

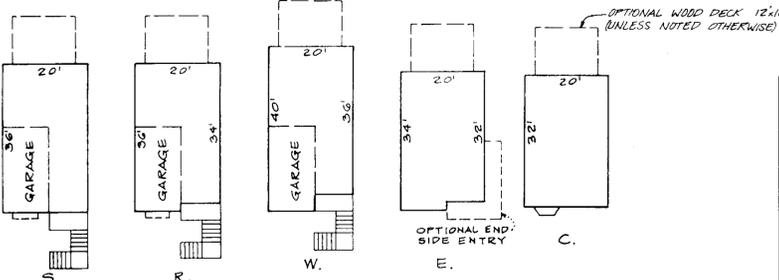
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 7-23-90
 APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR: *[Signature]* DATE: 4-30-90
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEM AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* DATE: 4-19-90
 CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 4-19-90

2-14-90

PARCEL F BOWLING BROOK FARMS LOTS F-1 THRU F-42

GENERAL NOTES

- THE APPROXIMATE LOCATION OF ALL UTILITIES IS SHOWN BASED ON INFORMATION OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL LOCATE, PROTECT AND SUPPORT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER/INSPECTOR, AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS.
 STATE HIGHWAY ADMINISTRATION - 531-5533
 BALTIMORE GAS & ELECTRIC COMPANY - 561-2585 (CONTRACTOR SERVICES)
 BALTIMORE GAS & ELECTRIC COMPANY - 234-6313 (UNDERGROUND DAMAGE CONTROL)
 BALTIMORE GAS & ELECTRIC COMPANY - 298-9013 (TROUBLESHOOTING)
 "MISS UTILITY" - 800-257-7777
 CHESAPEAKE & POTOMAC (C&P) TELEPHONE COMPANY - 725-9976
 BUREAU OF UTILITIES/HOWARD COUNTY - 992-2366
- ALL DETAILS NOT SHOWN ON THE DRAWINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARD DETAILS.
- ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH HOWARD COUNTY SPECIFICATIONS AND HOWARD COUNTY DESIGN MANUAL, VOLUME IV.
- ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, LATEST EDITION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- TREES SHALL BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT POSSIBLE. TREES SIX INCH (6") DIAMETER OR GREATER (MEASURED FOUR FEET (4') ABOVE EXISTING GRADE) ADJACENT TO THE LIMITS OF CONSTRUCTION SHALL NOT BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- ALL HORIZONTAL AND VERTICAL CONTROLS ARE BASED ON HOWARD COUNTY GEODETIC SURVEY.
- TOPOGRAPHY TAKEN FROM MAPS PREPARED BY PHOTOGRAMMETRY BY "AERIAL SURVEYS" IN 1984. TOPOGRAPHY FIELD CHECKED 1986.
- PARKING AREAS SHALL MEET ALL ZONING REGULATIONS AND ALL DEPARTMENT OF PUBLIC WORKS PAVING SPECIFICATIONS.
- NUMBER OF PARKING SPACES PER BAY ARE INSCRIBED IN A CIRCLE. EXAMPLE:
- ALL STREET SIGNS SHALL CONFORM TO REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES." THE FOLLOWING SIGNS ARE SHOWN ON THESE PLANS:
 D3 - STREET IDENTIFICATION SIGN
 R2-1 - SPEED LIMIT SIGN
 R1-1 - STOP SIGN
 FL - FIRE LANE AND TOWAWAY ZONE SIGN
- THIS PROPERTY IS BOUNDED ON THE NORTH BY GORMAN ROAD, ON THE SOUTH AND WEST BY PARCELS N AND P, ZONED RSC AND ON THE EAST BY PARCEL E, SECTION 3, AREA 1, ZONED RSC/RSA-8.
- THIS SUBMISSION IS ZONED RSC.
- GARAGES ARE TO BE USED FOR PARKING PURPOSES ONLY IN ACCORDANCE WITH SECTION 127.B2.B. (18).
- THE CONTRACTOR OF DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 792-2630.
- SEE OPZ FILE NOS. PB-196, P-89-20, VP-85-78, VP-85-78-A1, VP-85-78-A2, S-85-23, S-86-57, F-89-227.
- RESIDENTS WILL PROVIDE MODIFIED REFUSE COLLECTION.
- FIRE LANES SHALL BE MARKED IN ACCORDANCE WITH TITLE 21 OF THE HOWARD COUNTY OFFICE CODE AND WHERE DESIGNATED BY COMMENTS OF THE OFFICE OF THE FIRE ADMINISTRATOR.

