

GENERAL NOTES

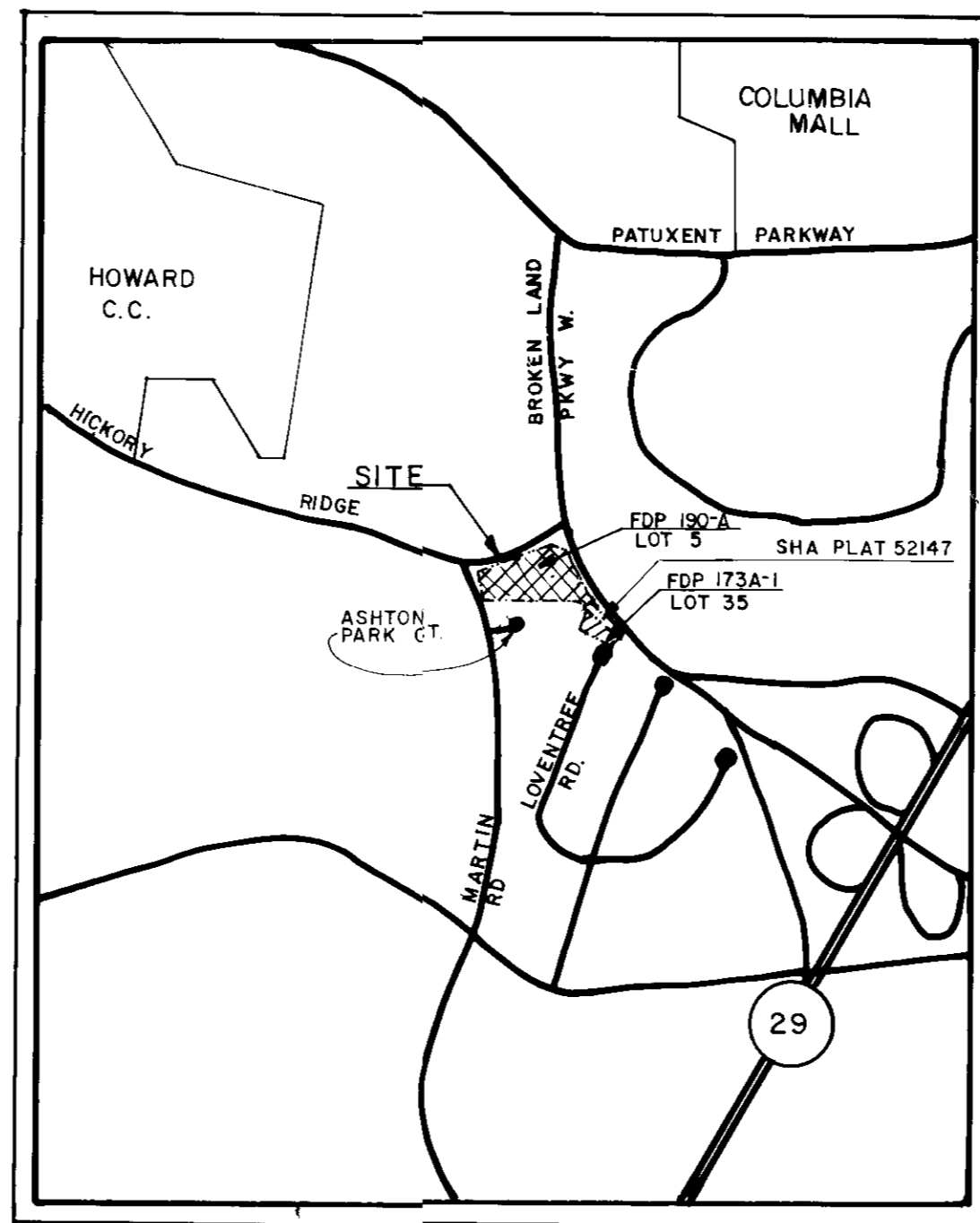
- TOPOGRAPHY SHOWN ON THIS DRAWING HAS BEEN TRACED FROM TOPOGRAPHIC SURVEYS AND MAPS PREPARED BY HOWARD COUNTY. THE OWNER OR ARCHITECT DO NOT IN ANY WAY GUARANTEE THE INFORMATION SHOWN HEREON, NOR DOES ANY INFORMATION SHOWN OR LACK THEREOF BELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CORRECT AND PROPER COMPLETION OF GRADING.
- ALL TREES UP TO DIAMETER OR GREATER SHALL REMAIN PROTECTED AND UNDAUNAGED 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 THE 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 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 AND MAINTAIN MINIMUM COVER REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE DRAWINGS:
  - "MESS" UTILITY 1-800-857-7777
  - METROPHONE GAS & ELECTRIC COMPANY (410) 954-6868
  - C & P TELEPHONE COMPANY (410) 393-3648
- IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NOT NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PREFORM SUCH WORK.
- THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FOR CONSTRUCTION.
- ALL UTILITIES ARE TO BE RETAINED UNLESS MARKED OTHERWISE AND APERTURES ARE TO BE ADJUSTED TO FINISH GRADE.
- THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION/INSPECTION DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 313-1864.
- PRIOR TO START OF ANY CONSTRUCTION THE CONTRACTOR SHALL STAKE OUT ALL CONSTRUCTION AND VERIFY ALL OFFSETS, SETBACKS, EXISTING UTILITY LOCATIONS ORIGINALLY AND VERTICALLY AND DIMENSIONS.
- THE CONTRACTOR SHALL USE THE DIMENSIONS SHOWN SINCE 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 WELLS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- THE DEVELOPER MUST REQUEST THAT THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS APPROVE WORK COMPLETED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND THE GRADING OR BUILDING PERMIT.
- ALL FILL SHALL BE RELIED TO A MINIMUM DEGREE OF COMPACTION TO 95% OF THE DRY UNIT WEIGHT AS DETERMINED BY ASTM D-1557.
- STRUCTURES NOTED FOR REMOVAL SHALL BE REMOVED ENTIRELY AND COMPLETELY. REMOVAL OF UTILITIES THAT ARE BELOW GRADE SHALL HAVE THE SURFACE ABOVE RESTORED TO MATCH ADJACENT GRADES.
- THIS PROJECT IS WITHIN FBP-196-A LOT 50 AND FBP-173-A-1 LOT 350 AND COMPLIES WITH THE REQUIREMENTS OF THESE FBP'S ZONING OF PROPOSED NEW TOWN OPEN SPACE. SEE ALSO F-85-131 B F-80-33C.
- A FEE-IN-LIEU OF STORMWATER MANAGEMENT WAS APPROVED BY THE DEPT. OF PUBLIC WORKS 2/22/94.
- DNR LETTER OF AUTHORIZATION 93-NT-1180. THIS PROJECT DOES NOT REQUIRE AUTHORIZATION FROM THE ARMY CORPS OF ENGINEERS OR A WATER QUALITY CERTIFICATION FROM MDE.
- THE CONTRACTOR SHALL STAKEOUT AND CONSTRUCT PATH CONNECTIONS IN A MANNER THAT AVOIDS IMPACT TO EXISTING UTILITIES AND SHALL RECT EXISTING SIDEWALKS AND/OR CURBS WHEN FEASIBLE. (S.F. FBP-173-A)
- IN ACCORDANCE WITH THE FBP HURDLES FOR OPEN SPACE LAND USE, NO STRUCTURE SHALL BE LOCATED WITHIN 50 FEET OF A PUBLIC STR. ECT, ROAD OR HIGHWAY RIGHT-OF-WAY OR WITHIN 25 FEET OF ANY PROPERTY LINE EXCEPT HOWEVER IF SHOWN ON THE SFP APPROVED BY THE HOWARD COUNTY PLANNING BOARD.
- ALL IMPROVEMENTS SHALL BE MAINTAINED BY THE OWNER.
- CONSTRUCTION AND MANAGEMENT PRACTICES FOR WORKING IN NONTIDAL WETLANDS:
  - REMOVE EXCESS FILL OR CONSTRUCTION MATERIAL OR DEBRIS TO AN UPLAND DISPOSAL AREA OUTSIDE OF ANY FLOODPLAIN, WATERWAY, WETLAND OR BUFFER.
  - PLACE MATERIALS IN A LOCATION AND MANNER WHICH DOES NOT ADVERSELY IMPACT SURFACE OR SUBSURFACE WATER FLOW INTO OR OUT OF THE NONTIDAL WETLANDS.
  - RECTIFY ANY NONTIDAL WETLANDS AND BUFFERS TEMPORARILY IMPACTED BY THE PROJECT. ALL STABILIZATION IN THE WETLAND AND BUFFER SHALL BE OF THE FOLLOWING RECOMMENDED SPECIES: ANNUAL RYEGRASS (LULIUM MULTIFLORUM), HELLET CESTRUM ITALICUM, GARY GARDIA SPA, AND/OR RYE (CEALIA COSEAL). OTHER NON-PERENNIAL VEGETATION MAY BE ACCEPTABLE, BUT MUST BE APPROVED BY THE NON-TIDAL WETLANDS REVISION. KENTUCKY BLUEGRASS SHALL NOT BE UTILIZED IN THE WETLAND OR BUFFER. ALL TEMPORARY FILLS SHALL BE REMOVED IN THEIR ENTIRETY ON OR BEFORE THE COMPLETION OF CONSTRUCTION.
  - TO PROTECT IMPORTANT AQUATIC SPECIES, IN-STREAM WORK IS PROHIBITED AS DETERMINED BY THE CLASSIFICATION OF THE STREAMS AS FOLLOWS:
    - 1. CLASS 1 WATERS: IN-STREAM WORK MAY NOT BE CONDUCTED DURING THE PERIOD MARCH 1 THROUGH JUNE 15, INCLUSIVE, DURING ANY YEAR.
    - 2. NO REMOVAL OF VEGETATION, GRAZING, FILLING, BRANING OR OTHER ALTERATION OF THE NONTIDAL WETLANDS OR BUFFER OUTSIDE THE LIMITS OF DISTURBANCE SHALL OCCUR EITHER DURING CONSTRUCTION OR AFTER COMPLETION WITHOUT WRITTEN AUTHORIZATION FROM THE WATER RESOURCES ADMINISTRATION.

