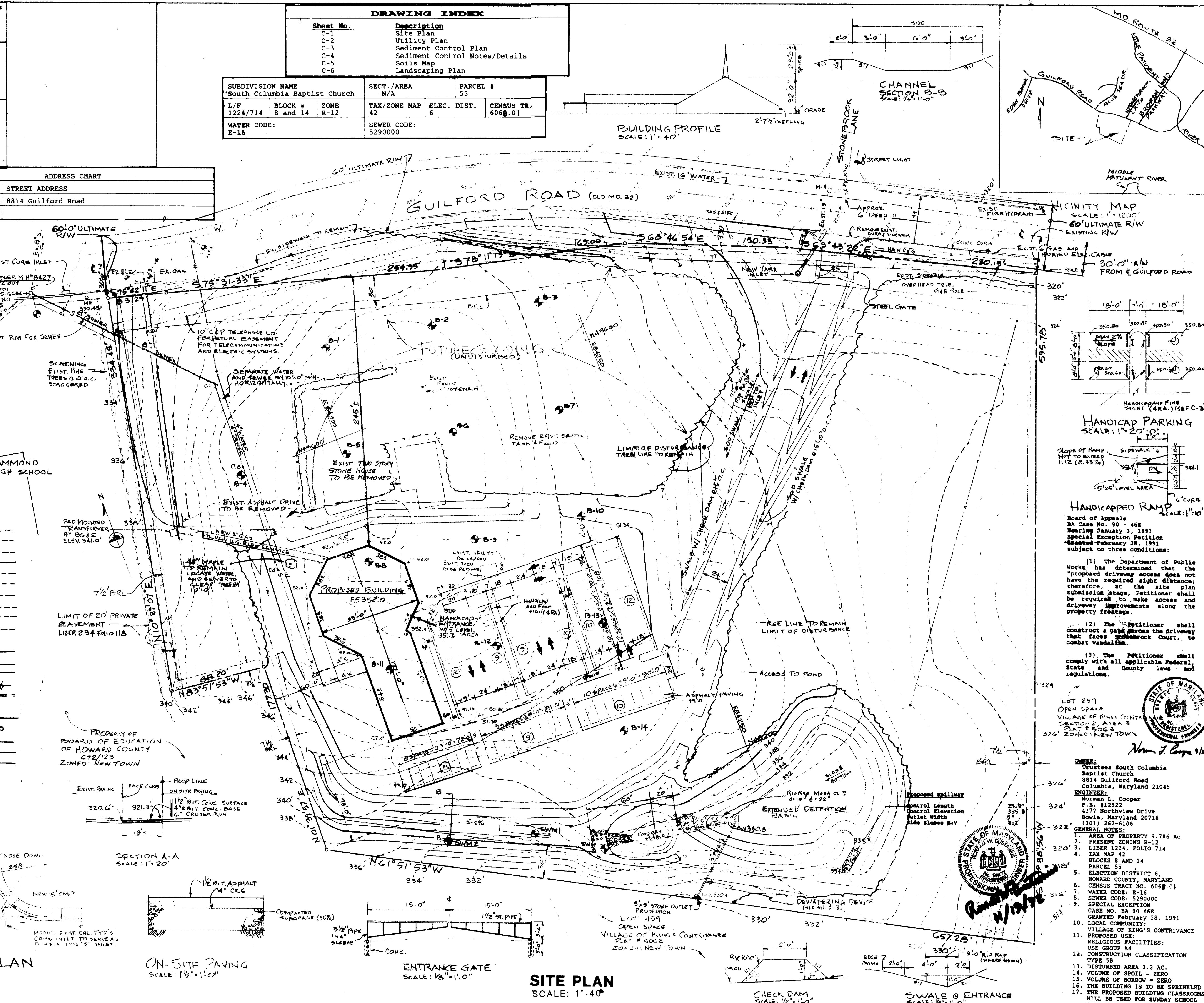
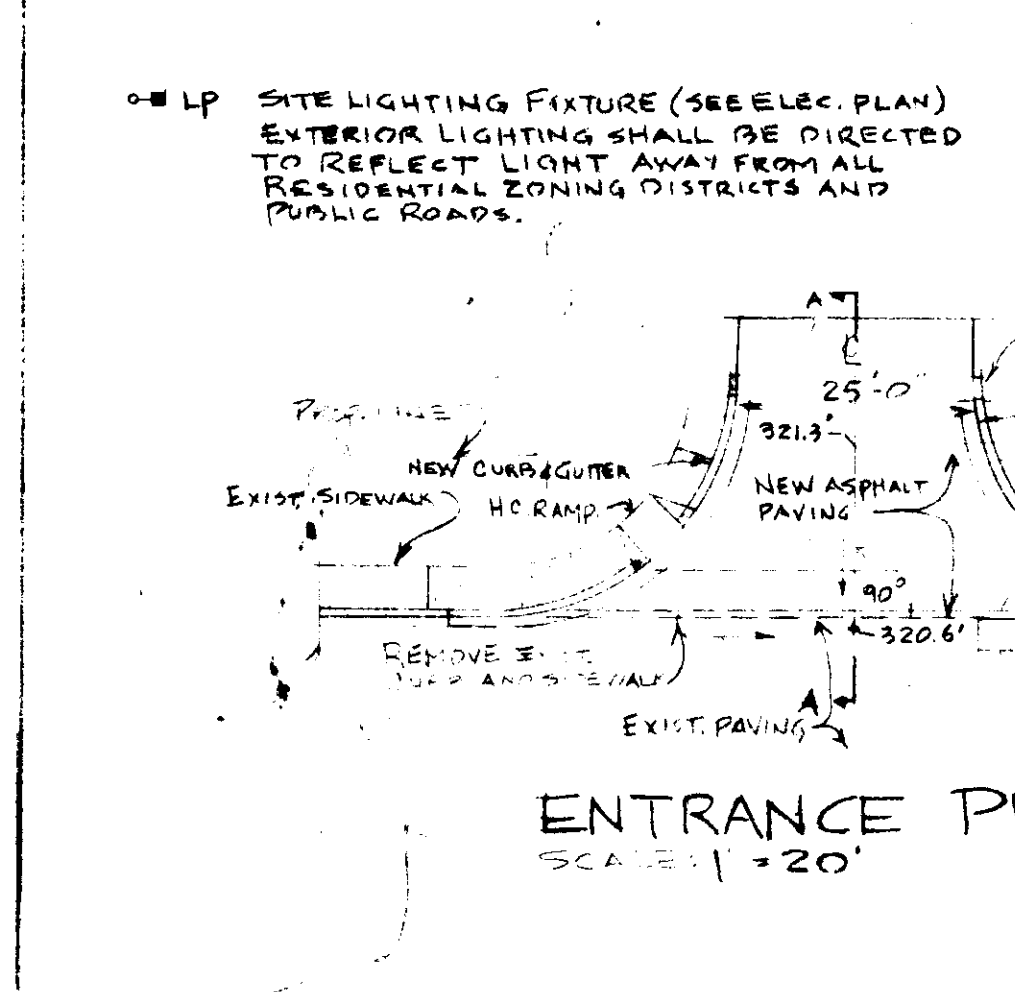
PAR NUMBER	STREET ADDRESS
55	8814 Guilford Road

GENERAL NOTES:

- CONTRACTOR IS TO NOTIFY HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING 24 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION AT 792-7272
- ALL WORK IS TO BE DONE IN ACCORDANCE WITH HOWARD COUNTY SPECIFICATIONS AND DETAILS, HOWARD COUNTY SPECIFICATIONS TO GOVERN IN CASE OF CONFLICT.

LEGEND:

- Existing Contour Line
- Existing Building
- Existing Pavement Edge
- Property Line
- Existing Storm Drain
- Existing Water Line
- Existing Sewer Line
- Existing Gas Lines
- Existing Underground Telephone
- Existing Underground Electric
- Existing Trees
- Proposed Contour Line
- Proposed Building
- Proposed Pavement Edge
- Proposed Cut or Fill
- Proposed Storm Drain
- Proposed Perimeter Dike
- Proposed Limit of Grading
- Spot Elevation
- Silt Fence
- Future Finished Grade
- Limit of Const. and Tree Protection Fence



HANDICAPPED RAMP SCALE: 1\"/>

Board of Appeals
 BA Case No. 90 - 468
 Hearing January 3, 1991
 Special Exception Petition
 Received February 28, 1991
 subject to three conditions:

- The Department of Public Works has determined that the "proposed driveway access does not have the required sight distance; therefore, at the site plan submission stage, Petitioner shall be required to make access and driveway improvements along the property frontage.
- The Petitioner shall construct a gate across the driveway that faces Stonebrook Court, to combat vandalism.
- The Petitioner shall comply with all applicable Federal, State and County laws and regulations.

LOT 259
 OPEN SPACE
 VILLAGE OF KING'S CONTRIVANCE
 SECTION 2 AREA 3
 PLAT # 5062
 ZONED: NEW TOWN

OWNER:
 Trustees South Columbia Baptist Church
 8814 Guilford Road
 Columbia, Maryland 21045

ENGINEER:
 Norman L. Cooper
 P.E. #12522
 4377 Northview Drive
 Bowie, Maryland 20716
 (301) 262-6106

GENERAL NOTES:

- AREA OF PROPERTY 9.786 AC
- PRESENT ZONING R-12
- LIBER 1224, FOLIO 714
- TAX MAP 42
- BLOCKS 8 AND 14
- PARCEL 55
- ELECTION DISTRICT 6, HOWARD COUNTY, MARYLAND
- CENSUS TRACT NO. 6066.01
- WATER CODE: E-16
- SEWER CODE: 5290000
- SPECIAL EXCEPTION CASE NO. BA 90-468 GRANTED FEBRUARY 28, 1991
- LOCAL COMMUNITY: VILLAGE OF KING'S CONTRIVANCE
- PROPOSED USE: RELIGIOUS FACILITIES; USE GROUP A4
- CONSTRUCTION CLASSIFICATION TYPE 5B
- DISTURBED AREA 3.3 AC
- VOLUME OF BORROW = ZERO
- VOLUME OF SPOIL = ZERO
- THE BUILDING IS TO BE SPRINKLED
- THE PROPOSED BUILDING CLASSROOMS WILL BE USED FOR SUNDAY SCHOOL EDUCATIONAL PURPOSES

