



Department of Public Works
Engineering Division
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June 18, 2014

ADDENDUM NO. 1

CANNONBALL PATH PHASE 5

CONTRACT NO. 7238

Revise and amend the contract document(s) and plans for the above project as stated in this addendum, otherwise the original documents shall remain in effect.

PLANS:

REMOVE SHEET U-1

INSERT SHEET U-1 (Revised 6/17/14)

PROPOSAL:

REVISED 6/17/14: Added Bid Item 90073 Abandon Sanitary Sewer With Slurry

SPECIAL PROVISIONS:

REVISE THE FOLLOWING:

BID ITEM 90071- 12-INCH SANITARY SEWER DITCH CROSSING

Revise as follows:

Under MATERIALS sub-section third bullet:

Delete "0.4375" minimum thickness (See chart on Sheet U-1 for casing thickness requirements)"

Replace with "0.375" minimum thickness"

BID ITEM 90101- PREFABRICATED STEEL TRUSS BRIDGE FURNISHED AND INSTALLED

Revise as follows:

Under DESCRIPTION sub-section, Approved Manufacturers, second listing:

Delete "Echo Bridge, Inc."

Replace with "Cameron BridgeWorks" (No change to address or phone number)

ADD THE FOLLOWING:

BID ITEM 90073 ABANDON SANITARY SEWER WITH SLURRY

DESCRIPTION

Work under this bid item shall include abandoning pipe with low strength concrete slurry in accordance to the Union Pacific Railroad permit requirements. Where concrete slurry is installed throughout the pipe,

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concrete pipe plugs will not be installed.

MATERIALS

Provide slurry conforming to Union Pacific's CLSM (Controlled Low-Strength Material) slurry specification which requires slurry mixes to adhere to the following requirements:

1) The CLSM material shall have an unconfined compressive strength of 50 to 300psi. (Currently, UPRR specifies 300 psi as a standard for abandoned pipeline fill. This strength should provide adequate protection while allowing future removal if necessary.)

2) The mixture shall consist of water, Portland cement, fly ash, and sound fine or coarse aggregate or both.

3) The mix design shall allow adequate flowability without segregation of aggregates.

4) Hardening time is of prime importance and CLSM should develop 50psi in about one hour.

Additional references:

From Portland Cement Association "Cement and Concrete Basics, Controlled Low-Strength Material", www.cement.org

Perform materials testing as required in the Madison Standard Specifications for Public Works Constriction - Latest Edition.

CONSTRUCTION

Provide replacement sanitary sewers and laterals or appropriate bypass pumping prior to abandoning sanitary sewer pipe. These items are not included in this bid item.

Sawcut and remove the ends of the sanitary sewer pipe to be abandoned as necessary to complete the abandonment. The sawcut and removal is incidental to this bid item.

Maintain service in all existing sewers until the replacement sewers or appropriate bypasses, approved the engineer, have been installed, at which time bulkheads or plugs may be placed.

Plug the downstream end of the sanitary sewer pipe to be abandoned. Fill the entire pipe with concrete slurry. Provide vent holes, as directed by the engineer, to verify the slurried pipe is free of air voids.

Access to fill pipelines shall be from off the UPRR right-of-way if possible. If excavation is required for the fill procedure, excavations shall meet requirements for shoring design.

METHOD OF MEASUREMENT

ABANDON SANITARY SEWER WITH SLURRY shall be measured by the cubic yard of slurry, acceptably completed.

BASIS OF PAYMENT

ABANDON SANITARY SEWER WITH SLURRY shall be measured as described above and shall be paid for at the contract which shall be full payment compensation for furnishing all materials, labor, tools, equipment and incidentals necessary to complete this item of work.

[end of special provision]