- VALUERS WERE GRANTED IN 12/17/93 FROM THE FOLLOWING SECTIONS OF THE SUBDIVISION AND LAND ACQUISITION REGULATIONS (SP-94-37):
  - SECTION 116.166(2)(D) AND (2) TO ALLOW GRADING WITHIN THE FLOODPLAIN.
  - SECTION 116.62(2) TO ALLOW GRADING AND REMOVAL OF VEGETATIVE COVER FROM THE 25 FOOT WETLAND AND 75 FOOT STREAMBANK BUFFERS.
  - SECTION 116.166(2)(A) TO ALLOW GRADING AND REMOVAL OF VEGETATIVE COVER FROM EXISTING SLOPES GREATER THAN 50%.
- APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS:
  - THE LIMIT OF DISTURBANCE SHALL 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 SFP.
  - THE DEVELOPER SHALL IMPLEMENT AND MAINTAINLY MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES INCLUDING LIMITING THE DISTURBANCE TO EXISTING VEGETATION AND STEEP SLOPES FOR THE AREAS ADJACENT TO THE WETLANDS AND STREAMS.
  - DEMARCATE THE LIMIT OF DISTURBANCE AREA WITH A TREE PROTECTION FENCE PRIOR TO ANY CLEARING AND GRADING ACTIVITY IN EXISTING WOODS AND SENSITIVE ENVIRONMENTAL AREAS.
  - CONSTRUCT THE BOARDWALK TO THE OUTER EDGE OF THE WETLANDS BUFFER.
  - LOCATE THE PATH WITHIN THE EXISTING CLEARED AREA WHEREVER POSSIBLE ON OPEN SPACE LOT 5.

