



City of Bishop, California

Bidding Information

and

Contract Documents

for

City Park Pool Waterslide Structural Repairs

in the

City of Bishop, County of Inyo, California

1 March 2018

Approved:

FOR

Jim Tatum

Director of Community Services

Notice To Bidders

Sealed proposals will be received at the City of Bishop Public Works office, City Hall, 377 West Line Street, Bishop, California, 93514 until nine o'clock (3:00) in the afternoon on 19 March 2018, for furnishing all labor, materials, tools, implements and machinery to do and complete all work in a manner satisfactory to the City Engineer, for the following project:

City Park Pool Waterslide Structural Repairs

Together with such other incidental items as are necessary to complete the work in the manner and time prescribed and in strict conformity with the contract documents.

At 3:01 in the afternoon on the above date, said proposals will be publicly opened and read aloud.

All proposals shall be made using the forms furnished by the City and shall be enclosed and sealed in an envelope which is addressed to the City Council, Bishop, California, and is clearly labeled:

Bid for City Park Pool Waterslide Structural Repairs

Bid books including plans, specifications, bid forms to be used for bidding on this project and other contract documents can be obtained at the City of Bishop City Hall, 377 West Line Street, Bishop, California, 93514, 760-873-8458, and publicworks@cityofbishop.com. Only bids referencing all addendums issued for the project shall be considered. To receive addendums and other information issued on the project during the advertisement period, provide your contact information to the Bishop Public Works in City Hall at the above addresses and number at least two working days prior to bid opening.

This project is located in the western portion of the Bishop City Park, 680 North Main Street. The project includes furnishing of all labor, implements, tools, machinery, materials and all other work required to complete the project.

Bidders are invited to attend a bidders conference at project site on 8 March 2018 at 10 am to learn more about the project.

The estimated range for the construction cost of the project is from \$30,000 to \$50,000, depending on construction option.

This project is funded with city funds. As a result, contracting preferences apply to this project.

Technical questions should be directed to the Director of Public Works, City of Bishop, 377 West Line Street, Bishop, California, 93514, 760-873-8458, publicworks@cityofbishop.com.

The successful bidder shall furnish all items required in the contract documents.

All proposals shall include prices for all items of work for all construction options contained in the contract documents. The City intends to award the contract to the bidder with the lowest responsive

bid for the most extensive construction option the City is able to fund from the allotment available for this project. Responsive bid proposals shall include:

1. Completed Bid Form
2. Bid Bond or other security
3. Completed Non-collusion Declaration form
4. Completed Contractor's Certificate Regarding Worker's Compensation form
5. Completed Proposed Equipment and Material Manufacturers form
6. Completed Proposed Subcontractors form
7. Completed Contractor Licenses form
8. If a local business preference is claimed, completed City of Bishop Local Business Verification form

The City of Bishop hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, or national origin in consideration for an award.

The contract is subject to state contract nondiscrimination and compliance requirements pursuant to Government Code, Section 12990.

Pursuant to Section 1773 of the Labor Code, the general prevailing wage rates in the county, or counties, in which the work is to be done have been determined by the Director of the California Department of Industrial Relations. These wages are set forth in the General Prevailing Wage Rates for this project, available at City of Bishop and available from the California Department of Industrial Relations' Internet web site at <http://www.dir.ca.gov/DLSR/PWD>. Future effective general prevailing wage rates, which have been predetermined and are on file with the California Department of Industrial Relations are referenced but not printed in the general prevailing wage rates.

The Contractor shall procure all required permits and licenses, pay all charges, fees and taxes, and give all notices necessary and incidental to the due and lawful prosecution of the work.

The City Council of the City of Bishop, California, reserves the right to reject any and all proposals and to waive any formalities in the proposal.

Bid Form

Proposal to City of Bishop for the construction of

City Park Pool Waterslide Structural Repairs

Bidder Information:

Name: _____

Address: _____

Phone: _____

Email: _____

To the Bishop City Council:

Pursuant to and in compliance with your Notice to Bidders inviting sealed proposals (bids) and the other documents relating thereto, the undersigned bidder, being fully familiar with the terms of the contract documents, local conditions affecting the performance of the contract, the character, quality, quantities, and scope of work, and the cost of the work at the place where the work is to be done, hereby proposes and agrees to perform within the time stipulated in the contract, including all of its component parts and everything required to be performed, and to furnish any and all of the labor, material, tools, equipment, transportation, services, permits, utilities, and all other items necessary to perform the contract and complete in a workman like manner, all of the work required in connection with the construction of said work all in strict conformity with the plans and specifications and other contract documents, including Addenda _____, _____, _____, and _____, for the prices hereinafter set forth.

The bidder, under penalty of perjury, certifies that, except as noted on an attached page, he/she or any other person associated therewith in the capacity of owner, partner, director, officer, and manager: Is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency; Has not been suspended, debarred, voluntarily excluded or determined ineligible by any federal agency within the past 3 years; Does not have a proposed debarment pending; and Has not been indicted, convicted, or had a civil judgment rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years. If there are any exceptions to this certification, insert the exceptions on an attached page.

The undersigned as bidder, declares that the only persons or parties interested in this proposal as principals are those named herein and that this proposal is made without collusion with any person, firm, or corporation; and he proposes and agrees, if the proposal is accepted, that he will execute a contract with the City in the form set forth in the contract documents and that he will accept in full payment thereof the unit prices on the following page.

Construction Option 1: consists of structural repairs (handrail and columns)and painting of entire structural steel support structures (stair tower and flume support).

Item	Quantity	Unit	Description	Unit Price	Total Item Price
1	1	LS	Framing Repair		
2	1	LS	Guardrail Repair		
3	1	LS	Paint Repairs		
4	1	LS	Paint Slide Structures		
				Total Bid	

Construction Option 2: consists of structural repairs and painting limited to structural repairs.

Item	Quantity	Unit	Description	Unit Price	Total Item Price
1	1	LS	Framing Repair		
2	1	LS	Guardrail Repair		
3	1	LS	Paint Repairs		
4	0	LS	Paint Slide Structures		
				Total Bid	

CY is cubic yard; EA is each; LF is linear foot; LS is lump sum; SF is square foot

Check one and provide required information:

- No contracting preference is claimed
- California Small Business contracting preference is claimed
- Local business contracting preference is claimed
- Small business subcontracting preference is claimed

In the event the total amount for an individual bid item does not agree with the product of the estimated quantity and unit price bid for that item, the unit price stated for the individual item shall govern and the incorrect total amount for that item shall be corrected. In the event the Total Bid does not agree with the sum of the total amounts bid for the respective bid items, the total amounts for the respective bid items shall govern and the incorrect Total Bid shall be corrected.

Unit prices for all items, extensions and total amount of bid must be shown. The proposal submitted shall be in effect for 30 days after the opening of bids.

Accompanying this proposal is a deposit in the form of a _____ (Insert words "certified check", "cashier's check", "bid bond", "cash", or appropriate description of substitute security, as the case may be) in the amount of \$_____ which amount is not less than 10% of the total bid, payable to the CITY OF BISHOP.

The undersigned deposits the above-named security as a proposal guarantee and agrees that it shall be forfeited to the City in case this proposal is accepted by the City and the undersigned fails to execute a contract with the City as specified in the contract documents or fails to furnish the required payment and performance bonds, or substitute, and insurance certificates and endorsements. Should the City be required to engage the services of an attorney in connection with the enforcement of this bid, bidder promises to pay City's reasonable attorneys' fees, incurred with or without suit.

The names of all persons interested in the foregoing proposals as principals are as follows. If bidder is a corporation, state legal name of corporation, also names of the president, secretary, treasurer, and manager thereof; if a general partnership, state true name of firm, also names of all individual partners composing firm; if a limited partnership, the names of all general partners and limited partners; if an individual, state first and last names in full; if the bidder is a joint venture, state the complete name of each party.

Authorized Bidder Representative:

Name (typed or printed): _____ (SEAL)

By: _____
(Individual's signature – attach evidence of authority to sign)

Title: _____

Bid Bond

(10% of Total Bid Amount)

We, _____ as Principal,
and _____ as Surety,
jointly and severally, bind ourselves, our heirs, representatives, successors and assigns, as set forth herein to the

City of Bishop, California

(herein called City) for payment of the penal sum of _____
_____ Dollars (\$ _____), lawful money of the United
States. Principal has submitted the accompanying bid for the construction of

City Park Pool Waterslide Structural Repairs

If the Principal is awarded the contract and enters into a written contract, in the form prescribed by the City, at the price designated by his bid, and files two bonds with the City, or substitute security in lieu thereof, one to guarantee payment for labor and materials and the other to guarantee faithful performance, in the time and manner specified by the City, and carries all insurance in type and amount which conforms to the contract documents, and furnishes required certificates and endorsements thereof, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

Forfeiture of this bond, or any deposit made in lieu thereof, shall not preclude the City from seeking all other remedies provided by law to cover losses sustained as a result of the Principal's failure to do any of the foregoing.

Principal and Surety agree that if the City is required to engage the services of an attorney in connection with the enforcement of this bond, each shall pay City's reasonable attorney's fees incurred with or without suit.

Executed on _____

PRINCIPAL

(Seal of Corporation)

By _____

Title _____

(Attach Acknowledgment of Authorized Representative of Principal)

Any claims under this bond may be addressed to:

_____ (Name and address of Surety)

_____ (Name and address of Surety's agent for service of
process in California, if different from above)

_____ (Telephone number of Surety's agent in California)

(Attach Acknowledgement)

_____ SURETY

By _____
(Attorney-in-Fact)

Non-collusion Declaration

The undersigned declares:

I am the _____
of _____,

the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on

Date _____ at

City, State _____

Signature _____

Printed Name _____

Contractor Licenses

The Contractor's license classifications required for this project are as follows:

- Class B - General Building Contractor or
- Class C33 - Painting or
- Class C51 - Structural Steel or
- Class C53 - Swimming Pool or
- Class C60 - Welding Contractor

These classifications are provided for information purposes only. The Engineer does not warrant that all classifications required for the project are listed.

It is the City's intent that "plans," as used in Public Contract Code Section 3300, is defined as the construction contract documents, which include both drawings and specifications.

The contractor hereby confirms that it has all licenses and permits required by federal, state, and local statutes, regulations, and ordinances. The following are the Contractor's applicable license numbers:

<u>Contractor's License Number</u>	<u>Expiration Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

I state under penalty of perjury that all information submitted by me and included in this contract is true and correct.

Signature of Bidder: _____

Dated: _____

City of Bishop Local Business Verification

Complete and submit this form to claim Local Business status pursuant to Chapter 3.26, Contracting Preferences, of the Bishop Municipal Code.

Business: _____

Contact: _____

Telephone: _____

Email: _____

Bid or Project: _____

1. Business Location: Provide street addresses or locations of your business for the past six months. Indicate if headquarters, distribution point, or locally-owned franchise.

_____	_____
Addresses or Locations	Headquarters, Distribution Point, or Franchise

2. Business License: Provide issuing jurisdiction and number of local business license and attach a copy. Indicate if no license is required.

