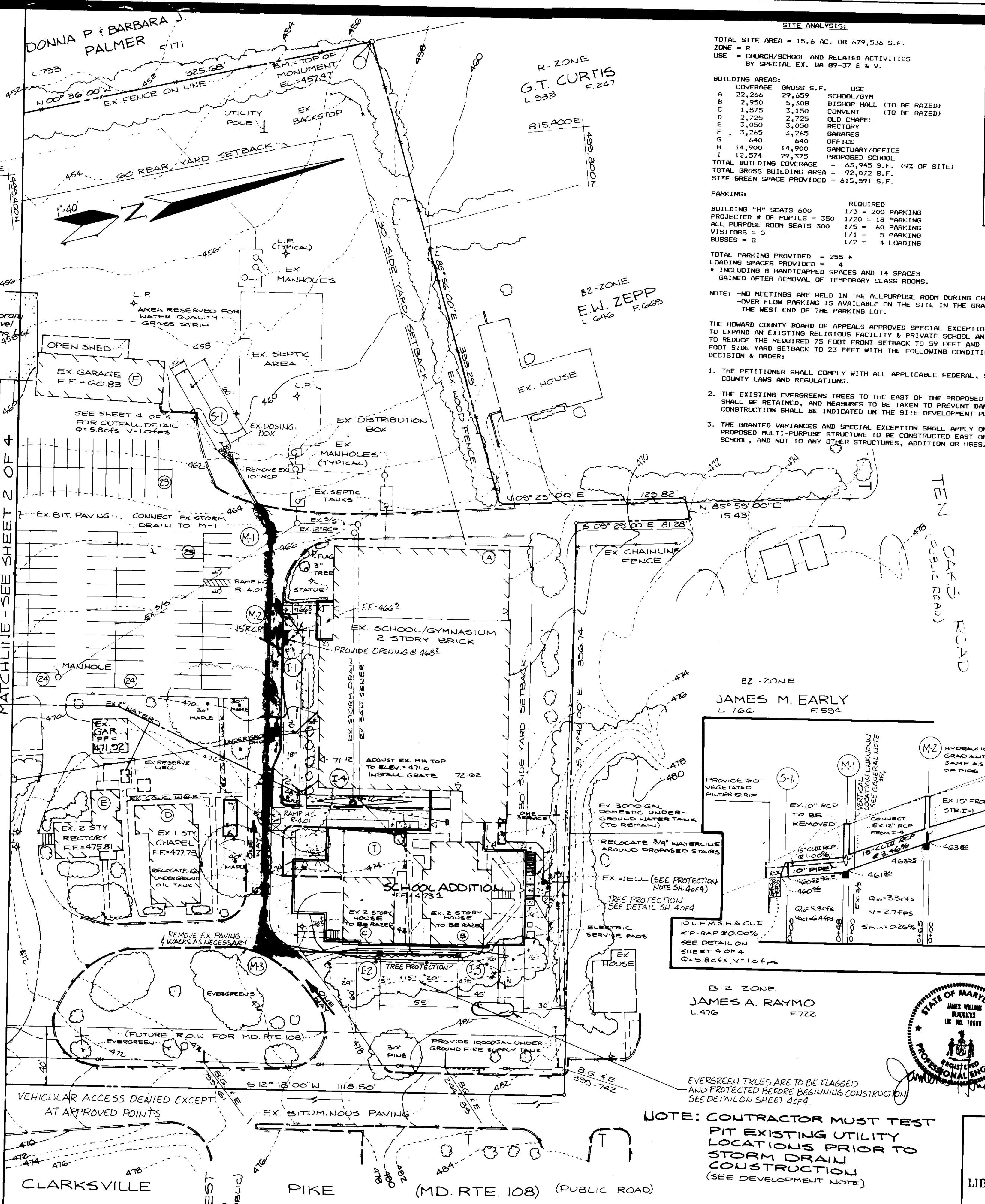


- NOTE: WATER DISTRIBUTION PLANS MUST BE REVIEWED & APPROVED BY THE H.C. HEALTH DEPARTMENT PRIOR TO ISSUANCE OF BUILDING PERMIT.**
- DEVELOPMENT NOTES:**
- THIS SITE PLAN HAS BEEN PREPARED FOR THE EXPANSION OF THE EXISTING SCHOOL BUILDING AND RELATED IMPROVEMENTS. ALL OTHER INFORMATION SHOWN HEREON IS FOR AIDING IN THE REVIEW OF THIS SITE.
  - THE TOPOGRAPHY IS FROM AERIAL PHOTOGRAPHY COMPILATION DATED JANUARY, 1989, PREPARED BY POTOMAC AERIAL SURVEYS, INC. THE EXISTING BUILDINGS WERE FIELD LOCATED BY MACRIS, HENDRICKS, AND WITMER P.A.
  - THE BOUNDARY INFORMATION IS FROM A SURVEY DATED FEBRUARY 18, 1960, PREPARED BY MULLER, RAPHEL AND ASSOCIATES, INC.
  - INFORMATION CONCERNING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS, BUT THE CONTRACTOR MUST DETERMINE THE EXACT LOCATIONS AND ELEVATIONS OF THE MAINS BY DIGGING TEST PITS BY HAND AT ALL UTILITY CROSSINGS 2 WEEKS IN ADVANCE OF TRENCHING. IF CLEARANCE IS LESS THAN SHOWN ON THIS PLAN, CONTACT THE ENGINEER.
  - THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:  
 MISS UTILITY 1-800-257-7777  
 BALTIMORE GAS AND ELECTRIC CO. 301-685-0123  
 CHESAPEAKE AND POTOMAC TELEPHONE CO. 301-725-9976
  - SHOULD THE CONTRACTOR DISCOVER DISCREPANCIES BETWEEN THE PLANS AND FIELD CONDITIONS, THE CONTRACTOR IS TO BE NOTIFIED IMMEDIATELY TO RESOLVE THE SITUATION. SHOULD THE CONTRACTOR MAKE FIELD CORRECTIONS OR ADJUSTMENTS WITHOUT NOTIFYING THE ENGINEER, THEN THE CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR THOSE CHANGES.
  - DOMESTIC WATER FOR THIS SITE WILL BE SUPPLIED BY THE TWO EXISTING ON-SITE WELLS.
  - SEWER TREATMENT WILL BE PROVIDED BY THE STATE APPROVED ON-SITE WASTE TREATMENT FACILITY.
  - THE EXISTING LANDSCAPING IS SATISFACTORY TO MEET ZONING REQUIREMENTS. NO ADDITIONAL "REQUIRED" LANDSCAPING IS PROPOSED ON THIS PLAN.
  - NO ADDITIONAL PARKING IS REQUIRED OR PROPOSED ON THIS PLAN.

- PAVING & STORM DRAIN NOTES:**
- ALL PAVING AND STORM DRAIN MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, "VOLUME IV - HOWARD COUNTY STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION".
  - PAVING ON SITE SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DETAIL SECTION P-1. THIS SECTION WAS BASED ON USE A SOILS ENGINEER SHOULD VERIFY THIS SECTION BASED ON SOILS AT THE TIME OF CONSTRUCTION.
  - ALL CURB AND GUTTER SHALL BE HOWARD COUNTY STANDARD R-3.01 (7").
  - ALL CONCRETE FOR CURBS WALKS AND PADS IS TO BE MARYLAND STATE HIGHWAY ADMINISTRATION CLASS 2 UNLESS OTHERWISE NOTED.
  - WHERE THE DROP ON THE MAIN LINE THROUGH A STRUCTURE CAN BE ACCOMMODATED BY AN INVERT SLOPE OF 1:5:1 OR FLATTER, A ROUNDED CHANNEL LINED WITH SEWER BRICK ON EDGE SHALL BE BUILT TO THE CROWN OF THE PIPES.
  - THE TYPES OF STORM DRAIN STRUCTURES REFERRED TO ARE HOWARD COUNTY STANDARDS (H.C.) OR VALLEY BLDG. INC. (V.B.) ALTERNATES MAY BE USED WITH THE APPROVAL OF THE OWNER AND ENGINEER.



