GENERAL NOTES

1. TOPOGRAPHY ON THESE DRAWINGS ARE BASED ON FIELD RUN SURVEY BY THE RBA GROUP, INC. IN JULY 1995 THE INFORMATION SHOWN OR NOT SHOWN HEREON DOES NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR PROPER COMPLETION OF GRADING.

2. ALL WORK SHALL BE 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 UN-ACCEPTABLE.

4. THE LOCATION OF EXISTING UTILITES SHOWN ON THESE PLANS ARE FROM THE BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT EXISTING UTILITIES AND MAINTAIN UNINTERUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S ACTIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.

5. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION AND MAINTAIN MINIMUM COVER IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL.

MIN. COVER OVER WATER MAINS: 3.5'

MIN. COVER OVER SANITARY LINES: 2.5' ABOVE INVERT MIN. COVER OVER STORM DRAIN: 18"

6. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING AT LEAST 5 DAYS BE-FORE THE START OF WORK SHOWN ON THESE PLANS:

"MISS UTILITY" 1-800-257-7777 BALTIMORE GAS & ELECTRIC CO. (410) 954-6260

C & P TELEPHONE CO. (410) 393-3648

7. FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NORMALLY

7. FAILURE TO MENTION SPECIFICALLY ANY WORK WHICH WOULD NORMALLY
BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR
OF HIS RESPONSIBILITY TO PREFORM SUCH WORK.

8. THE CONTRACTOR SHALL OBTAIN THE NECESSARY PERMITS FOR CONSTRUCTION.

9. A WAIVER HAS BEEN SUBMITTED FOR STORM WATER MANAGEMENT QUANTITY AND QUALITY CONTROL. A FEE IN LIEU OF STORMWATER MANAGEMENT HAS BEEN REQUESTED.

10. THE CONTRACTOR SHALL CONTACT THE DEPARTMENT OF PUBLIC WORKS, DIVISION OF CONSTRUCTION & INSPECTION AT (410) 313—1860 48 HOURS IN ADVANCE OF THE COMMENCEMENT OF WORK.

11. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL STAKE OUT ALL CONSTRUCTION AND VERIFIY ALL OFFSETS, SETBACKS, EXISTING UTILITY LOCATIONS (HORIZONTAL AND VERTICAL), AND DIMENSIONS.

12. SCALING OF THESE PLANS IS DISCOURAGED UNLESS DIRECTED BY THE ENGINEER. 13. ALL FILL SHALL BE ROLLED TO A MINIMUM DEGREE OF COMPACTION TO 95% OF WEIGHT AS DETERMINED BY ASTM-D-698.

14. ALL TREES 12" IN DIAMETER OR GREATER SHALL REMAIN PROTECTED AND UNDAMAGED AT ALL TIMES. AN ATTEMPT WILL BE MADE TO PROTECT ALL OTHER TREES THROUGH FIELD ADJUSTMENTS TO THE PATHWAY LAYOUT. THE EXISTING TREES ARE, AS BEST AS CAN BE DETERMINED, THE TREES TO REMAIN.

15. THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS, OR RIGHTS—OF—WAYS THAT MAY BE REQUIRED TO COMPLETE THE WORK SHOWN HEREON.

17. 100 YR FLOOD PLAIN AND WETLANDS SHOWN ARE BASED ON PLATS LISTED IN THE LOT SUMMARY (THIS SHEET).

18. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES AND NOTIFY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (410) 313-1855. SEE SHEET 5 FOR ADDITIONAL NOTES.

19. ALL PROPOSED IMPROVEMENTS WILL BE MAINTAINED BY THE OWNER.

20. PREVIOUS COUNTY FILE NUMBERS: F-95-25, SDP-92-40, FDP-PHASE 216.

21. ADJUSTMENTS TO THE SEQUENCE OF CONTRUCTION MUST BE APPROVED BY THE HOWARD COUNTY CONSTRUCTION & INSPECTION DIVISION PRIOR TO SUCH ADJUSTMENTS.

22. ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE

23. THIS DEVELOPMENT IS SUBJECT TO ALL REQUIREMENTS OF MD WRA PERMIT# 95-NT-0949/199569495 FOR WORK IN NON-TIDAL WETLANDS, FLOODPLAINS AND WETLAND BUFFERS.