AS BUILT
 APP'D FOR PERMIT
 REV. FOR PERMIT
 SWAMP
 AS BUILT

MARYLAND CONSTRUCTION MANAGEMENT
 4377 NORTHVIEW DRIVE, BOWIE, MARYLAND 20746
 410-262-6106

SOUTH COLUMBIA BAPTIST CHURCH
 8814 GUILFORD ROAD, COLUMBIA, MARYLAND

SITE PLAN

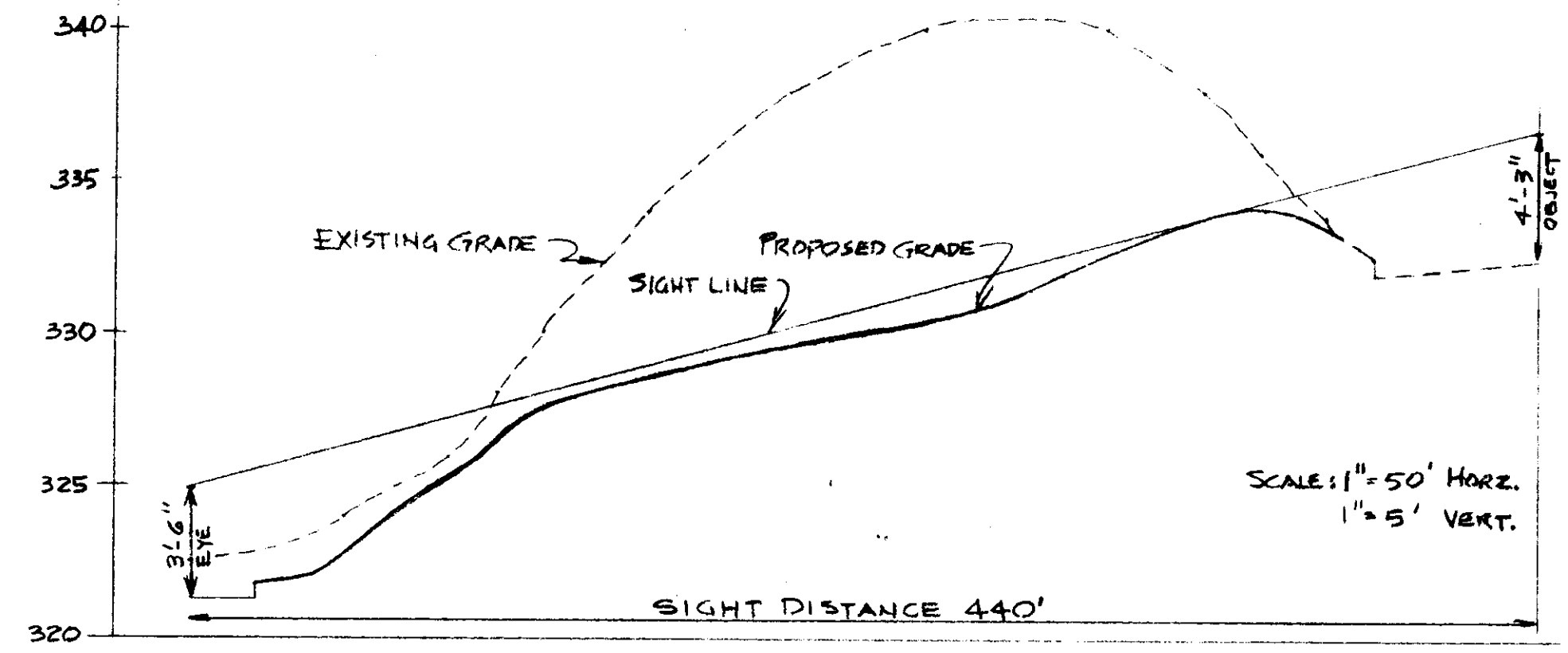
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 C-1

Date: 4/15/91

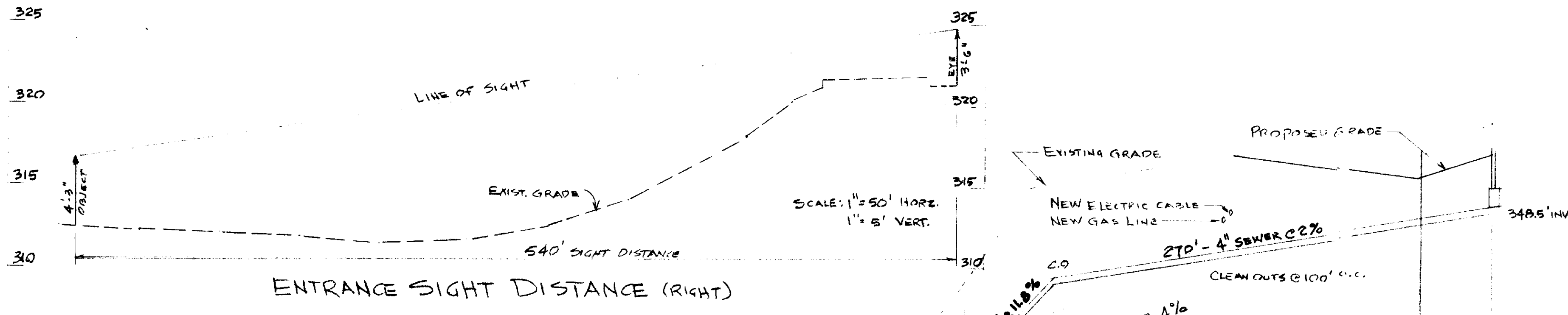
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE: 10-18-91

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DATE: 10/22/91

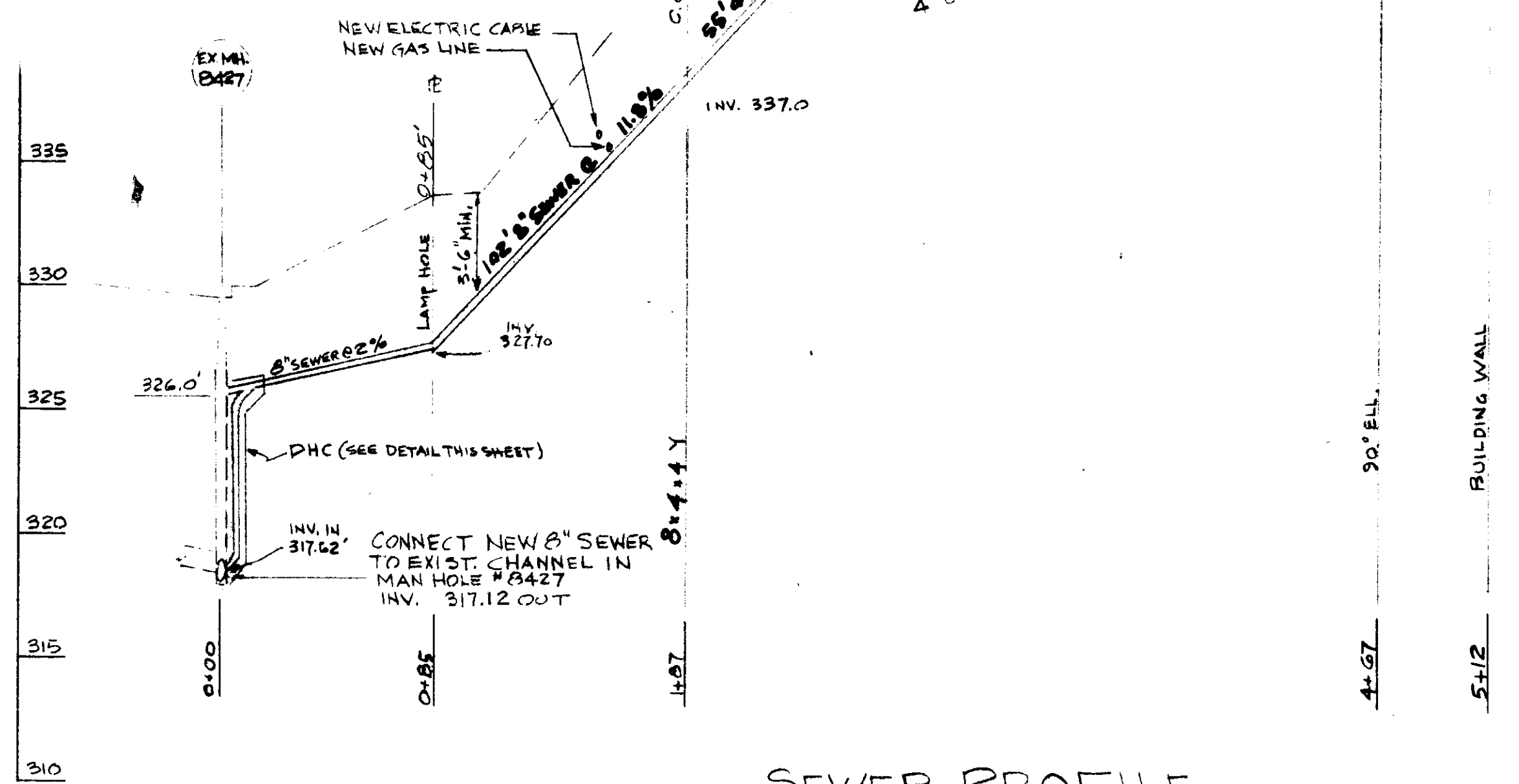
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE: 10/17/91



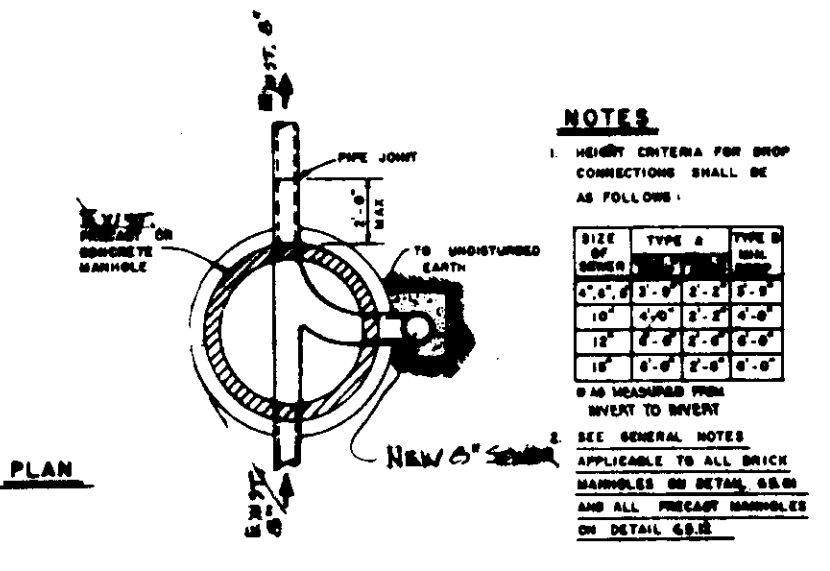
ENTRANCE SIGHT DISTANCE (LEFT)



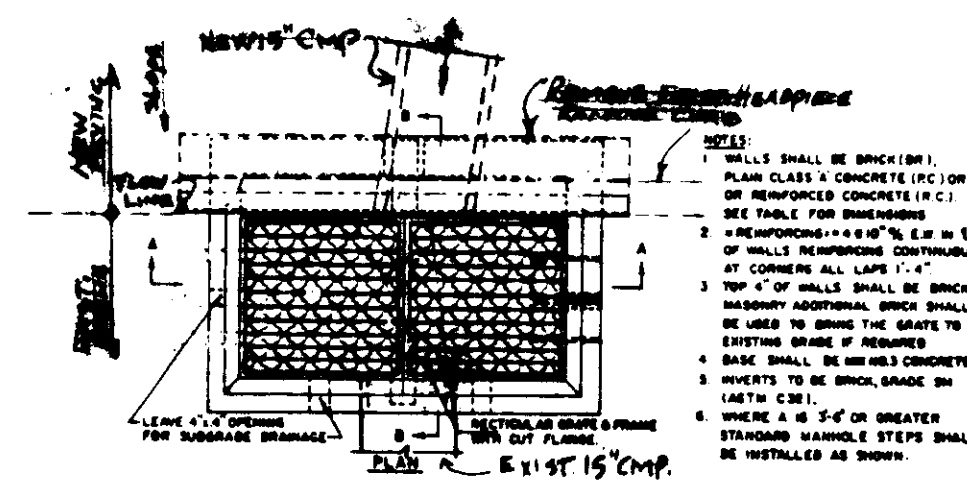
ENTRANCE SIGHT DISTANCE (RIGHT)



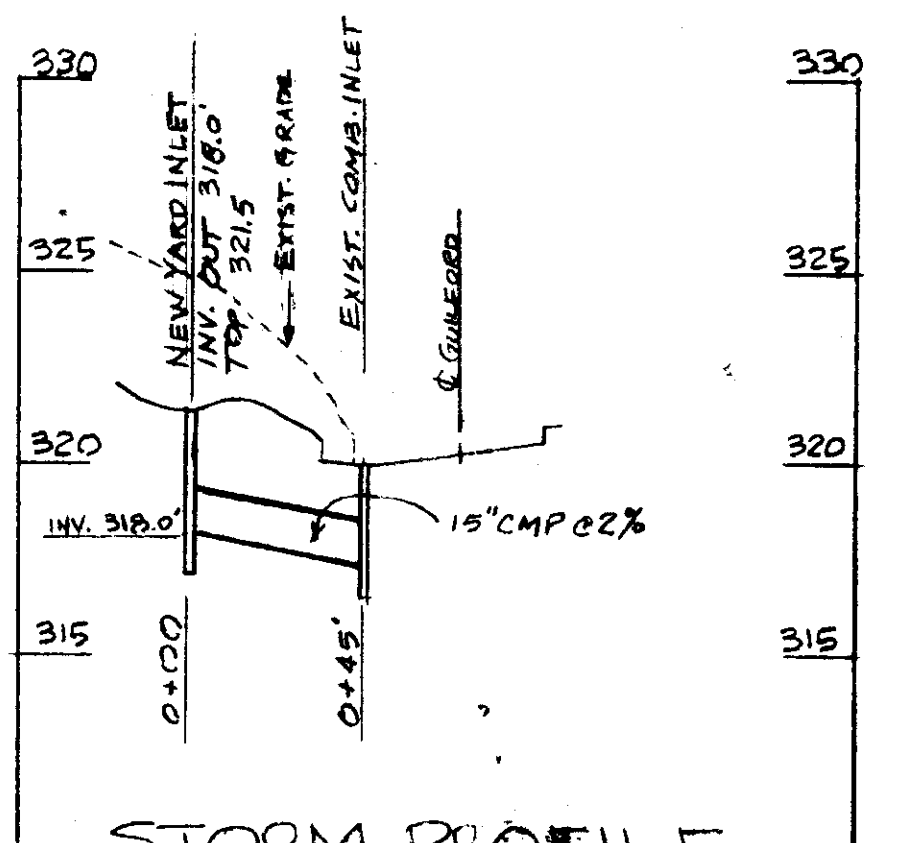
SEWER PROFILE
 SCALE: HORIZONTAL 1"=50'
 VERTICAL 1"=5'



