

**COOPERATIVE AGREEMENT BETWEEN THE TRUCKEE RIVER FLOOD MANAGEMENT  
AUTHORITY AND WASHOE COUNTY, NEVADA,  
FOR THE REPLACEMENT OF THE WADSWORTH PEDESTRIAN BRIDGE**

This COOPERATIVE AGREEMENT FOR THE REPLACEMENT OF THE WADSWORTH PEDESTRIAN BRIDGE (Agreement) is entered into between:

**TRFMA** Truckee River Flood Management Authority  
9635 Gateway Drive, Suite A  
Reno, Nevada 89521

and

**Washoe County** Washoe County,  
a political subdivision of the State of Nevada  
1001 E. Ninth Street  
Reno, Nevada 89512

**Article 1 RECITALS**

**1.1** The Truckee River Flood Management Authority (TRFMA) is a body corporate and politic, and a public agency created by an Interlocal Cooperative Agreement dated March 11, 2011, between Washoe County, the City of Sparks, Nevada, and the City of Reno, Nevada (TRFMA ICA).

**1.2** Washoe County is a political subdivision of the State of Nevada, and owns and maintains a pedestrian bridge in Wadsworth, Nevada (the Pedestrian Bridge). A map showing the location of the Pedestrian Bridge is attached hereto as Attachment A. The Pedestrian Bridge is in a significant state of disrepair. Washoe County wants the Pedestrian Bridge to be replaced.

**1.3** TRFMA was created to regulate and control flooding on the Truckee River and its key tributaries by the construction of the Truckee River Flood Management Project (the "Flood Management Project" or "Project"). A key structural element of the TRFMA Flood Management Project is the replacement of the Pedestrian Bridge to allow additional flow through the bridge to mitigate for increased flows caused by the construction of upstream Flood Management Project infrastructure and to reduce local flood levels.

**1.4** Both Washoe County and TRFMA wish to cooperate to allow TRFMA to temporarily access and control the Pedestrian Bridge and its associated easement to demolish it and construct a new pedestrian bridge.

**1.5** Washoe County and TRFMA are authorized to enter into this Agreement by NRS 277.045.

**1.6** TRFMA is authorized to expend funds to demolish the Pedestrian Bridge and construct a new pedestrian bridge by NRS Chapter 377B; the Infrastructure Tax Plan Adopted November 17, 1998, for Public Safety and Flood Control Projects, as amended; the TRFMA ICA; and related ordinances.

**NOW, THEREFORE**, in consideration of the premises and mutual promises set forth below, the parties agree as follows:

**Article 2 The Wadsworth Pedestrian Bridge Replacement Project.** TRFMA's Wadsworth Pedestrian Bridge Replacement Project involves the demolition of the current Wadsworth Pedestrian Bridge (Pedestrian Bridge) and the construction of a new pedestrian bridge (New Bridge) that will lower the flood water level and upstream flooding caused by the bridge during large, rare storm events. Based on modeling studies completed for the new bridge design, the replacement Pedestrian Bridge will fully mitigate the increased inundation upstream of the bridge caused by the additional flow created by the Truckee Meadows Flood Project upstream of the Pedestrian Bridge. The design plans for the Pedestrian Bridge are attached hereto as Attachment B.

**Article 3 License to Enter, Control and Demolish existing Pedestrian Bridge.** Washoe County hereby grants an exclusive license to TRFMA and its contractors to enter and use the Pedestrian Bridge and its associated easements as identified in Attachment A to this Agreement. Washoe County also grants an exclusive license to TRFMA and its contractors to demolish the Pedestrian Bridge, construct the New Bridge consistent with the design plans attached as Attachment B, and perform all other work and activities necessary to implement and complete the Wadsworth Pedestrian Bridge Replacement Project.

**Article 4 Effective Date of the Agreement**

**4.1** The effective date of the agreement shall be the last date of the signatures below.

**4.2** TRFMA and its contractors may commence work and access the Pedestrian Bridge and its related easements commencing on the effective date of this Agreement. However, TRFMA shall not restrict access to and use of the Pedestrian Bridge by members of the public during the school year, so demolition and construction work that will interfere with the use of the Pedestrian Bridge or the New Bridge shall occur during the Washoe County School District summer break in either the summer of 2025 (June 7 to August 11, 2025) or 2026 (June 6 to approximately August 10, 2026).

**Article 5 Approval of the Design of the Replacement Pedestrian Bridge.**

**5.1** Washoe County has had the opportunity to review the plans for the New Bridge that are attached as Attachment B and hereby agrees that a bridge built in accordance with those plans is an acceptable replacement for the Pedestrian Bridge.

5.2 TRFMA agrees that it shall construct the New Bridge in substantial accordance with the New Bridge plans and specification attached as Attachment B.

5.3 Washoe County agrees that changes to the New Bridge design may be made if such are preferable, necessary, or beneficial and that such changes will not limit the capacity of the New Bridge to safely function as a pedestrian bridge.

5.4 TRFMA shall present any significant proposed changes to the New Bridge design to Washoe County for review and approval. Washoe County's review of the proposed changes shall be limited to whether the proposed changes limit the capacity of the New Bridge to safely function as a pedestrian bridge. Washoe County shall not unreasonably withhold approval of any proposed change. Washoe County shall respond to TRFMA regarding proposed changes within 15 calendar days of presentation of the proposed changes. Failure to provide approval or comment within 15 calendar days will constitute approval of the proposed changes.

5.5 If TRMFA is for any reason unable to proceed with the Bridge Replacement Project before demolition of the Pedestrian Bridge has commenced, TRFMA shall have no further obligation to Washoe County to repair or replace the Pedestrian Bridge.

## **Article 6 Demolition and Construction.**

6.1 TRFMA will conduct the bidding process and select all contractors and consultants for the Bridge Replacement project at its sole discretion. Washoe County will be allowed to participate in the construction bid process by nominating a staff member to serve as a member of the TRFMA contractor selection committee.

6.2 TRFMA and its consultants will oversee and manage the demolition of the Pedestrian Bridge and the construction of the New Bridge. TRFMA may accept technical assistance from Washoe county on any demolition or construction issues at its discretion.

6.3 TRFMA or its contractors shall obtain all permits required by federal law, state law, and local ordinances prior to the demolition of the Pedestrian Bridge and the construction of the New Bridge and will comply with provisions of those permits and all controlling federal and state laws.

6.4 TRFMA Board of Directors will consider and approve the Bridge Replacement Project Construction Contract and related documents (Construction Contract). No approval of the Construction Contract will be required from the Washoe County Board of County Commissioners.

6.5 TRFMA shall be the sole contracting party with the selected Bridge Replacement Project contractor (Contractor), and there will be no contractual privity between Washoe County and the Contractor or with other consultants involved in the

Bridge Replacement Project. TRFMA will be considered the owner of the Pedestrian Bridge and the New Bridge for purposes of the Construction Contract.

6.6 TRFMA will be solely responsible for paying all costs and expenses for the demolition of the Pedestrian Bridge and construction of the New Bridge. After the New Bridge is handed over to Washoe County, Washoe County shall be responsible for all costs of maintenance for the New Bridge, subject to the provisions of Article 9 below.

## **Article 7      Ownership of the New Bridge.**

7.1 After the New Bridge is delivered to Washoe County pursuant to the procedures described in Article 8 below, it will be fully and individually owned by Washoe County.

7.2 Following delivery of the New Bridge, TRFMA will have no obligation or duty to maintain, repair, or monitor the bridge.

7.3 Following delivery of the New Bridge, Washoe County will have exclusive control of the bridge, and TRFMA will have no right to access or use the New Bridge beyond that enjoyed by the public, unless further right is granted TRMFA by Washoe County.

7.4 Following the delivery of the New Bridge to Washoe County, if Washoe County makes any structural changes or alterations to the New Bridge, it will ensure that such changes or alterations will not alter the hydraulic capacity of the New Bridge or cause greater inundation along the river immediately upstream of the bridge.

## **Article 8      Acceptance of the New Bridge and Termination of the License.**

8.1 Pursuant to Section 15.05 of the Standard General Conditions of the Construction Contract, the Contractor will notify TRFMA that the construction of the New Bridge is complete, and TRFMA will then conduct a final inspection. TRFMA shall notify Washoe County of the final inspection, and Washoe County shall be entitled to accompany TRFMA on the final inspection of the New Bridge if it wishes. Within five (5) days of the final inspection Washoe County may provide TRFMA a list of instances where it deems the work on the New Bridge to be incomplete or defective, and TRFMA shall include Washoe County's observations in its own list of instances of incomplete or defective construction to the Contractor.

8.2 TRFMA will deliver the New Bridge to Washoe County's ownership and exclusive control after the final inspection of the bridge and final payment to the Contractor as set forth in Sections 15.05 and 15.06 of the Standard General Conditions of the Construction Contract. Delivery will be made by written notice from the TRFMA Executive Director to Washoe County. TRFMA shall include "As-built" plans or "record drawings" for the New Bridge to Washoe County as part of the notice of delivery.

**8.3** Washoe County shall accept the delivery of the New Bridge in writing within five (5) business days of delivery of the written notice from TRFMA. Failure to provide approval or comment within five (5) days will constitute acceptance of delivery of the New Bridge. Washoe County shall accept the New Bridge if it has been constructed in substantial compliance with the plans attached hereto as Attachment B and any changes that have been authorized pursuant to Article 5 of this Agreement.

**8.4** TRFMA's license to access, control, or conduct work on the New Bridge terminates upon Washoe County's acceptance of the New Bridge pursuant to paragraph 8.3 of this Agreement.

**8.5** Washoe County hereby grants permission to TRFMA or its contractors to access the New Bridge to conduct inspections, tests, studies, or work if Washoe County has given notice to TRFMA of any discovered defect or breach of warranty as set forth in Article 9 below.

## **Article 9 Correction Period and Warranties**

**9.1** After transfer of the New Bridge to Washoe County pursuant to Article 8 of this Agreement, if Washoe County finds that the construction work was not performed in accordance with the Construction Contract documents or is defective, Washoe County may call on TRFMA to enforce any rights TRFMA may have against the Contractor as set forth in Section 7.17 (Contractor's General Warranty and Guarantee) or Section 15.08 (Correction Period) of the Construction Contract.

**9.2** If Washoe County finds that any work is defective, that the Contractor's repair of any damages to the site or adjacent area is defective, or that any warranty or guarantee of the Construction Contract has been breached, Washoe County shall notify TRFMA within 30 days of discovery of the defective work.

**9.3** If TRFMA agrees that defects are found to exist in the New Bridge in violation of the Construction Contract and notice has been given in accordance with Section 9.2 above, TRFMA shall pursue the remedies available under the Construction Contract for defective work. TRFMA shall not, however, have any obligation or duty toward Washoe County to repair or remedy any defects itself. TRFMA shall not be liable to Washoe County for monetary damages or equitable relief for any breach of any obligation of the Construction Contract between TRFMA and the Contractor.

## **Article 10 Termination.**

**10.1 Term.** This Agreement shall terminate upon the termination of the contractor's warranties and guarantees to TRFMA under Section 7.17 of the Construction Contract.

**9.2 Termination for Default.** In the event a party fails to perform any duty or satisfy any term or condition contained in this Agreement (**Party in Default**), the other

party shall provide the Party in Default with written notice thereof and the Party in Default shall thereafter have thirty (30) days or other reasonable time period to cure or diligently commence to cure such failure, including through a demand for specific performance of an act required to be performed under this Agreement. If the Party in Default fails to cure, or fails to diligently pursue curing, any defect in performance to the reasonable satisfaction of the other party, the other party may terminate this Agreement with thirty (30) days advance written notice to the Party in Default. Alternatively, if a Party in Default fails to cure or to diligently pursue curing any defect in performance within thirty (30) days written notice, the other party may seek any other remedies at law or equity to cure the defect in performance of the Party in Default.

## **Article 11 Indemnification.**

**11.1** TRFMA agrees to hold harmless, indemnify, and defend Washoe County, their officers, agents, employees, and volunteers from any loss or liability, financial or otherwise, resulting from any claim, demand, suit, action, or cause of action of any kind whatsoever, caused by the omission, failure to act, or negligence on the part of TRFMA, its employees, agents, representatives, or contractors in the performance of this agreement or in the design, construction, or maintenance of any project undertaken as part of this agreement.

**11.2** Washoe County agrees to hold harmless, indemnify, and defend TRFMA, their officers, agents, employees, and volunteers from any loss or liability, financial or otherwise, resulting from any claim, demand, suit, action, or cause of action of any kind whatsoever, including, without limitation, death, or property damage, caused by the omission, failure to act, or negligence on the part of Washoe County, its employees, agents, representatives, or subcontractors in the performance of this agreement or in the maintenance and operation of the New Bridge after its delivery in accordance with Article 8 above.

## **Article 12 General Provisions.**

**12.1** Non-Impairment of Agreement. Washoe County shall not take any action, enter into any agreement, or enact, revoke or amend any law, regulation or rule that would prejudice or have a materially adverse effect on the rights of TRFMA under this Agreement. Similarly, TRFMA shall not take any action, enter into any agreement, or enact, revoke or amend any law, regulation or rule that would prejudice or have a materially adverse effect on the rights of Washoe County under this Agreement.

**12.2** Choice of Law and Venue. This Agreement shall be construed under and governed by the laws of the State of Nevada, and any action to enforce it shall be brought in the Second Judicial District Court for the State of Nevada.

**12.3** Entire Agreement. This Agreement represents the full and complete understanding by all the parties and changes may be made only with the written approval of the parties.

**12.4 Assignment.** This Agreement shall be binding upon the parties, their representatives, successors, and assigns. No assignment or transfer of this agreement or any part thereof shall occur unless mutually agreed upon in writing by both parties.

**12.5 Modification.** This Agreement may be modified in writing and signed by both parties.

**12.6 Severability.** Each paragraph and provision of this Agreement is severable, and if one or more paragraphs or provisions of this Agreement are declared invalid, the remaining paragraphs and provisions of this Agreement will, if possible, remain in full force and effect.

**12.7 Covenants of Further Assurance.** The parties to this Agreement covenant and agree to act in good faith and to take such further action as may be required to fully effectuate the intentions of the parties under this Agreement.

