

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 REVIEWED NO FACILITIES REQUIRED
 DIRECTOR: *Carroll H. ...* DATE: 9-3-91
 CHIEF, BUREAU OF ENGINEERS: *...* DATE: 9-3-91

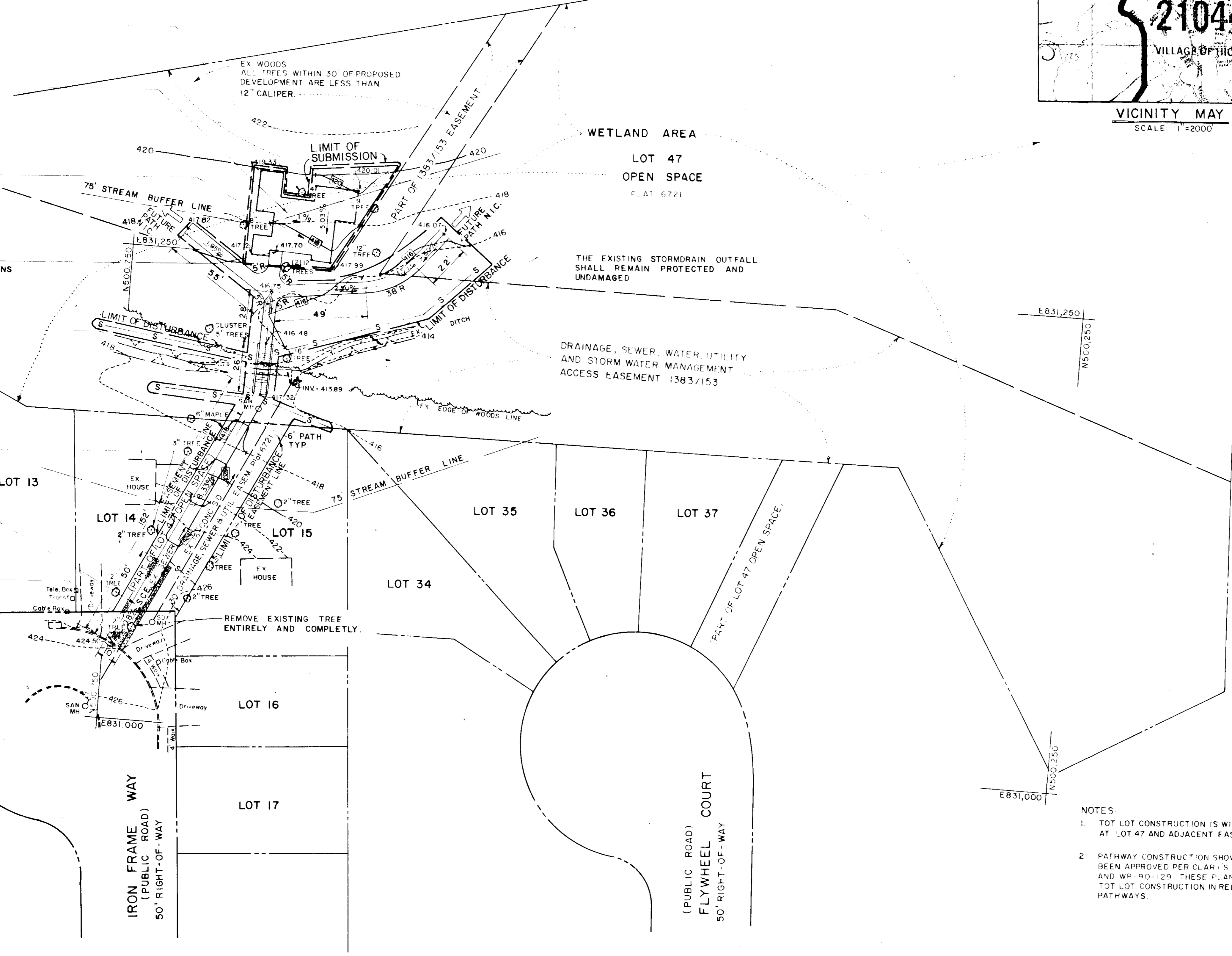
APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 DIRECTOR: *...* DATE: 9/17/91
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: *...* DATE: 9/17/91

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 REVIEWED NO FACILITIES REQUIRED
 COUNTY HEALTH OFFICER: *...* DATE: 9-6-91

TREES TO REMAIN SHALL BE PROTECTED AND UNDAMAGED AT ALL TIMES.

PROPOSED TOT LOT CONSTRUCTION TO BE APPROVED UNDER THIS SDP SHOWN AS SHADED AREAS ONLY. SEE GENERAL NOTES 28, 29, 31, 32, 33, 34 FOR PATHWAY APPROVALS.

- 1 SEE DETAIL FOR TOT LOT AND PLAY EQUIPMENT LAYOUT. ALL TOT LOT EQUIPMENT TYPICAL TO BE INSTALLED BY COLUMBIA ASSOCIATION.
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- 5 PROPOSED BITUMINOUS PATH SHALL MEET TOT LOT PAVEMENT ELEVATIONS FLUSH.
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- 13 BRIDGE CROSSING TO SPAN DITCH AREA COMPLETELY.
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SHEET INDEX

- 1 SITE LAYOUT
- 2 SITE LAYOUT
- 3 SITE DETAIL SHEET
- 4 TYPICAL BRIDGE DETAILS

KEY

- LIMIT OF DISTURBANCE (EASEMENT LINE)
- 416 EXISTING CONTOUR
- (416) PROPOSED CONTOUR
- S SILT FENCE
- SCE STABILIZED CONSTRUCTION ENTRANCE
- EXISTING STREAM
- DETAIL REFERENCE