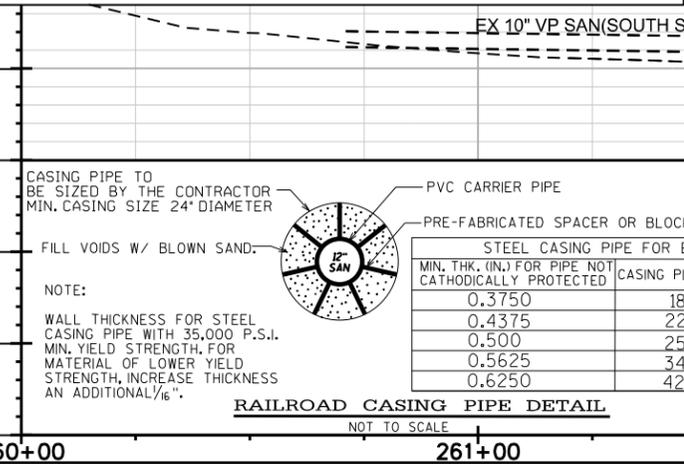
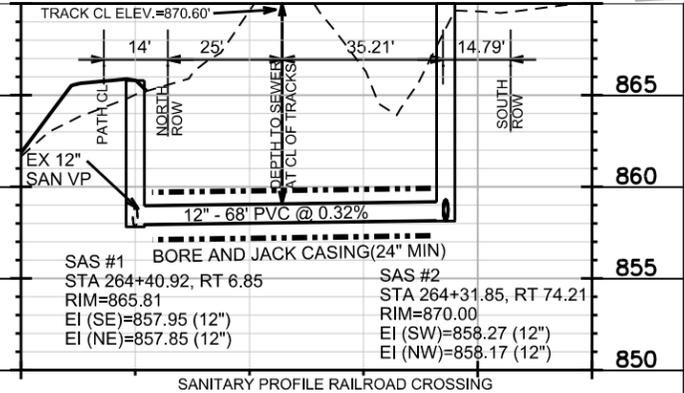
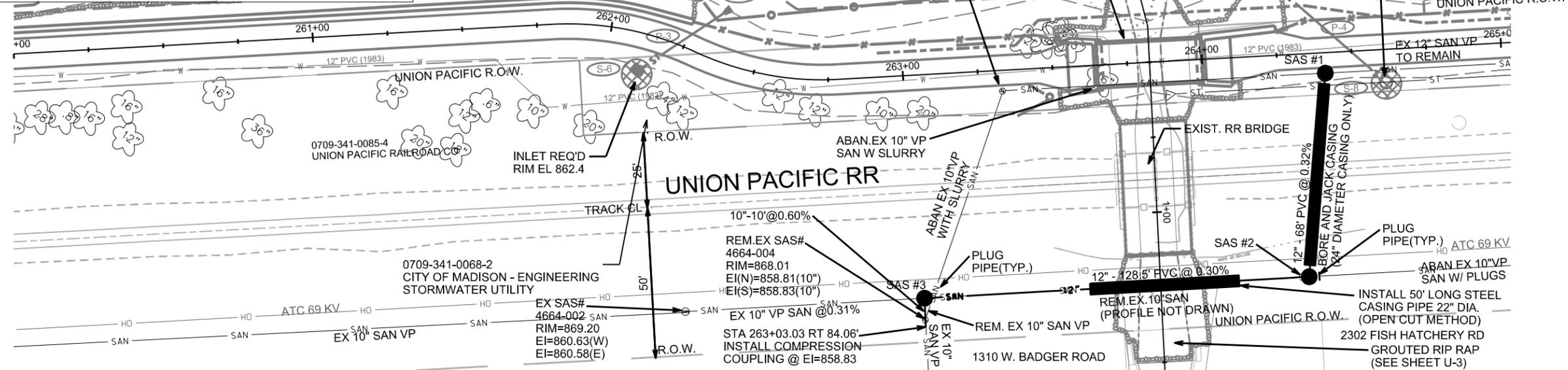
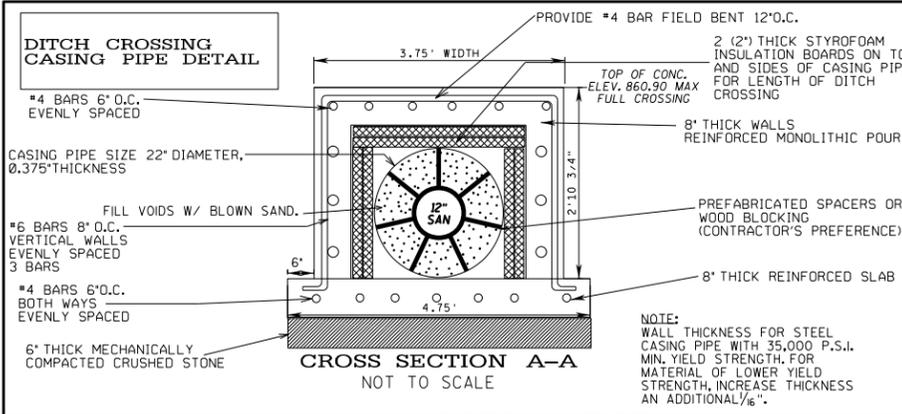
The electronic files on the website have also been updated; please replace any plans or contract documents that were saved or printed off of the web.

