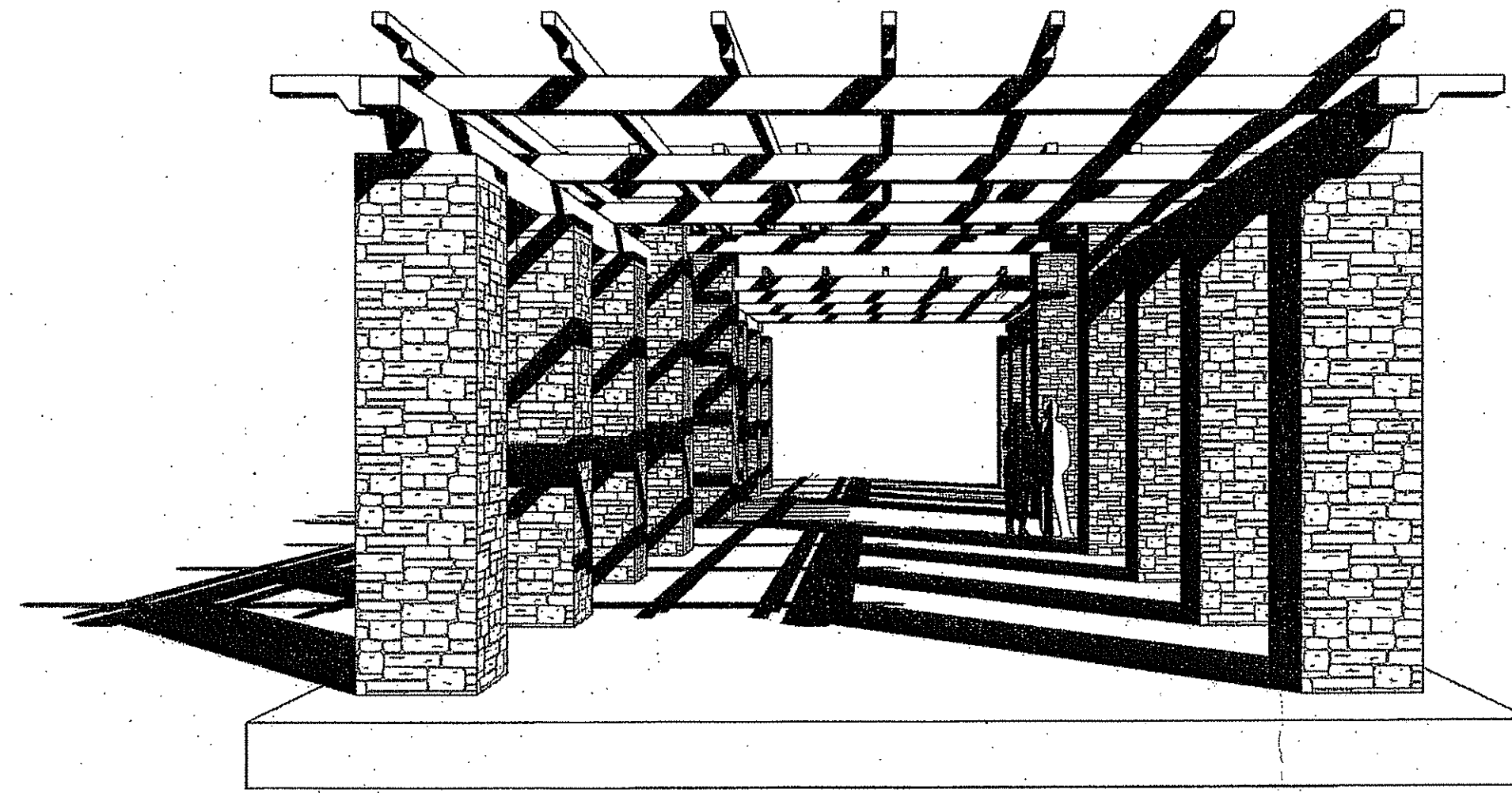


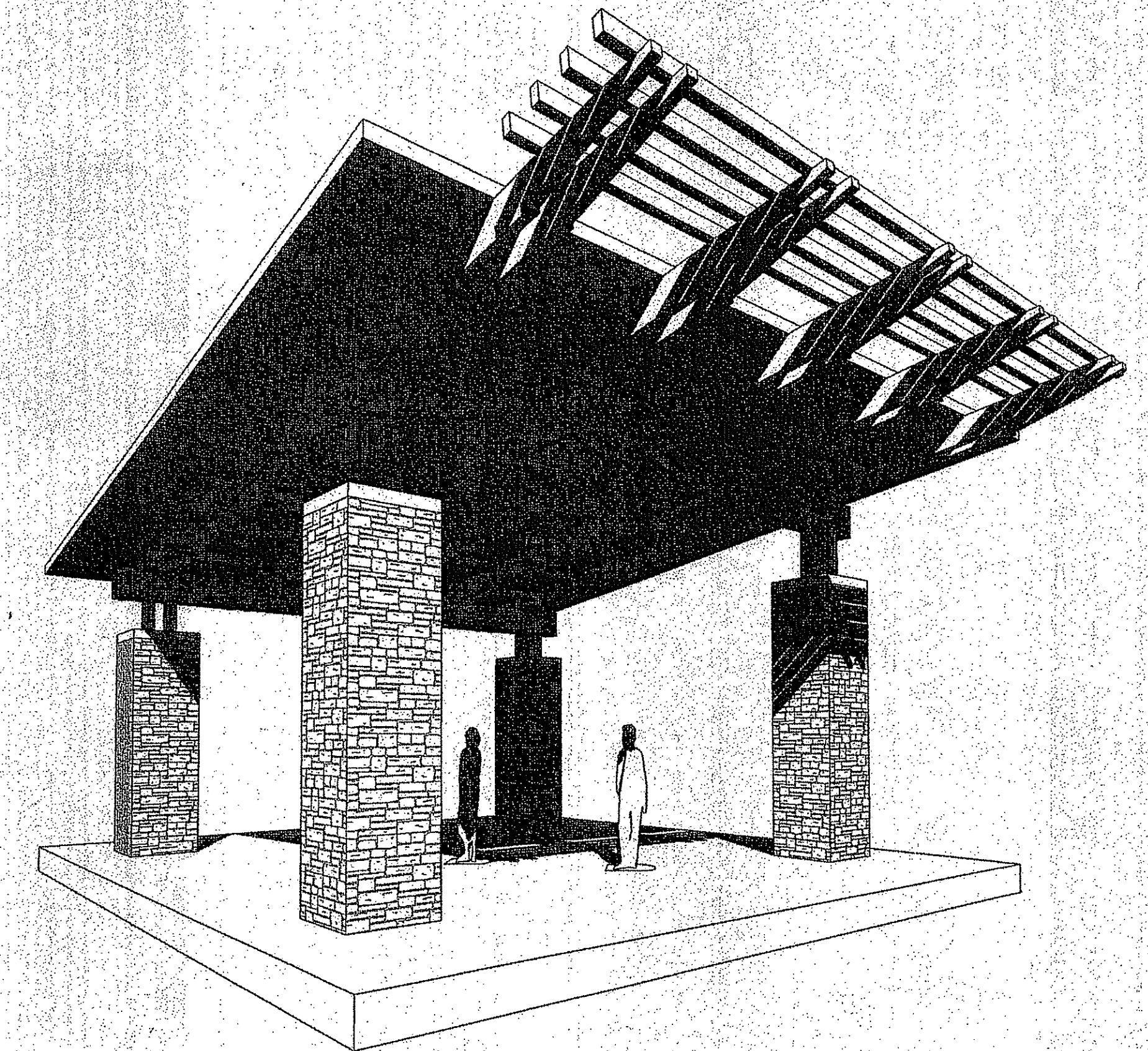
1 TRELLIS B - VIEW 01

A1.3



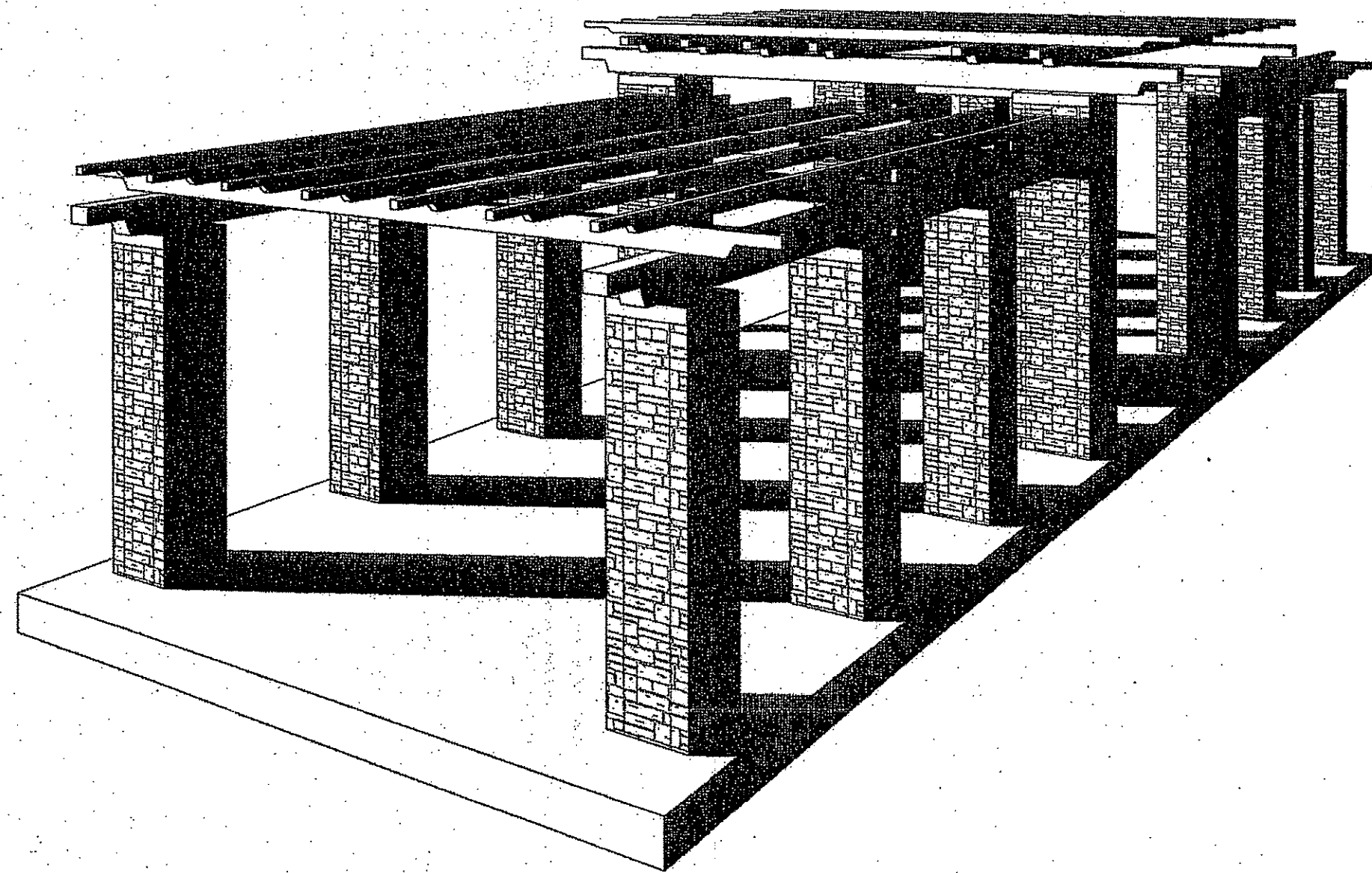
3 TRELLIS B - VIEW 02

A1.3



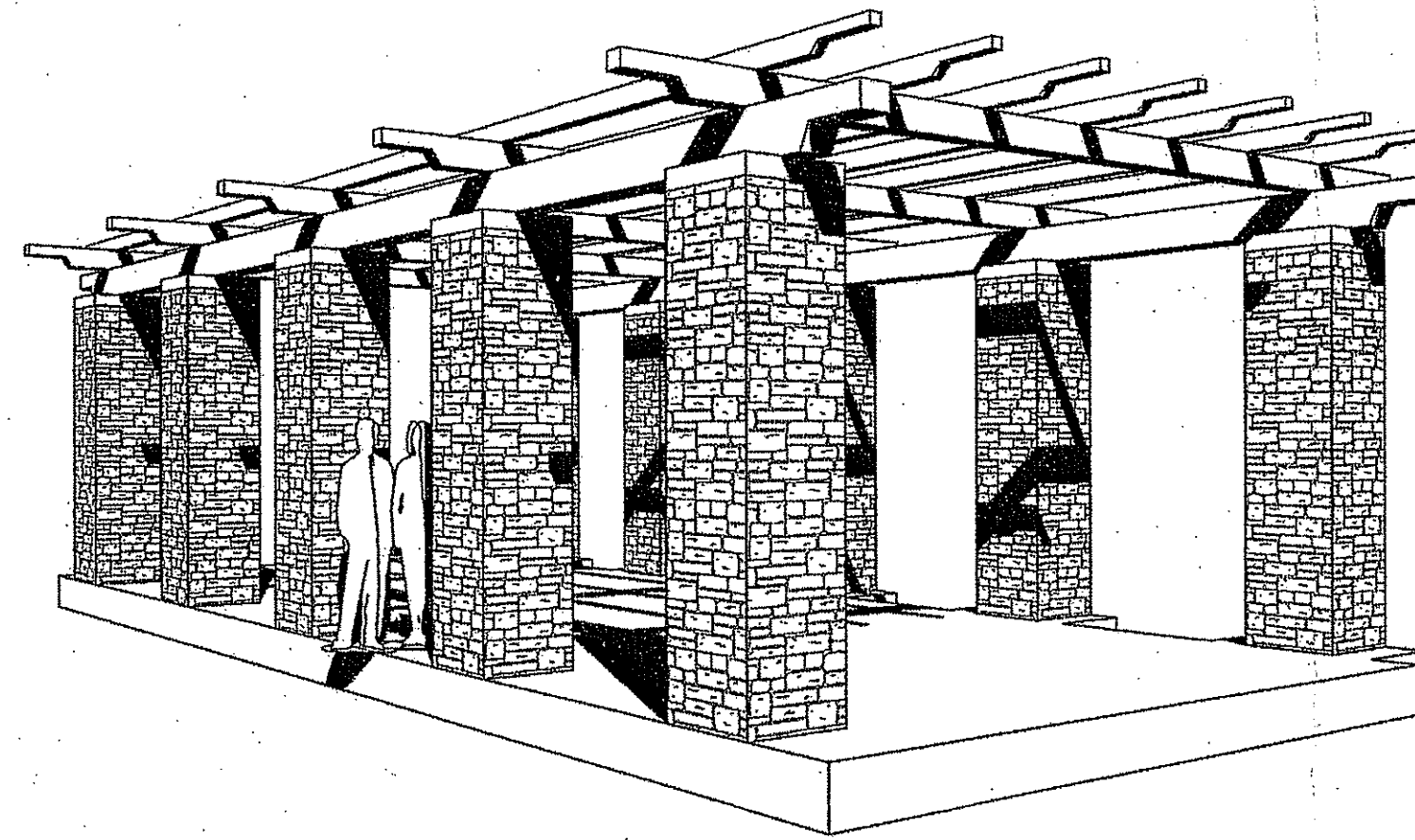
5 PAVILION - VIEW 01

A1.3



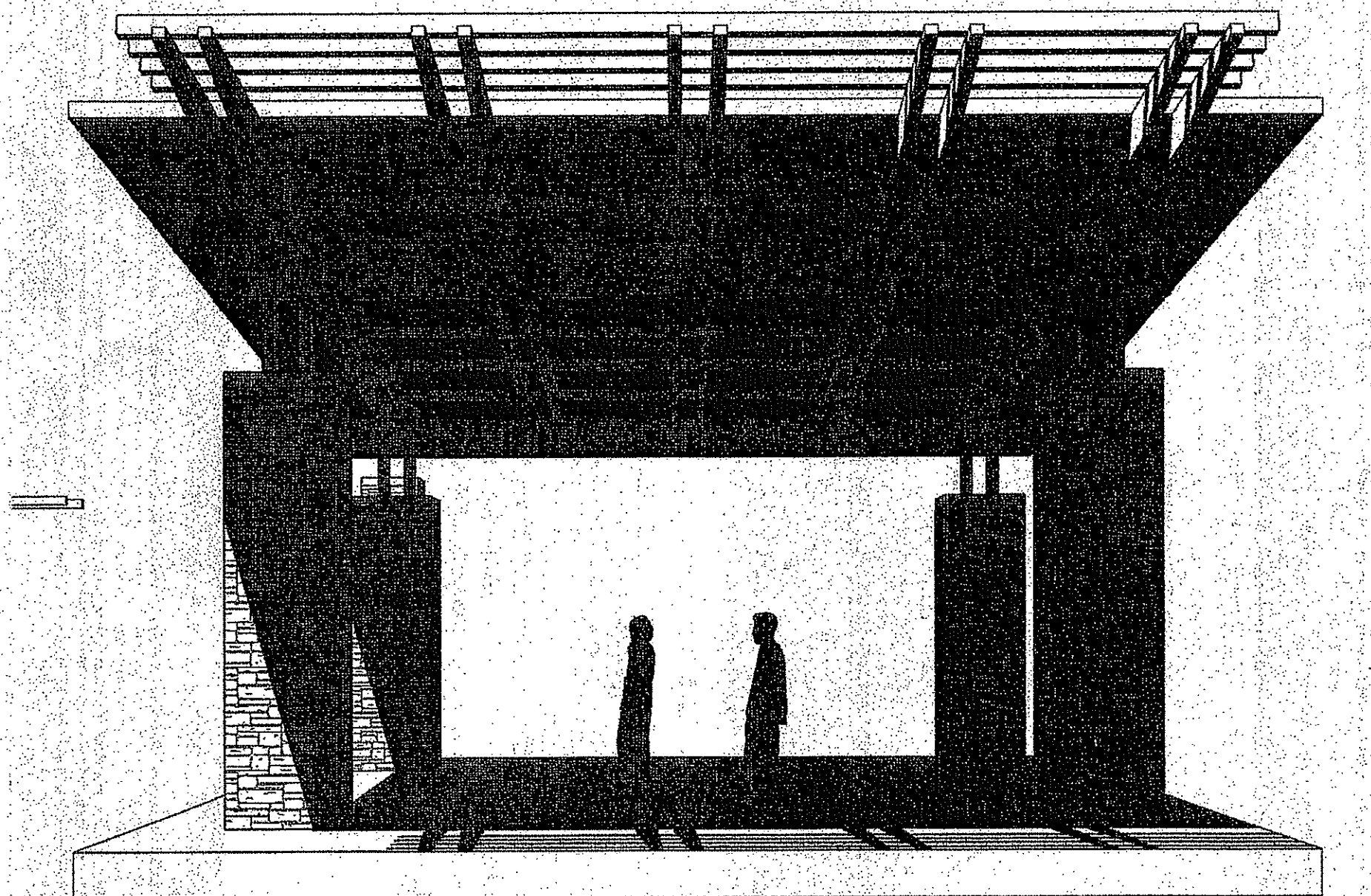
2 TRELLIS B - VIEW 03

A1.3



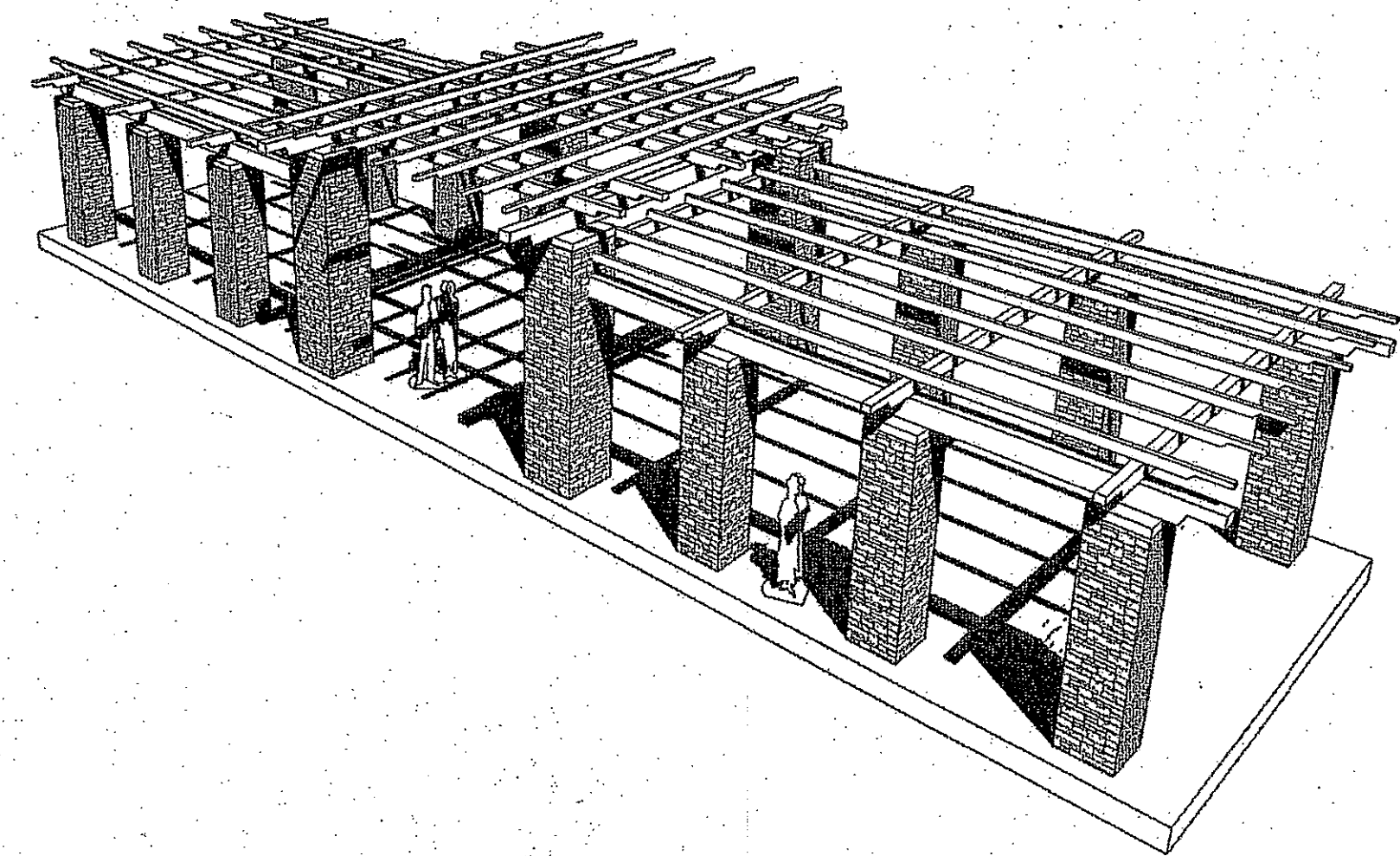
4 TRELLIS A - VIEW 01

A1.3



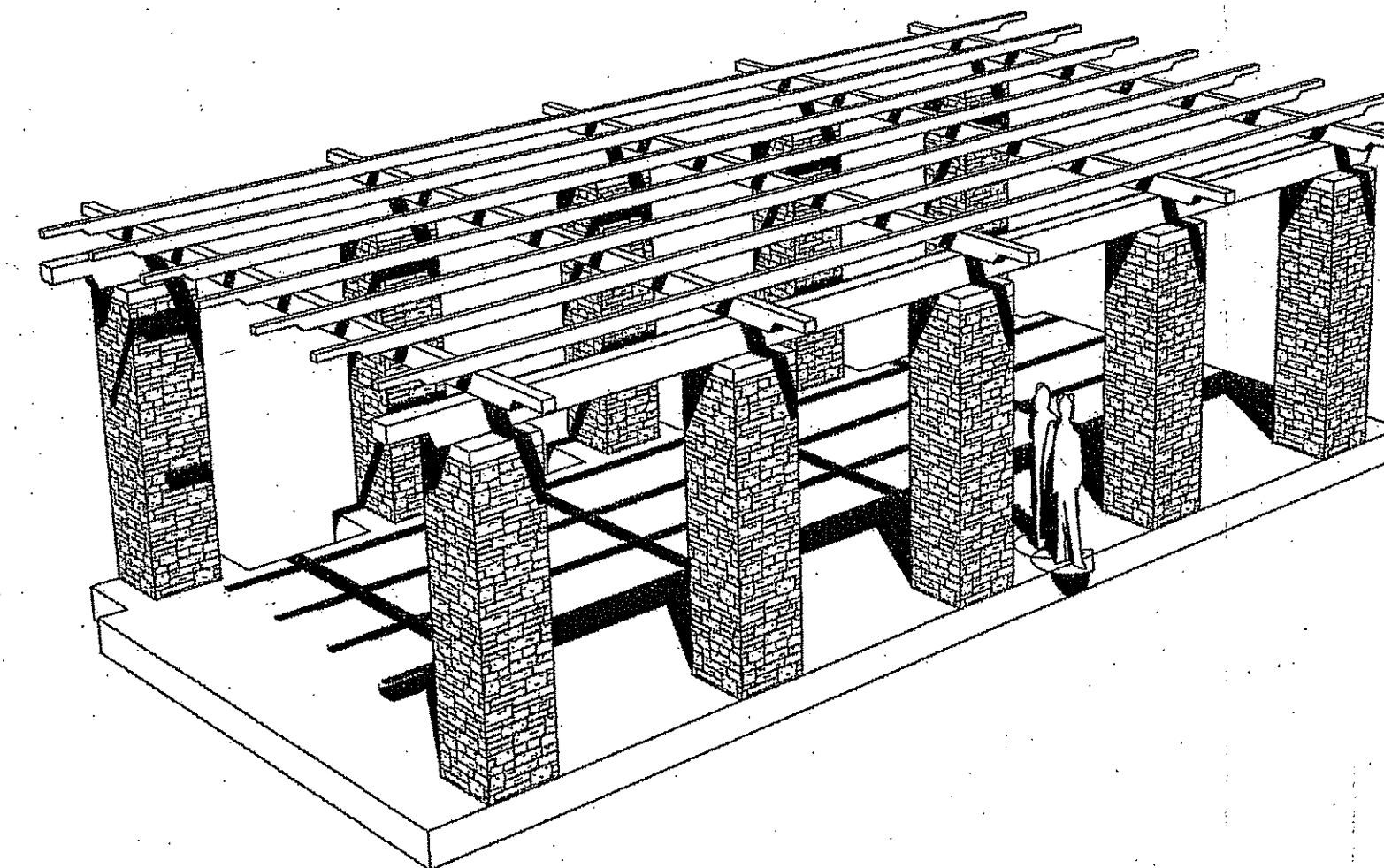
6 PAVILION - VIEW 02

A1.3



7 TRELLIS B - VIEW 04

A1.3



8 TRELLIS A - VIEW 02

A1.3

NOTE: VIEWS ARE FOR INFORMATION ONLY. THEY SHOULD NOT BE REFERRED TO FOR CONSTRUCTION. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.

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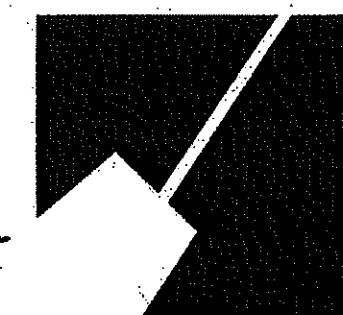
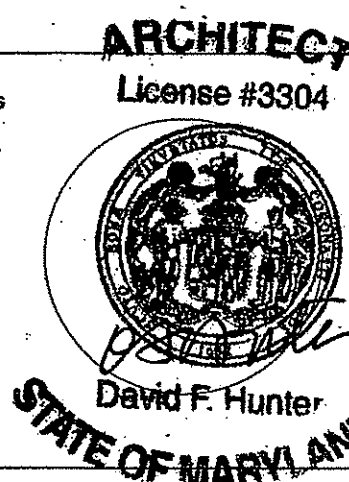
HORD COPLAN MACHT, INC.
ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN

750 E. Pratt Street, Suite 1100
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Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional architect under the laws of the State of Maryland.

License No. #3304

Expiration Date 08.24.13



**The Maryland-National Capital
Park and Planning Commission**

Montgomery County Department of Parks
9500 Brunett Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL

Project Manager
Date 8/1/13 Wade Fornes
Construction Manager Engineer
Date 8/13/13 b. [signature]
Park Manager
Date

ISSUED FOR PROCUREMENT ON

REVISIONS

Rev. No.	Date	Description

GREENBRIAR LOCAL PARK

PAVILION AND TRELLIS VIEWS

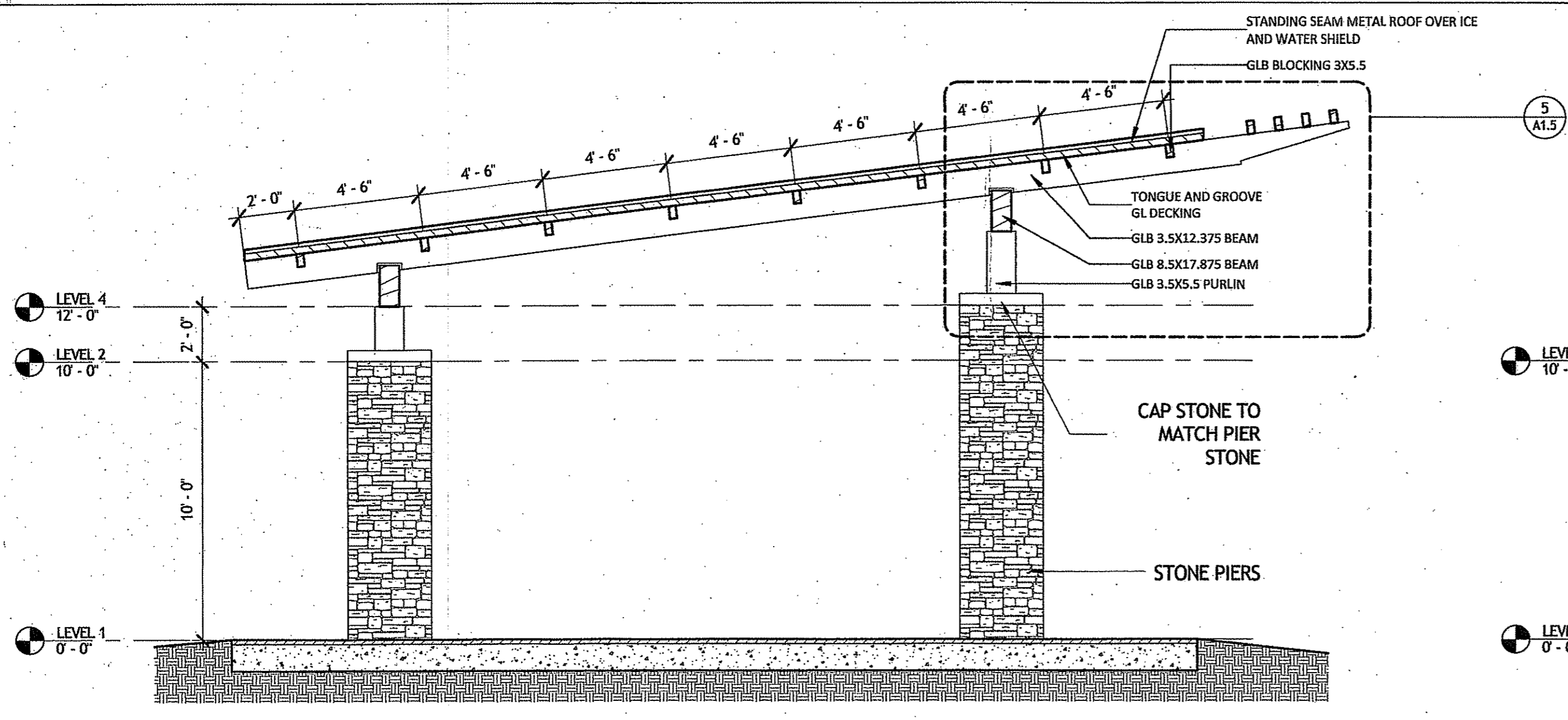
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DWG. # of

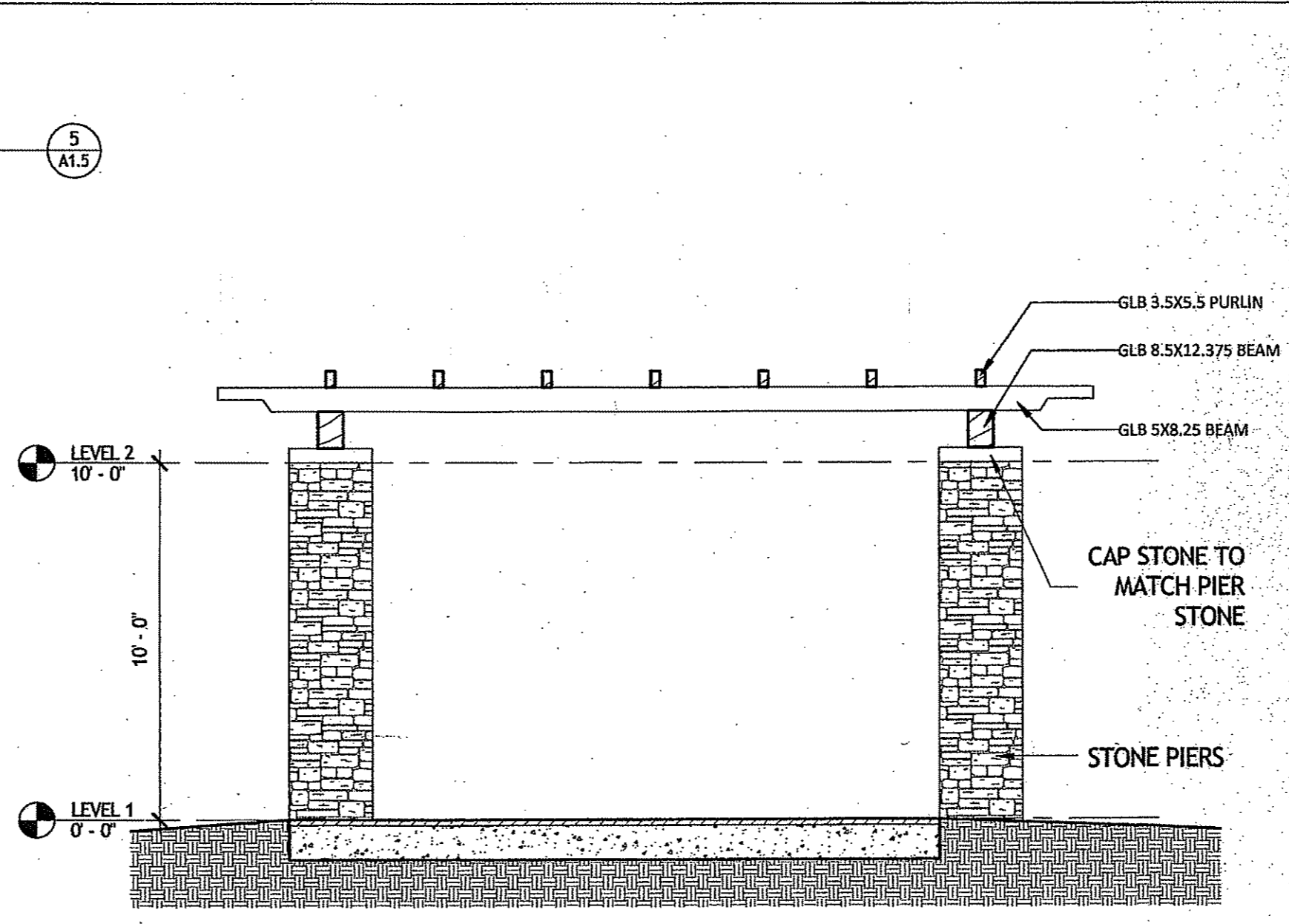
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SHT. # 41 of 79

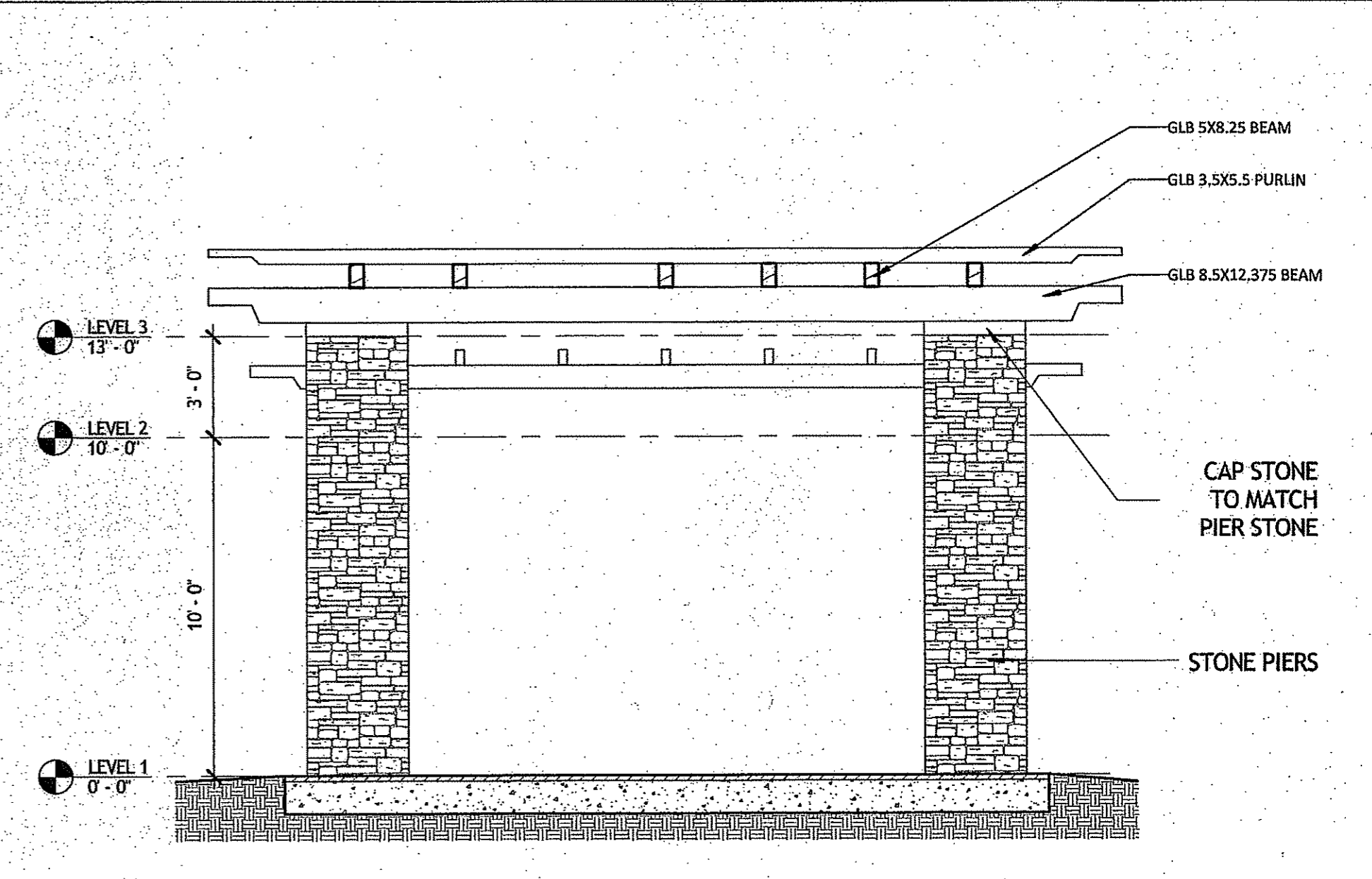
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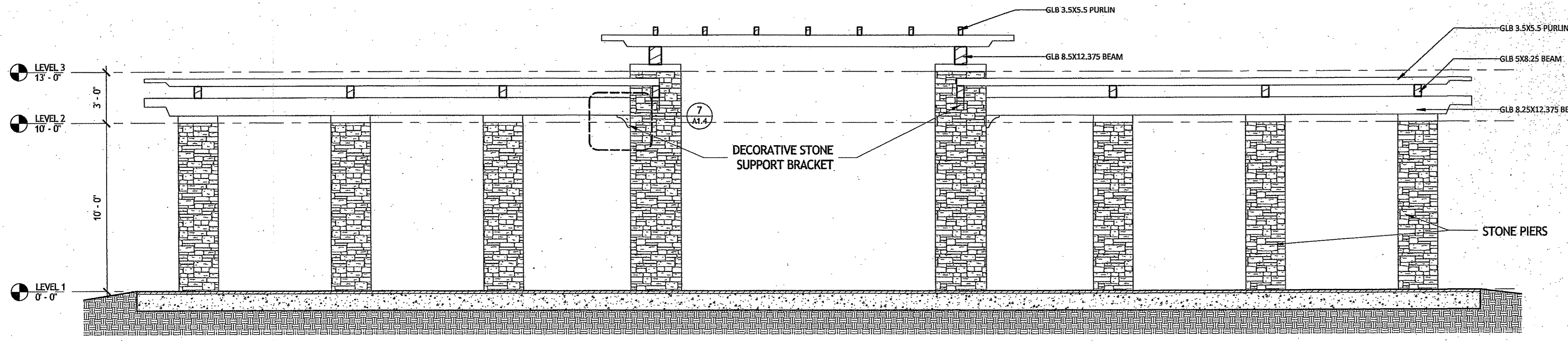
1 PAVILION SECTION 1
A1.0 A1.4 1/4" = 1'-0"



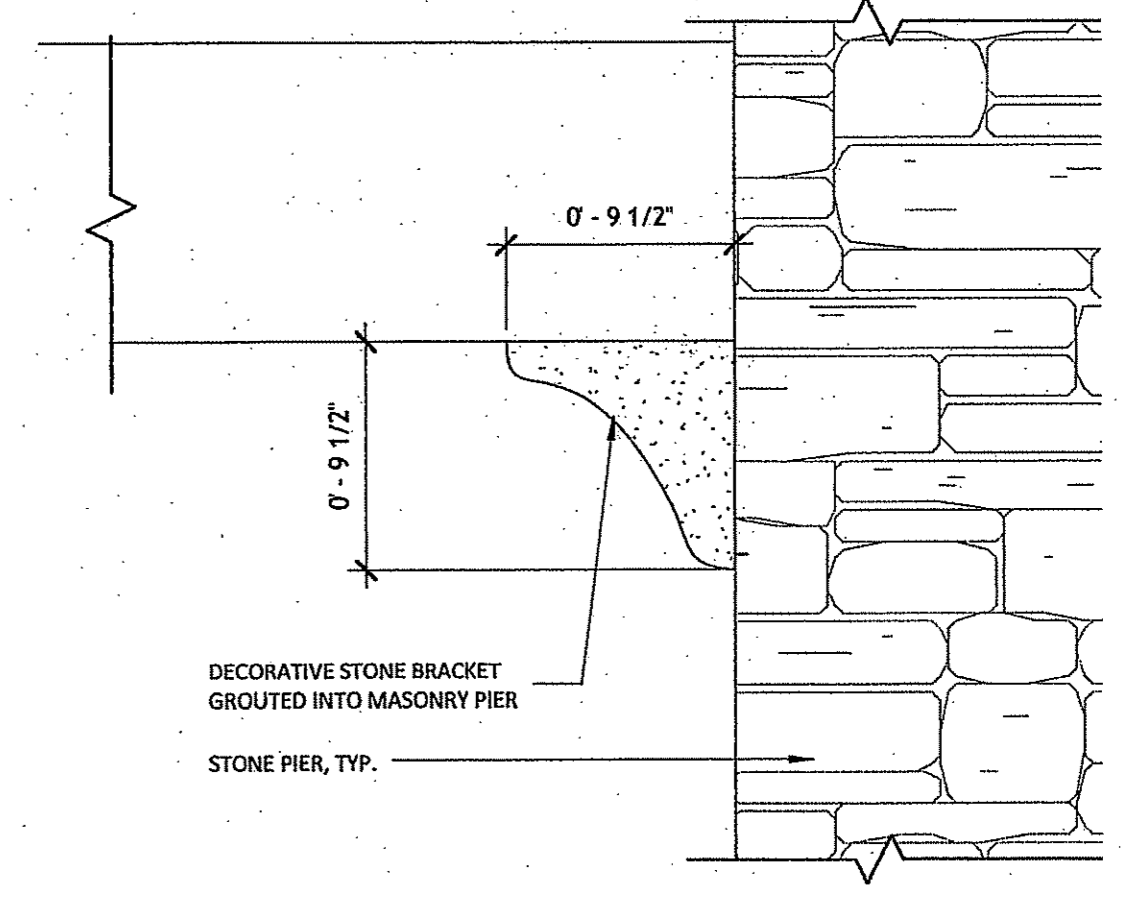
2 TRELLIS A SECTION 1
A1.0 A1.4 1/4" = 1'-0"



