GENERAL NOTES

SHOWN HEREON, NOR DOES ANY INFORMATION SHOWN OR LACK THEREOF RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR CORRECT AND PROPER COMPLETION OF GRADING.

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

ALL TREES 12" IN DIAMETER OR GREATER SHALL REMAIN PROTECTED AND UNDAMAGED AT ALL TIMES.

ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL STANDARD SPECIFICATIONS AND DETAILS FOR

DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR

WRITTEN CONSENT OF THE ENGINEER MAY CAUSE THE WORK TO BE UNACCEPTABLE. ADJUSTMENTS TO THE SEQUENCE OF CONSTRUCTION SHALL BE APPROVED

BY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS PRIOR TO SUCH ADJUSTMENTS 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 THE CONTRACTOR SHALL COMPLY WITH SEDIMENT CONTROL NOTES AS

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 AND MAINTAIN MINIMUM COVER REQUIREMENTS IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.

THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE

"MISS UTILITY" 1-(800) 257-7777 BALTIMORE GAS & ELECTRIC COMPANY (301) 234-5691 C & P TELEPHONE COMPANY (301) 393-3648 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

THE CONTRACTOR SHALL ORTAIN THE NECESSARY PERMITS FOR

ALL UTILITIES ARE TO BE RETAINED UNLESS MARKED OTHERWISE AND APPURTENANCES ARE TO BE ADJUSTED TO FINISHED GRADE. THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION/INSPECTION

RESPONSIBILITY TO PERFORM SUCH WORK.

SURVEY DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 313-2417 OR 313-2418. 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. THE CONTRACTOR SHALL USE THE DIMENSIONS SHOWN. SCALING OF

THESE PLANS IS DISCOURAGED UNLESS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.

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.

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.

19. ALL FILL SHALL BE ROLLED TO A MINIMUM DEGREE OF COMPACTION TO 95% OF THE DRY UNIT WEIGHT AS DETERMINED BY ASTM D-698. 20. 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. 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 "NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN WETLAND OR STREAM BUFFERS EXCEPT AS APPROVED PER WAIVER

A WAIVER HAS BEEN SUBMITTED FOR STORMWATER MANAGEMENT QUANTITY AND QUALITY CONTROL.

THE FOLLOWING PERMITS SHALL APPLY TO PROPOSED CONSTRUCTION SHOWN ON THESE PLANS, CORPS OF ENGINEERS AND WATER QUALITY PERMIT NO. 91-NT-0436

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 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 WETLANDS AND STREAMS DEMARCATE THE LIMIT OF DISTURBANCE AREA ON SITE WITH A

CONSTRUCTION FENCE PRIOR TO ANY CLEARING AND/OR GRADING ACTIVITY FOR CONSTRUCTION

28. 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

FUTURE PLANS OR BUILDING PERMITS SHALL REFERENCE ALL WAIVER AND SITE DEVELOPMENT PLAN NUMBERS PER WP 91-167 AND SDP 92-40 WAIVER REQUESTS SHALL BECOME NULL AND VOID ONE YEAR FROM THE

WETLANDS STUDY WAS PERFORMED BY KCI, (FORMALLY KIDDE CONSULTANTS, INC.) LAUREL, MARYLAND,

THE CONTRACTOR SHALL STAKEOUT AND CONSTRUCT PATH CONNECTIONS IN A MANNER THAT AVOIDS IMPACT TO EXISTING UTILITIES, AND SHALL MEET EXISTING SIDEWALKS AND/OR CURBS WHEN FEASIBLE. IN ACCORDANCE WITH FDP NO. 3054A, FOR OPEN SPACE LAND USE, NO.

STRUCTURE SHALL BE LOCATED WITHIN 30 FEET OF A PUBLIC STREET, ROAD OR HIGHWAY RIGHT-OF-WAY: OR WITHIN 25 FEET OF ANY PROPERTY LINE; EXCEPT, HOWEVER, IF SHOWN ON THE SDP APPROVED BY THE HOWARD COUNTY PLANNING BOARD. ALL PROPOSED IMPROVEMENTS SHALL BE MAINTAINED BY THE OWNER.

APPROVAL HAS BEEN GRANTED FOR A WAIVER (WP-91-167) FROM HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS 16.116(3)(1)AND (2) TO PERMIT DISTURBANCE WITHIN WETLAND AREAS, WETLAND BUFFERS AND STREAM BANK BUFFERS. CONDITIONS OF APPROVAL ARE DETAILED IN A LETTER DATED JUNE 13, 1991 FROM HOWARD COUNTY PLANNING AND ZONING AND A LETTER DATED AUGUST 27, 1991 FROM COLUMBIA ASSOCIATION. LETTERS ARE AVAILABLE

"CONDITIONS AND MANAGEMENT PRACTICES FOR WORKING IN NONTIDAL

A. NO EXCESS FILL, CONSTRUCTION MATERIAL OF DEBRIS ARE TO BE STOCKPILED OR STORED IN THE WETLANDS OR BUFFERS

B. PLACE MATERIALS IN A LOCATION AND MANNER WHICH DOES NOT ADVERSELY IMPACT SURFACE OR SUBSURFACE WATER FLOW INTO OR OUT OF THE NONTIDAL WETLANDS AND BUFFERS C. IF ADDITIONAL BACKFILL IS REQUIRED, USE CLEAN MATERIAL

FREE OF WASTEMETAL PRODUCTS, UNSIGHTLY DEBRIS, TOXIC MATERIAL OR ANY OTHER DELETERIOUS SUBSTANCE; PLACE HEAVY EQUIPMENT ON MATS OR SUITABLY OPERATE THE EQUIPMENT TO PREVENT DAMAGE TO THE NONTIDAL WETLANDS AND

E. REPAIR AND MAINTAIN ANY SERVICEABLE STRUCTURE OR FILL SO THERE IS NO PERMANENT LOS OF NONTIDAL WETLANDS AND BUFFERS IN EXCESS OF NONTIDAL WETLANDS AND BUFFERS LOST UNDER THE ORIGINAL STRUCTURE OF FILL:

STABILIZATION OF ANY TEMPORARILY IMPACTED AREAS IN THE WETLAND OR BUFFER SHALL BE ACCOMPLISHED BY SEEDING WITH

F. REMOVE VEGETATION ONLY AS NECESSARY FOR THE INSTALLATION OF THE PATHWAYS AND BRIDGES.

AGREEMENT BETWEEN COLUMBIA ASSOCIATION (CA) AND

A. All work performed under this agreement shall comply fully with the requirement

sediment control and/or specific requirements which may be issued by HSCD

B. No work covered by this agreement shall be started until written approval (as-

C. CA shall be responsible for arranging for immedite repair or replacement of

rendered ineffective by work covered under this agreement.

existing crosion or sediment control measures which are removed, damaged, or

D. This agreement applies to earth disturbing activities necessary for the construction

of recreational pathways which may be surfaced with bituminous paving, concrete,

1) Earth work is limited to grabbing, cutting and filling (except as noted berein)

2) Fill must be properly compacted, fill height not to exceed three (3) feet, and

4) Grading may not impair surface drainage, create an erosion hazard or discharge

In cases where these condition cannot be met, CA must contact the HSCD for specific

(1) Sediment control measures shall be placed as clearing and grubbing progresses

2) Equipment entrances must be stabilized with stone to prevent tire tracking of sediment onto public streets. If tracking occures, immediate cleanup is

3) Silt fence or straw bale dikes shall be used around graded areas to contidu-

4) Following initial soil disturbance or redisturbance, permanent or temporary

stabilization shall be completed within; a) seven calendar days for the surface of all perimeter controls and all perimeter slopes; b) fourteen calendar days t

ail other disturbed or graded areas. Areas where active construction is in

concrete, blacktop, stone, or vegetative cover. Areas to be vegetatively

5) All off-site fill or borrow areas must have an approved sediment control plan

6) The applicant shall notify the Howard County Sediment Control Division at least

assigned to the job, when deemed necessary to prevent erosion and sedimentation.

48 hours prior to commencing clearing or grading. Call 992 2437.

G. Compliance with the provisions of the agreement shall not relieve (A of taking additional measures when necessary to prevent erosion and sedimentation. Addi tional requirements may be imposed by the Howard County Sediment Control Inspector

stabilized (seeded) shall be stabilized during the first seeding period (March thru April 30, or August 1 thru October 15) following grading. Extension Serv

tion of final grading all disturbed areas shall be stabilized with

5) Grading or filling within the 100-year flood plain is not permitted.

recommendations. (This may involve preparation of a custom plan by CA)

F. Sediment and erosion control measures will be performed as follows:

Bulletin No. 171 may be used as a guide for seeding.

of the 1983 Maryland Standards and Specifications for Soil Erosion and

THE HOWARD SOIL CONSERVATION DISTRICT (HSCD)

AN ANNUAL RYE OR MILLET AND MULCH. LISTING OF OPEN SPACE LOT AND PARCEL NUMBERS FOR AREAS OF PROPOSED PATHWAY

OS LOT 1 VLR, 3/1, PLAT NO. 8026 OS LOT 2 VLR, 3/2, PLAT NO. 8104 OS LOT 3 VLR, 3/2, PLAT NO. 8105.8110-11 OS LOT 5 VIR, 3/2, PLAT NO. 8111 OS LOT / VLR, 3/2, PLAT NO. 8576 OS LOT 9 VIF, 1/12, PLAT NO. 8323 OS LOT 63 VLR. 2/2. PLAT NO. 7819-20 OS LOT 85 VLR, 3/3, PLAT NO. 8351 OS LOT 86 VLR, 3/3, PLAT NO. 8351 OS LOT 87 VLR, 3/3, PLAT NO. 8350-51 OS LOT 115 VLR; 2/1, PLAT NO. 7804 OS LOT 117 VLR. 2/1. PLAT NO. 7804-05 OS LOT 225 VLR, 2/2, PLAT NO. 7818

defined herein) like been received from MSCD

E. The following grading limitations are imposed:

be not steeper than 33 percent, (3:1)

sediment into any adjacent waterway

on a day to day basis.

progress are exempt.

and permit prior to grading.

3) Cut slopes may not exceed 7:1, 50 percent

necessary to construct pathways

KENDALL RIDGE NEIGHBORHOOD OPEN SPACE MASTER PLAN

VILLAGE OF LONG REACH COLUMBIA PARK AND RECREATION ASSOCIATION

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. REVIEWED: NO FACILITIES REQUIRED 4.24.92 HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING PLANNING AND LAND DEVELOPMENT APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT. REVIEWED: NO FACILITIES REQUIRED.

FOR PUBLIC WATER, PUBLIC SEWERAGE SYSTEMS. STORM DRAINAGE SYSTEMS AND PUBLIC ROADS

WATERLOO ROAD (FUTURE) 0

INDEX

COVER SHEET PATHWAY LAYOUT SHEET

PATHWAY LAYOUT SHEET 4 PATHWAY LAYOUT SHEET SEDIMENT & EROSION CONTROL

AND SITE DETAIL SHEET 6 TYPICAL BRIDGE DETAIL SHEET

7 TYPICAL BOARDWALK DETAIL

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 SDP PROCESS FOR C.A.'s TOT LOTS AND PATHWAYS.

OWNER/DEVELOPER COLUMBIA PARK & RECREATION ASSOCIATION 5829 BANNEKER ROAD COLUMBIA, MD. 21044 (301) 730-1003

ADDRESS CHART BUILDING STREET ADDRESS 5250 TAMAR THINE

SECTION/AREA LOT / PARCE! KENDALL RIDGE SEE SHEET 1 OF 7 BLOCK ZONE TAX/ZONE MAP ELEC DIST CENSUS ISEE LIST N/A Nc | 36 8 37 | 6 | WATER CODE SEWER CODE

DRAWN

PROJ. NO.

M0328

SHEET

CHECKED

DATE

L.D.T.