**12.8 Notices.** All notices required by this Agreement shall be in writing, must be sent to the addresses provided below and are deemed effective upon placement in the United States Mail, postage prepaid addressed to:

George Robison, Executive Director,  
Truckee River Flood Management  
Authority  
9635 Gateway Drive, Suite A  
Reno, NV 89521

Dwayne Smith  
Division Director  
Engineering & Capital Projects  
Washoe County  
1001 E. Ninth St.  
Reno, NV 89512

**12.9 Counterparts.** This Agreement may be executed in counterparts and is deemed duly executed when original signature pages of all parties are executed and delivered.

////////Nothing Follows On This Page////////

IN WITNESS WHEREOF, the parties hereto have executed this agreement this \_\_\_\_\_ day of \_\_\_\_\_, 2025.

**WASHOE COUNTY,**

By \_\_\_\_\_  
Alexis Hill, Chair  
of the Washoe County Commission

Date \_\_\_\_\_

**TRUCKEE RIVER FLOOD MANAGEMENT AUTHORITY**

By \_\_\_\_\_  
Donald Abbott, Chair of the  
TRFMA Board of Directors

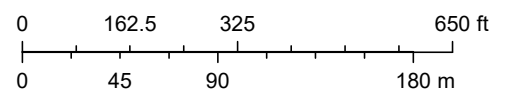
Date \_\_\_\_\_

## Attachment A



March 7, 2025

1:4,514



Washoe County GIS, Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

This information for illustrative purposes only. Not be used for boundary

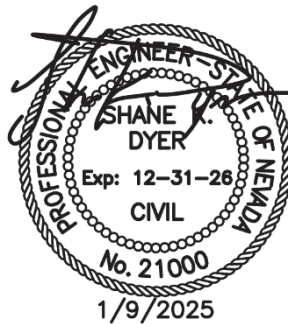
# **CONTRACT DOCUMENTS AND TECHNICAL SPECIFICATIONS**

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## **WADSWORTH MITIGATION PROJECT**

### **PEDESTRIAN BRIDGE AND UTILITIES REPLACEMENT**

PWP-WA-2025-092  
QuestCDN #9472974



JANUARY 2025

PREPARED FOR:

### **TRUCKEE RIVER FLOOD MANAGEMENT AUTHORITY**

9635 GATEWAY DR., SUITE A  
RENO, NV 89521

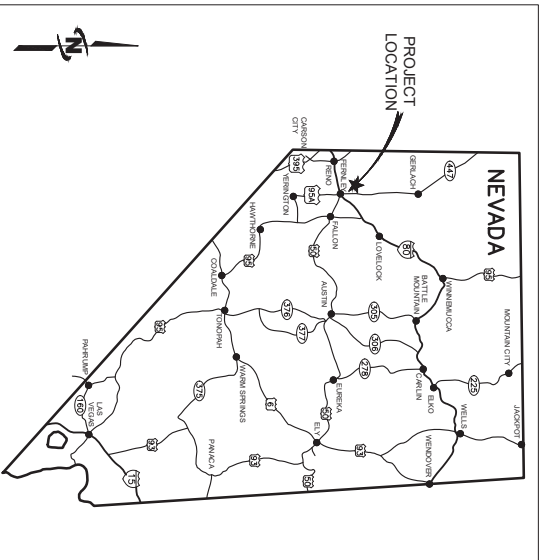
PREPARED BY:



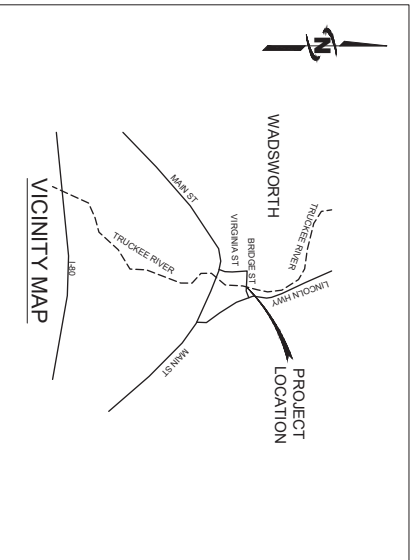
**J-U-B ENGINEERS**

5190 NEIL, RD., SUITE 500  
RENO, NEVADA 8950

WADSWORTH, NEVADA



AREA MAP



JANUARY 2025  
ISSUED FOR BIDDING  
PWP-WA-2025-092

PROJECT NO. 49-22-007



THE  
LANGDON  
GROUP



**GATEWAY  
MAPPING  
INC.**

J-U-B FAMILY OF COMPANIES



**J-U-B ENGINEERS, INC.**



OWNER:

TRUCKEE RIVER FLOOD MANAGEMENT AUTHORITY  
E. GEORGE ROBISON, PhD, PE, D.WRE  
9635 GATEWAY DR, SUITE A, RENO, NV  
P-(775) 303-3708

ENGINEER:

J-U-B ENGINEERS, INC.  
SHANE K. DYER, PE  
5190 NEL ROAD, SUITE 500, RENO, NV  
(775) 784-1110

## GEOTECHNICAL ENGINEER:

RENO TAHOE GEO ASSOCIATES, INC.  
JONATHAN W. PEASE, Ph.D., PE, GE  
P.O. BOX 18449, RENO, NV  
P:(775) 853-9100

## STRUCTURAL ENGINEER

SHIELDS ENGINEERING, INC.  
JOE SHIELDS, CE/SE  
9585 PROTOTYPE COURT, SUITE A, RENO, NV  
P:(775) 829-9277

AGENCY AND ENTITY CONTACTS:

PYRAMID LAKE PAUTE TRIBE  
POLICE  
AMBLANCE  
DIX LINE  
WASHOE COUNTY  
TRUCKEE RIVER FLOOD MANAGEMENT AUTHORITY (TRFMA)

## REUSE OF DOCUMENTS

J-U-B grants to CLIENT a nonexclusive, non-transferable license to use the Drawings, Specifications and/or Contract Documents (Documents) as follows:

CLIENT may make and retain copies of the Documents for reference, but A-LB shall retain all common law, statutory or reserved rights, including the copyright thereto, and the same shall not be reused on this Project or any other Project without A-LB's prior written consent. Distribution of Documents to meet regulatory or permitting requirements, or for similar purposes, in connection with the Project, including but not limited to distribution to contractors or subcontractors for the performance of their work, is not to be construed as publication adversely affecting the reserved rights of A-LB. Documents are not intended for use in creating dm for grading or earthwork, survey staking layout (unless specifically identified as such in the Documents), or property boundary marks.

Any reuse without written consent by J-U-B or without verification of adoption by J-U-B for the specific purpose intended by the reuse, will be at CLIENT's sole risk and without liability or legal exposure to J-U-B. The CLIENT shall release, defend, indemnify, and hold J-U-B harmless from any claims, damages, actions or causes of action, losses, and expenses, including reasonable attorneys' and expert fees, arising out of or resulting from such reuse.

LAST UPDATED: 1/2005
SHEET NUMBER:

**G-001**

If the Documents are provided in electronic format, the electronic documents are subject to the provisions of JUB's "electronic document/data limited license" found at [edocs.jub.com](http://edocs.jub.com)

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LAST UPDATED: 1/9/2025  
SHEET NUMBER:  
G-001

## GENERAL NOTES:

1. NO WORK WILL OCCUR BELOW THE ORDINARY HIGH-WATER MARK.
  2. ALL WORK WILL BE COMPLETED WITHIN THE DESIGNATED PROPOSED PROJECT FOOTPRINT AND DURING THE WORKING HOURS OF 7AM TO 7PM.
  3. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE PLANS AND THE TECHNICAL SPECIFICATIONS; ALL WORK NOT COVERED HEREIN SHALL BE PER THE 2012 EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION REV. 8.
  4. A PRECONSTRUCTION CONFERENCE SHALL BE HELD AT MINIMUM OF THREE (3) WEEKS PRIOR TO START-UP OF WORK. ALL CONTRACTORS, SUBCONTRACTORS AND/OR UTILITY CONTRACTORS SHALL BE PRESENT.
    5. THE CONTRACTOR SHALL PROVIDE ALL CONSTRUCTION STAKING FOR VERTICAL AND HORIZONTAL CONTROL. ALL CONSTRUCTION STAKING SHALL BE COMPLETED UNDER THE CLOSE PERSONAL SUPERVISION OF THE CONTRACTOR'S NEVADA CONSTRUCTION STAKING SHALL BE INCIDENTAL TO THE PROJECT.
    6. THE CONTRACTOR AND ALL SUB-CONTRACTORS SHALL BE LICENSED BY THE STATE OF NEVADA AND BOUNDED TO DO WORK IN THE PUBLIC RIGHT-OF-WAY.
    7. THE CONTRACTOR IS REQUIRED TO PROVIDE THE OWNER WITH A 24 HOUR EMERGENCY CONTACT NUMBER FOR ANY PERSON FOR THE PROJECT. THE EMERGENCY CONTACT SHALL HAVE A MAXIMUM ONE HOUR RESPONSE TIME AND SHALL HAVE THE AUTHORITY TO MOBILIZE EQUIPMENT AND MANPOWER AS REQUIRED.
    8. ALL CONTRACTORS WORKING WITHIN THE PROJECT BOUNDARIES ARE RESPONSIBLE FOR COMPLIANCE WITH ALL CITY, COUNTY AND FEDERAL JURISDICTION REGULATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL SAFETY DEVICES AND CONTROL OF TRAFFIC WITHIN AND AROUND THE CONSTRUCTION AREA.
    9. ALL MATERIALS FINISHED ON OR FOR THE PROJECT MUST MEET THE MINIMUM REQUIREMENTS IN THE SPECIFICATIONS AND CONTRACTORS MUST FURNISH PROOF THAT ALL MATERIALS INSTALLED ON THIS PROJECT MEET THE REQUIREMENTS SET FORTH IN THESE SPECIFICATIONS. A SUBMITTAL IS REQUIRED ON REQUEST BY THE ENGINEER.
    10. ENGINEER SHALL INSPECT ALL WORK PRIOR TO COVER SUCH AS: PLACEMENT OF FOUNDATIONS, AGGREGATE BASE, REBAR, IRIGATION PIPE, ETC.
    11. THE CONTRACTOR SHALL OBTAIN AND HAVE AVAILABLE COPIES OF ALL APPLICABLE STANDARDS AT THE JOB SITE FOR THE DURATION OF THE RELATED CONSTRUCTION OPERATIONS.
    12. PROTECT EXISTING BUILDINGS, FENCES, RETAINING WALLS, UTILITIES, IRRIGATION SYSTEMS, AND ANY OTHER ADJACENT FACILITIES. UNLESS SPECIFICALLY NOTED ON APPLICATION, FACILITIES BY THE CONTRACTOR SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND NO ADDITIONAL COMPENSATION SHALL BE PROVIDED TO REPAIR THE DAMAGE. REPAIRS SHALL BE TO THE SATISFACTION OF THE OWNER.
    13. EQUIPMENT MAINTENANCE LOG TO BE KEPT ON SITE AT ALL TIMES AND AVAILABLE UPON REQUEST. LOG MUST DOCUMENT INSPECTIONS AND ACTIONS IN ACCORDANCE WITH THE NDEP.
- ## EXISTING UTILITIES/EROSION CONTROL NOTES:
1. APPROXIMATE LOCATIONS OF UTILITIES ARE SHOWN ON THE PLANS. THEY ARE TO BE USED FOR GENERAL INFORMATION ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES BEFORE CONSTRUCTION MIGHT INTERFERE WITH NORMAL OPERATION OF ANY UTILITIES. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE THE APPROPRIATE UTILITY COMPANY RELEASED FOR CONSTRUCTION INFORMATION WHICH MAY BE AFFECTED BY CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING PERMISSION FROM THE UTILITY COMPANY REGARDING ANY UTILITIES DAMAGED DUE TO CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORING ANY UTILITIES DAMAGED DUE TO CONSTRUCTION ACTIVITIES TO ORIGINAL CONDITION OR BETTER. IF THERE ARE CHANGES TO UTILITIES ARE UNKNOWN UNLESS OTHERWISE SHOWN, CONTRACTOR SHALL FIELD VERIFY UTILITY DEPTHS, ELAVATIONS, ANY DISCREPANCIES AND/OR CORRECTIONS SHALL BE IMMEDIATELY CALLED OUT TO THE ENGINEER. THE ENGINEER HAS THE AUTHORITY TO REQUEST LOCATION OF UNDERGROUND UTILITIES.

EXISTING UTILITIES/EROSION  
CONTROL NOTES:

