

GENERAL NOTES

# PHEASANT RIDGE NEIGHBORHOOD

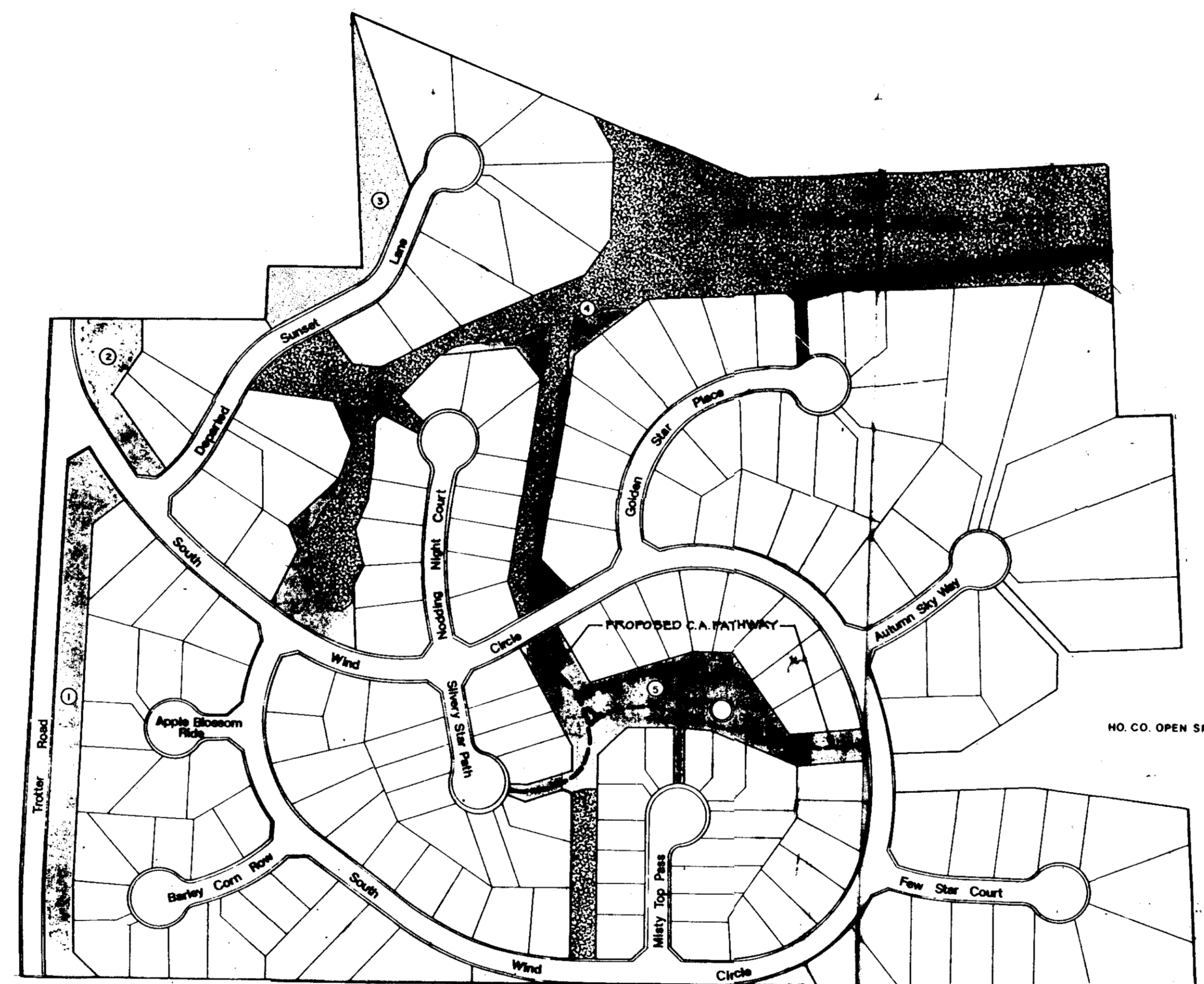
## Section one

# OPEN SPACE MASTER PLAN

## COLUMBIA PARK AND RECREATION ASSOCIATION

- TOPOGRAPHY SHOWN ON THIS DRAWING HAS BEEN TRACED FROM TOPOGRAPHIC SURVEYS AND MAPS PREPARED BY HOWARD COUNTY. THE OWNER OR ARCHITECT DO NOT IN ANY WAY GUARANTEE THE INFORMATION SHOWN HEREON, NOR DOES ANY INFORMATION SHOWN OR LACK THEREOF RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CORRECT AND PROPER COMPLETION OF GRADING.
- ALL TREES 12" IN DIAMETER OR GREATER SHALL REMAIN PROTECTED AND UNDAUNTED AT ALL TIMES.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE CIVIL ENGINEER MAY CAUSE THE WORK TO BE UNACCEPTABLE.
- ADJUSTMENTS TO THE SEQUENCE OF CONSTRUCTION SHALL BE APPROVED BY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS PRIOR TO SUCH ADJUSTMENTS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL COMPLY WITH SEDIMENT CONTROL NOTES AS DOCUMENTED ON THESE PLANS.
- EXISTING UTILITIES ARE NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE DRAWINGS.  
 "MISS UTILITY" 1-(800) 257-7777  
 BALTIMORE GAS & ELECTRIC COMPANY (301) 234-5691  
 C & P TELEPHONE COMPANY (301) 393-3648
- IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM SUCH WORK.
- THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FOR CONSTRUCTION.
- ALL UTILITIES ARE TO BE RETAINED UNLESS MARKED OTHERWISE AND ADJUSTMENTS ARE TO BE ADJUSTED TO FINISHED GRADE.
- THE CONTRACTOR SHALL REPAIR AND MAINTAIN EXISTING SEDIMENT CONTROL DEVICES UNTIL ALL AREAS WITHIN THE LIMIT OF CONSTRUCTION ARE STABILIZED. AT THAT POINT, ALL SEDIMENT CONTROL DEVICES SHALL BE REMOVED AND AREAS RESTORED AND STABILIZED UPON APPROVAL BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- THE MEASURES REQUIRED IN THE APPROVED SEDIMENT CONTROL PLAN SHALL APPLY AS IF SHOWN ON ALL PLANS.
- THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION INSPECTION SURVEY DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 515-2417 OR 515-2418.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS, AND OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENT, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR GRADING AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- PRIOR TO START OF ANY CONSTRUCTION, CONTRACTOR SHALL STAKEOUT ALL CONSTRUCTION AND VERIFY ALL OFFSETS, SETBACKS, EXISTING UTILITY LOCATIONS (HORIZONTAL AND VERTICAL) AND DIMENSIONS.
- CONTRACTOR SHALL USE DIMENSIONS SHOWN. SCALING OF THESE PLANS IS DISCOURAGED UNLESS DIRECTED BY CIVIL ENGINEER.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- ~~ALL TYPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.~~
- THE DEVELOPER MUST REQUEST THAT THE DEPARTMENT OF INSPECTIONS AND PERMITS APPROVE WORK COMPLETED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, THE GRADING OR BUILDING PERMIT, AND THE ORDINANCE.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE DEPARTMENT OF INSPECTIONS AND PERMITS SHALL BE REQUIRED ON 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 THE INITIAL APPROVAL BY THE DEPARTMENT OF INSPECTIONS AND PERMITS IS GIVEN.