RESPONSIBLE PERSONNEL CERTIFICATION

HEREBY 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.

SIGNATURE OF DEVELOPER DELIS ELLIS

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 MENTS OF THE HOWARD SOIL CONSERVATION DIS-

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."

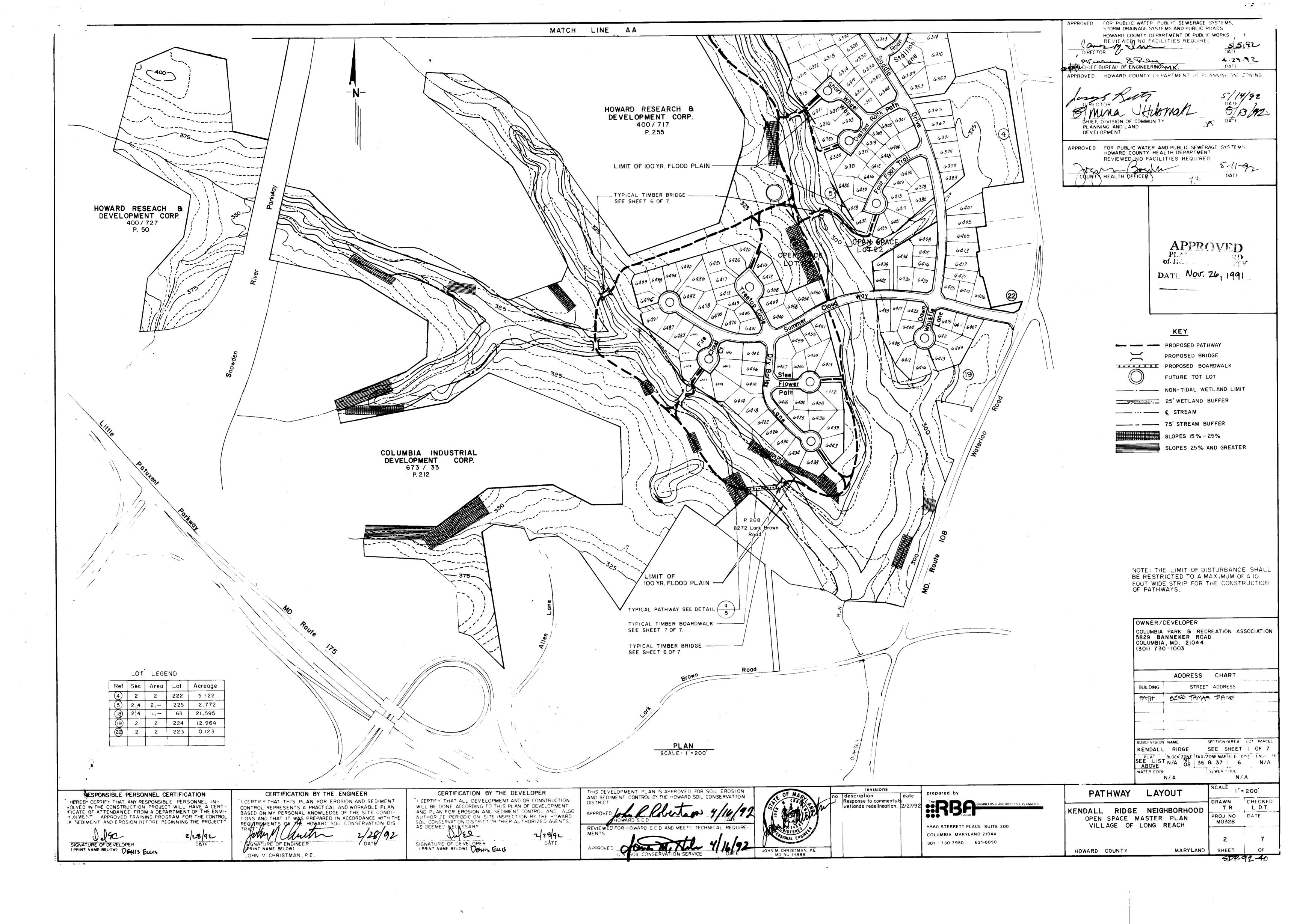
SIGNATURE OF DEVELOPER (PRINT NAME BELOW) DENIS ELLS DISTRICT MENTS.