**SITE ANALYSIS:**

TOTAL SITE AREA = 15.6 AC. OR 679,536 S.F.  
 ZONE = R  
 USE = CHURCH/SCHOOL AND RELATED ACTIVITIES BY SPECIAL EX. BA 89-37 E & V.

BUILDING AREA:	COVERAGE	GROSS S.F.	USE
A	22,256	29,459	SCHOOL/WM
B	2,950	3,308	BISHOP HALL (TO BE RAZED)
C	1,575	3,150	CONVENT (TO BE RAZED)
D	2,725	3,725	OLD CHAPEL
E	3,050	3,050	RECTORY
F	3,265	3,265	GARAGES
G	640	640	OFFICE
H	14,900	14,900	SANCTUARY/OFFICE
I	12,574	29,375	PROPOSED SCHOOL
TOTAL BUILDING COVERAGE		63,945 S.F.	(9% OF SITE)
TOTAL GROSS BUILDING AREA		92,072 S.F.	
SITE GREEN SPACE PROVIDED		615,591 S.F.	

**PARKING:**

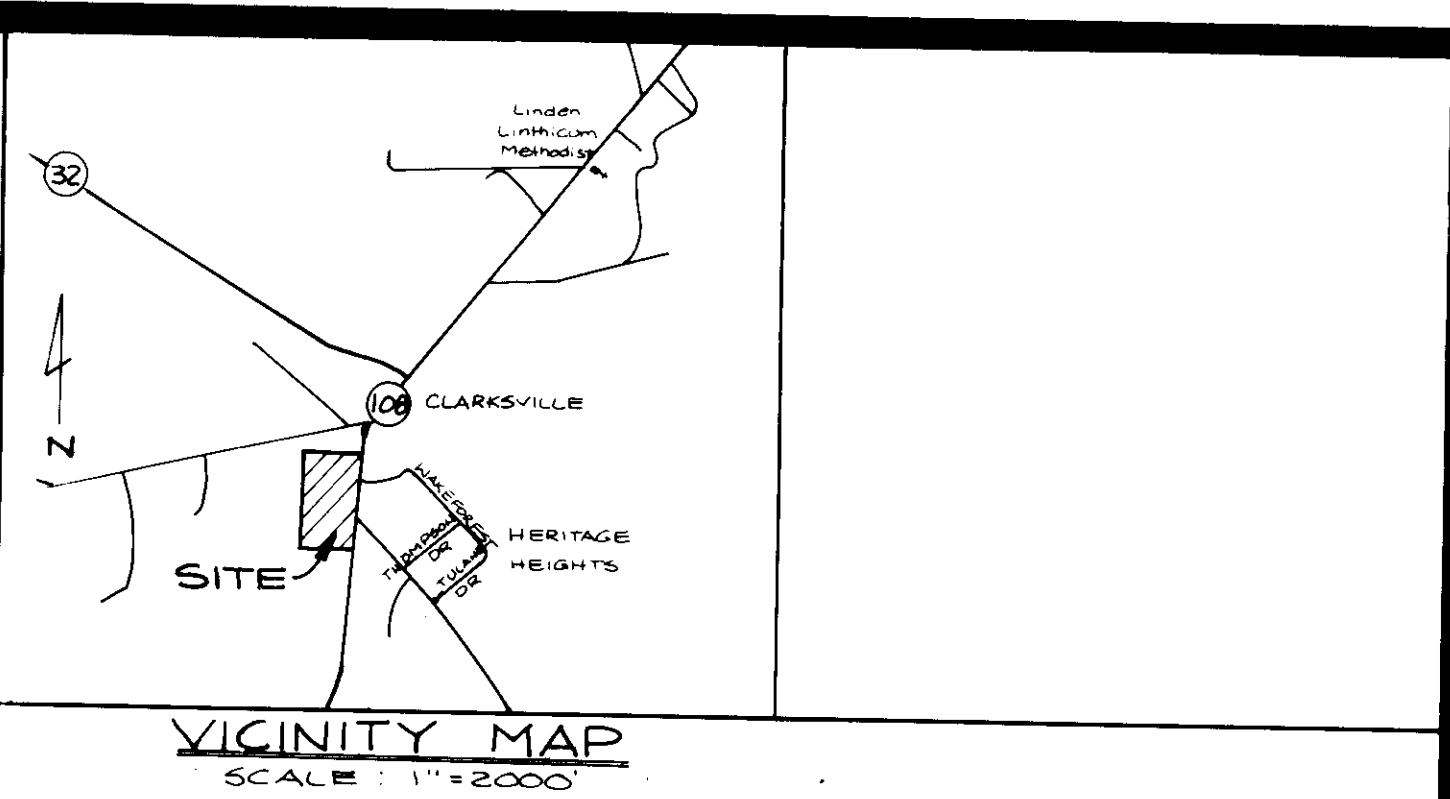
REQUIRED	PROVIDED
BUILDING "H" SEATS 600	1/3 = 200 PARKING
PROJECTED # OF PUPILS = 350	1/20 = 18 PARKING
ALL PURPOSE ROOM SEATS 300	1/5 = 60 PARKING
VISITORS = 5	1/1 = 5 PARKING
BUSSES = 0	1/2 = 4 LOADING

TOTAL PARKING PROVIDED = 255  
 LOADING SPACES PROVIDED = 4  
 INCLUDING 8 HANDICAPPED SPACES AND 14 SPACES GAINED AFTER REMOVAL OF TEMPORARY CLASS ROOMS.

**NOTES:**  
 -NO MEETINGS ARE HELD IN THE ALL-PURPOSE ROOM DURING CHURCH SERVICES.  
 -OVER FLOW PARKING IS AVAILABLE ON THE SITE IN THE GRASS AREA OFF OF THE WEST END OF THE PARKING LOT.

THE HOWARD COUNTY BOARD OF APPEALS APPROVED SPECIAL EXCEPTION (BA 89-37E/V) TO EXPAND AN EXISTING RELIGIOUS FACILITY & PRIVATE SCHOOL AND FOR VARIANCES TO REDUCE THE REQUIRED 75 FOOT FRONT SETBACK TO 59 FEET AND THE REQUIRED 50 FOOT SIDE YARD SETBACK TO 23 FEET WITH THE FOLLOWING CONDITIONS FROM THE DECISION & ORDER:

- THE PETITIONER SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND COUNTY LAWS AND REGULATIONS.
- THE EXISTING EVERGREEN TREES TO THE EAST OF THE PROPOSED STRUCTURE SHALL BE RETAINED, AND MEASURES TO BE TAKEN TO PREVENT DAMAGE DURING CONSTRUCTION SHALL BE INDICATED ON THE SITE DEVELOPMENT PLAN.
- THE GRANTED VARIANCES AND SPECIAL EXCEPTION SHALL APPLY ONLY TO THE PROPOSED MULTI-FAMILY STRUCTURE TO BE CONSTRUCTED EAST OF THE EXISTING SCHOOL, AND NOT TO ANY OTHER STRUCTURES, ADDITION OR USES.