_____	_____
Jurisdiction	License number

3. Business Employment: Provide the name and street address of one full-time employee or names and street addresses of two part-time employees employed by your business. If your business has no employees, provide the names and street addresses of local business owners that own 50% or larger share of business.

	Name 1	Name 2
Name:	_____	_____
Street:	_____	_____
City, State, ZIP:	_____	_____
Full, Part Time, or Share:	_____	_____

Certification: I acknowledge I have read and understand the criteria for contracting preferences as defined under Chapter 3.26 of the Bishop Municipal Code. I swear and affirm under penalty of perjury that the above information is true and correct and that the business listed above is qualified and eligible to receive a local preference. Bishop Municipal Code available at www.cityofbishop.com or at City Hall.

_____	_____	_____
Signature	Title	Date

Agreement

THIS AGREEMENT, made and entered into by and between the

City of Bishop, California

hereinafter referred to as “CITY” and

a corporation under the laws of the state of _____;

hereinafter referred to as “CONTRACTOR”.

CITY and CONTRACTOR agree as follows:

1. SCOPE OF WORK: Contractor shall furnish all materials and shall perform all of the work for the construction of the City Park Pool Waterslide Structural Repairs in accordance with this agreement and the other contract documents. The scope of work shall be for Construction Option _____.
2. TIME FOR COMPLETION: The work shall be completed within the times set forth in the contract documents. Time is of the essence and forfeiture due to delay will be assessed as provided for in the contract documents.
3. CONTRACT SUM: CITY will pay CONTRACTOR as described in the Contractor bid and the rest of the contract documents.
4. PAYMENTS: Payment will be made in accordance with the contract documents. The filing of the notice of completion by CITY shall be preceded by acceptance of the work made only by an action of the City Council.
5. COMPLIANCE WITH PUBLIC CONTRACTS LAW: CITY is a public agency in the State of California and is subject to the provisions of law relating to public contracts. It is agreed that all provisions of law applicable to public contracts are a part of this contract to the same extent as though set forth herein and will be complied with by CONTRACTOR.
6. CONTRACT DOCUMENTS: The complete contract includes all of these documents:
 - Notice to Bidders
 - Bid Form
 - Agreement
 - Payment Bond

- Worker’s Compensation Certificate
- Special Provisions
- Other referenced documents

This Agreement is executed by the CITY pursuant to an action of its Governing Body in session on _____, authorizing the same, and CONTRACTOR has caused this Agreement to be duly executed.

Dated:

_____ By _____
City Administrator

Dated:

_____ By _____
(Contractor)

Title:

APPROVED AS TO FORM:

City Attorney

Payment Bond

(100% of the Agreement Amount)

We, _____ as Principal,

and _____ as Surety,
jointly and severally, bind ourselves, our heirs, representatives, successors and assigns, as set forth herein to the

City of Bishop

(herein called City) for payment of the penal sum of _____

_____ Dollars (\$ _____), lawful money of the United States. City has awarded Principal a contract for the construction of

City Park Pool Waterslide Structural Repairs

If Principal or any of his subcontractors fails to pay any of the persons named in Section 3181 of the California Civil Code, or amounts due under the Unemployment Insurance Code with respect to work or labor performed under the contract or during the one-year guarantee period, or for any amounts required to be deducted, withheld, and paid over to the Franchise Tax board from the wages of employees of the contractor and his subcontractors pursuant to Section 13020 of the Unemployment Insurance Code, with respect to such work and labor, then Surety will pay the same in an amount not exceeding the sum specified above, and also will pay, in case suit is brought upon this bond, such reasonable attorney’s fees as shall be fixed by the court.

This bond shall insure to the benefit of any of the persons named in Section 3181 of the California Civil Code, so as to give a right of action to them or their assigns in any suit brought upon this bond.

Surety agrees that no change, extension of time, alteration, or addition to the terms of the contract, or the work to be performed there under, or the plans and specifications shall in any way affect its obligation on this bond, and it does hereby waive notice thereof.

Principal and Surety agree that if the City is required to engage the services of an attorney in connection with the enforcement of this bond, each shall pay City’s reasonable attorney’s fees incurred with or without suit, in addition to above sum.

Executed in two original counterparts on
20____

_____ ,

PRINCIPAL

(Seal of Corporation)

By _____

Title _____

Any claims under this bond may be addressed to:

_____ (Name and address of Surety)

_____ (Name and address of Surety's agent for
service of process in California, if different
from above)

_____ (Telephone number of Surety's agent in
California)

(Attach Acknowledgement)

_____ SURETY

By _____
(Attorney-in-Fact)

APPROVED:

(Attorney for CITY)

Special Provisions

A. GENERAL PROVISIONS

1. GENERAL

Unless otherwise stated, the work embraced herein shall be done in accordance with the 2015 Standard Specifications and the Standard Plans of the State of California, Department of Transportation insofar as the same may apply and in accordance with these Special Provisions. Copies of the Standard Plans and the Standard Specifications may be obtained from the Department of Transportation. In addition the City of Bishop Specifications for Domestic Water and Sanitary Sewer System (1991) shall also apply. Copies may be obtained from the City of Bishop Public Works Department.

When approved by the Engineer, forms, documents, and standards equivalent to those specified may be used.

In the event of conflict between these Special Provisions, the project plans, the City of Bishop Specifications for Domestic Water and Sanitary Sewer System, the Standard Specifications, and the Standard Plans the order of precedent shall be these Special Provisions over the project plans over the technical specifications of the City of Bishop Specifications for Domestic Water and Sanitary Sewer System over the Standard Specifications over the remaining sections of the City of Bishop Specifications for Domestic Water and Sanitary Sewer System over the Standard Plans.

2. GLOSSARY

All definitions and terms in Section 1-1.07B, Glossary, of the Standard Specifications shall apply, except whenever the following terms are used the intent and meaning shall be as follows.

Bid Item List: The bid form corrected for math errors.

Contract: Executed agreement between the City and Contractor.

Contract Documents: The documents which make up the Contract, including any and all documents incorporated therein; also, any and all written agreements between the City and Contractor which amend or change the Contract. Referred to as the Bid Book in the Standard Specifications.

City: The City of Bishop, State of California.

Department: The Community Services Department of the City of Bishop.

Director: The Community Services Director of the City of Bishop.

Department of Transportation: The Community Services Department of the City of Bishop, except when Department of Transportation publications are cited, such cites are to remain as written and refer to the State of California, Department of Transportation, also known as Caltrans.

Engineer: The Community Services Director of the City of Bishop, acting either directly or through properly authorized agents, such agents acting within the scope of the particular duties delegated to them.

Laboratory: The Laboratory of the Community Services Department or other laboratories authorized by the Community Services Department of the City of Bishop to test materials and work involved in the Contract.

Office Engineer: The Community Services Director of the City of Bishop.

Owner: The City.

State or State of California: The City except when State publications or standards are cited, such cites are to remain as written and refer to the State of California.

3. CHANGES TO STANDARD SPECIFICATIONS

The following sections are deleted from the Standard Specifications:

2-1.02, Bid Ineligibility

2-1.06, Bid Documents

2-1.18, Small Business and Non-Small Business Subcontractor Preferences

2-1.27, California Companies

2-1.33D, Opt Out of Payment Adjustments for Price Index Fluctuations

3-1.08, Small Business Participation Report

3-1.11, Payee Data Record,

Delete the numbered list in Section 3-1.18, Contract Execution

Deleted the second and third paragraphs of Section 2-1.33A, Bid Document Completion - General.

Modify Section 5-1.23, Submittals, to identify each sheet by the project name.

Delete the column "Umbrella or excess liability" from Liability Limits table of Section 7-1.06D(2), Liability Limits / Additional Insureds.

4. PROPOSAL REQUIREMENTS

The bidder's attention is directed to the provisions in Section 2, Bidding, of the Standard Specifications and these special provisions for the requirements and conditions which the bidder must observe in the preparation and the submission of the bid. Subcontracting Request forms are not required but each proposal shall list the portion of work that will be done by each subcontractor. A sheet for listing the subcontractors is included in the Proposal.

The contractor or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract.

5. BONDS

The Contractor, simultaneously with the execution of the contract, shall furnish a payment bond in an amount equal to 100 percent of the contract amount, or equivalent cash or security in lieu of bonds pursuant to Section 995.710 of the Code of Civil Procedures. Bonds shall be furnished by surety companies satisfactory to the City on the forms furnished as part of the contract documents. Surety companies, to be acceptable to the City, must be authorized to do business and have an agent for service of process in California.

6. SCOPE OF WORK

The scope of the work shall consist of the work described in the contract documents for the **City Park Pool Waterslide Structural Repairs** project and as provided in the improvement plans.

7. PRE-CONSTRUCTION CONFERENCE

Prior to issuance to the Notice to Proceed, the City will hold a pre-construction conference for the purpose of discussing essential matters pertaining to the pursuit of the satisfactory completion of the project. The Contractor's representatives at this conference shall include all major superintendents for the work and may include subcontractors.

8. SUBMITTALS

In addition to submittals required in the Standard Specifications and elsewhere in these Special Provisions, the Contractor shall submit the following information to the City 7 working days prior to beginning of work for review and approval.

- a) A schedule of work conforming to Section 8-1.02B, Level 1 Critical Path Model Schedule, of the Standard Specifications.
- b) A health and safety plan.

Each submittal shall include a cover sheet clearly describing the purpose of the submittal and containing a statement that the contractor each page of submittals shall include a statement the contractor has examined and verified all field dimensions and measurements, field construction criteria, materials, and similar data, and they meet the requirements for the project. Submittals shall provide sufficient information to determine that the item is in compliance with the requirements.

9. PERMITS AND LICENSES

The following permits and licenses are known to be required for the work:

- a) City of Bishop Business License and
- b) California Contractors License Classification B or C33 or C51 or C53 or C60

10. TIME OF COMPLETION

The Contractor shall have 20 working days to complete the work.

11. LIQUIDATED DAMAGES

Liquidated damages shall be \$500 per day.

12. MEASUREMENT AND PAYMENT

All work will be measured and paid for as shown on the bid form and the contract documents.

Item quantities shall be measured by planned, actual, or lump sum in accordance with these special provisions. Item quantities to be measured for payment by planned quantities shall be based on theoretical or calculated quantities of completed work based on the plans. Item quantities to be measured for payment by actual quantities shall be determined by measurement of completed work.

The price paid for bid items shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in completing those items of work complete in place in accordance with the contract documents.

When the contract does not include a contract pay item for work required by the contract, full compensation for that work is included in the prices paid for the contract pay items included in the contract.

The Contractor with assistance from the City shall, on or before the tenth day of each calendar month after construction work is started, cause an estimate in writing to be made of the value of the work completed.

A request for payment shall be submitted by the Contractor each month and upon completion of all work for approval and payment by the City.

