

GENERAL NOTES:

1. THESE NOTES SHALL APPLY UNLESS OTHERWISE INDICATED BY DRAWINGS OR SPECIFICATIONS.
2. WHERE A DETAIL IS SHOWN FOR ONE CONDITION IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY MARKED ON THE DRAWINGS.
3. ALL ORGANICS AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM BOTTOM OF EXCAVATION UNDER THE ENTIRE STRUCTURE FOOTPRINT. FOOTINGS AND SLABS SHALL BEAR ON STRUCTURAL FILL OR NATURAL GRANULAR MATERIAL.
4. ALL FOOTINGS SHALL BEAR ON ORIGINAL UNDISTURBED SOIL, WHERE POSSIBLE. ANY FILL USED UNDER FOOTINGS AND SLABS SHALL BE GRANULAR STRUCTURAL FILL (GRAVEL) OR CRUSHED STONE AND SHALL BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY I.A.W. ASTM D 1557 IN MAXIMUM 8 INCH LIFTS.
5. IF, AFTER EXCAVATION, THE CONDITION OF THE SOIL INDICATES A BEARING CAPACITY OF LESS THAN 3,000 PSF, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED AND THE FOOTINGS REVISED AS NECESSARY.
6. CONTRACTOR SHALL PROVIDE ADEQUATE BRACING OR SHORING FOR ALL WORK DURING THE CONSTRUCTION PERIOD.
7. BACKFILL AGAINST WALLS SHALL BE DEPOSITED EVENLY AGAINST BOTH SIDES OF THE WALL UNTIL THE LOWER FINAL GRADE IS REACHED.
8. DIMENSIONS SHOWN ON THIS PLAN ARE BASED ON A SURVEY ENTITLED "BOUNDARY, TOPOGRAPHIC & UTILITY SURVEY, 123 HOWLAND AVENUE, TOWN OF MIDDLETOWN, NEWPORT COUNTY" PREPARED BY BOHLER ENGINEERING MA, LLC. ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION AND ORDERING ANY STEEL OR MATERIALS. REPORT DISCREPANCIES TO THE ENGINEER FOR EVALUATION. EXISTING FLOOR ELEVATIONS SHALL BE USED TO MATCH PROPOSED WORK.

FOUNDATION NOTES:

1. FOUNDATION DESIGNS ARE BASED UPON THE ALLOWABLE SOIL BEARING CAPACITIES INDICATED IN THE DESIGN CRITERIA.
2. SOIL COMPACTION IS DEFINED AS THE MINIMUM PERCENTAGE OF THE MAXIMUM DRY DENSITY, DETERMINED BY ASTM D-1557 (MODIFIED PROCTOR).
3. ALL ORGANICS AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE BOTTOM OF EXCAVATIONS UNDER THE ENTIRE STRUCTURE FOOTPRINT. FOOTINGS AND SLABS SHALL BEAR ON STRUCTURAL FILL OR NATURAL GRANULAR MATERIAL.
4. COMPACT BACKFILL UNDER FOUNDATION MATS, BASE SLABS, FOOTINGS, AND SLABS ON GRADE TO A MINIMUM OF 95 PERCENT. COMPACT EMBANKMENTS AND BACKFILL NOT SUPPORTING STRUCTURES TO A MINIMUM OF 90 PERCENT. PLACE AND COMPACT ALL BACKFILL IN 8-INCH MAXIMUM LAYERS.
5. EXCAVATE TO THE REQUIRED SUBGRADE USING METHODS TO CAUSE THE LEAST AMOUNT OF DISTURBANCE TO THE SUBGRADE. RE-COMPACT ANY DISTURBED/LOOSENED SUBGRADE SOIL BEFORE PLACING BASE MATERIALS. THE SILTY NATURE OF THE SUBGRADE SOIL WILL REQUIRE CAREFUL COMPACTION AND VIBRATION MAY CAUSE LOOSENING, PUMPING OR WEAVING OF THE SOIL. IF 50 COMPACTION WITHOUT VIBRATION SHALL BE USED.
6. PROVIDE FOUNDATION PREPARATION AS INDICATED ON THE STANDARD DETAIL UNDER ALL FOUNDATION SLABS, MATS AND FOOTINGS.
7. DO NOT PLACE FOUNDATION CONCRETE IN WATER OR ON FROZEN OR DISTURBED GROUND.
8. A UNIT WEIGHT OF 120 PCF FOR SOIL WAS USED IN THE DESIGN.
9. BACKFILL AGAINST WALLS SHALL BE DEPOSITED EVENLY AGAINST BOTH SIDES OF THE WALL UNTIL THE LOWER FINAL GRADE IS REACHED. DO NOT BACKFILL AGAINST CONCRETE WALLS UNTIL WALLS AND ALL SLABS AT AND BELOW THE FIRST FLOOR LEVEL HAVE REACHED THE SPECIFIED DESIGN STRENGTH. THE FIRST FLOOR LEVEL IS DEFINED AS THE LEVEL AT FINISHED GRADE OR THE FIRST LEVEL ABOVE FINISHED GRADE.
10. PLACE EXTERIOR SLABS, PLATFORMS AND WALKS ON 8-INCH LAYERS OF NON-FROST SUSCEPTIBLE MATERIAL (SELECT BORROW, SCREENED GRAVEL OR CRUSHED STONE BACKFILL HAVING NOT MORE THAN 5 PERCENT BY WEIGHT PASSING A NO. 200 SIEVE). THE LIMITS OF BACKFILL ARE DEFINED BY AN OUTWARD SLOPE OF 1:1 FROM THE PERIMETER OF THE SLAB TO A DEPTH OF FOUR (4) FEET BELOW FINISH GRADE UNLESS OTHERWISE INDICATED OR SPECIFIED. PLACE MATERIAL IN 8-INCH LIFTS. COMPACT SELECT BORROW TO 95 PERCENT. COMPACT SCREENED GRAVEL AND CRUSHED STONE USING A SELF-PROPELLED VIBRATORY STEEL DRUM ROLLER OR RUBBER TIRE ROLLERS WITH A MINIMUM OF 4 PASSES IN DIRECTIONS PERPENDICULAR TO ONE ANOTHER IN OPEN AREAS. IN SMALL AREAS, USE MANUALLY OPERATED VIBRATORY PLATE COMPACTORS WITH A MINIMUM OF FOUR PASSES.

CONCRETE NOTES:

1. CONCRETE SHALL BE PROPORTIONED, MIXED AND PLACED IN ACCORDANCE WITH ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" AND ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS". MINIMUM COMPRESSIVE STRENGTHS OF CONCRETE AT THE END OF 28 DAYS SHALL BE 4,000 PSI FOR ALL FOOTINGS, AND FOUNDATION WALLS, AND 4,000 PSI FOR SLABS.
2. CEMENT TO BE PORTLAND TYPE II OR APPROVED EQUAL, AIR ENTRAINED TO 4%. IT IS NOT RECOMMENDED TO AIR ENTRAIN SLABS THAT ARE TO BE POWER TOWELED TO A HARD SURFACE.
3. EXTERIOR CONCRETE:
 - A. CONCRETE CLEAR COVER DIMENSIONS ARE 3 INCHES FOR FACES CAST AGAINST EARTH AND 1 1/2 INCHES FOR ALL OTHER FACES EXCEPT AS NOTED.
 - B. CONCRETE SHALL BE CAST AGAINST FIRM SOIL.
 - C. CONCRETE SHALL NOT BE POURED IN WATER OR ON FROZEN GROUND AND SHALL BE PROTECTED FROM FROST DURING CONSTRUCTION.
 - D. ALL FOOTING EXCAVATIONS SHALL BE INSPECTED BY ENGINEER BEFORE ANY CONCRETE IS PLACED.
4. ALL DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE LATEST "ACI DETAILING MANUAL" 5F-6G(04). REINFORCING BARS SHALL BE NEW BILLET STEEL CONFORMING TO ASTM A615, GRADE 60.

CONCRETE ANCHOR NOTES:

1. CONCRETE ANCHORS SHALL BE HOT DIPPED GALVANIZED AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM E 488, "STANDARD TEST METHODS FOR STRENGTH OF ANCHORS IN CONCRETE AND MASONRY ELEMENTS" AND ICBO ES AC-01. ACCEPTANCE CRITERIA FOR EXPANSION ANCHORS IN CONCRETE AND MASONRY ELEMENTS.
2. PROVIDE SIZE, TYPE AND EMBEDMENT OF ANCHOR INDICATED INSTALLED TO DEVELOP THE MAXIMUM CAPACITY FOR THE EMBEDMENT, TYPE AND ANCHOR SIZE WITH A MINIMUM SAFETY FACTOR OF FOUR (4).
3. ANCHORS SHALL HAVE STANDARD UNC THREADS, UNLESS OTHERWISE INDICATED.

DESIGN CRITERIA:

ALL LOADS APPLIED IN ACCORDANCE WITH RHODE ISLAND STATE BUILDING CODE (LATEST EDITION) SBC-2, 2019.

