

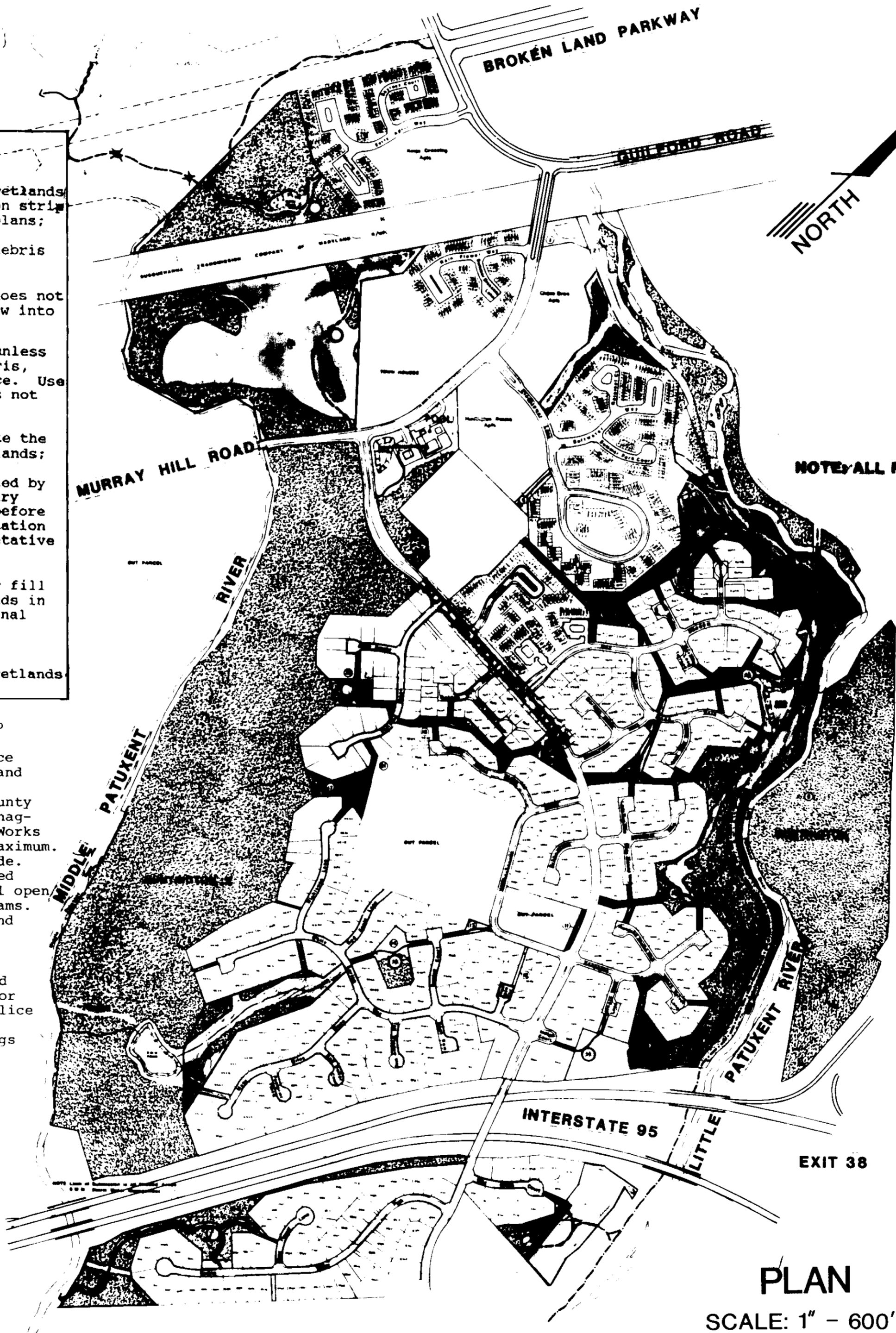
GENERAL NOTES

- 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 DILP, SEDIMENT CONTROL DIVISION 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) 257-7777
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 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 303-2417 OR 303-2418.
- 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 FPD ELEVATIONS SHOWN AND 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 been granted waiver WP-92-37 from section 16.116(c) (6) to allow grading within both the 75' stream buffer and the 25' wetland buffer. The waiver was granted on October 8, 1991.
- "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:
F-78-17, F-78-203, F-79-44c, F-79-166, F-79-178, S-77-32, SDP-79-78, SDP-79-103, SDP-79-109, SDP-79-115, SDP-79-117, SDP-79-130, SDP-79-131, SDP-79-133, SDP-79-135, SDP-79-136, SDP-79-139, SDP-79-143, SDP-79-147, SDP-79-153, SDP-79-154, SDP-79-173, SDP-79-169, SDP-80-11, SDP-80-20, SDP-80-25, SDP-80-28c, SDP-80-29c, F-80-30c, P-80-19, F-79-178, S-80-07, SDP-80-16, F-80-43, SDP-80-61, SDP-80-66, SDP-80-69, SDP-80-111, SDP-80-125, SDP-80-141, P-80-19, SDP-80-142, SDP-80-159, F-81-12, F-81-13, F-81-15, SDP-80-162, SDP-81-53c, S-81-11, VP-81-27, SDP-81-35, F-81-11, SDP-82-08c, S-81-13, SDP-81-76, F-81-88, SDP-81-111c, SDP-81-93, SDP-81-112c, F-81-76, VP-81-93, F-81-113, SDP-81-154c, SDP-81-169c, F-81-138, ASDP-79-117, PB-138, F-81-146, CP-81-03c, CP-82-01c, VP-82-08, S-82-04c, SDP-82-25c, F-82-53, SDP-82-63c, F-82-59, SDP-82-68c, F-82-12, SDP-82-91c, SDP-82-98c, F-82-134, SDP-82-144, SDP-83-27c, SDP-83-156c, F-84-15, F-84-123, SDP-84-217c, SDP-84-298c, VP-85-19, SDP-81-35, P-86-29, F-86-100, SDP-86-212c, F-86-158, FDP 169-Part 1, FDP 169-A-4-Part 1, SDP-88-108, SDP-88-139, F-87-139, FDP 186-A.

A PORTION OF THE VILLAGE OF KING'S CONTRIVANCE HUNTINGTON NEIGHBORHOOD OPEN SPACE MASTER PLAN COLUMBIA PARK AND RECREATION ASSOCIATION

- CONDITIONS AND MANAGEMENT PRACTICES FOR WORKING IN NONTIDAL WETLANDS
- The limits of disturbance for work in nontidal wetlands and their buffers is a ten foot wide construction strip located at each proposed crossing shown on the plans;
 - Remove excess fill or construction material or debris to an upland disposal area;
 - Place materials in a location and manner which does not adversely impact surface or subsurface water flow into or out of the nontidal wetland;
 - Use previously excavated material as backfill, unless it contains waste metal products, unsightly debris, toxic material or any other deleterious substance. Use clean borrow material when excavated material is not suitable for use as backfill;
 - Place heavy equipment on mats or suitably operate the equipment to prevent damage to the nontidal wetlands;
 - Rectify any nontidal wetlands temporarily impacted by the proposed construction activity. All temporary fills shall be removed in their entirety on or before the completion of construction, and annual vegetation such as rye or millet must be used when any vegetative stabilization is performed.
 - Repair and maintain any serviceable structure or fill so there is no permanent loss of nontidal wetlands in excess of nontidal wetlands lost under the original structure or fill;
 - After installation has been completed, make post construction grades and elevations of nontidal wetlands the same as the original grades and elevations.

- The Columbia Association pathways are an allowable use of The Huntington Neighborhood Open Space areas, according to all applicable FDP criteria for the area.
- All sediment and erosion control shall be in accordance with the agreement made between Columbia Association and HSCD, dated 3/2/87 and revised May 1991.
- The Developer has been granted a waiver from Howard County Design Manual Volume 1, section 10.1.1 (stormwater management). Waiver was granted by the Director of Public Works based on the following: a) paved pathway to be 6.0' maximum. b) Cross slopes on pathway to conform to existing grade. c) All areas disturbed not to be paved will be restored to predevelopment conditions. d) A substantial natural open space strip will be maintained between paths and streams.
- Wetland areas shown on this plan were field located and delineated by Environs, Inc of Timonium, Maryland in January 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" = 600'

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

James J. Law 9/1/92
DIRECTOR DATE

William R. Law 8-13-92
CHIEF, BUREAU OF ENGINEERING, M.K. DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James Butler 10/14/92
DIRECTOR DATE

Annmarie Holmatt 10/9/92
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT JA DATE

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

James W. Zylus 9-28-92
COUNTY HEALTH DEPARTMENT DATE

DATE 5-12-92

BUFFER DISTURBANCE
WETLAND BUFFER: 5,100 S.F. (0.117 Ac)
STREAM BUFFER: 10,050 S.F. (0.231 Ac)

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.