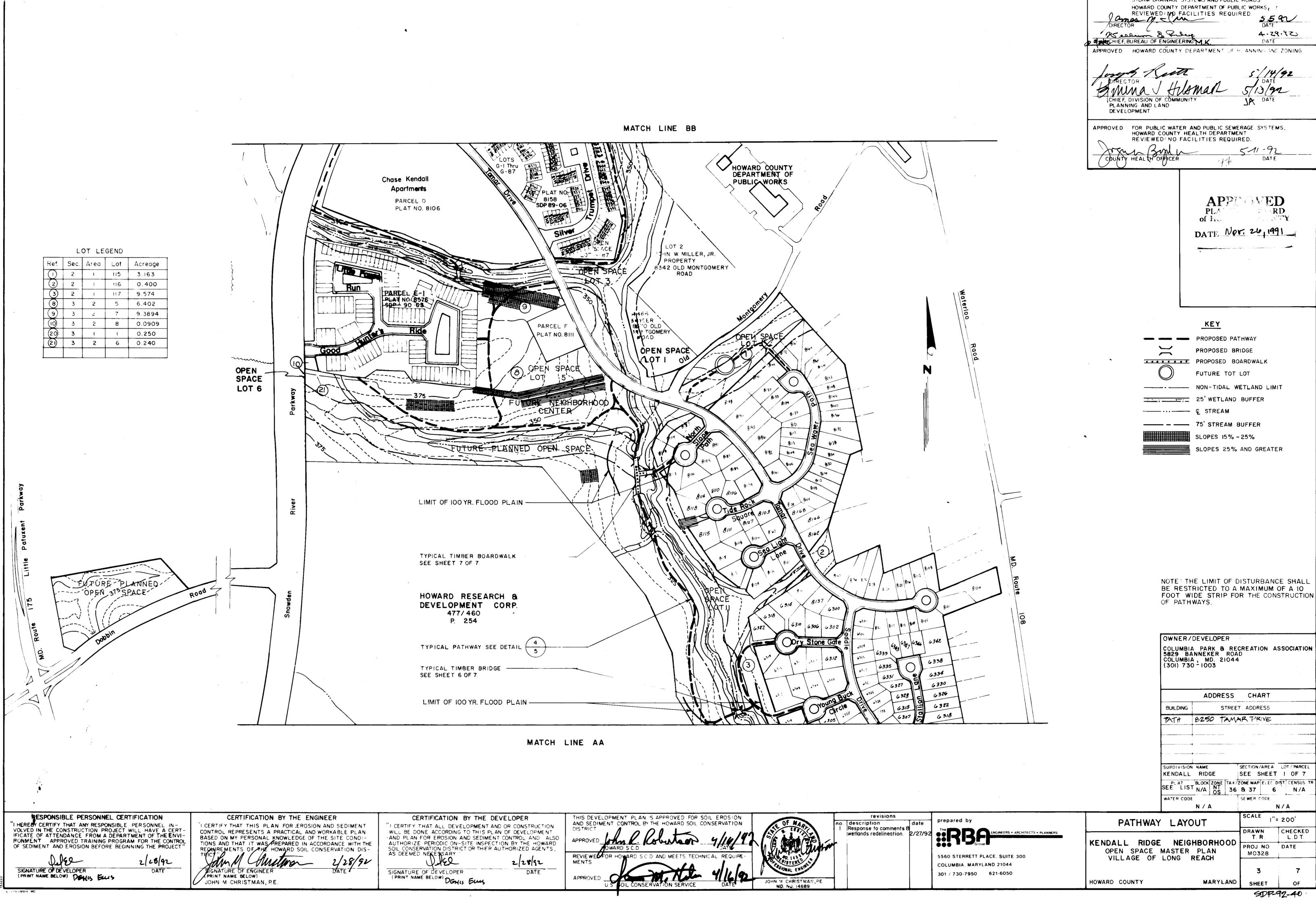
SOIL CONSERVATION SERVICE

Response to comments and wetlands redelinea192 SRB STOLERS • ARCHITECTS • PLANNERS 5560 STERRETT PLACE, SUITE 300 COLUMBIA. MARYLAND 21044

301 / 730-7950 621-6050

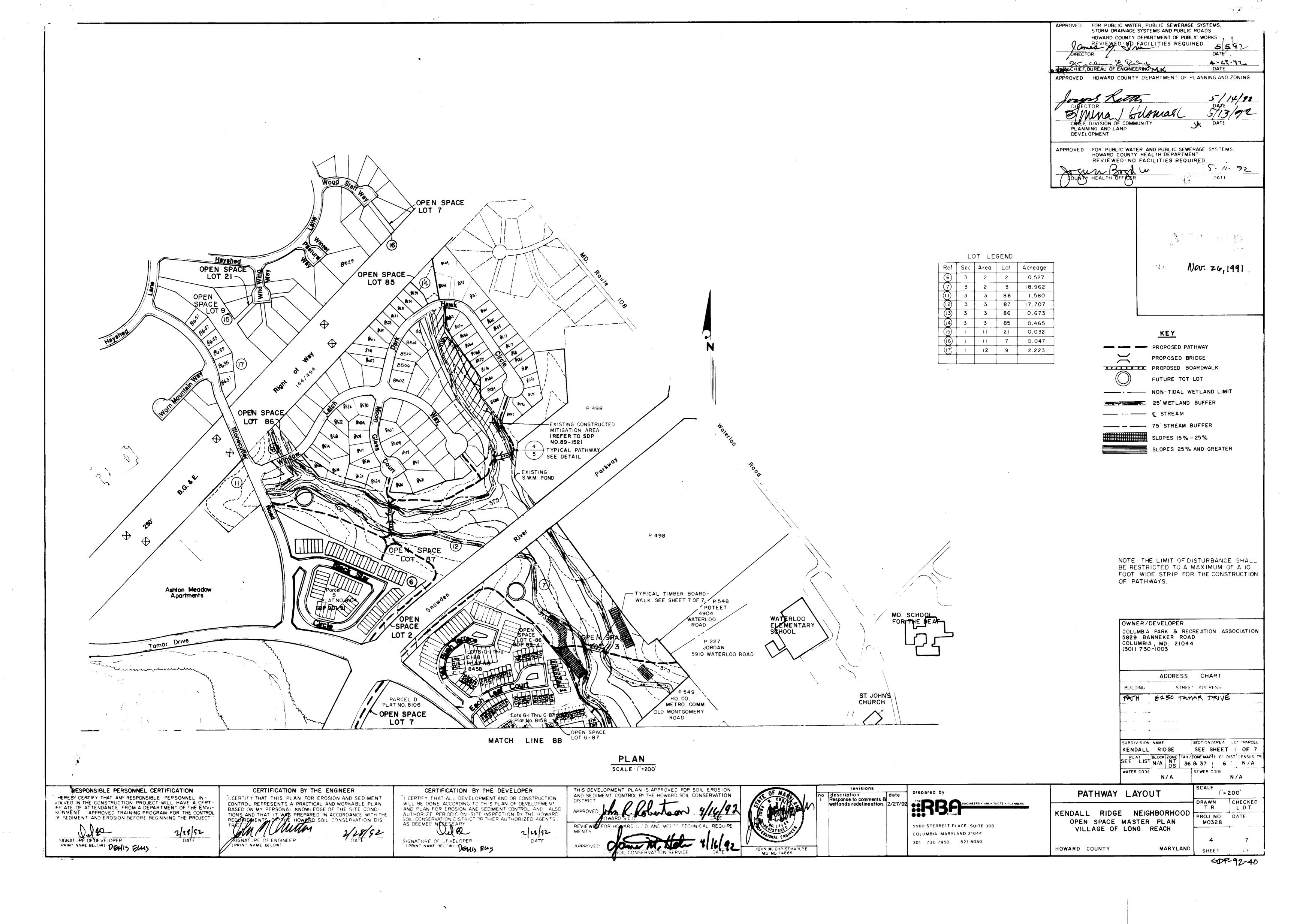
SCALE |"= 200" SHEET TITLE KENDALL RIDGE NEIGHBORHOOD OPEN SPACE MASTER PLAN VILLAGE OF LONG REACH HOWARD COUNTY MARYLAND





APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE SYSTEMS,

STORM DRAINAGE SYSTEMS AND PUBLIC ROADS



SEDIMENT AND EROSION CONTROL NOTES

- I. ALL DISTURBED AREAS 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 OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. (880-3450)
- 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
- 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 CREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND B) FOURTEEN (14) DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS
- 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 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.
- 7. 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.
- 8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY 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 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.
- II. 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.
- 12. 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.
- 13. ANY CHANGE TO THE GRADING PROPOSED ON THIS PLAN REQUIRES RE- SUBMISSION TO HOWARD COUNTY SOIL CONSERVATION DISTRICT FOR APPROVAL
- 14. 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
- 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 WORKING DAY ALL SEINMENT CONTROL PRACTICE WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
- 18. ALL SEDIMENT AND EROSION CONTROL SHALL BE IN ACCORDANCE WITH THE AGREEMENT MADE BETWEEN COLUMBIA ASSOCIATION AND HSCD AND AS AMENDED 8/1/90.
- 19. 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 ONTL OR ACROSS *ADJACENT OR DOWNSTREAM PROPERTIES IN JUDED IN THIS PLAN. HE IS ALSO RESIDENCE 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.
- 21. 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.

DEVELOPERS CERTIFICATION

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

(X) 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 SITENINSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF DEVELOPER PRINT NAME BELOW SIGNATURE DENIS A. WILL

SEQUENCE OF CONSTRUCTION

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

INSPECTOR, CLEAR AND GRUB AREAS FOR

J DAYS

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIA E 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: LIEU OF SOIL TESTS RECOMMENDATIONS, USE ONE OF THE FOLLOWING

PERMANENT SEEDING NOTES

I. 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 ACRÉ 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

TEMPORARY SEEDING NOTES

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

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, SFED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (.07 LBS/1000 SQ. FT.) FOR THE PERIOD (YE NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE O. WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

M'JLCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ.FT.) OF UNFOTTED SMALL GRIJN 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

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

SITE TABULATIONS

PROPOSED BITUMINOUS PATHWAY

20,730 LF TOTAL

14 EA. TOTAL

4.640 SF TOTAL

217,200 SF TOTAL

4.99 AC TOTAL

TOTAL CUT 1,813 CY. THE CONTRACTOR SHALL TRANSPORT EXCESS SPOIL MATERIAL TO THE ALPHA RIDGE LANDFILL, 2350 PROPOSED TIMBER BRIDGE CROSSINGS DISTURBED WETLANDS (PERMANENT) 406 SF TOTAL DISTURBED STREAM BUFFER (PERMANENT

SEEDS AND STRAW PLLCH

LINED RIP-RUP 4-8"

PROPOSED TIMBER BOARDWALK 9,810 SF TOTAL DISTURBED AREA FOR PATHWAY, BOARDWALK AND BRIDGE CONSTRUCTION 0.23 AC TOTAL

EARTH DIKE

VVVVV

ALL BINES BALL SE COPPACTED BY EARTH-MOVING EQUIPMENT.

ALL DIRES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.

TOP SIDTH MY SE WIDER AND SIDE SLOPES MAY SE FLATTER IF DESIRED TO FACILITATE

CONSISTS BY CONSTRUCTION THESE.

OF BIDTH MAT BE WHERE MEDIA JULE MADE OF THE DESCRIPTION THATFIC,
TIRLD LOCATION PHOLOG BE ADJUSTED AS RECORD TO UTILIZE A STABILIZED SAFE OUTLET.
LARTH DIRES BRALL MAVE AN OUTLET THAT FUNCTIONS WITH A RINIMEN OF ERGEION. PUNCHE
BRALL BE CONFERD TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT
BASIN HERE EITHER THE DIRE CHANNEL OR THE DRAINABE AREA ABOVE THE DIRE ARE NOT

ADEQUATELY STABILIZED.

STABILIZATION SHALL RE: (A) IN ACCOMMANCE WITH STANDARD SPECIFICATIONS FOR SEED NO STRAW MALCH IF NOT IN SEEDING SEASON, (B) PLOY CHANGE AS PER DE CHAFT RELDN.

SEED AND STRAW PLECH

SEED WITH JUTE, OR SOO;

STORE TO BE 2 INDI STORE, OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST ?

DE SOIL. APPROMED EQUIVALENTS CAN ME SUBSTITUTED FOR ANY OF THE AMOVE MATERIALS. ERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

ANDES IN THICKNESS AND BE PRESEND INTO THE SOIL WITH CONSTRUCTION COLUMN IS.