The City shall retain 10 percent of the estimated value of the work done and 10 percent of the value of materials so estimated to have been furnished and delivered and unused or furnished and stored as aforesaid as part security for the fulfillment of the contract by the Contractor, except that at any time after 20 percent of the work has been completed, if the Engineer finds that satisfactory progress is being made, the City may reduce the total amount being retained from payment pursuant to the above requirements to 5 percent of the estimated value of the work and materials and may also reduce the amount retained from any of the remaining partial payments to 5 percent of the estimated value of the work and materials. In addition, on any partial payment made after 95 percent of the work has been completed, the Department may reduce the amount withheld from payment pursuant to the requirements of this section to such lesser amount as the Department determines is adequate security for the fulfillment of the balance of the work and other requirements of the contract, but in no event will that amount be reduced to less than 125 percent of the estimated value of the work yet to be completed as determined by the Engineer.

Attention is directed to the provisions in Sections 10262 and 10262.5 of the Public Contract Code concerning prompt payment to subcontractors.

13. RESOLUTION OF CLAIMS

All public works claims between the Contractor and City relating to this contract where the total claims of both parties are equal or less than \$375,000 shall be resolved in accordance with Public Contract Sections 20104 et seq., which are incorporated herein by reference. There shall be no claims for labor compliance issues.

14. GENERAL SAFETY

Contractor shall transmit to the City copies of reports and other documents related to accidents and injuries encountered during this work. Where there is conflict between applicable safety orders, laws and regulations and policies, the more stringent measures shall apply.

15. CHEMICALS

The Contractor shall provide two copies of Material Safety Data Sheets to the City for all chemicals used during this project at least three days prior to bringing them on site. Use of all such chemicals and disposal of residues shall be in strict accordance with the printed instructions of the manufacturer.

If the Contractor encounters hazardous substances during this work, he shall immediately notify the City and the County Environmental Services Office. Hazardous substances shall be disposed of in accordance with the requirements of Inyo County Department of Environmental Health.

B. TECHNICAL SPECIFICATIONS

Work shall conform to the attached technical specifications:

1. Section 051200 - Structural Steel Framing (3 pages)
2. Section 055213 - Pipe And Tube Railings (4 pages)
3. Section 099113 - Exterior Painting (4 pages)

C. BID ITEMS

1. Framing Repair

Framing Repair shall consist of column repairs and shall be measured lump sum.

2. Guardrail Repair

Guardrail Repair shall consist of repair to guardrail and includes galvanizing. Guardrail Repair shall be measured lump sum.

3. Paint Repairs

Paint shall consist of preparing and painting portion of structure affected by repair work and shall be measured lump sum.

4. Paint Slide Structures

Paint shall consist of preparing and painting existing structure not painted as part of Paint Repairs item and shall be measured lump sum.

SECTION 051200 - STRUCTURAL STEEL FRAMING

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Structural steel cover plates for column repairs and pipe support.
- B. Shop Drawings: Show fabrication of structural-steel components.
 - 1. Include details of cuts, connections, holes, and other pertinent data.
 - 2. Indicate welds by standard AWS symbols, distinguishing between shop and field welds, and show size, length, and type of each weld.
- C. Welding Procedure Specifications (WPSs): Provide according to AWS D1.1, "Structural Welding Code - Steel," for each welded joint.
- D. Welding certificates.
- E. Mill test reports for structural steel, including chemical and physical properties.
- F. Product Test Reports: Bolts, nuts, and washers including mechanical properties and chemical analysis.

1.2 DELIVERY, STORAGE, AND HANDLING

- A. Store materials to permit easy access for inspection and identification. Keep steel members off ground and spaced by using pallets, dunnage, or other supports and spacers. Protect steel members and packaged materials from corrosion and deterioration.
- B. Store fasteners in a protected place in sealed containers with manufacturer's labels intact.

1.3 FABRICATION

- A. Structural Steel: Fabricate and assemble in shop to greatest extent possible. Fabricate according to AISC's "Code of Standard Practice for Steel Buildings and Bridges" and AISC 360.
- B. Thermal Cutting: Perform thermal cutting by machine to greatest extent possible.
- C. Bolt Holes: Cut, drill, or punch standard bolt holes perpendicular to metal surfaces.

- D. Finishing: Accurately finish ends of columns and other members transmitting bearing loads.

1.4 SHOP CONNECTIONS

- A. Weld Connections: Comply with AWS D1.1 for tolerances, appearances, welding procedure specifications, weld quality, and methods used in correcting welding work.
 - 1. Assemble and weld built-up sections by methods that will maintain true alignment of axes without exceeding tolerances in AISC 303 for mill material.

1.5 GALVANIZING

- A. Hot-Dip Galvanized Finish: Apply zinc coating by the hot-dip process to structural steel according to ASTM A 123.
 - 1. Fill vent and drain holes that will be exposed in the finished Work unless they will function as weep holes, by plugging with zinc solder and filing off smooth.

1.6 SOURCE QUALITY CONTROL

- A. Testing Agency: Owner will engage an independent testing and inspecting agency to perform visual inspections and prepare test reports.
- B. Correct deficiencies in Work that test reports and inspections indicate does not comply with the Contract Documents.

PART 2 - EXECUTION

2.1 EXAMINATION

- A. Verify with Engineer, elevations and orientation of steel cover plates and repairs.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

2.2 FIELD CONNECTIONS

- A. Weld Connections: Comply with AWS D1.1 for tolerances, appearances, welding procedure specifications, weld quality, and methods used in correcting welding work.
 - 1. Comply with AISC 303 and AISC 360 for bearing, alignment, adequacy of temporary connections, and removal of paint on surfaces adjacent to field welds.

2. Clean and prepare surfaces by SSPC-SP 2 hand-tool cleaning or SSPC-SP 3 power-tool cleaning prior to field welding.

2.3 FIELD QUALITY CONTROL

- A. Testing Agency: Owner will engage a qualified independent testing and inspecting agency to inspect field welds.
- B. Welded Connections: Field welds will be visually inspected according to AWS D1.1.
- C. Correct deficiencies in Work that test reports and inspections indicate does not comply with the Contract Documents.

2.4 REPAIRS AND PROTECTION

- A. Galvanized Surfaces: Clean areas where galvanizing is damaged or missing and repair galvanizing to comply with ASTM A 780.

END OF SECTION 051200

SECTION 055213 - PIPE AND TUBE RAILINGS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Steel tube guardrail.

1.2 PERFORMANCE REQUIREMENTS

- A. General: Provide new steel tube guardrail section to match existing geometry, materials, and finish. New guardrail shall utilize the existing mounting holes and fastener locations.

1.3 SUBMITTALS

- A. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
- B. Welding certificates.

1.4 QUALITY ASSURANCE

- A. Welding Qualifications: Qualify procedures and personnel according to AWS D1.1, "Structural Welding Code - Steel."

1.5 PROJECT CONDITIONS

- A. Field Measurements: Verify actual locations of anchors and other construction contiguous with metal fabrications by field measurements before fabrication.

PART 2 - PRODUCTS

2.1 METALS, GENERAL

- A. Metal Surfaces, General: Provide materials with smooth surfaces, without seam marks, roller marks, rolled trade names, stains, discolorations, or blemishes.

2.2 FASTENERS

- A. General: Provide the following:
 - 1. Hot-Dip Galvanized Railings: Type 304 stainless-steel or hot-dip zinc-coated steel fasteners complying with ASTM A 153 or ASTM F 2329 for zinc coating.
- B. Fasteners for Anchoring Railings to Other Construction: Provide new fasteners of same diameter and length to fasten new railing section to existing structure.

2.3 MISCELLANEOUS MATERIALS

- A. Welding Rods and Bare Electrodes: Select according to AWS specifications for metal alloy welded.
- B. Galvanizing Repair Paint: High-zinc-dust-content paint complying with SSPC-Paint 20 and compatible with paints specified to be used over it.
- C. Polyurethane Topcoat (Construction Option 1): Compatible with undercoat to match existing color/finish. For Construction Option 2, See Section 099113 for painting requirements.

2.4 FABRICATION

- A. General: Shop fabricate railings to comply with requirements indicated for design, dimensions, member sizes and spacing, details, finish, and anchorage.
- B. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges to a radius of approximately 1/32 inch unless otherwise indicated. Remove sharp or rough areas on exposed surfaces.
- C. Form work true to line and level with accurate angles and surfaces.
- D. Fabricate connections that will be exposed to weather in a manner to exclude water. Provide weep holes where water may accumulate.
- E. Cut, reinforce, drill, and tap as indicated to receive finish hardware, screws, and similar items.
- F. Connections: Fabricate railings with welded connections unless otherwise indicated.
- G. Welded Connections: Cope components at connections to provide close fit, or use fittings designed for this purpose. Weld all around at connections, including at fittings.
 - 1. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals.

2. Obtain fusion without undercut or overlap.
 3. Remove flux immediately.
 4. At exposed connections, finish exposed surfaces smooth and blended so no roughness shows after finishing and welded surface matches contours of adjoining surfaces.
- H. Brackets, Flanges, Fittings, and Anchors: Provide wall brackets, flanges, miscellaneous fittings, and anchors to interconnect railing members to other work unless otherwise indicated.

2.5 STEEL FINISHES

A. Galvanized Railings:

1. Hot-dip galvanize steel and railings, including hardware, after fabrication.
2. Comply with ASTM A 123 for hot-dip galvanized railings.
3. Do not quench or apply post galvanizing treatments that might interfere with paint adhesion.
4. Fill vent and drain holes that will be exposed in the finished Work, unless indicated to remain as weep holes, by plugging with zinc solder and filing off smooth.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

- A. Fit exposed connections together to form tight joints.
- B. Set railings accurately in location, alignment, and elevation.
 1. Do not weld, cut, or abrade surfaces of railing components that have been coated or finished after fabrication and that are intended for field connection by mechanical or other means without further cutting or fitting.
 2. Set posts plumb within a tolerance of 1/16 inch in 3 feet.
- C. Adjust railings before anchoring to ensure matching alignment at abutting joints.

3.2 RAILING CONNECTIONS

- A. Welded Connections: Use fully welded joints for permanently connecting railing components. Comply with requirements for welded connections in "Fabrication" Article whether welding is performed in the shop or in the field.

3.3 ADJUSTING AND CLEANING

- A. Touchup Painting: Immediately after erection, clean field welds, bolted connections, and abraded areas of shop paint, and paint exposed areas with the same material as used for shop painting to comply with SSPC-PA 1 for touching up shop-painted surfaces.
- B. Galvanized Surfaces: Clean field welds, bolted connections, and abraded areas and repair galvanizing to comply with ASTM A 780.

3.4 PROTECTION

- A. Protect finishes of railings from damage during construction period. Remove protective coverings at time of Substantial Completion.

END OF SECTION 055213

SECTION 099113 - EXTERIOR PAINTING

PART 1 - GENERAL

1.1 SUMMARY

- A. This Section includes surface preparation and the application of paint systems on the following exterior substrates:
 - 1. Steel.
 - 2. Galvanized metal.

