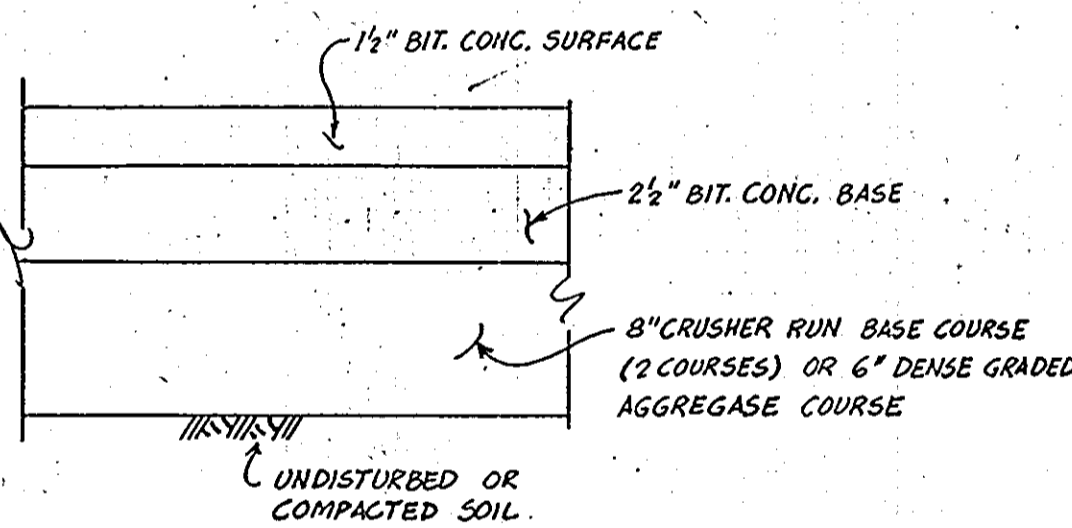


SEDIMENT CONTROL NOTES

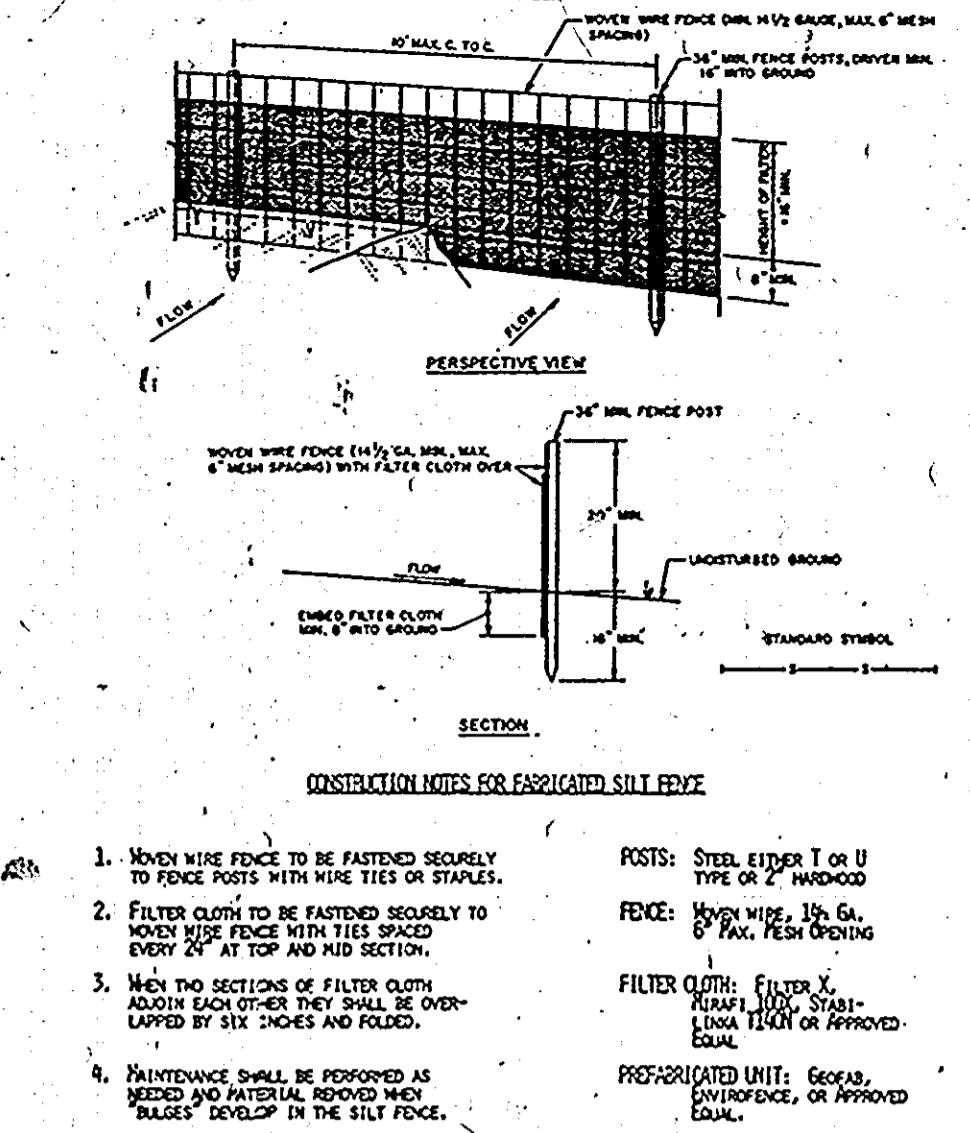
- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) Following are initial soil disturbance or redisturbance, 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.
- 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 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.
- 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 .45 Acres
 Area Disturbed .41 Acres
 Area to be roofed or paved .33 Acres
 Area to be vegetatively stabilized .08 Acres
 Total Cut 400 Cu. yds.
 Total Fill 260 Cu. yds.
 Offsite waste/borrow area location ADVISE SOIL CONSERVATION INSPECTOR
- 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.

