

SHEET INDEX	
No.	DESCRIPTION
1	TITLE SHEET
2	PATHWAY PLAN
3	PATHWAY PLAN
4	PATHWAY PLAN
5	SEDIMENT CONTROL NOTES AND DETAILS

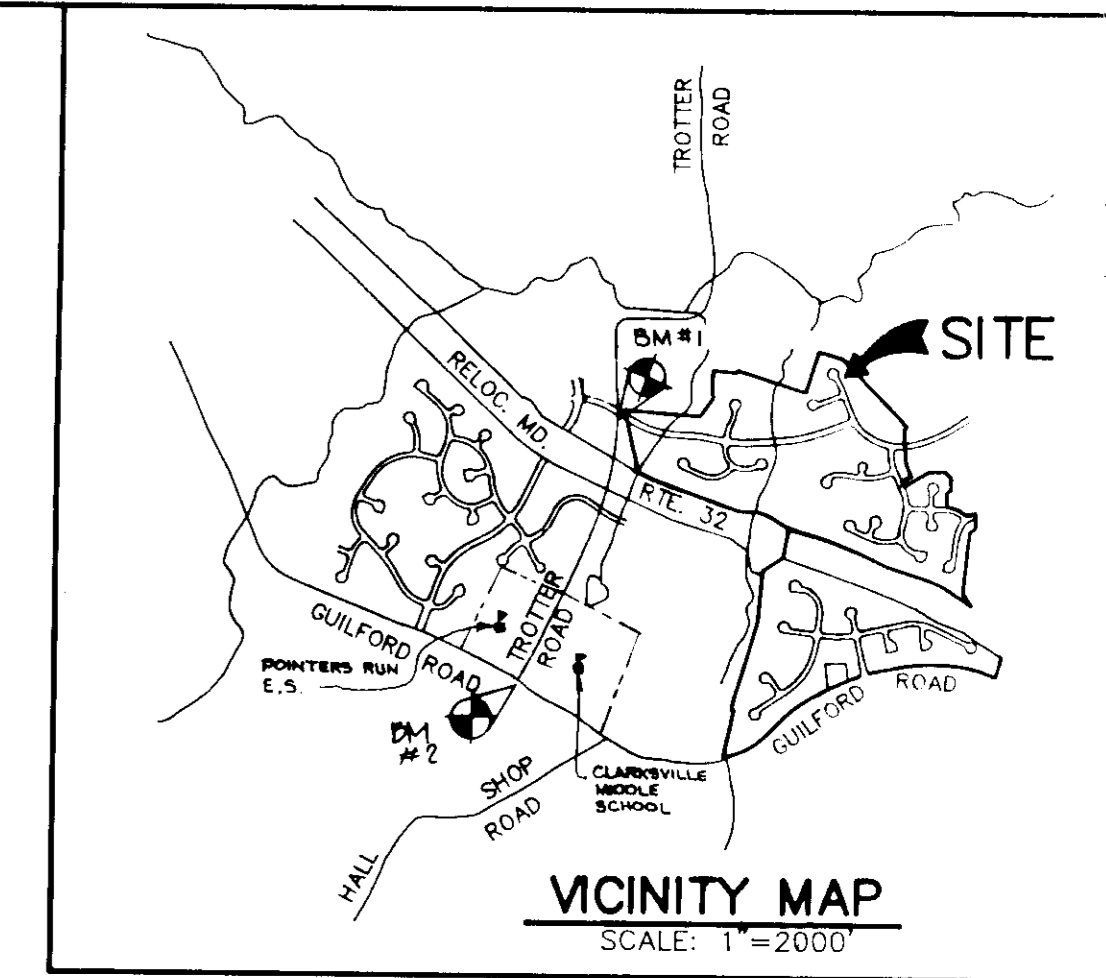
PATHWAY PLAN

VILLAGE OF RIVER HILL

POINTERS RUN

5th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



BENCHMARKS

BM #1 RAILROAD SPIKE IN POLE #525680
 TROTTER ROAD ELEV. +39.3.27
 N 496697.02 E 822026.81

BM #2 CONG. MONUMENT 0.35' BELOW EXTRACT
 AT INTERSECTION OF TROTTER ROAD AND
 GUILFORD RD #2437001. RDV. #495.96
 N 402004.975 E 820225.044

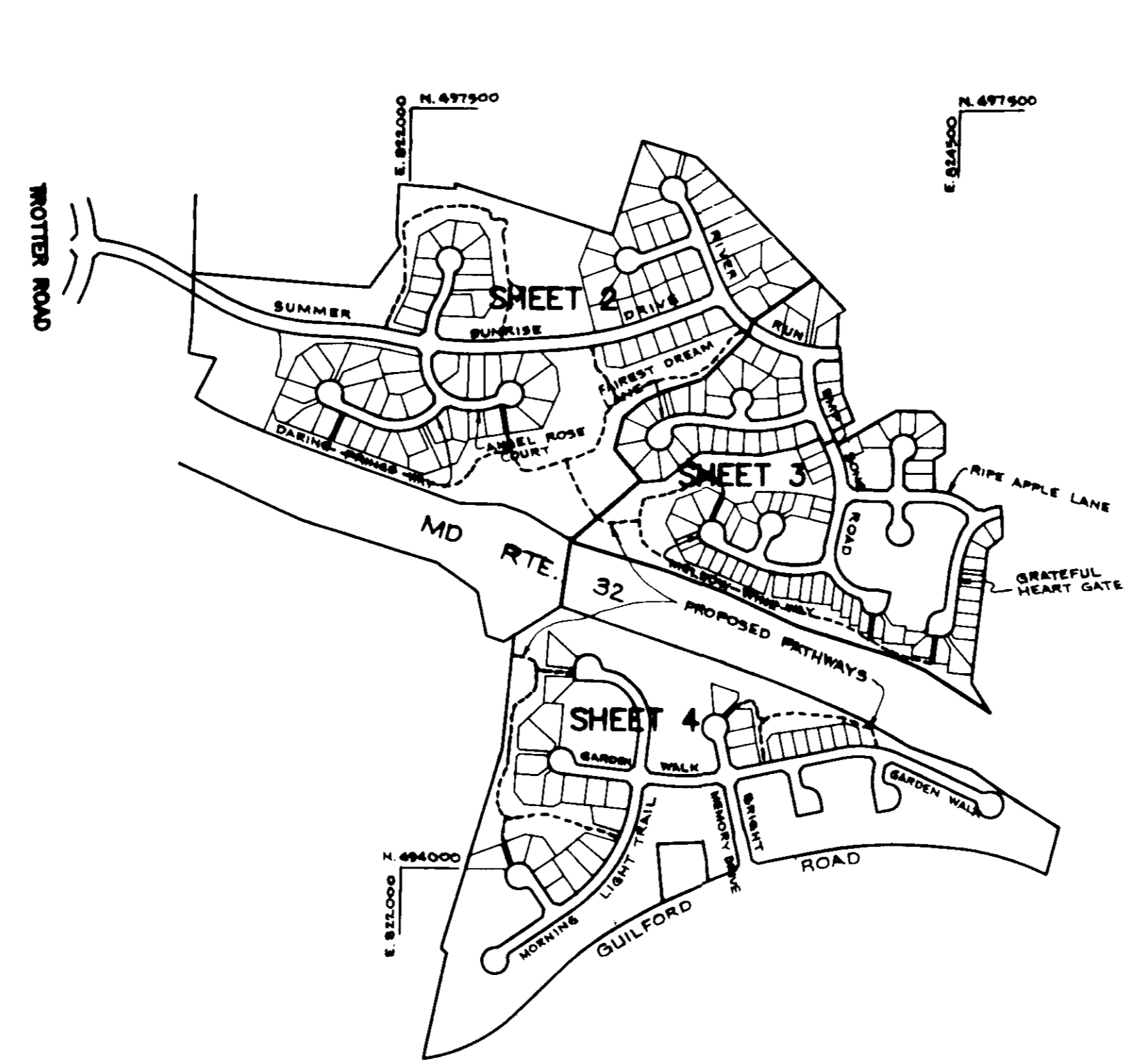
GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS M.S.H.A. STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FROM BEST AVAILABLE INFORMATION. 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.
- THE CONTRACTOR SHALL TEST ALL EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TO VERIFY THEIR LOCATION AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF LOCATION OF UTILITIES IS OTHER THAN SHOWN.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF CONSTRUCTION INSPECTION AT (410) 313-1960 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:

