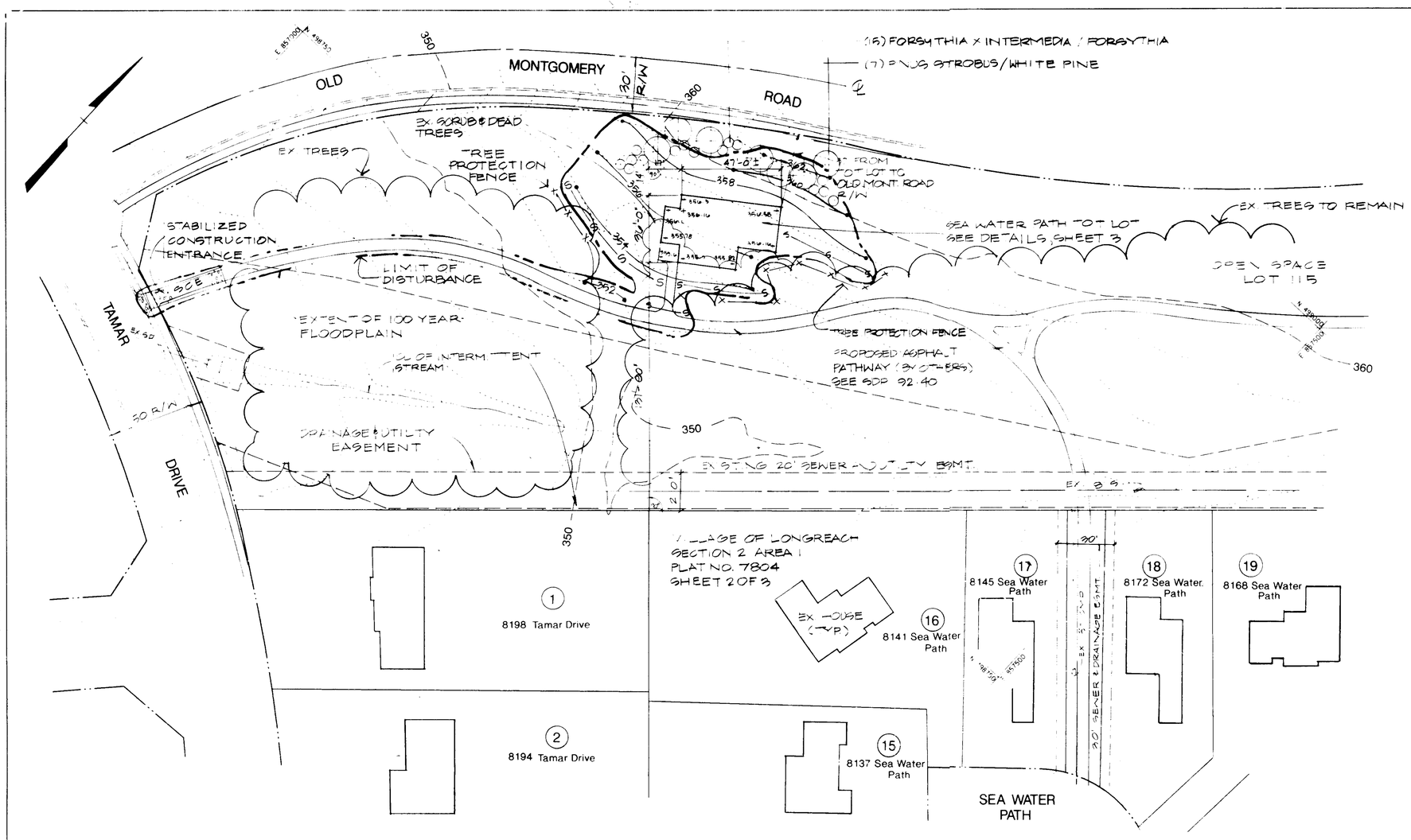
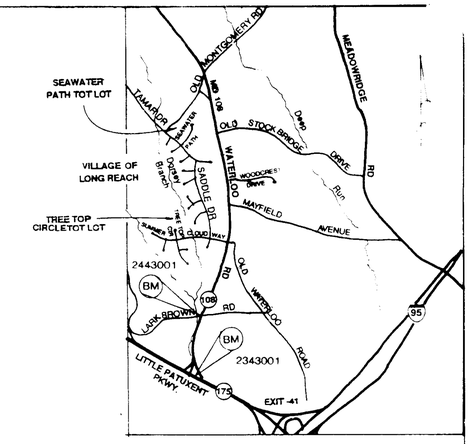




VICINITY MAP 1"=2000'

APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE 1 Sept. 92

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT REVIEWED & NO FACILITIES REQUIRED	
COUNTY HEALTH OFFICER	DATE 12/30/92
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING	
DIRECTOR	DATE 1/7/93
CHIEF, DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT	DATE 1/7/93
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS REVIEWED & NO FACILITIES REQUIRED	
DIRECTOR	DATE 12-28-92
CHIEF, BUREAU OF ENGINEERING	DATE 12-17-92

Date	No.	Revision Description

KENDALL RIDGE TOT LOTS

6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER / DEVELOPER

HOWARD RESEARCH AND DEVELOPMENT CORPORATION
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044

COLUMBIA PARK AND RECREATION ASSOC. INC.
SUITE 300
9861 BROKEN LAND PARKWAY
COLUMBIA, MD 21046

DAFT McCUNE WALKER, INC.
LAND PLANNING CONSULTANTS
LANDSCAPE ARCHITECTS
ENGINEERS SURVEYORS
200 EAST PENNSYLVANIA AVENUE
TOWSON, MD 21204
TELEPHONE: 301-828-9000