2. THE CONTRACTOR SHALL SUBMIT A COMPLETE EROSION CONTROL PLAN TO THE OWNER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION. THE EROSION CONTROL PLAN SHALL REQUIREMENTS OF SECTION 100.49.01 OF THE 2012 EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION REV. 8. THE SUBMITAL IS REQUIRED 7 DAYS BEFORE THE START DATE OF CONSTRUCTION. THE EROSION CONTROL PLAN TO FOLLOW/COMPLY WITH ACCEPTED BMP'S AND INCLUDE NARRATIVE FOR MAINTENANCE OF EROSION CONTROL DEVICES. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ANY PERMITS REQUIRED FOR EROSION CONTROL.
  3. ALL UNPAVED AND UNGRAVELLED AREAS DISTURBED DURING CONSTRUCTION SHALL BE HYDROSEED WITH DRYLAND GRASS SEED MIX, UNLESS OTHERWISE NOTED. PRIOR TO ANY SEEDING, PLOUGH, SO THAT THE SPRINGS IS FREE OF SURFACE. KEEP WATERED TO CONTROL DUST AND SEED UPON COMPLETION OF WORK.
- PATHWAY, TRAFFIC, & DRAINAGE NOTES:**
1. ALL DIMENSIONS SHOWN ON THESE PLANS AND ANY EXISTING CONDITIONS SHALL BE CHECKED AND VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION. ANY DISCREPANCIES SHALL WARRANT IMMEDIATE ATTENTION OF THE ENGINEER WITH PROBLEMS PRIOR TO PROCEEDING WITH CONSTRUCTION.
  2. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE PATHS AND FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL IMPROVEMENTS ARE IN PLACE AND FUNCTIONING.
  3. THE CONTRACTOR SHALL PROVIDE MATERIAL TESTING BY A CERTIFIED TESTING LABORATORY. THE CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN ALL NECESSARY MATERIALS, MATERIAL TESTING, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND CONTACT THE INSPECTOR 24 BUSINESS HOURS IN ADVANCE OF ANY MATERIAL TESTS. THE CONTRACTOR SHALL PROVIDE TO THE OWNER AND/OR THE OWNER'S REPRESENTATIVE, ALL MATERIAL TESTING IS INCIDENTAL TO THE PROJECT.
  4. ALL MATERIAL, PLACED AS FILL OR BUCKFILL SHALL BE PLACED, COMPACTED, AND TESTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND THE PLANS.
  5. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL PREPARATION AND TRAFFIC CONTROL TEMPORARY BARBERCROSSING, SIGNING, TRAFFIC DELINEATION, MARKING, AND CONSTRUCTION DETOURING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES, DEVICES, AND THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE OWNER FOR REVIEW MINIMUM 1 WEEK PRIOR TO BEGINNING WORK.
  6. MAINTAIN ACCESS TO ALL EXISTING PUBLIC AND PRIVATE ROADS, ACCESSSES, PROPERTIES, AND BUSINESSES DURING CONSTRUCTION. COORDINATE WITH ALL AFFECTED PROPERTY OWNERS, AND MINIMIZE DISRUPTION TO ACCESS AND OPERATIONS. ACCESS FOR EMERGENCY VEHICLES SHALL BE MAINTAINED AT ALL TIMES.
  7. MONDAY-FRIDAY 8 HOURS OF OPERATION SHALL BE. MONDAY-FRIDAY 7 AM TO 7 PM, NO WORK IS ALLOWED ON SUNDAYS, HOLIDAYS, AND OTHER SPECIAL EVENTS. ALL WORKERS MUST WEAR SAFETY GEAR INCLUDING HELMETS AND MAINTENANCE OF TRAFFIC CONTROL AND/OR EROSION AND SEDIMENT CONTROL BMP'S.
  8. AT COMPLETION OF PROJECT, CONTRACTOR SHALL NOTIFY OWNER AND/OR OWNER'S REPRESENTATIVE FOR FINAL PUNCH LIST WALK THROUGH. FINAL PUNCH LIST ITEMS SHALL BE COMPLETED NO LATER THAN TWO (2) WEEKS AFTER FINAL PUNCH LIST WALK THROUGH.
  9. PRIOR TO FINAL PROJECT ACCEPTANCE, CONTRACTOR SHALL CLEAN ALL UNDERGROUND STRUCTURES INCLUDING BUT NOT LIMITED TO MANHOLES, CATCH BASINS, SEWER PIPE AND STORMWATER DRAINAGE. CONTRACTOR SHALL REMOVE SMUDGES, GRAFFITI, STAINS, SEDIMENT, SPILLS, SPILLS, AND OTHER FOREIGN DEPOSITS.
  10. A COPY OF THE REQUIRED PERMITS MUST BE KEPT ONSITE AT ALL TIMES. THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL FROM THE CONTRACTOR REQUIREMENTS LISTED

## PATHWAY, TRAFFIC, & DRAINAGE NOTES:

12. THE CONTRACTOR MAY ELECT TO REMOVE ASPHALT SURFACES AND/OR EXISTING UTILITIES BY ACCEPTABLE METHODS. IF WASTE ASPHALT SHALL BECOME THE PROPERTY OF THE CONTRACTOR TO BE LOADED AND HAULED OFF FOR DISPOSAL. THE CONTRACTOR SHALL PROVIDE HIS OWN DISPOSAL SITE FOR PAVED/PAVED REMAINTS.
  13. A BOUNDARY SURVEY WAS NOT COMPLETED FOR THIS PROJECT. UNWORK SHOWN IS FROM AVAILABLE RECORD SURVEYS AND IS APPROXIMATE. ANY DISCREPANCY FROM THE CONTRACTOR SHALL BE THE CONTRACTOR'S RESPONSIBILITY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HIRE A PROFESSIONAL LAND SURVEYOR LICENSED IN THE STATE OF NEVADA TO REFERENCE, RESET AND RECORD A SURVEY FOR THE PROJECT. THE CONTRACTOR SHALL OBTAIN THE RECORDS FOR 329.140, M65.625.380 AND M65.625.400 AND THE CONTRACT SPECIFICATIONS AND SPECIAL PROVISIONS.
- UTILITY NOTES:**
1. THE MINIMUM COVERAGE FOR ALL WATER LINES SHALL BE 3.0' UNLESS OTHERWISE SPECIFIED ON THE PLANS.
  2. MAINTENANCE SHALL BE THE DRAINAGE AND MATERIAL AS NOTED ON THE PLANS OR SPECIFICATIONS.
  3. NO CONNECTIONS TO EXISTING WATER PIPES SHALL BE MADE UNTIL THE NEW PIPE HAS BEEN INSTALLED AND PRESSURE TESTED.
  4. COORDINATE ALL WORK WITH WASHOE COUNTY AND PROVIDE MINIMUM 48 HOURS NOTICE TO THE COUNTY WHEN THEIR ASSISTANCE AND/OR APPROVAL IS REQUIRED.
  5. VALVE BOXES OUTSIDE OF PAVING SHALL INCLUDE A 24" SQUARE, 6" THICK CONCRETE COLLAR SET TO MATCH SURROUNDING GRADE (INCIDENTAL).
  6. ALL VALVES SHALL BE PROVIDED WITH 2" SQUARE OPERATING NUTS.
  7. ALL EXISTING UTILITIES DEPICTED IN THESE PLANS ARE AN APPROXIMATE LOCATION. THE CONTRACTOR SHALL VERIFY THE MARKS AND SUPPLEMENTED WITH DRAWINGS WHEN PROVIDED BY UTILITIES. THE CONTRACTOR SHALL CALL FOR LOCATES AND PROTECT ALL EXISTING UTILITIES, DIG AND VERIFY EFFORTS ARE INCIDENTAL.
  8. ALL EXISTING UTILITIES THAT CROSS THE PROPOSED UTILITY TRENCHES SHALL BE PROTECTED DURING EXCAVATION UNLESS THE CONTRACTOR IS GRANTED PERMISSION FROM THE CITY OF LAS VEGAS TO REMOVE THE UTILITY TO TEMPORARILY CUT AND REPAIR THE LINE.
  9. FOLLOW ALL ELECTRICAL, REGULATIONS AND GUIDELINES INCLUDING NEC AND NFPA.
  10. NOT ALL MECHANICAL MATERIALS, PIPING, FITTINGS, MISCELLANEOUS EQUIPMENT, INSTRUMENTS AND APPURTENANCES ARE SHOWN. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY RECORDS, RECORDS OF MANUFACTURER'S DETAIL DRAWINGS FOR DIMENSIONS AND INSTALLATION DETAILS.
  11. UNLESS INDICATED OTHERWISE, COMPACTION SHALL BE:
    - a. TRENCH BACKFILL - 90% RELATIVE COMPACTION PER PER ASTM D1557.
    - b. PER ASTM D1557.
    - c. STRUCTURAL BACKFILL - 90% RELATIVE COMPACTION PER PER ASTM D1557.
  13. UNLESS INDICATED OTHERWISE, FREQUENCY OF COMPACTION TESTING SHALL BE:
    - a. TRENCHES - PERFORMED EVERY 100 LINEAR FEET OF TRENCH AND MINIMUM OF 3 TESTS PER UTILITY ALIGNMENT, AND PER 1'-FOOT FILL LIFTS. SUBSEQUENT TESTS AT LOCATIONS WHERE MATERIALS OR UTILITY CROSSINGS.
    - b. STRUCTURES - MINIMUM 3 COMPACTION TESTS PER 1'-FOOT FILL LIFTS. SUBSEQUENT TESTS AT LOCATIONS WHERE MATERIALS OR UTILITY CROSSINGS.
  14. ALL WETTED MATERIALS, INCLUDING RUBBERS, PLASTICS, ADHESIVES, LUBRICANTS, COATINGS, METALS, STANDARD 61.5% MINIMUM RELATIVE COMPACTION PER PER ASTM D1557. PRODUCTS MUST BE STAMPED NO LEAD (NL) OR SUBSTITUTS REQUIREMENTS.

### UTILITY NOTES:

WADSWORTH MITIGATION PROJECT  
WADSWORTH, NEVADA

GENERAL NOTES
















<p align="center"><b>REUSE OF DRAWINGS</b></p> <p>J-U-B SHALL RETAIN ALL COMMON LAW, STATUTORY, COPYRIGHT AND/OR OTHER RESERVED RIGHTS OF THESE DRAWINGS, AND THE SAME SHALL NOT BE REUSED WITHOUT J-U-B'S PRIOR WRITTEN CONSENT. ANY REUSE WITHOUT WRITTEN CONSENT BY J-U-B WILL BE AT CLIENT'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO J-U-B.</p>				
<p align="center"><b>REVISION</b></p>				
J-U-B	RECEIVED	BY	DATE	



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Phone: 775.852.1440  
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## SYMBOL LEGEND

SYMBOL	EXISTING SYMBOL	PROPOSED SYMBOL
<b>SITE</b>		
DESCRIPTION		
BOLLARD		
TREE (DECIDUOUS)		
<b>DOMESTIC WATER</b>		
WATER METER		
WATER VALVE		
WATER VALVE VAULT		
EXPANSION JOINT		
AIR RELEASE VALVE		
<b>ELECTRIC</b>		
POWER POLE		
GUY WIRE		





EXISTING BRIDGE DECK

PROPOSED BRIDGE DECK

DESIGNATOR	SHEET TYPE
0	GENERAL (SYMBOLS, LEGENDS, NOTES, ETC.)
1	PLANS (HORIZONTAL VIEWS)
2	ELEVATIONS, PROFILES, COMBINED PLAN & PROFILES
3	SECTIONS (SECTIONAL VIEWS)
5	DETAILS OR COMBINED DETAILS AND SECTIONS

**NOTE:**  
A DASH MAY BE PLACED IN THE LOWER PORTION OF THE IDENTIFIER IF THE DETAIL DRAWING OR SECTION VIEW IS LOCATED ON THE SAME SHEET.

## SECTION AND DETAIL IDENTIFIERS

LABEL	CALLOUT
 <p>SECTION LETTER</p>	 <p>SECTION LETTER</p>
 <p>DETAIL NUMBER</p>	 <p>DETAIL NUMBER</p>

ABBREVIATIONS		ASSEMBLY
ASSY	>	ANGLE
⊙	AT (MEASUREMENTS)	
BUDG	BUILDING	
BM	BENCH MARK	
BSC	BITUMINOUS SURFACE COURSE	
BSW	BACK OF SIDEWALK	
BW	BOTH WAYS	
C	CHANNEL (STRUCTURAL)	
C/L	CENTER LINE	
CMP	CORRUGATED METAL PIPE	
CO	CLEANOUT	
CONC	CONCRETE	
CONT	CONTINUOUS	
CPUG	COUPLING	
CU FT	CUBIC FEET	
CU YD	CUBIC YARD	
DEG OR °	DEGREE	
DET	DETAL	
DIA OR Ø	DIAMETER	
DIP	DUCTILE IRON PIPE	
DIST	DISTRIBUTION	
DWG	DRAWING	
EACH	EACH	
ELB	ELBOW	
ELEV	ELEVATION	
EW	EACH WAY	
EXIST	EXISTING	
FG	FINISH GRADE	
FH	FIRE HYDRANT	
FLG	FLANGE	
FT OR '	FEET	
GV	GATE VALVE	
HORIZ	HORIZONTAL	
ID	INSIDE DIAMETER	
IN OR -	INCH	
LB OR #	POUND	
LF	LINEAL FEET	
LN	LINEAL	
MAX	MAXIMUM	
MIN	MINIMUM	
NO OR #	NUMBER	
PE	POLYETHYLENE	
PL	PLATE	
PL	PROPERTY LINE	
PROP	PROPOSED	
PVC	POLYVINYL CHLORIDE	
R	RADIUS	
RIP	RADIUS POINT	
R&R	REMOVE & REPLACE	
REM	REMOVE	
REQD	REQUIRED	
SSM	REVISION	
R/W	RIGHT-OF-WAY	
S	SLOPE	
SPEC	SPECIFICATION	
STA	STATION	
STD	STANDARD	
STL	STEEL	
ST STL	STAINLESS STEEL	
TBC	TOP BACK OF CURB	
TP	TYPICAL	
TTC	TOP FACE OF CONCRETE	
W/	WITH	
W/O	WITHOUT	
W/REQD	WHERE REQUIRED	

WADSWORTH MITIGATION PROJECT  
WADSWORTH, NEVADA

## DESIGNATORS AND IDENTIFIERS

#### REUSE OF DRAWINGS

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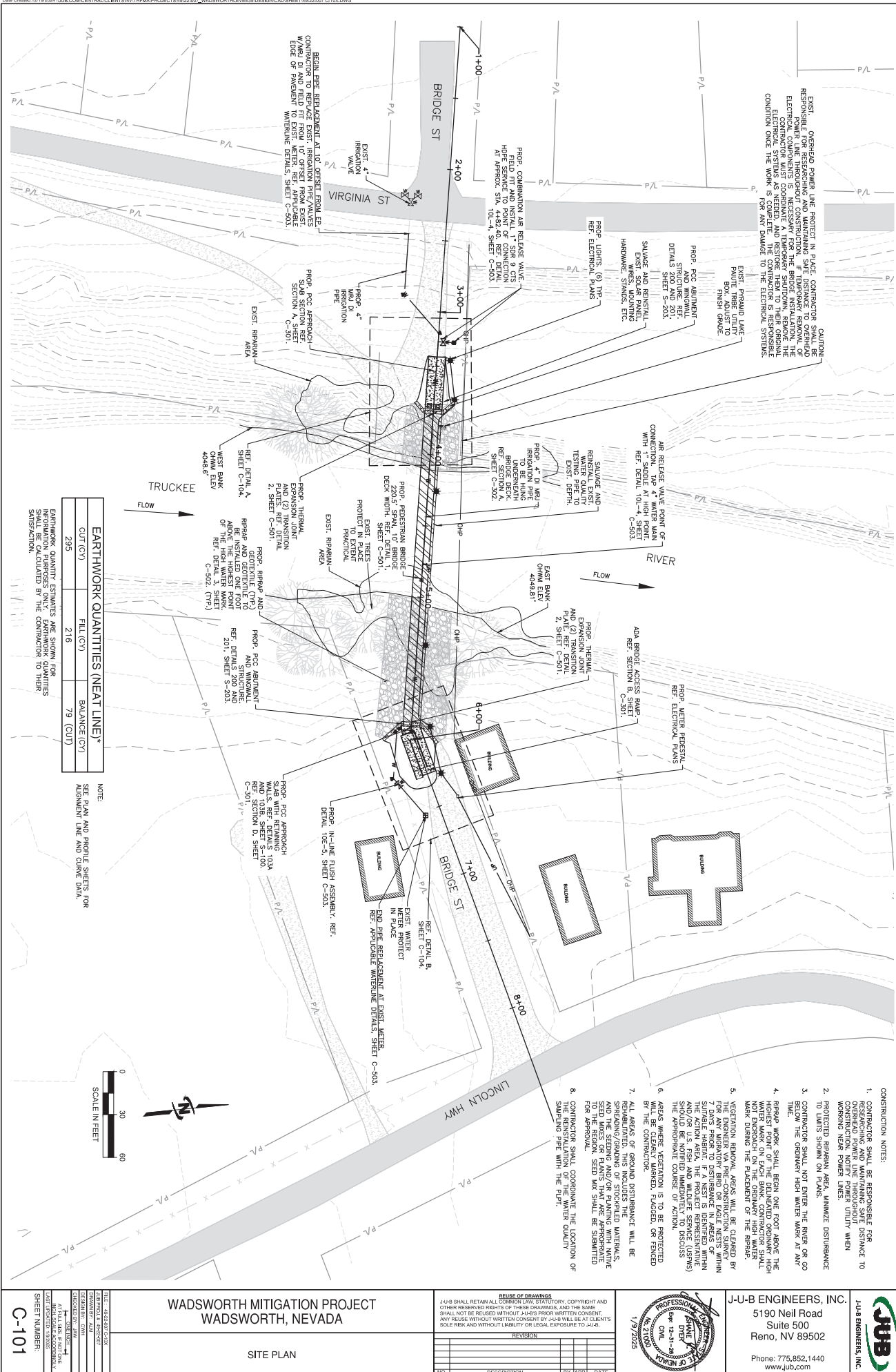
LLD ENGINEERS, INC.

