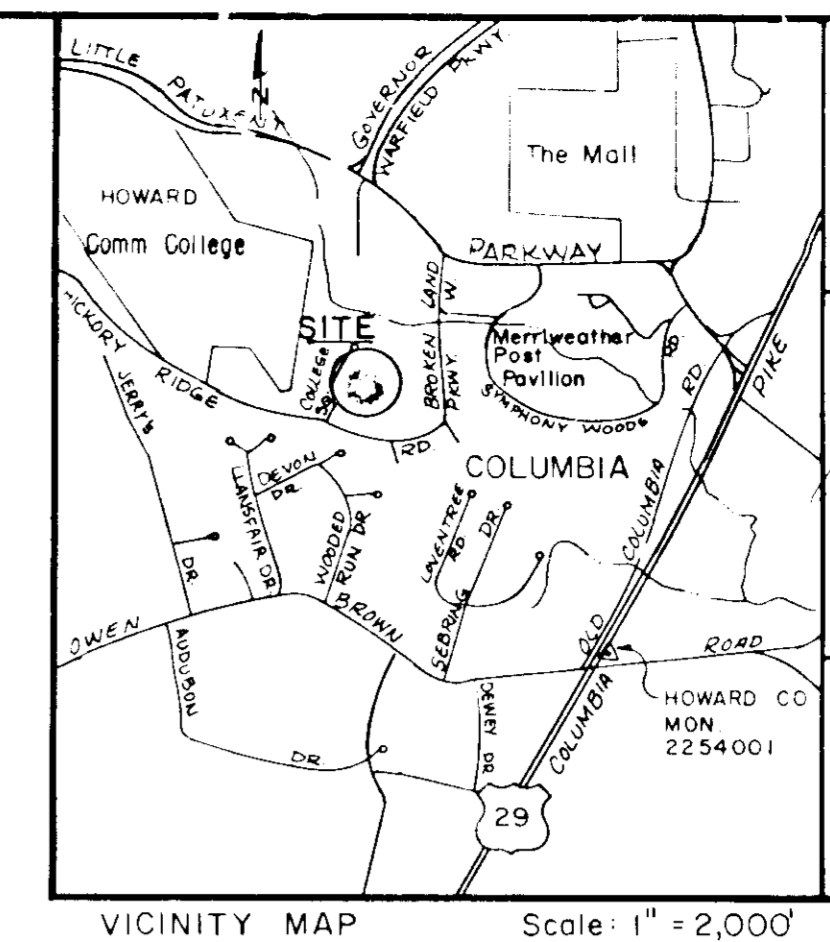


GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION AS AMENDED IN JANUARY 1989.
- DEVIATIONS FROM THESE PLANS AND SPECIFICATIONS WITHOUT PRIOR WRITTEN CONSENT OF THE CIVIL ENGINEER MAY CAUSE THE WORK TO BE UNACCEPTABLE.
- ADJUSTMENTS TO THE SEQUENCE OF CONSTRUCTION SHALL BE APPROVED BY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS PRIOR TO SUCH ADJUSTMENTS.
- APPROXIMATE LOCATIONS OF EXISTING UTILITIES ARE SHOWN. 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 CONTRACTOR'S EXPENSE.
- CONTRACTOR TO ALSO COMPLY WITH SEDIMENT CONTROL NOTES AS DOCUMENTED ON SHEET 2.
- THERE MAY BE ADDITIONAL UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR LOCATIONS SHOWN AND IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION AND NOTIFY THE ENGINEER.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE DRAWINGS:
 GAS UTILITY: 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 RESPONSIBILITY TO PERFORM SUCH WORK.
- THE CONTRACTOR SHALL OBTAIN THE NECESSARY BUILDING PERMITS FOR CONSTRUCTION.
- ALL UTILITIES ARE TO BE RETAINED UNLESS MARKED OTHERWISE AND ADJUSTMENTS ARE TO BE ADJUSTED TO FINISHED GRADE.
- 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.
- THE MEASURES REQUIRED IN THE APPROVED SEDIMENT CONTROL PLAN SHALL APPLY AS IF SHOWN ON THIS PLAN.
- THE CONTRACTOR SHALL CONTACT THE CONSTRUCTION INSPECTOR DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 992-2417 OR 992-2418.
- TOPO TAKEN FROM A SURVEY BY THE RBA GROUP, DATED NOV., 1989.
- ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES, AS PER CMP PLAT NO. 654.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR GRADING AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- PRIOR TO START OF ANY CONSTRUCTION, CONTRACTOR SHALL STAKEOUT ALL CONSTRUCTION AND VERIFY ALL OFFSETS, SETBACKS, EXISTING UTILITY LOCATIONS (HORIZONTAL AND VERTICAL) AND DIMENSIONS.
- CONTRACTOR SHALL USE DIMENSIONS SHOWN. SCALING OF THESE PLANS IS DISCOURAGED UNLESS DIRECTED BY CIVIL 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, THE GRADING OR BUILDING PERMIT, AND THE ORDINANCE.
- 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.
- APPROVAL SHALL BE REQUESTED ON FINAL STABILIZATION OF ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES BEFORE REMOVAL OF CONTROLS.
- ANY DAMAGE TO COUNTY RIGHTS-OF-WAY AND PAVING OF PUBLIC ROADS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE IN ACCORDANCE WITH THE HOWARD COUNTY SPECIFICATIONS AND STANDARDS.
- ALL FILL SHALL BE ROLLED TO A MINIMUM DEGREE OF COMPACTION OF 95% OF THE DRY UNIT WEIGHT AS DETERMINED BY ASTM D-698.
- 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.
- 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.
- ALL DISTURBED AREAS SHALL BE STABILIZED WITH PERMANENT SEED AND MULCH IN ACCORDANCE WITH PLANS APPROVED BY THE HOWARD COUNTY CONSERVATION DISTRICT.
- FOR DETAILS OF UPRIGHT SIGNS AND AREAS FOR HANDICAPPED, SEE THE CODE OF MARYLAND REGULATIONS 05-01-07 MARYLAND BUILDING CODE FOR THE HANDICAPPED.
- PAVED AREAS AS PER DETAILS SHOWN ON THESE APPROVED DRAWINGS.

NOTE: THIS PLAN PREPARED FOR THE COLUMBIA PARK AND RECREATION ASSOC. 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 GAS TOT LOTS AND PATHWAYS.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS REVIEWED: NO FACILITIES REQUIRED	<i>James J. ...</i> DIRECTOR DATE: 5/8/91
APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING	<i>Joseph Butler</i> DIRECTOR DATE: 5/13/91
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT REVIEWED: NO FACILITIES REQUIRED	<i>Frank ...</i> CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE: 5/10/91
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT REVIEWED: NO FACILITIES REQUIRED	<i>Joyce M. ...</i> COUNTY HEALTH OFFICER DATE: 5/9/91

SITE ANALYSIS

TOTAL AREA	= 13.049 ACRES / 568,414 SQ. FT.
DISTURBED AREA	= 0.17 ACRES / 7,350 SQ. FT.
IMPERVIOUS AREA	= 0.07 ACRES / 2,997 SQ. FT.
PERVIOUS AREA	= 0.09 ACRES / 4,353 SQ. FT.
ZONED:	NEW TOWN/OPEN SPACE
AREA TO BE VEGETATIVELY STABILIZED:	4,353 SQ. FT.
TOTAL CUT	= 45 CY
TOTAL FILL	= 10 CY
TOTAL SPOIL	= 35 CY