- APPROVAL SHALL BE REQUESTED ON FINAL STABILIZATION OF ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES BEFORE REMOVAL OF CONTROLS.
- ANY DAMAGE TO COUNTY RIGHTS-OF-WAY AND PAVING OF PUBLIC ROADS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE IN ACCORDANCE WITH THE HOWARD COUNTY SPECIFICATIONS AND STANDARDS.
- ALL FILL SHALL BE ROLLED TO A MINIMUM DEGREE OF COMPACTION OF 95% OF THE DRY UNIT WEIGHT AS DETERMINED BY ASTM D-698.
- ALL CONCRETE FOR SITE WORK SHALL BE CLASS 2 CONCRETE AND SHALL BE IN ACCORDANCE WITH THE MARYLAND STATE HIGHWAY ADMINISTRATION SPECIFICATIONS AS AMENDED TO DATE.
- STRUCTURES NOTED FOR REMOVAL SHALL BE REMOVED ENTIRELY AND COMPLETELY. REMOVAL OF UTILITIES OR MATERIALS THAT ARE BELOW GRADE SHALL HAVE THE SURFACE ABOVE RESTORED TO MATCH ADJACENT GRADES.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITH PERMANENT SEED AND MULCH IN ACCORDANCE WITH PLANS APPROVED BY THE HOWARD COUNTY CONSERVATION DISTRICT.
- ~~THE DEVELOPER HAS REQUESTED A WAIVER FROM SECTION 20.120(c) (4) OF THE HOWARD COUNTY SUBDIVISION REGULATIONS TO REMOVE EXISTING WETLANDS AND STREAM BUFFERS.~~
- "NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE WETLAND OR STREAM BUFFERS EXCEPT AS APPROVED PER WAIVER PETITION,
- APPLICABLE DEPARTMENT OF PLANNING AND ZONING FILES:  
 FDP-207; P-90-10; WP-89-108; S-89-63; PB-253; PB-263 1/3; S-90-27 1/3; SDP-89-278; WP-90-133 1/3; P-91-03 1/3; S-91-03 sec 2; PB-269 sec 2; P-91-91 1/3; FDP-209 sec 2; P-91-98; FDP-210 Phase I; WP-92-13 sec 2; SDP-92-08; WP-92-18 1/3; FDP-214 1/4; S-92-02; PB-274; WP-92-22; SDP-92-14 1/3; SDP-92-16 1/3; SDP-92-17 1/3; SDP-92-20 1/3; SDP-92-24 1/3; SDP-92-21 1/3; SDP-92-26 1/3; SDP-92-29 1/3; P-92-87; FDP-214-14; P-92-13 2/1; WP-92-141; PB-277-14; SDP-92-108 1/4; FDP-218; P-92-147 1/3
- THE COLUMBIA ASSOCIATION PATHWAYS ARE AN ALLOWABLE USE OF THE PHEASANT RIDGE NEIGHBORHOOD OPEN SPACE AREAS, ACCORDING TO APPLICABLE FDP-PHASE TWO CRITERIA FOR THE AREA.
- ALL SEDIMENT AND EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE AGREEMENT MADE BETWEEN THE COLUMBIA ASSOCIATION AND HSCD, DATED 3/2/87 AND REVISED MAY 1991.

- Pathway Use Restrictions: Motor Vehicles are prohibited from using the C.A. pathways. In the event that a motor vehicle is observed on a pathway, the Howard County Police will be notified.
- All pathways shown as "C.A. Pathways" on these drawings are currently or will be owned and maintained by The Columbia Association.



PLAN  
SCALE: 1" = 200'

**GENERAL PLAN NOTE:**  
 THESE PLANS WERE PREPARED FOR PATHWAY CONSTRUCTION ONLY. THESE PLANS WERE PREPARED FOR THE COLUMBIA PARK AND RECREATION ASSOCIATION. ALL SITE PLAN REQUIREMENTS WERE BASED ON PREVIOUS MEETINGS AND AGREEMENTS AS DOCUMENTED PER THE ENCLOSED CORRESPONDENCE. PLEASE CONTACT THE HOWARD COUNTY DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT FOR MODIFICATIONS TO THE STANDARD S.D.P. PROCESS FOR C.A.'S PATHWAYS.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWER BY HOWARD COUNTY HEALTH DEPARTMENT

APPROVED FOR PUBLIC WATER AND PUBLIC SEWER BY HOWARD COUNTY HEALTH DEPARTMENT

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APPROVED FOR PUBLIC WATER AND PUBLIC SEWER BY HOWARD COUNTY HEALTH DEPARTMENT