EXISTING MANHOLE #8427
 NTS



EXISTING DOUBLE TYPE 3 COMB. INLET
 NTS



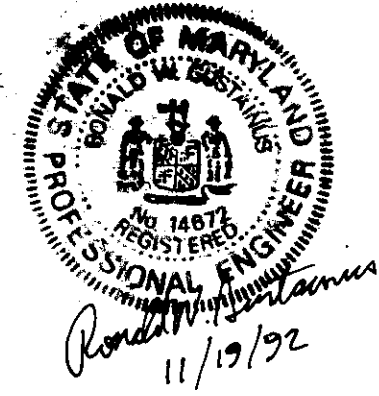
STORM PROFILE
 SCALE: HORIZONTAL 1"=50'
 VERTICAL 1"=5'

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 Norman L. Cooper 9-12-91

CARRIER:
 Trustees South Columbia Baptist Church
 8814 Guilford Road
 Columbia, Maryland 21045

ENGINEER:
 Norman L. Cooper
 P.E. #12522
 4377 Northview Drive
 Bowie, Maryland 20716
 (301) 262-6106

- GENERAL NOTES:
- AREA OF PROPERTY 9.786 Ac
 - PRESENT ZONING E-12
 - LIBER 1224, FOLIO 714
 - TAX MAP 42, PARCEL 55
 - ELECTION DISTRICT 6, HOWARD COUNTY, MARYLAND
 - CENSUS TRACT NO. 6068.01
 - WATER CODE: E-16
 - SEWER CODE: 5390000
 - SPECIAL EXCEPTION CASE NO. BA 90 46E GRANTED February 28, 1991
 - LOCAL COMMUNITY: VILLAGE OF KING'S CONTRIVANCE
 - PROPOSED USE: RELIGIOUS FACILITIES; USE GROUP M
 - CONSTRUCTION CLASSIFICATION TYPE 3A



AS BUILT
 APPROVED FOR PERMIT
 SIGHT DISTANCE PLANT
 DATE: 11/10/92
 8/15/91
 6/27/91
 4/19/91

MARYLAND CONSTRUCTION MANAGEMENT
 4377 NORTHVIEW DRIVE BOWIE, MARYLAND
 301-262-6106

SOUTH COLUMBIA BAPTIST CHURCH
 8814 GUILFORD ROAD COLUMBIA, MARYLAND

AS BUILT
 SITE UTILITIES

C-2

Date: 4/15/91

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY ENGINEERING DEPARTMENT

APPROVED: *[Signature]* DATE: 10/22/91

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DATE: 10/22/91

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE: 10/17/91

By the Developer:
 "I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Signature of Developer: *[Signature]* Date: 10/17/91
 Trustees South Columbia Baptist Church

By the Engineer:
 "I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Signature of Engineer: *[Signature]* Date: 4/15/91
 Norman L. Cooper
 #12522 P.E.

Review for Howard S.C.D. and meets Technical Requirements
 U.S. Soil Conservation Service Date: 10/07/91

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

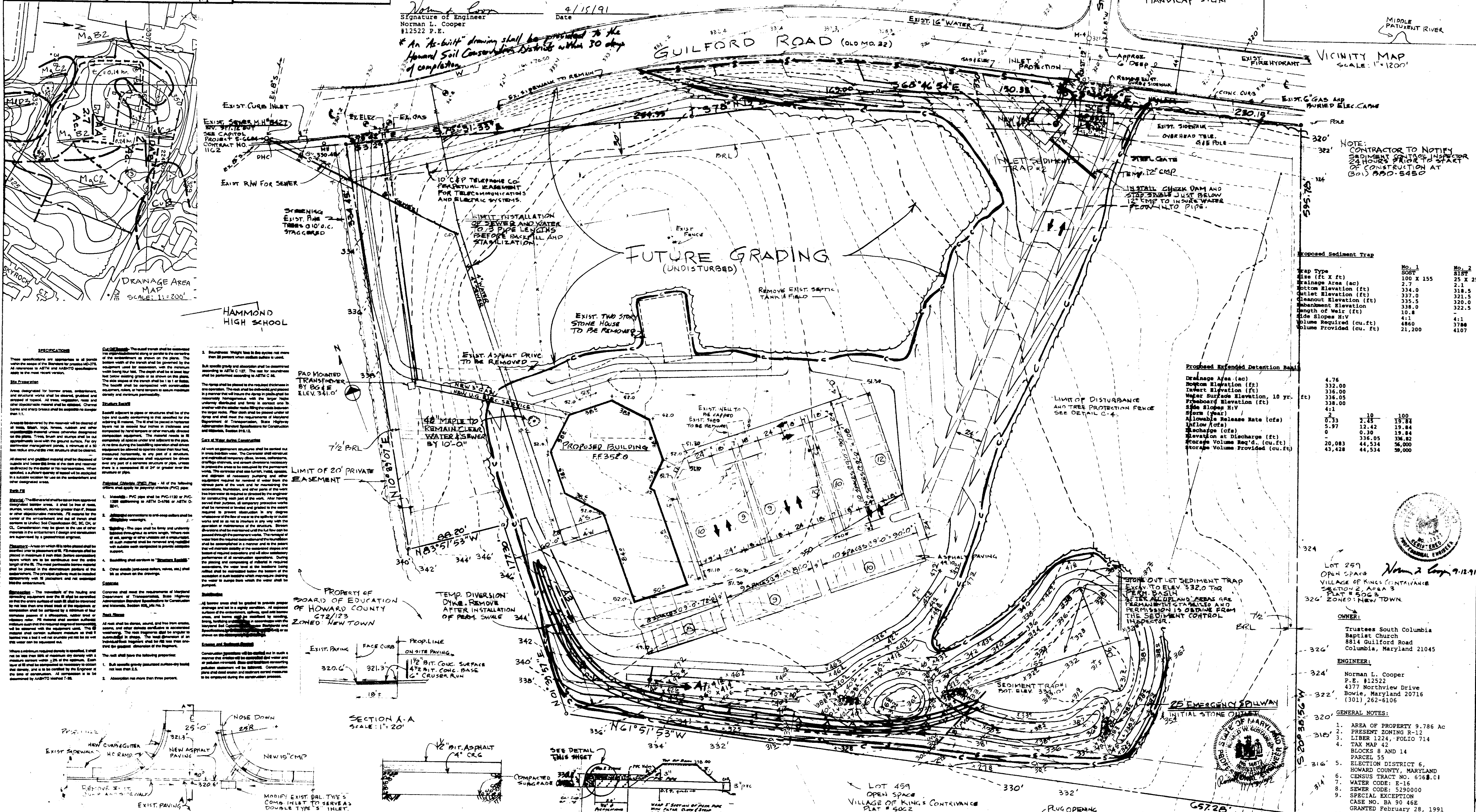
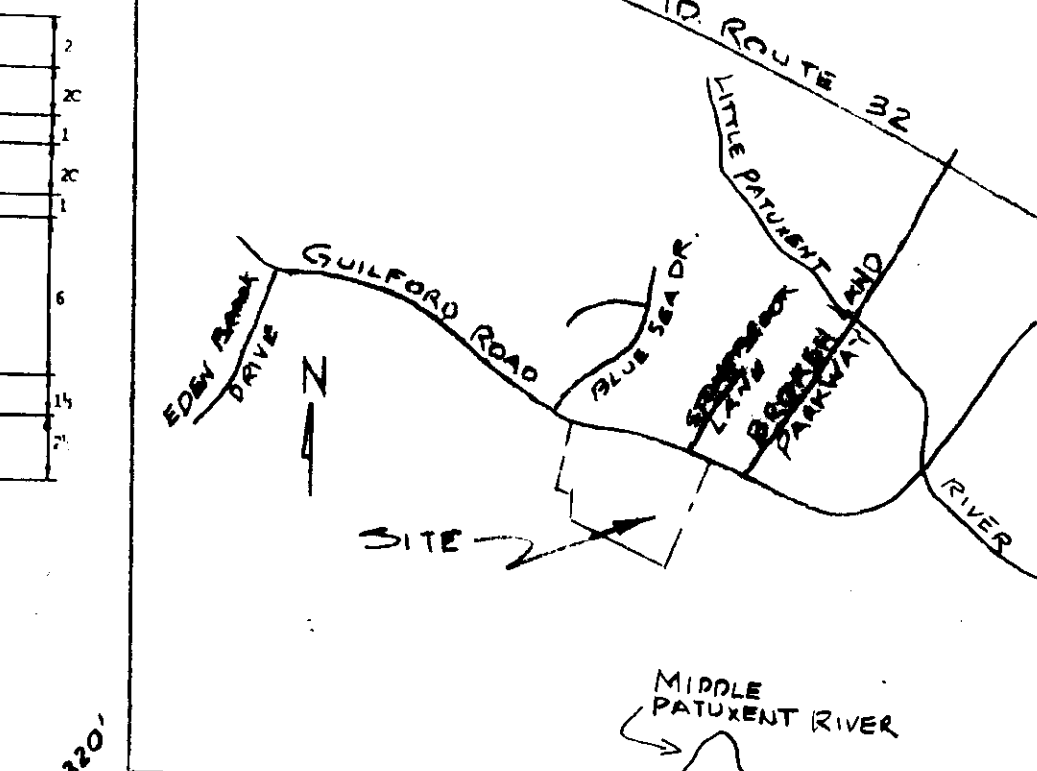
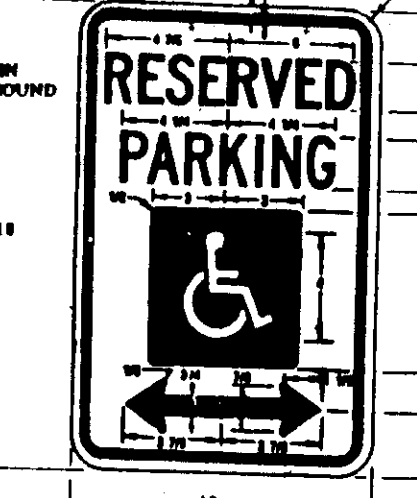
[Signature] Date: 10/17/91
 Howard S.C.D.

*AND SMALL POND CONSTRUCTION (G-3)

\$50 FINE

Sign to utilize an aluminum blank 6" x 12" x 0.080 inch thick with the (2) single post mounting holes. The text and border shall be standard green to match the 87-8 reserved parking sign and the background shall be reflective white. The text shall be 3" characters.

II. Mounting:
 The above fine sign shall be mounted underneath the below 87-8 reserved parking sign. The bottom edge shall be no less than 7 feet above ground. If the sign is placed against a building, structure or other location where vehicle or pedestrian traffic is not obstructed, the bottom edge of the sign shall be at least 6 feet, but no more than 10 feet above ground. Because this is in addition to existing sign installations, some adjustment in height will be necessary.



REQUIREMENTS

These specifications are applicable to all ponds within the scope of the Howard Soil Conservation District. All ponds shall be constructed in accordance with the most recent version.