WES UTILITY	1-800-257-2777
OSP TELEPHONE COMPANY	725-4978
HOWARD COUNTY BUREAU OF UTILITIES	313-4800
AT&T CABLE LOCATION DIVISION	383-3553
BALTIMORE GAS & ELECTRIC COMPANY	855-0123
STATE HIGHWAY ADMINISTRATION	531-3533
- TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- TOPO. TAKEN FROM AERIAL SURVEY PREPARED BY MAPPING ASSOCIATES, INC., DATED 1985.
- VERTICAL CONTROL ESTABLISHED USING N.C. COORDINATE HORIZONTAL CONTROL ESTABLISHED FROM MARYLAND STATE COORDINATE SYSTEM.
- PREVIOUS COUNTY FILE NO.: S-01-03, P-02-15, P-02-15, P-03-10, P-03-00, P-03-01, FDP PHASE 203, PART I & II.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEGMENT AND EROSION CONTROL PRACTICES, STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER ONTO OR ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR WORK ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929.
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- WETLANDS AND FLOODPLAIN SHOWN ARE BASED ON FINAL RECORDED PLATS TITLED "VILLAGE OF RIVER HILL, SECTION 2, AREA 1" PLATS NO. 10042-10046, AND "VILLAGE OF RIVER HILL, SECTION 2, AREA 2, PHASE 1" PLATS NO. 10041-10043 & PHASE 2, PLATS NO. 10004-10007.
- 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.
- CONTRACTOR TO ALSO COMPLY WITH SEDIMENT CONTROL NOTES AS DOCUMENTED ON SHEET 5.
- THE CONTRACTOR SHALL OBTAIN THE NECESSARY BUILDING PERMITS FOR CONSTRUCTION.
- THE DEVELOPER MUST REQUEST THAT THE DEPARTMENT OF INSPECTIONS, LICENSING 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.
- STORMWATER MANAGEMENT FOR THIS SITE WAS PROVIDED BY FEE-IN-LIEU.
- MAINTENANCE OF THE PATHWAY WILL BE THE RESPONSIBILITY OF THE COLUMBIA ASSOCIATION, THE OWNER.
- ALL TREES 12 INCHES IN DIAMETER AND LARGER ARE NOT TO BE DISTURBED.

SITE ANALYSIS

TOTAL AREA OF SITE: 43.05 AC.
 PRECEDENT ZONING: NEW TOWN - OPEN SPACE
 PROPOSED USE: PATHWAY SYSTEM
 AREA OF SUBMISSION: (10 x 11,180 + 11,800 sq ft) = 2.57 AC. ±
 TOTAL LENGTH OF PATHWAY: 11,180 FT ±



PLAN
SCALE: 1"=800'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

CHIEF, DEVELOPMENT ENGINEERING DIVISION *[Signature]* 8/10/95 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH *[Signature]* 8/14/95 DATE

DIRECTOR *[Signature]* 8/15/95 DATE

DATE	NO.	REVISION

OWNER / DEVELOPER
 COLUMBIA ASSOCIATION
 10221 WINGOPIN CIRCLE
 COLUMBIA, MARYLAND 21044

PROJECT
POINTERS RUN PATHWAY

AREA
 TAX MAP 35 PARCEL 70 & 240
 5th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE
TITLE SHEET

RIEMER MUEGGE & ASSOCIATES, INC.
 Planners • Engineers • Surveyors
 8818 Centre Park Drive • Suite 200 • Columbia, Md. 21045
 410-997-8900 FAX: 410-997-9282

7-17-95
 DATE

DESIGNED BY: D.R.F.
 DRAWN BY: J.C.O./R.J.C.
 PROJECT NO.: 96900
 DATE: JULY 17, 1995
 SCALE: AS SHOWN
 DRAWING NO. 1 OF 5

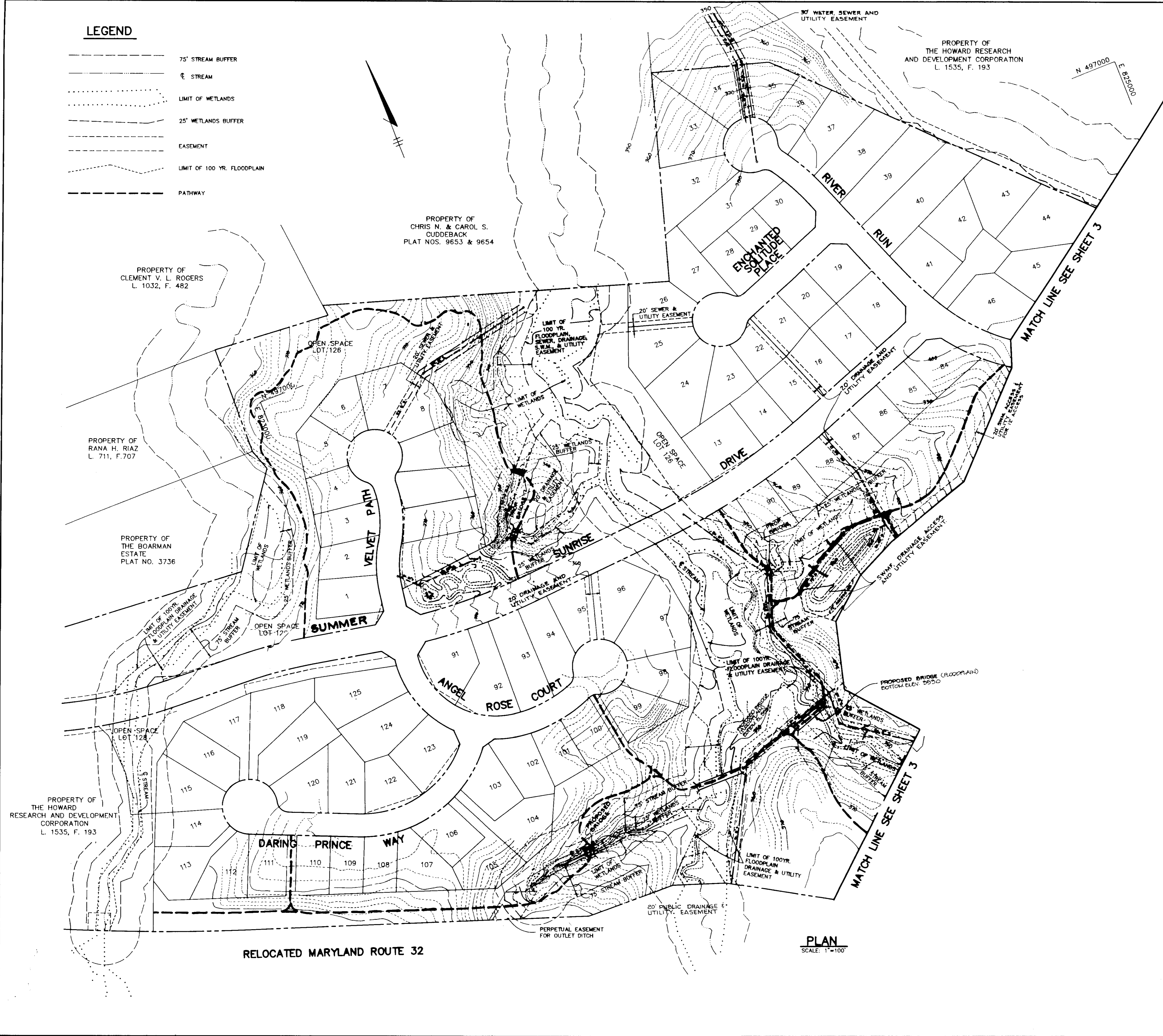
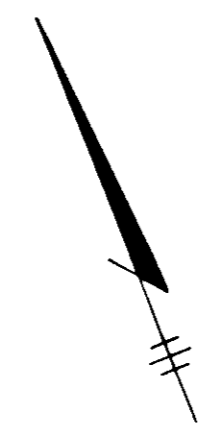
[Signature]
 JAYKANT. D. PAREKH #19148