OWNER/DEVELOPER
 COLUMBIA PARK & RECREATION ASSOCIATION
 5823 BANNER ROAD
 COLUMBIA, MARYLAND 21044
 (301) 381-0020

ADDRESS CHART

BUILDING:	STREET ADDRESS:
TOT LOT 5340	IRON FRAME WAY

SUBDIVISION NAME
 VILLAGE OF HICKORY RIDGE

SECTION/AREA	LOT	PARCEL
3/10	47	

PLAT
 6721

BLOCK	ZONE	TAX	ZONE	MAP	FILE	DIST	FACILITY
6721	OS	35	5	6053	01		

WATER CODE
 N/A

SEWER CODE
 N/A

NOTES

1. TOT LOT CONSTRUCTION IS WITHIN WETLAND AREAS LOCATED AT LOT 47 AND ADJACENT EASEMENT AREAS.
2. PATHWAY CONSTRUCTION SHOWN ON THESE PLANS HAVE PREVIOUSLY BEEN APPROVED PER CLARY'S FOREST MASTER PLAN SDP-90-183 AND WP-90-129. THESE PLANS WERE PREPARED TO IDENTIFY TOT LOT CONSTRUCTION IN RELATION TO PREVIOUSLY APPROVED PATHWAYS.

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

SIGNATURE OF DEVELOPER: *...*
 DATE: 4/21/91

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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER: *...*
 DATE: 7-18-91

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 OR THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY.

SIGNATURE OF DEVELOPER: *...*
 DATE: 4/21/91

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

APPROVED: *...* DATE: *...*

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT MEETS TECHNICAL REQUIREMENTS

APPROVED: *...* DATE: *...*

revisions

no.	description	date

Prepared by: **RBA** ENGINEERS • ARCHITECTS • PLANNERS
 5560 STERRITT PLACE, SUITE 300
 COLUMBIA, MARYLAND 21044
 301 / 730-7950 621-6050

SITE LAYOUT

VILLAGE OF HICKORY RIDGE
 CLARY'S FOREST NEIGHBORHOOD
 IRON FRAME WAY TOT LOT

HOWARD COUNTY MARYLAND

SCALE	1" = 30'
DRAWN	J.M.M.
CHECKED	D.T.
PROJ. NO.	0291
DATE	
SHEET	4
OF	

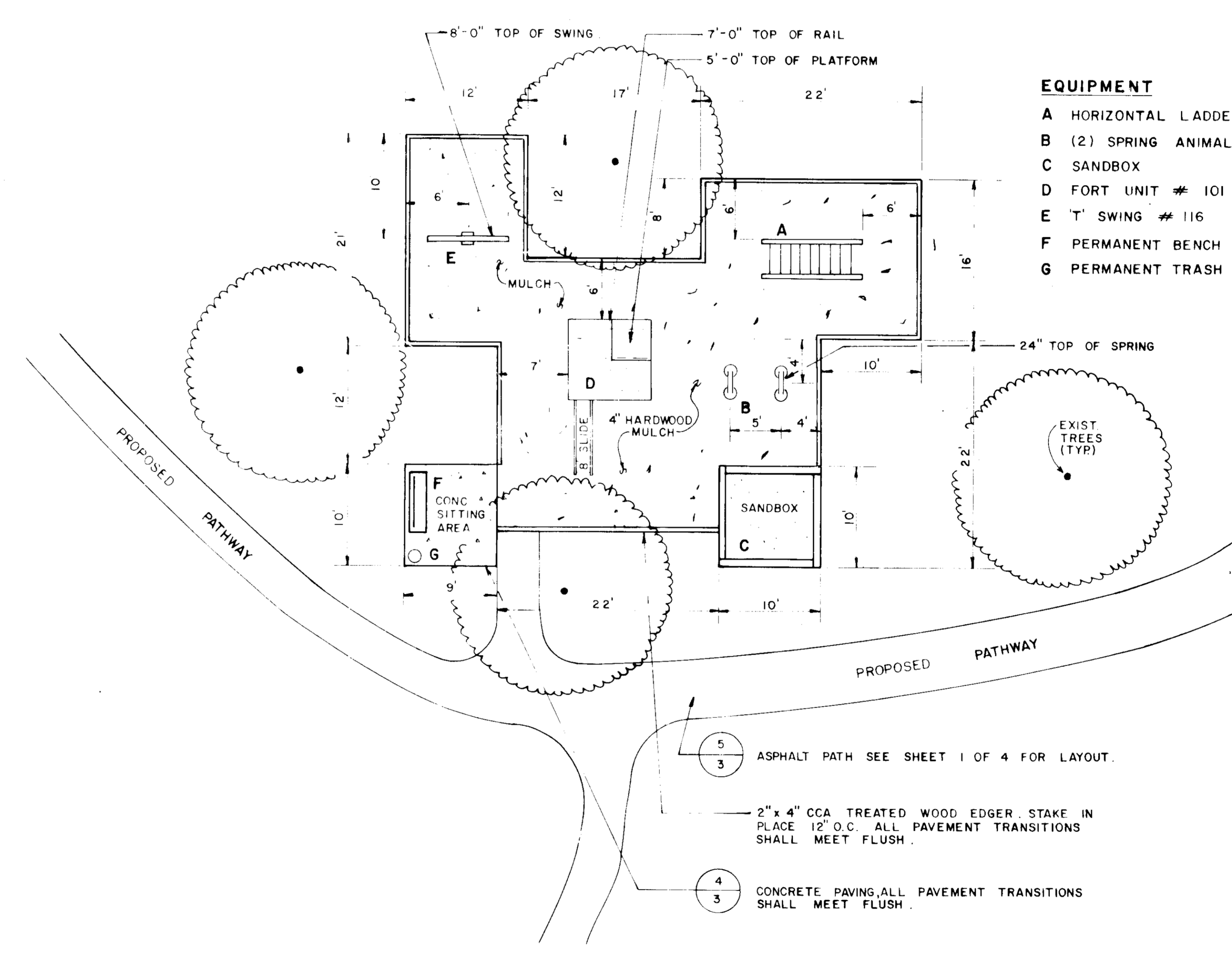
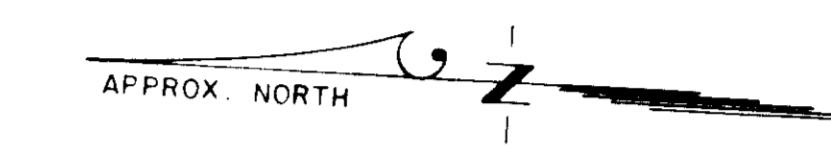
SDP 91-122

