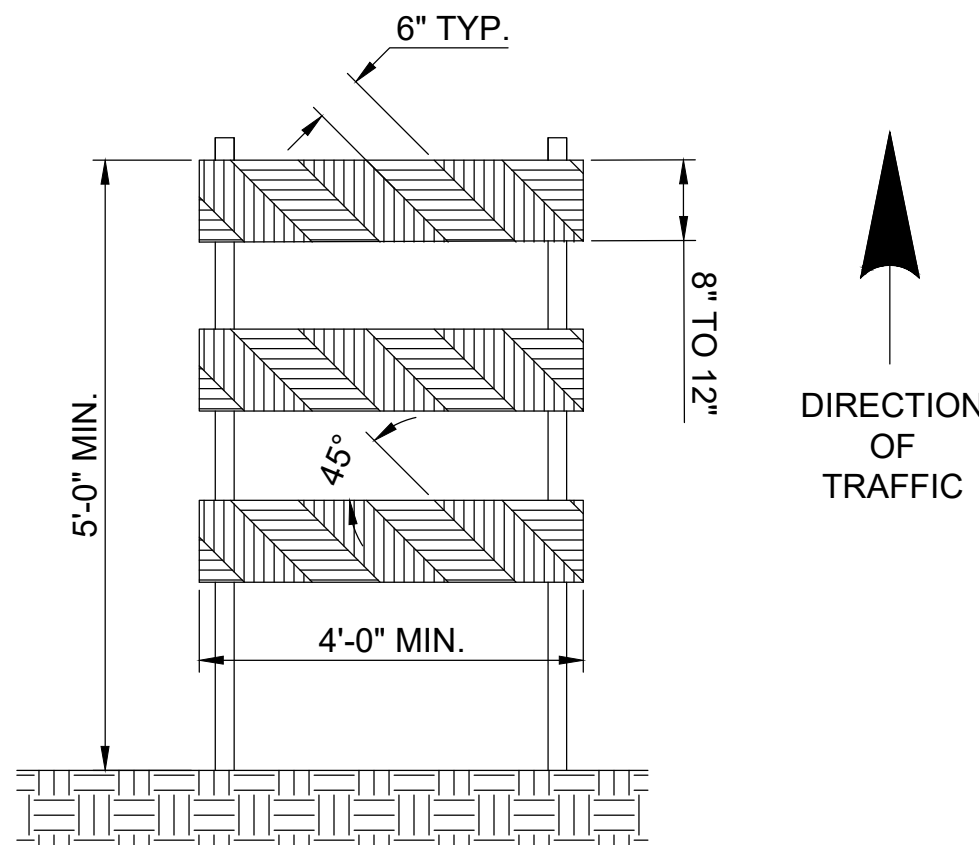
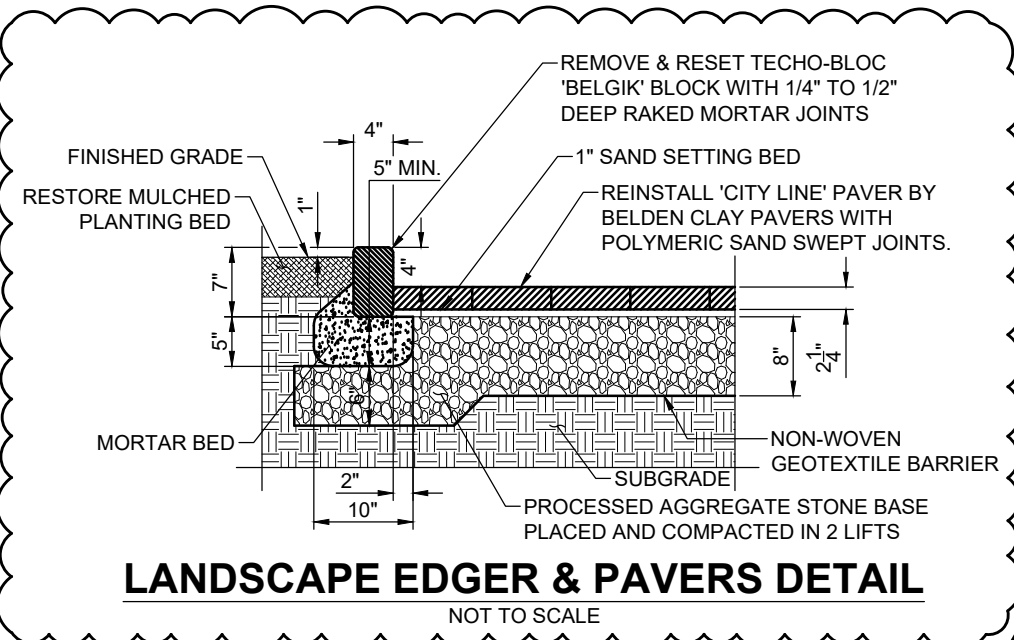


NOTES:

- CONSTRUCTION BARRICADES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH AND THE LATEST EDITION OF THE MUTCD.
- MARKINGS FOR BARRICADE RAILS SHALL BE ALTERNATE FLUORESCENT ORANGE AND WHITE STRIPES SLOPING DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS. 6" WIDE STRIPES SHALL BE USED.
- THE ENTIRE AREA OF FLUORESCENT ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS. THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.
- THE ENGINEER RESERVES THE RIGHT TO REJECT ANY BARRICADE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
- CORNERS OF BARRICADE RAILS SHALL BE ROUNDED.
- SIGNS MAY ONLY BE INSTALLED ON TYPE III BARRICADES AND SHALL BE PLACED SO AS TO COVER NO MORE THAN ONE BARRICADE RAIL.



TYPE III BARRICADE



LANDSCAPE EDGER & PAVERS DETAIL

NOT TO SCALE

STOP DOT 31-0552*

ROAD CLOSED DOT 80-9080 *
* SIGN TO BE MOUNTED ON PORTABLE SUPPORT

TYPE III CONSTRUCTION BARRICADE WITH BARRICADE WARNING LIGHTS (HIGH)

NOTE:

EXISTING CONDITION PLAN TAKEN FROM IMPROVEMENT LOCATION SURVEY. RECORD DWG 1 OF 1, DATED JANUARY 8, 2022 PREPARED BY MILONE & MACBROOM, CHESHIRE CT.

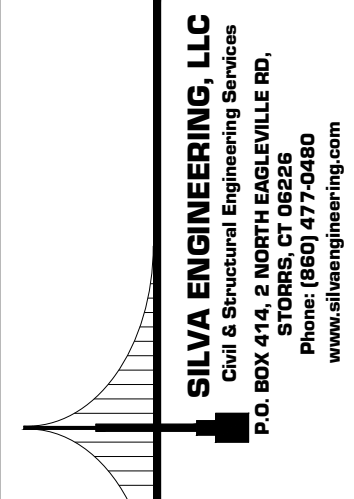
NOTES

- INSTALL SIGNS AND BARRICADES PRIOR TO START OF CONSTRUCTION.
- TEMPORARY SIGNS AND TEMPORARY TRAFFIC PROTECTIVE DEVICES SHALL REMAIN IN PLACE FOR ENTIRE DURATION OF PROJECT.
- ALL SIGNS SHALL CONFORM TO THE MANUAL ON TRAFFIC CONTROL DEVICES (MUTCD), 2009 EDITION, LATEST REVISION.
- INSTALL & MAINTAIN EROSION CONTROL MEASURES, INCLUDING SILT FENCE, AROUND ALL LAY DOWN AREAS TO PROTECT WETLANDS.

SIGN LEGEND

R1-1					
COPY & BORDER - WHITE BACKGROUND - RED					
	AREA SQ.FT	SIZE (INCHES)	CONN D.O.T. #	POSTS	QTY
	5.19	30	31-0552	1	1

R11-2					
COPY & BORDER - BLACK BACKGROUND - WHITE					
	AREA SQ.FT	SIZE (INCHES)	CONN D.O.T. #	POSTS	QTY
	10.0	48X30	80-9080	2	1