TITLE
SITE DEVELOPMENT PLAN
SEA WATER PATH TOT LOT

SUBDIVISION NAME		SECT./AREA	LOT/PARCEL #
VLR — KENDALL RIDGE		2	OS LOT 115

PLAT# OR L/F	BLOCK#	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.
7804	7	NT OS	37	6	6067.03

WATER CODE	SEWER CODE
N/A	N/A

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
	8149 Sea Water Path

DES. BY CA	SCALE: 1" = 30'	PROJ. NO. 92046
DRN. BY HGP	DATE: 7/10/92	1 OF 4
CHK'D. BY RAB	Approved	

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

U.S. SOIL CONSERVATION SERVICE — DATE 11/17/92

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

HOWARD S.C.D. — DATE 11/17/92

PLAN NUMBER

CERTIFICATION BY THE ENGINEER:

"I CERTIFY THAT THAS 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."

Richard A. Baumann — DATE 11.9.92

CERTIFICATION BY THE DEVELOPER:

"I/WE CERITFY 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 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."

DENNIS ELLIS — DATE 11.3.92

Site Analysis

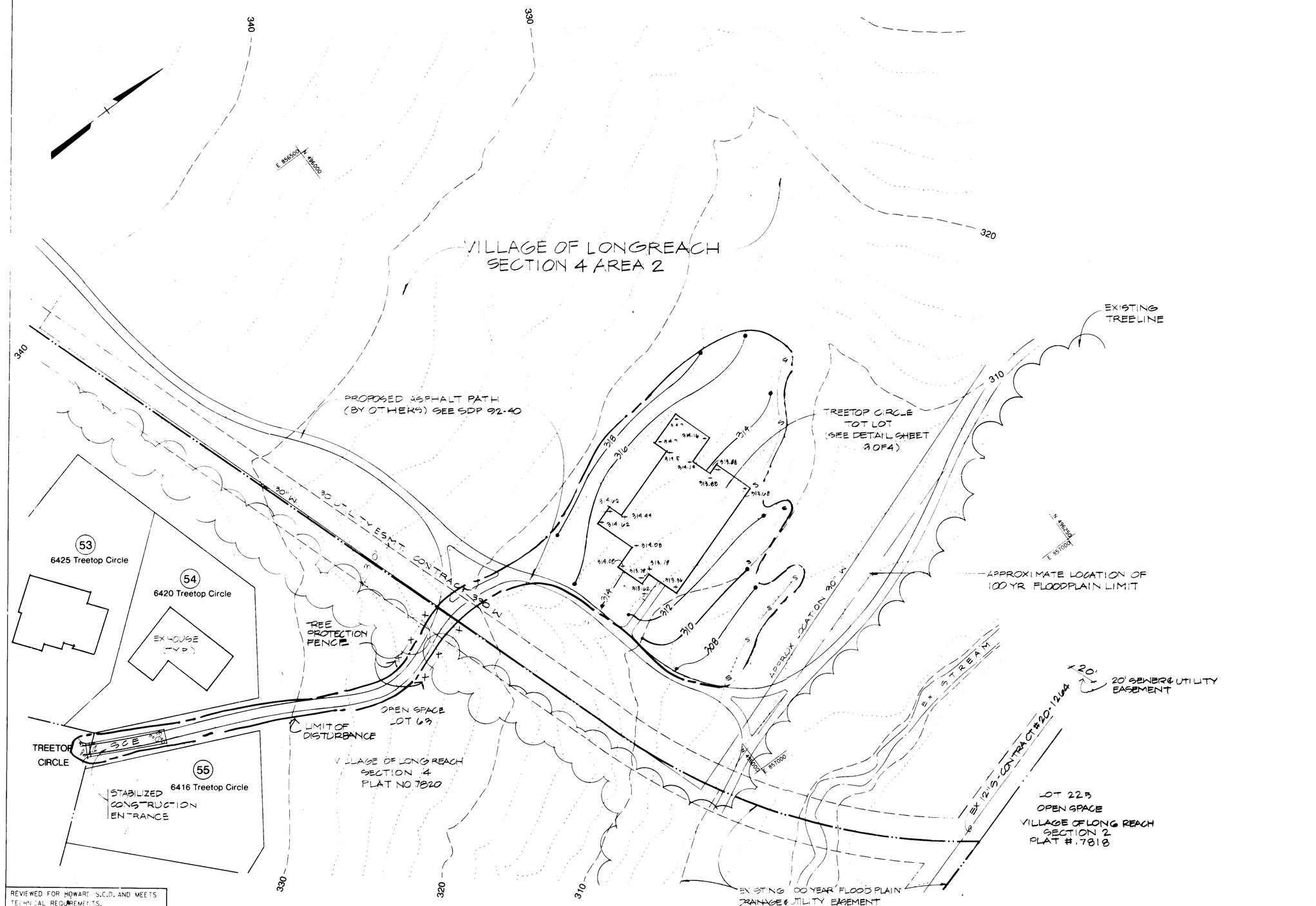
1. Area of parcels
   a. Sea Water Path Tot Lot: Lot 115 — 3.16 Ac. ± — Area of Submission: 0.33 Ac. ± — 14,400 Sq. Ft. ±
   b. Treetop Circle Tot Lot: – — – — Area of Submission: 0.77 Ac. ± — 33,540 Sq. Ft. ±
2. Zoning: NT Open space credited
   a. Sea Water Pat Tot Lot:
      FDP Phase 196-A, VLR 2/1, Plat 3054A - 1012
      Credited Open Space Lot 115, Plat 7804
   b. Treetop Circle Tot Lot:
      FDP Phase - Future
      Credited Open Space Lot - Future
      The developer agrees to remove any improvements that are not permitted by the FDP when recorded
   c. General - Department of Planning and Zoning Files
      WP 91-167, approved
      SDP 92-40 Kendall Ridge Neighborhood Open Space Master Plan, approved, November 1991
      F-88-78 VLR 2/1 (Plat 7804)
3. Building Coverage: 0 Sq. Ft.