SHEET INDEX

- COVER SHEET
3. & 4. OPEN SPACE PATHWAY LAYOUT
5. SEDIMENT CONTROL & CONSTRUCTION DETAIL SHEET

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

ADDRESS CHART	
BUILDING	STREET ADDRESS
	9565 Vollmerhausen Road
VILLAGE OF KING'S CONTRIVANCE 3/1, 3/2, 5/2 SEE THIS SHEET	
PLAT	BLOCK ZONE TAX ZONE MAP ELEC DIS CENSUS TR
05	42 & 47 6 6068 & 6069
WATER CODE	SEWER CODE
N/A	N/A

PARCEL/LOT DESIGNATIONS:
PARCELS: 13, 390, 437, 206, 442, 991
OPEN SP: 152, 153, 283, 299, 300, 281, 301,
LOTS 155, 202, 158, 68, 69, 11.

RESPONSIBLE PERSONNEL CERTIFICATION
"I HEREBY CERTIFY THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM A MANAGEMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."
Denise Ellis 7-23-92
SIGNATURE OF DEVELOPER DATE
DENISE 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."
Bolling W. Haxall, Jr. 7/23/92
SIGNATURE OF ENGINEER DATE
BOLLING W. HAXALL, 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 COUNTY CONSERVATION DISTRICT OF THEIR AUTHORIZATION AGENTS, AS DEEMED NECESSARY."
Denise Ellis 7-23-92
SIGNATURE OF DEVELOPER DATE
DENISE ELLIS

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.
APPROVED: *John R. Roberts* 7/27/92
REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
APPROVED: *John R. Roberts* 7/27/92
SOIL CONSERVATION SERVICE DATE

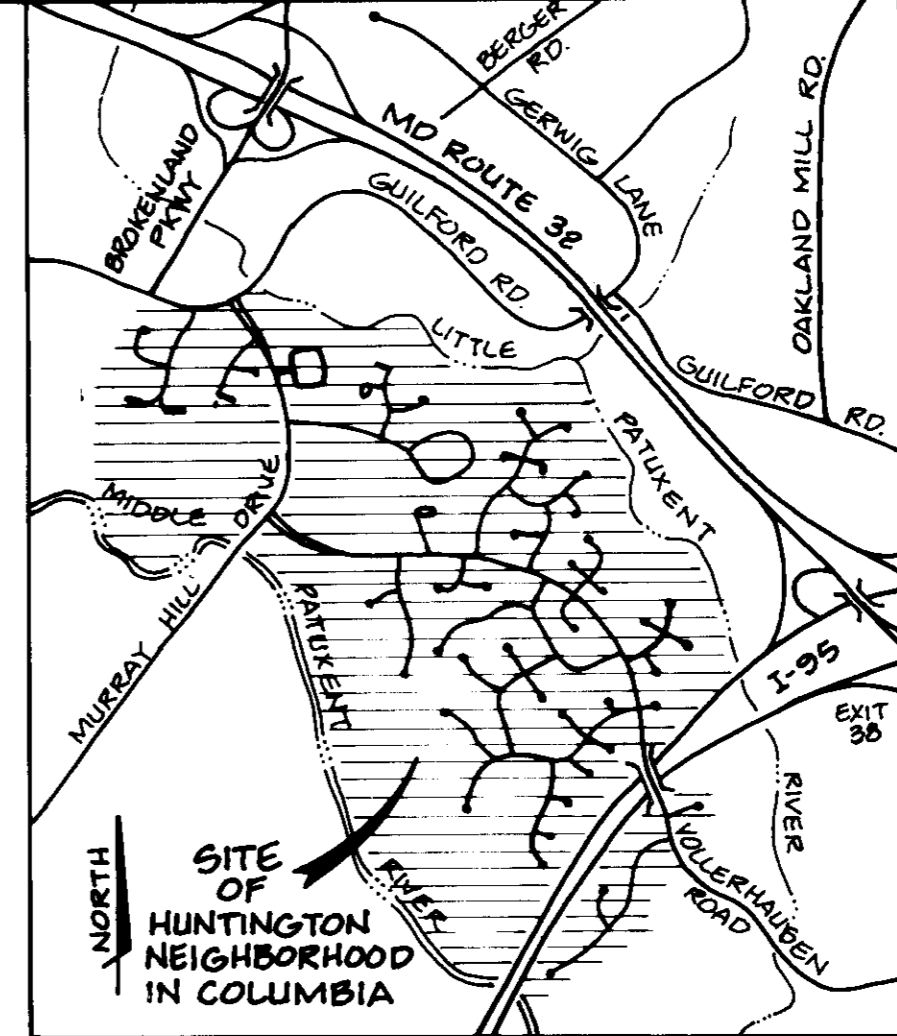
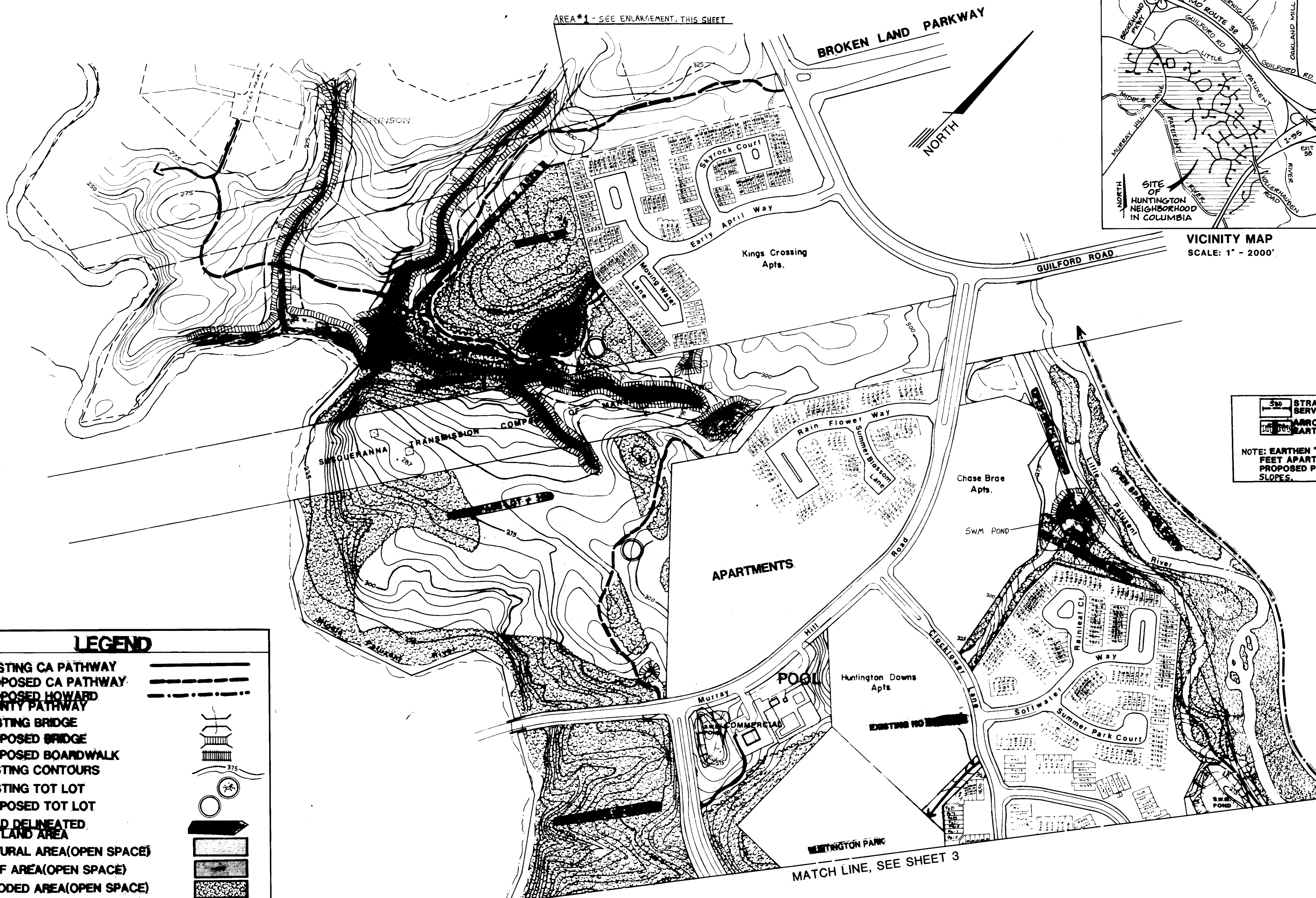
REVISIONS

