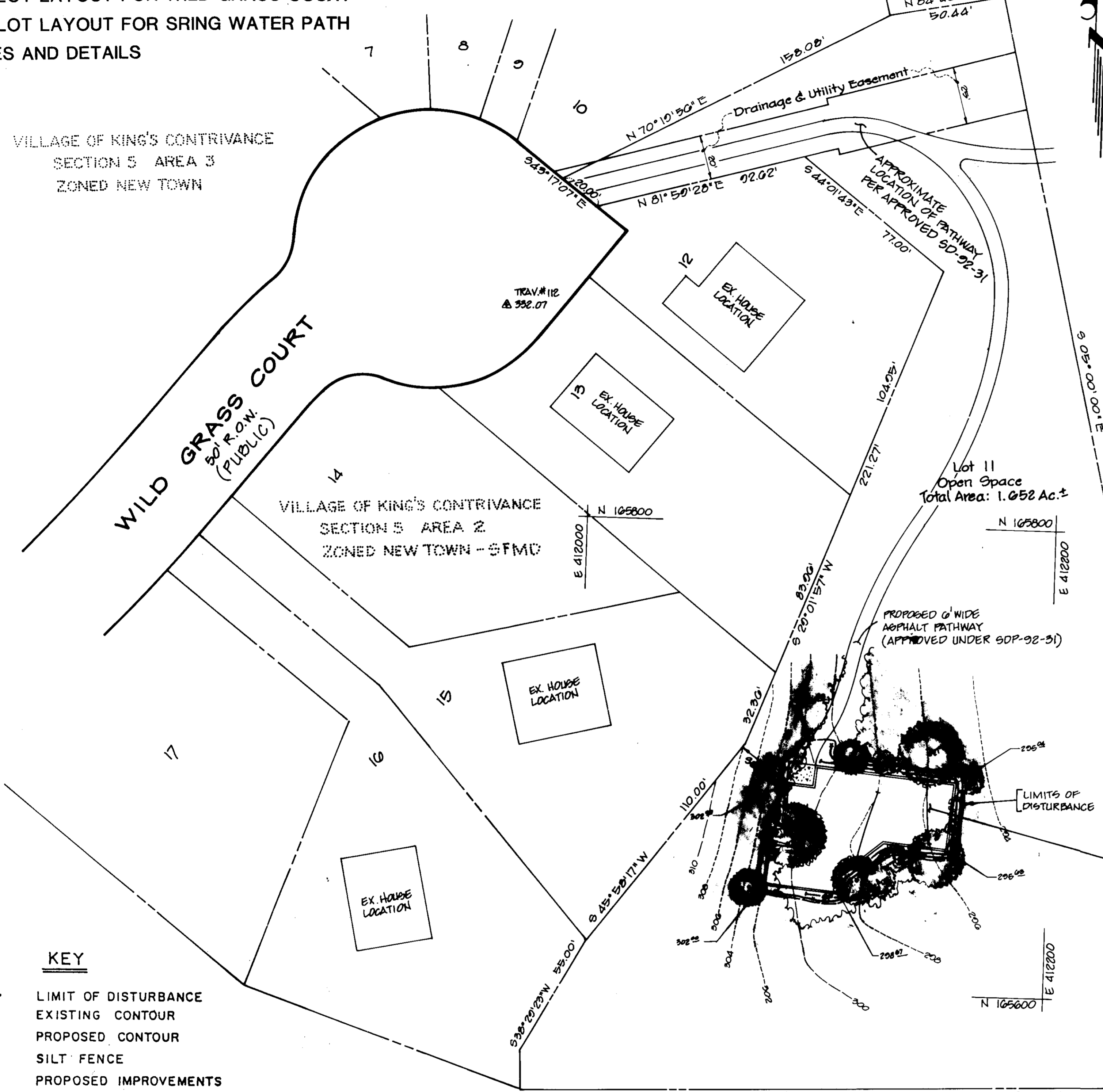


**SHEET INDEX:**

- 1 WILD GRASS COURT TOT LOT PLAN
- 2 SPRING WATER PATH TOT LOT PLAN
- 3 TOT LOT LAYOUT FOR WILD GRASS COURT
- 4 TOT LOT LAYOUT FOR SRING WATER PATH
- 5 NOTES AND DETAILS

VILLAGE OF KING'S CONTRIVANCE  
SECTION 5 AREA 3  
ZONED NEW TOWN



- KEY**
- LIMIT OF DISTURBANCE
  - - - 330 EXISTING CONTOUR
  - (30)--- PROPOSED CONTOUR
  - SF- SILT FENCE
  - PROPOSED IMPROVEMENTS
  - EXISTING TREE
  - PROPOSED CONCRETE PAVING
  - DETAIL REFERENCE/NUMBER/SHEET
  - TREE PROTECTION FENCE

**PLAN**  
SCALE: 1" = 30'

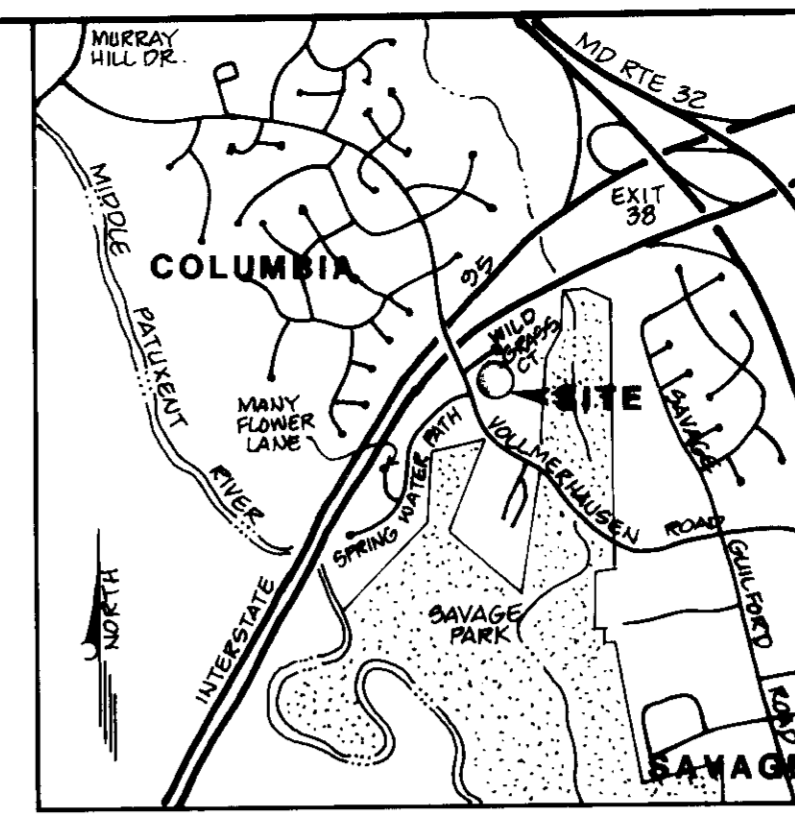
NOTE: NONTIDAL WETLANDS PERMIT # 91-NT-1072 HAS BEEN OBTAINED FOR PATHWAY CONSTRUCTION ON THE TWO OPEN SPACE LOTS SHOWN ON THESE PLANS. BOTH TOT LOTS SHOWN ARE IN UPLAND AREAS AND THEREFORE ADDITIONAL WETLANDS PERMITS ARE NOT REQUIRED.