SDP-93-07

SHEET INDEX:

SHEET 1- SEA WATER PATH TOT LOT
SHEET 2- TREETOP CIRCLE TOT LOT
SHEET 3- TOT LOT ENLARGEMENTS AND GENERAL NOTES
SHEET 4- DETAILS

SDP-93-07



APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE 1 Sept. 92

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
REVIEWED & NO FACILITIES REQUIRED
Joyce M Beard per JBM 12/30/92
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
1/7/93
DIRECTOR DATE
Amina J Hornsby 1/7/93
CHIEF, DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
REVIEWED & NO FACILITIES REQUIRED
12.23.92
DIRECTOR DATE
12.17.92
CHIEF, BUREAU OF ENGINEERING M.K. DATE

Date	No.	Revision Description

KENDALL RIDGE TOT LOTS

6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER / DEVELOPER

HOWARD RESEARCH AND DEVELOPMENT CORPORATION
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044

COLUMBIA PARK AND RECREATION ASSOC. INC.
SUITE 300
9861 BROKEN LAND PARKWAY
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LANDSCAPE ARCHITECTS
ENGINEERS SURVEYORS
200 EAST PENNSYLVANIA AVENUE
TOWSON, MD. 21204
TELEPHONE: 301-296-3333

TITLE
SITE DEVELOPMENT PLAN
TREETOP CIRCLE TOT LOT

SUBDIVISION NAME				SECT./AREA	LOT/PARCEL #
VILLAGE OF LONG REACH				4 / 2	254 / 255
PLAT# OR L/F	BLOCK#	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.
1535 / 193	N/A	NT	37	6	6067.03
WATER CODE			SEWER CODE		
N/A			N/A		

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
	6418 Tree Top Circle

DES. BY CA	SCALE: 1" = 30'	PROJ. NO. 92046
DRN. BY HGP	DATE: 7/10/92	2 OF 4
CHK'D. BY RAB	Approved	

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
11/7/92
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
11/17/92
HOWARD S.C.D. DATE

PLAN NUMBER

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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."
11.9.92
DATE

CERTIFICATION BY THE DEVELOPER:
"I/WE CERITFY 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 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) 11.3.92
DATE

SDP-93-07

General Notes

1. Topography shown on these drawings has been traced from the following sources;

   Sea Water Path Tot Lot: Howard County Record Drawings F-88-78, Sheet 16 of 18 dated September 24, 1987.

   Treetop Circle Tot Lot: Aerial photogrammetry provided to DMW, June 21, 1989, by the Howard Research of Development Corporation Utility information shown is from available record drawings.

   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.

2. All work shall be performed in accordance with the Howard County Design Manual Standard Specifications and Details for Construction.

3. Deviations from these plans and specifications without prior written consent of the engineer may cause the work to be unacceptable.

4. Adjustments to the Sequence of Construction shall not be made without prior approval from the Howard County Department of Inspections, Licenses and Permits.

5. The contractor shall take all necessary precautions to protect existing utilities and maintain uninterrupted service. Any damage incurred due to the contractor's operations shall be repaired immediately at the contractor's expense

6. The contractor shall comply with Sediment Control Notes as documented on these plans.

7. The engineer assumes no responsibility for existing utilities not shown on these plans. It shall be the responsibility of the contractor to verify the locations of all utilities within the limits of construction.

8. The contractor shall notify the following utilities or agencies at least five days before starting work on these drawings:

"Miss Utility"	1-800-257-7777
Baltimore Gas and Electric Company	(301) 234-5681
C&P Telephone Company	(301) 393-3646

9. 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.

10. The contractor shall obtain the necessary permits for construction.

11. All utilities are to be retained unless marked otherwise and appurtenances are to be adjusted to finished grade.

12. 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.

13. The contractor shall contact the construction/inspection/survey division 24 hours in advance of commencement of work at 313-2417 or 313-2418.

14. 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, 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.

15. Prior to start of any construction, the contractor shall stake out all construction and verify all offsets, setbacks, existing utility locations (horizontal and vertical) and dimensions.

16. The contractor shall use the dimensions shown. Scaling of these plans is discouraged unless directed by the engineer.

17. The contractor shall test pit existing utilities, where directed by the engineer, a minimum of two weeks in advance of construction operations.

18. 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 and the grading or building permit.

19. On all sites with disturbed areas in excess of 2 acres, approval of the Department of Inspections, Licenses and Permits shall be required upon completion of installation of perimeter erosion and sediment control, 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, Licenses and Permits is given.

20. Approval shall be requested on final stabilization of all sites with disturbed areas in excess of 2 acres before removal of controls.

21. Any damage to county rights-of-way and paving of public roads shall be repaired immediately at the contractor's expense in accordance with Howard County specifications and standards.

22. All fill shall be rolled to a minimum degree of compaction to 95% of the dry unit weight as determined by ASTM D-698.

23. All concrete for site work shall be Class 2 concrete and shall be in accordance with Maryland State Highway Administration Specifications as amended to date.

24. 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.

25. All disturbed areas shall be stabilized with permanent seed and mulch in accordance with plans approved by the Howard County Conservation District.

26. The developer shall request a waiver to Howard County Subdivision and Land Development Regulations, Section 18.118.C.6, in the event that work will be done within a 25' wetland buffer or 75' stream buffer area.