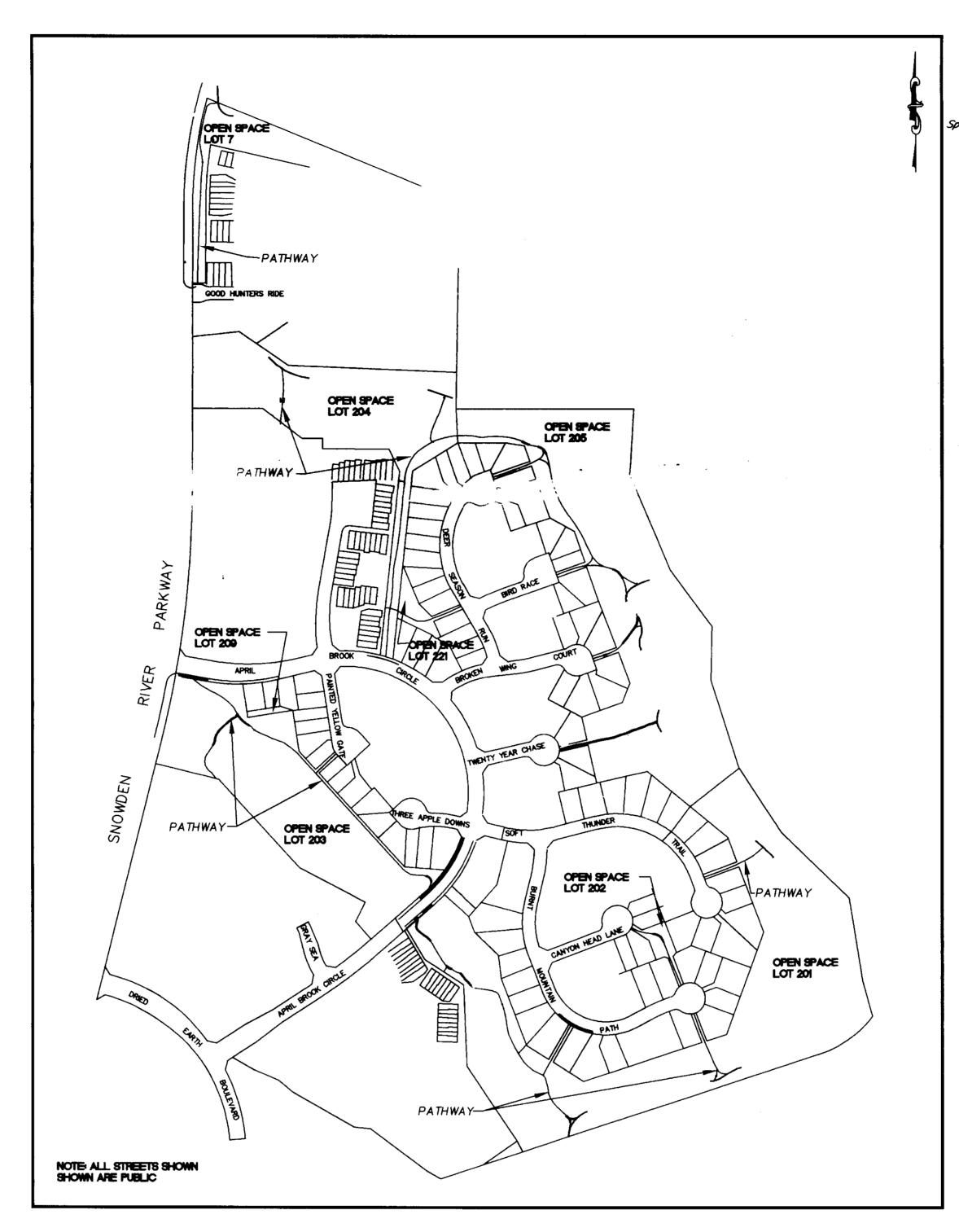
SITE ANALYSIS

CONTRACTOR'S EXPENSE.

TOTAL AREA OF SITE: 58.26 ACRES
PRESENT ZONING: NEW TOWN
TOTAL LENGTH OF PROPOSED PATHWAY: 7,800 L.F.
LIMITS OF DISTURBANCE: 1.79 ACRES

| LOT SUMMARY | | |
|--------------------|----------|------------|
| OPEN SPACE LOT NO. | PLAT NO. | TOTAL S.F. |
| 7 | 8576 | 409,004 |
| 201 | 11599 | 758,401 |
| 202 | 11599 | 14,727 |
| 203 | 11596 | 371,819 |
| 204 | 11597 | 338,126 |
| 205 | 11598 | 622,152 |
| 209 | 11677 | 3,333 |
| 221 | 11678 | 20,181 |

TOTAL ACRES: 58.



AREA MAP SCALE: 1"=300'

VILLAGE OF LONG REACH KENDALL RIDGE PHASE III PATHWAYS

SHEET INDEX

ET NO. TITLE

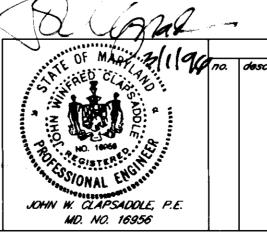
1 TITLE SHEET

2 LAYOUT PLAN

3 LAYOUT PLAN

4 LAYOUT PLAN

5 DETAILS



date

The BE ENGINEERS • ARCHITECTS • PLANMERS

Ann Amply RA. GOT AM. CORN

THE COLUMBIA GATEWAY DRIVE SUITE 200

COLUMBIA, MARYLAND 21046

410/312-0966

PLATS BLOCK ZONE TAX/ZONE MAP ELEC. DIST. CENCUS TO 6 6056

WATER CODE SEMER CODE NOT APPLICABLE

TITLE SHEET

AS SHOWN

DRAWN CHECKED

KENDALL RIDGE PHASE III PATHWAYS

HOWARD COUNTY MARYLAND SHEET

AGREEMENT between COLUMBIA ASSOCIATION (CA)