- GENERAL NOTES**
1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AS AMENDED IN JANUARY, 1989.
  2. DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE CIVIL ENGINEER MAY CAUSE THE WORK TO BE UNACCEPTABLE.
  3. ADJUSTMENTS TO THE SEQUENCE OF CONSTRUCTION SHALL BE APPROVED BY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS PRIOR TO SUCH ADJUSTMENTS.
  4. APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
  5. CONTRACTOR TO ALSO COMPLY WITH SEDIMENT CONTROL NOTES AS DOCUMENTED ON SHEET 5.
  6. THERE MAY BE ADDITIONAL UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS SHOWN AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION AND NOTIFY THE ENGINEER.
  7. CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK ON THESE DRAWINGS:  
"MISS UTILITY" 1-800-257-7777  
BALTIMORE GAS & ELECTRIC CO. 410-234-5691  
CAP TELEPHONE CO. 410-393-3648
  8. 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.
  9. THE CONTRACTOR SHALL OBTAIN THE NECESSARY BUILDING PERMITS AND APPOINTMENTS ARE TO BE ADJUSTED TO FINISHED GRADE.
  10. ALL UTILITIES ARE TO BE RETAINED UNLESS MARKED OTHERWISE AND APPOINTMENTS ARE TO BE ADJUSTED TO FINISHED GRADE.
  11. 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.

12. THE MEASURES REQUIRED IN THE APPROVED SEDIMENT CONTROL PLAN SHALL APPLY AS IS SHOWN ON THIS PLAN.
13. THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 992-2417 OR 992-2418.
14. TOPO TAKEN FROM A SURVEY BY KCI TECHNOLOGIES, INC., DATED SEPTEMBER, 1992.
15. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES AS PER PLATS 7244, 7245, 7246 AND 7331.
16. 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.
17. PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL STAKE OUT ALL CONSTRUCTION AND VERIFY ALL OFFSETS, SETBACKS, EXISTING UTILITY LOCATIONS (HORIZONTAL AND VERTICAL), AND DIMENSIONS.
18. CONTRACTOR SHALL USE DIMENSIONS SHOWN. SCALING OF THESE PLANS IS DISCOURAGED UNLESS DIRECTED BY THE CIVIL ENGINEER.
19. THE CONTRACTOR SHALL TEST FIT EXISTING UTILITIES, WHERE DIRECTED BY ENGINEER, A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
20. 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, THE GRADING OR BUILDING PERMIT, AND THE ORDINANCE.
21. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF TWO (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.
22. APPROVAL SHALL BE REQUESTED ON FINAL STABILIZATION OF ALL SITES WITH DISTURBED AREAS IN EXCESS OF TWO (2) ACRES BEFORE REMOVAL OF CONTROLS.

**SITE ANALYSIS**

TOTAL AREA	=	1.052 ACRES;	71,901.12 SQ. FT.
DISTURBED AREA	=	4550	SQ. FT.
IMPERVIOUS AREA	=	85	SQ. FT.
PERVIOUS AREA	=	4402	SQ. FT.
ROWED: OPEN SPACE	=		
AREA TO BE VEGETATIVELY STABILIZED	=	1705	SQ. FT.
TOTAL CUT	=	10	CY
TOTAL FILL	=	10	CY
TOTAL SPOIL	=	0.0	CY



VICINITY MAP  
SCALE: 1" = 2000'

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND PUBLIC ROADWORK BY THE CITY DEPARTMENT OF PUBLIC WORKS

*James J. ...* DIRECTOR 5/4/93

*...* CHIEF, BUREAU OF ENGINEERING 5/9/93

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*...* DIRECTOR 5/12/93

*...* CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT 5/12/93

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

*...* 5/10/93

APPROVED: PLANNING BOARD OF HOWARD COUNTY

DATE: 12-22-92

JLS

**OWNER/DEVELOPER**

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

ADDRESS CHART

LOT NUMBER: 11  
STREET ADDRESS: 9334 WILD GRASS COURT

VILLAGE OF KING'S CONTRIVANCE OPEN SPACE LOT # 11 SECTION 5 AREA 2

PLAT: 7331 BLOCK: 22 ZONE: 85 TAX: 42 MAP: 0 ELEC: 0000.02 WATER CODE: NA SEWER CODE: NA

RESPONSIBLE PERSONNEL CERTIFICATION

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

*Denis Ellis* 2-5-93 DE

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.* 2/5/93

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."

*Denis Ellis* 2-5-93

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

APPROVED: *... 2/5/93*

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

APPROVED: *... 2/5/93*

REVISIONS

NO.	DESCRIPTION	DATE

PREPARED BY:  
**KCI TECHNOLOGIES, INC.**  
ENGINEERS - PLANNERS - SURVEYORS  
8306 PATUXENT RANGE ROAD  
JESSUP, MARYLAND 20794-8609  
PHONE: (301) 953-1821 (WASH.)  
(410) 792-8088 (BALT.)

