CITY OF JOPLIN ADDENDUM NUMBER 2

Issued to all Bid Document Holders of Record.

Date: 1/10/2020

Project Name: City of Joplin Trail and Pedestrian Bridge STP-3201(705)

This addendum forms a part of the contract described above. The original Contract Documents and any prior addenda remain in full force and effect as modified by the following that shall take precedence over any contrary provisions in the prior documents.

- 1) **REVISED BID DATE**: The bid date is hereby revised to **Thursday**, **January 23**, **2020** at **10:00 AM** in the 4th Floor Conference Room.
- 2) REVISED COMPLETION DATE: The completion date for the project is hereby changed from June 29, 2020 to July 31, 2020. The revised completion date of July 31, 2020 will be reflected in the agreement provided to the successful bidder upon award.
- **3) REVISED PLAN SHEETS:** Plan Sheets CV-01, QTY-01, S-01, S-03, S-04, S-05, S-06, S-08, and S-10 have been revised &/or added, and are included with this addendum.
- **4) REVISED BID FORM:** The project bid form has been revised and is included with this addendum. This revised bid form includes additional line items and shall be utilized by contractors when bidding the project.

5) CLARIFICATION ITEMS:

- 1. The asphalt pavement for the trail shall be constructed with Bituminous Pavement Mixture BP-2 for the full 3" depth. The bid form has been revised to reflect this change. The price for the BP-2 asphalt shall include the application of a prime coat on the aggregate base, per City of Joplin Standard Specifications.
- The bid form includes two new bid items for the Removal and Backfill of Unsuitable Material, to be performed in accordance with City of Joplin Standard Specifications, if encountered.
- 3. Multiple bridge plan sheets have been revised to include the addition of a modified concrete corral rail with pipe rails. The location of the stone veneer columns at the corners of the bridge has been revised as well.

Each bidder shall acknowledge receipt of this addendum by affixing his signature below by noting this addendum on his bid form, and by attaching this addendum to his bid.

ACKNOWLEDGEMENT

The undersigned acknowledges receipt of this addendum and the Bid submitted in accordance with information, instructions and stipulations set forth herein.

| Bidder: | | |
|------------|------|------|
| Signed By: | | |
| Date: | | |



| CONTRACTOR NAME: | |
|------------------|--|
| ADDRESS LINE 1: | |
| ADDRESS LINE 2: | |
| PHONE NUMBER: | |
| EMAIL: | |

City of Joplin, MO

STP-3201(705)

DATE:

| LINE | ITEM | DESCRIPTION | UNITS | QUANTITY | UNIT PRICE | AMOUNT |
|----------|------|---|-------|----------|-----------------------|--------|
| RAIL ITE | MS | | | | | |
| 1 | 618 | MOBILIZATION | L.S. | 1 | | \$ |
| 2 | 201 | CLEARING AND GRUBBING | L.S. | 1 | | \$ |
| 3 | 203 | EXCAVATION FOR ROADWAY - UNCLASSIFIED | C.Y. | 295 | | \$ |
| 4 | 203 | EMBANKMENT IN PLACE W/ COMPACTION | C.Y. | 367 | | \$ |
| 5 | 310 | TYPE 1 AGGREGATE FOR BASE (4 IN. THICK) | S.Y. | 2,388 | | \$ |
| 6 | 401 | BITUMINOUS PAVEMENT MIXTURE (BP-2) | TON | 313 | | \$ |
| 7 | 608 | CONCRETE CURB RAMP | S.Y. | 33.0 | | \$ |
| 8 | 608 | TRUNCATED DOMES | S.F. | 39 | | \$ |
| 9 | 608 | 4" PVC SLEEVES (15' IN LENGTH) | L.F. | 60 | | \$ |
| 10 | | CONCRETE FLUME | S.Y. | 5 | | \$ |
| 11 | 310 | TYPE 1 AGGREGATE AT CONCRETE FLUME | S.Y. | 148 | | \$ |
| 12 | 805 | SEEDING | AC. | 0.22 | | \$ |
| 13 | 806 | SILT FENCE | L.F. | 182 | | \$ |
| 14 | 806 | SILT DITCH CHECK | EA. | 8 | | \$ |
| 15 | | REMOVAL OF UNSUITABLE MATERIAL | C.Y. | 50 | | \$ |
| 16 | | BACKFILL OF UNSUITABLE MATERIAL | C.Y. | 50 | | \$ |
| | | | | | TRAIL ITEMS SUBTOTAL | \$ |
| 17 17 | 206 | UNCLASSIFIED EXCAVATION (STRUCTURE) | C.Y. | 76 | | ¢ |
| 18 | 611 | TYPE 2 ROCK BLANKET | C.Y. | 160 | | \$ |
| 19 | 702 | STRUCTURAL STEEL PILES (10 IN.) | L.F. | 69 | | \$ |
| 20 | 702 | PILE POINT REINFORCEMENT | EA. | 6 | | \$ |
| 21 | 702 | PRE-BORE FOR PILING | L.F. | 60 | | \$ |
| 22 | 702 | CLASS B1 CONCRETE | C.Y. | 29.0 | | \$ |
| 23 | 706 | REINFORCING STEEL | LBS. | 4,742 | | \$ |
| 24 | 705 | 24 IN., PRECAST CONCRETE SLAB BEAM | L.F. | 360 | | \$ |
| 25 | 716 | PLAIN NEOPRENE BEARING PAD | L.F. | 40 | | \$ |
| 26 | 705 | STONE VENEER COLUMN | EA | 4 | | \$ |
| 27 | 703 | RAIL | L.F. | 172 | | \$ |
| | . 55 | | | | BRIDGE ITEMS SUBTOTAL | \$ |
| | | | | | | |
| | | | | | TOTAL CONTRACT | \$ |