**APPROVED: FOR DRAINAGE SYSTEMS AND ROADS STORM**

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James J. [Signature] DIRECTOR 9/12/90 DATE  
 [Signature] CHIEF, BUREAU OF ENGINEERING 9-12-90 DATE

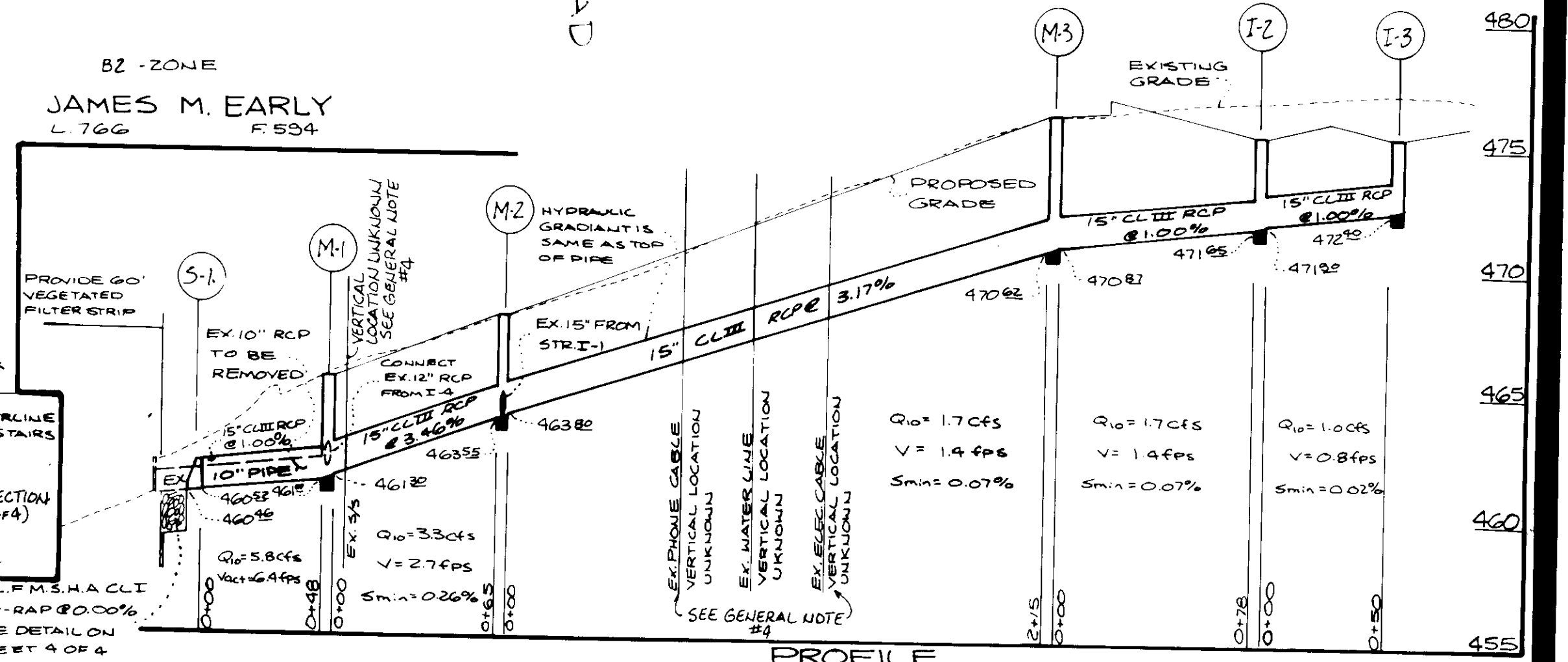
**APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS**

HOWARD COUNTY HEALTH DEPARTMENT

[Signature] COUNTY HEALTH OFFICER 10-1-90 DATE

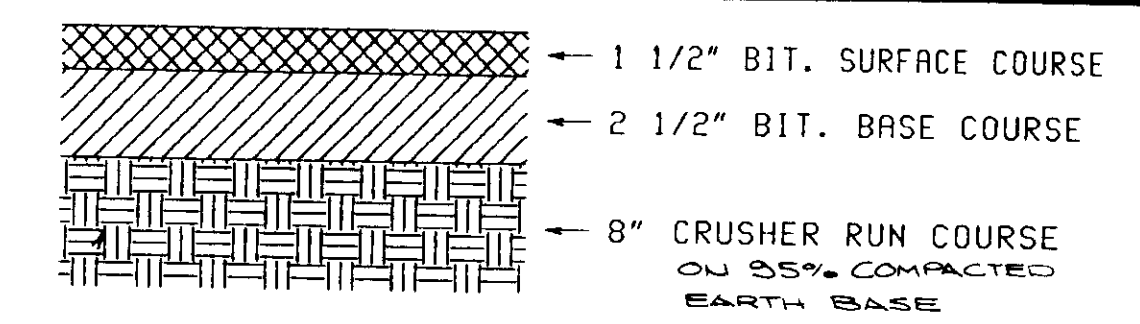
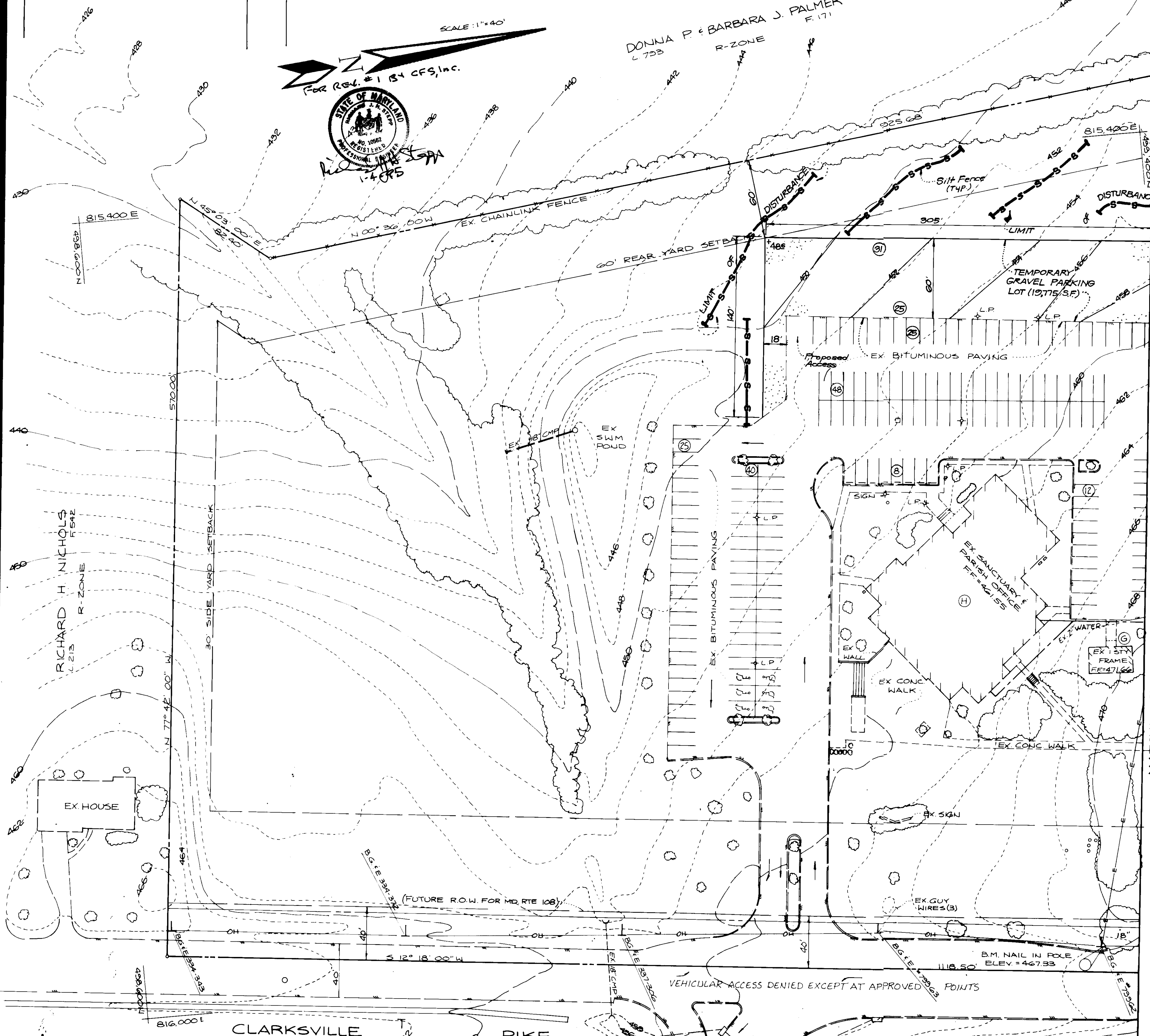
**APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING**