WILD GRASS COURT TOT LOT

A PORTION OF THE VILLAGE OF KING'S CONTRIVANCE HUNTINGTON NEIGHBORHOOD TOT LOTS

OPEN SPACE MASTER PLAN

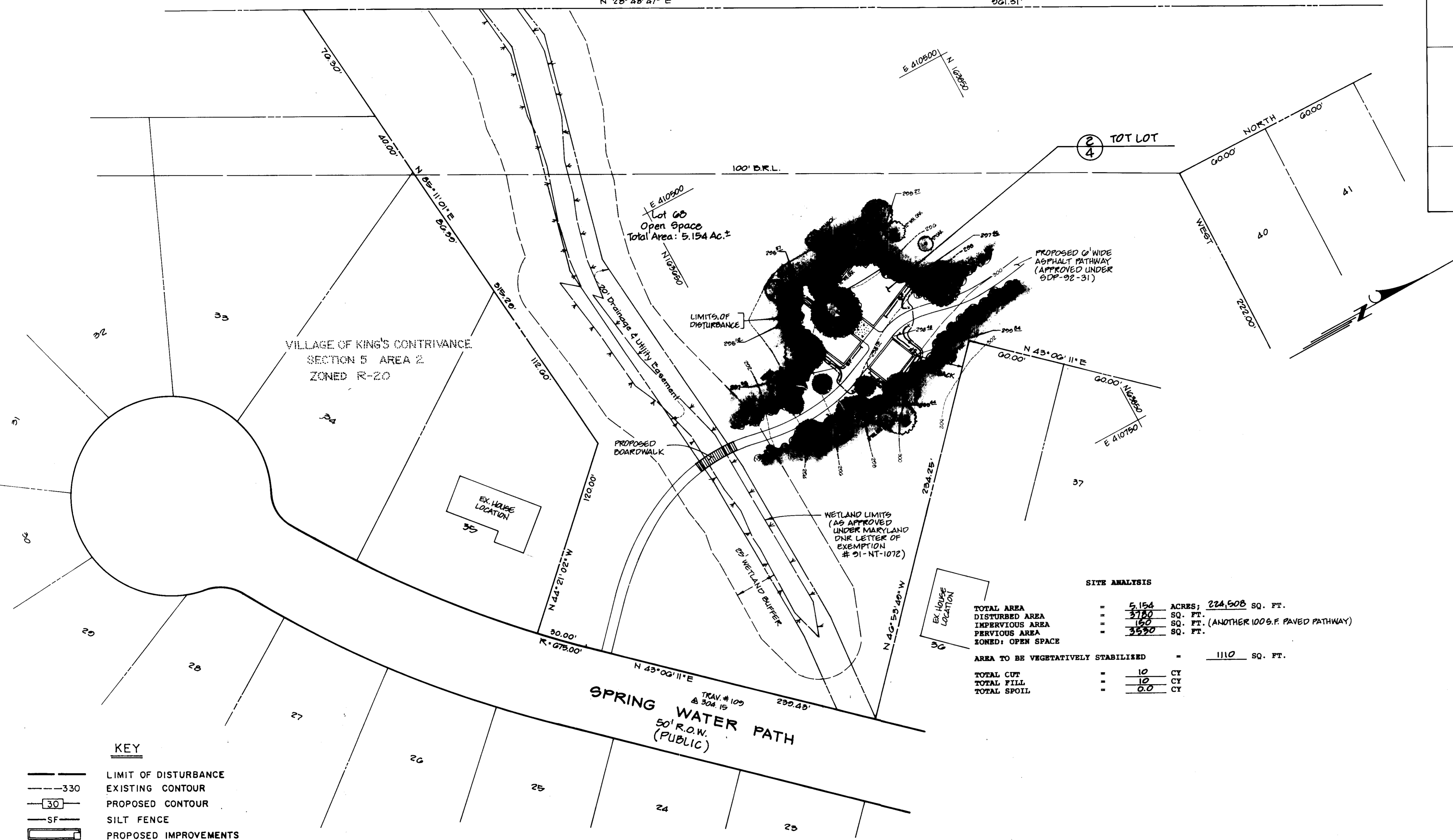
SCALE: As Shown

DRAWN BY: DLJ  
PROJ. NO.: 1087108-1  
DATE: Oct., 1992

SHEET: 15

INTERSTATE RTE. 95

N 28° 48' 47" E 961.31'



Lot 68  
Open Space  
Total Area: 5.154 Ac.±

PROPOSED 6' WIDE  
ASPHALT PATHWAY  
(APPROVED UNDER  
SDP-92-31)

WETLAND LIMITS  
(AS APPROVED  
UNDER MARYLAND  
DNR LETTER OF  
EXEMPTION  
# 91-NT-1072)

SITE ANALYSIS

TOTAL AREA	=	5.154	ACRES; 224,508 SQ. FT.
DISTURBED AREA	=	3780	SQ. FT.
IMPERVIOUS AREA	=	150	SQ. FT. (ANOTHER 100 S.F. PAVED PATHWAY)
PERVIOUS AREA	=	3550	SQ. FT.
ZONED: OPEN SPACE			
AREA TO BE VEGETATIVELY STABILIZED	=	1110	SQ. FT.
TOTAL CUT	=	10	CY
TOTAL FILL	=	10	CY
TOTAL SPOIL	=	0.0	CY

SPRING WATER PATH  
50' R.O.W.  
(PUBLIC)

PLAN  
SCALE: 1" = 30'

KEY

- LIMIT OF DISTURBANCE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- SILT FENCE
- PROPOSED IMPROVEMENTS
- EXISTING TREE
- PROPOSED CONCRETE PAVING
- DETAIL REFERENCE/NUMBER/SHEET
- TREE PROTECTION FENCE

APPROVED: *James J. Lane* 5/8/93  
DIRECTOR

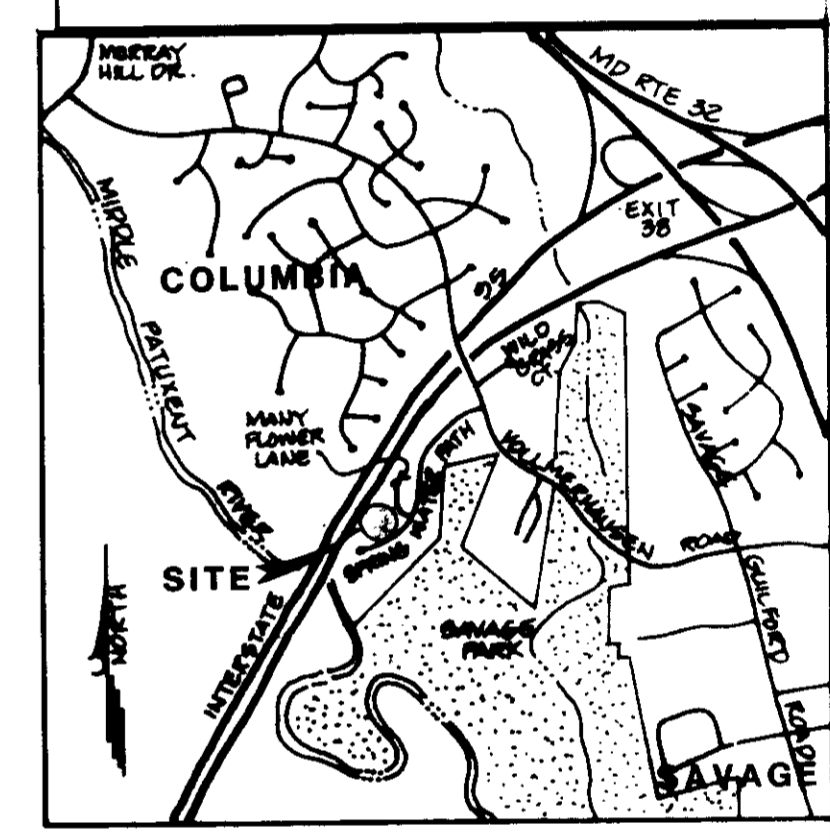
APPROVED: *William B. Gray* 5-2-93  
CHIEF, BUREAU OF ENGINEERING M.E.

