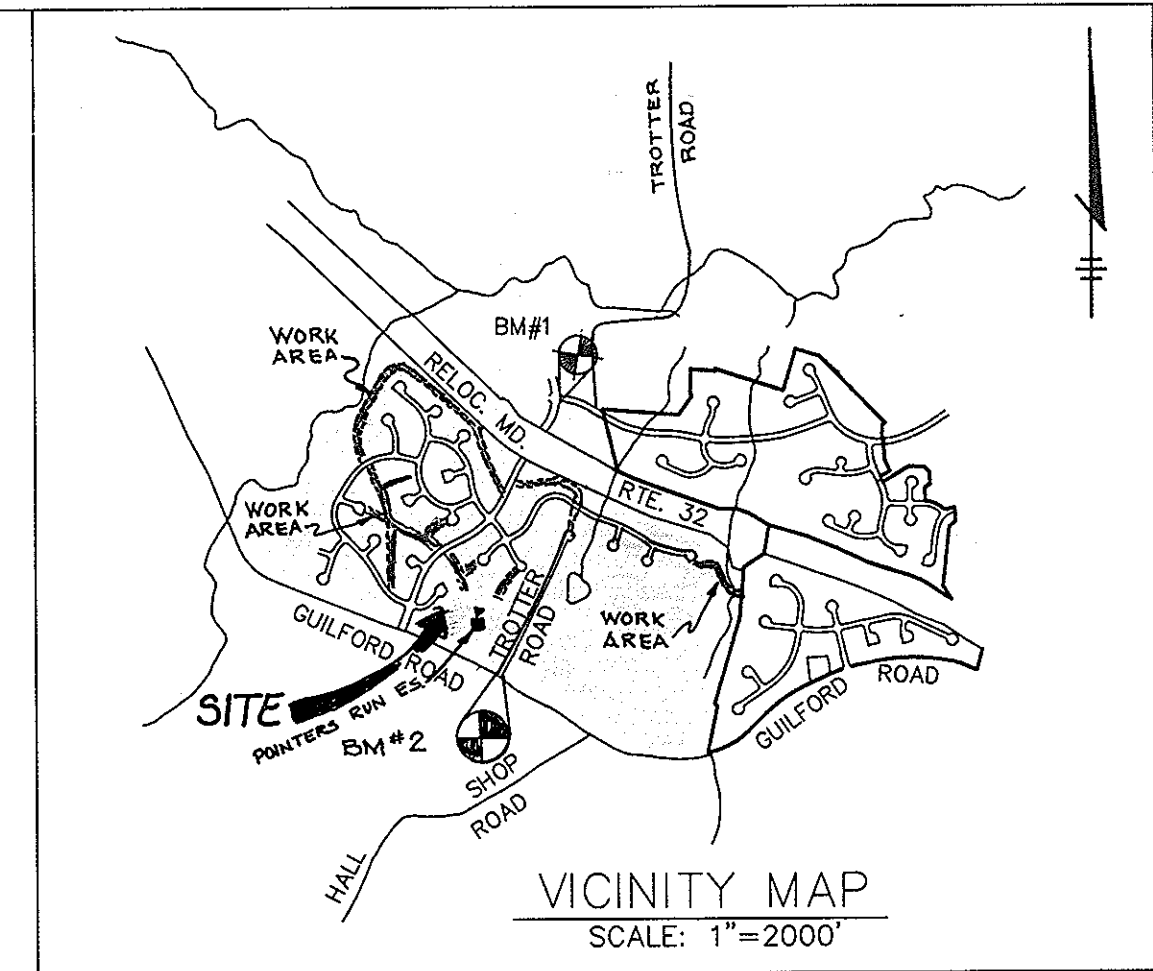


SHEET INDEX

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 II 5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND



BENCHMARKS

BM#1 RAILROAD SPIKE IN POLE #525680
TROTTER ROAD ELEV. 393.27
N 496697.02 E 822026.81

BM#2 CONG. MONUMENT 0.33' BELOW SURFACE
AT INTERSECTION OF TROTTER ROAD AND
GUILFORD ROAD #2437001 ELEV.=465.56
N 493904.975 E 820955.044

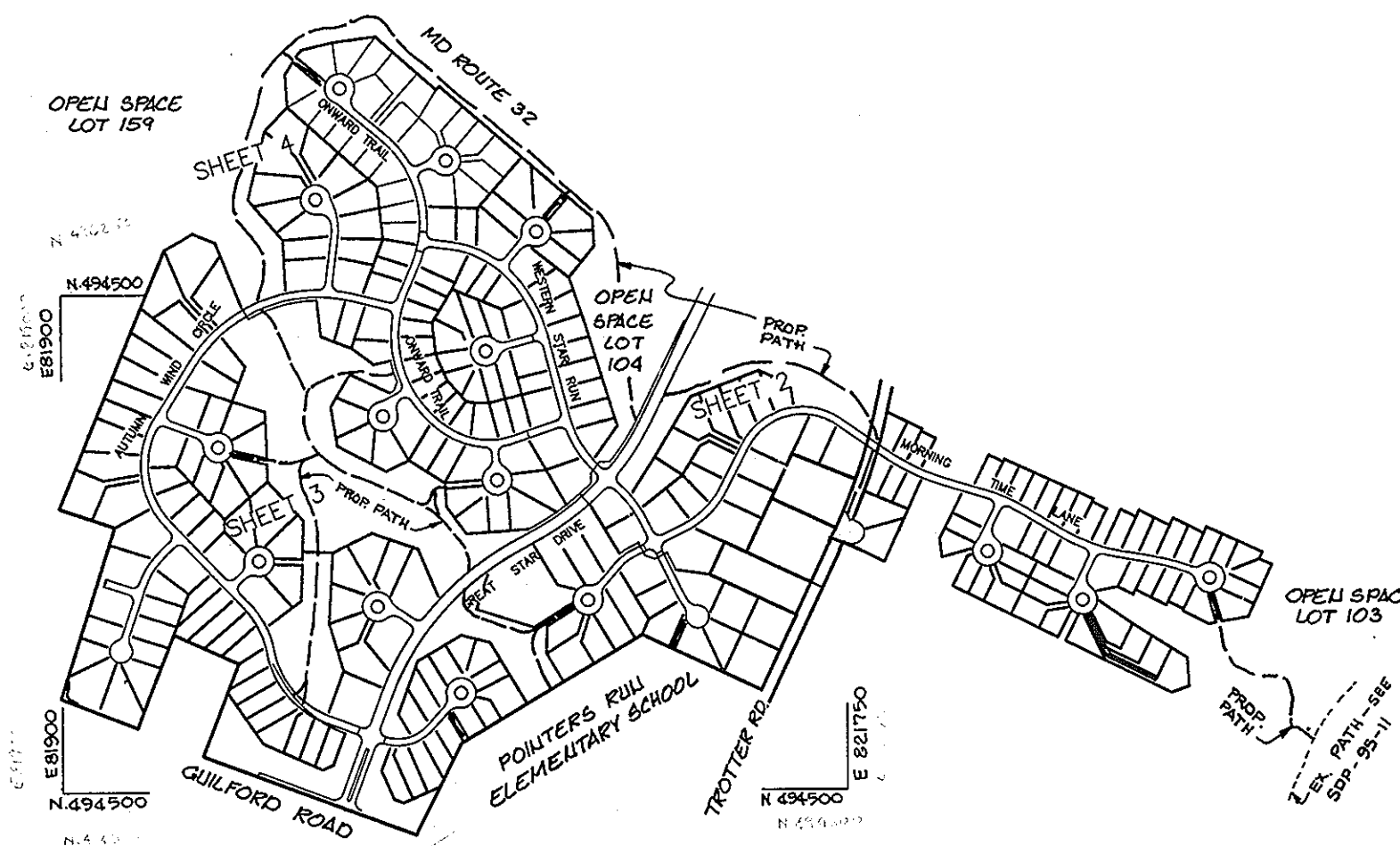
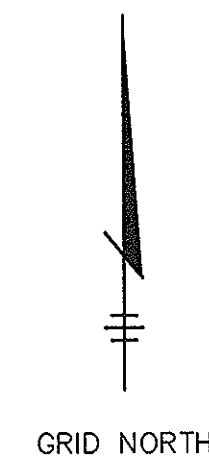
GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS M.S.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 PIT 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) 313-1860 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:

MISS. UTILITY	1-800-257-7777
OSP TELEPHONE COMPANY	722-9976
HOWARD COUNTY BUREAU OF UTILITIES	313-4900
AT&T CABLE LOCATION DIVISION	383-3553
BALTIMORE GAS & ELECTRIC COMPANY	885-0123
STATE HIGHWAY ADMINISTRATION	531-9533
- TRAFFIC CONTROL DEVICES, MARKINGS & SIGNINGS 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 AND EXISTING UTILITIES SHOWN TAKEN FROM FIELD RUN SURVEY DATED SEPT. 1990, BY RIEMER MUEGGE AND ASSOCIATES, INC. AND AS-BUILT DRAWINGS.
- VERTICAL CONTROL ESTABLISHED USING HO. CO. MONUMENT HORIZONTAL CONTROL ESTABLISHED FROM MARYLAND STATE COORDINATE SYSTEM.
- PREVIOUS COUNTY FILE NO.: P-84-01, P-84-23, P-85-13, F-84-01, F-84-108, F-85-46, F-85-74, F-85-84, F-85-127, **FDP209-A-1 PE, II & FDP209-PE, II**
- 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 WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- THE PAVEMENT DETAILS SHOWN ON THESE PLANS REFLECT THE HOWARD COUNTY MINIMUM STANDARD PAVEMENT SECTIONS AND ARE NOT BASED ON SITE SPECIFIC CONDITIONS. PRIOR TO PAVING THE FINAL PAVEMENT SECTIONS SHALL BE DETERMINED BY A QUALIFIED GEOTECHNICAL ENGINEER BASED ON IN-SITU TESTING OF THE FINISHED SUBGRADE. ANY PAVEMENT SECTION DETERMINED BY THE GEOTECHNICAL ENGINEER THAT IS LESS THAN THE HOWARD COUNTY MINIMUM STANDARD, SHALL FIRST BE APPROVED BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. THE TESTING AND GEOTECHNICAL ENGINEER SHALL BE FURNISHED BY THE OWNER.
- ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND C.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 RECORD PLATS TITLED "VILLAGE OF RIVER HILL SECTION 2, AREA 3, PLATS NO. 11299-11304, AND "VILLAGE OF RIVER HILL, SECTION 2, AREA 4, PLATS NO. 11466-11473.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- THE PATHWAYS SHOWN ARE APPROXIMATE ACTUAL LOCATION IS TO BE DETERMINED IN THE FIELD TO REDUCE IMPACTS TO EXISTING VEGETATION.

SITE ANALYSIS

TOTAL AREA OF SITE: 151.69 AC.
PRESENT ZONING: NEW TOWN
PROPOSED USE: PATHWAY SYSTEM
AREA OF SUBMISSION: (10'x9,540' = 95,400 SQ. FT.) = 2.19 AC.
TOTAL LENGTH OF PATHWAY: 9,540'



PLAN
SCALE: 1"=600'

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Mark V. Taylor 4/12/96
DIRECTOR DATE

Chris Demmus 8/12/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION, DATE

Quin Jankant 8/16/96
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

DATE NO. REVISION

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

PROJECT
POINTERS RUN PATHWAY II

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
410-997-8800 FAX: 410-997-9282