Site Characteristics

Areas designated for storm water, sedimentation, and erosion control shall be designed and constructed in accordance with the specifications herein. The design shall be based on the site characteristics and shall be approved by the Howard Soil Conservation District.

Construction

Excavation shall be done in accordance with the specifications herein. The design shall be based on the site characteristics and shall be approved by the Howard Soil Conservation District.

Materials

All materials shall be of the highest quality and shall be approved by the Howard Soil Conservation District. The design shall be based on the site characteristics and shall be approved by the Howard Soil Conservation District.

Installation

The pond shall be installed in accordance with the specifications herein. The design shall be based on the site characteristics and shall be approved by the Howard Soil Conservation District.

Maintenance

The pond shall be maintained in accordance with the specifications herein. The design shall be based on the site characteristics and shall be approved by the Howard Soil Conservation District.

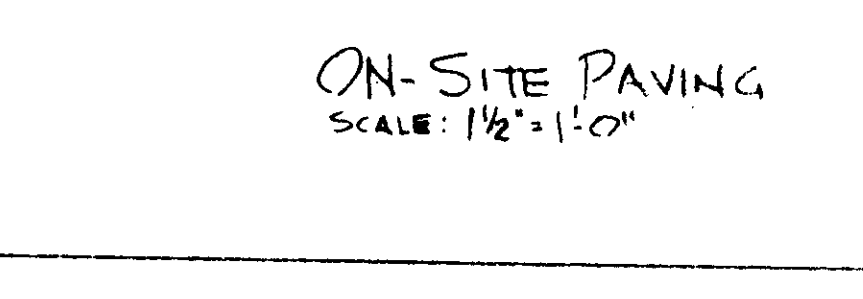
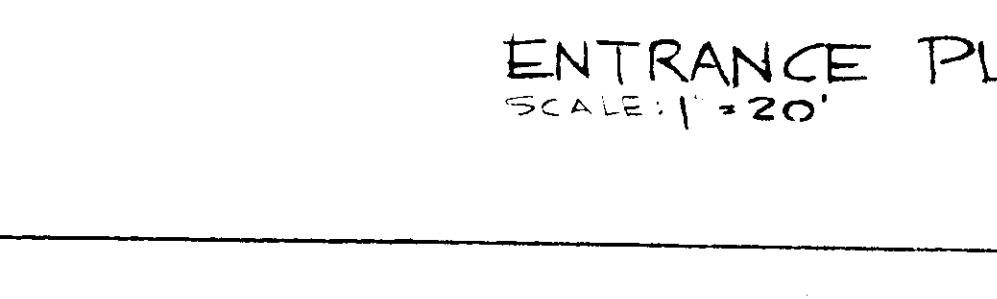
NOTE: CONTRACTOR TO NOTIFY SEDIMENT CONTROL INSPECTOR 24 HOURS BEFORE START OF CONSTRUCTION AT (301) 262-5450

Proposed Sediment Trap

Trap Type	No. 1	No. 2
Trap Size (ft x ft)	100 X 155	25 X 25
Drainage Area (ac)	2.7	2.1
Bottom Elevation (ft)	334.0	331.5
Outlet Elevation (ft)	337.0	335.5
Cleanout Elevation (ft)	335.5	332.5
Retention Elevation	338.0	
Length of Weir (ft)	10.8	4.1
Side Slopes (H:V)	4:1	4:1
Volume Required (cu. ft.)	4860	3780
Volume Provided (cu. ft.)	21,200	4107

Proposed Expanded Detention Basin

Drainage Area (ac)	4.76
Bottom Elevation (ft) <td>332.00</td>	332.00
Inlet Elevation (ft) <td>336.00</td>	336.00
Outlet Elevation (ft) <td>336.05</td>	336.05
Proposed Elevation, 10 yr. Flood (ft) <td>338.00</td>	338.00
Side Slopes (H:V) <td>4:1</td>	4:1
Allowable Release Rate (cfs) <td>0.33</td>	0.33
Retention (hrs) <td>2.45</td>	2.45
Volume (cu. ft.) <td>5.97</td>	5.97
Volume at discharge (cu. ft.) <td>12.42</td>	12.42
Elevation at discharge (ft) <td>0.30</td>	0.30
Storage Volume Required (cu. ft.) <td>336.05</td>	336.05
Storage Volume Provided (cu. ft.) <td>20,083</td>	20,083
<td>44,534</td>	44,534
<td>59,000</td>	59,000



AS BUILT
 APD FOR PERMIT
 REV. FOR PERMIT APPL
 REV. FOR PERMIT APPL
 REV. FOR PERMIT APPL

MARYLAND CONSTRUCTION MANAGEMENT
 4377 NORTHVIEW DRIVE BOWIE, MARYLAND 20746
 301-262-6106

SOUTH COLUMBIA BAPTIST CHURCH
 8814 GULFORD ROAD COLUMBIA, MARYLAND

SWMP AS BUILT SEDIMENT CONTROL PLAN

C-3

Date: 4/15/91

FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
DATE: 10/22/91

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 10/17/91

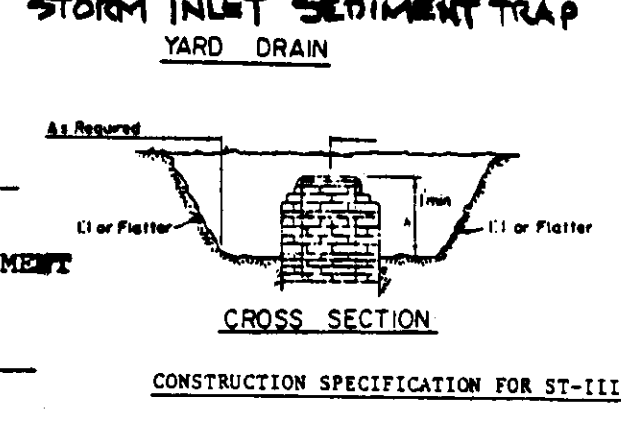
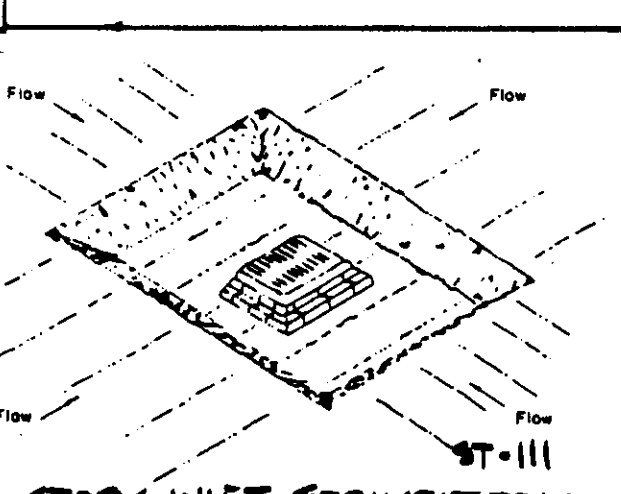
- The volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage.
- The structure shall be inspected after each rain and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
- The sediment trap shall be removed and the area stabilized when the constructed drainage area has been properly stabilized.
- All cut slopes shall be 1:1 or flatter.

Maximum Drainage Area: 3 Acres

Review for Howard S.C.D. and meet technical requirements
U.S. Soil Conservation Service
Date: 10/07/91

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Date: 10/7/91

By the Engineer:
Signature of Engineer
Norman L. Cooper
#12522 P.E.



CONSTRUCTION SPECIFICATION FOR ST-III

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

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) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disk 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).
- 2.) 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 disk 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 (1.2 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 1 lb per acre (.05 lbs/1000 sq ft) of weeping lovegrass. 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 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 reseedings.

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

Soil Amendments: -- Apply 60 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 October 15, seed with 2-1/2 bushel per 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 weeping lovegrass (.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 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, disking or other acceptable means before seeding, if not previously loosened.

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Seeded Preparation: -- Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

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Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

STANDARD AND SPECIFICATIONS FOR TOPSOILING

Definition
Placement of topsoil over a prepared subsoil prior to establishment of vegetation.

Purpose
To provide a suitable soil medium for vegetative growth on areas with low moisture, low nutrient levels, low pH, or the presence of other materials toxic to plants.

Conditions Where Practice Applies

1. The texture of the exposed subsoil or parent material is not suitable to produce adequate vegetative growth.
2. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
3. The original soil to be vegetated contains material toxic to plant growth.
4. The soil is so acid that treatment with limestone is not feasible.

This practice is recommended for sites of 2:1 or flatter slopes where:

Section I - Site Preparation (Where Topsoil is to be added)

- A. When topsoiling, maintain needed erosion and sediment control practices such as diversions, grade stabilization structures, berms, dikes, waterways and sediment basins.
- B. Grading grades on the areas to be topsoiled which have been previously established shall be maintained.
- C. **Liming:** where the subsoil is either highly acid or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1000 square feet). Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.
- D. **Tilling:** After the areas to be topsoiled have been brought to grade, and immediately prior to dumping and spreading the topsoil, the subgrade shall be loosened by disking or by scarifying to a depth of at least 3 inches to permit bonding of the topsoil to the subsoil. Pack by passing a bulldozer up and down over the entire surface area of the slope to create horizontal erosion check slots to prevent topsoil from sliding down the slope.

Section II - Topsoil Material and Application

Note: Topsoil salvaged from the existing site may often be used but it should meet the same standards as set forth in these specifications. The depth of topsoil to be salvaged shall be no more than the depth described as a representative profile for that particular soil type as described in the soil survey published by USDA-SCS in cooperation with Maryland Agricultural Experimental Station.

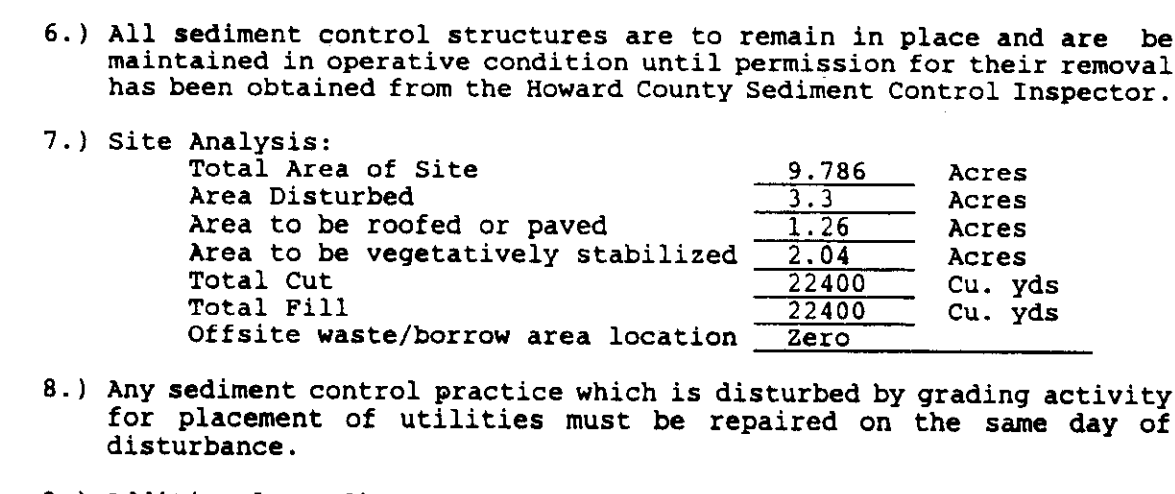
- A. **Materials:** Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand or other soil as approved by an agronomist or soil scientist. It shall not have a mixture of contrasting textured subsoil and contain no more than 5 percent by volume of clinders, stones, slag, coarse fragment, gravel, sticks, roots, trash or other extraneous materials larger than 1 1/2 inches in diameter. Topsoil must be free of plants or plant parts of bermudagrass, quackgrass, Johnsongrass, nutgrass, poison ivy, thistles, or others as specified. All topsoil shall be tested by a recognized laboratory for organic matter content, pH and soluble salts. A pH of 6.0 to 7.5 and an organic content of not less than 1.5 percent by weight is required. If pH value is less than 6.0, lime shall be applied and incorporated with the topsoil to adjust the pH to 6.5 or higher. Topsoil containing soluble salts greater than 500 parts per million shall not be used.

