# CLARY'S FOREST NEIGHBORHOOD OPEN SPACE MASTER PLAN

## VILLAGE OF HICKORY RIDGE

## COLUMBIA PARK AND RECREATION ASSOCIATION

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2. PATHWAY AND TOT LOT LAYOUT
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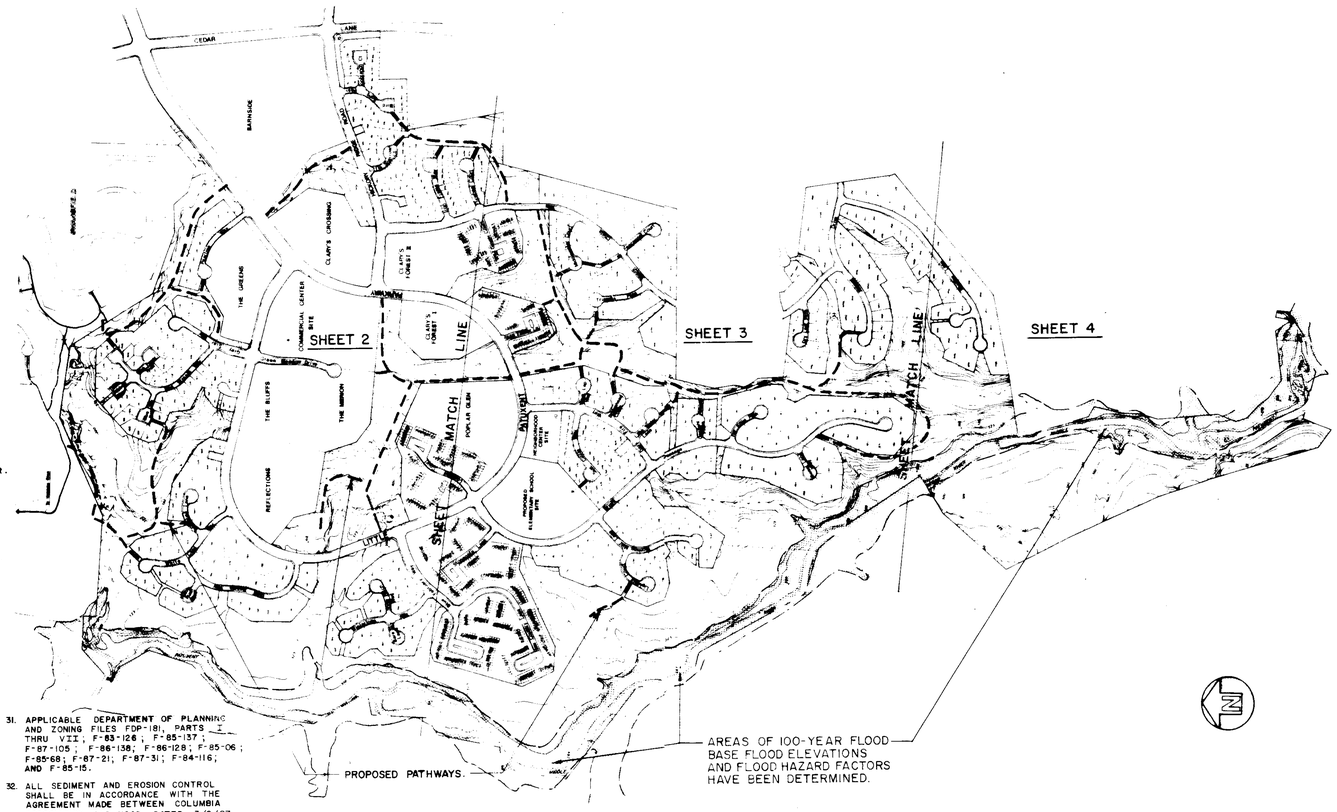
6. TYPICAL BRIDGE DETAILS