GENERAL NOTES

LEGEND

= IRON PIN SET (TYPICAL) GREAT RIVER 2001011476

= EXISTING RIGHT-OF-WAY

= EXISTING TREE, SIZE AS NOTED

= EXISTING BUSH, SIZE AS NOTED

= EXISTING TELEPHONE RISER

= EXISTING LIGHT POLE

= EXISTING GAS VALVE

= EXISTING GAS METER

= EXISTING MAIL BOX

= EXISTING POWER POLE

= EXISTING ELECTRIC RISER

= EXISTING SEWER MANHOLE

= EXISTING CONTOUR MAJOR

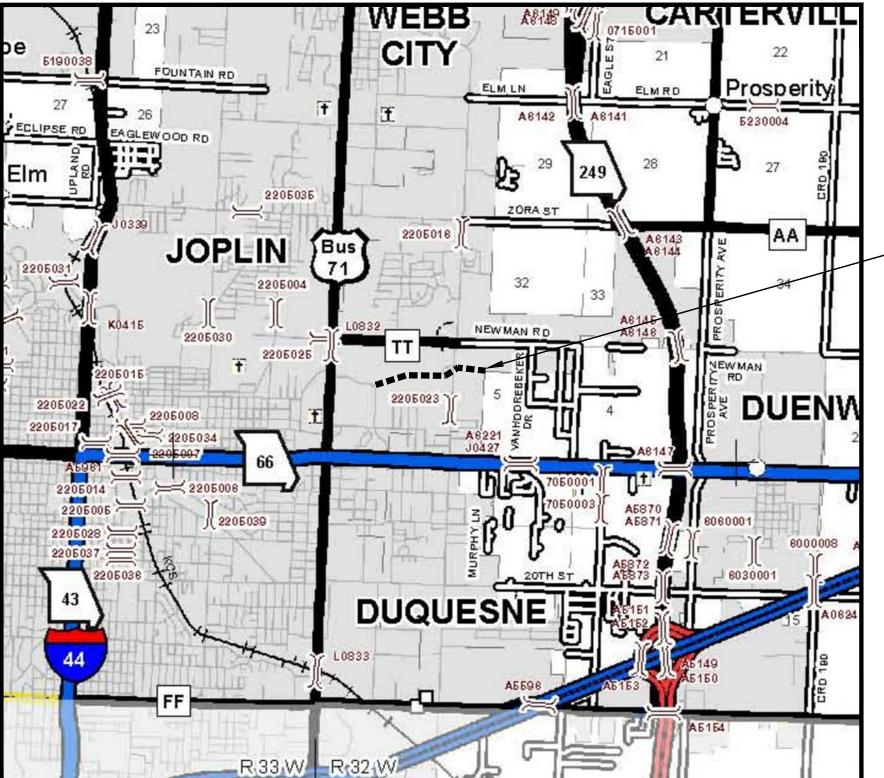
---- = EXISTING CONTOUR MINOR

= EXISTING IRON PIN FOUND, AS NOTED

- 1. THE CONTRACTOR SHALL FOLLOW THE JOB SPECIAL PROVISIONS FOR THIS PROJECT. FOR ITEMS NOT DIRECTLY COVERED IN THE JOB SPECIAL PROVISIONS THE CONTRACTOR SHALL FOLLOW THE SPECIFICATIONS AS STATED IN THE "MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRICTION "2016" EDITION, AND CURRENT SUPPLEMENTAL SPECIFICATION REVISIONS.
- 2. CONTRACTOR SHALL FIELD VERIFY ALL HORIZONTAL AND VERTICAL LINES AND GRADES OF EXISTING UTILITIES PRIOR TO THE CONSTRUCTION OF IMPROVEMENTS. THE CONTRACTOR SHALL NOTIFY THE DESIGN PROFESSIONAL IMMEDIATELY UPON DISCOVERY OF A DISCREPANCY BETWEEN THE CONSTRUCTION DRAWINGS AND ACTUAL FIELD CONDITIONS.
- 3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE LOCATION OF ANY UNDERGROUND UTILITIES OR OTHER OBSTRUCTIONS AND TO BE LIABLE FOR DAMAGE AND CONSEQUENT REPAIR TO SUCH IN THE COURSE OF HIS OPERATIONS.
- 4. THE CONTRACTOR SHALL LOCATE SAW CUT LINES WHERE NECESSARY TO PERFORM THE DEMOLITION AND CONSTRUCTION REQUIRED. ALL JOINTS WHERE NEW CONSTRUCTION MATCHES EXISTING SHALL BE SAW CUT TO NEAT LINES.
- 5. THE CONTRACTOR WILL KEEP THE CONSTRUCTION SITE NEAT AND ORDERLY AT ALL TIMES WHILE CONSTRUCTION IS TAKING PLACE. THE PROPER AMOUNT OF INSPECTION SHALL BE CALLED FOR AT THEIR PROPER TIMES, OR ANY AND ALL WORK MAY BE REJECTED. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF THE WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY, AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE DUTY OF THE DESIGN PROFESSIONAL OR OWNER TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE. IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES, IN OR NEAR THE CONSTRUCTION SITE.
- 6. ALL AREAS DISTURBED BY CONSTRUCTION, AND NOT INDICATED TO RECEIVE ANY OTHER FORM OF SURFACE TREATMENT, SHALL BE DRESSED AND SEEDED TO LAWN CONDITIONS.
- 7. NO TREE TRIMMING TO BE DONE WITHOUT WRITTEN PERMISSION FROM THE CITY OR MSSU.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE PUBLIC STREETS IN THE VICINITY OF THE JOB SITE CLEAN AND FREE OF ROCKS, SOIL, AND DEBRIS.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EROSION CONTROL DEVICES DURING THE ENTIRE CONSTRUCTION PERIOD. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES.
- 10. THE CONTRACTOR TO RETAIN FLOATABLE WIND BLOWN MATERIALS ON SITE BY STORING ALL TRASH AND BUILDING MATERIAL WASTE IN ENCLOSURES UNTIL PROPER DISPOSAL AT AN OFFSITE FACILITY. CONTRACTOR TO CHECK ADJACENT AREAS DAILY AND PICK UP CONSTRUCTION WASTE MATERIALS AND DEBRIS THAT HAVE BLOWN OR WASHED OFF-SITE
- 11. TRAIL CROSS SLOPES SHALL BE 1/2% MINIMUM, 1% TYPICAL, AND 2% MAXIMUM WHEN MEASURED WITH A 2' DIGITAL LEVEL.

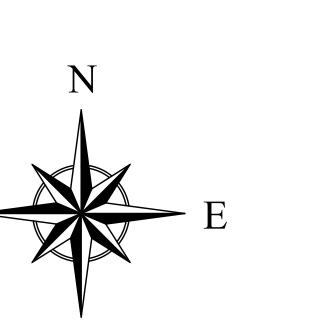
CITY OF JOPLIN TRAIL & PEDESTRIAN BRIDGE







JASPER COUNTY



BENCHMARK DATA

BM1 - TOP OF CURB AT THE NORTHWEST CORNER OF PARKING LOT, LOCATED ON THE NORTH SIDE OF THE EXISTING MOVIE THEATER

ELEVATION=986.00'

BM2 - TOP OF CURB AT THE NORTHEAST CORNER OF PARKING LOT, LOCATED ON THE NORTH SIDE OF THE EXISTING MOVIE THEATER

ELEVATION=973.38'

(VERTICAL DATUM: NAVD88)

| Point Table | | | | |
|-------------|-------------|--------------|-----------|---------------|
| Point # | Northing | Easting | Elevation | Description |
| 1 | 337496.4190 | 2799432.2867 | 983.91 | CP 1 BASE |
| 2 | 337497.6125 | 2799637.9931 | 985.78 | CP 2 MAG NAIL |
| 162 | 337521.9125 | 2798322.1059 | 979.01 | CP 162 60D |
| 1000 | 337484.6358 | 2799419.5681 | 983.66 | CP 1000 60D |