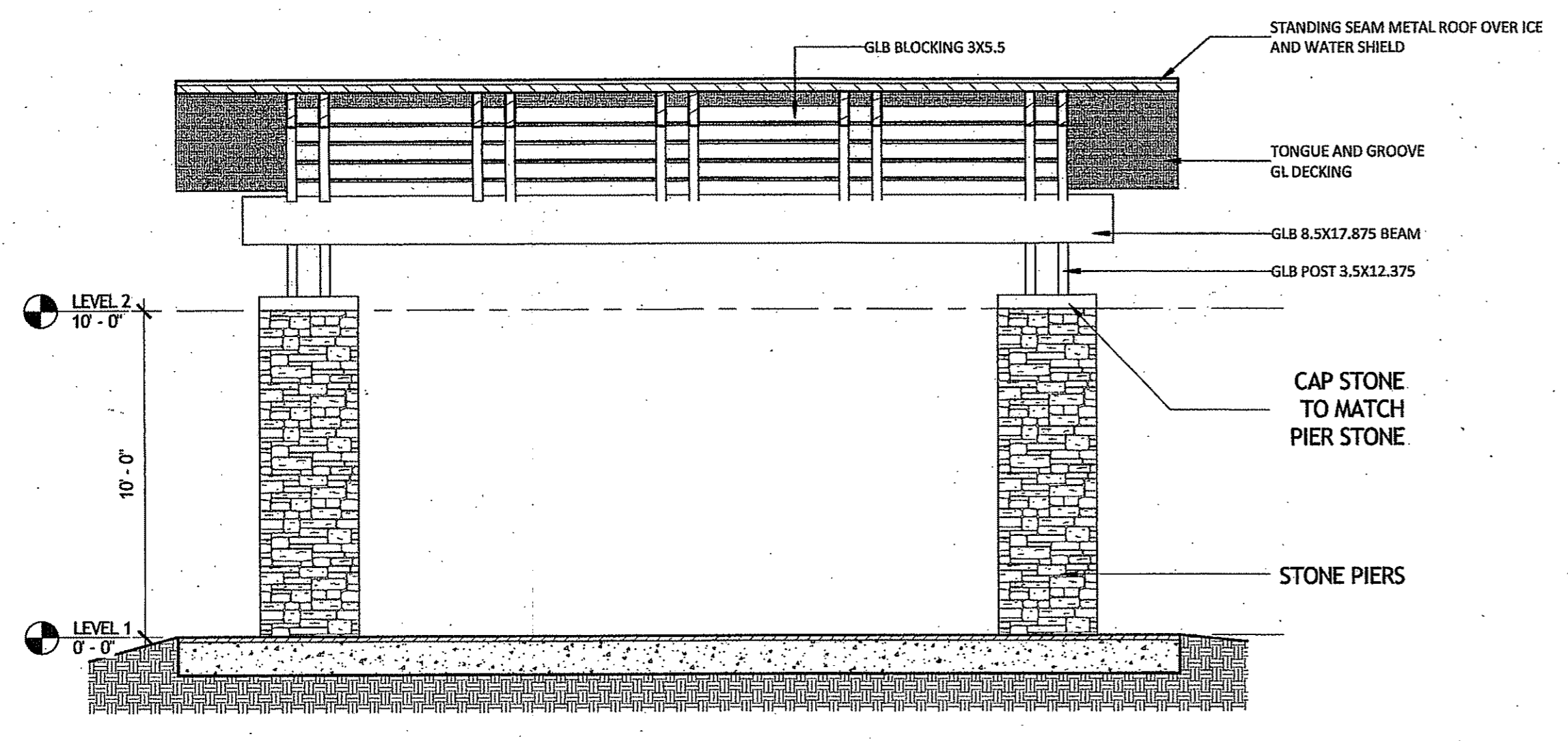
3 TRELLIS B SECTION 1
A1.0 A1.4 1/4" = 1'-0"



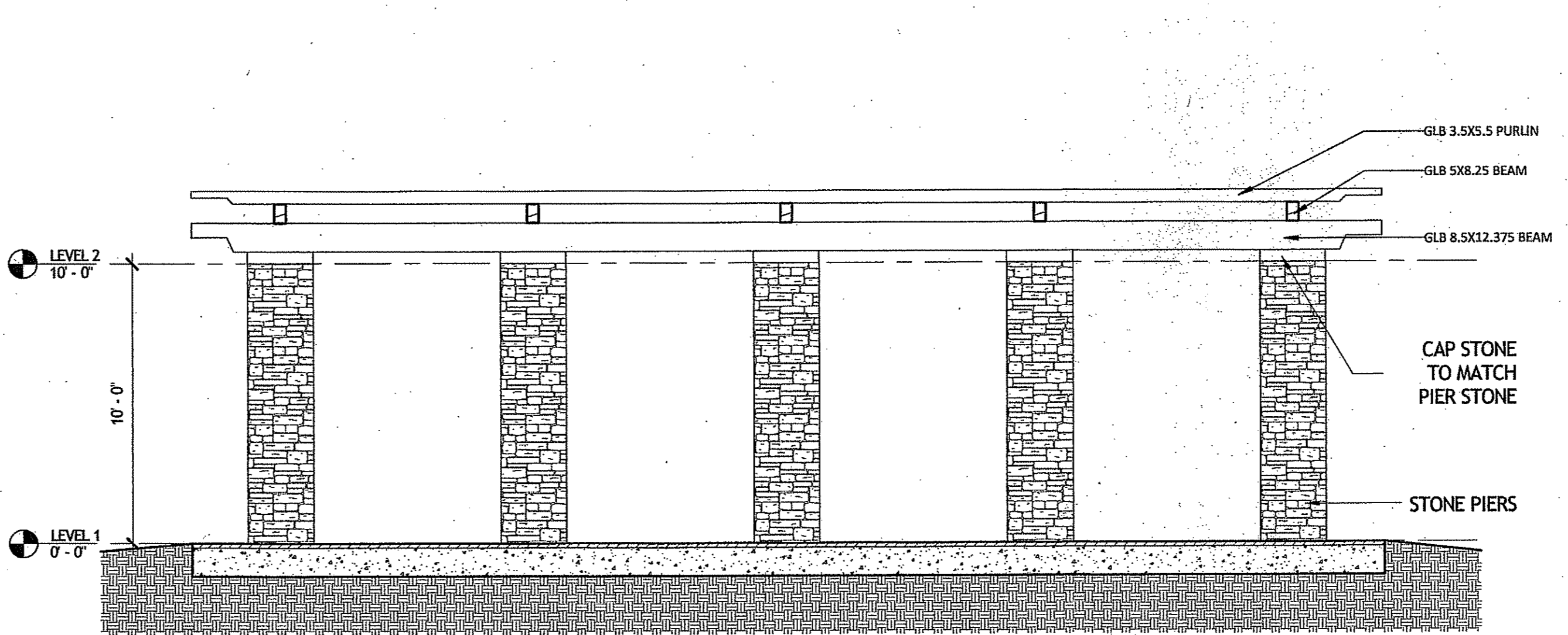
4 TRELLIS B SECTION 2
A1.0 A1.4 1/4" = 1'-0"



7 DECORATIVE STONE BRACKET DETAIL
A1.4 A1.4 1 1/2" = 1'-0"



5 PAVILION SECTION B
A1.0 A1.4 1/4" = 1'-0"



6 TRELLIS A SECTION 2
A1.0 A1.4 1/4" = 1'-0"

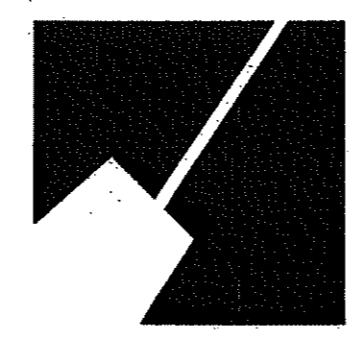
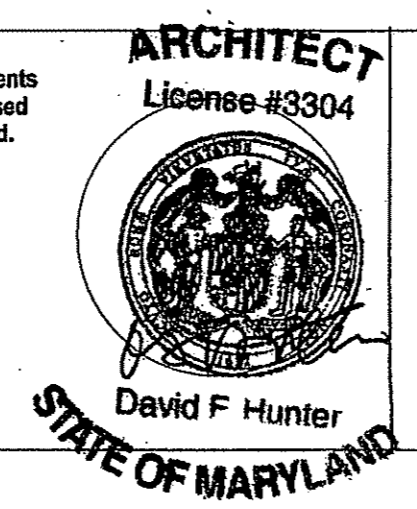
GENERAL NOTES

Stone Pattern and cap stone to be as indicated on 3/14.3. See specifications for stone sizes and mixes. Provide Mock-up Panel for approval by MNCPC Construction Manager. All stone work shall to match approved mock-up panel.

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Montgomery County Department of Parks
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Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL	
Project Manager Date 8/1/13 <i>Wanda Koma</i>	
Construction Manager Date 9/3/13 <i>[Signature]</i>	
Park Manager Date	

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REVISIONS		
Rev. No.	Date	Description

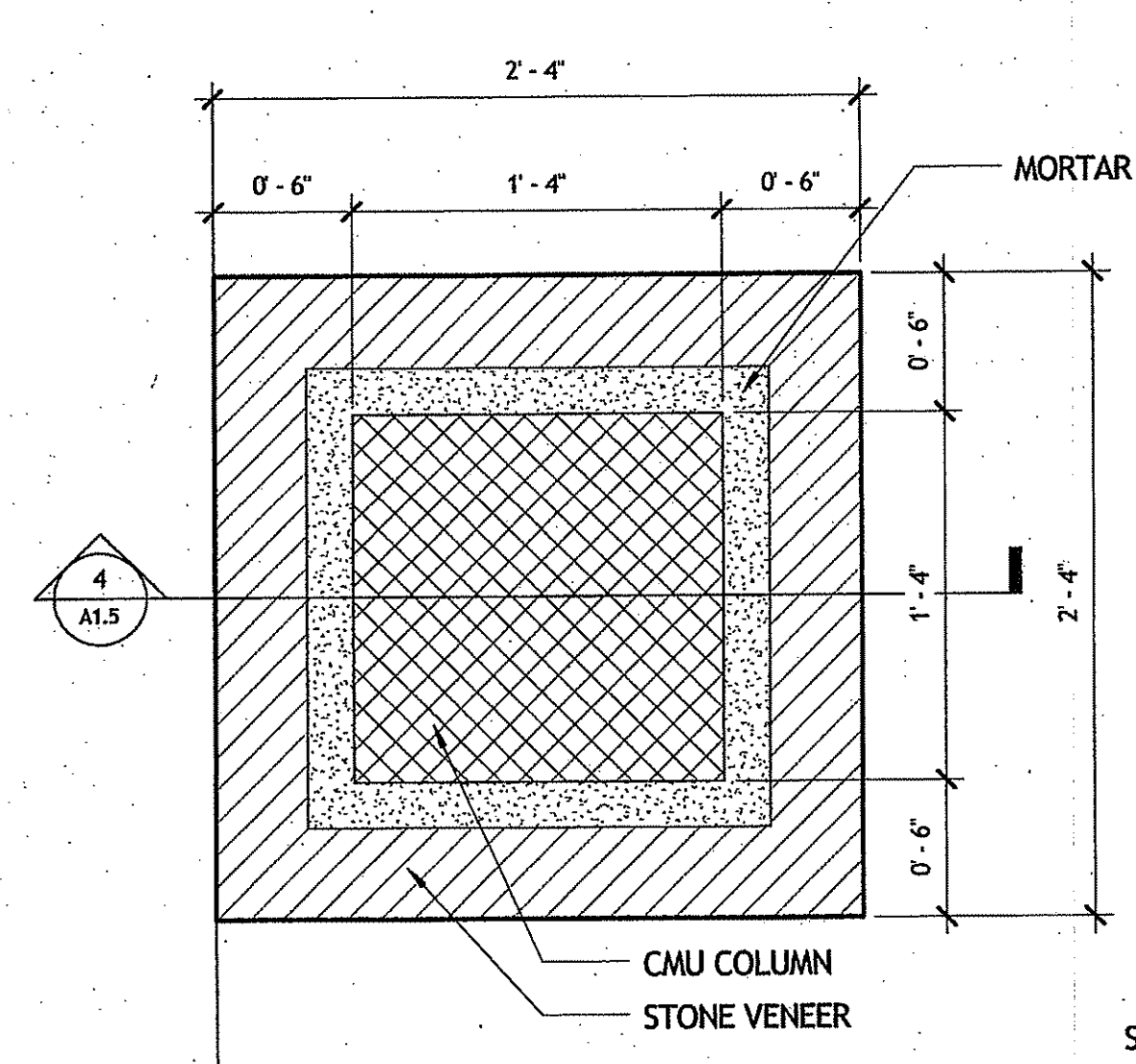
GREENBRIAR LOCAL PARK

PAVILION AND TRELLIS SECTIONS

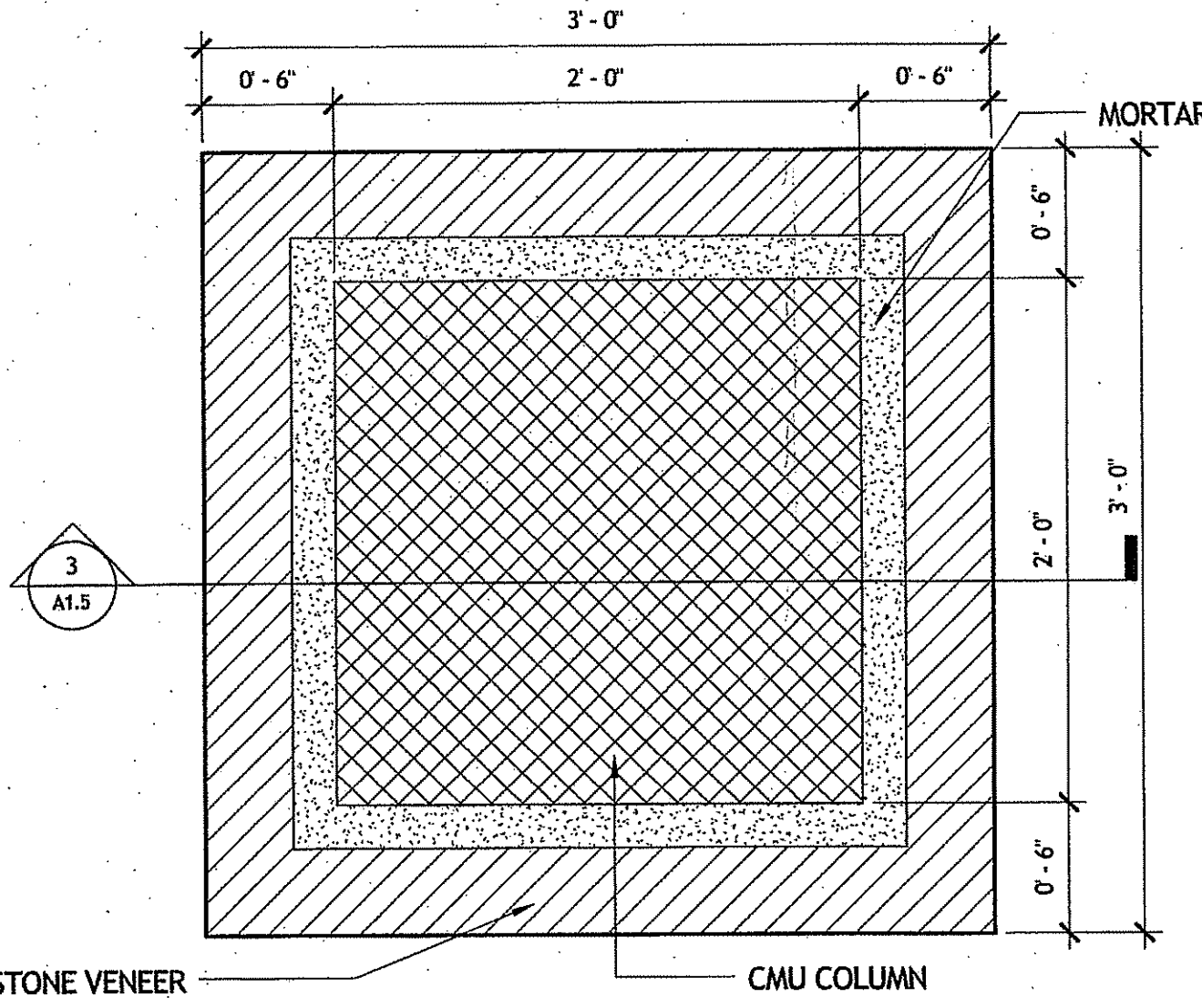
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DWG. # of
A1.4
SHT. # 42 of 79

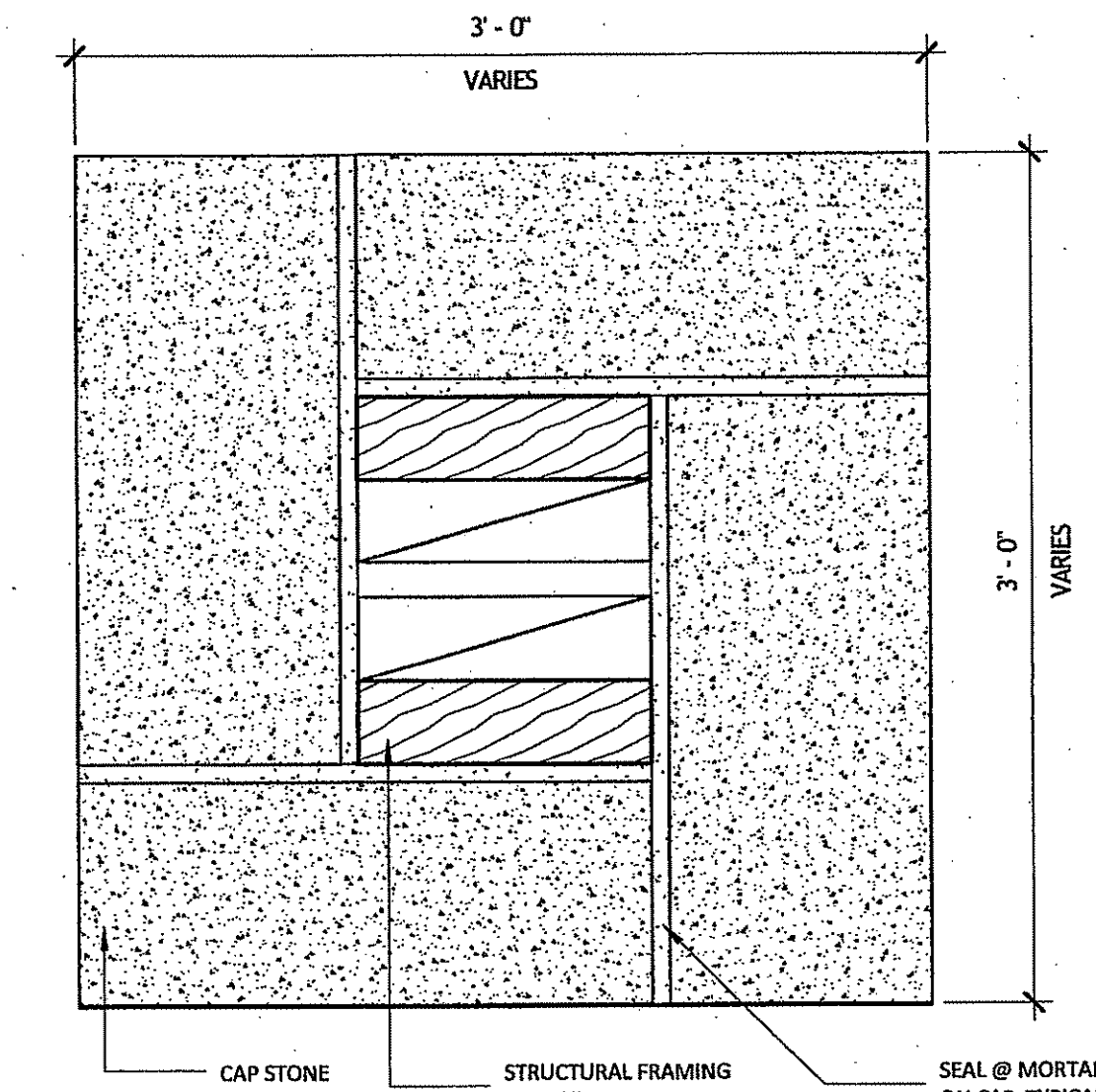
FINAL SCANNED: PLAN SCANNED: PARK CODE: 010



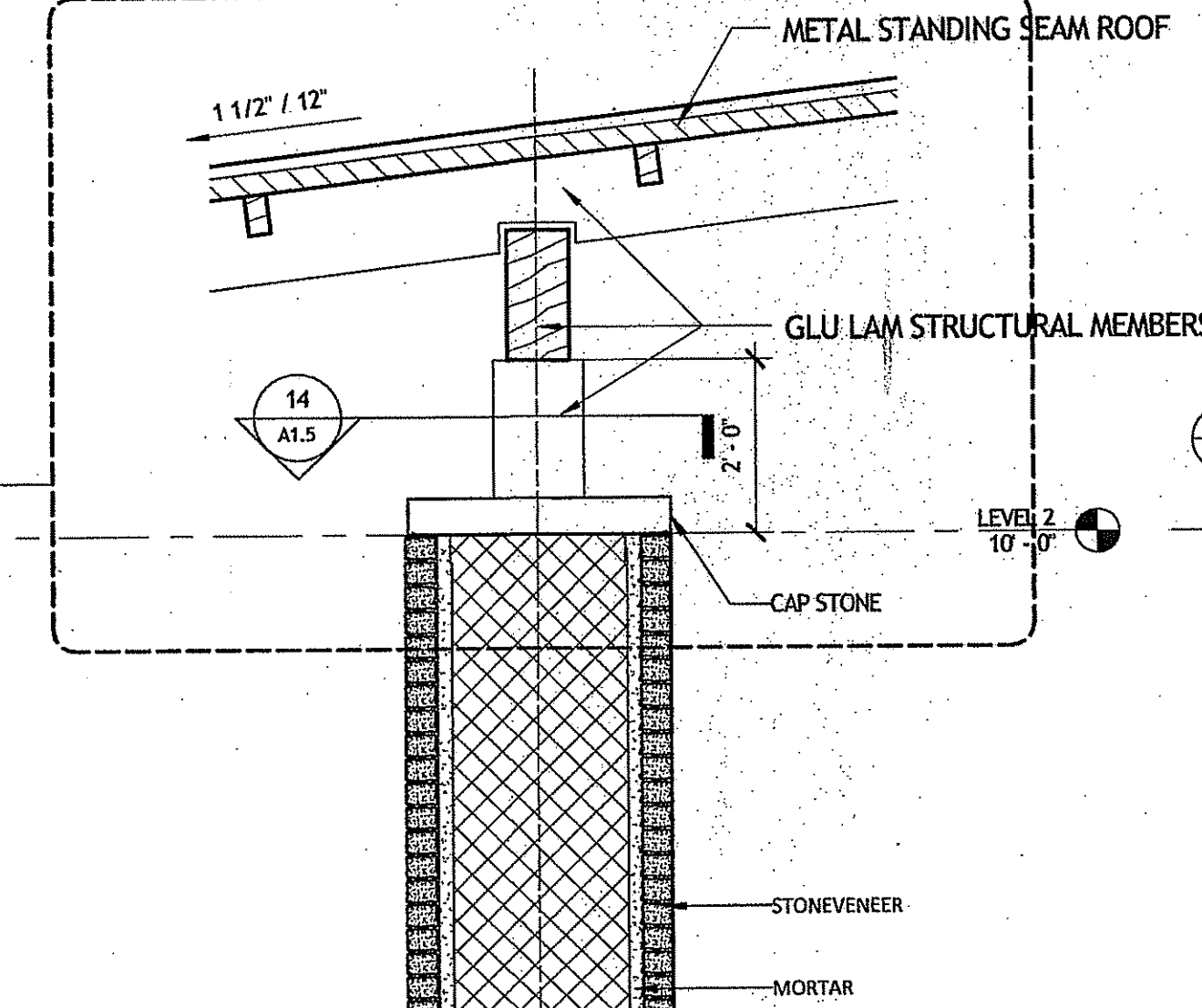
1 MASONRY PIER PLAN (TRELLIS)
A1.0 A1.5 1 1/2' = 1'-0"



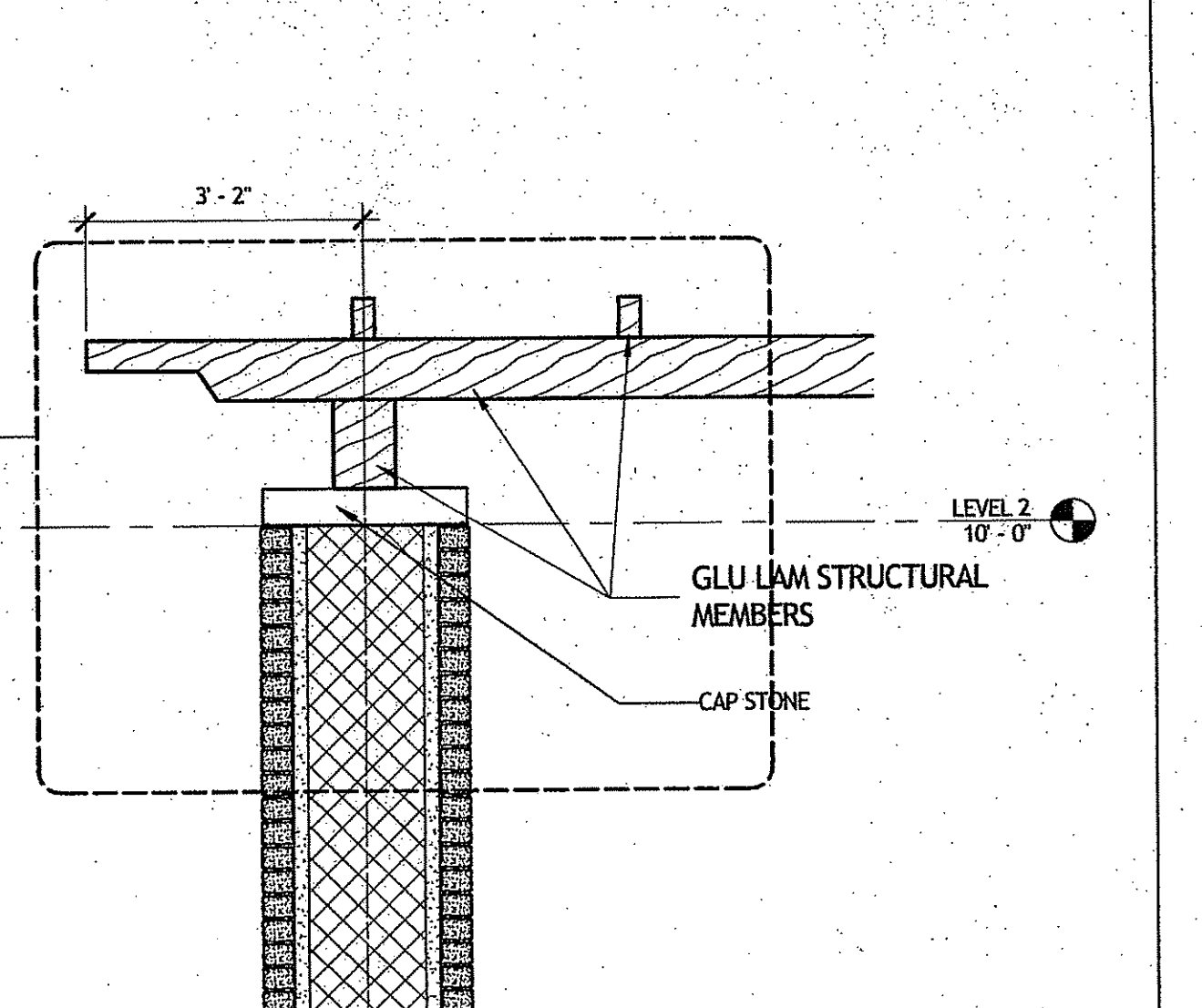
2 MASONRY PIER PLAN (PAVILION)
A1.0 A1.5 1 1/2' = 1'-0"



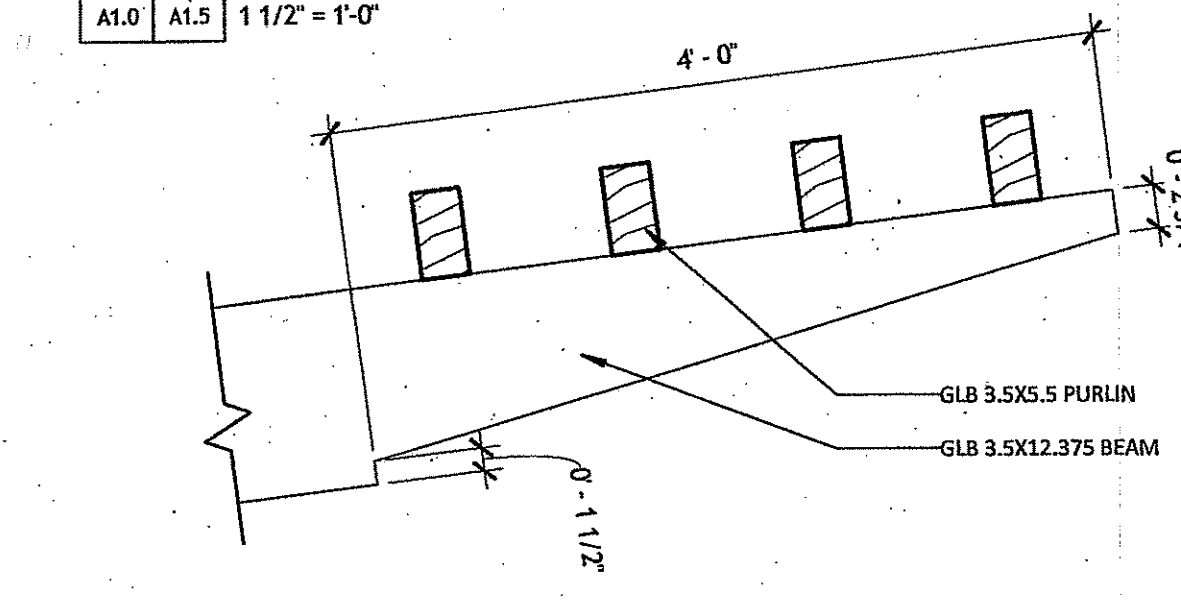
14 STONE CAP PLAN DETAIL - TYPICAL
A1.5 A1.5 1 1/2' = 1'-0"



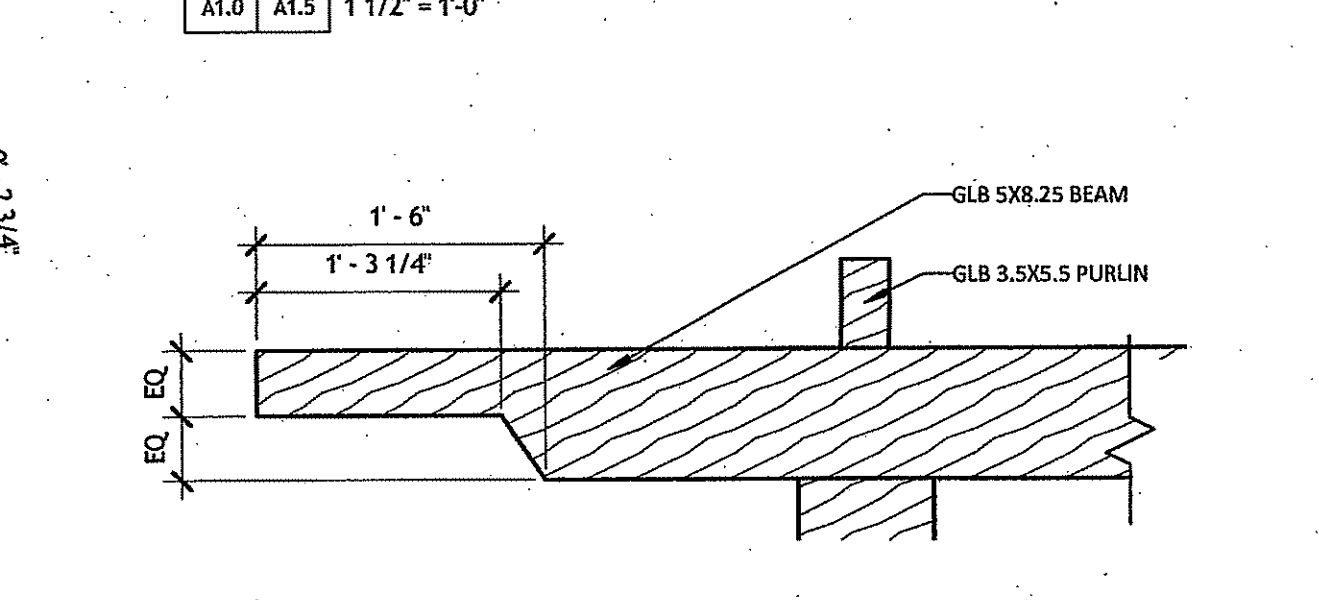
3 MASONRY PIER SECTION (PAVILION)
A1.5 A1.5 1/2' = 1'-0"



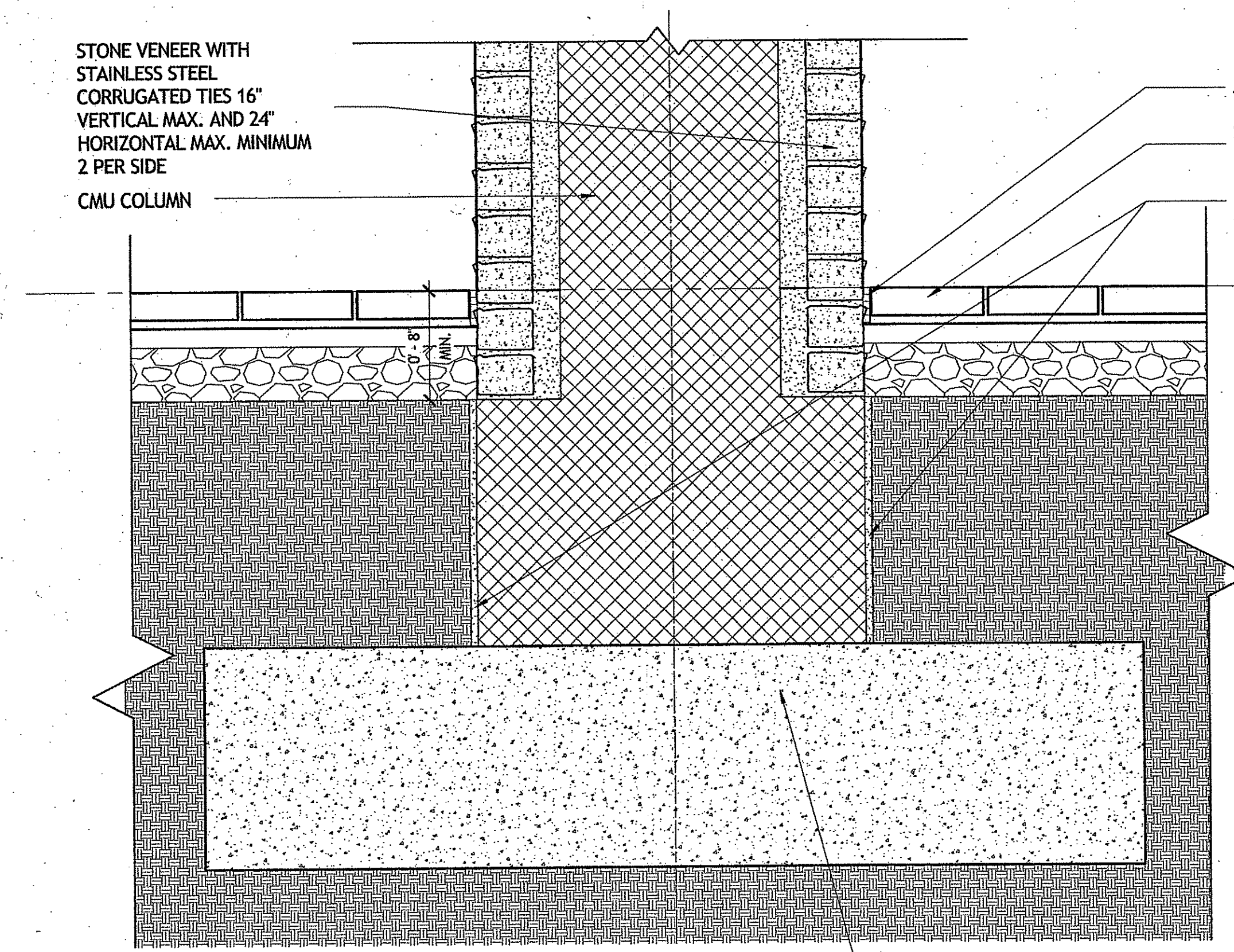
4 MASONRY PIER SECTION (TRELLIS)
A1.5 A1.5 1/2' = 1'-0"



11 GLB BEAM EDGE DETAIL @ PAVILION
A1.5 A1.5 1' = 1'-0"

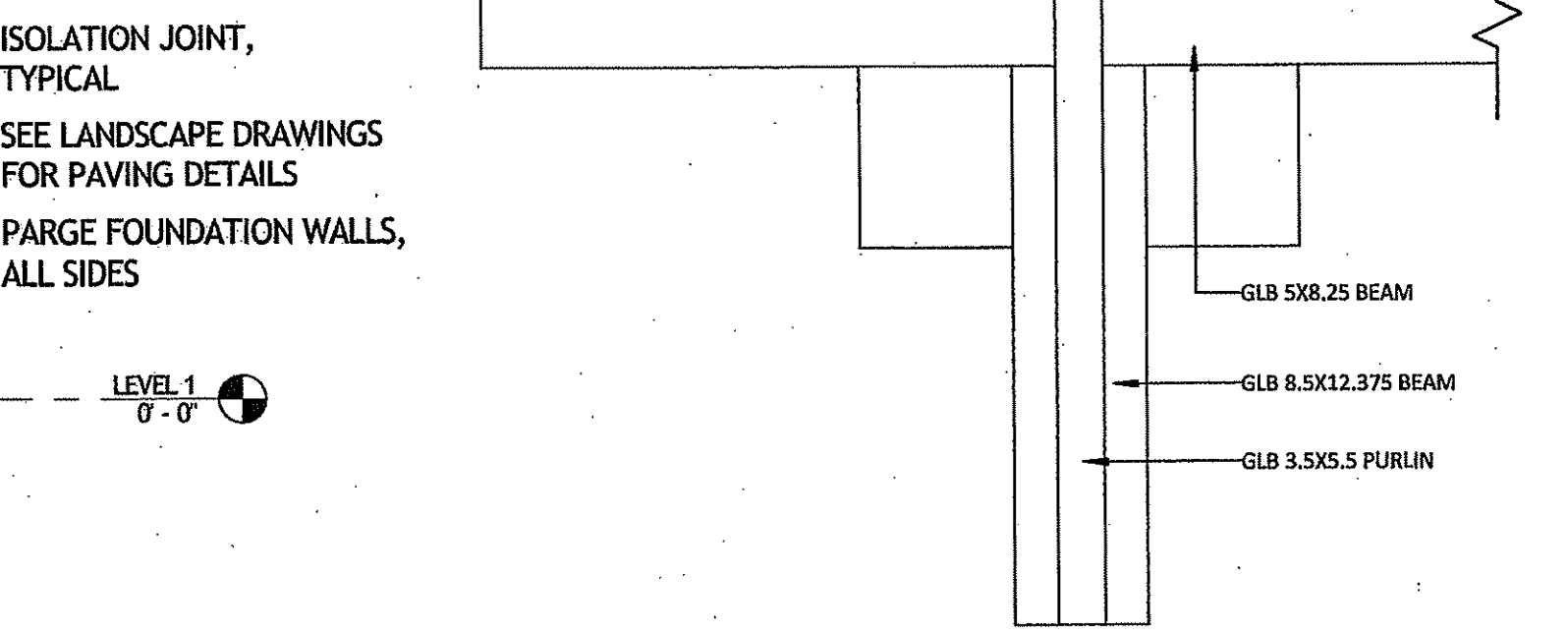


7 GLB BEAM EDGE DETAIL @ TRELLIS
A1.5 A1.5 1' = 1'-0"

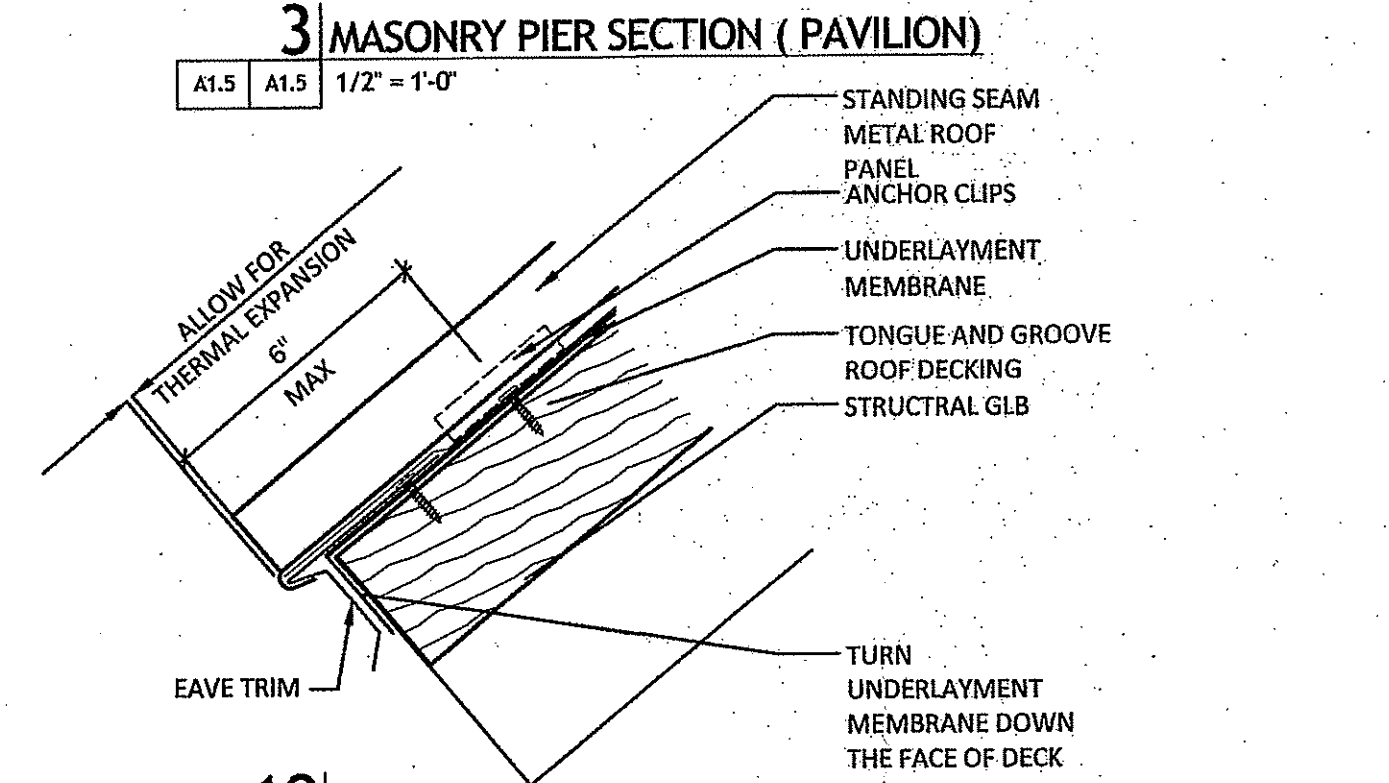


6 TYPICAL PIER FOOTING DETAIL
A1.5 A1.5 1 1/2' = 1'-0"

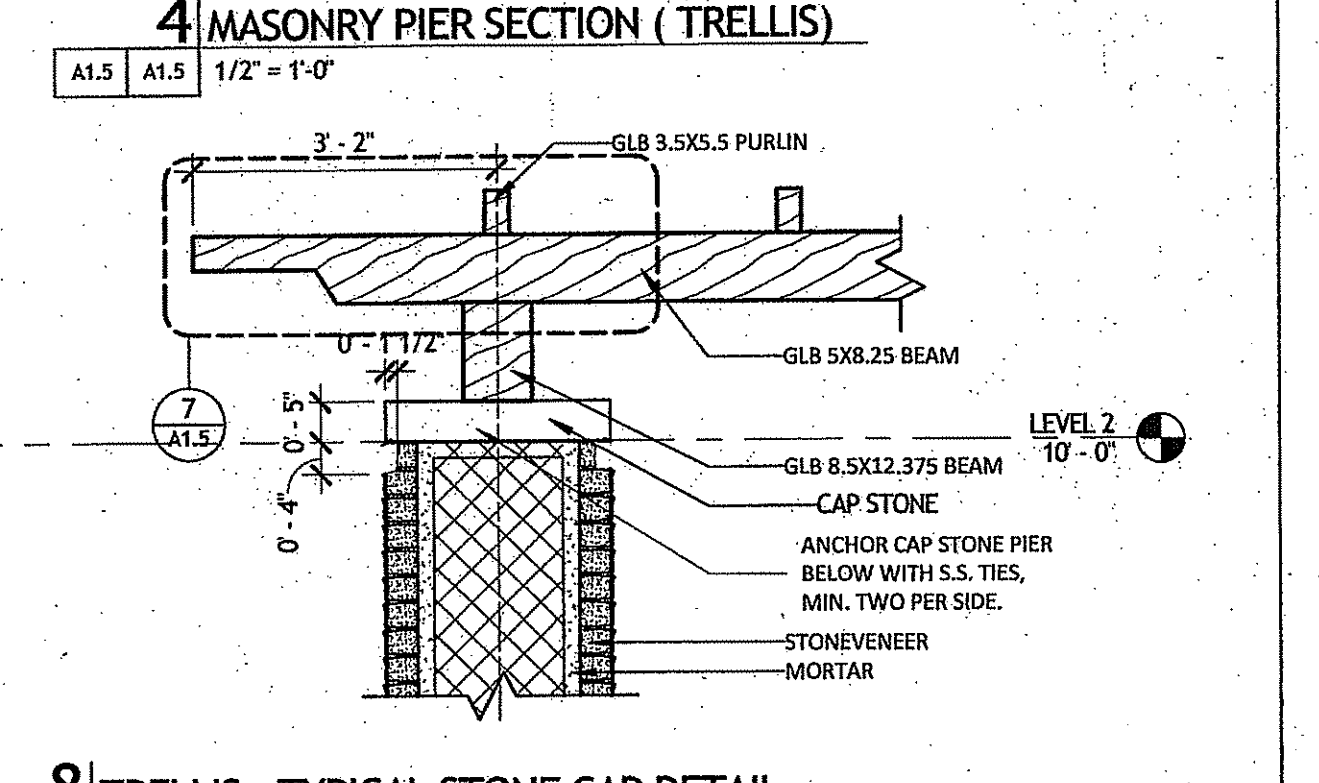
CONCRETE FOUNDATION, SEE STRUCTURAL DRAWING 4/S1.2 FOR DETAILS



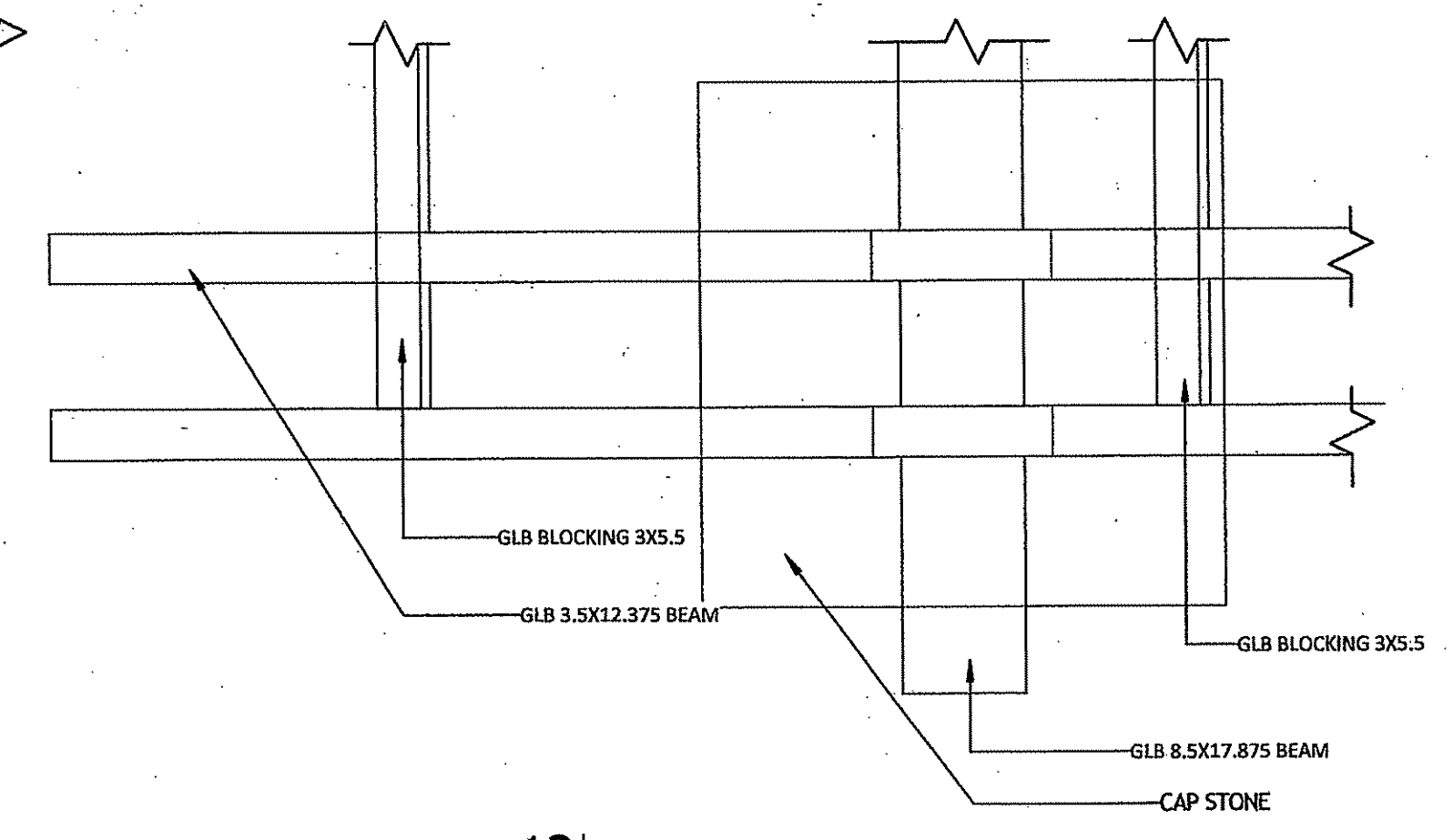
12 TRELLIS FRAMING - PLAN DETAIL
A1.1 A1.5 1' = 1'-0"