APPROVED: *Joseph R. Keith* 5/12/93  
DIRECTOR

APPROVED: *Michael Blomath* 5/12/93  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: *John P. ...* 5-2-93  
COUNTY HEALTH DEPARTMENT

APPROVED  
PLANNING BOARD  
HOWARD COUNTY  
DATE: 12-22-92  
JKS



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

LOT NUMBER	SHEET ADDRESS
68	9900 SPRING WATER PATH

VILLAGE OF KING'S CONTRIVANCE SECTION 5 AREA 2  
7243 4 R-20 47 0 0000.02  
WATER: NA SEWER: NA

RESponsible Personnel Certification  
I certify that any responsible personnel who are involved in the construction project will have received the required training and approval from the County Department of Public Works and Engineering before the start of the project.

*John P. ...* 2-5-93  
SIGNATURE OF DEVELOPER DATE

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.

*William B. Gray* 2/5/93  
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.

*John P. ...* 2-5-93  
SIGNATURE OF DEVELOPER DATE  
DENIS ELLIS

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

APPROVED: *John P. ...* 2/5/93  
HOWARD S.C.D.

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

APPROVED: *John P. ...* 2/5/93  
HOWARD S.C.D.

REVISIONS

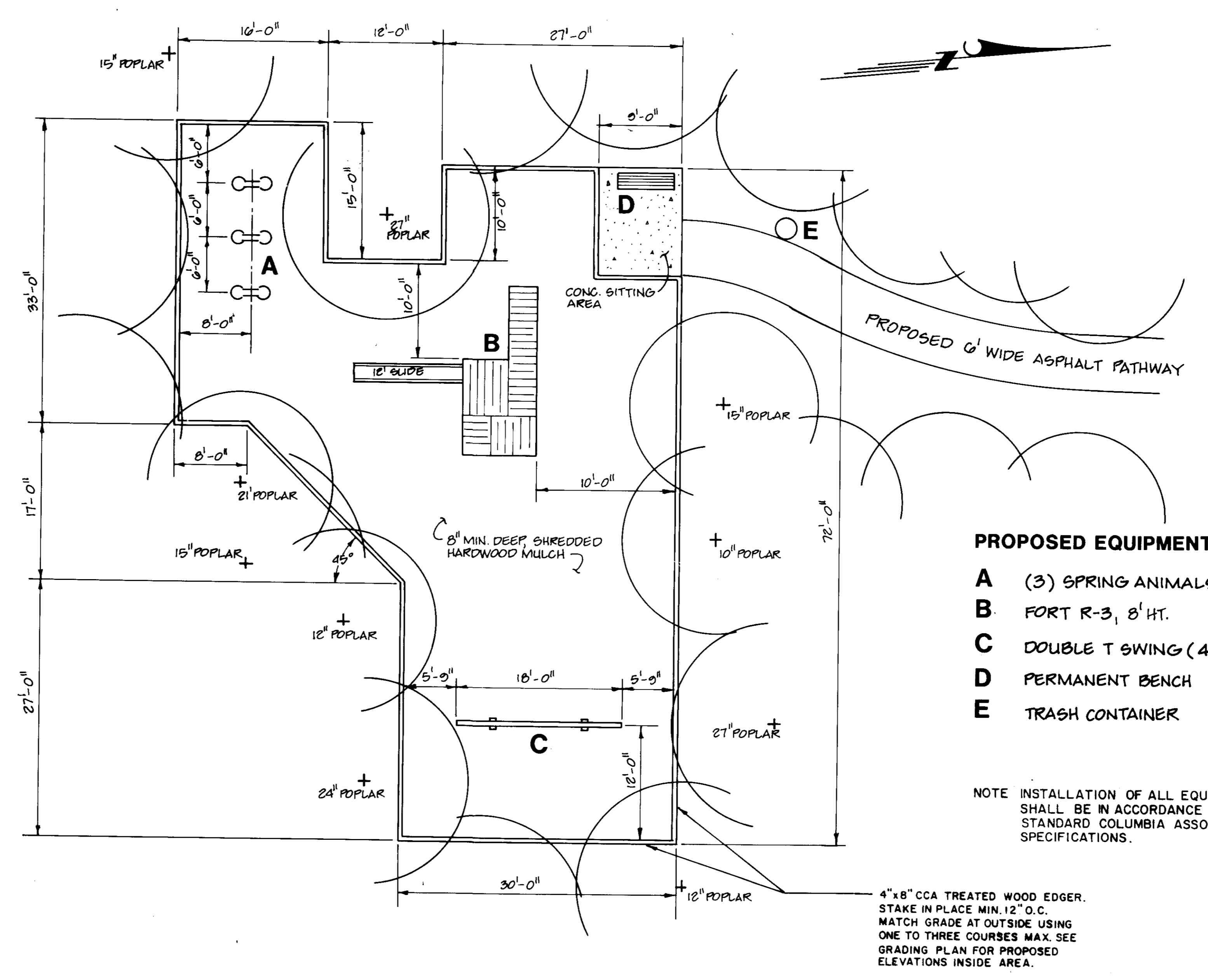
NO.	DESCRIPTION	DATE

PREPARED BY:  
KCI TECHNOLOGIES, INC.  
ENGINEERS - PLANNERS - SURVEYORS  
8306 PATUXENT RANGE ROAD  
JESSUP, MARYLAND 20794-8609  
PHONE: (301) 953-1821 (WASH.)  
(410) 792-8086 (BALT.)

SPRING WATER PATH TOT LOT  
A PORTION OF THE VILLAGE OF KING'S CONTRIVANCE HUNTINGTON NEIGHBORHOOD  
TOT LOTS  
OPEN SPACE MASTER PLAN

SCALE: As Shown  
DRAWN: BLJ  
PREPARED BY: SDH  
PROJECT NO: 1087108-I  
DATE: Oct., 1992  
SHEET: 25

James J. Kim 5.4.93  
 Director  
 William E. Ryan 5.9.93  
 M.K.  
 Approved: Howard County Department of Planning and Land Development  
 August K. Miller 5/12/93  
 Director  
 Emma Hornath 5/12/93  
 Chief, Division of Community Planning and Land Development  
 Approved: For Public Notice and Public Hearing  
 Forwarded to the Planning and Land Development Department  
 Joseph J. Taylor 5.10.93  
 Director  
 County Health Department



- PROPOSED EQUIPMENT:**
- A (3) SPRING ANIMALS, 2' HT.
  - B FORT R-3, 8' HT.
  - C DOUBLE T SWING (4 SEATS), 9'-0" HT
  - D PERMANENT BENCH
  - E TRASH CONTAINER

NOTE: INSTALLATION OF ALL EQUIPMENT SHALL BE IN ACCORDANCE WITH STANDARD COLUMBIA ASSOCIATION SPECIFICATIONS.