8.18.92  
C.M.

### SHEET INDEX

- COVER SHEET
- OPEN SPACE PATHWAY LAYOUT
- SEDIMENT CONTROL & CONSTRUCTION DETAIL SHEET

<b>OWNER/DEVELOPER</b>		
COLUMBIA PARK & RECREATION ASSOCIATION 9861 BROKEN LAND PARKWAY SUITE 300 COLUMBIA, MD 21046 PHONE (301) 381-0020		
ADDRESS	HAWK	
BUILDING	STREET ADDRESS	
Subdivision Name: VILLAGE OF RIVER HILL		
Section/Area:	1/3	Lots: 166
Block:	05	ENS: G055
Water Code:	N/A	Water Fee: N/A

<p>RESPONSIBLE PERSONNEL CERTIFICATION</p> <p>I HEREBY CERTIFY THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM A M.C. S.D.P. ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.</p> <p>Signature: Denis Ellis Date: 9/10/92</p>	<p>CERTIFICATION BY THE ENGINEER</p> <p>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.</p> <p>Signature: Bolling W. Maxall, Jr. Date: 9/10/92</p>	<p>CERTIFICATION BY THE DEVELOPER</p> <p>I CERTIFY THAT ALL DEVELOPMENT AND OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY CONSERVATION DISTRICT OF THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY.</p> <p>Signature: Denis Ellis Date: 9/10/92</p>	<p>THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.</p> <p>APPROVED: [Signature] 9/15/92</p> <p>REVIEWED FOR HOWARD S.C.D. AND NESTS TECHNICAL REQUIREMENTS: [Signature]</p> <p>APPROVED: [Signature] 9-15-92</p> <p>HOWARD COUNTY CONSERVATION SERVICE</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	DESCRIPTION	DATE				<p>PREPARED BY:</p> <p><b>KCI TECHNOLOGIES, INC.</b></p> <p>ENGINEERS - PLANNERS - SURVEYORS</p> <p>13992 BALTIMORE AVENUE / SUITE 300 LAUREL, MD 20707 PHONE: (301) 792-8086</p>	<p><b>COVER SHEET</b></p> <p><b>VILLAGE OF RIVER HILL</b></p> <p><b>PHEASANT RIDGE NEIGHBORHOOD</b></p> <p><b>OPEN SPACE MASTER PLAN</b></p> <p>SHEET 1 OF 3</p> <p>SCALE: As Shown</p> <p>DRAWN: S.D. CHECKED: S.D.H. PROJ. NO: 16871003 DATE: June, 1992</p>
NO.	DESCRIPTION	DATE										

Ref	Sec	Area	Lot	Acreage
1	1	3	161	1.400
2	1	3	162	0.570
3	1	3	163	0.958
*4	1	3	164	8.961
*5	1	3	166	2.384

\* Lots with proposed pathways covered under this plan.

LOWELL V. STURGILI & WIFE  
344 / 501  
Zoned R

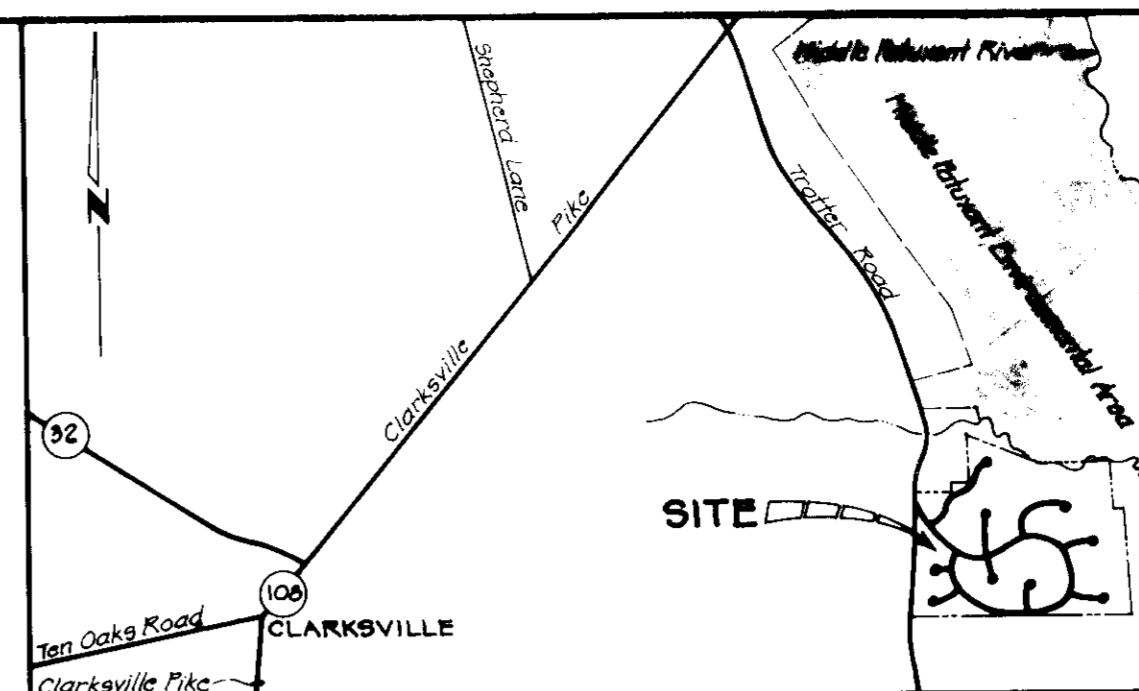
DAVID L. WILSON & WIFE  
322 / 507  
Zoned R