SUBMITTED AND RECOMMENDED

CITY OF JOPLIN DATE

GENERAL LOCATION MAP

JOPLIN, MISSOURI SECTION 6, TOWNSHIP 27 NORTH, RANGE 32 WEST

UTILITY DISCLAIMER

= EXISTING SIGN

= EXISTING SEWER LINE

= EXISTING WOOD FENCE LINE

= EXISTING GAS LINE

- GW ----- = EXISTING GAS & WATER LINE

= EXISTING WATER LINE

= EXISTING ELECTRIC LINE

= EXISTING WATER METER

= EXISTING WATER VALVE

= EXISTING FIRE HYDRANT

-0 --- = EXISTING CHAIN-LINK FENCE LINE

= EXISTING UNDERGROUND ELECTRIC

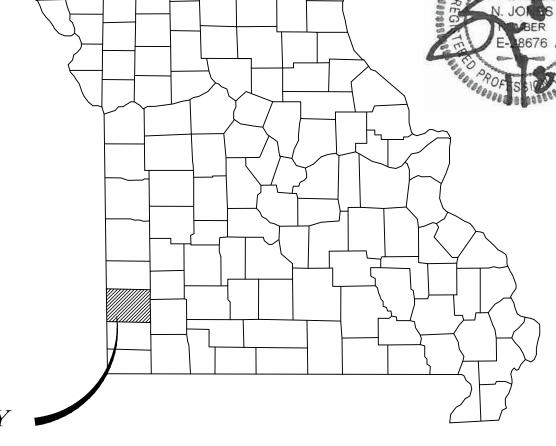
= EXISTING UNDERGROUND TELEPHONE LINE

= EXISTING TELEPHONE LINE

THE UNDERGROUND UTILITIES DEPICTED ON THIS SURVEY, ARE THOSE DISCOVERED BY FIELD INSPECTION, OR LOCATED BY UTILITY COMPANY REPRESENTATIVES; AND MAY NOT BE ALL THE UTILITIES ON OR NEAR THE PROPERTY. AFTER USING REASONABLE CARE IN THE LOCATION OF THOSE UTILITIES SHOWN, WE REFRAIN FROM WARRANTING EITHER THE LOCATION OF, OR COMPLETENESS OF, THOSE UTILITIES SHOWN, AS BEING ALL UTILITIES POSSIBLY AFFECTING THE SUBJECT PROPERTY.







SHEET LIST TABLE

SHEET TITLE

COVER SHEET

RIGHT-OF-WAY PLAN

CROSS SECTIONS

TRAIL PLAN AND PROFILE

CONSTRUCTION DETAILS

BRIDGE END BENT DETAILS

BRIDGE SLAB BEAM DETAILS

BRIDGE PLAN & ELEVATION DETAILS

BRIDGE INTERMEDIATE BENT DETAILS

GRADING, EROSION CONTROL PLAN & DETAILS

QUANTITIES TRAFFIC CONTROL

SOIL DATA

SHEET NUMBER

QTY-01

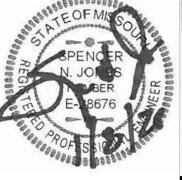
SHOWING LOCATION OF COUNTY NOT TO SCALE

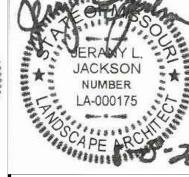
MO# LA-000175

DATE: 04.24.2019

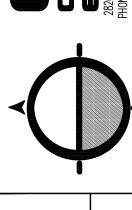
JOB NUMBER: 13-3249 SHEET CV-01

| | | ITEMIZE | D BID FOR | RM | | |
|-----------|------|---|-----------|----------|-----------------------|--------|
| LINE | ITEM | DESCRIPTION | UNITS | QUANTITY | UNIT PRICE | AMOUNT |
| TRAIL ITE | EMS | | | | | |
| 1 | 618 | MOBILIZATION | L.S. | 1 | | \$ - |
| 2 | 201 | CLEARING AND GRUBBING | L.S. | 1 | | \$ - |
| 3 | 203 | EXCAVATION FOR ROADWAY - UNCLASSIFIED | C.Y. | 295 | | \$ - |
| 4 | 203 | EMBANKMENT IN PLACE W/ COMPACTION | C.Y. | 367 | | \$ - |
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| 6 | 401 | BITUMINOUS PAVEMENT MIXTURE (BP-2) | TON | 313 | | \$ - |
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| 9 | 608 | 4" PVC SLEEVES (15' IN LENGTH) | L.F. | 60 | | \$ - |
| 10 | | CONCRETE FLUME | S.Y. | 5 | | \$ - |
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| 13 | 806 | SILT FENCE | L.F. | 182 | | \$ - |
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| 15 | | REMOVAL OF UNSUITABLE MATERIAL | C.Y. | 50 | | \$ - |
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| | | | | | TRAIL ITEMS SUBTOTAL | \$ - |
| BRIDGE I | TEMS | | | | | |
| 17 | 206 | UNCLASSIFIED EXCAVATION (STRUCTURE) | C.Y. | 76 | | \$ - |
| 18 | 611 | TYPE 2 ROCK BLANKET | C.Y. | 160 | | \$ - |
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| 27 | 703 | RAIL | L.F. | 172 | | \$ - |
| | | | | | BRIDGE ITEMS SUBTOTAL | \$ - |
| | | | | | TOTAL CONTRACT | • |
| | | | | | TOTAL CONTRACT | \$ - |