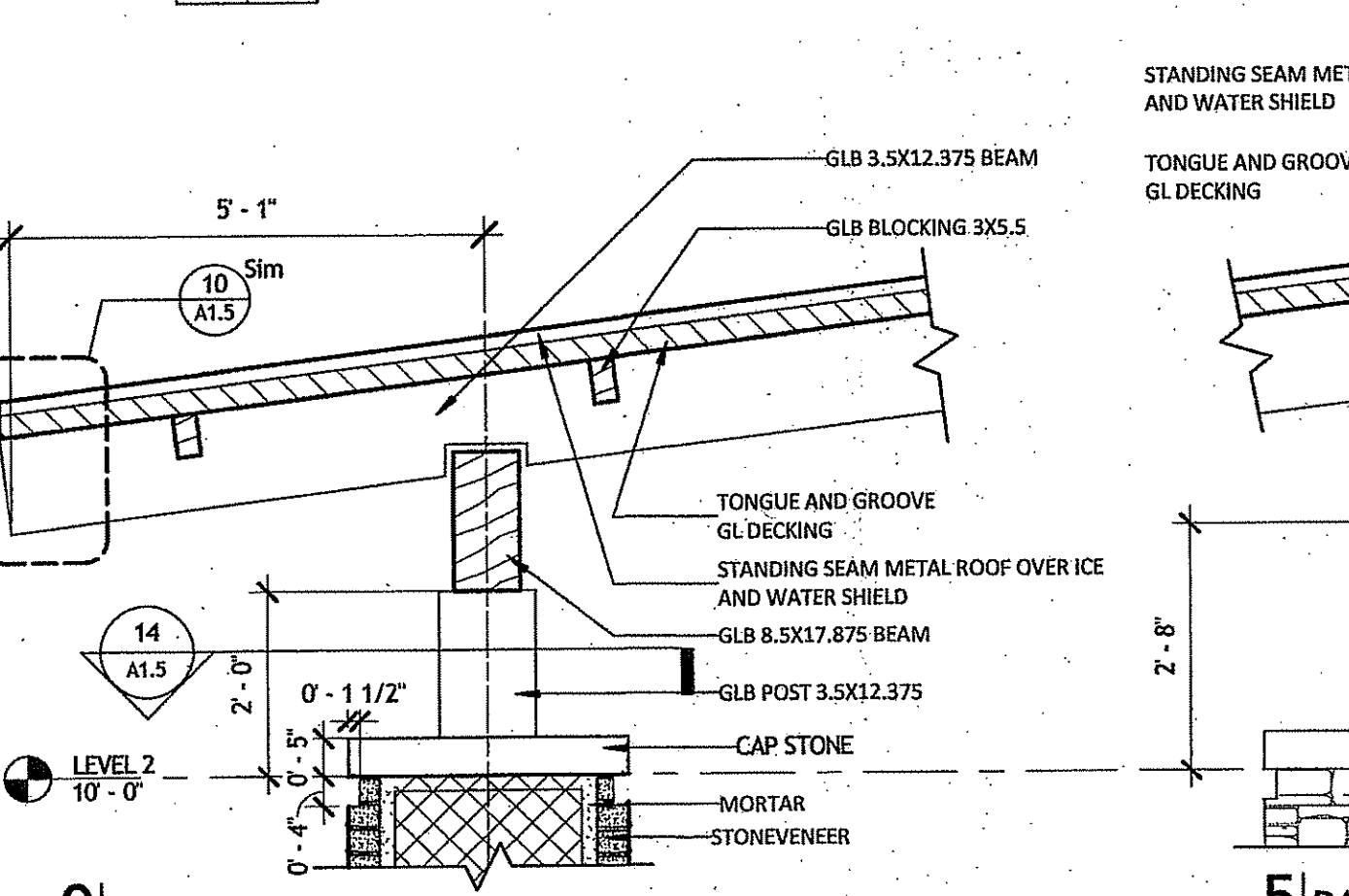
10 METAL ROOF - TYPICAL EDGE DETAIL
A1.5 A1.5 3' = 1'-0"



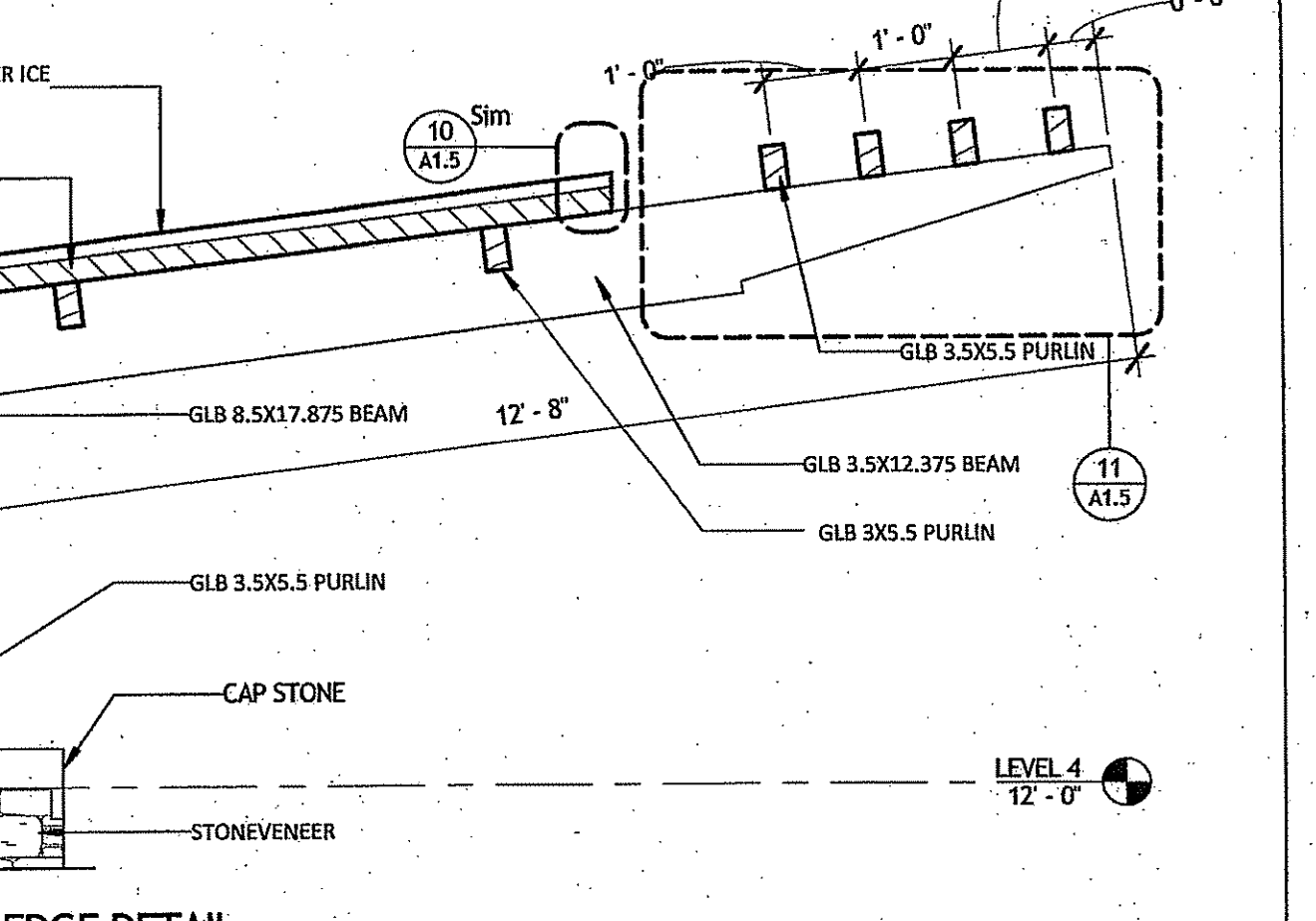
8 TRELLIS - TYPICAL STONE CAP DETAIL
A1.5 A1.5 1/2' = 1'-0"



13 PAVILION FRAMING - PLAN DETAIL
A1.1 A1.5 1' = 1'-0"



9 PAVILION DETAIL
A1.5 A1.5 1/2' = 1'-0"



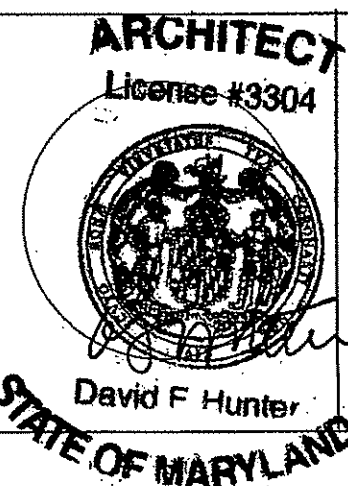
5 PAVILION EDGE DETAIL
A1.4 A1.5 1/2' = 1'-0"

GENERAL NOTES

Stone Pattern and cap stone to be as indicated on 3/L4.3. See specifications for stone sizes and mixes. Provide Mock-up Panel for approval by MNCPC Construction Manager. All stone work shall to match approved mock-up panel.

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REVIEW AND APPROVAL		
Project Manager	Date	
Construction Manager	Date	
Park Manager	Date	

ISSUED FOR PROCUREMENT ON		
REVISIONS		
Rev. No.	Date	Description

GREENBRIAR LOCAL PARK
PAVILION AND TRELLIS DETAILS
SCALE: AS SHOWN Liber Folio

DWG. # of
A1.5
SHT. # 43 of 79

DESIGN CRITERIA

- DESIGN GRAVITY LIVE LOADS:
 - AREA LIVE LOAD: 30 PSF
 - ROOF: 30 PSF
- SNOW LOADING IBC 2012
 - GROUND SNOW LOAD: 30 PSF
 - FLAT ROOF SNOW LOAD: 21 PSF + SNOW DRIFT
 - SNOW EXPOSURE FACTOR: 1.0
 - SNOW IMPORTANCE FACTOR: 1.0
 - THERMAL FACTOR: 1.0
- WIND LOADING IBC 2012
 - ULTIMATE WIND SPEED (3 SECOND GUST): 115 MPH
 - NOMINAL WIND SPEED: 89.1 MPH
 - WIND LOAD IMPORTANCE FACTOR: 1.0
 - WIND EXPOSURE CATEGORY: B
 - INTERNAL PRESSURE COEFFICIENT: 0.18
- SEISMIC LOADING IBC 2012
 - SEISMIC USE GROUP: II
 - S: 0.156 G
 - S1: 0.051 G
 - SDS: 0.166 G
 - SD1: 0.081 G
 - SITE CLASS: D
 - SEISMIC IMPORTANCE FACTOR: 1.0
 - SEISMIC DESIGN CATEGORY: B
 - BASIC SEISMIC FORCE RESISTING SYSTEM: ORDINARY REINFORCED MASONRY SHEAR PIERS
 - ANALYSIS PROCEDURE EQUIVALENT: LATERAL FORCE PROCEDURE

SUBMITTALS

- BEFORE SUBMISSION OF SHOP DRAWINGS, THE CONTRACTOR SHALL HAVE DETERMINED AND VERIFIED ALL QUANTITIES, DIMENSIONS, SPECIFIED PERFORMANCE CRITERIA, INSTALLATION REQUIREMENTS, MATERIALS, CATALOG NUMBERS AND SIMILAR DATA AND SHALL HAVE COORDINATED EACH SHOP DRAWING WITH OTHER SHOP DRAWINGS AND THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- PRIOR TO SUBMISSIONS, THE CONTRACTOR SHALL STAMP OR PROVIDE A SIMILAR WRITTEN INDICATION THAT THE CONTRACTOR HAS REVIEWED THE SUBMISSION AND IS SATISFIED THE CONTRACTS ARE IN COMPLIANCE WITH THE CONTRACT DOCUMENTS. REPRINTS OF THE CONTRACT DOCUMENTS WILL NOT BE ACCEPTED.
- NO DIMENSIONAL INFORMATION MAY BE OBTAINED BY DIRECT SCALING OF THE DRAWINGS.
- ADEQUATE SETS SHALL BE SUBMITTED SO THAT THE ARCHITECT /ENGINEER CAN MAINTAIN ONE RECORD SET AT ALL TIMES.

FOUNDATIONS

- ALL SPREAD FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR CONTROLLED STRUCTURAL FILL, HAVING A MINIMUM SAFE BEARING CAPACITY OF 3,000 PSF. ALL SPREAD FOOTINGS SHALL PROJECT AT LEAST 1'-0" INTO SOIL HAVING SUCH MINIMUM BEARING VALUE.
- RETAIN THE SERVICES OF A REGISTERED GEOTECHNICAL ENGINEER, APPROVED BY CONSTRUCTION MANAGER, TO VERIFY SOIL BEARING CAPACITY AT EACH FOOTING PRIOR TO INSTALLATION. NOTIFY CONSTRUCTION MANAGER OF ANY VARIATION FROM ANTICIPATED BEARING CAPACITY FOR APPROPRIATE REDESIGN OR LOWERING OF FOOTINGS.
- EXCAVATION, PREPARATION OF SUBGRADE, AND FOOTING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT BY ECS MID-ATLANTIC, LLC AND DATED OCTOBER 12, 2012.
- COMPACT FILL AND BACKFILL TO 95% OF A.S.H.T.O. T-180. ALL FILL AND BACKFILL OPERATIONS SHALL BE PERFORMED UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER.
- ALL ORGANIC MATERIALS AND CONSTRUCTION DEBRIS SHALL BE REMOVED IN REGIONS OF ALL FOUNDATIONS.
- THE BOTTOMS OF ALL EXTERIOR FOOTINGS SHALL BE 2'-6" MINIMUM BELOW FINISHED GRADE.
- EDGES OF FOOTINGS SHALL NOT BE PLACED AT A GREATER THAN 1 (VERTICAL) TO 2 (HORIZONTAL) SLOPE WITH RESPECT TO ANY ADJACENT FOOTING OR EXCAVATION.
- THE CONTRACTOR SHALL SAFEGUARD AND PROTECT ALL EXCAVATIONS, AND ALL EXCAVATIONS SHALL BE KEPT FREE OF WATER.
- NO HORIZONTAL JOINTS SHALL BE PLACED IN WALLS EXCEPT AS SHOWN ON THE DRAWINGS WITHOUT APPROVAL OF THE CONSTRUCTION MANAGER.
- THE CONTRACTOR SHALL REFER TO THE ARCHITECTURAL, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL LOCATIONS OF TRENCHES, PITS, CONDUITS, ETC. NOT SHOWN ON THE STRUCTURAL DRAWINGS.
- BACKFILLING AGAINST WALLS SHALL NOT BE DONE UNTIL CONCRETE AND/OR MASONRY GROUT HAS BEEN CURED TO ATTAIN SUFFICIENT STRENGTH (7 DAYS MINIMUM) AND WALLS ARE PROPERLY SHORED AND/OR BRACED. BACKFILL FOUNDATION WALLS WITH EARTH ON BOTH SIDES OF THE WALL BY ALTERNATELY PLACING BACKFILL ON EACH SIDE SO THAT HEIGHT OF BACKFILL DOES NOT DIFFER BY MORE THAN 1'-6" FROM OTHER SIDE.
- ALL ADJACENT COLUMN FOOTINGS THAT ABUT SHALL BE SEPARATED BY A PAPER JOINT.

FOUNDATION CONCRETE

- ALL CONCRETE SHALL CONFORM TO THE PROVISIONS OF ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-LATEST EDITION) AND ACI SPECIFICATIONS FOR STRUCTURAL CONCRETE IN BUILDINGS (ACI 301-LATEST EDITION).
- ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE HAVING A DESIGN COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS:
 - A. FOOTINGS AND PIERS: 4,000 PSI
 - B. SLAB ON GRADE: 4,000 PSI
- NO CONCRETE SHALL BE PLACED UNTIL CONCRETE DESIGN MIXES HAVE BEEN SUBMITTED FOR EACH CLASS OF CONCRETE NOTED ABOVE AND HAVE BEEN REVIEWED BY THE CONSTRUCTION MANAGER.
- USE A WATER REDUCING ADMIXTURE IN ALL CONCRETE.
- PROVIDE MIX DESIGNS WITH A WATER-CEMENT RATIO FROM 0.40 TO 0.50.
- SLUMP SHALL BE AS REQUIRED BY ACI 302 - LATEST EDITION
- AIR ENTRAIN ALL CONCRETE EXPOSED TO WEATHER TO 5%±1% UNO.
- NO CALCIUM CHLORIDE IN ANY FORM WILL BE PERMITTED IN CONCRETE.
- ALL STRUCTURAL MEMBERS SHALL BE POURED FOR THEIR FULL DEPTHS IN ONE OPERATION.
- EXCAVATIONS SHALL BE KEPT FREE OF WATER. NO CONCRETE SHALL BE PLACED IN WATER.
- ALL SLABS ON GRADE SHALL HAVE THICKENINGS, DEPRESSIONS, OPENINGS, ETC. AS SHOWN OR AS REQUIRED BY VARIOUS TRADES.
- REFER TO ARCHITECTURAL DRAWINGS AND/OR SPECIFICATION SECTIONS FOR CONCRETE FINISHES.
- RETAIN THE SERVICES OF AN INDEPENDENT TESTING AGENCY APPROVED BY THE CONSTRUCTION MANAGER TO PERFORM TESTS OF CONCRETE. TAKE A MINIMUM OF 4 CYLINDERS FOR EACH CLASS OF CONCRETE POURED IN ANY ONE DAY. PERFORM 1 SLUMP TEST PER TRUCK LOAD OF CONCRETE.

REINFORCEMENT

- ALL DEVELOPMENT AND SPLICES OF REINFORCEMENT SHALL CONFORM TO THE PROVISIONS OF ACI BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-LATEST EDITION).
- REINFORCING STEEL SHALL BE DEFORMED BARS OF INTERMEDIATE GRADE NEW BILLET STEEL CONFORMING TO CURRENT REQUIREMENTS OF ASTM A615 GRADE 60 EXCEPT TIES MAY BE GRADE 40. ALL HOOKS SHALL BE STANDARD HOOKS, UNLESS OTHERWISE NOTED.
- WELDED WIRE FABRIC (W.W.F.) SHALL CONFORM TO ASTM A185 (LATEST EDITION).
- ALL WELDED WIRE FABRIC SHALL BE SPLICED SO THAT THE OVERLAP OF THE OUTERMOST CROSS WIRES OF EACH ADJOINING SHEET IS NOT LESS THAN THE SPACING OF THE CROSS WIRES PLUS TWO INCHES, UNLESS NOTED OTHERWISE.
- REINFORCING BAR SUPPORTS AND SPACERS SHALL CONFORM TO ACI 315-LATEST EDITION) DETAILING MANUAL.
- SHOP DRAWINGS SHOWING ALL NECESSARY SECTIONS AND DETAILS FOR THE PROPER POSITIONING OF ALL REINFORCING STEEL SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR REVIEW BEFORE FABRICATION OR PLACEMENT OF THE STEEL.

CONCRETE MASONRY

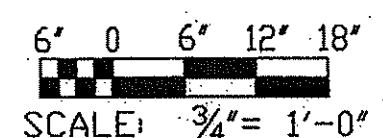
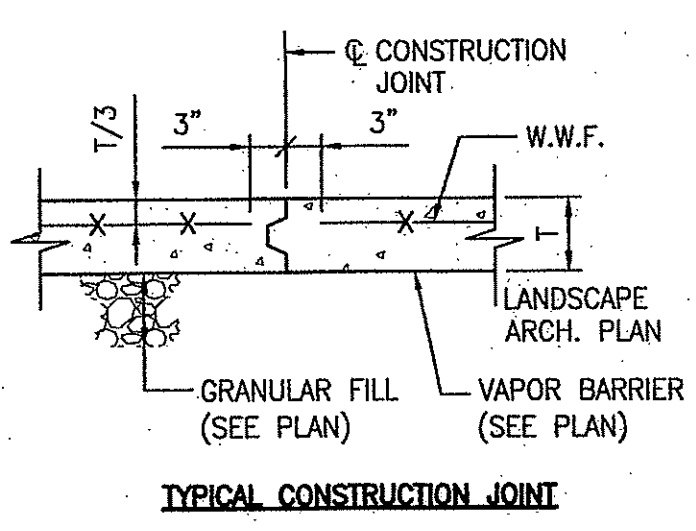
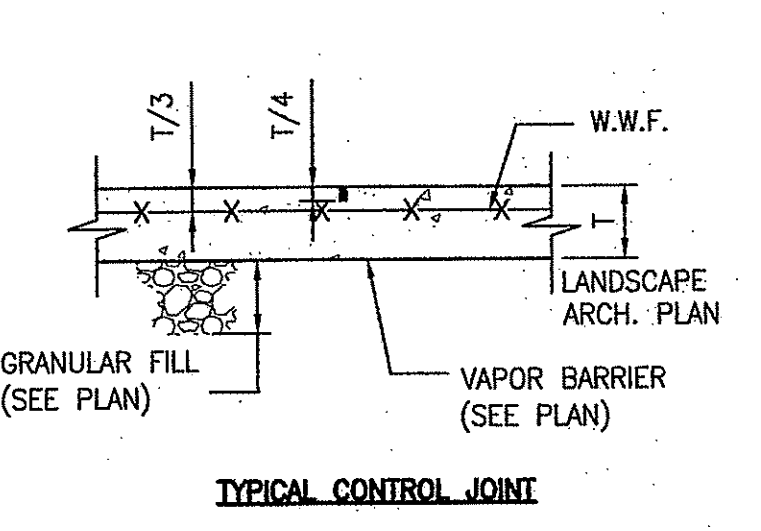
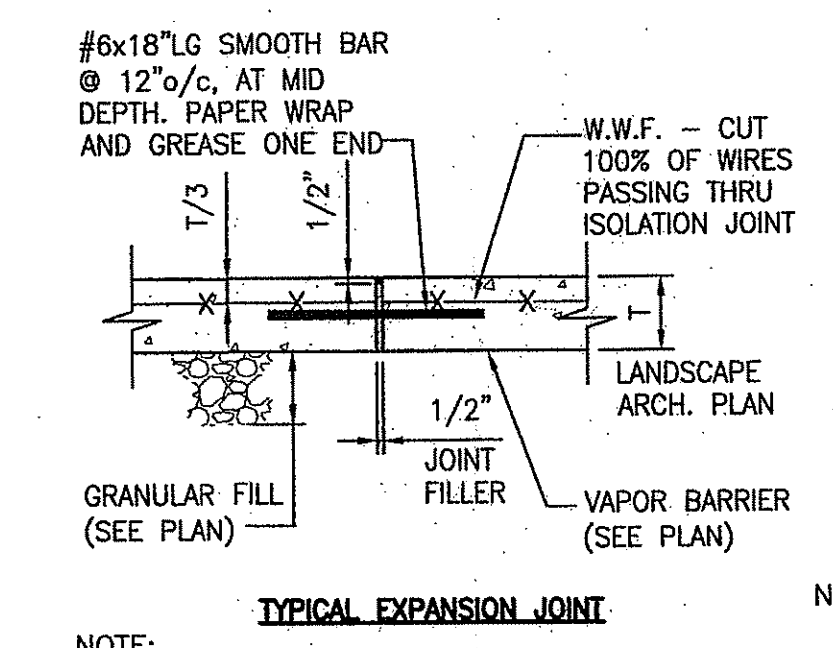
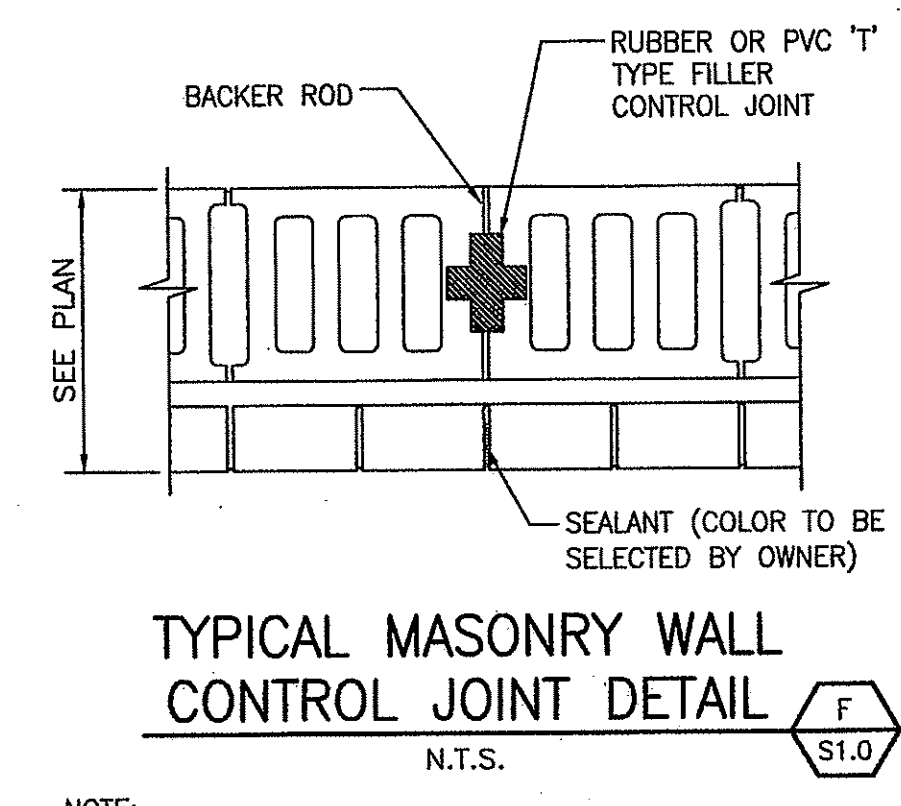
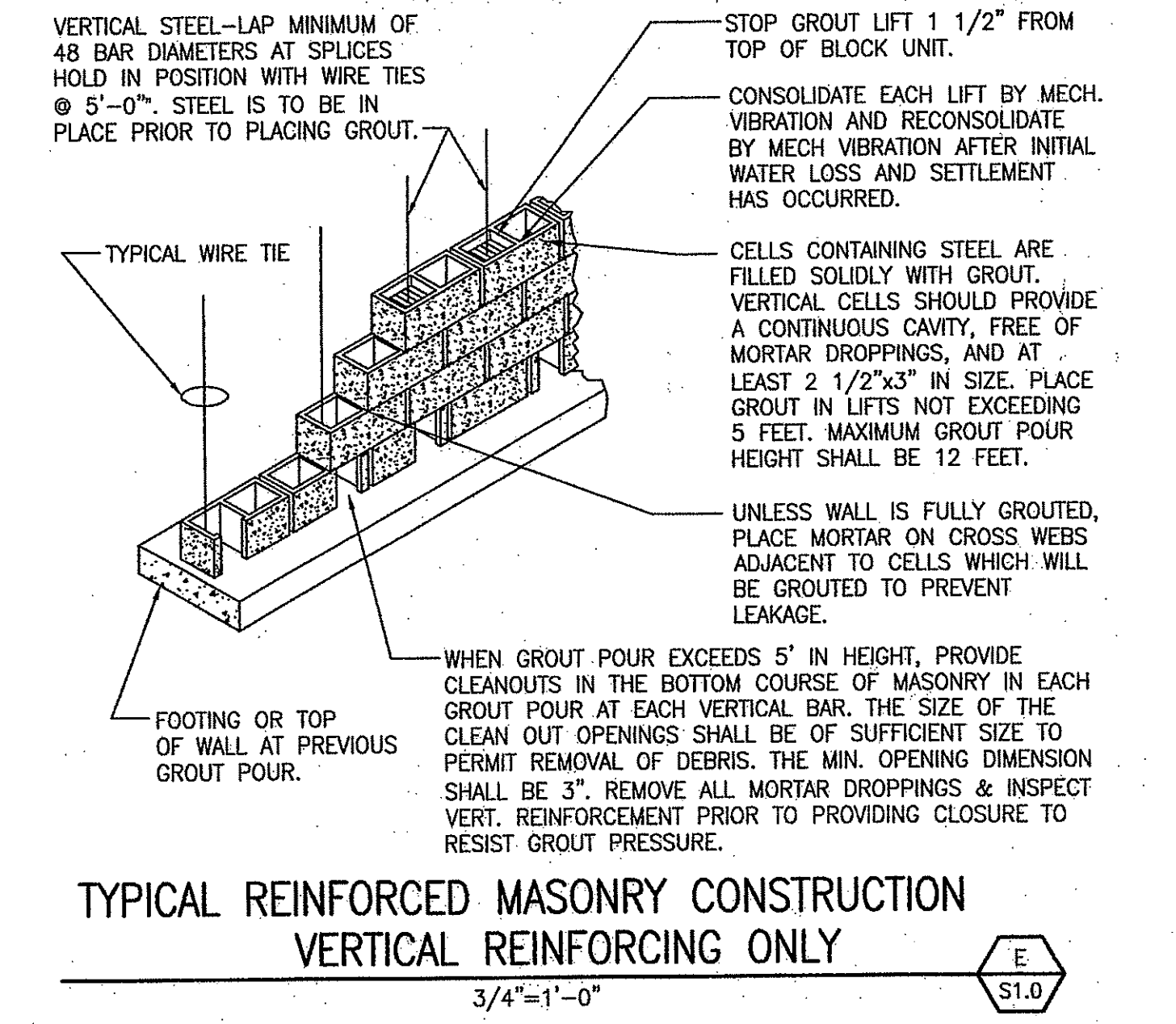
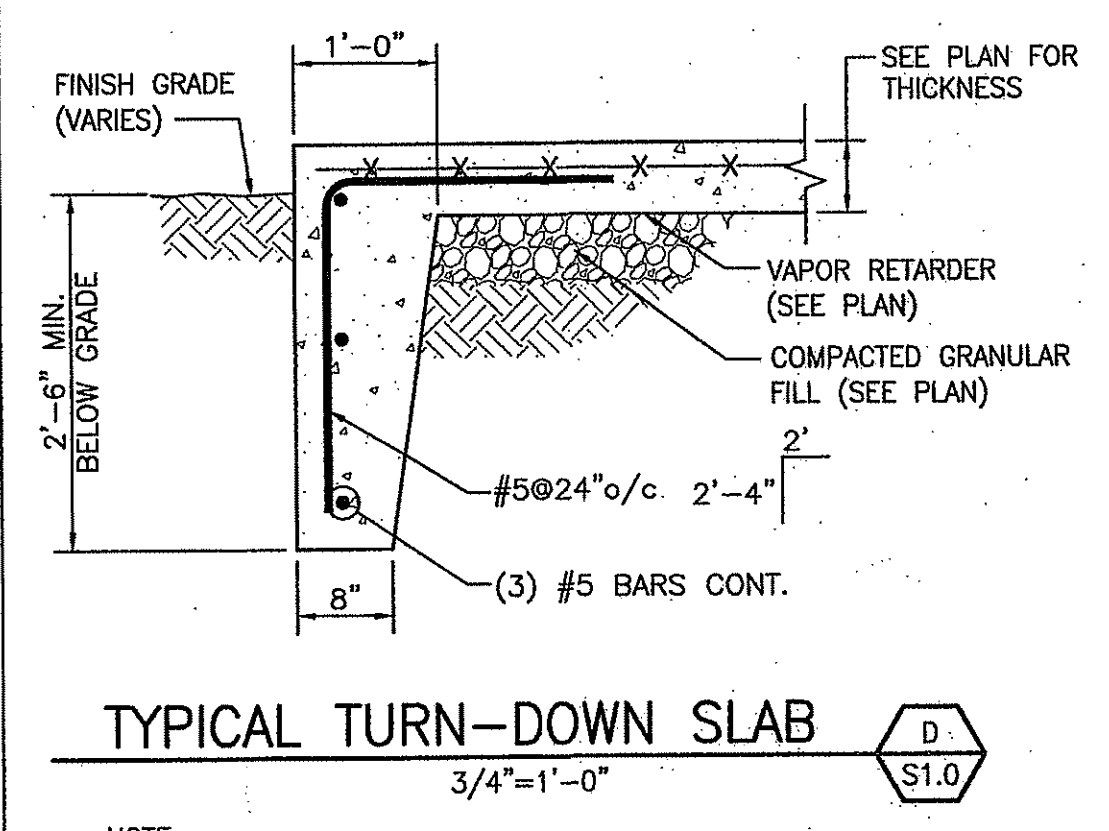
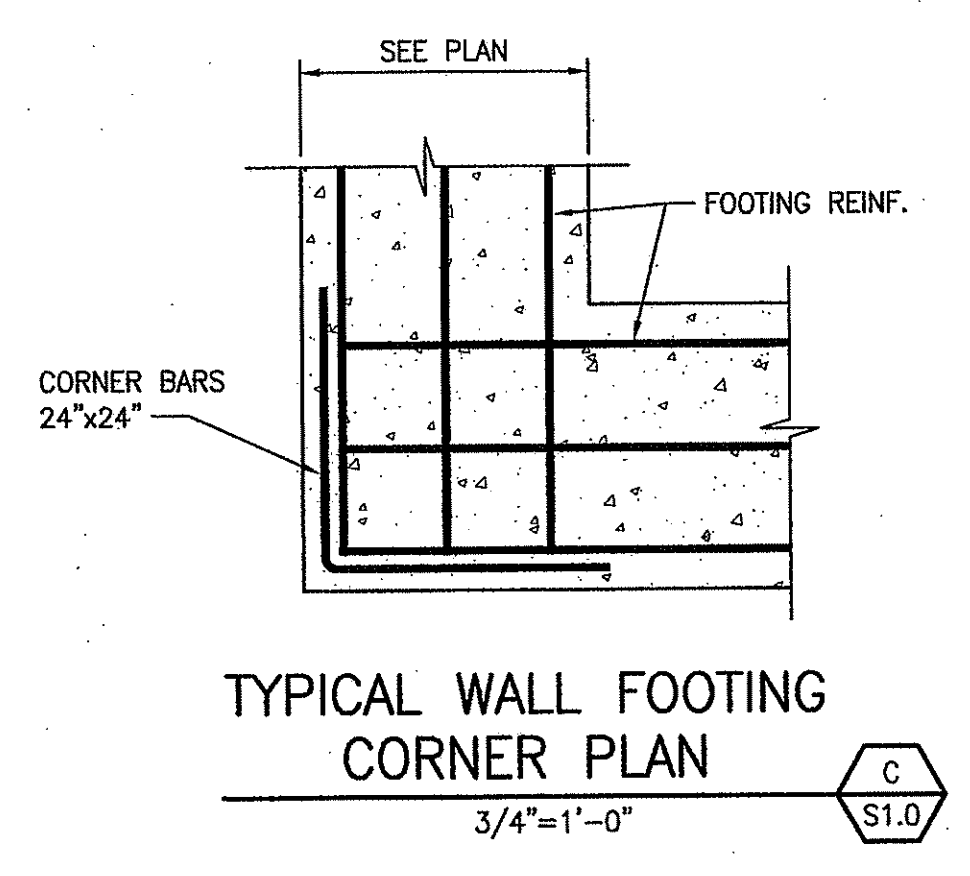
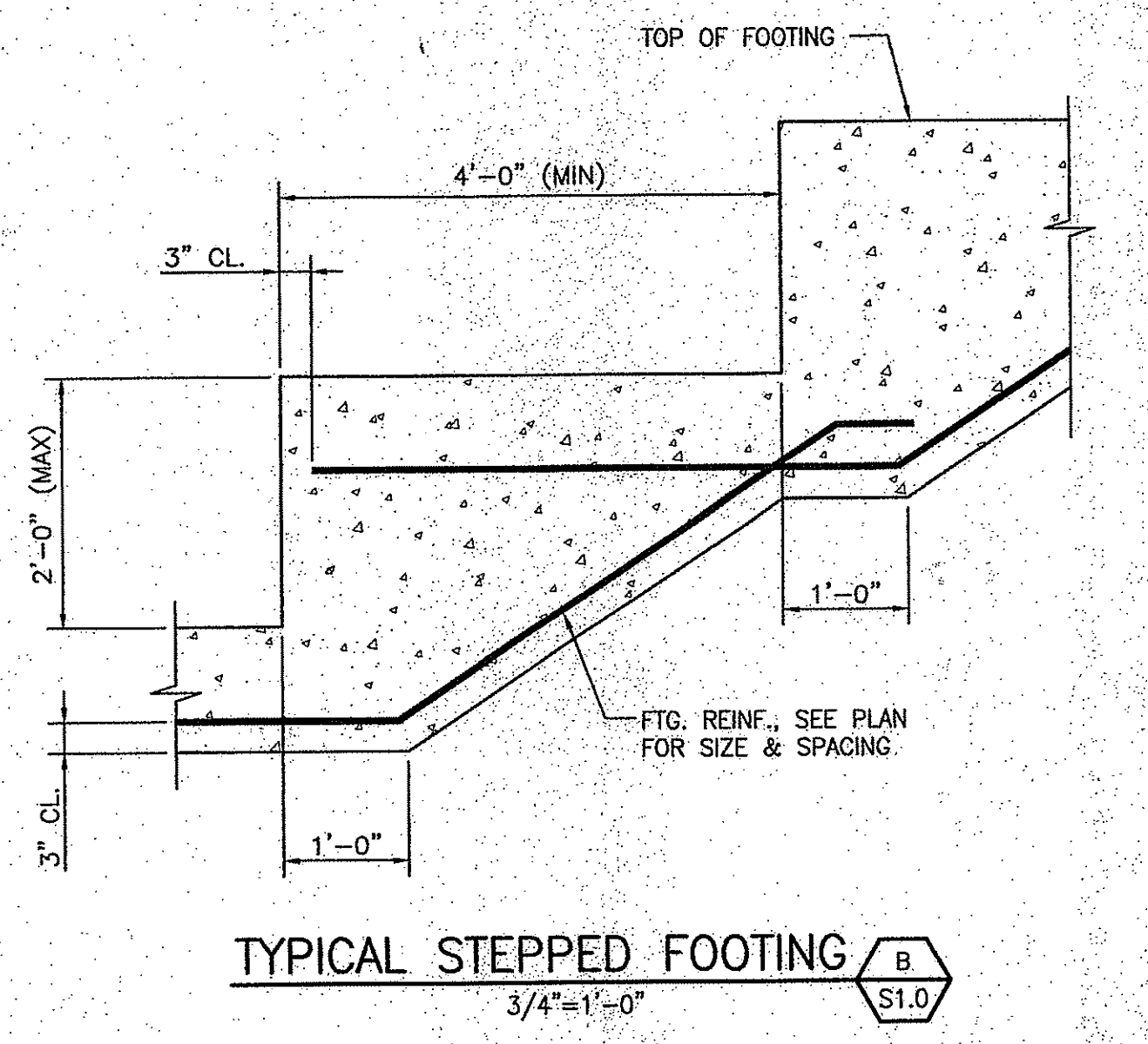
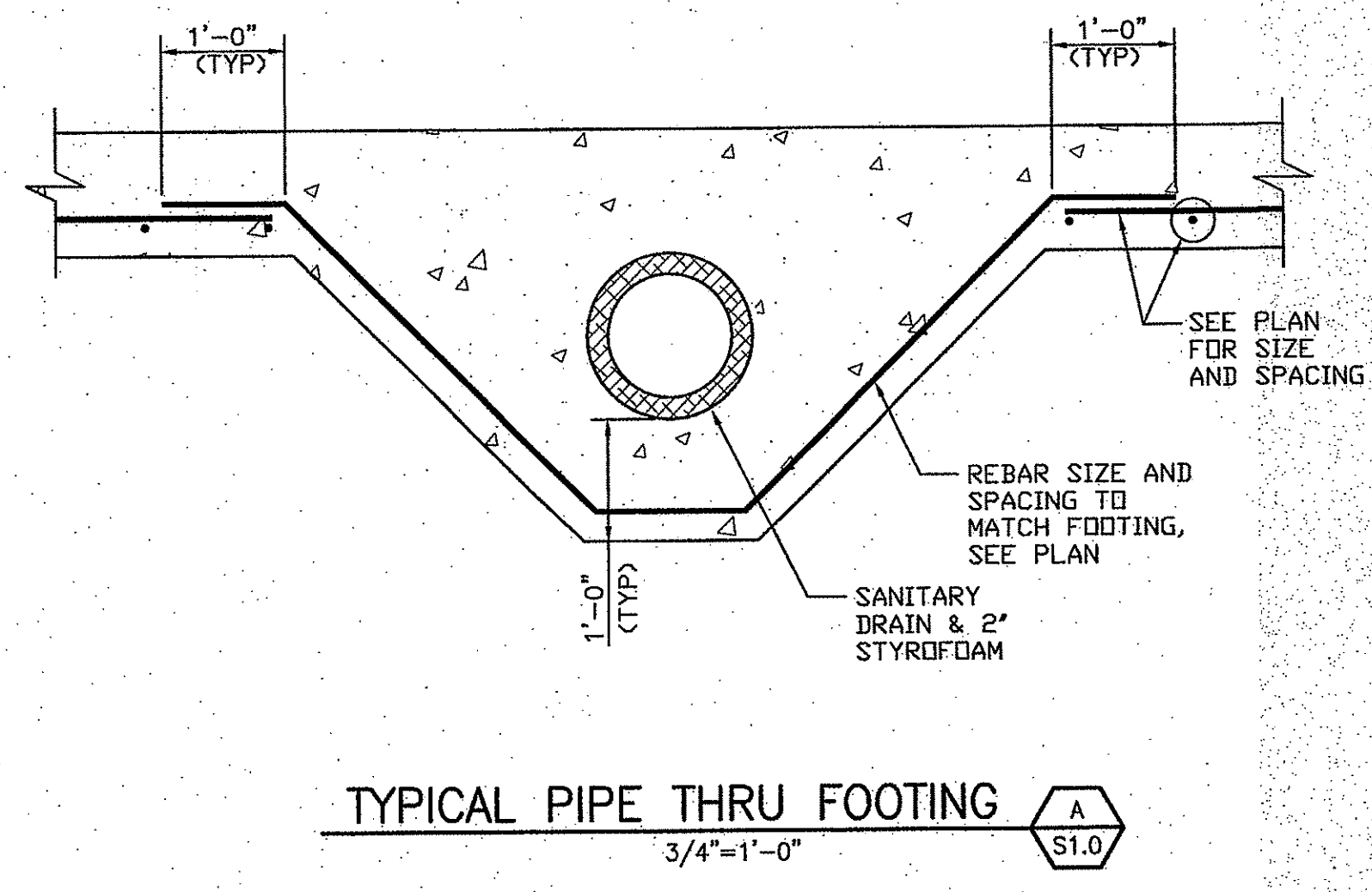
- CONCRETE MASONRY CONSTRUCTION SHALL CONFORM TO ALL REQUIREMENTS OF BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-LATEST EDITION) AND ACI SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1-LATEST EDITION).
- CONCRETE MASONRY UNITS (CMU) SHALL BE GRADE N, 2-CELL BLOCK WITH A MINIMUM COMPRESSIVE STRENGTH OF 1,900 PSI ON NET CROSS SECTION UNLESS OTHERWISE NOTED. CMU SHALL BE TYPE I FOR EXTERIOR AND FOUNDATION WALLS. TYPE I OR TYPE II MAY BE USED FOR INTERIOR PARTITION WALLS.
- CONCRETE MASONRY UNITS SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENT EDITIONS OF THE FOLLOWING STANDARDS:
 - A. HOLLOW LOAD-BEARING UNITS: ASTM C90
 - B. SOLID LOAD-BEARING UNITS: ASTM C145
 - C. HOLLOW NON-LOAD-BEARING UNITS: ASTM C129
 - D. CONCRETE BUILDING BRICK: ASTM C55
- ALL CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT.
- MORTAR FOR REINFORCED AND NONREINFORCED MASONRY SHALL CONFORM TO THE REQUIREMENTS OF ASTM C270 (LATEST EDITION), TYPE S.
- GROUT FOR REINFORCED OR NONREINFORCED MASONRY SHALL CONFORM TO THE REQUIREMENTS OF ASTM C476 (LATEST EDITION).
- WHERE DRAWINGS INDICATE CELLS OF CONCRETE MASONRY UNITS (CMU) ARE TO BE FILLED SOLID, CELLS OF CMU SHALL BE FILLED WITH 3000 PSI PEA GRAVEL CONCRETE IN SIX COURSE MAXIMUM LIFTS.
- WHERE DRAWINGS SPECIFY GROUT TO BE PROVIDED, 3000 PSI PEA GRAVEL CONCRETE CAN BE SUBSTITUTED IF APPLICABLE TO USE. (3000 PSI PEA GRAVEL CONCRETE SHALL NOT BE USED UNDER COLUMN BASEPLATES OR BEARING PLATES).
- ALL REINFORCEMENT SHOWN IN WALLS SHALL BE CENTERED IN MASONRY UNITS UNLESS NOTED OTHERWISE.
- ALL BLOCK SHALL HAVE GALVANIZED, TRUSS OR LADDER TYPE, HORIZONTAL JOINT REINFORCEMENT AT 16" O/C MAXIMUM WITH PREFABRICATED CORNER AND "T" PIECES UNLESS NOTED OTHERWISE. LAP ALL SPLICES 6" MINIMUM, PROVIDE AN ADDITIONAL ROW ABOVE AND BELOW ALL OPENINGS AND EXTEND TWO FEET BEYOND JAMBS. STOP HORIZONTAL REINFORCING EACH SIDE OF CONTROL JOINTS.
- WHERE MASONRY WALLS OF HOLLOW UNITS OR MASONRY BONDED WALLS CHANGE IN THICKNESS, THE WALL SHALL BE FILLED SOLID WITH CONCRETE OR OTHERWISE CONSTRUCTED SOLID FOR AT LEAST ONE COURSE (8" MIN) IMMEDIATELY BELOW SUCH LEVEL WHERE THE THICKNESS CHANGES.
- EXCEPT AS OTHERWISE SHOWN, CELLS IN MASONRY UNDER BEARING AREAS FOR BEAMS, LINTELS, AND SLABS SHALL BE FILLED SOLID WITH CONCRETE FOR AT LEAST TWO COURSES (16" MIN) IMMEDIATELY BELOW SUCH BEARING.
- ALL MASONRY WALLS SHALL HAVE TEMPORARY BRACING INSTALLED UNTIL ALL STEEL AND DECK IS COMPLETE. CONTRACTOR IS SOLELY RESPONSIBLE FOR TEMPORARY BRACING.
- PROVIDE VERTICAL CONTROL JOINTS WHERE INDICATED ON ARCHITECTURAL DRAWINGS, BUT NOT TO EXCEED 40'-0" MAXIMUM.