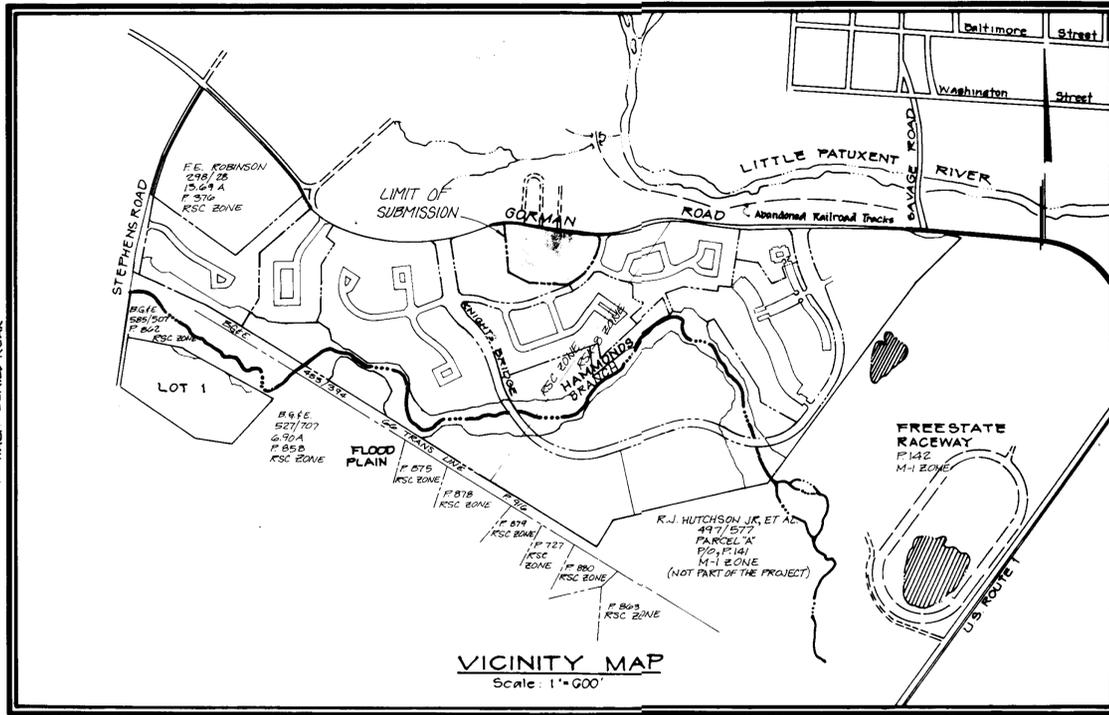


NOTE: ALL ROOF OVERHANG = 3"
 C.) (20' x 33.33') + (1.33' x 6') = 674.58 sq ft
 E.) (20' x 33.33') + (3.33' x 5') + (4' x 14') = 792.57 sq ft
 R.) (20' x 37.33') + (1.33' x 6') = 754.58 sq ft
 S.) (20' x 37.33') + (1.33' x 6') = 754.58 sq ft
 W.) (20' x 41.33') = 826.60 sq ft



LEGEND

EXISTING CONTOUR	- - - - -	+340
PROPOSED CONTOUR	_____	+340
SPOT ELEVATION	_____	+40±
DIRECTION OF DRAINAGE	_____	
LIMITS OF SUBMISSION	_____	
PROPERTY LINE	_____	
EXISTING CENTER LINE	_____	
PROPOSED CENTER LINE	_____	
EASEMENT	_____	
PROPOSED R/W	_____	
HANDICAP RAMP	_____	HCR
WALK OUT BASEMENT	_____	
FIRE LANE & TOWAWAY ZONE	_____	FL
TRAFFIC CONTROL SIGN STOP	_____	R1-1
TRAFFIC CONTROL SIGN SPEED LIMIT	_____	R2-1
STREET I.D. SIGN	_____	D3
APPROX. LIMIT OF CLEARING	_____	
0 RISER		
1 RISER		
2 RISERS		
3 RISERS		
3R LEAD WALK		
2R		
1R		



SITE DEVELOPMENT PLANS HOWARD COUNTY, MARYLAND

INDEX TO DRAWINGS

- TITLE SHEET
- SITE DEVELOPMENT PLAN
- DETAIL SHEET
- LANDSCAPING PLAN
- EROSION AND SEDIMENT CONTROL NOTES AND DETAILS
- EROSION AND SEDIMENT CONTROL PLAN