### GENERAL NOTES

1. TOPOGRAPHY SHOWN ON THIS DRAWING HAS BEEN TRACED FROM TOPOGRAPHIC SURVEYS AND MAPS PREPARED BY HOWARD COUNTY. 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 TREES 12" IN DIAMETER OR GREATER SHALL REMAIN PROTECTED AND UNDAMAGED AT ALL TIMES.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
4. DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE CIVIL ENGINEER MAY CAUSE THE WORK TO BE UNACCEPTABLE.
5. ADJUSTMENTS TO THE SEQUENCE OF CONSTRUCTION SHALL BE APPROVED BY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS PRIOR TO SUCH ADJUSTMENTS.
6. 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 CONTRACTORS EXPENSE.
7. THE CONTRACTOR SHALL COMPLY WITH SEDIMENT CONTROL NOTES AS DOCUMENTED ON THESE PLANS.
8. EXISTING UTILITIES ARE NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION.
9. 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 & ELECTRIC COMPANY (301) 234-5691
   C & P TELEPHONE COMPANY (301) 393-3648
10. 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.
11. THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FOR CONSTRUCTION.
12. ALL UTILITIES ARE TO BE RETAINED UNLESS MARKED OTHERWISE AND APPURTENANCES ARE TO BE ADJUSTED TO FINISHED GRADE.
13. 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.
14. THE MEASURES REQUIRED IN THE APPROVED SEDIMENT CONTROL PLAN SHALL APPLY AS IF SHOWN ON ALL PLANS.
15. THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION INSPECTION/ SURVEY DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 992-2417 OR 992-2418.
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 EASEMENT, 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 ANY CONSTRUCTION, CONTRACTOR SHALL STAKEOUT 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 CIVIL ENGINEER.
19. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
20. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
21. THE DEVELOPER MUST REQUEST THAT THE DEPARTMENT OF INSPECTIONS AND PERMITS APPROVE WORK COMPLETED IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, THE GRADING OR BUILDING PERMIT, AND THE ORDINANCE.
22. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 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.
23. APPROVAL SHALL BE REQUESTED ON FINAL STABILIZATION OF ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES BEFORE REMOVAL OF CONTROLS.
24. ANY DAMAGE TO COUNTY RIGHTS-OF-WAY AND PAVING OF PUBLIC ROADS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTORS EXPENSE IN ACCORDANCE WITH THE HOWARD COUNTY SPECIFICATIONS AND STANDARDS.
25. ALL FILL SHALL BE ROLLED TO A MINIMUM DEGREE OF COMPACTION OF 95% OF THE DRY UNIT WEIGHT AS DETERMINED BY ASTM D-698.
26. 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.
27. 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.
28. ALL DISTURBED AREAS SHALL BE STABILIZED WITH PERMANENT SEED AND MULCH IN ACCORDANCE WITH PLANS APPROVED BY THE HOWARD COUNTY CONSERVATION DISTRICT.
29. THE DEVELOPER SHALL REQUEST A WAIVER TO HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, SECTION 16.116(a), IN THE EVENT THAT WORK WILL BE DONE WITHIN A 25' WETLAND BUFFER OR 75' STREAM BUFFER AREA. WP-90-129 APPROVED
30. "NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE WETLAND OR STEAM BUFFERS EXCEPT AS APPROVED PER WAIVER PETITION, WP-90-129, APPROVED.
31. APPLICABLE DEPARTMENT OF PLANNING AND ZONING FILES FDP-181, PARTS I THRU VII; F-83-126; F-85-137; F-87-105; F-86-138; F-86-128; F-85-06; F-85-68; F-87-21; F-87-31; F-84-116; AND F-85-15.
32. ALL SEDIMENT AND EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE AGREEMENT MADE BETWEEN COLUMBIA ASSOCIATION AND HSCD DATED 3/2/87.
33. A WAIVER HAS BEEN SUBMITTED FOR STORMWATER MANAGEMENT QUANTITY AND QUALITY CONTROL, APPROVED
34. A WAIVER HAS BEEN SUBMITTED FOR WORK WITHIN THE 100 YEAR FLOODPLAIN PER SEC. 16.116 (a)(1)(2), APPROVED
35. THE FOLLOWING PERMITS SHALL APPLY TO PROPOSED CONSTRUCTION SHOWN ON THESE PLANS CORPS OF ENGINEERS AND WATER QUALITY PERMIT No. 88-1444-5
    88-4190-5
36. NO FILL MATERIAL WILL BE DEPOSITED IN WETLANDS, STREAM CHANNELS OR ASSOCIATED BUFFER AREAS.
37. THE LIMIT OF DISTURBANCE FOR PATHWAY CONSTRUCTION SHALL BE RESTRICTED TO A 10 FOOT WIDE CORRIDOR FOR ALL ENCROACHMENTS WITHIN THE REQUIRED WETLAND/STREAM BUFFERS AS INDICATED ON THE SITE DEVELOPMENT PLAN.
38. THE DEVELOPER SHALL IMPLEMENT AND ADEQUATELY MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES (INCLUDING LIMITING THE DISTURBANCE TO EXISTING VEGETATION AND STEEP SLOPES FOR THE AREAS ADJACENT TO THE WETLANDS AND STREAMS.)
39. DEMARCATE THE LIMIT OF DISTURBANCE AREA ON THE SITE WITH A CONSTRUCTION FENCE PRIOR TO ANY CLEARING AND GRADING ACTIVITY FOR THE PATHWAY CONSTRUCTION.
40. FUTURE PLANS OR BUILDING PERMITS SHALL REFERENCE WP-90-129, APPROVED.
41. ALL PROPOSED PATHWAY LOCATIONS SHALL BE FIELD STAKED AND APPROVED BY THE PROJECT ENGINEER. PATHWAYS SHALL BE LAID OUT 30' FROM EXISTING STREAM CHANNELS WHERE OPEN SPACE PROPERTY LIMITS PERMIT.




MASTER PLAN

SCALE: 1" = 600'

**GENERAL PLAN NOTE:**
THESE PLANS WERE PREPARED FOR PATHWAY CONSTRUCTION ONLY. PROPOSED TOT LOTS, PLAY MEADOWS AND OVER LOOK AREAS SHALL BE SUBMITTED AS SEPARATE S.D.P.'s PRIOR TO CONSTRUCTION OF EACH AREA. THESE PLANS WERE PREPARED FOR THE COLUMBIA PARK AND RECREATION ASSOCIATION. SITE PLAN REQUIREMENTS WERE BASED ON PREVIOUS MEETINGS AND AGREEMENTS AS DOCUMENTED PER THE ENCLOSED CORRESPONDENCE. PLEASE CONTACT THE HOWARD COUNTY DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT FOR MODIFICATIONS TO THE STANDARD S.D.P. PROCESS FOR C.A.'s TOT LOTS AND PATHWAYS.

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
DIRECTOR — DATE 9/91
CHIEF, BUREAU OF ENGINEERING — DATE 1-16-91

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
DIRECTOR — DATE 1/8/91
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE 1/7/91

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
COUNTY HEALTH OFFICER — DATE 1-11-91

8-28-90

LISTING OF OPEN SPACE LOT AND PARCEL NUMBERS FOR AREAS OF PROPOSED PATHWAY CONSTRUCTION:

OS LOT 1 - VHR, 3/2, Plat No. 5616
OS LOT 12 - VHR, 3/8, Plat No. 6205
OS LOT 39 - VHR, 3/11, Plat No. 6418
OS LOT 44 - VHR, 3/14, Plat No. 7180
OS LOT 47 - VHR, 3/10, Plat No. 6722
OS LOT 66 - VHR, 3/12, Plat No. 6885
OS LOT 73 - VHR, 3/7, Plat No. 6238
OS LOT 78 - VHR, 3/9, Plat No. 6241, 6242
OS LOT 96 - VHR, 4/1, Plat No. 7067
OS LOT 148 - VHR, 3/13, Plat No. 7051
OS LOT 149 - VHR, 3/13, Plat No. 7052
OS LOT 150 - VHR, 3/13, Plat No. 7052

OWNER/DEVELOPER
COLUMBIA PARK & RECREATION ASSOCIATION
9961 BROKEN LAND PARKWAY
SUITE 300
COLUMBIA, MD. 21046
301-381-0020

ADDRESS CHART

| BUILDING | STREET ADDRESS |
|---|---|
| | |
| | |
| | |
| | |
| | |

| SUBDIVISION NAME | | | SECTION/AREA | LOT/PARCEL |
|---|---|---|---|---|
| CLARY'S FOREST | | | SEE SHEET 1 OF 5 | |
| PLAT | BLOCK | ZONE | TAX/ZONE MAP | ELEC DIST | CENSUS TR |
| 1992 | 19,20 | OS | 35 | 5 | 6055.01 |
| WATER CODE | | | SEWER CODE | |
| N/A | | | N/A | |

**RESPONSIBLE PERSONNEL CERTIFICATION**
"I HEREBY CERTIFY THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."
SIGNATURE OF DEVELOPER (PRINT NAME BELOW) — DENIS ELLIS (CA) — DATE
Joseph H. Nacker Jr. (A&D)

**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."
SIGNATURE OF ENGINEER (PRINT NAME BELOW) — DATE 8/6/90
JOHN M. CHRISTMAN P.E.