WOOD FRAMING

- WOOD FRAMING AND FASTENERS - COMPLY WITH THE RECOMMENDATIONS OF THE AMERICAN FOREST AND PAPER ASSOCIATION.
- CONSTRUCTION GLUE: PL400 HEAVY DUTY CONSTRUCTION ADHESIVE BY CONTECH OR EQUAL MEETING APA SPECIFICATION AFG-01. APPLY IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
- STRUCTURAL LUMBER TO BE SOUTHERN PINE #1 (19% MOISTURE CONTENT IN USE).
- ALL EXTERIOR EXPOSED FRAMING TO BE NATURALLY DURABLE WOOD SPECIES OR PRESSURE TREATED LUMBER.
- TREAT WOOD PLATES IN CONTACT WITH MASONRY IN COMPLIANCE WITH AWPA CURRENT STANDARDS.
- GLUED LAMINATED TIMBER (GL) SHALL BE BLACK LOCUST WITH PROPERTIES MEETING OR EXCEEDING THOSE OF SOUTHERN PINE 24F-V3 OR DOUGLAS FIR 24F-V4 AND SHALL HAVE AN ALLOWABLE BENDING STRESS OF 2,400 PSI, AN ALLOWABLE MODULUS OF ELASTICITY OF 1,700 KSI, AN ALLOWABLE SHEAR STRESS OF 265 PSI, AND ALLOWABLE COMPRESSIVE STRESS PARALLEL TO THE GRAIN OF 1,650 PSI. ALL GLUE LAMINATED TIMBER SHALL BE SUITABLE FOR EXTERIOR EXPOSURE.
- ALL STEEL BOLTS, CLIPS AND ATTACHMENTS TO PRESERVATIVE TREATED LUMBER SHALL BE HOT DIPPED GALVANIZED.
- WHERE CONNECTIONS OR OTHER DETAILS ARE NOT INDICATED, FOLLOW THE RECOMMENDATIONS IN THE MANUAL OF WOOD FRAME CONSTRUCTION, BY THE AFPA.
- SHOP DRAWINGS SHOWING ALL SECTIONS, DETAILS, AND MATERIAL SPECIFICATIONS NECESSARY FOR THE PROPER INSTALLATION AND CONNECTION OF ALL MANUFACTURER'S WOOD PRODUCTS SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER FOR REVIEW PRIOR TO FABRICATION AND INSTALLATION.

STEEL RAILINGS

- STEEL SUPPLIER SHALL DESIGN ALL STAIR FRAMING INCLUDING HANDRAILS AND GUARDRAILS TO SUPPORT THE FOLLOWING DESIGN LOADS:
 - HANDRAILS- 50 LBS/FT OR 200 LBS CONCENTRATED LOAD, WHICHEVER IS GREATER, APPLIED AT ANY POINT IN ANY DIRECTION.
 - GUARDRAILS- 100 LBS/FT VERTICALLY AND 50 LBS/FT HORIZONTALLY, OR A 200 LBS CONCENTRATED LOAD, WHICHEVER IS GREATER, APPLIED AT ANY POINT AND IN ANY DIRECTION TO THE TOP RAIL. A 200 LBS CONCENTRATED LOAD APPLIED ON A 1 S.F. AREA AT ANY POINT FOR REMAINING GUARDRAIL INFILL COMPONENTS.
- WHERE STEEL BEARS ON WALL, MANUFACTURER TO PROVIDE BEARING PLATES TO MAINTAIN 200 P.S.I. BEARING PRESSURE.
- PROVIDE HANGERS, CLIP ANGLES, ETC. AS REQUIRED FOR SUSPENSION OF STAIR FRAMING FROM STRUCTURAL STEEL FRAME.
- SUBMIT COMPLETE SHOP AND ERECTION DRAWINGS FOR REVIEW PRIOR TO FABRICATION OR ERECTION. STAIR SUPPLIER'S SHOP DRAWINGS SHALL CONTAIN A CERTIFICATION SEALED BY A REGISTERED PROFESSIONAL ENGINEER STATING THAT THE STAIR AND GUARDRAIL COMPONENTS HAVE BEEN DESIGNED TO SUPPORT THE SPECIFIED LOADS.



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License No. 21155
Expiration Date 3/13/2014



The Maryland-National Capital Park and Planning Commission

Montgomery County Department of Parks
9500 Brunnet Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL

Project Manager Date 8/1/13 Signature: <i>Uarda Cones</i>
Construction Manager/Engineer Date 8/1/13 Signature: <i>[Signature]</i>
Park Manager Date

ISSUED FOR PROCUREMENT ON

REVISIONS		
Rev. No.	Date	Description

GREENBRIAR LOCAL PARK

STRUCTURAL GENERAL NOTES & TYPICAL DETAILS

SCALE: AS SHOWN
Liber Folio

DWG. # _____ of _____

S1.0

SHT. # 44 of 79

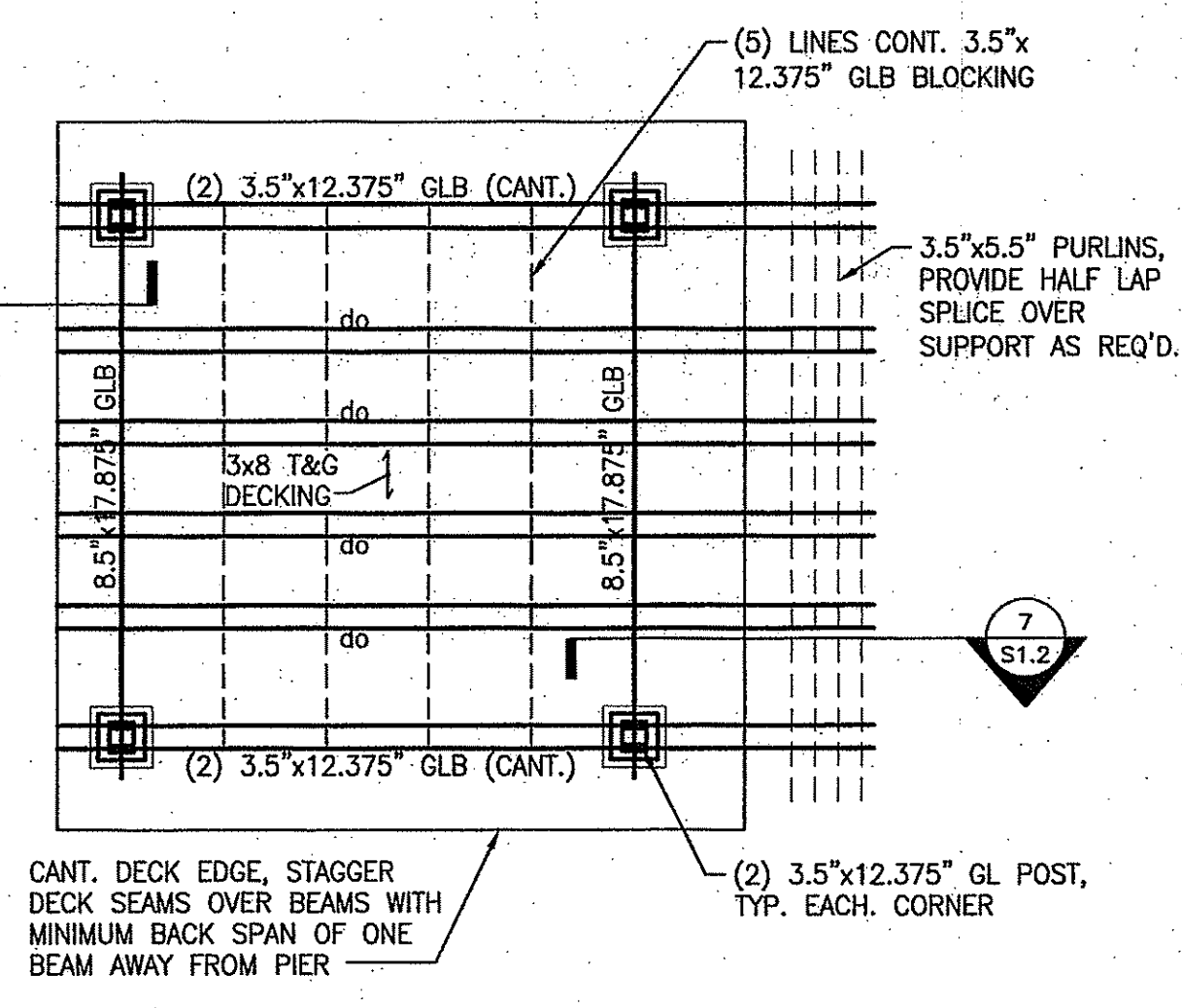
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PLAN SCANNED:

PARK CODE: C10

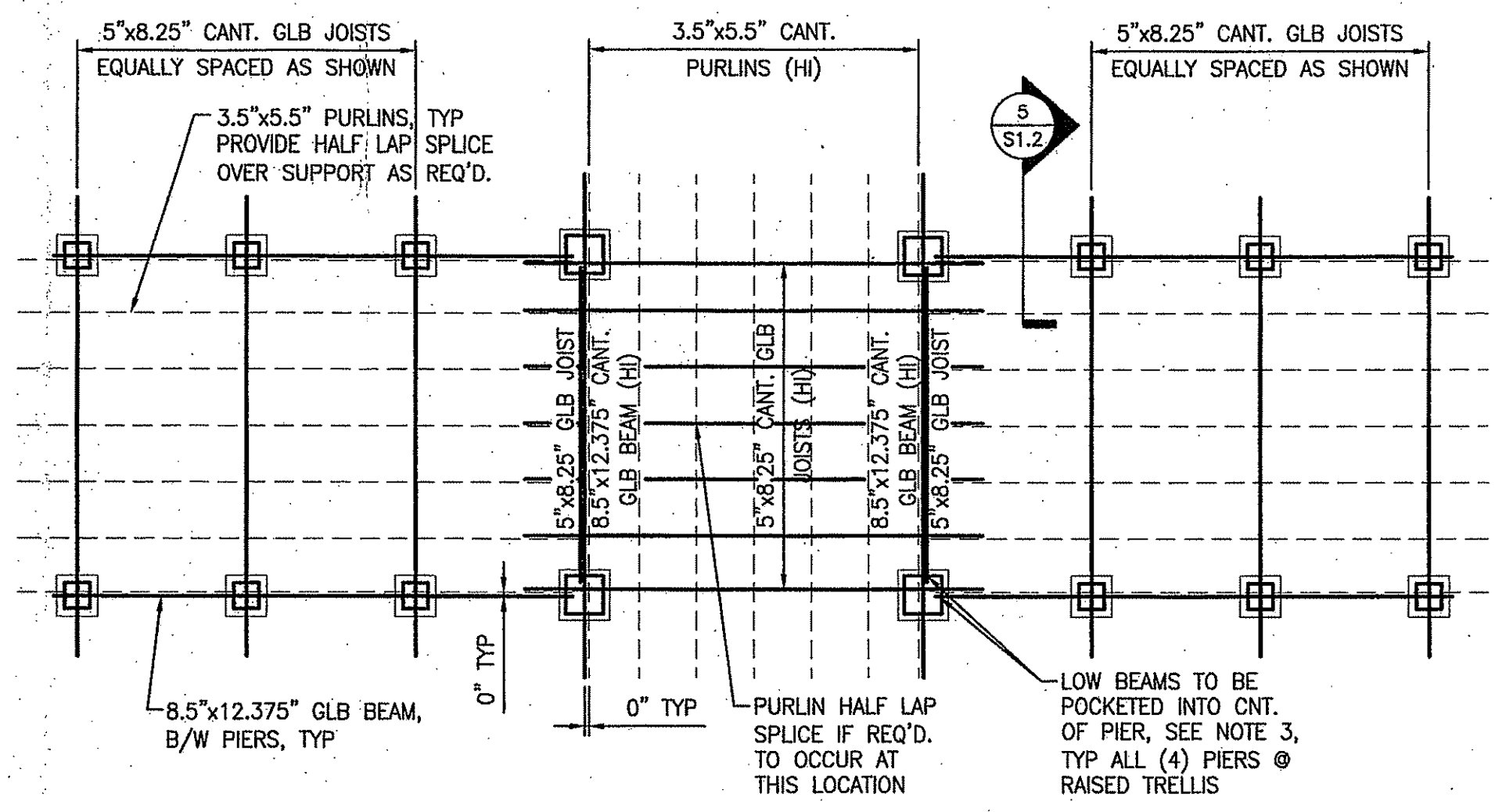
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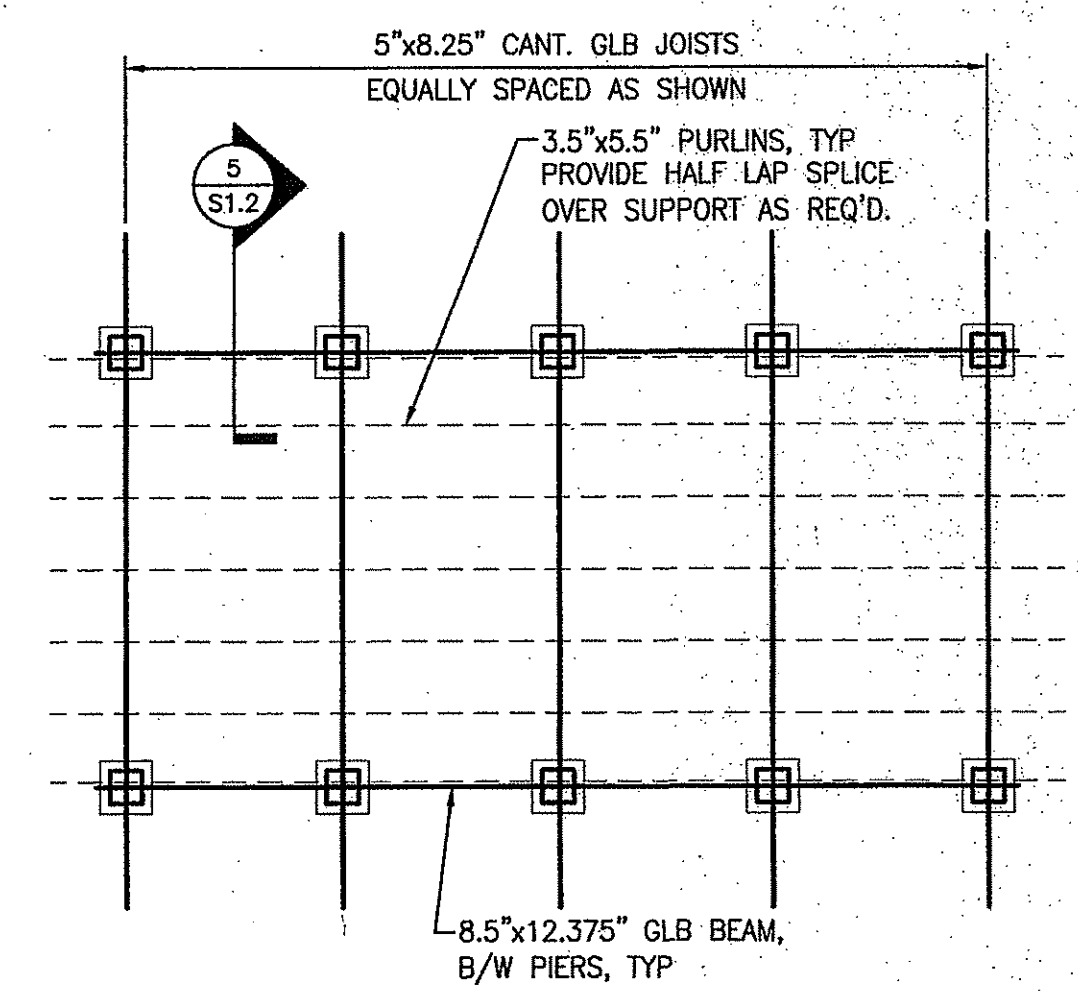
PAVILION ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

- ROOF FRAMING NOTES:
- ROOF SHALL CONSIST OF STANDING SEAM METAL ROOFING OVER 3x8 T&G BLACK LOCUST DECKING SCREWED TO SUPPORT BEAMS w/ #10 STAINLESS STEEL SCREWS IN PRE-DRILLED HOLES PER SPECIFICATIONS. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
 - ALL WOOD SHALL CONSIST OF NATURALLY DURABLE BLACK LOCUST, SEE GENERAL NOTES FOR ADDITIONAL INFORMATION. SEE ARCHITECTURAL DRAWINGS FOR STAIN/SEALANT INFORMATION.
 - SEE ARCHITECTURAL DRAWINGS FOR ALL ELEVATIONS, DIMENSIONS AND ROOF SLOPES.



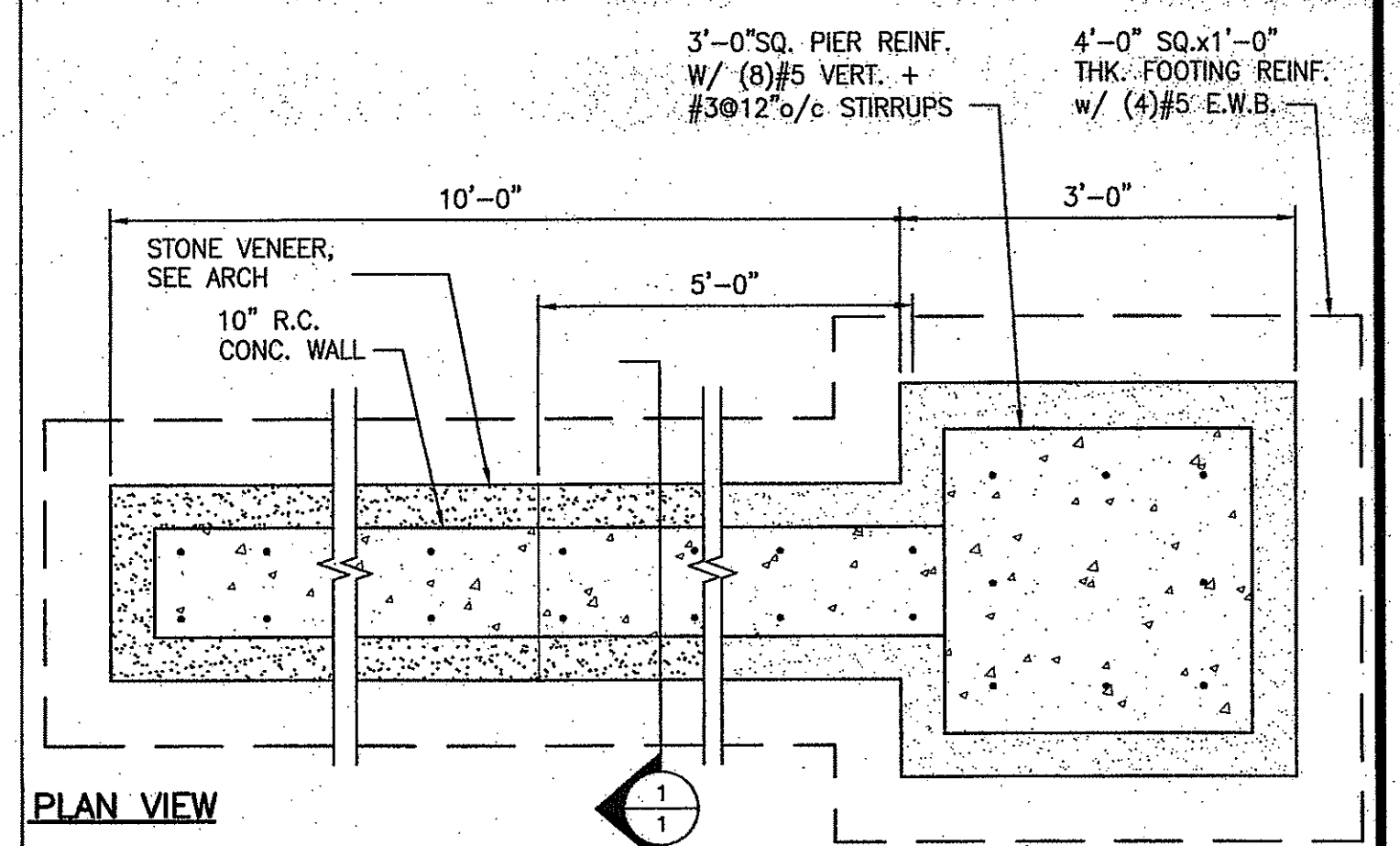
TRELLIS B FRAMING PLAN
SCALE: 1/8" = 1'-0"

- TRELLIS FRAMING NOTES:
- ALL WOOD SHALL CONSIST OF NATURALLY DURABLE BLACK LOCUST, SEE GENERAL NOTES FOR ADDITIONAL INFORMATION. SEE ARCHITECTURAL DRAWINGS FOR STAIN/SEALANT INFORMATION.
 - SEE ARCHITECTURAL DRAWINGS FOR ALL ELEVATIONS, DIMENSIONS AND ROOF SLOPES.
 - POCKET GLUE LAM BEAM INTO PIER WITH 8" EMBEDMENT (4" INTO CMU CORE). PACK VOID SOLID w/ NON SHRINK GROUT.



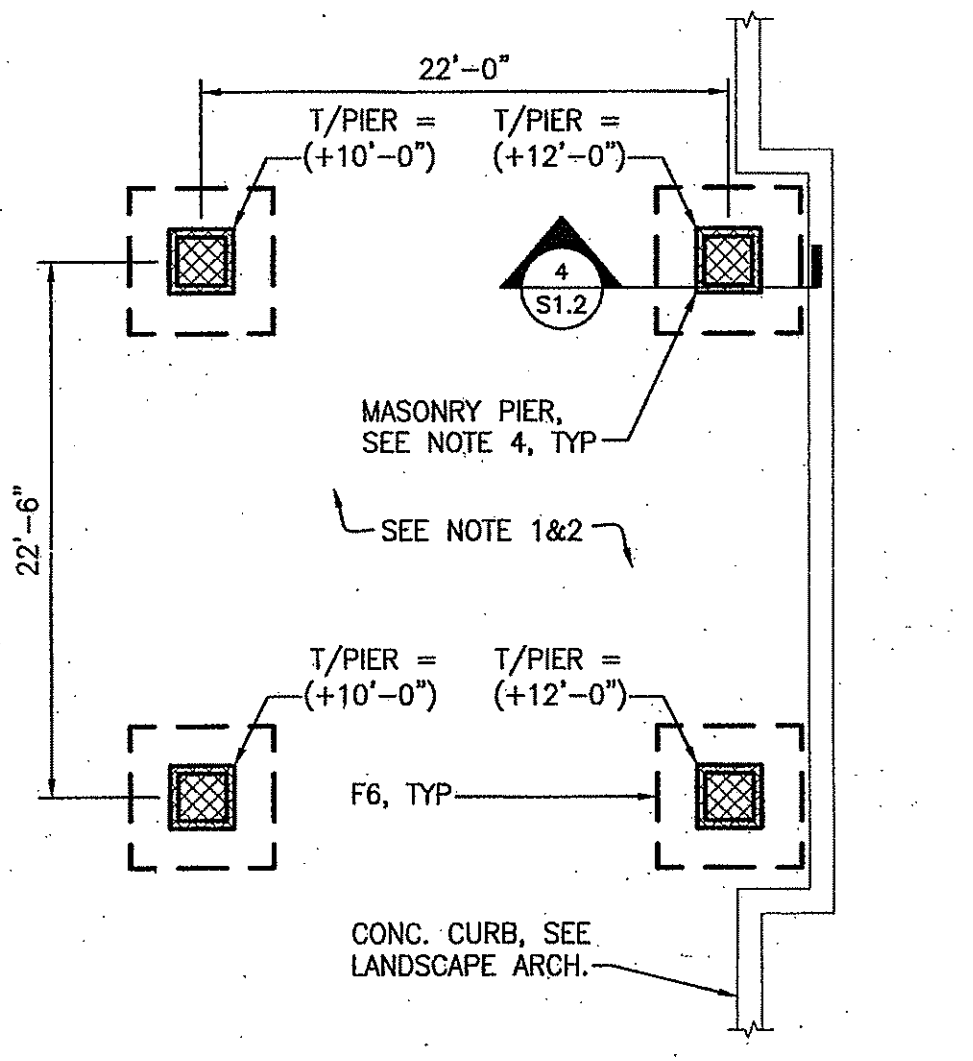
TRELLIS A FRAMING PLAN
SCALE: 1/8" = 1'-0"

- TRELLIS FRAMING NOTES:
- ALL WOOD SHALL CONSIST OF NATURALLY DURABLE BLACK LOCUST, SEE GENERAL NOTES FOR ADDITIONAL INFORMATION. SEE ARCHITECTURAL DRAWINGS FOR STAIN/SEALANT INFORMATION.
 - SEE ARCHITECTURAL DRAWINGS FOR ALL ELEVATIONS, DIMENSIONS AND ROOF SLOPES.



ENTRANCE WALL DETAIL
SCALE: 3/4" = 1'-0"

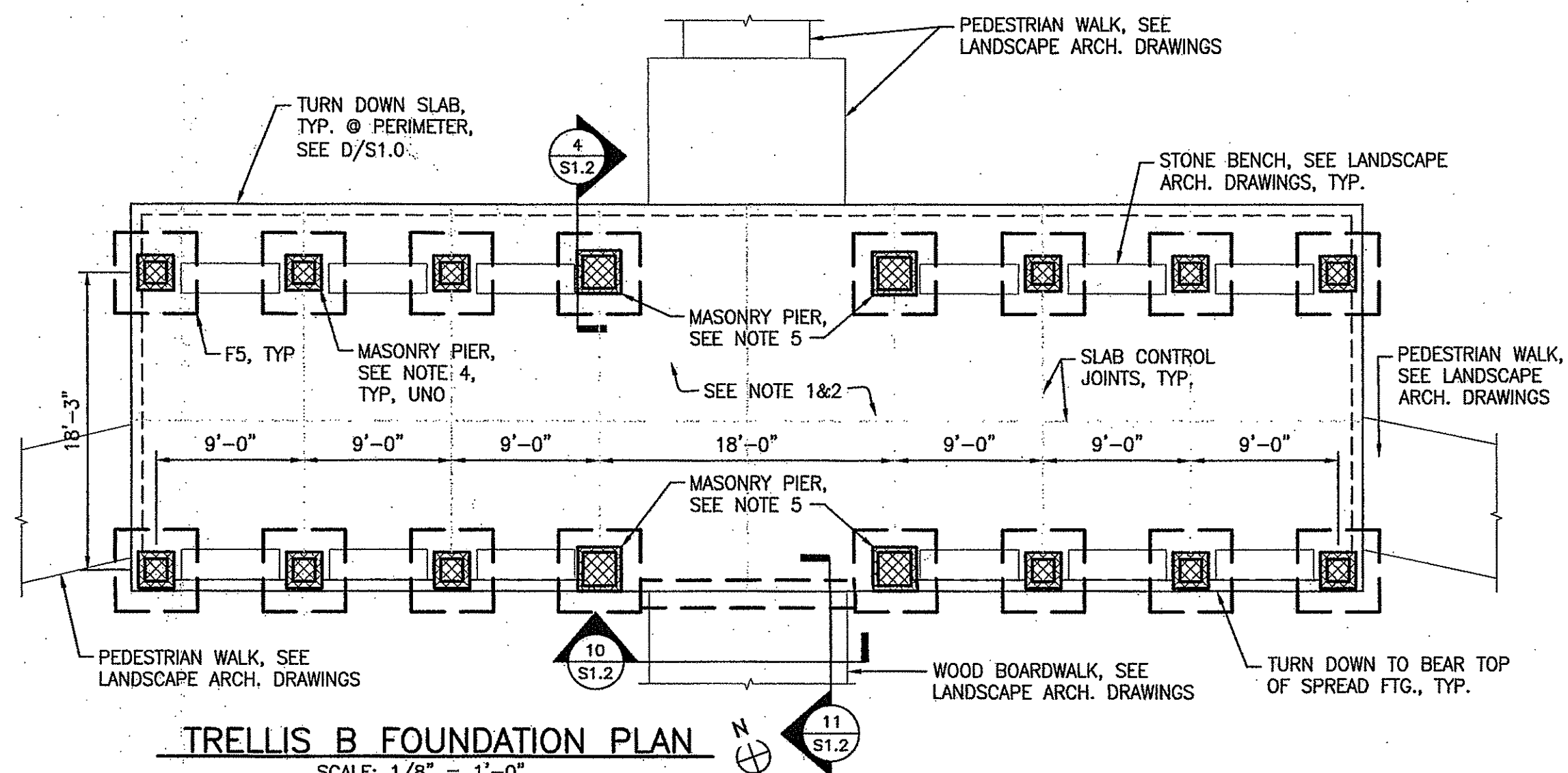
NOTE:
1. REFER TO SECTION 1/L4.4 AND 6/L4.3 FOR ADDITIONAL INFORMATION.



PAVILION FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

- FOUNDATION NOTES:
- SLAB ON GRADE SHALL CONSIST STONE PAVERS WITH MORTAR SETTING BED OVER 5" CONCRETE SLAB REINFORCED w/ 6"x6"-W2.1xW2.1 WWF OVER 10 MIL VAPOR RETARDER AND 4" MINIMUM COMPACTED STONE BASE. SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADDITIONAL INFORMATION.
 - TOP OF NEW SLAB-ON-GRADE ELEVATION VARIES, SEE CIVIL DRAWINGS
 - SPREAD FOOTING SIZES SHOWN THUS: FX, CONTINUOUS WALL FOOTINGS SHOWN THUS WX.X, SEE SCHEDULE. U.N.O. TYPICAL TOP OF EXTERIOR FOOTINGS SHALL BE AT -2'-0" FROM TOP OF PAVING U.N.O.
 - REINFORCED MASONRY PIER WITH STONE VENEER ALL SIDES. REINFORCE 2'-0" SQUARE CMU CORE w/ (9) #6 VERTICAL BARS DOWELED INTO SPREAD FOOTING. (1) BAR CENTERED IN EACH CELL. GROUT ENTIRE PIER SOLID. TOP OF MASONRY PIER ELEVATION ABOVE TOP OF PAVERS NOTED ON PLAN.
 - COORDINATE ALL EXTERIOR SLAB DIMENSIONS WITH LANDSCAPE ARCHITECTURE DRAWINGS

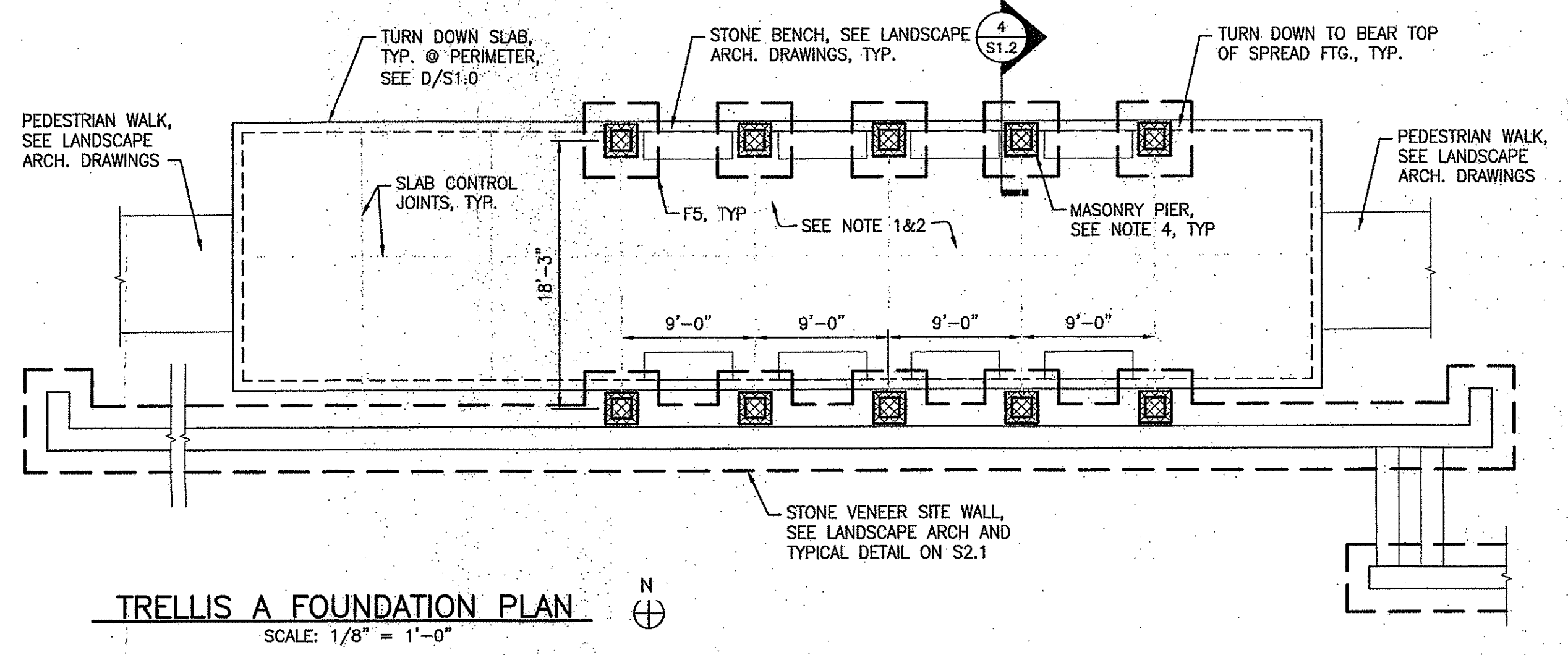
MARK	SIZE	DEPTH	REINF.
F6	6'-0" SQ.	1'-0"	(6) #5 E.W.B.



TRELLIS B FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

- FOUNDATION NOTES:
- SLAB ON GRADE SHALL CONSIST STONE PAVERS WITH MORTAR SETTING BED OVER 5" CONCRETE SLAB REINFORCED w/ 6"x6"-W2.1xW2.1 WWF OVER 10 MIL VAPOR RETARDER AND 4" MINIMUM COMPACTED STONE BASE. SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADDITIONAL INFORMATION.
 - TOP OF NEW SLAB-ON-GRADE ELEVATION VARIES, SEE CIVIL DRAWINGS
 - SPREAD FOOTING SIZES SHOWN THUS: FX, CONTINUOUS WALL FOOTINGS SHOWN THUS WX.X, SEE SCHEDULE. U.N.O. TYPICAL TOP OF EXTERIOR FOOTINGS SHALL BE AT -2'-0" FROM TOP OF PAVING U.N.O.
 - REINFORCED MASONRY PIER WITH STONE VENEER ALL SIDES. REINFORCE 16" SQUARE CMU CORE w/ (4) #6 VERTICAL BARS DOWELED INTO SPREAD FOOTING TYPICAL (U.N.O.). (1) BAR CENTERED IN EACH CELL. GROUT ENTIRE PIER SOLID. TOP OF MASONRY PIER = +10'-0" ABOVE TOP OF PAVER TYPICAL (U.N.O.)
 - REINFORCED MASONRY PIER WITH STONE VENEER ALL SIDES. REINFORCE 2'-0" SQUARE CMU CORE w/ (9) #6 VERTICAL BARS DOWELED INTO SPREAD FOOTING. (1) BAR CENTERED IN EACH CELL. GROUT ENTIRE PIER SOLID. TOP OF MASONRY PIER ELEVATION ABOVE TOP OF PAVERS = +12'-0"
 - COORDINATE ALL EXTERIOR SLAB DIMENSIONS WITH LANDSCAPE ARCHITECTURE DRAWINGS

MARK	SIZE	DEPTH	REINF.
F5	5'-0" SQ.	1'-0"	(4) #5 E.W.B.



TRELLIS A FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

- FOUNDATION NOTES:
- SLAB ON GRADE SHALL CONSIST STONE PAVERS WITH MORTAR SETTING BED OVER 5" CONCRETE SLAB REINFORCED w/ 6"x6"-W2.1xW2.1 WWF OVER 10 MIL VAPOR RETARDER AND 4" MINIMUM COMPACTED STONE BASE. SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADDITIONAL INFORMATION.
 - TOP OF NEW SLAB-ON-GRADE ELEVATION VARIES, SEE CIVIL DRAWINGS
 - SPREAD FOOTING SIZES SHOWN THUS: FX, CONTINUOUS WALL FOOTINGS SHOWN THUS WX.X, SEE SCHEDULE. U.N.O. TYPICAL TOP OF EXTERIOR FOOTINGS SHALL BE AT -2'-0" FROM TOP OF PAVING U.N.O.
 - REINFORCED MASONRY PIER WITH STONE VENEER ALL SIDES. REINFORCE 16" SQUARE CMU CORE w/ (4) #6 VERTICAL BARS DOWELED INTO SPREAD FOOTING. (1) BAR CENTERED IN EACH CELL. GROUT ENTIRE PIER SOLID. TOP OF MASONRY PIER = +10'-0" ABOVE TOP OF PAVER
 - COORDINATE ALL EXTERIOR SLAB DIMENSIONS WITH LANDSCAPE ARCHITECTURE DRAWINGS

MARK	SIZE	DEPTH	REINF.
F5	5'-0" SQ.	1'-0"	(4) #5 E.W.B.