ADDITIONAL NOTES

DATE: 3-19-91

JKS

SEQUENCE OF CONSTRUCTION

- WITHIN 10 DAYS, PERMIT FROM HO CO DEPT. OF INSPECTIONS AND PERMITS.
- WITHIN THE 10 DAY PERIOD, OBTAIN ALL NECESSARY PERMITS AND PERMITS AT LEAST 48 HOURS BEFORE ANY WORK BEGINS.
- INSTALL AND TEST PERIMETER EROSION CONTROL DEVICES.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE 1 DAY.
- INSTALL SILT FENCE ALONG THE PERIMETER TO BE CONSTRUCTED. PLACE ON THE DOWNWIND SIDE OF THE PROPOSED PATH. MAINTAIN WITH HO CO SOIL CONSERVATION DISTRICT DIVISION OF EROSION AND SEDIMENTATION CONTROL PRACTICES AND STANDARDS. AND SIGNIFICANT FOR SOIL EROSION AND SEDIMENTATION CONTROL.
- NOTIFY HO CO DEPT. OF PERMITS AND LICENSES. SEDIMENT CONTROL DEVICES SHALL BE INSTALLED PRIOR TO INSTALLATION.
- ALL PROPOSED PATHWAY LOCATIONS SHALL BE FIELD STAKED AND APPROVED BY THE PROJECT ENGINEER. PATHWAYS SHALL BE CLOSURE TO EXISTING STREAM CHANNELS WHERE OPEN SPACE PERMITS PERMITS PLANT INSTALLATION.
- WITH THE APPROVAL OF THE DEPARTMENT OF INSPECTIONS AND PERMITS AND THE SETBACKS, SETBACKS, SETBACKS, SETBACKS AND GRUB AREAS FOR EARTH CONSTRUCTION SHALL BE MAINTAINED.
- GRADE AREAS FOR PATHWAY CONSTRUCTION AS CLOSE TO EXISTING GRADES AS POSSIBLE. GRUBS SHALL BE MAINTAINED TO REFLECT EXISTING PROGRAMME. CONSTRUCTION SHALL BE MAINTAINED TO REFLECT EXISTING PROGRAMME.
- MAINTAIN POSITIVE DRAINAGE TO PERMANENT CONTROL STRUCTURES. ALL SLOPES TO BE FIELD STAKED. STABILIZE ROUGH GRADED AREAS 1 DAY.
- STABILIZE ALL DISTURBED AREAS IMMEDIATELY FOLLOWING INITIAL SOIL DISTURBANCE WITH MULCH AND SEED.
- INSTALL SIGN COURSE WITH MINIMUM 4" TALL LETTERS AND BRIDGE AREAS AS REQUIRED TO MAINTAIN POSITIVE DRAINAGE FLOW. 1 DAY.
- AFTER OBTAINING PERMISSION FROM THE SEWERAGE CONTROL DISTRICT, INSTALL ALL NECESSARY UTILITY DEVICES AND STABILIZE THOSE AREAS 1 DAY.

KEY

- LIMIT OF DISTURBANCE
- EXISTING CONTROL
- - - - PROPOSED CONTROL
- - - - PROPOSED IMPROVEMENTS
- SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- EXISTING STREAM
- WETLAND LIMIT AND BUFFER LINE
- 75' STREAM BUFFER
- WETLAND AREA
- CONCRETE PAVING
- DETAIL REFERENCE
- 25% OR GREATER SLOPES

OWNER/DEVELOPER
COLUMBIA PARK 8 RECREATION ASSN.
5829 BANNEKER ROAD
COLUMBIA, MD 21044
(301) 730-1003

ADDRESS CHART

LOT NO.	STREET ADDRESS
LOT 3 B-72	10332 COLLEGE SQUARE

SUBDIVISION NAME
VILLAGE OF HICKORY RIDGE

SECTION/AREA	LOT/PARCEL
5 / 2	LO 3, B-72

PLAT
6324-8328
6540

BLOCK	TAX ZONE	MAP	ELEC. DIST.	UNUS. TR.
7	85	36	5	6C53.02

WATER CODE
NA

SEWER CODE
NA

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

David A. Blunt
SIGNATURE OF DEVELOPER
(PRINT NAME BELOW)

DATE: 5/21/91

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 COUNTY CONSERVATION DISTRICT.

Corbin T. Masker, Jr.
SIGNATURE OF ENGINEER
(PRINT NAME BELOW)

DATE: 5-28-91

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 COUNTY CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY.

David A. Blunt
SIGNATURE OF DEVELOPER
(PRINT NAME BELOW)

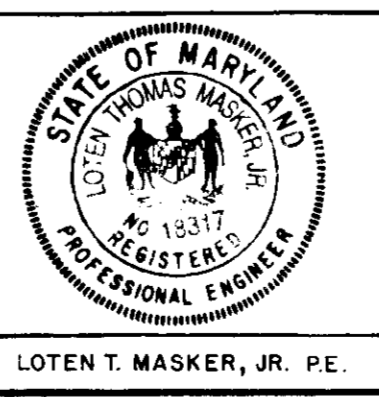
DATE: 5/21/91

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

APPROVED: *John R. Robertson* 4/13/91
HOWARD S.C.D. DATE

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

APPROVED: *Joyce M. ...* 5/19/91
S.C.S. SOIL CONSERVATION SERVICE DATE



revisions

no.	description	date
1	REVISED PER COUNTY COMMENTS	1/31/91

prepared by
RBA ENGINEERS • ARCHITECTS • PLANNERS
5560 STERNLY PLACE, SUITE 700
COLUMBIA, MARYLAND 21044
301 / 730-7950 621-6050

PLAN & DETAILS
COLUMBIA VILLAGE OF HICKORY RIDGE
SECTION 5 AREA 2 LOT 3
COLLEGE SQUARE TOT LOT AND PATH

ELECTION DISTRICT NO. J
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

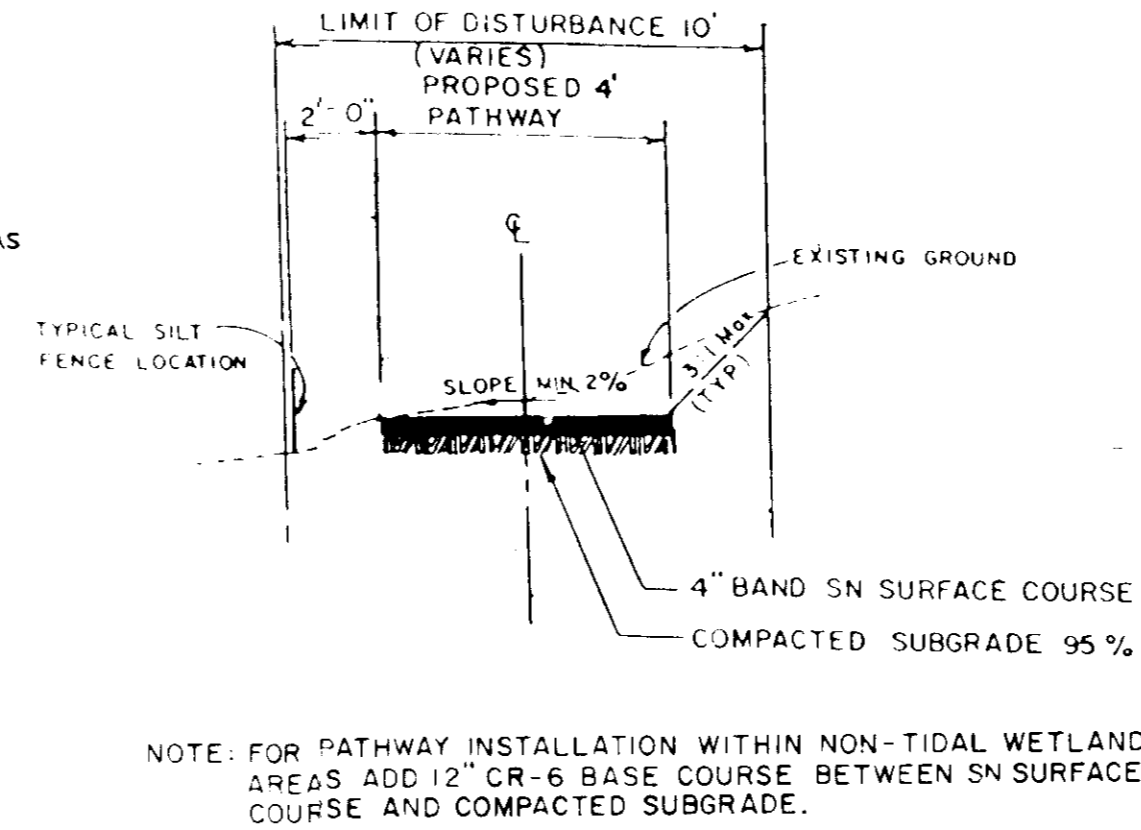
DRAWN	CHECKED
J.M.M.	L.D.T.
PROJ. NO.	DATE
9164	
SHEET	OF
1	3

SEDIMENT AND EROSION CONTROL NOTES

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPT. OF INSPECTIONS, LICENSING AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. (992-2437)
- 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 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.
- 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), SOO (SEC. 54), TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY DEPT. OF PUBLIC WORKS' SEDIMENT CONTROL INSPECTOR.
- 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.
- 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.
- ANY CHANGE TO THE GRADING PROPOSED ON THIS PLAN REQUIRES RE-SUBMISSION TO HOWARD COUNTY SOIL CONSERVATION DISTRICT FOR APPROVAL.
- 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.
- 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.
- ANY DISTURBED EARTH LEFT IDLE FOR PERIODS EXCEEDING 30 DAYS SHALL BE STABILIZED ACCORDING TO TEMPORARY STABILIZATION SPECIFICATIONS.
- AT THE END OF EACH WORKING DAY ALL SEDIMENT CONTROL PRACTICE WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
- THE SEDIMENT CONTROL APPROVALS ON THIS PLAN EXTEND ONLY TO AREAS AND PRACTICES IDENTIFIED AS PROPOSED WORK.
- 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.
- AT THIS TIME, WE BELIEVE THAT SECTIONS 404 OR 401 OF THE CLEAN WATER ACT DO NOT AFFECT OUR SITE.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS, AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORMWATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORMWATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS, AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR GRADING AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.