BUILDING USE: RESIDENTIAL
 FROST DEPTH = 3'-4"
 GROUND SNOW (P_g) = 30 PSF
 C_e = 1.0 (EXPOSURE B, PARTIAL)
 I = 1.0 (CATEGORY II)

LIVE LOADS:
 BRIDGE RATED FOR: AASHTO HL-93 WHEEL W / LANE LOAD
 DESIGN WIND SPEED: 139 MPH (3 SEC GUST - ASCE 7-10) EXPOSURE "B"
 SEISMIC: S_s = 0.168, S₁ = 0.058 (Not Req'd for Residential)
 SOIL BEARING PRESSURE: 3,000 PSF (PRESUMPTIVE)
 FLOOD ZONE: X

STRUCTURAL STEEL NOTES:

1. STRUCTURAL STEEL DETAILING, FABRICATION AND ERECTION TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "MANUAL OF STEEL CONSTRUCTION".
2. STRUCTURAL STEEL SHALL CONFORM TO ASTM A992 GRADE 50, EXCEPT TUBE STEEL WHICH SHALL CONFORM TO ASTM A-500, GRADE B.
3. ANGLES AND PLATES SHALL CONFORM TO ASTM A36.
4. SHOP CONNECTIONS MAY BE BOLTED OR WELDED UNLESS SPECIFICALLY INDICATED.
5. ALL BOLTED CONNECTIONS ARE TO BE MADE USING 3/4" DIAMETER ASTM A-325 BOLTS, UNLESS OTHERWISE NOTED. THE DIAMETER OF HOLES FOR BOLTED CONNECTIONS SHALL BE A MAXIMUM OF 1/16" INCH LARGER THAN THE BOLT DIAMETER. PROVIDE ONE HARDENED WASHER UNDER THE ELEMENT TURNED IN TIGHTENING. PROVIDE PLATE WASHERS IN BOTH OUTER PILES WHEN OVERSIZE OR SLOTTED HOLES ARE INDICATED.
6. TIGHTEN HIGH STRENGTH BOLTS BY TURN OF THE NUT METHOD IN ACCORDANCE WITH AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS, EXCEPT WHEN SLIP-CRITICAL JOINTS OR CONNECTIONS SUBJECTED TO DIRECT TENSION ARE INDICATED OR SPECIFIED.
7. WELDING PROCEDURES SHALL CONFORM TO AWS D1.1 USING E70XX SERIES ELECTRODES.
8. FIELD WELDING OF STRUCTURAL MEMBERS IS NOT PERMITTED UNLESS SPECIFICALLY INDICATED.
9. ALL TOP OF STEEL ARE CONSTANT BETWEEN GIVEN POINTS.
10. ALL BEAMS ARE EQUALLY SPACED UNLESS OTHERWISE NOTED.
11. PROVIDE F1554 ANCHOR BOLTS FOR ANCHORAGE TO CONCRETE AS INDICATED. FURNISH AND INSTALL ONE WASHER AND ONE HEAVY HEX NUT WITH ASTM F1554 ANCHOR RODS UNLESS OTHERWISE NOTED.
12. ALL STRUCTURAL STEEL SURFACES SHALL BE CLEANED AS SPECIFIED IN SSPC-SP2.
13. ALL STRUCTURAL STEEL SHALL BE PRIMED WITH ONE COAT OF STANDARD SHOP PRIMER.

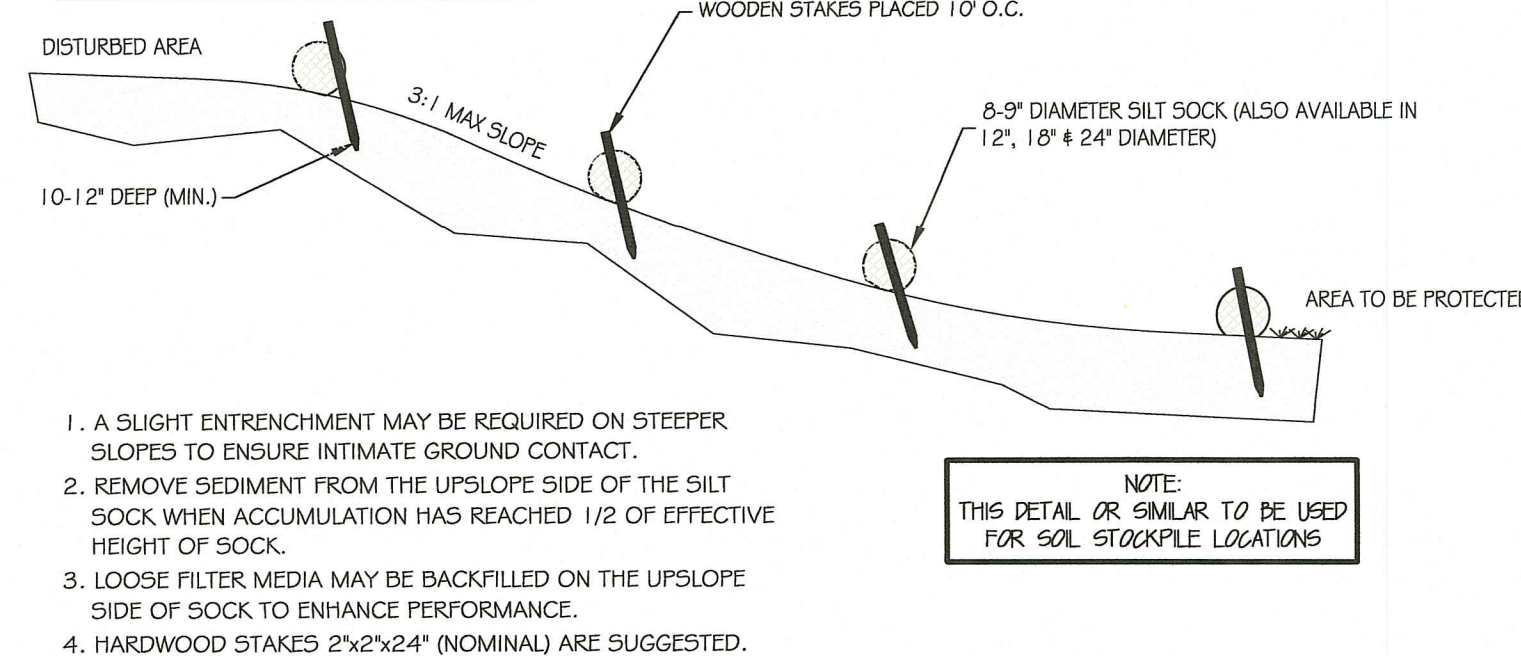
STEEL COATING

1. THE SURFACES OF THE STEEL BRIDGE GIRDERS FURNISHED AND ERECTED SHALL BE COATED WITH BITUMASTIC 300 M COAL TAR EPOXY AS MANUFACTURED BY CARBOLINE OR APPROVED EQUAL. COATING SYSTEM SHALL BE BLACK IN COLOR.
2. ALL SURFACES SHALL BE CLEANED, AT A MINIMUM, TO STEEL STRUCTURES PAINTING COUNCIL SURFACE PREPARATION SPECIFICATIONS SSPC-SP3 PRIOR TO THE APPLICATION OF THE COATING SYSTEM. ALL WORK CLEANED IN ONE DAY MUST BE COATED ON THAT DAY AS SOON AS POSSIBLE AFTER BLASTING. THE EPOXY SHALL BE APPLIED WHEN THE SURFACE AND AIR TEMPERATURES ARE AT LEAST 50 DEGREES FAHRENHEIT. ALL SURFACES TO BE COATED SHALL BE COMPLETELY DRY, FREE OF MOISTURE, SOIL, DUST, SALT, AND GRIT AT THE TIME OF COATING.
3. THE COATING SHALL BE APPLIED WITH BRUSH OR SPRAY IN AT LEAST TWO COATS TO A MINIMUM DRY FILM THICKNESS OF 16 MILS. EACH COAT SHALL BE COMPLETELY CURED BEFORE SUCCEEDING COATS ARE APPLIED AS PER MANUFACTURER'S INSTRUCTIONS. PREPARATION AND APPLICATION SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS.
4. THE REPAIR OF DAMAGED OR ABRADED SURFACES, INCLUDING COATING AREAS REMOVED FROM WELDING, OF THE COAL TAR EPOXY COATING SHALL BE DONE WITH THE COAL TAR EPOXY MATERIAL OF THE SAME TYPE USED FOR THE INITIAL APPLICATION, OR OTHER MATERIAL RECOMMENDED FOR THIS PURPOSE BY THE MANUFACTURER OF THE COATING MATERIALS AND APPROVED BY THE OWNER. REPAIR COATINGS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S PRINTED INSTRUCTIONS AND DIRECTIONS.
5. THE COATING SHALL BE READILY APPLIED WITHOUT THINNING. IF THINNING IS DESIRED BY THE CONTRACTOR, ADDITIONAL COATS MAY BE REQUIRED TO ACHIEVE THE SPECIFIED FILM THICKNESS. THINNING SHALL NOT BE DONE WITHOUT THE PRIOR APPROVAL OF THE OWNER.
6. SATISFACTORY PERFORMANCE WILL BE THE BASIS OF ACCEPTANCE OF THE COMPLETED WORK BY THE OWNER. ACCEPTANCE OF THE COMPLETED WORK SHALL BE BASED UPON VISUAL INSPECTION BY THE OWNER'S REPRESENTATIVE FOR PINHOLES, FILM CONTINUITY, AND QUALITY OF APPLICATION. DETECTION OF INADEQUATELY COATED AREAS WILL BE INDICATED BY THE OWNER BY CIRCULING THESE AREAS IN CHALK. THESE AREAS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE.
7. THE FINISHED COATING SHALL GENERALLY BE SMOOTH AND SEMI-GLOSSY. SAGS, DIMPLING, OR CURTAINING SHALL BE CAUSE FOR REJECTION.
8. IN LIEU OF EPOXY COATING BRIDGE GIRDERS MAY BE HOT DIPPED GALVANIZED AFTER FABRICATION.

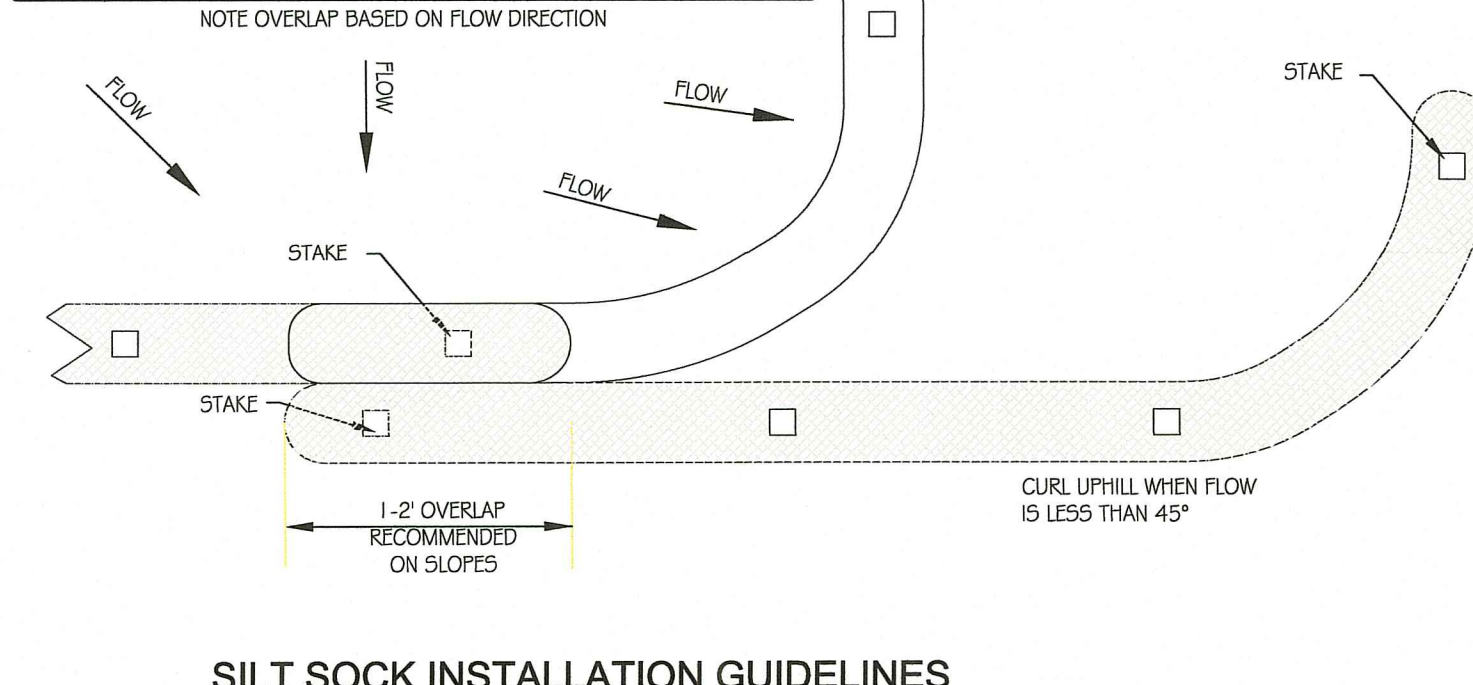
WOOD DECKING NOTES:

1. ALL LUMBER USED FOR DECKING SHALL BE PRESSURE TREATED, STRESS GRADED (NO. 1 OR BETTER) SOUTHERN YELLOW PINE, SPRUCE-PINE-FIR OR EQUAL WITH MIN. ALLOWABLE BENDING STRESS OF 1,200 PSI, AN ALLOWABLE SHEAR STRESS OF 80 PSI, AND A MODULUS OF ELASTICITY OF 1,400,000 PSI.
2. ALL WOOD MEMBERS SHALL BE FREE OF CRACKS, KNOT HOLES, NOTCHES AND OTHER STRUCTURAL DEFICIENCIES. ALL WOOD CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE RECOMMENDED PRACTICE OF THE NATIONAL FOREST PRODUCTS ASSOCIATION, AND THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.
3. TIMBER DECK PLYS SHALL BE NAIL LAMINATED USING NAIL GUN TYPE STAINLESS STEEL 3 1/2" x 0.162 RING 3 1/2 x 55 STRIP NAILS OR EQUAL. NAIL PATTERN SHALL BE AS SHOWN ON THE ATTACHED PLANS.
4. TIMBER DECK SHALL BE ATTACHED TO BRIDGE GIRDERS USING HOT DIPPED GALVANIZED STEEL TIMBER BOLTS, 5/8" - 1 1/4" UNC, 10" LONG.
5. TIMBER DECK SHALL BE SECURED TO LONGITUDINAL BRIDGE BEAMS WITH A MINIMUM OF 3 OPPOSING H.D.G. CLIPS

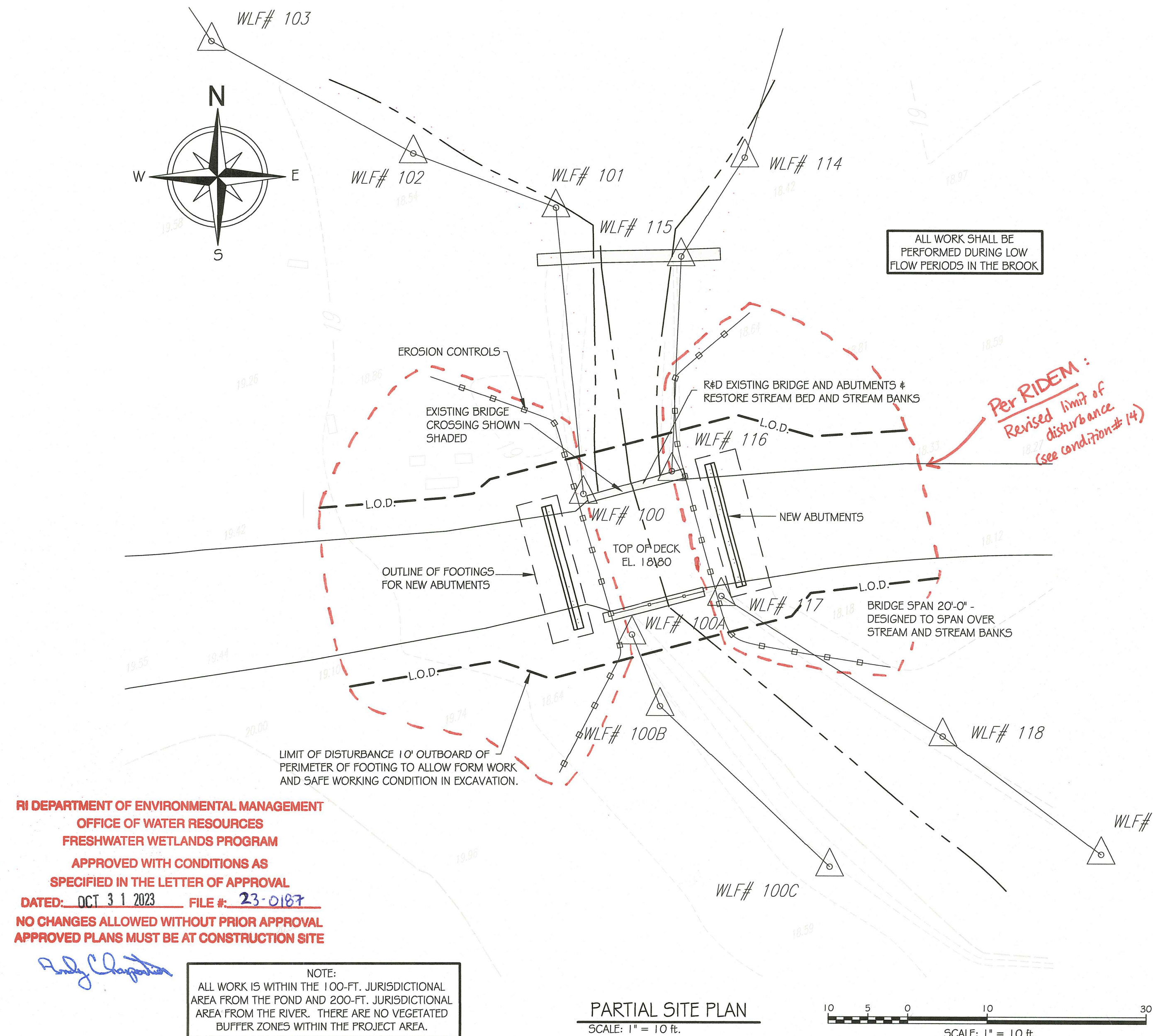
SLOPE INTERRUPTION



PERIMETER CONTROL & OVERLAPPING



SILT SOCK INSTALLATION GUIDELINES



SHORING NOTE A

THE G.C. SHALL INSTALL TEMPORARY SHORING DURING CONSTRUCTION PRIOR TO REMOVING ANY EXISTING LOAD BEARING MEMBERS. THE DESIGN OF ALL TEMPORARY SHORING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL REQUIRED SHORING SHALL REMAIN IN PLACE UNTIL NEW PERMANENT STRUCTURAL MEMBERS ARE COMPLETELY INSTALLED AND BUILDING LOADS HAVE BEEN TRANSFERRED TO THE NEW STRUCTURAL MEMBERS.

ABBREVIATIONS:

AB	ANCHOR BOLT	LLV	LONG LEG VERTICAL
ADDL	ADDITIONAL	LP	LOW POINT
ALT	ALTERNATE	MAX	MAXIMUM
ALUM	ALUMINUM	MECH	MECHANICAL
ARCH	ARCHITECTURAL	MFR	MANUFACTURER
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS	MIN	MINIMUM
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	NTS	NOT TO SCALE
BM	BEAM	OAL	OVER ALL LENGTH
BOF	BOTTOM OF FOOTING	OC	ON CENTER
BOT,B	BOTTOM	OF	OUTSIDE FACE
CL	CONSTRUCTION JOINT	O.H.D.	OVERHEAD DOOR
CLR	CLEAR	OPENING	OPENING
CL	CENTERLINE	PCF	PIECE
CMU	CONCRETE MASONRY UNIT	PSF	POUNDS PER CUBIC FEET
COL	COLUMN	PLT	PREMOLDED JOINT FILLER
CONC	CONCRETE	PROJ	PROJECTION
CONT	CONTINUOUS	PSF	POUNDS PER SQUARE FEET
DEG	DEGREE	PSI	POUNDS PER SQUARE INCH
DET	DETAIL	P.T.	PRESSURE TREATED
DIA	DIAMETER	SECT	SECTION
DIR	DIRECTION	SFCS	SPECIFICATIONS
DN	DOWN	SIM	SIMILAR
DWG	DRAWING	SOE	SUPPORT OF EXCAVATION
DWL	DOWEL	SO	SQUARE
EA	EACH	SS	STAINLESS STEEL
EF	EACH FACE	SSPC	STEEL STRUCTURES PAINTING COUNCIL
EJ	EXPANSION JOINT	STD	STANDARD
ELEV	ELEVATION	STL	STEEL
EW	EACH WAY	STRUCT	STRUCTURAL
EXTG	EXISTING	SYM	SYMMETRICAL
FD	FLOOR DRAIN	THK	THICK
FF	FAR FACE	TOC	TOP OF CONCRETE
FIN	FINISH	TOF	TOP OF FOUNDATION
FL	FLOOR	TOW	TOP OF WALL
FTG	FOOTING	TO5	TOP OF SLAB or TOP OF STEEL
GALV	GALVANIZE (HOT-DIP)	TR	TREADS
HDG	HOT DIPPED GALVANIZED	TY	TYPICAL
HORIZ, H	HORIZONTAL	UNLESS NOTED OTHERWISE	
HH	HEAVY HEX	VERT,V	VERTICAL
HP	HIGH POINT	WS	WATERSTOP, WATER SURFACE
IF	INSIDE FACE	WWF	WELDED WIRE FABRIC
LG	LONG		
LLH	LONG LEG HORIZONTAL		

2. SHOW PROPOSED LIMIT OF DISTURBANCE # EROSION CONTROLS. (06/23/23)
 1. INCREASE SPAN TO BRIDGE OVER STREAM AND BANKS # SUPPORT ON INDIVIDUAL PILES. TO ELIMINATE DISTURBANCE. (03/23)

Revisions:



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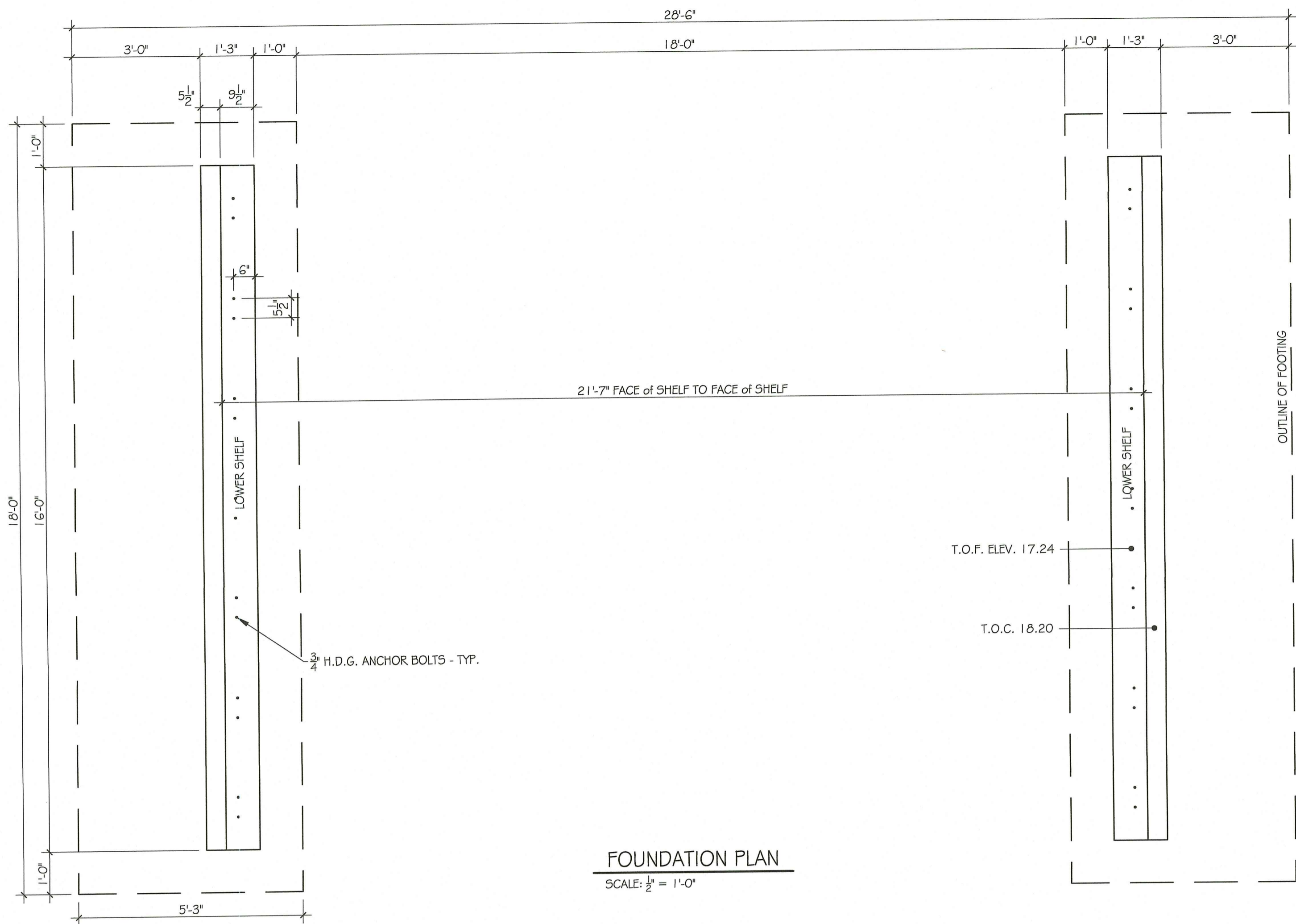
Drawn: RSTJ
 Checked: N.T.S.
 Scale: N.T.S.
 DATE: Jan. 27, 2023

Prepared For:
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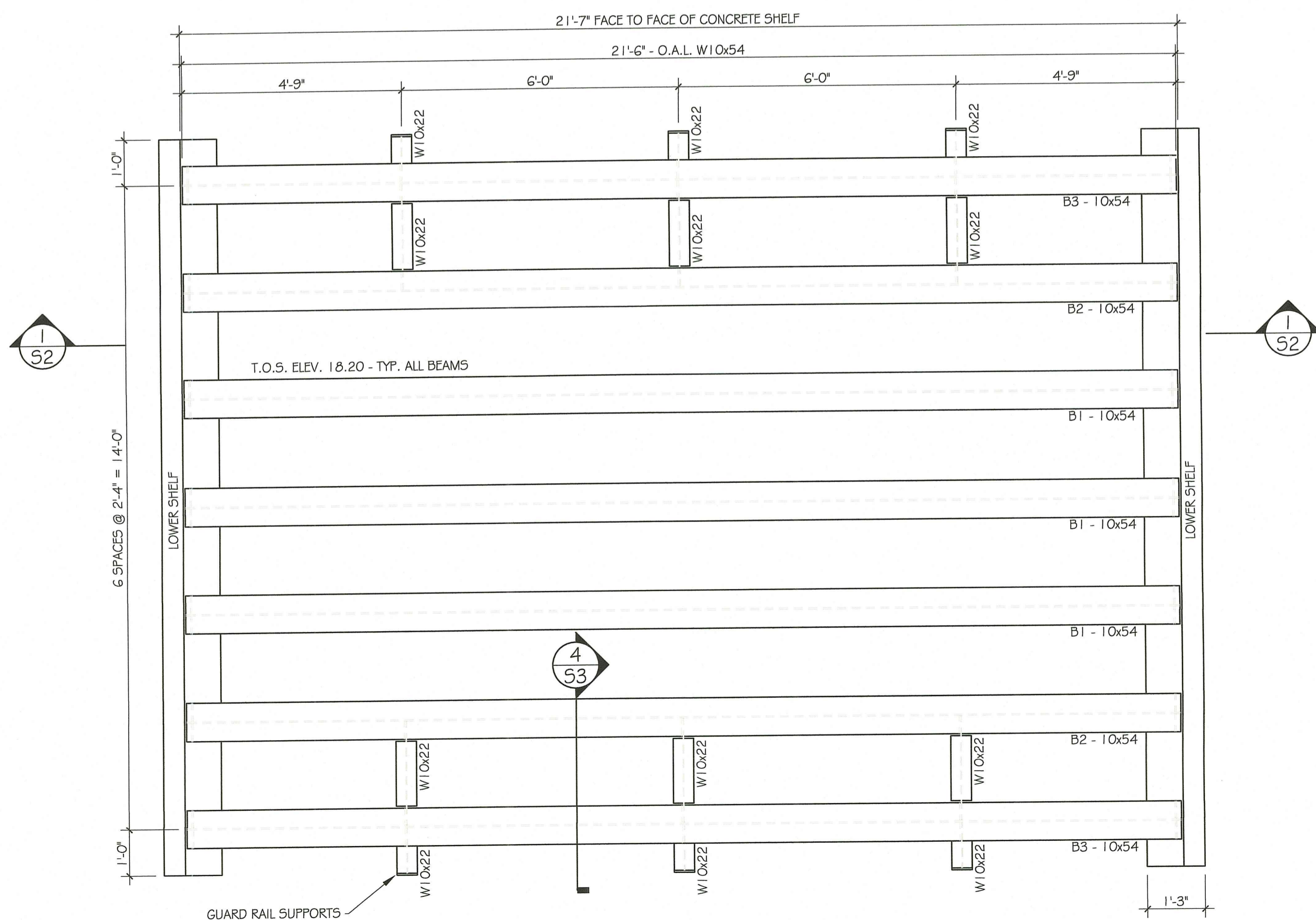
Brook Crossing

DWG. NO.
S1
 SHT. 1 OF 3

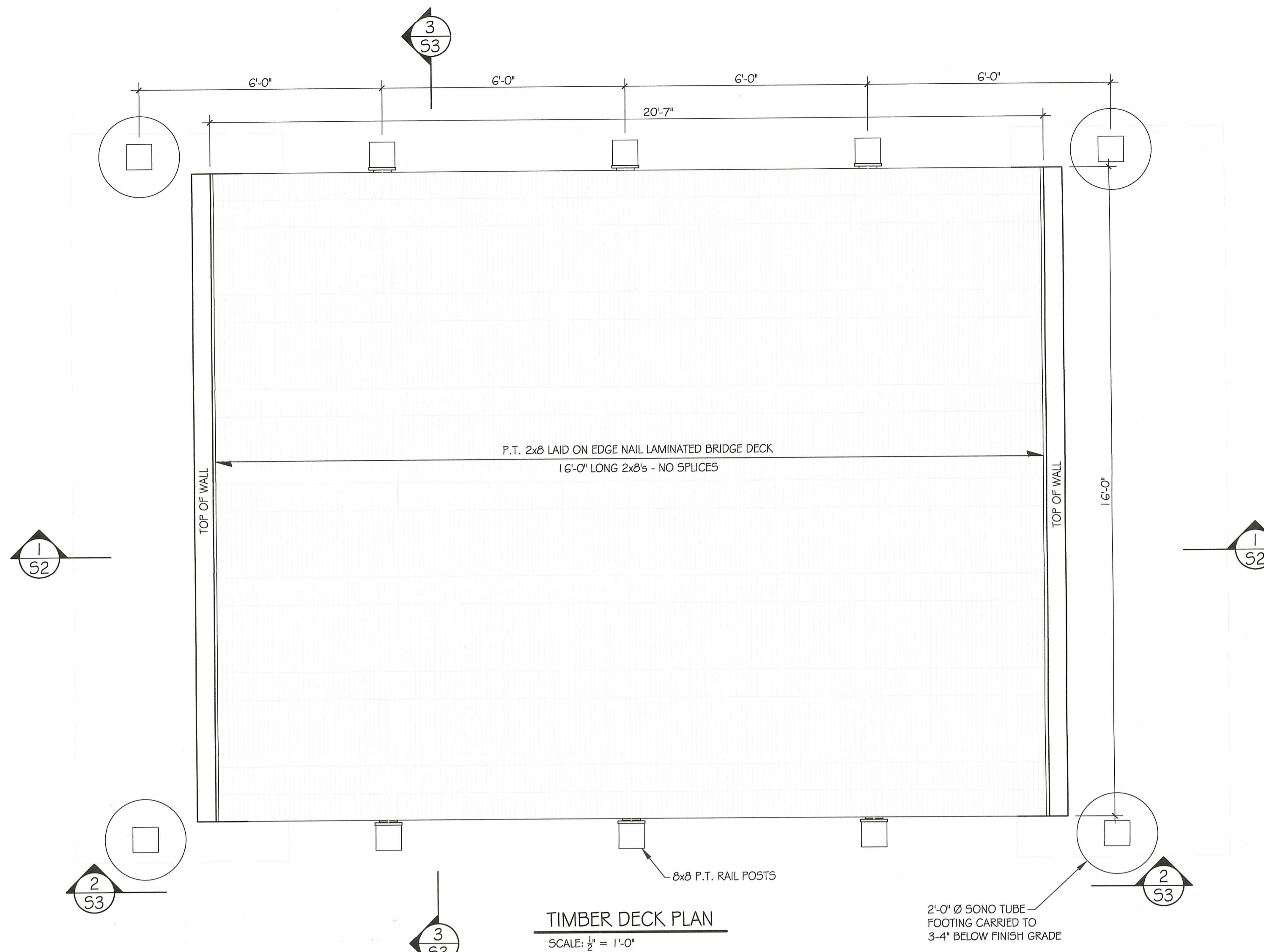
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FOUNDATION PLAN
SCALE: 1/2" = 1'-0"