OWNER/DEVELOPER

GORMAN ROAD LIMITED PARTNERSHIP
 C/O JAMES F. KNOTT DEVELOPMENT CORPORATION
 110 WEST ROAD, SUITE 203
 TOWSON MARYLAND 21204
 (801) 321-6436

SITE ANALYSIS

1. ZONE	RSC
2. PROPOSED USE	TOWNHOUSES
3. DWELLING UNITS PROPOSED	40
4. AREA TABULATION:	
LOTS	1.94 ACRES
PUBLIC ROADS	0.91 ACRES
OPEN SPACE PROVIDED	3.05 ACRES
5. PARKING REQUIRED:	
16 UNITS WITH GARAGES	X 2 = 32
24 UNITS WITH COMMON PARKING AREA	X 2 = 48
TOTAL REQUIRED	= 80
6. PARKING PROVIDED:	
UNITS WITH GARAGES	16 SPACES IN DRIVEWAY
COMMON PARKING AREA	16 SPACES IN GARAGE
TOTAL PROVIDED	55 SPACES
7. BUILDING COVERAGE	87 SPACES
	0.69 ACRES (11.7%)

DENSITY TABULATION

1. GROSS AREA	5.90 ACRES
2. FLOODPLAIN/STEEP SLOPES	
3. NEW AREA	5.90 ACRES
4. NUMBER OF DWELLING UNITS ALLOWED (BASED ON NET AREA)	23.60
5. FLOODPLAIN LOT ADJUSTMENT LOT ALLOWANCE	23.36
6. TOTAL NUMBER OF DWELLING UNITS ALLOWED	25.96
7. TOTAL NUMBER OF DWELLING UNITS PROPOSED	40
8. DENSITY PER ACRE	6.73*

* DENSITY PER ACRE WILL NOT VIOLATE THAT ALLOWED BY ZONING REGULATION WHEN RECORDED BASED UPON UNUSED DENSITY FROM PREVIOUSLY RECORDED PARCELS.

SEDIMENT CONTROL MEASURE FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THE STANDARD SPECIFICATIONS AND ROAD CONSTRUCTION PLAN F-89-227 AND SDP

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT
[Signature] DATE: 3/16/90

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.
 APPROVED: *[Signature]* DATE: 3/16/90
 HOWARD SCD

SUBDIVISION NAME	BOWLING BROOK FARMS	SECT. AREA	LOT/PARCEL #
PLAT # OR L.P.	9350-9351	BLOCK #	16
ZONE	RSC	TAX/ZONE MAP	47
ELEC. DIST.	6	CENSUS TR.	6063
WATER CODE	003	SEWER CODE	7270000

