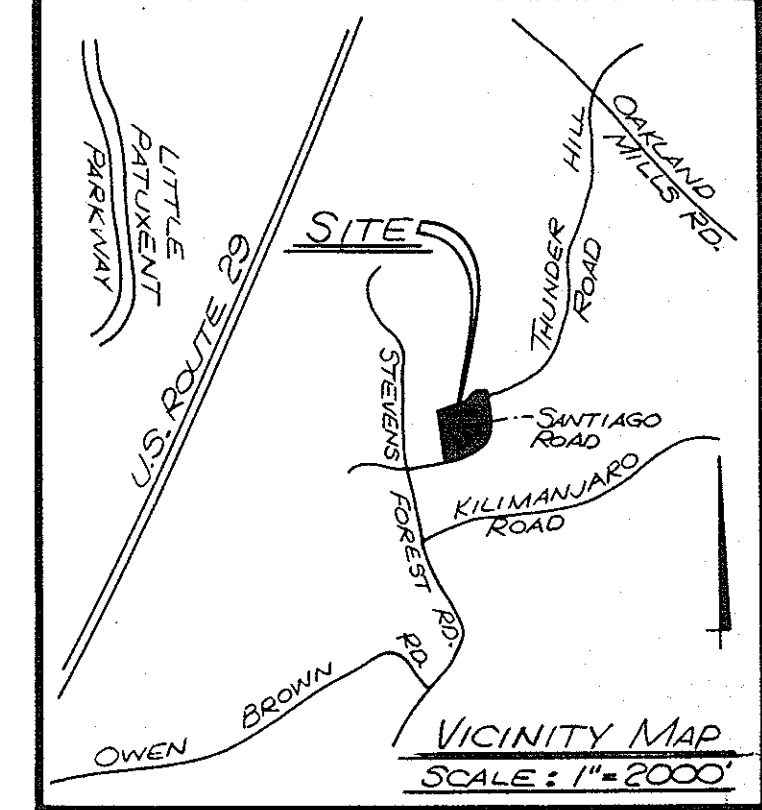


APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
 HOWARD COUNTY DEPT. OF PUBLIC WORKS  
 James H. [Signature] 11/16/87  
 DIRECTOR DATE  
 Chief, Bureau of Engineering

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 [Signature] 11-17-87  
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 [Signature] 4-23-87  
 [Signature] 19 Nov 87  
 CHIEF, DIV. OF LAND DEVELOPMENT & ZONING ADMIN. DATE



APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 10-15-87

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 Natural Resources 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] 9-2-87  
 Signature of Developer Date  
 Print name below signature

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] 10/29/87  
 Signature of Engineer Date  
 Print name below signature

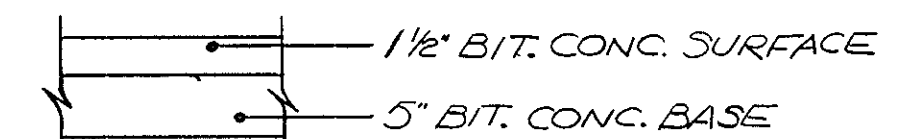
Reviewed for HOWARD S.C.D. and  
 Technical Requirements  
 [Signature] 11-6-87  
 U.S. Soil Conservation Date  
 Service

THIS DEVELOPMENT PLAN IS APPROVED  
 FOR SOIL EROSION AND SEDIMENT CONTROL  
 BY THE HOWARD SOIL CONSERVATION  
 DISTRICT  
 [Signature] 11/6/87  
 Howard S.C.D. Date

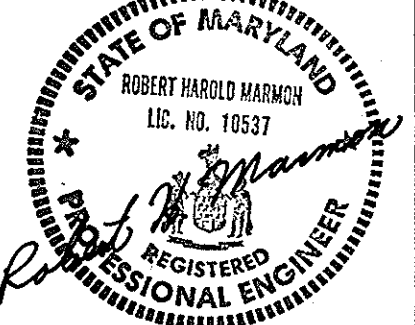
REPLACE "THE MEETING HOUSE"  
 SIGN AFTER GRADING.