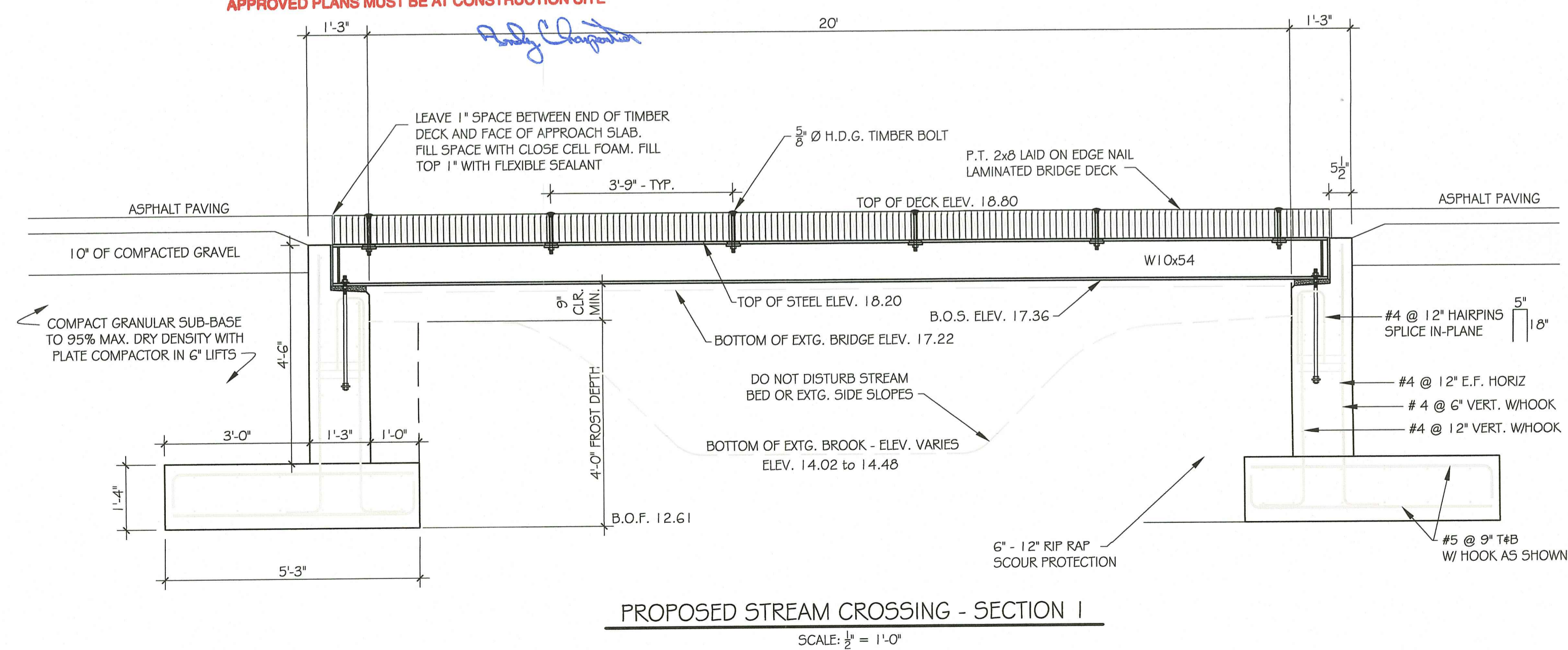


BRIDGE GIRDER PLAN
SCALE: 1/2" = 1'-0"



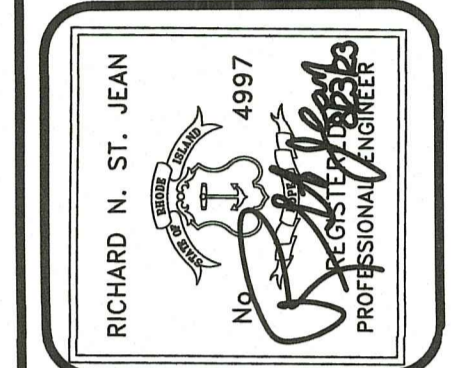
TIMBER DECK PLAN
SCALE: 1/2" = 1'-0"

RI DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
FRESHWATER WETLANDS PROGRAM
APPROVED WITH CONDITIONS AS
SPECIFIED IN THE LETTER OF APPROVAL
DATED: OCT 31 2023 FILE #: 23-0187
NO CHANGES ALLOWED WITHOUT PRIOR APPROVAL
APPROVED PLANS MUST BE AT CONSTRUCTION SITE



PROPOSED STREAM CROSSING - SECTION I
SCALE: 1/2" = 1'-0"

Revisions:
2. SHOW PROPOSED LIMIT OF DISTURBANCE + EROSION CONTROLS. (8/23/23)
1. INCREASE SPAN TO BRIDGE OVER STREAM AND BANKS + SUPPORT ON INDIVIDUAL FIGS. TO ELIMINATE DISTURBANCE. (8/23/23)



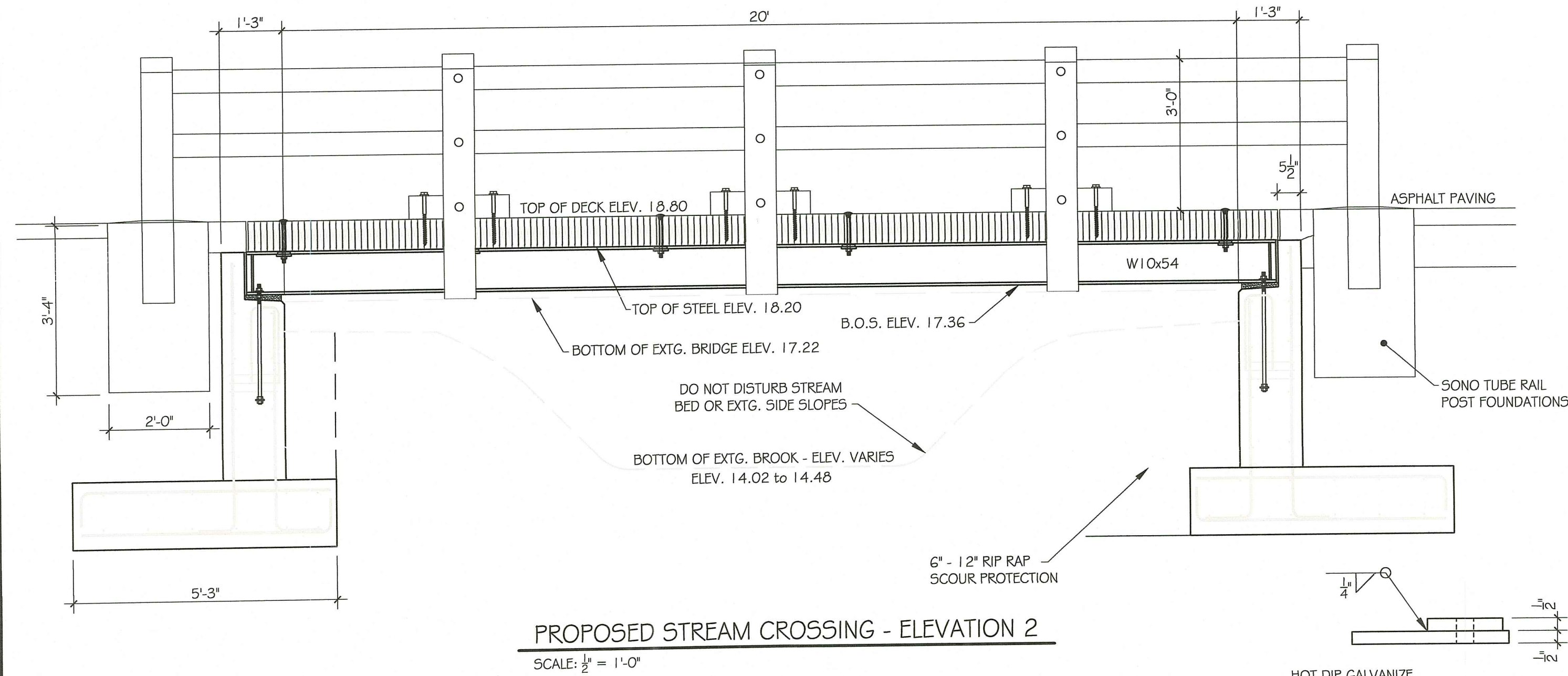
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Drawn: RSTJ
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Scale: 1/4" = 1'-0" (CON)
DATE: Jan. 27, 2023