SUBDIVISION NAME	BLK/AREA	PARCEL
VILLAGE OF RIVER HILL	2/1: 2/2	70 & 240
PLAT #	BLK	ZONE
10042-07	14	NEW TOWN
TAX MAP	35	517
ELECTION DIST.	517	6055 TR
WATER CODE	I-11: I-15	SEWER CODE: 000000 + 0658000

APPROVED
 PLANNING
 of HOWARD COUNTY
 DATE: 1 March 95

LEGEND

- 75' STREAM BUFFER
- STREAM
- LIMIT OF WETLANDS
- 25' WETLANDS BUFFER
- EASEMENT
- LIMIT OF 100 YR. FLOODPLAIN
- PATHWAY



PROPERTY OF
CHRIS N. & CAROL S.
CUDDEBACK
PLAT NOS. 9653 & 9654

PROPERTY OF
CLEMENT V. L. ROGERS
L. 1032, F. 482

PROPERTY OF
RANA H. RIAZ
L. 711, F. 707

PROPERTY OF
THE BOARMAN
ESTATE
PLAT NO. 3736

PROPERTY OF
THE HOWARD
RESEARCH AND DEVELOPMENT
CORPORATION
L. 1535, F. 193

PROPERTY OF
THE HOWARD RESEARCH
AND DEVELOPMENT CORPORATION
L. 1535, F. 193

RELOCATED MARYLAND ROUTE 32

PLAN
SCALE: 1"=100'

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

CHIEF, DEVELOPMENT ENGINEERING DIVISION *8/2/95* DATE
Uma Summery 8/14/95
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH JP DATE
 DIRECTOR *James Smith* 8/15/95 DATE

DATE NO.	REVISION

OWNER / DEVELOPER
 COLUMBIA ASSOCIATION
 10221 WINGOPIN CIRCLE
 COLUMBIA, MARYLAND 21044

PROJECT
POINTERS RUN PATHWAY

AREA
 TAX MAP 35 PARCEL 70 E 240
 6th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE
PATHWAY PLAN

RIEMER MUEGGE & ASSOCIATES, INC.
 Planners Engineers Surveyors
 8818 Centre Park Drive Suite 200 Columbia, Md. 21045
 410-997-8900 FAX: 410-997-9282

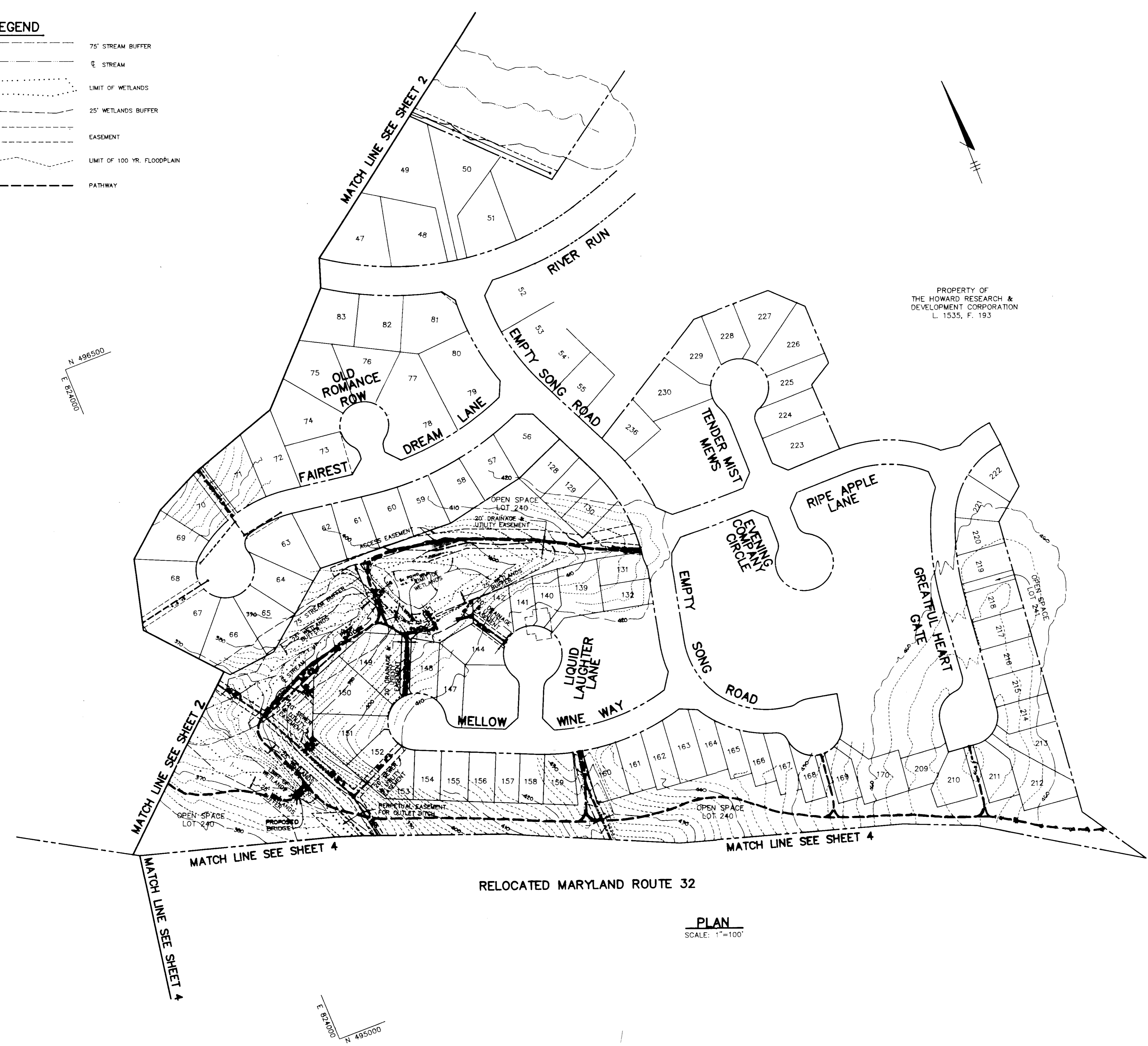
APPROVED
 DATE *1 March 95*

DATE <i>7-17-95</i>	DESIGNED BY : D.R.F.
	DRAWN BY: J.C.O./R.J.C.
	PROJECT NO : 96900
	DATE : JULY 17, 1995
	SCALE : AS SHOWN
	DRAWING NO. <u>2</u> OF <u>5</u>