[Signature] DIRECTOR 10-12-90 DATE  
 [Signature] CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT 10/12/90 DATE



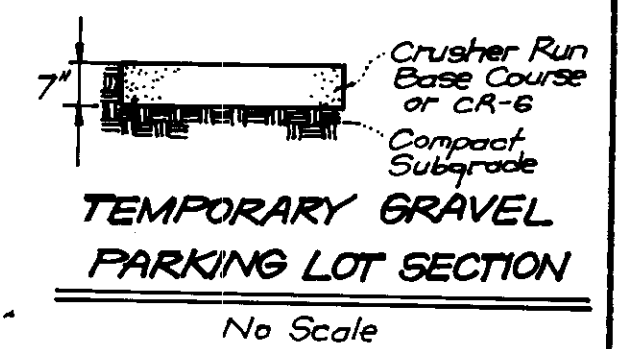


No	REVISION	Date
1	Add Temporary Gravel Parking Lot by Clark, FineProck & Sackett, Inc.	1-4-95



SEE H.C. DETAIL R-2.01 SECTION P-1 FOR ALTERNATE.

ON - SITE PAVING SECTION  
NO SCALE



APPROVED: FOR  STORM DRAINAGE SYSTEMS AND ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James J. [Signature]* 9/12/90  
DIRECTOR DATE

*[Signature]* 9-12-90  
CHIEF, BUREAU OF ENGINEERING DATE

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APPROVED: FOR  PRIVATE WATER AND  PRIVATE SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT

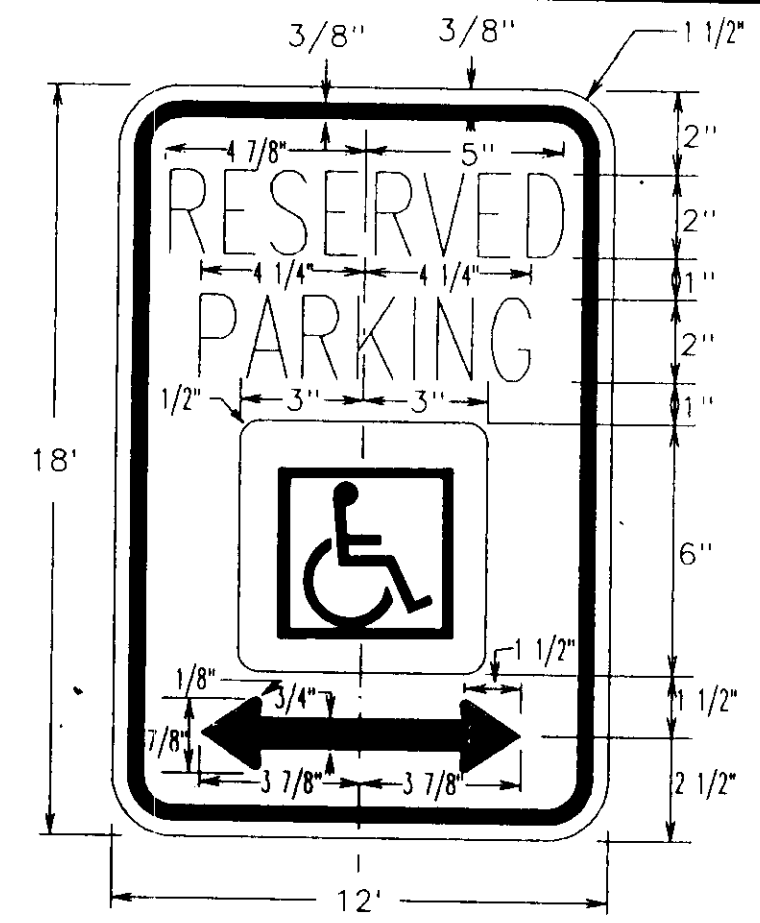
*Joseph [Signature]* 10-1-90  
COUNTY HEALTH OFFICER DATE

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APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 10-1-90  
DIRECTOR DATE

*[Signature]* 10/1/90  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE



R7-8 Reserved Parking for Handicapped sign.

LEGEND AND BORDER - GREEN  
WHITE SYMBOL ON BLUE BACKGROUND  
BACKGROUND - WHITE



Pursuant to Howard County Council Bill 58-84 which established a Fifty Dollar (\$50.00) fine for violating provisions for Handicapped Parking and provided for posting notifications of that fine, this specification describes the sign authorized for posting and the associated mounting detail.

I. Sign

Sign to utilize an aluminum blank 6" x 12" x 0.080" thick with two (2) single post mounting holes.

The text and border shall be standard green to match that on R7-8 and the background shall be reflective white. Text shall be in 3" characters.

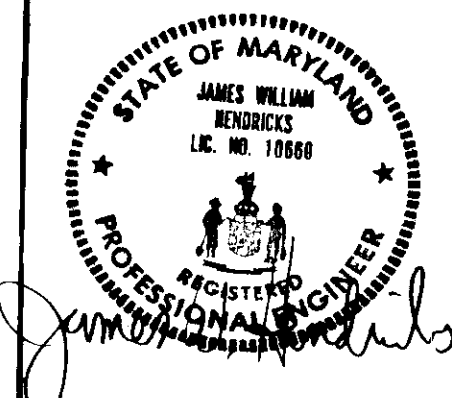
II. Mounting

Above sign shall be mounted directly below the standard R7-8 Reserved Parking for Handicapped sign. Its bottom edge shall be no less than 7 feet above ground. If the sign is placed against a building, structure, or location where vehicle or pedestrian traffic is not obstructed the bottom edge of sign shall be at least 6 feet but not more than 10 feet above ground. Because this is an addition to existing sign installations, some adjustment in height will be necessary.

STRUCTURE SCHEDULE				PIPE SCHEDULE			
NO.	TYPE	STANDARD	ELEVATION	REMARKS	SIZE	TYPE	LENGTH
S-1	END SECTION	H.C. SD S-52	460.40 INV.				
M-4	MANHOLE	V.B. M4-4B	465.30				
M-2	MANHOLE	V.B. M4-4BFT	467.80				
M-3	MANHOLE	V.B. M4-4B	467.00				
I-1	10" INLET	VB.C1-36	468.50 / 468.20	PROVIDE AN ADDITIONAL 5" OPENING ON NORTH SIDE	15"	CLASS III R.C.P.	456'
I-2	YARD INLET	V.B. E-2	475.40				
I-3	YARD INLET	V.B. E-2	475.40				
I-4	ADJUST EX. M.H. TOP ELEV. TO 471.0'			PROVIDE GRATE TOP.			