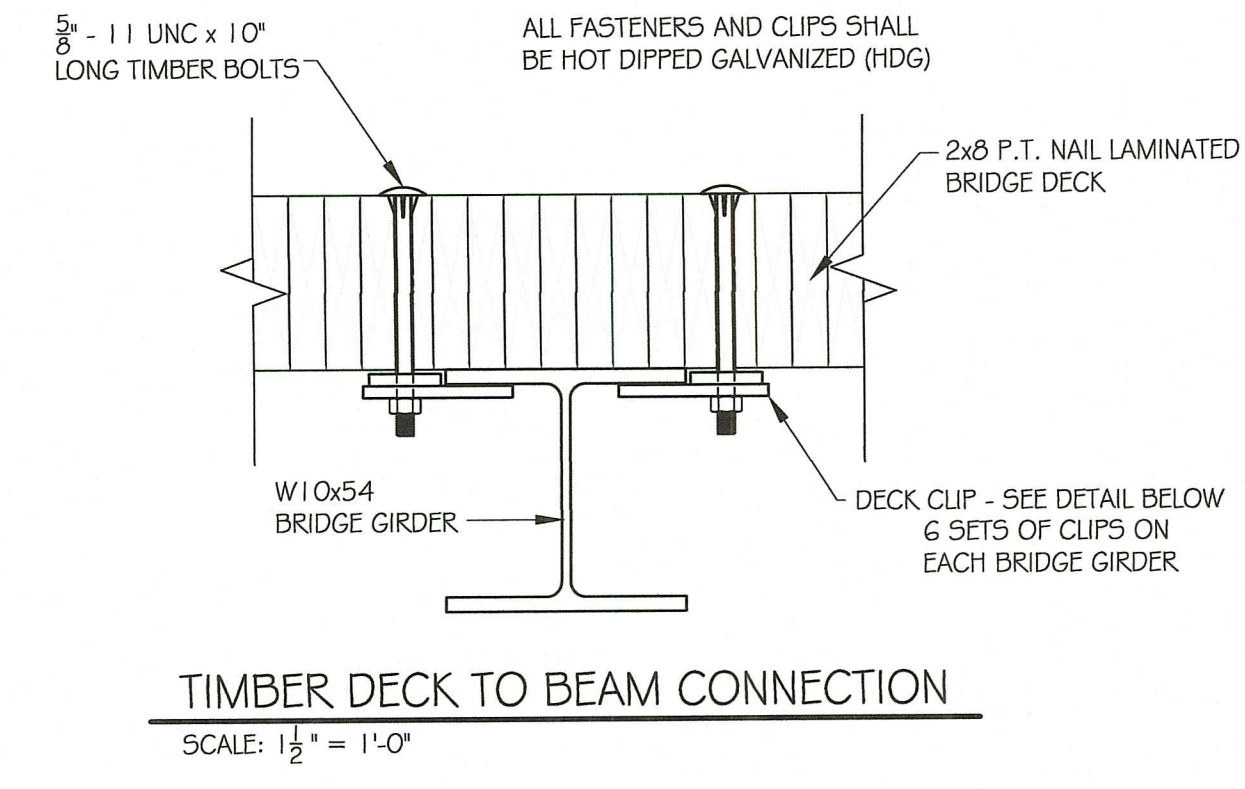
Prepared For:
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123 Howland Avenue
Middletown, Rhode Island 02842

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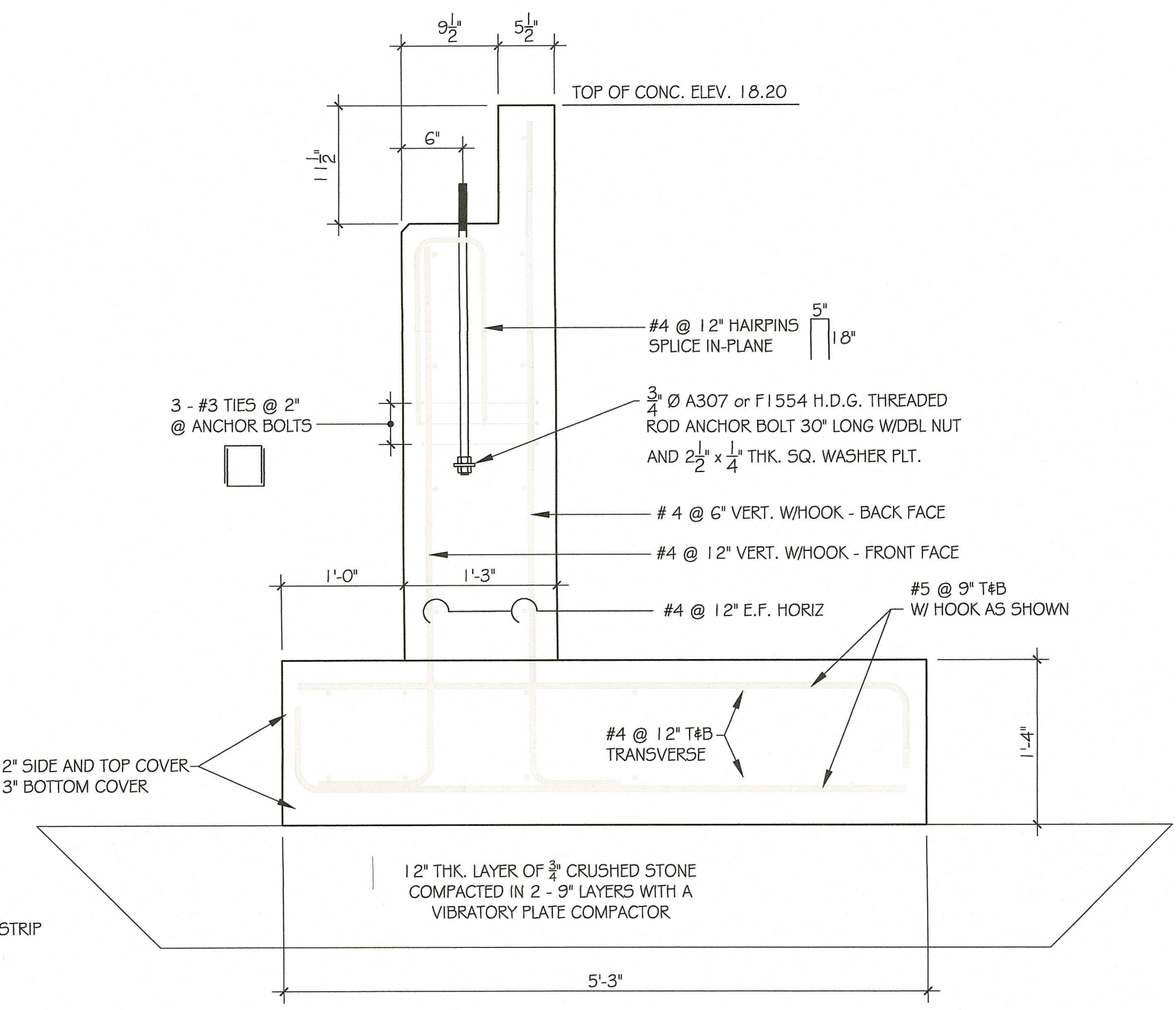
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SHT. 2 OF 3



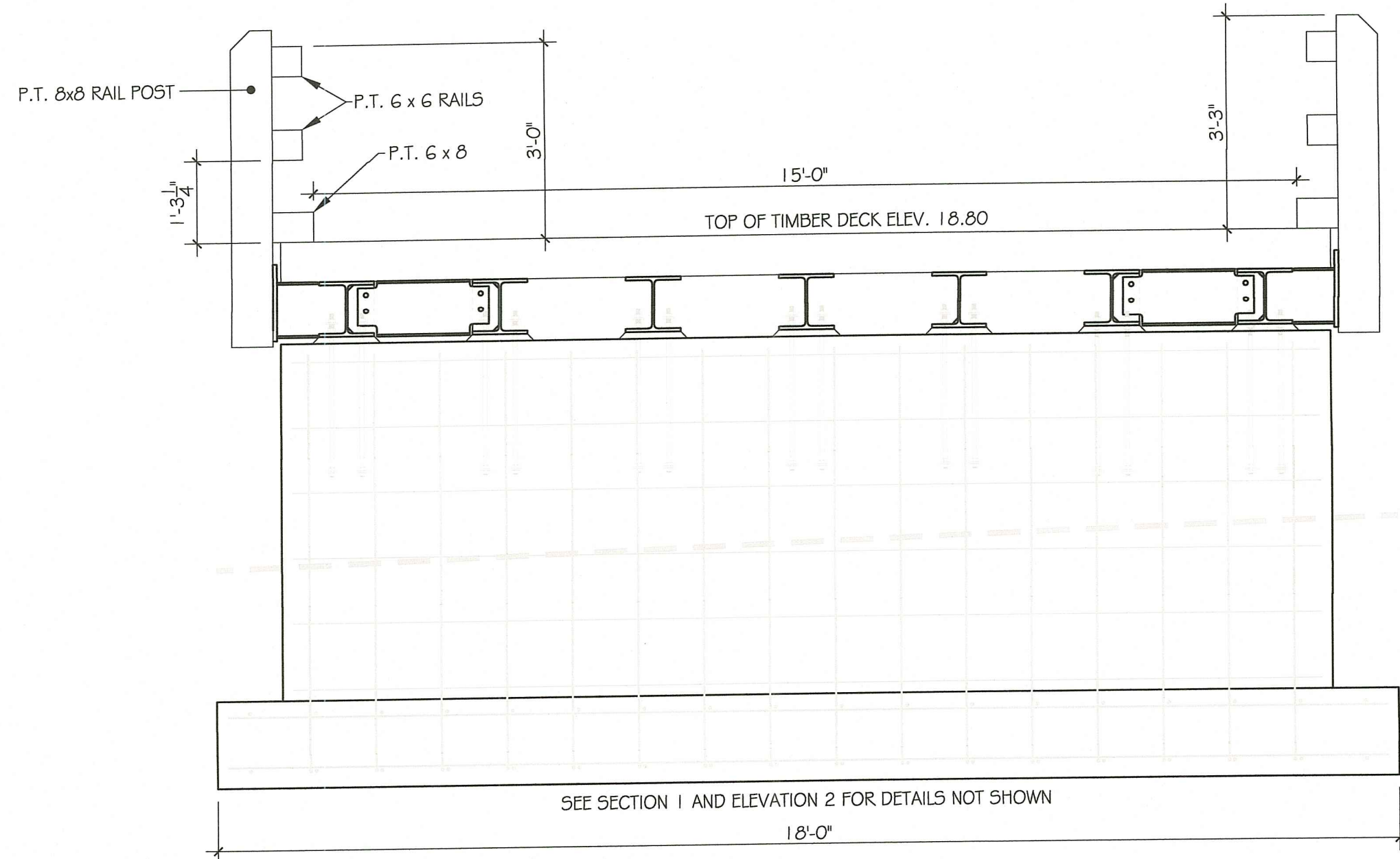
PROPOSED STREAM CROSSING - ELEVATION 2
SCALE: 1/2" = 1'-0"