**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 OR THIER AUTHORIZED AGENTS, AS DEEMED NECESSARY."
SIGNATURE OF DEVELOPER (PRINT NAME BELOW) — DENIS ELLIS (CA) — DATE 12-14-89
Joseph H. Nacker, Jr. (A&D)

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
APPROVED: HOWARD SCD — DATE 9/21/90

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
APPROVED: U.S. SOIL CONSERVATION SERVICE — DATE 9/21/90

STATE OF MARYLAND — JOHN M. CHRISTMAN, P.E. — MD. NO. 14889

| revisions | | |
|---|---|---|
| no. | description | date |
| 1 | REVISED PER COUNTY COMMENTS | 8/1 |

prepared by
RBA GROUP ENGINEERS • ARCHITECTS • PLANNERS
5580 STERRETT PLACE, SUITE 300
COLUMBIA, MARYLAND 21044
301/730-7990 621-6050

TITLE SHEET

CLARY'S FOREST NEIGHBORHOOD OPEN SPACE MASTER PLAN
VILLAGE OF HICKORY RIDGE

| SCALE | |
|---|---|
| AS SHOWN | |
| DRAWN TR | CHECKED LDT |
| PROJ. NO. 9165 | DATE 3/90 |
| 1 SHEET | 6 OF |

SDP-90-183

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR DATE

CHIEF, BUREAU OF ENGINEERING DATE

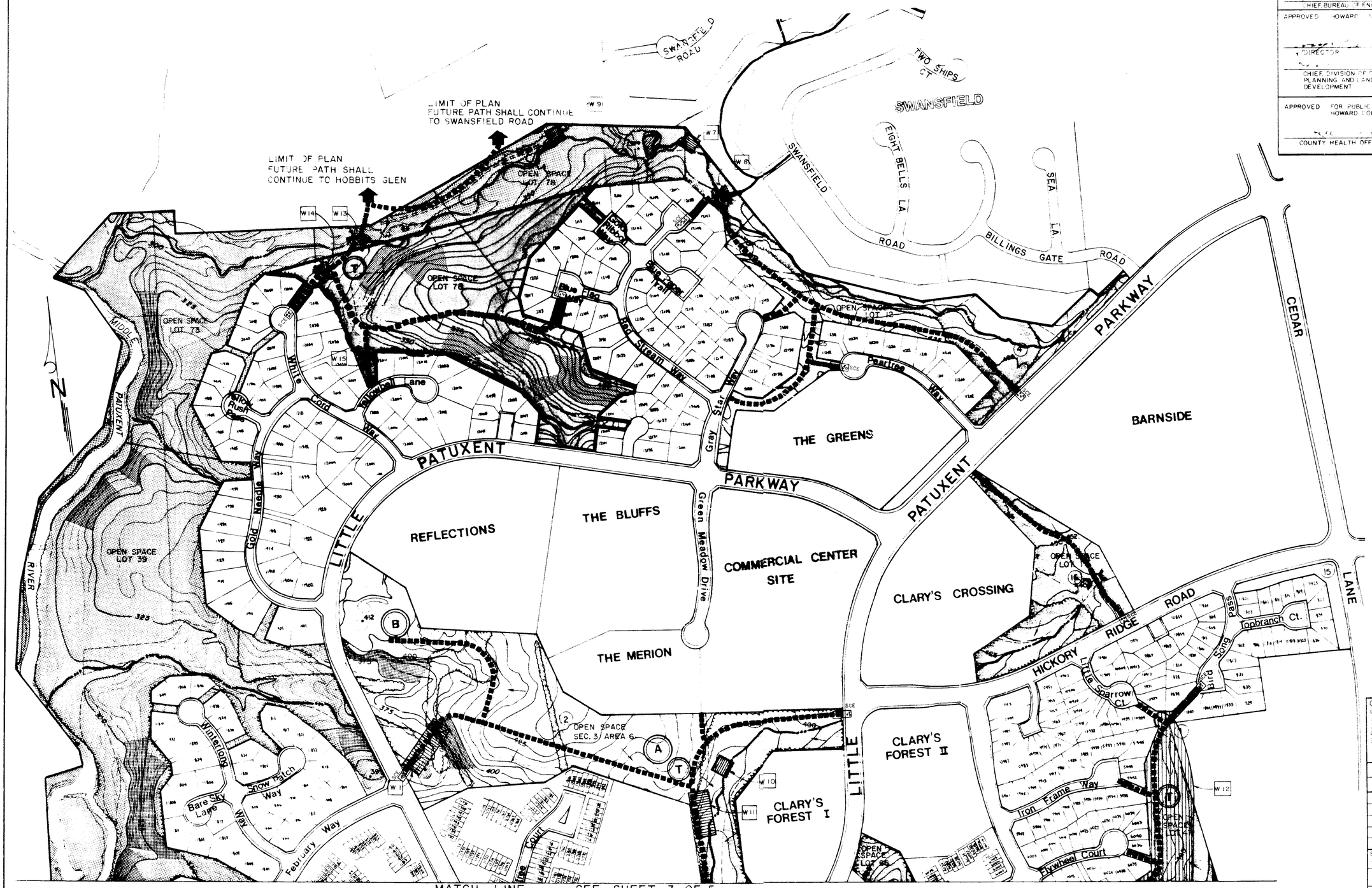
APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DIRECTOR DATE

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

COUNTY HEALTH OFFICER DATE




MATCH LINE - SEE SHEET 3 OF 5

## LEGEND

- HOWARD COUNTY LAND (MIDDLE PATUXENT RESERVE) Howard County
- HOWARD COUNTY LAND (MIDDLE PATUXENT RESERVE) - Licensed Agreement Area Pathways and Tot Lots maintained by C.A.
- OPEN SPACE LAND Columbia Association
- COMMERCIAL CENTER
- 20% SLOPES OR GREATER
- EDGE OF WOODS TYP.
- EXISTING PATHWAY
- PROPOSED PATHWAY
- PROPOSED BRIDGE CROSSING OVER STREAM
- (16) CA LOT IDENTIFICATION NO.
- (T) FUTURE TOT LOT
- (A) FUTURE PLAY MEADOW
- (B) FUTURE SITTING AREA AT OVERLOOK
- WETLAND AREA (W1)

GENERAL NOTES

1. ALL TREES 10" 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 16.116(a)6. IN THE EVENT THAT WORK WILL BE DONE WITHIN A 25' WETLAND BUFFER OR 75' STREAM BUFFER AREA. WP 90-129 APPROVED.