NO.	DESCRIPTION	DATE

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

COVER SHEET
A PORTION OF THE VILLAGE OF KING'S CONTRIVANCE
HUNTINGTON NEIGHBORHOOD
OPEN SPACE MASTER PLAN
SHEET 1 OF 5

SCALE AS SHOWN
DRAWN BY BJ
PROJ. NO. 1687108F
CHECKED BY SDH
DATE JULY 91
SHEET 1 OF 5



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

James G. Shaw 9/1/92
DIRECTOR DATE

Michael B. Ryan 8-13-92
CHIEF, BUREAU OF ENGINEERING M.K. DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James B. Smith 10/14/92
DIRECTOR DATE

Anna Hornum 10/1/92
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT JPA DATE

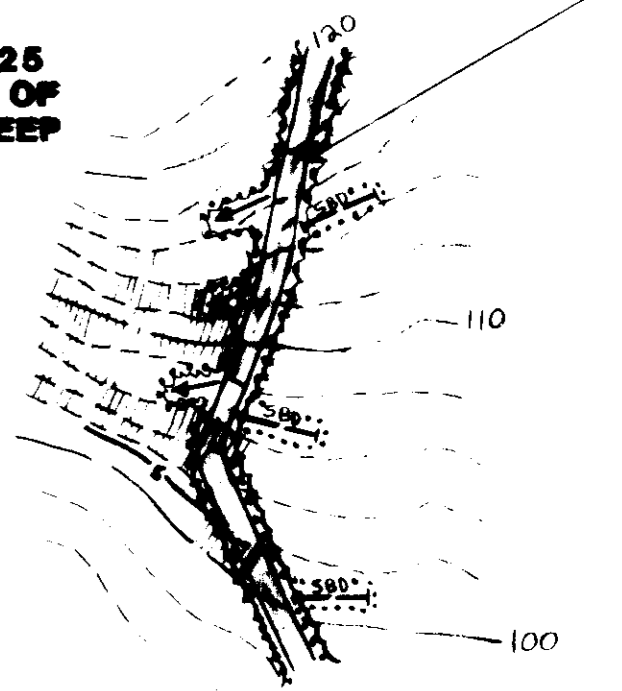
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.

James B. Ryan 9-28-92
COUNTY HEALTH DEPARTMENT DATE

APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE 5-12-92

500 STRAW BALE DIKE TO SERVE AS CHECK DAM
ARROWS REPRESENT EARTHEN "KICK DAMS"

NOTE: EARTHEN "KICK DAMS" TO BE LOCATED 25 FEET APART ALONG THE ENTIRE LENGTH OF PROPOSED PATHWAY WITHIN AREA OF STEEP SLOPES.



NOTE: HORIZONTAL AND VERTICAL CONTROL IS ASSUMED.

AREA # 1
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)

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

BUILDING	ADDRESS	CHART
	STREET	ADDRESS

VILLAGE OF	20 42	SEE SHEET
KINGS CONTRIVANCE	3/115/3 3/2	# 1
PLAT	BLOCK	ZONE
05	42	47
TAX/ZONE MAP	ELEC. DIS	CENSUS TR.
6	6068	6069
WATER CODE	SEWER CODE	
N/A	N/A	

LEGEND

- EXISTING CA PATHWAY
- PROPOSED CA PATHWAY
- PROPOSED HOWARD COUNTY PATHWAY
- EXISTING BRIDGE
- PROPOSED BRIDGE
- PROPOSED BOARDWALK
- EXISTING CONTOURS
- EXISTING TOT LOT
- PROPOSED TOT LOT
- FIELD DELINEATED WETLAND AREA
- NATURAL AREA (OPEN SPACE)
- TURF AREA (OPEN SPACE)
- WOODED AREA (OPEN SPACE)
- 25' WETLAND BUFFER
- 75' STREAM BUFFER

PLAN
SCALE: 1" = 200'

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."

DE 7-23-92
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."

W. Haxall, Jr. 7/23/92
SIGNATURE OF ENGINEER DATE
BOLLING W. HAXALL, 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."

DE 7-23-92
SIGNATURE OF DEVELOPER DATE
DENIS ELLIS

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

APPROVED: *J.P. Rhoton* 7/27/92
DATE

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

APPROVED: *James M. Deter* 7/27/92
DATE

APPROVED: *Bolling W. Haxall, Jr.* PE
MD. NO. 10242

REVISED

NO.	DESCRIPTION	DATE

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

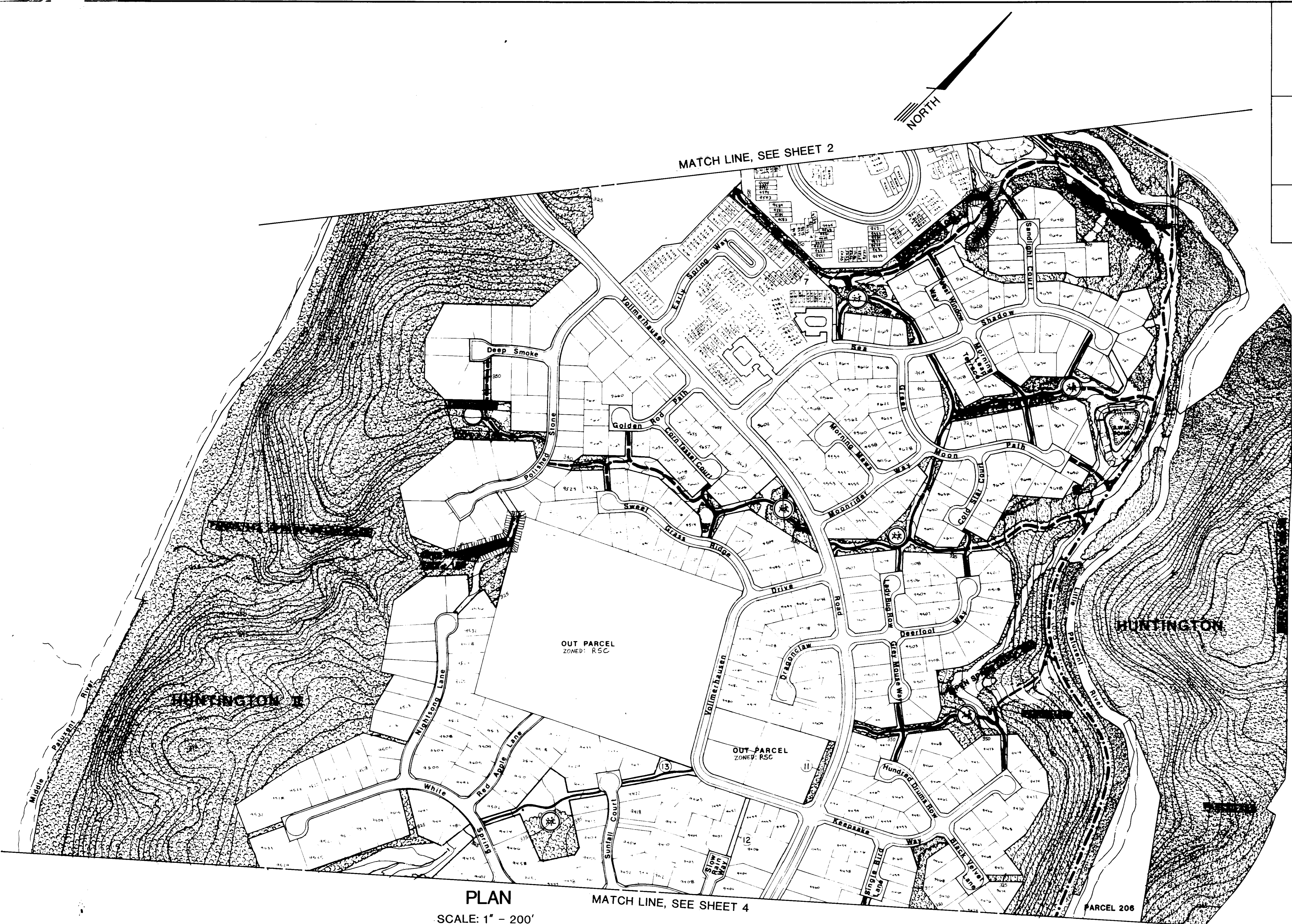
PLAN SHEET
A PORTION OF THE VILLAGE OF
KING'S CONTRIVANCE
HUNTINGTON NEIGHBORHOOD
OPEN SPACE MASTER PLAN