CONSTRUCTION SEQUENCE

1. OBTAIN GRADING PERMIT.
2. NOTIFY THE HOWARD CO. BUREAU OF LICENCES, INSPECTIONS AND PERMITS AND THE CONSTRUCTION INSPECTION/SURVEYS DIVISION AT 100-7272.
3. INSTALL TEMPORARY SEDIMENT CONTROL MEASURES. (SCE, SF)
4. ROUGH GRADE SITE. APPLY TEMPORARY STABILIZATION.
5. CONSTRUCT ELOS. MAINTAIN TEMPORARY SEDIMENT CONTROL MEASURES.
6. FINE GRADE SITE. APPLY PERMANENT STABILIZATION.
7. REMOVE TEMPORARY SEDIMENT CONTROL MEASURES WITH APPROVAL OF THE HOWARD CO. BUREAU OF LICENCES, INSPECTIONS AND PERMITS.

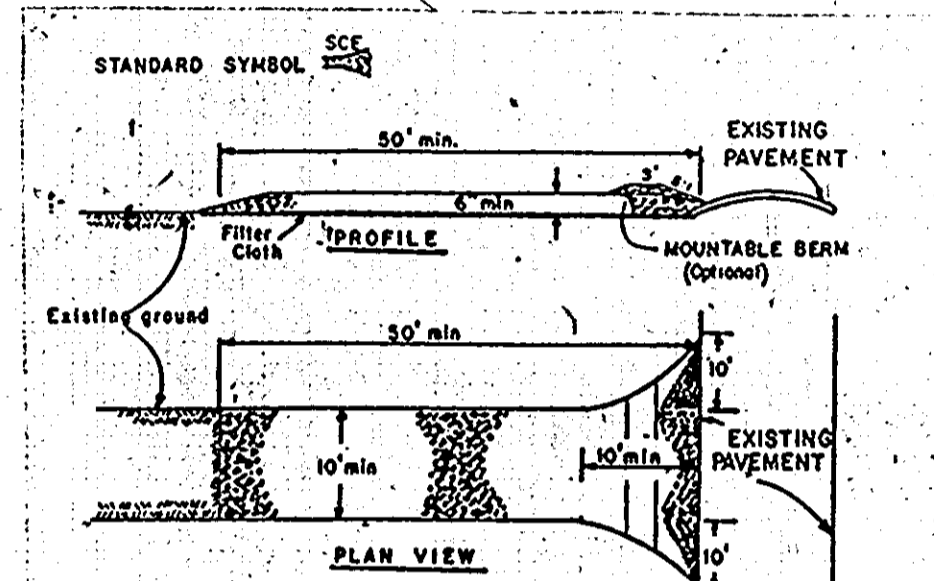


P2 PAVING SECTION
HO. CO. STD DET. R-2.01



SILT FENCE

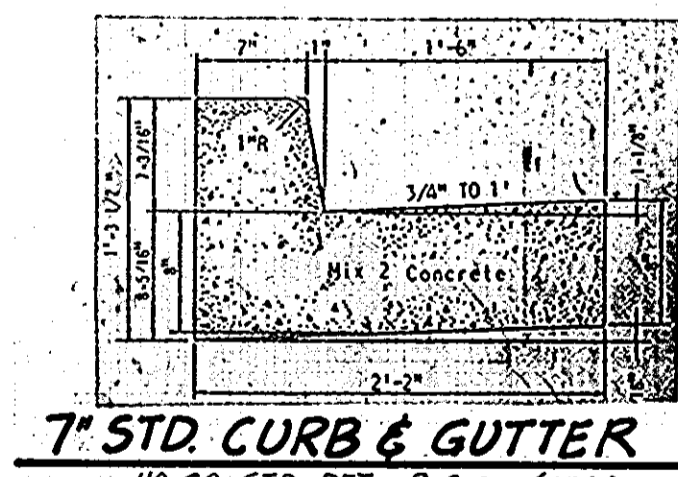
