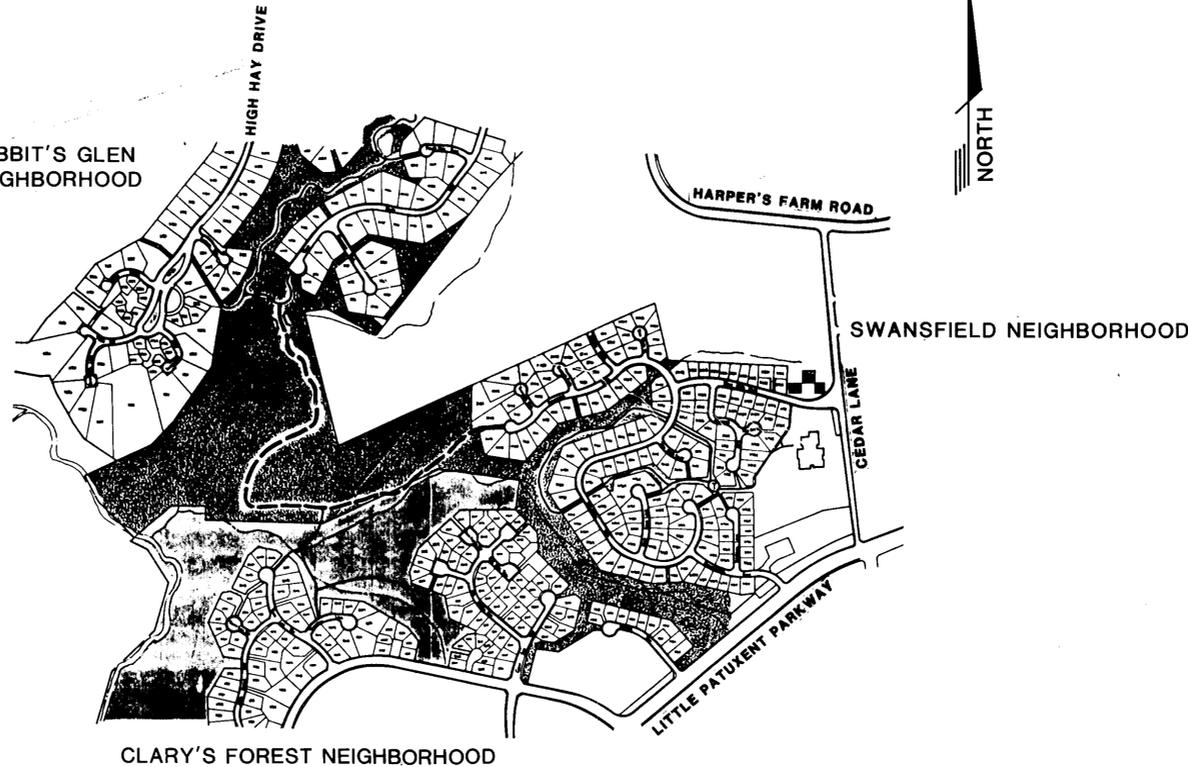


GENERAL NOTES

- 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 RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CORRECT AND PROPER COMPLETION OF GRADING.
- ALL TREES 12" IN DIAMETER OR GREATER SHALL REMAIN PROTECTED AND UNDAMAGED 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.
"MILL UTILITY" 1-(800) 257-1777
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 APPURTENANCES 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 992-2417 OR 992-2418.
- 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 EASEMENTS, 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 PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- THE DEVELOPER MUST REQUEST THAT THE HOWARD COUNTY SEDIMENT CONTROL DIVISION 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 BEEN GRANTED A WAIVER TO HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, SECTION 16.116c6, IN THE EVENT THAT WORK WILL BE DONE WITHIN A 25' WETLAND BUFFER OR 75' STREAM BUFFER AREA. (WP-92-24 granted 9/15/91)
- "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: S-81-05, VP-81-55, FDP-182, F-82-10 lot 1, VP-82-25; SDP-86-139c lot 43, SDP-86-188c, SDP-86-192c, SDP-86-191c, FDP-181 Part 3, F-85-68, SDP-85-227c, SDP-85-236c, SDP-86-24c, SDP-86-31c, SDP-86-45c, SDP-86-60, SDP-86-69c, SDP-86-71c, SDP-86-83c, SDP-86-91c, SDP-86-93c, SDP-86-129c, FDP-182.
- ALL SEDIMENT AND EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE AGREEMENT MADE BETWEEN COLUMBIA ASSOCIATION AND HSC DATED 3/2/87, REVISED MAY 1991.
- THE DEVELOPER SHALL UTILIZE THE "FEE-IN-LIEU OF" OPTION FOR STORMWATER MANAGEMENT.
- AN EXEMPTION LETTER HAS BEEN ISSUED BY THE MARYLAND DEPARTMENT OF NATURAL RESOURCES (WRA-NON TIDAL WETLANDS). THIS LETTER COVERS ALL 401/404 PERMIT REQUIREMENTS. A LETTER HAS ALSO BEEN ISSUED BY DNR-WRA ACKNOWLEDGING THAT A WATERWAY CONSTRUCTION PERMIT IS NOT REQUIRED FOR THIS PROJECT.

A PORTION OF THE VILLAGES OF HARPER'S CHOICE AND HICKORY RIDGE OPEN SPACE MASTER PLAN

COLUMBIA PARK AND RECREATION ASSOCIATION



PLAN
SCALE: 1" = 600'

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

James Z. Khan 4/29/92