SCALE AS SHOWN

DRAWN: *BLJ*
CHECKED: *SDH*

PROJ. NO. 1687108F
DATE: JULY 91'

SHEET 2 OF 5



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

James P. Shen 8-1-92
DIRECTOR DATE

William Z. Riley 8-13-92
CHIEF, BUREAU OF ENGINEERING M.K. DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James P. Shen 10/14/92
DIRECTOR DATE

Emma Helmuth 10/19/92
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

John B. ... 9-28-92
COUNTY HEALTH DEPARTMENT DATE

APPROVED
PLANNING B.
of HOWARD CO.
DATE: 5-12-92

MD ROUTE 32

OWNER/DEVELOPER	
COLUMBIA PARK & RECREATION ASSOCIATION 9861 BROKEN LAND PARKWAY SUITE 300 COLUMBIA, MD. 21046 PHONE: (301) 381-0020	
ADDRESS CHART	
BUILDING	STREET ADDRESS
VILLAGE OF KINGS CONTRIVANCE	43 5/2 SEE SHEET 3/11/513 3/6 8 1
PLAT	606856069
WATER CODE	N/A
SEWER CODE	N/A

PLAN MATCH LINE, SEE SHEET 4
SCALE: 1" = 200'

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 GOVERNMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."

Denise Ellis 7-23-92
SIGNATURE OF DEVELOPER DATE
DENISE 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."

Bolling W. Haxall, Jr. 7/23/92
SIGNATURE OF ENGINEER DATE
BOLLING W. HAXALL, 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."

Denise Ellis 7-23-92
SIGNATURE OF DEVELOPER DATE
DENISE ELLIS

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

APPROVED: *John P. ...* 7/27/92
HOWARD S.C.D. DATE

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

APPROVED: *John ...* 7/27/92
S.O.S. SOIL CONSERVATION SERVICE DATE

REVISIONS

NO	DESCRIPTION	DATE

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

PLAN SHEET
A PORTION OF THE VILLAGE OF KINGS CONTRIVANCE
HUNTINGTON NEIGHBORHOOD
OPEN SPACE MASTER PLAN

SCALE: AS SHOWN

DRAWN	BLJ	CHECKED	SDH
PROJ. NO	1697108F	DATE	JULY 91
SHEET	3	OF	5

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

James G. Shaw 9.11.92
DIRECTOR DATE

William B. Riley 8.13.92
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

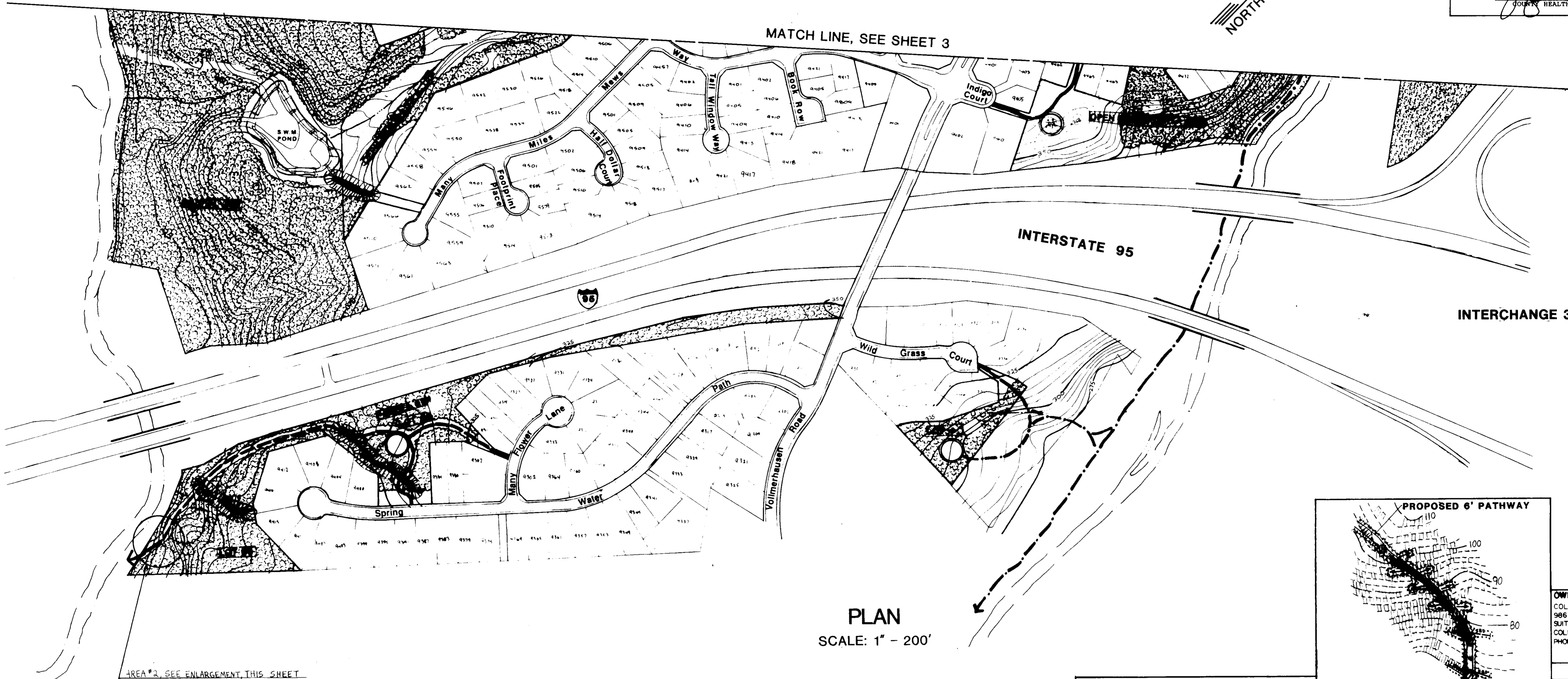
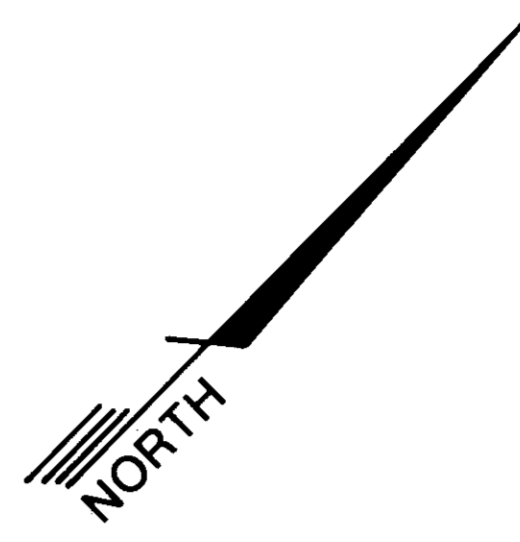
James R. Smith 10/14/92
DIRECTOR DATE