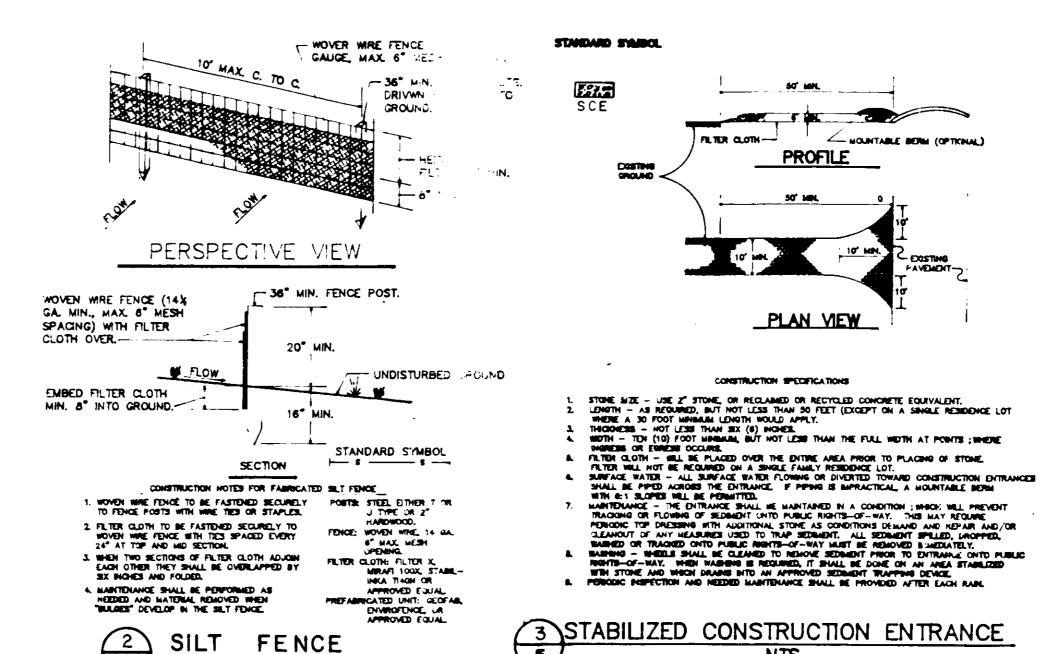
B. RIP-MAP TO BE 4-8 INCHES IN A LAYER AT LEAST 3 INCHES THICKNESS AND PRESSED INTO

LINED RIP RAP 4-8"

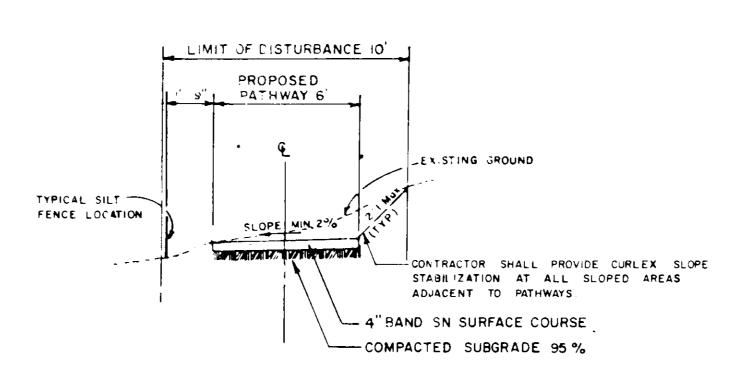
EARTH DIKE

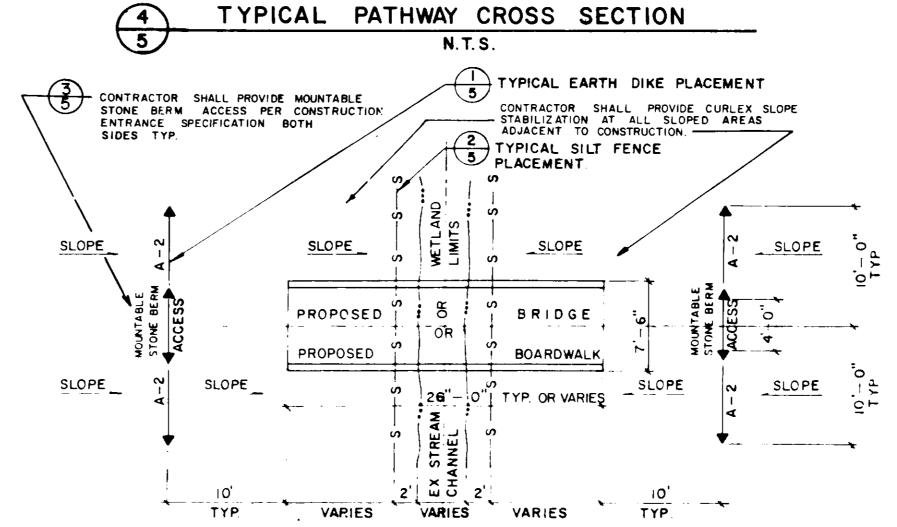
NTS

3.1-5.0% SEED AND STRAW PLACE



FOR PUBLIC WATER, PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS lames of the Facilities required. SECOND ENGINEERING NA. K. 4-29.92 APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING. (`//4/47 CHIEF, DIVISION OF COMMUNIT PLANNING AND LAND DEVELOPMENT APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT REVIEWED: NO FACILITIES REQUIRED. COUNTY HEAL OF OFFICER 5 11-92 DATE Nov. 26, 1991





BRIDGE AND BOARDWALK INSTALLATION PLAN

	05.5.					
OWNER/						
COLUMBIA 5829 BA COLUMBIA (301) 730	NNEKER A, MD.	ROA	D	ASSO	CIATION	
	ADDF	RESS	CHA	RT		
BUILDING		STREE	ET ADDP	ESS		
						
	<u> </u>					
		· · · · · ·	<u> </u>			
SUBDIV- SION	NAME		SECTION /	REA I	OT / PARCEL	
KENDALL	RIDGE		SEE SI	HEET	OF 7	
PLAT SEE LIST	N/A N	E TAX/	ZONE MAP		CENSUS TR	
WATER CODE N/A			SEWER CODE N/A			

AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION



prepared by THE REPORT OF THE PROPERTY OF 5560 STERRETT PLACE, SUITE 300 COLUMBIA, MARYLAND 21044 301 / 730-7950 621-6050

SEDIMENT & EROSION CONTROL CALE AS SHOWN AND SITE DETAIL SHEET CHECKED DRAWN LDT KENDALL RIDGE NEIGHBORHOOD ROJ. NO. OPEN SPACE MASTER PLAN M0328 VILLAGE OF LONG REACH HOWARD COUNTY MARYLAND SHEET

JUP-92-40

"I HEREBY CERTIFY THAT ANY RESPONSIBL	E PERSONNEL IN-
VOLVED IN THE CONSTRUCTION PROJECT	T WILL HAVE A CERT-
I FICATE OF ATTENDANCE FROM A DEPA	RTMENT OF THE ENVI-
RONMENT APPROVED TRAINING PROG	RAM FOR THE CONTROL
OE SEDIMENT AND EROSION BEFORE BEG	GINNING THE PROJECT."
Λ .	
سا الله	/
- V	2/28/92
SIGNATURE OF DEVELOPER	PATE
SIGNATURE OF DEVELOPER PRINT NAME BEHOW) DEMIS ELLIS	

RESPONSIBLE PERSONNEL CERTIFICATION

OBTAIN BUILDING PERMIT FOR

CONSTRUCTION OF BRIDGES.