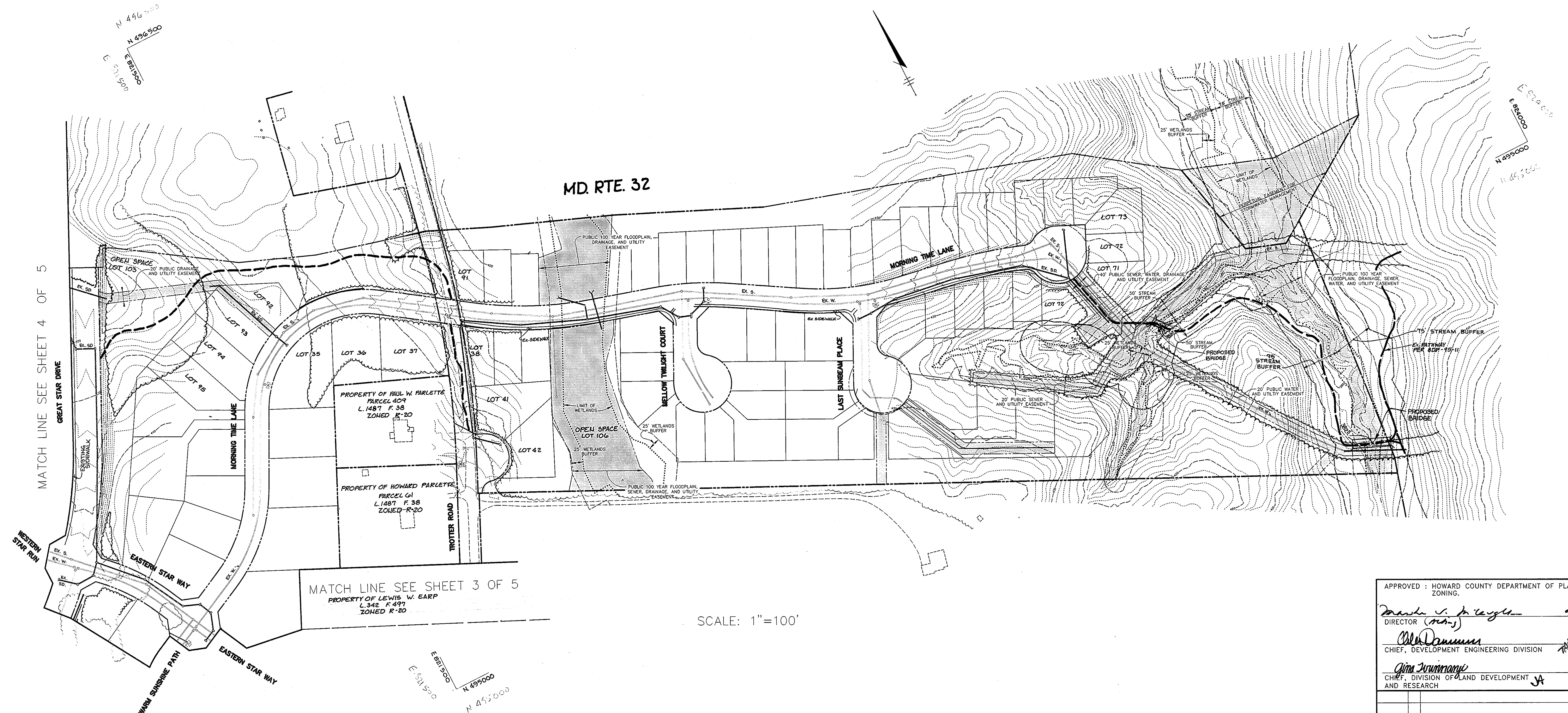
4.20.96
DATE

DESIGNED BY : D.R.F.
DRAWN BY: B.L.W.
PROJECT NO : 96900
DATE : MAY 16, 1996
SCALE : AS SHOWN
DRAWING NO. 1 OF 5

J. Sarekh
JAYKANT D. PAREKH #19148

APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE 15 Feb. 1996

SUBDIVISION NAME - VILLAGE OF RIVER HILL		SECT./AREA - 2/3 & 2/4	PARCEL - 70 & 240
PLAT # - 11299-304 11466-73	BLOCK # - 14	ZONING - NEW TOWN	TAX MAP NO. - 35
WATER CODE - I-11 & I-15		SEWER CODE - 6653000 & 6652500	REACT. DIST. - 5TH
			CENSUS TRACT - 6055



MD. RTE. 32

MATCH LINE SEE SHEET 4 OF 5

MATCH LINE SEE SHEET 3 OF 5

SCALE: 1"=100'

PROPERTY OF EDWARD RESEARCH AND DEVELOPMENT CORP. L.1535 F.198 ZONED H.T.

PROPERTY OF EDWARD RESEARCH AND DEVELOPMENT CORP. L.1535 F.193 ZONED H.T.

- LEGEND**
- 75' STREAM BUFFER & STREAM
 - 25' WETLANDS BUFFER
 - LIMIT OF WETLANDS
 - EASEMENT
 - 100 YR. FLOODPLAIN
 - PATHWAY
 - FUTURE TOT LOTS
 - PROPOSED BRIDGE
 - EX. TREE LINE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Mandi S. Pauley 8/10/96
DIRECTOR (M.S.) DATE

W.D. Danner 8/12/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Jim Trummery 8/16/96
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

DATE NO. REVISION

OWNER / DEVELOPER

COLUMBIA ASSOCIATION
10221 WINCOPIN CIRCLE
COLUMBIA, MARYLAND 21044

PROJECT
POINTERS RUN PATHWAY II

AREA TAX MAP NO. 35 PARCEL 70 & 240
5TH 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
PLANNING BOARD
of HOWARD COUNTY
DATE 15 Feb. 1996

4.26.96
DATE

J. Larell
JAYKANT D. PAREKH #19148

DESIGNED BY : J.T.D.
DRAWN BY : B.L.W. / R.J.C.
PROJECT NO : 95H107800
DATE : MAY 16, 1996
SCALE : AS SHOWN
DRAWING NO. 2 OF 5

MATCH LINE SEE SHEET 2 OF 5

MATCH LINE SEE SHEET 4 OF 5



LEGEND

- 75' STREAM BUFFER
- & STREAM
- 25' WETLANDS BUFFER
- LIMIT OF WETLANDS
- EASEMENT
- 100 YR. FLOODPLAIN
- PATHWAYS
- FUTURE TOT LOTS
- PROPOSED BRIDGE
- EX. TREE LINE

PROPERTY OF JAMES F. AND ESTHER S. RETTGER L. 525 F. 230

PROPERTY OF DONALD PARLETTE L. 290 F. 353

PROPERTY OF WILLIAM PARLETTE PARCEL 60 L. 585 F. 285 ZONED R-20

POINTERS RUN ELEMENTARY SCHOOL LOT 1 PLAT 8922 ZONED NEW TOWN

SCALE: 1" = 100'

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Mark C. Taylor 1/10/96
 DIRECTOR DATE
Alan Danner 2/12/96
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE
Gina Scrimmace 8/16/96
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

DATE NO. REVISION

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

PROJECT
POINTERS RUN PATHWAY II

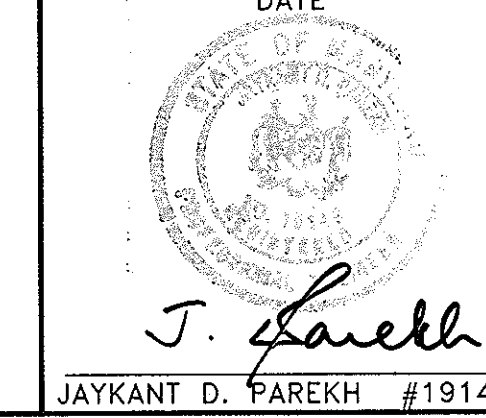
AREA TAX MAP NO. 35 PARCEL 70 & 240
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE
PATHWAY PLAN