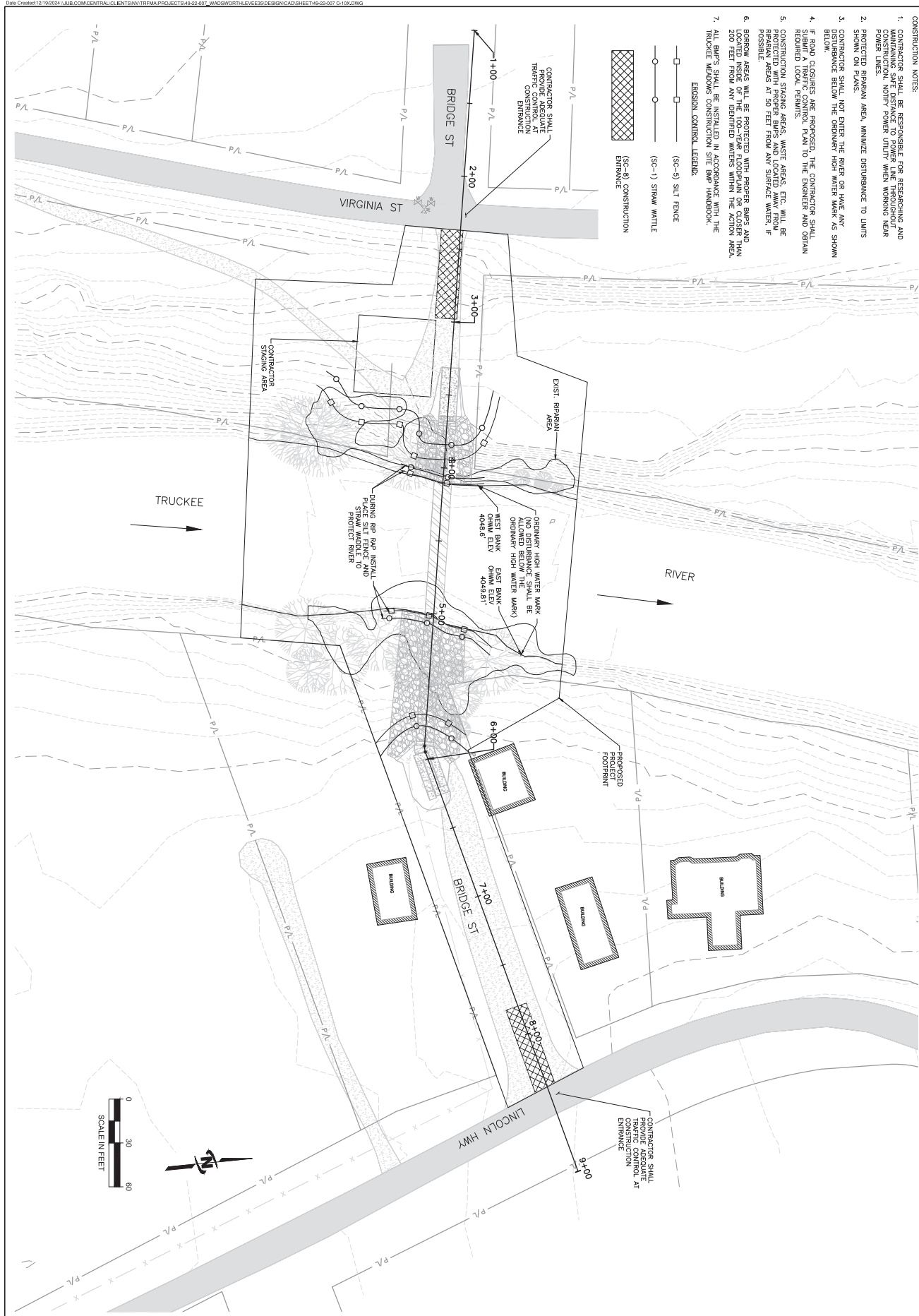
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Suite 500  
Reno, NV 89502

