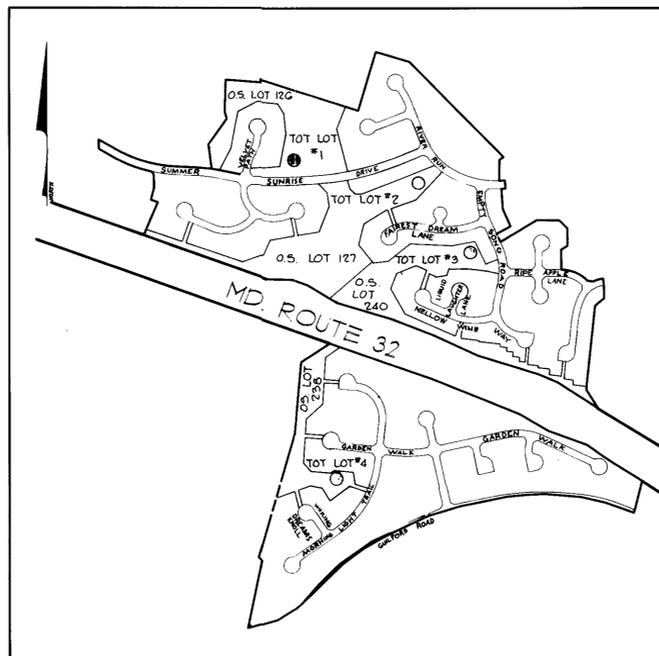


**GENERAL NOTES**

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AS AMENDED IN JANUARY 1989.
- 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.
- 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 OPERATIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO ALSO COMPLY WITH SEDIMENT CONTROL NOTES AS DOCUMENTED ON SHEET 6.
- THERE MAY BE ADDITIONAL UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS NOT 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.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE DRAWINGS:  
 "MISS UTILITY" (410) 257-7777  
 BALTIMORE GAS & ELECTRIC COMPANY (410) 234-5691  
 CAP TELEPHONE (410) 393-3646
- 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 BUILDING 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 ARE STABILIZED AT THAT POINT. ALL SEDIMENT CONTROL DEVICES SHALL BE REMOVED AND AREAS RESTORED AND STABILIZED.
- THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION/INSPECTION DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 313-0830.
- TOPO TAKEN FROM A SURVEY BY C.B. MILLER AND ASS. DATED 6/94.
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES, AS PER PLAT NO'S 10995, 10999, 10942 AND 10845.
- PRIOR TO START OF ANY CONSTRUCTION, CONTRACTOR SHALL STAKE-OUT 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.
- 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.
- 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.
- DEMARCATHE THE LIMIT OF DISTURBANCE AREA ON THE SITE WITH A CONSTRUCTION FENCE PRIOR TO ANY CLEARING AND GRADING ACTIVITY FOR THE TOT LOT CONSTRUCTION.
- STORMWATER MANAGEMENT FOR THESE SITES WAS PROVIDED UNDER ORIGINAL SUBDIVISION PLANS E: F 93-80, F 94-32, F 93-81 AND F 93-18.
- MAINTENANCE OF THE TOT LOTS WILL BE THE RESPONSIBILITY OF THE COLUMBIA ASSOCIATION, THE OWNER.
- ALL TREES 12 INCHES AND LARGER ARE NOT TO BE DISTURBED. ALL TREES WITHIN LIMITS OF DISTURBANCE TO HAVE TREE PROTECTION FENCE INSTALLED AROUND THEM.
- THE FOLLOWING DEPARTMENT OF PLANNING AND ZONING FILE NUMBERS SHALL APPLY FDP PHASE 209 PART I AND 209 PART II, F-94-32, F-93-18, AND F-93-80.
- NO GRADING, STRUCTURES, OR REMOVAL OF VEGETATIVE COVER IS PERMITTED WITHIN WETLAND OR STREAM BUFFERS, EXCEPT AS PERMITTED BY WP 95-120.