OWNER/DEVELOPER
COLUMBIA PARK AND RECREATION ASSOCIATION
5961 TRUMPETER LAND PARKWAY
SUITE 100
COLUMBIA, MD. 21044
301-381-0020

ADDRESS CHART

| BUILDING | STREET ADDRESS |
|---|---|
| | |

| SUBDIVISION NAME | SECTION/AREA | LOT/PARCEL |
|---|---|---|
| CLARY'S FOREST | SEE SHEET 1 OF 5 | |

| PLAT | BLOCK | ZONE | TAX/ZONE | MAP | ELEC DIST | CENSUS TR |
|---|---|---|---|---|---|---|
| 992 | 4 & 11 | NT, OS | 35 | | | |

| WATER CODE | SEWER CODE |
|---|---|
| N/A | N/A |

### RESPONSIBLE PERSONNEL CERTIFICATION

"I HEREBY CERTIFY THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT"

SIGNATURE OF DEVELOPER DATE
(PRINT NAME BELOW) Joseph H. Necker, Jr. (H.D.)

### 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."

SIGNATURE OF ENGINEER DATE 8/6/90
(PRINT NAME BELOW)
JOHN M. CHRISTMAN, P.E.

### 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 OR THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY."

SIGNATURE OF DEVELOPER DATE
PRINT NAME BELOW Joseph H. Necker, Jr. (H.D.)

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

JOHN M. CHRISTMAN, P.E.
No. 14889

| revisions | | |
|---|---|---|
| no. | description | date |
| 1 | REVISED PER COUNTY COMMENTS | 8/91 |

prepared by
RBA GROUP ENGINEERS • ARCHITECTS • PLANNERS
5560 STERRETT PLACE, SUITE 300
COLUMBIA, MARYLAND 21044
301-730-7950 621-6050

# PATHWAY AND TOT LOT LAYOUT

CLARY'S FOREST NEIGHBORHOOD
OPEN SPACE MASTER PLAN
HOWARD COUNTY, MARYLAND

| SCALE | |
|---|---|
| 1" = 200' | |
| DRAWN | CHECKED |
| M.M. | |
| PROJ. NO. | DATE |
| 7165 | 7/90 |

SHEET 2 OF 6

MATCH LINE - SEE SHEET 2 OF 5

MATCH LINE - SEE SHEET 4 OF 5

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

DIRECTOR — DATE

CHIEF, BUREAU OF ENGINEERING — DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DIRECTOR — DATE

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE

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

COUNTY HEALTH OFFICER — DATE

## LEGEND

- HOWARD COUNTY LAND, MIDDLE PATUXENT PRESERVE (Howard County)
- HOWARD COUNTY LAND, MIDDLE PATUXENT PRESERVE (Licensed Aggreement Areas, Pathways and Tot Lots maintained by CA)
- OPEN SPACE LAND (Columbia Association)
- COMMERCIAL CENTER
- 20% SLOPES OR GREATER
- EDGE OF WOODS LINE
- EXISTING PATHWAY
- PROPOSED PATHWAY
- PROPOSED BRIDGE CROSSING OVER STREAM
- (16) TOT LOT IDENTIFICATION NO.
- (T) FUTURE TOT LOT
- (A) FUTURE PLAY MEADOW
- (B) FUTURE SITTING AREA AT OVERLOOK
- WETLAND AREA (W)

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 6.11.6.6.6, IN THE EVENT THAT WORK WILL BE DONE WITHIN A 25' WETLAND BUFFER OR 75' STREAM BUFFER AREA. WP 90-129 APPROVED.

OWNER/DEVELOPER
COLUMBIA PARK AND RECREATION ASSOCIATION
9561 BROKEN LAND PARKWAY
SUITE 300
COLUMBIA, MD 21046
301-381-7020

ADDRESS CHART

| BUILDING | STREET ADDRESS |
|---|---|
| | |

| SUBDIVISION NAME | SECTION/AREA | LOT/PARCEL |
|---|---|---|
| CLARY'S FOREST | SEE SHEET 1 OF 5 | |

| PLAT | BLOCK | ZONE | TAX/ZONE | MAP | ELEC DIST | CENSUS TR |
|---|---|---|---|---|---|---|
| 992 | 4 & 10 | OS | 35 | | | |

WATER CODE: N/A — SEWER CODE: N/A

**RESPONSIBLE PERSONNEL CERTIFICATION**

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

SIGNATURE OF DEVELOPER — DATE
(PRINT NAME BELOW) Joseph H. Nacker Jr. (AD)

**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."

SIGNATURE OF ENGINEER — DATE 8/6/90
PRINT NAME BELOW
JOHN M. CHRISTMAN, P.E.

**CERTIFICATION BY THE DEVELOPER**

"I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND I HEREBY AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY."

SIGNATURE OF DEVELOPER — DATE
PRINT NAME BELOW Joseph H. Nacker Jr. (AD)

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

APPROVED: HOWARD SCD — DATE

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.

APPROVED: U.S. SOIL CONSERVATION SERVICE — DATE

JOHN M. CHRISTMAN, P.E.
No. 11388

| revisions | | |
|---|---|---|
| no. | description | date |

prepared by
RBA GROUP ENGINEERS • ARCHITECTS • PLANNERS
5560 STERRETT PLACE, SUITE 300
COLUMBIA, MARYLAND 21044
(301) 730-7950 621-6050

# PATHWAY AND TOT LOT LAYOUT

CLARY'S FOREST NEIGHBORHOOD
OPEN SPACE MASTER PLAN
VILLAGE OF HICKORY RIDGE

| SCALE | |
|---|---|
| DRAWN | CHECKED |
| PROJ. NO. | DATE |
| SHEET 3 | OF 6 |

APPROVED: HOWARD COUNTY BUREAU OF SEWERAGE AND WATER SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR — DATE

CHIEF BUREAU — ENGINEERING

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DIRECTOR

CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

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

COUNTY HEALTH OFFICER

## LEGEND

- HOWARD COUNTY PARKLAND (Howard County)
- HOWARD COUNTY PARKLAND (Licensed Agreement ... Lots maintained ...)
- OPEN SPACE (Columbia)
- COMMERCIAL
- 20% SLOPES
- EDGE OF WOODS
- EXISTING PATHWAY
- PROPOSED PATHWAY
- PROPOSED BRIDGE OVER ...
- (6) CA LOT IDENTIFICATION
- (T) FUTURE
- (A) FUTURE
- (B) FUTURE SITTING AREA OVERLOOK
- WETLAND AREA