Spacific Terms

THE HOWARD SOIL CONSERVATION DISTRICT (HSCD)

- A. All work performed under this agreement shall comply fully with the requirements of the 1983 Maryland Standard and Specifications for Soil Erosion and sediment control and/or specific requirements which may be issued by MSCD.
- B. No work performed under this agreement shall be started until written approval (as defined herein) has been received from HSCD.
- C. CA shall be responsible for arranging for immediate repair of replacement of existing erosion or sediment control measures which are removed, damaged, or rendered ineffective by work covered under this agreement.
- D. This agreement applies to earth disturbing activities necessary for the construction of recreational pathways which may be surfaced with bituminous paving, concrete, stone or mulch.
- E. The following grading limitations are imposed:
 - 1) Earth work is limited to grubbing, cutting and filling (except as noted herein) necessary to construct pathways.
 - 2) Fill must be properly compacted, fill height not to exceed three (3) feet, and be not steeper than 33 percent, (3:1).
 - 3) Out slopes may not exceed 2:1, 50 percent.
 - 4) Grading may not impair surface drainage, create an erosion hazard or discharge sediment into any adjacent waterway.
 - 5) Grading or filling within the 100-year flood plain is not permitted.

In cases where these conditions can not be met, CA must contact the HSCD for specific recommendations. (This may involve preparation of a custom plan by CA)

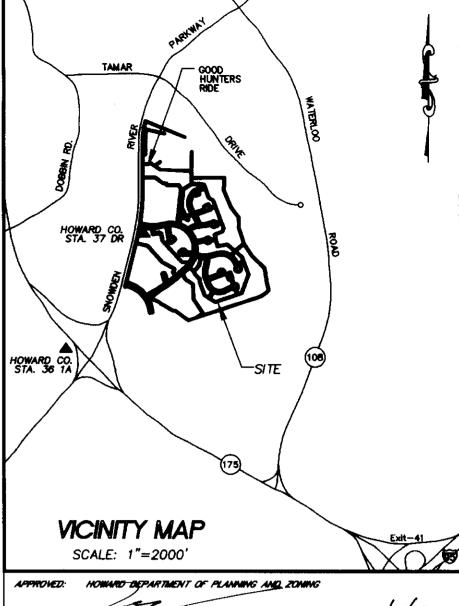
- F. Sediment and erosion control measures will be performed as follows:
 - Sediment control measures shall be placed as clearing and grubbing progresses on a day to day basis.
 - 2) Equipment entrances must be stabilized with stone to prevent tire tracking of sediment onto public streets. If tracking occurs, immediate cleanup is required.
 - 3) Sitt fence ar straw bale dikes shall be used around graded areas to contain sediment.
 - 4) Following initial soil disturbances or re-disturbance, permanent or temporary stabilization shall be complete within: a) seven days for the surface of all perimeter controls and all perimeter slopes; b) fourteen calendar days for all other disturbed or graded areas. Areas where active construction is in progress are exempt.

stabilized with concrete, blacktop, stone, or vegetable cover. Areas to be vegetatively stabilized (seeded) shall be stabilized during the first seeding period (March 1 thru April 30, or August 1 thru October 15) following grading. Extension Service Bulletin No. 171 may be used as a guide for seeding.

5) All off-site fill or borrow areas must have an approved sediment control plan and permit prior to grading.

Upon completion of final grading all disturbed areas shall be

- 6) The applicant shall notify the Howard County Sediment Control Division at least 48 hours prior to commencing clearing or grading.
- Compliance with the provisions of the agreement shall not relieve CA of taking additional measures when necessary to prevent erosion and sedimentation. Additional requirements may be imposed by the Howard County Sediment Control Inspector assigned to the job, when deemed necessary to prevent erosion and sedimentation.



APPROVED: HOWARD BEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION H.K.