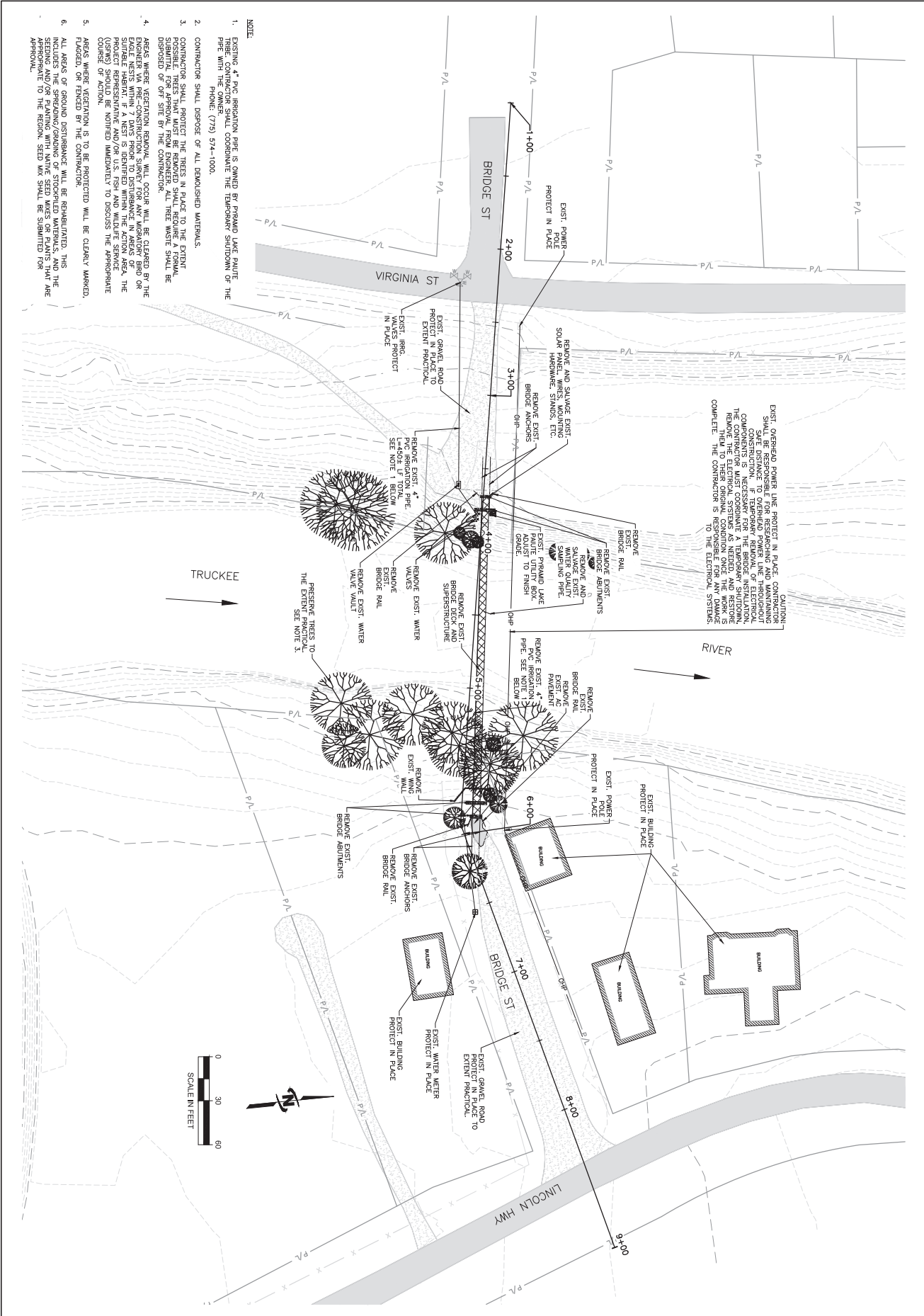
Phone: 775.852.1440  
www.jub.com

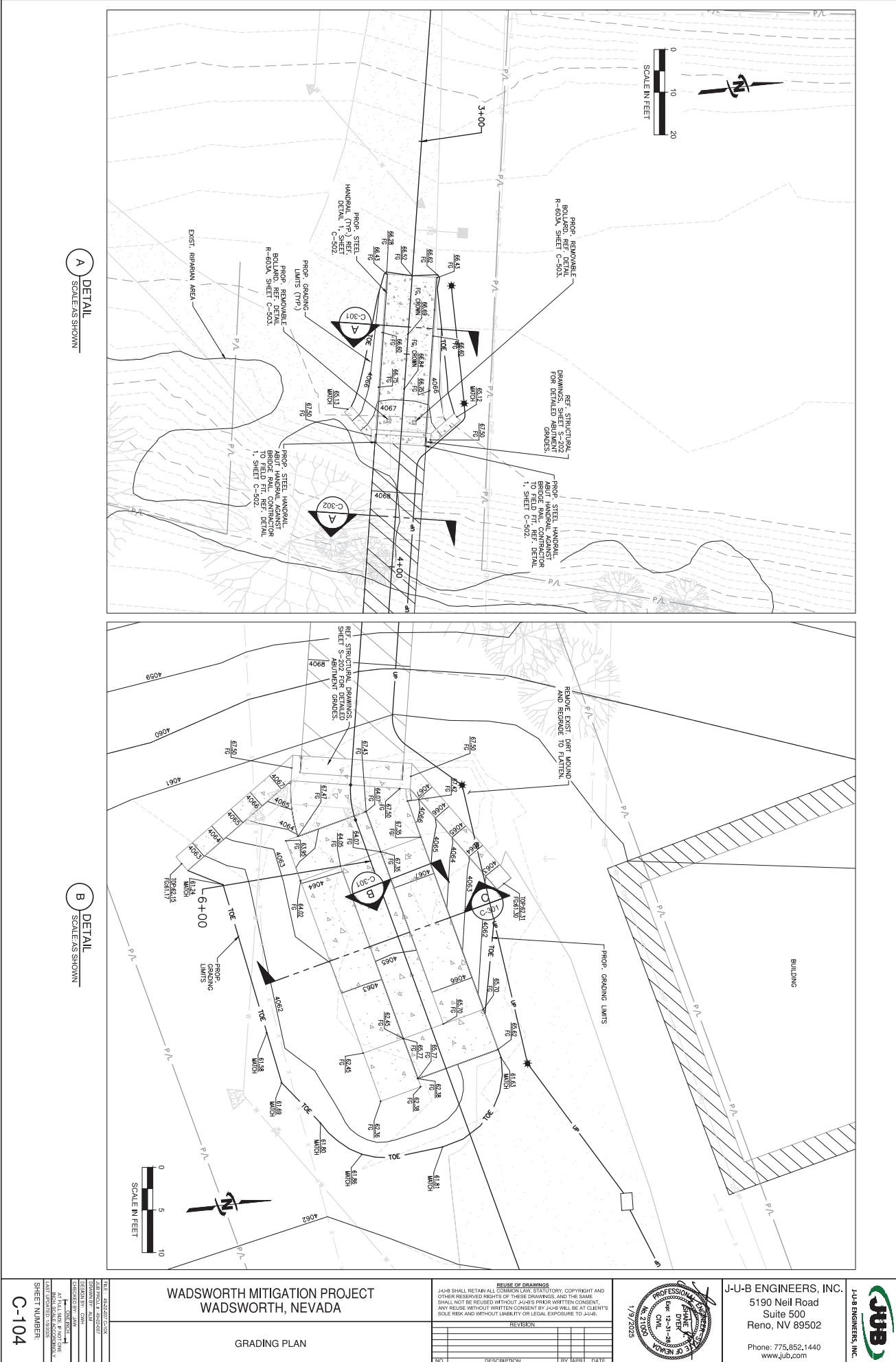


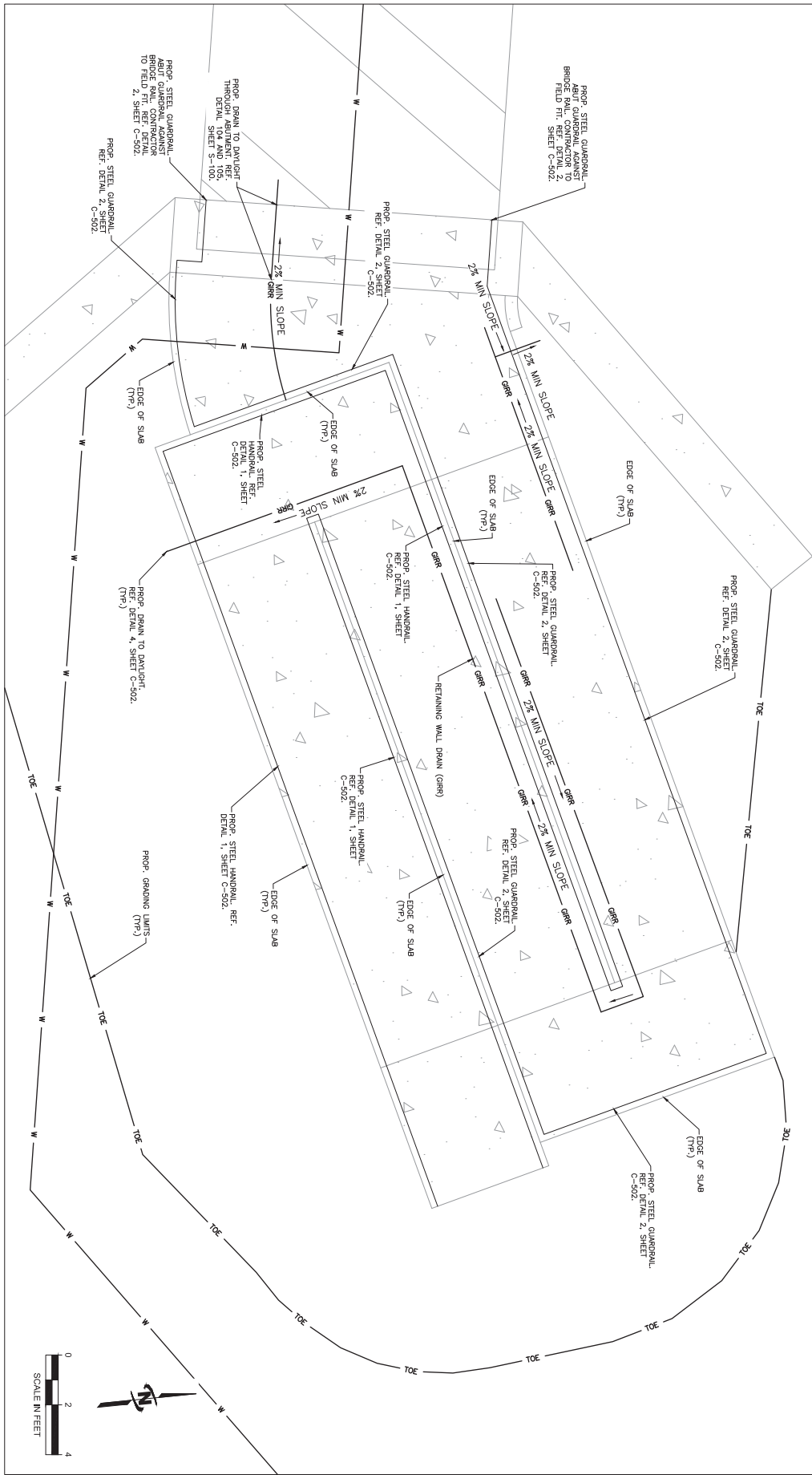


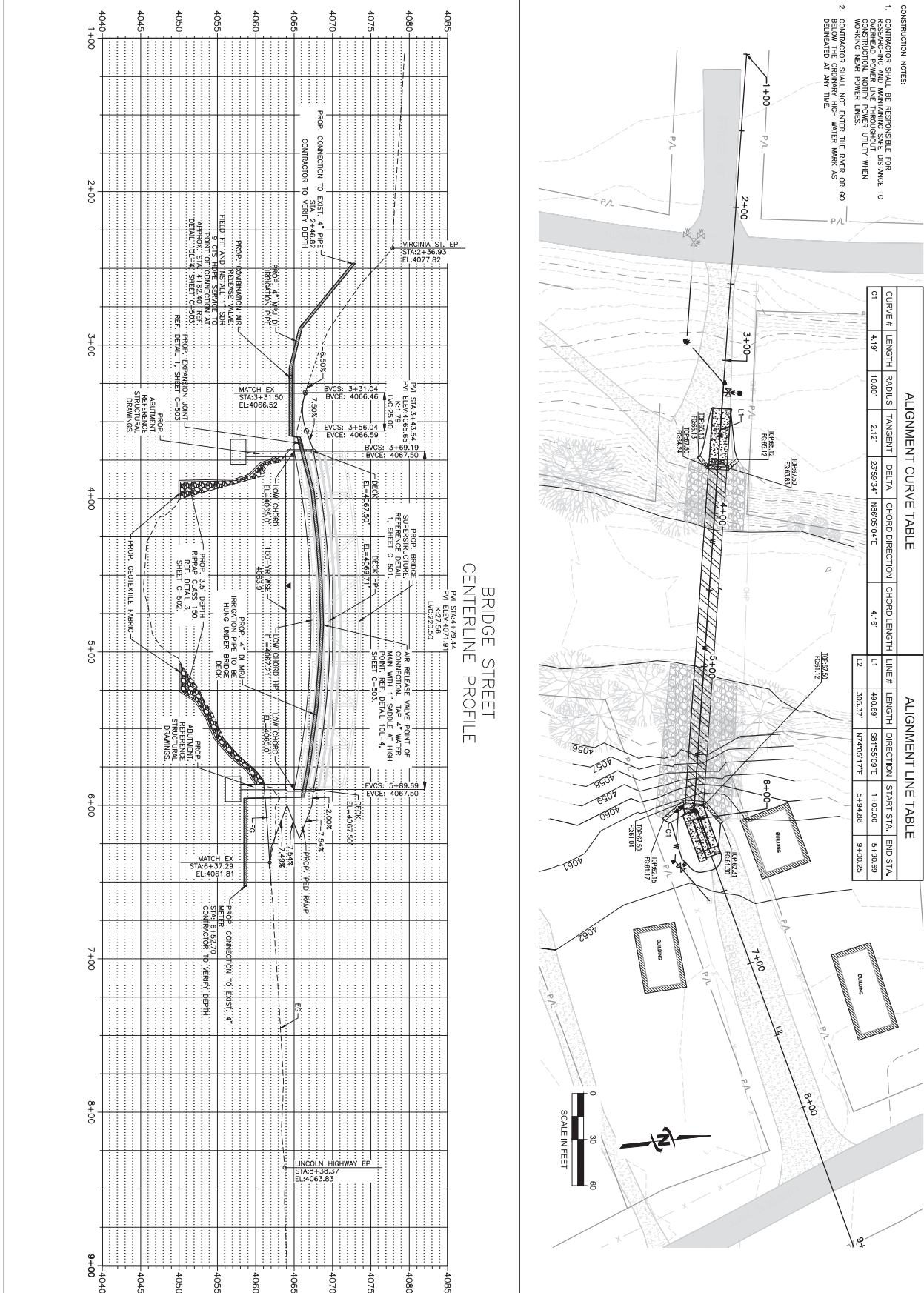












ALIGNMENT CURVE TABLE						ALIGNMENT LINE TABLE			
CURVE #	LENGTH	RADIUS	TANGENT	DELTA	CHORD DIRECTION	CHORD LENGTH	LINE #	START STA.	END STA.
C1	41.9'	10.00'	2.12'	23.99-34°	N66.05-04°E	41.6'	1	406.69'	545.55+0.93'E
C2	51.3'	10.00'	2.12'	23.99-34°	N66.05-04°E	41.6'	2	505.37'	N77+00-17°E
								514.88	540.00-25

CONSTRUCTION NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR RESEARCHING AND MAINTAINING SAFE DISTANCE TO OVERHEAD POWER LINE THROUGHOUT CONSTRUCTION. NOTIFY POWER UTILITY WHEN WORKING NEAR POWER LINES.
2. CONTRACTOR SHALL NOT ENTER THE RIVER OR GO BELOW THE ORDINARY HIGH WATER MARK AS DELINEATED AT ANY TIME.

BRIDGE STREET  
CENTERLINE PROFILE

**REUSE OF DRAWINGS**  
ALL COMMON LAW, STATUTORY, COPYRIGHT AND  
RIGHTS OF THESE DRAWINGS, AND THE SAME  
WITHOUT J-U-B'S PRIOR WRITTEN CONSENT,  
WRITTEN CONSENT BY J-U-B WILL BE AT CLIENT'S  
LITIGATION LIABILITY OR LEGAL EXPOSURE TO J-U-B.

[illegible]

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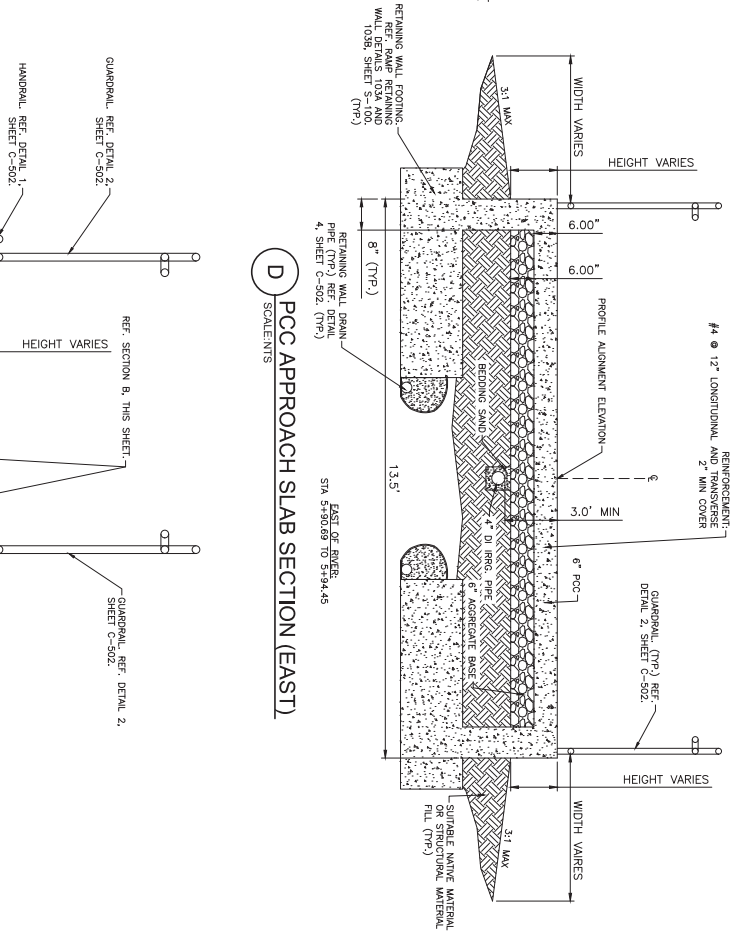


JUB ENGINEERS, INC.

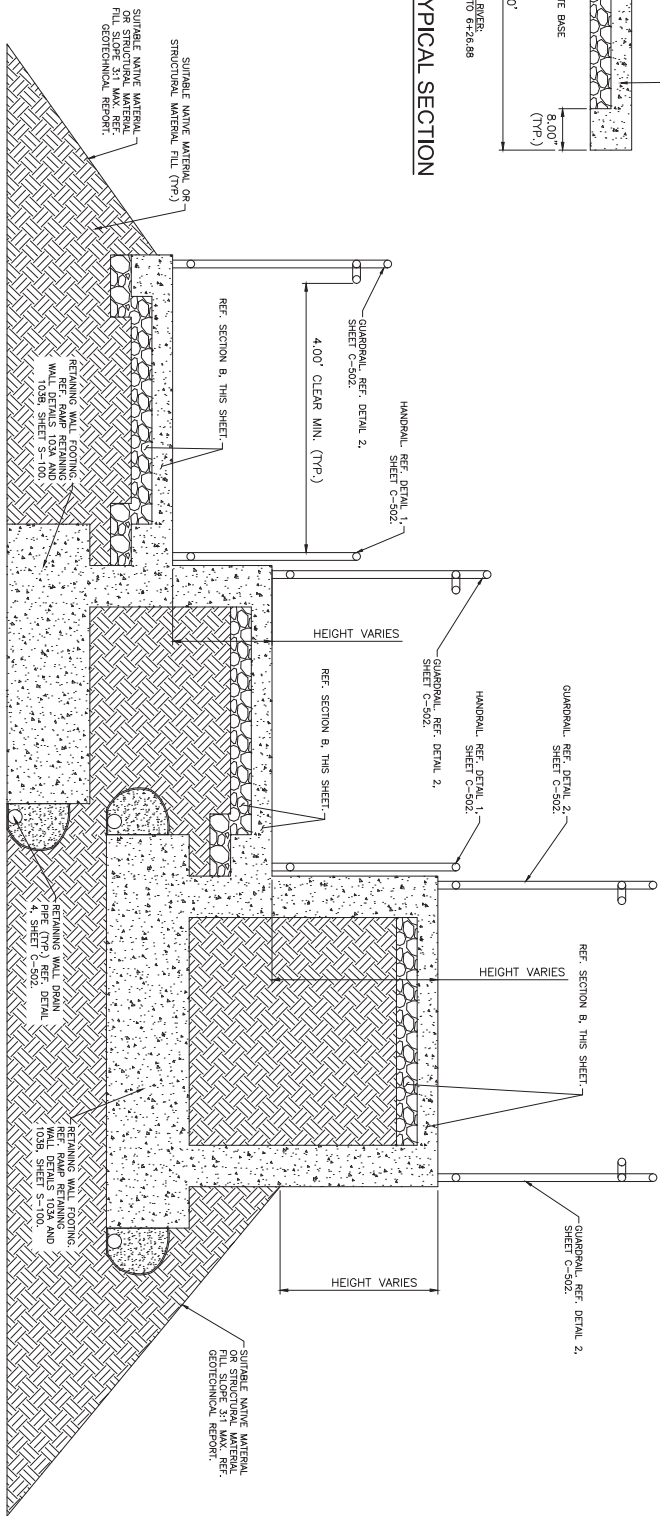
WADSWORTH MITIGATION PROJECT  
WADSWORTH, NEVADA

## PLAN AND PROFILE

FILE: 48-22-007 C-10X  
 JUB PHOL. # 48-22-007  
 DRAWN BY: ALM  
 DESIGN BY: CMH  
 CHECKED BY: JAW  
 AT FULL SIZE IF NOT ON  
 INCH SCALE ACCORDING  
 LAST UPDATED 1/8/2005  
 SHEET NUMBER:  
**C-201**