**APPROVED**  
**PLANNING BOARD**  
**of HOWARD COUNTY**  
 DATE: 12-22-92  
 JLS

① **TOT LOT**  
 SCALE: 1/8" = 1'-0"

**OWNER/DEVELOPER**  
 COLUMBIA PARK & RECREATION ASSOCIATION  
 9861 BROKEN LAND PARKWAY  
 SUITE 300  
 COLUMBIA, MD. 21046  
 PHONE: (301) 381-0020  
 ADDRESS: 9334 WILD GRASS COURT  
 LOT NUMBER: 11  
 VILLAGE OF KING'S CONTRIVANCE OPEN SPACE LOT # 11 SECTION 5 AREA 2  
 7931 22 88 42 0 0009.02  
 WATER CODE: NA

RESPONSIBLE PERSONNEL CERTIFICATION  
 I HEREBY CERTIFY THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE RECEIVED ATTENDANCE FROM A MD DEPT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.  
 Signature of Developer: Denis Ellis  
 Date: 2-5-93

CERTIFICATION BY THE ENGINEER  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS.  
 Signature of Engineer: Bolling W. Maxall, Jr.  
 Date: 2/5/93

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: 2-5-93

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED: HOWARD S.C.D. DATE: \_\_\_\_\_  
 REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.  
 APPROVED: U.S. SOIL CONSERVATION SERVICE DATE: \_\_\_\_\_  
 Signature: Denis Ellis  
 Title: BOLLING W. MAXALL, JR. P.E.  
 MD. NO. 10242

NO.	REVISIONS	DESCRIPTION	DATE

**PREPARED BY:**  
**KCI TECHNOLOGIES, INC.**  
 ENGINEERS - PLANNERS - SURVEYORS  
 8306 PATUXENT RANGE ROAD  
 JESSUP, MARYLAND 20794-8609  
 PHONE: (301) 953-1821 (WASH.)  
 (410) 792-8086 (BALT.)

**TOT LOT LAYOUT FOR WILD GRASS COURT**  
**A PORTION OF THE VILLAGE OF KING'S CONTRIVANCE HUNTINGTON NEIGHBORHOOD**  
**TOT LOTS**  
**OPEN SPACE MASTER PLAN**

SCALE: As Shown  
 DRAWN: BLJ  
 CHECKED: GDH  
 PROJ. NO.: 1087108-1  
 DATE: Oct., 1992  
 SHEET: 3 of 5

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

*James J. ...* 5-4-93  
DIRECTOR

*William E. ...* 3-2-93  
CHIEF, BUREAU OF ENGINEERING

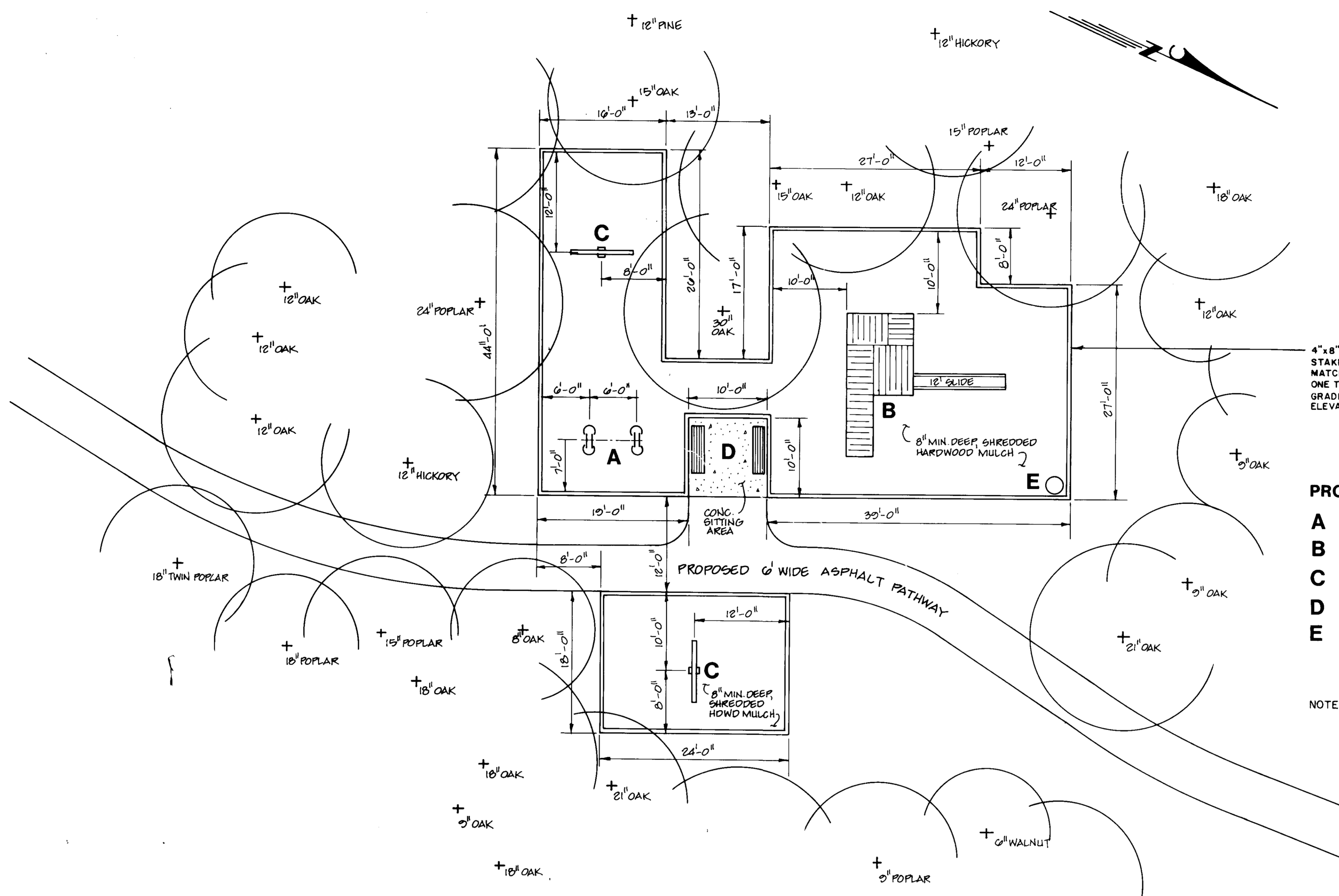
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT

*Joseph R. ...* 5/12/93  
DIRECTOR

*Anna Belmont* 5/12/93  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

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

*James ...* 5-10-93  
COUNTY HEALTH DEPARTMENT



4"x8" CCA TREATED WOOD EDGER.  
STAKE IN PLACE MIN. 12" O.C.  
MATCH GRADE AT OUTSIDE USING  
ONE TO THREE COURSES MAX. SEE  
GRADING PLAN FOR PROPOSED  
ELEVATIONS INSIDE AREA.