SITU SUBMITION OF LAND DEVELOPMENT AND RESEARCH
DIRECTOR

ONNER

HOMARD RESEARCH & DEVELOPMENT CO.
10275 LITTLE PATUMENT PKNY
COLUMBIA, MARTIAND 21044
(410) 992-6370

CHIEF, DEVELOPMENT CO.
10275 LITTLE PATUMENT PKNY
COLUMBIA, MARTIAND 21044
(410) 715-3000

DATE 18 Jan. 1996

SECTION/AREA LOT/PARCEL

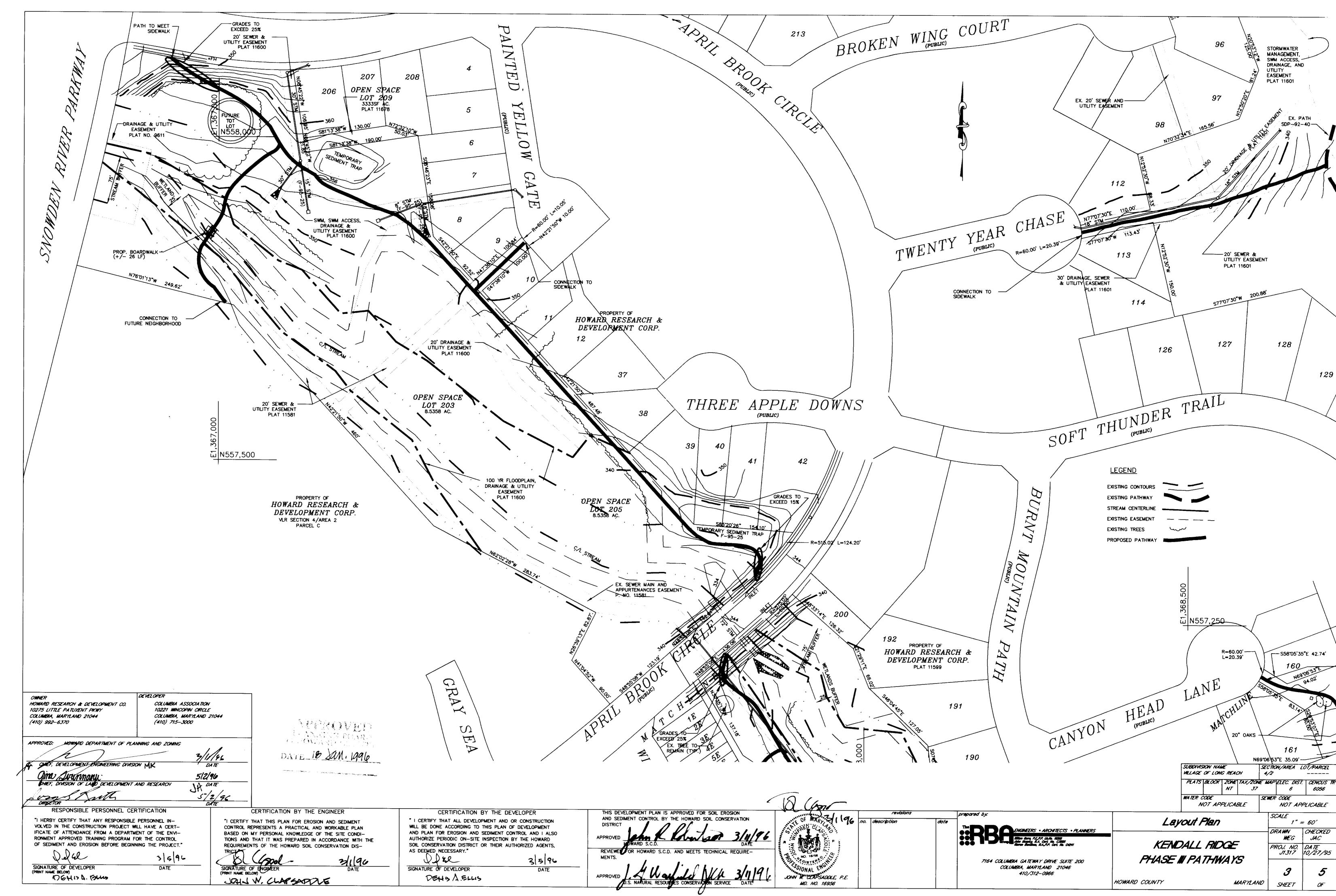
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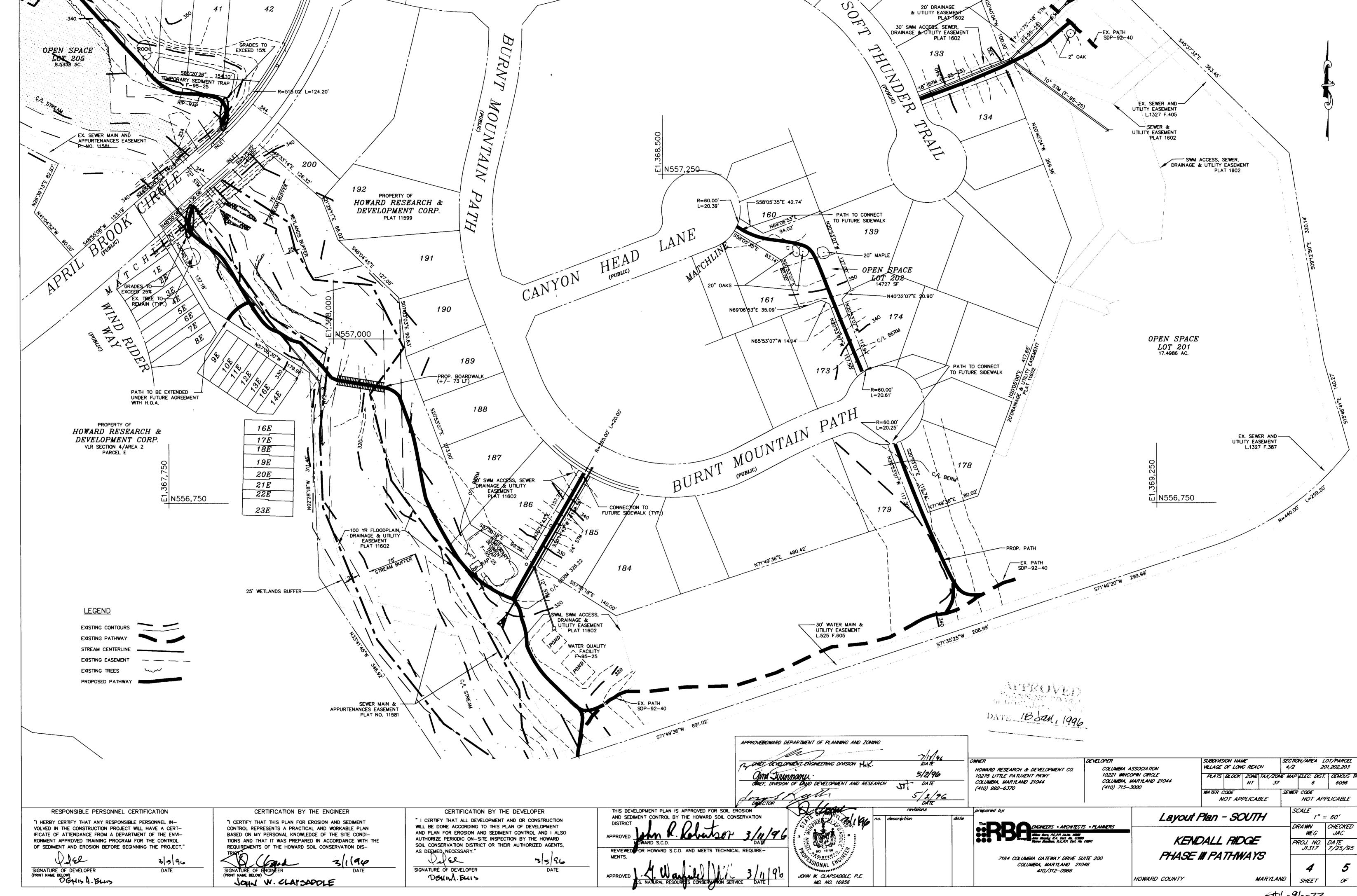
J1317