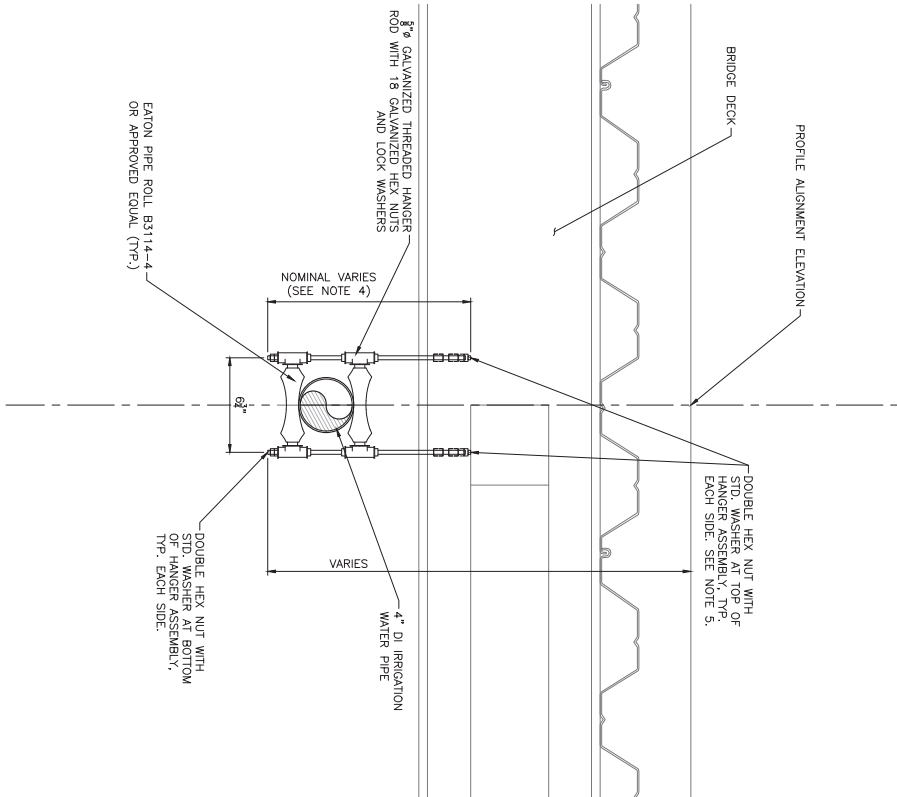
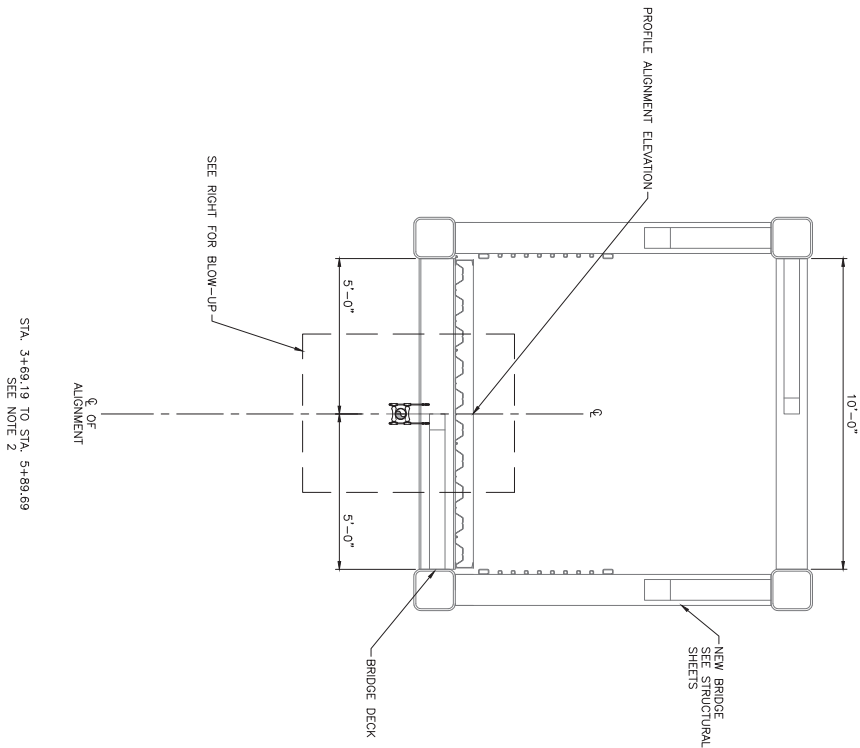
**D** PCC APPROACH SLAB SECTION (EAST)  
SCALE:NTS



**B** ADA RAMP TYPICAL SECTION  
SCALE: NTS

# ADA RAMP SECTION

- NOTE:**
1. PIPE HANGERS INSTALLED AT FLOOR BEAM LOCATIONS ONLY. SEE SHEET C-201.
  2. ADJUST PIPE ROLLERS TO ACHIEVE WATERLINE SLOPE AS SHOWN ON SHEET C-201.
  3. ALL PIPE HANGER HARDWARE SHALL BE HOT DIPPED GALVANIZED.
  4. INSTALLED ROD LENGTH MAY BE LONGER THAN THE NOMINAL LENGTH SHOWN IN DETAIL AND SHALL ALLOW FOR FIELD FIT ADJUSTMENTS. EACH THREADED ROD SHALL BE CONTINUOUS.
  5. IN DETAIL, DOUBLE END NUTS, SINGLE HEX NUT WITH STD. WASHER AND JACK WELDING HEX NUT TO THREADED ROD IS ACCEPTABLE.

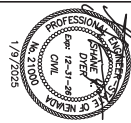


**A** BRIDGE UTILITY SECTION  
SCALE(S)

WADSWORTH MITIGATION PROJECT  
WADSWORTH, NEVADA

BRIDGE SUPERSTRUCTURE SECTION

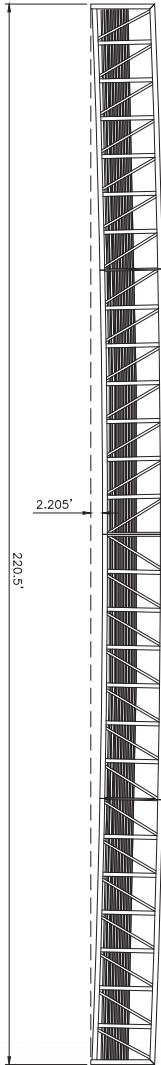
REUSE OF DRAWINGS			
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REVISION			
NO.	DESCRIPTION	BY	DATE



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FILE: 46-22-007-C-30X
PROJECT: WADSWORTH MITIGATION PROJECT
DRAWN BY: DMG
CHECKED BY: DMG
DESIGNED BY: DMG
DATE: 3/6/2024
SCALE: 1/8" = 1'-0"
AT FULL SIZE, IF NOT INDICATED, REPRODUCED AS SHOWN
SHEET NUMBER: C-302

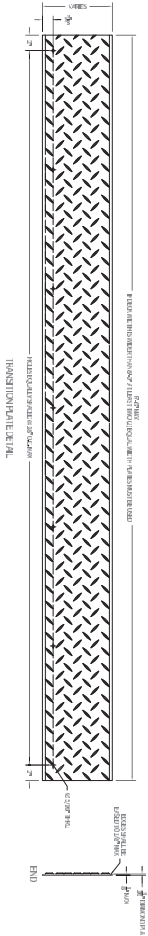


ELEVATION VIEW

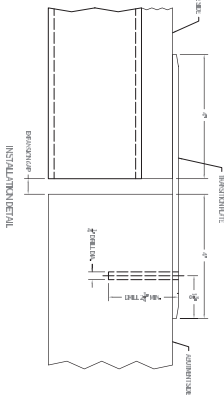
- GENERAL NOTES:
1. CONTRACTOR SHALL PROCURE PREFABRICATED BRIDGE METING OR EXCEEDING THE SPECIFICATIONS IN THE CONTRACT DOCUMENTS.
  2. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR THE PREFABRICATED BRIDGE STAMPED BY A PROFESSIONAL ENGINEER IN THE STATE OF NEVADA.
  3. CONTRACTOR SHALL COORDINATE THE DESIGN FROM THE MANUFACTURER WITH THE DESIGN PROPOSED HEREIN, MANUFACTURER CONNECTIONS OR DIVARIATIONS REQUIRED FOR FITMENT, ETC. SHALL BE COORDINATED WITH THE ENGINEER PRIOR TO CONSTRUCTION OF THE ABUTMENTS.
  4. FACTORY APPLIED PAINT COLORS, AND OTHER AVAILABLE FINISHES FOR THE BRIDGE SHALL BE PRESENTED TO OWNER FOR SELECTION.

1  
SCALE: N.T.S.

PREFABRICATED BRIDGE SUPERSTRUCTURE



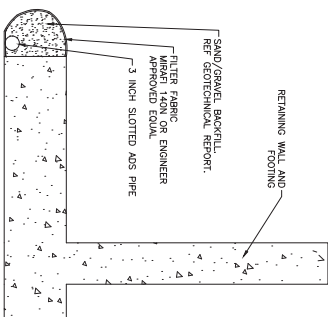
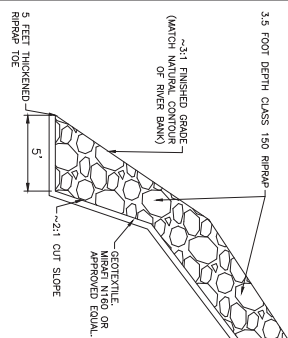
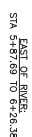
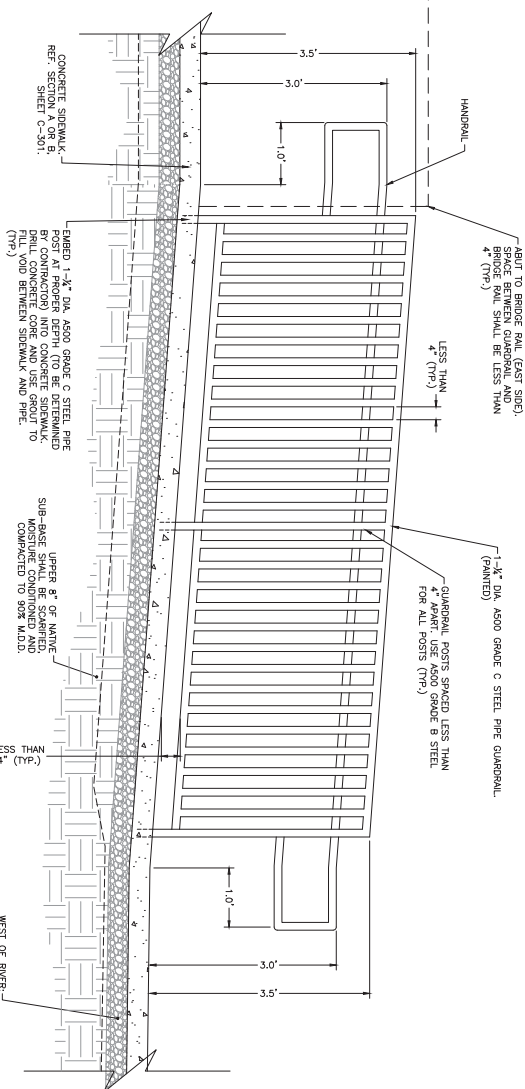
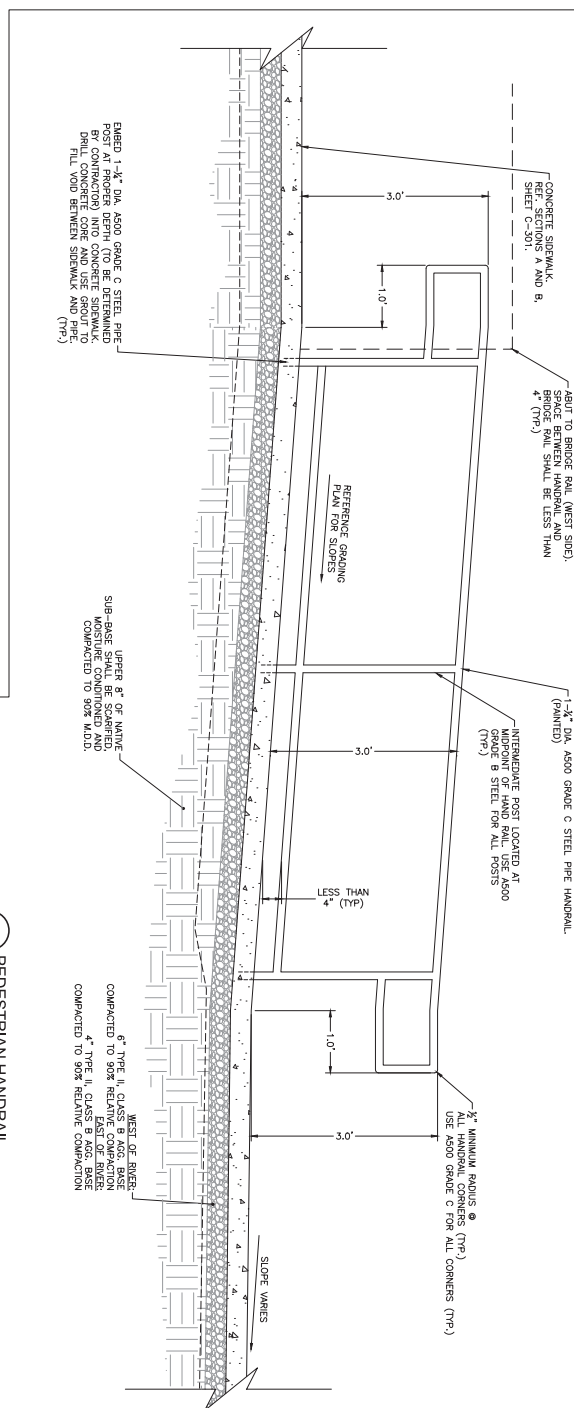
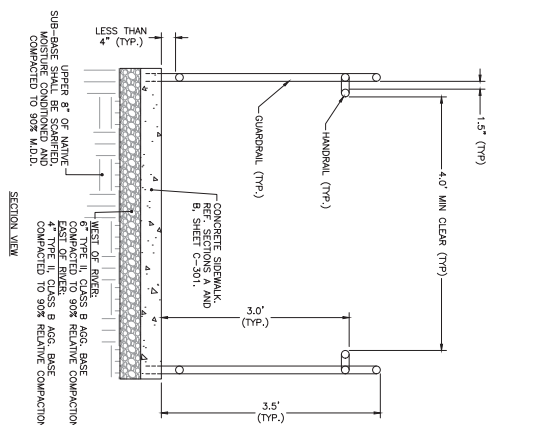
END VIEW



- GENERAL NOTE:
1. THERMAL EXPANSION JOINT OR MANUFACTURER SOLUTION SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW.