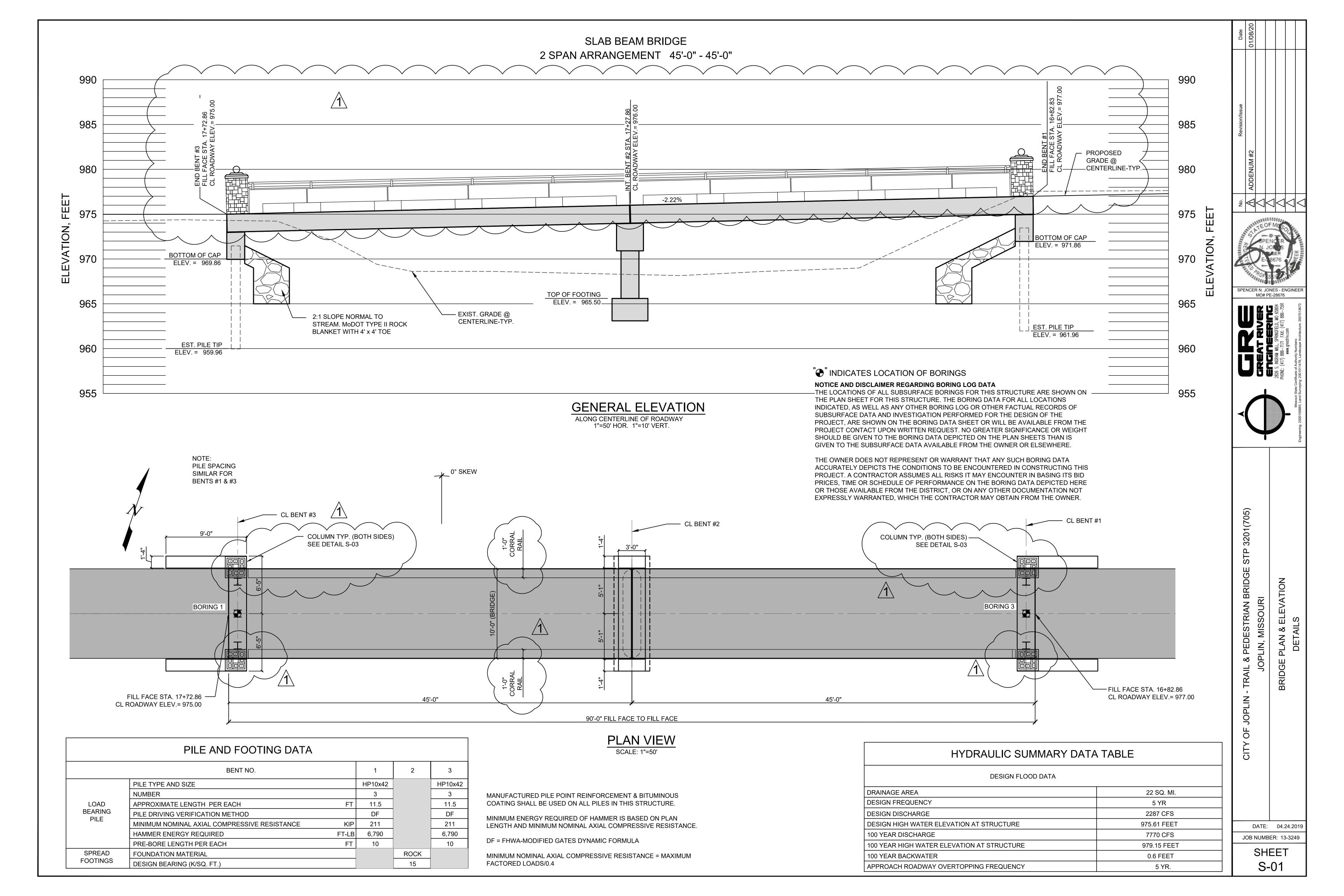


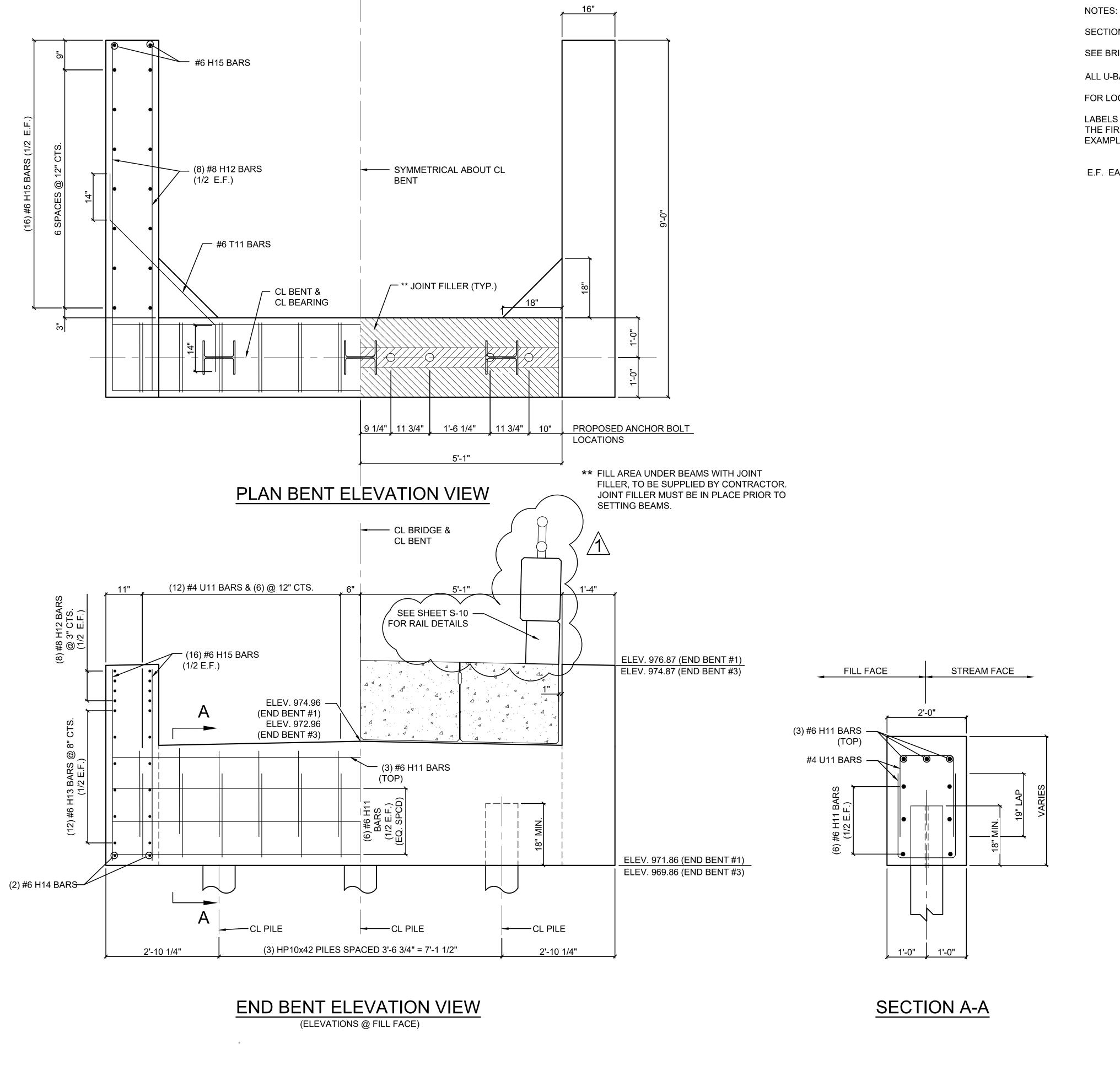


TRAIL & PEDESTRIAN BRIDGE STP 3201(705) JOPLIN, MISSOURI

DATE: 04.24.2019 JOB NUMBER: 13-3249

SHEET QTY-01





SECTIONS A-A IS TAKEN NORMAL TO CENTERLINE OF BENT.

SEE BRIDGE BILL OF REINFORCING STEEL SHEET FOR BAR DETAILS.

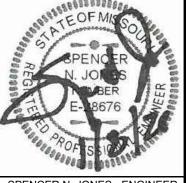
ALL U-BARS AND V-BAR PAIRS IN END BENT ARE TO BE PLACED PARALLEL TO CL OF TRAIL.

FOR LOCATION OF ANCHOR BOLTS AND DETAILS, SEE BRIDGE SLAB BEAM DETAILS SHEETS.

LABELS FOR REINFORCING STEEL ARE SHOWN FOR BENT #1. BENT #3 IS IDENTICAL EXCEPT FOR THE FIRST NUMBER OF THE BAR LABEL.