S.C.S. STD DET. SF-1 (N.T.S.)



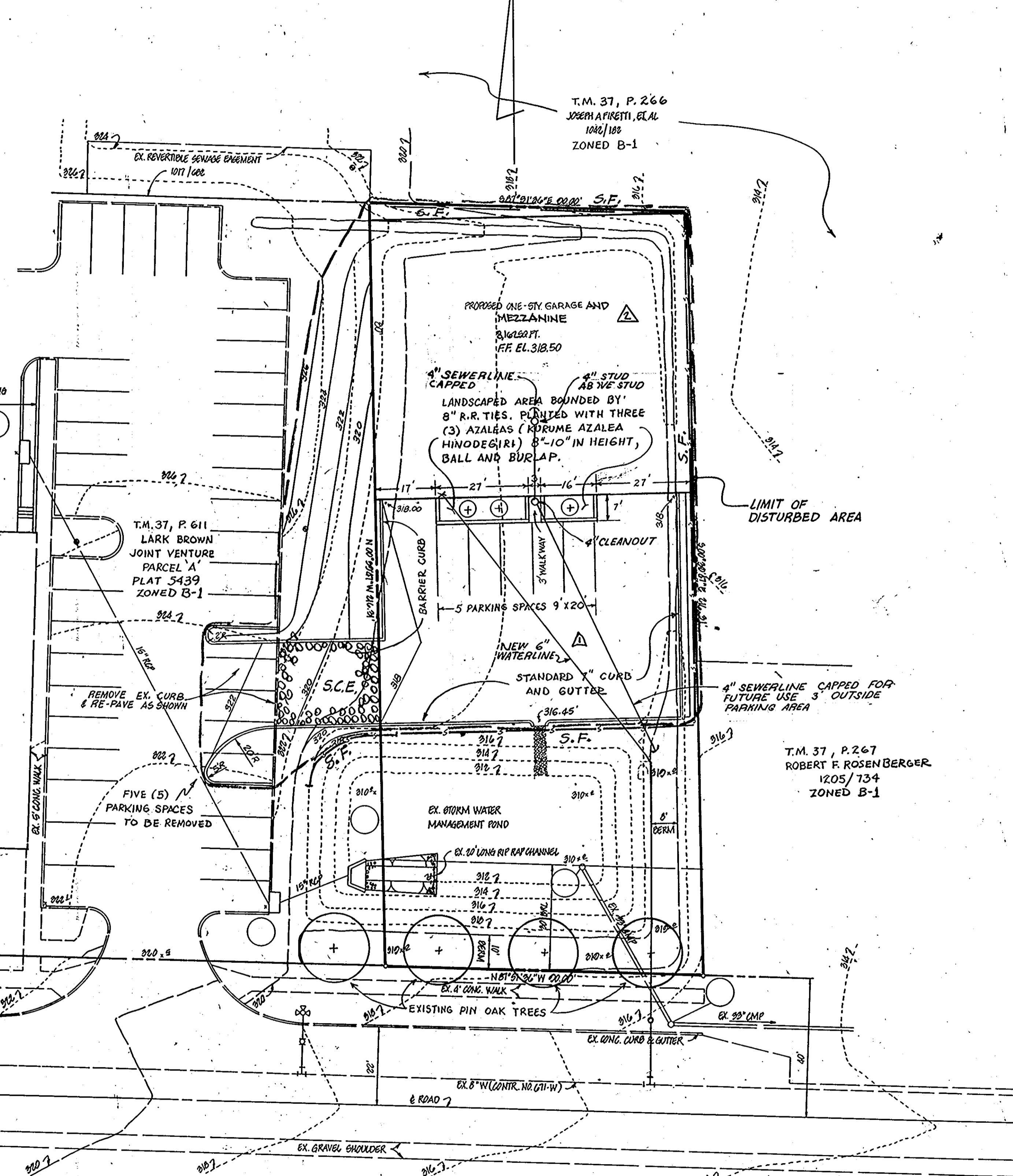
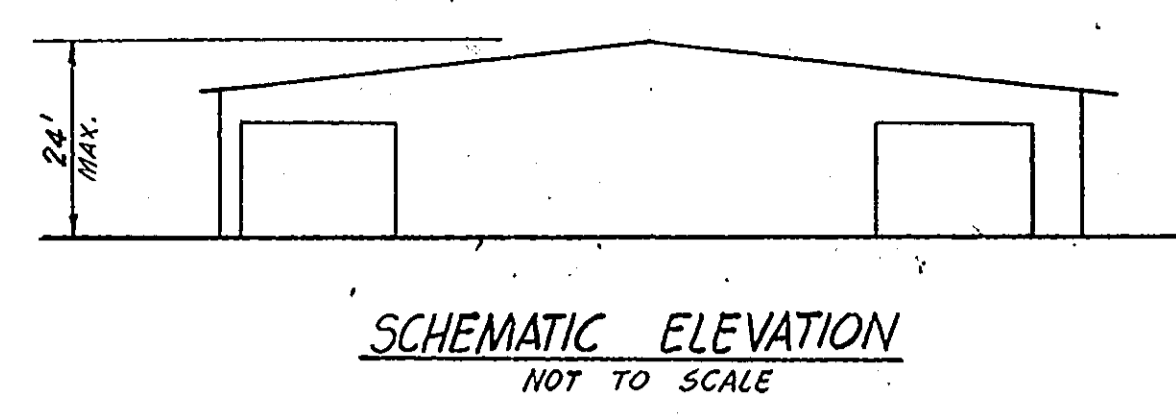
- CONSTRUCTION SPECIFICATIONS**
1. Stone Size - One (1) stone, or recycled or recycled concrete equivalent.
 2. Length - As required, but not less than 50 feet (concrete on a single treatment lot where a 30 foot minimum length would apply).
 3. Thickness - Not less than six (6) inches.
 4. Width - Ten (10) feet 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 flowage 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 regular and/or cleanout of any measures used to trap sediments. All sediment applied, 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.