CONSTRUCTION AREA PLAN

TOWN OF SIMSBURY, CT
REHABILITATION OF BRIDGE NO. 03984 (FLOWER BRIDGE)
OLD BRIDGE RD. OVER FARMINGTON RIVER

REVISIONS:
10/06/2022 ADDENDUM 1
DETAIL & CALLOUT
ADDED

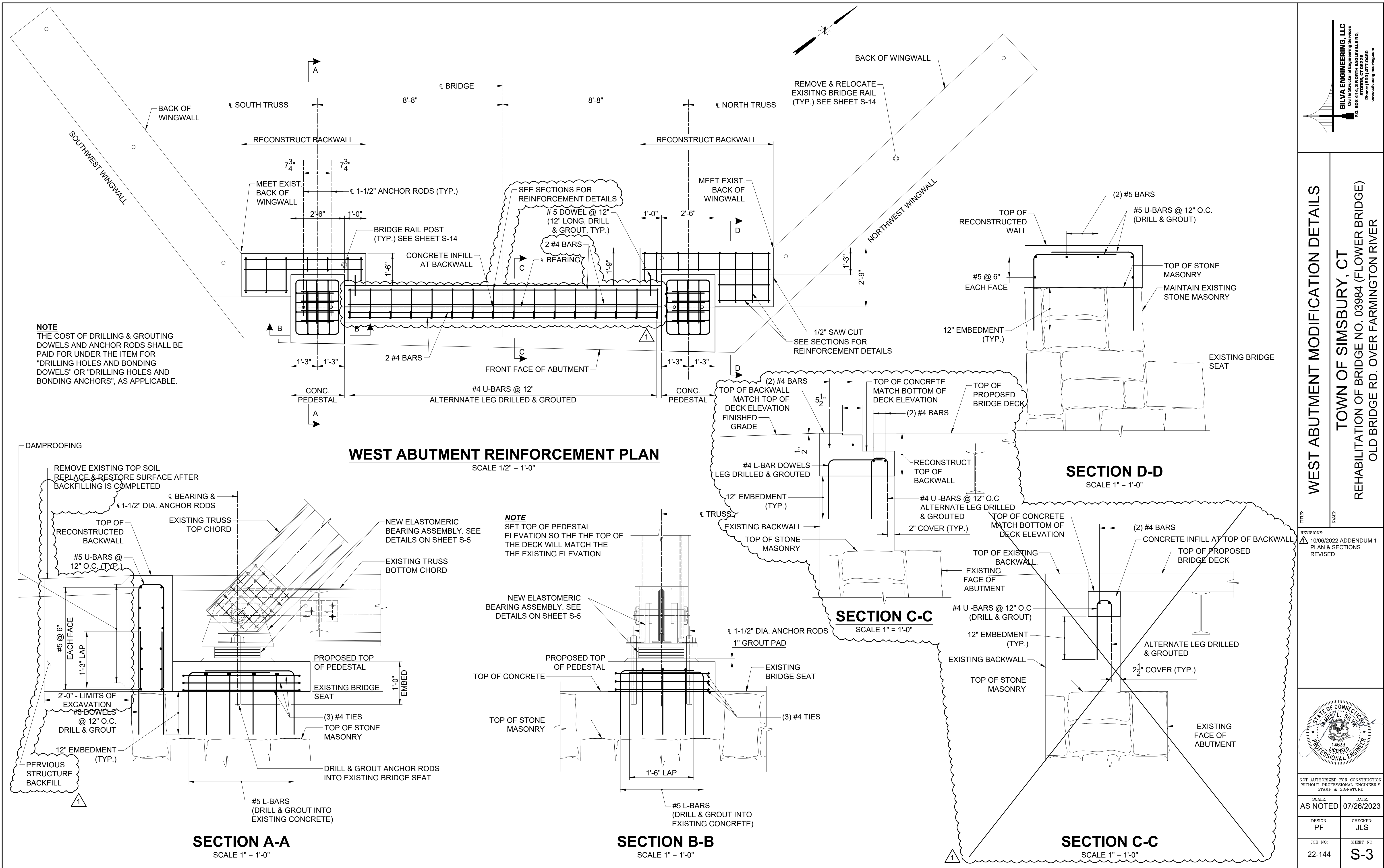


NOT AUTHORIZED FOR CONSTRUCTION
WITHOUT PROFESSIONAL ENGINEER'S
STAMP & SIGNATURE

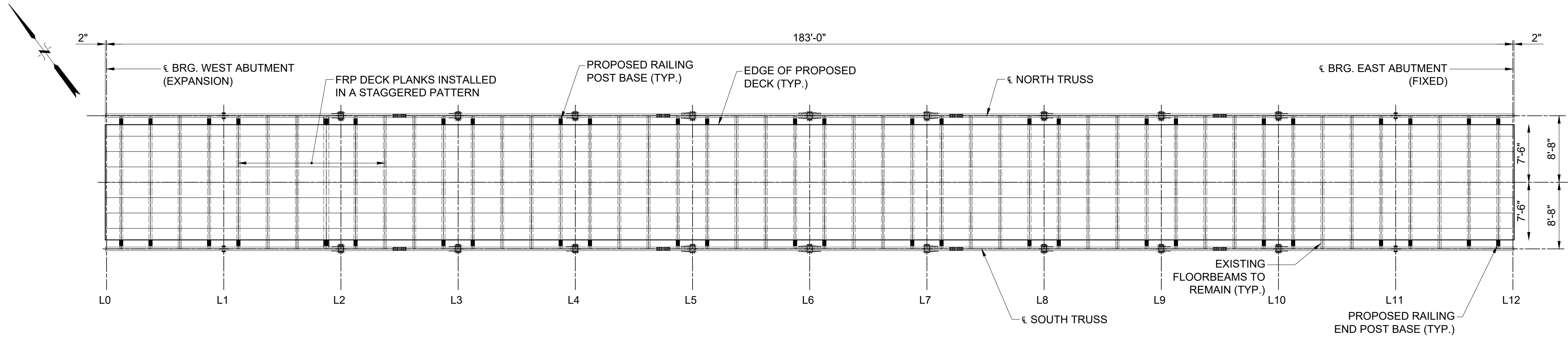
SCALE:	DATE:
AS NOTED	12/19/2022
DESIGN: PF	CHECKED: JLS
JOB NO: 22-144	SHEET NO: PLA-1

CONSTRUCTION AREA PLAN

SCALE: 1" = 30'



PLOT: 10/6/2023 12:47 AM FILE Y:\Projects\2023\22-144_Simsbury_Power Bridge Rehab\Cadd\Current Bldg_Power Bridge_Jbi.dwg

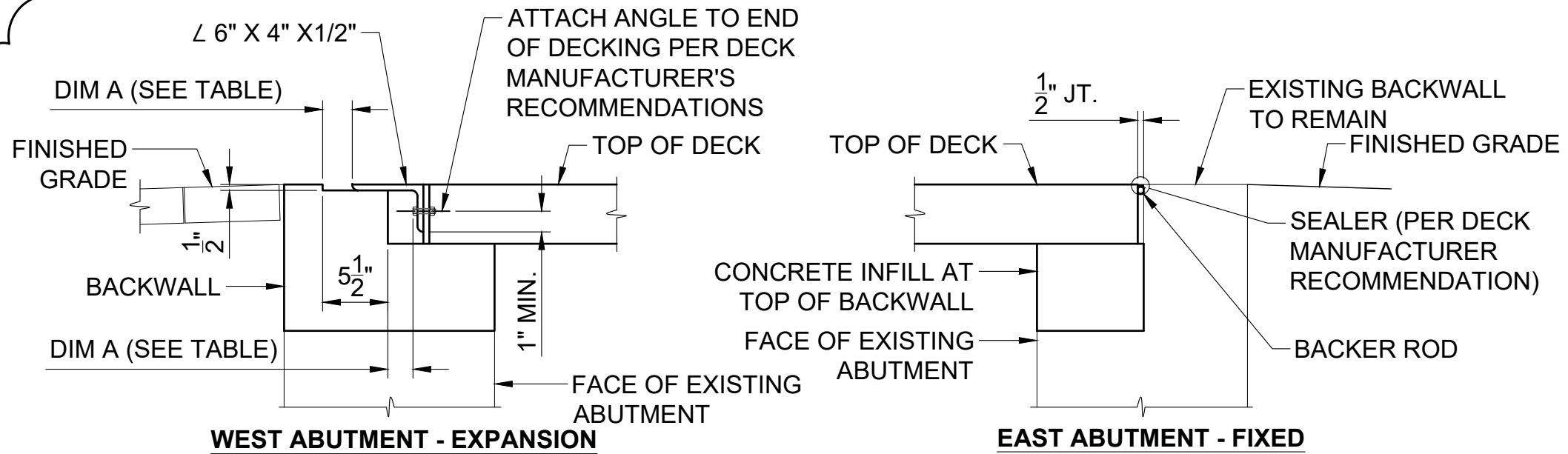


BRIDGE DECK LAYOUT
 SCALE 1/8" = 1'-0"

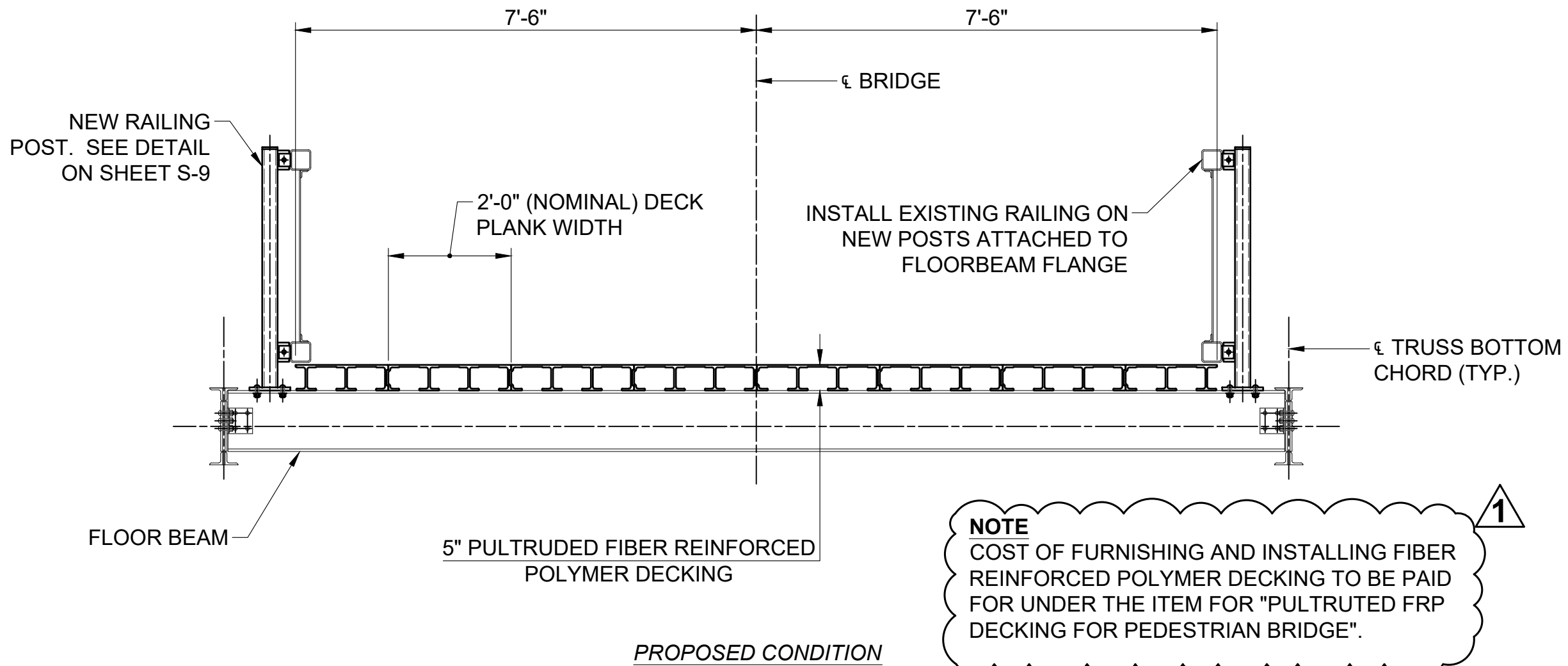
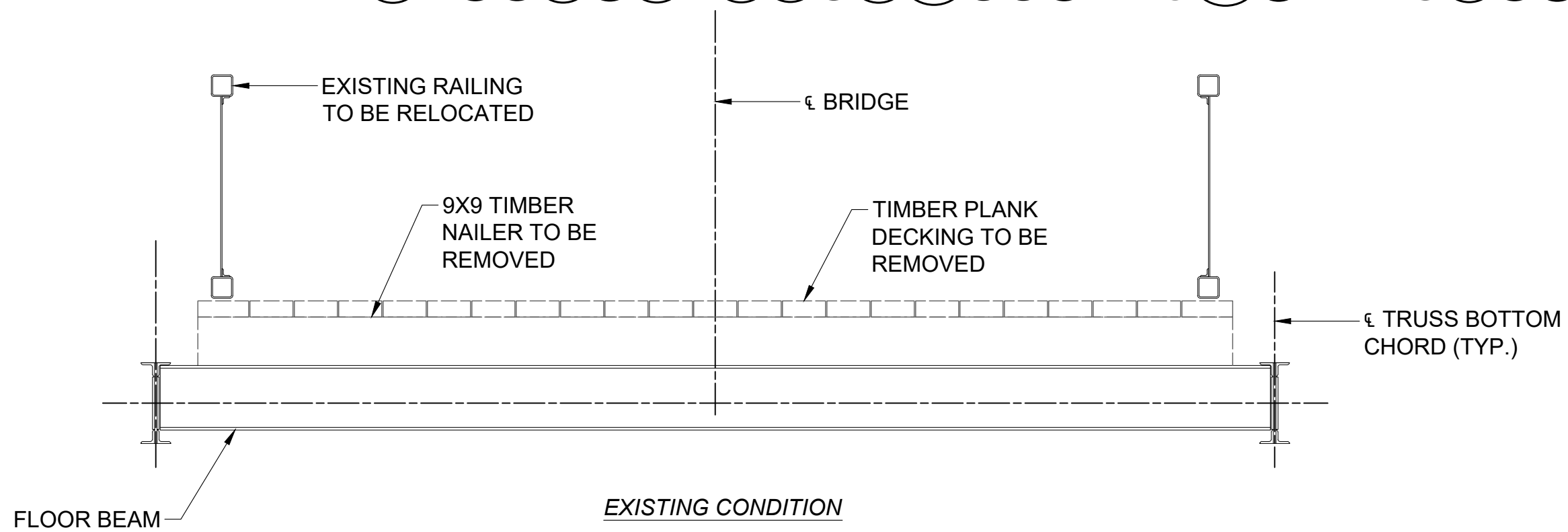
EXP. DECK JOINT DIMENSION AT VARIOUS TEMPERATURES							
AMBIENT TEMPERATURE (F)	90	80	70	60	50	40	30
DIM. A (IN)	0.93	1.07	1.21	1.36	1.5	1.64	1.79