No sod or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed to permit dissipation of toxic materials.

Note: Topsoil substitutes or amendments as approved by a qualified agronomist or soil scientist, may be used in lieu of natural topsoil.

SEDIMENT CONTROL NOTES

- 1.) 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. (892-2437)
- 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 EROSION AND SEDIMENT CONTROL.
- 3.) Following initial soil disturbance or redistribution.
- 4.) 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.
- 5.) 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 seedings (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone may only be done when recommended seedings 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 Control Inspector.
- 7.) **Site Analysis:**
Total Area of Site: 9.786 Acres
Area Disturbed: 3.3 Acres
Area to be roofed or paved: 2.8 Acres
Area to be vegetatively stabilized: 2.04 Acres
Total Cut: 22400 Cu. yds
Total Fill: 14900 Cu. yds
Offsite waste/borrow area location: 2810
- 8.) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- 9.) Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
- 10.) On all sites with disturbed areas in excess of 2 acres, approval of ins. 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.



CONSTRUCTION SEQUENCE

The contractor or developer shall contact the construction inspection division 24 hours in advance of commencement of work # 792-2722.

Obtain Permit

Day 1 Hold on-site preconstruction meeting with county inspectors.

Day 2-14 Initial construction shall be sediment control measures: stabilized construction entrance, silt fences, dewatering device, sediment traps, stone outlet, drainage swales, temporary diversion dykes, silt inlet and vegetative stabilization. PWS 3" PVC during initial installation. Inspection and approval by county inspectors.

Day 15 Complete all other construction (building, parking lot, utilities).

Day 271 Apply vegetative stabilization to all disturbed areas and apply top permanent seeding to undisturbed areas.

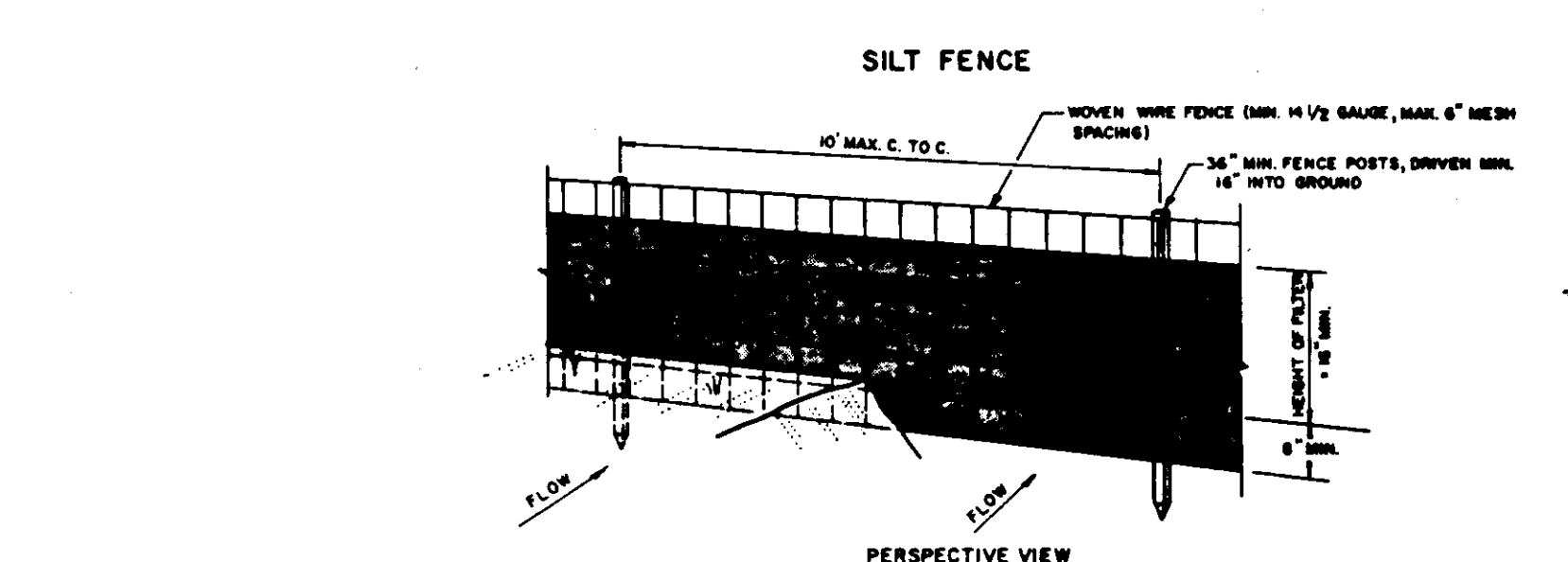
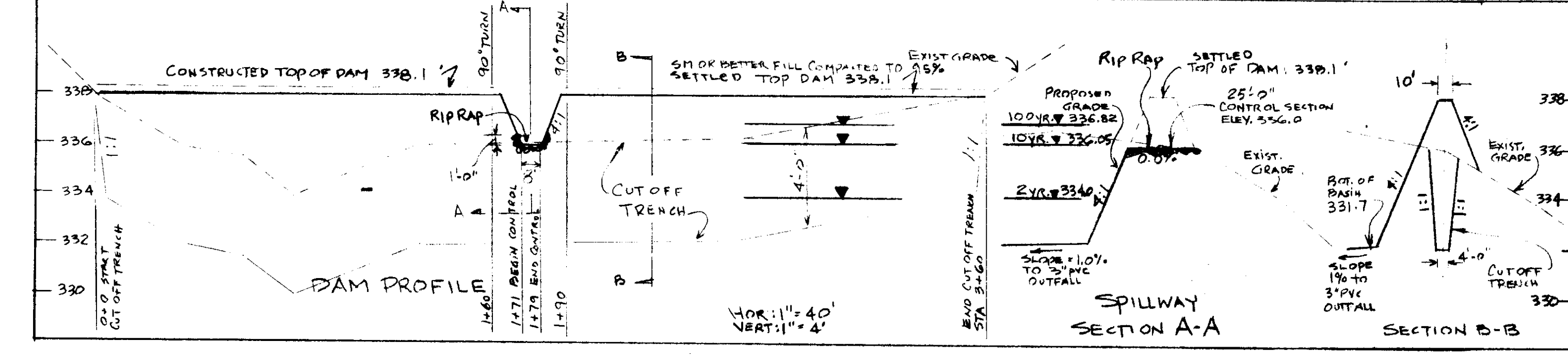
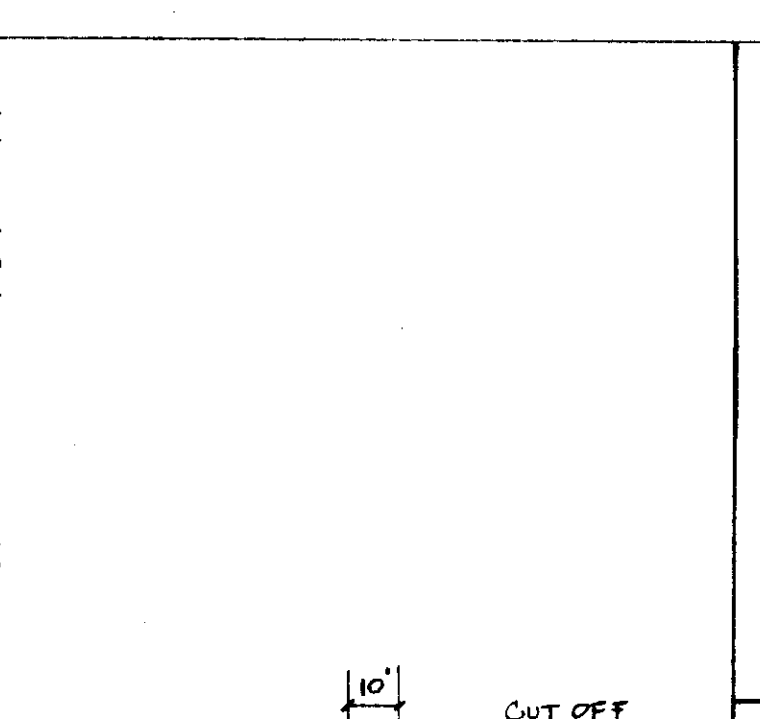
Day 278 Complete extended detention basin by deepening sediment basin to elevation 332.0. Slope bottom to 1" pvc outlet and activate discharge line. 0.4444 3" pvc. Inspection and approval by county inspectors.

Day 279 Inspection and approval by county inspectors.

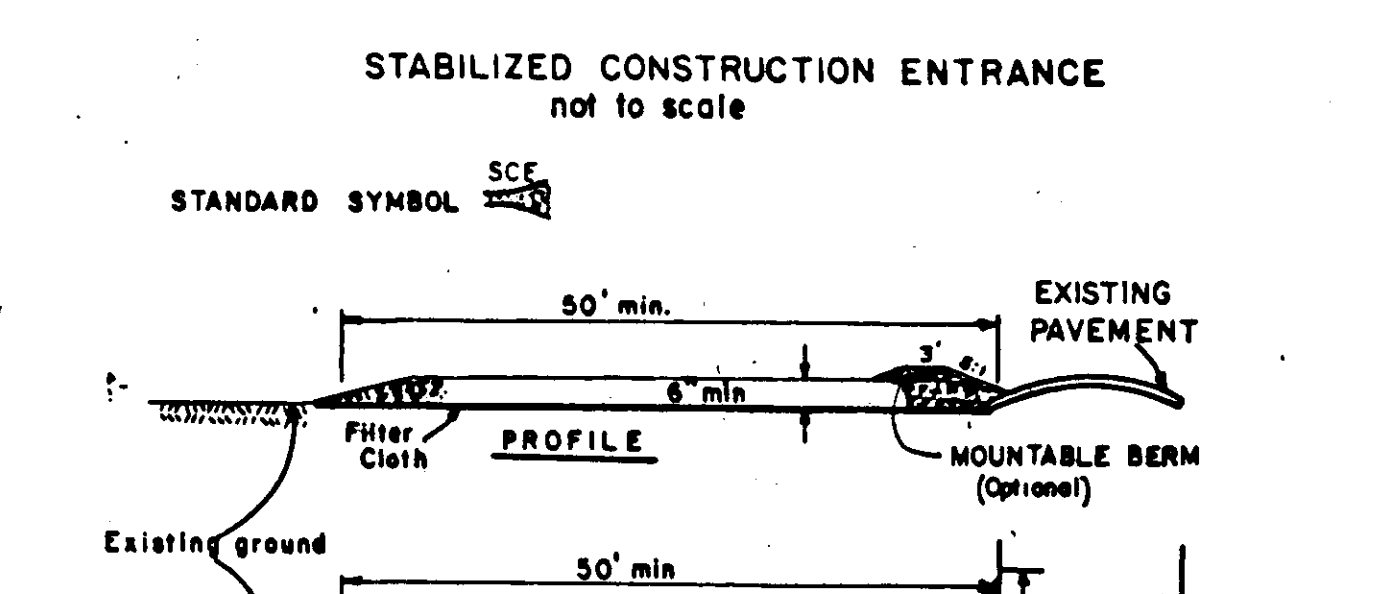
Day 280 Remove silt fences.