4' 0" 4' 8" 6' 0" 6' 12" 18"
SCALE: 1/8" = 1'-0" SCALE: 3/4" = 1'-0"

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License No. 21155
Expiration Date 3/31/2014

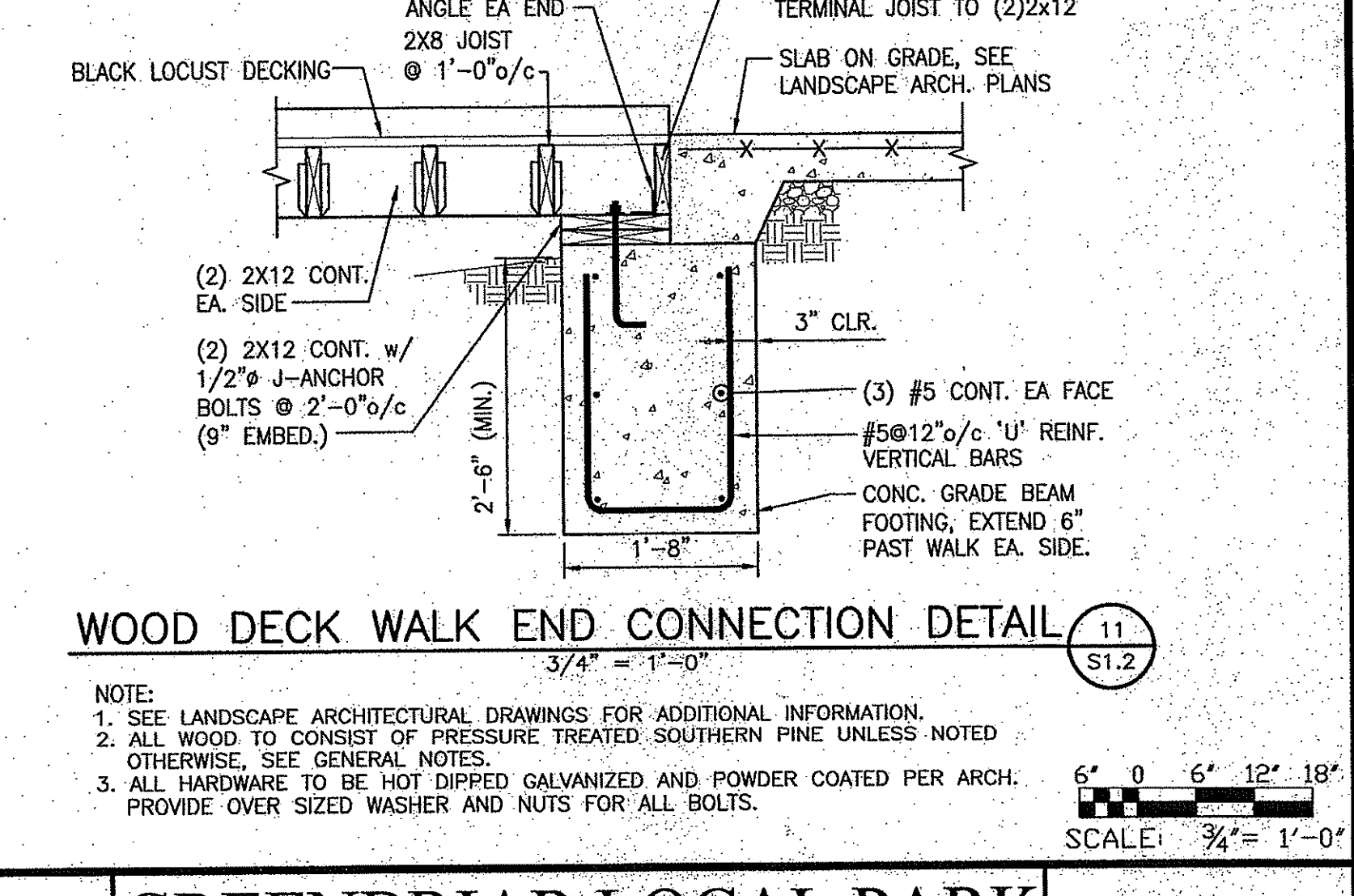
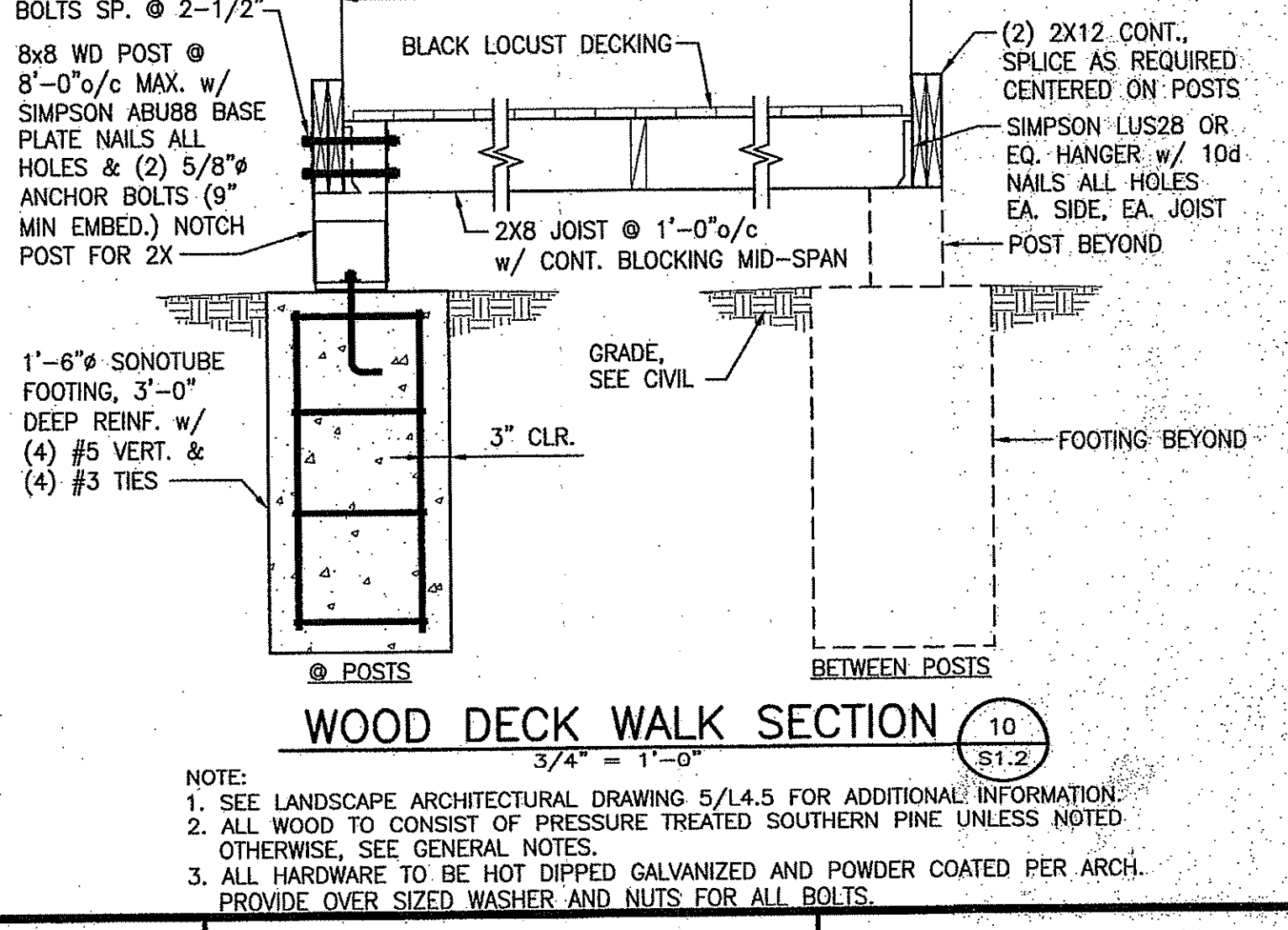
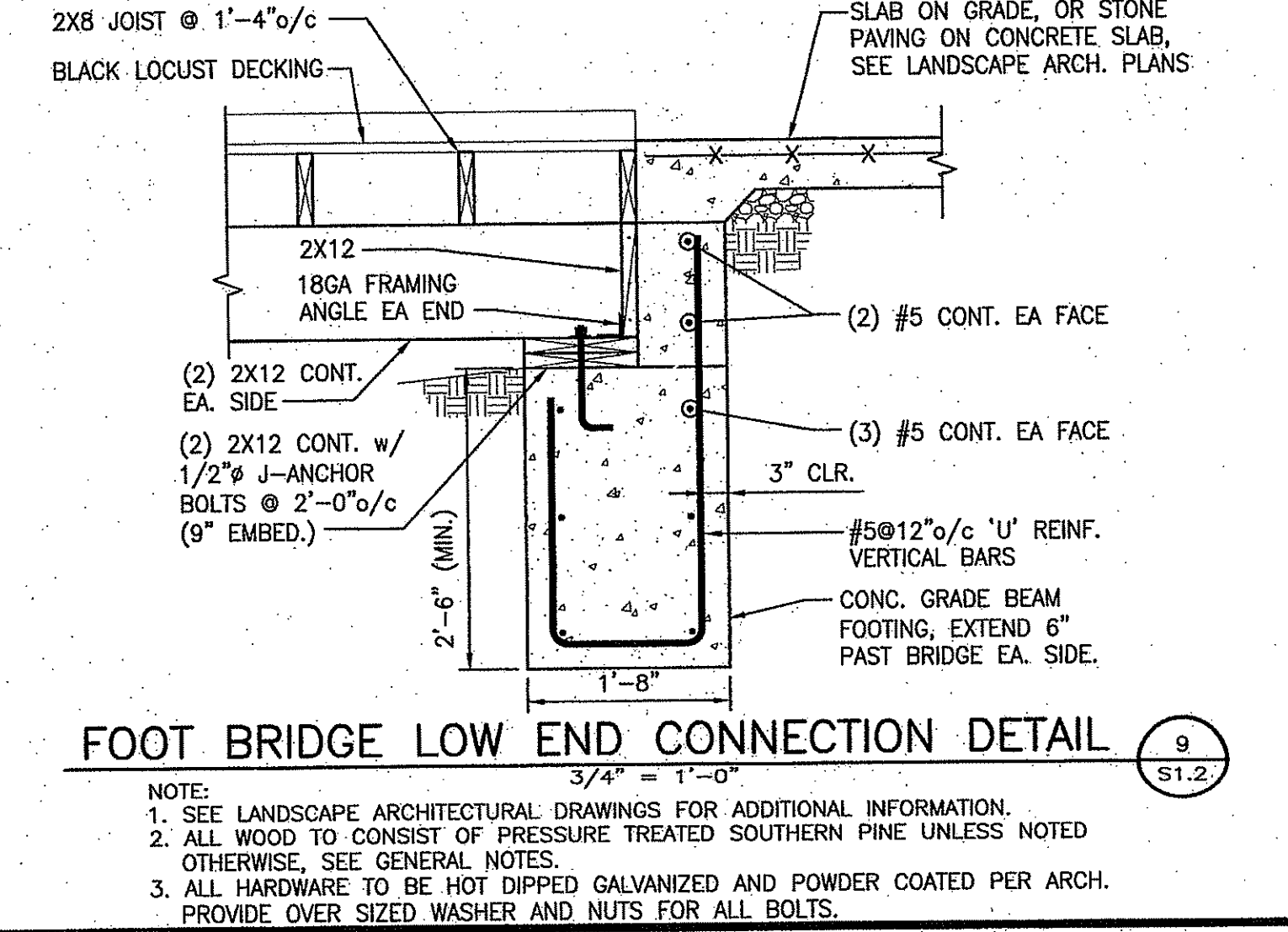
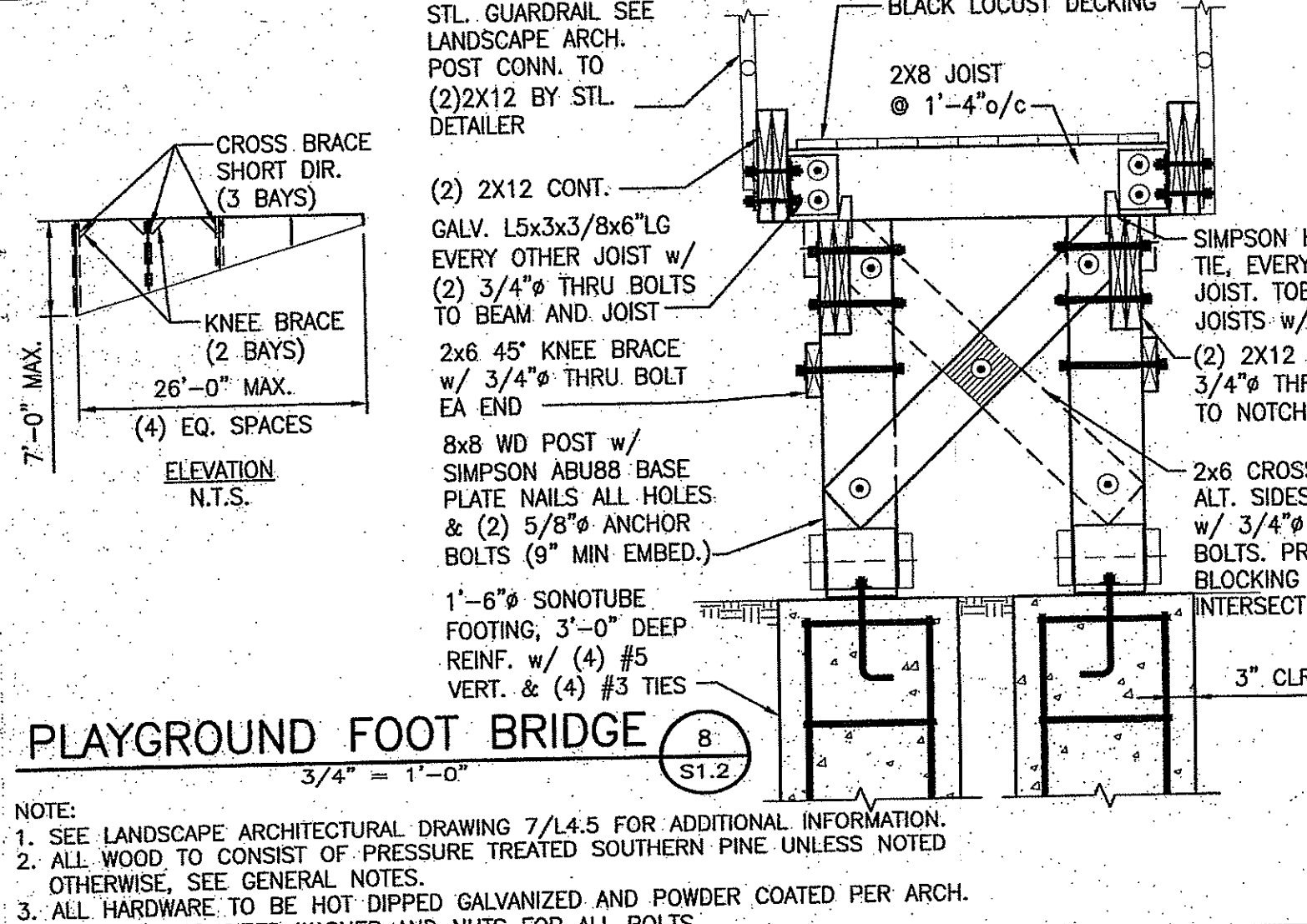
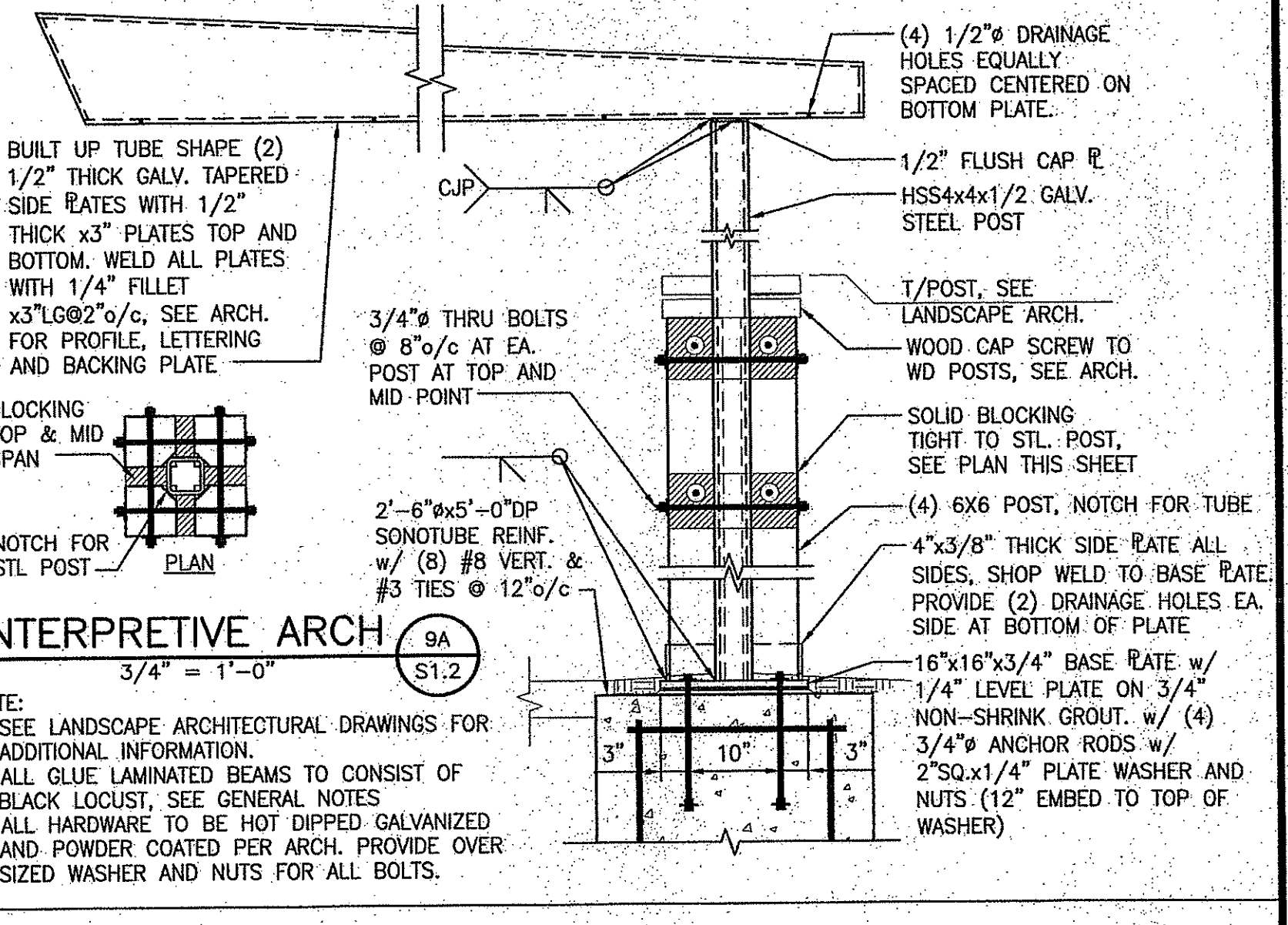
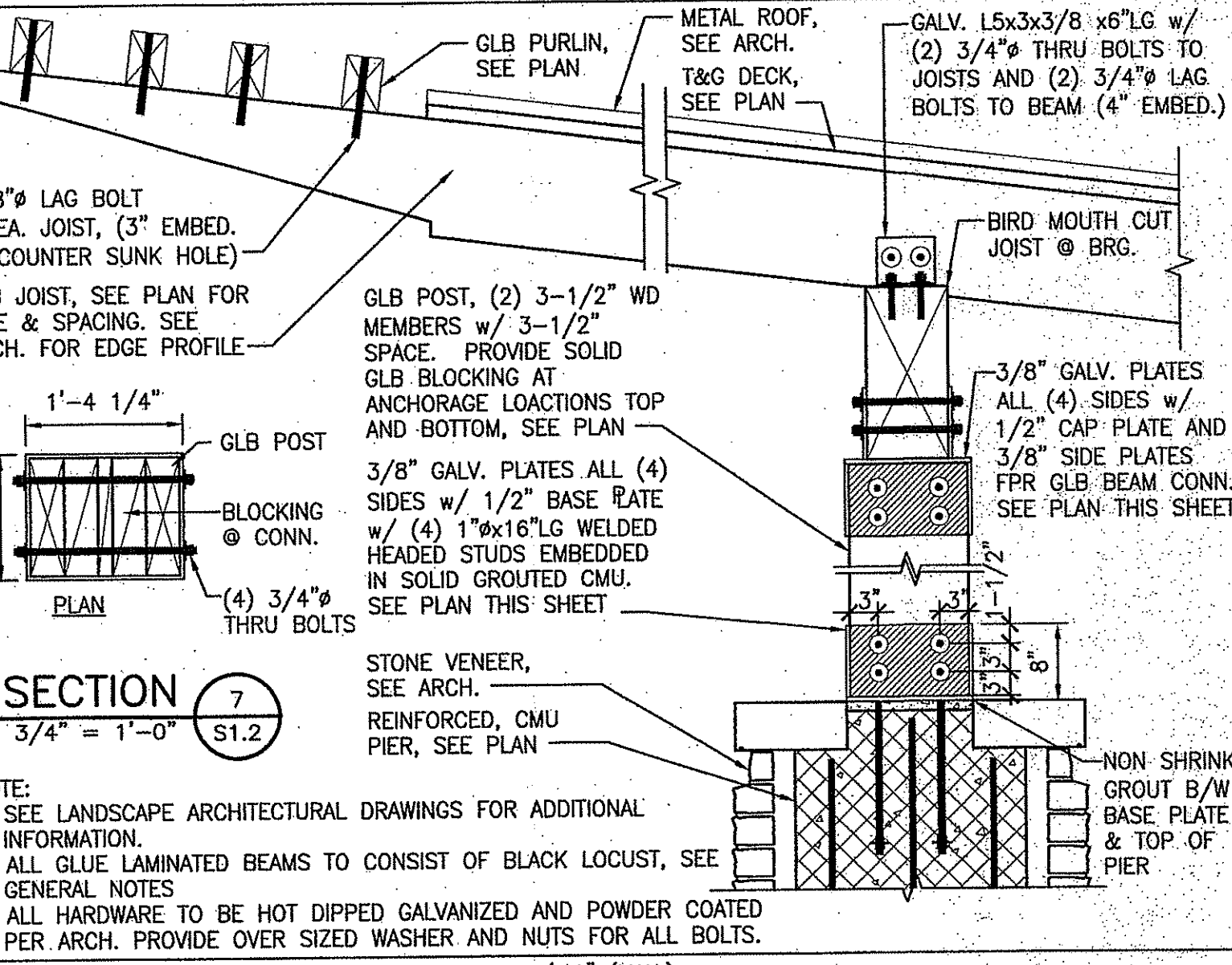
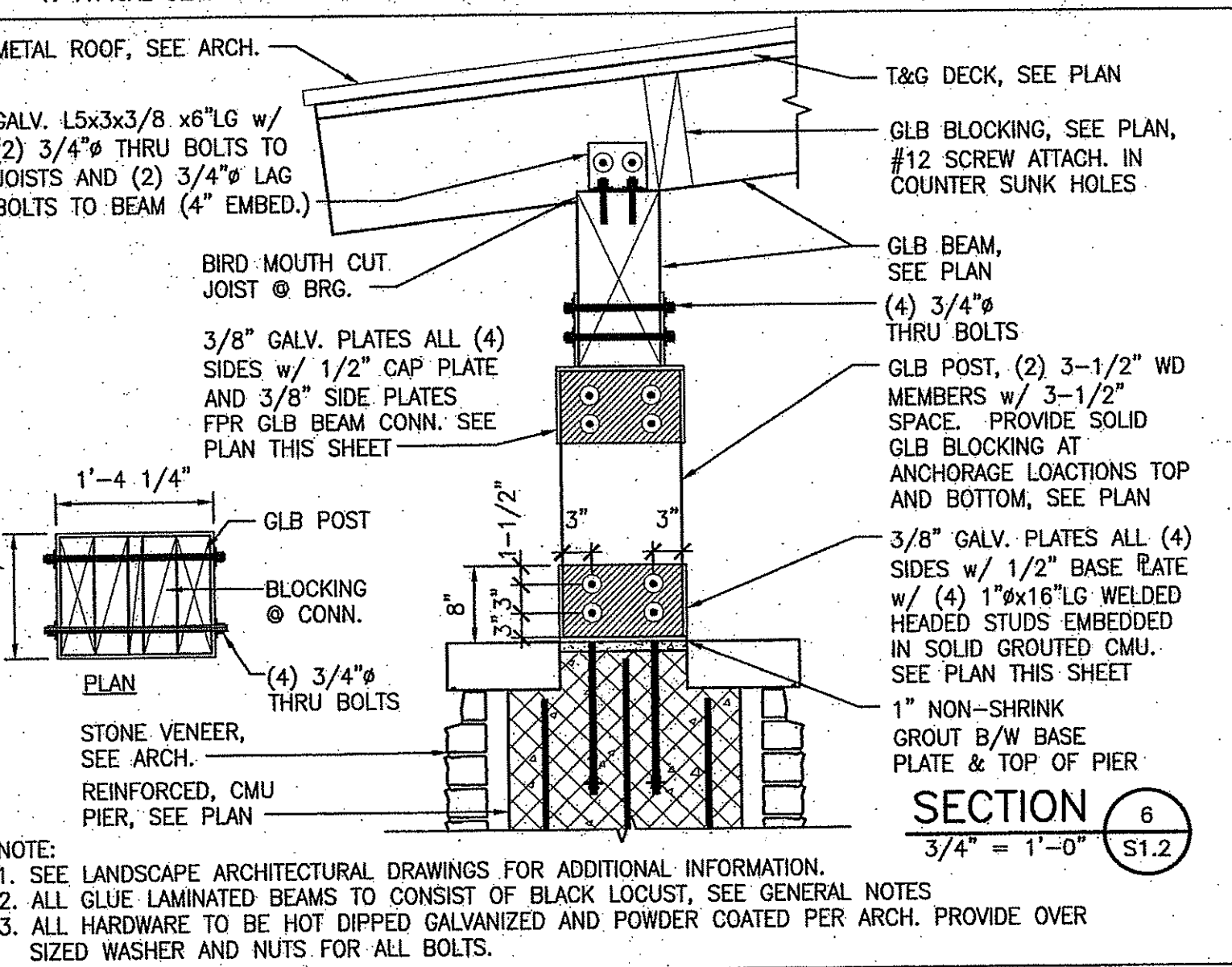
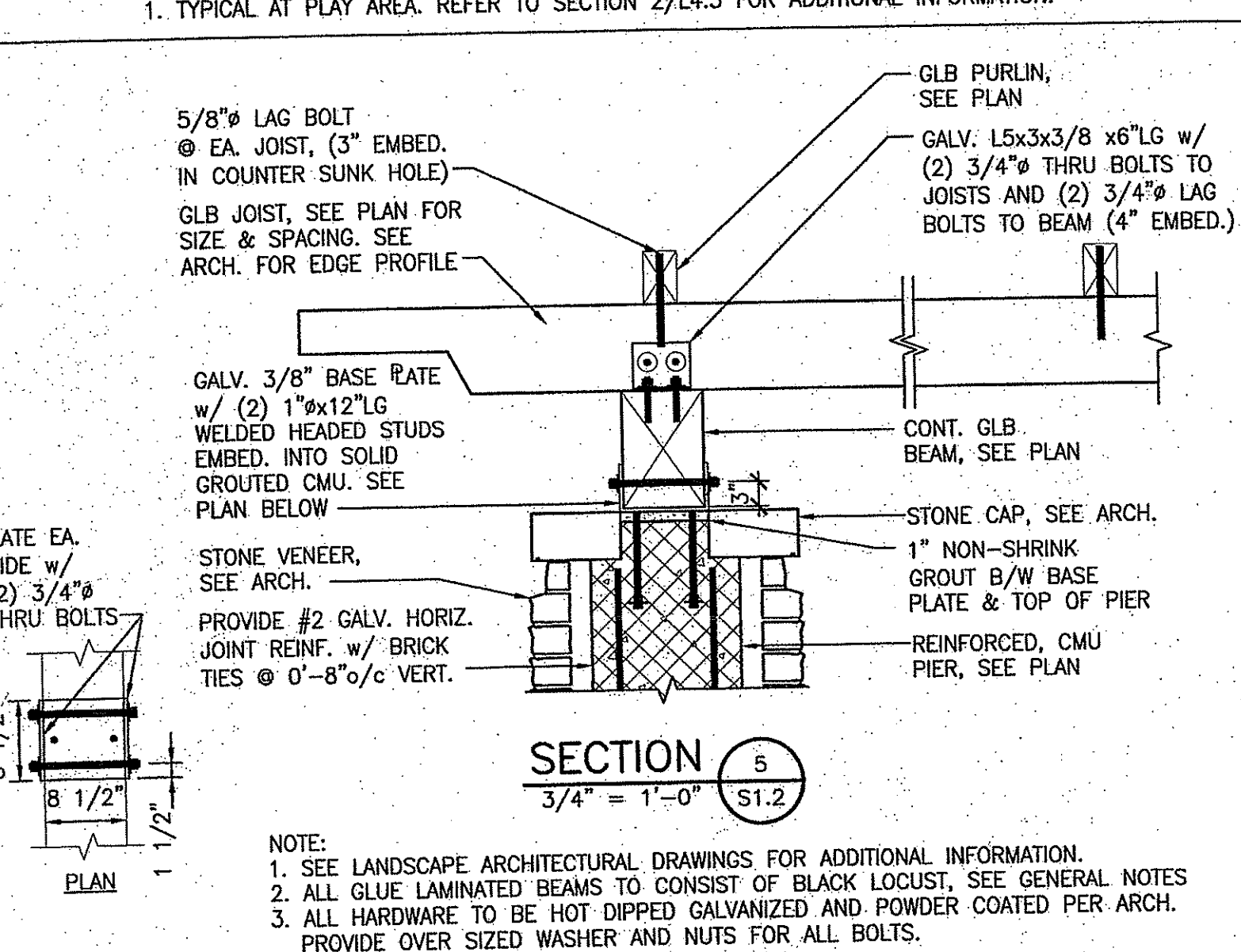
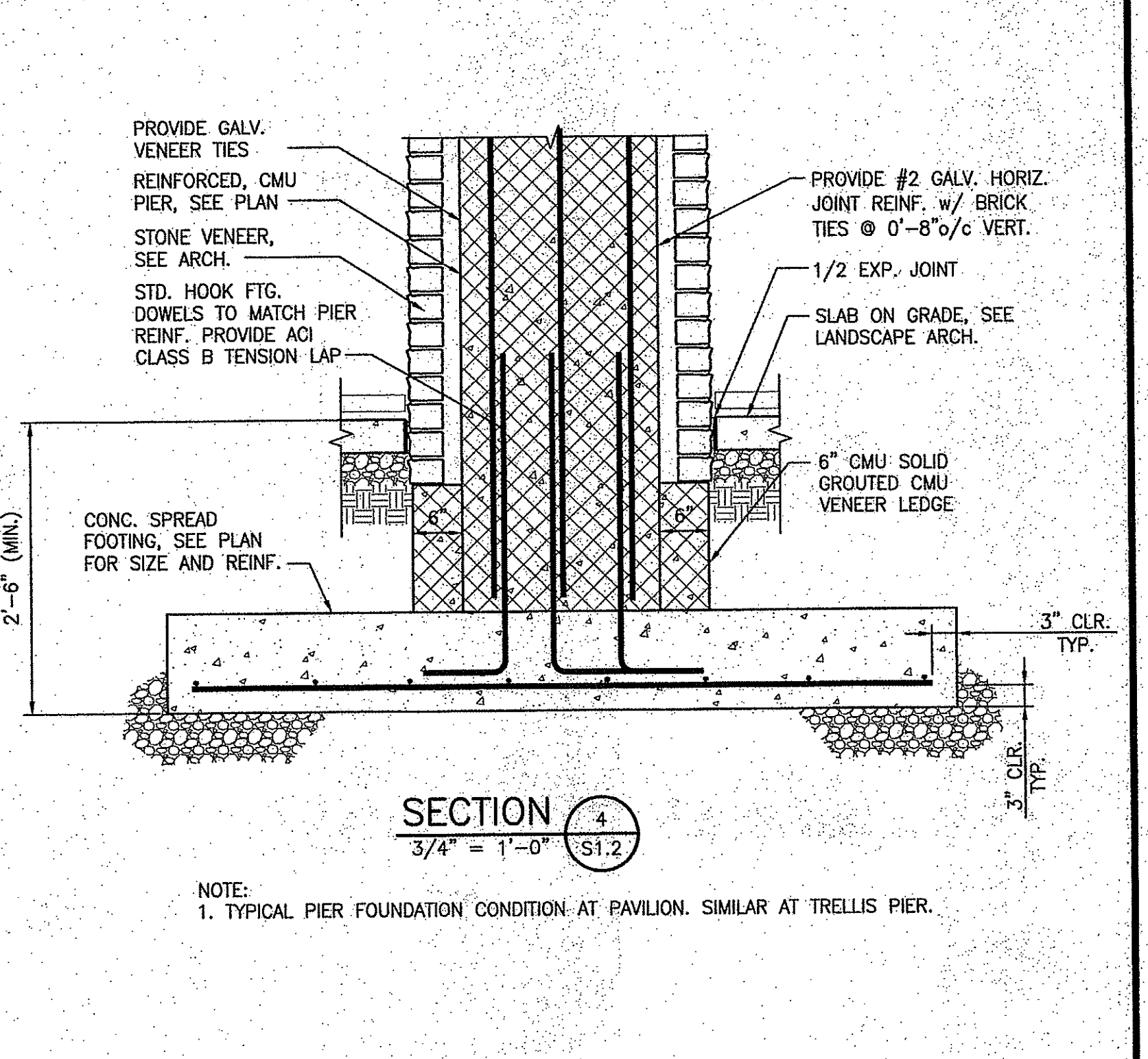
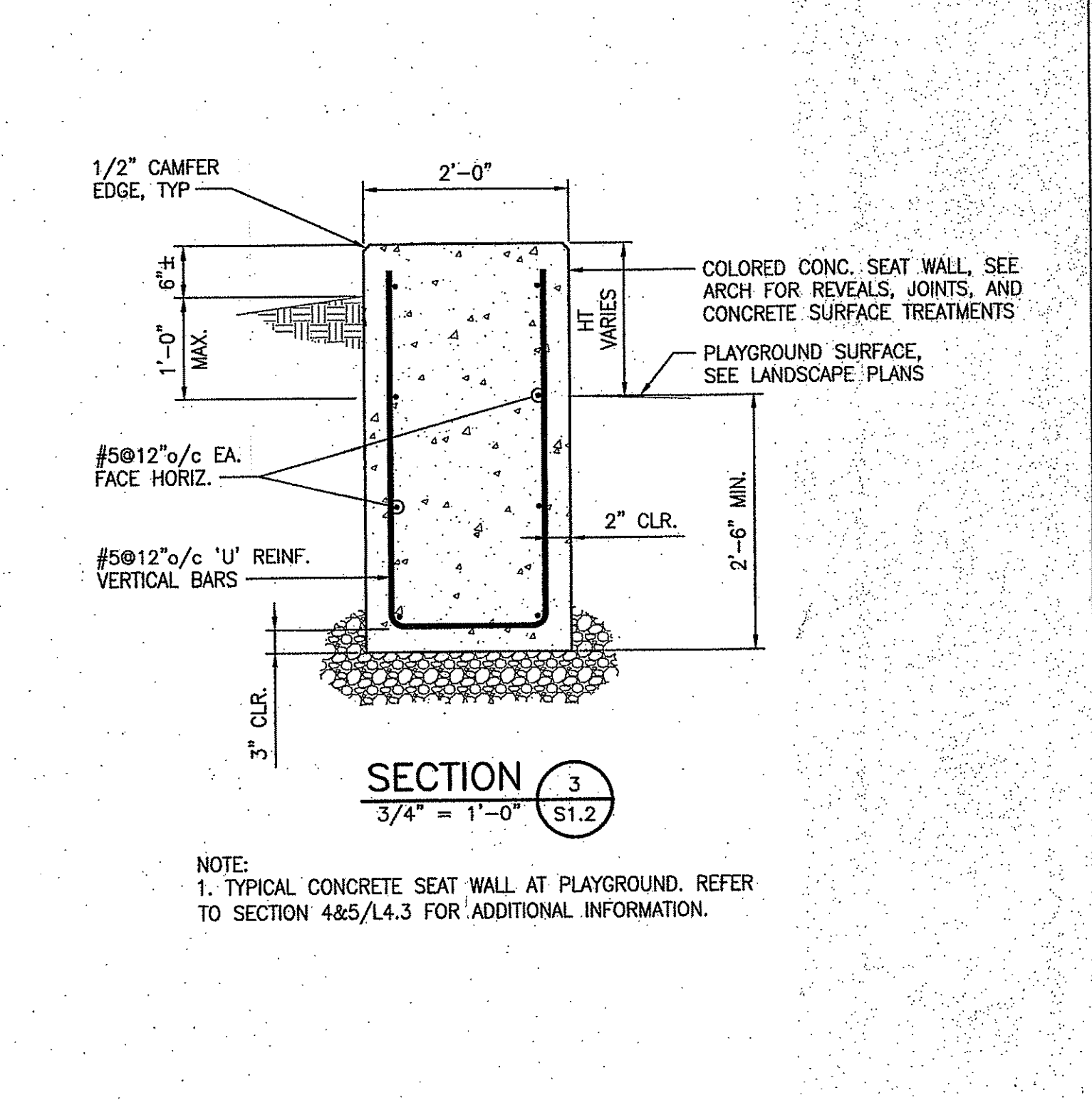
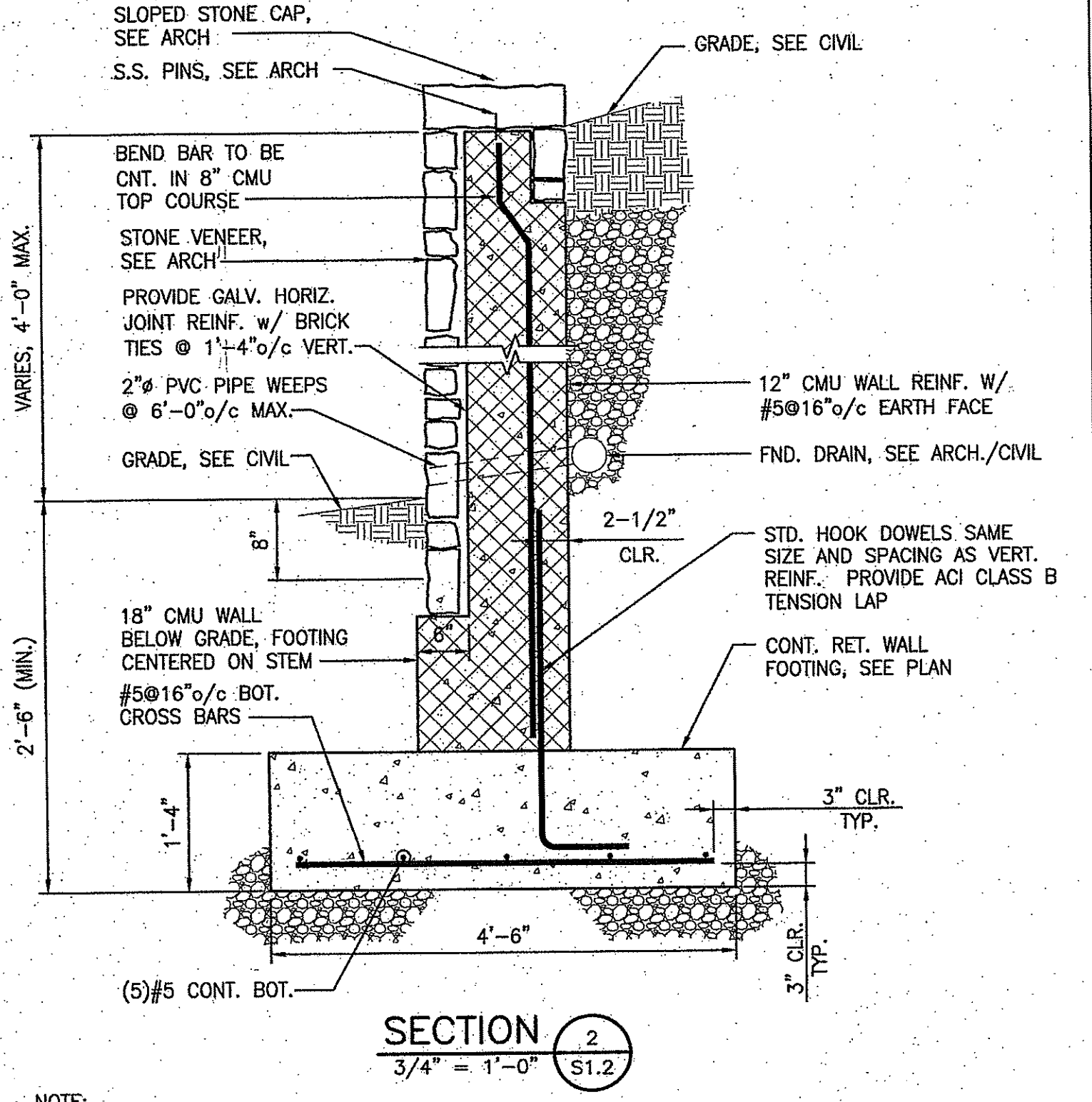
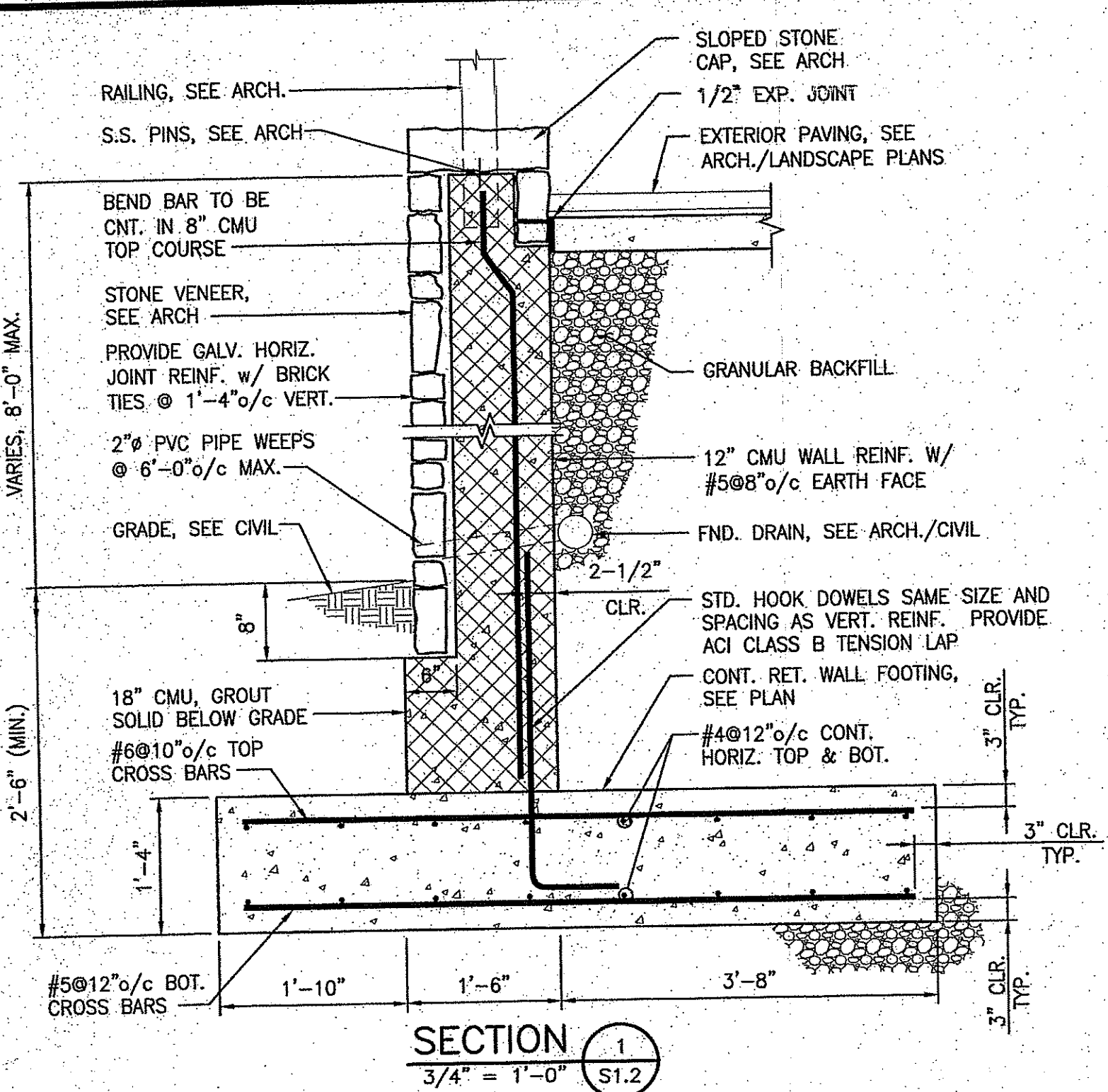
The Maryland-National Capital Park and Planning Commission
Montgomery County Department of Parks
9500 Brunnet Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL
Project Manager
Date
Design Manager
Date
Park Manager
Date

ISSUED FOR PROCUREMENT ON
REVISONS
Rev. No. Date Description

GREENBRIAR LOCAL PARK STRUCTURAL FOUNDATION AND FRAMING PLAN
Liber Folio
SCALE: AS SHOWN
DWG. # _____ of _____
S1.1
SHT. # 45 of 79

FINAL SCANNED: PARK CODE: C10 2012/12/01 00:00 MNCPPC Greenbriar Park Drawings Structure S1.2.dwg S1.2 Printed By: Matt Payne, 5/28/2013 3:07 PM, HCL_normal.dwg



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License No. 21165
Expiration Date 3/13/2014

The Maryland-National Capital Park and Planning Commission

Montgomery County Department of Parks
9500 Brunnet Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL		ISSUED FOR PROCUREMENT ON	
Project Manager	Date	Rev. No.	Date
Urda Komar	8/1/13		
Construction Manager	Date		
Park Manager	Date		

GREENBRIAR LOCAL PARK

SECTIONS

DWG. # _____ of _____

S1.2

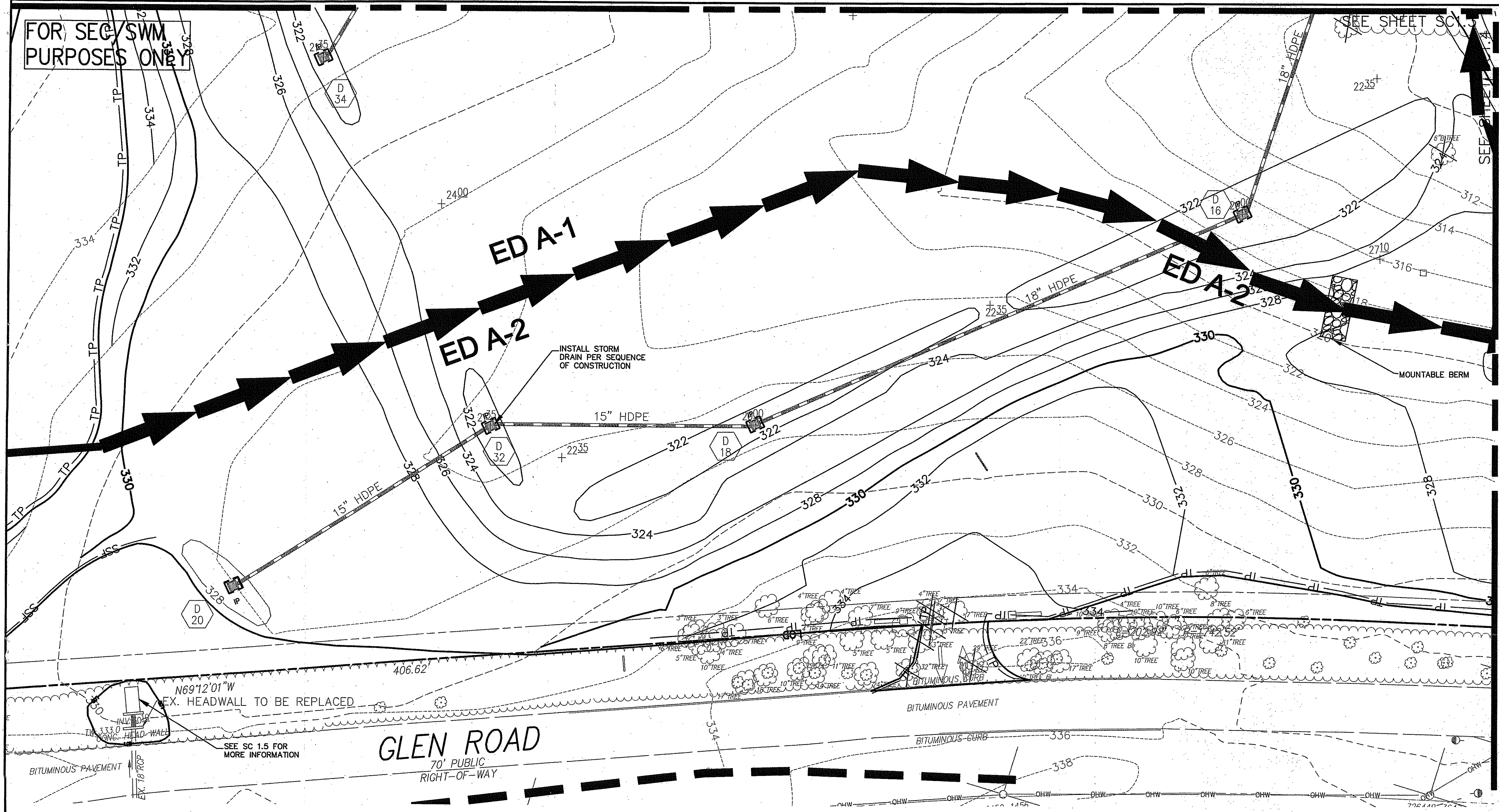
SHT. # 46 of 79

SCALE: AS SHOWN

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FOR SEC/SWM
PURPOSES ONLY

SEE SHEET SC1.3



LEGEND

STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM	SC1
LIMITS OF DISTURBANCE	LD
SUPER SILT FENCE	SSF
EARTH DIKE	ED A-2
INLET PROTECTION	IP
TREE PROTECTION FENCE AND 24" FILTER LOGS	TP/FL-24
TREE PROTECTION FENCE AND 18" FILTER LOGS	TP/FL-18
TREE PROTECTION FENCE	TP
ROOT PRUNING	RP
MOUNTABLE BERM	MB
ROUGH GRADING DRAINAGE DIVIDE	RD
EXISTING DRAINAGE DIVIDE	ED
PROPOSED ROOT AERATION MATTING	RAM
RIPRAP INFLOW PROTECTION	RIP
SOODING	S
CONCRETE WASHOUT STRUCTURE	CWS
EXISTING TREE TO REMAIN	ET
EXISTING TREE TO BE REMOVED	ETR

NOTICE

"FOR LOCATION OF UTILITIES CALL 8-1-1 or 1-800-257-7777 OR LOG ON TO www.call811.com or http://www.misutility.net 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY"

The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation. The excavator is responsible for compliance with requirements of Chapter 55A of the Montgomery County Code.