ALFRED M. & MELISSA S. BARNETT  
1422 / 147  
Zoned R

MARK W. & MARY E. CANNON  
1016 / 503  
Zoned R

CHARLES T. RHODES & WIFE  
424 / 102  
Zoned R

HOWARD RESEARCH AND DEVELOPMENT CORPORATION  
1535 / 193



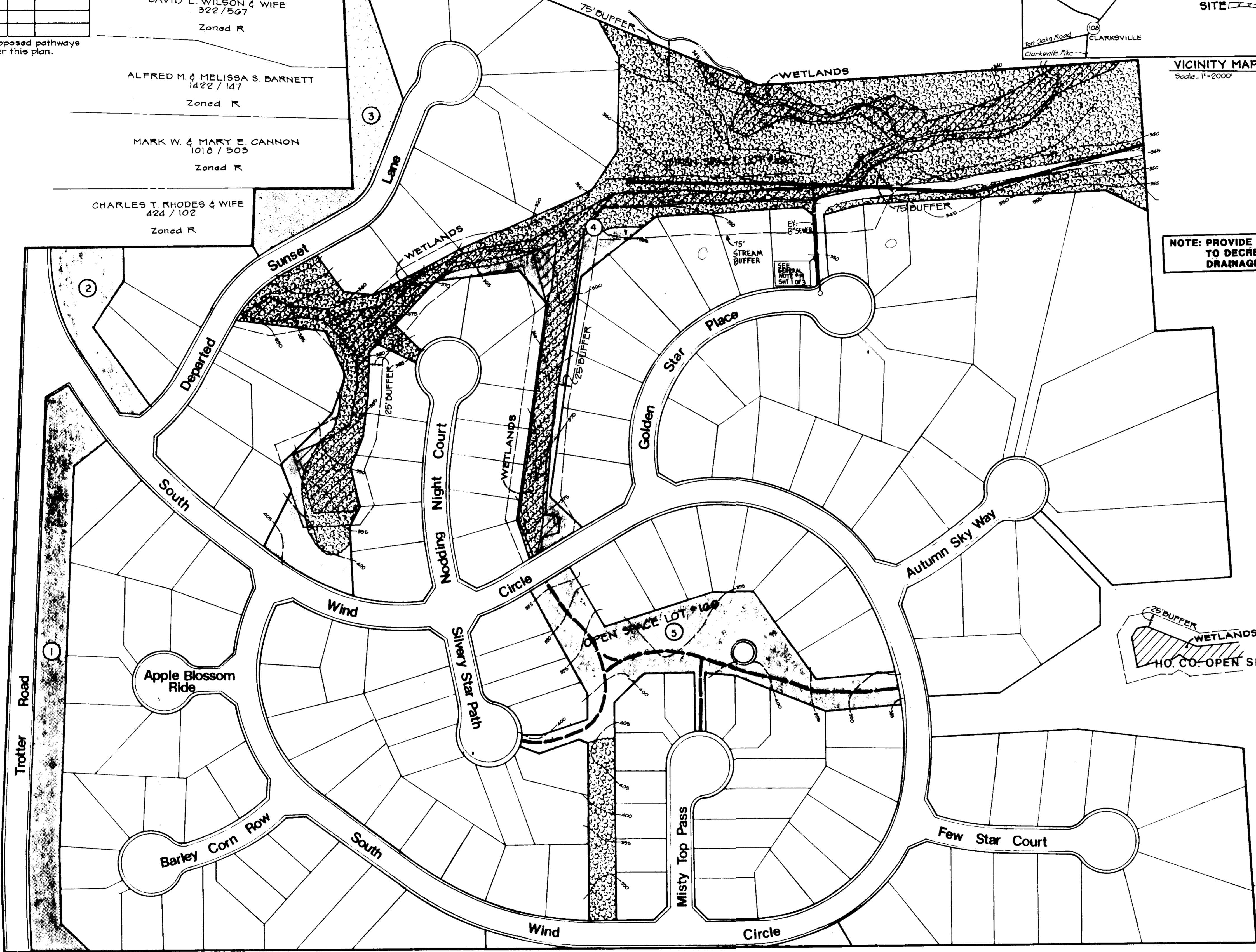
VICINITY MAP  
Scale: 1"=2000'

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND EROSION CONTROL BY HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Director: *[Signature]* 11-5-92 DATE  
 CD: *[Signature]* 10-28-92 DATE  
 APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING  
 Director: *[Signature]* 11/16/92 DATE  
 Richard Blood 11/2/92  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND EROSION CONTROL BY HOWARD COUNTY HEALTH DEPARTMENT  
 Director: *[Signature]* 11-2-92 DATE

NOTE: PROVIDE STRAWBALES IN STEEP SLOPE AREAS TO DECREASE THE VELOCITY OF THE STORM DRAINAGE ALONG THE PROPOSED PATHWAY.

APPROVED  
DATE: 8-18-92  
com

HOWARD RESEARCH AND DEVELOPMENT CORPORATION  
1535 / 193



**LEGEND**

- WETLANDS
- PROPOSED PATHWAY
- PROPOSED TOT LOT
- 25' WETLAND BUFFER / 75' STREAM BUFFER
- TURF AREA
- WOODS AREA
- NATURAL AREA

OWNER/DEVELOPER  
COLUMBIA PARK & RECREATION ASSOCIATION  
9861 BROKEN LAND PARKWAY  
SUITE 300  
COLUMBIA, MD 21046  
PHONE (301) 361-0172

HOWARD RESEARCH AND DEVELOPMENT CORP.  
1535 / 193

HOWARD RESEARCH AND DEVELOPMENT CORPORATION  
1535 / 193

PLAN SCALE .. 1"=100'

ADDRESS	CITY	STATE	ZIP
BUILDING	STREET		

Subdivision Name: VILLAGE OF RIVER HILL Section/Area: 1 / 3 Lots: 166  
 PLAT: 000240000 BLOCK: 035 TAX ZONE: 5TH G055  
 WATER CODE: N/A SEWER: N/A

RESPONSIBLE PERSONNEL CERTIFICATION  
"I HEREBY CERTIFY THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM A MD DEPT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."  
*[Signature]* 9/10/92  
 SIGNATURE OF DEVELOPER DATE  
 DENIS ELLIS

CERTIFICATION 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."  
*[Signature]* 9/10/92  
 SIGNATURE OF ENGINEER DATE  
 COLLING W. HANALL, JR.