EXAMPLE: #6 V11 BARS = BENT #1 #6 V31 BARS = BENT #3

E.F. EACH FACE



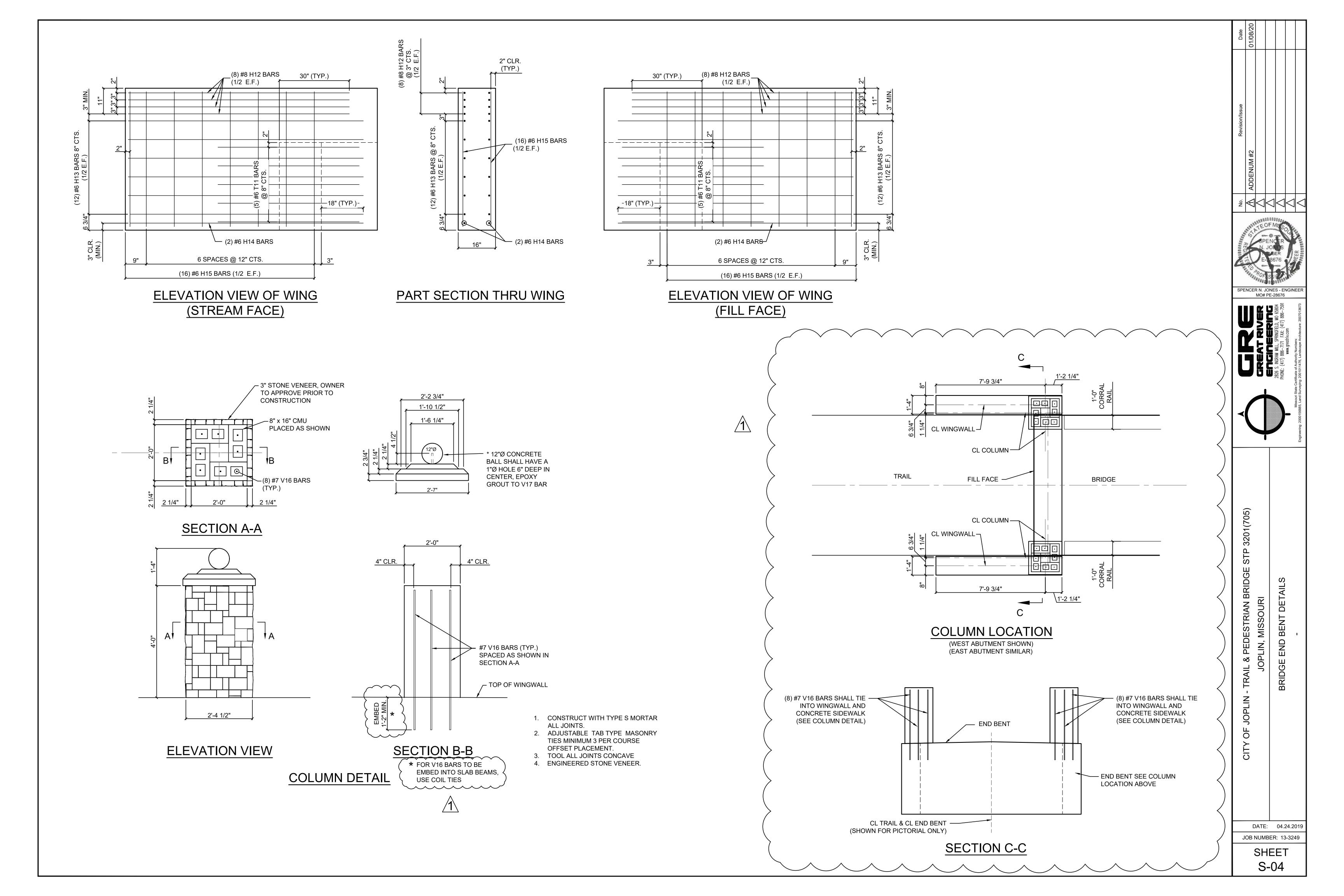
SPENCER N. JONES - ENGINEER MO# PE-28676