GENERAL NOTES

- TOPOGRAPHY SHOWN ON THIS DRAWING HAS BEEN TRACED FROM TOPOGRAPHIC SURVEYS AND M.S. 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 ENGINEER MAY CAUSE THE WORK TO BE UNACCEPTABLE.
- ADJUSTMENTS TO THE SEQUENCE OF CONSTRUCTION SHALL BE APPROVED BY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS PRIOR TO SUCH ADJUSTMENTS.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO THE 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.
- THE ENGINEER ASSUMES NO RESPONSIBILITY FOR EXISTING UTILITIES NOT SHOWN ON THESE PLANS. 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.
- THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 792-7272.
- THE CONTRACTOR SHALL REPAIR AND MAINTAIN EXISTING SEDIMENT CONTROL DEVICES UNTIL ALL AREAS WITHIN THE LIMIT OF CONSTRUCTION ARE STABILIZED. AT THAT TIME, ALL SEDIMENT CONTROL DEVICES SHALL BE REMOVED AND REASSEMBLED 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 313-2417 OR 313-2418.
- 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, THE CONTRACTOR SHALL STAKE OUT ALL CONSTRUCTION AND VERIFY ALL OFFSETS, OFFSETS, EXISTING UTILITY LOCATIONS (HORIZONTAL AND VERTICAL) AND DIMENSIONS.
- THE CONTRACTOR SHALL USE THE DIMENSIONS SHOWN. SCALING OF THESE PLANS IS DISCOURAGED UNLESS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- THE DEVELOPER MUST REQUEST THAT THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS BE COMPLETED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND THE GRADING OR BUILDING PERMIT.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS SHALL BE REQUIRED 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 THE INITIAL APPROVAL BY THE DEPARTMENT OF INSPECTIONS, LICENSES 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 ADJACENT PUBLIC ROADS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE IN ACCORDANCE WITH HOWARD COUNTY SPECIFICATIONS AND STANDARDS.
- ALL FILL SHALL BE ROLLED TO A MINIMUM DEGREE OF COMPACTION TO 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 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 SHALL REQUEST A WAIVER TO HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, SECTION 16.116.C6, IN THE EVENT THAT WORK WILL BE DONE WITHIN A 25' WETLAND BUFFER OR 75' STREAM BUFFER AREA. WAIVER APPROVES UNDER CLARY'S FOREST MASTER PLAN SDP-90-183 AND WP-90-129. THESE WAIVERS APPLY TO ALL PATHWAYS SHOWN ON THIS PLAN. REFER ALSO TO FDP 181, PART IV, P86-128.
- "NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN WETLAND OR STREAM BUFFERS EXCEPT AS APPROVED PER WAIVER PETITION". WAIVER APPROVED UNDER SDP-90-183 AND WP-90-129. THESE WAIVERS APPLY TO ALL PATHWAYS SHOWN ON THIS PLAN.
- ALL SEDIMENT AND EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE AGREEMENT MADE BETWEEN COLUMBIA ASSOCIATION AND HSCD AMENDED 8/1/1990.

- NO FILL MATERIAL WILL BE DEPOSITED IN WETLANDS, STREAM CHANNELS OR ASSOCIATED BUFFER AREAS EXCEPT AS APPROVED UNDER SDP-90-183 AND WP-90-129.
- THE LIMIT OF DISTURBANCE FOR PATHWAY CONSTRUCTION SHALL BE RESTRICTED TO A 10 FOOT WIDE CORRIDOR FOR ALL ENCROACHMENTS WITHIN THE REQUIRED WETLAND/STREAM BUFFERS AS INDICATED ON THE SITE DEVELOPMENT PLAN.
- THE DEVELOPER SHALL IMPLEMENT AND ADEQUATELY MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES INCLUDING LIMITING THE DISTURBANCE TO EXISTING VEGETATION AND STEEP SLOPES FOR AREAS ADJACENT TO WETLANDS AND STREAMS.
- DEMARCATE THE LIMIT OF DISTURBANCE AREA ON SITE WITH A CONSTRUCTION FENCE PRIOR TO ANY CLEARING AND/OR GRADING ACTIVITY FOR CONSTRUCTION.
- FUTURE PLANS OR BUILDING PERMITS SHALL REFERENCE ALL WAIVER APPROVAL REFERENCES TO INCLUDE SDP-90-183, WP-90-129 AND WP-91-56.
- ALL PROPOSED PATHWAY LOCATIONS SHALL BE FIELD STAKED AND APPROVED BY THE PROJECT ENGINEER. PATHWAYS SHALL BE LAID OUT 30' FROM EXISTING STREAM CHANNELS WHERE OPEN SPACE PROPERTY LIMITS PERMIT.
- A WAIVER HAS BEEN SUBMITTED FOR STORMWATER MANAGEMENT QUANTITY AND QUALITY CONTROL. WAIVER APPROVED UNDER SDP-90-183 AND WP-91-56. REFER TO DWM LETTER DATED JANUARY 7, 1991.
- A WAIVER HAS BEEN SUBMITTED FOR WORK WITHIN THE 100-YEAR FLOODPLAIN PER SEC. 16.116 (a)(1)(2). WAIVER APPROVED UNDER SDP-90-183 AND WP-90-129. THESE WAIVERS SHALL APPLY TO ALL PATHWAYS SHOWN ON THIS PLAN.
- THE FOLLOWING PERMITS SHALL APPLY TO PROPOSED CONSTRUCTION SHOWN ON THESE PLANS, CORPS OF ENGINEERS AND WATER QUALITY PERMIT NO. 88-1444-5 AND 88-4190-5.
- A WAIVER HAS BEEN APPROVED FOR TOT LOT CONSTRUCTION WITHIN FLOOD PLAIN, WETLAND AND STREAM BUFFER AREAS PER SECTION 16.116 G.1.2 AND SECTION 16.116 G.6. REFER TO WP-91-161, VHR, IRON FRAME WAY TOT LOT.

- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) seven calendar days for the surface of all perimeter controls and all perimeter slopes; b) fourteen calendar days for all other disturbed or graded areas. Areas where active construction is in progress are exempt.
- Upon completion of final grading all disturbed areas shall be stabilized with concrete, blacking, stone, or vegetative cover. Areas to be vegetatively stabilized temporarily shall be stabilized during the first seeding period (March 1 thru April 30, or August 1 thru October 15) following grading. Extension Service Bulletin # 171 may be used as a guide for seeding.
- All off site fill or borrow areas must have an approved sediment control plan and permit prior to grading.
- The applicant shall notify the Howard County Sediment Control Division at least 48 hours prior to commencing clearing or grading. (Call 992-7431)
- Compliance with the provisions of the agreement shall not relieve (A) of taking additional measures when necessary to prevent erosion and sedimentation. Additional requirements may be imposed by the Howard County Sediment Control Inspector assigned to the job, when deemed necessary to prevent erosion and sedimentation.



- EQUIPMENT**
- A HORIZONTAL LADDER #40I
 - B (2) SPRING ANIMALS
 - C SANDBOX
 - D FORT UNIT # 10I
 - E T SWING # 116
 - F PERMANENT BENCH
 - G PERMANENT TRASH CONTAINER

SPECIFIC TERMS AGREEMENT
between
COLUMBIA ASSOCIATION (CA)
and
THE HOWARD SOIL CONSERVATION DISTRICT (HSCD)

Intent: The intent of this agreement is: (1) to establish a procedure for approval of certain minor earth disturbing activities associated with the installation of erosion and sediment control measures for such activities in lieu of obtaining prior approval of a detailed erosion and sediment control plan.

This agreement applies only to those activities specified herein. Any other earth disturbing activities, not within the scope of this agreement, shall be covered by a detailed erosion and sediment control plan, approved by HSCD prior to beginning such activities.

This agreement shall not be construed as a waiver of the requirement to provide effective erosion and sediment control on any type of earth disturbing activity. It is only purpose to simplify the procedure for complying with the erosion and sediment control requirements on work of a minor (as defined herein) nature.

General Terms

- This agreement shall remain in effect, on an annually renewable basis, from the date herein, or until terminated by either party upon written notice to the other.
- Nothing in this agreement, either expressed or implied, shall be interpreted as relieving CA of the responsibility to meet any and all terms or conditions as set forth in the following regulations:
 - The Maryland Code, Natural Resources, Article 8, Subtitle 11, Sediment Control.
 - The Howard County Code, Subtitle 4, Sections 1-400 through 1-406, except with respect to the procedure specified herein.
- This agreement does not constitute a Permit. Any required permits must be obtained from appropriate authorities.
- CA shall designate an official with appropriate authority, to assume responsibility for implementation of this agreement, and who will serve as liaison agent with the Howard Soil Conservation District and the Howard County Sediment Control Division.
- The liaison agent shall be responsible for informing the appropriate agencies in a timely manner, of any problems, changes or conditions that might reduce the effectiveness of any proposed or existing erosion or sediment control measures.

Specific Terms

- All work performed under this agreement shall comply fully with the requirements of the 1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control and/or specific requirements which may be issued by HSCD.
- No work covered by this agreement shall be started until written approval (as defined herein) has been received from HSCD.

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS,
REVIEWED NO FACILITIES REQUIRED
9-3-91
DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
9/17/91
DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
REVIEWED NO FACILITIES REQUIRED
9-6-91
DATE

<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 DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.</p> <p>DATE: 4/18/91</p> <p>SIGNATURE OF DEVELOPER: DAN A. BULLIS</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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p>DATE: 4/18-91</p> <p>SIGNATURE OF ENGINEER: LOTEN T. MASKER, JR.</p> <p>LOTEN T. MASKER, JR. P.E.</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 SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY.</p> <p>DATE: 4/18/91</p> <p>SIGNATURE OF DEVELOPER: DAN A. BULLIS</p>	<p>THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p>APPROVED: HOWARD S.C.D. DATE: _____</p> <p>REVIEWED FOR HOWARD S.C.D. AND METS TECHNICAL REQUIREMENTS: _____</p> <p>APPROVED: _____ DATE: _____</p> <p>U.S. SOIL CONSERVATION SERVICE</p>	<p>STATE OF MARYLAND HICKORY RIDGE MAY 1991</p>	<p>no. description date</p> <p>revisions</p>	<p>prepared by</p> <p>RBA ENGINEERS & ARCHITECTS + PLANNERS</p> <p>5560 STERRETT PLACE, SUITE 300 COLUMBIA, MARYLAND 21044 301 / 730-7950 621-6050</p>	<p>SITE LAYOUT</p> <p>VILLAGE OF HICKORY RIDGE CLARY'S FOREST NEIGHBORHOOD IRON FRAME WAY TOT LOT</p>	<p>SCALE: AS SHOWN</p> <p>DRAWN: T.R. CHECKED: L.L.T.</p> <p>PROJ. NO: 0291 DATE: _____</p> <p>SHEET: 2 OF 4</p>
					<p>HOWARD COUNTY</p>	<p>MARYLAND</p>		