CERTIFICATION BY THE DEVELOPER  
"I CERTIFY THAT ALL DEVELOPMENT AND OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL, AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZATION AGENTS, AS DEEMED NECESSARY."  
*[Signature]* 9/10/92  
 SIGNATURE OF DEVELOPER DATE  
 DENIS ELLIS

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED: *[Signature]* 9/10/92 DATE  
 REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.  
 APPROVED: *[Signature]* 9-15-92 DATE  
 COLLING W. HANALL, JR. P.E.  
 MD No 10242

NO.	REVISIONS	DATE
	DESCRIPTION	

PREPARED BY:  
**KCI TECHNOLOGIES, INC.**  
ENGINEERS-PLANNERS-SURVEYORS  
15992 BALTIMORE AVENUE / SUITE 300  
LAUREL, MD 20707  
PHONE: (301) 792-8086

**PLAN SHEET**  
VILLAGE OF RIVER HILL  
PHEASANT RIDGE NEIGHBORHOOD  
OPEN SPACE MASTER PLAN

SCALE: As Shown  
DRAWN: SDH CHECKED: SDH  
PROJ. NO: 1087108 G DATE: June, 1992  
SHEET: 2 OF 3

**SEDIMENT AND EROSION CONTROL NOTES**

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION. (880-3450)
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS TO THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- FOLLOWING THE INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETE WITHIN: A) SEVEN (7) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND B) FOURTEEN (14) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASIN SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOLUME 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 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.
- 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 DEPARTMENT OF PUBLIC WORKS SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES, 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.
- REFER TO "1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR THE SOIL EROSION AND SEDIMENT CONTROL" FOR THE STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN.
- WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, MINOR FIELD ADJUSTMENTS CAN BE MADE TO INSURE THE CONTROL OF ANY SEDIMENT. CHANGES IN SEDIMENT CONTROL PRACTICES REQUIRE PRIOR APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
- ANY CHANGE TO THE GRADING PROPOSED ON THIS PLAN REQUIRES RE-SUBMISSION TO HOWARD COUNTY SOIL CONSERVATION DISTRICT FOR APPROVAL.
- BEST CONTROL WILL BE PROVIDED FOR ALL DISTURBED AREAS. REFER TO 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL PP 62.01 OR 62.02 FOR ACCEPTABLE METHODS AND SPECIFICATIONS FOR BEST CONTROL.
- ANY VARIATION FROM THE SEQUENCE OF OPERATIONS STATED ON THIS PLAN REQUIRES THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE HOWARD COUNTY SOIL CONSERVATION DISTRICT PRIOR TO THE INITIATION OF THE CHANGE.
- ANY DISTURBED EARTH LEFT IDE FOR PERIODS EXCEEDING 30 DAYS SHALL BE STABILIZED ACCORDING TO TEMPORARY STABILIZATION SPECIFICATIONS.
- AT THE END OF EACH WORKING DAY ALL SEDIMENT CONTROL PRACTICES WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
- AT THIS TIME, WE BELIEVE THAT SECTIONS 404 OR 401 OF THE CLEAN WATER ACT DO NOT AFFECT OUR SITE.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS, AND/OR RIGHTS-OF-WAYS THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAYS THAT MAY BE REQUIRED FOR GRADING AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- THE SEDIMENT CONTROL APPROVALS ON THIS PLAN EXTEND ONLY TO AREAS AND PRACTICES IDENTIFIED AS PROPOSED WORK.
- THE APPROVAL OF THE PLAN FOR SEDIMENT AND EROSION CONTROL DOES NOT RELIEVE THE DEVELOPER/CONSULTANT FROM COMPLYING WITH ANY FEDERAL/STATE/COUNTY REQUIREMENTS PERTAINING TO ENVIRONMENTAL ISSUES.

**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, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: LIEU OF SOIL TESTS 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 LB. PER ACRE 30-0-0 UREA-TYPE FERTILIZER (9 LBS./1000 SQ.FT.)
- ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 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./100 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 UNWROTTEN 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. REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

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.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING 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.)