DIRECTOR DATE

APPROVED FOR PLANNING AND ZONING.
HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James Z. Khan 5/11/92
DIRECTOR DATE

Anna J. Holman 5/11/92
DIRECTOR DATE

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

James Z. Khan 5-6-92
DIRECTOR DATE

APPROVED
of [Signature]
DATE: 11-12-91
ds

OWNER/DEVELOPER	
COLUMBIA PARK & RECREATION ASSOCIATION 9861 BROKEN LAND PARKWAY SUITE 300 COLUMBIA, MD. 21046 PHONE: (301) 381-0020	
ADDRESS CHART	
BUILDING	STREET ADDRESS
	11181 Wood Elves Way
CORRELATION	
CONTRIBUTION VHC: VHR Pathway Connector	LOT/PARCEL 1, 156, 73/7d, 399
PLAT 5025	BLOCK/ZONE MAP/ELEC. DIS 29435 5th
WATER CODE NA	SEWER CODE NA
	CENSUS 6053

SHEET INDEX

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

<p>PERSONNEL CERTIFICATION</p> <p>I HEREBY CERTIFY THAT ANY RESPONSIBLE PERSONNEL WHOSE NAMES ARE LISTED IN THE CONSTRUCTION PROJECT WILL HAVE ATTENDED THE APPROVED TRAINING PROGRAM AND THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.</p> <p><i>Denis Ellis</i> 3/4/92 SIGNATURE OF DEVELOPER DATE</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><i>Vijay Balusu</i> 02-09-92 SIGNATURE OF ENGINEER DATE</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 OF THEIR AUTHORIZATION AGENTS, AS DEEMED NECESSARY.</p> <p><i>Denis Ellis</i> 3/4/92 SIGNATURE OF DEVELOPER DATE</p>	<p>THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p>APPROVED: <i>John Blanton</i> 3/11/92 HOWARD S.C.D.</p> <p>REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.</p> <p>APPROVED: <i>John Blanton</i> 3/11/92 HOWARD S.C.D.</p>	<p>REVISIONS</p> <table border="1"> <thead> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DESCRIPTION	DATE				<p>PREPARED BY:</p> <p>KCI TECHNOLOGIES, INC. ENGINEERS - PLANNERS - SURVEYORS 13992 BALTIMORE AVENUE / SUITE 300 LAUREL, MD. 20707 PHONE: (301) 792-8086</p> <p>SDP-92-118</p>	<p>COVER SHEET</p> <p>A PORTION OF THE VILLAGES OF HARPER'S CHOICE AND HICKORY RIDGE OPEN SPACE MASTER PLAN</p> <p>SCALE: AS SHOWN</p> <p>DRAWN: <i>BLJ</i> CHECKED: <i>BDH</i></p> <p>PROJ. NO: 1087108-E DATE: JULY 91</p> <p>SHEET 1 OF 4</p>
NO.	DESCRIPTION	DATE										