PROJ. NO. DATE

JAC

10/26/95





SEDIMENT AND EROSION CONTROL NOTES

- ALL DISTURBED ARES SHALL BE STABILIZED WITH PERMANENT SEED AND MULCH IN ACCORDANCE WITH PLANS APPROVED BY HSCD. APPROVAL OF FINAL STABILIZATION OF ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES BEFORE REMOVAL OF CONTROLS.
- 2. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DIV. OF INSPECTION, LICENSES AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. (313-2455)
- 3. ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS TO THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 4. 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 THE 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.
- 5. THE DEVELOPER SHALL IMPLEMENT AND ADEQUATELY MAINTAIN SEDIMENT AND EROSION CONTROL MEASURES INCLUDING LIMITING THE AREA OF DISTURBANCE TO EXISTING VEGATATION AND STEEP SLOPES FOR AREAS ADJACENT TO WETLANDS.
- 6. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL PER 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.
- 7. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTILL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 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 DEPT. OF PUBLIC WORKS SEDIMENT CONTROL INSPECTOR.
- 10. ON ALL SITES, DISTURBED AREAS IN EXCESS OF 2 ACRES APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETITION OF INSTALLATION OF PERIMETER EROSION AND GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- REFER TO "1983 MARYLAND STANDARDS AND SPECIFICATIONS FORTHE SOIL EROSION AND SEDIMENT CONTROL" FOR THE STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HERIN.
- 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 THE SEDIMENTCONTROL PRACTICES REQUIRE PRIOR APPROVAL OF THE SEDIMENT CONTROLINSPECTOR AND THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
- 13. ANY CHANGE TO THE GRADING PROPOSED ON THIS PLAN REQUIRESRE-SUBMISSION TO HOWARD COUNTY SOIL CONSERVATION DISTRICT FOR APPROVAL.
- 14. DUST CONTROL WILL BE PROVIDED FOR ALL DISTURBED AREAS, REFER TO 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL PP 62.01 OR 62.02 FOR ACCEPTABLE METHODS AND SPECIFICATIONS FOR DUST CONTROL.
- 15. 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.
- 16. ANY DISTURBED EARTH LEFT IDLE FOR PERIODS EXCEEDING 14 DAYS SHALL BE STABILIZED ACCORDING TO TEMPORARY STABILIZATION SPECIFICATIONS.
- 17. AT THE END OF EACH WORK DAY ALL SEDIMENT CONTROL PRACTICE WILL BE INSPECTED AND LEFT IN THE OPERATIONAL CONDITION.
- 18. ALL SEDIMENT AND EROSION CONTROL SHALL BE IAN ACCORDANCE WITH THE AGREEMENT MADE BETWEEN COLUMBIA ASSOCIATION AND HSCD AND AS AMENDED 8/1/90.
- 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.
- 20. THE SEDIMENT CONTROL APPROVALS ON THIS PLAN EXTEND ONLY TO AREAS AND PRACTICES IDENTIFIED AS PROPOSED WORK AND SHALL APPLY AS IF SHOWN ON ALL PLANS.
- THE APPROVAL OF THE PLAN FOR SEDIMENT AND EROSION CONTROL DOES NOT RELIEVE THE DEVELOPER/CONSULTANT FROM COMPLYING WITH ANY FEDERAL/STATE/COUNTY REQUIREMENTS PERTAINING TO ENVIRONMENTAL ISSUES.