Anna Helmuth 10/9/92
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

John W. Bessler 9.28.92
CHIEF, HEALTH DEPARTMENT DATE

APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE 5-12-92

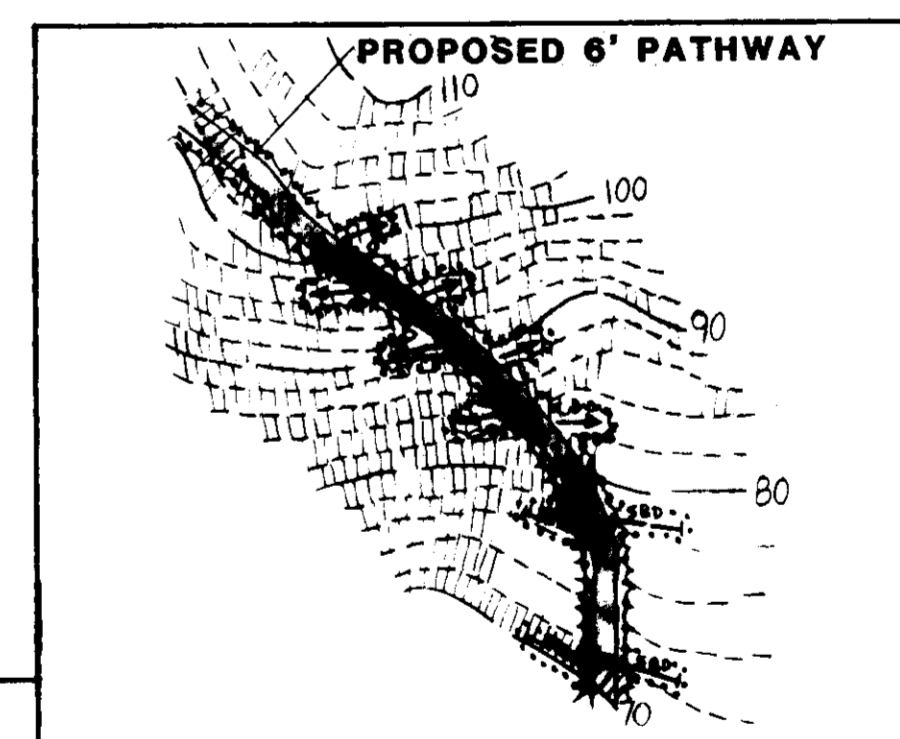


MATCH LINE, SEE SHEET 3

INTERSTATE 95

INTERCHANGE 38

PLAN
SCALE: 1" = 200'



NOTE: HORIZONTAL AND VERTICAL CONTROL IS ASSUMED.

- 550 STRAW BALE DIKE TO SERVE AS CHECK DAM
 - ARROWS REPRESENT EARTHEN "KICK DAMS"
1. LIMITS OF DISTURBANCE TO BE LIMITED TO A 10 FOOT WIDE STRIP, 5 FEET EITHER SIDE OF THE PATHWAY CENTERLINE.
 2. A DOUBLE ROW OF SILT FENCE IS TO BE USED IN THE AREA ADJACENT TO THE RIVER.
 3. EARTHEN "KICK DAMS" TO BE LOCATED 25 FEET APART ALONG THE ENTIRE LENGTH OF PROPOSED PATHWAY WITHIN AREA OF STEEP SLOPES.

AREA # 2
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)

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

ADDRESS CHART
BUILDING STREET ADDRESS

VILLAGE OF KING'S CONTRIVANCE
PLAT 311 5/3 0/2 * 1
BLOCK ZONE TAX/ZONE MAP/ELEC DIS CENSUS TR
05 42 447 6 6068 & 6069
WATER CODE N/A SEWER CODE 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 40 HOUR COURSE OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."
DELLIS 7.23.92
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."
BOLLING W. HAXALL, JR. 7/23/92
SIGNATURE OF ENGINEER DATE
BOLLING W. HAXALL, 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."
DELLIS 7.23.92
SIGNATURE OF DEVELOPER DATE
DENIS ELLIS

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED: *James R. Smith* 7/21/92
HOWARD S.C.D. DATE
REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
APPROVED: *James R. Smith* 7/21/92
SOIL CONSERVATION SERVICE DATE

REVISED DESCRIPTION DATE
NO. DESCRIPTION DATE
PREPARED BY:
KCI TECHNOLOGIES, INC.
ENGINEERS-PLANNERS-SURVEYORS
13992 BALTIMORE AVENUE / SUITE 300
LAUREL, MD. 20707
PHONE: (301) 792-8086

SCALE AS SHOWN
DRAWN BY: *BLJ*
CHECKED BY: *SPH*
PROJ. NO: 687108F
DATE: JULY 91

PLAN SHEET
A PORTION OF THE VILLAGE OF KING'S CONTRIVANCE
HUNTINGTON NEIGHBORHOOD
OPEN SPACE MASTER PLAN
SHEET 4 OF 5

SEDIMENT AND EROSION CONTROL NOTES

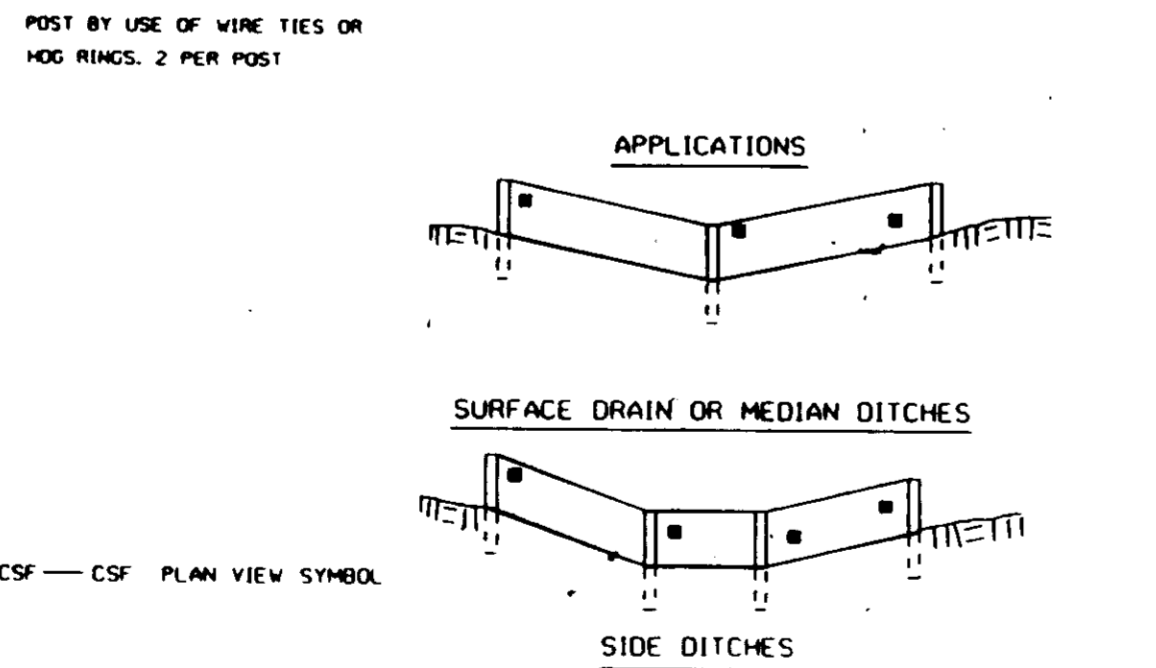
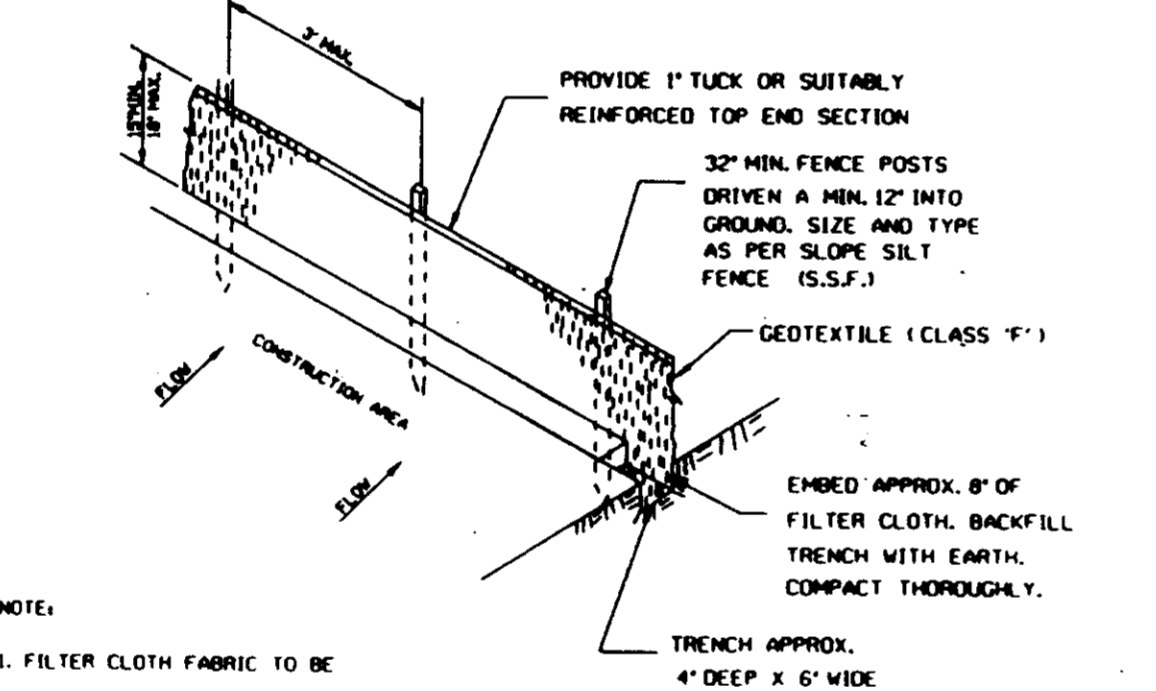
- 1. A minimum of 24 hours notice must be given to the Howard County Sediment Control Division prior to the start of any construction. (880-3450)
2. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS TO THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3. 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.
4. 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.
5. 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. 53), 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.
6. 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.
7. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACE-MENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
8. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS SEDIMENT CONTROL INSPECTOR.
9. 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.
10. 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.
11. 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.
12. ANY CHANGE TO THE GRADING PROPOSED ON THIS PLAN REQUIRES RE-SUBMISSION TO HOWARD COUNTY SOIL CONSERVATION DISTRICT FOR APPROVAL.
13. 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 62.07 FOR ACCEPTABLE METHODS AND SPECIFICATIONS FOR DUST CONTROL.
14. 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.
15. ANY DISTURBED EARTH LEFT IDLE FOR PERIODS EXCEEDING 30 DAYS SHALL BE STABILIZED ACCORDING TO TEMPORARY STABILIZATION SPECIFICATIONS.
16. AT THE END OF EACH WORKING DAY ALL SEDIMENT CONTROL PRACTICE WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
17. 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.
18. THE SEDIMENT CONTROL APPROVALS ON THIS PLAN EXTEND ONLY TO AREAS AND PRACTICES IDENTIFIED AS PROPOSED WORK.
19. THE APPROVAL OF THE PLAN FOR SEDIMENT AND EROSION CONTROL DOES NOT RELIEVE THE DEVELOPER/CONSULTANT FROM COMPLYING WITH ANY FEDERAL/STATE/COUNTY REQUIREMENTS APPLICABLE TO ENVIRONMENTAL ISSUES.