NOTES:

1. AREA = 6.229 Ac.±
2. AREA OF LIMIT OF SUBMISSION = 0.42 Ac.±
3. ZONING - OPEN SPACE (FDP - A-II)
4. MATERIALS AND CONSTRUCTION TO BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.
5. TOTAL BLDG. AREA = 32,265 S.F.
6. PARKING DATA APPROVED BY PLANNING BOARD:  
 192 EXISTING SPACES PLUS 80 COMMON USE SPACES  
 PER LIBER 1173 FOLIO 628
7. SEATING CAPACITY FOR MEETINGHOUSE = 650  
 AREA OF EX. DAY CARE CENTER = 4100 S.F.  
 GREEN AREA TO REMAIN = 3.06 AC. (49.1%)



PAVING SECTION  
 SCALE: NONE  
 (HOWARD CO. STD. R-201, P-2)



REF: SDP-74-88C  
 SDP-86-148C

ADDRESS CHART		SUBDIVISION NAME		SECT./AREA	LOT/PARCEL		
LOT NUMBER	STREET ADDRESS	V.O.M.	2/4	Lot 7			
7	5855 ROBERT OLIVER PLACE	18/73	3	36	6		
		PLAT # OR L/S	BLOCK #	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.
		WATER CODE		SEWER CODE			
		E 03		5532600			

OWNER:  
 OAKLAND MILLS INTERFAITH  
 5855 ROBERT OLIVER PLACE  
 COLUMBIA, MARYLAND 21045

No.	REVISION	DATE	BY

ENGINEERS • ARCHITECTS • PLANNERS • SCIENTISTS • SURVEYORS • PHOTOGRAMMETRISTS

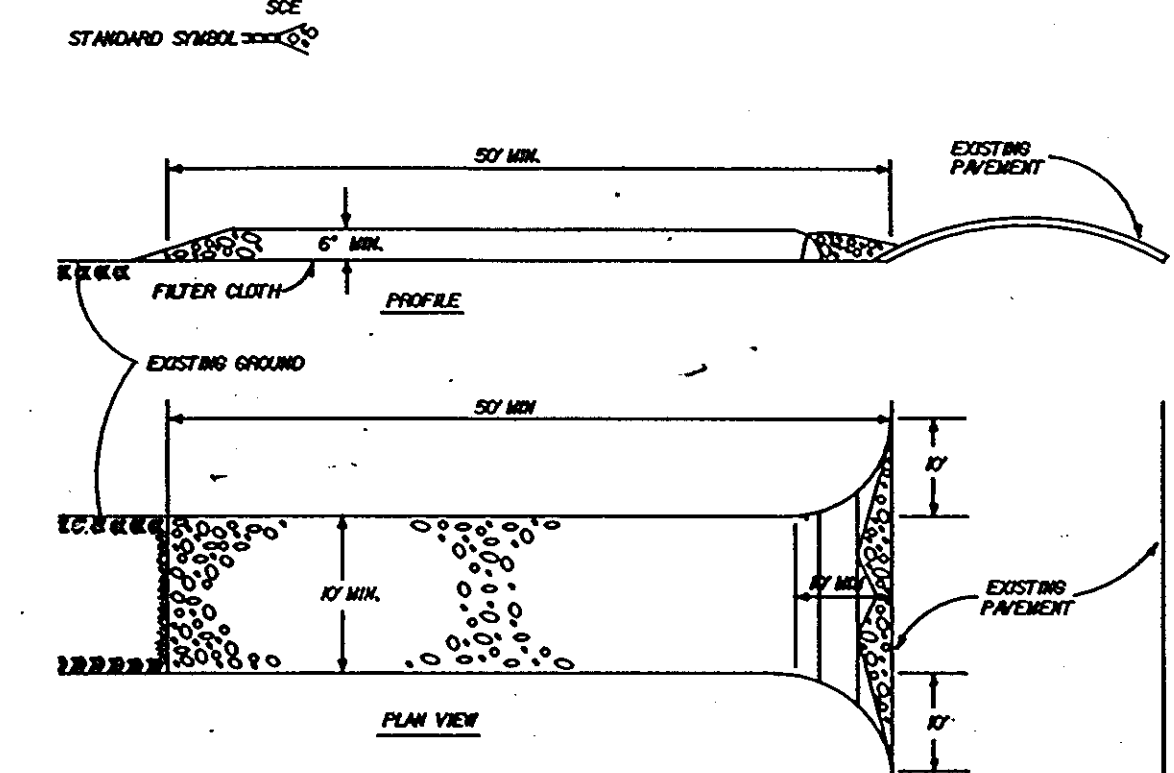
**GREENHORNE & O'MARA, INC.**  
 113 WEST ROAD, SUITE 208, BALTIMORE, MARYLAND 21204  
 (301) 296-4100

ANNAPOLIS, MD • ATLANTA, GA • AURORA, CO • CULPEPER, VA • EXPORT, PA • FAIRFAX, VA  
 GREENBELT, MD • MANASSAS, VA • MONROE, MI • RALEIGH, NC • ROCKVILLE, MD • TAMPA, FL

SITE DEVELOPMENT PLAN - DRIVEWAY ADDITION  
 LOT 7, SECTION 2, AREA 4  
 COLUMBIA, VILLAGE OF OAKLAND MILLS  
 6TH ELECTION DISTRICT HOWARD CO., MARYLAND

DESIGN	SCALE 1" = 30'
JDP DRAWN	1 OF 2
RHM CHECKED	SHEET
AUG., '87 DATE	B-1041-X FILE No.
JOB No.	SDP-88-49.