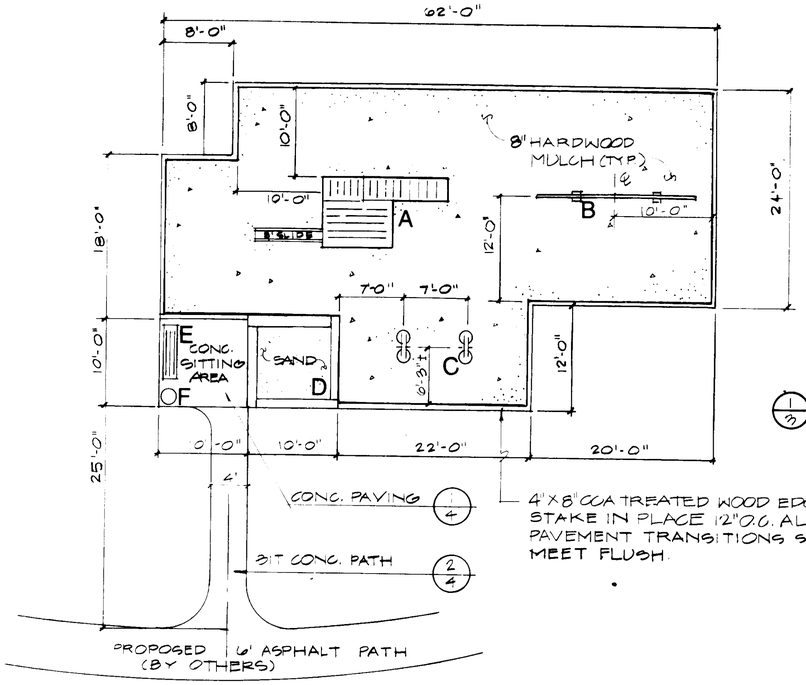
27. All sediment and erosion control shall be in accordance with the agreement made between Columbia Association and HSCD amended August 1, 1990.

28. A waiver of stormwater management quantity and quality control was approved by DPW letter, May 20, 1991 (File SDP 92-40)

29. No fill material will be deposited in wetland, stream channels or associated buffer areas.

30. the developer shall implement and adequately maintain sediment and erosion control measures including limiting the disturbance to existing vegetation and steep slopes for areas adjacent to wetland and streams.

31. Demarcate the limit of disturbance area on site with a construction fence prior to any clearing and/or grading activey for construction.

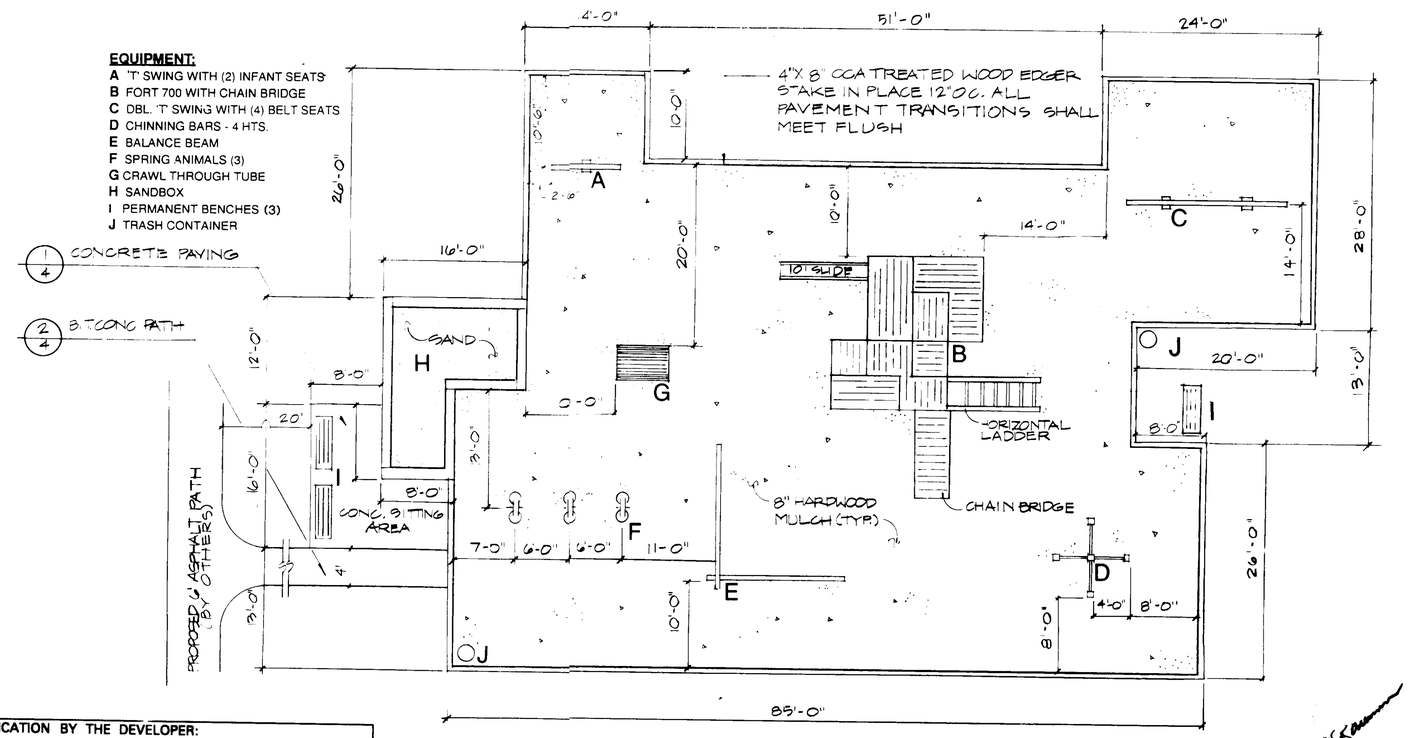


1/3 SEA WATER PATH TOT LOT
SCALE: 1/8"=1'-0"