PERMANENT SEEDING NOTES

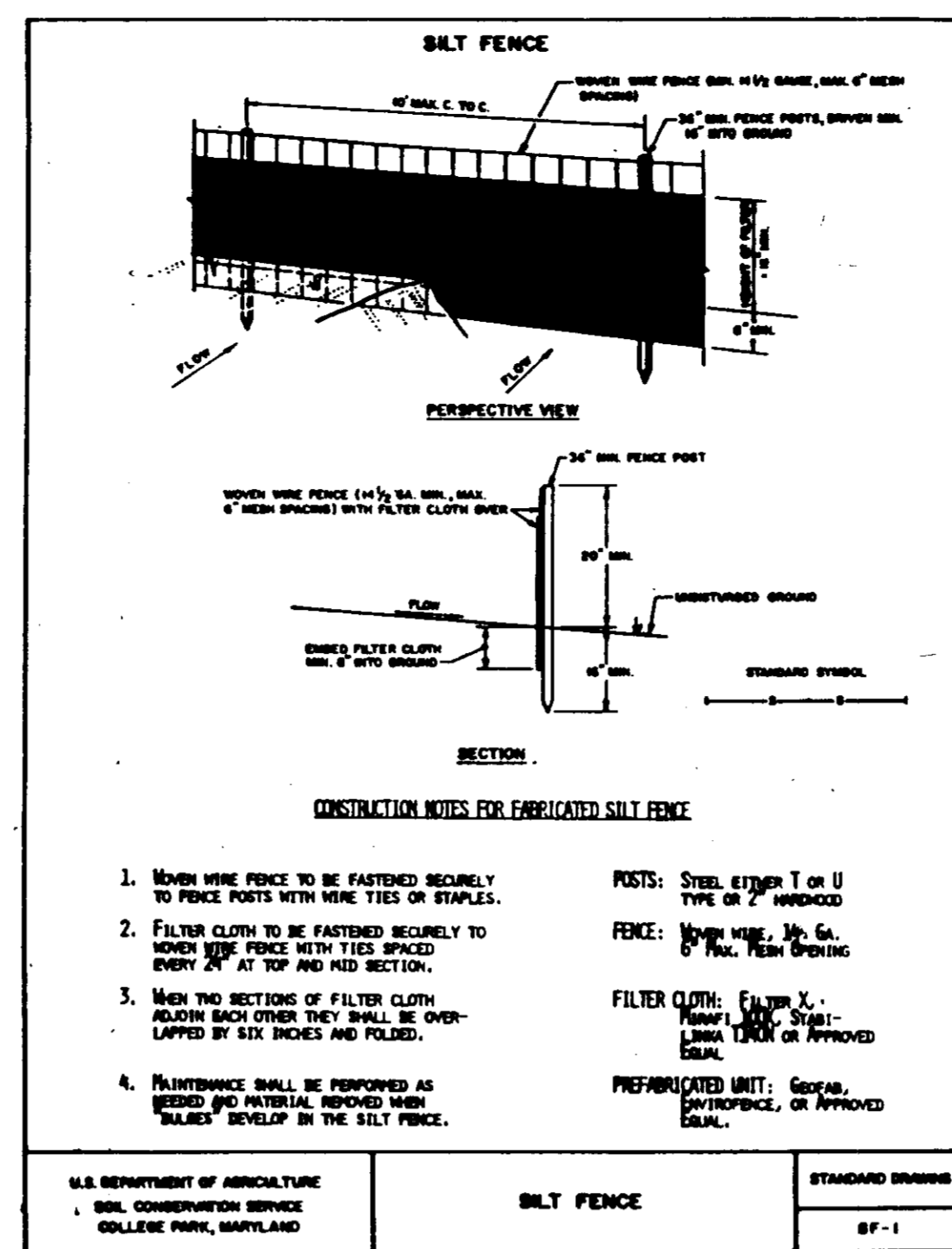
APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.
SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY BAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
SOIL AMENDMENTS: LIEU OF SOIL TESTS RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES.
1. PREPARED - 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.)
2. 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 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.
MAINTENANCE - INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
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 BAKING, 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 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 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.
REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

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

- 1. PROPOSED PATHWAY 13,950 L.F. TOTAL/PROPOSED BOARDWALK: 110 L.F.
2. PROPOSED BRIDGE CROSSING 3 (26) TOTAL
3. FUTURE TOP LOT 5 TOTAL
4. FUTURE PLAY MEADOW 0.0 TOTAL
5. FUTURE SITTING AREA AT OVERLOOK 0.0 TOTAL
6. TOTAL DISTURBED AREA PATHWAY CONSTRUCTION - 13,500 S.F. (10' COMB STRIP)
7. TOTAL PAVED AREA: 83,700 S.F. (6' PATH)
8. TOTAL AREA TO BE VEGETATIVELY STABILIZED: 55,800 S.F.