BRIDGE DECK JOINT NOTES

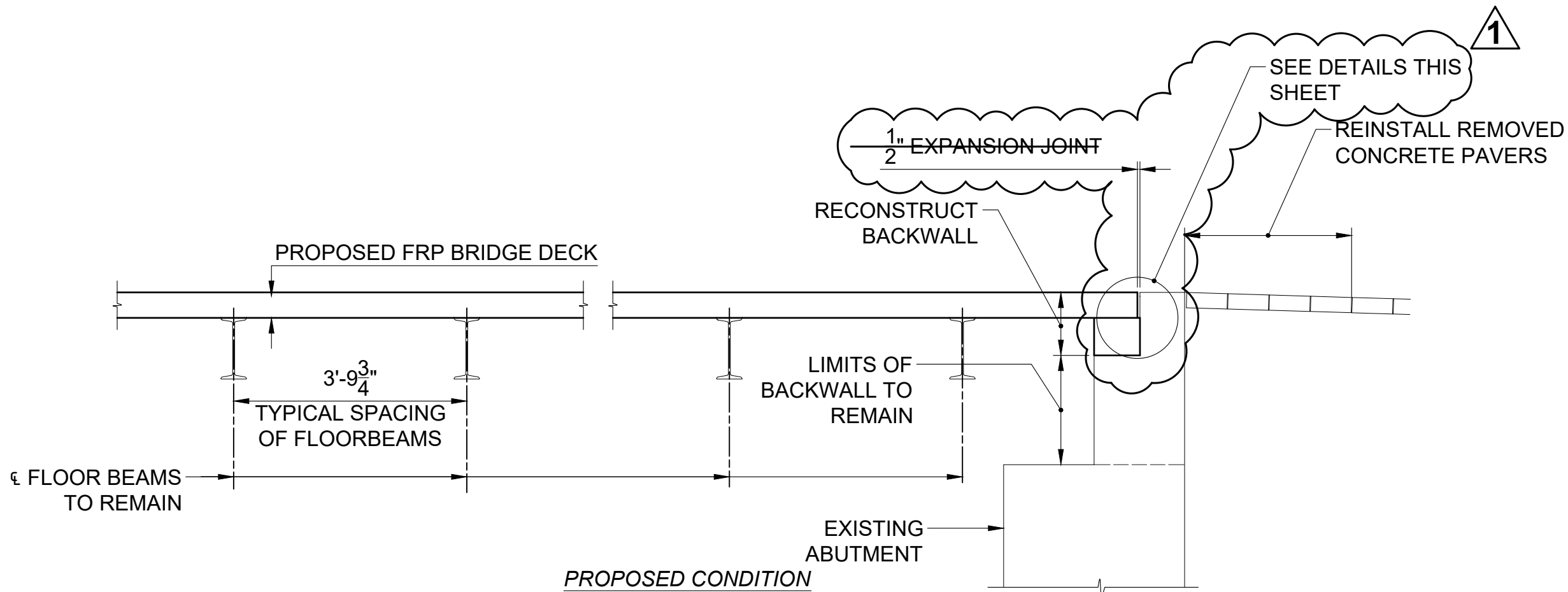
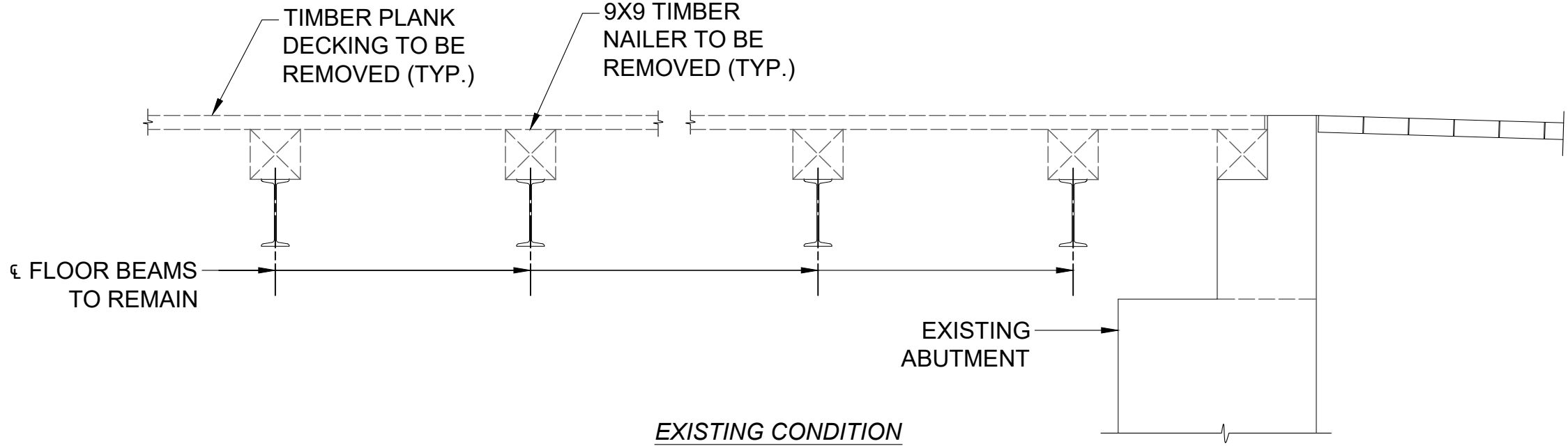
- STEEL ANGLE AT EXPANSION JOINT SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M270, GRADE T2, GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A-123.
- COST OF FURNISHING AND INSTALLING DECK JOINT SHALL ASSEMBLIES SHALL BE INCLUDED UNDER THE ITEM FOR "PULTRUDED FRP DECK FOR PEDESTRIAN BRIDGE".



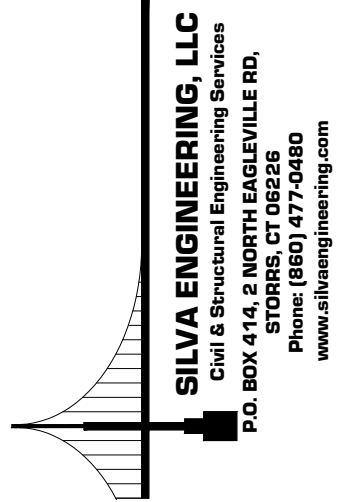
BRIDGE DECK JOINT
 SCALE 1" = 1'-0"



BRIDGE SECTION MODIFICATION
 SCALE 1/2" = 1'-0"



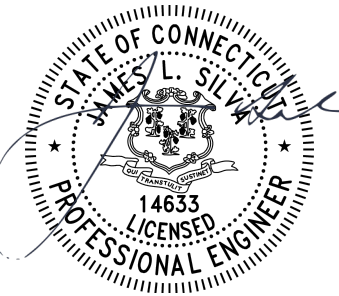
BRIDGE DECK MODIFICATION
 SCALE 1/2" = 1'-0"



BRIDGE DECK PLAN & DETAILS
 BASE BID

TOWN OF SIMSBURY, CT
 REHABILITATION OF BRIDGE NO. 03984 (FLOWER BRIDGE)
 OLD BRIDGE RD. OVER FARMINGTON RIVER

REVISIONS:
 10/06/2022 ADDENDUM 1
 DETAILS REVISED
 & ADDED



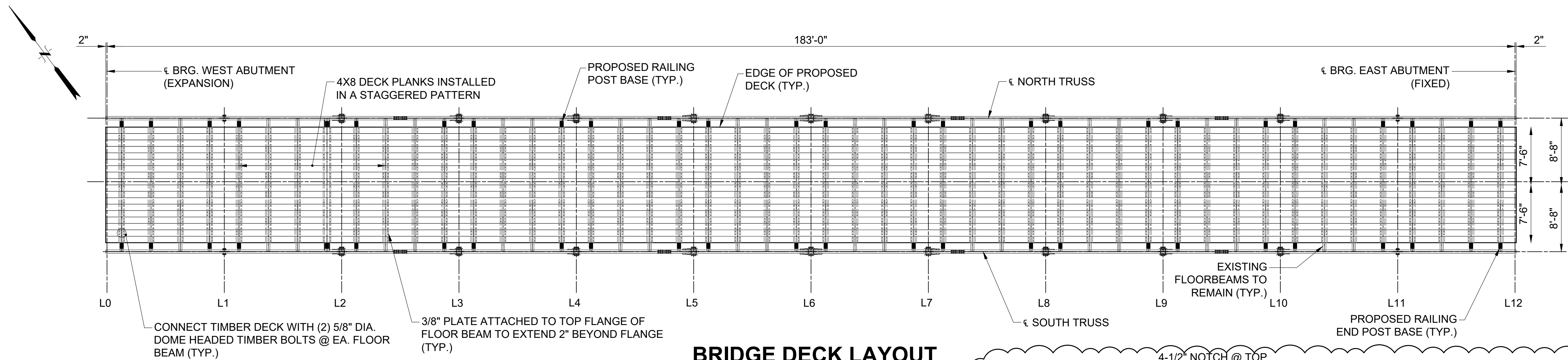
NOT AUTHORIZED FOR CONSTRUCTION
 WITHOUT PROFESSIONAL ENGINEER'S
 STAMP & SIGNATURE

SCALE: AS NOTED DATE: 07/26/2023

DESIGN: PF CHECKED: JLS

JOB NO: 22-144 SHEET NO: S-12

PLOT: 10/6/2023 12:48 AM FILE Y:\Projects\2023\22-144_Simsbury_Power Bridge Rehab\Cadd\Current Bridge Rehab_Bridge_Jbi.dwg