EQUIPMENT:
- **A** FORT R-2 WITH 8' SLIDE
- **B** DBL. 'T' SWING WITH (2) INFANT SEATS & (2) BELT SEATS
- **C** (2) SPRING ANIMALS
- **D** SANDBOX
- **E** PERMANENT BENCH
- **F** PERMANENT TRASH CONTAINER

APPROVED
PLANNING BOARD
of Howard County, Maryland
DATE 1 Sept. 92

EQUIPMENT:
- **A** 'T' SWING WITH (2) INFANT SEATS
- **B** FORT 700 WITH CHAIN BRIDGE
- **C** DBL. 'T' SWING WITH (4) BELT SEATS
- **D** CHINNING BARS - 4 HTS.
- **E** BALANCE BEAM
- **F** SPRING ANIMALS (3)
- **G** CRAWL THROUGH TUBE
- **H** SANDBOX
- **I** PERMANENT BENCHES (3)
- **J** TRASH CONTAINER



2/3 TREETOP CIRCLE TOT LOT
SCALE: 1/8"=1'-0"

APPROVED:	FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT REVIEWED & NO FACILITIES REQUIRED
COUNTY HEALTH OFFICER	DATE 12/30/92
APPROVED:	HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
DIRECTOR	DATE 1/7/93
CHIEF, DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT	DATE 1/7/93
APPROVED:	FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS REVIEWED & NO FACILITIES REQUIRED
DIRECTOR	DATE 12-23-92
CHIEF, BUREAU OF ENGINEERING M.K. CD	DATE 12-17-92

Date	No.	Revision Description

KENDALL RIDGE TOT LOTS

5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER / DEVELOPER

HOWARD RESEARCH AND DEVELOPMENT CORPORATION
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044

COLUMBIA PARK AND RECREATION ASSOC. INC.
SUITE 300
9861 BROKEN LAND PARKWAY
COLUMBIA, MD 21046

DAFT McCUNE WALKER, INC.
LAND PLANNING CONSULTANTS
LANDSCAPE ARCHITECTS
ENGINEERS SURVEYORS
200 EAST PENNSYLVANIA AVENUE
TOWSON, MD. 21204
TELEPHONE: 301-294-3333

TITLE

TOT LOT ENLARGEMENTS

SUBDIVISION NAME			SECT./AREA	LOT/PARCEL #
PLAT# OR L	BLOCK#	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.
WATER CODE			SEWER CODE	

ADDRESS CHART

LOT NUMBER	STREET ADDRESS

DES. BY CA	SCALE: AS SHOWN	PROJ. NO. 92046
DRN. BY HGP	DATE: 7/10/92	3 OF 4
CHK'D. BY RAB	Approved	

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

U.S. SOIL CONSERVATION SERVICE — DATE 11/17/92

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

HOWARD S.C.D. — DATE 11/17/92

PLAN NUMBER

CERTIFICATION BY THE ENGINEER:

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Richard A. Baumann — DATE 11-9-92

CERTIFICATION BY THE DEVELOPER:

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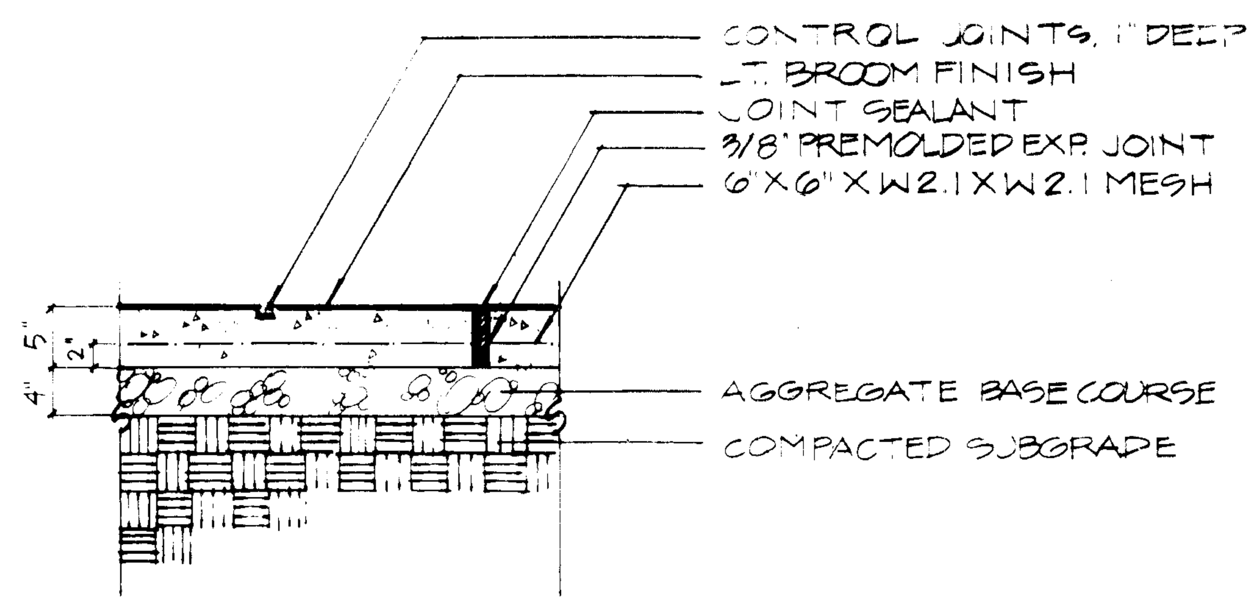
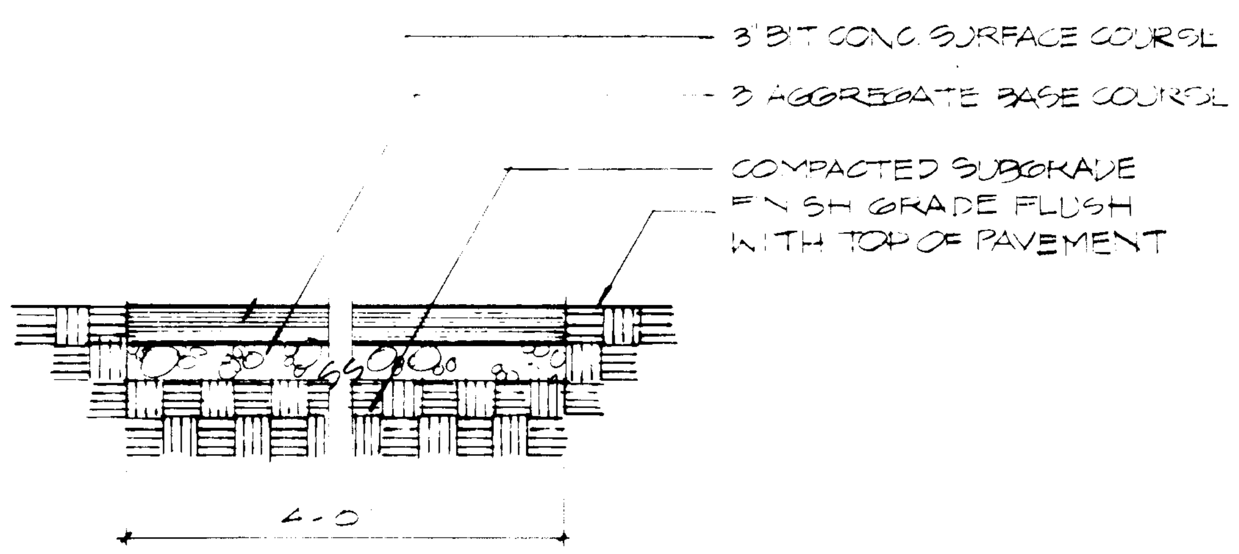
(DEHID ELLIS) — DATE 11-3-92

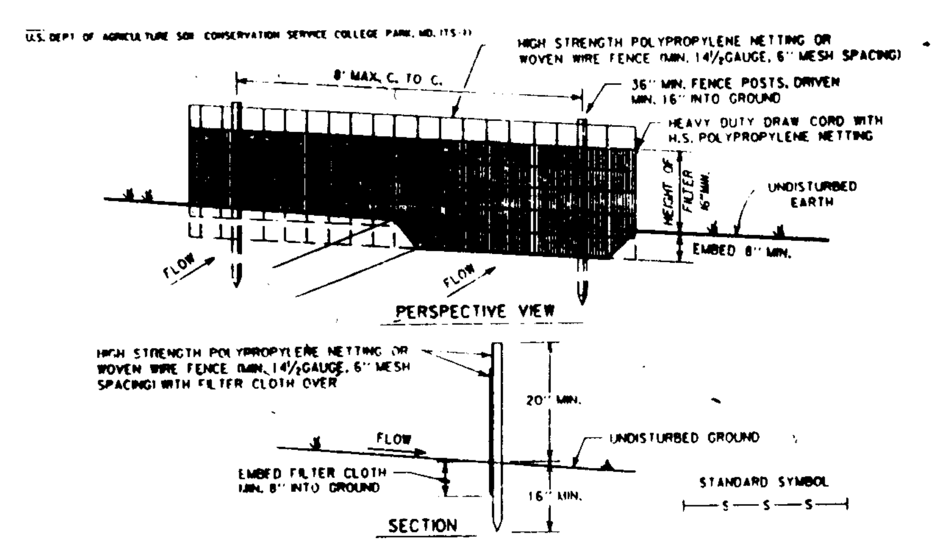
SDP-93-07



1/4 CONCRETE PAVING
SCALE 1"=1'-0"



2/4 LT. DUTY BITUMINOUS CONC WALK

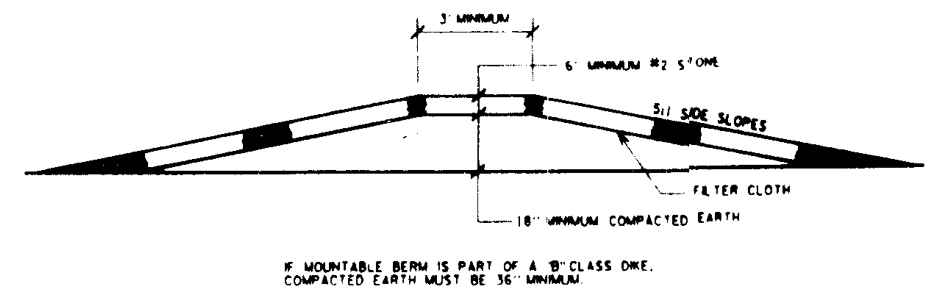


CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. HIGH STRENGTH POLYPROPYLENE NETTING OR WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE