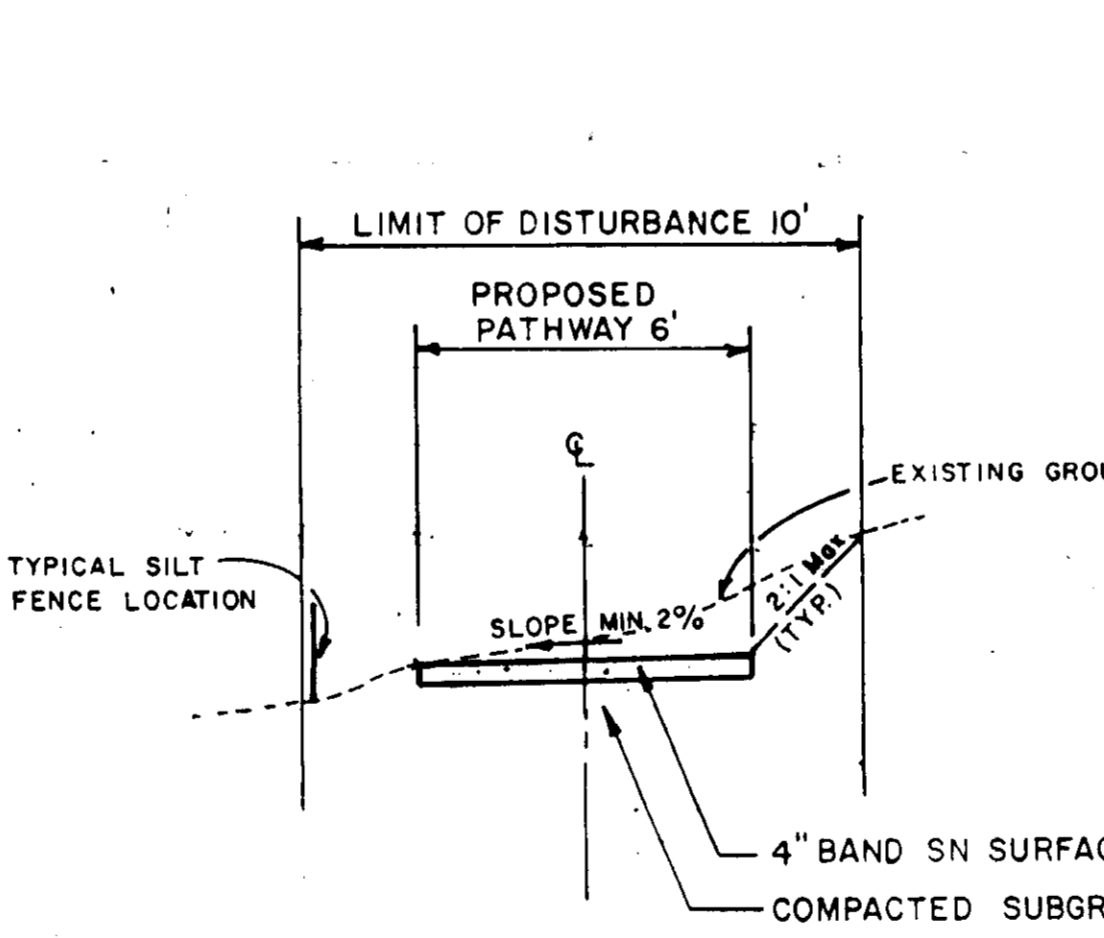


CHANNEL SILT FENCE AT STEAM CROSSING N.T.S.