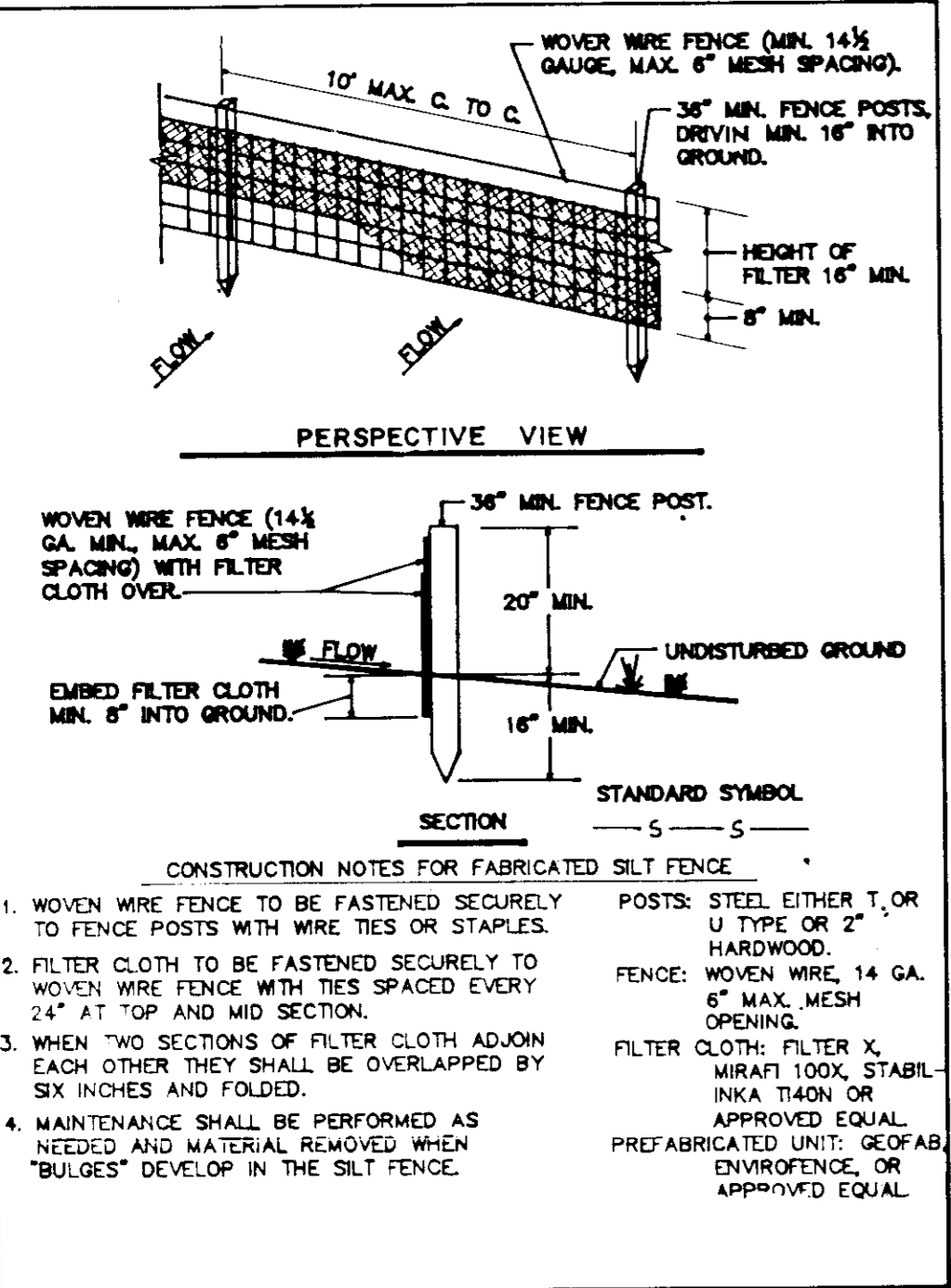
SEEDING NOTES

- TEMPORARY SEEDING NOTES:**
 APPLY TO GRADED OR CLEARED AREAS 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 (0.7 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 SOO.
- MULCHING:** APPLY 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.
- 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:** IN LIEU 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 SOO. 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.