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. (800-3450)
- 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) FORTY (40) 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 AND WILL 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.
- 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 CHANGE.
- 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 WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
- AT THIS TIME, WE BELIEVE THAT SECTIONS 406 OR 405 OF THE CLEAN WATER ACT DO NOT APPLY TO THIS 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/FORM 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. 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 UNWETTED 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.)

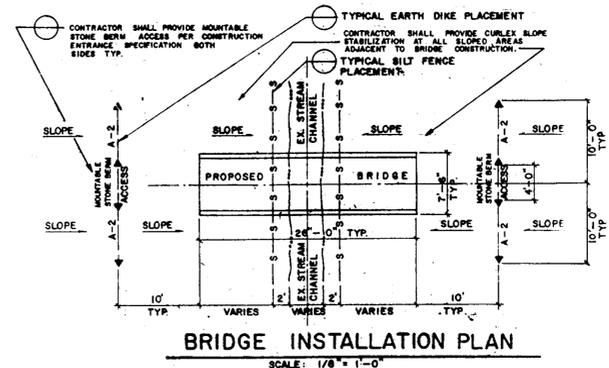
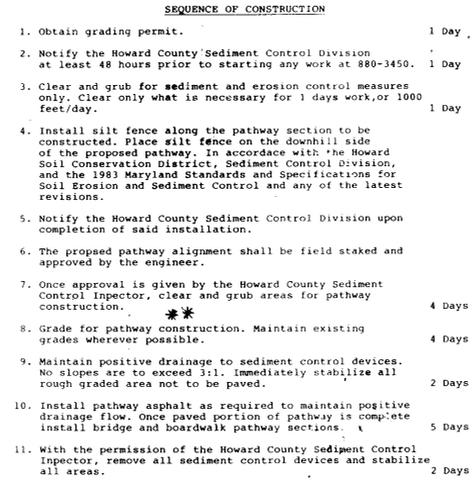
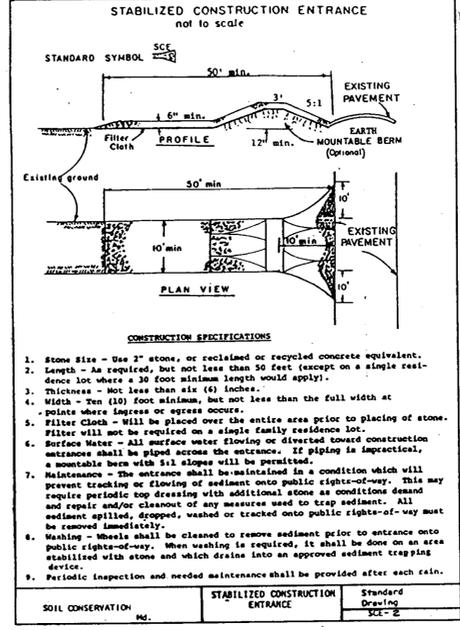
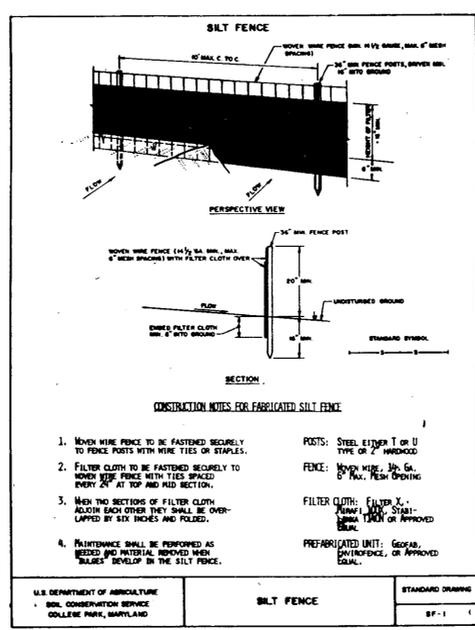
SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 15 THRU NOVEMBER 15, SEED WITH 2 1/2 TONS PER ACRE OF ANNUAL RYE (3.2 LBS./100 SQ. FT.) FOR THE PERIOD OF MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (.07 LBS./1000 SQ. FT.) FOR THE PERIOD OF NOVEMBER 16 THRU FEBRUARY 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 UNWETTED 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: 3,995 L.F. TOTAL
- PROPOSED BRIDGE CROSSING: 1 TOTAL
- FUTURE TOY LOT: 0 TOTAL
- FUTURE PLAY MEADOW: 0 TOTAL
- FUTURE SITTING AREA AT OVERLOOK: 0 TOTAL
- TOTAL DISTURBED AREA PATHWAY CONSTRUCTION: 38,940 FT²
- TOTAL AREA TO BE PAVED: 23,000 FT² (6.0 PATH x 3.85 SOL.F)
- TOTAL AREA TO BE VEGETATIVELY STABILIZED: 15,970 FT²