M.C.D.P.S. APPROVED FOR:

Stormwater Management:
Onsite ESD

Reviewed *WRC* 4/30/13 Date
Approved *WRC* 4-30-2013 Date
S.M. FILE NO. 241350

Sediment Control Technical Requirements

Reviewed *WRC* 4/30/13 Date
Approved *WRC* 4-30-2013 Date

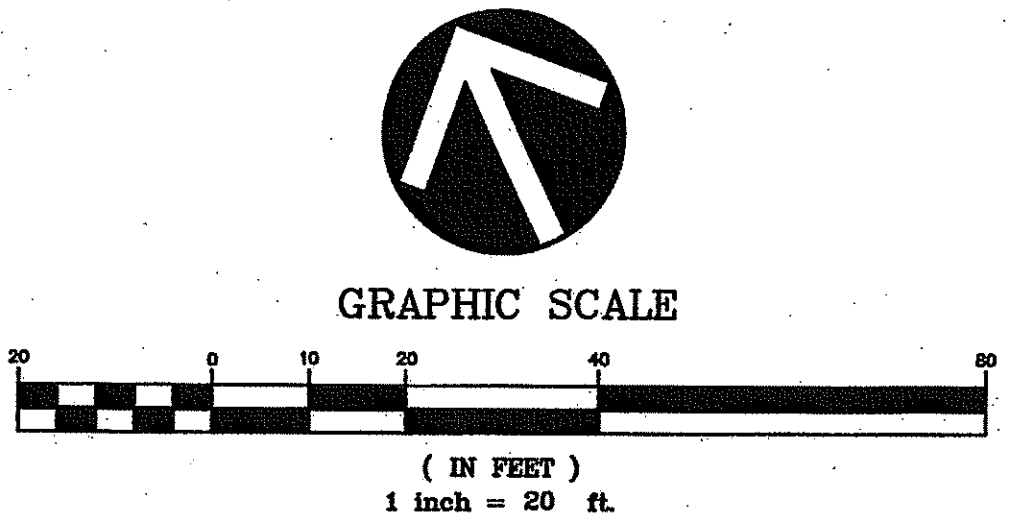
Administrative Requirements:

Reviewed *WRC* 4/30/13 Date
2413069 SEDIMENT CONTROL PERMIT NO.

NOTE

MCDPS APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED UNLESS THE PERMIT HAS BEEN EXTENDED.

THIS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT.



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VIFA

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VIFA MARYLAND, LLC
20251 CENTURY BOULEVARD ■ SUITE 400 ■ GERMANTOWN, MARYLAND 20874
(301) 861-4500 ■ FAX (301) 861-2282
GERMANTOWN, MD ■ MILEAN, VA

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

License No. 27721
Expiration Date 07-19-2014

The Maryland-National Capital Park and Planning Commission

Montgomery County Department of Parks
9500 Brunet Avenue
Silver Spring, Maryland 20901
(301) 493-2535

REVIEW AND APPROVAL

Project Manager	<i>WRC</i>
Date	4/26/13
Project Engineer	<i>WRC</i>
Date	4/26/13
Construction Manager	
Date	
Plan Manager	
Date	

ISSUED FOR PROCUREMENT ON

REVISIONS		
Rev. No.	Date	Description

SEDIMENT & EROSION CONTROL PLAN 1 FOR ROUGH GRADING PHASE GREENBRIAR LOCAL PARK

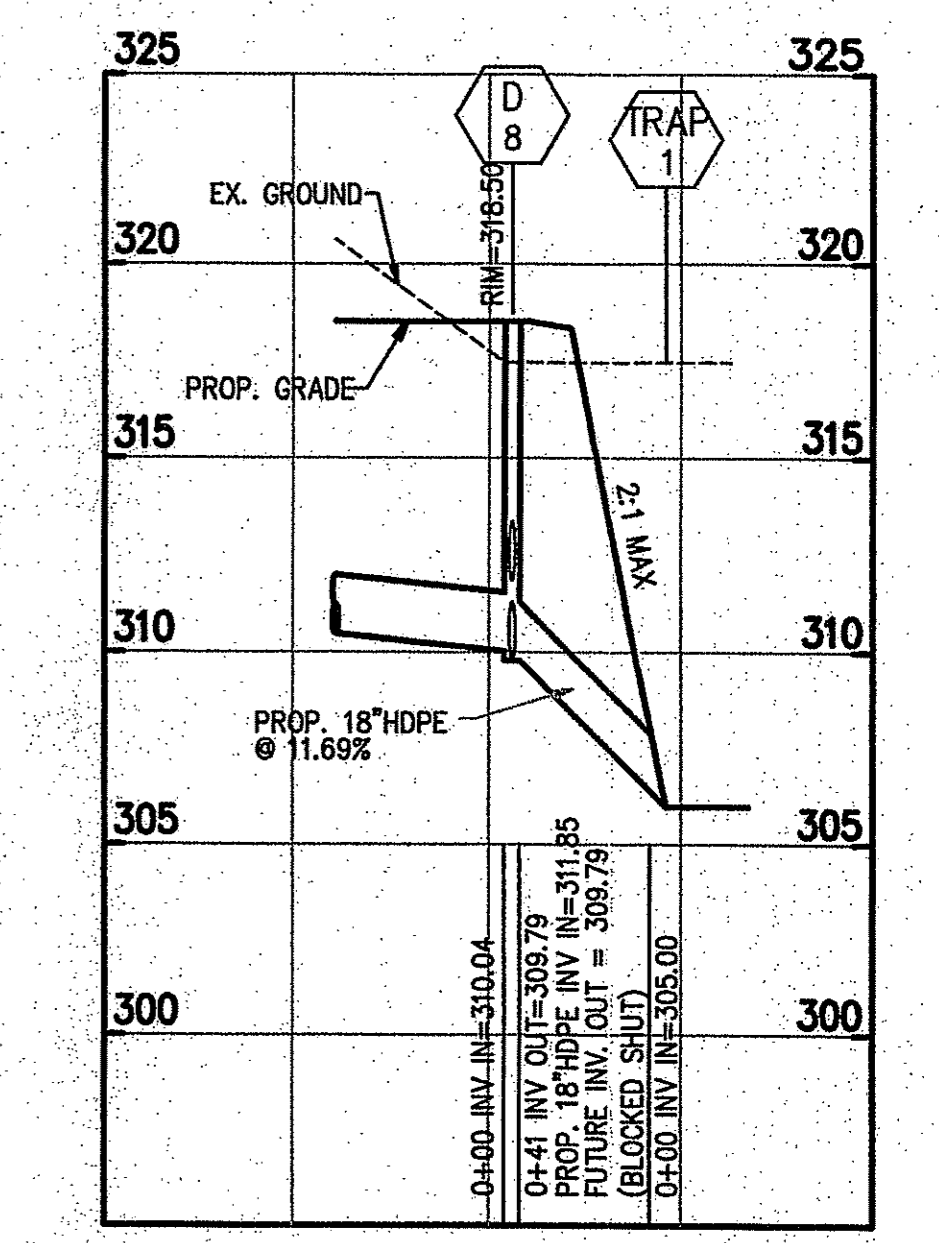
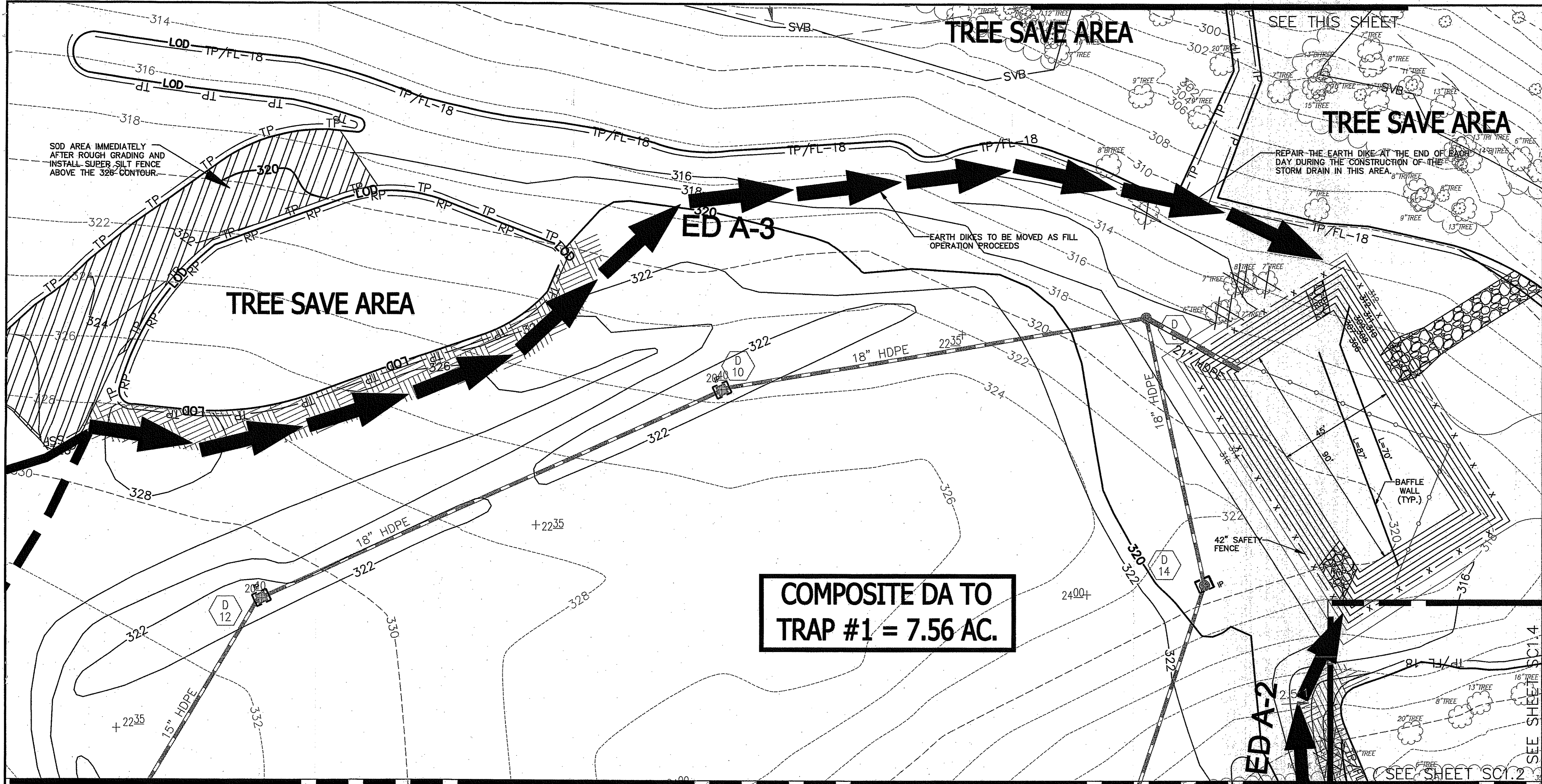
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Liber 10565 Folio 312

SCALE: 1"=20'

DWG. # 3 of 20
SC1.2
SHT. # 49 of 79

CREATED DATE: 10/06/09

S:\Vista\2013\Greenbriar\Construction documents\10565\10565-03-SSC.dwg - Apr 25, 2013 AT 16:00:01 AM



STRUCTURES D-8 TO TRAP-1
SCALE: HORIZ. 1"=50'
VERT. 1"=5'

COMPOSITE DA TO TRAP #1 = 7.56 AC.

M.C.D.P.S. APPROVED FOR:
Stormwater Management:
Onsite ESD

Reviewed *WPC* 4/30/13 Date
Approved *WPC* 4-30-2013 Date
241350
1.5M FILE NO.

Sediment Control Technical Requirements
Reviewed *WPC* 4/30/13 Date
Approved *WPC* 4-30-2013 Date
243069
SEDIMENT CONTROL PERMIT NO.

Administrative Requirements:
Reviewed *WPC* 4/30/13 Date
243069
SEDIMENT CONTROL PERMIT NO.

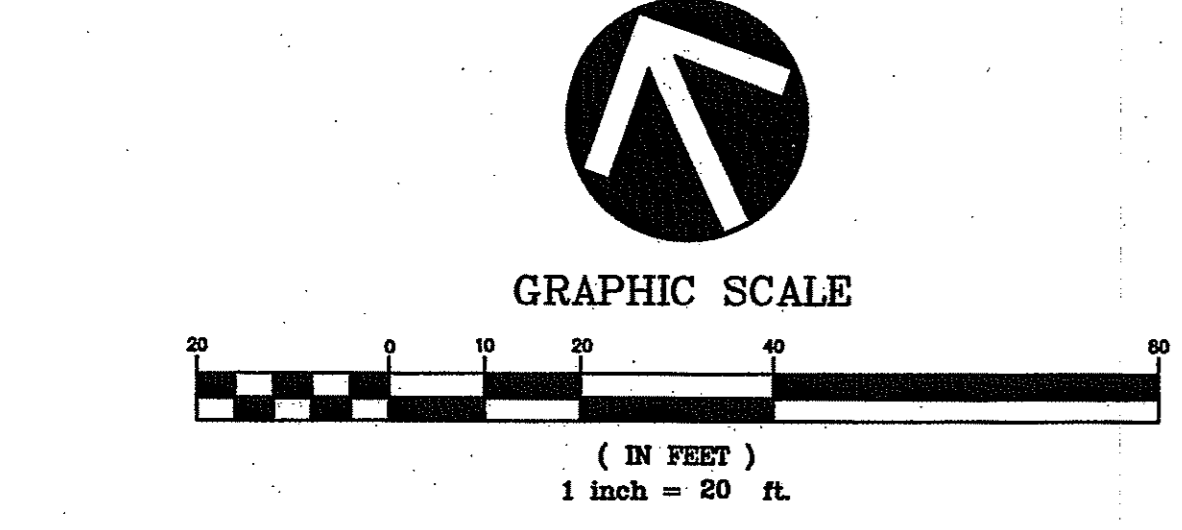
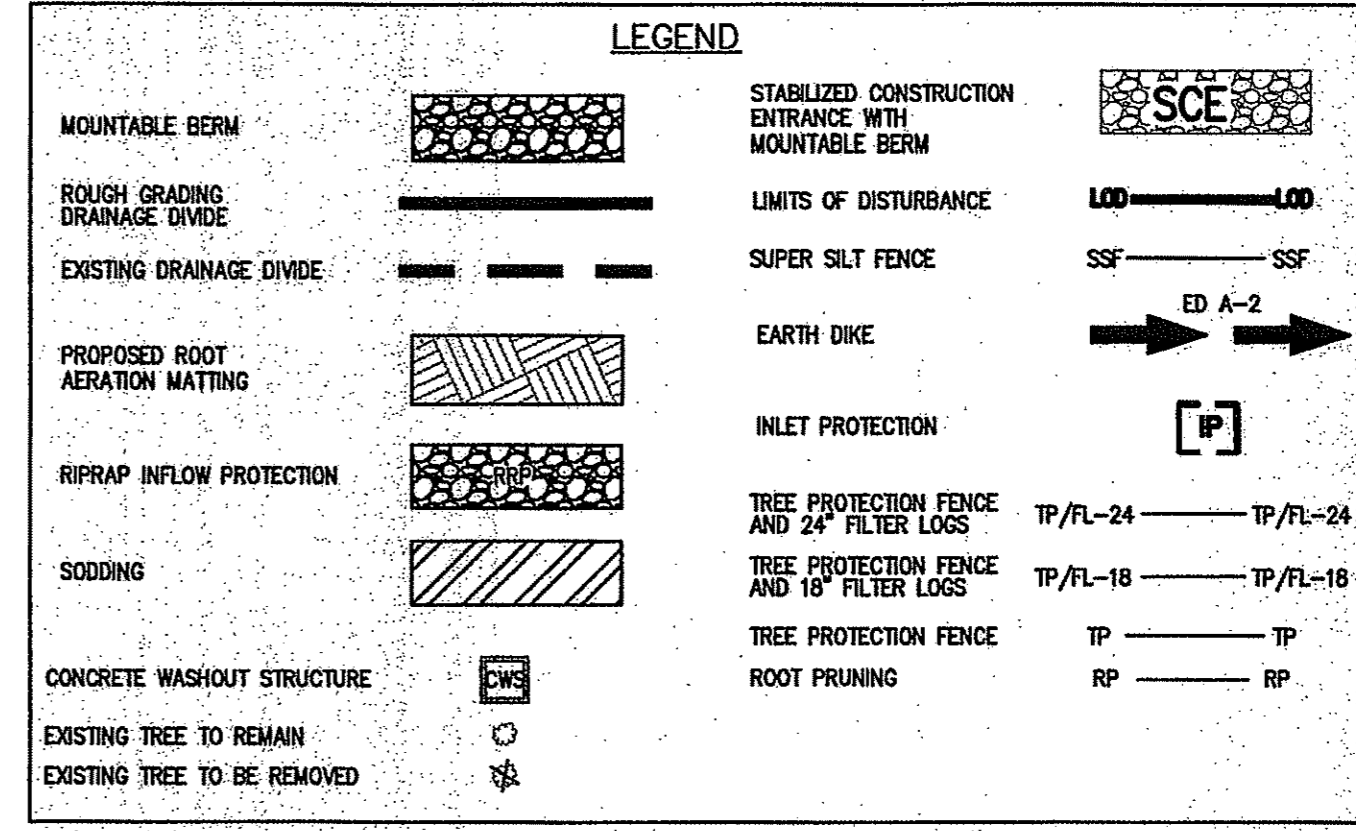
NOTE
MCDPS APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED UNLESS THE PERMIT HAS BEEN EXTENDED.

THIS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT.

STONE/RIPRAP OUTLET SEDIMENT TRAP ST-III TRAP #1 SUMMARY TABLE

DRAINAGE AREA - INITIAL*	4.09	ACRES
DRAINAGE AREA - INTERM	6.22	ACRES
DRAINAGE AREA - FINAL	7.56	ACRES
VOLUME REQUIRED	27,216	CF
VOLUME PROVIDED	27,670	CF
WET STORAGE REQUIRED	13,608	CF
WET STORAGE PROVIDED	13,835	CF
DRY STORAGE REQUIRED	13,608	CF
DRY STORAGE PROVIDED	13,835	CF
WET STORAGE ELEVATION	309	FT
BOTTOM ELEVATION	306	FT
BOTTOM DIMENSION	45 X 90	FT X FT
WEIR LENGTH	12	FT
DRY STORAGE/WEIR CREST ELEVATION	311	FT
CLEANOUT ELEVATION	307.5	FT
TOP OF EMBANKMENT ELEVATION	312	FT
SIDE SLOPES	2:1	H:V RATIO
EMBANKMENT TOP WIDTH	4	FT
OUTLET PROTECTION - LENGTH	10	FT
OUTLET PROTECTION - DEPTH	19	IN

*THE SEDIMENT CONTROL AREA WAS EVALUATED IN THE EXISTING AND PROPOSED CONDITIONS. THE SEDIMENT TRAP WAS DESIGNED FOR THE WORST-CASE CONDITION, WHICHEVER YIELDED THE LARGEST AREA.



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GERMANTOWN, MD 20874

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License No. 27721
Expiration Date 07-19-2014

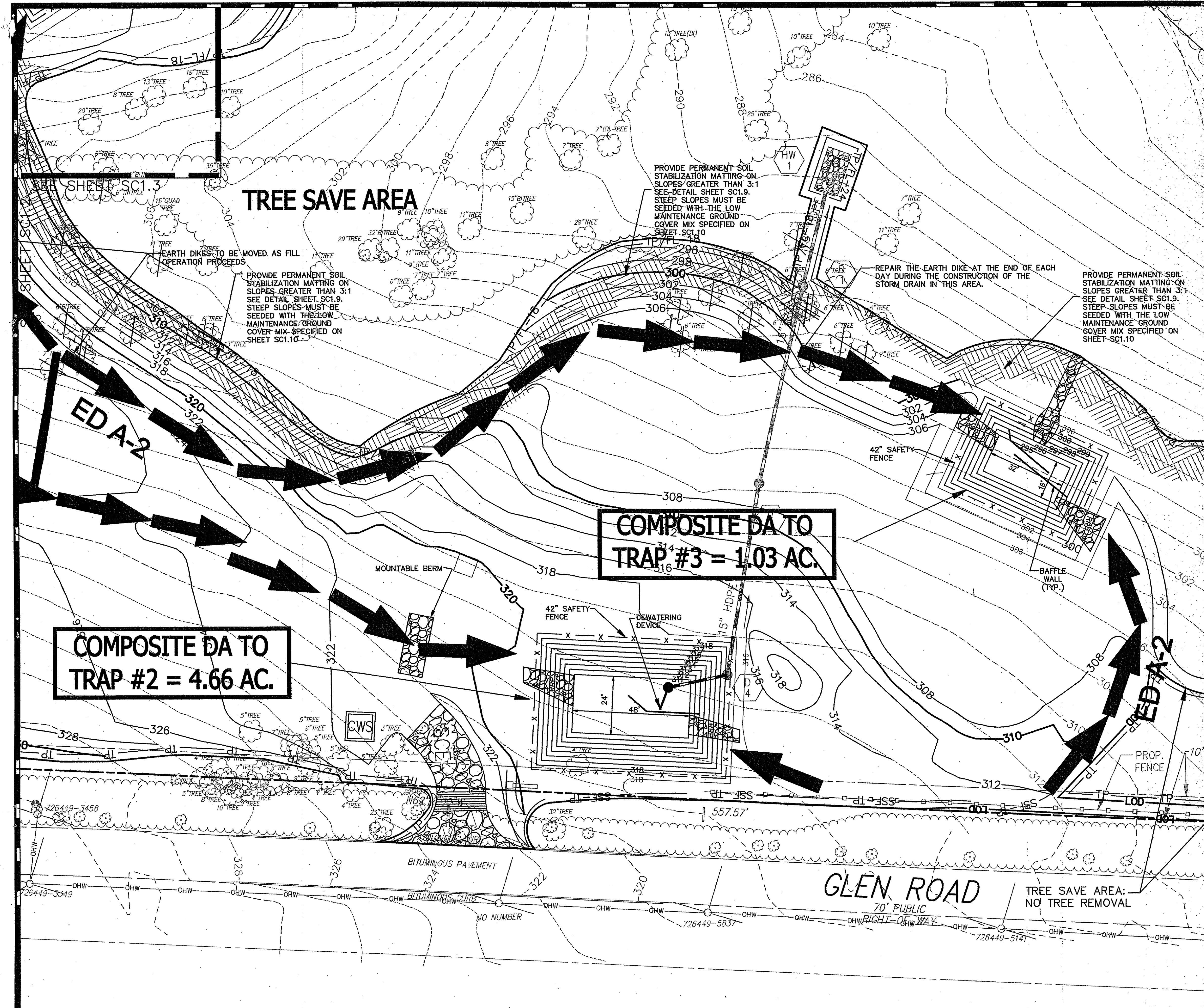
The Maryland-National Capital Park and Planning Commission
Montgomery County Department of Parks
9500 Brunnet Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL
Project Manager Date 4/26/13
Project Engineer Date 4/26/13
Construction Manager Date
Park Manager Date

ISSUED FOR PROCUREMENT ON
REVISED
Rev. No. Date Description

SEDIMENT & EROSION CONTROL PLAN 2 FOR ROUGH GRADING PHASE GREENBRIAR LOCAL PARK
Liber 10551 Folio 180
Liber 10551 Folio 183
Liber 10565 Folio 312
SCALE: 1"=20'

DWG. # 4 of 20
SHT. # 50 of 79
SC1.3



STONE/RIPRAP OUTLET SEDIMENT TRAP ST-III TRAP #3 SUMMARY TABLE

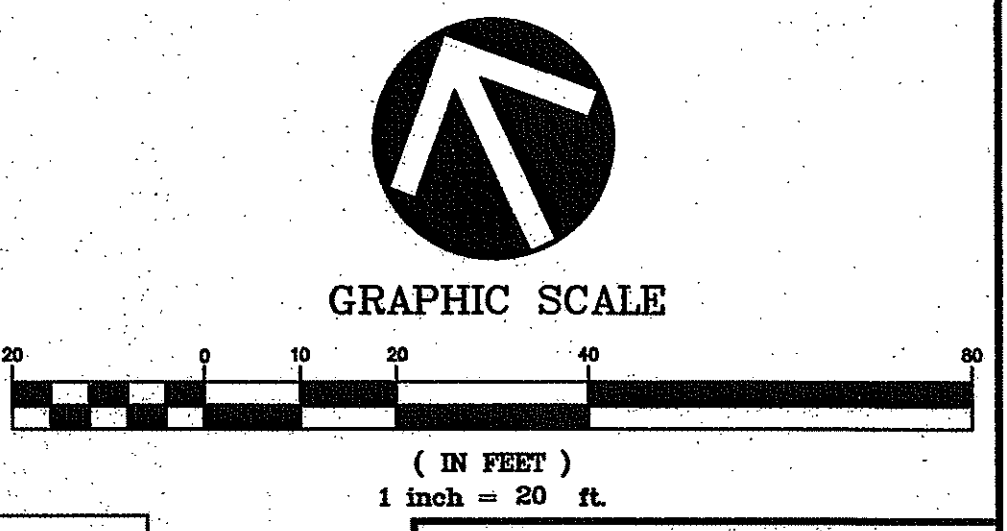
DRAINAGE AREA - INITIAL*	1.03	ACRES
DRAINAGE AREA - INTERM	1.03	ACRES
DRAINAGE AREA - FINAL	1.03	ACRES
VOLUME REQUIRED	3708	CF
VOLUME PROVIDED	3,936	CF
WET STORAGE REQUIRED	1854	CF
WET STORAGE PROVIDED	1,968	CF
DRY STORAGE REQUIRED	1854	CF
DRY STORAGE PROVIDED	1,968	CF
WET STORAGE ELEVATION	297.5	FT
BOTTOM ELEVATION	295	FT
BOTTOM DIMENSION	16 X 32	FT X FT
WEIR LENGTH	5	FT
DRY STORAGE/WEIR CREST ELEVATION	299	FT
CLEANOUT ELEVATION	295.25	FT
TOP OF EMBANKMENT ELEVATION	300	FT
SIDE SLOPES	2:1	H:V RATIO
EMBANKMENT TOP WIDTH	4	FT
OUTLET PROTECTION - LENGTH	10	FT
OUTLET PROTECTION - DEPTH	19	IN

LEGEND

STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM	SCS
LIMITS OF DISTURBANCE	LOD
SUPER SILT FENCE	SSF
EARTH DIKE	ED A-2
INLET PROTECTION	IP
TREE PROTECTION FENCE AND 24" FILTER LOGS	TP/FL-24
TREE PROTECTION FENCE AND 18" FILTER LOGS	TP/FL-18
TREE PROTECTION FENCE	TP
ROOT PRUNING	RP
MOUNTABLE BERM	MB
ROUGH GRADING DRAINAGE DIVIDE	RD
EXISTING DRAINAGE DIVIDE	ED
PROPOSED ROOT AERATION MATTING	RAM
RIPRAP INFLOW PROTECTION	RIP
SODDING	S
CONCRETE WASHOUT STRUCTURE	CWS
EXISTING TREE TO REMAIN	ET
EXISTING TREE TO BE REMOVED	ET*

*THE SEDIMENT CONTROL AREA WAS EVALUATED IN THE EXISTING AND PROPOSED CONDITIONS. THE SEDIMENT TRAP WAS DESIGNED FOR THE WORST-CASE CONDITION, WHICHEVER YIELDED THE LARGEST AREA.

FOR LOCATION OF UTILITIES CALL 8-1-1 OR 1-800-257-7777 OR LOG ON TO www.call811.com OR <http://www.missutility.net> 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY.



PIPE OUTLET SEDIMENT TRAP ST-I TRAP #2 SUMMARY TABLE

DRAINAGE AREA - INITIAL*	4.66*	ACRES
DRAINAGE AREA - INTERM	4.66*	ACRES
DRAINAGE AREA - FINAL	4.66*	ACRES
VOLUME REQUIRED	16,776	CF
VOLUME PROVIDED	16,954	CF
WET STORAGE REQUIRED	8,388	CF
WET STORAGE PROVIDED	8,477	CF
DRY STORAGE REQUIRED	8,388	CF
DRY STORAGE PROVIDED	8,477	CF
BOTTOM ELEVATION	310	FT
BOTTOM DIMENSION	24 X 48	FT X FT
DRY STORAGE/WEIR CREST ELEVATION	317	FT
WET STORAGE ELEVATION	314	FT
CLEANOUT ELEVATION	312	FT
TOP OF EMBANKMENT ELEVATION	318	FT
SIDE SLOPES	2:1	H:V RATIO
EMBANKMENT TOP WIDTH	4	FT
PRINCIPAL SPILLWAY MATERIAL (BARREL, RISER, ANTI-SEEP COLLAR)		
RISER DIAMETER	42	IN
BARREL DIAMETER	30	IN
TRASH RACK DIAMETER	60	IN
TRASH RACK HEIGHT	27	IN
ANTI-SEEP COLLAR DIMENSIONS	6.5 X 6.5	FT
OUTLET PROTECTION - LENGTH	10 (11)	FT
OUTLET PROTECTION - WIDTH	12	FT
OUTLET PROTECTION - DEPTH	19	IN

M.C.D.P.S. APPROVED FOR:

Stormwater Management:
Onsite ESD

Reviewed: *WKE* 4/30/13 Date
Approved: *WKE* 4-30-2013 Date
S.M. FILE NO. 241350

Sediment Control Technical Requirements
Reviewed: *WKE* 4/30/13 Date
Approved: *WKE* 4-30-2013 Date

Administrative Requirements:
Reviewed: *WKE* 4/30/13 Date
Approved: *WKE* 4-30-2013 Date
SEDIMENT CONTROL PERMIT NO. 243084

*THE SEDIMENT CONTROL AREA WAS EVALUATED IN THE EXISTING AND PROPOSED CONDITIONS. THE SEDIMENT TRAP WAS DESIGNED FOR THE WORST-CASE CONDITION, WHICHEVER YIELDED THE LARGEST AREA.

FOR SEC/SWM PURPOSES ONLY

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410 837 4800 fax
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VIFA
VIRGINIA FLOOD CONTROL ASSOCIATION
20251 CENTURY BOULEVARD SUITE 400 GERMANTOWN, MARYLAND 20874
CONTACT: 410 874 0018 FAX: 410 874 0019
WWW.VIFA.ORG

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 27721
Expiration Date 07-19-2014

The Maryland-National Capital Park and Planning Commission
Montgomery County Department of Parks
9500 Brunetti Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL

Project Manager	Date	4/26/13
Project Engineer	Date	4/26/13
Construction Manager	Date	
Park Manager	Date	

ISSUED FOR PROCUREMENT ON

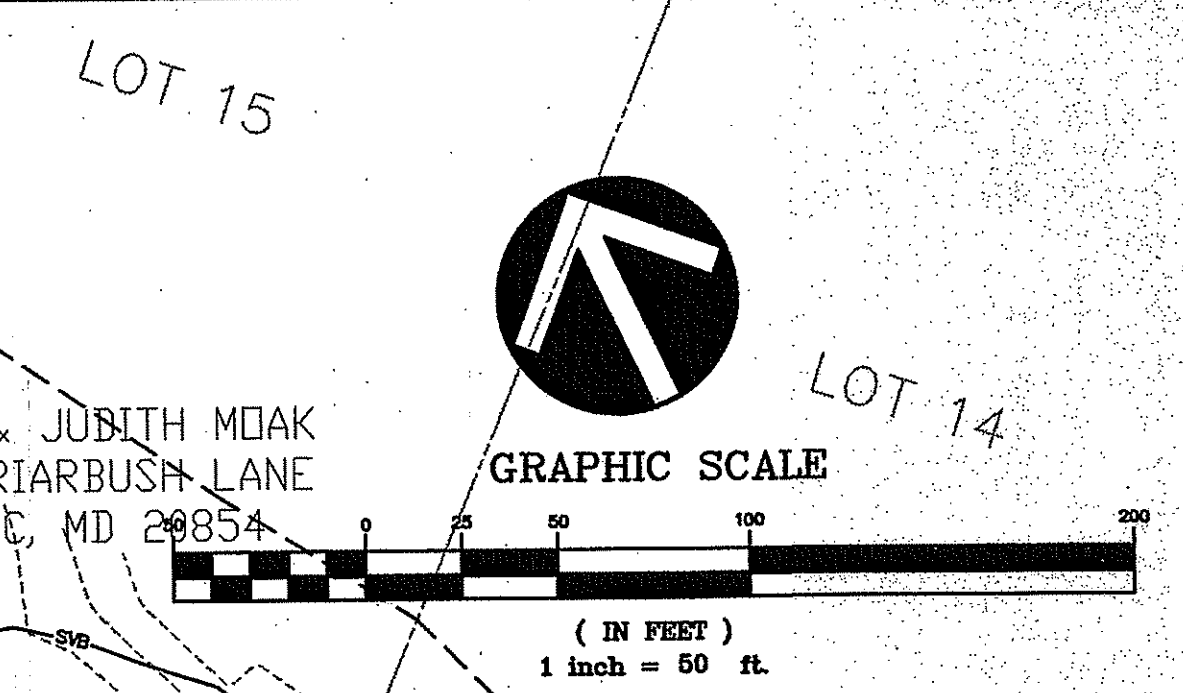
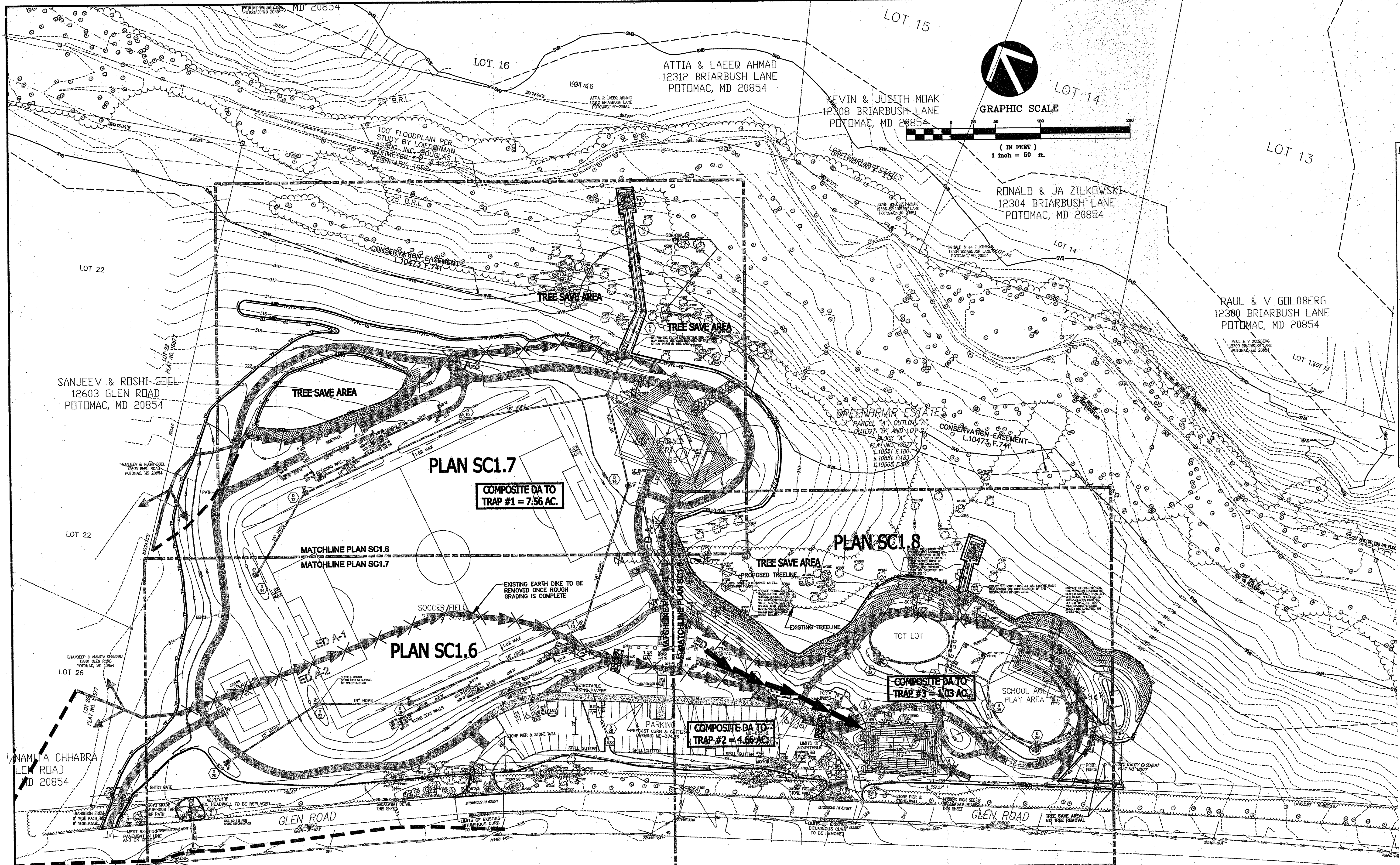
REV. NO.	DATE	DESCRIPTION

SEDIMENT & EROSION CONTROL PLAN 3 FOR ROUGH GRADING
PHASE GREENBRIAR LOCAL PARK
Liber 10551 Folio 180
Liber 10551 Folio 183
Liber 10565 Folio 312

DWG. # 5 of 20
SC1.4
SHT. # 51 of 79

CREATED DATE: 10/08/09

SCALE: 1"=20'



LEGEND

STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM	
LIMITS OF DISTURBANCE	
SUPER SILT FENCE	
EARTH DIKE	
INLET PROTECTION	
TREE PROTECTION FENCE AND 24" FILTER LOGS	
TREE PROTECTION FENCE AND 18" FILTER LOGS	
TREE PROTECTION FENCE	
ROOT PRUNING	
MOUNTABLE BERM	
ROUGH GRADING DRAINAGE DIVIDE	
EXISTING DRAINAGE DIVIDE	
PROPOSED ROOT AERATION MATTING	
RIPRAP INFLOW PROTECTION	
SOODING	
CONCRETE WASHOUT STRUCTURE	
EXISTING TREE TO REMAIN	
EXISTING TREE TO BE REMOVED	

M.C.D.P.S. APPROVED FOR:

Stormwater Management:
Onsite ESD

Reviewed *[Signature]* 4/30/13 Date
Approved *[Signature]* 4/30/13 Date
241350 S.M. FILE NO.

Sediment Control Technical Requirements
Reviewed *[Signature]* 4/30/13 Date
Approved *[Signature]* 4/30/13 Date

Administrative Requirements:
Reviewed *[Signature]* 4/30/13 Date
243064
SEDIMENT CONTROL PERMIT NO.

NOTE
MCDPS APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED UNLESS THE PERMIT HAS BEEN EXTENDED.
THIS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT.

NOTE: PRIOR TO VEGETATIVE STABILIZATION, ALL DISTURBED AREAS MUST BE TOPSOILED PER THE MONTGOMERY COUNTY "STANDARDS AND SPECIFICATIONS FOR TOPSOIL"

FOR SEC/SWM PURPOSES ONLY

FOR LOCATION OF UTILITIES CALL 8-1-1 OR 1-800-257-7777 OR LOG ON TO www.call811.com OR http://www.missutility.net 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY*

*The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation. The excavator is responsible for compliance with requirements of Chapter 36A of the Montgomery County Code.

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GREENBELT, MD GREENBELT, VA

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

License No. 27721
Expiration Date 07-19-2014

The Maryland-National Capital Park and Planning Commission

Montgomery County Department of Parks
9500 Brunett Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL

Project Manager	Date	<i>[Signature]</i>
Project Engineer	Date	<i>[Signature]</i> 4/26/13
Construction Manager	Date	
Park Manager	Date	

ISSUED FOR PROCUREMENT ON

REV. NO.	DATE	DESCRIPTION

OVERALL SEDIMENT & EROSION CONTROL PLAN FOR FINAL CONSTRUCTION PHASE GREENBRIAR LOCAL PARK

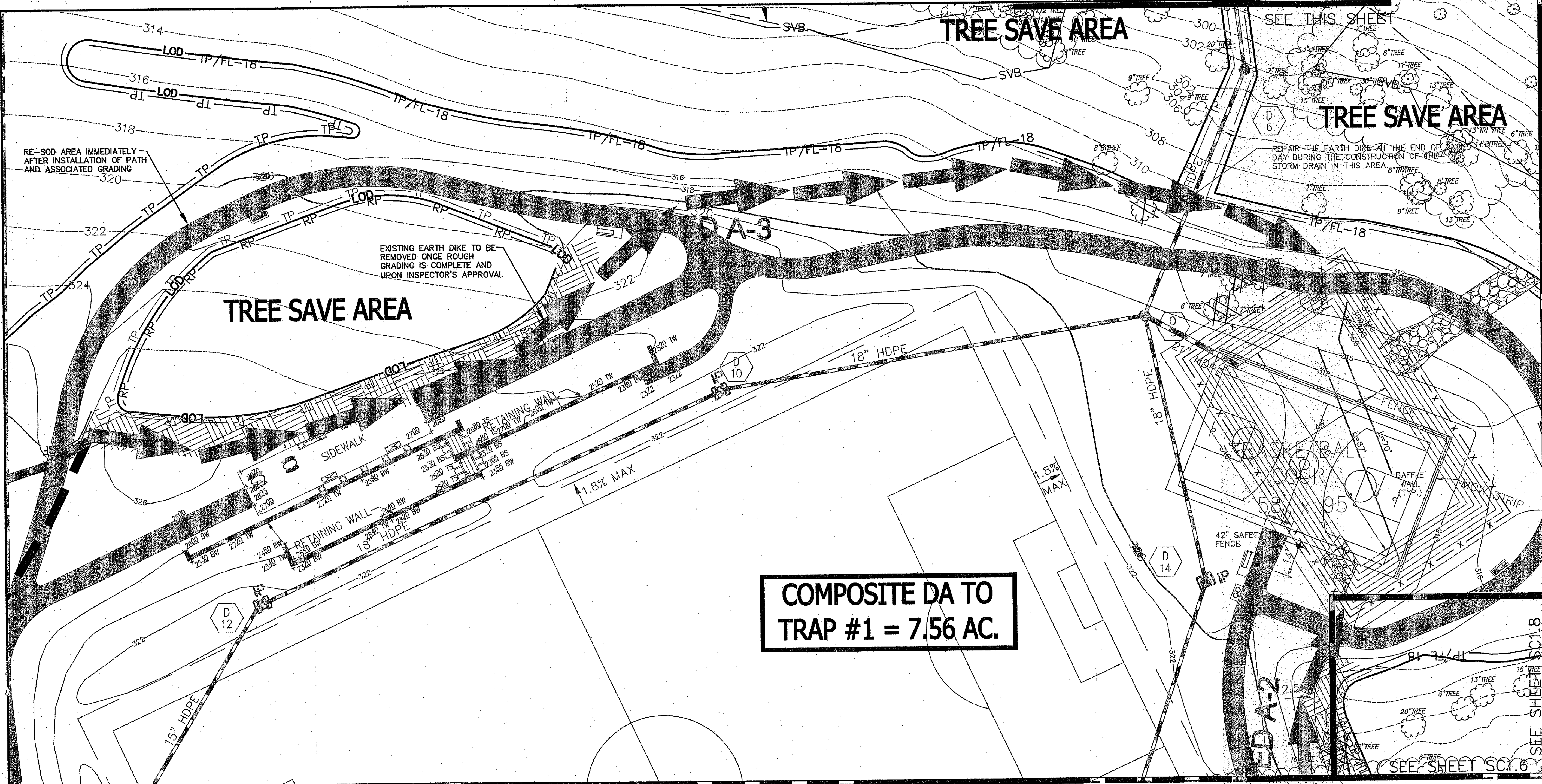
Liber 10551 Folio 180
Liber 10551 Folio 183
Liber 10565 Folio 312

SCALE: 1"=50'

DWG. # 6 of 20
SC1.5
SHT. # 52 of 79

CREATED DATE: 10/09/09

SCALE: 1"=50'



LEGEND

STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM	SC1
LIMITS OF DISTURBANCE	LOD
SUPER SILT FENCE	SSF
EARTH DIKE	ED A-2
INLET PROTECTION	IP
TREE PROTECTION FENCE AND 24\"/>	
TREE PROTECTION FENCE AND 18\"/>	
TREE PROTECTION FENCE	TP
ROOT PRUNING	RP
MOUNTABLE BERM	MB
ROUGH GRADING DRAINAGE DIVIDE	RD
EXISTING DRAINAGE DIVIDE	ED
PROPOSED ROOT AERATION MATTING	RAM
RIPRAP INFLOW PROTECTION	RIP
SODDING	SOD
CONCRETE WASHOUT STRUCTURE	CWS
EXISTING TREE TO REMAIN	ET
EXISTING TREE TO BE REMOVED	ETR

M.C.D.P.S. APPROVED FOR:

Stormwater Management:
Onsite ESD

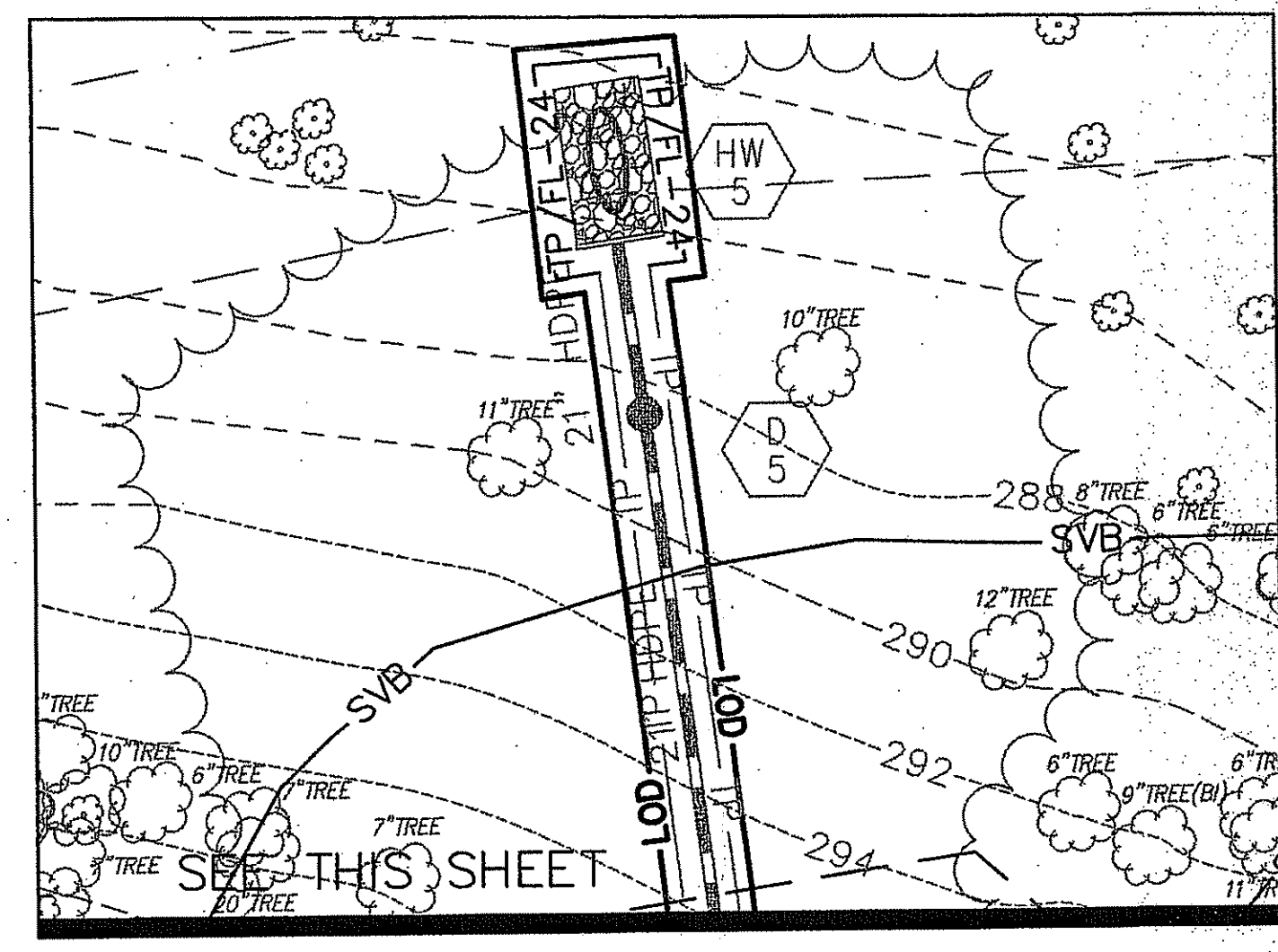
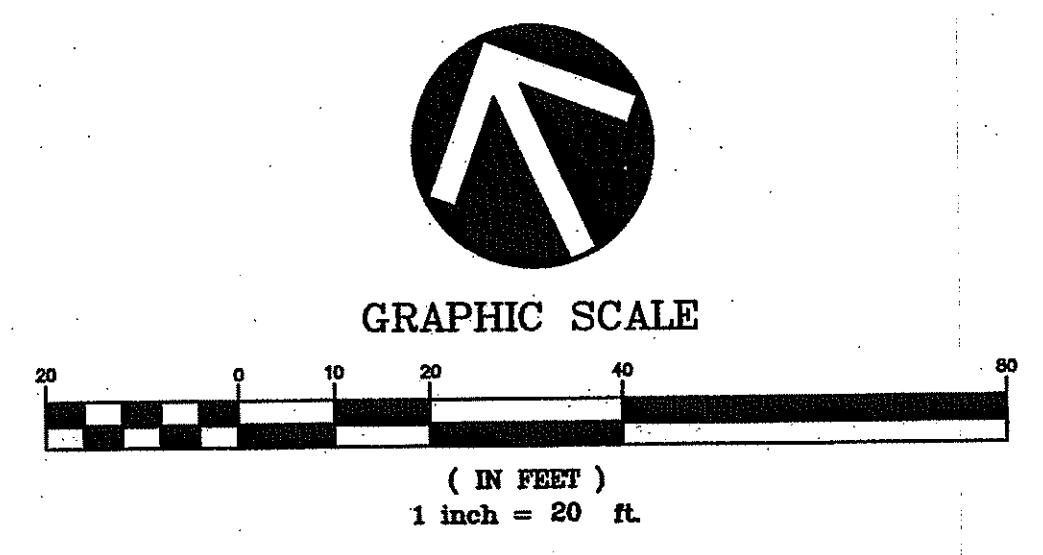
Reviewed: *[Signature]* 4/30/13 Date
Approved: *[Signature]* 4/30/2013 Date
S.M. FILE NO. 241350

Sediment Control Technical Requirements:
Reviewed: *[Signature]* 4/30/13 Date
Approved: *[Signature]* 4/30/2013 Date
S.M. FILE NO. 243064

Administrative Requirements:
Reviewed: *[Signature]* 4/30/13 Date
S.M. FILE NO. 243064

NOTE
MCDPS APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED UNLESS THE PERMIT HAS BEEN EXTENDED.