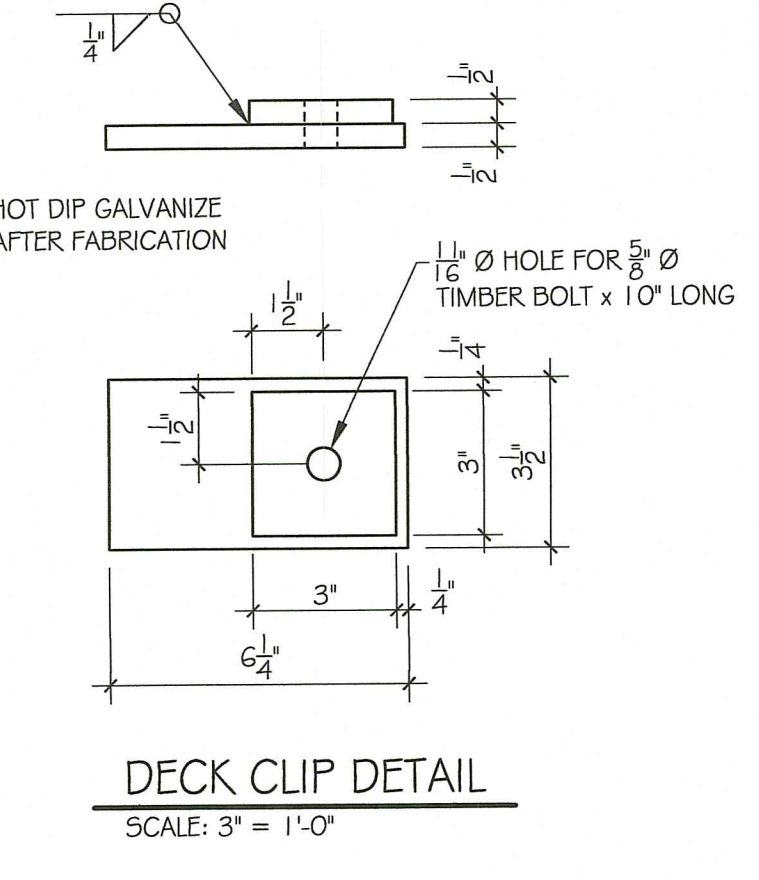
TIMBER DECK TO BEAM CONNECTION
SCALE: 1 1/2" = 1'-0"



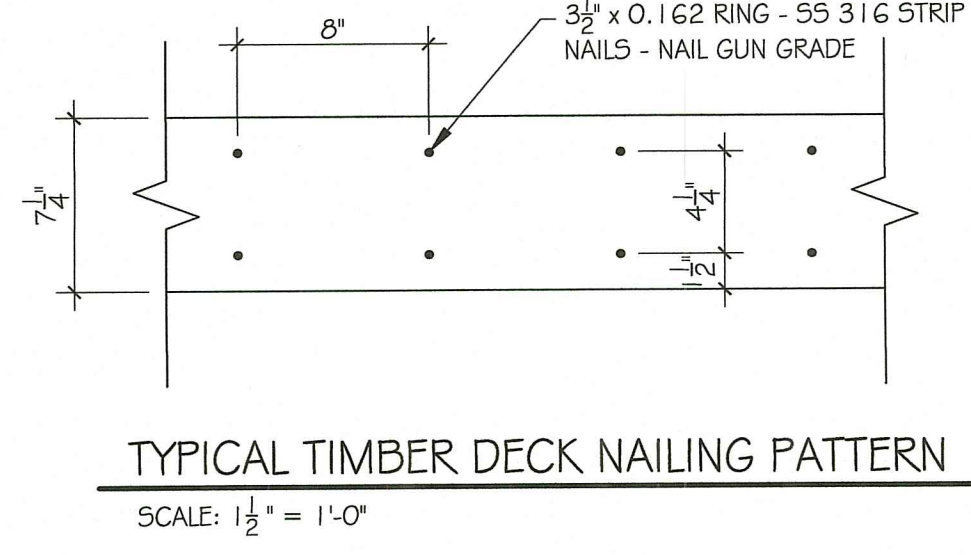
ABUTMENT WALL DETAIL
SCALE: 1" = 1'-0"



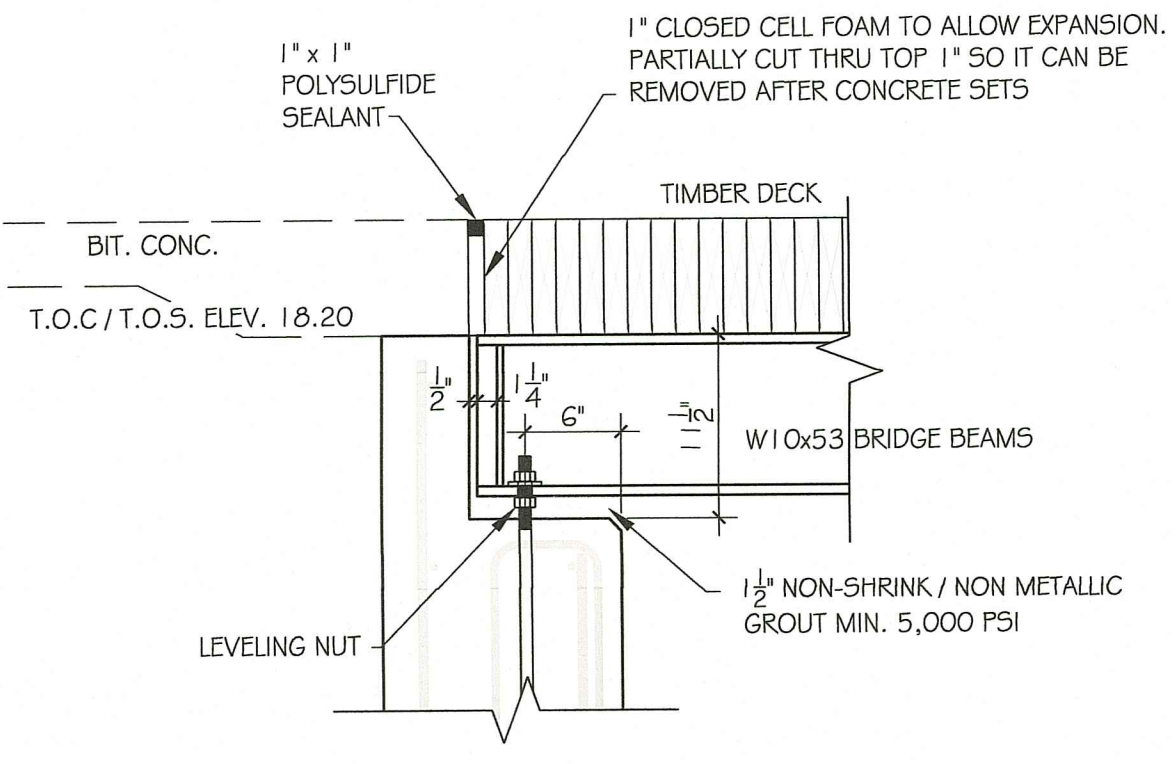
SECTION 3
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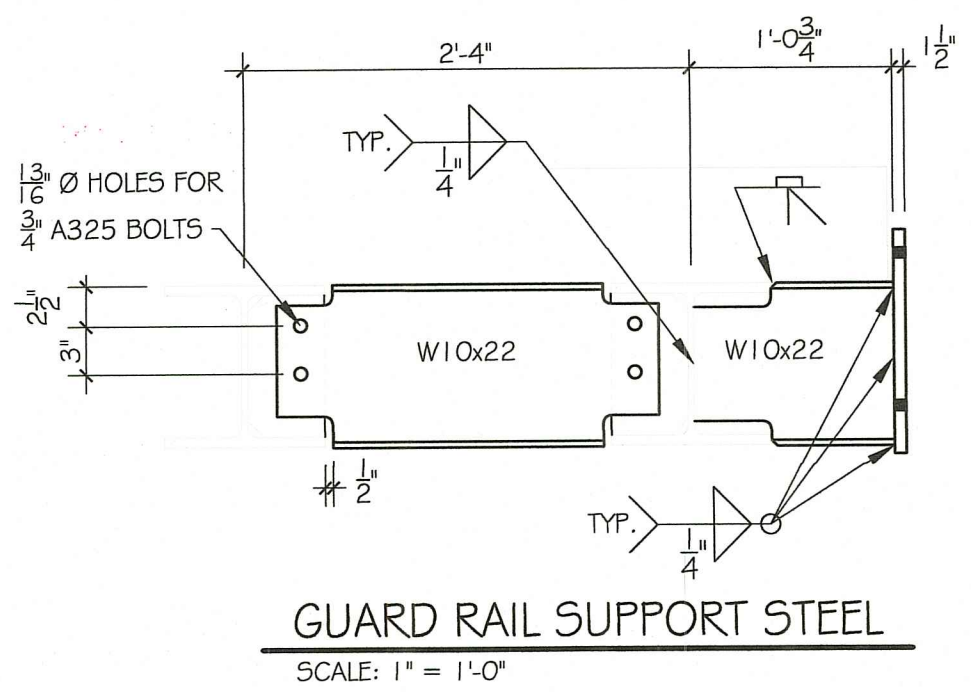
DECK CLIP DETAIL
SCALE: 3" = 1'-0"