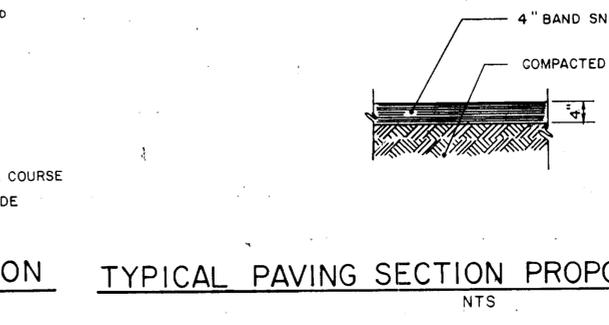
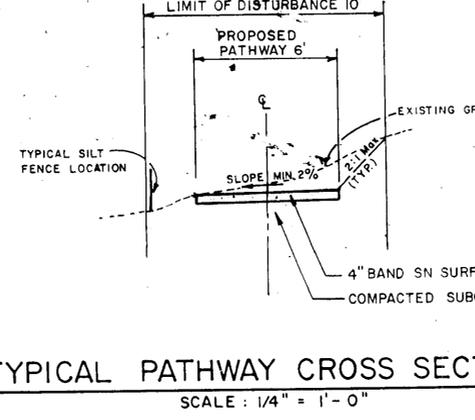
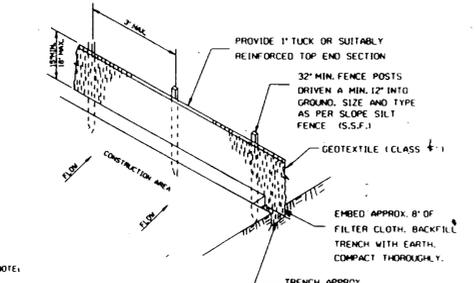
SEDIMENT CONTROL

() PROVIDE THE FOLLOWING CERTIFICATION BLOCKS ON SEDIMENT CONTROL PLANS:

() BY THE DEVELOPER:

"I/WE CERTIFY THAT ALL DEVELOPMENT AND OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY 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 THE BEGINNING OF THE PROJECT. I ALSO AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

Signature of Developer: Denis Ellis
Date: 3/19/92



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: [Signatures]

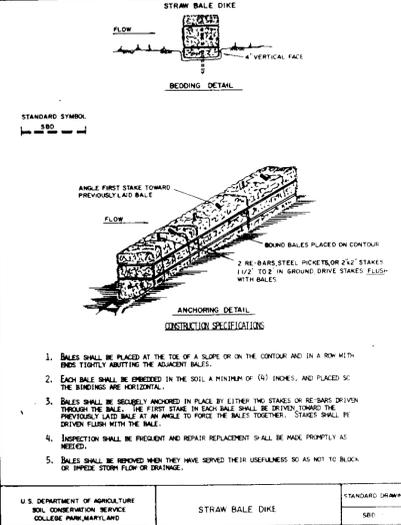
DATE: 5-6-92

APPROVED: [Signature]