SEDIMENT CONTROL

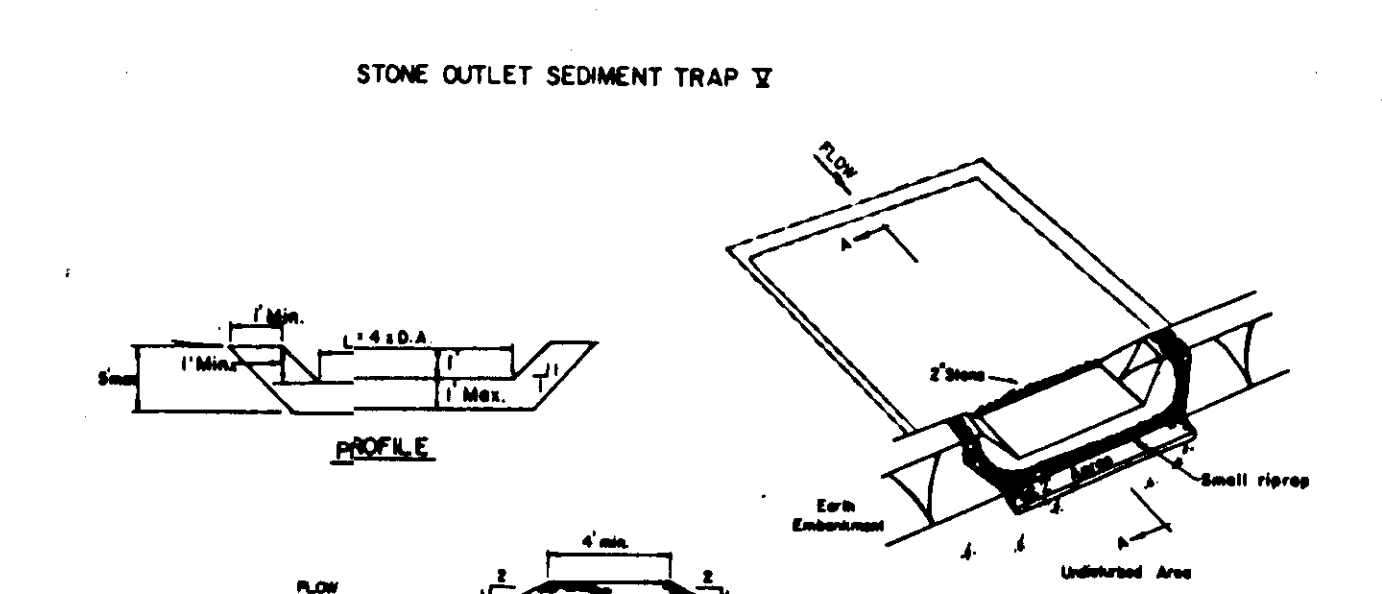
By the Developer:
"I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."
Signature of Developer
Trustees South Columbia Baptist Church
Date: 10/15/91



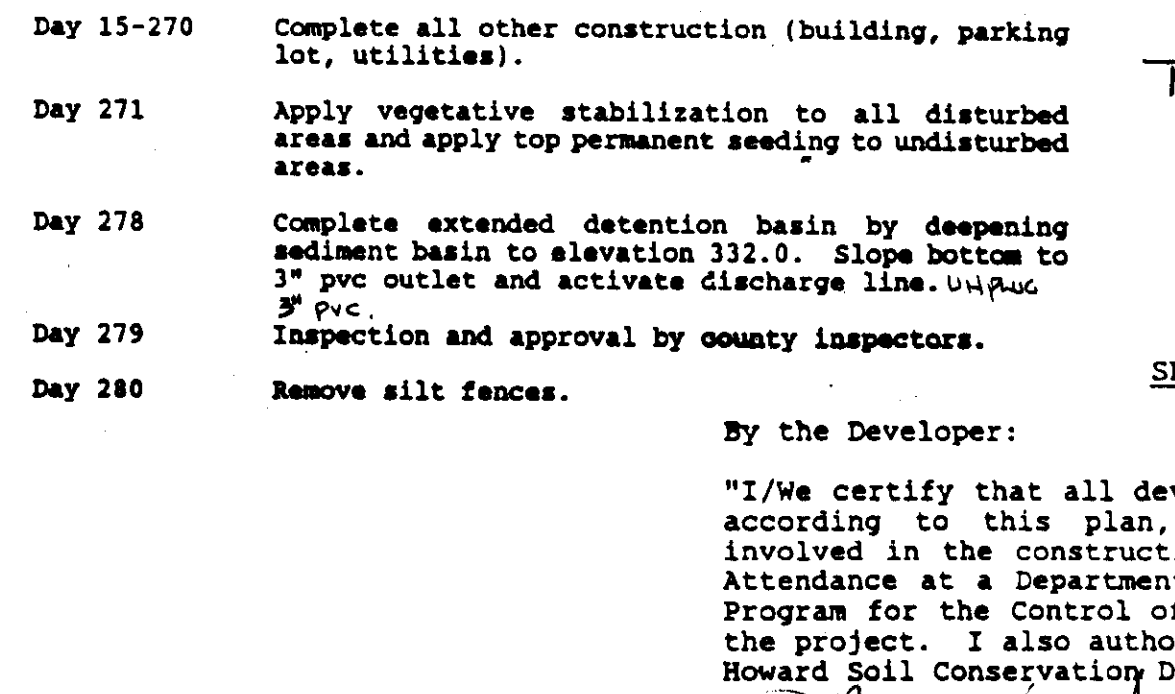
1. Woven wire fence to be fastened securely to fence posts with wire ties or staples.
 2. Filter cloth to be fastened securely to woven wire fence with ties spaced every 20' at top and mid section.
 3. When two sections of filter cloth adjoin each other they shall be overlapped by six inches and folded.
 4. Maintenance shall be performed as needed and material removed when bulges develop in the silt fence.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
FENCE: WOVEN WIRE, 1/4" GA. 6" MAX. MESH OPENING
FILTER CLOTH: FILTER X (TRAFALON), STABILINKA TILAN OR APPROVED EQUAL
PREFABRICATED UNIT: GEOFAB, ENVIRONMENT, OR APPROVED EQUAL



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 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. 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 berm with 5:1 slopes will be permitted.
7. 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.
8. 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.
9. Periodic inspection and needed maintenance shall be provided after each rain.



- OPTION:** A one foot layer of 2" stone may be placed on the upstream side of the riprap in place of the embedded filter cloth.
1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
 2. The fill material for the embankment shall be free of roots and other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
 3. All cut and fill slopes shall be 2:1 or flatter.
 4. The stone used in the outlet shall be small riprap 4"-8" along with a 1' thickness of 2" aggregate placed on the up-grade side on the small riprap or embedded filter cloth in the riprap.
 5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/4 the design depth of the trap.
 6. The structure shall be inspected after each rain and repairs made as needed.
 7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 8. The structure shall be removed and the area stabilized when the drainage area is properly stabilized.
- Maximum Drainage Area: 5 Acres



1. ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
5. EARTH DIKES SHALL HAVE OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ESSENTIALLY STABILIZED.
6. STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.

FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELSION: 500-2000 STONE
3	5.1-8.0%	SEED WITH JUTE, OR SOD; STONE	LINED RIP-RAP 4"-8"
4	8.1-20%	LINED RIP-RAP 4"-8"	ENGINEERING DESIGN

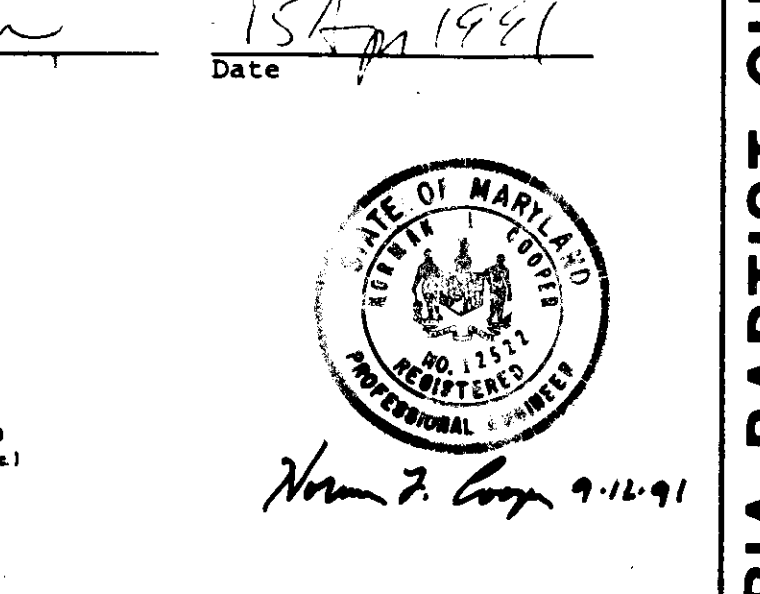
A. Stone to be 2 inch stone, or recycled concrete equivalent, in a layer at least 3 inches in thickness and be pressed into the soil with construction equipment.
B. Rip-rap to be 4-8 inches in a layer at least 6 inches thickness and pressed into the soil.
C. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

OWNER:
Trustees South Columbia Baptist Church
8814 Guilford Road
Columbia, Maryland 21045

ENGINEER:
Norman L. Cooper
P.E. #12522
4377 Northview Drive
Bowling, Maryland 20716
(301) 262-6106

GENERAL NOTES:

1. AREA OF PROPERTY 9.786 AC
2. PRESENT ZONING R-12
3. LIBER 1224, FOLIO 714
4. TAX MAP 42 BLOCKS 8 AND 14 PARCEL 55
5. ELECTION DISTRICT 6, HOWARD COUNTY, MARYLAND
6. CENSUS TRACT NO. 6068.03
7. WATER CODE: E-16
8. SEWER CODE: 5290000
9. SPECIAL EXCEPTION CASE NO. BA 90 46E GRANTED FEBRUARY 28, 1991
10. LOCAL COMMUNITY: VILLAGE OF KING'S CONTRIVANCE
11. PROPOSED USE: RELIGIOUS FACILITIES; USE GROUP A4
12. CONSTRUCTION CLASSIFICATION TYPE 3A
13. DISTURBED AREA 3.3 AC.
14. VOLUME OF SPOIL = 2820
15. VOLUME OF BORROW = ZERO



4066

C-4

Date: 4/15/91

SDP-91-108

MARYLAND CONSTRUCTION MANAGEMENT
4377 NORTHVIEW DRIVE BOWIE, MARYLAND
301-262-6106

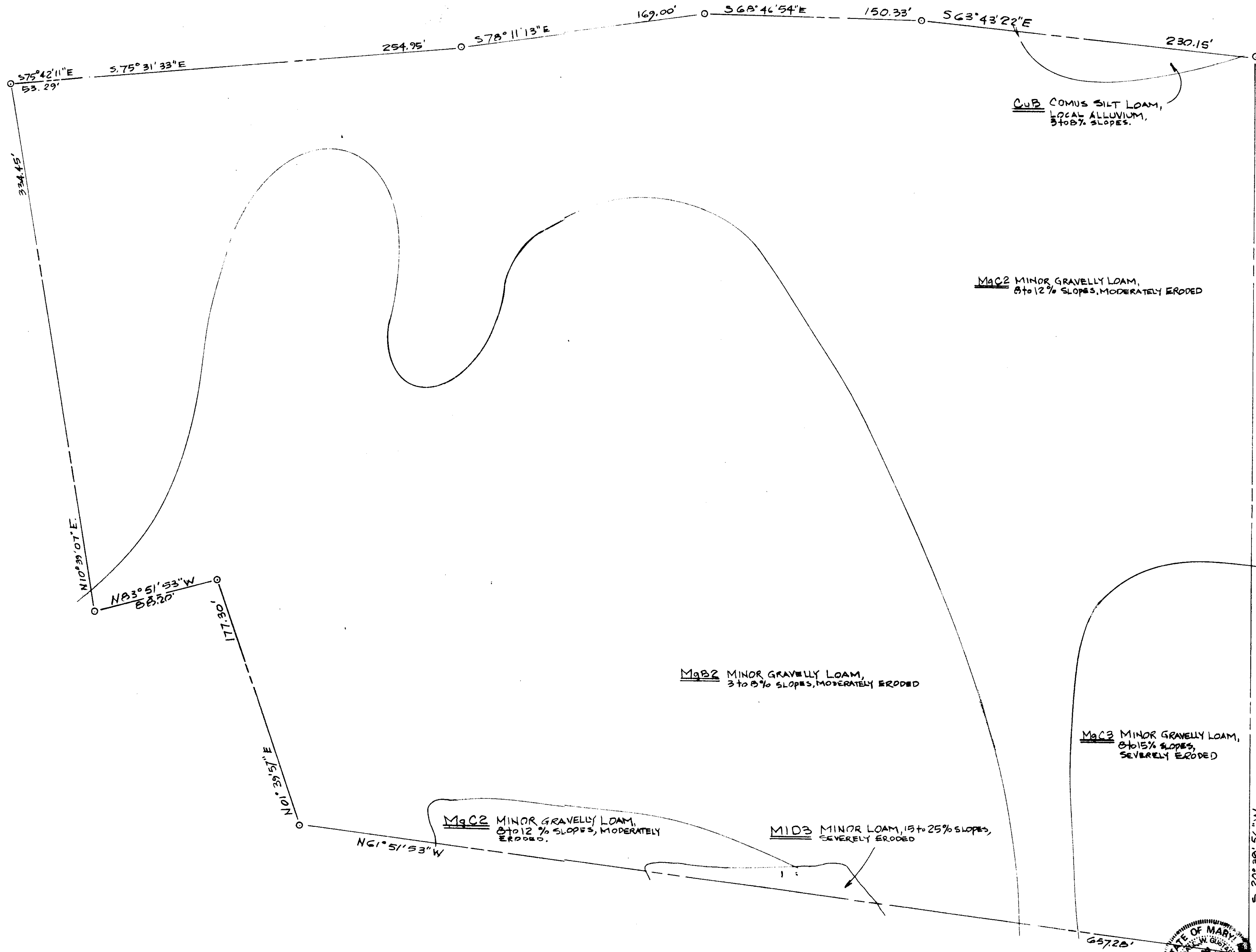
SOUTH COLUMBIA BAPTIST CHURCH
8814 GUILFORD ROAD COLUMBIA, MARYLAND

SEDIMENT CONTROL NOTES/DETAILS

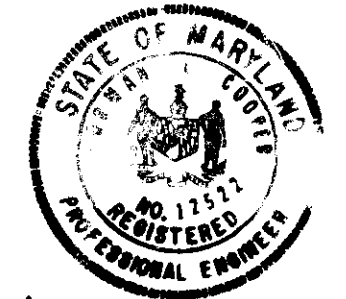
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