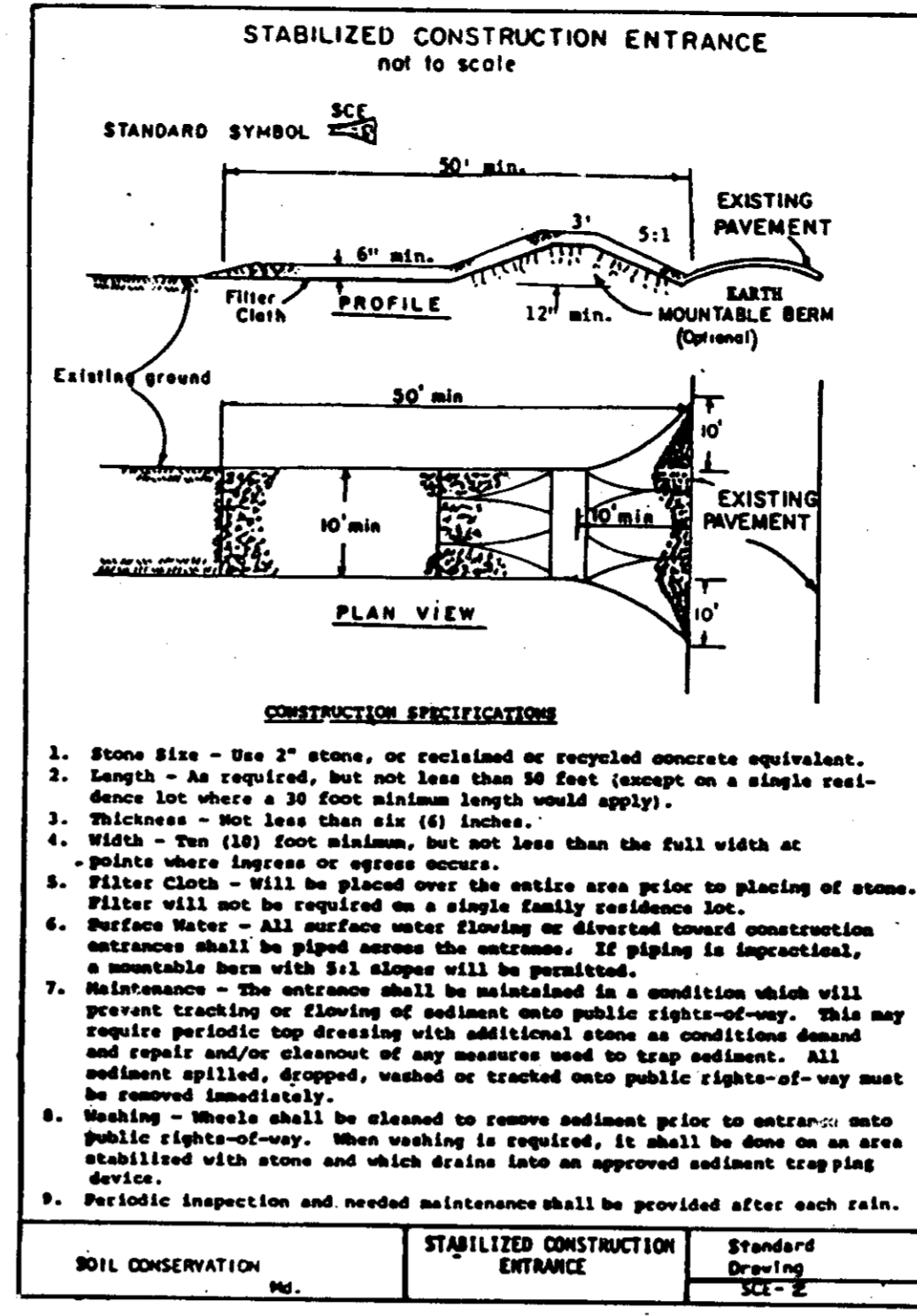
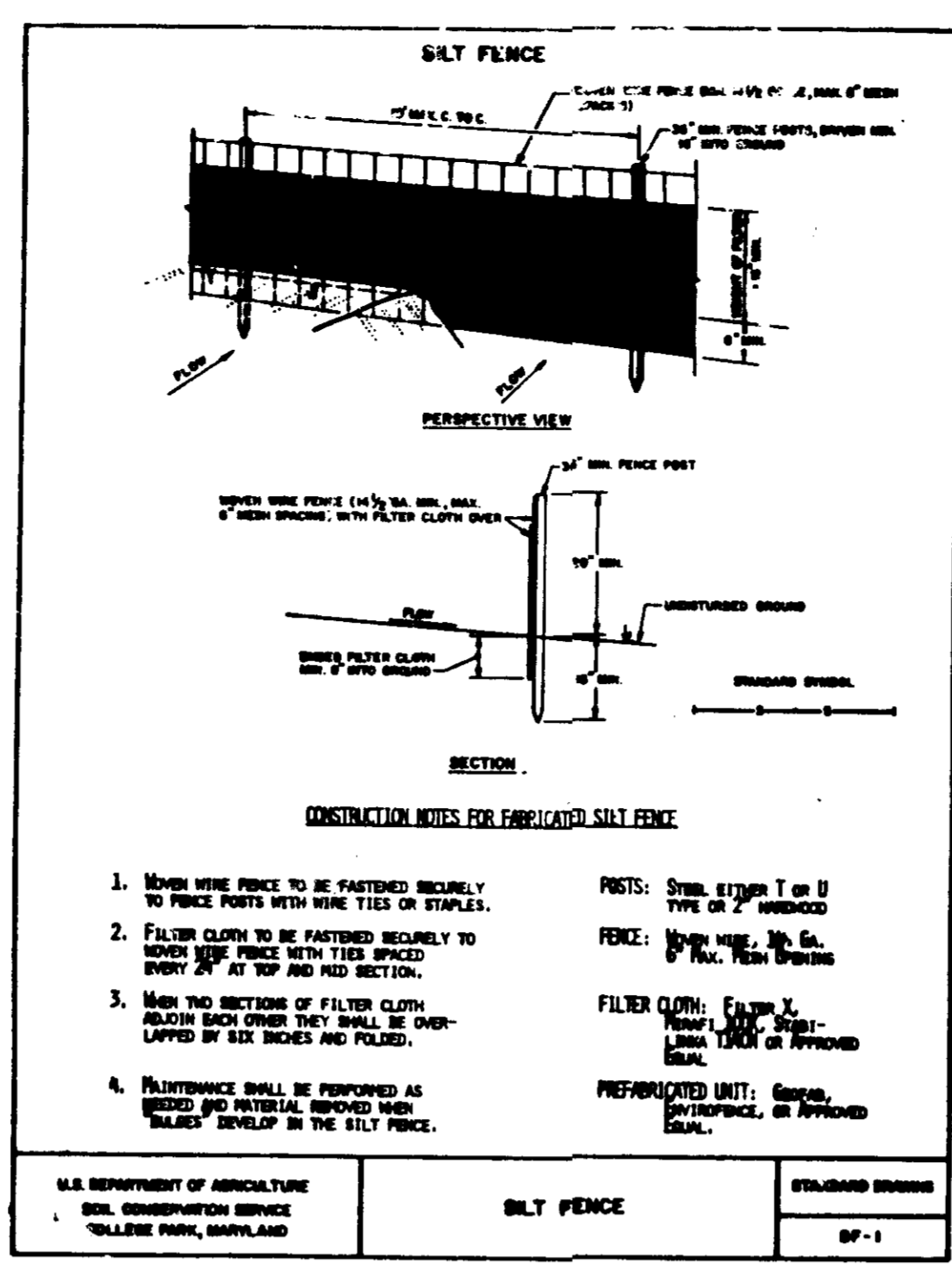
SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS./100 SQ.FT.) FOR THE PERIOD OF MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (.07 LBS./1000 SQ.FT.) FOR THE PERIOD OF NOVEMBER 16 THRU FEBRUARY 28, 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 UNWROTTEN 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. REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