# VILLAGE OF HICKORY RIDGE

## SEBRING/MARTIN ROAD

### PATHWAY CONNECTION



VICINITY MAP

1" = 1000'

SITE TABULATIONS

1. PROPOSED BITUMINOUS PATHWAY 903 LF TOTAL 5,417 SF TOTAL	5. DISTURBED WETLANDS (PERMANENT) 326 SF TOTAL .007 AC TOTAL
2. PROPOSED TIMBER BRIDGE CROSSING 1 TOTAL	6. DISTURBED STREAM BUFFER (PERMANENT) 73 SF TOTAL .002 AC TOTAL
3. PROPOSED TIMBER BOARDWALK 243 LF TOTAL 1,458 SF TOTAL	
4. TOTAL DISTURBED AREA FOR PATHWAY BOARDWALK AND BRIDGE CONSTRUCTION 11,460 SF TOTAL .26 AC TOTAL	

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE SYSTEMS, SYSTEM DRAINAGE SYSTEMS AND PUBLIC ROADS.  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
REVIEWED FACILITIES REQUIRED

James J. [Signature] 6/20/94  
DIRECTOR DATE

Elizabeth Anderson-Cala acting 6/17/94  
CHIEF BUREAU OF ENGINEERING M.R. [Signature] DATE

APPROVED HOWARD DEPARTMENT OF PLANNING AND ZONING

James J. [Signature] 9/20/94  
DIRECTOR DATE

Chim [Signature] 9/20/94  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH [Signature]

INDEX

- COVER SHEET
- PATHWAY LAYOUT SHEET
- SEDIMENT & EROSION CONTROL & SITE DETAIL SHEET

OWNER/DEVELOPER  
COLUMBIA ASSOCIATION  
10221 WINCOPIN CIRCLE  
COLUMBIA, MD 21044  
(410) 715-3000

ADDRESS CHART

BUILDING	STREET ADDRESS

SUBDIVISION VILLAGE OF HICKORY RIDGE  
PLAT 10068 5 2 5  
4596 1 35  
SHA S2147

BLOCK ZONE TAX/ZONE MAP ELEC DIST CENSUS TR  
N/A NT-OS 36 5 N/A

WATER CODE SEWER CODE  
N/A N/A

APPROVED  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE 12-21-93

	revisions	<p>ENGINEERS-ARCHITECTS-PLANNERS 5560 STERRETT PLACE, SUITE 300 COLUMBIA, MARYLAND 21044 301-730-7950 BALTIMORE 301-621-6050 WASHINGTON 301-964-0916 FAX</p>	TITLE SHEET		SCALE
	no. description date		VILLAGE OF HICKORY RIDGE SEBRING/MARTIN ROAD PATHWAY CONNECTION HOWARD COUNTY MARYLAND		DRAWN RC CHECKED PROJ. NO. J0893 DATE 9/20/93 1 OF 3 SHEETS

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. REVIEWED NO FACILITIES REQUIRED.

DATE: 2/20/94

DIRECTOR: *James J. Law*

CHIEF, BUREAU OF ENGINEERING: *Elizabeth Anderson* DATE: 2/17/94

APPROVED: HOWARD DEPARTMENT OF PLANNING AND ZONING

DATE: 9/22/94

DIRECTOR: *James Smith*

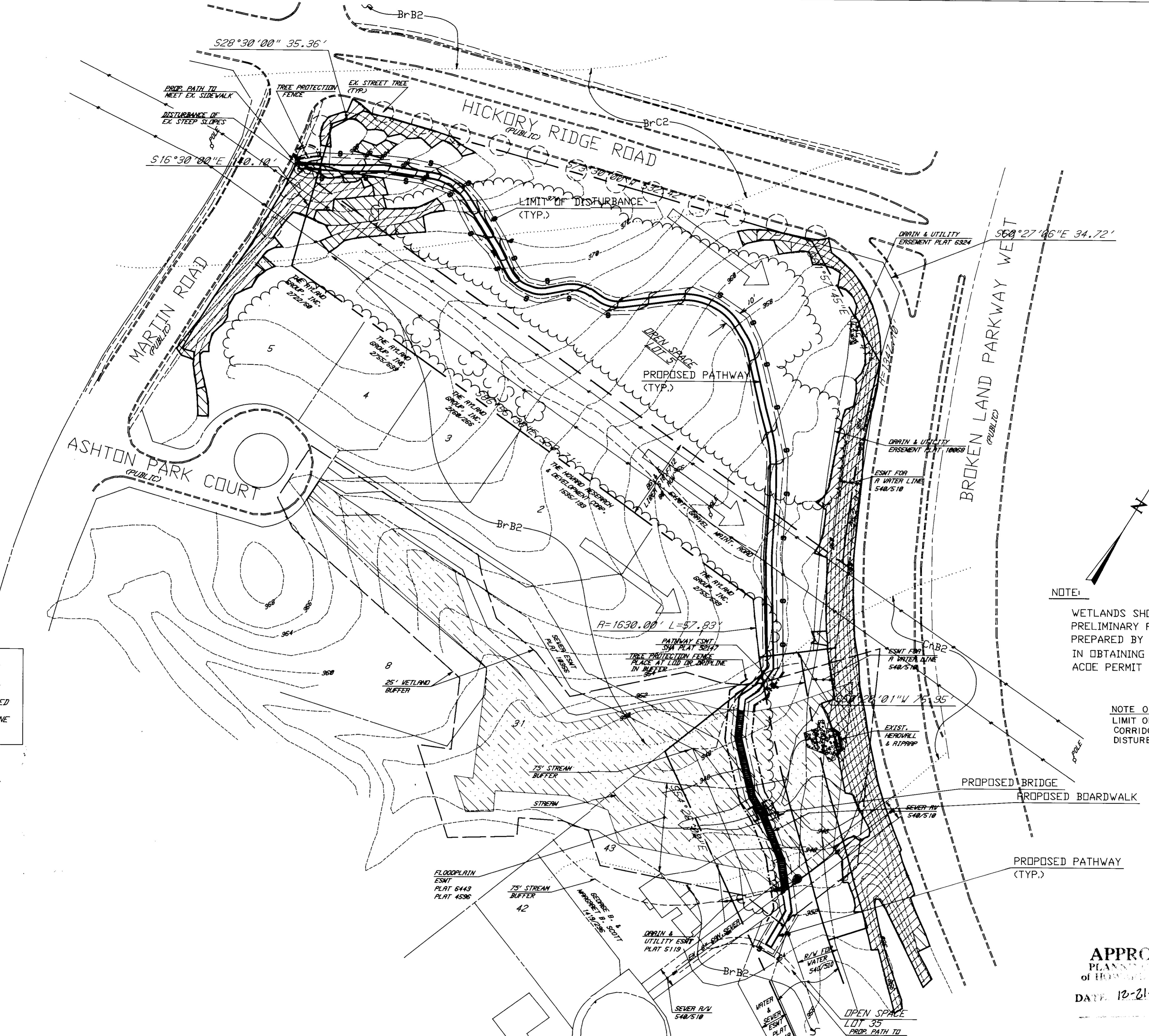
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH: *Anna Stumm* DATE: 9/20/94