SDP 91-122

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 THE INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETE WITHIN: A) SEVEN (7) CALENDAR DAYS AS TO THE HORIZONTAL OF ALL SLOPES, AND ALL SLOPES GREATER THAN 3:1 VERTICAL TO 1 HORIZONTAL (3:1) AND B) FOURTEEN (14) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 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. PERMANENT STABILIZATION SHALL BE COMPLETE WITHIN: A) SEVEN (7) CALENDAR DAYS AS TO THE HORIZONTAL OF ALL SLOPES, AND ALL SLOPES GREATER THAN 3:1 VERTICAL TO 1 HORIZONTAL (3:1) AND B) FOURTEEN (14) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY DEPT. OF PUBLIC WORKS SEDIMENT CONTROL INSPECTOR.
- REFER TO "1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR 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 AND WILL BE MADE TO INSURE THE SEDIMENT CONTROL 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.
- DUST 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 JUST 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 CHANGING.
- ANY DISTURBED EARTH LEFT IDLE FOR PERIODS EXCEEDING 30 DAYS SHALL BE STABILIZED ACCORDING TO TEMPORARY STABILIZATION SPECIFICATIONS.
- AT THE END OF EACH WORKING DAY ALL SEDIMENT CONTROL PRACTICE SHALL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
- 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.
- AT THIS TIME, WE BELIEVE THAT SECTIONS 404 OR 401 OF THE CLEAN WATER ACT DO NOT EFFECT 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.

TEMPORARY AND PERMANENT SEEDING NOTES

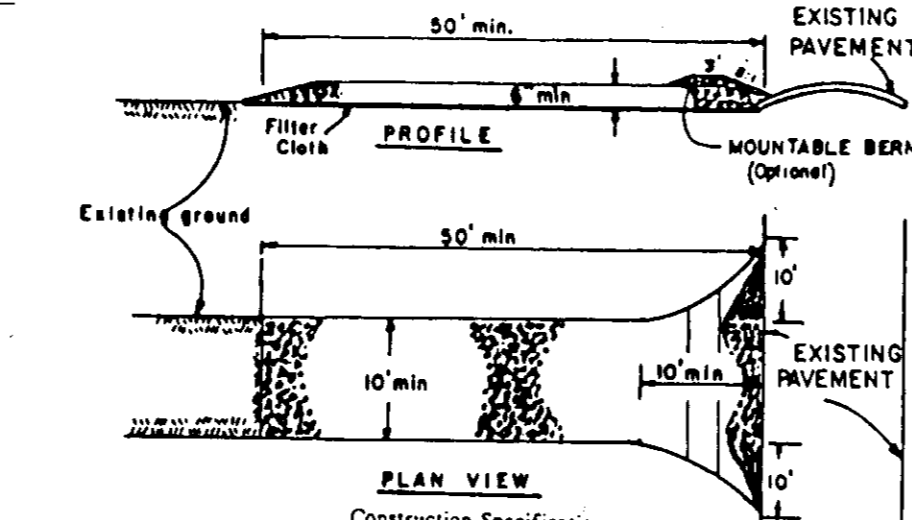
- TEMPORARY SEEDING NOTES:**
 APPLY TO GRADED OR CLEARED AREAS WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED. SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS:** APPLY 60 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.)
- SEEDING:** FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 15 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ. FT.) FOR THE PERIOD OF MAY 1 THRU AUGUST 14, SEED WITH 2 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 1/2 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. REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.
- 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:** IN 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 800 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 UREAFORM 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 PER ACRE 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.

SITE ANALYSIS

- PROPOSED PATHWAY 300 LF TOTAL, 1,800 S.F. PAVED AREA.
- PROPOSED BRIDGE CROSSING (1) TOTAL
- TOT LOT (1) TOTAL = 1,938 S.F.
- TOTAL DISTURBED AREA = 4,938 S.F.
- TOTAL FILL 13 C.Y.
- 1,200 S.F. TO BE VEGETATIVELY STABILIZED.