NO.	DESCRIPTION	DATE	APPROVED	DATE
1	REVISED PER HO CD COMMENTS	3/16/90	<i>[Signature]</i>	3/16/90
REVISION APPROVED BY				



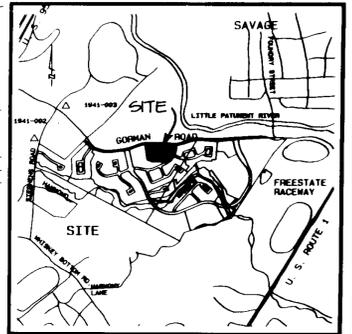
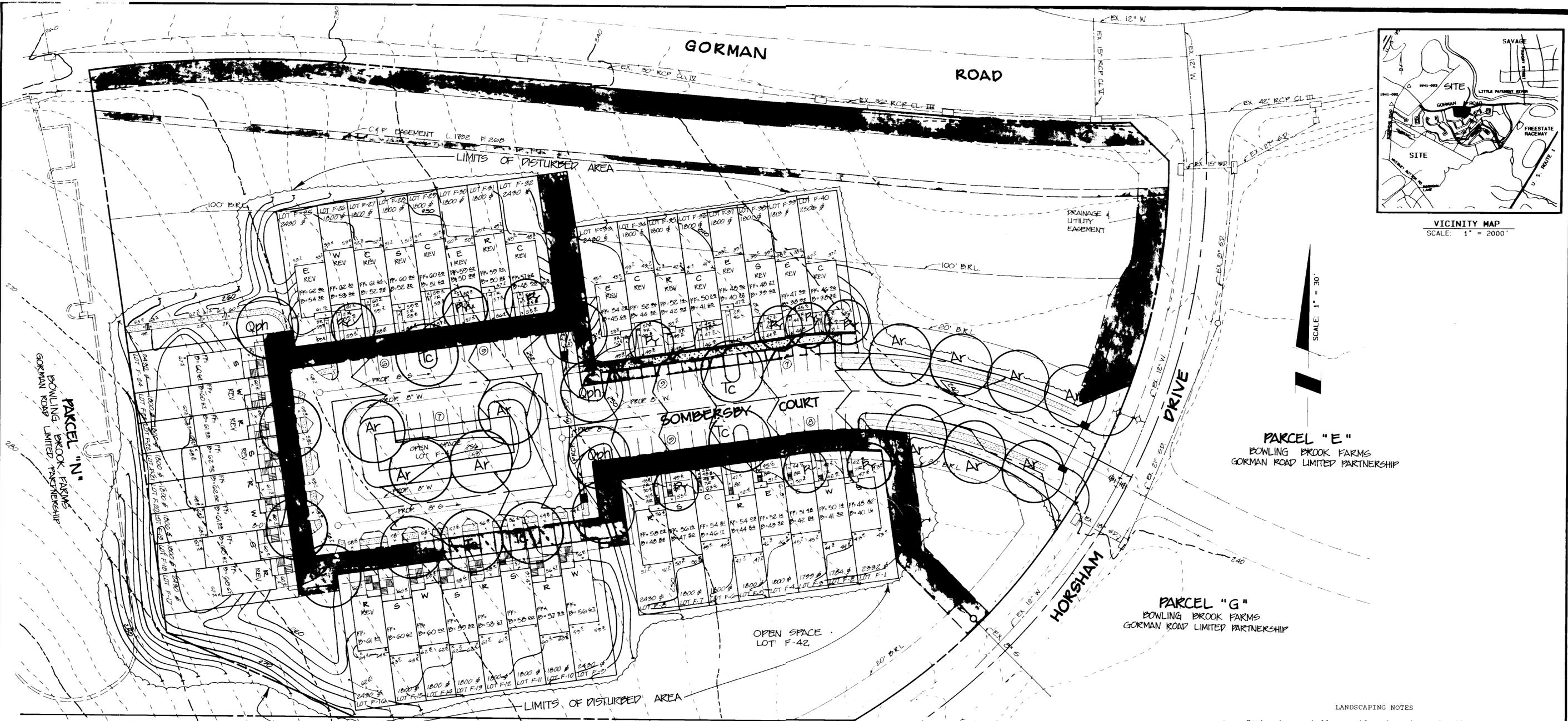
REVISED

TITLE SHEET

Patton Harris Rust and Associates
 A Professional Corporation
 Engineers, Surveyors, Planners and Landscape Architects
 7609 Standish Place Rockville, Maryland 20855 (301)762-2220

BOWLING BROOK FARMS
 PARCEL F
 LOTS F-1 THRU F-42
 A RESUBDIVISION OF PARCEL F BOWLING BROOK FARMS
 SIXTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SURVEY P.H.R. #A	DATE
DESIGN K.O.R.	6/23/90
DRAWN P.A.	SHEET
CHECKED	1 OF 6
SCALE	FILE NO.
C.I.	2104-1-6



PARCEL "E"
 BOWLING BROOK FARMS
 GORMAN ROAD LIMITED PARTNERSHIP

PARCEL "G"
 BOWLING BROOK FARMS
 GORMAN ROAD LIMITED PARTNERSHIP

PARCEL "P"
 BOWLING BROOK FARMS
 GORMAN ROAD LIMITED PARTNERSHIP

- LANDSCAPING NOTES
- Contractor shall verify location of all underground utilities prior to planting (see note #3 on sheet #1).
 - All plant material and planting shall be in accordance with "American standard for nursery stock" by the A.A.N.
 - Substitutions may be permitted with the approval of the landscape architect, (762-2220).
 - Place "Greenspine Linden", "Willow Oak" and "Yoshino Cherry" at radius points on the parking islands or 5' behind the sidewalk along the roadways as shown.
 - Place "Acer rubrum" 3' behind sidewalk, or as shown.