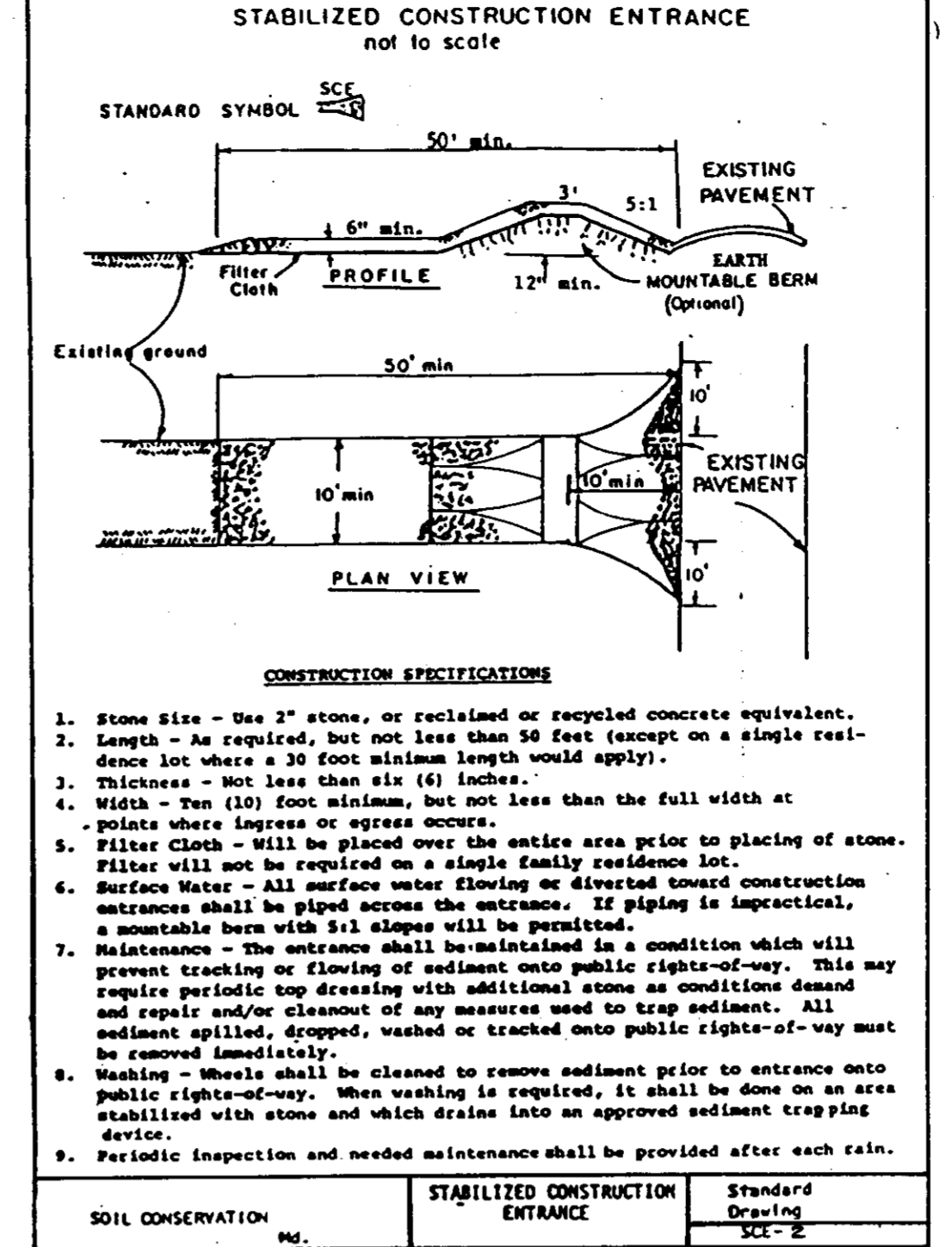


SEQUENCE OF CONSTRUCTION

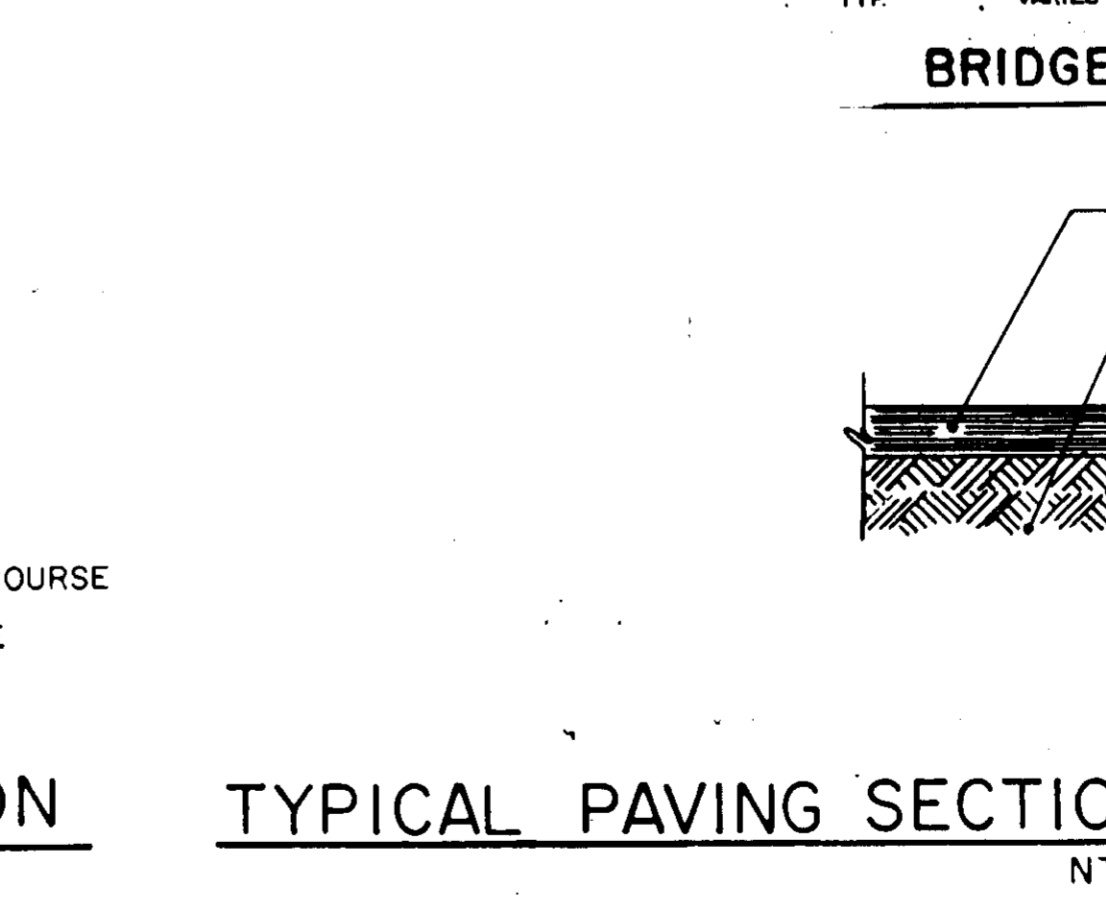
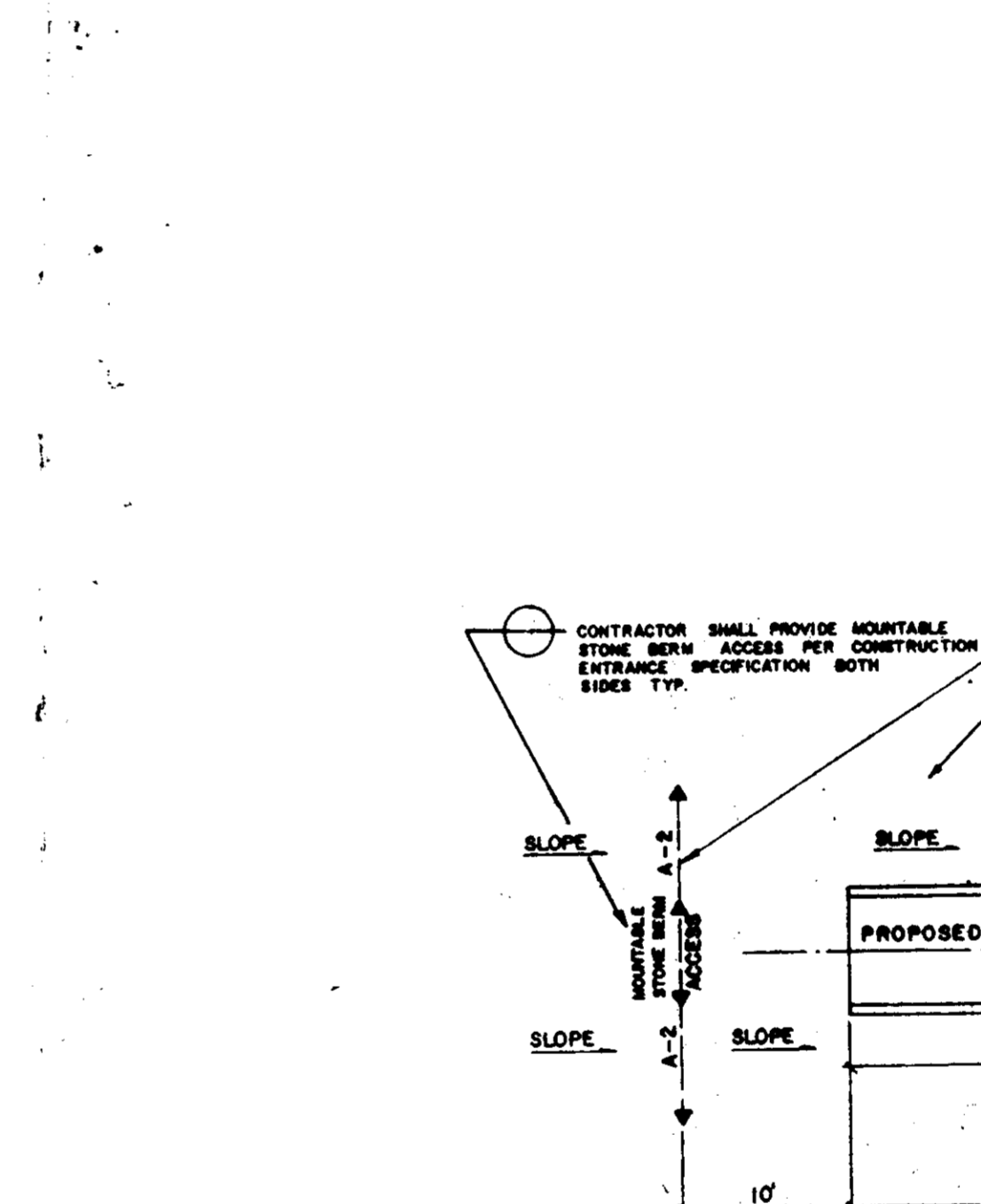
- 1. Obtain grading permit. 1 Day
2. Notify the Howard County Sediment Control Division of DLP at least 48 hours prior to starting any work at 880-3450. 1 Day
3. Clear and grub for sediment and erosion control measures only. Clear only what is necessary for 1 days work, or 1000 feet/day. 1 Day
4. Install 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 Soil Conservation District, Sediment Control Division, and the 1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control and any of the latest revisions.
5. Notify the Howard County Sediment Control Division (of DLP) of completion of said installation.
6. The proposed pathway alignment shall be field staked and approved by the engineer.
7. Once approval is given by the Howard County Sediment Control Inspector, clear and grub areas for pathway construction. 4 Days
8. Grade for pathway construction. Maintain existing grades wherever possible. 4 Days
9. Maintain positive drainage to sediment control devices. No slopes are to exceed 3:1. Immediately stabilize all rough graded area not to be paved. 2 Days
10. Install pathway asphalt as required to maintain positive drainage flow. Once paved portion of pathway is complete install bridge and boardwalk pathway sections. 5 Days
11. With the permission of the Howard County Sediment Control Inspector, remove all sediment control devices and stabilize all areas. 2 Days



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



BRIDGE INSTALLATION PLAN SCALE 1/8" = 1'-0"



TYPICAL PAVING SECTION PROPOSED PATHWAY N.T.S.

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

APPROVED: [Signature] 8-13-92 DATE
[Signature] 8-13-92 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
[Signature] 10/14/92 DATE
[Signature] 10/9/92 DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
[Signature] 9-28-92 DATE

APPROVED: PLANNING BOARD OF HOWARD COUNTY
DATE: 5-12-92

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 7-23-92

RESPONSIBLE PERSONNEL CERTIFICATION
"I HEREBY 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."
Signature of Developer Denis Ellis, Date 7-23-92

CERTIFICATION BY THE ENGINEER
"I CERTIFY THAT ALL DEVELOPMENT AND OR CONSTRUCTION CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS."
Signature of Engineer Bolling W. Haxall, Jr., Date 7/23/92

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 7-23-92

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED: [Signature] 7/27/92 DATE
REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
APPROVED: [Signature] 7/27/92 DATE

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 VILLAGE OF KING'S CONTRIVANCE HUNTINGTON NEIGHBORHOOD
OPEN SPACE MASTER PLAN

SCALE AS SHOWN
DRAWN CHECKED
PROJ. NO. DATE
SHEET 5 OF 5
SDP-92-31

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

ADDRESS CHART
BUILDING STREET ADDRESS

VILLAGE OF KING'S CONTRIVANCE 3/18/92 SEE SHEET #1
PLAT BLOCK ZONE TAX/ZONE MAP/ELEC. DIS. CENSUS TR.
05 42 47 6 6068 4,6069
WATER CODE N/A SEWER CODE N/A