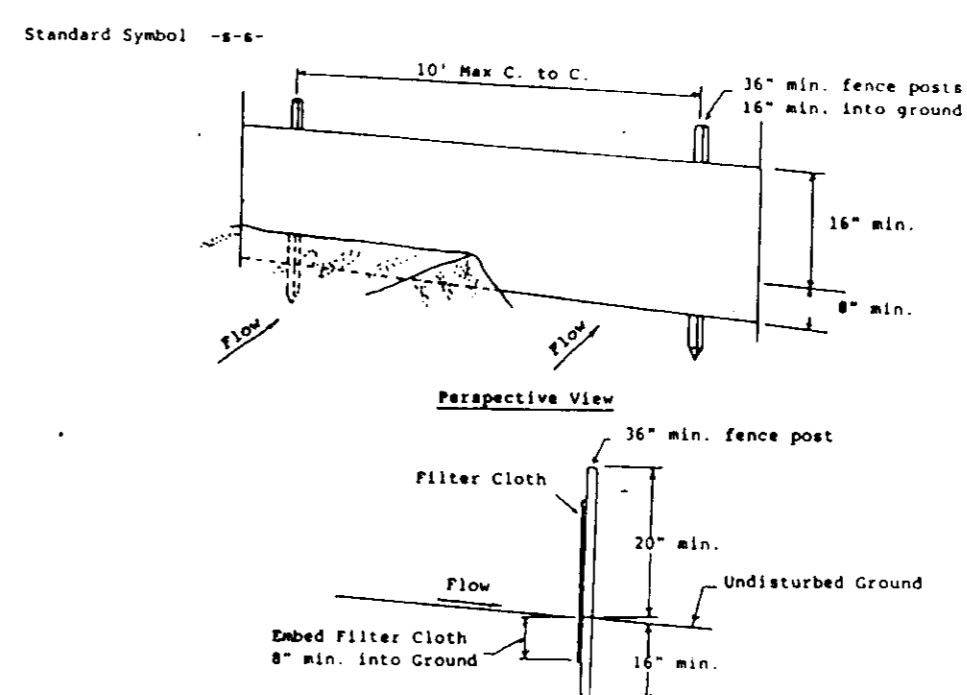
SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT FROM HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS.
- NOTIFY MD. DEPARTMENT OF ENVIRONMENT TEN (10) DAYS PRIOR TO COMMENCING WORK. VERBAL NOTIFICATION IS TO BE FOLLOWED BY WRITTEN NOTICE WITHIN TEN (10) DAYS.
- NOTIFY INSPECTIONS, LICENSES AND PERMITS AT LEAST 48 HOURS BEFORE ANY WORK BEGINS.
- CLEAR AND GRUB FOR SEDIMENT AND EROSION CONTROL MEASURES ONLY. 2 DAYS
- INSTALL STABILIZED CONSTRUCTION ENTRANCES. 1 DAY
- INSTALL SEDIMENT AND EROSION CONTROL MEASURES ASSOCIATED WITH PATHWAY AND TOT LOT AREAS. INSTALL PATHWAY AND TOT LOT AREAS. 5 DAYS
- INSTALL SILT FENCE ALONG THE PATH OR TOP LOT AREA SECTION TO BE CONSTRUCTED. PLACE ON THE DOWNHILL SIDE OF THE PROPOSED PATH IN ACCORDANCE WITH THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS AND 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. 2 DAYS
- NOTIFY HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION UPON COMPLETION OF SAID INSTALLATION.
- ALL PROPOSED PATHWAY LOCATIONS SHALL BE FIELD STAKED AND APPROVED BY THE PROJECT ENGINEER. PATHWAYS SHALL BE LAID OUT 30' FROM EXISTING STREAM CHANNELS WHERE OPEN SPACE PROPERTY LIMITS PERMIT. 2 DAYS
- WITH THE APPROVAL OF HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS AND THE SEDIMENT CONTROL INSPECTOR, CLEAR AND GRUB AREAS FOR PATHWAY CONSTRUCTION. 3 DAYS
- GRADE AREAS FOR PATHWAY CONSTRUCTION AS CLOSE TO EXISTING GRADES AS POSSIBLE. CROSS SLOPES SHALL REFLECT EXISTING TOPOGRAPHIC CONDITIONS. 3 DAYS
- MAINTAIN POSITIVE DRAINAGE TO SEDIMENT CONTROL STRUCTURES. NO SLOPES SHALL EXCEED 3:1 SLOPE. STABILIZE ROUGH GRADED AREAS PER SPECIFICATIONS LISTED. 2 DAYS
- STABILIZE ALL DISTURBED AREAS IMMEDIATELY FOLLOWING INITIAL SOIL DISTURBANCE AND WITHIN 14 DAYS.
- INSTALL BASE COURSE AND BITUMINOUS ASPHALT AS REQUIRED TO MAINTAIN POSITIVE DRAINAGE FLOW. PERMANENTLY STABILIZE ALL DISTURBED AREAS ON EITHER SIDE OF PATHWAYS. 10 DAYS
- AFTER OBTAINING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL EROSION CONTROL DEVICES AND STABILIZE THOSE AREAS. 1 DAY