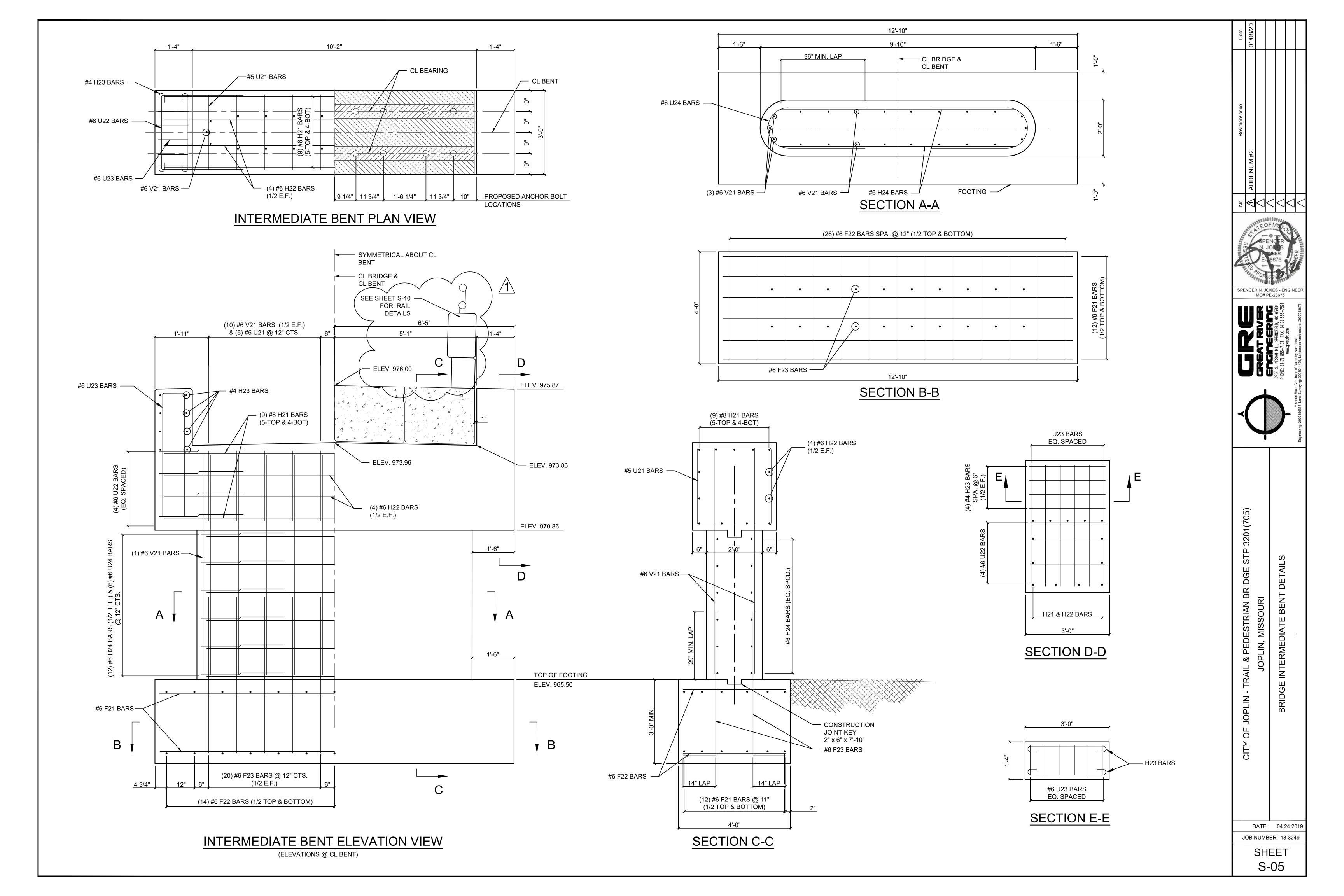


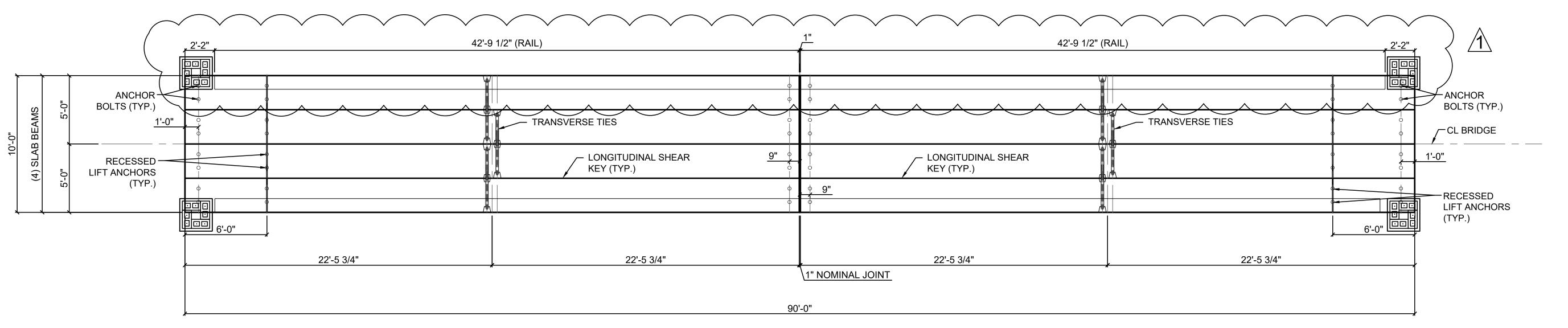
TRAIL & PEDESTRIAN BRIDGE JOPLIN, MISSOURI

DATE: 04.24.2019

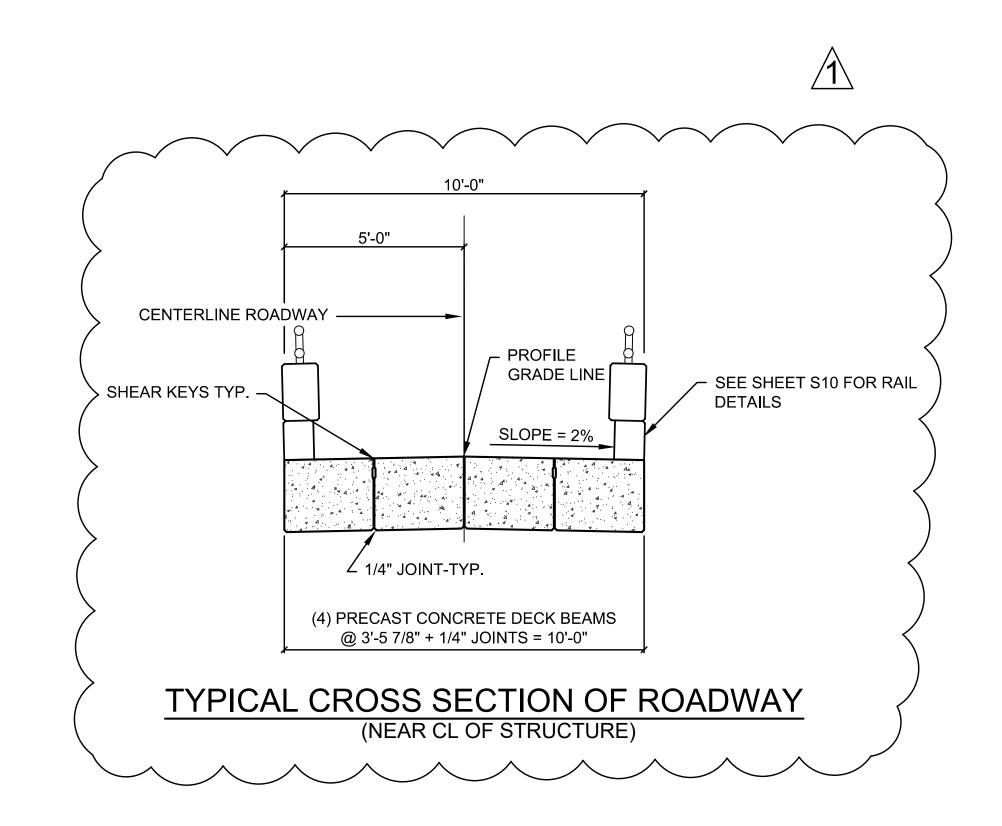
JOB NUMBER: 13-3249 SHEET S-03







SLAB BEAM LAYOUT PLAN



DESIGN DATA

DESIGN SPECIFICATIONS: 2014 A.A.S.H.T.O. LRFD BRIDGE DESIGN

SPECIFICATIONS (7TH ED.)

SEISMIC DESIGN CATEGORY 'A'

DESIGN LOADING:

FUTURE WEARING SURFACE --- 35 PSF

EARTH --- 120 PCF EQUIVALENT FLUID PRESSURE --- 45 PCF

35 POUND/SQUARE FOOT INITIAL WEARING SURFACE, NO

FUTURE WEARING SURFACE ALLOWED

SUPERSTRUCTURE: SIMPLY SUPPORTED NON-COMPOSITE

FOR DEAD AND LIVE LOADS.

NOTES:

DESIGN UNIT STRESSES FOR SLAB BEAMS;

CONCRETE REINFORCING STEEL (GRADE 60)

f'c = 4,000 psify = 60,000 psi

AFTER BEAMS HAVE BEEN ERECTED, HOLES SHALL BE DRILLED INTO SUBSTRUCTURE AND ANCHOR BOLTS PLACED. ANCHOR HOLES SHALL BE FILLED WITH HIGH STRENGTH NON-SHRINK GROUT TO TOP OF BEAM.

THE 1" DIAMETER RODS IN THE TRANSVERSE TIE ASSEMBLY SHALL BE TIGHTENED TO A SNUG FIT AND THE THREADS SET. POCKETS THAT RECEIVE TRANSVERSE TIE BAR OUTSIDE SHALL BE FILLED WITH GROUT AFTER TRANSVERSE TIE ASSEMBLY IS IN PLACE. SEE SHEET S2 FOR DETAILS. TIE RODS SHALL BE ASTM A36.

ANCHOR BOLTS, HARDENED WASHERS AND HEAVY HEXAGON NUTS SHALL BE COATED WITH A MINIMUM OF TWO COATS OF INORGANIC ZINC PRIMER (5 MILS MINIMUM).