1.2 SUBMITTALS

- A. Product Data: For each type of product indicated. Product data should indicate manufacturers provided minimum performance ratings or approvals for similar exterior pool-side applications.
- B. Samples for Initial Selection: For each type of topcoat product indicated.
- C. Samples for Verification: Submit color samples on rigid backing, 8 inches square.

1.3 DELIVERY, STORAGE, AND HANDLING

- A. Store materials not in use in tightly covered containers in well-ventilated areas with ambient temperatures continuously maintained at not less than 45 deg F.
 - 1. Maintain containers in clean condition, free of foreign materials and residue.
 - 2. Remove rags and waste from storage areas daily.

1.4 PROJECT CONDITIONS

- A. Apply paints only when temperature of surfaces to be painted and ambient air temperatures are between 50 and 90 deg F or as approved by the painting manufacturer.
- B. Do not apply paints in snow, rain, fog, or mist; when relative humidity exceeds 85 percent; at temperatures less than 5 deg F above the dew point; or to damp or wet surfaces.

1.5 EXTRA MATERIALS

- A. Furnish an additional 2 gallons of extra materials from same production run (batch mix) as materials applied and that are packaged for storage and identified with labels describing contents.

PART 2 - PRODUCTS

2.1 PAINT, GENERAL

- A. Material Compatibility:
 - 1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
 - 2. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.
- B. Colors: Provide color samples and finishes to be selected by the City of Bishop.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Applicator present, for compliance with requirements for maximum moisture content and other conditions affecting performance of work.
- B. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.
- C. Begin coating application only after unsatisfactory conditions have been corrected and surfaces are dry.

3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Architectural Painting Specification Manual" applicable to substrates and paint systems indicated.
- B. Remove plates, machined surfaces, and similar items already in place that are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.

1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection if any.
 2. Do not paint over labels of independent testing agencies or equipment name, identification, performance rating, or nomenclature plates.
- C. Clean substrates of substances that could impair bond of paints, including dirt, oil, grease, and incompatible paints and encapsulates.
- D. Steel Substrates: Remove rust and loose mill scale. Clean using methods recommended in writing by paint manufacturer.
- E. Galvanized-Metal Substrates: Remove grease and oil residue from galvanized sheet metal fabricated from coil stock by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied paints.

3.3 APPLICATION

- A. Apply paints according to manufacturer's written instructions.
1. Use applicators and techniques suited for paint and substrate indicated.
 2. Paint surfaces behind movable items same as similar exposed surfaces.
- B. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.
- C. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

3.4 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

3.5 EXTERIOR PAINTING SCHEDULE

- A. Galvanized-Metal Substrates:

1. Epoxy Duplex System:
 - a. Prime Coat: Galvanized-metal primer.
 - b. Intermediate Coat: Exterior matching topcoat.
 - c. Topcoat: Flat with UV inhibitors.

END OF SECTION 099113

CITY OF BISHOP

CITY PARK POOL - WATERSLIDE

680 NORTH MAIN ST

STRUCTURAL REPAIRS



REV	DATE	DESCRIPTION	APPROV
0	2/24/18	100% DESIGN	TJL

APPROVED BY:
COMMUNITY SERVICES

[Signature]
for
JIM TATUM
DIRECTOR OF COMMUNITY SERVICES

DATE
11 March 2018

CITY OF BISHOP
CITY PARK POOL - WATER SLIDE REPAIRS
DESCRIPTION OF WORK, STRUCTURAL NOTES
GENERAL CONDITIONS
CALIFORNIA
INYO COUNTY

DRAWN: TJL
CHECKED: TJL
DATE: 12/19/17
SCALE: AS SHOWN
PROJECT NO: 1141706

SHEET NO:
S1.0

- 1. GENERAL**
- THE FOLLOWING STRUCTURAL NOTES SHALL APPLY TO ALL STRUCTURAL DRAWINGS UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE.
 - ALL WORK SHALL CONFORM TO THESE NOTES, DRAWINGS, AND SPECIFICATIONS IN ALL RESPECTS.
 - DO NOT SCALE WORKING DIMENSIONS FROM THESE PLANS, SECTIONS, OR DETAILS.
 - DETAILS OF THE CONSTRUCTION NOT FULLY SHOWN OR NOTED ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS SHALL BE OF THE SAME SIZE AND CHARACTER AS FOR SIMILAR CONDITIONS WHICH ARE SHOWN AND NOTED.
 - THE WORD "TYPICAL" SHALL MEAN THAT INFORMATION SHOWN SHALL BE APPLIED TO ALL SIMILAR CONDITIONS WHETHER OR NOT THE INFORMATION IS SPECIFICALLY REFERENCED, UNLESS OTHERWISE NOTED ON THE DRAWINGS.
 - MODIFICATIONS OR SUBSTITUTIONS TO THE DESIGN, MATERIALS, OR PRODUCTS SPECIFIED ON THE PLANS ARE PROHIBITED WITH OUT PRIOR WRITTEN APPROVAL BY THE ENGINEER.
 - THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR PROVIDING AND MAINTAINING A SAFE WORK ENVIRONMENT IN ACCORDANCE WITH ALL LOCAL, STATE, FEDERAL SAFETY AND HEALTH STANDARDS LAWS AND REGULATIONS. THE CONTRACTOR SHALL EXECUTE WORK TO ENSURE SAFETY OF PERSONS AND PROPERTY AGAINST DAMAGE AND SHALL PROVIDE ADEQUATE SHORING AND BRACING AS REQUIRED FOR STABILITY DURING ALL PHASES OF CONSTRUCTION.
 - THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE MEANS AND METHODS OF CONSTRUCTION.

- 2. DESIGN CRITERIA**
- DESIGN, MATERIALS, AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE MINIMUM REQUIREMENTS OF THE 2016 CALIFORNIA BUILDING CODE AS AMENDED AND ADOPTED BY THE CITY OF BISHOP, CA
 - ALL OTHER CODES AND STANDARDS SHALL BE THE MOST CURRENT ADOPTED EDITION AS OF THE DATE OF THESE DRAWINGS.
 - SNOW LOADS:

SNOW LOAD IMPORTANCE FACTOR, Is:	1.0	
GROUND SNOW LOAD, Pg:	50	PSF (ELEV. 4145')
FLAT ROOF/PANEL SNOW LOAD, Pf:	42	PSF
SNOW EXPOSURE FACTOR, Ce:	1.0	
THERMAL FACTOR, Ct:	1.2	
 - WIND DESIGN:

BASIC WIND SPEED, Vult:	115	MPH
NOMINAL WIND SPEED, Vasd:	90	MPH
RISK CATEGORY:	II	
WIND EXPOSURE:	B	
VELOCITY PRESSURE AT MEAN HEIGHT:	16.6	PSF (1.0 W)
 - SEISMIC DESIGN:

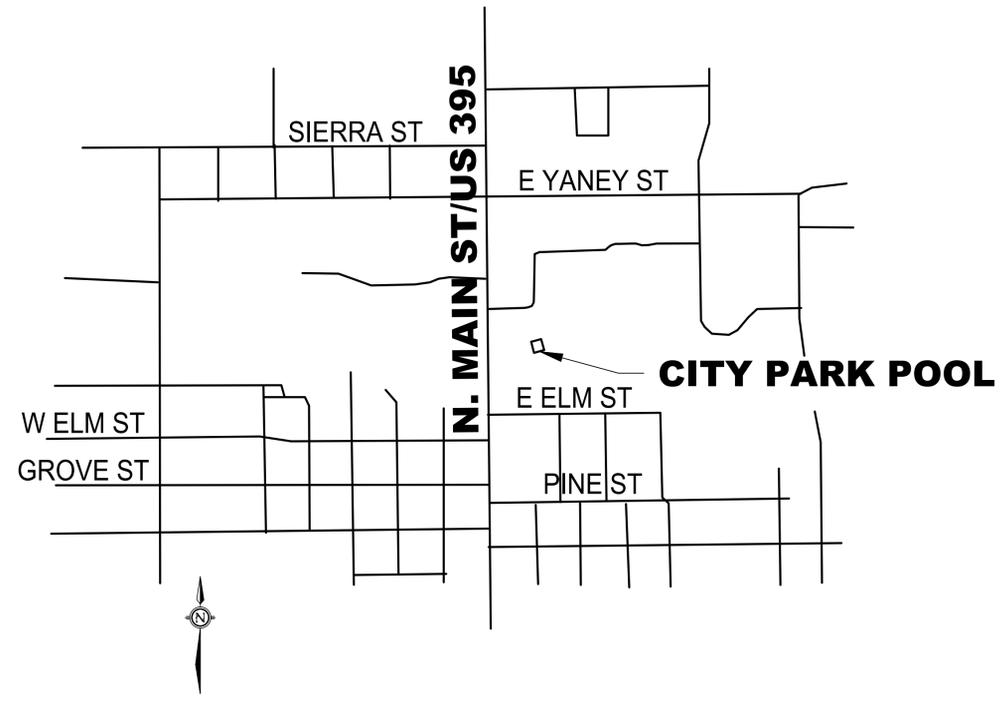
RISK CATEGORY:	II	
SEISMIC IMPORTANCE FACTOR, Is:	1.0	
MAPPED SPECTRAL ACCELERATION, Ss:	1.47	g
S1:	0.47	g
SITE CLASS:	D	
SPECTRAL RESPONSE COEFFICIENT, Sds:	0.98	g
Sd1:	0.48	g
SEISMIC DESIGN CATEGORY:	D	

- 3. STEEL CONSTRUCTION**
- STRUCTURAL STEEL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO CBC CHAPTER 22 AND AISC 360, AISC 341, AND AISC 303.
 - PROVIDE SHOP DRAWINGS INCLUDING DETAILS FOR CUTS, HOLES AND WELDS FOR ALL FABRICATED PARTS FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
 - HSS STEEL TUBING SHALL BE ASTM A500, GR B (FY = 46 ksi).
 - PLATES, CHANNELS AND ANGLES SHALL BE ASTM A36.
 - WELDING SHALL CONFORM TO AWS D1.1. CERTIFIED WELDERS SHALL PERFORM ALL WELDING.
 - USE LOW-HYDROGEN E70XX ELECTRODES WITH A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT 0°F FOR ALL FIELD WELDS.
 - ALL WELDS SHALL BE PRE-QUALIFIED AND SHALL BE PERFORMED IN STRICT CONFORMANCE WITH AN APPROVED WRITTEN WELD PROCEDURE SPECIFICATION (WPS) PER AWS D1.1. CONTRACTOR TO PROVIDE ENGINEER OF RECORD WELDING PROCEDURES TO BE REVIEWED AND APPROVED PRIOR TO BEGINNING ANY WELDING.
 - THRU BOLTS SHALL BE SAE GRADE 5 OR ANSI 18-8 STAINLESS STEEL TO MATCH (E) WITH MATCHING HEX NUTS AND WASHERS.
 - ALL STRUCTURAL STEEL SHALL BE SHOP-PRIMED AND FIELD PAINTED.
- 4. SPECIAL INSPECTIONS AND TESTING**
- WHERE REQUIRED BY THE PROVISIONS OF SECTION 1704, THE SERVICES OF A SPECIAL INSPECTOR OF RECORD SHALL BE RETAINED BY THE CONTRACTOR AS A THIRD PARTY QUALITY ASSURANCE AGENT.
- STEEL CONSTRUCTION, CBC 1705.2:
- PERIODIC INSPECTION AND MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, WASHERS FOR BEARING TYPE CONNECTIONS.
- PERIODIC INSPECTION AND MATERIAL VERIFICATION OF SINGLE PASS FILLET WELDS < 5/16".
- PERIODIC INSPECTION AND MATERIAL VERIFICATION FOR MULTI-PASS WELDS > 5/16".