V.B. REFERS TO AMERICAST PREVIOUSLY VALLEY BLOX INC. OTHER MANUFACTURES MAY BE USED WITH APPROVAL OF THE REVIEWING AGENCY, OWNER AND THE ENGINEER.

CALL "MISS UTILITY"  
TELEPHONE 1-800-257-7777  
FOR UTILITY LOCATIONS  
AT LEAST 48 HOURS BEFORE  
BEGINNING CONSTRUCTION



SITE DEVELOPMENT PLAN  
SCHOOL EXPANSION  
**SAINT LOUIS CHURCH**  
LIBER 54 FOLIO 268, LIBER 115 FOLIO 583, LIBER 115 FOLIO 12  
CLARKSVILLE ELECTION DISTRICT #5  
HOWARD COUNTY, MARYLAND

**Macris, Hendricks and Witmer P.A.**  
Engineers • Planners • Surveyors  
Suite 120  
9220 Wightman Road  
Gaithersburg, Maryland  
20879  
(301) 670-0840

Designed MDD  
SCALE 1"=40'  
Job No. 88-258

**DECMM** Duane, Elliott, Cahill, Mullineux & Mullineux PA  
Architects, Planners, Consultants

Rockville, Md. 301-421-1680, Lewis, De. 302-615-5536, Ocean City, Md. 301-524-1887

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**ST. LOUIS CHURCH**  
CLARKSVILLE ELECTION DISTRICT #5  
HOWARD COUNTY, MARYLAND

proj. no. 8723  
date 7-24-90

revisions

drawing title

drawing number

sht. 2 of 4

**SEQUENCE OF CONSTRUCTION**

1. OBTAIN A GRADING PERMIT.
- 1A. PROTECT EX TREES TO REMAIN. SEE DETAIL SH. 4043
2. CONSTRUCT SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE AS SHOWN ON THIS PLAN, PRIOR TO ANY OTHER SITE DISTURBANCE.
3. RAZE EXISTING HOUSES, REMOVE PAVING AND WALKS AS NECESSARY, CLEAR AND CURB SITE.
4. GRADE SITE.
5. CONSTRUCT STORM DRAIN AND PROTECT INLETS.
6. BEGIN CONSTRUCTION OF ADDITION AND UTILITIES.
7. MAINTAIN SEDIMENT CONTROL DEVICES.
8. WHEN THE SITE IS STABILIZED AND UPON RECEIVING PERMISSION FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR REMOVE THE SEDIMENT CONTROL STRUCTURES AND STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH THE SEEDING NOTES.

**DEVELOPERS CERTIFICATION**

"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 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."

*Monsignor Anthony L. Sauerwein* 7/25/90  
 MONSIGNOR ANTHONY L. SAUERWEIN DATE

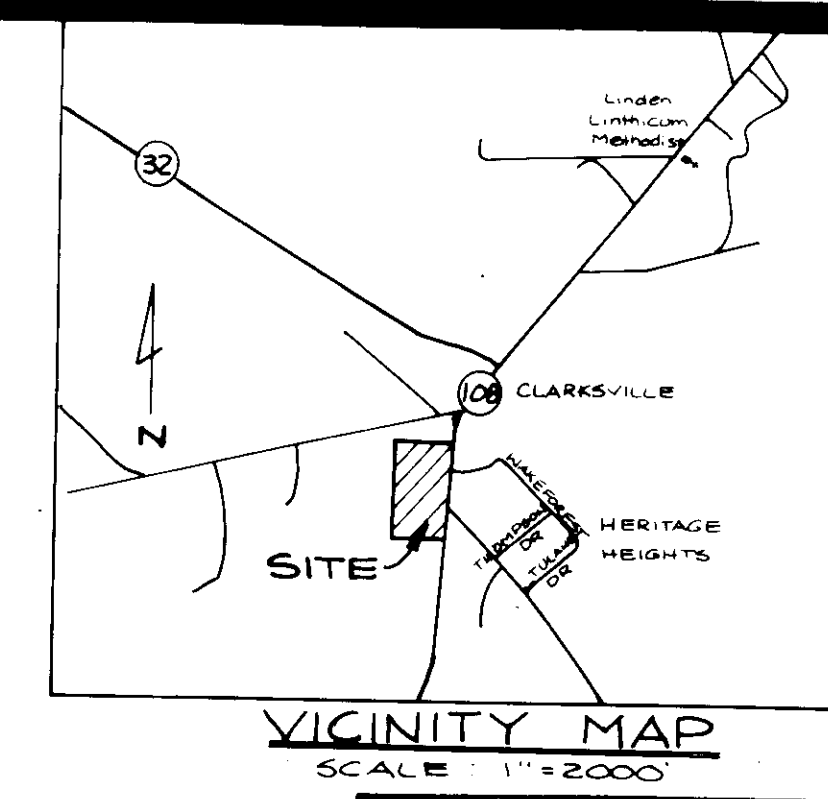
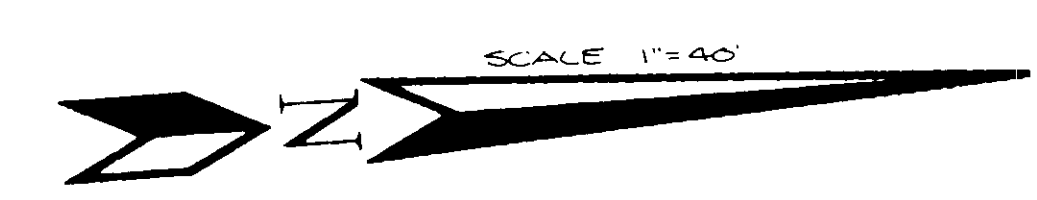
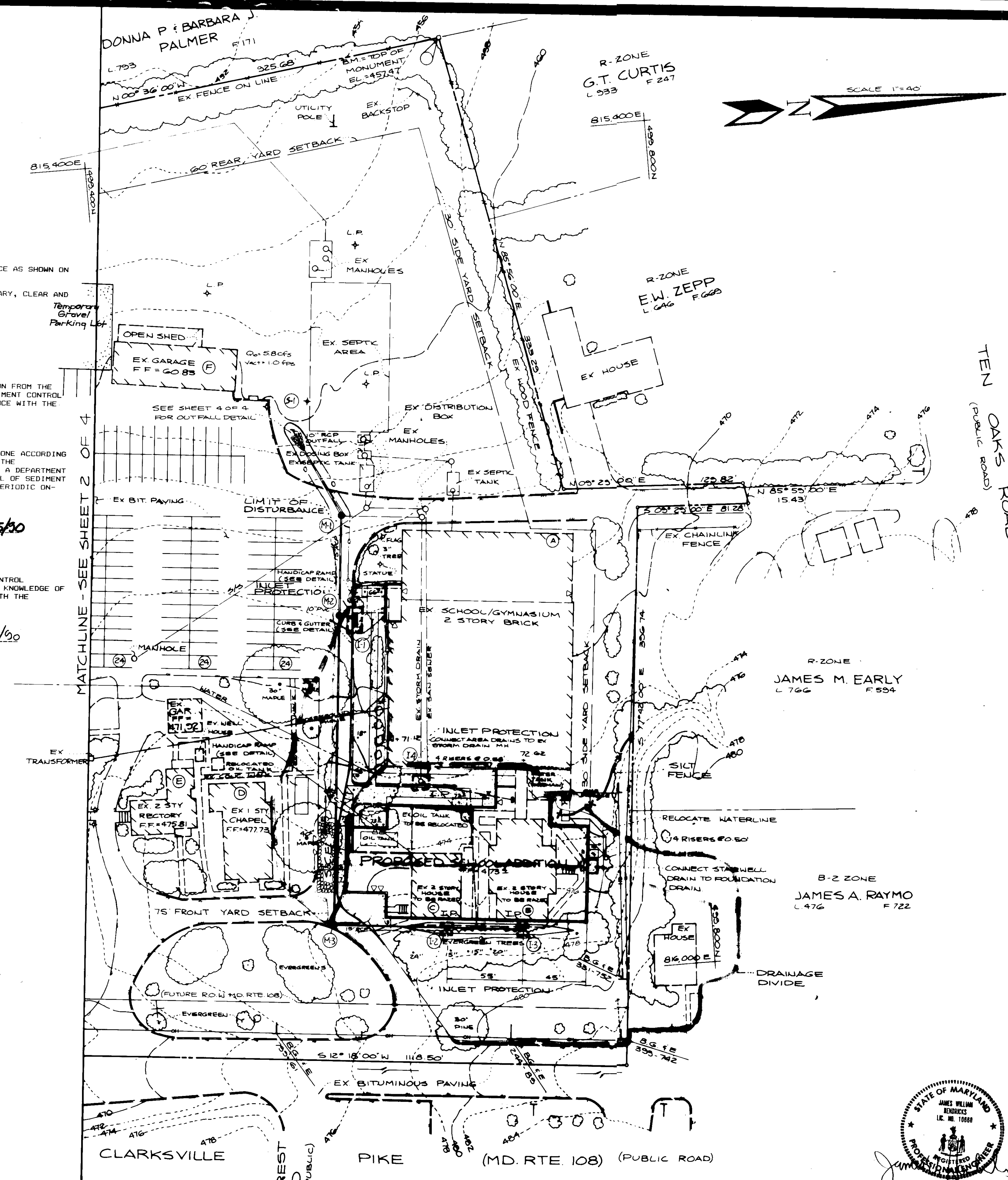
**ENGINEER'S CERTIFICATE**