PLANT SCHEDULE

REV	PLANT NAME	SIZE	QUANTITY	REMARKS
Ar	Acer rubrum Red Maple	2 1/2" Cal. 13' - 15'	11	B & B
Py	Prunus yedoensis Yoshino Cherry	1 3/4" - 2" Cal.	10	B & B
Qph	Quercus phellos Willow Oak	2 1/2" Cal. 11' - 13'	5	B & B
Tc	Tilia cordata "Greenspire" Greenspire Linden	2" Cal. 12' - 14'	9	B & B

NOTE: THIS PLAN IS FOR LANDSCAPING PURPOSES ONLY. REFER TO SITE DEVELOPMENT PLAN FOR OTHER INFORMATION.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 4-23-90
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
[Signature] 4-30-90
 DIRECTOR DATE

CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
[Signature] DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 4/19/90
 DIRECTOR DATE

CHIEF BUREAU OF ENGINEERING
[Signature] 4-19-90
 DATE

OWNER/DEVELOPER
 GORMAN ROAD LIMITED PARTNERSHIP
 C/O JAMES F. KNOTT DEVELOPMENT CORPORATION
 110 WEST ROAD, SUITE 203
 TOWSON, MARYLAND 21204
 (301) 321-6436

2-14-90

HOWARD COUNTY APPROVAL

NO.	DESCRIPTION	DATE	APPROVED	DATE
1	REVISED PER VC COMMENTS	2/25/90		

REVISION APPROVED BY

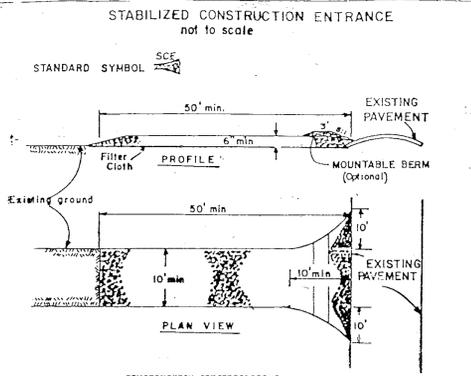


LANDSCAPE PLAN

Patton Harris Rust and Associates
 A Professional Corporation
 Engineers, Surveyors, Planners and Landscape Architects
 7609 Standish Place Rockville, Maryland 20855 (301) 762-2220

BOWLING BROOK FARMS
PARCEL F
 LOTS F-1 THRU. F-42
 A RESUBDIVISION OF PARCEL F
 TAX MAP No. 47 PARCEL 141
 6th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

SURVEY P.H.R. & A. DATE
 DESIGN K.O.K.
 DRAWN E.R., CAD SHEET
 CHECKED 4 OF 6
 SCALE 1" = 30'
 C.I. 2' FILE NO.
 2124-1-G



STABILIZED CONSTRUCTION ENTRANCE
not to scale

STANDARD SYMBOL

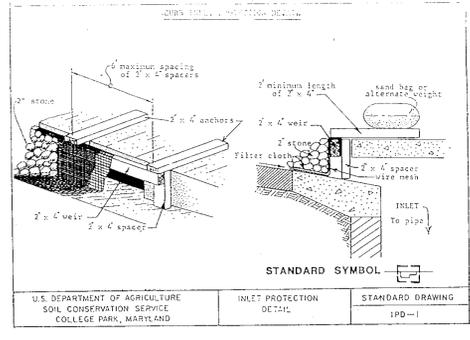
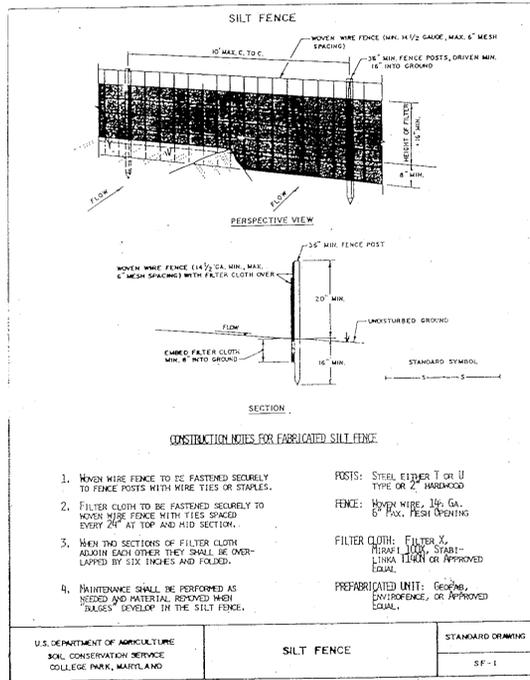
CONSTRUCTION SPECIFICATIONS

- Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
- Length - As required, but not less than 50 feet (except on a single residence lot where a 30 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 will not be required on a single family residence lot.
- 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.
- 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.
- 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.
- Periodic inspection and needed maintenance shall be provided after each rain.

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
COLLEGE PARK, MD.