- KEY**
- 25% < SLOPES
  - 15-24.9% < SLOPES
  - WETLAND
  - SILT FENCE
  - LIMIT OF DISTURBANCE
  - BOARDWALK
  - BRIDGE
  - SOIL
  - DRAINAGE FLOW
  - EX. CONTOUR
  - PROP. CONTOUR
  - EX. TREES & VEGETATION
  - TREE PROTECTION FENCE

**NOTE ON TREE PRESERVATION:**  
 ALL TREES 12" IN DIAMETER OR GREATER SHALL REMAIN PROTECTED AND UNHARMED. AN EFFORT WILL BE MADE TO PROTECT ALL OTHER TREES THROUGH FIELD ADJUSTMENTS TO PATHWAY LAYOUT, IF NECESSARY, AND TREE PROTECTION PROCEDURES WHERE REQUIRED OR DETERMINED IN THE FIELD. DUE TO THE NATURE OF THE PROJECT TREE LOSS WILL BE MINIMAL AND THE EXISTING TREELINE IS AS WELL AS CAN BE DETERMINED, THE TREELINE TO REMAIN.

**NOTE:**  
 WETLANDS SHOWN ARE FROM VILLAGE OF HICKORY RIDGE - PRELIMINARY PLAN SECTION 2 AREA 2 DATED MARCH, 1991 PREPARED BY CENTURY ENGINEERING AND APPROVED BY DNR. IN OBTAINING WATER QUALITY CERTIF. #WQC91046 ACDE PERMIT (#14 & #26) # CENAB-DPRW90-01308-3

**NOTE ON LIMIT OF DISTURBANCE:**  
 LIMIT OF DISTURBANCE SHALL BE A 10' WIDE CORRIDOR. DO NOT SCALE THE LIMIT OF DISTURBANCE SHOWN ON THESE PLANS.



**APPROVED**  
 PLANNING DEPARTMENT  
 OF HOWARD COUNTY  
 DATE: 10-21-93

OWNER/DEVELOPER			
COLUMBIA ASSOCIATION 10221 WINCOPIN CIRCLE COLUMBIA, MD 21044 (410) 715-3000			
ADDRESS CHART			
BUILDING	STREET ADDRESS		
SUBDIVISION	PLAT	SECTION/AREA	LOT/PARCEL
VILLAGE OF HICKORY RIDGE	1005B 4596 SHA 52147	5 2 1	5 35
BLOCK	ZONE	TAX/ZONE MAP	BLK DIST CENSUS TR
	NT-OS	36	5 N/A
WATER CODE	SEWER CODE		
N/A	N/A		

**RESPONSIBLE PERSONNEL CERTIFICATION**  
 I HERBY 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: *John W. Clapdoodle* DATE: 02/19/94  
 SIGNATURE OF DEVELOPER (PRINT NAME BELOW) JOHN W. CLAPDOODLE DATE: 02/19/94

**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: *John W. Clapdoodle* DATE: 02/19/94  
 SIGNATURE OF ENGINEER (PRINT NAME BELOW) JOHN W. CLAPDOODLE, P.E. NO. 10956 DATE: 02/19/94

**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: *John W. Clapdoodle* DATE: 02/19/94  
 SIGNATURE OF DEVELOPER (PRINT NAME BELOW) JOHN W. CLAPDOODLE DATE: 02/19/94

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

APPROVED: *John P. Robinson* DATE: 2/19/94  
 REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

APPROVED: *Patricia E. Eggen* DATE: 2/19/94  
 U.S. SOIL CONSERVATION SERVICE

no.	description	date

**The RBA Group**  
 ENGINEERS-ARCHITECTS-PLANNERS  
 5560 STERRETT PLACE, SUITE 300  
 COLUMBIA, MARYLAND 21044  
 301-730-7950 BALTIMORE  
 301-621-6050 WASHINGTON  
 301-964-0916 FAX

<b>PATHWAY LAYOUT SHEET</b>		SCALE: 1"=50'
VILL AGE OF HICKORY RIDGE SEBRING/MARTIN ROAD PATHWAY CONNECTION		DRAWN: RC
HOWARD COUNTY MARYLAND		CHECKED: [ ]
PROJECT NO. J0893	DATE: 2/20/93	
2 SHEET	3 OF	

**SEDIMENT AND EROSION CONTROL NOTES**

- ALL DISTURBED AREAS SHALL BE STABILIZED WITH PERMANENT SEED AND MULCH IN ACCORDANCE WITH PLANS APPROVED BY HSCD. APPROVAL OF FINAL STABILIZATION OF ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES BEFORE REMOVAL OF CONTROLS.
- 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. (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 THE 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.
- THE DEVELOPER SHALL IMPLEMENT AND ADEQUATELY MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES INCLUDING LIMITING THE AREA OF DISTURBANCE TO EXISTING VEGETATION AND STEEP SLOPES FOR AREAS ADJACENT TO WETLANDS.
- 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 PER PERMANENT SEEDING (SEC. 53), SOIL (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 PERMISSON 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 DEPT. 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 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 AND WILL BE MADE TO INSURE THE CONTROL OF ANY SEDIMENT CHANGES IN THE 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 DUST 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 IDLE FOR PERIODS EXCEEDING 14 DAYS SHALL BE STABILIZED ACCORDING TO TEMPORARY STABILIZATION SPECIFICATIONS.
- AT THE END OF EACH WORK DAY ALL SEDIMENT CONTROL PRACTICE WILL BE INSPECTED AND LEFT IN THE OPERATIONAL CONDITION.
- ALL SEDIMENT AND EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE AGREEMENT MADE BETWEEN COLUMBIA ASSOCIATION AND HSCD AND AS AMENDED 8/1/90.
- 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 RIGHT S-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 AND SHALL APPLY AS IF SHOWN ON ALL PLANS.
- 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.