- PROPOSED EQUIPMENT :**
- A** (2) SPRING ANIMALS, 2' HT.
  - B** FORT R-3, 8' HT.
  - C** T SWING (2 SEATS), 9'-6" HT.
  - D** (2) PERMANENT BENCHES
  - E** TRASH CONTAINER

NOTE: INSTALLATION OF ALL EQUIPMENT SHALL BE IN ACCORDANCE WITH STANDARD COLUMBIA ASSOCIATION SPECIFICATIONS.

**APPROVED**  
PLANNING BOARD  
of HOWARD COUNTY

DATE: 12-22-92  
*JKS*

② TOT LOT  
SCALE: 1/8" = 1'-0"

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

ADDRESS: ...  
LOT NUMBER: 06  
STREET ADDRESS: 9900 SPRING WATER PATH

VILLAGE OF KING'S CONTRIVANCE  
OPEN SPACE SECTION 5 LOT # 06  
AREA 2  
BLOCK: 1245  
ZONE: 4 R20 AT  
TAX/ZONE MAP REF: U  
SEWER: NA  
WATER: NA

<p>RESPONSIBILITY BY SUNBELT CERTIFICATION HEREBY CERTIFY THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE ATTENDED AN APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.</p> <p><i>DE</i> SIGNATURE OF DEVELOPER DENIS ELLIS</p> <p>2-5-93 DATE</p>	<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 CONDI- TIONS."</p> <p><i>Bolling W. Maxall, Jr.</i> SIGNATURE OF ENGINEER BOLLING W. MAXALL, JR.</p> <p>2-5-93 DATE</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 PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OF THEIR AUTHO- RIZATION AGENTS, AS DEEMED NECESSARY."</p> <p><i>DE</i> SIGNATURE OF DEVELOPER DENIS ELLIS</p> <p>2-5-93 DATE</p>	<p>THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICTS.</p> <p>APPROVED: HOWARD S.C.D. DATE: _____</p> <p>REVIEWED FOR HOWARD S.C.D. AND METS TECHNICAL REQUIRE- MENTS.</p> <p>APPROVED: U.S. SOIL CONSERVATION SERVICE DATE: _____</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DESCRIPTION</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table> <p>PREPARED BY: <b>KCI TECHNOLOGIES, INC.</b> ENGINEERS - PLANNERS - SURVEYORS 8306 PATUXENT RANGE ROAD JESSUP, MARYLAND 20794-8609 PHONE: (301) 953-1821 (WASH.) (410) 792-8086 (BALT.)</p>	NO.	DESCRIPTION	DATE				<p><b>TOT LOT LAYOUT FOR SPRING WATER PATH</b> A PORTION OF THE VILLAGE OF KING'S CONTRIVANCE HUNTINGTON NEIGHBORHOOD <b>TOT LOTS</b> OPEN SPACE MASTER PLAN</p>	<p>SCALE: As Shown</p> <p>DRAWN: BLJ PROJ. NO: 1007108-1 DATE: Oct., 1992</p> <p>SHEET: 45</p>
NO.	DESCRIPTION	DATE										

**SEDIMENT CONTROL NOTES**

A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. (992-2437)

ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS 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; B) SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS; AND C) FOURTEEN (14) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS.

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. 31), SOO (SEC. 34), TEMPORARY SEEDINGS (SEC. 32), AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE USED 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.

ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY OFFICE OF PUBLIC WORKS SEDIMENT CONTROL INSPECTOR.

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. 82.01 OR 82.02 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.