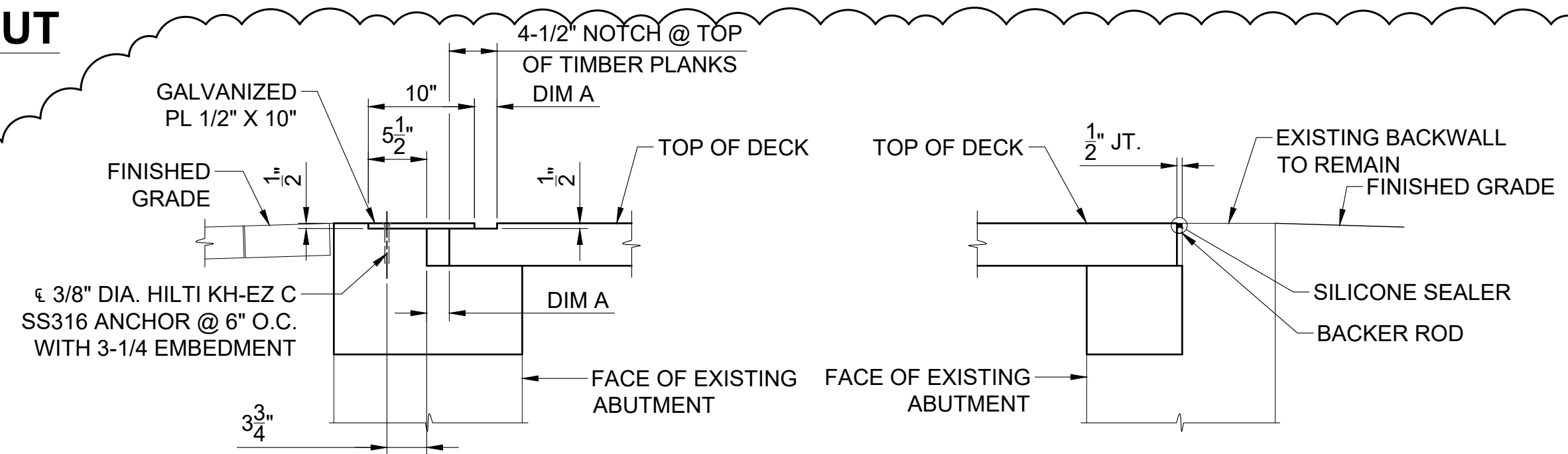


BRIDGE DECK LAYOUT

SCALE 1/8" = 1'-0"

BRIDGE DECK JOINT NOTES

1. FOR "DIM. A", SEE TABLE ON SHEET S-12.
2. STEEL PLATE AT EXPANSION JOINT SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M270, GRADE T2, GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH ASTM A-123.
3. SILICONE SEALANT AT FIXED JOINT SHALL BE DOW CORNING 902 RCS, OR WABO SILICONE SEAL.
4. COST OF FURNISHING AND INSTALLING DECK JOINT SHALL ASSEMBLIES SHALL BE INCLUDED UNDER THE ITEM FOR "TIMBER DECK".

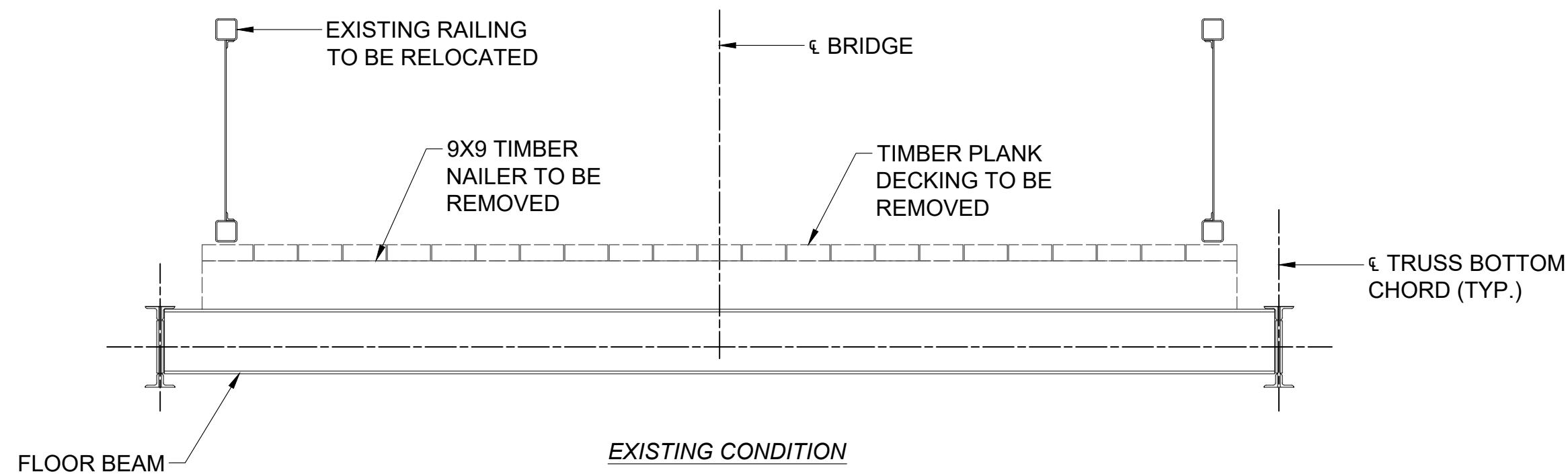


WEST ABUTMENT - EXPANSION

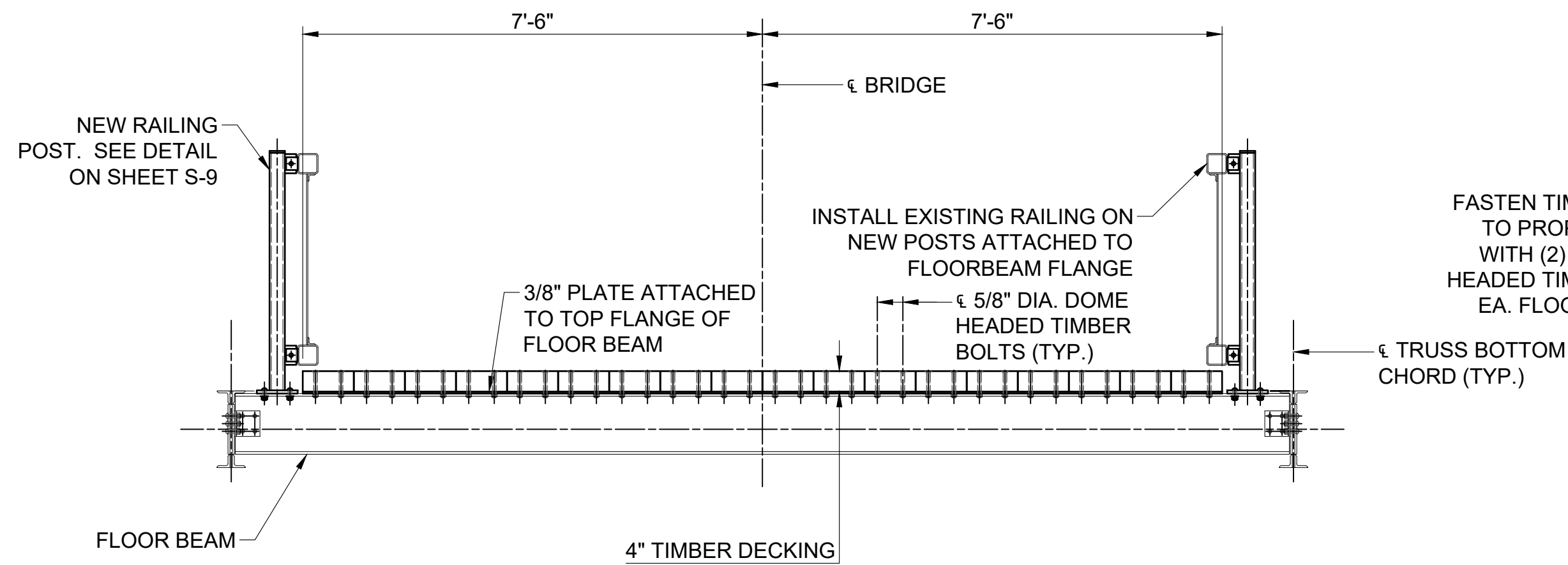
EAST ABUTMENT - FIXED

BRIDGE DECK JOINT

SCALE 1" = 1'-0"