"I CERTIFY THAT THIS PLAN PREPARED 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."

*James W. Hendricks* 7/25/90  
 JAMES W. HENDRICKS DATE  
 REG. NO. 10660

**LEGEND**

- LIMIT OF DISTURBANCE
- SILT FENCE
- DRAINAGE DIVIDE
- STABILIZED CONSTRUCTION ENTRANCE
- INLET PROTECTION



APPROVED: FOR **STORM DRAINAGE SYSTEMS AND ROADS**  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James P. [Signature]* 9/12/90  
 DIRECTOR DATE  
*[Signature]* 9-15-90  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: FOR **PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS**  
 HOWARD COUNTY HEALTH DEPARTMENT  
*[Signature]* 10-7-90  
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 10-12-90  
 DIRECTOR DATE  
*[Signature]* 11/2/90  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT  
 THIS PLAN MEETS TECHNICAL REQUIREMENTS  
*[Signature]* 8/1/90  
 U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 APPROVED:  
*[Signature]* 8/1/90  
 HOWARD SOIL CONSERVATION DISTRICT DATE

SUBDIVISION NAME:		SECT./AREA	LOT/PARCEL #
SAINT LOUIS CHURCH		N/A	P. 126
PLAT # OR L/F	BLOCK	ZONE	TAX/ZONE MAP
L54 F66B	12	R	*34
WATER CODE		SEWER CODE	
ADDRESS CHART			
LOT #	STREET ADDRESS		
N/A	12500 MD. RTE. 108		

SOIL EROSION, SEDIMENT CONTROL PLAN  
 SCHOOL EXPANSION  
**SAINT LOUIS CHURCH**  
 LIBER 54 FOLIO 268, LIBER 115 FOLIO 583, LIBER 115 FOLIO 126  
 CLARKSVILLE ELECTION DISTRICT #5  
 HOWARD COUNTY, MARYLAND

**Macris, Hendricks and Witmer P.A.**  
 Engineers • Planners • Surveyors  
 Suite 120  
 9220 Wightman Road  
 Gaithersburg, Maryland 20879  
 (301) 670-0840

Designed  
 M.D.P.  
 SCALE  
 1"=40'  
 Job No.  
 88-236

OWNER/DEVELOPER  
 MOST REV. WILLIAM H. KEELER  
 ARCHBISHOP OF BALTIMORE  
 C/O MONSIGNOR ANTHONY L. SAUERWEIN  
 P.O. BOX 155 SAINT LOUIS CHURCH  
 ROUTES 108 AND 32  
 CLARKSVILLE, MARYLAND 21029  
 PHONE (301) 531-6040

CALL "MISS UTILITY"  
 TELEPHONE 1-800-257-7777  
 FOR UTILITY LOCATIONS  
 AT LEAST 48 HOURS BEFORE  
 BEGINNING CONSTRUCTION

**DECMM**  
 Duane, Elliott, Cahill,  
 Mullineux & Mullineux PA  
 Architects, Planners, Surveyors, Consultants  
 Rockville, Md. 301-424-1680, Lawyers, De. 302-615-5556, Ocean City, Md. 301-524-1887