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-NAME BELOW) JOHN M. CHRISTMAN, P.E.

STABILIZE THOSE AREAS.

1 DAY

WPRINT NAME BELOW)

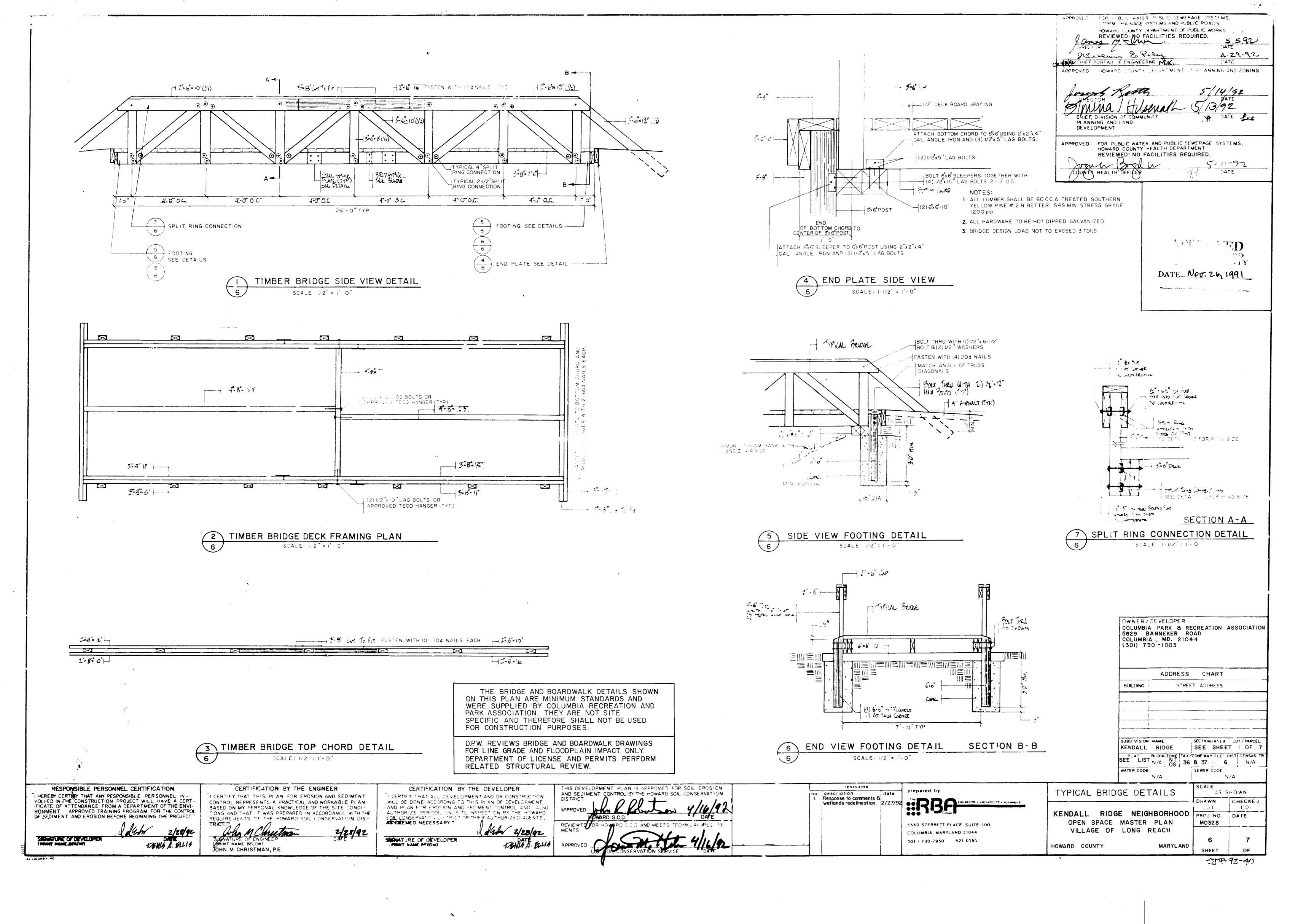
CERTIFICATION BY THE DEVELOPER CERTIFY THAT ALL DEVELOPMENT AND OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND LALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD OIL JONSERVATION DISTRICT OR THIER AUTHORIZED AGENTS, SIGNAT PE OF DEVELOPES

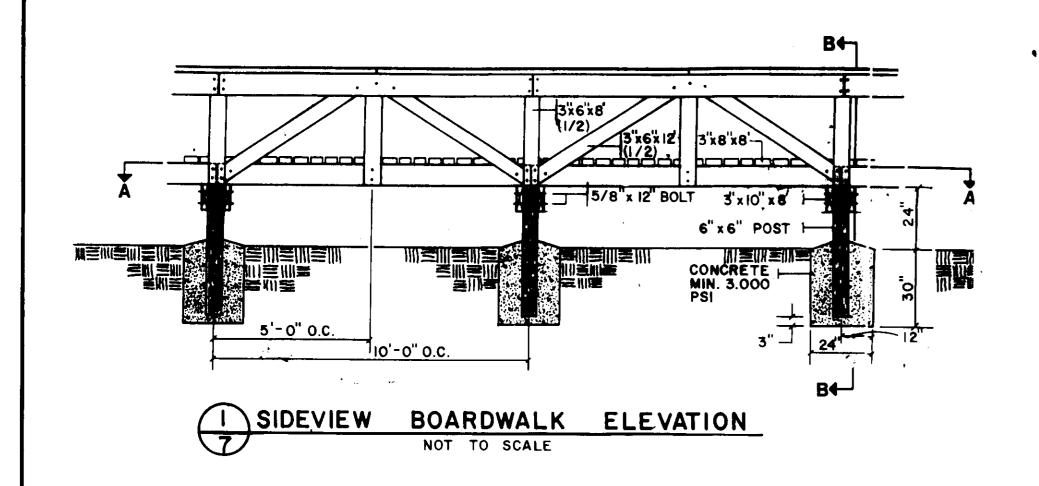
REVIEW BY FOR MENTS.