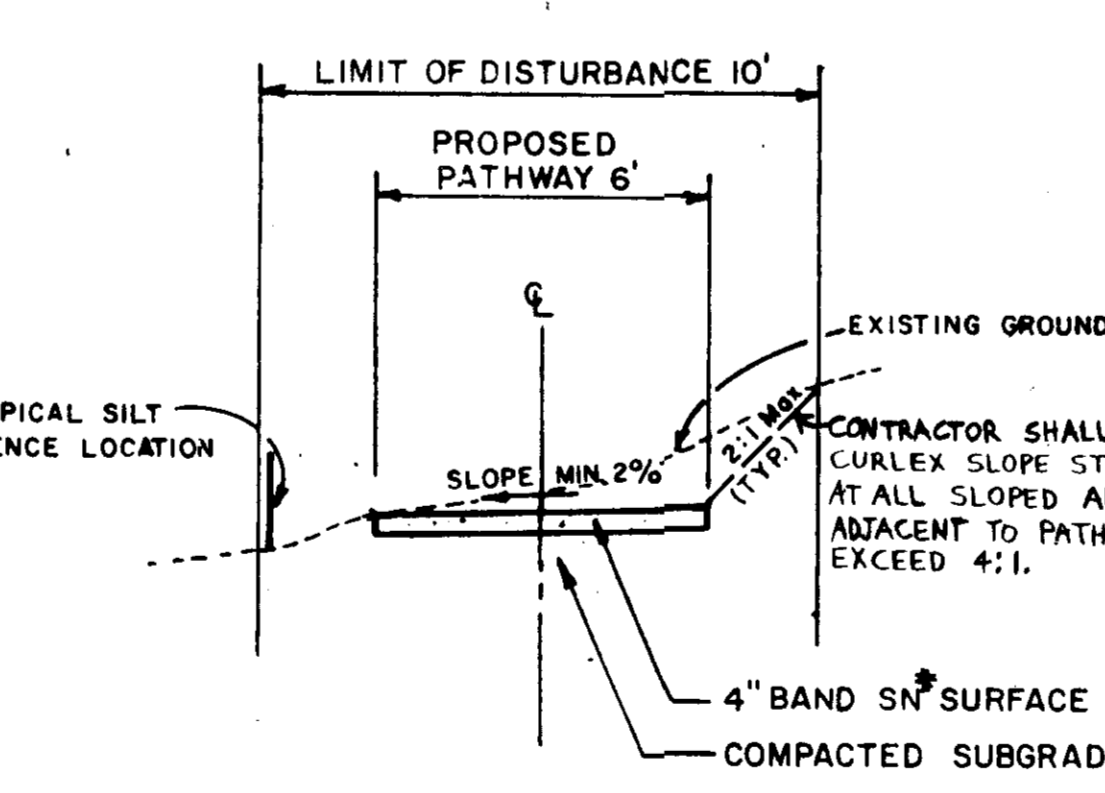
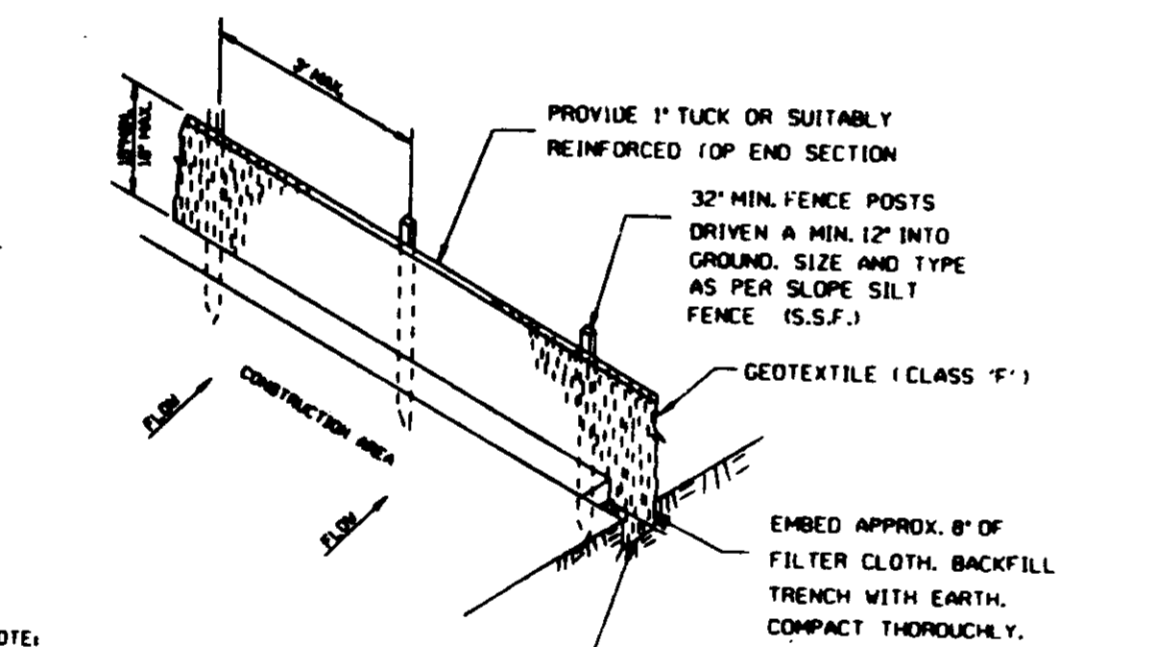
REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

**A. SITE ANALYSIS:**

- PROPOSED PATHWAY 1185 L.F. TOTAL
- PROPOSED BRIDGE CROSSING 612 TOTAL
- FUTURE TOT LOT 1 TOTAL
- FUTURE PLAY MEADOW 2.0 TOTAL
- FUTURE SITTING AREA AT OVERLOOK 0.0 TOTAL
- TOTAL DISTURBED AREA PATHWAY CONSTRUCTION = 11,850 FT<sup>2</sup>
- TOTAL PAVED AREA: 1110
- TOTAL AREA TO BE VEGETATIVELY STABILIZED: 4740 FT<sup>2</sup>