LONGITUDINAL SHEAR KEYS SHALL BE GROUTED.

USE RECESSED LIFT ANCHORS ON EACH END. FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION.

ALL REBAR IN PRECAST SLAB BEAMS SHALL BE EPOXY COATED.

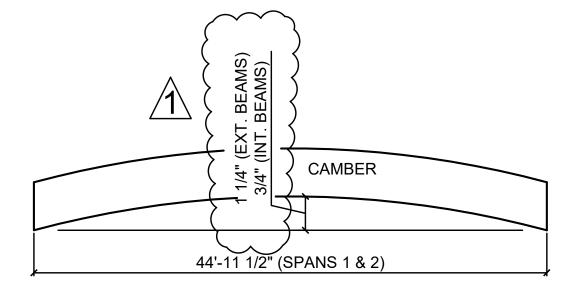
DO NOT LIFT BEAMS UNTIL CONCRETE STRENGTH IS EQUAL TO 3500 PSI.

A FINNED FLOAT PRODUCING GROOVES APPROX. 1/8" WIDE AT 5/8" TO 3/4" CENTERS AND SHALL BE APPROX. 1/8" DEEP.

JOINT FILLER MUST BE IN PLACE PRIOR TO SETTING SLAB BEAMS.

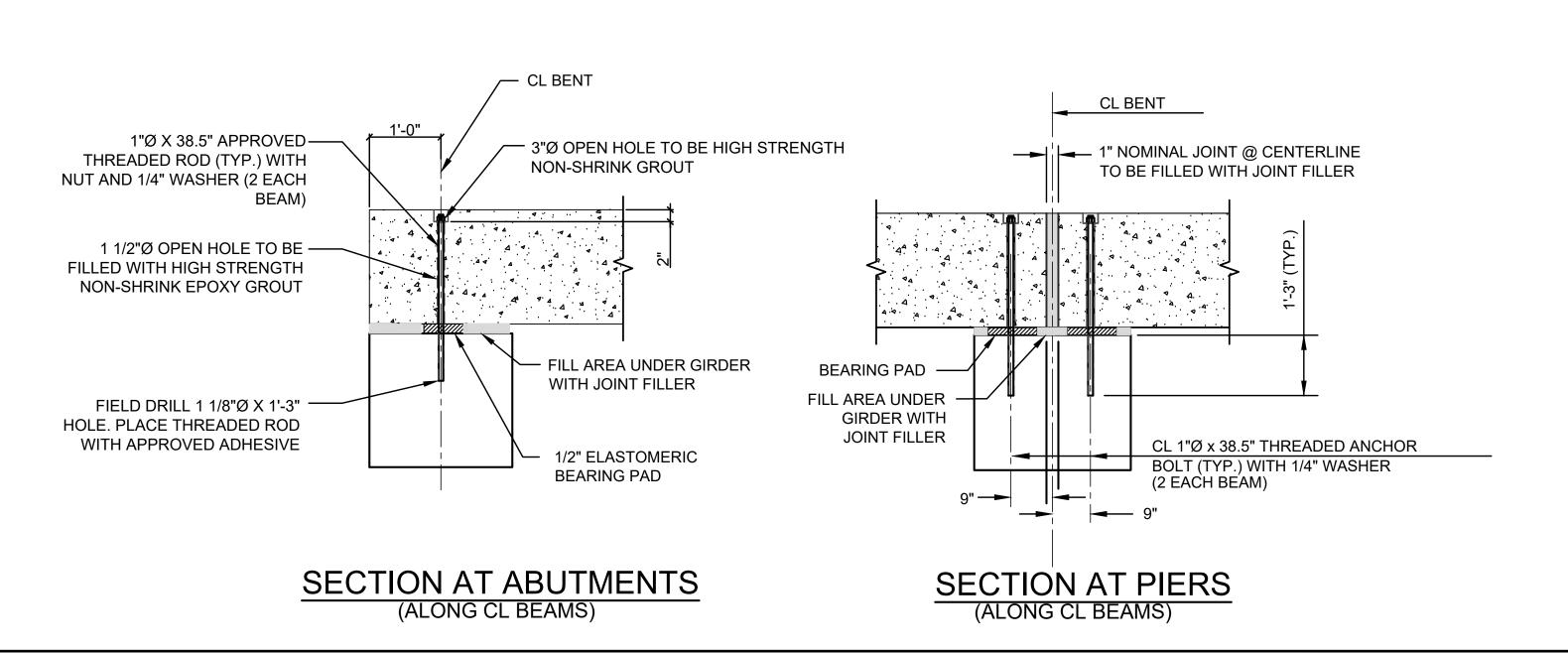
BEARINGS SHALL BE 60 DUROMETER NEOPRENE PADS.

NOMINAL 1" JOINT AT CENTERLINE OF PIERS SHALL BE FILLED WITH JOINT FILLER. SEAL JOINTS WITH SONOLISTIC NP-1 BY SONNEBORN SEALANT SYSTEMS OR APPROVED EQUAL.



TYPICAL SLAB CAMBER NOT TO SCALE

SLAB SHALL BE CAMBERED FOR DEAD LOAD DEFLECTIONS.