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www.hcm2.com

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DOWNSHIRE-HIGHWAY #24K 20780-2225
GERMANTOWN, MD MIDDLEVALE, VA

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License No. 27721
Expiration Date 07-19-2014

The Maryland-National Capital Park and Planning Commission
Montgomery County Department of Parks
9500 Brunnet Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL

Project Manager	Date	<i>[Signature]</i>
Project Engineer	Date	<i>[Signature]</i> 4/26/13
Construction Manager	Date	
Park Manager	Date	

ISSUED FOR PROCUREMENT ON

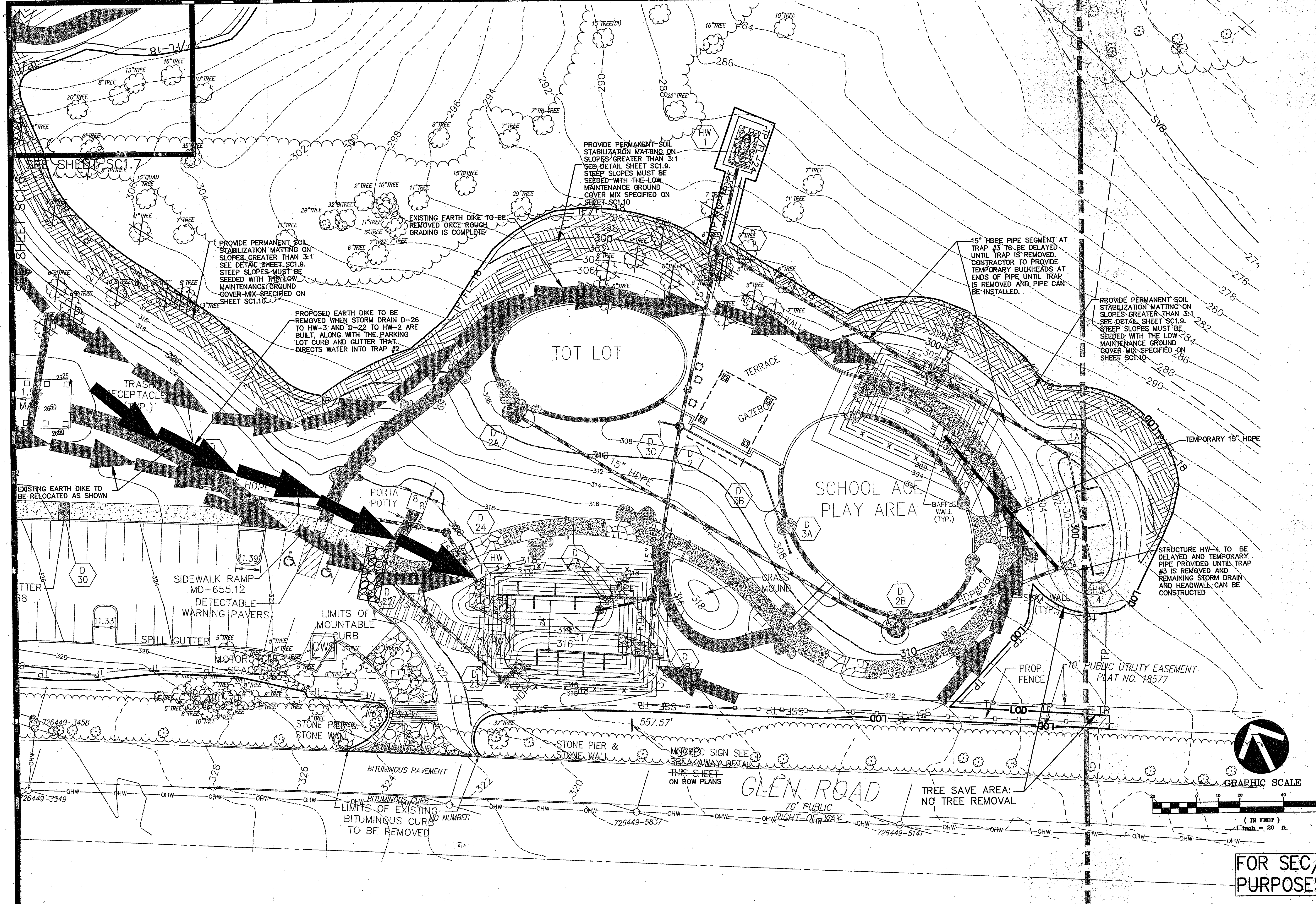
REV. NO.	DATE	DESCRIPTION

SEDIMENT & EROSION CONTROL
PLAN 2 FOR FINAL CONSTRUCTION PHASE
GREENBRIAR LOCAL PARK
Liber 10551 Folio 180
Liber 10551 Folio 183
Liber 10565 Folio 312
SCALE: 1"=20'

DWG. # 8 of 20
SC1.7
SHT. # 54 of 79

CREATED DATE: 10/09/09

DATE PLOTTED: 4/26/13 10:12:00 AM



LEGEND

STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM	SCF
LIMITS OF DISTURBANCE	LOD
SUPER SILT FENCE	SSF
EARTH DIKE	ED A-2
INLET PROTECTION	IP
TREE PROTECTION FENCE AND 24" FILTER LOGS	TP/FL-24
TREE PROTECTION FENCE AND 18" FILTER LOGS	TP/FL-18
TREE PROTECTION FENCE	TP
ROOT PRUNING	RP
MOUNTABLE BERM	MB
ROUGH GRADING DRAINAGE DIVIDE	RD
EXISTING DRAINAGE DIVIDE	ED
PROPOSED ROOT AERATION MATTING	RAM
RIPRAP INFLOW PROTECTION	RIP
SODDING	SOD
CONCRETE WASHOUT STRUCTURE	CWS
EXISTING TREE TO REMAIN	ET
EXISTING TREE TO BE REMOVED	ERT

"FOR LOCATION OF UTILITIES CALL 8-1-1 or 1-800-257-7777 OR LOG ON TO www.call811.com or http://www.misutility.net 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY"

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M.C.D.P.S. APPROVED FOR:

Stormwater Management:
Onsite ESD

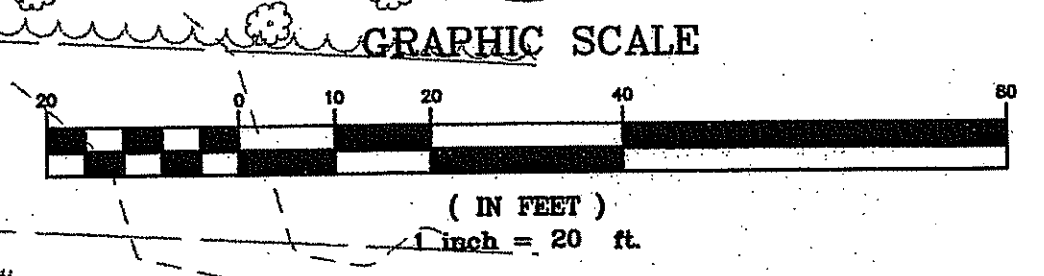
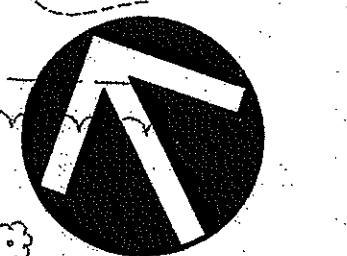
Reviewed: *WKE* 4/30/13 Date
Approved: *WKE* 4-30-2013 Date
S.M. FILE NO. 24350

Sediment Control Technical Requirements:
Reviewed: *WKE* 4/30/13 Date
Approved: *WKE* 4-30-2013 Date

Administrative Requirements:
Reviewed: *WKE* 4/30/13 Date
Approved: *WKE* 4-30-2013 Date
SEDIMENT CONTROL PERMIT NO. 243064

NOTE
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20251 CEDREY BOULEVARD # 2000 GAITHERSBURG, MARYLAND 20878
(301) 916-4100 FAX (301) 984-2282
GAITHERSBURG, MD GREENBELT, VA

Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 27721
Expiration Date 07-19-2014

The Maryland-National Capital Park and Planning Commission
Montgomery County Department of Parks
9500 Brunet Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL

Project Manager	Date
Project Engineer	4/26/13
Construction Manager	Date
Park Manager	Date

ISSUED FOR PROCUREMENT ON

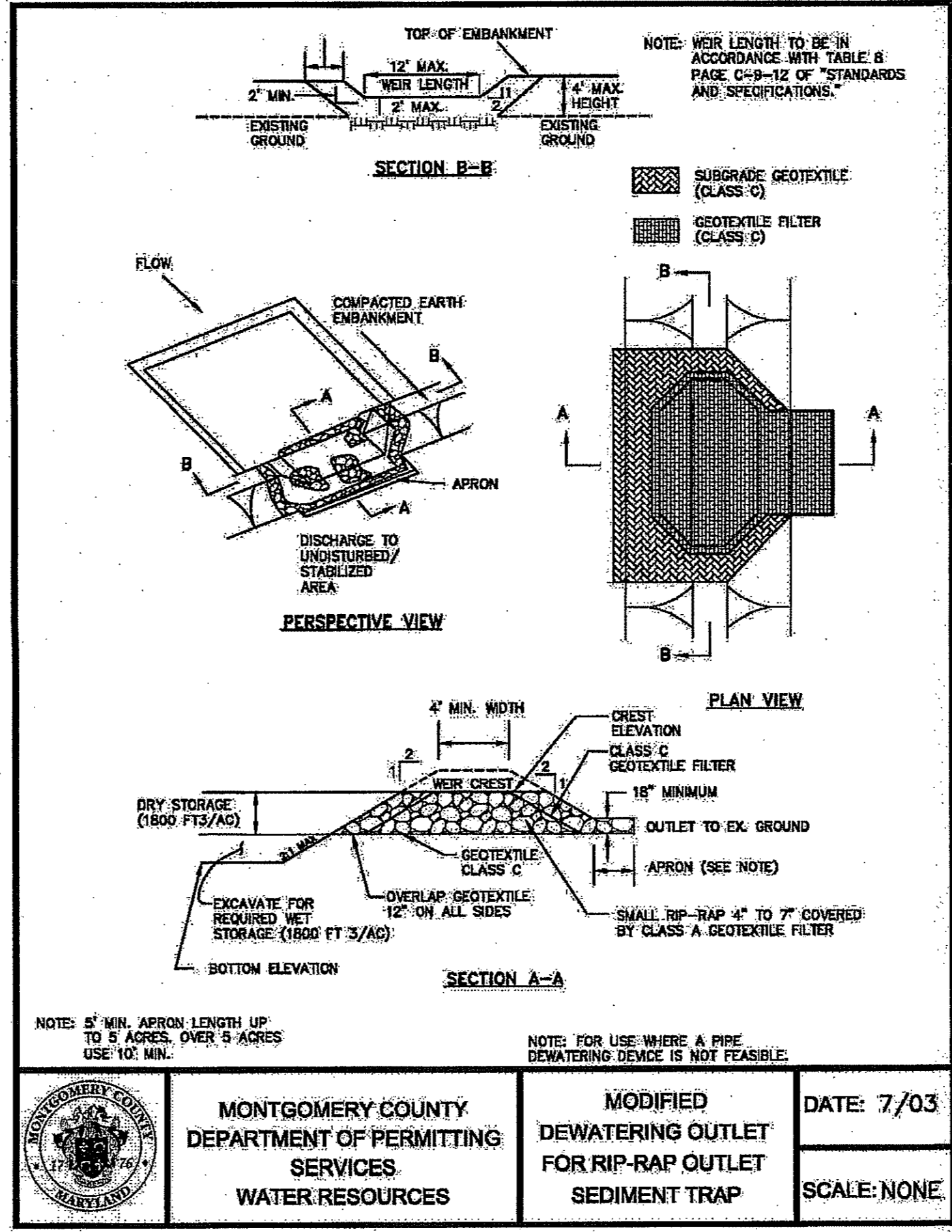
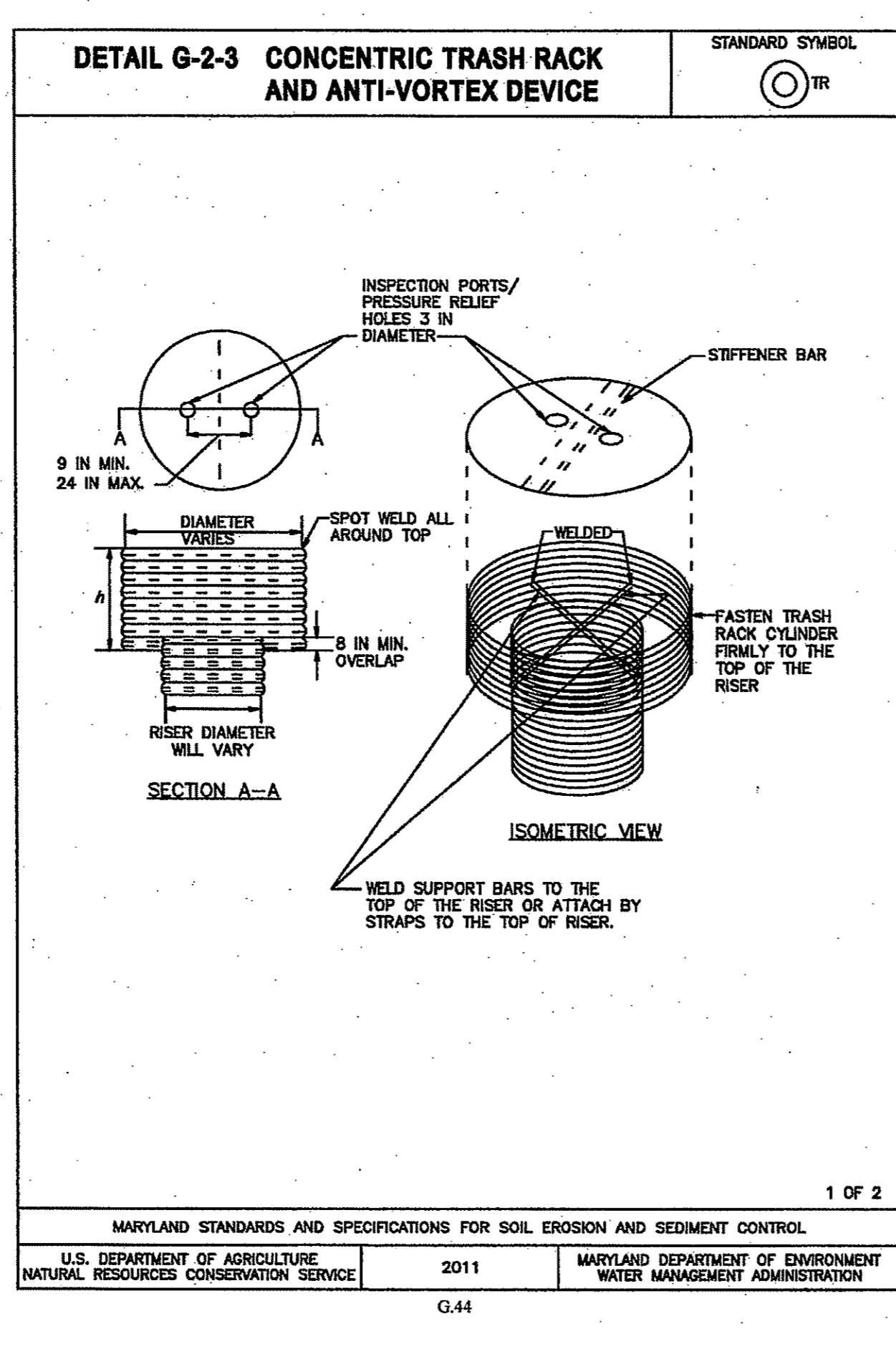
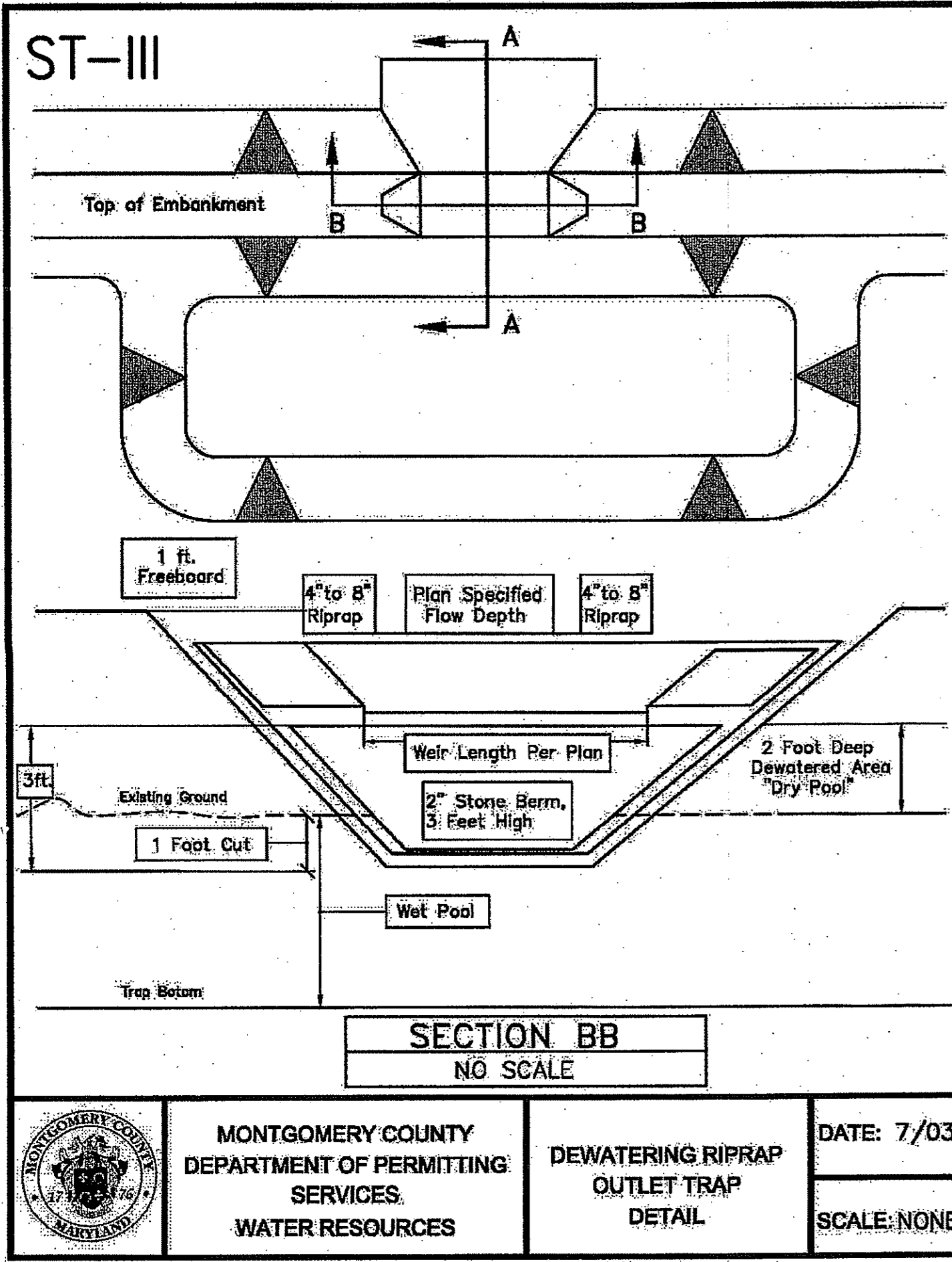
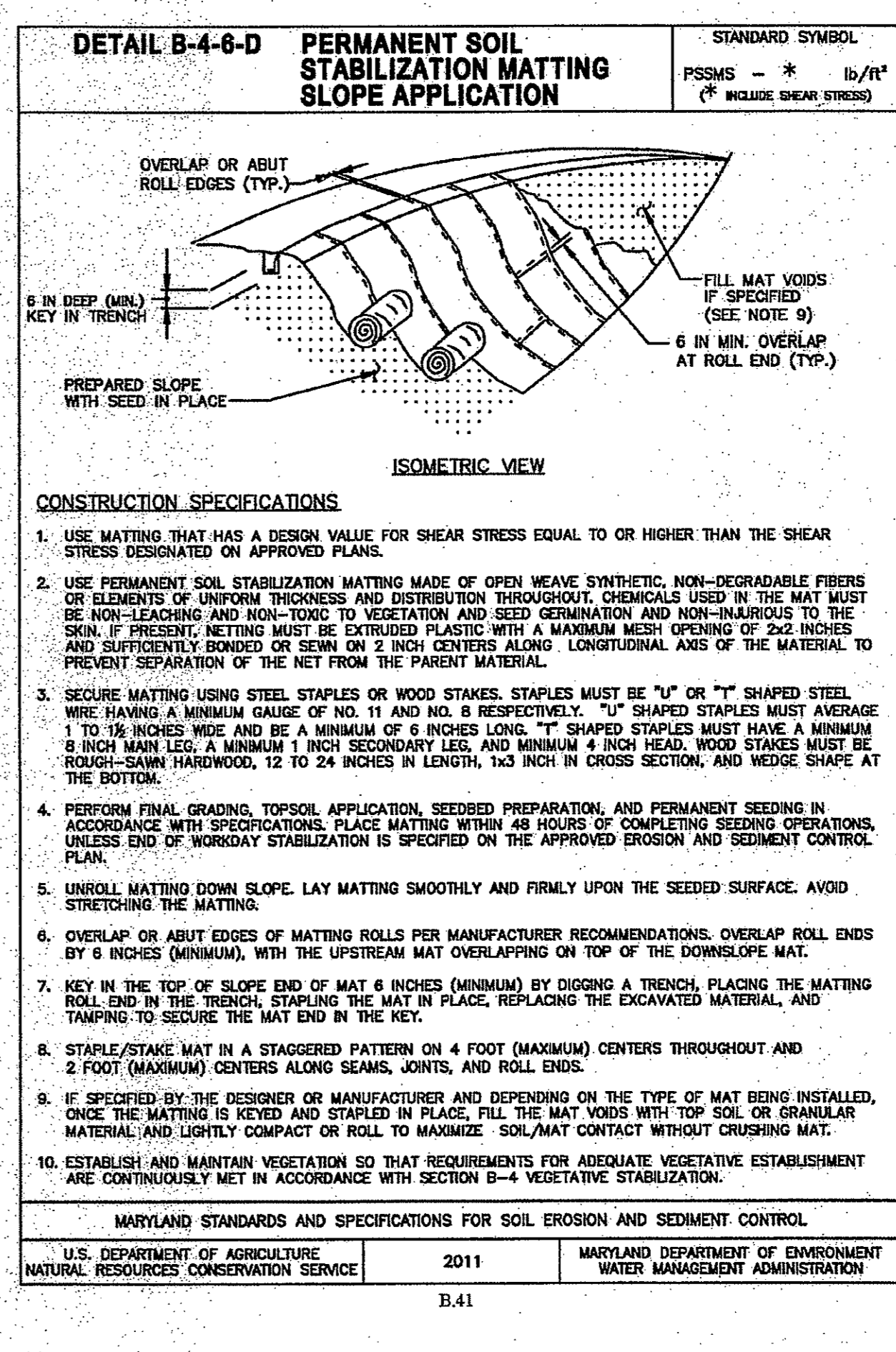
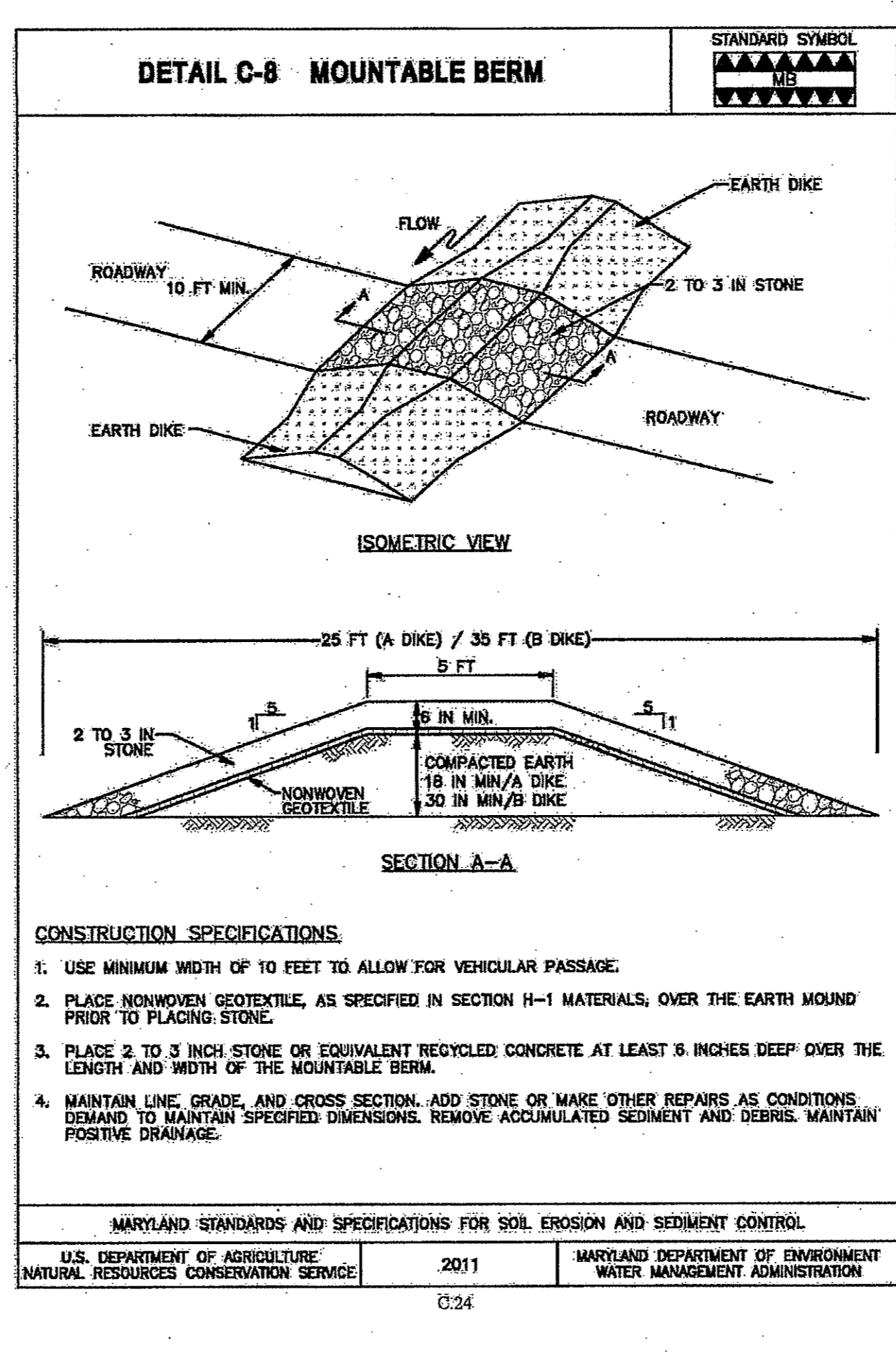
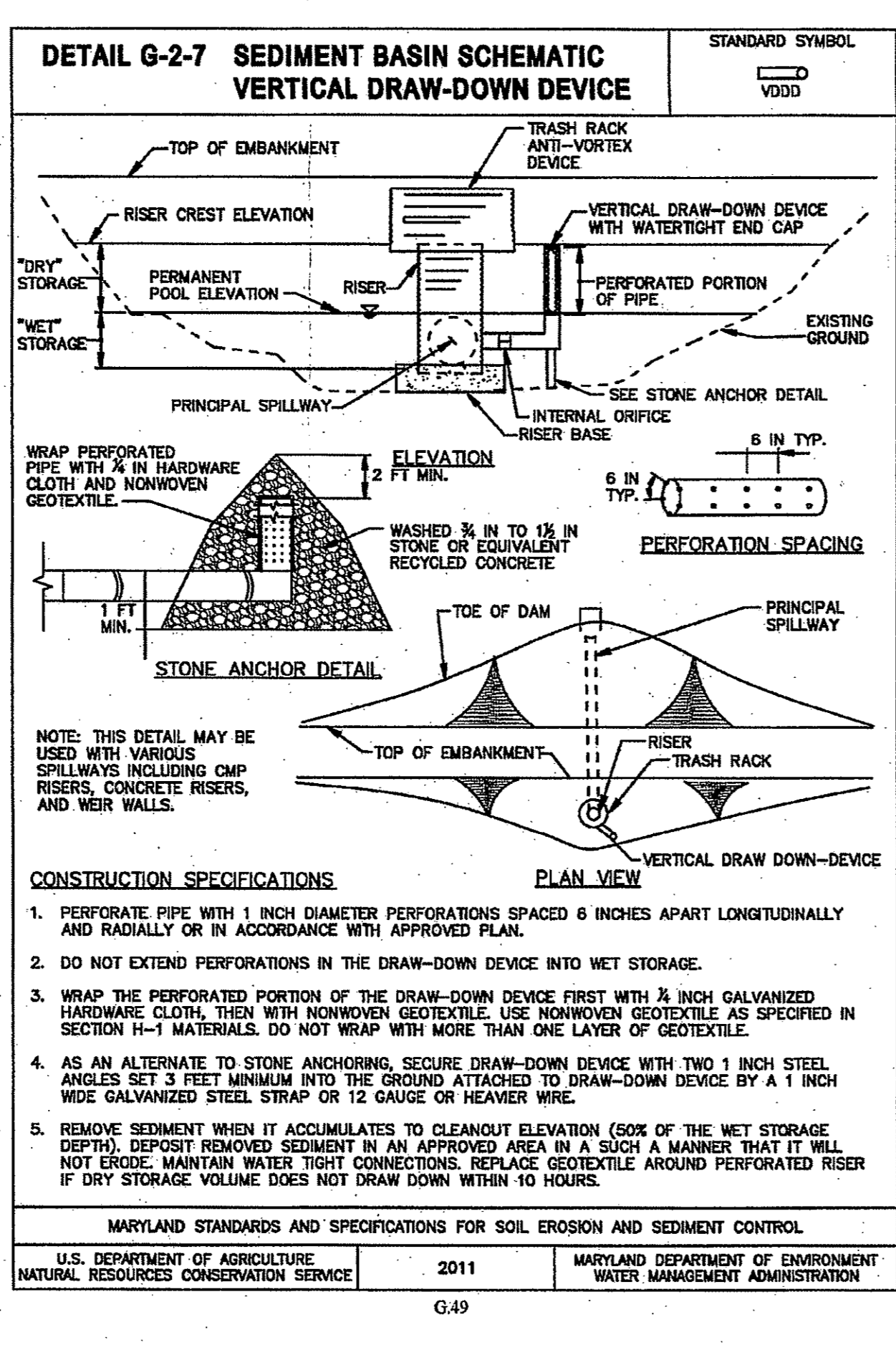
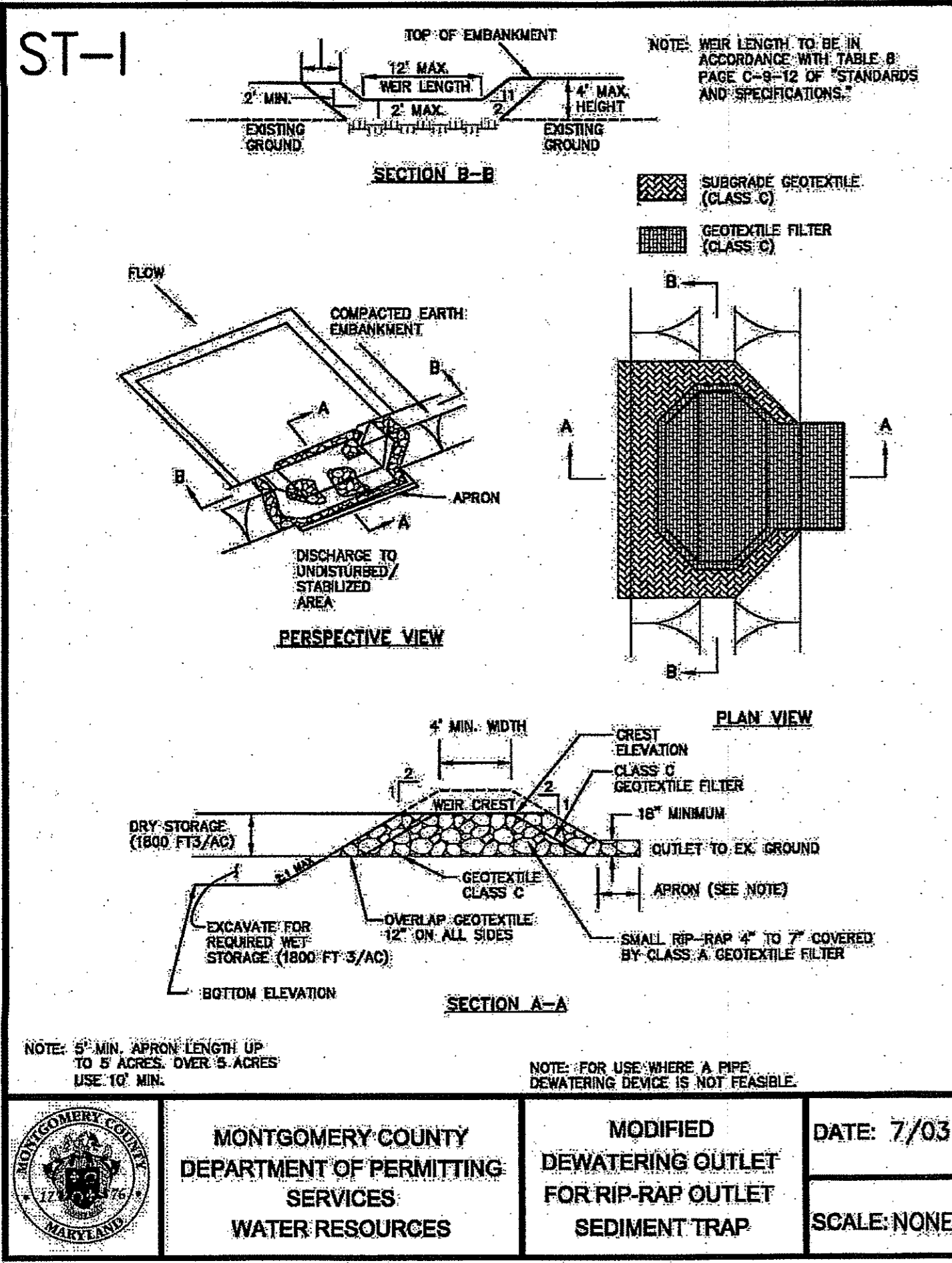
REV. NO.	DATE	DESCRIPTION

SEDIMENT & EROSION CONTROL PLAN 3 FOR FINAL CONSTRUCTION PHASE GREENBRIAR LOCAL PARK
Liber 10551 Folio 180
Liber 10551 Folio 183
Liber 10565 Folio 312
SCALE: 1"=20'

DWG. # 9 of 20
SC1.8
SHT. # 55 of 79

CREATED DATE: 10/09/08

15/03/2013 09:59:33 AM C:\Users\jcm\Documents\Greenbriar\Greenbriar_Sediment\Greenbriar_Sediment.dwg - Apr 25, 2013 11:03:33 AM LAYOUT: SC1.8.Plot13.DWG



FOR SEC/SWM PURPOSES ONLY

M.C.D.P.S. APPROVED FOR:	
Stormwater Management:	<i>On-site ESD</i>
Reviewed:	<i>WKE</i> 4/30/13 Date
Approved:	<i>WKE</i> 4-30-2013 Date
	241350 S.M. FILE NO.
Sediment Control Technical Requirements	
Reviewed:	<i>WKE</i> 4/30/13 Date
Approved:	<i>WKE</i> 4-30-2013 Date
Administrative Requirements:	
Reviewed:	<i>WKE</i> 4/30/13 Date
	243064 SEDIMENT CONTROL PERMIT NO.
NOTE	
M.C.D.P.S. APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED UNLESS THE PERMIT HAS BEEN EXTENDED.	
THIS APPROVAL DOES NOT NEGATE THE NEED OF A M.C.D.P.S. ACCESS PERMIT.	