DATE: 5-6-92

APPROVED: [Signature]

DATE: 11-12-91



GENERAL NOTES:

- ALL TREES 12" IN DIAMETER OR LARGER SHOULD REMAIN PROTECTED AND UNDISTURBED.
- THE DEVELOPER SHALL REQUEST A WAIVER TO HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, SECTION 16.116c6, 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 MAP

BUILDING STREET ADDRESS

1181 Wood Elm Way

OWNER'S VHC
Pathway Connector
BLOCK ZONE TAX ZONE MAP ELEV. 12
5025 024405 29435 5 605

WATER CODE N/A **SEWER CODE** N/A

CONSTRUCTION PERSONNEL CERTIFICATION

I/WE CERTIFY THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE THE BEGINNING OF THE PROJECT.

Signature of Developer: Denis Ellis
Date: 3/19/92

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: [Signature]
Date: 3/19/92

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 SOIL CONSERVATION DISTRICT OF THEIR AUTHORIZATION AGENTS, AS DEEMED NECESSARY."

Signature of Developer: Denis Ellis
Date: 3/19/92

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

APPROVED: [Signature] DATE: 3/19/92

REVIEWED FOR [Signature] AND METS TECHNICAL REQUIREMENTS.

APPROVED: [Signature] DATE: 3/19/92

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

A PORTION OF THE VILLAGES OF HARPER'S CHOICE AND HICKORY RIDGE

OPEN SPACE MASTER PLAN

SDP-92-114

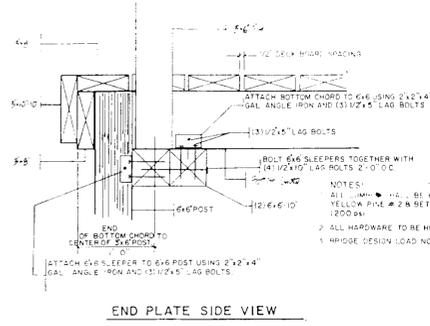
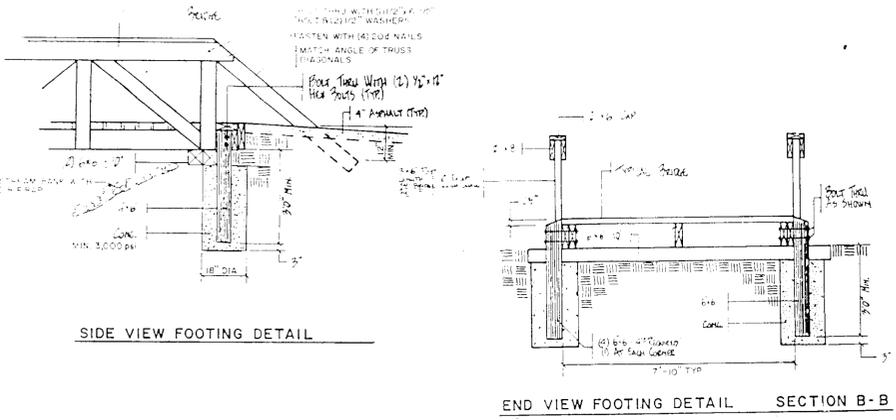
SCALE: AS SHOWN