J. Sanchez
 JAYKANT D. PAREKH #19148

5/20/95

- LEGEND**
- 75' STREAM BUFFER
 - ⊕ STREAM
 - LIMIT OF WETLANDS
 - - - 25' WETLANDS BUFFER
 - - - EASEMENT
 - LIMIT OF 100 YR. FLOODPLAIN
 - PATHWAY



PROPERTY OF
THE HOWARD RESEARCH &
DEVELOPMENT CORPORATION
L. 1535, F. 193

N 496500
E 827200

E 826000
N 495000

E 824000
N 495000

RELOCATED MARYLAND ROUTE 32

PLAN
SCALE: 1"=100'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
 CHIEF DEVELOPMENT ENGINEERING DIVISION 8/12/95
John Hummer 8/14/95
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH
 DIRECTOR 8/15/95

DATE	NO.	REVISION
OWNER / DEVELOPER		
COLUMBIA ASSOCIATION 10221 WINDOPIN CIRCLE COLUMBIA, MARYLAND 21044		
PROJECT		
POINTERS RUN PATHWAY		
AREA		
TAX MAP 35 PARCEL 70 & 240 8th ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
TITLE		
PATHWAY PLAN		

APPROVED
PLANNERS ENGINEERS SURVEYORS
DATE: 7/17/95
DATE: 1 March 1995

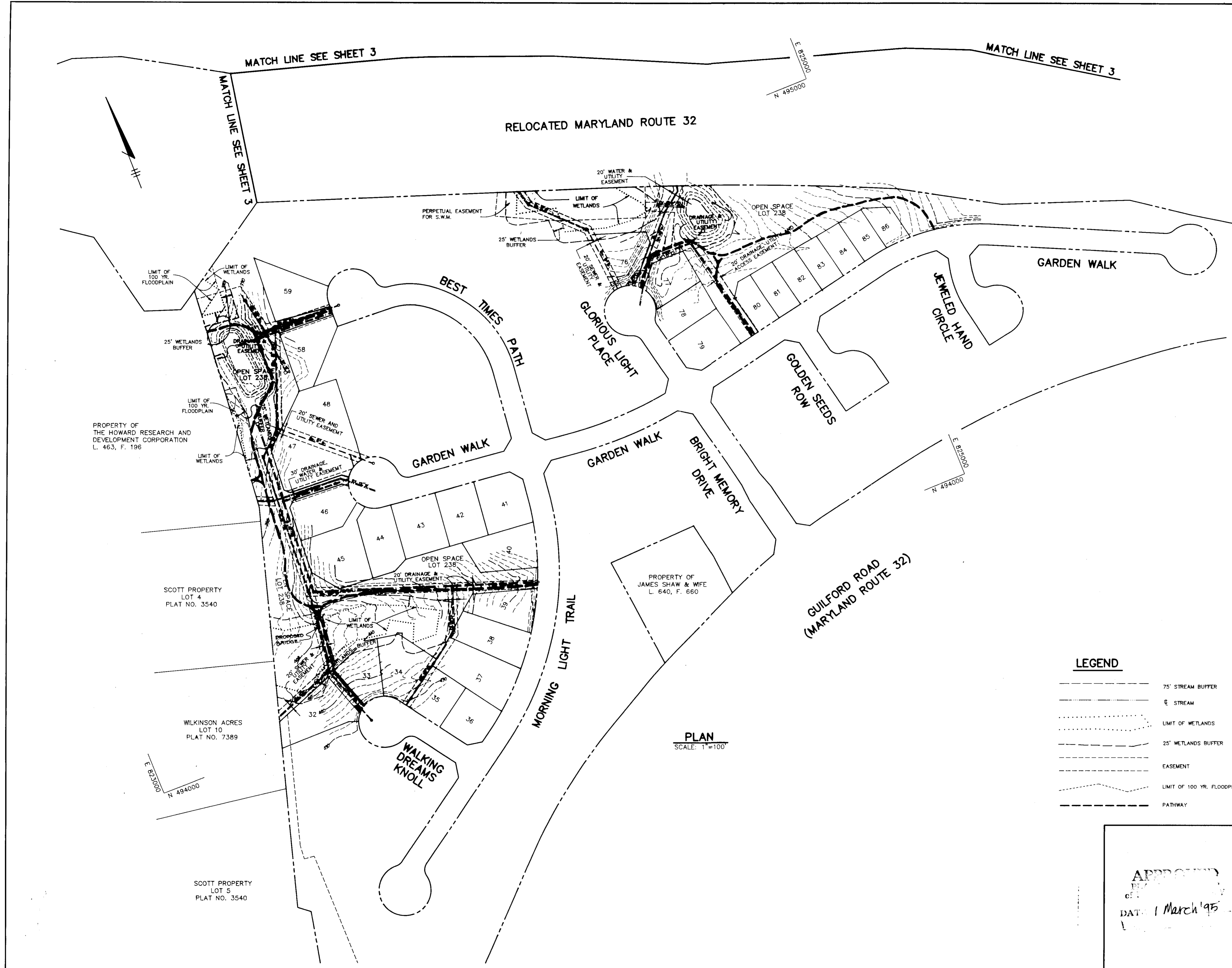
RIEMER MUEGGE & ASSOCIATES, INC.
Planners Engineers Surveyors
8018 Centre Park Drive Suite 200 Columbia, Md. 21045
410-997-8900 FAX: 410-997-9282

7/17/95
DATE

DESIGNED BY: D.R.F.
 DRAWN BY: J.C.O./R.J.C.
 PROJECT NO: 96900
 DATE: JULY 17, 1995
 SCALE: AS SHOWN
 DRAWING NO. 3 OF 5

J. Parekh
JAYKANT B. PAREKH #19148

JDP.95.11



PROPERTY OF THE HOWARD RESEARCH AND DEVELOPMENT CORPORATION L. 463, F. 196

SCOTT PROPERTY LOT 4 PLAT NO. 3540

WILKINSON ACRES LOT 10 PLAT NO. 7389

SCOTT PROPERTY LOT 5 PLAT NO. 3540

PROPERTY OF JAMES SHAW & WIFE L. 640, F. 660

PLAN SCALE: 1"=100'