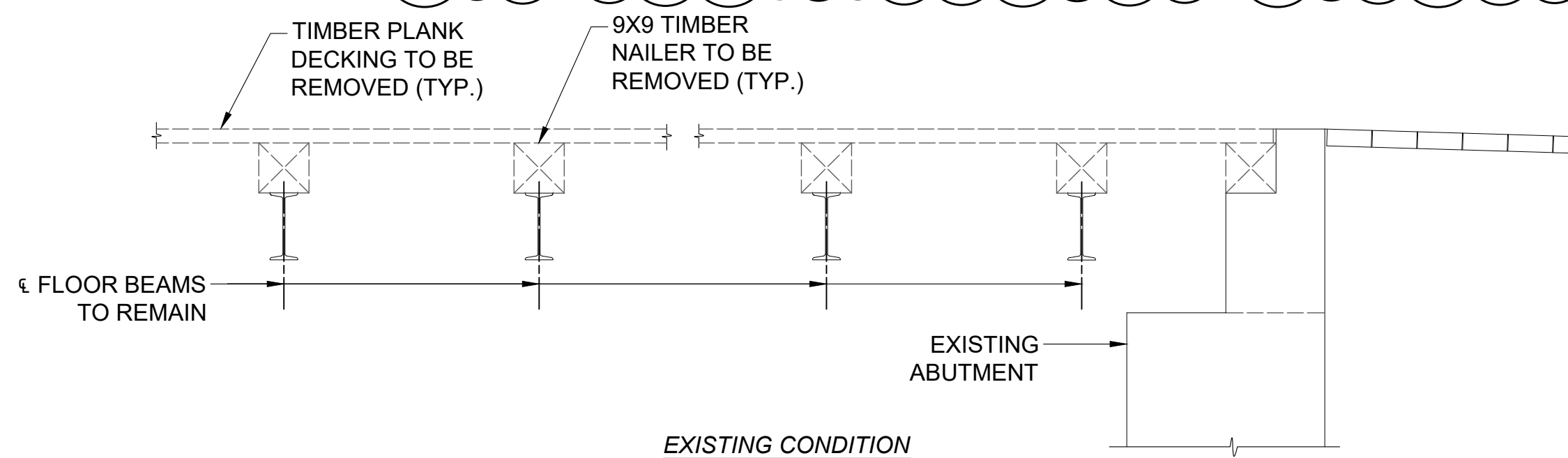
EXISTING CONDITION



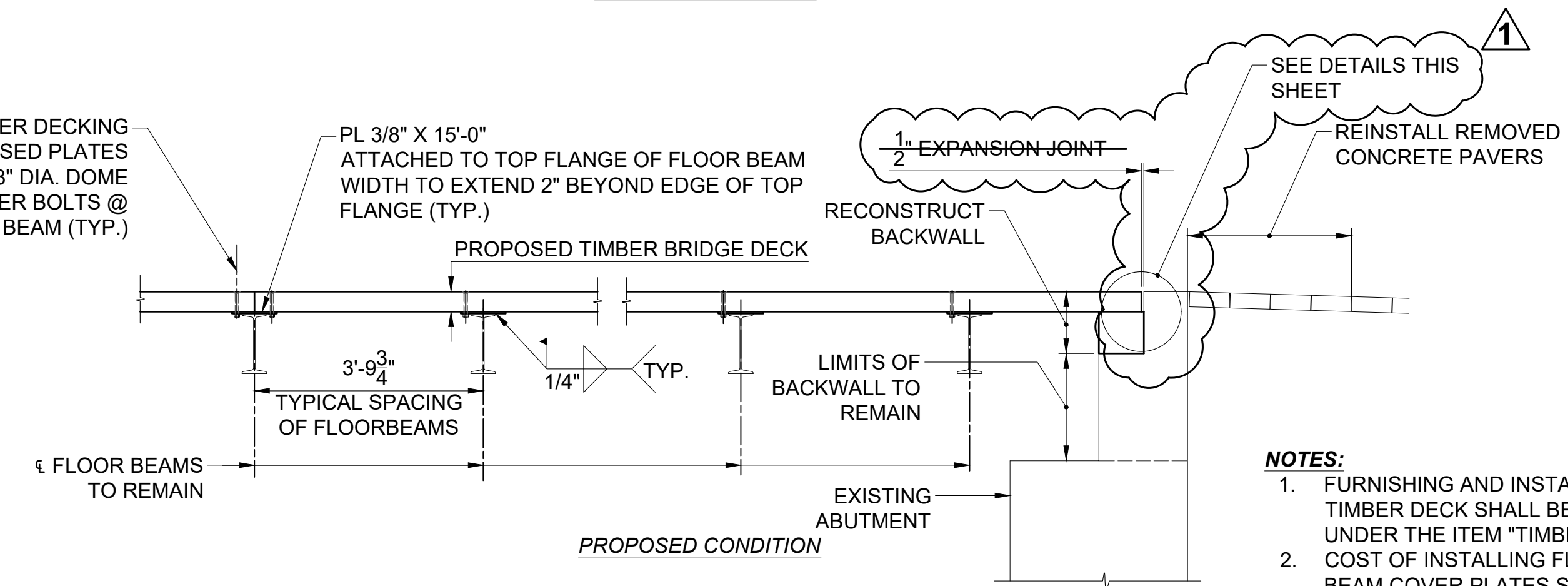
PROPOSED CONDITION

BRIDGE SECTION MODIFICATION

SCALE 1/2" = 1'-0"



EXISTING CONDITION



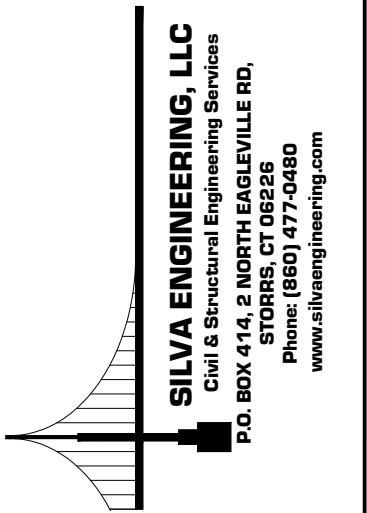
PROPOSED CONDITION

BRIDGE DECK MODIFICATION

SCALE 1/2" = 1'-0"

NOTES:

1. FURNISHING AND INSTALLING TIMBER DECK SHALL BE PAID FOR UNDER THE ITEM "TIMBER DECK". COST OF INSTALLING FLOOR BEAM COVER PLATES SHALL BE PAID FOR UNDER THE ITEM FOR STRUCTURAL STEEL (SITE NO. 1)
- 2.



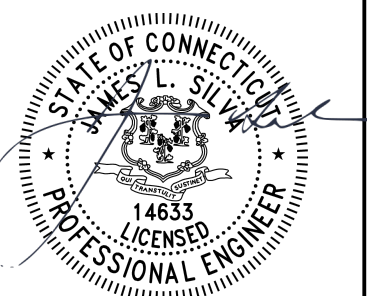
BRIDGE DECK PLAN & DETAILS
ALTERNATE BID No. 1 - TIMBER DECK

TOWN OF SIMSBURY, CT
REHABILITATION OF BRIDGE NO. 03984 (FLOWER BRIDGE)
OLD BRIDGE RD. OVER FARMINGTON RIVER

TITLE:

NAME:

REVISIONS:
10/06/2022 ADDENDUM 1
DETAILS REVISED
& ADDED



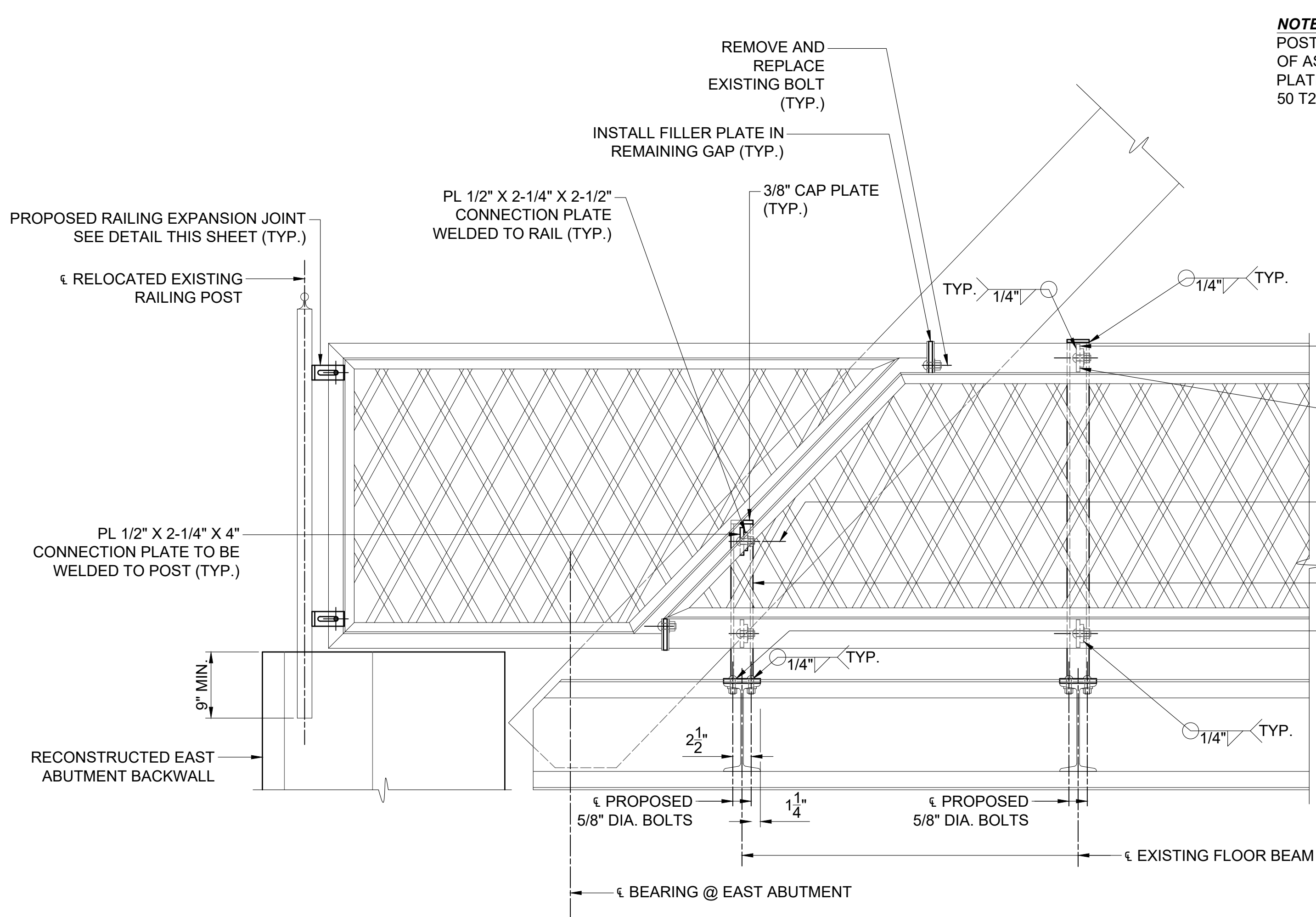
NOT AUTHORIZED FOR CONSTRUCTION
WITHOUT PROFESSIONAL ENGINEER'S
STAMP & SIGNATURE

SCALE: AS NOTED DATE: 07/26/2023

DESIGN: PF CHECKED: JLS

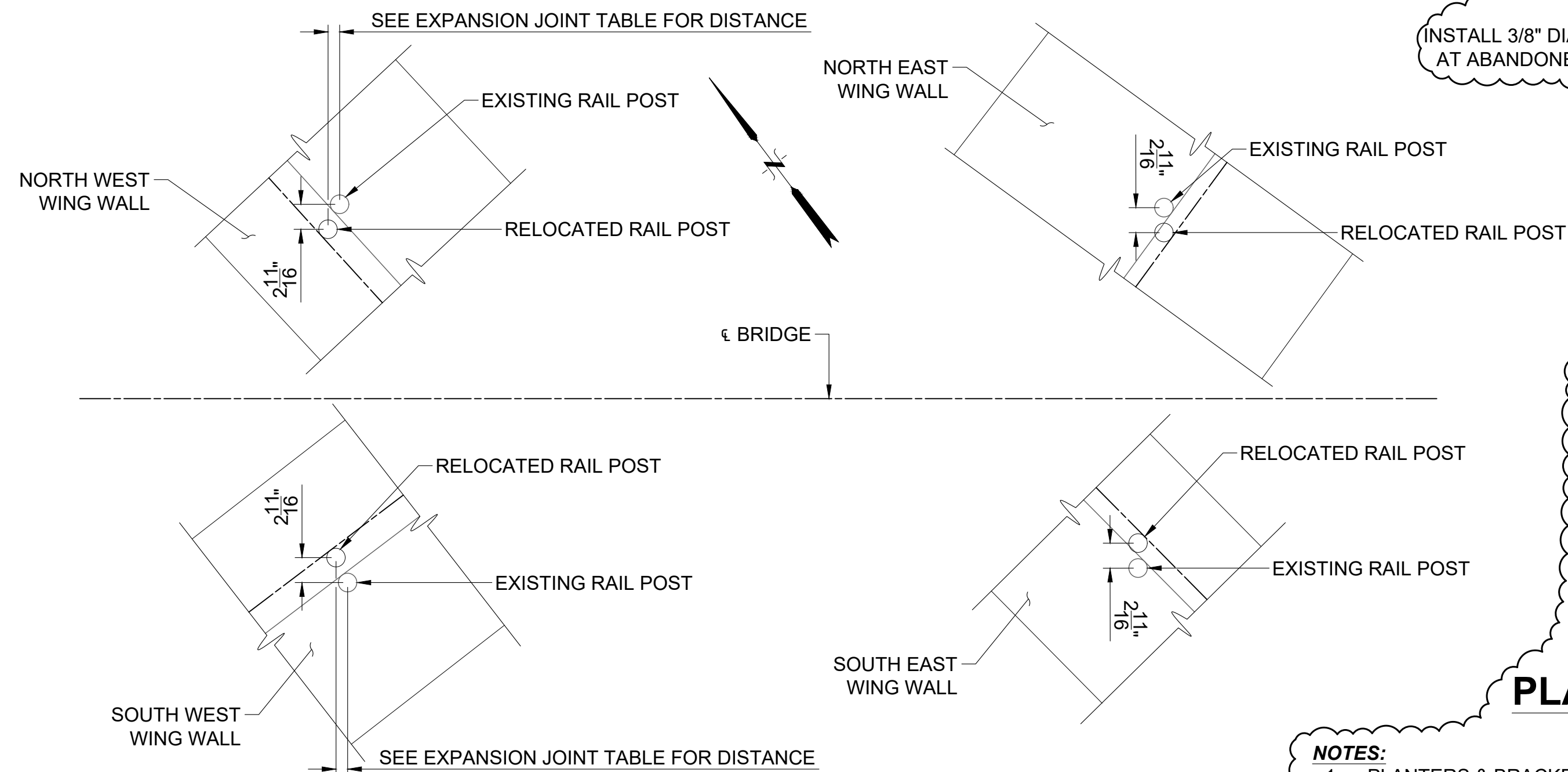
JOB NO: 22-144 SHEET NO: S-13

PLOT: 10/5/2023 11:51 PM FILE Y:\Projects\2022\22-144_Simsbury_Power Bridge_Rehab\Current_Rail_Power_Bridge.dwg