- 5. STRUCTURAL OBSERVATIONS**
- STRUCTURAL OBSERVATION SHALL BE PROVIDED BY A REGISTERED DESIGN PROFESSIONAL FOR GENERAL CONFORMANCE OF CONSTRUCTION TO THE APPROVED CONSTRUCTION DOCUMENTS AT SIGNIFICANT CONSTRUCTION STAGES AND AT COMPLETION OF THE STRUCTURAL SYSTEM.



City of Bishop Location Map



VICINITY MAP
SCALE: NTS

DESCRIPTION OF WORK:

THIS PROJECT CONSIST OF STRUCTURAL REPAIRS AND FINISHES TO THE EXISTING CITY OF BISHOP'S CITY PARK POOL WATER SLIDE SUPPORT STRUCTURE. THE WATER SLIDE IS SUPPORTED BY A STRUCTURAL STEEL STAIR TOWER THAT HAS CORRODED. REPAIRS CONSIST OF WELDED COVER PLATES TO THE SUPPORT COLUMNS, REPLACEMENT OF A SECTION OF HANDRAIL, REPLACEMENT OF A DRAIN SUPPORT, GALVANIZING AND PAINTING.

CONSTRUCTION OPTION 1: CONSISTS OF STRUCTURAL REPAIRS (HANDRAIL & COLUMNS) AND PAINTING LIMITED TO STRUCTURAL REPAIRS.

CONSTRUCTION OPTION 2: CONSISTS OF STRUCTURAL REPAIRS AND PAINTING OF ENTIRE STRUCTURAL STEEL SUPPORT STRUCTURES (STAIR TOWER AND FLUME SUPPORT).

WORK CONDITIONS:

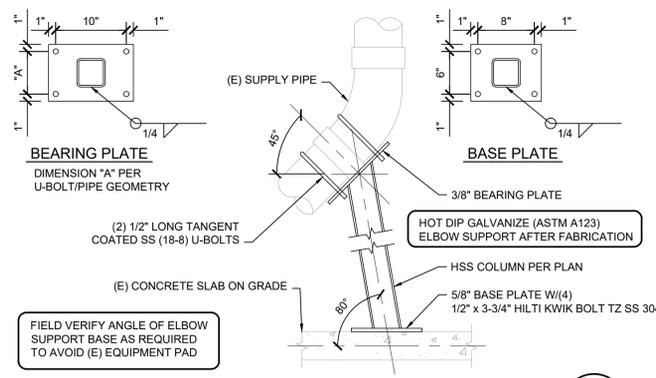
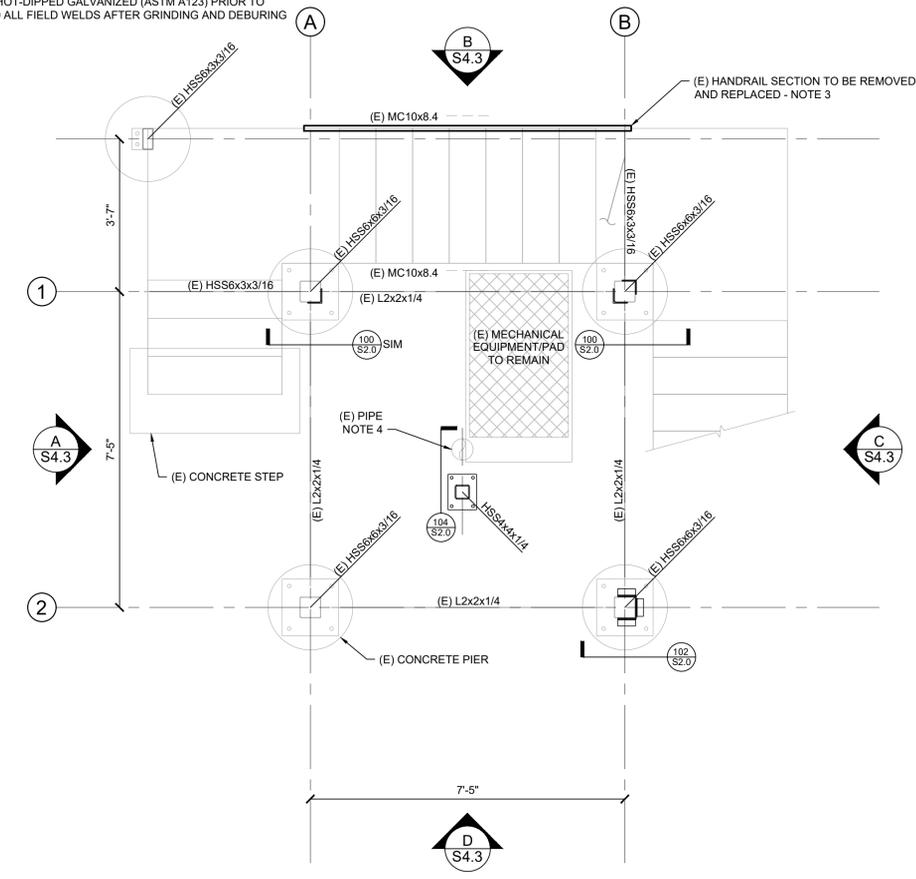
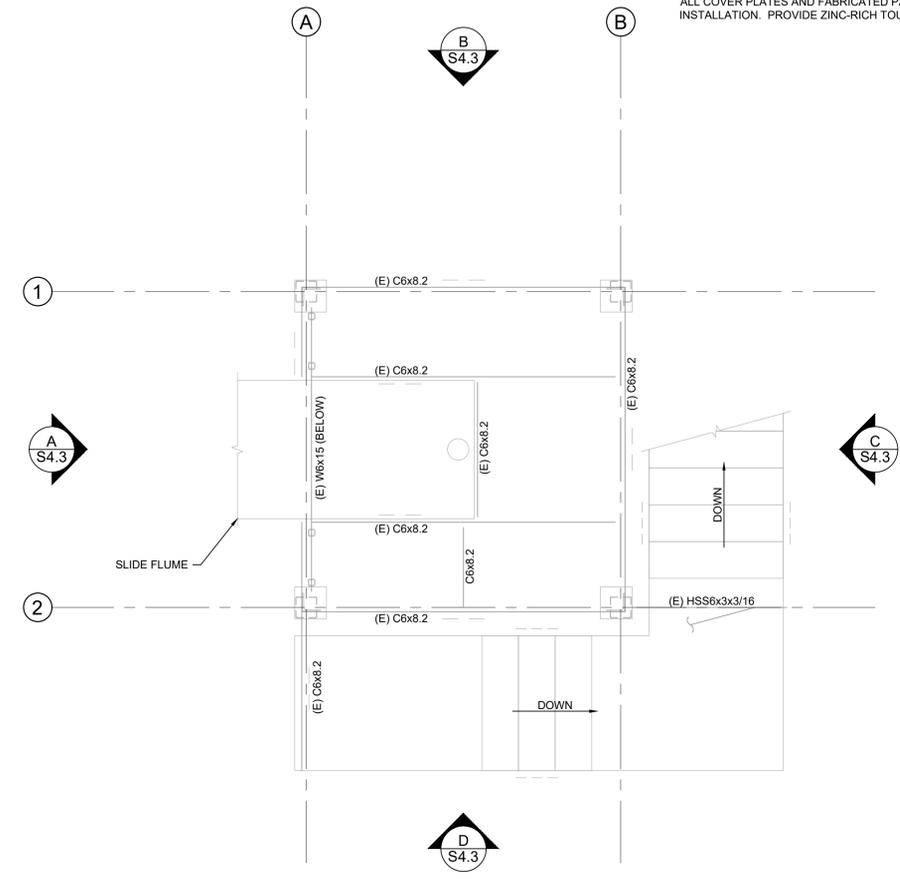
THIS PROJECT WILL BE CONDUCTED AT THE CITY OF BISHOP'S, CITY PARK POOL FACILITY. WORKMAN WILL BE EXPECTED TO BE RESPECTFUL OF ALL STAFF AND VISITORS WHENEVER ON-SITE. THE CONTRACTOR SHALL ABIDE BY ALL RULES AND DIRECTIONS FROM CITY STAFF REGARDING CONSTRUCTION ACTIVITIES. CLEANLINESS AND HOUSEKEEPING WILL BE A CONTINUOUS EXPECTATION AND WILL BE THE RESPONSIBILITY OF EACH CONTRACTOR WORKING ON THE PROJECT AT ALL TIMES. THE CONTRACTOR WILL BE EXPECTED TO WORK AROUND ANY EXISTING EQUIPMENT, STRUCTURES, OR UTILITIES TO REMAIN.

GENERAL CONDITIONS:

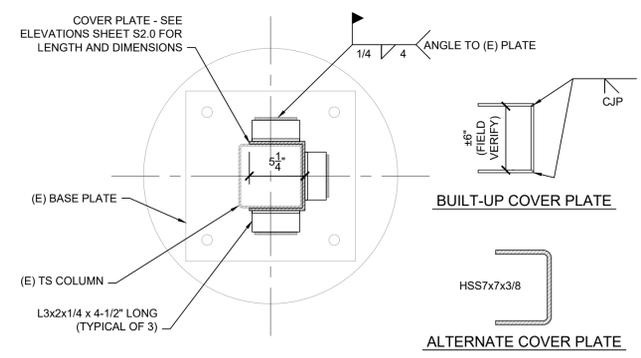
- ALL MATERIALS AND WORKMANSHIP SHALL BE DONE TO THE HIGHEST STANDARDS AND BEST TRADE PRACTICES. WORK SHALL CONFORM TO THE REQUIREMENTS OF THE CBC (LATEST EDITION) AND TO LOCAL CITY AND COUNTY ORDINANCES AS AMENDED AND ADOPTED BY THE CITY OF BISHOP. NOTHING IN THE CONTRACT DOCUMENTS IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK CONTRARY TO THESE CODES, LAWS, AND STATUTES.
- EXAMINATION OF THE SITE AND PORTIONS THEREOF WHICH WILL AFFECT THIS WORK SHALL BE MADE BY THE CONTRACTOR PRIOR TO BEGINNING ANY WORK. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE PRIOR TO STARTING EACH PHASE OF WORK. ALL DISCREPANCIES AND OR OMISSIONS FROM THE DRAWINGS, NOTES, OR SPECIFICATIONS, SHALL BE BROUGHT TO THE ATTENTION OF STRUCTURAL SYSTEM SOLUTIONS INC. IMMEDIATELY AND CORRECTED IN WRITING PRIOR TO PROCEEDING WITH CONSTRUCTION. DO NOT SCALE PLANS, DIMENSIONS SHOWN SHALL TAKE PRECEDENCE.
- THE CONSTRUCTION DOCUMENTS ARE PROVIDED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION, MATERIALS AND WORKMANSHIP THROUGHOUT. THE DOCUMENTS DO NOT ILLUSTRATE EVERY CONDITION.
- PAYMENT FOR WORK SHOWN ON THESE PLANS EITHER SPECIFIED OR INFERRED, BUT NOT INCLUDED IN THE BID PROPOSAL SHALL BE CONSIDERED AS INCLUDED IN THE PRICE PAID FOR OTHER ITEMS OF WORK.
- THE CONTRACTOR IS REQUIRED TO OBTAIN ALL NECESSARY PERMITS FROM ALL APPLICABLE AGENCIES AND TO PAY ALL ASSOCIATED FEES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND TAKE ALL REASONABLE PRECAUTIONS FOR THE SAFETY OF ALL EMPLOYEES AND OTHER PERSONS. STRUCTURAL SYSTEM SOLUTIONS INC. AND THE OWNER SHALL NOT BE HELD RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS AND PROCEDURES USED WHICH RESULT IN AN ACCIDENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEVELOPMENT, COORDINATION, AND SAFE EXECUTION OF CONSTRUCTION MEANS AND METHODS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH HIS WORK.
- UNLESS NOTED OTHERWISE ALL WORK SCOPE IS ASSUMED NEW UNLESS NOTED AS EXISTING.
- THE WORD "PROVIDE" AS USED IN THESE DOCUMENTS IS INTENDED TO MEAN THAT SUCH SHALL BE FURNISHED, INSTALLED AND CONNECTED, UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL KEEP ON THE JOB SITE A SET OF RECORD DRAWINGS TO BE UPDATED FOR AS-BUILT DRAWINGS, NOTING EVERY CHANGE FROM THE CONTRACT DOCUMENTS AND CLEARLY AND ACCURATELY INDICATE ALL COVERED, CIVIL, STRUCTURAL, ELECTRICAL.
- THE CONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS FOR A PERIOD OF (1) YEAR FROM THE DATE OF NOTICE OF COMPLETION.
- ALL MATERIALS, COLORS AND FINISHES TO BE VERIFIED BY STRUCTURAL SYSTEM SOLUTIONS AND THE CITY OF BISHOP PRIOR TO ORDERING AND INSTALLATION. SUBMITTALS ARE REQUIRED FOR APPROVAL.
- THE CONTRACTOR SHALL PROTECT AREAS OF WORK AND NEW AND EXISTING MATERIALS, EQUIPMENT, AND FINISHES FROM DAMAGE WHICH MAY OCCUR FROM CONSTRUCTION, DEMOLITION, DUST, WATER, WEATHER, ETC. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGE TO NEW AND EXISTING MATERIALS, FINISHES, STRUCTURES AND EQUIPMENT TO THE SATISFACTION OF THE OWNER AND AT NO COST TO THE OWNER.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY BARRICADES, ENCLOSURES, AND OR SIGNAGE AS REQUIRED TO PROTECT ALL CITY OF BISHOP STAFF AND VISITORS DURING THE ENTIRE PERIOD OF CONSTRUCTION.
- UPON COMPLETION OF CONSTRUCTION, THE CONTRACTOR SHALL LEAVE THE JOB SITE AND STAGING AREAS CLEAN AND IN AN ORDERLY MANNER READY FOR USE. THE CONTRACTOR SHALL RESTORE ANY AND ALL AREAS USED FOR STAGING MEN, MATERIALS, AND EQUIPMENT IN THE PERFORMANCE OF THIS WORK TO A CONDITION EQUALING ITS ORIGINAL CONDITION. AT A MINIMUM THIS RESTORATION SHALL INCLUDE REMOVAL OF ALL CONSTRUCTION DEBRIS.

COLUMN	LOCATION	COVER PLATE	LENGTH	REFERENCE DETAILS
I	1 & A	L4x4x1/4	4'-0"	100/S2.0 & 101/S2.0
II	1 & B	L4x4x1/4	3'-3"	100/S2.0 & 101/S2.0
III	2 & A	-	-	100/S2.0 & 101/S2.0
IV	2 & B	CUSTOM 1/4"	4'-6"	102/S2.0 & 103/S2.0

ALL COVER PLATES AND FABRICATED PARTS SHALL BE HOT-DIPPED GALVANIZED (ASTM A123) PRIOR TO INSTALLATION. PROVIDE ZINC-RICH TOUCH UP PAINT TO ALL FIELD WELDS AFTER GRINDING AND DEBURRING

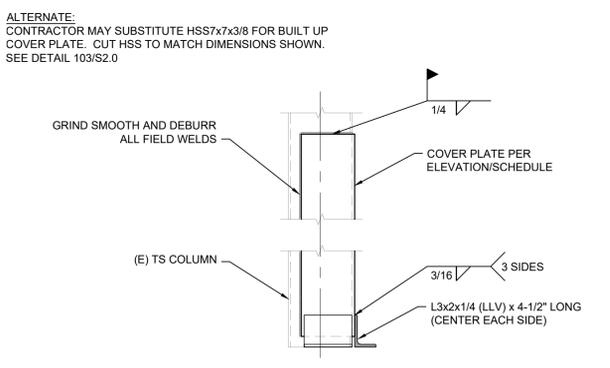


104
S2.0



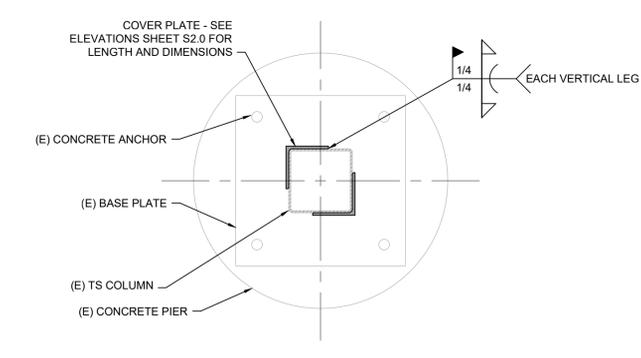
COVER PLATE AT BASE GRIDLINE B & 2 - PLAN
 1-1/2" = 1'-0"

103
S2.0



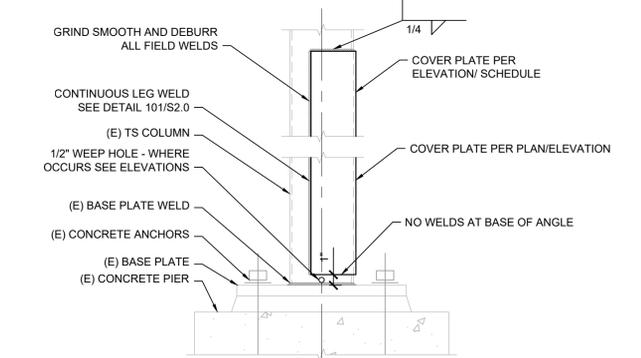
COLUMN COVER PLATE - GRID B & 2
 1-1/2" = 1'-0"

102
S2.0



COVER PLATE AT BASE - PLAN
 1-1/2" = 1'-0"

101
S2.0



COVER PLATE AT BASE - ELEVATION
 1-1/2" = 1'-0"

100
S2.0

- REPAIR NOTES:**
- DIMENSIONS OF REPAIRS AS NOTED ON THESE PLANS ARE FOR REFERENCE ONLY AND SHALL BE VERIFIED AS MARKED BY THE ENGINEER IN THE FIELD. CONTRACTOR TO FIELD VERIFY STRAIGHTNESS AND SQUARENESS OF (E) TS COLUMNS PRIOR TO BEGINNING WORK AND FABRICATION. NOTIFY ENGINEER WHERE VARIATIONS IN STRAIGHTNESS EXCEED 1/8" IN 12" DIVIDED BY 5, OR WHERE ADJACENT SIDES DEVIATE FROM 90 DEGREES BY MORE THAN ±2 DEGREES.
 - PROVIDE A POWER TOOL CLEANED (HAND-HAND MOTORIZED GRINDING DISCS OR WHEELS) SURFACE TO (E) BASE METALS PRIOR TO WELDING COVER PLATES. SURFACES SHALL BE FREE OF ALL LOOSE MILL SCALE, LOOSE RUST, LOOSE PAINT, AND OTHER DETRIMENTAL FOREIGN MATTER. NOTIFY ENGINEER WHERE AFTER SURFACE CLEANING EMBEDDED CORROSION CONFLICTS WITH LOCATION OF PROPOSED WELDS.
 - CONTRACTOR TO REMOVE (E) GUARDRAIL & HANDRAIL SECTION FROM (E) STAIR STRINGER AND REPLACE WITH (N) SECTION TO MATCH (E) - SEE DETAIL 200/S4.0. EXISTING FASTENERS TO BE REPLACED.
 - REMOVE AND (E) CORRODED PIPE SUPPORT INCLUDING FASTENERS, AND PIPE CLAMP WITH NEW GROUND MOUNTED ELBOW SUPPORT. NEW COMPONENTS SHALL BE HOT-DIPPED GALVANIZED AND PAINTED. FASTENERS SHALL BE STAINLESS STEEL.
 - PROVIDE 1/2" DIAMETER WEEP HOLES (2 SIDES) AT THE BASE OF EACH (E) TS COLUMN (TYPICAL).
 - ALL EXPOSED WELDS AND CUT PIECES OF STRUCTURAL STEEL SHALL BE GROUND SMOOTH AND DEBURRED.
 - SEE SHEET S4.0 FOR PAINTING & FINISHING NOTES AND MINIMUM REQUIREMENTS.