# VILLAGE OF RIVER HILL POINTERS RUN TOT LOTS



**LOCATION MAP**  
SCALE 1" = 600'

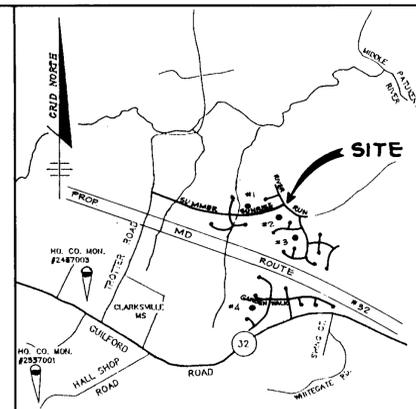
**LEGEND**

- LIMIT OF DISTURBANCE (TREE PROTECTION/CONSTRUCTION FENCE)
- EXISTING CONTOUR
- PROPOSED CONTOUR
- SILT FENCE
- EARTH DIKE
- EXISTING TREES
- PROPOSED CONCRETE PAVING

ADDRESS CHART	
LOT No.	STREET ADDRESS
OS LOT 126	6350 SUMMER SUNRISE DRIVE
OS LOT 127	6444 RIVER RUN
OS LOT 240	6392 EMPTY SONG ROAD
OS LOT 238	7108 MORNING LIGHT TRAIL
SUBDIVISION NAME	SECT./ 2/1, 2/2   PARCEL 126,238
VILLAGE OF RIVER HILL	AREA 2/1, 2/2   LOTS 127,240
PLAT	TAX/ZONE   ELEC. DIST.   CENSUS TR.
10845, 10995, 10999, 10942	MAP 35   5th   6056.00
WATER COJE	SEWER CODE
N/A	N/A

HOWARD COUNTY MONUMENT #2437003  
STAMPED CONCRETE MONUMENT ON NORTH SIDE  
OF GUILFORD ROAD 10' FROM EDGE OF PAVING.

HOWARD COUNTY MONUMENT #2337001 ELEV. 496.095  
STAMPED CONCRETE MONUMENT ON EAST SIDE  
OF HALL SHOP ROAD 27.5' FROM EDGE OF PAVING.



**VICINITY MAP**  
SCALE 1" = 2000'

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

*Patricia Engler* 11/20/95  
U.S. SOIL CONSERVATION SERVICE DATE

BY THE ENGINEER:  
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

*John R. Heinrichs* 3/7/95  
ENGINEER: JOHN R. HEINRICHS DATE

BY THE DEVELOPER:  
I CERTIFY THAT ALL DEVELOPMENT AND 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 MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

*Denis Ellis* 3/7/95  
DEVELOPER: DENIS ELLIS DATE  
COLUMBIA ASSOCIATION

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

*John R. Heinrichs* 11/20/95  
HOWARD S.C.D. DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*William D. ...* 1/10/96  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*John Surranity* 1/23/96  
CHIEF, DIVISION AND LAND DEVELOPMENT AND RESEARCH DATE

*James ...* 1/24/96  
DIRECTOR DATE

OWNER/DEVELOPER

**THE COLUMBIA ASSOCIATION**  
ATTN: DENIS ELLIS  
10221 WINGOPIN CIRCLE, SUITE 100  
COLUMBIA, MARYLAND 21044-3410  
(410) 312-6325

**PHOENIX ENGINEERING, INC.**  
CONSULTING ENGINEERS  
817 WALTON CIRCLE LAKE SUITE 300  
BALTIMORE MARYLAND 21220  
(410) 247-8833 FAX 247-8897

AREA

VILLAGE OF RIVER HILL  
SECTION 2 AREA 1  
OPEN SPACE LOTS 126 AND 127  
SECTION 2 AREA 2 PHASE 1 LOT 240  
SECTION 2 AREA 2 PHASE 2 LOT 238  
5th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