STABILIZED CONSTRUCTION ENTRANCE

Standard Drawing
SC-1

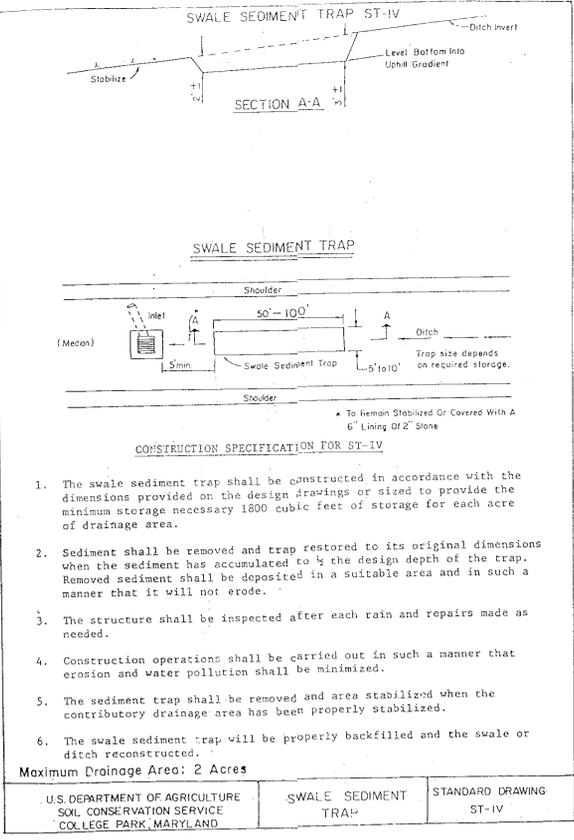


I. Materials

- Wooden frame is to be constructed of 2" x 4" construction grade lumber.
- Wire mesh must be of sufficient strength to support filter fabric, and stone for curb inlets, with water fully impounded against it.
- Filter cloth must be of a type approved for this purpose; resistant to sunlight with sieve size, EOS, 40-85, to allow sufficient passage of water and removal of sediment.
- Stone is to be 2" in size and clean, since fines would clog the cloth.

B. Curb Inlet Protection.

- Attach a continuous piece of wire mesh (30" min. width by throat length plus 4") to the 2" x 4" weir (measuring throat length plus 2") as shown on the standard drawing.
- Place a piece of approved filter cloth (40-85 sieve) of the same dimensions as the wire mesh over the wire mesh and securely attach to the 2" x 4" weir.
- Securely nail the 2" x 4" weir to 9" long vertical spacers to be located between the weir and inlet face (max. 6' apart).
- Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the weir at spacer locations. These 2" x 4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.
- The assembly shall be placed so that the end spacers are a minimum 1' beyond both ends of the throat opening.
- Form the wire mesh and filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place clean 2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or around the filter cloth.
- This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
- Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow into inlet.



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:

Total Area of Site	5.00 Acres
Area Disturbed	1.65 Acres
Area to be roofed or paved	0.75 Acres
Area to be vegetatively stabilized	0.00 Acres
Total Cut	1,000 Cu. yds
Total Fill	1,000 Cu. yds
Offsite waste/borrow area location	N/A
- 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 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.

Seeding Preparation: Loosen upper three inches of soil by raking, discing 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/1000 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/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 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 (.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.

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 redisturbed where a short-term vegetative cover is needed.

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

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 November 15, seed with 24 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.

SEQUENCE OF CONSTRUCTION

- SEDIMENT CONTROLS INSTALLED UNDER P-89-227 MAY NOT BE REMOVED UNTIL ROADS ARE PAVED AND RIGHTS-OF-WAY STABILIZED AND ONLY UPON APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- OBTAIN REVISED GRADING PERMIT.
- PROVIDE SEDIMENT CONTROL PROTECTION AT INLETS AS SHOWN ON PLAN. (NOTE: BEFORE INLET PROTECTION DEVICES ARE INSTALLED, THE ROADS MUST BE PAVED AND THE R/W STABILIZED.)
- INSTALL STABILIZED CONSTRUCTION ENTRANCES, SILT FENCE AND SWALE SEDIMENT TRAPS.
- CONSTRUCTION UNITS.
- SILT FENCE IN FRONT OF UNITS MUST BE INSTALLED AS REQUIRED BY THE HOWARD COUNTY INSPECTOR.
- AS THEIR CONTRIBUTING DRAINAGE AREAS ARE BROUGHT TO FINAL GRADE AND PERMANENTLY STABILIZED, REMOVE SEDIMENT CONTROL MEASURES AT THE DISCRETION OF THE SEDIMENT CONTROL INSPECTOR. BRING AREAS TO FINAL GRADE AND APPLY PERMANENT STABILIZATION.