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



SOILS MAP
SCALE: 1" = 40'



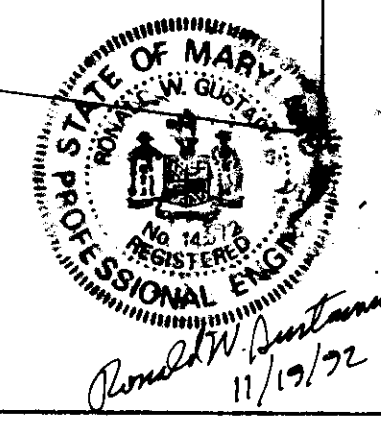
Norman J. Cooper
9-11-91

NO HYDRIC SOILS EXISTING.

OWNER:
Trustees South Columbia Baptist Church
8814 Guilford Road
Columbia, Maryland 21045

ENGINEER:
Norman L. Cooper
P.E. #12522
4377 Northview Drive
Bowie, Maryland 20716
(301) 262-6106

- GENERAL NOTES:
- AREA OF PROPERTY 9.786 Ac
 - PRES. ZONING R-12
 - LIBER 1224, FOLIO 714
 - TAX MAP 42, PARCEL 55
 - ELECTION DISTRICT 6, HOWARD COUNTY, MARYLAND
 - CENSUS TRACT NO. 6068.01
 - WATER CODE: 2-16
 - SEWER CODE: 5-10-10
 - SPECIFIC EXCEPTION CASE NO. BA 90 462 GRANTED February 28, 1991
 - LOCAL COMMUNITY: VILLAGE OF KING'S CONSERVANCE
 - PROPOSED USE: RELIGIOUS FACILITY, USE GROUP 44
 - CONSTRUCTION CLASSIFICATION TYPE 3A
 - DISTURBED AREA 6.4 AC.
 - VOLUME OF SPOIL = ZERO
 - VOLUME OF BORROW = ZERO