REV	DATE	DESCRIPTION	APPROV
0	2/24/18	100% DESIGN	TJL

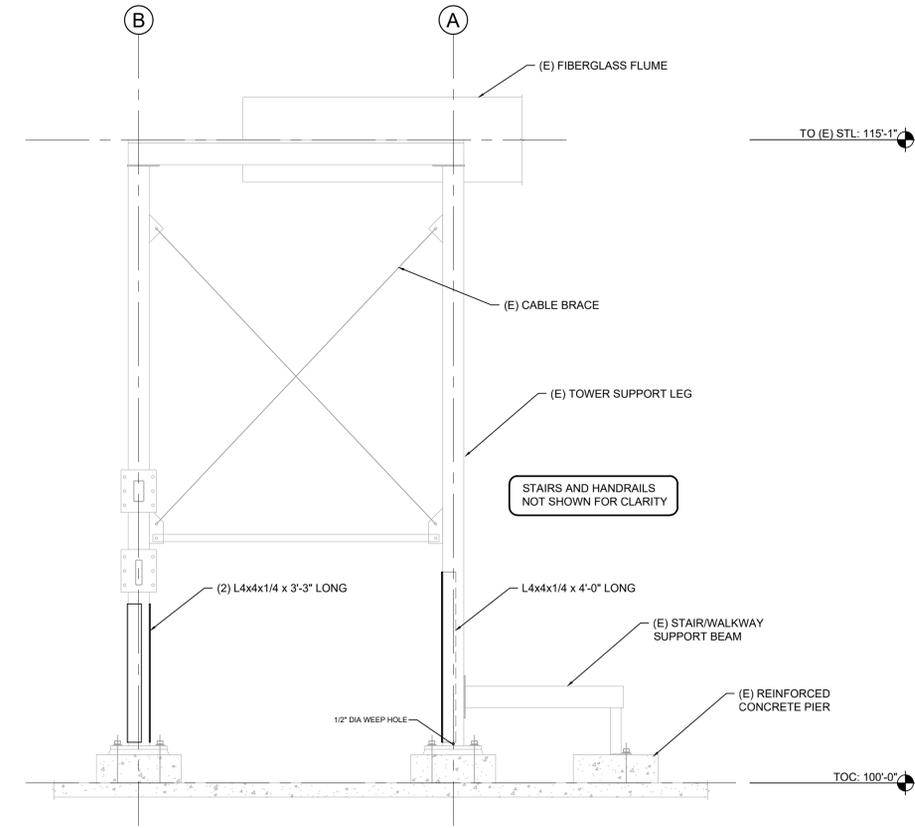
APPROVED BY:
 JIM TATUM
 DIRECTOR OF COMMUNITY SERVICES
 DATE: 1 March 2018

CITY OF BISHOP
 CITY PARK POOL - WATER SLIDE REPAIRS
 FRAMING PLANS
 DETAILS
 CALIFORNIA
 INYO COUNTY

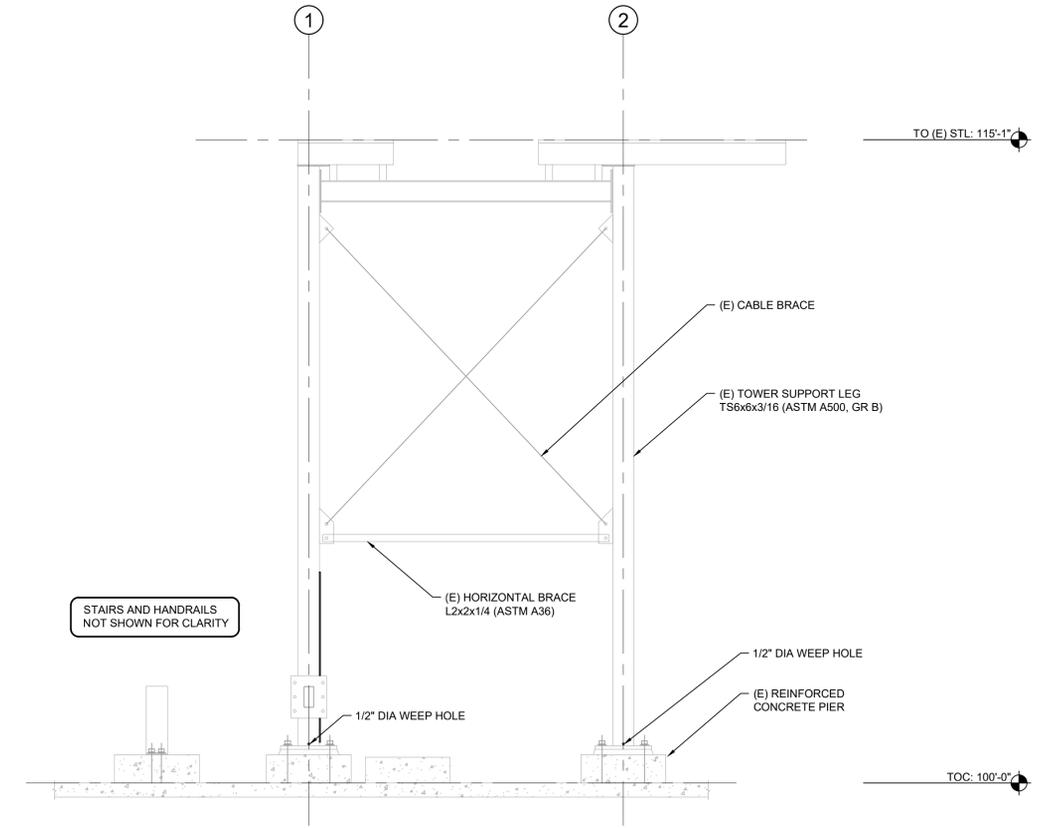
DRAWN: TJL
 CHECKED: TJL
 DATE: 12/19/17
 SCALE: AS SHOWN
 PROJECT NO: 1141706

REV	DATE	DESCRIPTION	APPROV
0	2/24/18	100% DESIGN	TJL

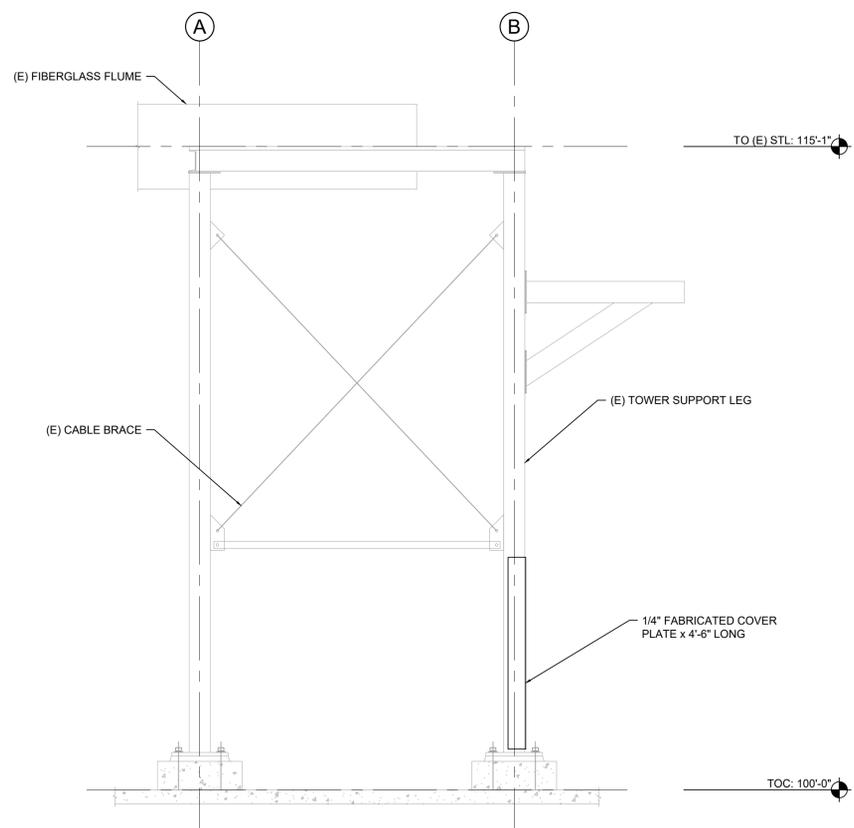
APPROVED BY:
 JIM TATUM
 DIRECTOR OF COMMUNITY SERVICES
 DATE: 1 March 2018



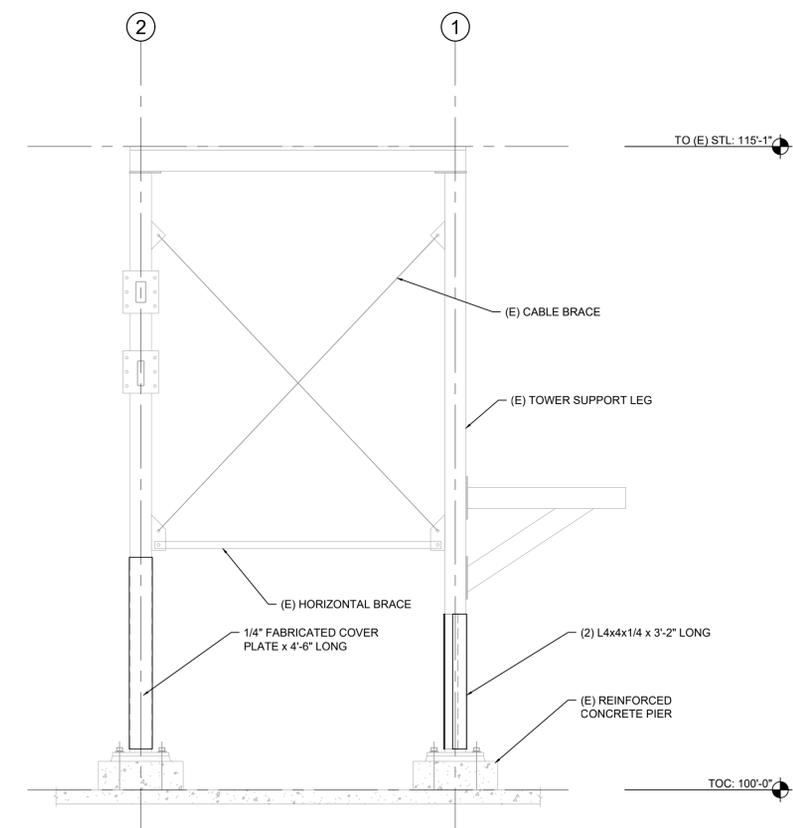
ELEVATION "B"
 SCALE: 1/2" = 1'-0"



ELEVATION "A"
 SCALE: 1/2" = 1'-0"



ELEVATION "D"
 SCALE: 1/2" = 1'-0"

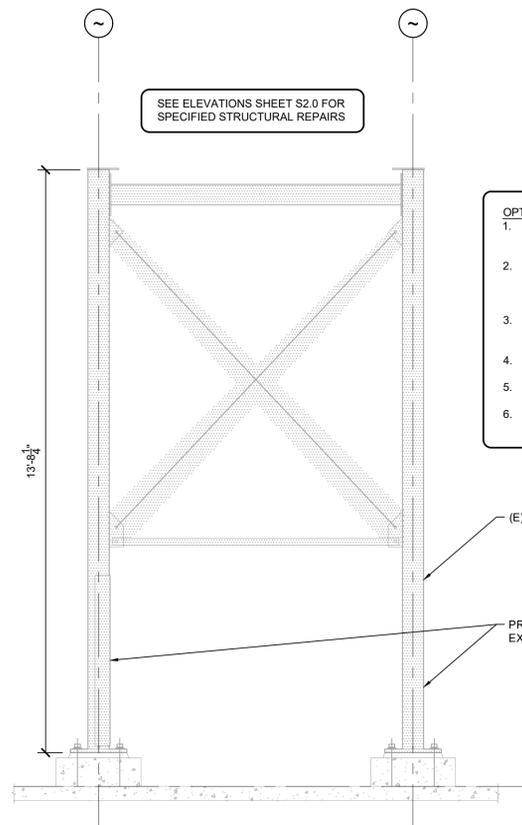


ELEVATION "C"
 SCALE: 1/2" = 1'-0"