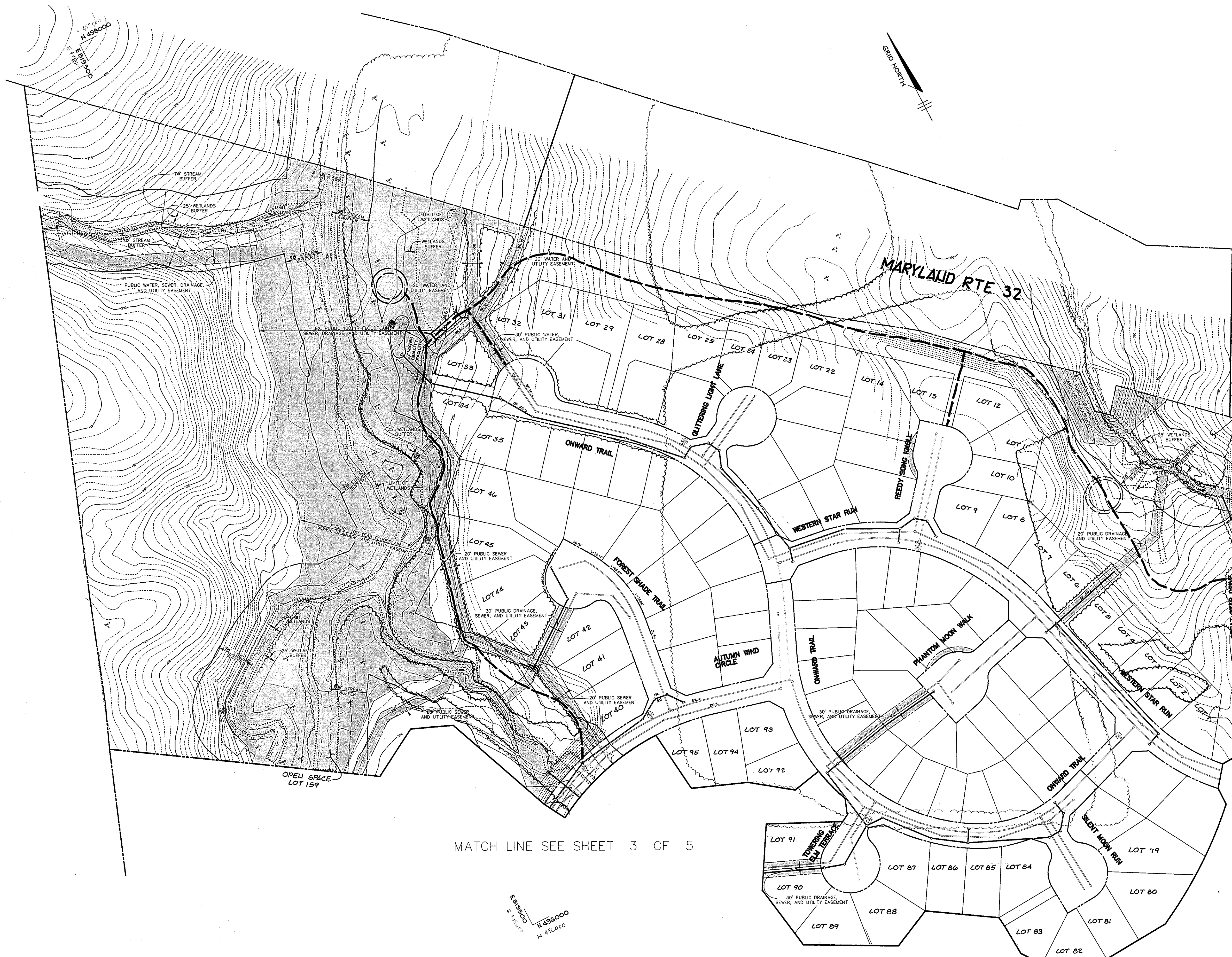
RIEMER MUEGGE & ASSOCIATES, INC.
 Planners • Engineers • Surveyors
 8818 Centre Park Drive • Suite 200 Columbia, Md 21045
 410-997-8900 FAX: 410-997-9282

APPROVED
 PLANNING BOARD
 of HOWARD COUNTY
 DATE 15 Feb. 1996

4.26.96
 DATE
 DESIGNED BY: J.T.D.
 DRAWN BY: B.L.W. /R.J.C.
 PROJECT NO: 95H107800
 DATE: MAY 16, 1996
 SCALE: AS SHOWN
 DRAWING NO. 3 OF 5



SDP - 96 - 05



LEGEND

- 75' STREAM BUFFER & STREAM
- 25' WETLANDS BUFFER
- LIMIT OF WETLANDS
- EASEMENT
- 100 YR. FLOODPLAIN PATHWAYS
- FUTURE TOT LOTS
- PROPOSED BRIDGE
- EX. TREE LINE

MARYLAUD RTE 32

MATCH LINE SEE SHEET 2 OF 5

MATCH LINE SEE SHEET 3 OF 5

SCALE: 1"=100'

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

David K. Pyle 4/10/96
DIRECTOR DATE

Alan Dammus 4/12/96
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Jim Hummer 8/16/96
CHIEF, DIVISION OF LAND DEVELOPMENT & RESEARCH DATE

DATE	NO.	REVISION
OWNER / DEVELOPER		
COLUMBIA ASSOCIATION 10221 WINCOPIN CIRCLE COLUMBIA, MARYLAND 21044		
PROJECT		
POINTERS RUN PATHWAY II		
AREA	TAX MAP NO. 35	PARCEL 70 & 240
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
TITLE		
PATHWAY PLAN		

RIEMER MUEGGE & ASSOCIATES, INC.
Planners • Engineers • Surveyors
8818 Centre Park Drive • Suite 200 Columbia, Md 21045
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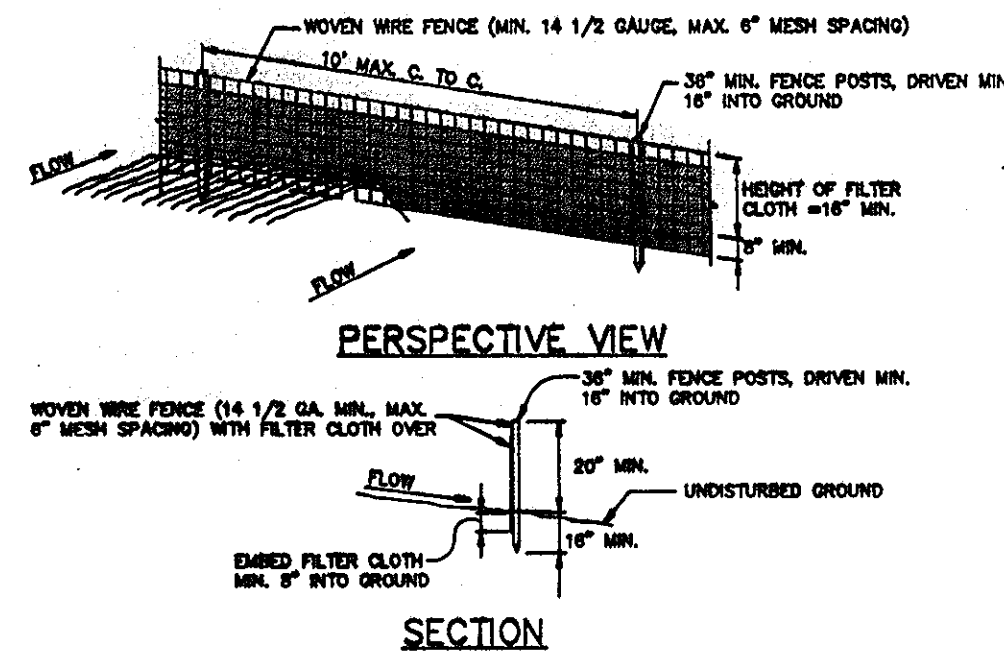
APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE 15 Feb 1996