2  
SCALE: N.T.S.

THERMAL EXPANSION JOINT AND TRANSITION PLATE

WADSWORTH MITIGATION PROJECT  
WADSWORTH, NEVADA

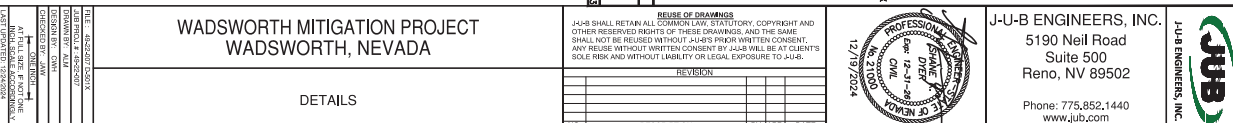
## DETAILS

REUSE OF DRAWINGS				
<p>J-4-B SHALL RETAIN ALL COMMON LAW, STATUTORY, COPYRIGHT AND OTHER RESERVED RIGHTS OF THESE DRAWINGS, AND THE SAME SHALL NOT BE REUSED WITHOUT J-4-B'S PRIOR WRITTEN CONSENT, ANY REUSE WITHOUT WRITTEN CONSENT BY J-4-B WILL BE AT CLIENT'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO J-4-B.</p>				
REVISION				
NO	DESCRIPTION	BY	APP	DATE

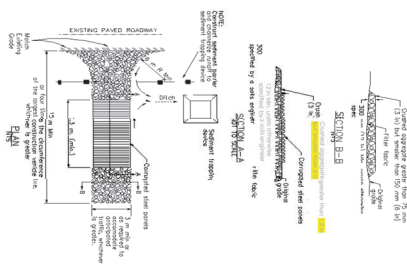


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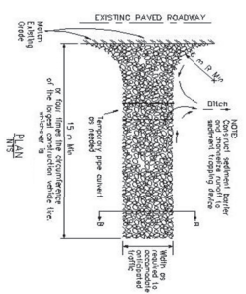






Page 9-29

- All temporary roadway ditches shall be kept clear of sediment and debris and graded to prevent ponding.
- Fence must be installed at edges of BMP to prevent trucks driving around the BMP, and kept in close proximity to BMP at all times.



Truckee Meadows Regional Storm Water Quality Management Program  
Construction Site Best Management Practices Handbook, February 2015 Update  
Section 9 – Sediment Control BMPs

## DETAILS

REUSE OF DRAWINGS				
<p>J4-B SHALL RETAIN ALL COMMON LAW, STATUTORY, COPYRIGHT AND OTHER RESERVED RIGHTS OF THESE DRAWINGS, AND THE SAME SHALL NOT BE REUSED WITHOUT J4-B'S PRIOR WRITTEN CONSENT. ANY REUSE WITHOUT WRITTEN CONSENT BY J4-B WILL BE AT CLIENT'S SOLE RISK AND WITHOUT LIABILITY OR LEGAL EXPOSURE TO J4-B.</p>				
REVISION				
NO	DESCRIPTION	BY	APR	DATE



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## STATEMENT OF SPECIAL INSPECTIONS

This Statement of Special Inspections implements the requirements of 2018 International Building Code (IBC) 104.3 and 1705. The Contractor is responsible for compliance with the requirements of IBC 1704.9.

The following items shall be inspected in accordance with the Section 1705 by a certified special inspector from an established inspection and testing agency engaged by the Owner. Specific inspection and testing requirements for various classes of materials are given in following sections. Refer to the project Specifications and the Structural Notes for additional requirements. The inspection agency shall provide copies of all inspection reports directly to the Architect and the Structural Engineer and, if directed, to the building department having jurisdiction. Any construction that fails to comply with the approved construction documents shall be immediately brought to the attention of the Architect.

ITEM	REMARKS
1.1. Inspection of Asphalators	<p>IC 105.4, 5 - [Not required for a replacement of asphalters. The approval of the building department having jurisdiction at the completion of the work shall be provided by the contractor.]</p> <p>IC 105.2 - See below</p> <p>IC 105.3 - See below</p> <p>IC 105.6 - See below and Geotechnical Reports</p> <p>IC 105.10</p>
1.2. Steel Construction	
1.3. Concrete Construction	
1.4. Soils	
1.5. Fabricated Items.	

## 2. Required Verification and Inspection of Steel Construction [IBC 1705.2, IBC 1705.12.1]

ITEM	CONTROLS/ CRITERIA	REFERENCE/REMARKS
2.1. Material verification of high-strength bolts, nuts and washers	Periodic	
a. Identification markings to conform to specification documents	Periodic	AISC 360-16 4.3.2 and applicable steel material documents
b. Manufacturer's certificate of compliance required	Periodic	
2.2. Inspection of high-strength bolting		
a. Single-bolt joints	Periodic	AISC 360-16 9.5.4 and AISC 343-16 7.7
b. Prestresser and slip-critical joints using turn-of-nut with accompanying, installation and inspection, installation methods of installation	Periodic	AISC 360-16 W-5
c. Prestresser and slip-critical joints without accompanying, or calibrated second method of installation	Continuous	AISC 360-16 W-5
2.3. Material verification of structural steel		
a. For structural steel, identification markings conforming to AISC 360	Periodic	AISC 360-16 4.3.1
b. For plate steel, identification markings conforming to AISC 360 and AISC 360-16 4.3.2 and applicable steel material documents	Periodic	Applicable ASTM material
c. Manufacturer's certified test reports	Periodic	
2.4. Material verification of weld filler material	Periodic	
a. Identification markings conform to AWS specification in the approved construction documents	Periodic	AISC 360-16 4.3.2 and applicable AWS documents
b. Manufacturer's certificate of compliance required	Periodic	
2.5. Inspection of welding		
a. Structural steel and cold-formed steel		AISC 360-16 9.5.4 and AISC 343-16 8.2.1

### 3. Required Verification and Inspection of Concrete Construction [IBC 1705.3]

ITEM	CONSTRUCTION/REPAIRING	REFERENCE SPECIFICATIONS
3.1. Inspection of reinforcement steel, including prestressing tendons and placement	Periodic	ACI 318-14, 20.2, 20.6, 25.3-25.6
3.2. Inspection of reinforcement steel welding	Periodic	ACI 318-14, 25.6.4 See Detail section, above
3.3. Inspection of anchors cast in concrete	Periodic	ACI 318-14, 18.6, 26.7
3.4. Inspection of anchors post-installed in hardened concrete members, including adhesive and grouted repair devices	Periodic	ACI 318-14, 26.7
3.5. Verify use of required mix design	Periodic	ACI 318-14, 19, 26.4
3.6. Sample fresh concrete and Air-Tested specimens for compressive strength testing	Continuous	Each day and every 100 cubic yards. Cast (4) cylinders from fresh concrete. Test 2 cylinders at 28 days; hold 2 cylinders for testing at 7 days.
a. Compressive strength (f'c) testing	Periodic	ASTM C39/C39M CMAA specimens for testing at 28 days
b. At the time fresh concrete is placed to perform slump and air content tests, and to determine the water-cement ratio for concrete	Continuous	ACI 318-14, 26.12
3.7. Inspection of concrete placement for proper application techniques	Continuous	IBC 1906, ACI 318-14, 26.5
3.8. Inspection for encumbrance of specified curing	Periodic	ACI 318-14, 26.5
3.9. Inspection for air traps, voids and displacement for shape, location and density of the concrete member being formed.	Periodic	ACI 318-14, 26.11.1, 2
4. Required Verification and Inspection of Soils (IBC 1905.4)		
ITEM	CONSTRUCTION/REPAIRING	REFERENCE SPECIFICATIONS

### 5. Delegated-Design (Deferred-Substitution): Premanufactured Pedestrian Bridges

The following items are indicated on the L110 or Structural Drawings to convey the design intent only and are not to be construed as a contract document. The Contractor shall be responsible for the design and construction of the building. The Contractor is responsible for all additional costs due to such drawings. Final sizes and details shall be determined by the contractor, whose bid shall be based upon such final sizes and details.

The contractor shall submit shop drawings and detail calculations for review. A Professional Engineer shall review and approve the shop drawings and detail calculations. The contractor shall submit the shop drawings and detail calculations for review and approval by the Architect and Structural Engineer. The contractor shall be responsible for the building operation and maintenance. The contractor shall be responsible for the building operation and maintenance. The contractor shall be responsible for the building operation and maintenance.

END OF STATEMENT OF SPECIAL INSTRUCTIONS

END OF STATEMENT OF SPECIAL INSPECTIONS

FILE: 229923NOTES  
JUB PROJ. #: 49-22-C07  
DRAWN BY: JPA  
DESIGN BY: JFS  
CHECKED BY: JFS  
  
AT FULL SIZE, IF NOT ONE  
INCH SCALE ACCORDINGLY  
LAST UPDATED: 12/20/2024

WADSWORTH MITIGATION PROJECT  
WADSWORTH, NEVADA

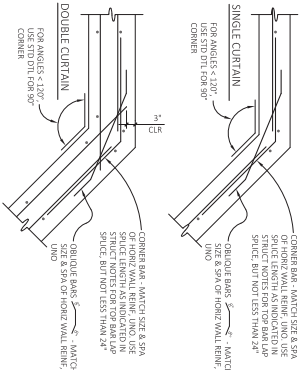
STATEMENT OF SPECIAL INSPECTIONS

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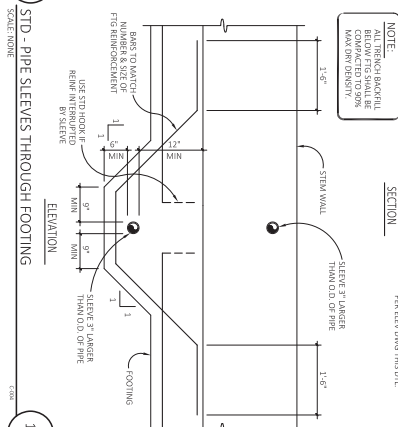
**J-U-B ENGINEERS, INC.**  
5190 Neil Road  
Suite 500  
Reno, NV 89502  
Phone: 775.852.1440  
[www.jub.com](http://www.jub.com)



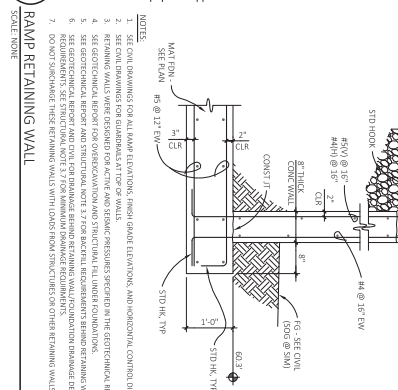
STD - OBLIQUE CORNER REINFORCEMENT  
SCALE: NONE



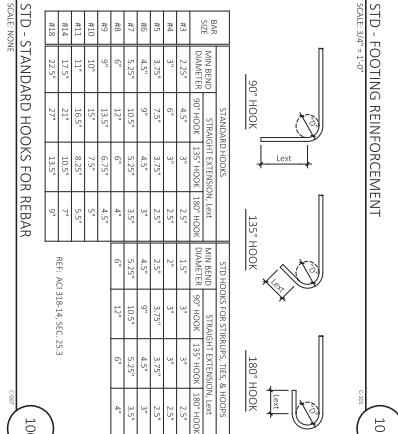
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104

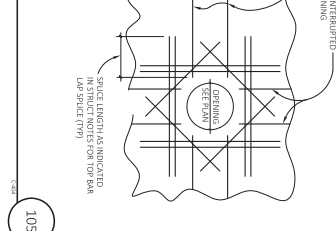


1034



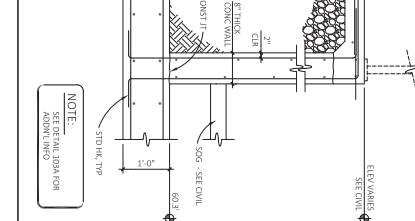
10

STD - OPENING IN CONC WALL



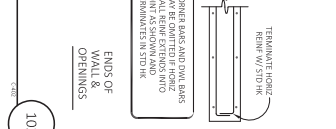
(

SCALE: NONE



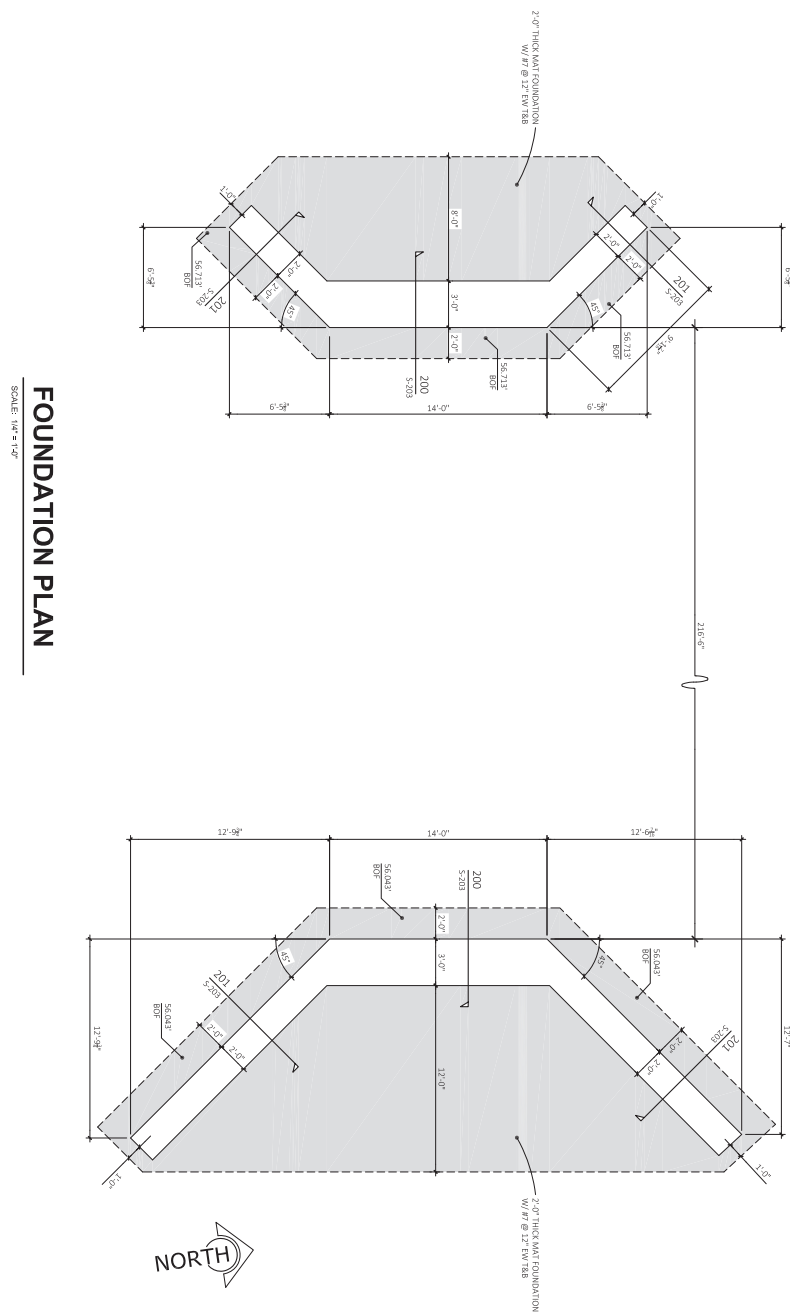
1030

STD - DOUBLE CURTAIN CAST-IN-PLACE WALL



(

BAR SIZE	STANDARD HOONS		STD HOONS FOR STRUTS, TIES, & HOONS	
	STRAIGHT EXTENSION, 1st	1st	STRAIGHT EXTENSION, 1st	1st
MIN BEND DIAMETER	90° HOOK	135° HOOK	90° HOOK	135° HOOK
#3	2.25"	3"	2.5"	3"
#4	3"	3"	2.5"	3"
#5	3.75"	3.75"	2.5"	3.75"
#6	4.5"	4.5"	3"	4.5"



## FOUNDATION PLAN

SCALE: 1/4" = 1'-0"



**SHIELDS ENGINEERING, INC.**  
Structural Engineers  
**SEI**  
9585 Protomype Ct., Suite A  
Reno, Nevada 89521  
775-839-9277  
775-839-9339 (fax)  
[www.shieldsengineering.com](http://www.shieldsengineering.com)



JUB ENGINEERS, INC.