CITY OF BISHOP
 CITY PARK POOL - WATER SLIDE REPAIRS
FRAMING ELEVATIONS
 INYO COUNTY CALIFORNIA

DRAWN: TJL
 CHECKED: TJL
 DATE: 12/19/17
 SCALE: AS SHOWN
 PROJECT NO: 1141706

SHEET NO:
S3.0



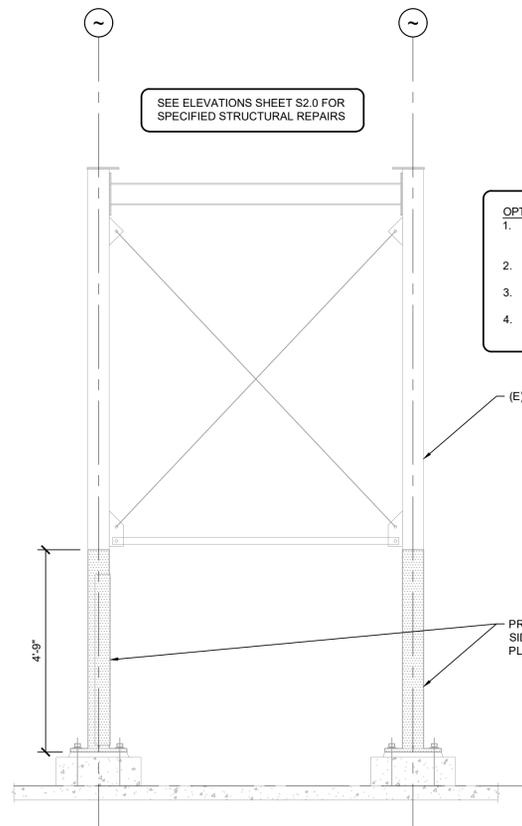
CONSTRUCTION OPTION - 2
SCALE: 1/2" = 1'-0"

- OPTION 2 - FINISHING NOTES:**
- OPTION 2 REQUIRES PAINTING OF ALL EXPOSED STRUCTURAL STEEL SURFACES FOR BOTH THE STAIR SUPPORT TOWER AND FLUME SUPPORT STRUCTURE.
 - CONTRACTOR SHALL REMOVE AND REPLACE ALL GUARDRAILS AND STAIR TREADS AND LANDINGS AS REQUIRED TO ALLOW PAINTING OF ALL EXPOSED SURFACES. ALL FASTENERS SHALL BE REMOVED AND REPLACED WITH NEW TO MATCH (E).
 - CONTRACTOR SHALL SUBMIT A FINISHING PROCEDURE INCLUDING PROPOSED SURFACE PREPARATION AND COATINGS/PAINTING SYSTEM, INCLUDING COLOR SAMPLES FOR REVIEW AND APPROVAL.
 - THE (E) TOWER STRUCTURE CONSISTS OF HOT-DIPPED GALVANIZED STEEL WITH A TOP COAT OF COLOR POLYURETHANE.
 - SURFACE PREPARATION SHALL MINIMIZE DAMAGE TO THE (E) GALVANIZED COATINGS.
 - PAINTING SHALL BE A EPOXY BASED COATING SYSTEM WITH UV INHIBITORS AS REQUIRED.

(E) TOWER SUPPORT LEG

PROVIDE CORROSION RESISTANT COATING TO EACH ALL EXPOSED STRUCTURAL STEEL SUPPORTS AND FRAMING.

BO (E) PLATE: 100'-9-1/2"



CONSTRUCTION OPTION - 1
SCALE: 1/2" = 1'-0"

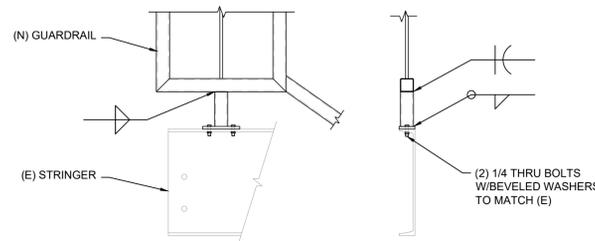
- OPTION 1 - FINISHING NOTES:**
- CONTRACTOR SHALL SUBMIT A FINISHING PROCEDURE INCLUDING PROPOSED SURFACE PREPARATION AND COATINGS/PAINTING SYSTEM, INCLUDING COLOR SAMPLES FOR REVIEW AND APPROVAL.
 - THE (E) TOWER STRUCTURE CONSISTS OF HOT-DIPPED GALVANIZED STEEL WITH A TOP COAT OF COLOR POLYURETHANE.
 - SURFACE PREPARATION SHALL MINIMIZE DAMAGE TO THE (E) GALVANIZED COATINGS.
 - PAINTING SHALL BE A EPOXY BASED COATING SYSTEM WITH UV INHIBITORS AS REQUIRED.

(E) TOWER SUPPORT LEG

PROVIDE CORROSION RESISTANT COATING TO EACH ALL (4) SIDES OF (E) TS COLUMNS, COVER-PLATES AND BASE PLATES AFTER INSTALLATION OF STRUCTURAL REPAIRS.

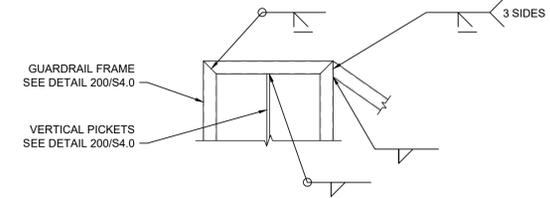
BO (E) STL: 105'-8"

BO (E) PLATE: 100'-9-1/2"



TYPICAL GUARDRAIL FRAME WELDING
SCALE: 1-1/2" = 1'-0"

202
S4.0

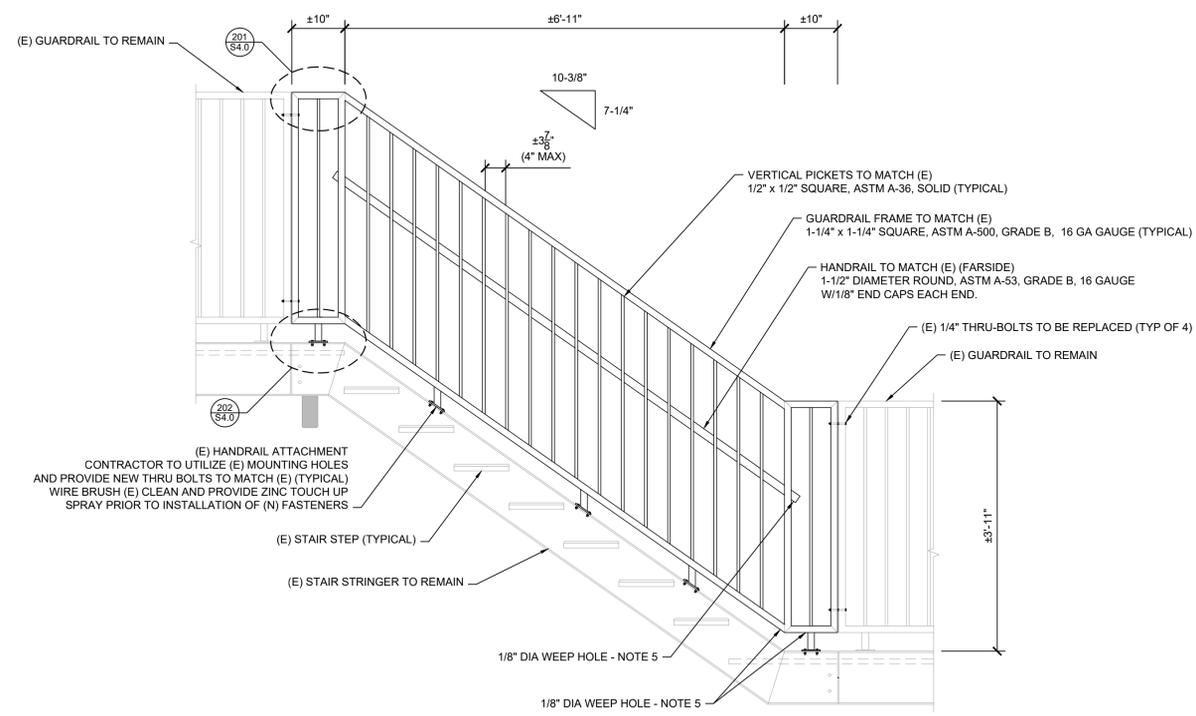


TYPICAL GUARDRAIL FRAME WELDING
SCALE: 1-1/2" = 1'-0"

201
S4.0

- GUARDRAIL/HANDRAIL WELDING AND FABRICATION NOTES:**
- GRIND SMOOTH AND DEBUR ALL WELDS.
 - PROVIDE DUPLEX COATING FOR GUARDRAIL/HANDRAIL SECTION CONSISTING OF HOT-DIP GALVANIZE (ASTM A123), BONDING COAT, AND TOP COAT POLYURETHANE TO MATCH (E). CONTRACTOR TO SUBMIT PROPOSED COATING SYSTEM INCLUDING COLOR FOR REVIEW AND APPROVAL.
 - PRIOR TO GALVANIZING, HANDRAIL SHALL BE FREE OF SURFACE COATINGS OR CONTAMINANTS INCLUDING PETROLEUM BASED MARKERS, PAINTS, LACQUERS, GREASE PENS OR ADHESIVES.
 - WELDING OF HANDRAIL SECTION ASSUMES SINGLE PASS WELDS (GMAW, ER70-3, 0.035" DIA WIRE). CONTRACTOR MAY SUBMIT OTHER PROCESS/PROCEDURE FOR REVIEW AND APPROVAL.
 - PROVIDE 1/8" WEEP HOLES AT BOTTOM OF ALL FABRICATED SECTIONS. CONTRACTOR TO INDICATE WEEP HOLE LOCATIONS ON SHOP DRAWINGS FOR REVIEW AND APPROVAL.

DIMENSIONS SHOWN ARE FOR REFERENCE ONLY - CONTRACTOR TO REMOVE (E) SECTION OF GUARDRAIL AND SHOP FABRICATE TO MATCH (E). NOTIFY ENGINEER AND COORDINATE ANY DISCREPANCIES BETWEEN THE (E) DIMENSIONS OR MATERIALS AND THOSE SHOWN ON THIS DRAWING.



GUARDRAIL SECTION
SCALE: 3/4" = 1'-0"

200
S4.0

REV	DATE	DESCRIPTION	APPROV
0	2/24/18	100% DESIGN	TJL

APPROVED BY:
COMMUNITY SERVICES
for
JIM TATUM
DIRECTOR OF COMMUNITY SERVICES
DATE
1 March 2018

CITY OF BISHOP
CITY PARK POOL - WATER SLIDE REPAIRS
HANDRAIL SECTION, DETAILS
PAINTING NOTES AND BID OPTIONS
INYO COUNTY
CALIFORNIA

DRAWN: TJL
CHECKED: TJL
DATE: 12/19/17
SCALE: AS SHOWN
PROJECT NO: 1141706

SHEET NO:
S4.0