**SEQUENCE OF CONSTRUCTION**

- OBTAIN GRADING PERMIT FROM HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS. 1 DAY
- NOTIFY MD DEPARTMENT OF ENVIRONMENT TEN (10) DAYS PRIOR TO COMMENCING WORK.
- NOTIFY INSPECTIONS, LICENSES AND PERMITS AT LEAST 48 HOURS BEFORE ANY WORK BEGINS.
- CLEAN AND GRUB FOR SEDIMENT AND EROSION CONTROL MEASURES ONLY. 2 DAYS
- INSTALL STABILIZED CONSTRUCTION ENTRANCES. 1 DAY
- INSTALL TREE PROTECTION FENCE. 1 DAY
- INSTALL SEDIMENT AND EROSION CONTROL MEASURES ASSOCIATED WITH BRIDGE AND BOARDWALK CROSSING AREAS. OBTAIN BUILDING PERMIT FOR CONSTRUCTION OF BRIDGES, INSTALL BRIDGES AND BOARDWALKS TO AVOID DISTURBANCE TO EXISTING STREAM CHANNELS. 5 DAYS
- INSTALL SILT FENCE ALONG THE PATH SECTION TO BE CONSTRUCTED PLACE ON THE DOWNHILL SIDE OF THE PROPOSED PATH IN ACCORDANCE WITH THE HOWARD COUNTY SOIL CONSERVATION DISTRICT 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. 2 DAYS
- 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 THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS AND THE SEDIMENT CONTROL INSPECTOR, CLEAN 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 SOON GRADED AREAS PER SPECIFICATIONS LISTED. 10 DAYS
- STABILIZE ALL DISTURBED AREAS IMMEDIATELY FOLLOWING INITIAL SOIL DISTURBANCE AND WITHIN 14 DAYS. 10 DAYS
- INSTALL BASE COURSE AND RETURNEDS 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 SEDIMENT CONTROL DEVICES AND STABILIZE THESE AREAS. 1 DAY

**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, DICING 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 DISK INTO UPPER THREE INCHES OF SOIL AT THE TIME OF SEEDING. APPLY 400 LB. PER ACRE 30-0-0 UREA/FORM FERTILIZER (9 LBS/1000 SQ. FT.)
- ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISK 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 60 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (0.5 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 WELLS ANCHORED STRAW/ MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE 500. OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELLS ANCHORED STRAW.

MULCHING - APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRAN 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.

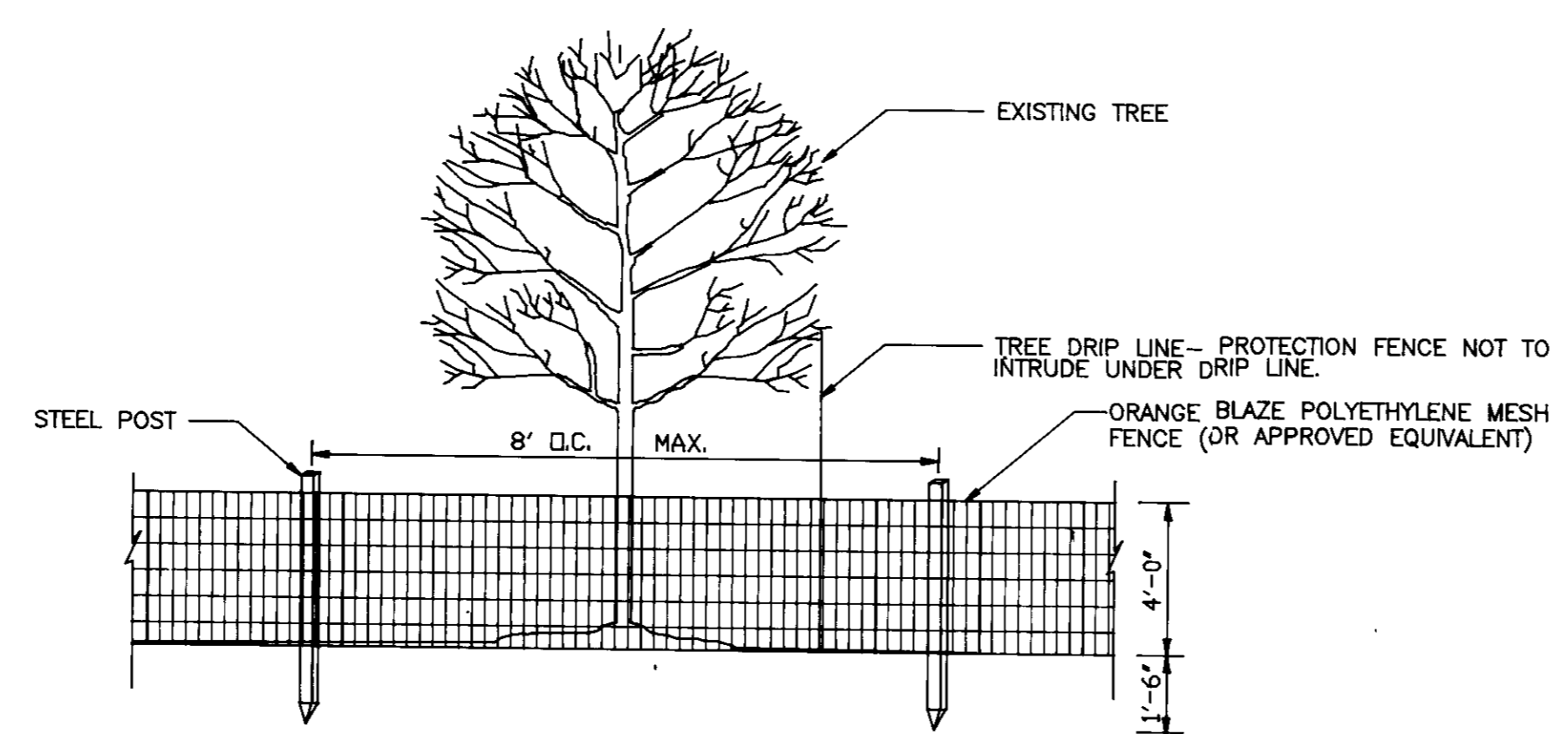
SEEDBED PREPARATION LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DICING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