END RAILING POST DETAIL - EAST ABUTMENT

SCALE 1" = 1'-0"

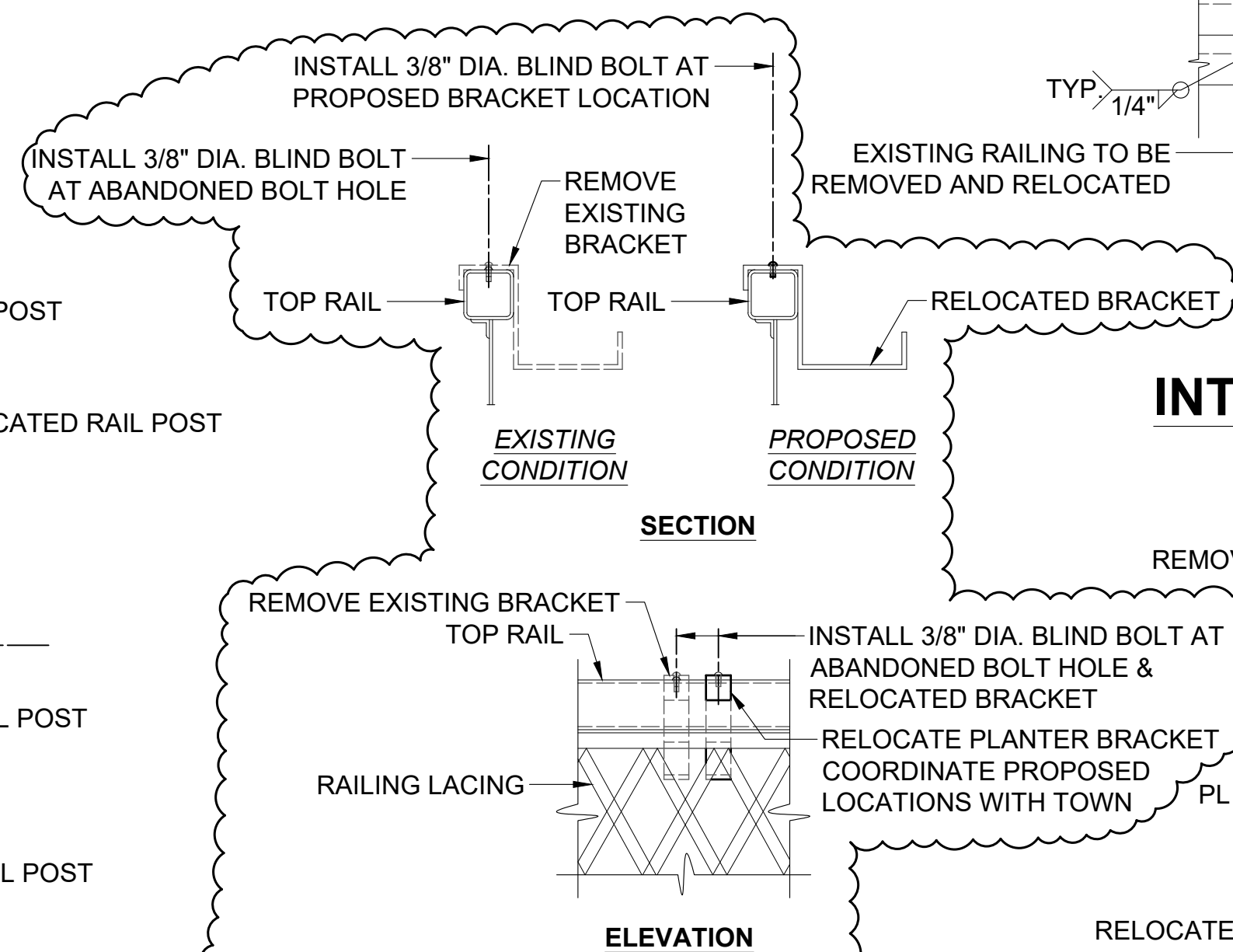


RAILING POST RELOCATION DETAIL

SCALE 1" = 1'-0"

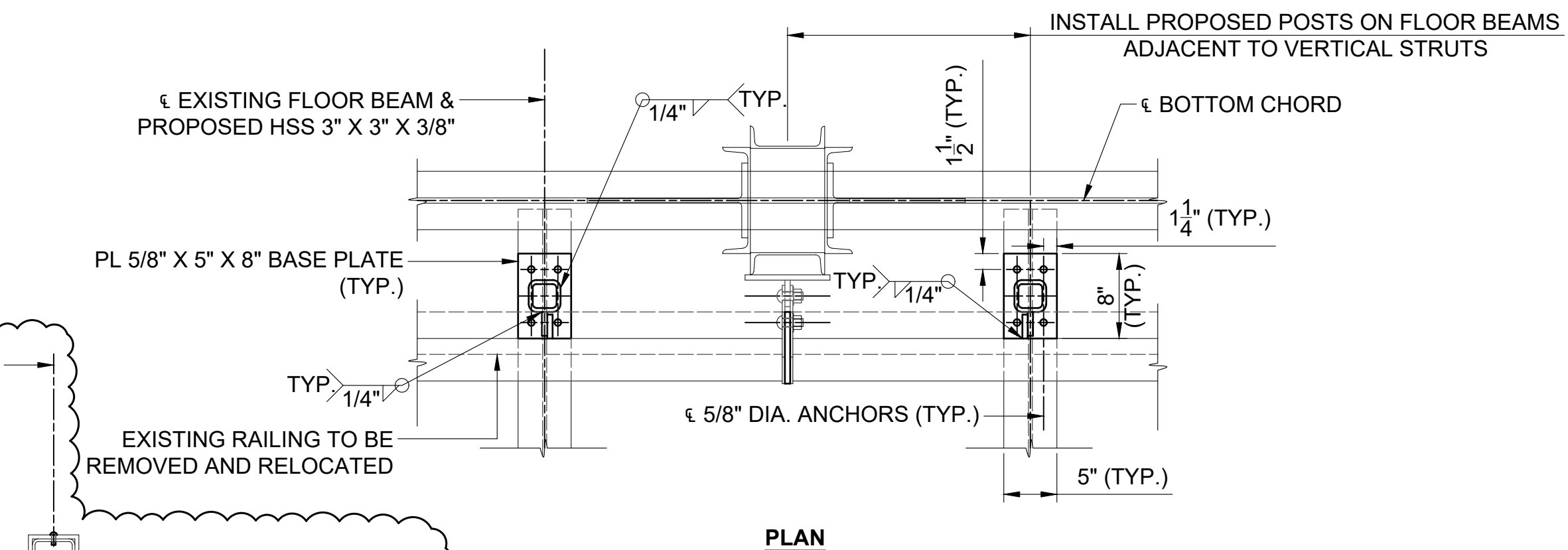
NOTES:

1. PLANTERS & BRACKETS ARE TO BE REMOVED AND RELOCATED ALONG ENTIRE LENGTH OF METAL BRIDGE RAIL TO ACCOMMODATE PROPOSED POSTS. COORDINATE LOCATIONS WITH TOWN.
2. ALL WORK OF RELOCATING PLANTERS & BRACKETS TO BE PAID FOR UNDER ITEM "REMOVE AND RESET METAL BRIDGE RAIL."



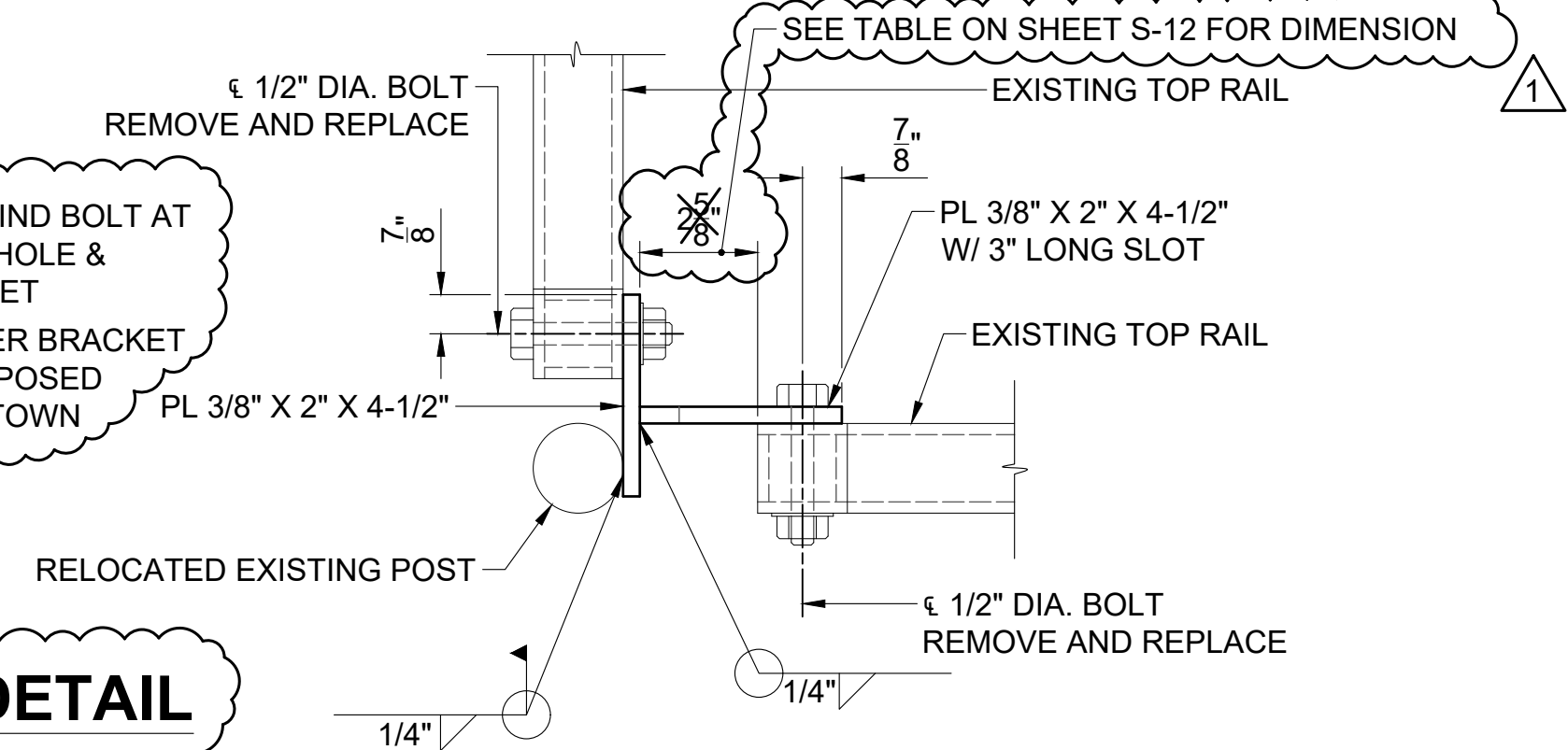
PLANTER BRACKET RELOCATION DETAIL

SCALE 1" = 1'-0"