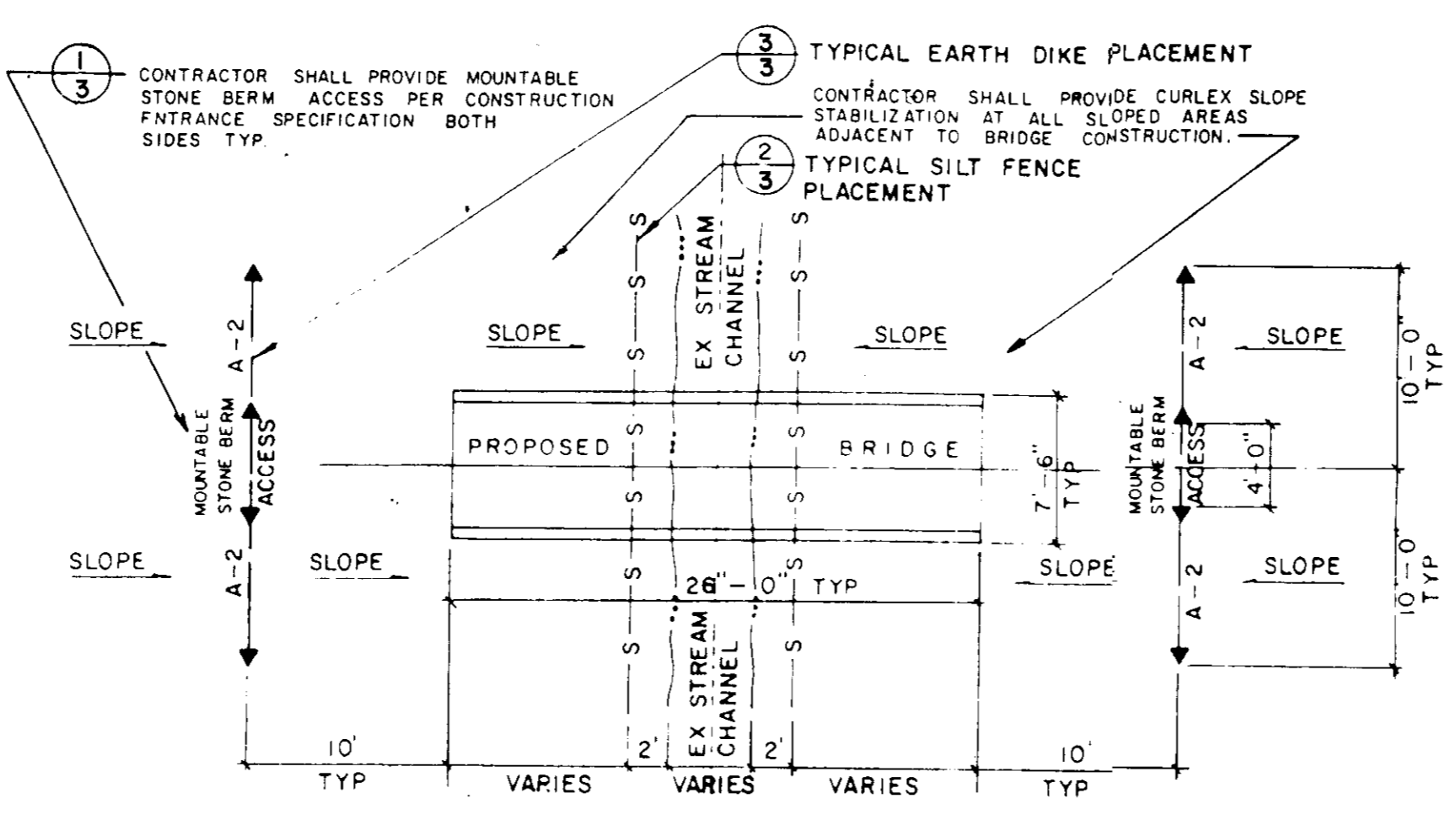
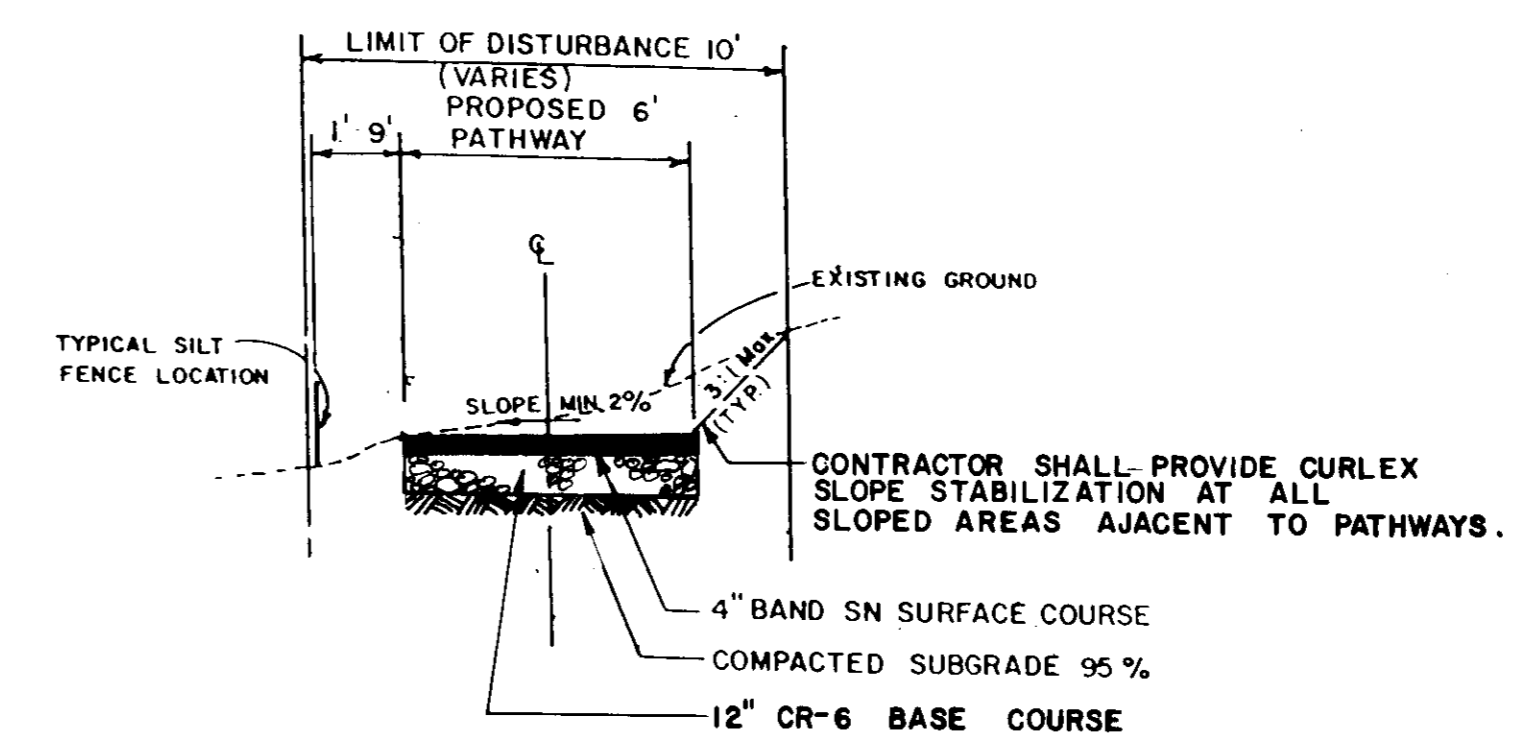
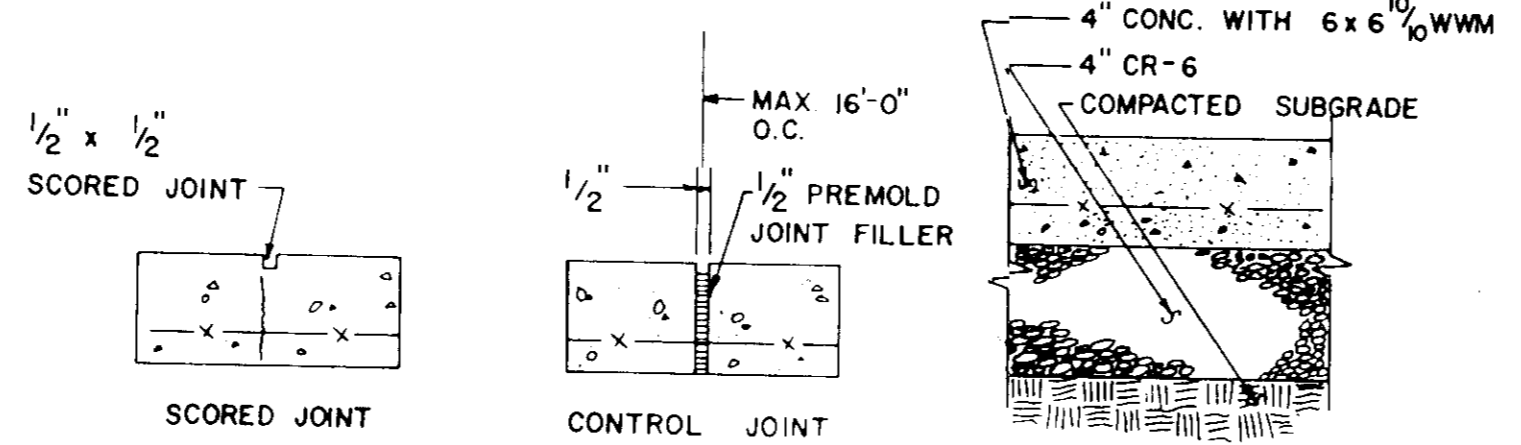