DRAWN: DWJ CHECKED: BDH

DATE: 10/27/88

SHEET: 3 OF 4

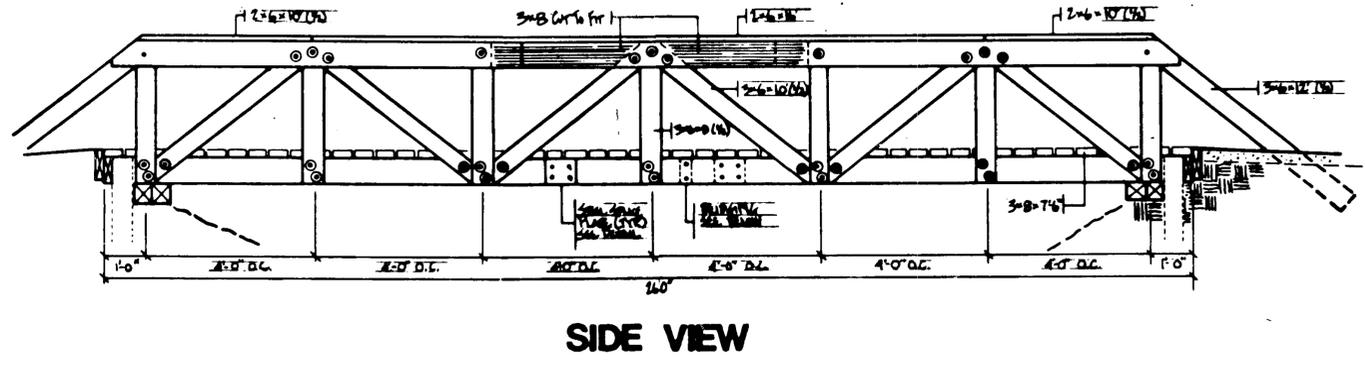
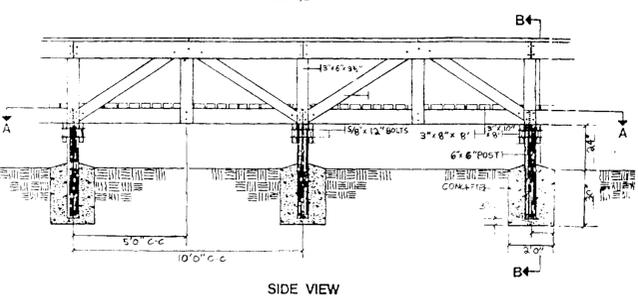
SDP-92-18



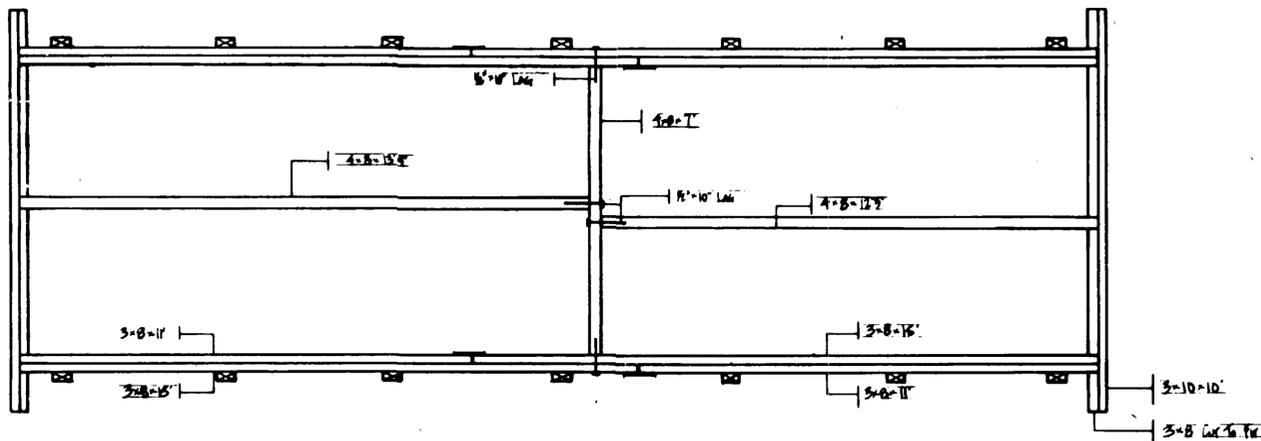
James J. Low *4/2/92*
James R. Smith *5/11/92*
Anna! Harman *5/11/92*
Joseph Fogler *5-6-92*