TITLE

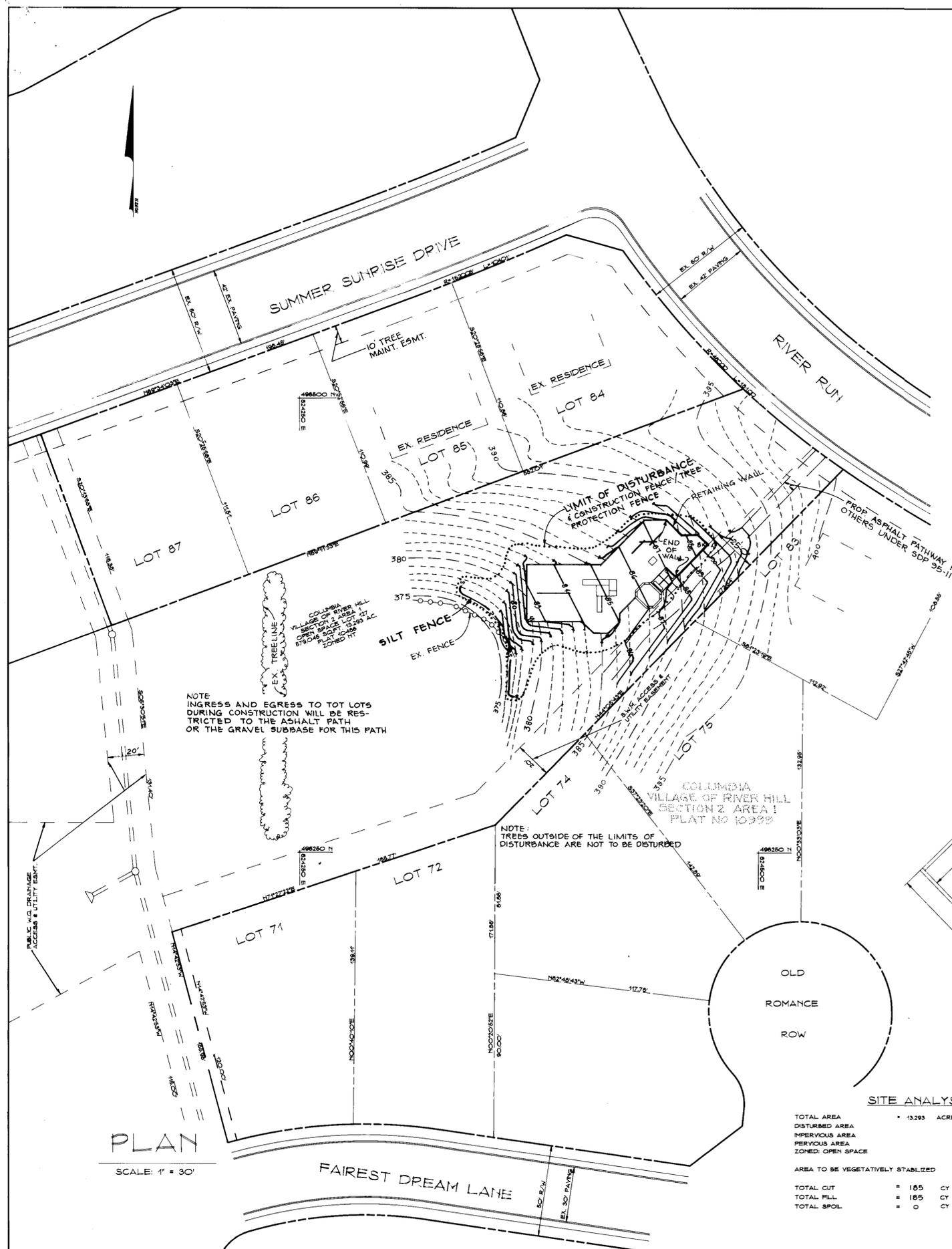
**TOT LOTS 1 THRU 4  
SITE DEVELOPMENT PLAN  
SEDIMENT CONTROL PLAN**

Des By	R.J.W.	Scale	AS SHOWN	Proj No	94-0300 P/REV.CWG
Dim By	R.B.A.	Date	MARCH 9, 1995	DRAWING NO	1 OF 6
Chk By	J.R.H.	SDP-95-82			