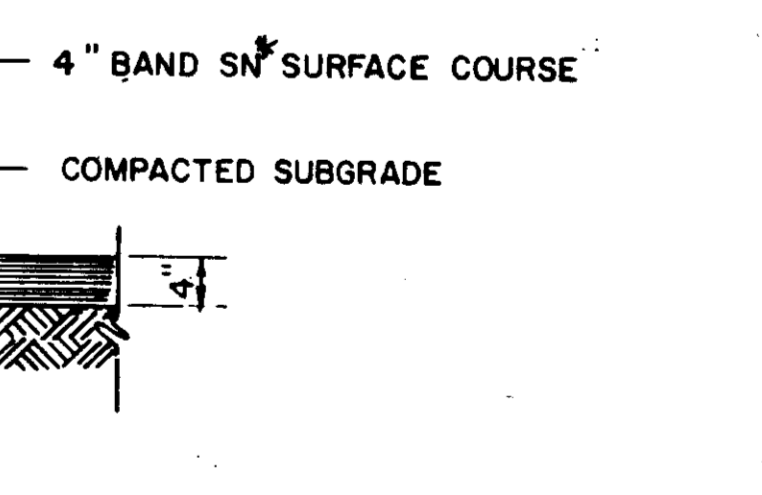
- SEQUENCE OF CONSTRUCTION**
1. Notify the Howard County Soil Conservation District and the Howard County Sediment Control Division at least 48 hours prior to starting any work. (880-3450)
  2. Clear and grub for sediment and erosion control measures only. (( Day)
  3. Install silt fence along the pathway section to be constructed. Place silt fence on the downhill side of the proposed pathway. In accordance with the Howard County Soil Conservation District, Division of Licenses and Permits and the 1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control and all latest revisions. (( Day)
  4. Notify Howard County Department of Permits and Licenses, Sediment Control Division, upon completion of said installation.
  5. The proposed pathway alignment shall be field staked and approved by the engineer.
  6. Once approval is given by the Howard County Department of Permits and Licenses and the Sediment Control Inspector, clear and grub areas for pathway construction. (2 Days)
  7. Grade for pathway construction as close as possible to existing grades. (2 Days)
  8. Maintain positive drainage to sediment control devices. No slopes are to exceed 3:1. Immediately stabilize all rough graded areas. (2 Days)
  9. Install pathway asphalt as required to maintain positive drainage flow. (3 Days)
  10. With permission from the Howard County Sediment Control Inspector, remove all erosion control devices and stabilize those areas. (1 Day)



**GRADATION BANDS**

**BITUMINOUS CONCRETE - CRUSHED STONE MIXES**

Screen Size	SN
3/4"	100
3/8"	90 - 100
1/2"	65 - 85
3/4"	48 - 68
1"	34 - 54
#16	22 - 42
#30	10 - 32
#60	5 - 24
#100	3 - 12
#200	2 - 12
AC-20-S (Asph. Content) 5.0	1.0 - 11.0



**CHANNEL SILT FENCE AT STREAM CROSSING**  
N.T.S.

**TYPICAL PATHWAY CROSS SECTION**  
SCALE: 1/4" = 1' - 0"

**TYPICAL PAVING SECTION PROPOSED PATHWAY**  
NTS

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

Director: *James M. ...* DATE: 11/5/92

Chief, Bureau of Engineering: *...* DATE: 10/28/92

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Director: *James M. ...* DATE: 11/16/92

Chief, Division of Community Planning and Land Development: *...* DATE: 11/16/92

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

County Health Department: *...* DATE: 11/2/92

APPROVED

DATE: 8-18-92

*DM*

**GENERAL NOTES:**

1. ALL TREES 12" IN DIAMETER OR LARGER SHOULD REMAIN PROTECTED AND UNDISTURBED.
2. THE DEVELOPER SHALL REQUEST A WAIVER TO HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, SECTION 16.11c6, IN THE EVENT THAT WORK WILL BE DONE WITHIN A 25' WETLAND BUFFER OR 75' STREAM BUFFER AREA.

**OWNER/DEVELOPER**

COLUMBIA PARK & RECREATION ASSOCIATION  
9861 BROKEN LAND PARKWAY  
SUITE 300  
COLUMBIA, MD. 21046  
PHONE: (301) 381-0020

**ADDRESS CHART**

BUILDING	STREET ADDRESS

Subdivision Name: VILLAGE OF RIVER HILL  
Section/Area: 1 / 3  
Lots: 166  
PLAT: 0206 (4000)  
BLOCK: 3B  
ZONE: 5B  
TAX/ZONE MAP: 5B  
ELEC. DIS: 5B  
CENSUS TR: GOBB

**RESPONSIBLE PERSONNEL CERTIFICATION**

"I HEREBY CERTIFY THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM A 40 HOUR COURSE OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."

Signature of Developer: *Denise Ellis* DATE: 9/10/92

**CERTIFICATION 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."

Signature of Engineer: *Bolling W. Haxall, Jr.* DATE: 9/10/92

**CERTIFICATION BY THE DEVELOPER**

"I CERTIFY THAT ALL DEVELOPMENT AND OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZATION AGENTS, AS DEEMED NECESSARY."

Signature of Developer: *Denise Ellis* DATE: 9/10/92

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

APPROVED: *John R. ...* DATE: 9/15/92

REVIEWED FOR HOWARD S.C.D. AND METS TECHNICAL REQUIREMENTS.

APPROVED: *...* DATE: 9-15-92

**REVISIONS**

NO.	DESCRIPTION	DATE

PREPARED BY: **KCI TECHNOLOGIES, INC.**  
ENGINEERS - PLANNERS - SURVEYORS  
13992 BALTIMORE AVENUE / SUITE 300  
LAUREL, MD. 20707  
PHONE: (301) 792-8086

**DETAIL SHEET**

**VILLAGE OF RIVER HILL**

**PHEASANT RIDGE NEIGHBORHOOD**

**OPEN SPACE MASTER PLAN**

SCALE: As Shown

DRAWN: *...* CHECKED: *...*

PROJ. NO: 1087100G DATE: June, 1992

SHEET 3 OF 3