<u>4.26.96</u> DATE	DESIGNED BY : J.T.D.
	DRAWN BY: B.L.W. /R.J.C.
<i>J. Parekh</i> JAYKANT D. PAREKH #19148	PROJECT NO : 95H107800
	DATE : MAY 16, 1996
	SCALE : AS SHOWN
	DRAWING NO. <u>4</u> OF <u>5</u>

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 (33-4900).
- 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 as 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.
- Site Analysis:

Total Area of Site	10.52 acres
Area Disturbed	0.47 acres
Area to be roofed or paved	2.25 acres
Area to be vegetatively stabilized	0.10 acres
Total Cut	0 cu.yds.
Total Fill	0 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 unsuitable 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, ADDITIONAL SEDIMENT CONTROL PLAN WILL BE NEEDED TO DEPOSIT EXCESS OFF-SITE.

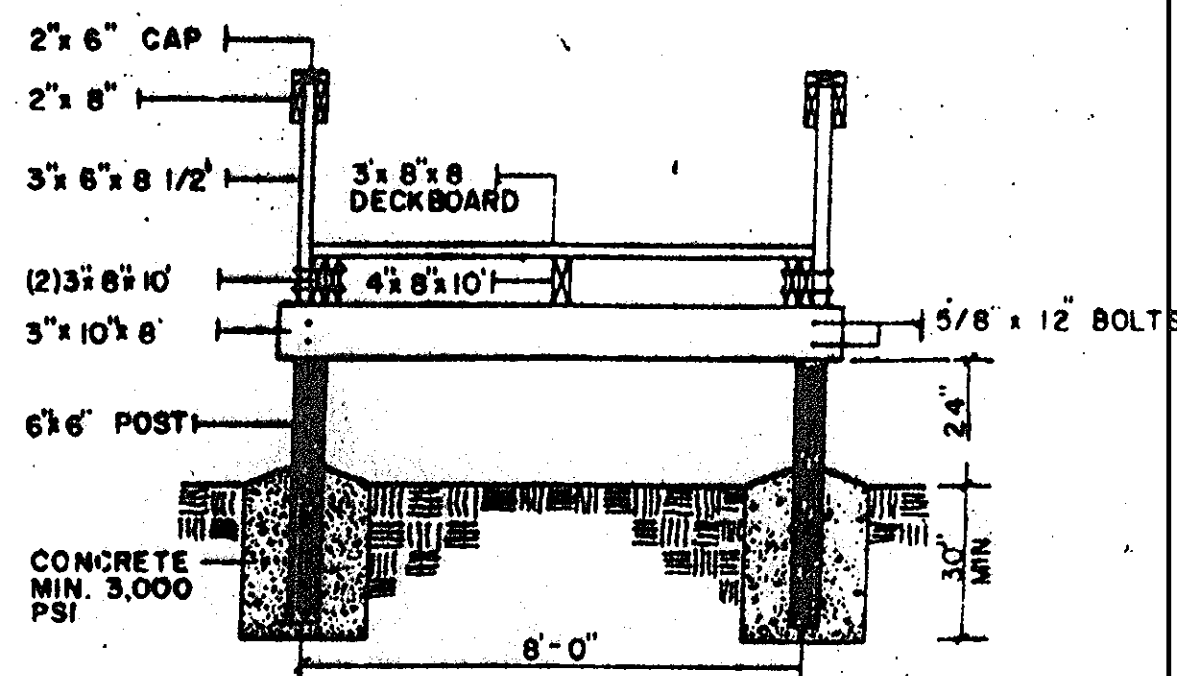


- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES AND STAPLES.
 - FILTER CLOTH TO BE FASTENED TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES (6") AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULDS" DEVELOP IN THE SILT FENCE.

POSTS: STEEL, EITHER T OR U TYPE OR 2" HARDWOOD.
 FENCE: WOVEN WIRE, 1 1/2 GA. 6" MAX. MESH OPENING.
 FILTER CLOTH: FILTER 1 MESH 100K, STABILIZED TYPON OR APPROVED EQUAL.
 PREFABRICATED UNIT: GEOTAF, ENVIRONMENT, OR APPROVED EQUAL.

SILT FENCE DETAIL

NO SCALE



SECTION B-B FRONTVIEW BOARDWALK SECTION

NOT TO SCALE

TEMPORARY SEEDING NOTES

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

Seedbed Preparation: Loosen upper three inches of soil by raking, disking 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.

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

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

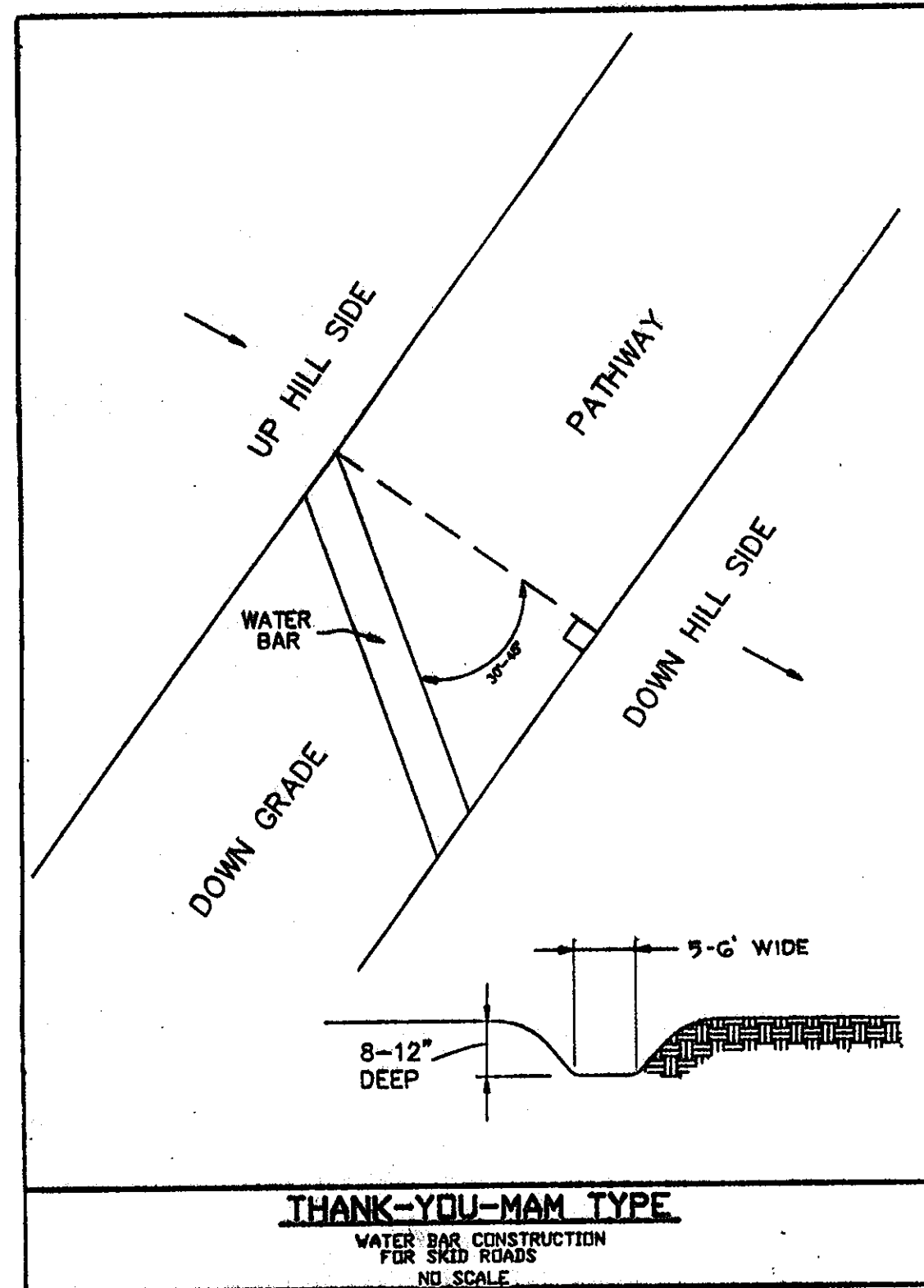
- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs. per 1000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