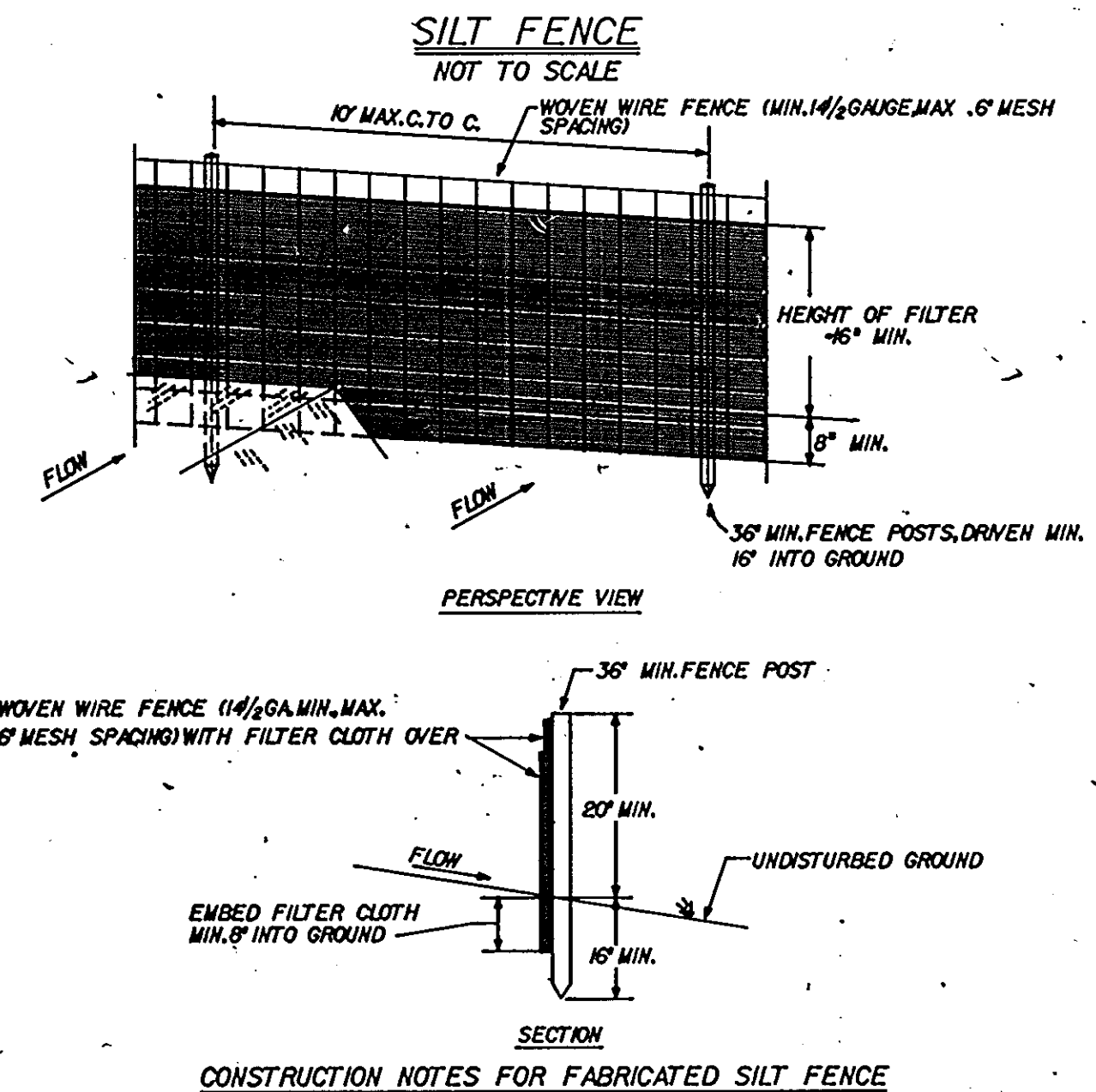
**STABILIZED CONSTRUCTION ENTRANCE**  
NOT TO SCALE



- CONSTRUCTION SPECIFICATIONS**
- STONE SIZE - USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
  - LENGTH - AS REQUIRED, BUT NOT LESS THAN 30 FEET EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 50 FOOT MINIMUM LENGTH WOULD APPLY.
  - THICKNESS NOT LESS THAN SIX (6) INCHES.
  - WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
  - FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
  - SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED THROUGH THE ENTRANCE.
  - 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 THE ENTRANCE SHALL BE REQUIRED. SEDIMENT, SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
  - WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WASHING IS REQUIRED. IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
  - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 10-15-87