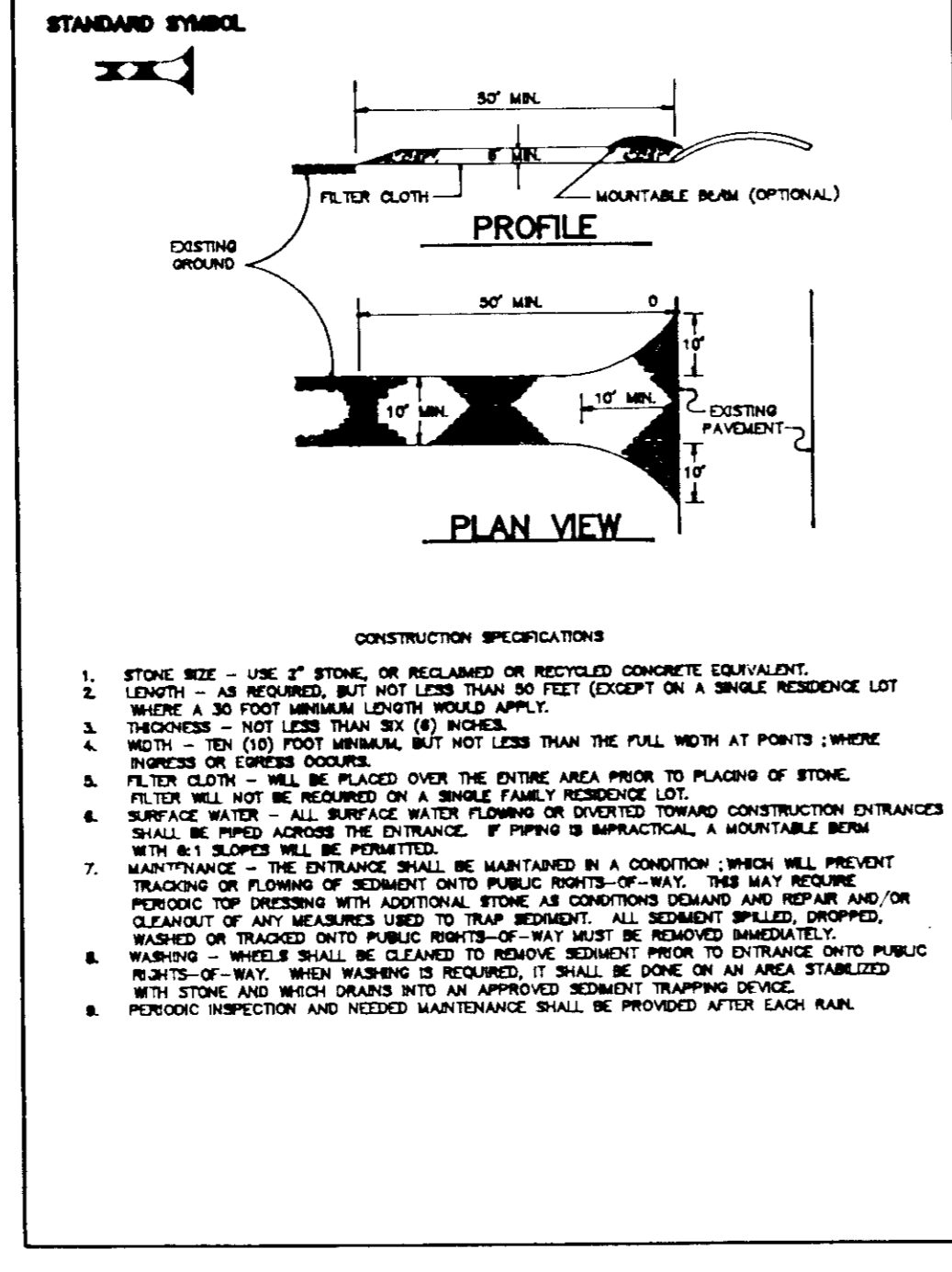


3 TYPICAL PATHWAY CROSS SECTION
NOT TO SCALE

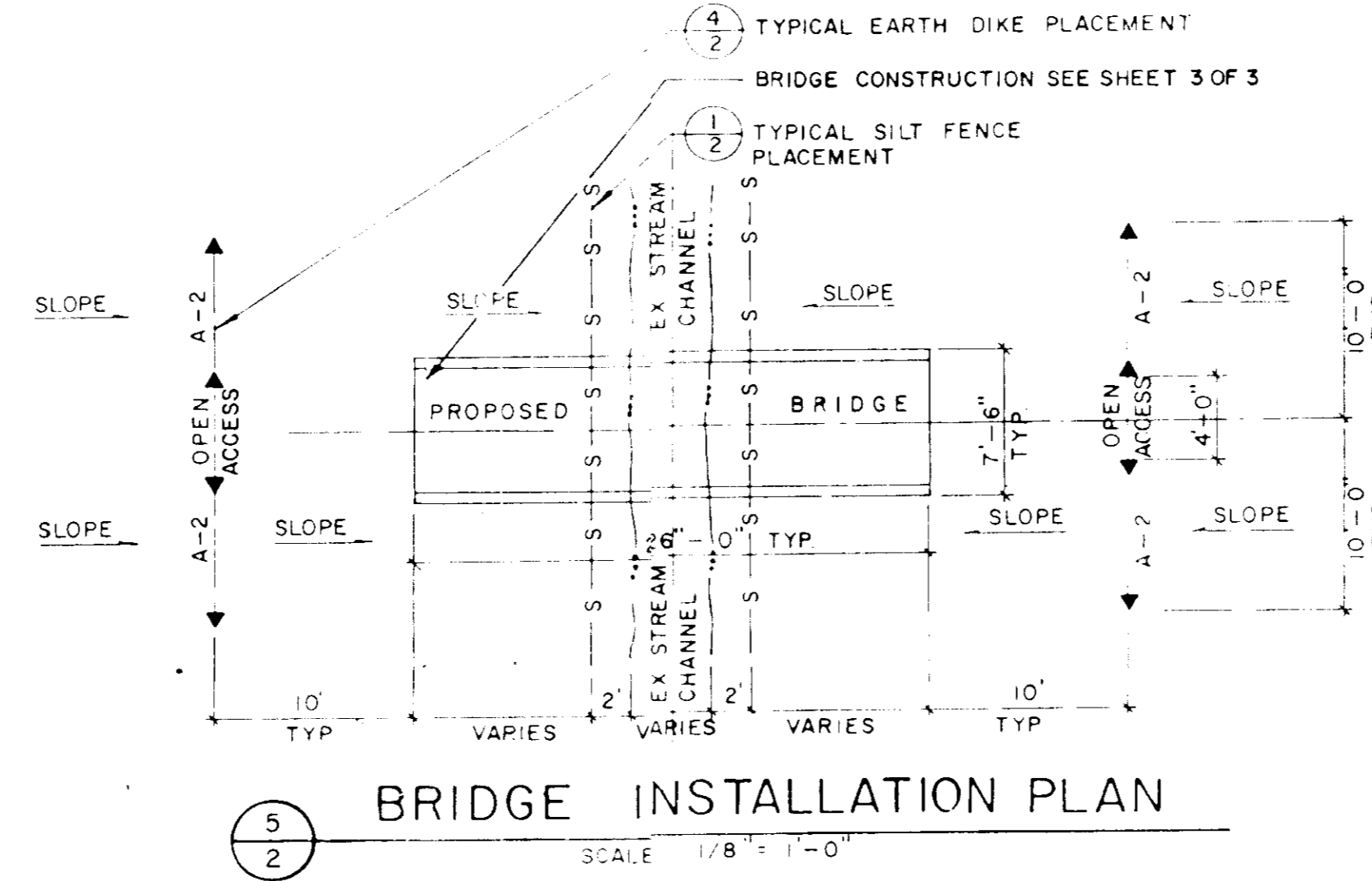
4 A-2 DIKE SWALE DETAIL
NOT TO SCALE



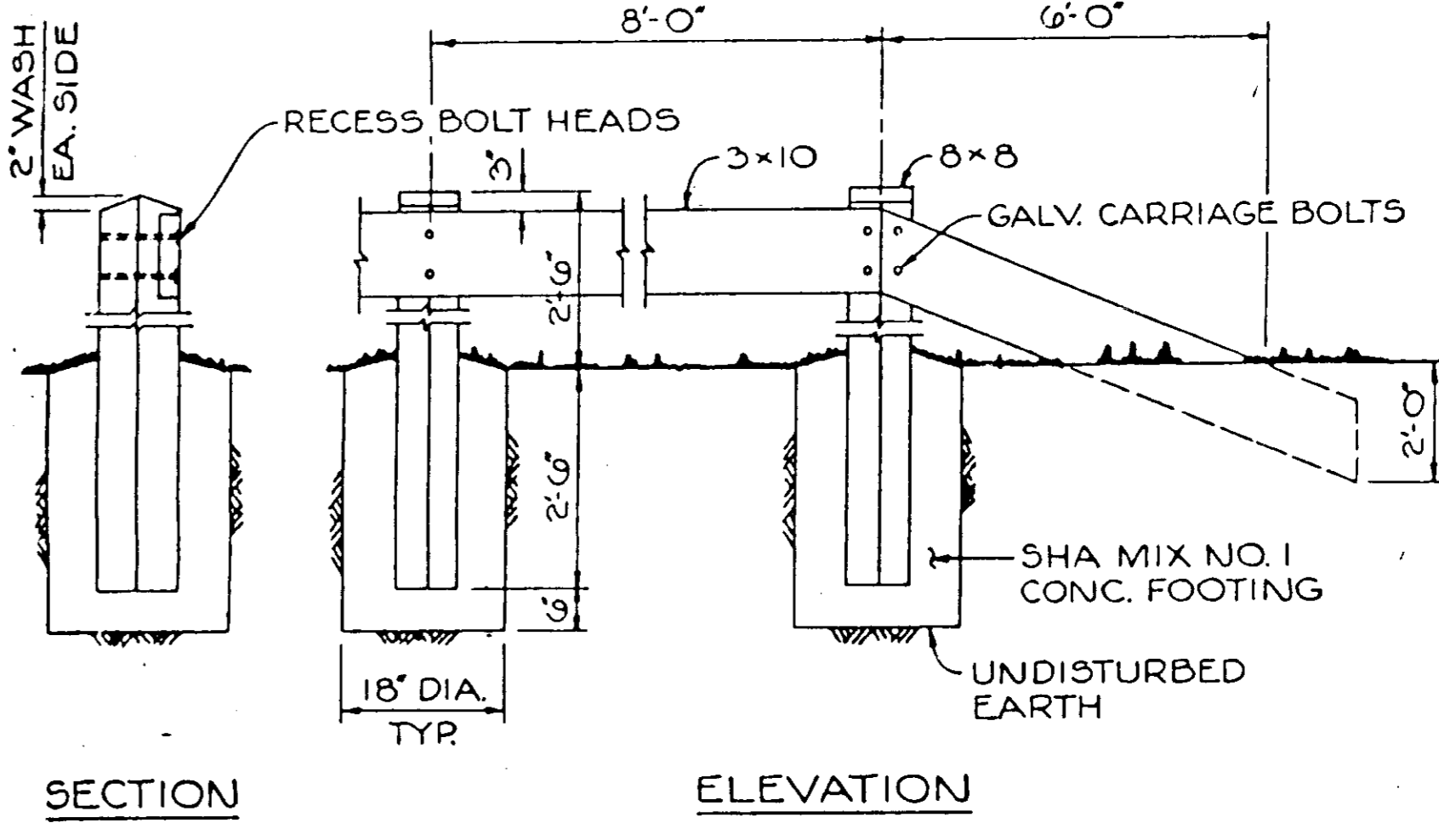
1 SILT FENCE
NOT TO SCALE



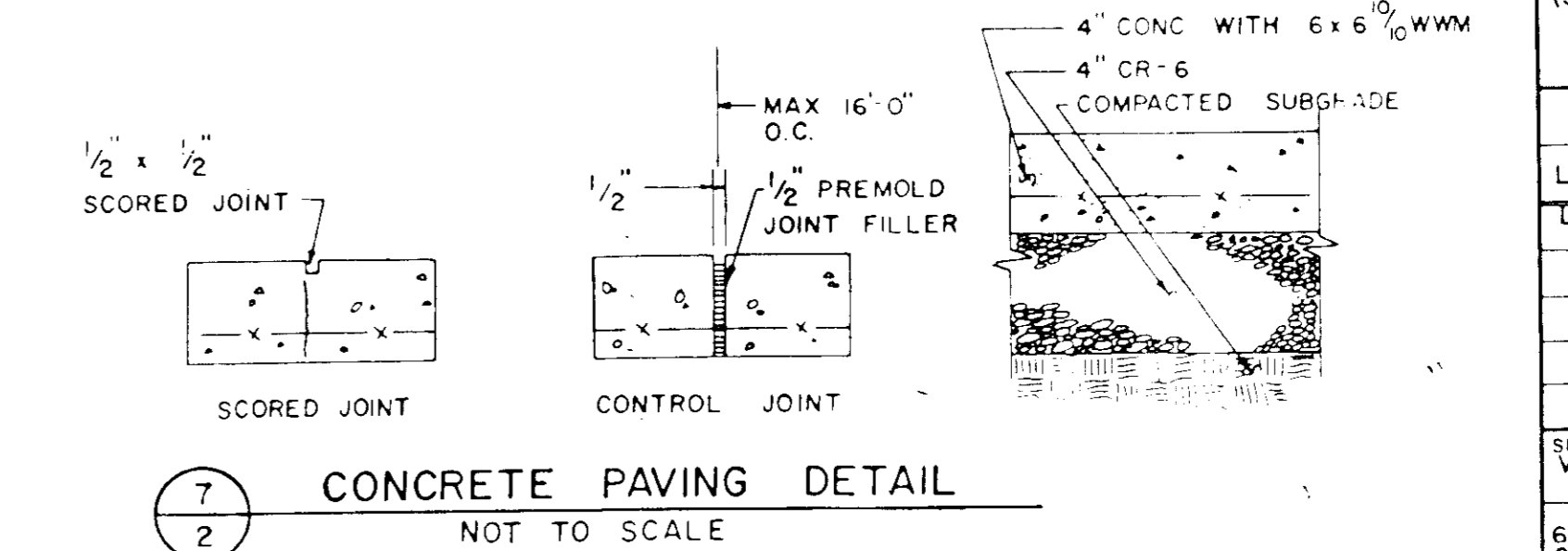
2 STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



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



6 TIMBER GUARD RAIL DETAILS
NOT TO SCALE



7 CONCRETE PAVING DETAIL
NOT TO SCALE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 REVIEWED: NO FACILITIES REQUIRED. 5/8/91
 DIRECTOR DATE
 CHIEF BUREAU OF ENGINEERING MK DATE
 APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 DIRECTOR DATE 5/13/91
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE 5/19/91
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT REVIEWED: NO FACILITIES REQUIRED. 5/19/91
 COUNTY HEALTH OFFICER DATE

APPROVED
 DATE 3-19-91
 85

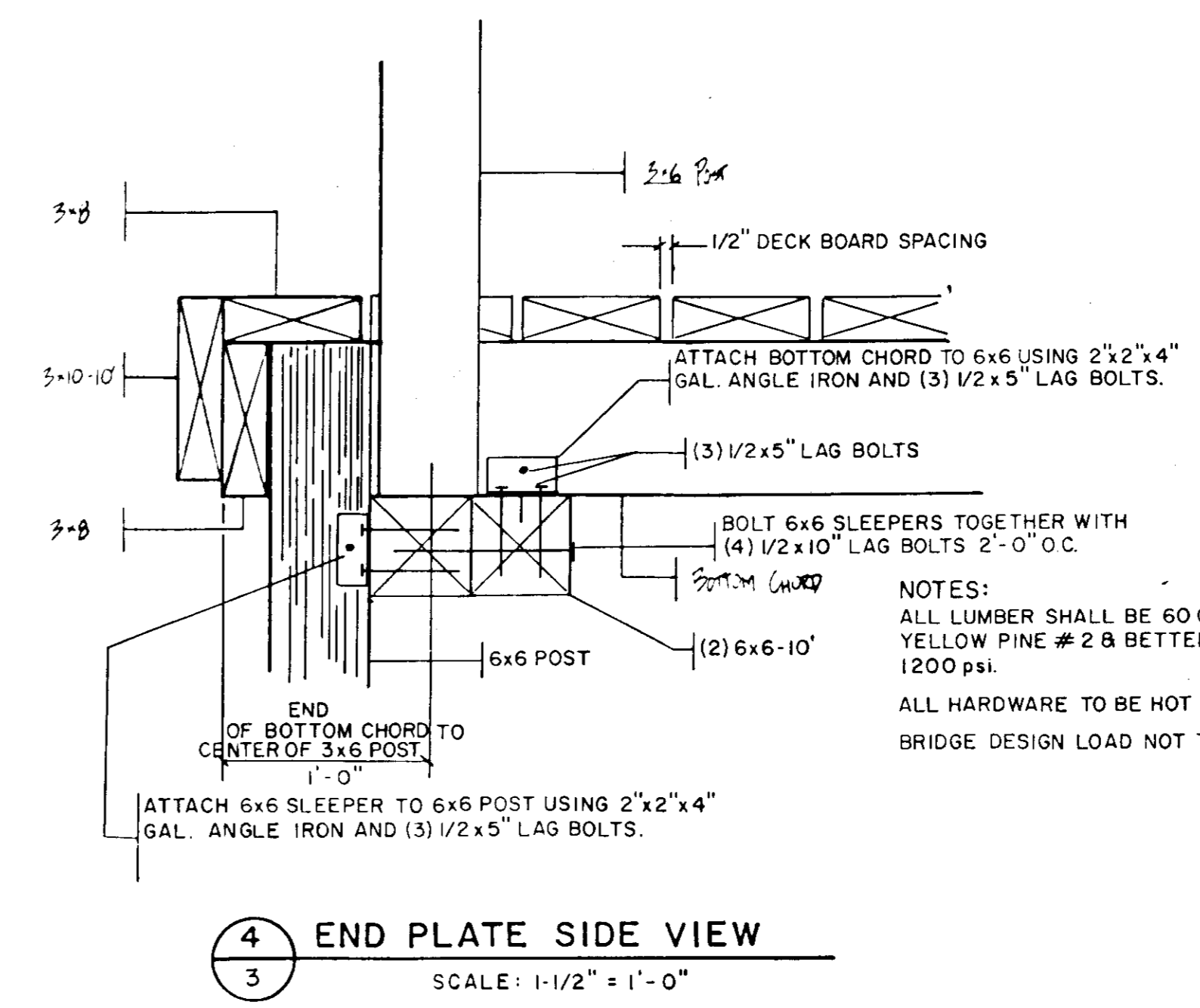
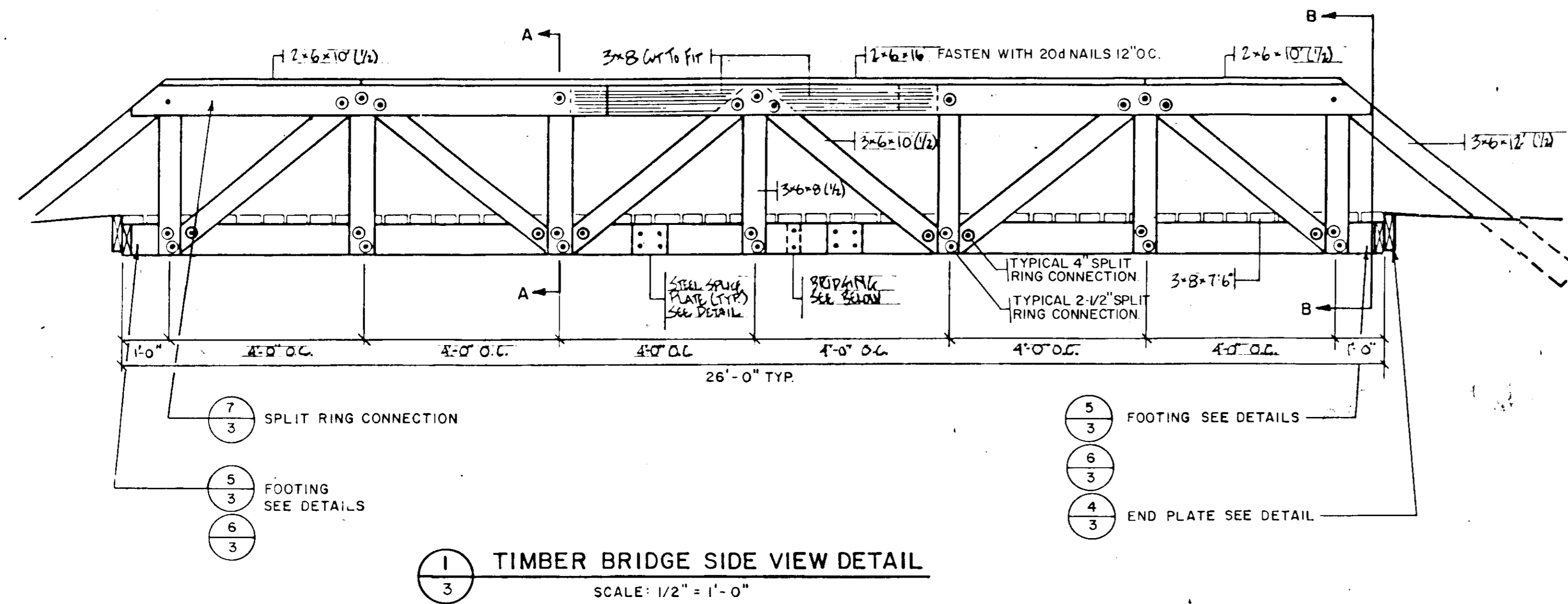
OWNER/DEVELOPER COLUMBIA PARK & RECREATION ASSN. 5829 BANNEKER ROAD COLUMBIA, MD. 21044 (301) 730-1003	
ADDRESS CHART	
LOT NO.	STREET ADDRESS
LOT-3 B-72	10332 COLLEGE SQUARE
SUBDIVISION NAME: VILLAGE OF HICKORY RIDGE	
SECTION/AREA: 5 / 2	LOT/PARCEL: LOT-3, B-72
PLAT: 6324 B325	BLOCK: 7
WATER CODE: NA	SEWER CODE: NA