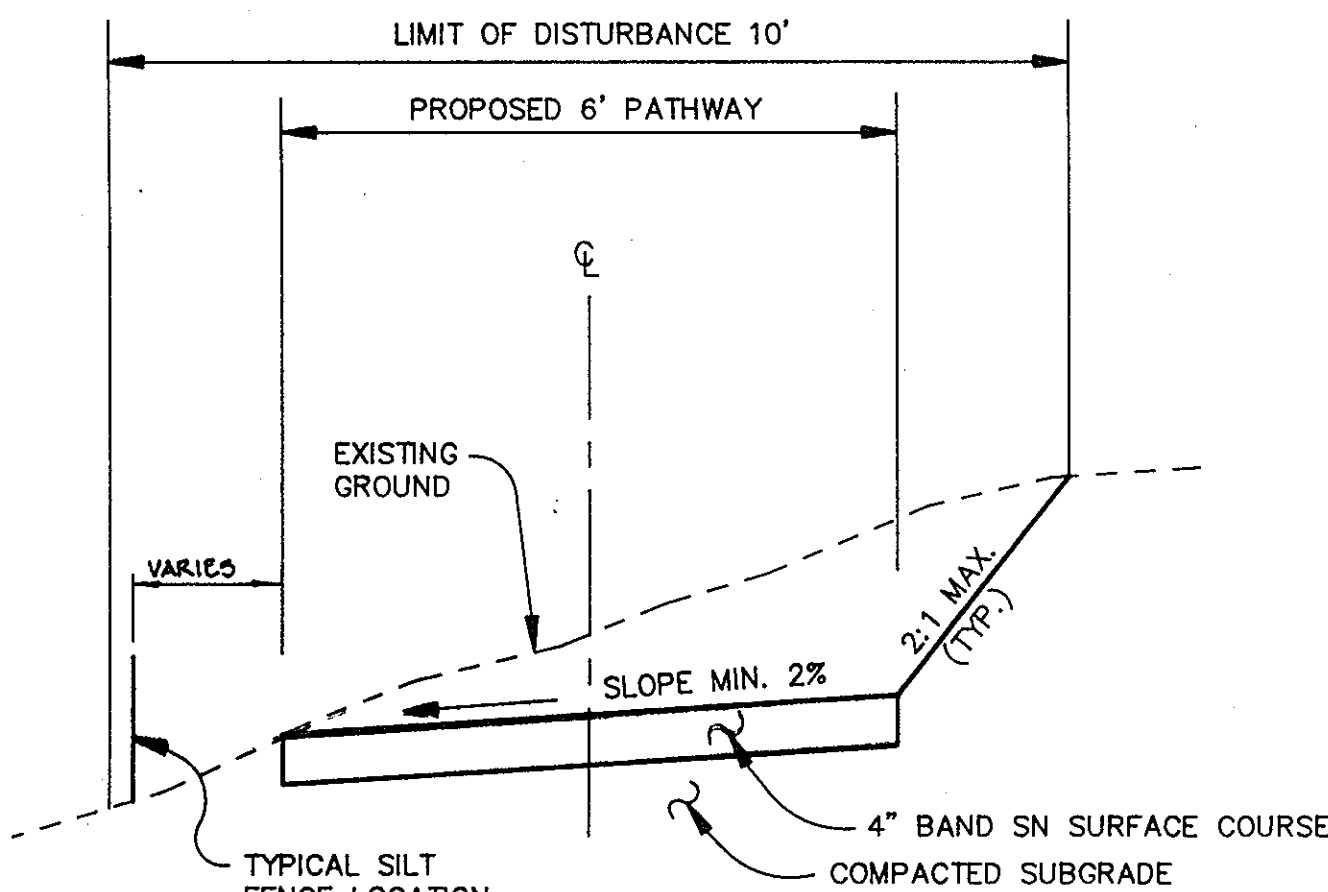
- 2 tons per acre of well-anchored mulch straw and seed as soon as possible in the spring.
- Use sod.
- Seed with 60 lbs. per acre Kentucky 31 Tall Fescue and mulch with 2 tons per acre well anchored straw.

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.