3/7/95  
Date

**JOHN R. HEINRICHS**  
Professional Engr. No. 14920

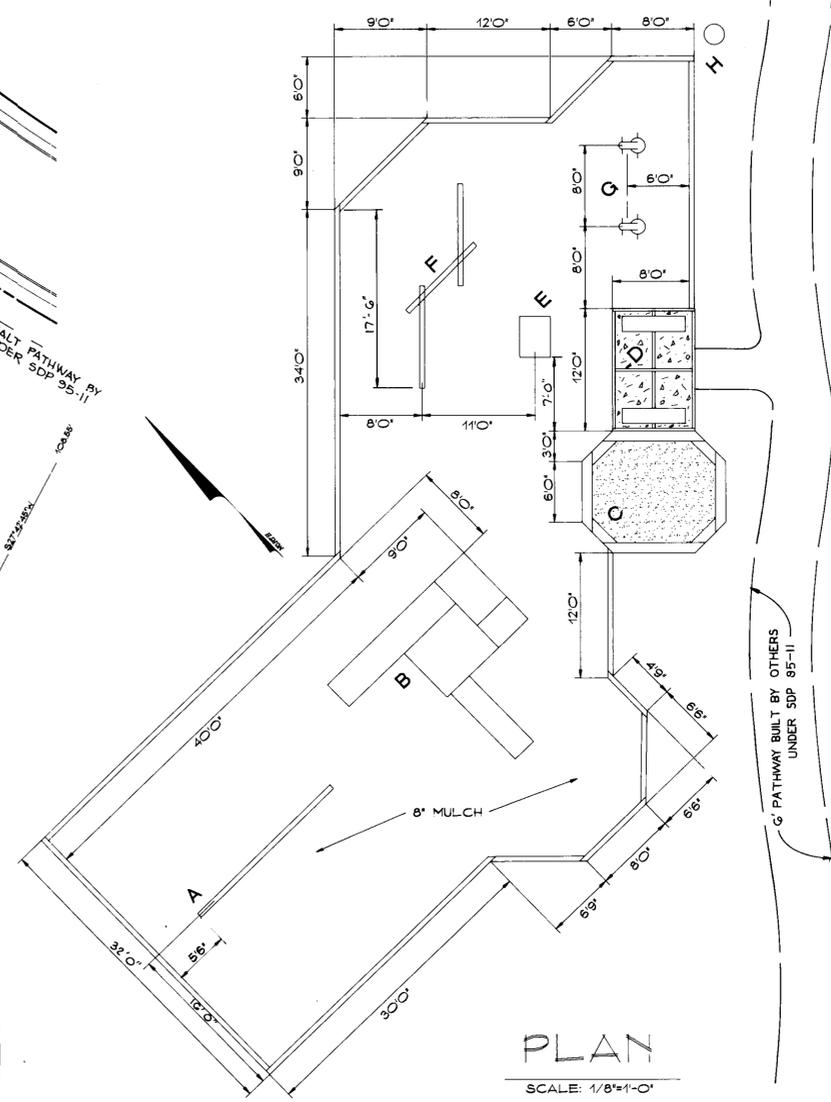




PLAN  
SCALE: 1" = 30'

**SITE ANALYSIS**

TOTAL AREA	= 13.293 ACRES	579,045 SQ. FT.
DISTURBED AREA		7,170 SQ. FT.
IMPERVIOUS AREA		100 SQ. FT.
PERVIOUS AREA		7,070 SQ. FT.
ZONED OPEN SPACE		111 SQ. FT.
AREA TO BE VEGETATIVELY STABILIZED	=	3,935 SQ. FT.
TOTAL CUT	=	185 CY
TOTAL FILL	=	185 CY
TOTAL SPOL	=	0 CY



PLAN  
SCALE: 1/8"=1'-0"

**PROPOSED EQUIPMENT**

- A - 4 SEAT DOUBLE T-SWING
- B - FORT R-3
- C - SANDBOX
- D - CONCRETE PAD W/2 BENCHES
- E - CRAWL THROUGH TUBE
- F - BALANCE BEAM
- G - 2 SPRING ANIMALS
- H - TRASH CONTAINER