Please acknowledge this addendum on Page E-1.

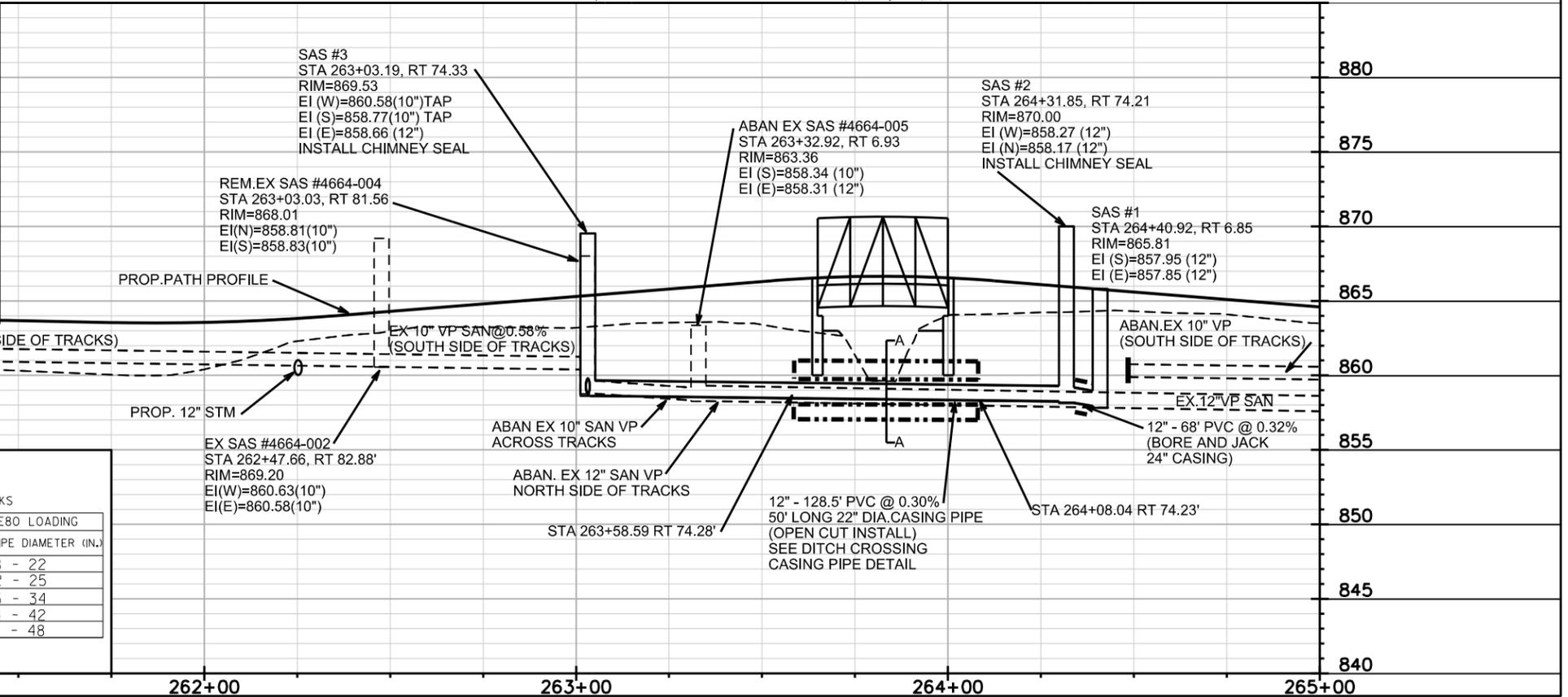
A handwritten signature in black ink, appearing to read "Robert Phillips". The signature is stylized with large, flowing loops and is positioned above a horizontal line.

Robert F. Phillips, P.E.
City Engineer

RFP:jmw



STEEL CASING PIPE FOR E80 LOADING	
MIN. THK. (IN.) FOR PIPE NOT CATHODICALLY PROTECTED	CASING PIPE DIAMETER (IN.)
0.3750	18 - 22
0.4375	22 - 25
0.5000	25 - 34
0.5625	34 - 42
0.6250	42 - 48



PLOT SCALE: REV. DATE: ORIGINATOR: CITY OF MADISON, STREETS DIVISION