<p>RESPONSIBLE PERSONNEL CERTIFICATION</p> <p>"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."</p> <p>SIGNATURE OF DEVELOPER: <i>Dennis A. Ellis</i> DATE: 3-28-91</p>	<p>CERTIFICATION BY THE ENGINEER</p> <p>"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."</p> <p>SIGNATURE OF ENGINEER: <i>Loren T. Masker, Jr.</i> DATE: 3-28-91</p>	<p>CERTIFICATION BY THE DEVELOPER</p> <p>"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."</p> <p>SIGNATURE OF DEVELOPER: <i>Dennis A. Ellis</i> DATE: 4/1/91</p>	<p>THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT</p> <p>APPROVED: <i>John R. Roberts</i> 4/3/91 HOWARD S.C.D. DATE</p> <p>REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.</p> <p>APPROVED: <i>Jean M. Adams</i> 4/4/91 U.S. SOIL CONSERVATION SERVICE DATE</p>	<p>STATE OF MARYLAND PROFESSIONAL ENGINEER LOTEN T. MASKER, JR. PE.</p>	<p>revisions</p> <table border="1"> <tr> <th>no.</th> <th>description</th> <th>date</th> </tr> <tr> <td>1</td> <td>REVISED PER COUNTY COMMENTS.</td> <td>1/31/91</td> </tr> </table> <p>prepared by RBA ENGINEERS + ARCHITECTS + PLANNERS 5550 ST. JAMES PLACE, SUITE 300 COLUMBIA, MARYLAND 21011 301 / 730-7950 621-6010</p>	no.	description	date	1	REVISED PER COUNTY COMMENTS.	1/31/91	<p>SITE DETAILS</p> <p>COLUMBIA VILLAGE OF HICKORY RIDGE SECTION 5 AREA 2 LOT 3 COLUMBIA PARK & RECREATION ASSN. TOT LOT AND PATH ELECTION DISTRICT NO. 5 HOWARD COUNTY, MARYLAND</p> <p>SCALE AS SHOWN</p> <table border="1"> <tr> <td>DATE</td> <td>CHECKED</td> </tr> <tr> <td>PROJ. NO. 916</td> <td>L.D.T.</td> </tr> <tr> <td>2</td> <td>3</td> </tr> <tr> <td>SHEET</td> <td>OF</td> </tr> </table>	DATE	CHECKED	PROJ. NO. 916	L.D.T.	2	3	SHEET	OF
no.	description	date																		
1	REVISED PER COUNTY COMMENTS.	1/31/91																		
DATE	CHECKED																			
PROJ. NO. 916	L.D.T.																			
2	3																			
SHEET	OF																			