CLARKSVILLE ELECTION DISTRICT #5  
 HOWARD COUNTY, MARYLAND

proj. no. 8723  
 date 7-24-90

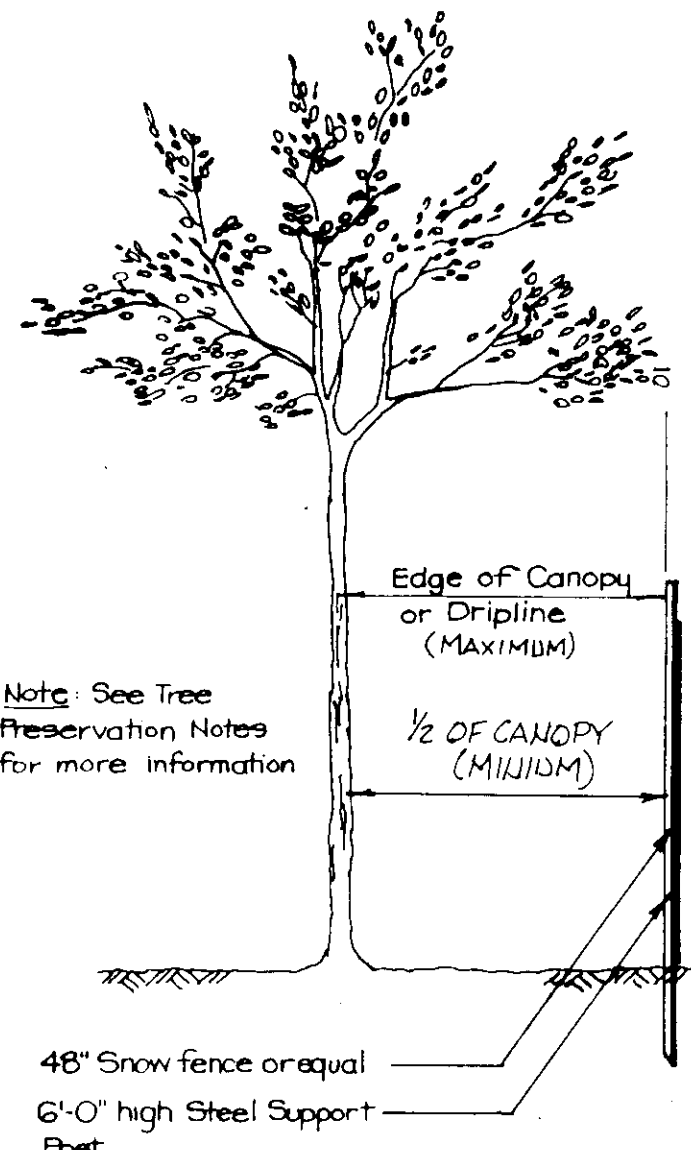
revisions

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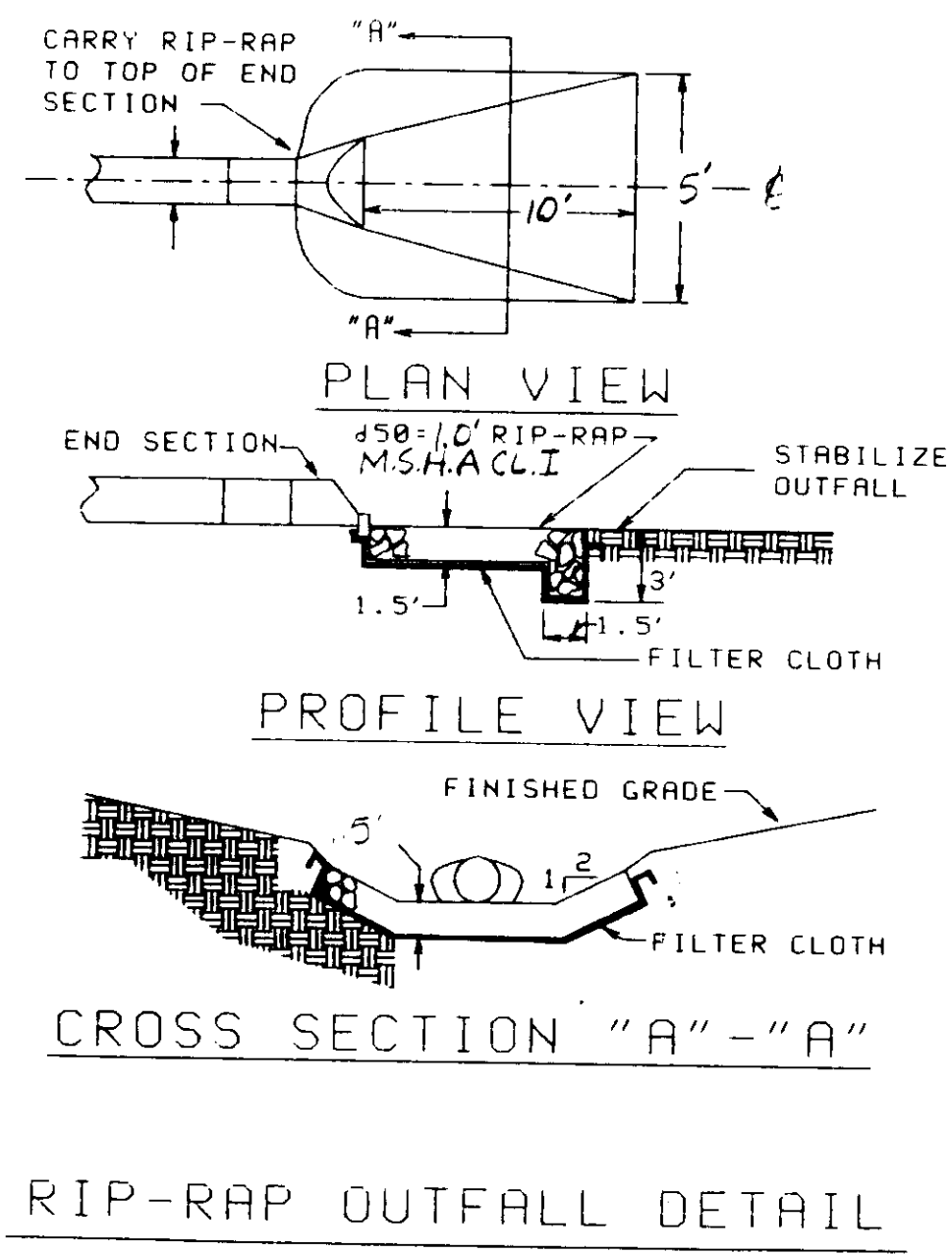
sh. 3 of 4





**TREE PRESERVATION DETAIL**  
SEE SHEET 106A FOR TREE SAVE LOCATION.

**- WELL PROTECTION NOTE -**  
THE EXISTING WELL MUST BE PROTECTED FROM CONSTRUCTION EQUIPMENT! EXCAVATION OF THE STAIRS NEAR THE EX. WELL MUST BE DONE USING SHORING RATHER THAN SLOPE GRADING. TREE PROTECTION FENCING AND SIGNS MUST BE PROVIDED TO PROHIBIT CONSTRUCTION EQUIPMENT FROM PASSING WITHIN 10' OF THE WELL.



**TREE PRESERVATION NOTES**

- The trees identified on this plan for tree preservation shall be marked and labeled by the Contractor using suitable nursery tags and yellow surveyors tape wrapped about the trunk at a 4 ft. height.
- Prior to any construction activity onsite, the identified tree areas which are to remain undisturbed shall be protected using snowfencing or equal (use plan for specific location and detail on this sheet). Fencing shall be minimum of 4-ft. in height and 6 feet high steel posts shall be driven 18-in. into the ground and spaced a maximum of 6-ft. on center. The fenced areas shall be regarded as off limits for construction activities; except, where minor grading must occur within the fenced area it shall be completed without the use of mechanical equipment of any sort. And; grading activity shall be minimized within the fenced area.
- The contractor shall diligently undertake to prevent the removal of or damage to any tree areas which are designated for preservation. Damage or destruction of any such tree areas shall be the responsibility of the contractor whether caused by the contractor his agents employees, sub-contractors or licensees. Examples of ways in which trees are damaged or destroyed are as follows:
  - Placing backfill in protected areas.
  - Felling trees into protected areas.
  - Driving construction equipment into or through protected areas.
  - Burning in or in close proximity to protected areas.
  - Stacking or storing supplies in protected areas.
  - Changing site grades which cause drainage to flow into, or to collect in protected areas.
  - Conducting trenching operations in the vicinity of trees.
  - Grading in the vicinity of trees which are protected.
- All trees which are not to be preserved are to be removed in a manner that will not damage those trees which are to remain. Any trees that are to remain that have been damaged during the clearing operation must be repaired in an approved manner by a MARYLAND LICENSED ARBORIST (tree expert) as soon as final clearing has been completed.
- After construction is completed, temporary barriers, surplus materials and all trash, debris and rubbish shall be removed from the site. All backfill shall be clear of building material, stone and rubbish.

**SEDIMENT CONTROL NOTES**

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (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 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 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.
- 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: (WITHIN DISTURBED AREA)
 

Total Area of Site	15.6 Acres
Area Disturbed	0.65 Acres
Area to be roofed or paved	0.58 Acres
Area to be vegetatively stabilized	0.07 Acres
Total Cut	1,000 Cu. yds.
Total Fill	0 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 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.

**PERMANENT SEEDING NOTES**

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

**Seedbed Preparation:** Loosen upper three inches of soil by raking, 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:

- 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.)
- 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 (1.4 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 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.