STABILIZED CONSTRUCTION ENTRANCE

S.C.S. STD DET. SCE-1 (Not to Scale)



7 inch STD CURB & GUTTER
HO. CO. STD DET. R-3.01 (N.T.S.)



VICINITY MAP
SCALE: 1"=1000'

GENERAL NOTES

1. TAX MAP: 87 ; PARCEL: C11
2. DEED REFERENCE: 1014/970 ; PLAT REFERENCE: PLAT 5430
3. EX ZONING: B-1
4. BUILDING COVERAGE: 7200 SQUARE FEET (36.7% OF THE SITE)
5. SEE NOTE #22 BELOW
6. ALL ON-SITE DRIVEWAYS AND PARKING AREAS ARE PRIVATE
7. AREA OF SITE: 0.45 AC.
8. AREA OF PARKING LOT: .13 AC
9. AREA OF OPEN SPACE: 0.16 AC (35.6% OF THE SITE)
10. LARK BROWN ROAD IS AN EXISTING PUBLIC ROAD.
11. ANY DAMAGE TO THE COUNTY OWNED RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
12. ALL CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.
13. CONTRACTOR TO VERIFY THE LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING WORK.
14. CONTRACTOR TO NOTIFY MISS UTILITY AT 1-800-200-0100 AT LEAST FIVE DAYS PRIOR TO BEGINNING CONSTRUCTION.
15. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEYS DIVISION, 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 100-7272.
16. STORM WATER MANAGEMENT PROVIDED FOR UNDER SDP-82-81.
17. 0. BONDING EX. PERC HOLES.
18. BUILDING USE: GARAGE FOR VEHICULAR AND RELATED EQUIPMENT TO BE USED IN CONJUNCTION WITH OFFICES ON ADJOINING SITE. USE OF THIS BUILDING SHALL NOT CHANGE WITHOUT OFFICE OF PLANNING AND ZONING WRITTEN APPROVAL.
19. AREA OF PROPOSED PARKING LOT - 5440 S.F. REQUIRED LANDSCAPED AREA - 272 S.F. PROVIDED LANDSCAPED AREA - 301 S.F.
20. PARKING (FROM SDP 82-81) REQUIRES PROVIDED EXCESS 35 53 +18
 NO ADDITIONAL PARKING REQUIRED FOR LOT 3. FIVE SPACES WILL BE REMOVED FROM PARCEL 'A' AND FIVE REPLACED ON LOT 3.
21. STORED VEHICLES WILL BE SERVICED IN THE PROPOSED GARAGE STRUCTURE.
22. PUBLIC WATER WILL BE UTILIZED. PUBLIC SEWER CONNECTION WILL BE MADE AS IT BECOMES AVAILABLE. AT PRESENT THERE WILL BE NO SANITARY CONNECTION FOR THE BUILDING.
23. BUILDING AREA:
 GROUND FLOOR: 7,200 SF
 MEZZANINE: 962 SF
24. MEZZANINE TO BE USED FOR STORAGE ONLY.

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 11-11-85

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
 PLANNING DIRECTOR: *[Signature]* DATE: 11-13-85

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *[Signature]* DATE: 11-12-85

APPROVED: FOR PUBLIC WATER, AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
 DIRECTOR: *[Signature]* DATE: 10-24-85

CHIEF, BUREAU OF ENGINEERING: *[Signature]* DATE: 10-24-85

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS: *[Signature]* DATE: 10/22/85

U.S. SOIL CONSERVATION SERVICE: *[Signature]* DATE: 10/22/85

THIS DEVELOPMENT IS APPROVED SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 SOIL CONSERVATION DISTRICT: *[Signature]* DATE: 10/22/85

DEVELOPER'S CERTIFICATE

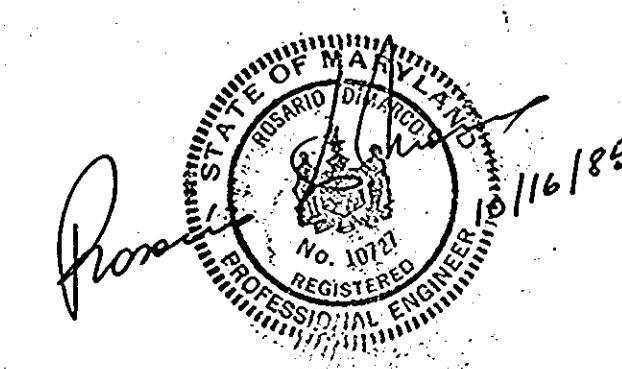
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING 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 ARE DEEMED NECESSARY.

DEVELOPER: *[Signature]* DATE: 3/29/85

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.

ENGINEER: *[Signature]* DATE: 4/29/85



APPROVED: DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION, HOWARD COUNTY, MARYLAND.
 DATE: 9-19-85
[Signature]