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

SOIL AMENDMENTS: LIEU OF SOIL TESTS RECOMMENDATIONS. USEONE OF THE FOLLOWING

- 1. PREFERRED APPLY 2 TONS PER ARCE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 800 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL AT THE 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 DOLOMETRIC LIMESTONE ((2 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE
- 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 KENTUCKY31 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 STRAWW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE 500. 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 TO OTONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRAN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOL 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 AL 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, DICING 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 ASSOON AS POSSIBLE IN THE

MULCHING - APPLY 1 1/2 TO TO OTONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRAN 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.

SEQUENCE OF CONSTRUCTION

- 1. OBTAIN GRADING PERMIT AND ALL OTHER NECESSARY PERMITS
- NOTIFY THE DIVISION OF INPECTIONS AND CONSTRUCTION 48 HOURS PRIOR TO COMMENCEMENT OF WORK
- 3. INSTALL SILT FENCE ALONG THE PATHWAY SECTION TO BE CONSTRUCTED
- 4. INSTALL TREE PROTECTION FENCE

NOTE:

- UPON APPROVAL OF THE HOWARD COUNTY SEDMENT CONTROL INSPECTOR REMOVE SEDMENT CONTROLS AND STABILIZE IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES

. THE BOARDWALK DETAILS SHOWN ON THIS PLAN ARE THE

MINIMUM STANDARDS AND WERE SUPPLIED BY COLUMBIA

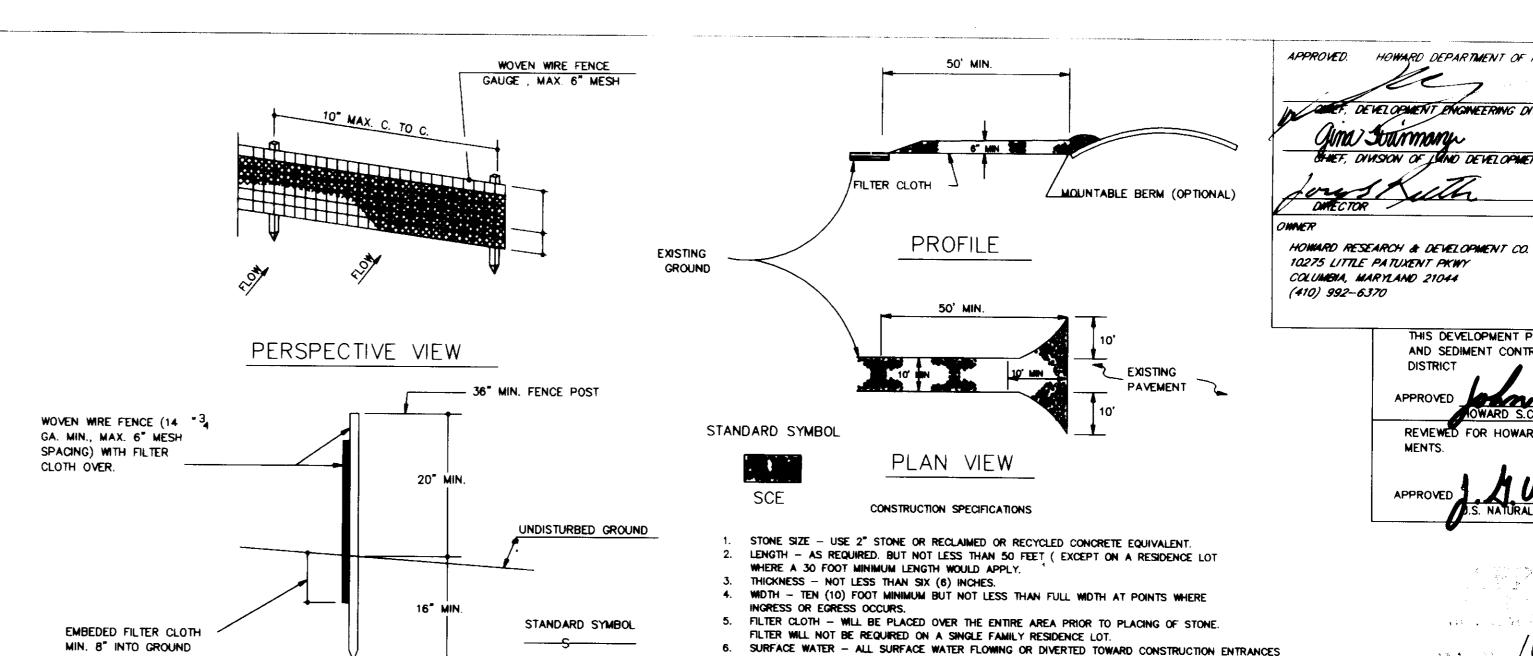
ASSOCIATION. THEY ARE NOT SITE SPECIFIC AND SHOULD

2. D.P.W. REVIEWS BOARDWALK DRAWINGS FOR LINE GRADE

AND FLOODPLAIN IMPACTS ONLY. THE DEPARTMENT OF

LICENSES AND PERMITS PERFORMS STRUCTURAL REVIEW.

NOT BE USED FOR CONSTRUCTION PURPOSES.



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

SECTION

. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.

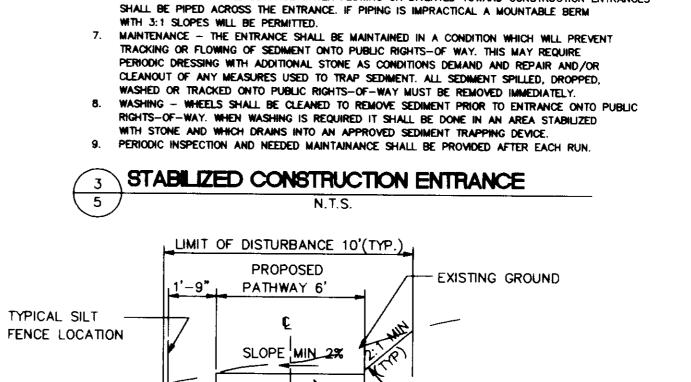
2. FILTER CLOTH TO BE FASTENED SECURELY TO

WOVEN WIRE FENCE WITH TIES SPACED

- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD FENCE: WOVEN WIRE, 14 GA.
- EVERY 24" AT TOP AND MID SECTION. 3. WHEN TWO SECTIONS OF FILTER CLOTH
- ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED.
- 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- FILTER CLOTH: FILTER X MIRAFI 100X, STABI-LINKA T140N OR APPROVED EQUAL FABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL

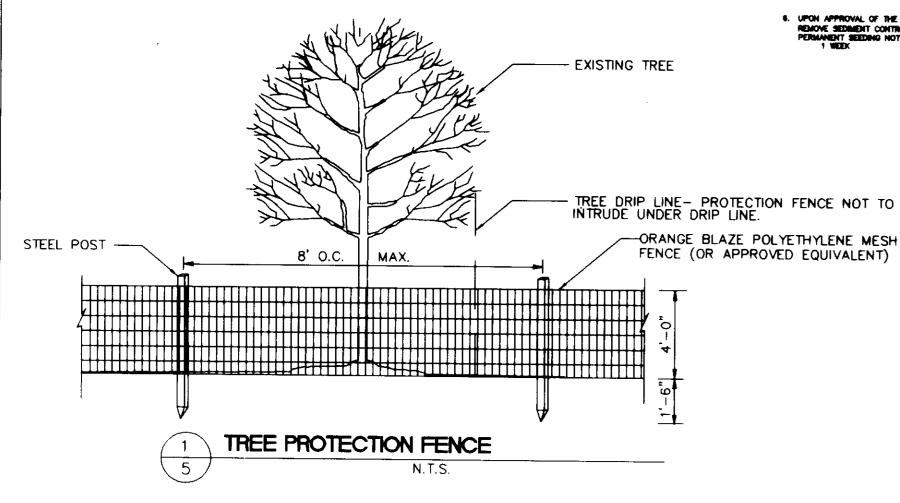
6" MAX. MESH OPENING





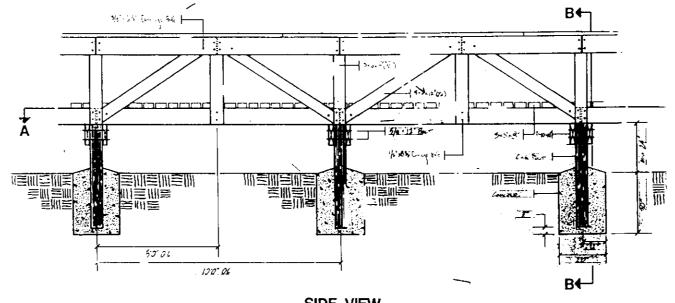
-CONTRACTOR SHALL PROVIDE CURLEX SLOPE STABILIZATION AT ALL SLOPED AREAS ADJACENT TO PATHWAYS └──4" BAND SN SURFACE COURSE COMPACTED SUBGRADE 95%

TYPICAL PATHWAY CROSS SECTION



. TREE PROTECTION FENCE SHALL BE INSTALLED AT THE DRIP LINE OF THE TREES TO BE PROTECTED PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES. 2. THE GENERAL CONTRACTOR SHALL HAVE THE RESPONSIBILITY FOR TREE PROTECTION.