- 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.
  - ALL VEGETATION AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
  - FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN A) 7 CALENDAR DAYS FOR ALL PERMANENT SEDIMENT CONTROL STRUCTURES, DIKES, PERMANENT 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 THE PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF 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 RATES 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 6.1 AC.  
AREAS DISTURBED 0.42 AC.  
AREA TO BE ROOFED OR PAVED  
AREA TO BE VEGETATIVELY STABILIZED  
TOTAL CUT CU. YDS.  
TOTAL FILL 250 CU. YDS.  
OFFSITE WASTE/ 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 DPW 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 BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.



- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
  - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVEN 24" AT TOP AND MID SECTION.
  - WHEN TWO SECTIONS OF FILTER CLOTH JOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 'BULGES' DEVELOP IN THE SILT FENCE.

- SEQUENCE OF CONSTRUCTION:**
- OBTAIN GRADING PERMIT.
  - CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCE.
  - GRADE AREA, CONSTRUCT DRIVEWAY.
  - STABILIZE ALL DISTURBED AREAS UPON COMPLETION.
  - UPON APPROVAL BY SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES.

- 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. 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) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/100 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/100 sq ft) before seeding. Harrow or disc into upper three inches of soil.
  - 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. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.4 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February, 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 (10 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool of 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 redisturbed where a short-term vegetative cover is needed. Seeded Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding. Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)
- Seeding: For period 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 (.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) for anchoring.
- Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS  
HOWARD COUNTY DEPT. OF PUBLIC WORKS  
DATE 11-16-87

APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE 11-17-87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DATE 11-22-87