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HORD COPLAN MACHT, INC. ARCHITECTURE LANDSCAPE ARCHITECTURE PLANNING INTERIOR DESIGN

750 E. Pratt Street Suite 1100 Baltimore MD 21202 410 527-7811 410 527-6350 fax www.hcm2.com

VIA MARYLAND, LLC

20281 CENTURY BOULEVARD SUITE 200B GREENBELT, MARYLAND 20824 (301) 251-1100 FAX (301) 251-1102 GREENBELT, MD MALENA, VA

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

License No. 27721

Expiration Date 07-19-2012

2014

The Maryland-National Capital Park and Planning Commission

Montgomery County Department of Parks 9500 Brunnet Avenue Silver Spring, Maryland 20901 (301) 495-2535

REVIEW AND APPROVAL

Project Manager Date 4/26/13 *WKE*

Project Engineer Date *WKE* 4/26/13

Construction Manager Date

Port Manager Date

ISSUED FOR PROCUREMENT ON	
REVISED	DESCRIPTION
Rev. No.	Date

SEDIMENT CONTROL DETAILS AND NOTES 1 GREENBRIAR LOCAL PARK

SCALE: AS SHOWN

Liber 10551 Folio 180
Liber 10551 Folio 183
Liber 10565 Folio 312

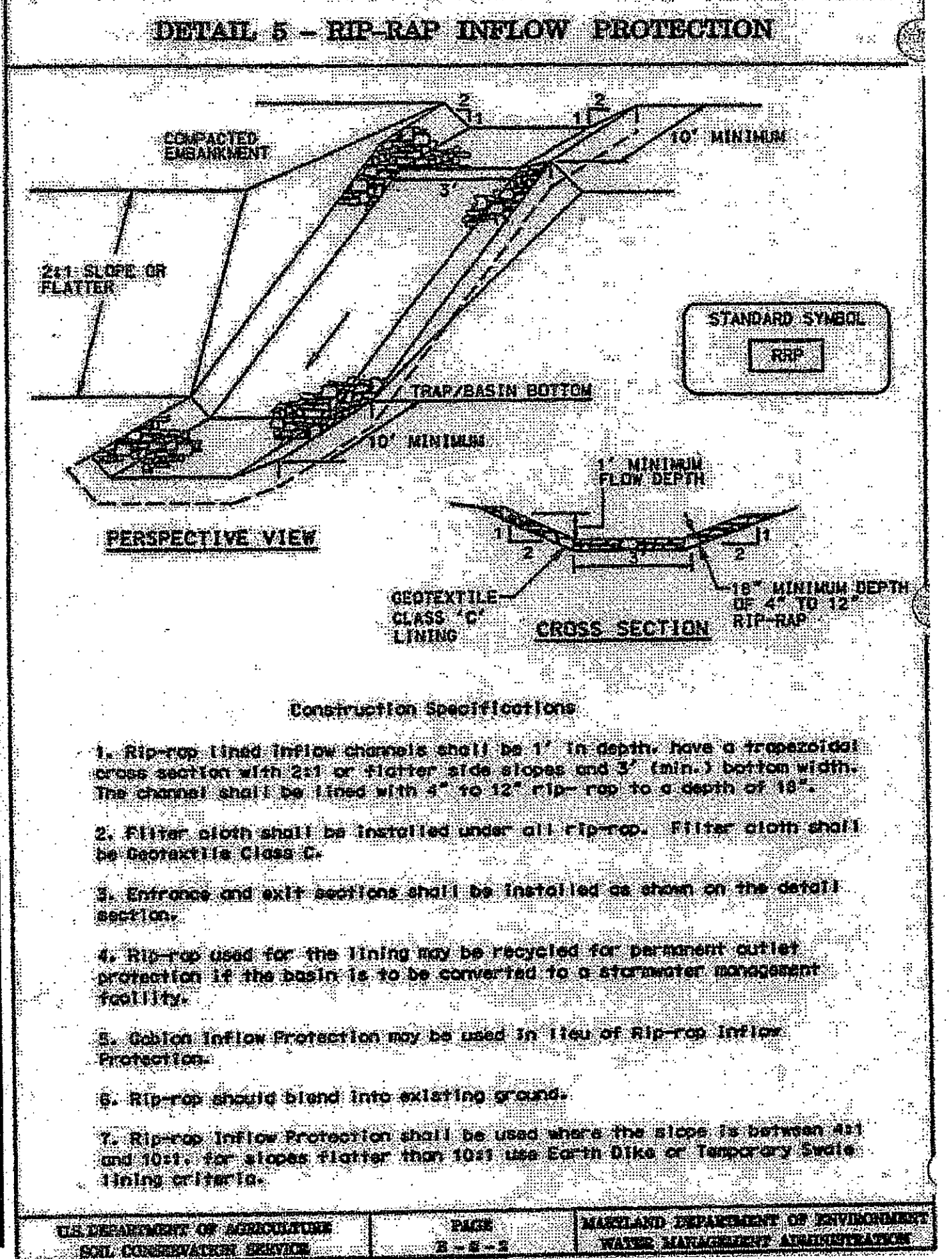
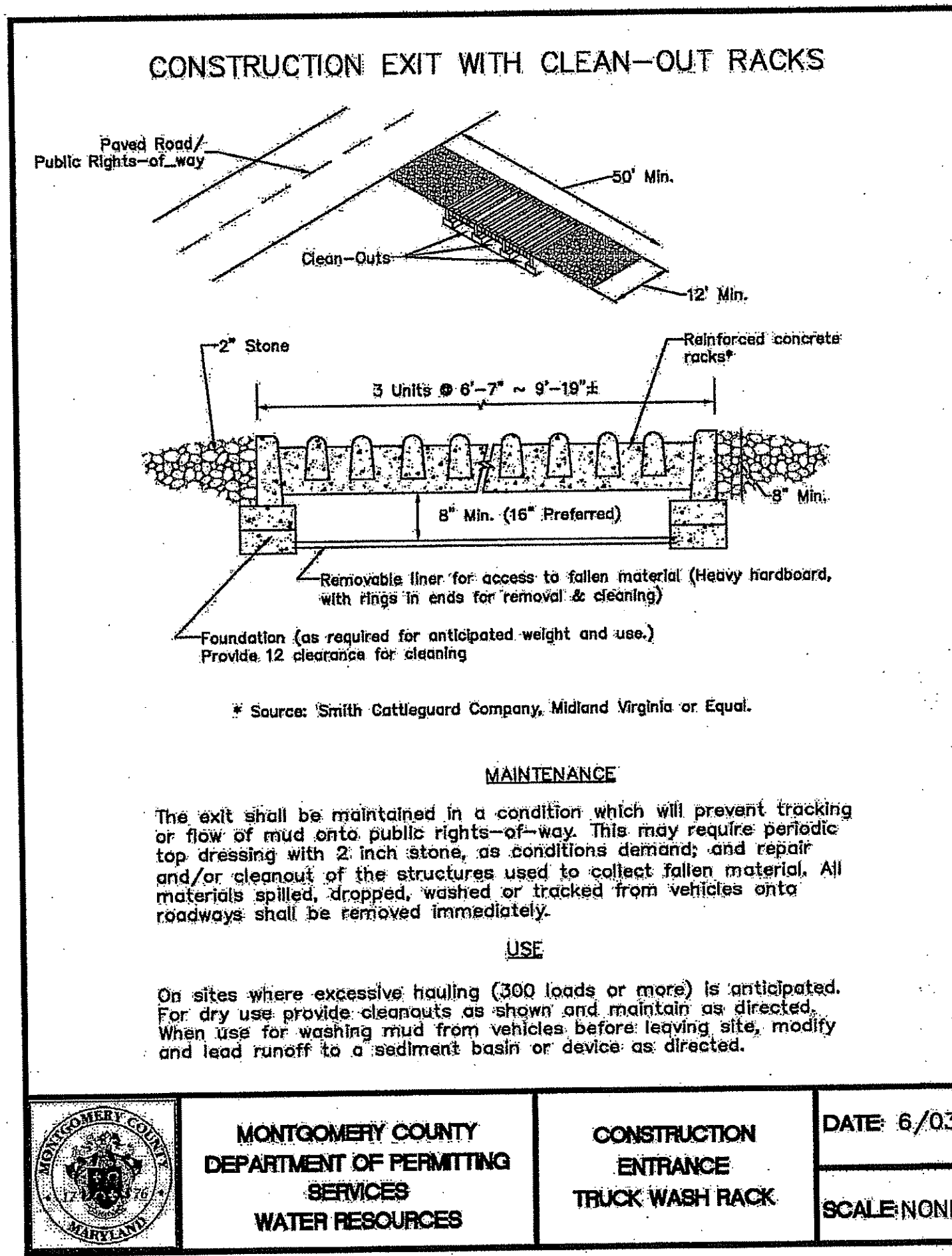
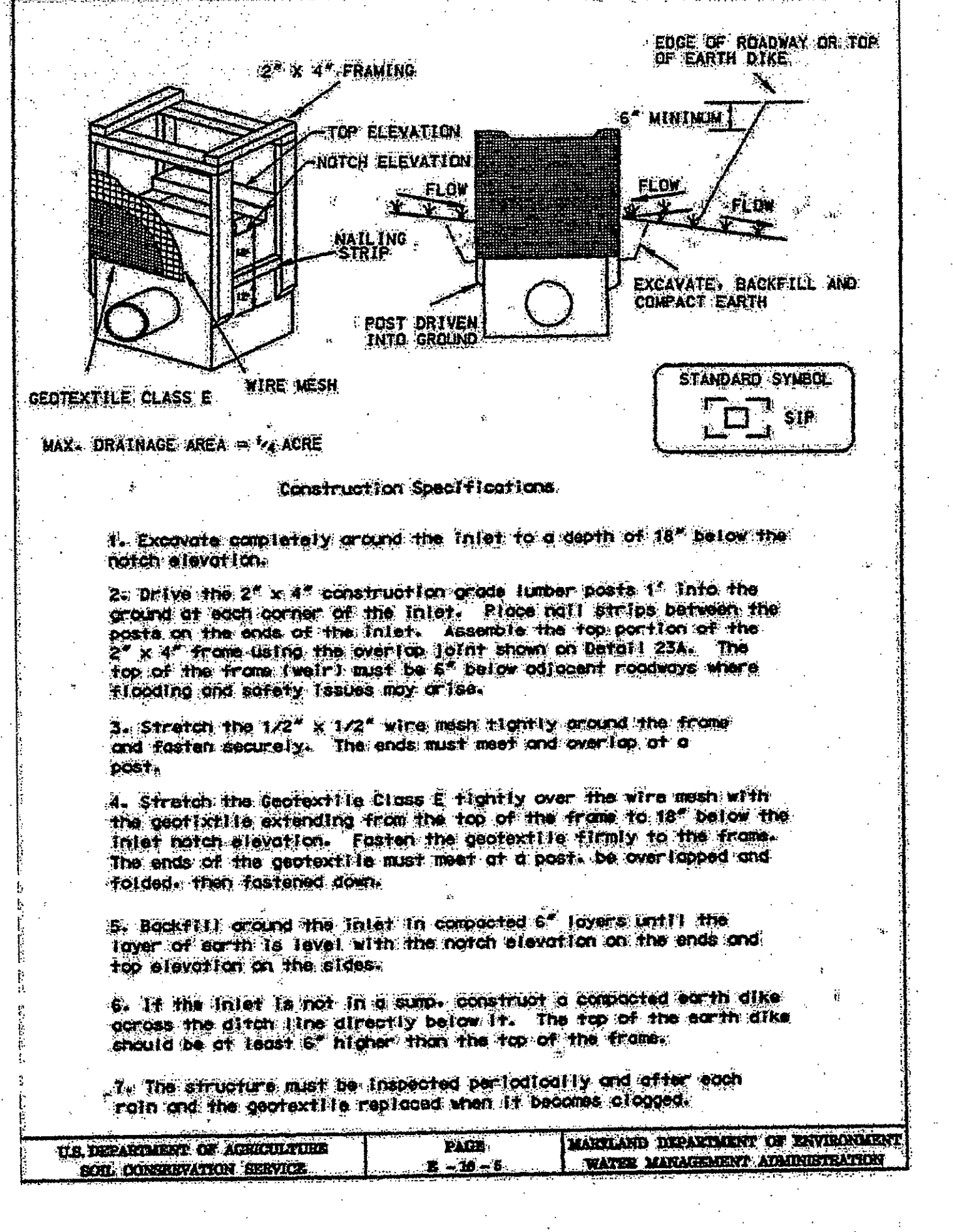
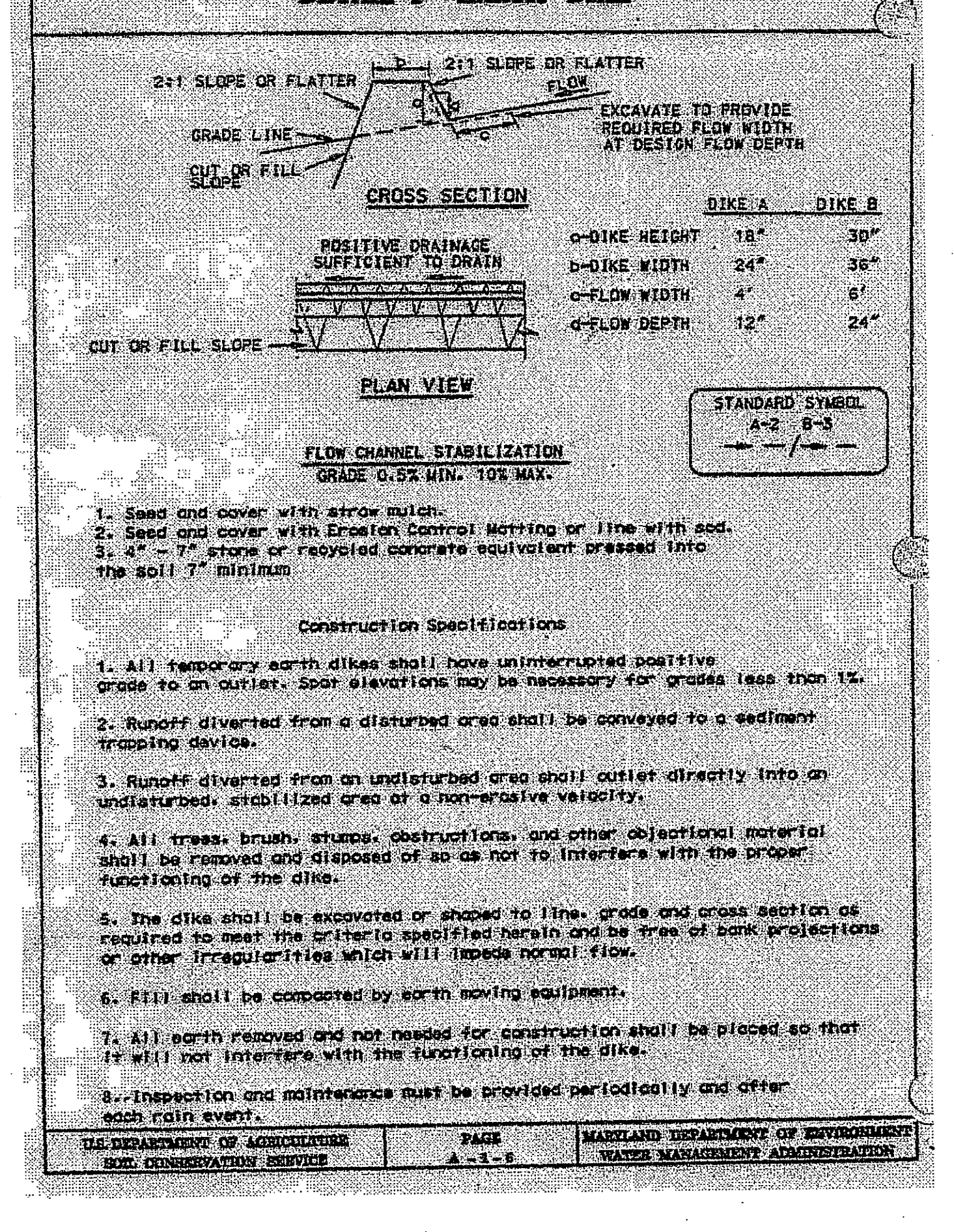
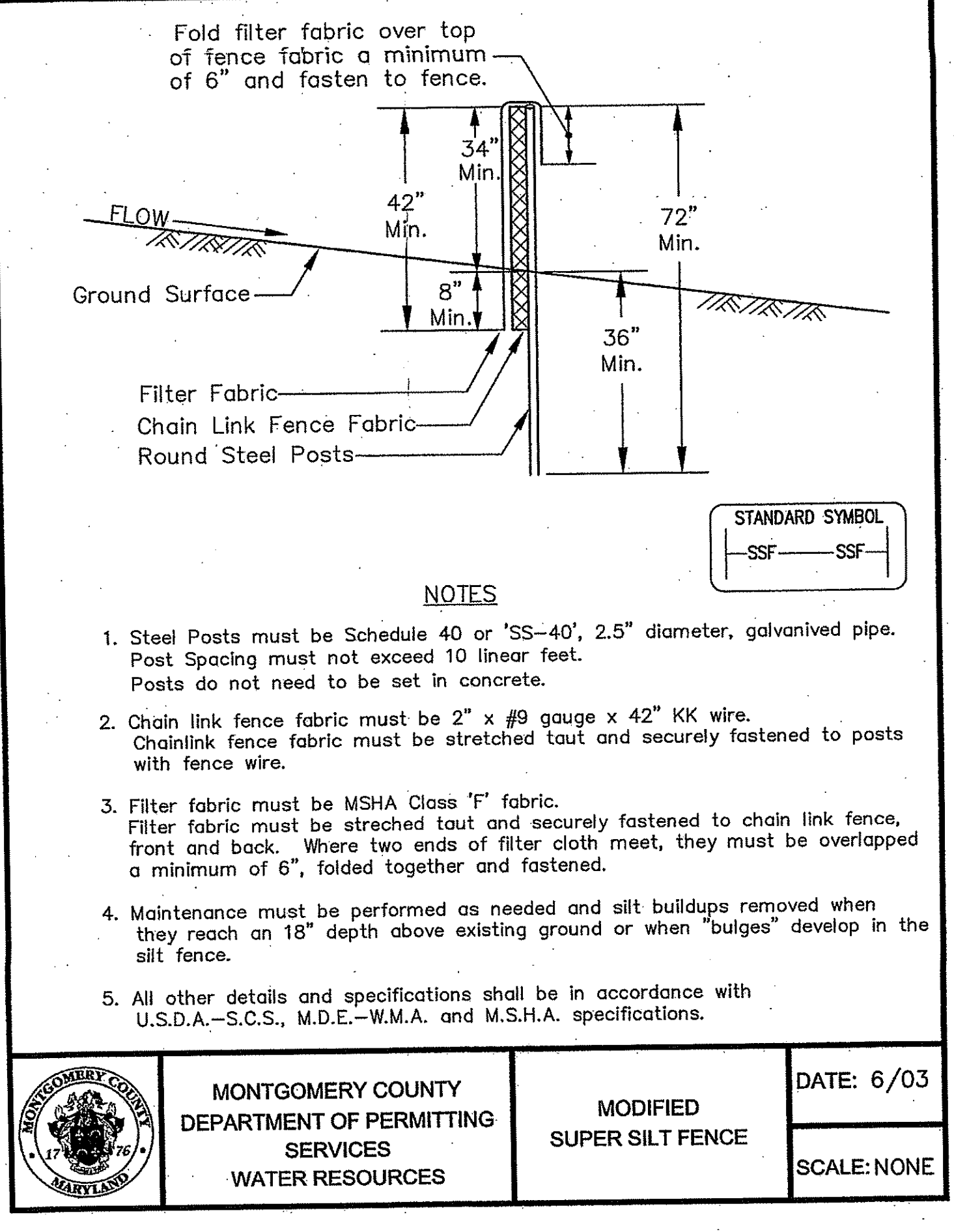
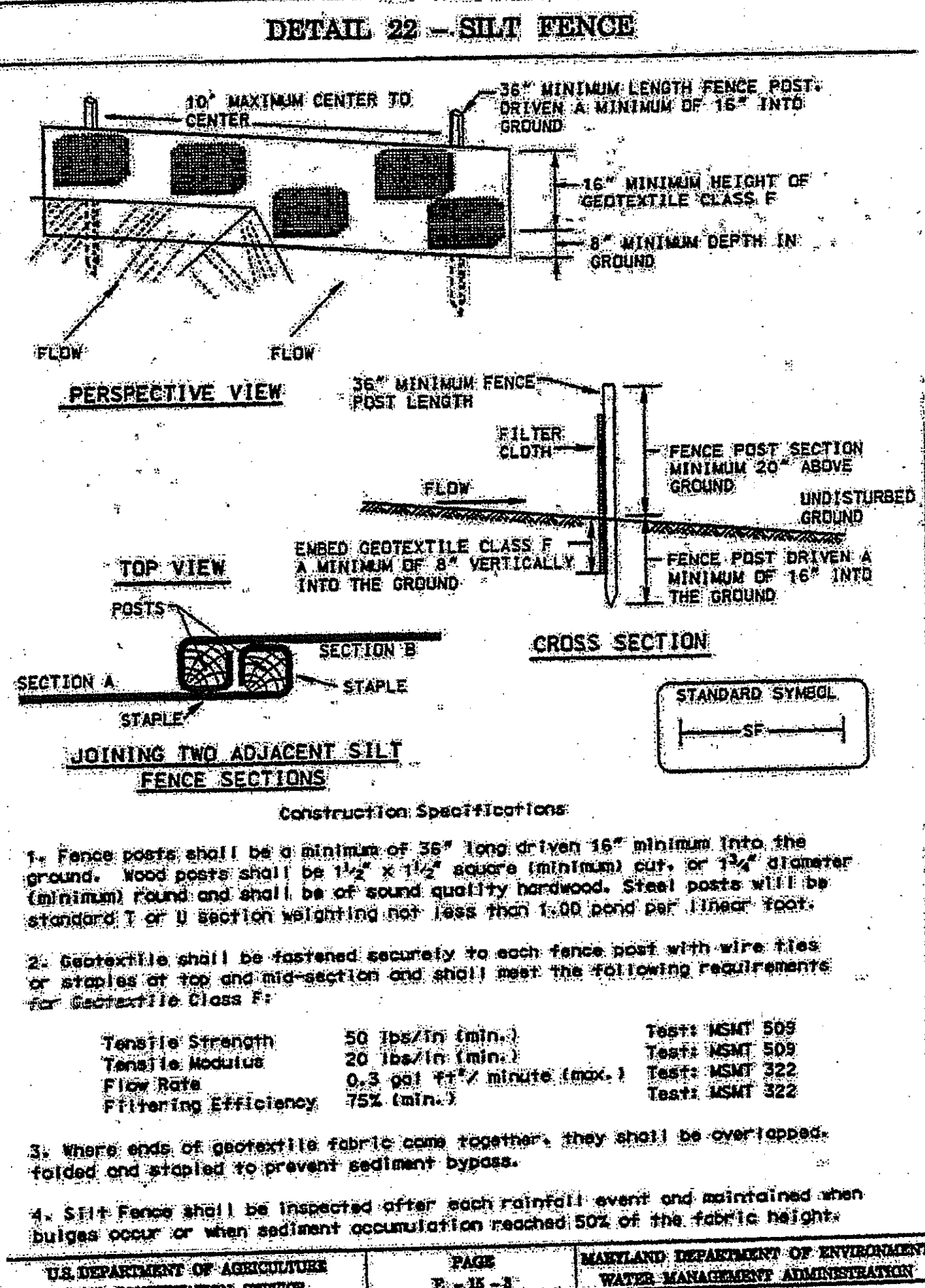
DWG. # 10 of 20

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SHT. # 56 of 79

CREATED DATE: 10/28/03

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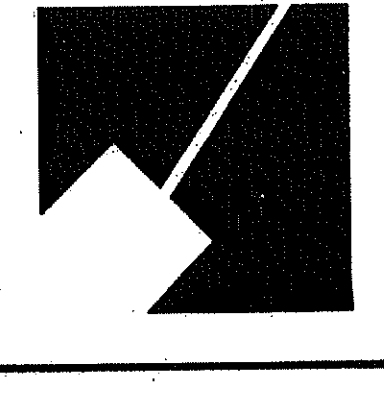
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 HORD COPLAN MACHI, INC.
 LANDSCAPE ARCHITECTURE
 PLANNING
 INTERIOR DESIGN
 7505 E Front Street Suite 1100
 Baltimore MD 21222
 410 827-7311
 410 827-6589 fax
 www.hcmid.com

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 ENGINEERS | PLANNERS | LANDSCAPE ARCHITECTS | DESIGNERS | SUSTAINABLE DESIGN
 20251 CENTURY BOWLING GREEN SUITE 200 GREENBELT, MARYLAND 20746
 VVA MARYLAND, LLC
 200195-1100 FAX 410-981-2282
 GREENBELT, MD GREENBELT, VA

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 License No. 27721
 Expiration Date 07-19-2012
 2214



The Maryland-National Capital Park and Planning Commission
 Montgomery County Department of Parks
 9500 Brunnet Avenue
 Silver Spring, Maryland 20901
 (301) 495-2335

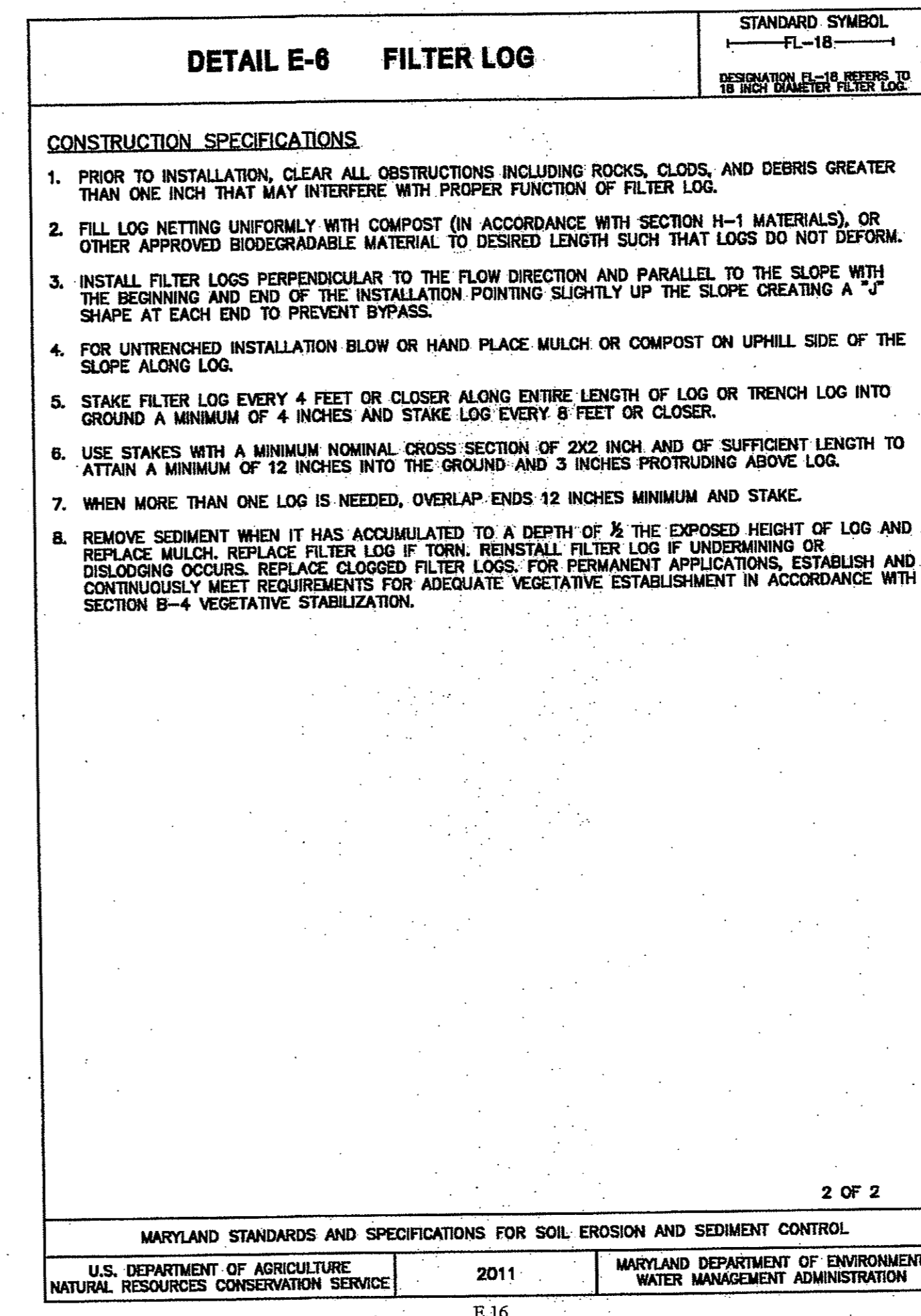
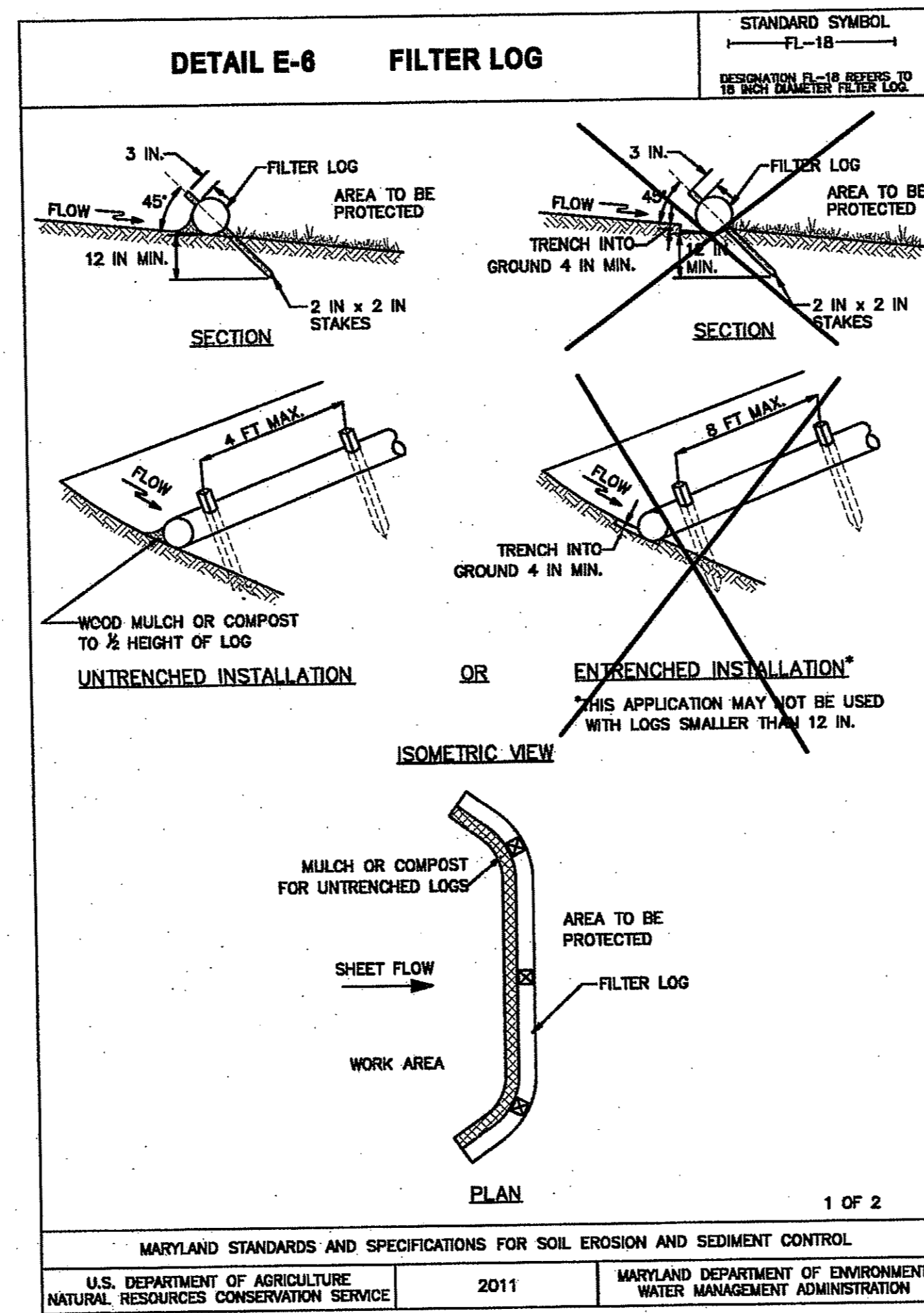
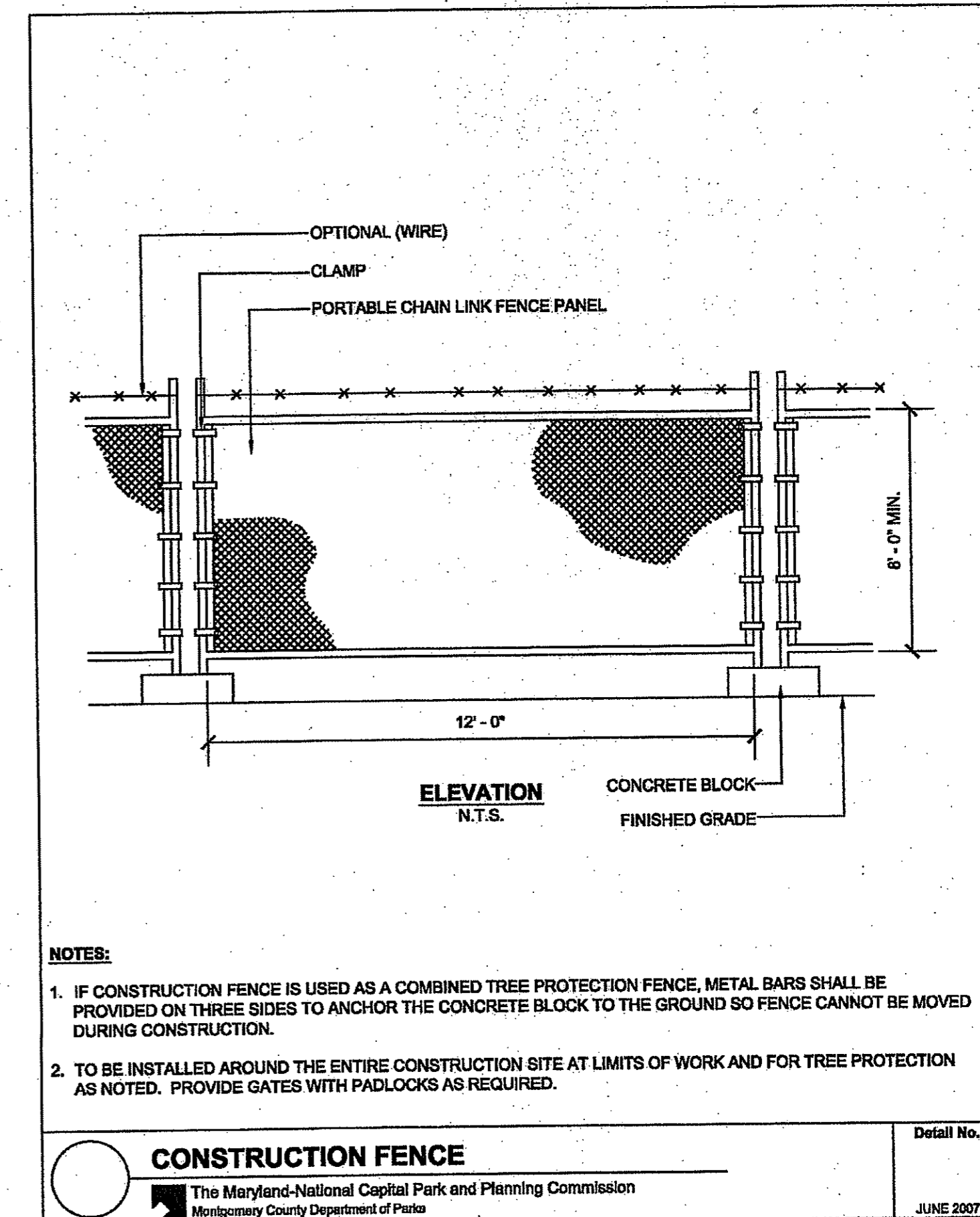
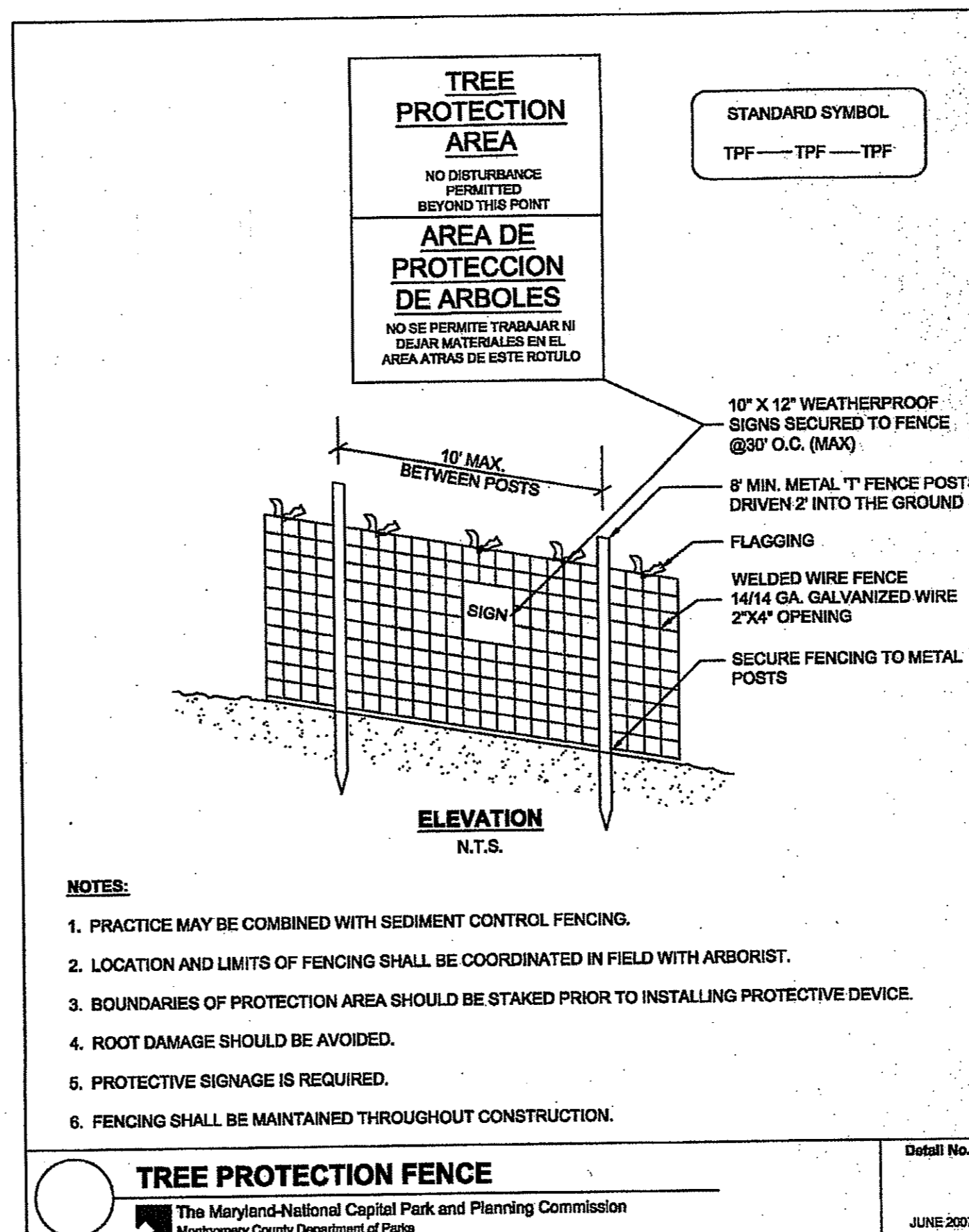
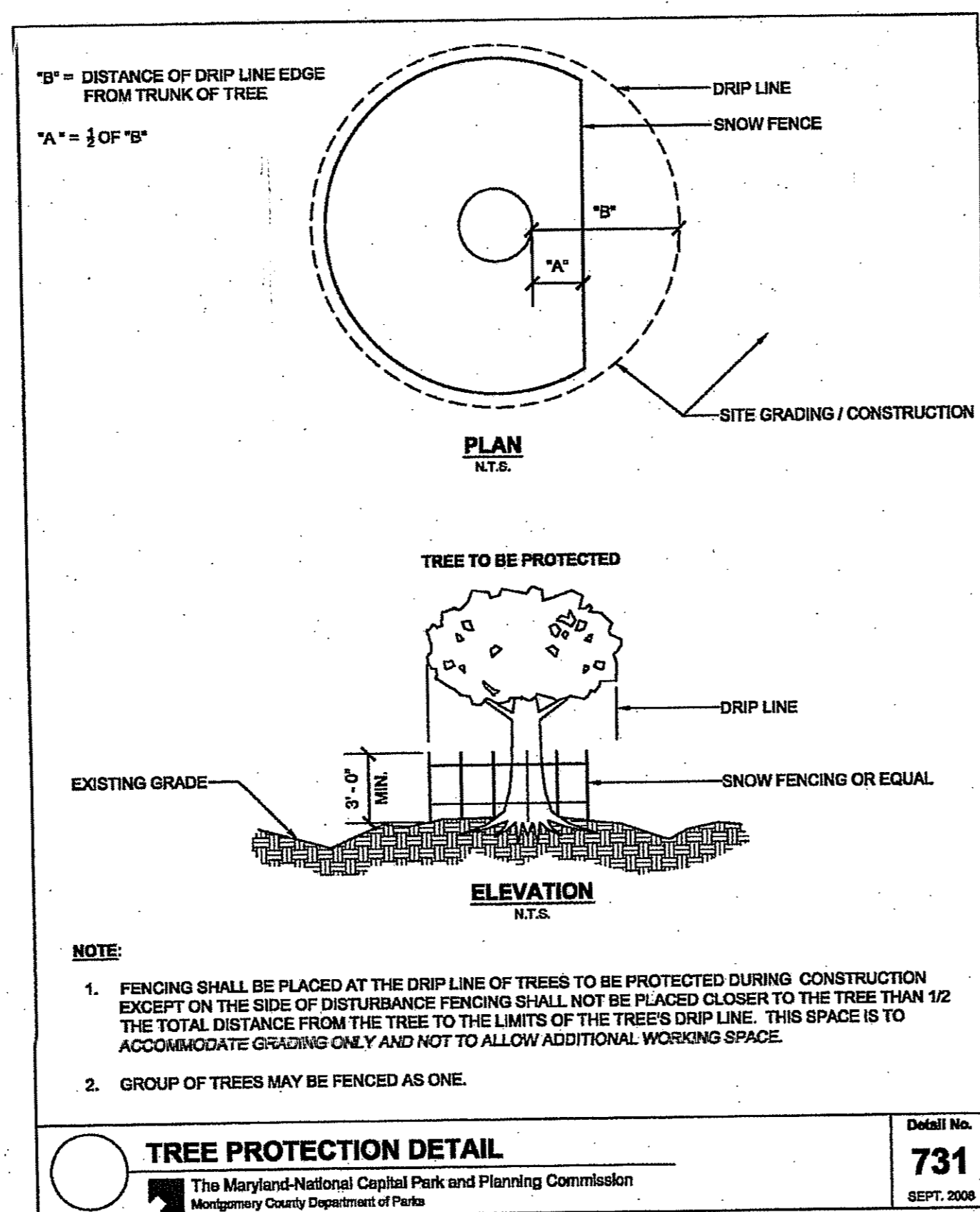
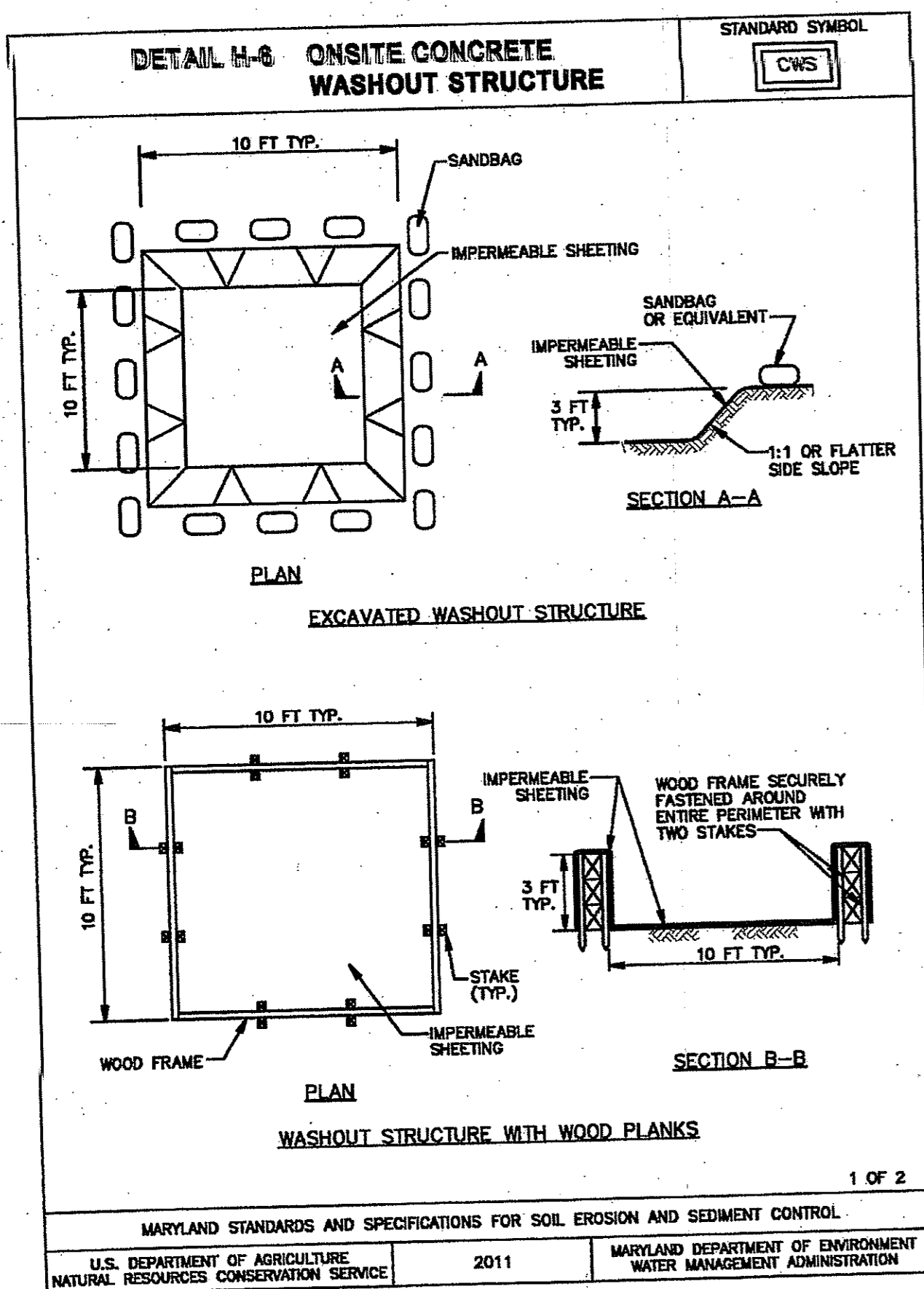
REVIEW AND APPROVAL
 Project Manager Date 4/26/13
 Project Engineer Date 4/26/13
 Construction Manager Date
 Park Manager Date

ISSUED FOR PROCUREMENT ON	
REV. NO.	DATE

SEDIMENT CONTROL DETAILS AND NOTES 3 GREENBRIAR LOCAL PARK
 Liber 10551 Folio 180
 Liber 10551 Folio 183
 Liber 10565 Folio 312
 SCALE: AS SHOWN

DWG. # 12 of 20
 SC1.11
 SHT. # 58 of 79

M.C.D.P.S. APPROVED FOR:
 Stormwater Management: Onsite ESD
 Reviewed: [Signature] 4/26/13 Date
 Approved: [Signature] 4-30-2013 Date
 241350 S.M. FILE NO.
 Sediment Control Technical Requirements
 Reviewed: [Signature] 4/30/13 Date
 Approved: [Signature] 4-30-2013 Date
 Administrative Requirements:
 Reviewed: [Signature] 4/30/13 Date
 243064
 SEDIMENT CONTROL PERMIT NO.
 NOTE
 MCDPS APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED UNLESS THE PERMIT HAS BEEN EXTENDED.
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M.C.D.P.S. APPROVED FOR:

Stormwater Management:
Onsite ESD

Reviewed: *WKE* 4/30/13 Date
 Approved: *WKE* 4-30-2013 Date
 241350 S.M. FILE NO.

Sediment Control Technical Requirements:
 Reviewed: *WKE* 4/30/13 Date
 Approved: *WKE* 4-30-2013 Date
 241350 S.M. FILE NO.

Administrative Requirements:
 Reviewed: *WKE* 4/30/13 Date
 Approved: *WKE* 4-30-2013 Date
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NOTE:
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 20251 CENTURY BOULEVARD SUITE 400 GREENBELT, MARYLAND 20878
 CHURCH & NIXON BUILDING
 GREENBELT, MD WISCONSIN, VA

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

License No. 27721
 Expiration Date 07-19-2012

The Maryland-National Capital Park and Planning Commission

Montgomery County Department of Parks
 9500 Brunnet Avenue
 Silver Spring, Maryland 20901
 (301) 495-2535

REVIEW AND APPROVAL

Project Manager Date: *4/26/13 Ureda Komar*
 Project Engineer Date: *4/26/13*
 Construction Manager Date:
 Park Manager Date:

ISSUED FOR PROCUREMENT ON

REV. NO.	DATE	DESCRIPTION

SEDIMENT CONTROL DETAILS AND NOTES 4 GREENBRIAR LOCAL PARK

Liber 10551 Folio 180
 Liber 10551 Folio 183
 Liber 10565 Folio 312

SCALE: AS SHOWN

DWG. # 13 of 20
SC1.12
 SHT. # 59 of 79