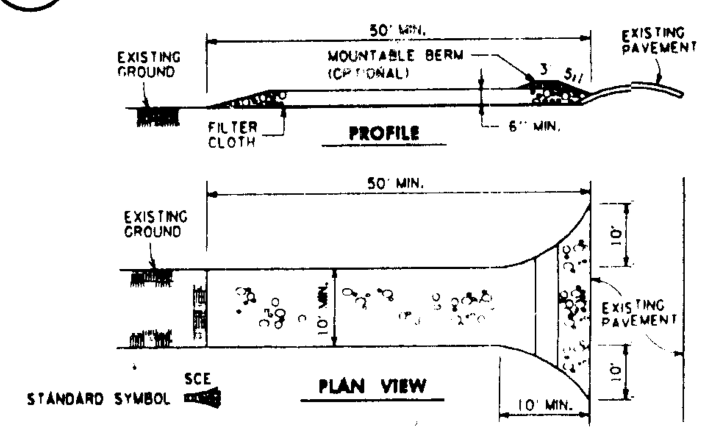
POSTS: STEEL EITHER T OR U TYPE OR 1 1/4"x1 1/4" MIN. (ACTUAL) HARDWOOD
FENCE: WOVEN WIRE, 14 GAUGE 6" MAX. MESH OPENING OR HIGH STRENGTH POLYPROPYLENE NETTING
FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA OR APPROVED EQUAL
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

3/4 SILT FENCE



IF MOUNTABLE BERM IS PART OF A "B" CLASS DIKE, COMPACTED EARTH MUST BE 36" MINIMUM.

4/4 MOUNTABLE BERM DETAIL



CONSTRUCTION SPECIFICATIONS:

1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

5/4 STABILIZED CONSTRUCTION ENTRANCE

1. 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 (992-2437).
2. 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 EROSION AND SEDIMENT CONTROL."
3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
   A. SEVEN CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1
   B. FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE
4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE "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 (SECTION 51), SOD (SECTION 54), TEMPORARY SEEDING (SECTION 50), AND MULCHING (SECTION 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 PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
7. SITE ANALYSIS:

TOTAL AREA OF SITE	1.1	ACRES
AREA DISTURBED	1.1	ACRES
AREA TO BE ROOFED OR PAVED	0.01	ACRES
AREA TO BE VEGETATIVELY STABILIZED	1.1	ACRES
TOTAL CUT	200	CUBIC YARDS
TOTAL FILL	200	CUBIC YARDS
OFF-SITE WASTE/BORROW AREA LOCATION WASTE =	0	CUBIC YARDS

8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
10. ON ALL SITES WITH 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.

6/4 HOWARD COUNTY SEDIMENT CONTROL GENERAL NOTES

Sequence of Operation

1. Notify Department of Public Works, Sediment Control Inspector for Howard County, (880-3450) at least 24 hours prior to beginning any work.
2. Install Tree Protecton Fencing along limit of disturbance in wooded areas.
3. Clear and grub for and install sediment and erosion control measures or devices only.
4. Clear and grub site.
5. Mass grade all areas.
6. Construct tot lots.
7. Fine grade all remaining areas and permanently stabilize those areas.
8. Upon stabilization of site and with permission of the Sediment Control Inspector, remove sediment control measures and stabilize those areas disturbed by this process.

Temporary Seeding Notes

A. Seedbed preparation:
Loosen upper 3 inches by discing, raking or other acceptable means before seeding, if not previously loosened.

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

C. Seeding:
For periods March 1 through April 30, and from August 15 through November 15 seed with 2-1/2 bu./acre of annual rye (3.2 lbs./1000 sq. ft.). For the period May 1 through August 14, seed with 3 lbs. per acre of Weeping Lovegrass (0.07 lbs./1000 sq. ft.). For the period November 16 through February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed soon as possible in the spring.

D. Mulching:
Apply 1-1/2 to 2 tons per acre (70-90 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.

7/4 TEMPORARY SEEDING NOTES

Permanent Seeding Notes

All disturbed areas shall be stabilized as follows:

A. Seeding preparation: Loosen upper 3 inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

B. Soil Amendments:

1. Preferred:
Apply 2 tons per acre Dolomitic Limestone (92 lbs./1000 sq. ft.) and 600 lbs. per acres 10-10-10 fertilizer (14 lbs./1000 sq. ft.). Before seeding, harrow or disc into upper 3 inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 Ureaform fertilizer (9lbs. per 1000 sq. ft.)

2. Acceptable:
Apply 2 tons per acre Dolomite Limestone (92 lbs./1000 sq. ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs./sq. ft.(before seeding. Harrow or disc into upper 3 inches of soil.