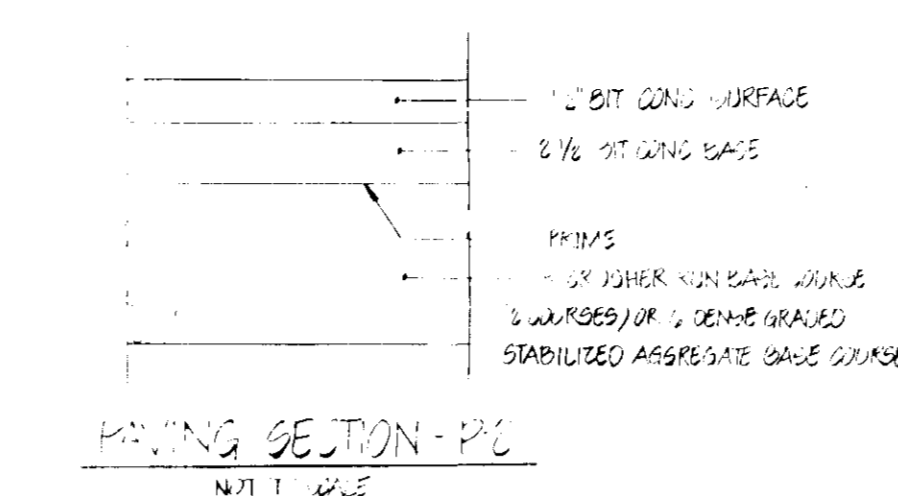
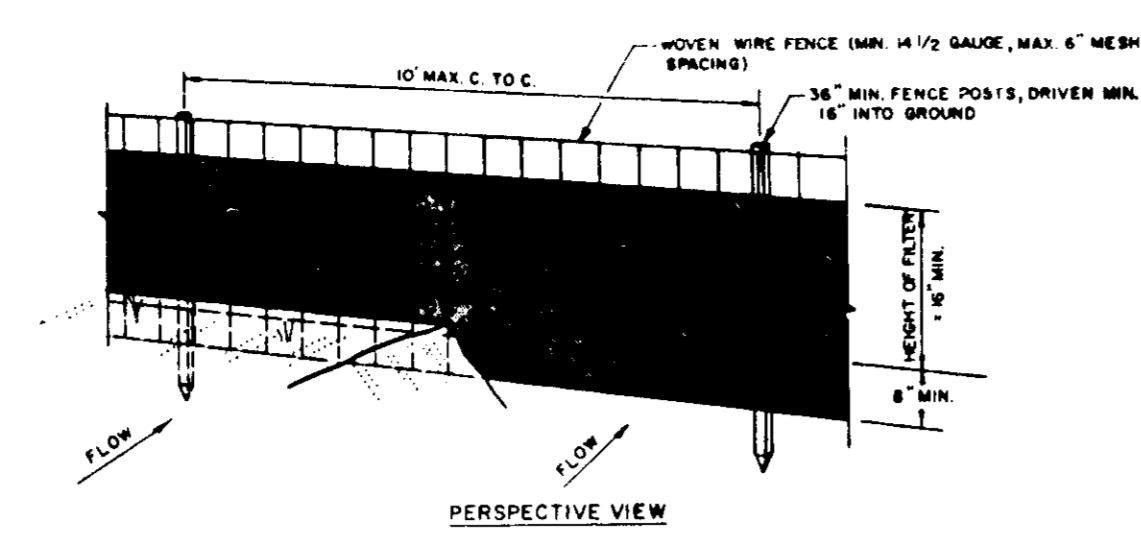
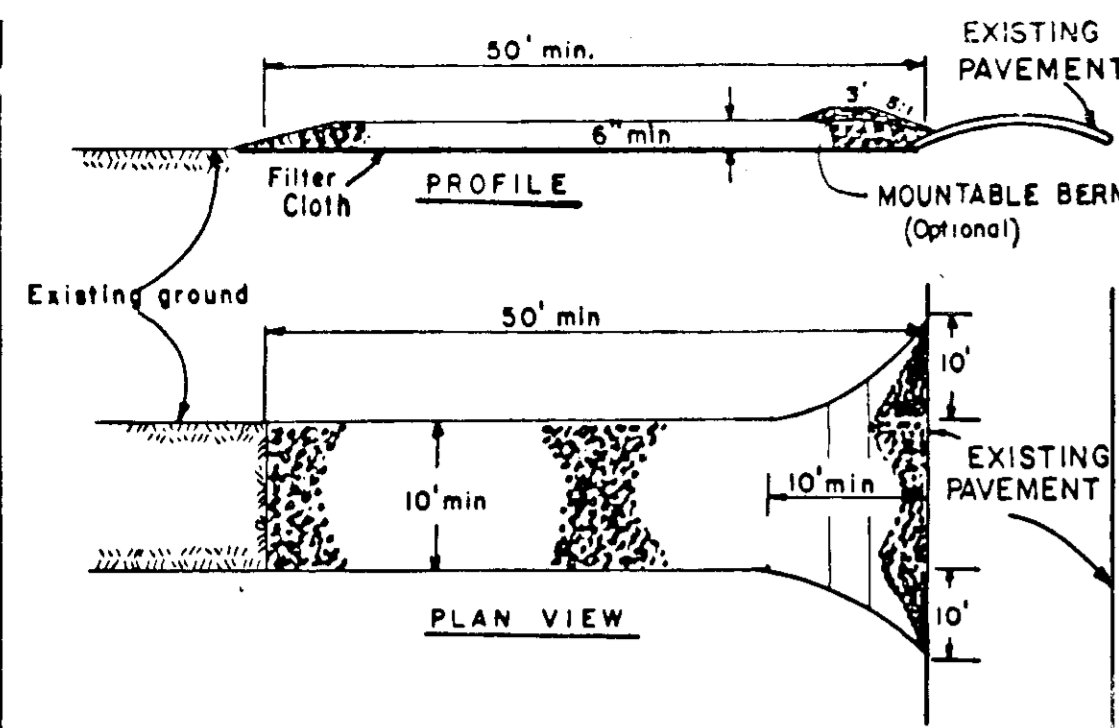
SUBDIVISION NAME PATRICK H. THOMPSON PROPERTY		SECT./AREA	LOT/PARCEL # 2018	TITLE: SITE DEVELOPMENT PLAN
PLAT # RAT 4667	BOOK # 20	ZONED B-1	PLAT/ZONE MAP 6 TH	PROJECT: P.H. THOMPSON PROP., LOT 3
LOCATION: 6TH ELECTION DISTRICT HOWARD CO., MD.		SCALE: 1"=20'		
DESIGNED BY: OP		DRAWN BY: OP		
CHECKED BY: OP		DATE: MARCH, 1985		
FIELD BOOK:		PAGE NO.:		DRAWING NO.:
		02030		1 OF 2