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
*Patricia Engle* 1/24/95  
 U.S. SOIL CONSERVATION SERVICE DATE

BY THE ENGINEER:  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.  
*John R. Heinrichs* 3/7/95  
 ENGINEER: JOHN R. HEINRICHS DATE

BY THE DEVELOPER:  
 I CERTIFY THAT ALL DEVELOPMENT AND 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 MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*Denis Ellis* 3-6-95  
 DEVELOPER: DENIS ELLIS DATE  
 COLUMBIA ASSOCIATION

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
*John R. Polunton* 1/24/95  
 HOWARD S.C.D. DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*Chris Dammus* 1/18/96  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
*Jim Swintony* 1/23/96  
 CHIEF, DIVISION AND LAND DEVELOPMENT AND RESEARCH DATE  
*James R. Smith* 1/24/96  
 DIRECTOR DATE

Date: No: Revision Description  
 OWNER/DEVELOPER  
**THE COLUMBIA ASSOCIATION**  
 ATTN: DENIS ELLIS  
 10221 WINGPIN CIRCLE, SUITE 100  
 COLUMBIA, MARYLAND 21044-3410  
 (410) 312-6325

**PHOENIX ENGINEERING, INC.**  
 CONSULTING ENGINEERS  
 817 HALEY CROCKET LANE, SUITE 300  
 BALTIMORE, MARYLAND 21228  
 (410) 247-8833 FAX 247-8397

AREA  
 VILLAGE OF POINTERS RUN SECTION 2 AREA 1  
 OPEN SPACE LOT 127  
 5th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

TITLE  
**TOT LOT #2 RIVER RUN  
 SITE DEVELOPMENT PLAN  
 SEDIMENT CONTROL PLAN**

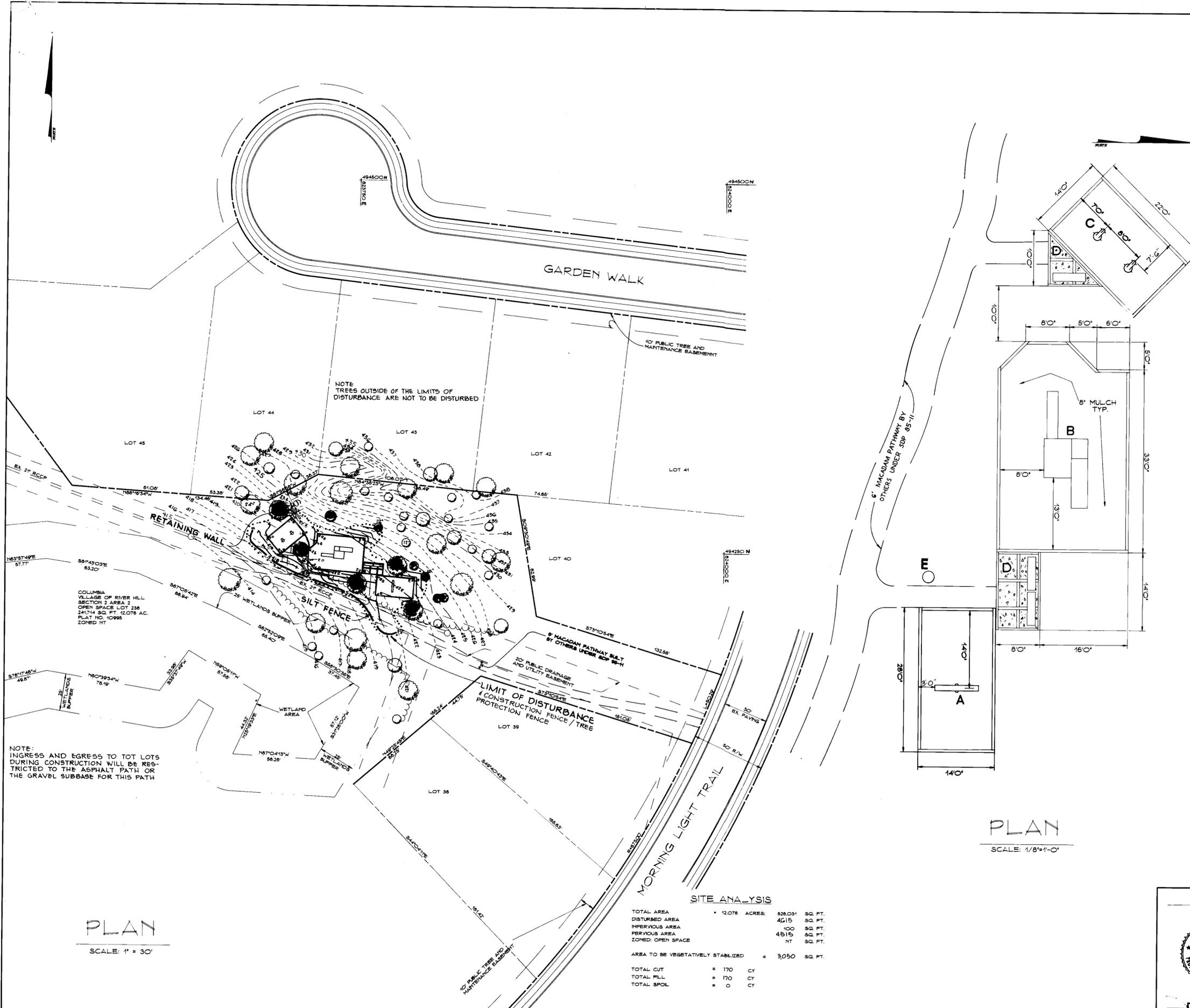
DES.	R.J.W.	SCALE: AS SHOWN	PTSDP2.DWG
DRN.	R.B.A.	DATE: MARCH 9, 1995	3 OF 6
CHK.	J.R.H.	SDP 95-82	