GENERAL NOTES
ALL TREES ... SHOULD REMAIN PROTECTED AND STURDY.
THERE IS PER ... TO HOWARD COUNTY ... DEVELOPMENT ENGINEERING ... RELEASE WITHIN ... STREAM BUFFER AREA WITHOUT APPROVAL

OWNER/DEVELOPER
COLUMBIA ASSOCIATES
10 BROKEN LAND PARKWAY
SUITE 100
COLUMBIA, MD 21044
(410) 992-6323

ADDRESS CHART
BUILDING STREET NAME

| SUBDIVISION NAME | SECTION/AREA | LOT/OUTLOT |
|---|---|---|
| CLARY'S FOREST | | |

| PLAT | BLOCK | ZONE | TAX ZONE | MAPS | ELECTION DISTRICT | CENSUS TRACT |
|---|---|---|---|---|---|---|
| 142 | 19 | CR | 06 | | | |

WATER CODE — SEWER CODE

| RESPONSIBLE PERSONNEL CERTIFICATION | CERTIFICATION BY THE ENGINEER | CERTIFICATION BY THE DEVELOPER |
|---|---|---|
| I HEREBY CERTIFY THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. | 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. | 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 THAT AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY. |
| SIGNATURE OF DEVELOPER (PRINT NAME BELOW) — DATE — Joseph H. Necker, Jr. (HD) | 8/6/90 SIGNATURE OF ENGINEER (PRINT NAME BELOW) JOHN M. CHRISTMAN, P.E. — DATE | SIGNATURE OF DEVELOPER (PRINT NAME BELOW) — DATE — Joseph H. Necker, Jr. (HD) |

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

JOHN M. CHRISTMAN, P.E.
NO. 11989

| revisions | | |
|---|---|---|
| no. | description | date |

prepared by
RBA GROUP ENGINEERS • ARCHITECTS • PLANNERS
5560 STERRETT PLACE, SUITE 300
COLUMBIA, MARYLAND 21044
301 730-7950 621-6050

# PATHWAY AND TOT LOT LAYOUT

CLARY'S FOREST NEIGHBORHOOD
OPEN SPACE MASTER PLAN

VILLAGE OF HICKORY RIDGE

SCALE
DRAWN
PROJ. NO.
SHEET 4 OF 6

# SEDIMENT AND EROSION CONTROL NOTES

1. 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)
2. 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.
3. 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 (3:1) AND B) FOURTEEN (14) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
4. ALL SEDIMENT TRAPS/BASIN SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOLUME 1, CHAPTER 12 OF 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 (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.
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. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
8. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY DEPT. OF PUBLIC WORKS SEDIMENT CONTROL INSPECTOR.
9. ON ALL SITES, 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.
10. 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.
11. 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.
12. ANY CHANGE TO THE GRADING PROPOSED ON THIS PLAN REQUIRES RE- SUBMISSION TO HOWARD COUNTY SOIL CONSERVATION DISTRICT FOR APPROVAL.
13. DUST CONTROL WILL BE PROVIDED FOR ALL DISTURBED AREAS. REFER TO 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, PP 62.01 OR 62.02 FOR ACCEPTABLE METHODS AND SPECIFICATIONS FOR JUST CONTROL.
14. 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.
15. ANY DISTURBED EARTH LEFT IDLE FOR PERIODS EXCEEDING 14 DAYS SHALL BE STABILIZED ACCORDING TO TEMPORARY STABILIZATION SPECIFICATIONS.
16. AT THE END OF EACH WORKING DAY ALL SEDIMENT CONTROL PRACTICE WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.

18. 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.
19. THE SEDIMENT CONTROL APPROVALS ON THIS PLAN EXTEND ONLY TO AREAS AND PRACTICES IDENTIFIED AS PROPOSED WORK.
20. THE APPROVAL OF THE PLAN FOR SEDIMENT AND EROSION CONTROL DOES NOT RELIEVE THE DEVELOPER/CONSULTANT FROM COMPLYING WITH ANY FEDERAL/STATE/COUNTY REQUIREMENTS APPERTAINING TO ENVIRONMENTAL ISSUES.

## SEDIMENT CONTROL

( ) PROVIDE THE FOLLOWING CERTIFICATION BLOCKS ON SEDIMENT CONTROL PLANS:

( ) BY THE DEVELOPER:

"I/WE 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 DEPARTMENT OF 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 — DATE 12-14-89
PRINT NAME BELOW SIGNATURE — DENNIS ELLIS

## SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT FROM HO. CO. DEPT. OF LICENSES AND PERMITS.
2. NOTIFY MD DEPT. OF ENVIRONMENT TEN (10) DAYS PRIOR TO COMMENCING WORK. VERBAL NOTIFICATION IS TO BE FOLLOWED BY WRITTEN NOTICE WITHIN TEN (10) DAYS.
3. NOTIFY THE HO.CO. BUREAU OF LICENSES, INSPECTIONS AND PERMITS AT LEAST 48 HOURS BEFORE ANY WORK BEGINS.
4. CLEAR AND GRUB FOR SEDIMENT AND EROSION CONTROL MEASURES ONLY. 2 DAYS
5. INSTALL STABILIZED CONSTRUCTION ENTRANCES. 1 DAY
6. INSTALL SEDIMENT AND EROSION CONTROL MEASURES ASSOCIATED WITH BRIDGE CROSSING AREAS. INSTALL BRIDGES TO AVOID DISTURBANCE AT EXISTING STREAM CHANNELS. 5 DAYS
7. INSTALL SILT FENCE ALONG THE PATH SECTION TO BE CONSTRUCTED. PLACE ON THE DOWNHILL SIDE OF THE PROPOSED PATH. IN ACCORDANCE WITH HO. CO. SOIL CONSERVATION DISTRICT, DIVISION OF LICENSE AND PERMITS AND 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. 2 DAYS
8. NOTIFY HO. CO. DEPT. OF PERMITS AND LICENSES, SEDIMENT CONTROL DIVISION, UPON COMPLETION OF SAID INSTALLATION.
9. ALL PROPOSED PATHWAY LOCATIONS SHALL BE FIELD STAKED AND APPROVED BY THE PROJECT ENGINEER. PATHWAYS SHALL BE LAID OUT 30' FROM EXISTING STREAM CHANNELS WHERE OPEN SPACE PROPERTY LIMITS PERMIT.
10. WITH THE APPROVAL OF HO. CO. DEPT. OF LICENSES AND PERMITS AND THE SEDIMENT CONTROL INSPECTOR, CLEAR AND GRUB AREAS FOR PATHWAY CONSTRUCTION 3 DAYS
11. GRADE AREAS FOR PATHWAY CONSTRUCTION AS CLOSE TO EXISTING GRADES AS POSSIBLE CROSS SLOPES SHALL REFLECT EXISTING TOPOGRAPHIC CONDITIONS. 3 DAYS
12. MAINTAIN POSITIVE DRAINAGE TO SEDIMENT CONTROL STRUCTURES. NO SLOPES TO EXCEED 3:1 SLOPE. STABILIZE ROUGH GRADED AREAS. 2 DAYS
13. STABILIZE ALL DISTURBED AREAS IMMEDIATELY FOLLOWING INITIAL SOIL DISTURBANCE AND WITHIN 14 DAYS.
14. INSTALL BASE COURSE AND BITUMINOUS ASPHALT AS REQUIRED TO MAINTAIN POSITIVE DRAINAGE FLOW. PERMANENTLY STABILIZE ALL DISTURBED AREAS ON EITHER SIDE OF PATHWAYS. 10 DAYS
15. AFTER OBTAINING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL EROSION CONTROL DEVICES AND STABILIZE THOSE AREAS. 1 DAY

# 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, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: USE 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 600 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 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 LBS/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 (.05 LBS/100 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 SOD. OPTION (3) SEED WITH 60 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 8 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.

# TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

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

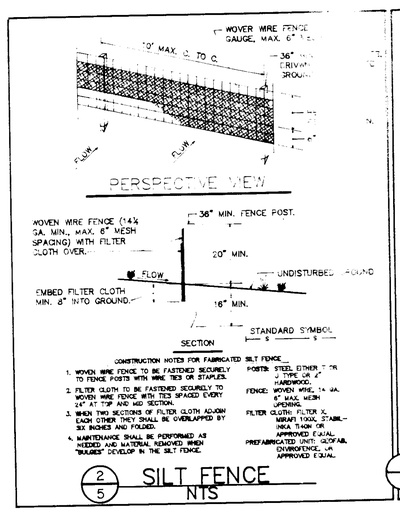
SOIL AMENDMENTS: APPLY 60 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.)

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 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.

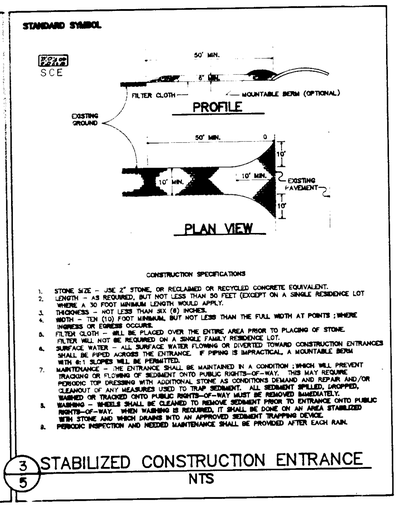
MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL./1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER,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

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

A. SITE ANALYSIS:
1. PROPOSED PATHWAY 21,900 LF TOTAL, 131,400 SF PAVED AREA.
2. PROPOSED BRIDGE CROSSING 11 TOTAL
3. FUTURE TOT LOT 6 TOTAL
4. FUTURE PLAY MEADOW 1 TOTAL
5. FUTURE SITTING AREA AT OVERLOOK 2 TOTAL
6. TOTAL DISTURBED AREA PATHWAY CONSTRUCTION = 21,900 L.F. x 10'W = 219,000 S.F. OR 5.027 AC.
7. TOTAL CUT 1975 CY. CONTRACTOR SHALL TRANSPORT EXCESS SPOIL MATERIAL TO THE ALPHA RIDGE LANDFILL 2350 MARRIOTTSVILLE ROAD MARRIOTTSVILLE, MD. 21163 (301) 442-1360




2/5 SILT FENCE
NTS




3/5 STABILIZED CONSTRUCTION ENTRANCE
NTS

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

DIRECTOR — DATE
CHIEF, BUREAU OF ENGINEERING — DATE

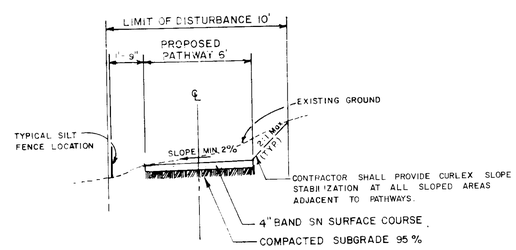
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

DIRECTOR — DATE
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE

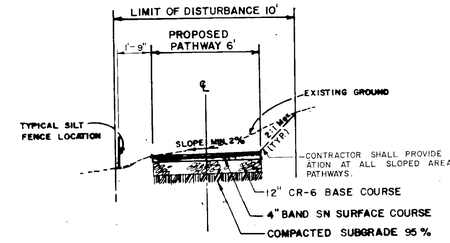
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER — DATE

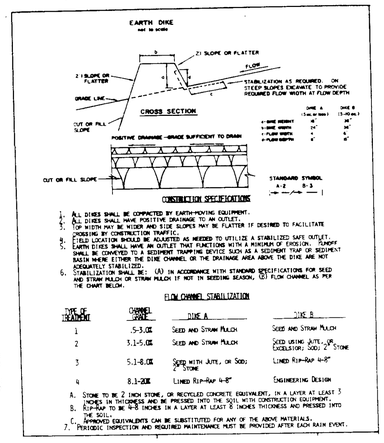
APPROVED
DATE 6-28-90



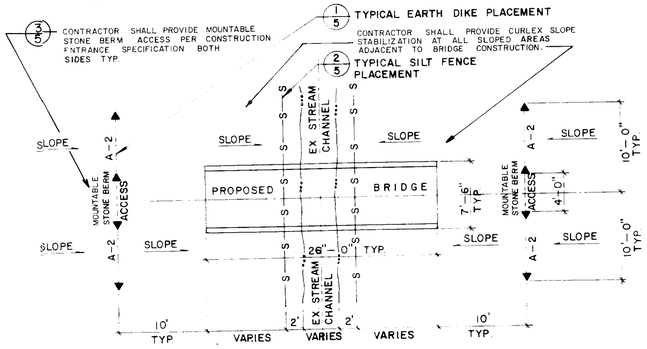

4/5 TYPICAL PATHWAY CROSS SECTION
SCALE : 1/4" = 1'-0"