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 (0.7 LBS/1000 SQ. FT.) FOR THE PERIOD OF NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING OR USE SOIL.

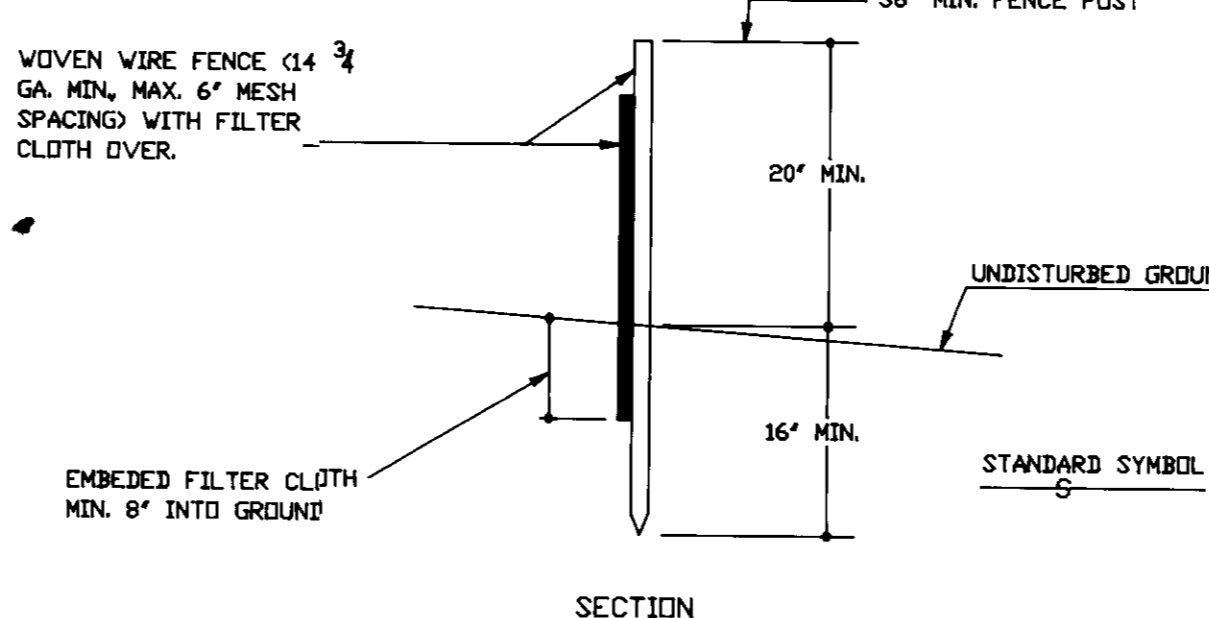
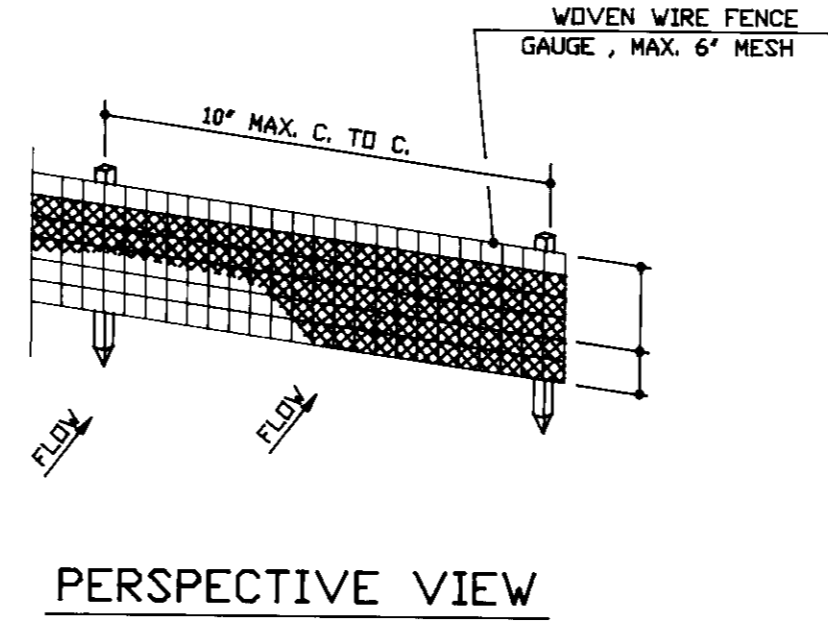
MULCHING - APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRAN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL./1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, 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.