ADDRESS CHART	
6-12-82	ADDED MEZZANINE
8-14-82	CHANGES ON WATERLINE
LOT NUMBER	STREET ADDRESS
LOT 9	8150 LARK BROWN ROAD

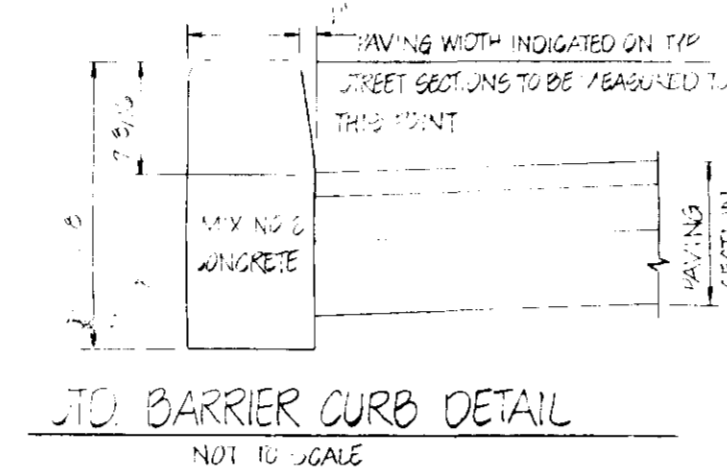
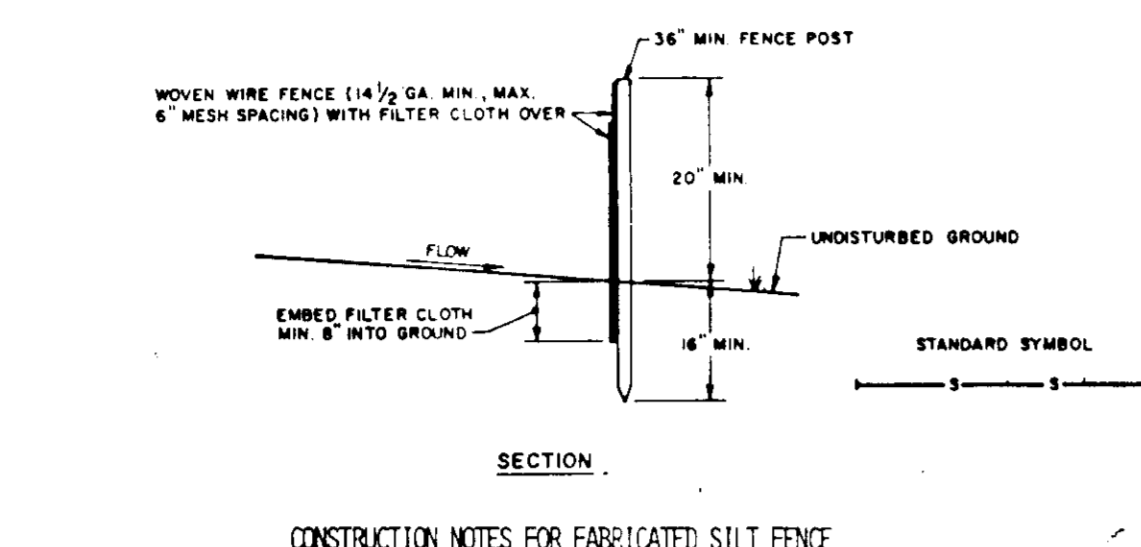
OWNER & DEVELOPER
 HAMON PROPERTY, INC.
 c/o JOHN E. HAMEL
 6555 DOBBIN ROAD
 COLUMBIA, MD. 21045