6/5 TYPICAL PATHWAY CROSS SECTION WITHIN NON-TIDAL WETLAND AREAS
SCALE : 1/4" = 1'-0"




1/5 EARTH DIKE
NTS




5/5 BRIDGE INSTALLATION PLAN
SCALE : 1/8" = 1'-0"

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

| ADDRESS CHART | |
|---|---|
| BUILDING | STREET ADDRESS |

| SUBDIVISION NAME | SECTION/AREA | LOT/PARCEL |
|---|---|---|
| CLARY'S FOREST | SEE SHEET 1 OF 5 | |

| PLAT | BLOCK | ZONE | TAX/ZONE MAP | ELEC DIST | CENSUS TR |
|---|---|---|---|---|---|
| 1992 | 14 | OS | 35 | 5 | 6053.01 |

| WATER CODE | SEWER CODE |
|---|---|
| N/A | N/A |

RESPONSIBLE PERSONNEL CERTIFICATION
"I HEREBY CERTIFY THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."
SIGNATURE OF DEVELOPER — DATE 12-14-89
(PRINT NAME BELOW) — DENNIS ELLIS (CA)
Joseph H. Necker, Jr. (HCD)

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."
SIGNATURE OF ENGINEER — DATE 8/6/90
(PRINT NAME BELOW)
JOHN M. CHRISTMAN P.E.

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 OR THIER AUTHORIZED AGENTS, AS DEEMED NECESSARY."
SIGNATURE OF DEVELOPER — DATE 12.14.89
(PRINT NAME BELOW) — DENNIS ELLIS (CA)
Joseph H. Necker, Jr. (HCD)

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

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS
APPROVED: U.S. SOIL CONSERVATION SERVICE — DATE

JOHN M. CHRISTMAN
MD. NO. 14889

| revisions | | |
|---|---|---|
| no. | description | date |
| | REVISED PER COUNTY COMMENT | 8/1 |

prepared by
THE RBA GROUP ENGINEERS • ARCHITECTS • PLANNERS
5560 STERRETT PLACE, SUITE 300
COLUMBIA, MARYLAND 21044
301 / 730-7950 621-6050

SEDIMENT & EROSION CONTROL AND SITE DETAIL SHEET
CLARY'S FOREST NEIGHBORHOOD
OPEN SPACE MASTER PLAN
VILLAGE OF HICKORY RIDGE

| SCALE AS SHOWN | |
|---|---|
| DRAWN TR | CHECKED LDT |
| PROJ. NO 9165 | DATE 3/90 |
| SHEET 5 | OF 6 |

SDP-90-183

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

DIRECTOR — DATE

CHIEF, BUREAU OF ENGINEERING — DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

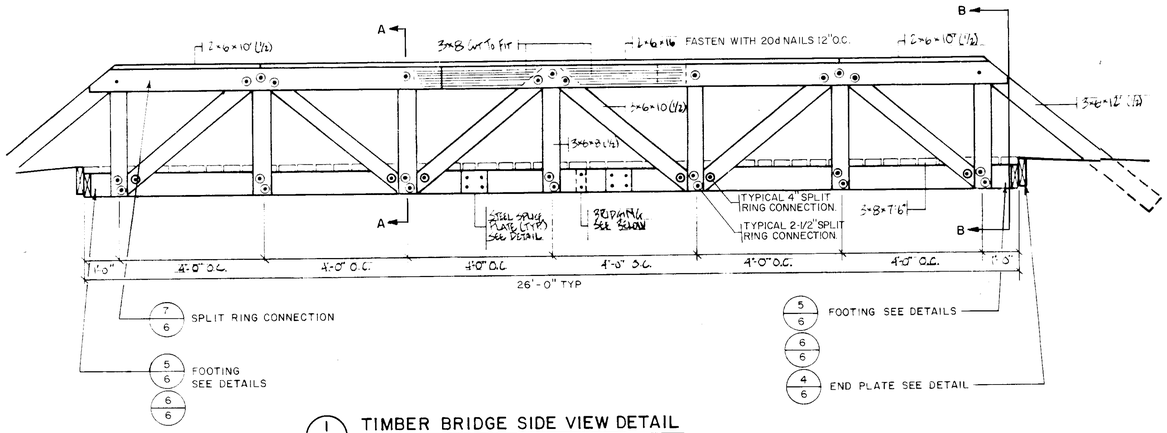
DIRECTOR — DATE

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT — DATE

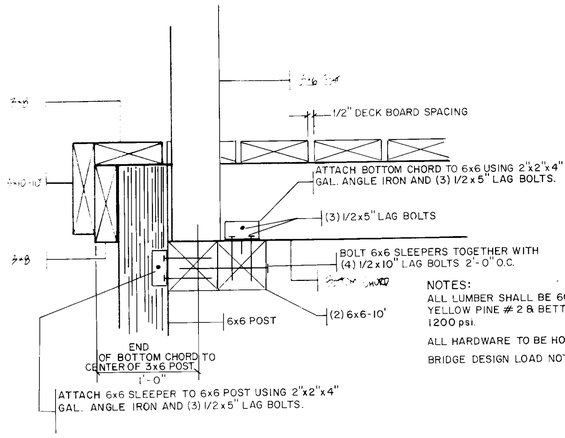
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