LEGEND

	75' STREAM BUFFER
	STREAM
	LIMIT OF WETLANDS
	25' WETLANDS BUFFER
	EASEMENT
	LIMIT OF 100 YR. FLOODPLAIN
	PATHWAY

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
CHIEF, DEVELOPMENT ENGINEERING DIVISION	8/14/95 DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH	8/14/95 DATE
DIRECTOR	8/15/95 DATE
DATE NO.	REVISION
OWNER / DEVELOPER	
COLUMBIA ASSOCIATION 10221 WINGOPIN CIRCLE COLUMBIA, MARYLAND 21044	
PROJECT	
POINTERS RUN PATHWAY	
AREA	
TAX MAP 35 PARCEL TO # 240 8TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE	
PATHWAY PLAN	
RIEMER MUEGGE & ASSOCIATES, INC. Planners Engineers Surveyors 8818 Centre Park Drive Suite 200 Columbia, Md. 21045 410-997-8900 FAX: 410-997-9282	
7-17-95 DATE	DESIGNED BY : D.R.F.
DATE: 1 March '95	DRAWN BY: J.C.O./R.J.C.
	PROJECT NO : 96900
	DATE : JULY 17, 1995
	SCALE : AS SHOWN
J. Baell JAYKANT V. PAREKH #19148	DRAWING NO. 4 OF 5

SDP.95.1

SEDIMENT CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction (313-4900).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days on to other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around the perimeter in accordance with Vol. 1, Chapter 12, of the 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 AND EROSION 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.

7. Site Analysis:

Total Area of Site	49.9514 acres
Area Disturbed	2.5712 acres
Area to be roofed or paved	1.542 acres
Area to be vegetatively stabilized	10.920 acres
Total Cut	N/A cu.yds.
Total Fill	N/A cu.yds.

- 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.
- Site grading will begin only after all perimeter sediment control measures have been installed and are in a functioning condition.
- Sediment will be removed from traps when its depth reaches clean out elevation shown on the plans.
- Cut and fill quantities provided under site analysis do not represent bid quantities. These quantities do not distinguish between topsoil, structural fill or embankment material, nor do they reflect consideration of undercutting or removal of unutilizable material. The contractor shall familiarize himself with site conditions which may affect the work.
- BORROW SITE TO BE PRE-APPROVED BY SEDIMENT CONTROL INSPECTOR. IN CASE OF EXCESS MATERIAL, AN APPROVED SEDIMENT CONTROL PLAN WILL BE NEEDED TO DEPOSIT EXCESS OFF-SITE.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

Soil Amendments: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.).

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2-1/2 bushels per acre of annual ryegrass (3.2 lbs. per 1000 sq.ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.07 lbs. per 1000 sq.ft.). For the period 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. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 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.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

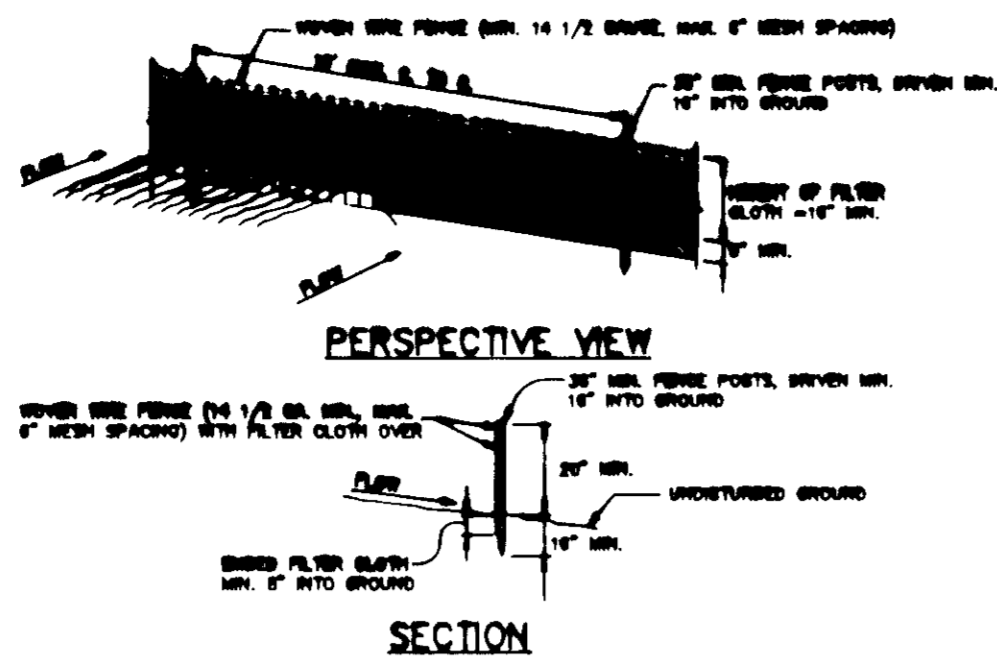
- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 urea-form fertilizer (9 lbs. per 1000 sq.ft.).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For the period March 1 thru April 30 and from August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs. per 1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (0.05 lbs. per 1000 sq.ft.) of weeping lovegrass. During the period October 16 thru February 28, protect site by one of the following options:

- 2 tons per acre of well-anchored mulch straw and seed as soon as possible in the spring.
- Use sod.
- Seed with 60 lbs. per acre Kentucky 31 Tall Fescue and mulch with 2 tons per acre well anchored straw.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs, replacements and reseedings.



PERSPECTIVE VIEW

SECTION

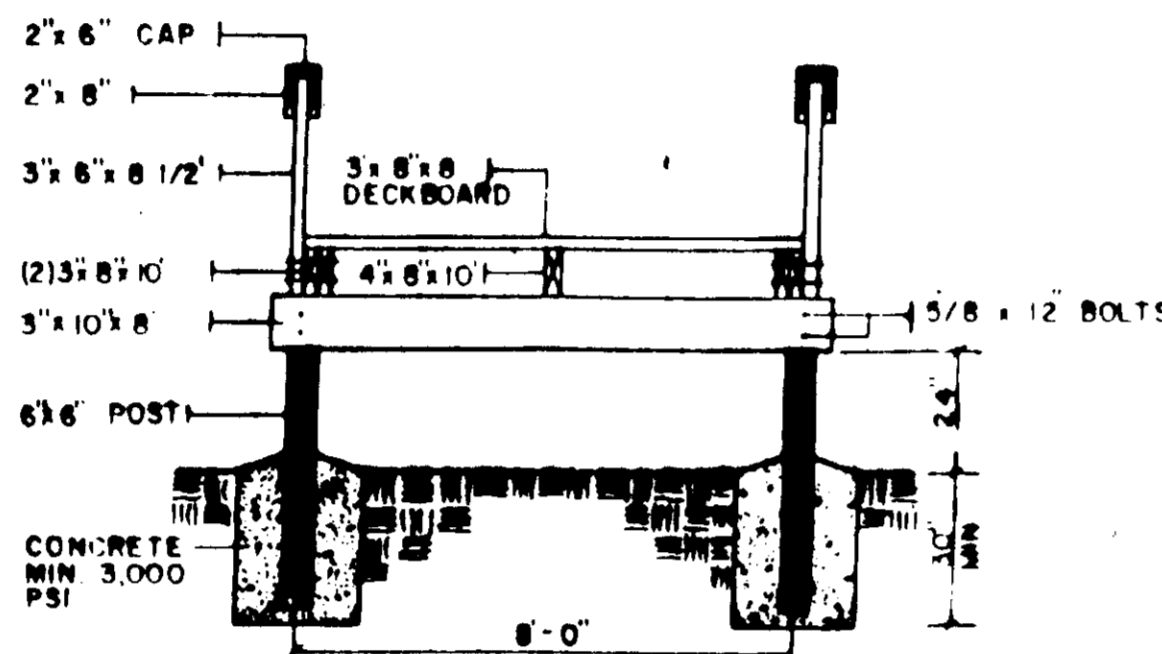
CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- REMOVE SILT FENCE TO BE REINSTALLED TO FENCE POSTS WITH 2x6 AND 2x8.
- FILTER CLOTH TO BE FASTENED TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND 24" AT BOTTOM.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 24" MINIMUM (12" AND 12") AND FUSED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BUBBLES" DEVELOP IN THE SILT FENCE.