**TEMPORARY SEEDING NOTES**

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

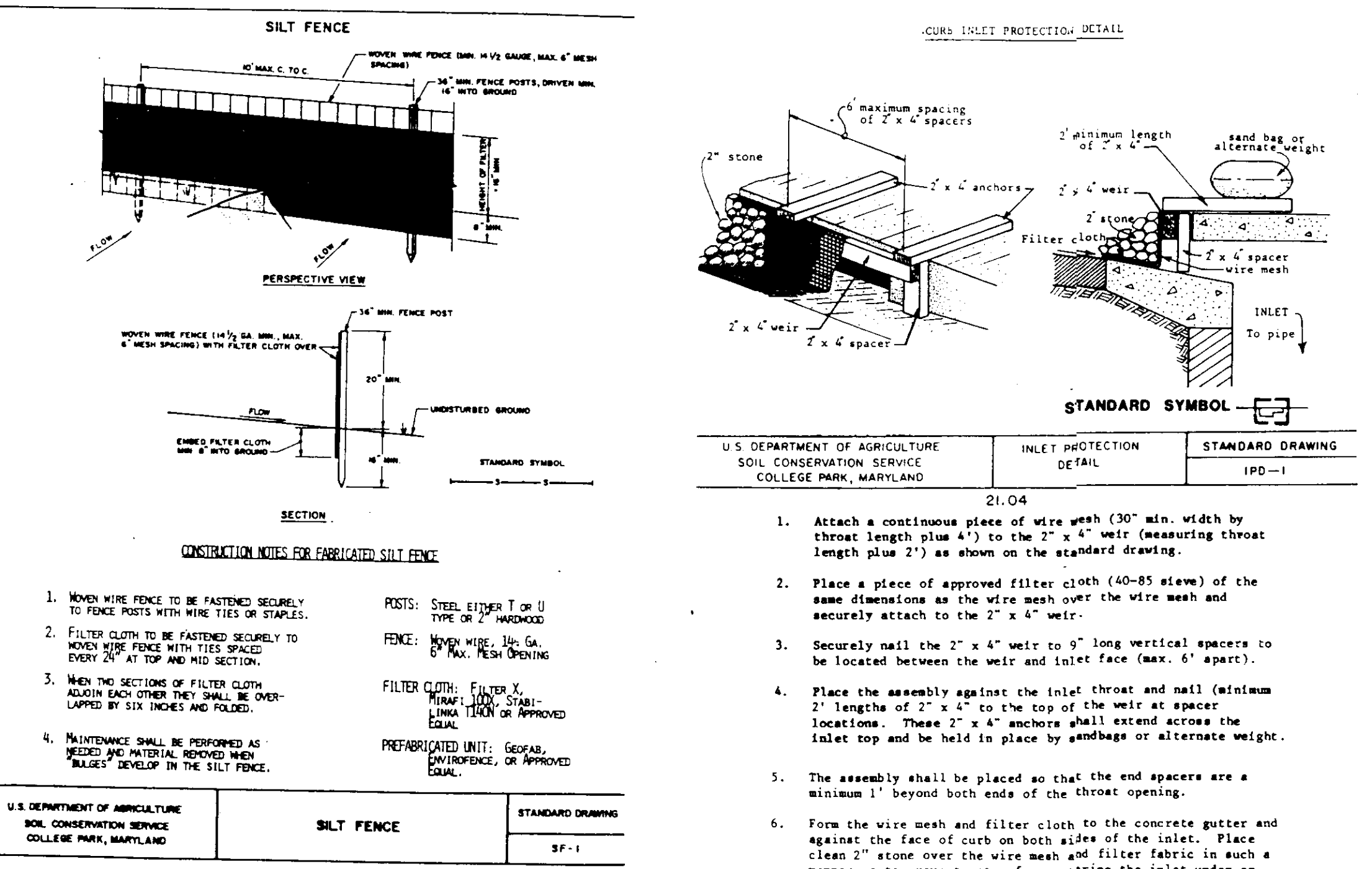
**Seedbed preparation:** Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

**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 rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For 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 gallons 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.



U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND	SILT FENCE	STANDARD DRAWING SP-1
---	------------	--------------------------

- STANDARD SYMBOL**
- A. A swale, ditchline or yard inlet protection.
- Excavate completely around inlet to a depth of 18" below notch elevation.
  - Drive 2 x 4 post 1' into ground at four corners of inlet. Place nail strips between posts at ends of inlet. Assemble top portion of 2 x 4 frame using overlap joint shown. Top of frame (weir) must be 6" below edge of roadway adjacent to inlet.
  - Stretch wire mesh tightly around frame and fasten securely. Ends must meet at post.
  - Stretch filter cloth tightly over wire mesh, the cloth must extend from top of frame to 18" below inlet notch elev. Fasten securely to frame. Ends must meet at post, be overlapped and folded, then fastened down.
  - Backfill around inlet in compacted 6" layers until layer of earth is even with notch elevation on ends and top elevation on sides.
  - If the inlet is not in a low point, construct a compacted earth dike in the ditchline below it. The top of this dike is to be at least 6" higher than the top of frame (weir).
  - This structure must be inspected frequently and the filter fabric replaced when clogged.

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

*James J. Sun* 9/12/90  
DIRECTOR DATE

*Richard P. Ryan* 9-12-90  
CHIEF, BUREAU OF ENGINEERING DATE

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

*Joseph Boyle* 10-1-90  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Mark C. D'Angelo* 10-12-90  
DIRECTOR DATE

*Mark C. D'Angelo* 10-12-90  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT  
THIS PLAN MEETS TECHNICAL REQUIREMENTS

*James M. D'Angelo* 8/1/90  
U.S. SOIL CONSERVATION SERVICE DATE

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

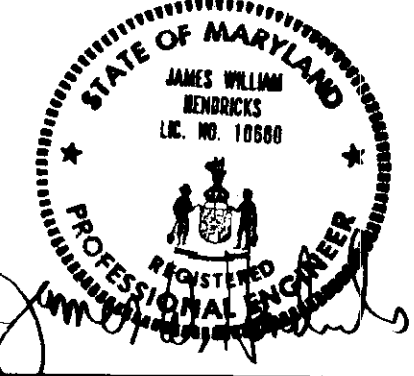
APPROVED:  
*Robert W. Ziehn* 8/1/90  
HOWARD SOIL CONSERVATION DISTRICT DATE

SOIL EROSION, SEDIMENT CONTROL DETAILS  
SCHOOL EXPANSION  
**SAINT LOUIS CHURCH**  
LIBER 54 FOLIO 268, LIBER 115 FOLIO 583, LIBER 115 FOLIO 12  
CLARKSVILLE ELECTION DISTRICT #5  
HOWARD COUNTY, MARYLAND

**Macris, Hendricks and Witmer P.A.**  
Engineers • Planners • Surveyors

Suite 120  
9220 Wightman Road  
Gaithersburg, Maryland  
20879  
(301) 670-0840

Designed: MDP  
SCALE: AS NOTED  
Job No: 88-258



**DECMM**  
Duane, Elliott, Cahill,  
Mullineaux & Mullineaux PA  
Architects, Planners, Consultants  
Rockville, Md. 301-424-1680, Lewes, De. 302-645-5556, Ocean City, Md. 301-524-1887

ST. LOUIS CHURCH  
CLARKSVILLE ELECTION DISTRICT #5  
HOWARD COUNTY, MARYLAND

proj. no.	
date	7-24-90
revisions	
drawing title	
drawing number	
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