boender associates inc.
 consulting engineers
 land surveyors
 land planners

COURTHOUSE SQUARE
 3565 ELLICOTT MILLS DRIVE
 ELLICOTT CITY, MD. 21043
 13011 465-7777



- CONSTRUCTION SPECIFICATIONS**
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 cleanup 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.



- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
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 24" 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 "BLAGES" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
 FENCE: WOVEN WIRE, 1 1/2 GA. 6" MAX. MESH OPENING
 FILTER CLOTH: FILTER X, MIRAFLEX, STABILINKA T100N OR APPROVED EQUAL
 PREFABRICATED UNIT: GEOFAB, ENVIRFENCE, OR APPROVED EQUAL

STABILIZED CONSTRUCTION ENTRANCE - S.C.E.

NOT TO SCALE

SILT FENCE - S.F.

NOT TO SCALE

PERMANENT SEEDING NOTES

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

Seeding 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:

1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 800 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding.

Narrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).

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.

Narrow 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 (14 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 80 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.5 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) 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 (30 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 200 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 300 gallons per acre (8 gal/1000 sq ft) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs, replacement and reseedings.

TEMPORARY SEEDING NOTES

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

Seeding Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

Soil Amendments: Apply 800 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)

Seeding: For periods March 1 thru April 30 and from August 1 thru November 15, seed with 25 bushels per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 15, seed with 3 lbs per acre of weeping lovegrass (0.7 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use seed.

Mulching: Apply 1 1/2 to 2 tons per acre (30 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 200 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 300 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.

APPROVED FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT.
 [Signature] 11-11-85
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
 [Signature] 11-13-85
 PLANNING DIRECTOR DATE

[Signature] 11-12-85
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED FOR PUBLIC WATER, DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
 [Signature] 10-14-85
 DIRECTOR DATE

[Signature] 10-24-85
 CHIEF, BUREAU OF ENGINEERING DATE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
 [Signature] 11/12/85
 U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 [Signature] 1/29/85
 SOIL CONSERVATION DISTRICT DATE

DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL NECESSARY AND CONSIDERABLE NEIGHBORING PROPERTY OWNERS HAVE BEEN ADVISED OF THE PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL NECESSARY PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A REASONABLE KNOWLEDGE OF THE LOCATION OF NATURAL RESOURCES APPROVED BY THE DEPARTMENT OF ENVIRONMENT AND PLANNING. THE PROJECT WILL BE MAINTAINED AND MONITORED BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS AS REQUIRED BY THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

[Signature] 3/29/85
 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.

[Signature] 4/29/85
 DATE



APPROVED
 DIVISION OF LAND DEVELOPMENT AND ZONING
 HOWARD COUNTY
 DATE: 9-19-85
 [Signature]

OWNER & DEVELOPER
 HAMLEN PROPERTY, INC.
 c/o JOHN E. HANDEL
 6650 CORBIN ROAD
 COLUMBIA, MD 21045

TITLE: DETAILS		boender associates inc. consulting engineers land surveyors land planners
PROJECT: P.H. THOMPSON PROP., LOT 3		
LOCATION: 6TH ELECTION DISTRICT HOWARD CO. MD		COURTHOUSE SQUARE 3565 ELLICOTT MILLS DRIVE ELLICOTT CITY, MD 21043 (301) 455-7777
SCALE: AS SHOWN	DESIGNED BY:	
FIELD BOOK:	PAGE NO.:	
JOB NO.: 89090	CHECKED BY: MARCH 1985	
DATE: 9-19-85		DATE: 8 OF 2

SDP-86-43