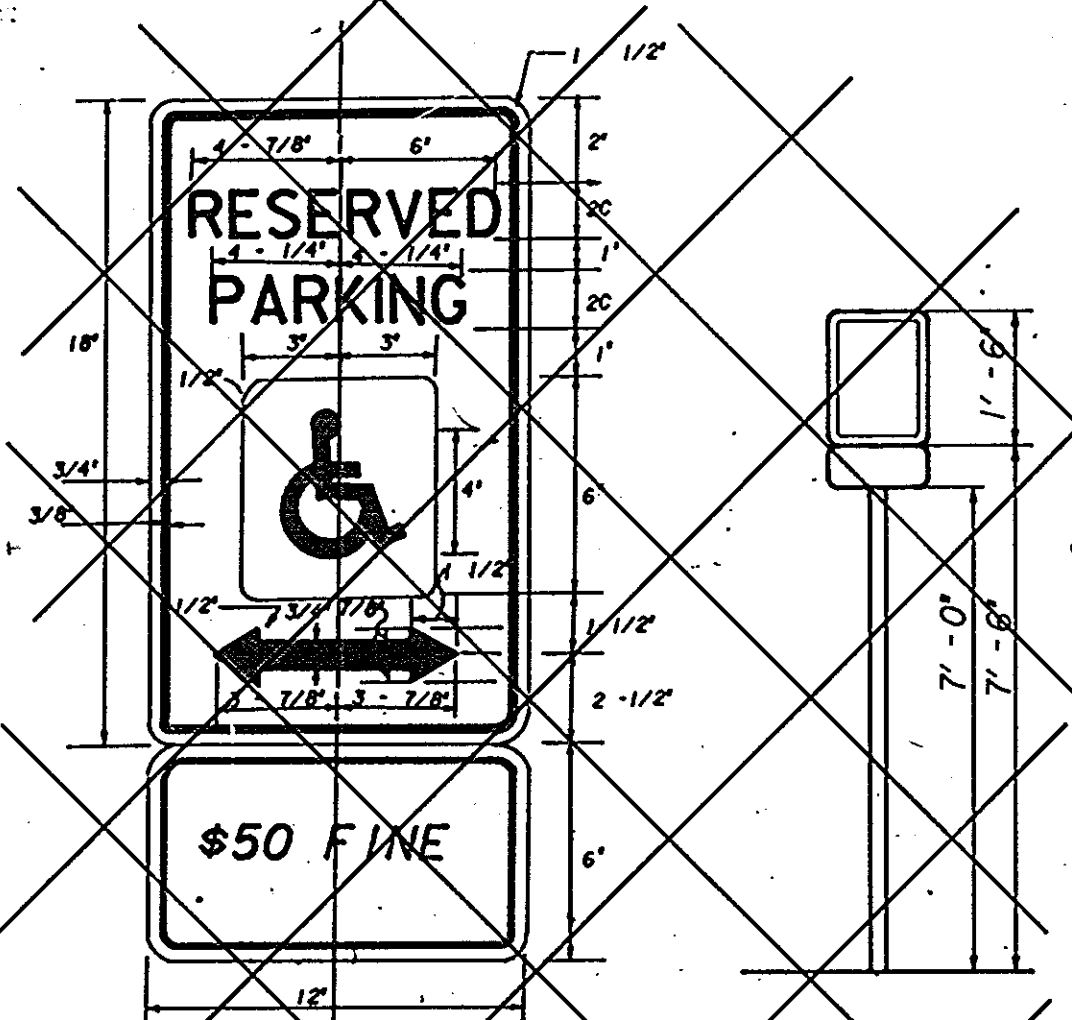
SEDIMENT CONTROL

By the Developer:  
I/we certify that all development and construction will be in accordance with this plan, and that every responsible person involved in the construction project will have a Certificate of Attendance of a Department of Natural Resources approved Training Program for the control of Sediment and Erosion before beginning the project.  
DATE 9-2-87

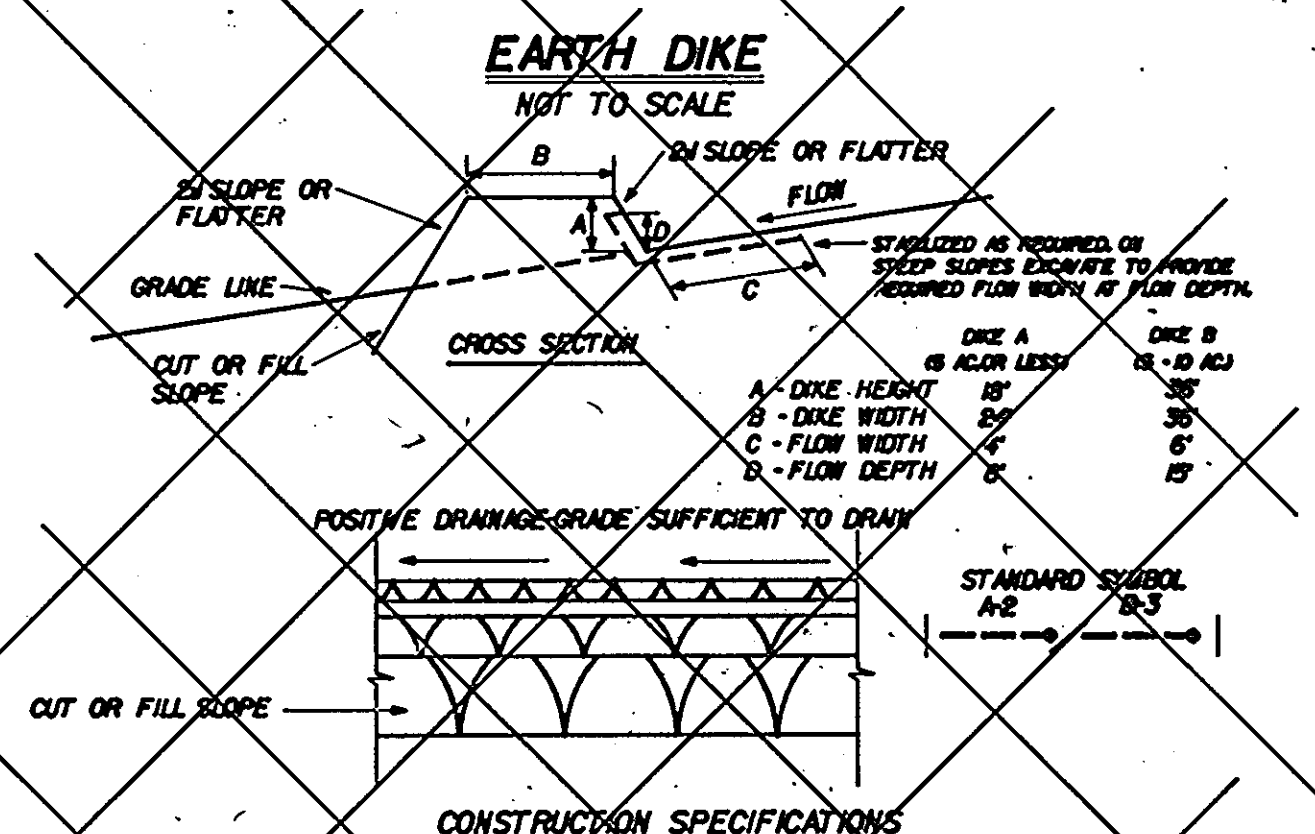
By the Engineer:  
I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.  
DATE 9-2-87