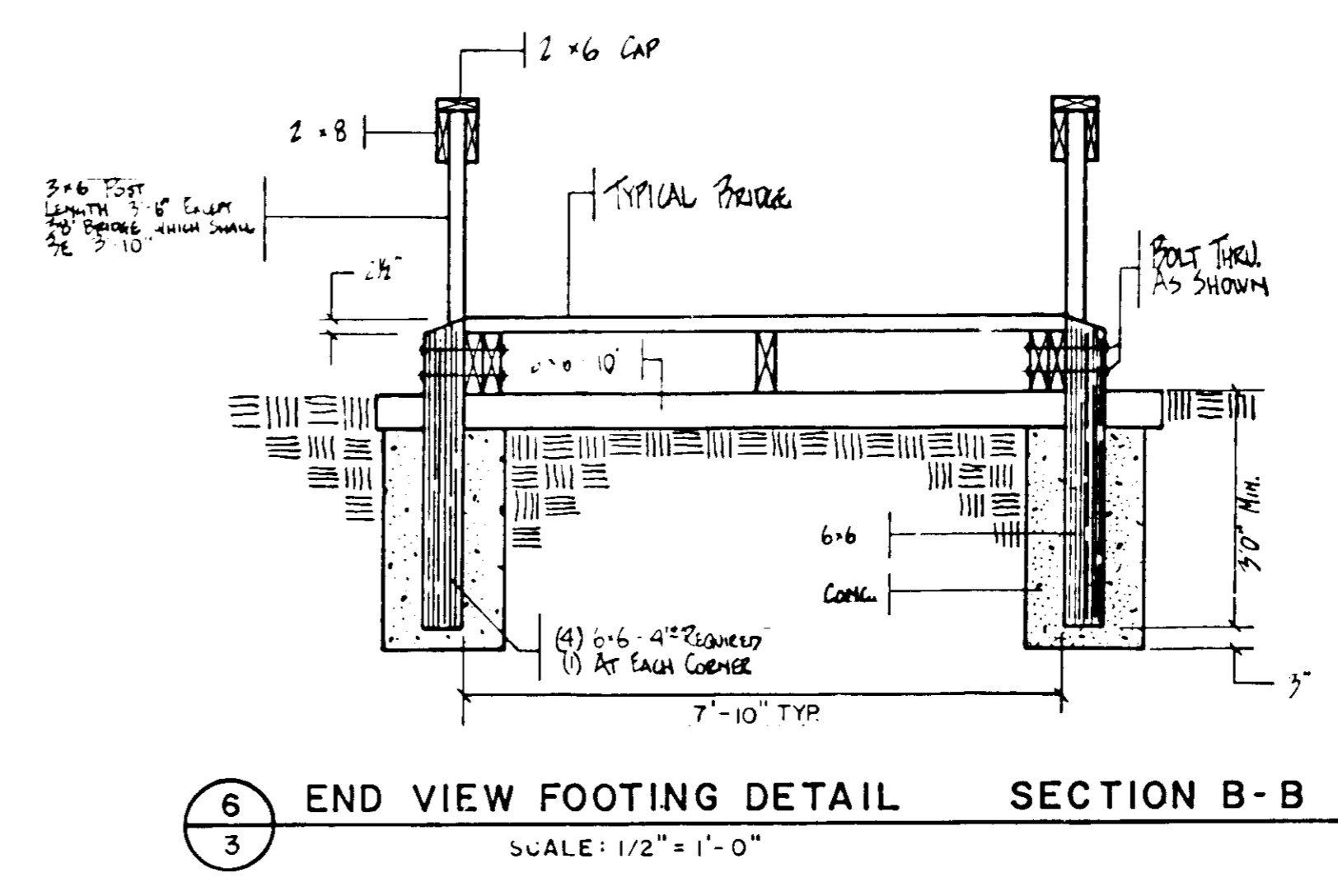
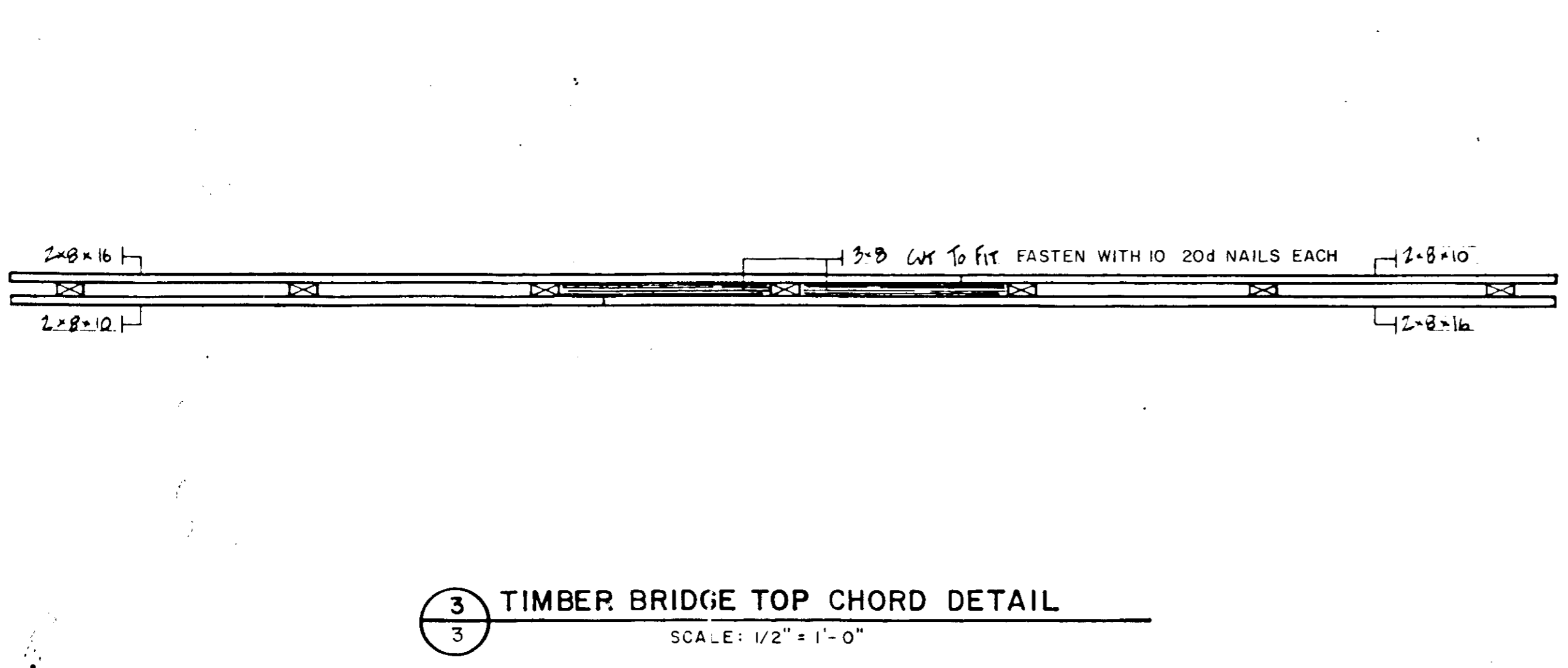
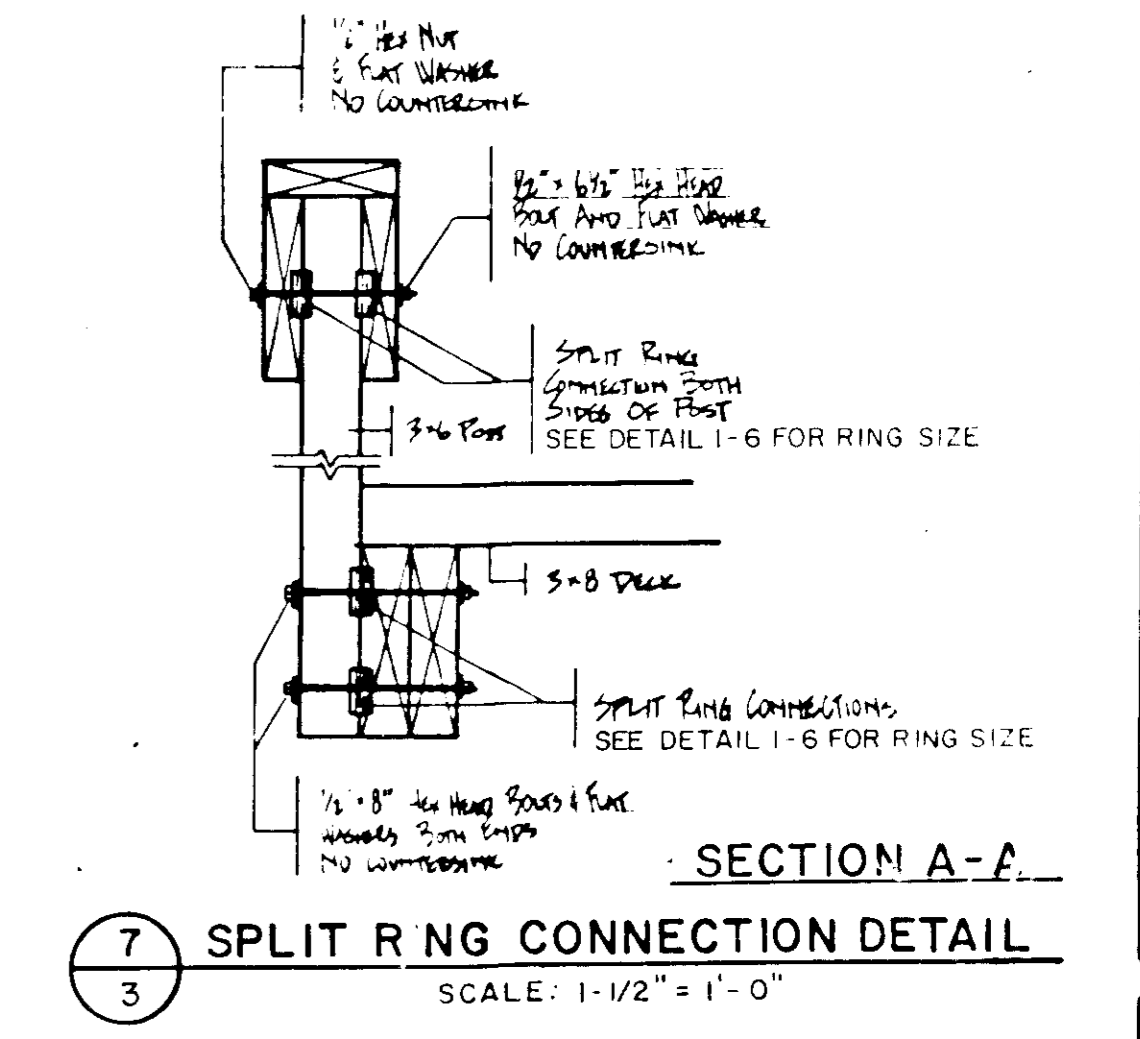
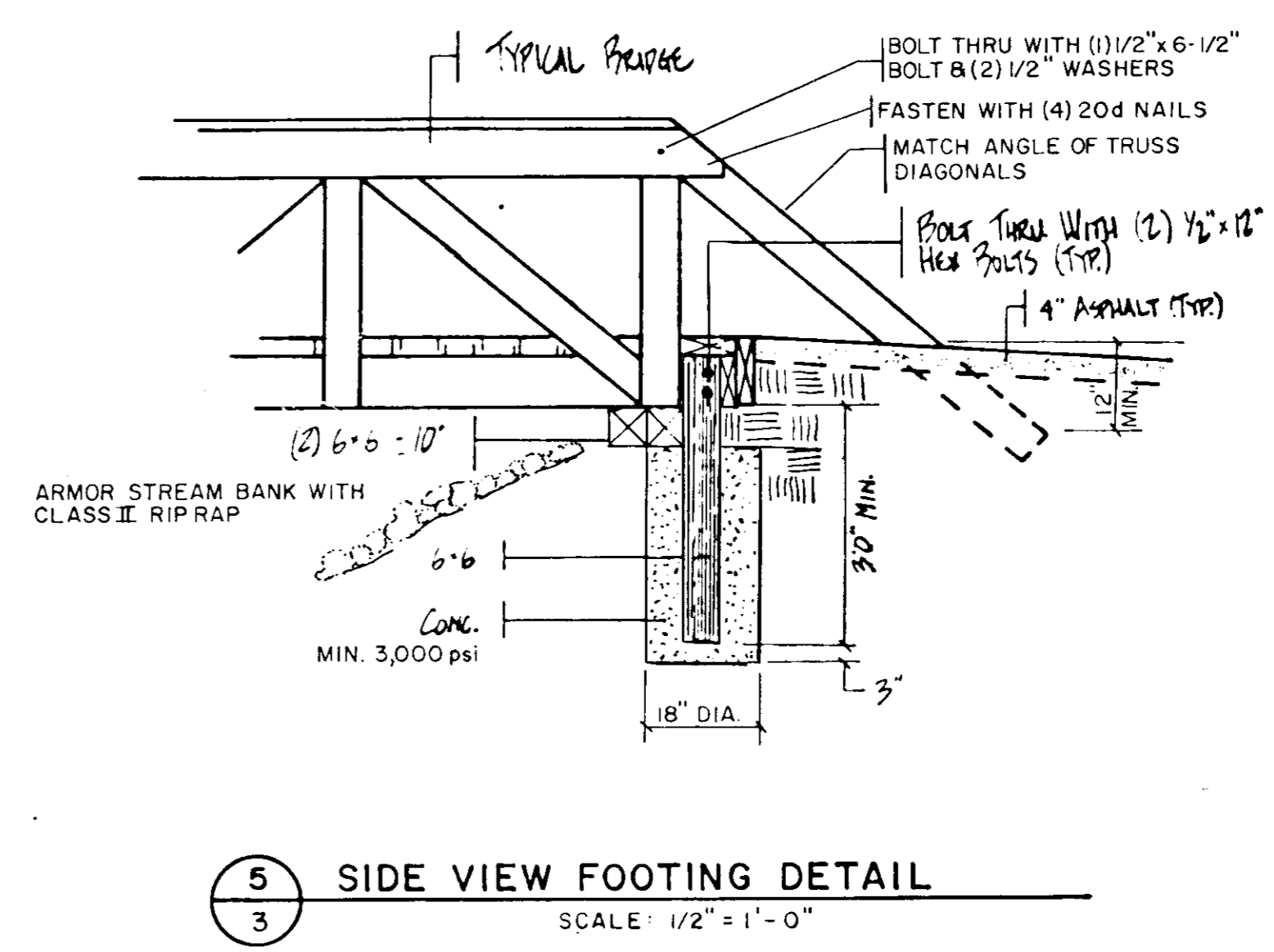
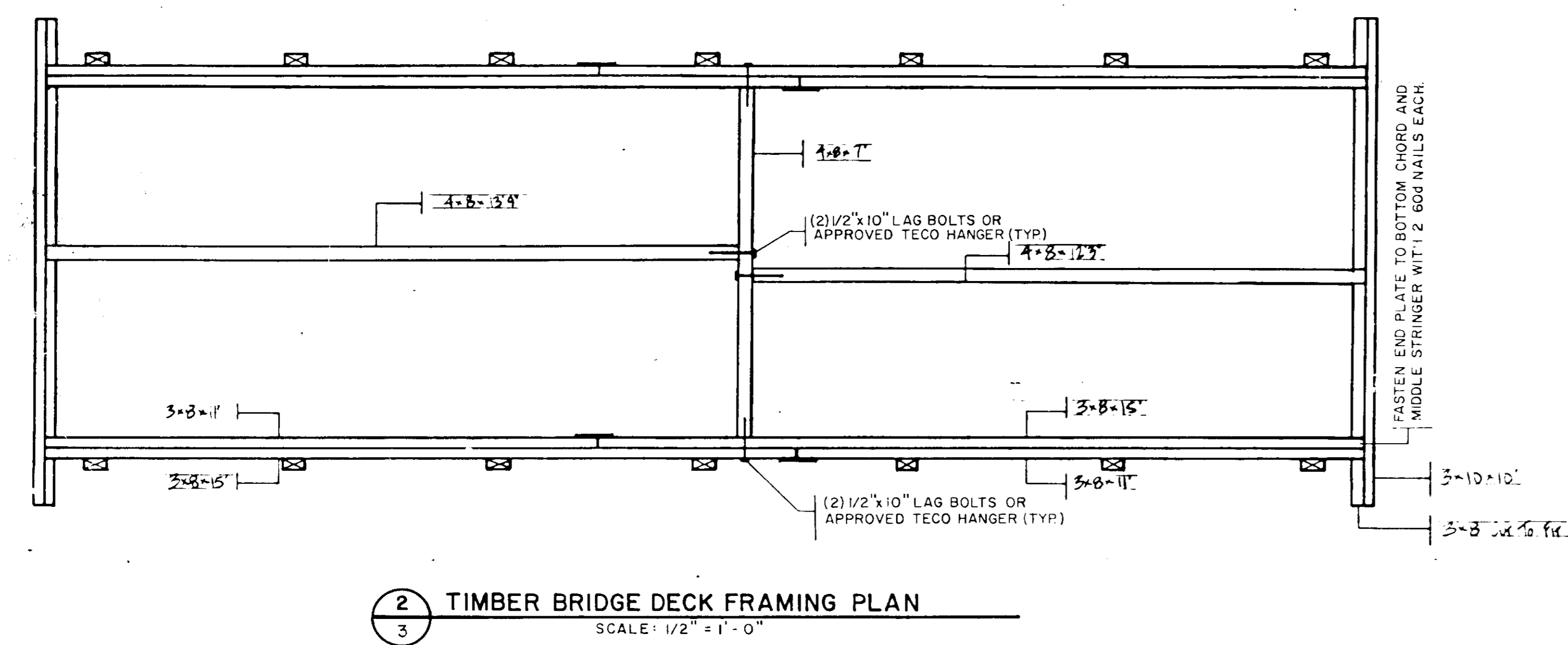
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 REVIEWED: NO FACILITIES REQUIRED. DATE 2/2/91
 DIRECTOR DATE 5-7-91
 CHIEF BUREAU OF ENGINEERING DATE 5/10/91