TYPICAL 26 FOOT BRIDGE DETAILS

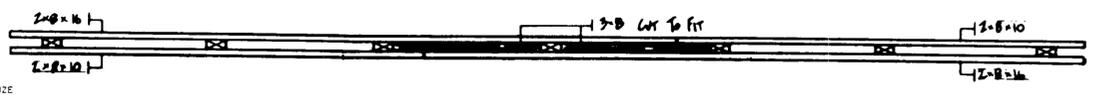
TYPICAL BOARDWALK
SCALE: 1/2"=10'



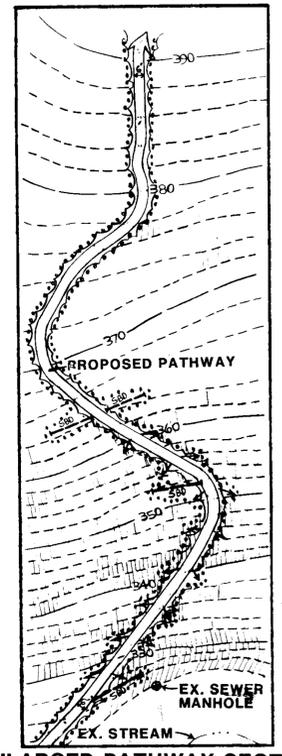
SIDE VIEW



DECK FRAMING PLAN



TOP CHORD



ENLARGED PATHWAY SECTION SEDIMENT CONTROL PLAN
SCALE: 1"=50'

- LIMITS OF DISTURBANCE DENOTES AREAS OF 20% OR GREATER SLOPES
- PATHWAY CLEARING LIMITS (PROPOSED EDGE OF WOODS)
- STRAW BALE DIKE TO SERVE AS CHECK DAM
- ARROWS REPRESENT EARTHEN "KICK DAMS"

- NOTES:**
- LIMITS OF DISTURBANCE TO BE LIMITED TO A 10 FOOT WIDE STRIP, 5 FEET EITHER SIDE OF THE PATHWAY CENTERLINE.
 - A DOUBLE ROW OF SILT FENCE IS TO BE USED IN THE AREA ADJACENT TO THE EXISTING STREAM.
 - EARTHEN "KICK DAMS" TO BE LOCATED 25 FEET APART ALONG THE ENTIRE LENGTH OF PROPOSED PATHWAY WITHIN AREA OF STEEP SLOPES.

OWNER/DEVELOPER
 VILLAGES OF HARPER'S CHOICE AND HICKORY
 1992 BALTIMORE AVENUE
 LAUREL, MD 21047
 PHONE (301) 792-8086

NOTE: THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS REVIEWS BRIDGE DRAWINGS FOR LINE, GRADE AND FLOODPLAIN IMPACT ONLY. THE DEPARTMENT OF LICENSES AND PERMITS PERFORMS RELATED STRUCTURAL REVIEW.

<p>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.</p> <p><i>[Signature]</i> DATE: 3/14/92</p>	<p>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 PREVIOUS IN-SITE INSPECTION BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS AND THE DEPARTMENT OF LICENSES AND PERMITS TO VERIFY THE ACCURACY OF THE INFORMATION PROVIDED HEREIN.</p> <p><i>[Signature]</i> DATE: 3/14/92</p>	<p>THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.</p> <p>APPROVED: <i>[Signature]</i> DATE: 3/14/92</p>	<p>REVIEWED BY: <i>[Signature]</i> DATE: 3/14/92</p> <p>APPROVED: <i>[Signature]</i> DATE: 3/14/92</p>	<p>PREPARED BY: KCI TECHNOLOGIES, INC. ENGINEERS, PLANNERS, SURVEYORS 1992 BALTIMORE AVENUE LAUREL, MD 21047 PHONE (301) 792-8086</p>	<p>BRIDGE DETAIL SHEET</p> <p>A PORTION OF THE VILLAGES OF HARPER'S CHOICE AND HICKORY RIDGE OPEN SPACE MASTER PLAN</p> <p>SDP-92-18</p>
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