DEVELOPER'S/BUILDER'S CERTIFICATE

I/we 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 onsite inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

Signature of Developer/Builder: *[Signature]* Date: 3/9/90

ENGINEER'S CERTIFICATE

I hereby 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: 3/9/90

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

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

APPROVED: FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

APPROVED: FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

2-14-90

APPROVED: *[Signature]* DATE: 4-23-90

COUNTY HEALTH OFFICER

APPROVED: *[Signature]* DATE: 4-20-90

DIRECTOR

CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: *[Signature]* DATE: 4/19/90

DIRECTOR

APPROVED: *[Signature]* DATE: 4-19-90

CHIEF BUREAU OF ENGINEERING

APPROVED: *[Signature]* DATE: 3/16/90

U.S. Soil Conservation Service

APPROVED: *[Signature]* DATE: 3/19/90

Howard S.C.D.

PLAN NUMBER: 89-273

NO.	REVISION	DESCRIPTION	DATE	APPROVED	DATE
1	REVISED PER HO. CO. COMMENTS		4/25/90		

REVISION APPROVED BY

PROFESSIONAL SEAL

EROSION & SEDIMENT CONTROL

DETAIL SHEET

REVISED

Patton Harris Rust and Associates

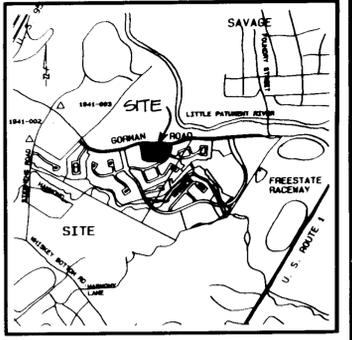
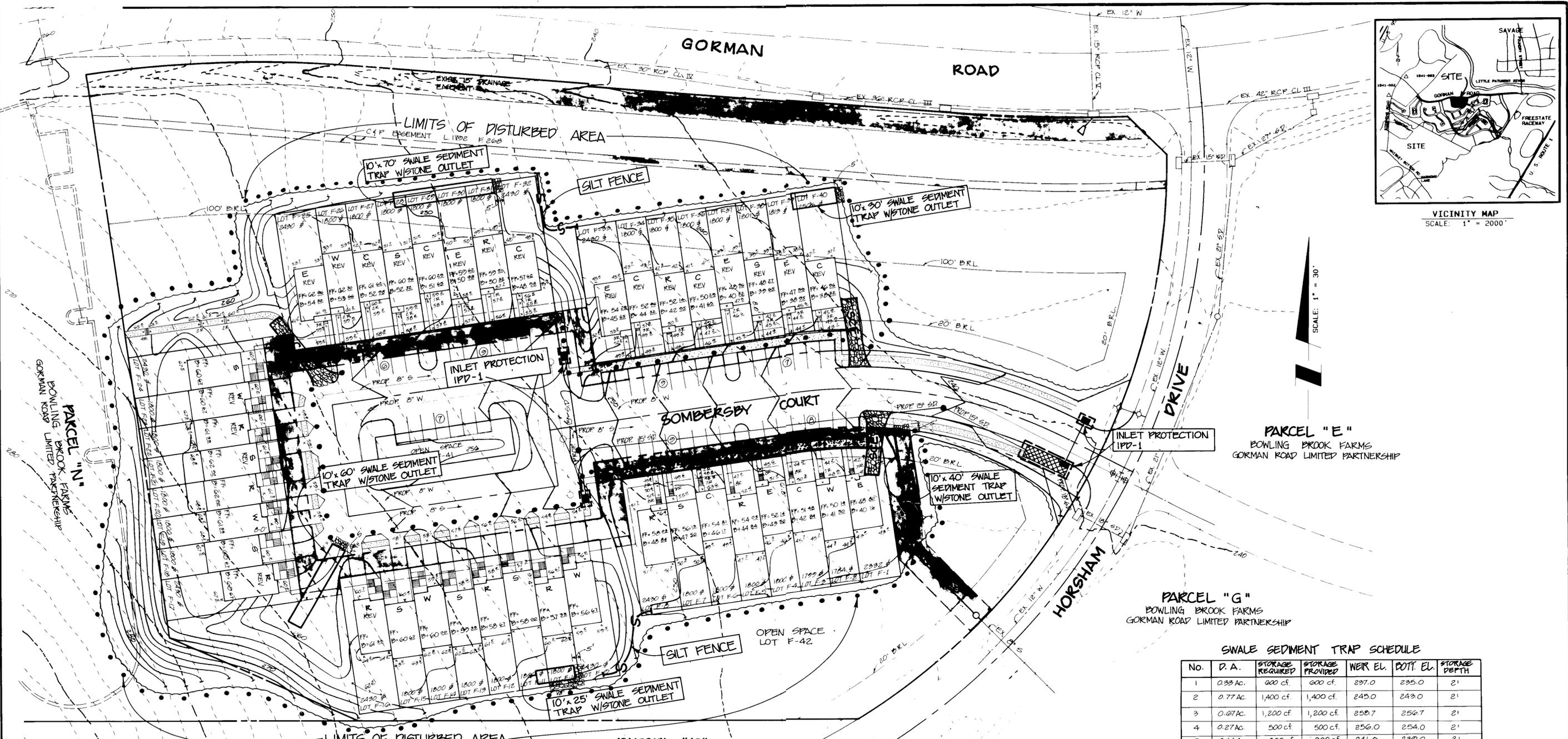
A Professional Corporation