NOTE: THIS DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

JOB NUMBER: 13-3249 SHEET

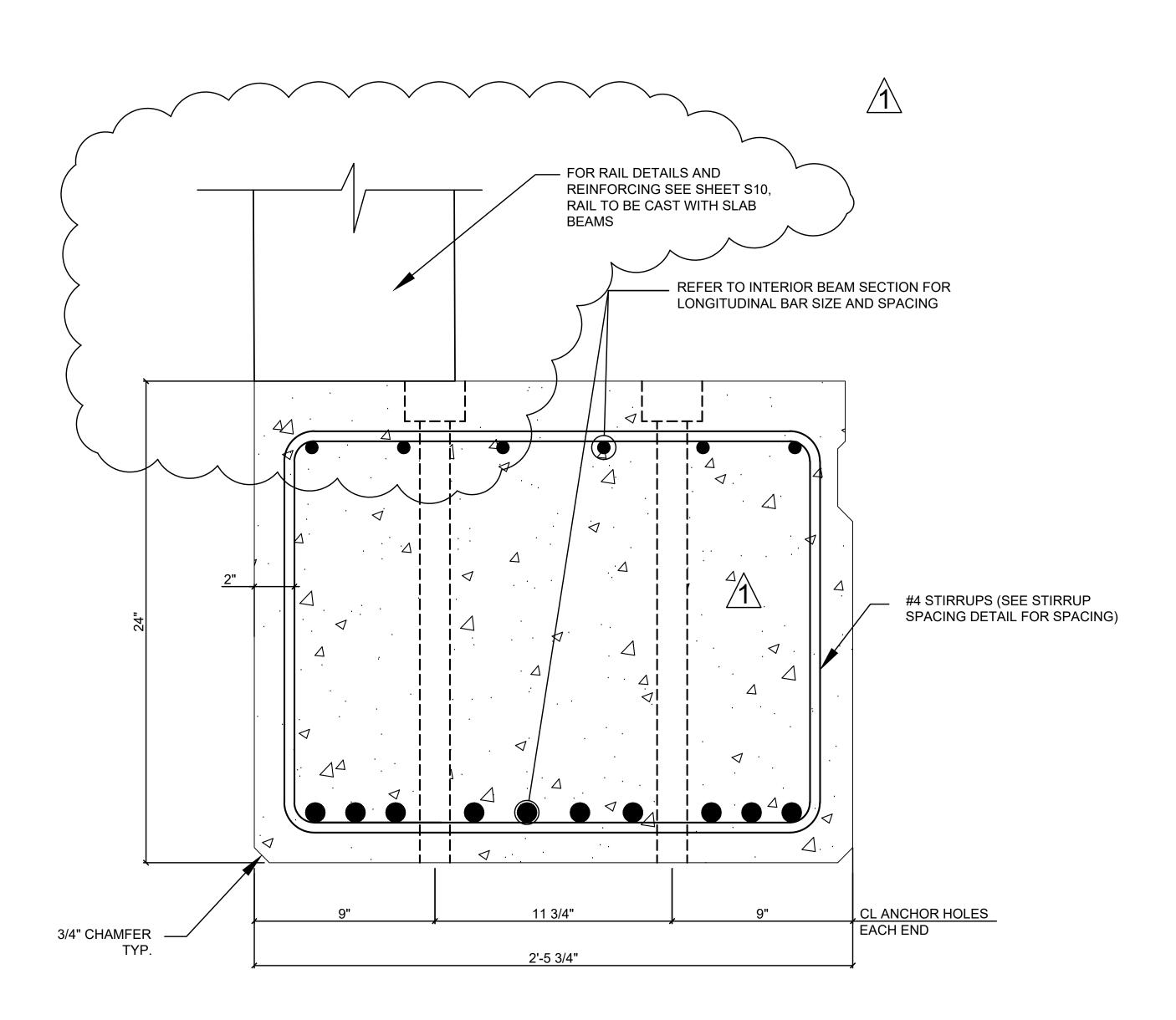
SPENCER N. JONES - ENGINEE MO# PE-28676

PEDESTRIAN B PLIN, MISSOURI AIL & PED JOPLIN,

AIL

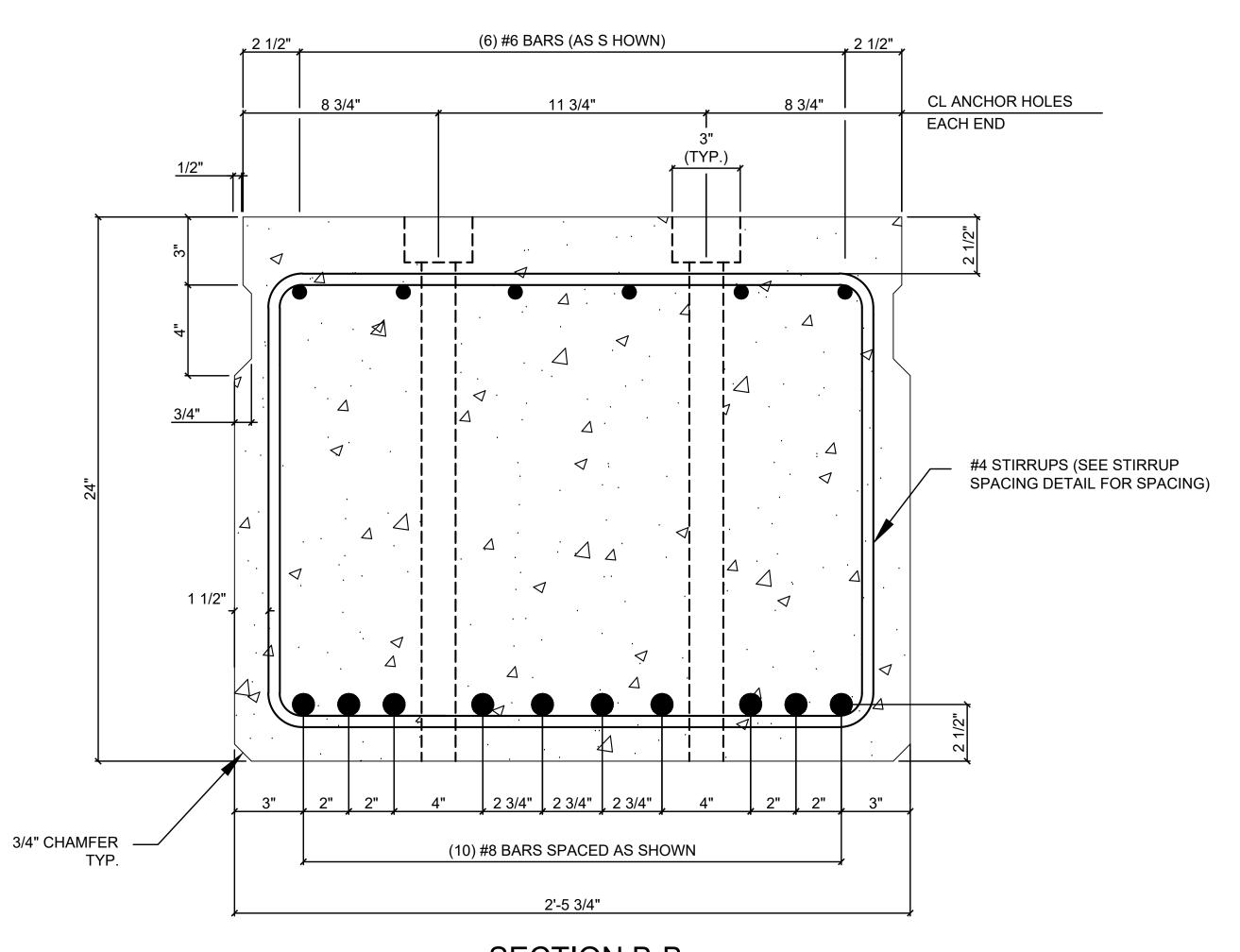
DATE: 04.24.2019

S-06



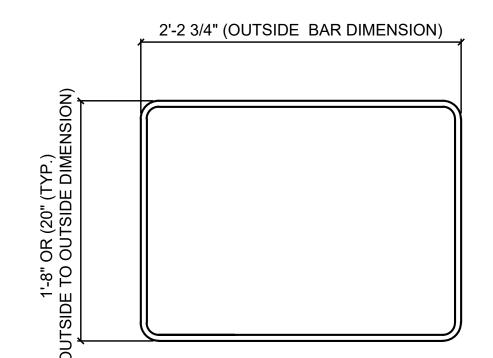
SECTION A-A

TYPICAL CROSS SECTION OF EXTERIOR BEAMS WITH CURB



SECTION B-B

TYPICAL CROSS SECTION OF INTERIOR BEAMS



"TRADITIONAL" STIRRUP DETAIL

CITY OF JOPL

DATE: 04.24.2019

JOB NUMBER: 13-3249

SPENCER N. JONES - ENGINEER MO# PE-28676

SHEET
S-08