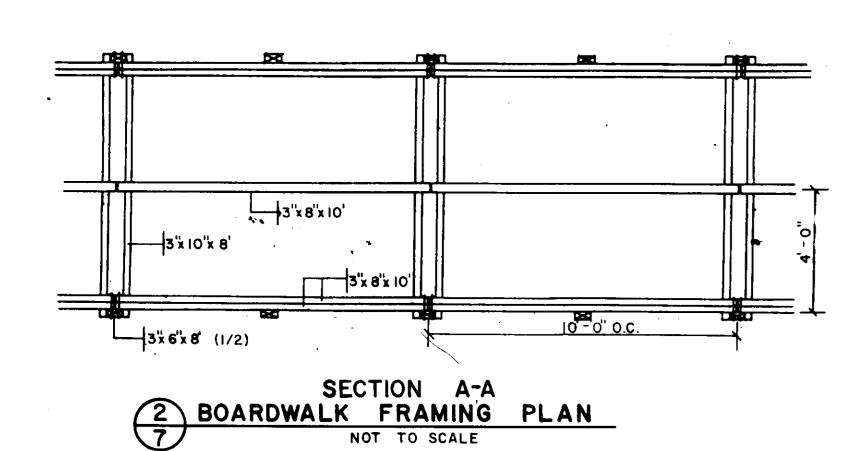
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION

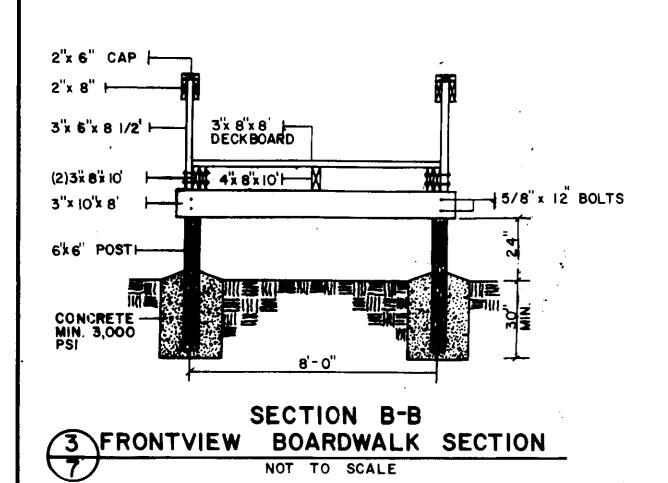
description

Response to comments & wetlands redelineation.









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

SIGNATURE OF DEVELOPER DELIG 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 DISTRICT

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."

THE BRIDGE AND BOARDWALK DETAILS SHOWN ON THIS PLAN ARE MINIMUM STANDARDS AND WERE SUPPLIED BY COLUMBIA RECREATION AND PARK ASSOCIATION. THEY ARE NOT SITE SPECIFIC AND THEREFORE SHALL NOT BE USED FOR CONSTRUCTION PURPOSES.

D.P.W. REVIEWS BRIDGE AND BOARDWALK DRAWINGS FOR LINE GRADE AND FLOODPLAIN IMPACT ONLY. DEPARTMENT OF LICENSE AND PERMITS PERFORM RELATED STRUCTURAL REVIEW.

,	
APPROVED: FOR PUBLIC WAT STORM DRAINAGE	ER, PUBLIC SEWERAGE SYSTEMS, E SYSTEMS AND PUBLIC ROADS.
	DEPARTMENT OF PUBLIC WORKS
DIRECTOR/	DATE
Wessim 20	Roley 4.29.92
APPROVED HOWARD COUNT	
APPROVED HOWARD COUNT	Y DEPARTMENT OF PLANNING AND ZONING.
1 1 Ritt	c/iu/an
DIRECTOR AND IA	BATE
9 MINEU AU	MUT 5/13/92
CHIEF, DIVISION OF COMM PLANNING AND LAND	DATE
DEVELOPMENT	
	FER AND PUBLIC SEWERAGE SYSTEMS,
	Y HEALTH DEPARTMENT. FACILITIES REQUIRED.
Some Ban	5-11-92
COUNTY HEALTH OFFICER	DATE
•	, ·
	Os as
	DATE NOT. 20, 1991

CONSTRUCTION NOTES:

- I. ALL LUMBER SHALL BE 60 C.C.A. TREATED SOUTHERN YELLOW PINE # 2 OR BETTER. S4S MIN. STRESS GRADE, 1,200 PSI.
- 2. ALL HARDWARE SHALL BE HOT DIPPED GALVAN-IZED.

OWNER/DEVELOPER COLUMBIA PARK & RECREATION ASSOCIATION. 5829 BANNEKER ROAD COLUMBIA, MD. 21044 (301) 730-1003 ADDRESS CHART STREET ADDRESS SECTION/AREA LOT/PARCEL KENDALL RIDGE SEE SHEET I OF 7

	SEE LIST BLOCK ZO	NE TAX/	CONE MAP B 37	ELEC. DIS	T. CENSUS TR	
	WATER CODE N/A		SEWER C	ODE N	I/A	
TYPICAL BOARDWALK DETAILS				SCALE AS SHOWN		
VENDALL BIRGE VEIGURGEVICES				N (L.D.T.	
KENDALL RIDGE NEIGHBORHOOD OPEN SPACE MASTER PLAN VILLAGE OF LONG REACH			PROJ. MO3		DATE	
VIZZAGE OF E	ONG REACH		7		7	
HOWARD COUNTY	MARYLAND		SHE	ET	OF	
			5 7	P92.	-40	