(COUNTY) HEALTH OFFICER — DATE

APPROVED
DATE 8-20-90

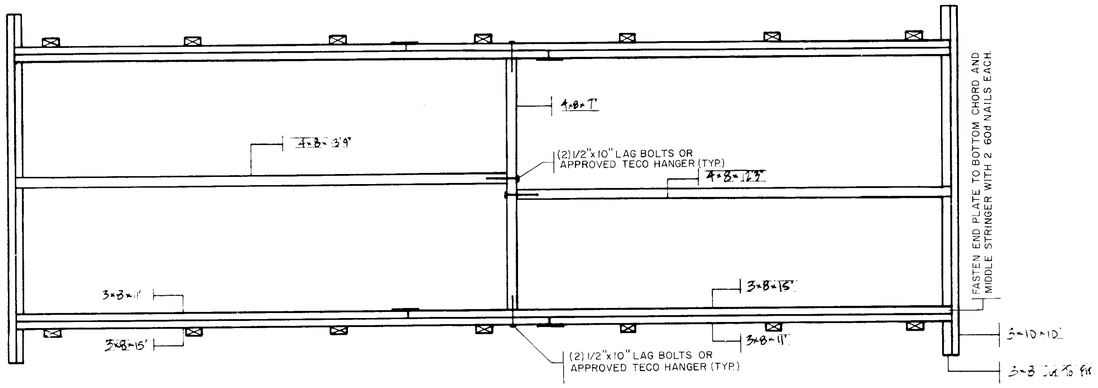



1/6 TIMBER BRIDGE SIDE VIEW DETAIL
SCALE: 1/2" = 1'-0"

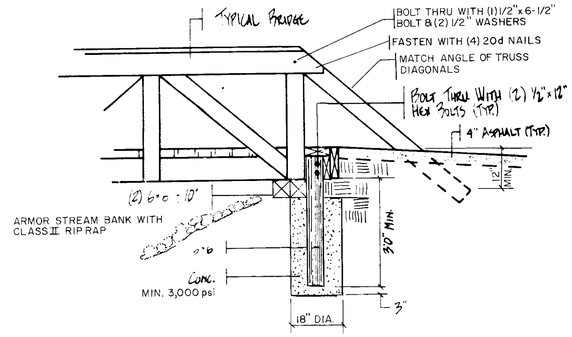



NOTES:
ALL LUMBER SHALL BE 60 C.C.A. TREATED SOUTHERN YELLOW PINE #2 & BETTER S4S MIN. STRESS GRADE 1200 psi.
ALL HARDWARE TO BE HOT DIPPED GALVANIZED.
BRIDGE DESIGN LOAD NOT TO EXCEED 3 TONS.

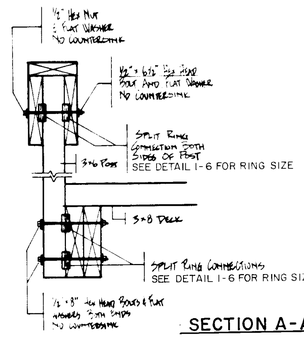
4/6 END PLATE SIDE VIEW
SCALE: 1-1/2" = 1'-0"




2/6 TIMBER BRIDGE DECK FRAMING PLAN
SCALE: 1/2" = 1'-0"

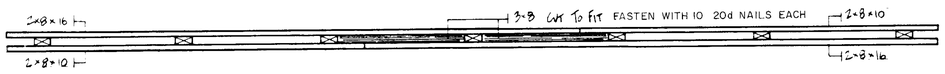



5/6 SIDE VIEW FOOTING DETAIL
SCALE: 1/2" = 1'-0"

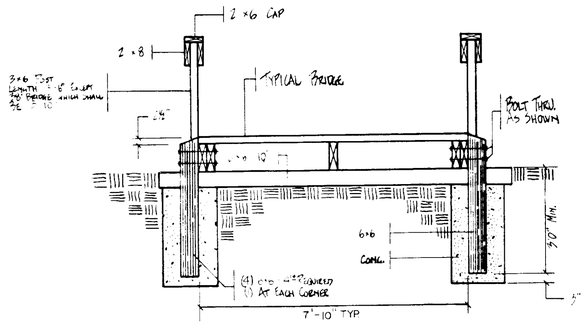



SECTION A-A

7/6 SPLIT RING CONNECTION DETAIL
SCALE: 1-1/2" = 1'-0"




3/6 TIMBER BRIDGE TOP CHORD DETAIL
SCALE: 1/2" = 1'-0"




6/6 END VIEW FOOTING DETAIL SECTION B-B
SCALE: 1/2" = 1'-0"

NOTE: BRIDGE DETAILS SHOWN ON THIS SHEET WERE PREPARED BY THE COLUMBIA ASSOCIATION.

OWNER/DEVELOPER
COLUMBIA PARK & RECREATION ASSOCIATION
9881 BROKEN LAND PARKWAY
SUITE 300
COLUMBIA, MD. 21046
301-381-0020

ADDRESS CHART

| BUILDING | STREET ADDRESS |
|---|---|
| | |

| SUBDIVISION NAME | SECTION/AREA | LOT/PARCEL |
|---|---|---|
| CLARY'S FOREST | SEE SHEET 1 OF 5 | |

| PLAT | BLOCK | ZONE | TAX/ZONE MAP | ELEC DIST | CENSUS TR |
|---|---|---|---|---|---|
| 1992 | 4,9,10 11,16 | OS | 35 | 5 | 6053.01 |

| WATER CODE | SEWER CODE |
|---|---|
| N/A | N/A |

RESPONSIBLE PERSONNEL CERTIFICATION
"I HEREBY CERTIFY THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."
SIGNATURE OF DEVELOPER (PRINT NAME BELOW) — DATE 12-14-89
Denis Ellis (CA)
Joseph H. Necker, Jr. (HCD)

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."
SIGNATURE OF ENGINEER (PRINT NAME BELOW) — DATE 8/6/90
JOHN M. CHRISTMAN, P.E.

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 OR THIER AUTHORIZED AGENTS, AS DEEMED NECESSARY."
SIGNATURE OF DEVELOPER (PRINT NAME BELOW) — DATE 12-14-89
Denis Ellis (CA)
Joseph H. Necker, Jr. (HCD)

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

STATE OF MARYLAND — REGISTERED PROFESSIONAL ENGINEER — JOHN M. CHRISTMAN — No. 14889
JOHN M. CHRISTMAN, PE
MD. NO. 14889

| revisions | | |
|---|---|---|
| no. | description | date |
| 1 | REVISED PER COUNTY COMMENTS. | 8/1 |

prepared by
The RBA Group — ENGINEERS • ARCHITECTS • PLANNERS
5560 STERRETT PLACE, SUITE 300
COLUMBIA, MARYLAND 21044
301 / 730-7950 621-6050

# TYPICAL BRIDGE DETAILS

CLARY'S FOREST NEIGHBORHOOD OPEN SPACE MASTER PLAN
VILLAGE OF HICKORY RIDGE

| SCALE | |
|---|---|
| AS SHOWN | |
| DRAWN: LDT | CHECKED: LDT |
| PROJ. NO.: 9165 | DATE: 3/90 |
| 6 SHEET | 6 OF |

SDP-90-183