Reviewed for HOWARD S.C.D.  
DATE 11-6-87

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
DATE 11-6-87



- HANDICAPPED PARKING SIGN**
- ALL REFERENCED MATERIAL WAS TAKEN FROM STATE OF MARYLAND STANDARD HIGHWAY SIGNS BOOKLET, P.O. BOX 717, 707 NORTH VALVERT ST., BALTIMORE, MD, 21203
  - STANDARD COLORS - GREEN LEGEND & BORDER - GREEN WHITE SYMBOL ON BLUE BACKGROUND BACKGROUND WHITE
  - ONE SIGN IS REQUIRED FOR EACH PARKING SPACE.
  - 'RESERVED PARKING' SIGN SETS INCLUDE A 12" X 18" RESERVED PARKING SIGN WITH A 12" X 6" SUPPLEMENTAL SIGN DESIGNATING THE SPACE BELOW IT. THE ADDITIONAL SIGN INTENDED TO RESERVE THE PARKING SPACE ONLY FOR PERSONS WITH AN OFFICIAL PERMIT OR HANDICAP PLATE SHOULD BE NO LOWER THAN 7'-0" NORMAL MOUNTING OF SIGN(S) OR SET(S) OF SIGNS SHALL BE ON A STEEL POST PLACED IN THE GROUND ADJACENT TO THE PARKING SPACE. THE BOTTOM OF THE SIGN OR SET SHALL BE SEVEN FEET SIX INCHES ABOVE THE GRADE IN THE PARKING SPACE. THE SUPPLEMENTAL SIGN SHOULD BE NO LOWER THAN 7'-0" NORMAL MOUNTING OF SIGN(S) OR SET(S) OF SIGNS SHALL BE ON A STEEL POST PLACED IN THE GROUND ADJACENT TO THE PARKING SPACE.