POSTS: STEEL, EITHER 1 OR 1 1/2" TYPE OR 4" HARDWOOD.
FENCE: WOVEN WIRE, 14 GA. 1 1/2" HOLE, 14" HOLE, 14" HOLE, 14" HOLE.
FILTER CLOTH: FILTER, 5.0 MESH, 100% STABILIZED, 1/2" OR APPROVED EQUAL.
PREPARED: UNIT: GEOTEX, ENVIRONMENTAL, OR APPROVED EQUAL.

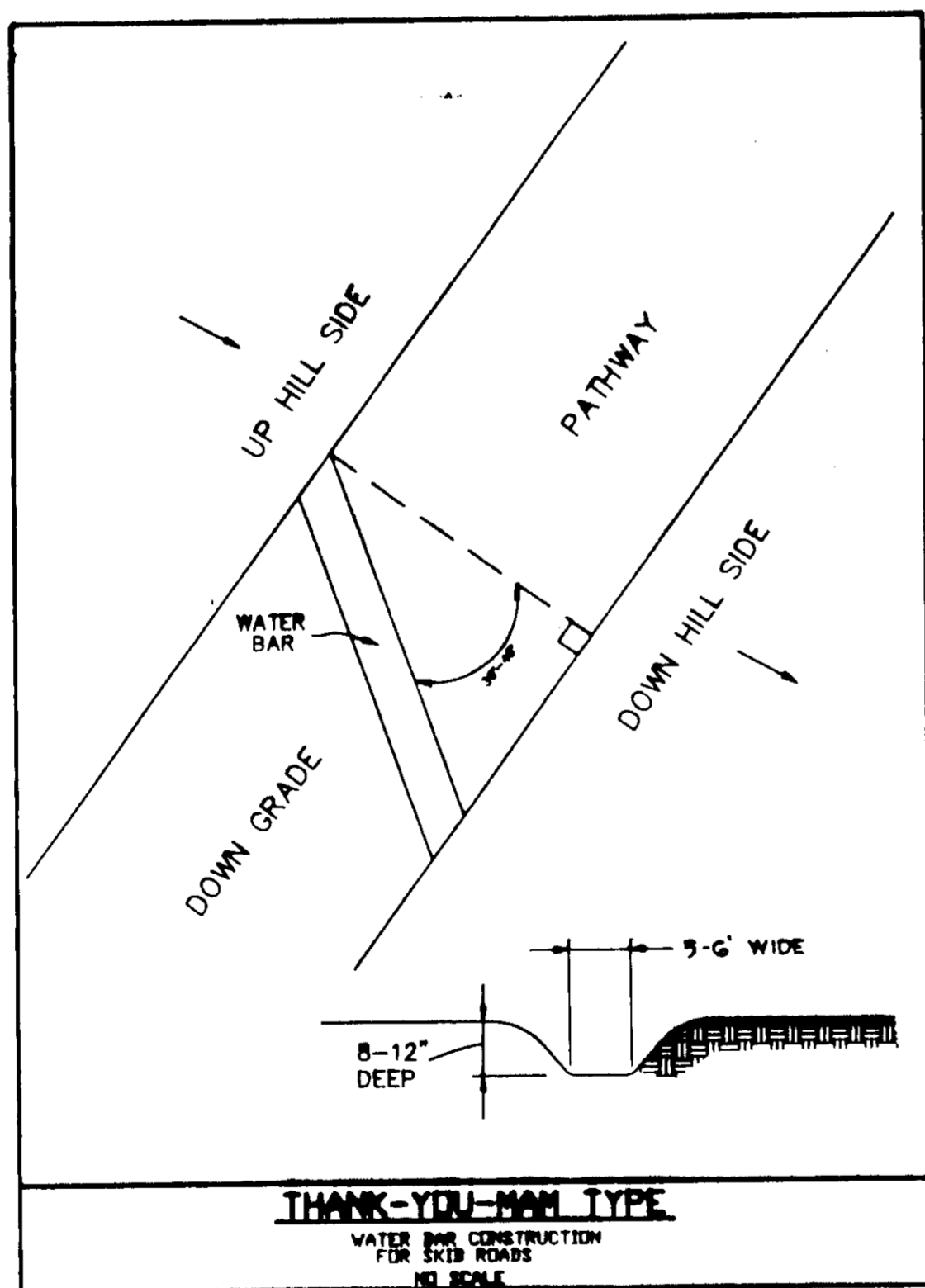