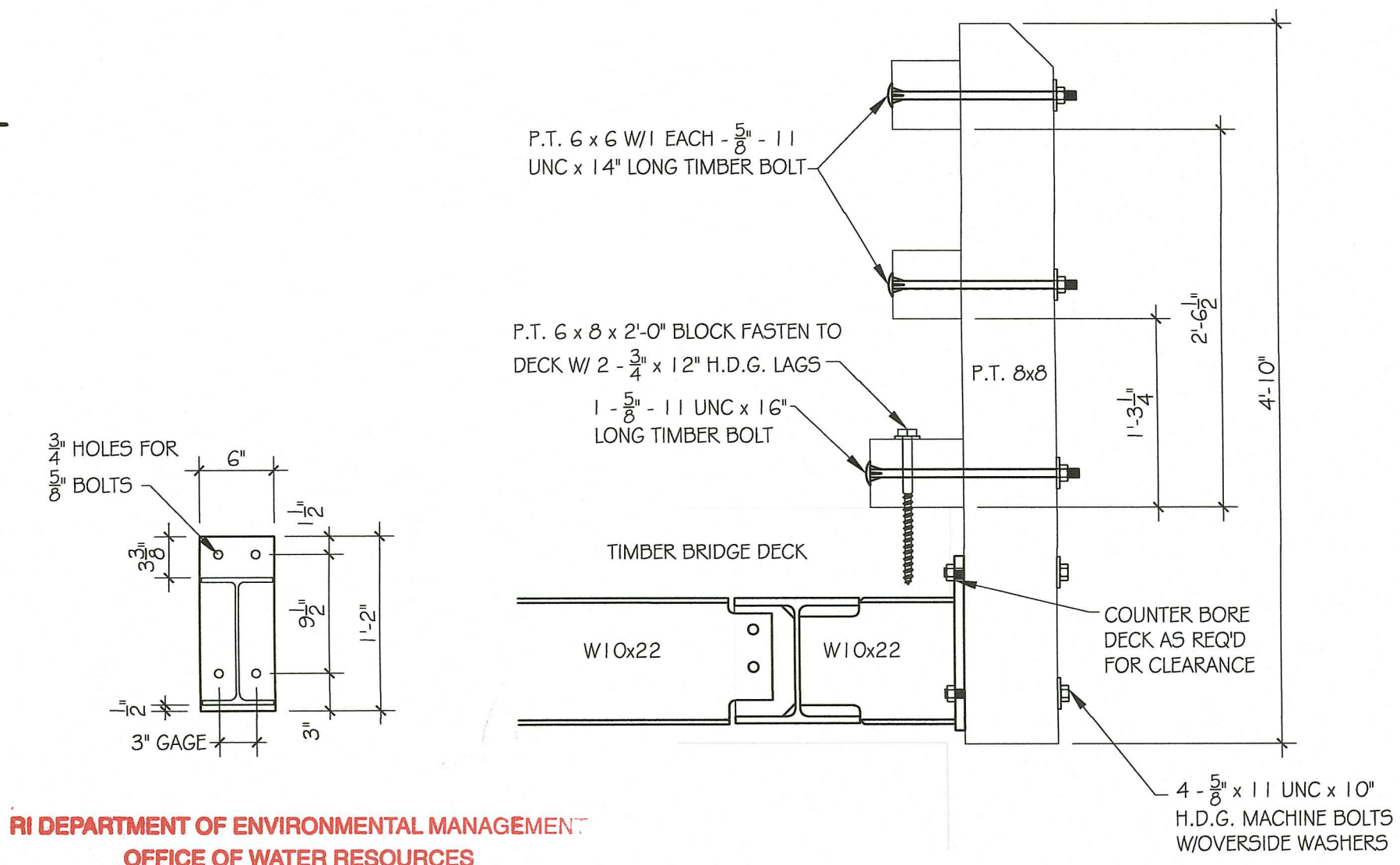
TYPICAL TIMBER DECK NAILING PATTERN
SCALE: 1 1/2" = 1'-0"



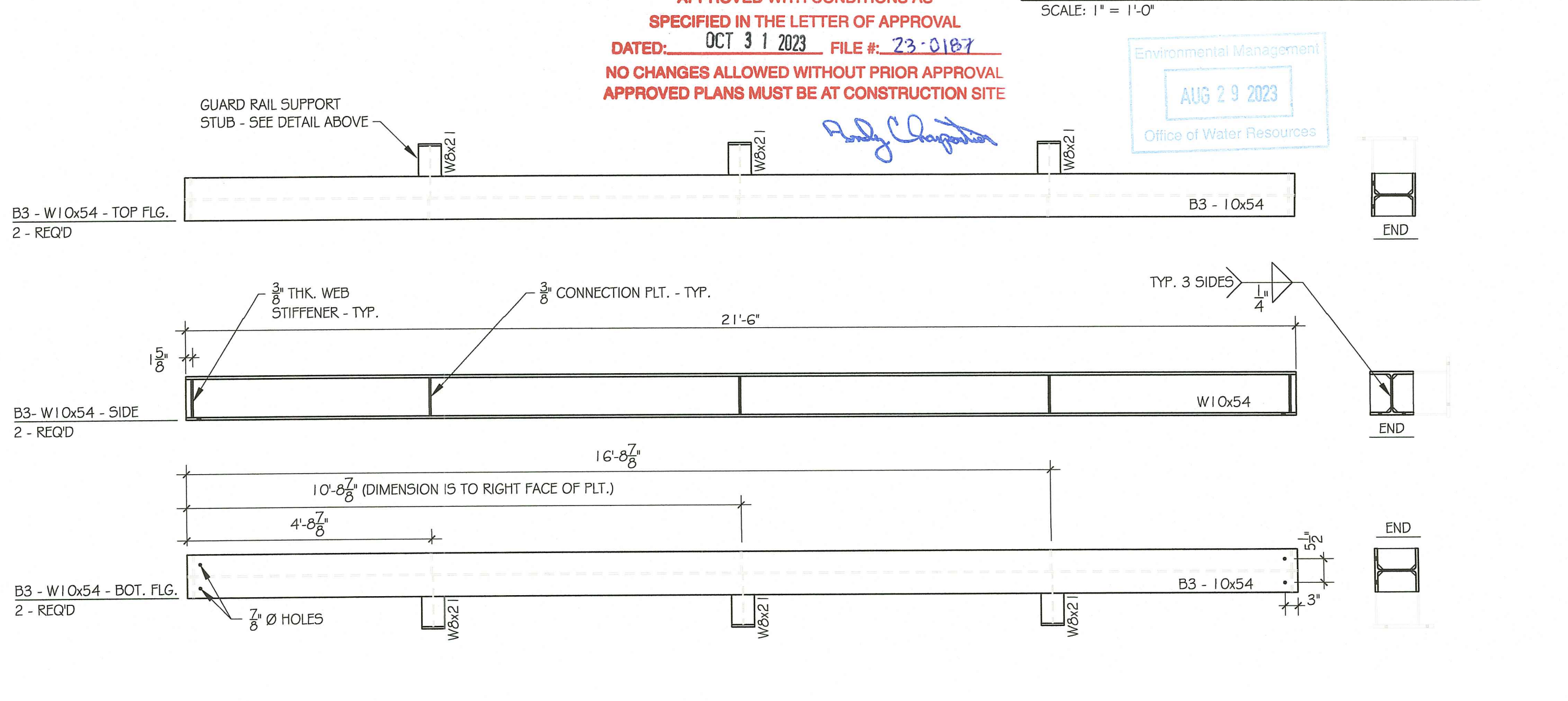
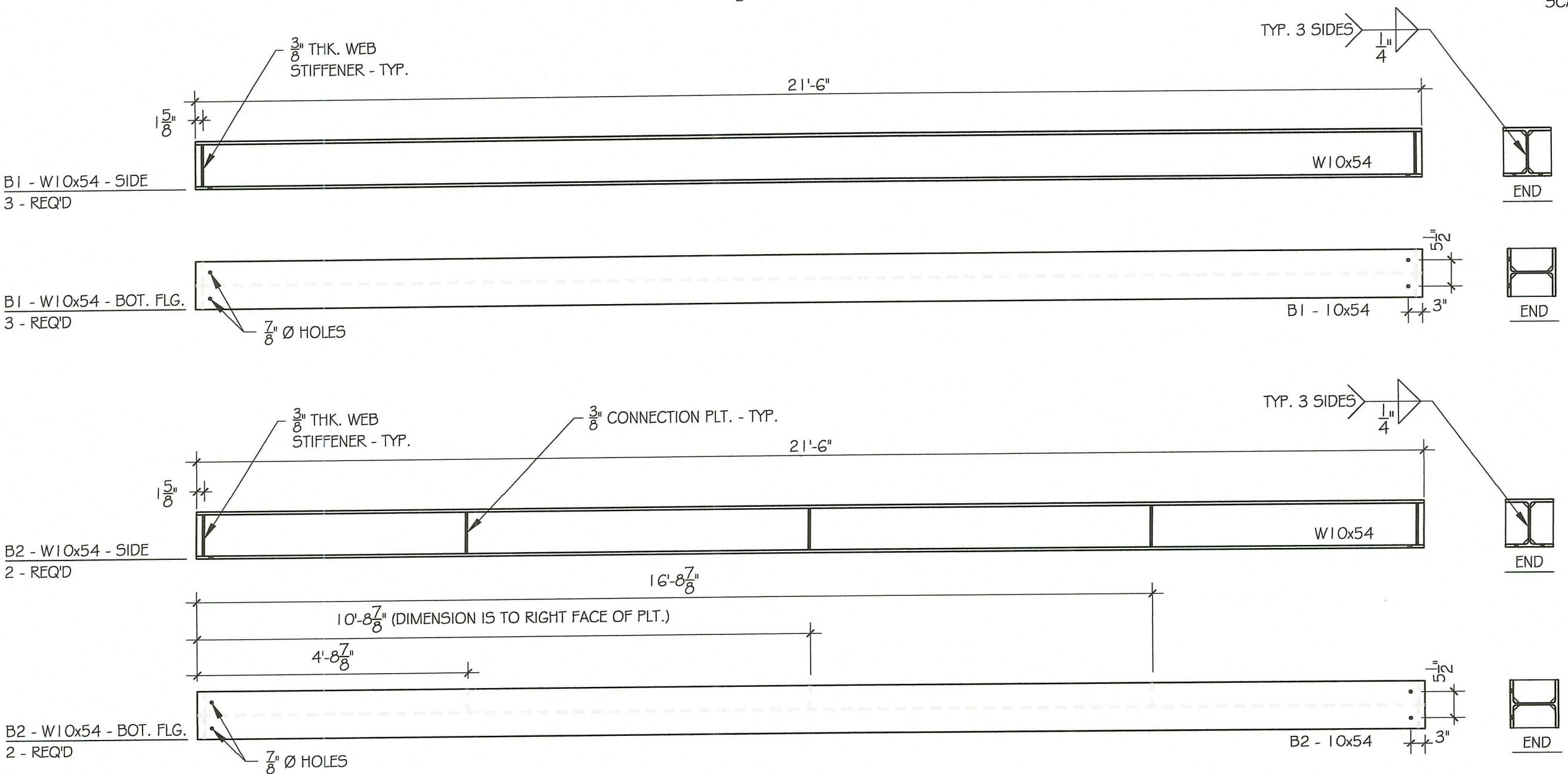
TYP. BEAM SEAT
SCALE: 1" = 1'-0"



GUARD RAIL SUPPORT STEEL
SCALE: 1" = 1'-0"



TYP. RAIL POST & RAIL(S) CONNECTION
SCALE: 1" = 1'-0"



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Environmental Management
AUG 29 2023
Office of Water Resources

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1. INCREASE SPAN TO BRIDGE OVER STREAM AND BANKS + SUPPORT ON INDIVIDUAL PILES. TO ELIMINATE DISTURBANCE. (8/23/23)

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S3
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Sections & Details

Brook Crossing