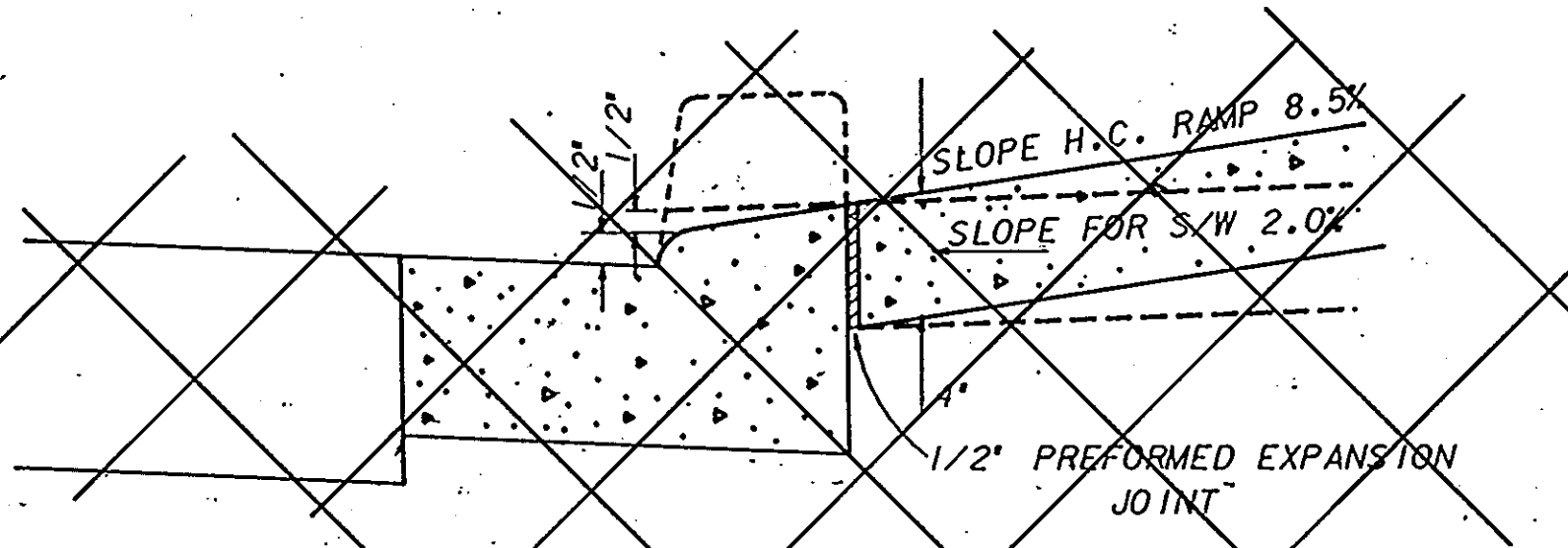


- CONSTRUCTION SPECIFICATIONS**
- ALL DIKES SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
  - ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
  - TOP WIDTH MAY BE WIDEN AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
  - FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
  - EARTH DIKES SHALL HAVE AN 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 ADEQUATELY STABILIZED.
  - STABILIZATION SHALL BE 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.

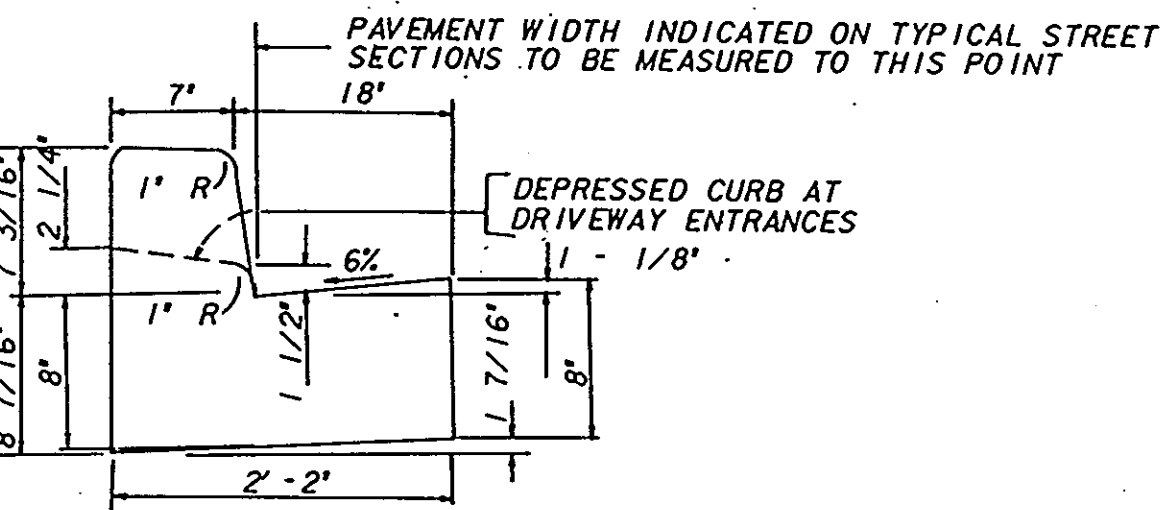
**FLOW CHANNEL STABILIZATION**

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	5-30%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	5-30%	SEED AND STRAW MULCH	SEED USING JUTE OR 2" STONE
3	5-30%	SEED WITH JUTE OR 2" STONE	LINED RIP-RAP
4	0-20%	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