SILT FENCE DETAIL

NO SCALE



SECTION B-B FRONTVIEW BOARDWALK SECTION

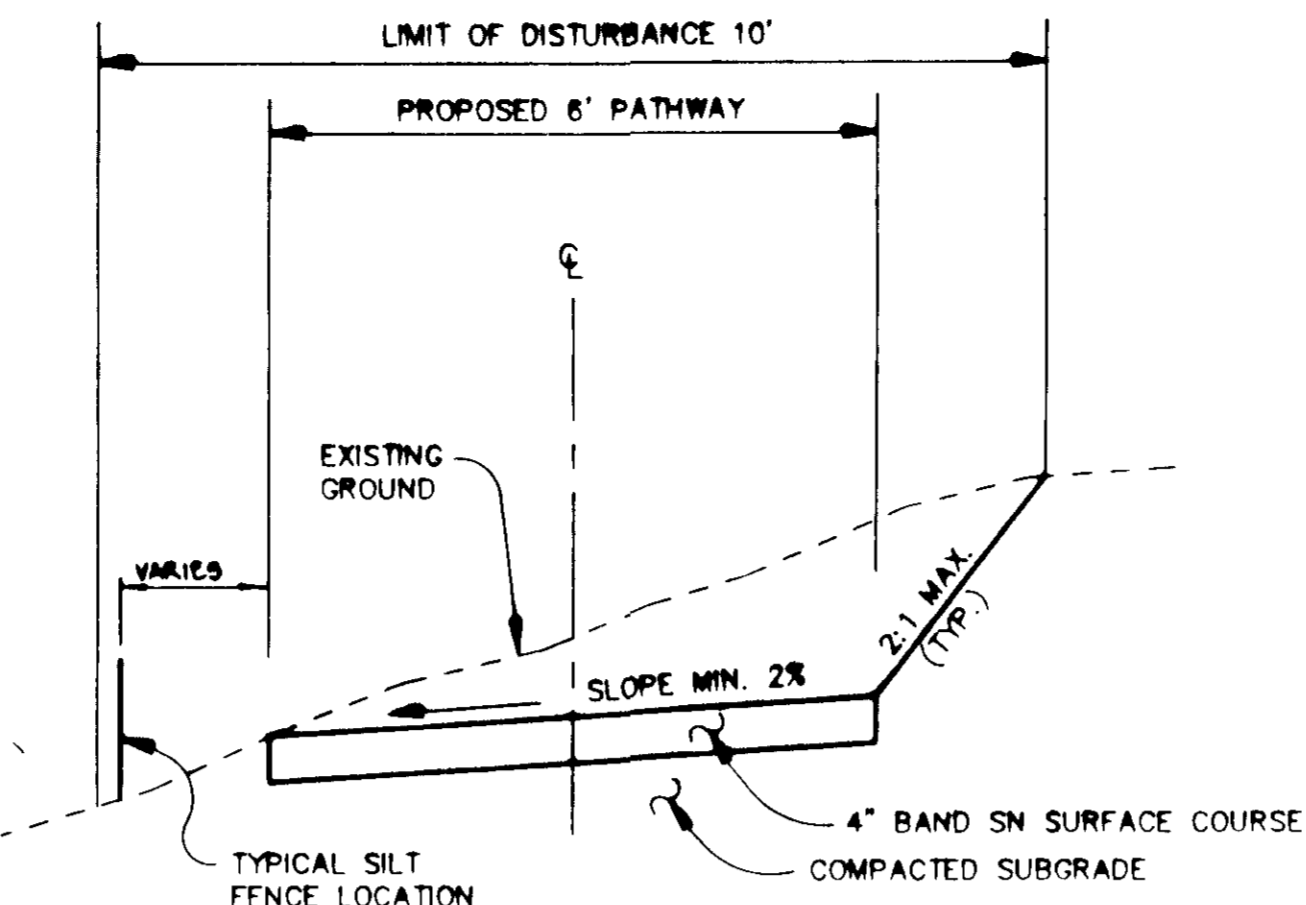
NOT TO SCALE



THANK-YOU-MAT TYPE

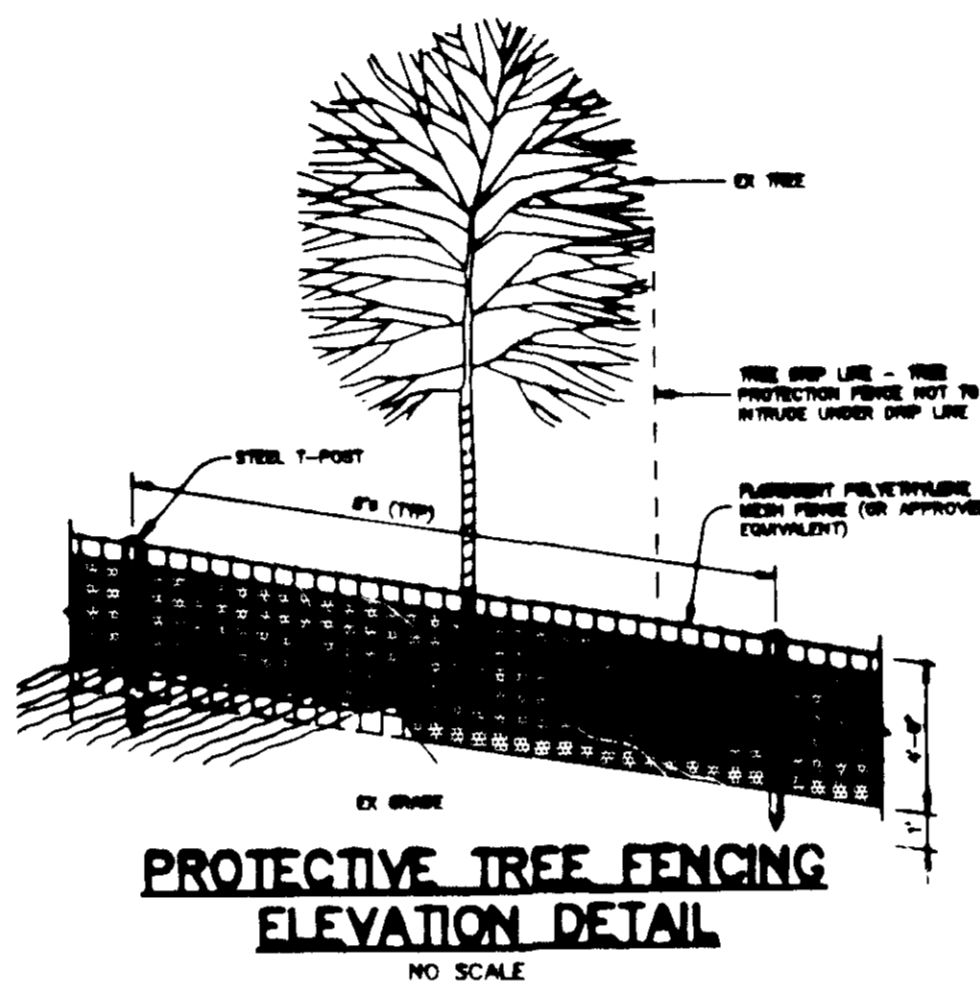
NO SCALE

NOTE: "THANK-YOU-MAT" TO BE CONSTRUCTED EVERY 100' ALONG PATHWAY.