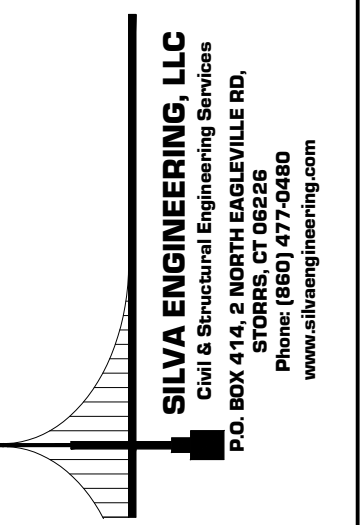
INTERMEDIATE RAILING POST DETAIL

SCALE 1" = 1'-0"



RAILING EXPANSION JOINT DETAIL

SCALE: 3" = 1'-0"

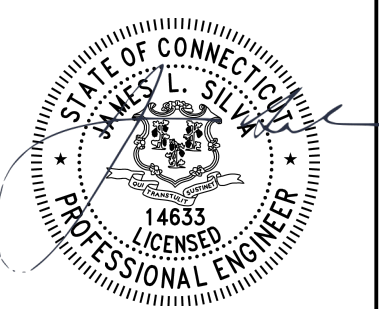


BRIDGE RAIL MODIFICATION DETAILS

TOWN OF SIMSBURY, CT
REHABILITATION OF BRIDGE NO. 03984 (FLOWER BRIDGE)
OLD BRIDGE RD. OVER FARMINGTON RIVER

TITLE:

REVISIONS:
10/06/2022 ADDENDUM 1
DETAIL ADDED



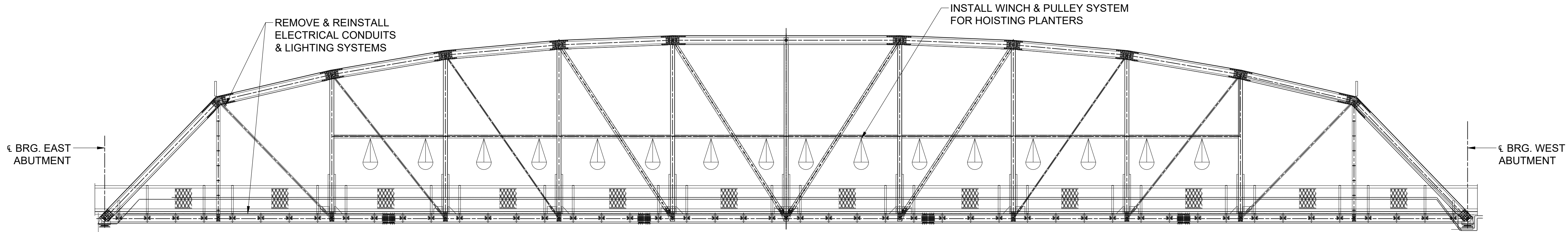
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WITHOUT PROFESSIONAL ENGINEER'S
STAMP & SIGNATURE

SCALE: AS NOTED DATE: 07/26/2023

DESIGN: PF CHECKED: JLS

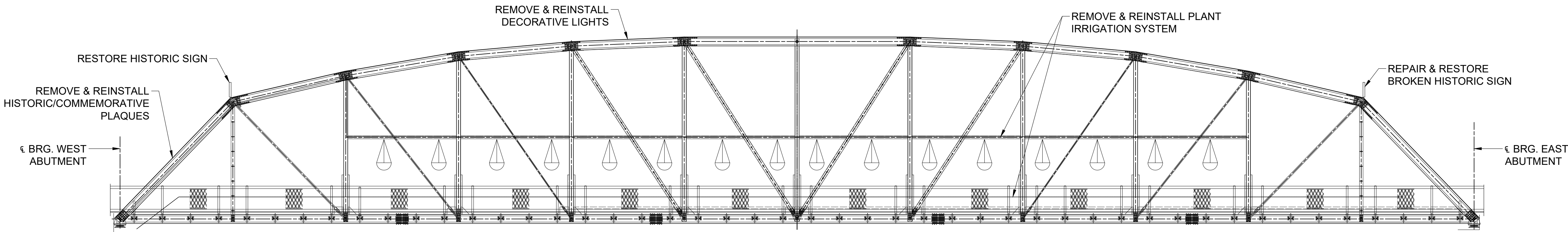
JOB NO: 22-144 SHEET NO: S-14

PLOT: 10/5/2023 11:51 PM FILE Y:\Projects\2023\22-144_Simsbury_Power Bridge Rehab\Cadd\Current\Bill_Power Bridge.dwg



NORTH TRUSS ELEVATION

SCALE 1/8" = 1'-0"



SOUTH TRUSS ELEVATION

SCALE 1/8" = 1'-0"

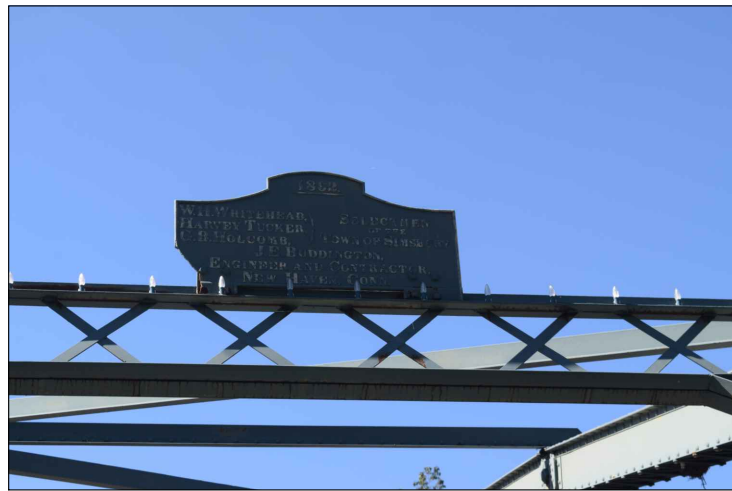
NOTES

1. PRIOR TO BEGINNING CONSTRUCTION, IDENTIFY AND LOCATE ALL FEATURES WITHIN CONSTRUCTION AREA THAT WILL BE REMOVED FOR INSTALLATION AFTER CONSTRUCTION IS COMPLETED.
2. SUBMIT SKETCHES SHOWING LOCATION AND LAYOUT OF ALL SYSTEMS.
3. ANY FEATURE REMOVED DURING CONSTRUCTION SHALL BE PROPERLY STORED IN A SECURE, DRY LOCATION UNTIL READY FOR RE-INSTALLATION.
4. IRRIGATION AND ELECTRICAL SYSTEMS SHALL BE REINSTALLED SO PIPING IS NOT VISIBLE FROM THE BRIDGE DECK WHENEVER POSSIBLE. WHEN INSTALLING PIPING AND CONDUITS WITHIN THE TRUSS CHORD OR BETWEEN DOUBLE
5. STRUCTURAL CHANNELS, SECURE THESE ITEMS TO THE REAR FACE OF THE MEMBER.
6. ALL IRRIGATION SYSTEM PIPING AND ELECTRICAL CONDUITS SHALL BE INSTALLED IN A NEAT, WORKMAN-LIKE MANNER AND PROPERLY SECURED TO THE STRUCTURE WITHOUT ANY SAGS. IRRIGATION SYSTEM LOCATIONS SHALL BE AGREED UPON WITH THE TOWN PRIOR TO INSTALLATION.
7. PROVIDE WORKING DRAWINGS SHOWING PROPOSED SYSTEM LAYOUT AND MEANS OF ATTACHMENT TO THE STRUCTURE. ATTACHMENT SYSTEMS SHALL NOT CAUSE DAMAGE TO THE EXISTING STRUCTURAL MEMBERS, AND SHALL BE APPROVED BY THE ENGINEER.
8. EXISTING WHITE PVC PIPE COMPONENTS OF THE IRRIGATION SYSTEM SHALL BE REPLACED WITH BLACK PIPING TO MINIMIZE VISIBILITY.
9. COST OF REMOVING AND RESETTNG ELECTRICAL CONDUITS; REMOVING AND REINSTALLING OVERHEAD ELECTRICAL CONDUITS AND LIGHTING SYSTEM; RESTORING AND REPAIRING BROKEN/CRACKED HISTORIC SIGNS; REMOVING AND REINSTALLING COMMEMORATIVE PLAQUES ON TRUSS TOP CHORDS; AND REMOVING AND REINSTALLING MISCELLANEOUS SIGNAGE SHALL BE PAID FOR UNDER THE ITEM "PROTECTION OF EXISTING MISC. BRIDGE ACCESSORIES".

10. ~~COST OF INSTALLING WINCH AND PULLEY SYSTEM FOR PLANTERS TO BE PAID FOR UNDER THE ITEM "MODIFY PLANTER".~~
10. COST OF INSTALLING WINCH AND PULLEY SYSTEM FOR PLANTERS TO BE PAID FOR UNDER THE ITEM "MODIFY PLANTER".
11. COST OF REMOVAL AND REINSTALLATION OF PLANT IRRIGATION SYSTEM TO BE PAID FOR UNDER THE ITEM "REMOVE AND RESET IRRIGATION SYSTEM".