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
 DATE 5/13/91
 DIRECTOR DATE 5/10/91
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE 5/10/91

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
 REVIEWED: NO FACILITIES REQUIRED.
 DATE 5/19/91
 COUNTY HEALTH OFFICER DATE



APPROVED
 PLAN OF HOWARD COUNTY
 DATE 3-19-91
 SCS



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

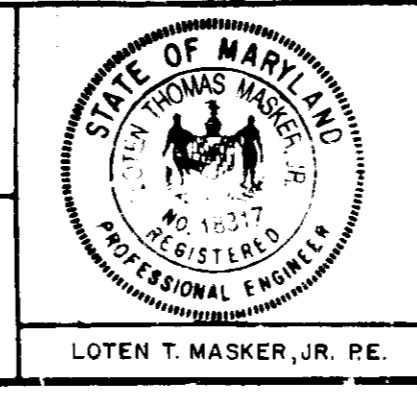
OWNER/DEVELOPER COLUMBIA PARK & RECREATION ASSOCIATION 5829 BANNEKER ROAD COLUMBIA, MD. 21044 (301) 730-1003	
ADDRESS CHART	
LOT NO.	STREET ADDRESS
LOT-3 B-72	10332 COLLEGE SQUARE
SUBDIVISION NAME VILLAGE OF HICKORY RIDGE	
SECTION/AREA 5/2	LOT/PARCEL LOT-3, B-72
PLAT 6324, 6325, 6540	BLOCK ZONE TAX 7 NT 36
SECTION QS	LOT 5
TAXES 6053.02	
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: DENNIS A. ELLIS
 DATE: 8/29/91

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: Loten T. Masker, Jr.
 DATE: 3-28-91

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: DENNIS A. ELLIS
 DATE: 8/29/91

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: John L. Roberts 4/3/91
 HOWARD S.C.D. DATE
 REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
 APPROVED: James M. Hahn 4/4/91
 U.S. SOIL CONSERVATION SERVICE DATE



revisions	
no.	description

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

TYPICAL BRIDGE DETAILS
 SCALE AS SHOWN
 COLUMBIA VILLAGE OF HICKORY RIDGE
 SECTION 5 AREA 2 LOT 3
 COLLEGE SQUARE TOT LOT AND PATH
 ELECTION DISTRICT NO. 5
 HOWARD COUNTY, MARYLAND
 SCALE: 3/16" = 1'-0"
 DRAWN: 9164
 PROJ. NO.: 9164
 SHEET: 3 OF 3