**1 TREE PROTECTION FENCE**  
N.T.S.

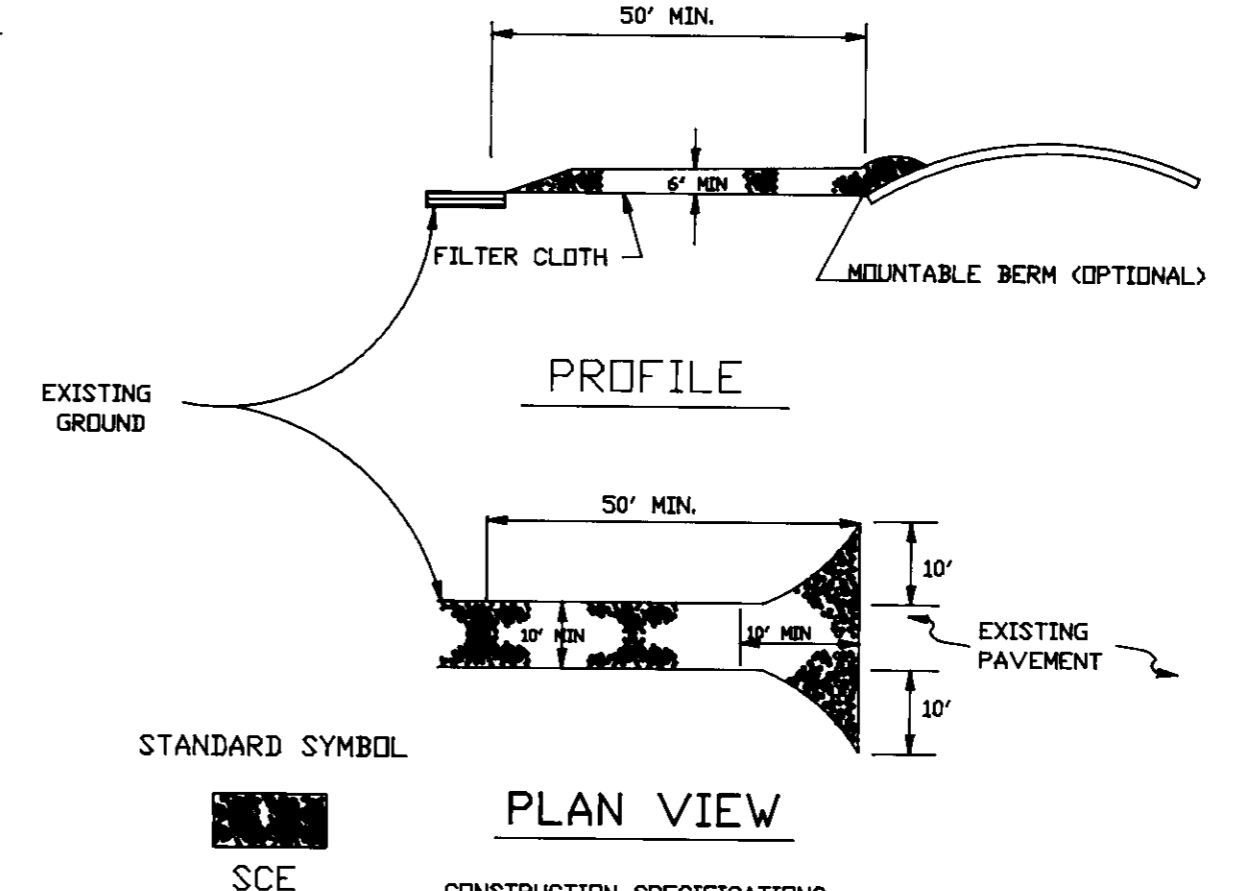
**2 TREE PROTECTION PROCEDURES**  
N.T.S.



**CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**

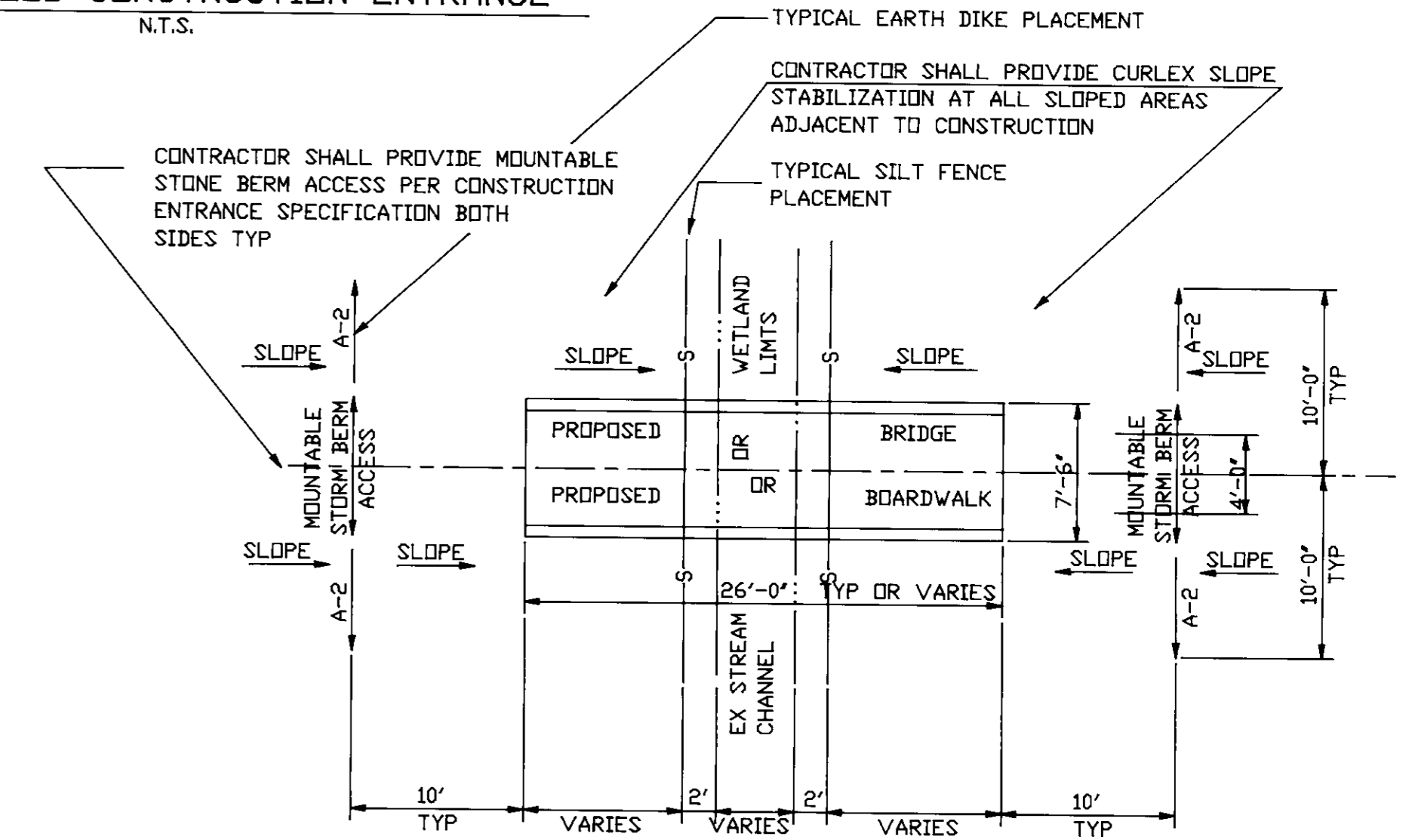
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
-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