- Construction Specifications**
- Length - minimum of 50 (30 for single residence lot)
 - Width - Ten (10) foot minimum, should be flared at the existing road to provide a turning radius.
 - Geotextile fabric (filter cloth) over the entire area prior to placing stone. Single family residence may not require geotextile.
 - Stone - crushed aggregate #2 (1 1/2" to 3"), or reclaimed or recycled concrete equivalent shall be placed at least six (6) inches deep over the length and width of the entrance.
 - Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped under the entrance. If piping is impractical, a mounded berm with 5:1 slopes will be permitted.
 - Maintenance - the entrance shall be maintained in a condition which will minimize tracking of sediment onto public rights-of-way. This may require periodic top up measures used to trap sediment. All sediment spilled, dropped, washed or swept, scraped, or tracked.
 - 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.
 - Daily inspection and maintenance is required.

- All trees, brush, stumps, obstructions and other objectionable material shall be removed and disposed of to a lot to interfere with the proper functioning of the dike, wall, or dike/wall.
- The dike, wall, or dike/wall shall be constructed to line, grade, and cross-section as required to meet the criteria specified in this standard.
- All (1)11 shall be constructed by earth moving equipment.
- Any excess excavated material shall be disposed of so that it will not create a source of sediment.
- All dikes, walls, or dike/walls shall have uninterrupted positive grade to a stabilized water.
- Runoff diverted from a disturbed area shall be conveyed to a sediment trap or basin.
- Runoff diverted from an undisturbed area shall be conveyed to an undisturbed stabilized area at non-erosive velocity.
- Areas disturbed by construction of the dike, wall, or dike/wall, and the dike, wall, or dike/wall itself shall be stabilized within 7 days of completion of construction.
- Stabilization of the flow channel shall be accomplished within 7 days of completion of construction, and shall be in accordance with the following chart.



- Silt Fence Construction Specifications**
- Silt fences must be embedded, or keyed in, at least 8 inches into the ground. Laying the lower edge of the filter fabric on the ground and covering it with soil is not an acceptable method of keying in. The key-in trench can be excavated by hand or by digging equipment. After the silt fence is constructed, the trench must be backfilled and compacted.
 - Fence posts must be:
 - at least 36 inches long, and
 - have a cross sectional area of at least 3 square inches if wooden, or
 - weigh at least 1 pound per linear foot if steel T or U type, and
 - on 10 foot maximum centers, and
 - driven at least 16 inches into the ground.
 - The filter fabric must be fastened securely to the fence posts.
 - When two sections of filter fabric are joined together, the joint must occur at a fence post. The ends of the filter fabric should be overlapped by at least 6 inches, folded, and fastened to the fence post so that no gaps in the fence occur. Manufacturer's recommendations for joining fabric sections may be followed as long as the resulting joint does not create gaps in the silt fence.
 - Silt fence must be located along the contours.
 - Silt fences must be inspected periodically and after each rain event and maintenance performed as necessary.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEM, AND PUBLIC ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 REVIEWED: NO FACILITIES REQUIRED. 9/3/0
 DIRECTOR: [Signature] DATE: 9/3/0
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 9/3/0
 APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 [Signature] DATE: 9/19/91
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEM, AND PUBLIC ROADS.
 HOWARD COUNTY HEALTH DEPARTMENT
 REVIEWED: NO FACILITIES REQUIRED.
 [Signature] DATE: 9-6-91
 COUNTY HEALTH OFFICER

OWNER DEVELOPER -
 VILLAGE OF HICKORY RIDGE
 5829 HANNEKER RD.
 COLUMBIA, MARYLAND 21044
 (301) 381-0120

ADDRESS CHART
 SHEET 3 OF 4
 Tot Lot 5940 IRON FRAME WAY

SCALE AS SHOWN
 DRAWN BY: [Signature] CHECKED BY: [Signature]
 T.R. L.D.T.
 PROJECT NO. 228
 DATE 02/91

PREPARED BY: RBA
 5560 STERRETT PLACE SUITE 300
 COLUMBIA MARYLAND 21044
 301 730-7950 621-6050

SITE DETAIL SHEET
 VILLAGE OF HICKORY RIDGE
 CLARY'S FOREST NEIGHBORHOOD
 IRON FRAME WAY TOT LOT

HOARD COUNTY MARYLAND SHEET 3 OF 4
 SDA 91-122

<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 DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.</p> <p>DATE: 11/19/91</p> <p>SIGNATURE OF DEVELOPER: [Signature]</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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p>DATE: 9-18-91</p> <p>SIGNATURE OF ENGINEER: [Signature]</p> <p>LOTEN T. MASKER, JR. P.E.</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. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.</p> <p>DATE: 11/19/91</p> <p>SIGNATURE OF DEVELOPER: [Signature]</p> <p>DAVID A. BULLIS</p>	<p>THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p>APPROVED: [Signature]</p> <p>HOWARD S.C.D. DATE: [Signature]</p> <p>REVIEWED FOR HOWARD COUNTY ENGINEERING REQUIREMENTS: [Signature]</p> <p>APPROVED: [Signature]</p> <p>U.S. SOIL CONSERVATION SERVICE DATE: [Signature]</p>	<p>STATE OF MARYLAND LOYEN T. MASKER, JR. P.E. PROFESSIONAL ENGINEER NO. 18317</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: RBA</p> <p>5560 STERRETT PLACE SUITE 300 COLUMBIA MARYLAND 21044 301 730-7950 621-6050</p>
no	description	date										