3/7/95  
 Date  
  
 JOHN R. HEINRICHS  
 Professional Engr. No. 14920



PROPOSED EQUIPMENT

- A - 2 SEAT T-SWING
- B - FORT R-2
- C - (2) SPRING ANIMALS
- D - CONCRETE PAD WITH BENCHES
- E - TRASH CONTAINER



REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

*Patricia Engler* / *J.R.H.* 11/20/95  
U.S. SOIL CONSERVATION SERVICE DATE

BY THE ENGINEER:  
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

*John R. Heinrichs* 2/7/95  
ENGINEER JOHN R. HEINRICHS DATE

BY THE DEVELOPER:  
I CERTIFY THAT ALL DEVELOPMENT AND 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 MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

*Denis Ellis* 3-6-95  
DEVELOPER DENIS ELLIS DATE  
COLUMBIA ASSOCIATION

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

*John R. Reardon* 11/20/95  
HOWARD S.C.D. DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*John R. Reardon* 1/10/96  
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Jim Summary* 1/23/96  
CHIEF, DIVISION AND LAND DEVELOPMENT AND RESEARCH DATE

*John R. Reardon* 1/24/96  
DIRECTOR DATE

Date	No.	Revision Description

OWNER/DEVELOPER  
**THE COLUMBIA ASSOCIATION**  
ATTN: DENIS ELLIS  
10221 WINCOPIN CIRCLE, SUITE 100  
COLUMBIA, MARYLAND 21044-3410  
(410) 312-6325

**PHOENIX ENGINEERING, INC.**  
CONSULTING ENGINEERS  
817 MAIDEN CROCK LANE, SUITE 300  
BALTIMORE, MARYLAND 21220  
(410) 247-8822 FAX 247-8397

AREA  
VILLAGE OF POINTERS RUN SECTION 2, AREA 2, PHASE 2  
OPEN SPACE LOT 238  
515 ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

TITLE  
**TOT LOT #4 MORNING LIGHT TRAIL  
SITE DEVELOPMENT PLAN  
SEDIMENT CONTROL PLAN**

DES. BY: R.J.W. SCALE: AS SHOWN PTRSDP4.DWG  
DES. BY: R.B.A. DATE: MARCH 5, 1995  
DES. BY: J.H.R. SDP 95-02 5 OF 6