**J-U-B ENGINEERS, INC.**  
5190 Neil Road  
Suite 500  
Reno, NV 89502  
  
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[www.jub.com](http://www.jub.com)

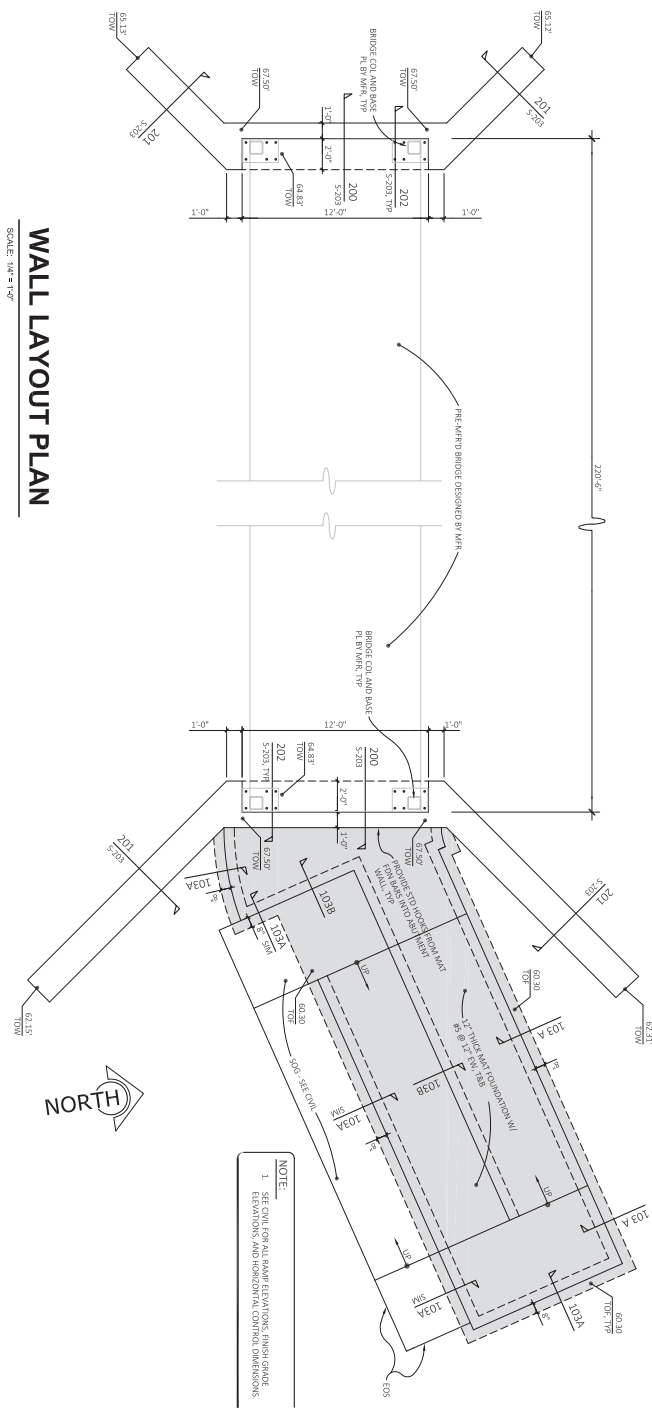
WADSWORTH MITIGATION PROJECT  
WADSWORTH, NEVADA

## FOUNDATION PLAN

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[illegible]

: 20994/USD/06 LAYOUT  
 PROJ. #: 46-22-007  
 DRAWN BY: JPA  
 CHECKED BY: JFS  
 DATE: 12/20/2004  
 SHEET NUMBER: S-201



# WALL LAYOUT PLAN

SCALE: 1/4" = 1'-0"

**NOTE:**

1. SEE CIVIL FOR ALL RAMP ELEVATIONS, FINISH GRADE ELEVATIONS, AND HORIZONTAL CONTROL DIMENSIONS.

**SHIELDS ENGINEERING, INC.**  
Structural Engineers  
9685 Prototype Ct., Suite A  
Reno, Nevada 89521  
775-826-9277  
775-826-9339 (fax)  
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WADSWORTH MITIGATION PROJECT  
WADSWORTH, NEVADA

WALL LAYOUT PLAN

S-202

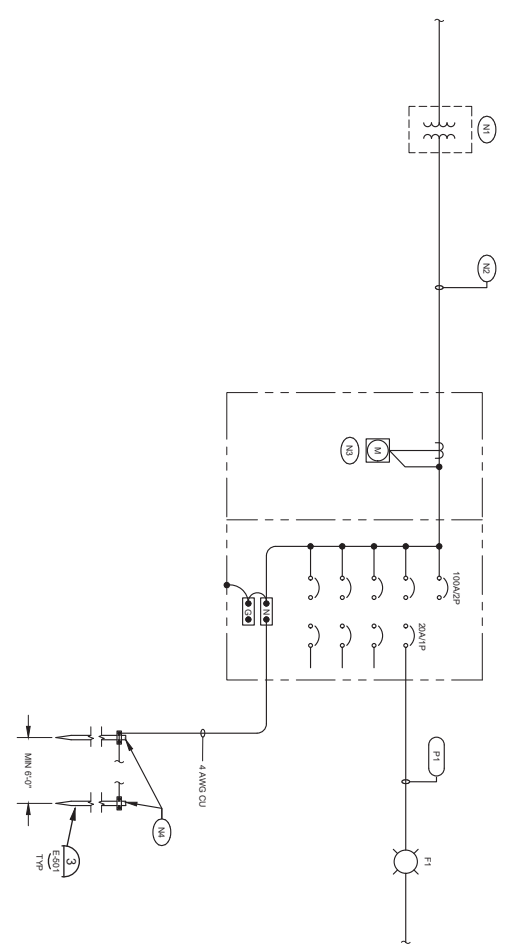
FILE: 220923-BRDGCE LAYOUT  
JARI PROJ. # 44-22-007  
DRAWN BY: JPA  
DESIGN BY: JPS  
CHECKED BY: JPS  
ONE INCH  
AT FULL SIZE IF NOT ONE  
INCH, SCALE ACCORDINGLY  
LAST UPDATED: 12/20/2024  
SHEET NUMBER:

[illegible]





1 ONE-LINE DIAGRAM  
SCALE: NONE



- NOTES: (for this sheet)
- (N1) UTILITY POLE MOUNTED TRANSFORMER
  - (N2) UTILITY FEED, PROVIDE RISER FOR UTILITY POLE PER UTILITY REQUIREMENTS, PROVIDE CONDUIT TRENCHING AND SHIELD PER UTILITY REQUIREMENTS
  - (N3) PROVIDE METER BASE PER UTILITY REQUIREMENTS
  - (N4) GROUND WELL WITH GROUND ROD



1 SITE LIGHTING CALCULATION  
SCALE NONE



FILE #	W-102-001-E-102
PROJECT #	W-102-001
DATE	12/17/2024
DESIGNED BY	JAN
DRAWN BY	TLS
CHECKED BY	JAN
IN CHARGE	TLS
AT FULL SCALE	NOTHING
DATE	12/17/2024

SHEET NUMBER  
E-102

WADSWORTH MITIGATION PROJECT  
WADSWORTH, NEVADA

SITE LIGHTING CALCULATION

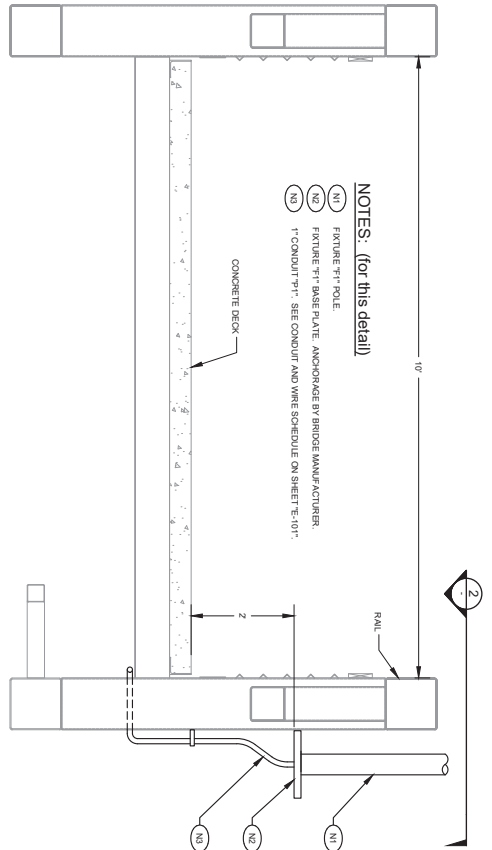
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REVISION			
NO.	DESCRIPTION	BY	DATE



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5190 Neil Road  
Suite 500  
Reno, NV 89502  
Phone: 775.852.1440  
www.jub.com



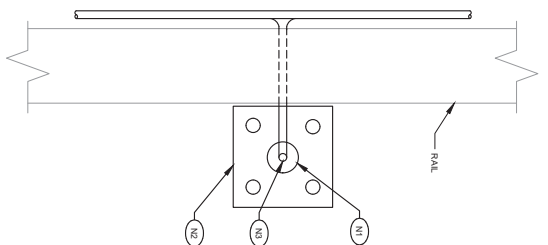
1  
E-101  
BRIDGE END VIEW  
SCALE: NONE



NOTES: (for this detail)

- N1 9x9 POLE
- N2 9x9 BASE PLATE - ANCHORAGE BY BRIDGE MANUFACTURER
- N3 9x9 CONDUIT 9x9 - SEE CONDUIT AND WIRE SCHEDULE ON SHEET E-101

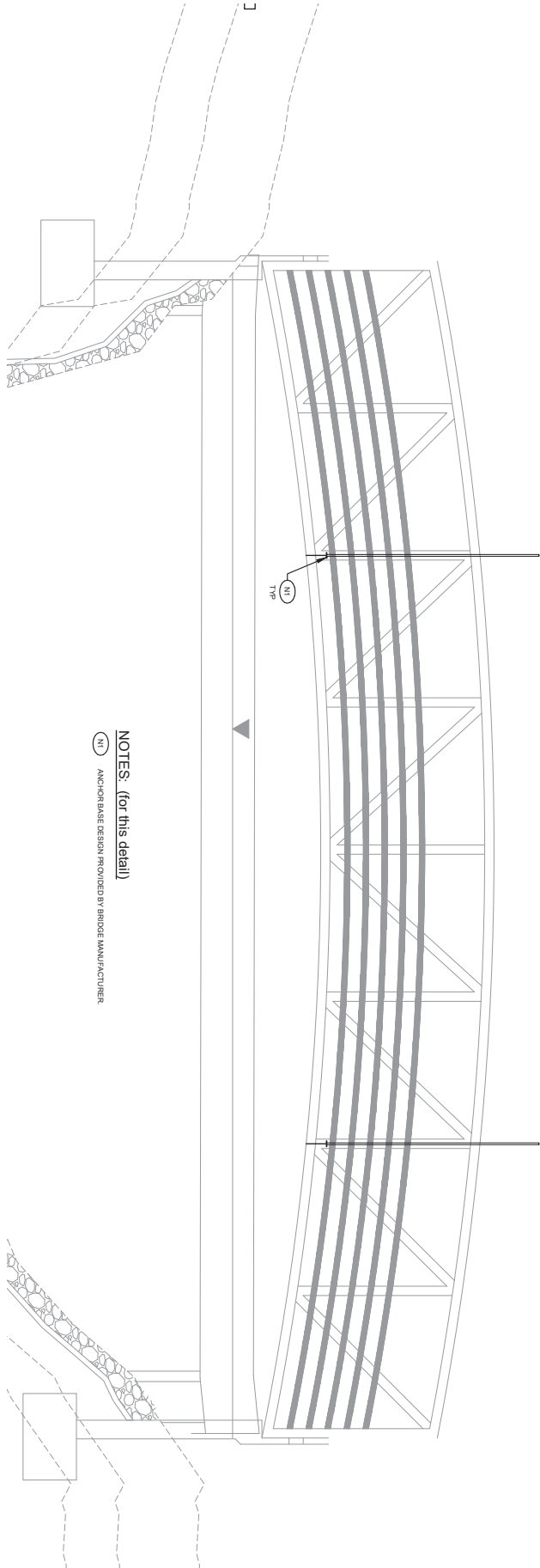
2  
PARTIAL BRIDGE RAIL PLAN VIEW  
SCALE: NONE



NOTES: (for this detail)

- N1 9x9 POLE
- N2 9x9 BASE PLATE - ANCHORAGE BY BRIDGE MANUFACTURER
- N3 9x9 CONDUIT 9x9 - SEE CONDUIT AND WIRE SCHEDULE ON SHEET E-101

3  
E-101  
BRIDGE SECTION DETAIL  
SCALE: 1"=10'



NOTES: (for this detail)

- N1 ANCHOR BASE DESIGN PROVIDED BY BRIDGE MANUFACTURER