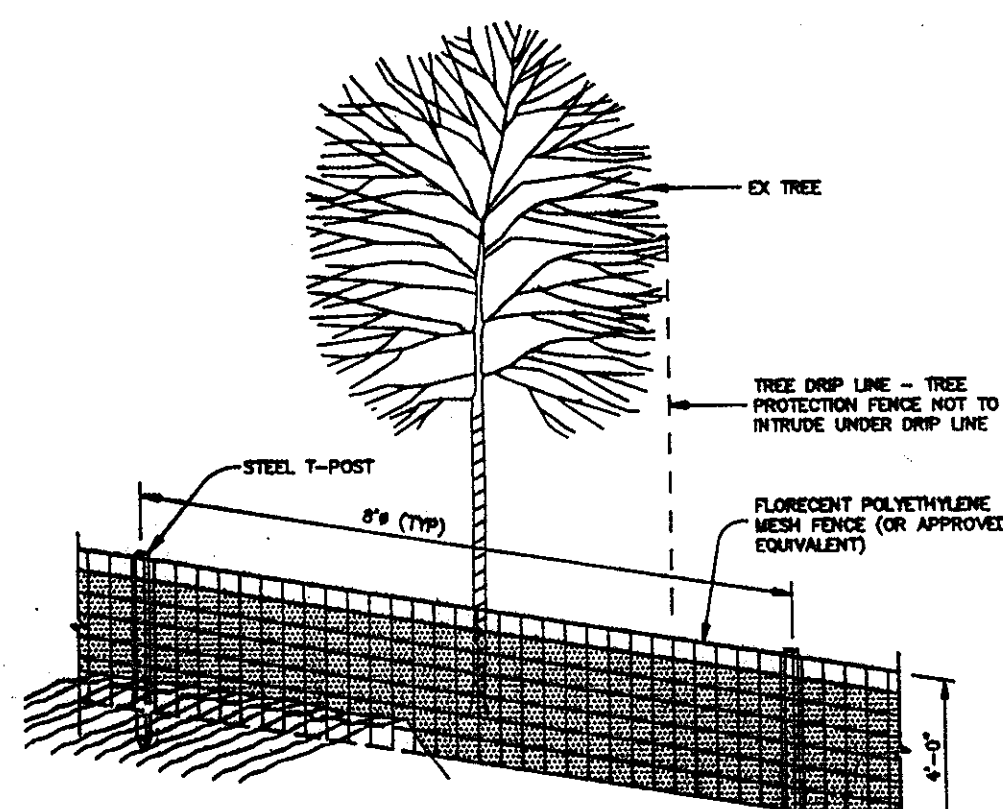


NOTE: "THANK-YOU-MAM" TO BE CONSTRUCTED EVERY 100' ALONG PATHWAY.