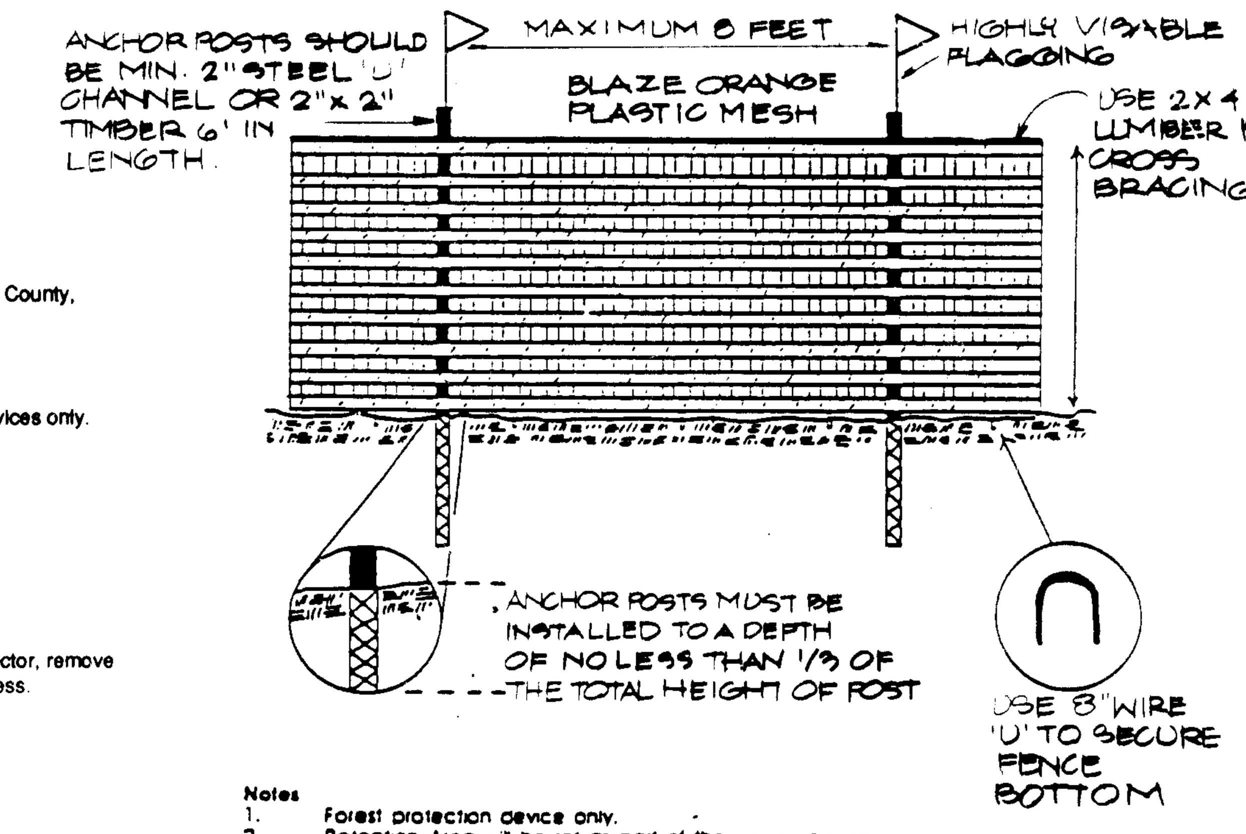
C. Seeding:
For the periods March 1 through April 30, and August 1 through October 15, seed with 305 lbs. per acre (7 lbs/1000 sq ft.) of "Rebel II" Variety Tall Fescue. For the period May 1 through July 31, seed with 305 lbs of "Rebel II" Variety Tall Fescue per acre and 2 lbs. per acre (0.05 lbs./1000 sq. ft.) of Weeping Lovegrass. During the period of October 16 through February 28, protect site by:

Option (1): 2 tons per acre of well anchored straw mulch and seed as soon as possible in spring.
Option (2): Use sod
Option (3): Seed with 305 lbs./acre "Rebel II" Variety Tall Fescue and mulch with 2 tons/acre well anchored straw.

D. 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 Ashphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal./1000 sq. ft.) for anchoring.

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

8/4 PERMANENT SEEDING NOTES



Notes
1. Forest protection device only.
2. Retention Area will be set as part of the review process.
3. Boundaries of Retention Area should be staked and flagged prior to installing device
4. Root damage should be avoided.
5. Protective signage may also be used.
6. Device should be maintained throughout construction.

Source: Prince Georges County, Maryland Woodland Conservation Manual

9/4 TREE PROTECTION FENCING

APPROVED
PL...
of H...
DATE 1 Sept. 92

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
James M. [signature] G.S. 11/17/92
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
[signature] 11/17/92
HOWARD S.C.D. DATE

PLAN NUMBER

CERTIFICATION BY THE ENGINEER:
"I CERTIFY THAT THAS 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."
Richard A. Bauman 11.9.92
DATE

CERTIFICATION BY THE DEVELOPER:
"I/WE CERITFY 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 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."
[signature] (DENIS ELLIS) 11-3-92
DATE

Richard Bauman

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT REVIEWED & NO FACILITIES REQUIRED
Joyce M Boyd [signature] 12/30/92
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
[signature] 1/7/93
DIRECTOR DATE
[signature] 1/7/93
CHIEF, DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS REVIEWED & NO FACILITIES REQUIRED
[signature] 12.23.92
DIRECTOR DATE
[signature] 12-17-92
CHIEF, BUREAU OF ENGINEERING M.K. 12/17/92 DATE

Date	No.	Revision Description

KENDALL RIDGE TOT LOTS
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER / DEVELOPER

HOWARD RESEARCH AND DEVELOPMENT CORPORATION
10275 LITTLE PATUXENT PARKWAY
COLUMBIA, MD 21044

COLUMBIA PARK AND RECREATION ASSOC. INC.
SUITE 300
9861 BROKEN LAND PARKWAY
COLUMBIA, MD 21046

DAFT McCUNE WALKER, INC.
LAND PLANNING CONSULTANTS
LANDSCAPE ARCHITECTS
ENGINEERS SURVEYORS
200 EAST PENNSYLVANIA AVENUE
TOWSON, MD. 21204
TELEPHONE: 301-296-3333

TITLE
DETAILS

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #

PLAT# OR L/F	BLOCK#	ZONE	TAX/ZONE MAP	ELEC. DIST.	CENSUS TR.

WATER CODE	SEWER CODE

ADDRESS CHART

LOT NUMBER	STREET ADDRESS

DES. BY CA	SCALE: AS SHOWN	PROJ. NO. 92046
DRN. BY HGP	DATE: 7/10/92	4 OF 4
CHK'D. BY RAB	Approved	

SDP-93-07