MARYLAND CONSTRUCTION MANAGEMENT
4377 NORTHVIEW DRIVE BOWIE, MARYLAND
301-262-6106

SOUTH COLUMBIA BAPTIST CHURCH
8814 GUILFORD ROAD COLUMBIA, MARYLAND

C-5

Date: 4/15/91

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

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

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

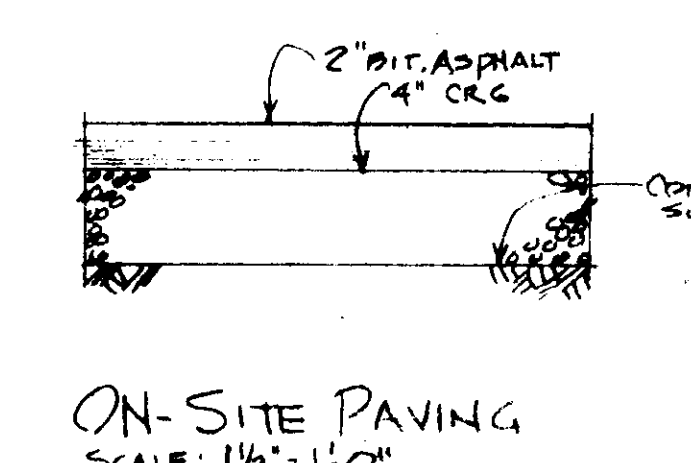
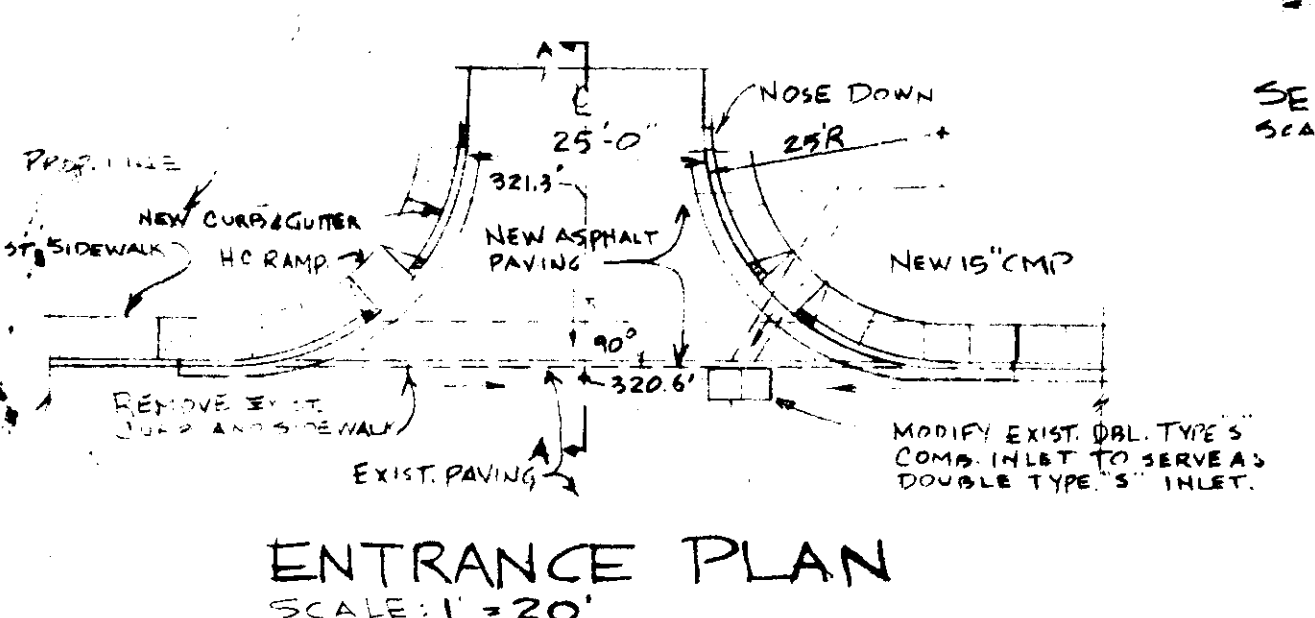
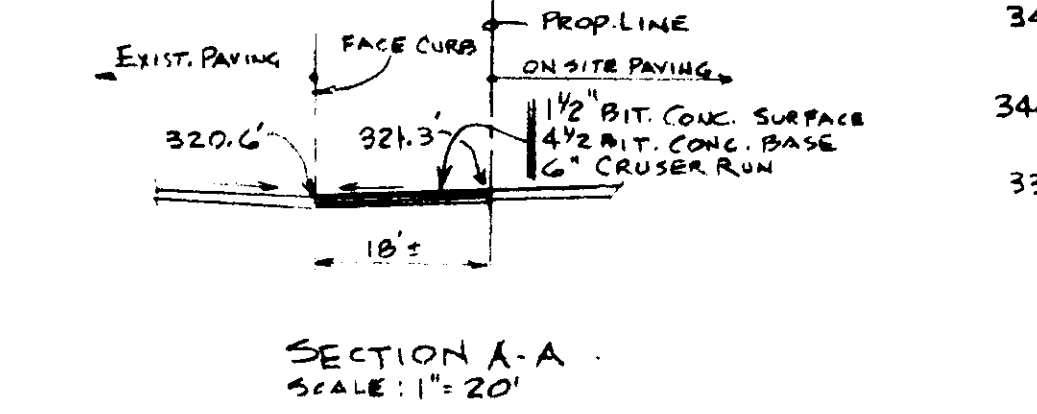
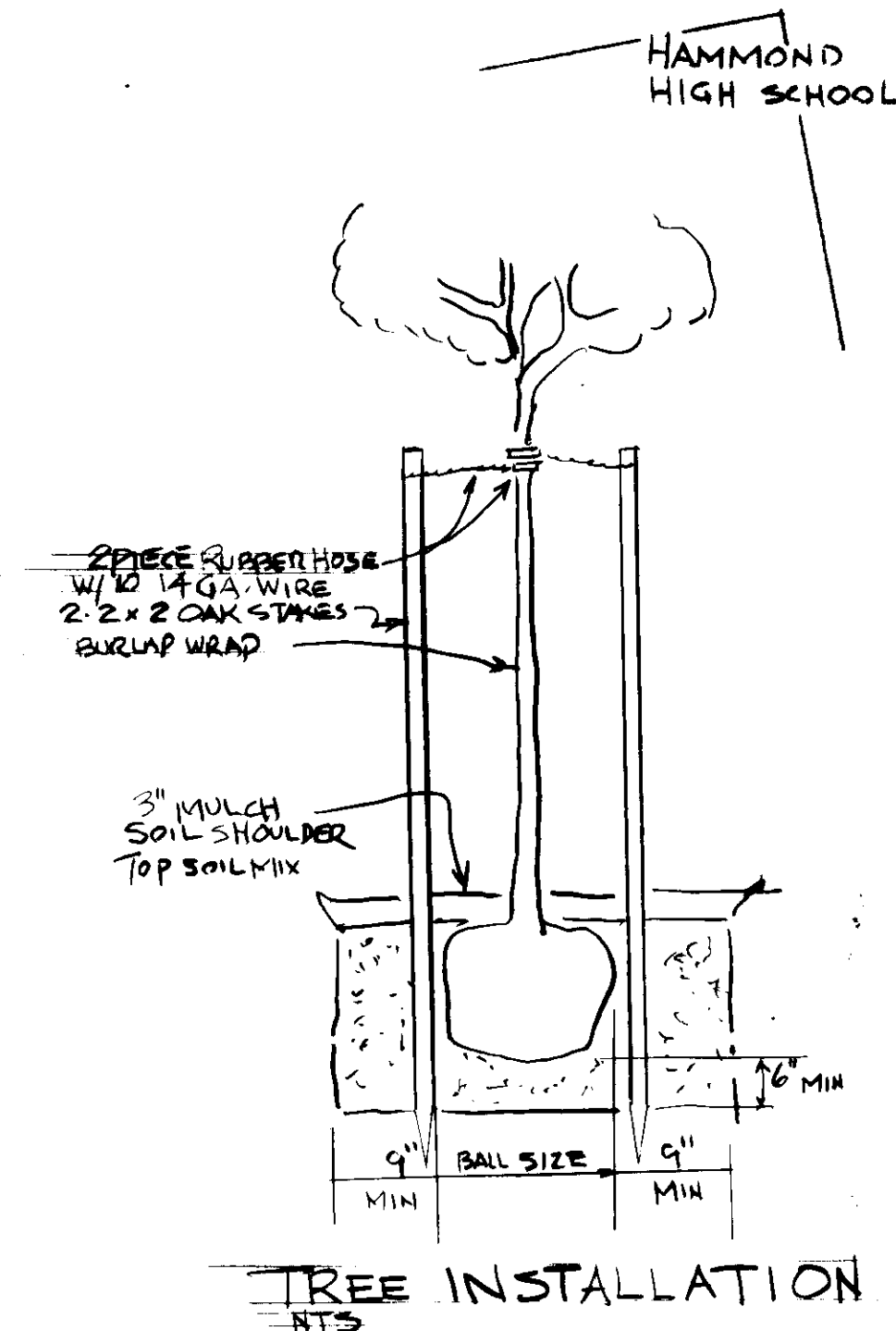
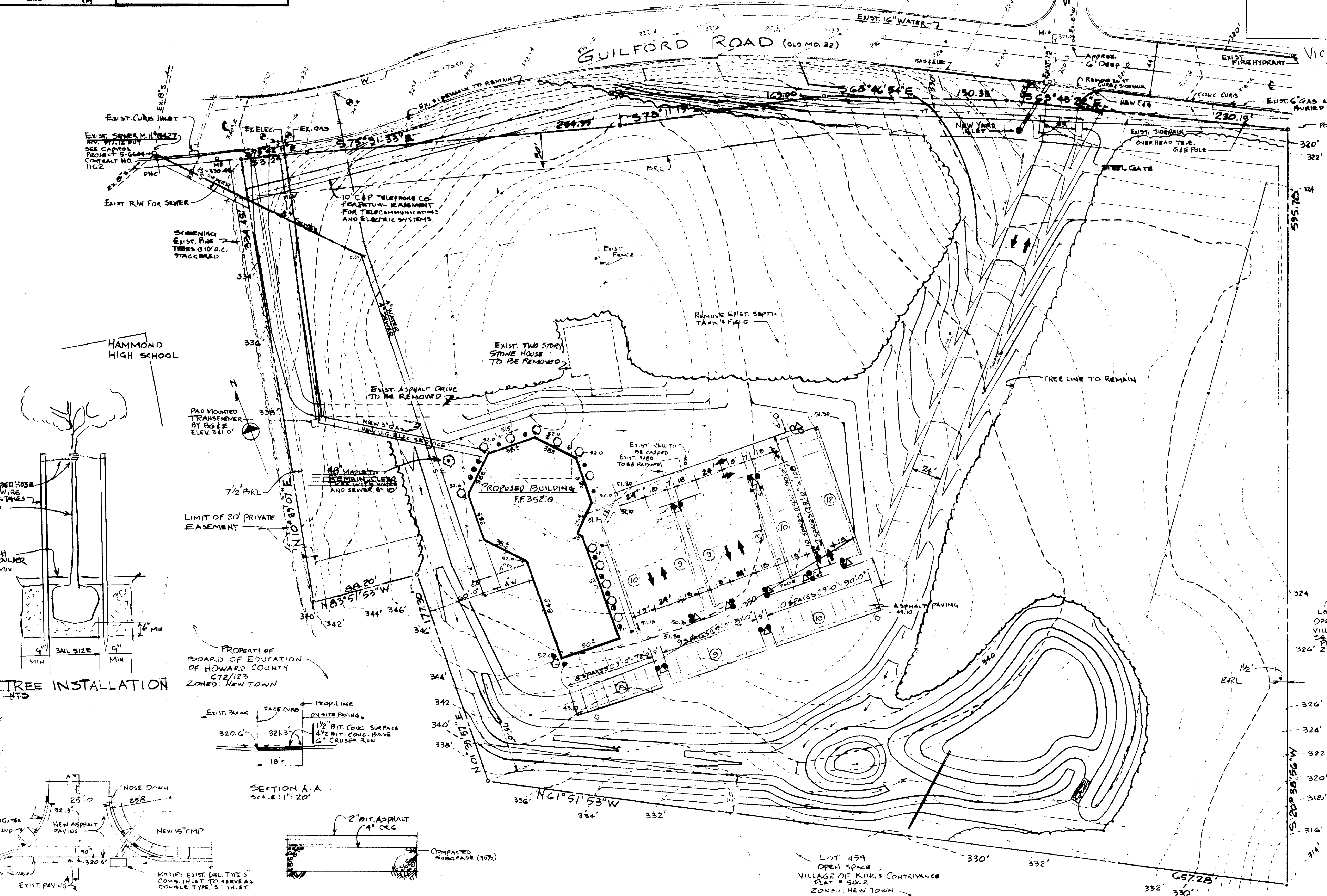
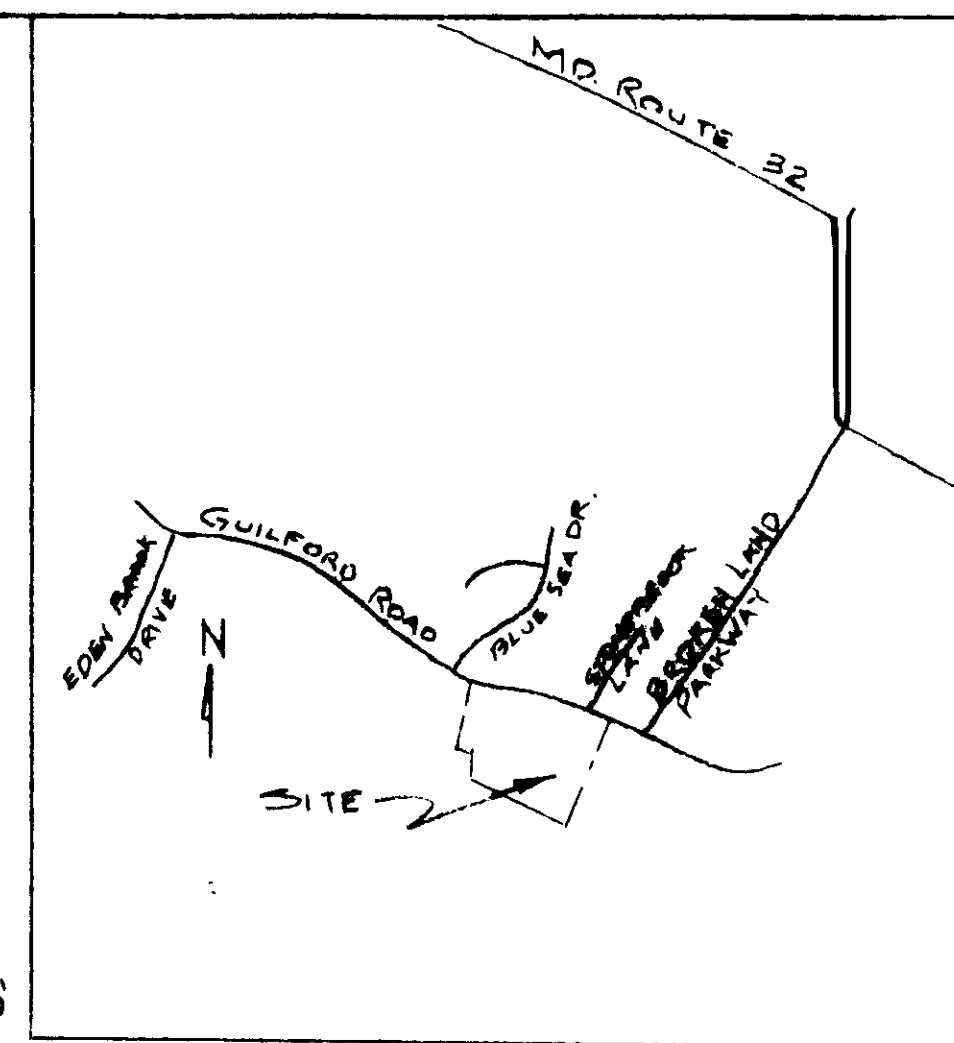
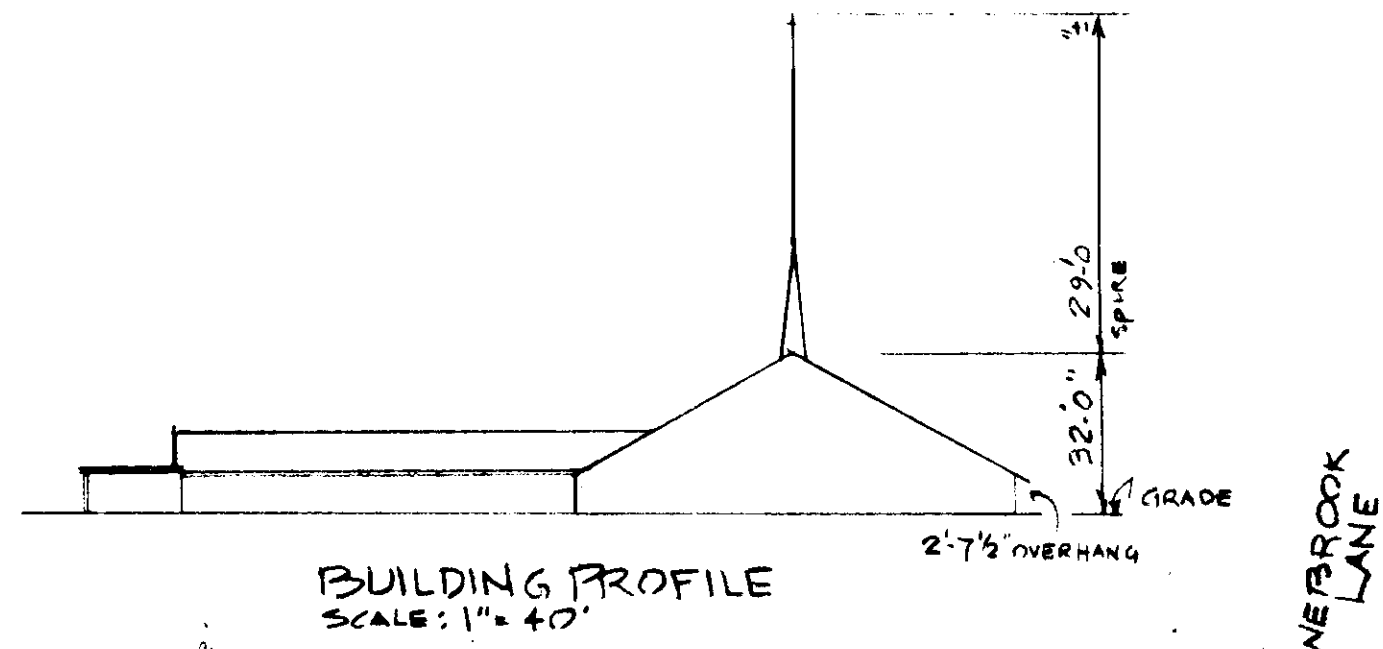
DATE: 10/22/91

DATE: 11/2/91

DATE: 10/17/91

PLANT SCHEDULE

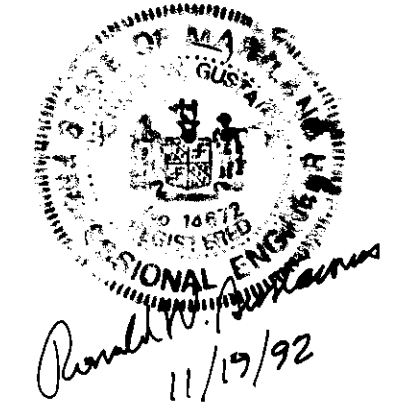
SYMBOL	QUANTITY	COMMON NAME	LATIN NAME	PREPARATION	SIZE
△	10	WILLOW OAK		B4B	2 1/2"
○	13	JUNIPER (WICHITABA)	JUNIPERUS SCOPULORUM	B4B	4"
◇	2	WHITE PINE	PINUS STROBUS	B4B	6"



LANDSCAPING PLAN
 SCALE: 1" = 40'

MARYLAND CONSTRUCTION MANAGEMENT
 4377 NORTHVIEW DRIVE, BOWIE, MARYLAND 20746
 1-262-6106

SOUTH COLUMBIA BAPTIST CHURCH
 3814 GUILFORD ROAD, COLUMBIA, MARYLAND
LANDSCAPING PLAN



C-6
 Date: 4/15/91