TYPICAL PATHWAY CROSS SECTION

NO SCALE



PROTECTIVE TREE FENCING ELEVATION DETAIL

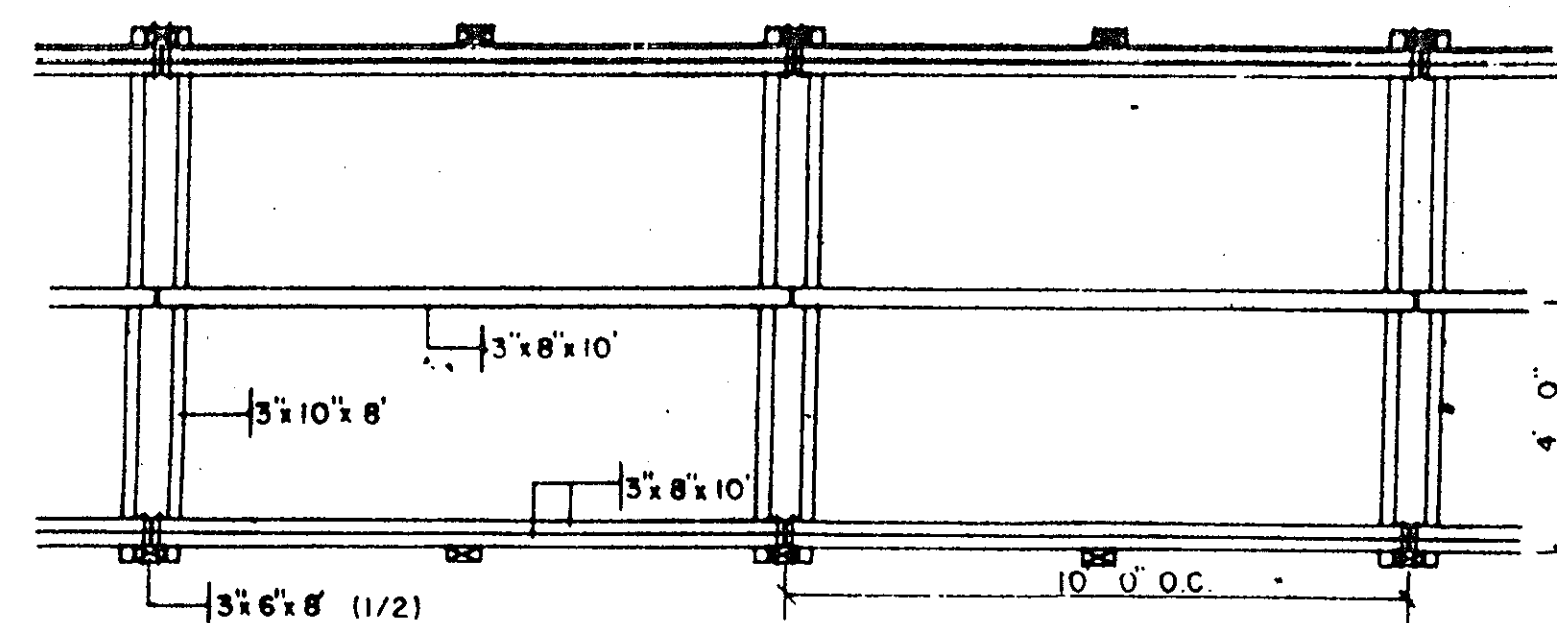
NO SCALE

TREE PRESERVATION PROCEDURES

- THE EDGE OF WOODS TO BE PROTECTED WILL BE MARKED IN THE FIELD PER THE APPROVED SITE DEVELOPMENT PLAN PRIOR TO THE START OF CONSTRUCTION ACTIVITY.
- PROTECTIVE FENCING SHALL BE INSTALLED AT THE DRIP LINE OF THE EDGE OF WOODS. ALL AREAS WITHIN PROTECTIVE FENCES ARE TO BE CONSIDERED OFF LIMITS FOR ANY CONSTRUCTION ACTIVITY.
- PROTECTIVE FENCING WILL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR WILL AFFIX SIGNS TO THE FENCING INDICATING THAT THESE AREAS ARE TREE PRESERVATION AREAS. THE GENERAL CONTRACTOR SHALL TAKE UTMOST CARE TO PROTECT TREE ROOT SYSTEMS DURING THE CONSTRUCTION CYCLE. TREE ROOT SYSTEMS SHALL BE PROTECTED FROM SMOTHERING, FLOODING, EXCESSIVE WETTING FROM DE-WATERING OPERATIONS, OFF-SITE RUN OFF, SPILLAGE, AND DRAINAGE OF SOLUTIONS CONTAINING HAZARDOUS MATERIALS TO TREE ROOTS.
- REMOVAL OF TOPSOIL OR ROOT MAT WITHIN THE TREE PRESERVATION AREA SHALL BE PROHIBITED. THE GENERAL CONTRACTOR SHALL BE PROHIBITED FROM PARKING ANY CONSTRUCTION EQUIPMENT, OR FROM STORING ANY BUILDING SUPPLIES OR EARTH STOCKPILES WITHIN THE TREE PRESERVATION AREAS.
- ROOT TRAFFIC, AS WELL AS VEHICULAR TRAFFIC, IN THE TREE PRESERVATION AREAS SHALL BE KEPT TO A MINIMUM. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TREE DAMAGED OR DESTROYED WITHIN THE TREE PRESERVATION AREAS, WHETHER CAUSED BY THE CONTRACTOR, HIS AGENTS, EMPLOYEES, SUB-CONTRACTORS, OR LICENSEES.
- CONSTRUCTION ACTIVITIES EXPRESSLY RESTRICTED WITHIN THE TREE PRESERVATION AREAS: PLACING BACKFILL IN PROTECTED AREAS; FELLING TREES INTO PROTECTED AREAS; DRIVING CONSTRUCTION EQUIPMENT INTO OR THROUGH PROTECTED AREAS; BURNING IN OR IN CLOSE PROXIMITY TO PROTECTED AREAS; STACKING OR STORING SUPPLIES IN PROTECTED AREAS; CONDUCTING TRENCHING OPERATIONS IN PROTECTED AREAS; GRADING BEYOND THE LIMITS OF DISTURBANCE.
- THE GENERAL CONTRACTOR SHALL PROVIDE A WASH OUT AREA FOR CONCRETE TRUCKS ON SITE, WHICH WILL NOT DRAIN TOWARDS A PROTECTED AREA.
- ALL TREES WHICH ARE NOT TO BE PRESERVED WITHIN FIFTY FEET OF ANY TREE PRESERVATION AREAS ARE TO BE REMOVED IN A MANNER THAT WILL NOT DAMAGE THOSE TREES THAT ARE DESIGNATED FOR PRESERVATION. IT IS HIGHLY RECOMMENDED THAT TREE STUMPS WITHIN THIS FIFTY FOOT AREA BE GRIND OUT WITH A STUMP GRINDING MACHINE TO MINIMIZE DAMAGE.

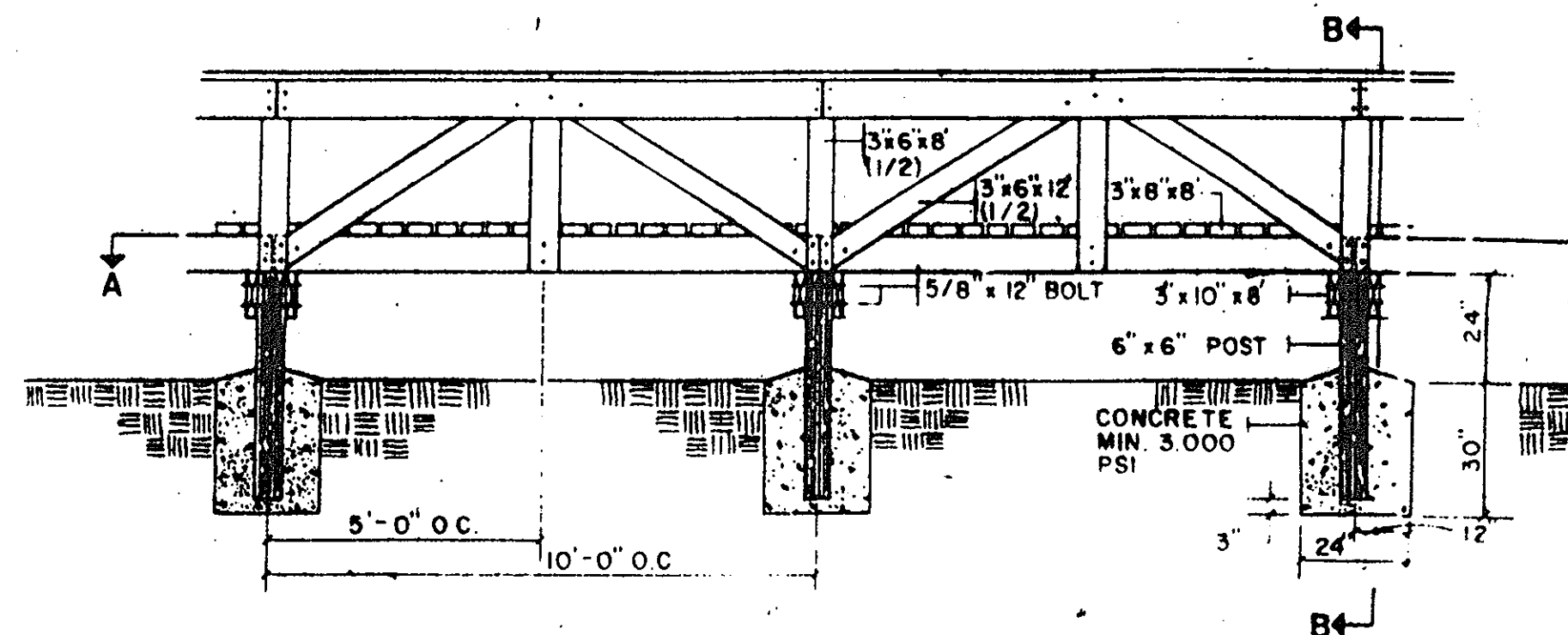
SEQUENCE OF CONSTRUCTION

- OBTAIN A GRADING PERMIT AND ALL OTHER NECESSARY PERMITS. (1 Week)
- INSTALL SILT FENCE ALONG THE PATHWAY SECTION TO BE CONSTRUCTED. (3 Weeks)
- BEGIN CLEARING AND GRUBBING FOR PATHWAY CONSTRUCTION. ALL TREES 12 INCHES IN DIAMETER OR LARGER SHOULD BE PROTECTED AND UNDISTURBED. (3 Weeks)
- COMPACT SUBGRADE AND INSTALL PATHWAY. (2 Days)
- UPON THE APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROLS AND STABILIZE IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES. (2 Days)



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 LICENSE AND PERMITS PERFORMS RELATED STRUCTURAL REVIEW.

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.

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 15 Feb. 1996

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: *DELLA A. ELLIS* DATE: 3/20/96

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: 4.26.96

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

J. H. Warfield 5/20/96
 U.S. SOIL CONSERVATION SERVICE DATE

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

John P. Robertson 5/20/96
 HOWARD SOIL CONSERVATION DISTRICT DATE

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

COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

David J. ... 8/12/96
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

Aime ... 8/16/96
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

Derek ... 8/16/96
 DIRECTOR DATE

DATE NO. REVISION

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

PROJECT
 POINTERS RUN PATHWAY II

AREA TAX MAP NO. 35 PARCEL 70 & 240
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE
 SEDIMENT CONTROL NOTES AND DETAILS

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

4.26.96
 DATE

DESIGNED BY: DRF
 DRAWN BY: RJC
 PROJECT NO: 95H07800
 DATE: MAY 16, 1996
 SCALE: AS SHOWN
 DRAWING NO. 5 OF 5

SDP-96-05