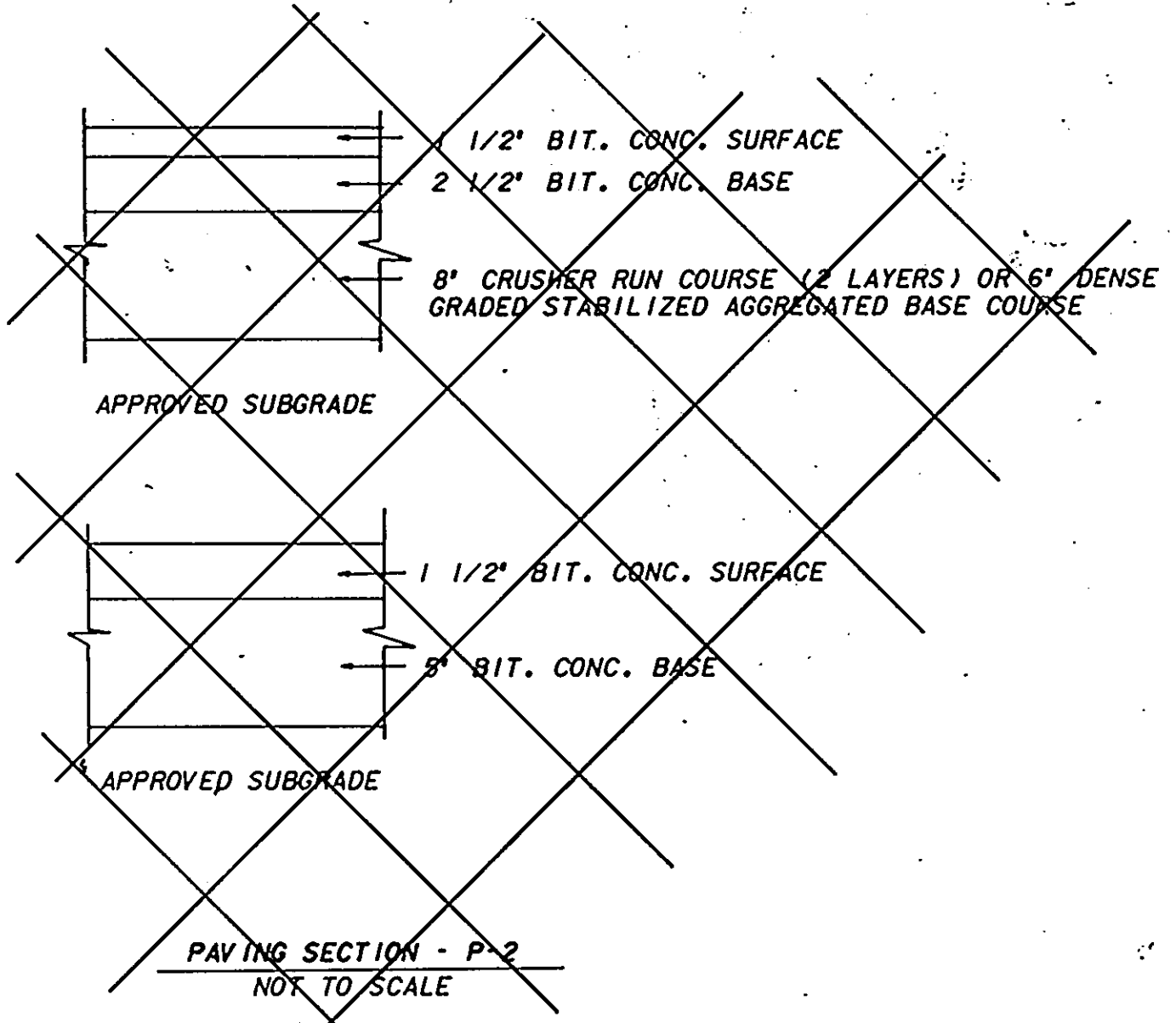
A. STONE TO BE 2 INCH STONE OR RECYCLED CONCRETE EQUIVALENT IN A LAYER AT LEAST 3 INCHES IN THICKNESS AND BE PRESSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT.  
B. RIP-RAP TO BE 4-8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND PRESSED INTO THE SOIL.  
C. APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.  
D. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.



**MODIFIED DEPRESSED CURB (FOR HANDICAPPED ACCESS)**  
NO SCALE



**STD. 7" COMB CONC. CURB & GUTTER**  
HO. CO. STD. SPECS. R. 3.01 (NOT TO SCALE)



**PAVING SECTION - P-2**  
NOT TO SCALE

OWNER:  
OAKLAND MILLS INTERFAITH, INC.  
5855 ROBERT OLIVER PLACE  
COLUMBIA, INC. 21045

No.	REVISION	DATE	BY

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS SURVEYORS PHOTOGRAMMETRISTS  
**GREENHORNE & OMARA, INC.**  
113 WEST ROAD, SUITE 208  
BALTIMORE, MD. 21204  
(301)298-4100  
ANNAPOLIS, MD ATLANTA, GA AURORA, CO CULPEPER, VA EXPORT, PA FAIRFAX, VA  
GREENBELT, MD MANASSAS, VA ROCKVILLE, MD RALEIGH, NC TAMPA, FL

**SITE PLAN & SEDIMENT CONTROL DETAILS**  
LOT 7, SECTION 2, AREA 4  
COLUMBIA, VILLAGE OF OAKLAND MILLS  
6TH ELECTION DISTRICT HOWARD CO., MARYLAND

DESIGN	SCALE
CADD DRAWN	NONE
RHM CHECKED	2 OF 2
AUG. '87 DATE	B-1041-X FILE No.