REMOVE & RESET ELECTRICAL CONDUITS



RESTORE & REPAIR BROKEN HISTORIC SIGN (EAST ABUTMENT)



REMOVE & REINSTALL HISTORIC/COMMEMORATIVE PLAQUES (WEST ABUTMENT)



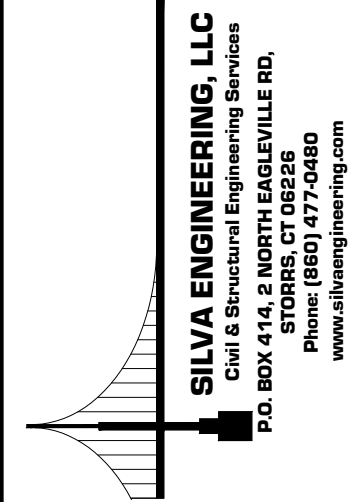
RESTORE HISTORIC SIGN (WEST ABUTMENT)



REMOVE & RESET SIGNAGE



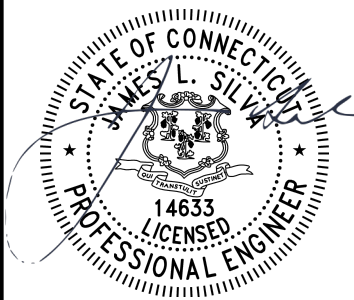
REMOVE & REINSTALL ELECTRICAL CONDUITS & LIGHTING SYSTEMS



PROTECTION OF EXISTING MISCELLANEOUS BRIDGE ACCESSORIES

TOWN OF SIMSBURY, CT
REHABILITATION OF BRIDGE NO. 03984 (FLOWER BRIDGE)
OLD BRIDGE RD. OVER FARMINGTON RIVER

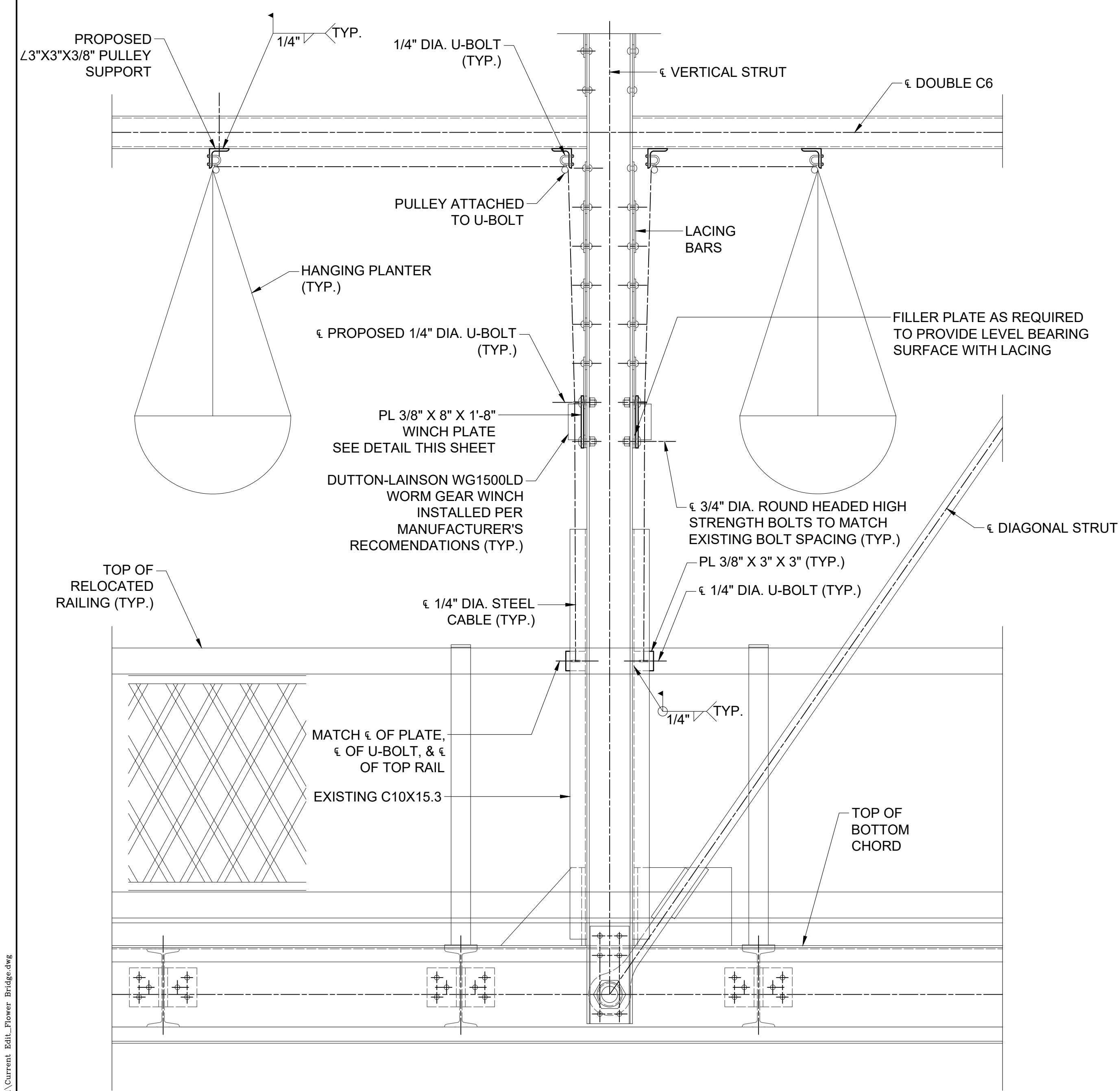
TITLE: PROTECTION OF EXISTING MISCELLANEOUS BRIDGE ACCESSORIES
NAME: TOWN OF SIMSBURY, CT
REVISIONS: 10/06/2022 ADDENDUM 1 NOTES REVISED



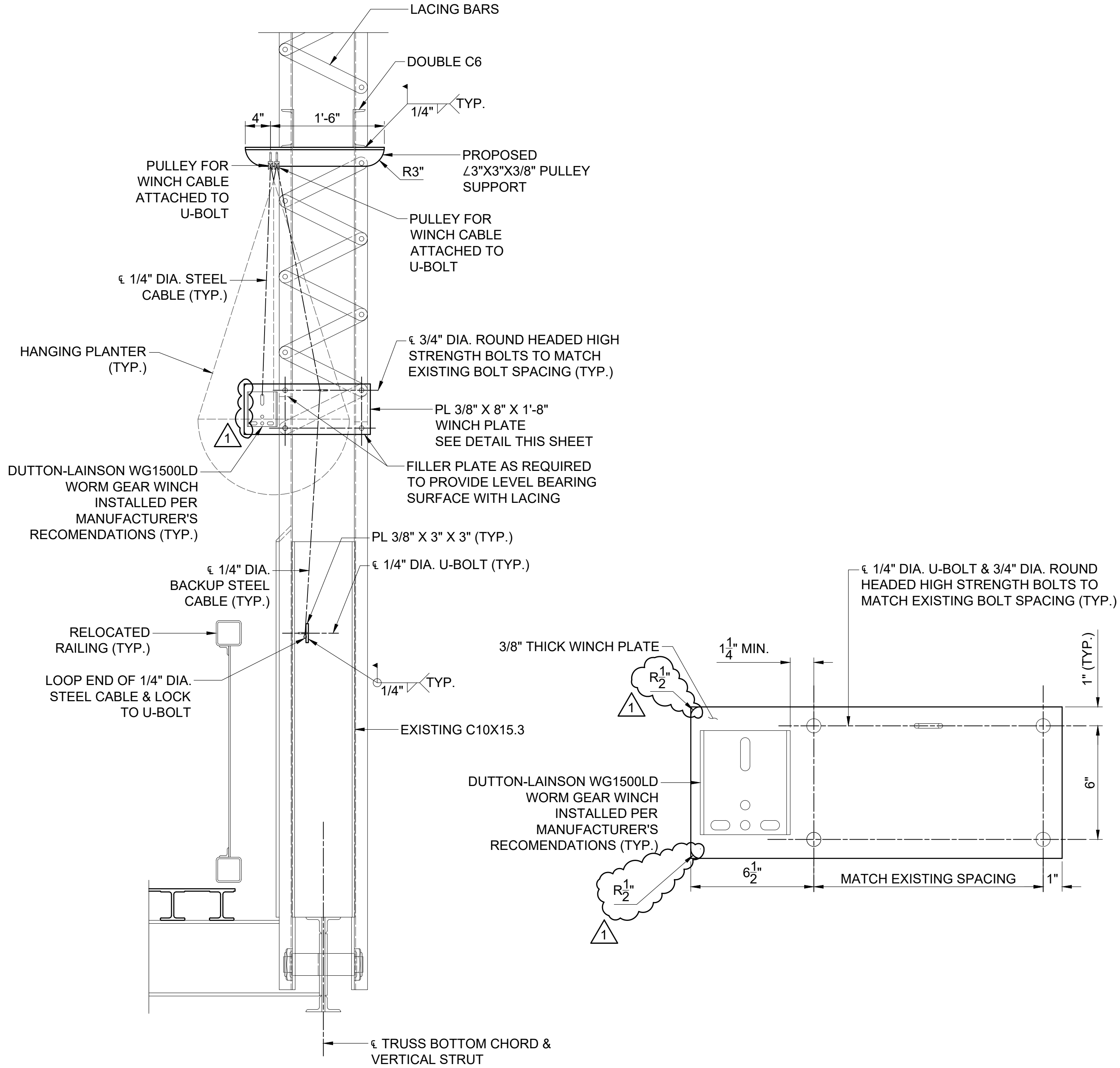
NOT AUTHORIZED FOR CONSTRUCTION WITHOUT PROFESSIONAL ENGINEER'S STAMP & SIGNATURE

SCALE: AS NOTED
DATE: 07/26/2023
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JOB NO: 22-144
SHEET NO: S-15

PLOT: 10/5/2023 11:51 PM FILE Y:\Projects\2023\22-144_Simsbury_Power Bridge Rehab\Cadd\Current\Bill_Power Bridge.dwg



ELEVATION



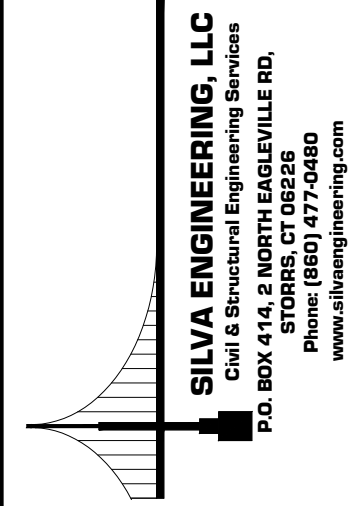
SECTION

WINCH PLATE DETAIL

HANGING PLANTER SUPPORT SYSTEM

SCALE 1" = 1'-0"

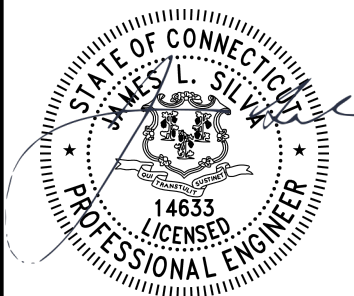
SCALE 1" = 1'-0"
SCALE 3" = 1'-0"



PLANTER HANGER SUPPORT SYSTEM

TOWN OF SIMSBURY, CT
REHABILITATION OF BRIDGE NO. 03984 (FLOWER BRIDGE)
OLD BRIDGE RD. OVER FARMINGTON RIVER

TITLE:
NAME:
REVISIONS:
10/06/2022 ADDENDUM 1
DIMENSIONS & TITLE
REVISED



NOT AUTHORIZED FOR CONSTRUCTION
WITHOUT PROFESSIONAL ENGINEER'S
STAMP & SIGNATURE

SCALE: AS NOTED DATE: 07/26/2023

DESIGN: PF CHECKED: JLS

JOB NO: 22-144 SHEET NO: S-16