4. FOOT AND VEHICULAR TRAFFIC SHALL BE KEPT TO MINIMUM IN THE TREE PROTECTION THE FOLLOWING CONSTRUCTION ACTIVITIES ARE PROHIBITED: PLACING BACKFILL IN THE PROTECTED AREA; BURNING IN OR IN CLOSE PROXIMITY TO PROTECTED AREAS, FELLING TREES IN THE PROTECTED AREA; STORING SUPPLIES IN THE PROTECTED AREA; OR CONDUCT-



SIDE VIEW > 1.6 cm |--29 213-B40 -3.13.10 SECTION B-B

TYPICAL BOARDWALK

3/5/96 SIGNATURE OF DEVELOPER (PRINT NAME BELOW) DENISA. ELLS 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 CONDI-TIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DIS-JOHN W. ZLAPSMODLE 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 | ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY.") **- 100** 3/5/96 SIGNATURE OF DEVELOPER DATE DEHISA. EUS

3196

10 16958 O

CONTACT ENG

JOHN W. CLAPSADOLE, P.E.

MD. NO. 16956

RESPONSIBLE PERSONNEL CERTIFICATION

"I HERBY CERTIFY THAT ANY RESPONSIBLE PERSONNEL IN-VOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERT-IFICATE OF ATTENDANCE FROM A DEPARTMENT OF THE ENVI-

RONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."

CONTRACTOR SHALL PROVIDE CURLEX SLOPE STABILIZATION AT ALL SLOPED AREAS ADJACENT TO CONSTRUCTION CONTRACTOR SHALL PROVIDE MOUNTABLE TYPICAL SILT FENCE PLACEMENT STONE BERM ACCESS PER CONSTRUCTION (CURL 2' UPSLOPE AT ENDS) ENTRANCE SPECIFICATION BOTH SIDES TYP SLOPE SLOPE SLOPE SS **PROPOSED** BOARDWALK SLOPE SLOPE SLOPE VARIES: VARIES

BOARDWALK INSTALLATION PLAN

HOWARD DEPARTMENT OF PLANNING AND ZONING

SHIEL JUWI TIMING DEVELOPMENT AND RESEARCH JA

DE VEL OPER

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION

AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION

and Chunty

-TYPICAL EARTH DIKE PLACEMENT

COLUMBIA ASSOCIATION

10221 WINCOPW ORCLE

(410) 715-3000

COLUMBIA, MARYLAND 21044

F. DEVELOPMENT ENGINEERING DIVISION M.K.

And Sturmany

SUBDIVISION NAME SECTION/AREA LOT/PARCEL VILLAGE OF LONG REACH PLATS BLOCK ZONE TAX/ZONE MAP ELEC. DIST. CENCUS TR 6056 WATER CODE NOT APPLICABLE NOT APPLICABLE AS SHOWN

DETAILS KENDALL PADGE PHASE III PATHWAYS

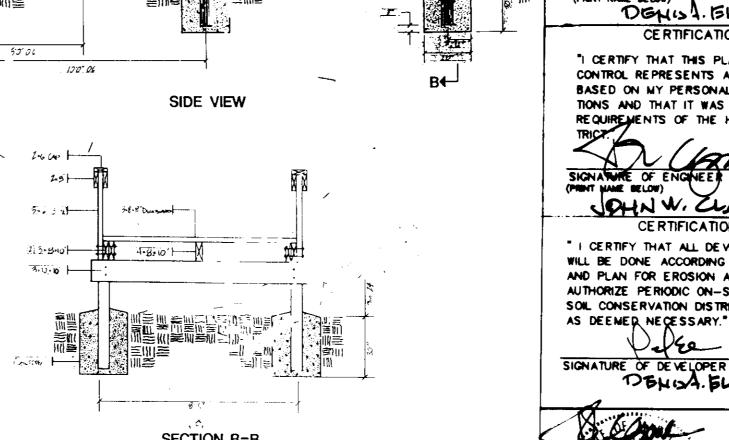
CHECKED WEG PROJ. NO. DATE J1317 10/26/95 MARYLAND SHEET

TREE PROTECTION PROCEDURES

HE SHALL TAKE CARE TO PROTECT TREE ROOT SYSTEMS FROM DAMAGE INCLUDING SMOTHERING, FLOODING, AND SPILLAGE. 3. REMOVAL OF TOPSOIL OR ROOT MAT WITHIN THE TREE PRESERVATION AREA WILL

RENCHING OPERATIONS IN THE PROTECTED AREA

5. ALL TREES TO BE REMOVED WITHIN 50 FEET OF THE TREE PROTECTION AREA ARE TO TO BE REMOVED IN A MANNER THAT WILL NOT DAMAGE THE TREES OR ROOTS OF THE TREES IN THE TREE PROTECTION AREA.



ENGINEERS · ARCHITECTS · PLANNERS 7164 COLUMBIA GATEWAY DRIVE SUITE 200 COLUMBIA, MARYLAND 21046

410/312-0966

JAC