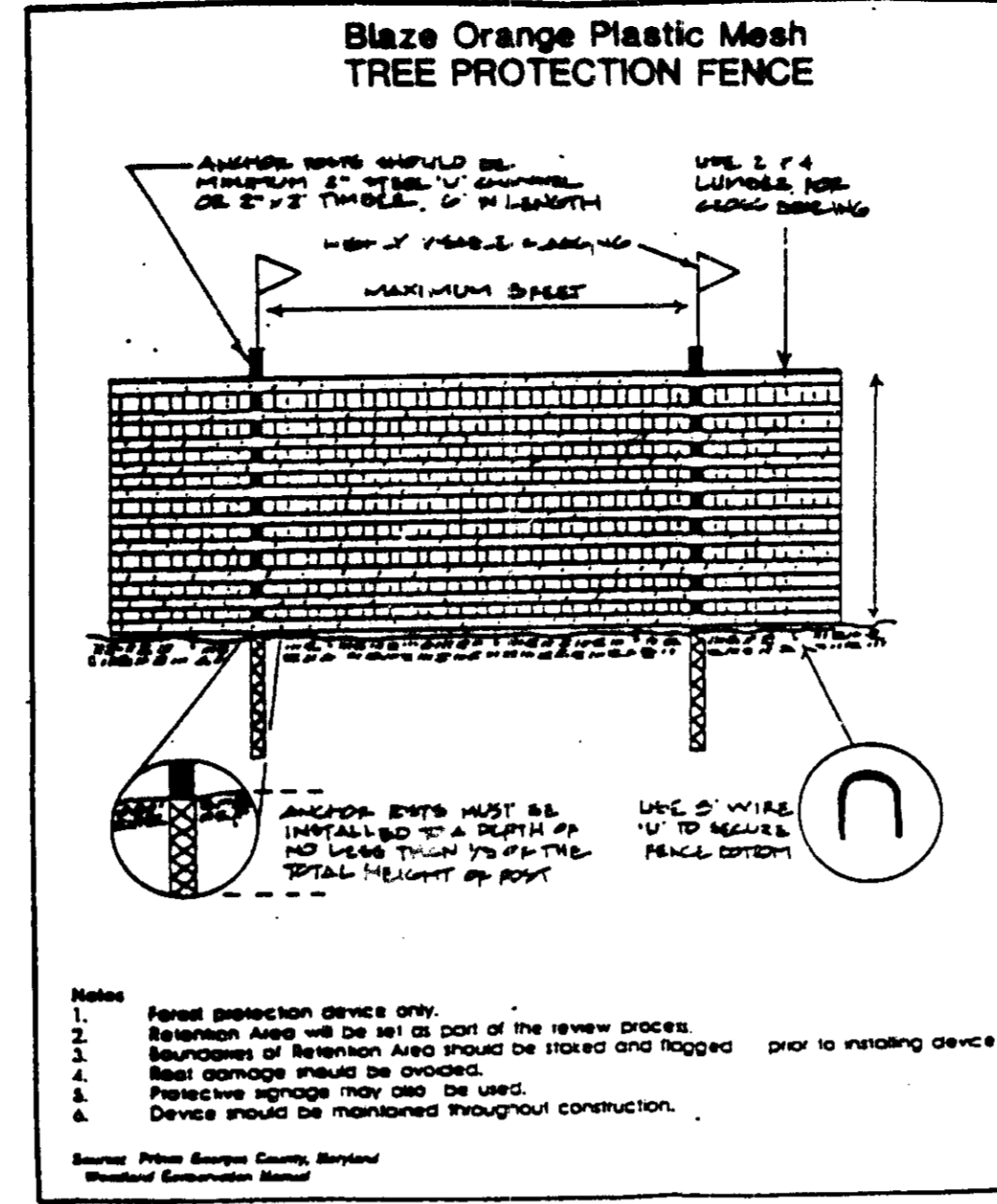
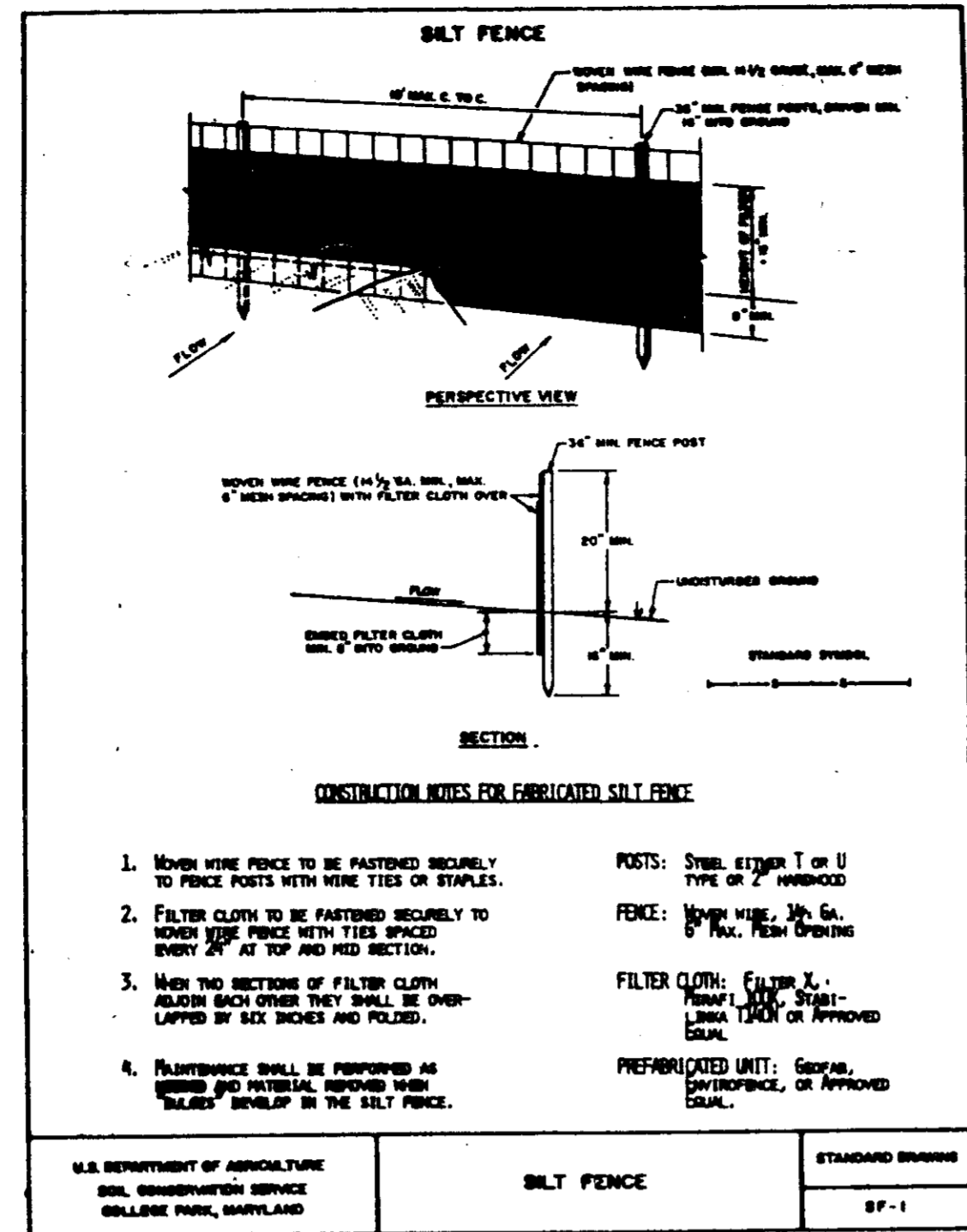
AT THE END OF EACH WORKING DAY ALL SEDIMENT CONTROL PRACTICE WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.

THE SEDIMENT CONTROL APPROVALS ON THIS PLAN EXTEND ONLY TO AREAS AND PRACTICES IDENTIFIED AS PROPOSED WORK.

THE APPROVAL OF THE PLAN FOR SEDIMENT AND EROSION CONTROL DOES NOT RELIEVE THE DEVELOPER/CONSULTANT FROM COMPLYING WITH ANY FEDERAL/STATE/COUNTY REQUIREMENTS PERTAINING TO ENVIRONMENTAL ISSUES.

AT THIS TIME, WE BELIEVE THAT SECTIONS 404 OR 401 OF THE CLEAN WATER ACT DO NOT AFFECT OUR SITE.

THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS, AND/OR RIGHTS-OF-WAYS THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAYS THAT MAY BE REQUIRED FOR GRADING AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.



**TEMPORARY AND PERMANENT SEEDING NOTES**

**TEMPORARY SEEDING NOTES:** APPLY TO GRADED OR CLEARED AREAS WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED. SEEDING PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

**RECOMMENDATIONS:** APPLY 80 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.)

**SEEDING:** FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 15 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/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 15 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 SOO.

**MULCHING:** APPLY 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 6 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING. REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

**PERMANENT SEEDING NOTES:** APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

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

**RECOMMENDATIONS:** IN LIEU OF SOIL TESTS RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

1. PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 800 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL AT TIME OF SEEDING. APPLY 400 LB. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ. FT.)
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.