Engineers, Surveyors, Planners and Landscape Architects

7609 Standish Place Rockville, Maryland 20855 (301)762-2220

BOWLING BROOK FARMS		SURVEY		DATE	
PARCEL F		DESIGN		1/20/90	
LOTS F-1 THRU F-42		DRAWN		SHEET	
A RESUBDIVISION OF PARCEL F		CHECKED		5 of 6	
TAX MAP No. 47 PARCEL 141		SCALE		FILE NO.	
6th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND		C.I.		8184-1-0	

SDP-89-273



SWALE SEDIMENT TRAP SCHEDULE

No.	D. A.	STORAGE REQUIRED	STORAGE PROVIDED	WEIR EL.	POTT. EL.	STORAGE DEPTH
1	0.38 AC.	600 CF.	600 CF.	237.0	235.0	2'
2	0.77 AC.	1,400 CF.	1,400 CF.	245.0	243.0	2'
3	0.67 AC.	1,200 CF.	1,200 CF.	256.7	256.7	2'
4	0.27 AC.	500 CF.	500 CF.	256.0	254.0	2'
5	0.44 AC.	800 CF.	800 CF.	241.0	239.0	2'

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

John R. Robertson 4-22-90
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

[Signature] 4-30-90
DIRECTOR DATE

CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

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

[Signature] 4-19-90
DIRECTOR DATE

[Signature] 4-19-90
CHIEF BUREAU OF ENGINEERING DATE

OWNER/DEVELOPER
GORMAN ROAD LIMITED PARTNERSHIP
C/O JAMES F. KNOTT DEVELOPMENT CORPORATION
210 WEST ROAD, SUITE 203
TOWSON, MARYLAND 21204
(301) 321-6436

NOTE: THIS PLAN IS FOR SEDIMENT CONTROL PURPOSES ONLY. REFER TO SITE DEVELOPMENT PLAN FOR OTHER INFORMATION.

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

APPROVED: *John R. Robertson* 3/16/90
Howard S.C.D. Date

PLAN NUMBER **SDP-89-273**

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS.

James M. Hill 3/16/90
U.S. Soil Conservation Service Date

DEVELOPER'S/BUILDER'S CERTIFICATE

I/we 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 onsite inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

[Signature] 3/19/90
Signature of Developer/Builder Date

ENGINEER'S CERTIFICATE

I hereby 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.

James M. Hill RE 3/9/90
Signature of Engineer Date

NO.	DESCRIPTION	DATE	APPROVED	DATE
1	REVISED PER HQ CO COMMENTS	6/25/90	<i>[Signature]</i>	

REVISION

[Signature]

PROFESSIONAL SEAL

EROSION AND SEDIMENT CONTROL PLAN

Patton Harris Rust and Associates
A Professional Corporation
Engineers, Surveyors, Planners and Landscape Architects
7609 Standish Place Rockville, Maryland 20855 (301) 762-2220

BOWLING BROOK FARMS
PARCEL F
LOTS F-1 THRU. F-42
A RESUBDIVISION OF PARCEL F
TAX MAP No. 47 PARCEL 141
6th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

SURVEY P.H.R. & A.	DATE
DESIGN K.O.R.	6/23/90
DRAWN ER, CAD	SHEET
CHECKED	6 OF 6
SCALE 1" = 30'	FILE NO.
C.I. 2'	2184-1-6

SDP-89-273