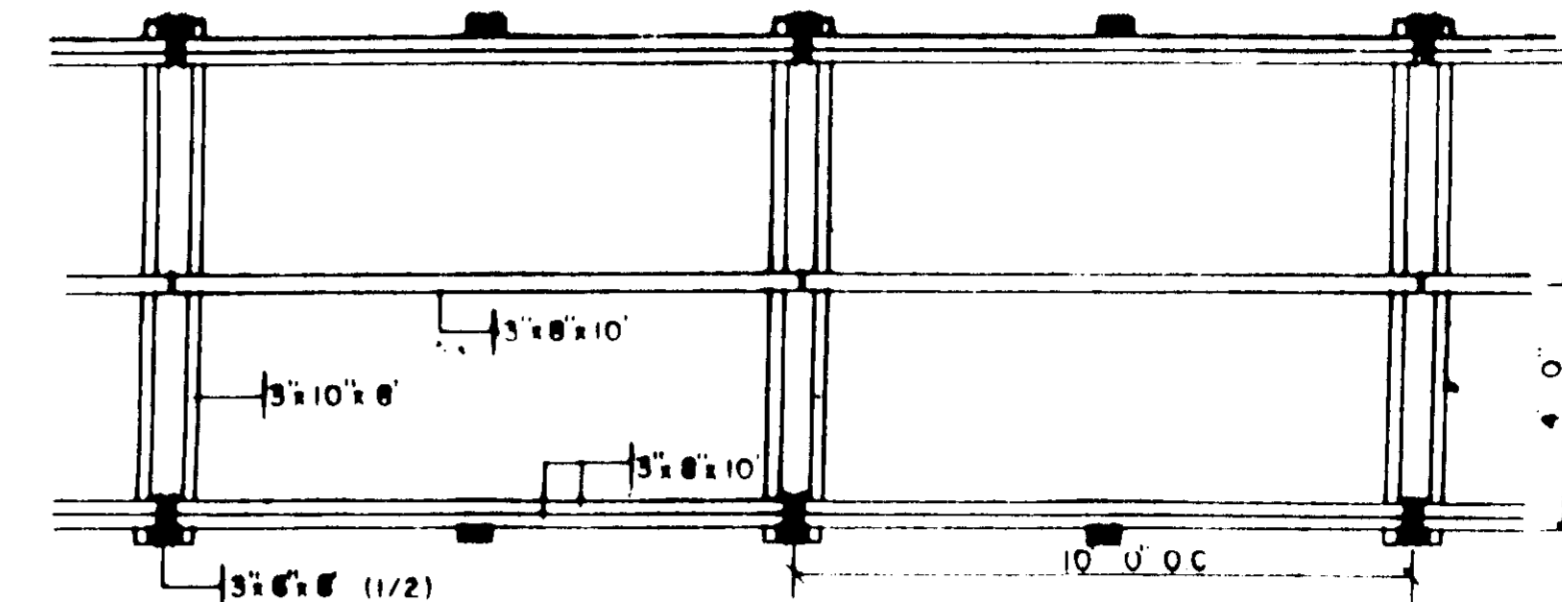
TYPICAL PATHWAY CROSS SECTION

NO SCALE



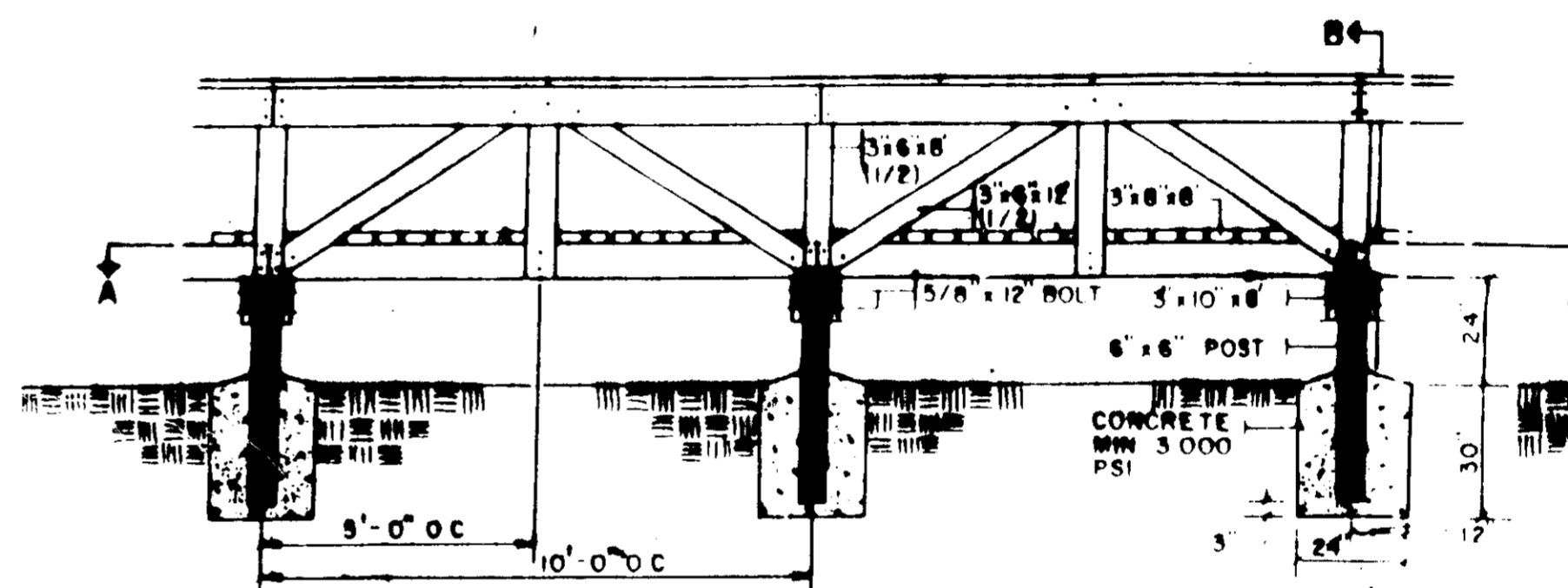
PROTECTIVE TREE FENCING ELEVATION DETAIL

NO SCALE



SECTION A-A BOARDWALK FRAMING PLAN

NOT TO SCALE



SIDEVIEW BOARDWALK ELEVATION

NOT TO SCALE

NOTE:

- THE BRIDGE AND BOARDWALK DETAILS SHOWN ON THIS PLAN ARE MINIMUM STANDARDS AND WERE SUPPLIED BY COLUMBIA RECREATION AND PARK ASSOCIATION. THEY ARE NOT SITE SPECIFIC AND THEREFORE SHALL NOT BE USED FOR CONSTRUCTION PURPOSES.
- D.P.W. REVIEWS BRIDGE AND BOARDWALK DRAWINGS FOR LINE GRADE AND FLOODPLAIN IMPACT ONLY. DEPARTMENT OF INSPECTIONS/LICENSES AND PERMITS PERFORMS RELATED STRUCTURAL REVIEW.
- FOR THE TWO BRIDGES IN THE FLOODPLAIN, THE ABUTMENT IS TO BE LOCATED OUT OF THE FLOODPLAIN.

CONSTRUCTION NOTES:

- ALL LUMBER SHALL BE 60 C.C.A. TREATED SOUTHERN YELLOW PINE #2 OR BETTER S4S MIN STRESS GRADE, 1200 PSI.
- ALL HARDWARE SHALL BE HOT DIPPED GALVANIZED.

1 March '95

SEQUENCE OF CONSTRUCTION

- OBTAIN A GRADING PERMIT AND ALL OTHER NECESSARY PERMITS. (12 Weeks)
- INSTALL SILT FENCE ALONG THE PATHWAY SECTION TO BE CONSTRUCTED. (12 Weeks)
- BEGIN CLEARING AND GRUBBING FOR PATHWAY CONSTRUCTION. ALL TREES 12 INCHES IN DIAMETER OR LARGER SHOULD BE PROTECTED AND UNDISTURBED. (12 Weeks)
- COMPACT SUBGRADE AND INSTALL PATHWAY. (12 Weeks)
- UPON THE APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES. (2 Days)

BY THE DEVELOPER:

I/WE 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 DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

DEVELOPER: *Dennis A. Ellis* DATE: 7/19/95

BY THE ENGINEER:

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

ENGINEER: *J. Larell* DATE: 7-17-95

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

Patricia Egan DATE: 7/24/95
U.S. SOIL CONSERVATION SERVICE

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

John R. Polston DATE: 7/24/95
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James J. Smith DATE: 8/6/95
CHIEF DEVELOPMENT ENGINEERING DIVISION

Uma S. Williams DATE: 8/14/95
CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH

James J. Smith DATE: 8/15/95
DIRECTOR

DATE	NO.	REVISION

OWNER / DEVELOPER
COLUMBIA ASSOCIATION
10221 WINGOPIN CIRCLE
COLUMBIA, MARYLAND 21044

PROJECT
POINTERS RUN PATHWAY

AREA
TAX MAP 95 PARCEL TO E 240
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE
SEDIMENT CONTROL NOTES AND DETAILS

RIEMER MUEGGE & ASSOCIATES, INC.
Engineers - Surveyors
8018 Centre Park Drive - Suite 200 - Columbia, Md. 21045
410-997-8900 FAX: 410-997-9282

DATE: 7-17-95
DESIGNED BY: D.R.F.
DRAWN BY: R.J.C.
PROJECT NO.: 96900
DATE: JULY 17, 1995
SCALE: AS SHOWN
DRAWING NO. 5 OF 5

J. Larell
MARKET & PARKWAY # 19148

20P-95-11