**3 SILT FENCE**  
N.T.S.

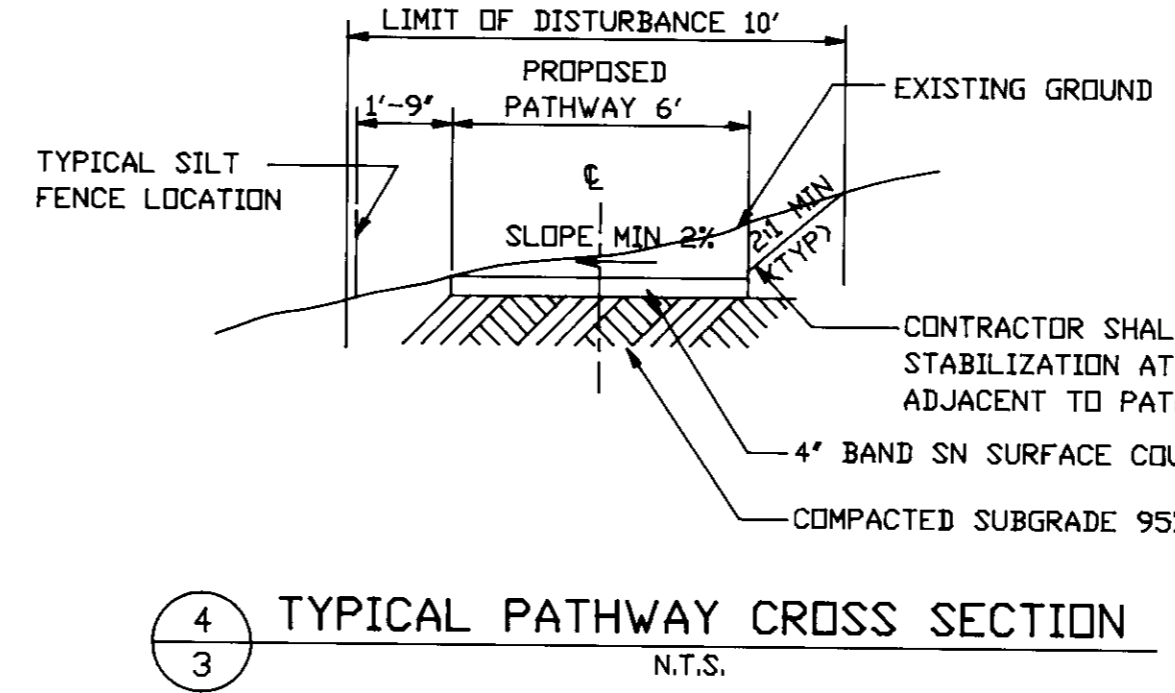


- STANDARD SYMBOL**
- CONSTRUCTION SPECIFICATIONS**
- STONE SIZE - USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
  - LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET EXCEPT ON A RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY.
  - THICKNESS - NOT LESS THAN SIX (6) INCHES.
  - WIDTH - TEN (10) FOOT MINIMUM BUT NOT LESS THAN 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 3:1 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 DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEM AND 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 IN AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
  - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RUN.

**3 STABILIZED CONSTRUCTION ENTRANCE**  
N.T.S.



**5 BRIDGE AND BOARDWALK INSTALLATION PLAN**  
N.T.S.



APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
REVIEWED NO FACILITIES REQUIRED

DIRECTOR: *James P. Sullivan* DATE: *6/20/94*

CHIEF, BUREAU OF ENGINEERING: *Michael Anderson* DATE: *6/17/94*

APPROVED HOWARD DEPARTMENT OF PLANNING AND ZONING

DIRECTOR: *James R. Smith* DATE: *9/22/94*

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH: *Jim Wilmamann* DATE: *9/20/94*

**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: *D. Euse* DATE: *6/6/94*

ORIENT NAME BELLO: *D. Euse*

**CERTIFICATION BY THE ENGINEER**

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND VARIABLE 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: *John W. Clapsaddle* DATE: *6/3/94*

ORIENT NAME BELLO: *JOHN W. CLAPSADDLE, P.E. No 10450*

**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: *Dennis A Euse* DATE: *6/6/94*

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

APPROVED: *John P. Holton* DATE: *6/8/94*

HOWARD S.C.D.

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

APPROVED: *Patricia Engle* DATE: *6/8/94*

U.S. SOIL CONSERVATION SERVICE

no.	description	date

**The RBA Group**  
ENGINEERS-ARCHITECTS-PLANNERS  
5560 STERRETT PLACE, SUITE 300  
COLUMBIA, MARYLAND 21044  
301-730-7950 BALTIMORE  
301-621-6050 WASHINGTON  
301-964-0916 FAX

**DETAIL SHEET**

VILLAGE OF HICKORY RIDGE  
SEBRING/MARTIN ROAD  
PATHWAY CONNECTION

SCALE: AS SHOWN

DRAWN: RC CHECKED: RC

PRJ. NO. J0893 DATE: 9/20/93

3 SHEET OF 3

HOWARD COUNTY MARYLAND

SHEET 3 OF 3