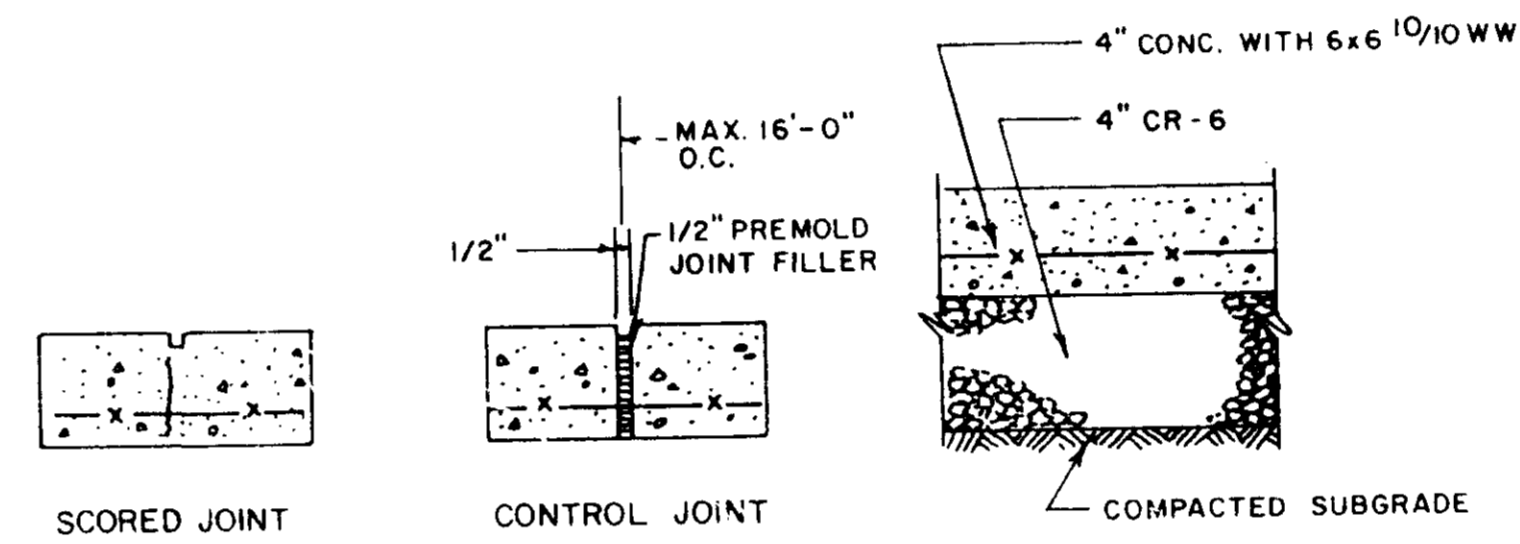
**SEEDING:** FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 15 THRU OCTOBER 15, SEED WITH 80 LBS PER ACRE (.14 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 80 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (.05 LBS/1000 SQ. FT.) OF WEEPING LOVEGRASS. 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 SOO. OPTION (3) SEED WITH 80 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 6 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.

**GENERAL NOTES:**

1. ALL TREES 12" IN DIAMETER OR LARGER SHOULD REMAIN PROTECTED AND UNDISTURBED.
2. THE DEVELOPER SHALL REQUEST A WAIVER TO HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, SECTION 16.116c6, IN THE EVENT THAT WORK WILL BE DONE WITHIN A 25' WETLAND BUFFER OR 75' STREAM BUFFER AREA.



- SEQUENCE OF CONSTRUCTION**
1. OBTAIN GRADING PERMIT FROM HOWARD COUNTY DEPARTMENT OF LICENCES AND PERMITS. 1 DAY
  2. NOTIFY THE HOWARD COUNTY BUREAU OF LICENCES, INSPECTIONS AND PERMITS AT LEAST 48 HOURS BEFORE ANY WORK BEGINS. 1 DAY
  3. CLEAR AND GRUB FOR SEDIMENT AND EROSION CONTROL MEASURES ONLY. 2 DAYS
  4. INSTALL TREE PROTECTION FENCE IN ACCORDANCE WITH THE SITE PLAN. 1 DAY
  5. INSTALL ALL SILT FENCE AS SHOWN ON THE SITE PLAN. SILT FENCE TO BE INSTALLED IN ACCORDANCE WITH HOWARD COUNTY SOIL CONSERVATION DISTRICT, DIVISION OF LICENCES AND PERMITS AND 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. 2 DAYS
  6. WITH APPROVAL OF THE HOWARD COUNTY DEPARTMENT OF LICENCES AND PERMITS AND THE SEDIMENT CONTROL INSPECTOR, CLEAR AND GRUB AREAS FOR CONSTRUCTION. 3 DAYS
  7. GRADE AREAS FOR TOT LOT CONSTRUCTION AS CLOSE TO EXISTING GRADE AS POSSIBLE. CROSS SLOPES SHALL REFLECT EXISTING TOPOGRAPHIC CONDITIONS. 3 DAYS
  8. MAINTAIN POSITIVE DRAINAGE TO SILT FENCE. NO SLOPES TO EXCEED 3:1. STABILIZE ROUGH GRADED AREAS. 2 DAYS
  9. STABILIZE ALL DISTURBED AREAS IMMEDIATELY FOLLOWING INITIAL SOIL DISTURBANCE AND WITHIN 14 DAYS. 1 DAY
  10. INSTALL TOT LOT AS REQUIRED TO MAINTAIN POSITIVE DRAINAGE FLOW. 10 DAYS
  11. WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL EROSION CONTROL DEVICES AND IMMEDIATELY STABILIZE ALL AREAS. 2 DAYS

**SEDIMENT CONTROL**

"I/VE 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 MD. DEPT. OF THE ENVIRONMENT 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: 2-5-93

Handwritten notes and signatures in the top right corner, including dates like 5-4-93 and 3-9-93.

HOWARD COUNTY DEPARTMENT OF LICENCES AND PERMITS  
DATE: 12-22-92

**OWNER/DEVELOPER**

LOT NUMBER: 11  
9334 WILD GRASS COURT  
60 9300 SPRING WATER PATH

VILLAGE OF KING'S CONTRIVANCE  
OPEN SPACE WITH SECTION

73215 88 88 02 47 0  
8-20

<p>CERTIFICATION BY THE DEVELOPER</p> <p>"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS."</p> <p>Signature: Denis Ellis DATE: 2-5-93</p>	<p>CERTIFICATION BY THE ENGINEER</p> <p>"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS."</p> <p>Signature: Dennis W. Maxall, Jr. DATE: 2/5/93</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>Signature: Denis Ellis DATE: 2-5-93</p>	<p>THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.</p> <p>APPROVED: [Signature] DATE: 2/5/93</p> <p>REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.</p> <p>APPROVED: [Signature] DATE: 2/5/93</p>	<p>REVISIONS</p> <p>NO. DESCRIPTION DATE</p>	<p>PREPARED BY:</p> <p>KCI TECHNOLOGIES, INC. ENGINEERS - PLANNERS - SURVEYORS</p> <p>8306 PATUXENT RANGE ROAD JESSUP MARYLAND 20794-8609 PHONE (301) 953-1821 ( WASH ) (410) 792-8086 ( BALT )</p>	<p><b>NOTES &amp; DETAILS</b></p> <p>A PORTION OF THE VILLAGE OF KING'S CONTRIVANCE HUNTINGTON NEIGHBORHOOD</p> <p><b>TOT LOTS</b></p> <p>OPEN SPACE MASTER PLAN</p>
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