

ADDENDUM NO. 1  
TO THE CONTRACT DOCUMENTS  
for the construction of the  
NAMPA WWTP PHASE I UPGRADES:  
GROUP A—LIQUID STREAM UPGRADES

Date: February 13, 2015  
Project No.: 480770

**To All Planholders and/or Prospective Bidders:**

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the construction of the Nampa WWTP Phase I Upgrades: Group A—Liquid Stream Upgrades, dated December 2014, as fully and completely as if the same were fully set forth therein:

A. PART 1, PROCUREMENT REQUIREMENTS

1. Section 00 20 00, Instructions to Bidders: DELETE the third sentence of paragraph 6.1. Specifically, REMOVE the sentence “Bidders are required to attend and participate in the conference”.

B. PART 3, SPECIFICATIONS

1. Volumes 2 and 3 of Specifications: REPLACE the Table of Contents In Volumes 2 and 3 with the Table of Contents from Volume 1 of the Specifications.
2. Section 01 31 30, Construction and Schedule Constraints:
  - a. Paragraph 1.06.F.1: REVISE “TASCO” to “The Amalgamated Sugar Company (TASCO).”
  - b. RELABEL subparagraph “1.06.F.8” to “1.06.F.9”.
  - c. ADD a new paragraph 1.06.F.8 as follows:
    - “8. If a trickling filter is taken offline for more than 24 hours, temporary sprinklers shall be placed to wet the entire surface of the filter to keep the media wet. This will help keep the biofilm active, and reduce the generation of filter flies. Sprinklers shall be supplied water by a temporary pump placed to take suction from either the two outlet pipe vent boxes or from the common outlet pipe junction box, all located within 20 feet of the outside wall of the filters. Sprinklers, temporary piping/hoses, and pumps shall be selected to provide a wetting rate of 0.01 gpm/square foot, or about 320 gpm per filter.”

3. Section 02 41 00, Demolition: ADD subparagraph 3.06.B.9 as follows:  
“9. Aeration Basin 1 and 2 dewatering pumps with their base elbows and slide rail assemblies.”
4. Section 31 23 19.01, Dewatering, Paragraph 3.08.C: DELETE the phrase “as required by discharge permit and”.
5. Section 40 90 00, Instrumentation and Control for Process Systems:
  - a. Supplement, Instrument List, Tag Number 4479PIT: In P&ID column, REVISE P&ID drawing number “080-I-510” to “080-I-512”.
  - b. Supplement, I/O List:
    - 1) ADD Attachment 1, 3095 CCMPEP input/output list<sup>1</sup>.
    - 2) ADD Attachment 2, TFEPS input/output list<sup>2</sup>.
6. Section 44 42 56.03, Vertical Turbine Solids Handling Pumps, Data Sheet, Page 1: ADD “Patterson 24 MPVT” under Manufactures and Products.

C. DRAWINGS

1. Drawing 010-G-005: ADD to the end of General Site Note 13:  
“IF A SEPARATE SPECIFICATION IS PROVIDED IN THESE DOCUMENTS FOR A SPECIFIC ITEM, IT WILL TAKE PRECEDENCE OVER THE ISPWCS AND CITY OF NAMPA SUPPLEMENTS TO THE ISPWCS.”
2. Drawing 010-G-006: CHANGE reference in General Sheet Note A to “010-G-007”.
3. Drawing 010-G-007:
  - a. CHANGE reference in General Sheet Note A to “010-G-006”.
  - b. ADD label to identify the “Trickling Filter Effluent Pump Station”. This is the structure to the south of the Secondary Clarifier No. 2.
4. Drawing 050-CY-100: ADD General Note E:  
“E. AT ALL PIPE CROSSINGS, SEE PIPE TRENCH CROSSING STANDARD DETAIL 3123-120.”
5. Drawing 050-CY-108: CHANGE Keynote 4 to reference “050-CY-303”.

6. Drawing 050-CY-109: DELETE “30” ALP and” from Keynote 4.
7. Drawing 050-CY-114: ADD labels to the “30” RAS” and “24” SI” piping. The 30” RAS is the pipe being extended to the right from the location identified by Keynote 2. The 24” Si lines can be identified from 422-M-111 and 423-M-111 and are indicated by Keynotes 3 and 4.
8. Drawing 050-CY-402 - Section B: ADD label “20” ALP” to identify the two pipes that drop down from the two new tees.
9. Drawing 050-D-109:
  - a. REPLACE Note 8 to read:

“8. RETAIN AND PROTECT PUMP STATION. CAP OR PLUG THE WET WELL WALL PENETRATION FOR THE 4-INCH DI DRAIN LINE FROM AB 1 AND 2 WALKWAY THAT ENTERS PUMP STATION FROM THE SOUTH SIDE AT A DEPTH OF ABOUT 5 FEET.”
  - b. Keynote 21 and 24: CHANGE label from “42” SE” to “42” PE”.
10. Drawing 050-D-301: The maximum excavation slope shown on Sections A, B and C should be labeled and drawn at 1.5H:1V. Disregard the approximate excavation limits shown in the demolition plan sheets.
11. Drawing 050-D-302:
  - a. The maximum excavation slope shown on Sections D and E should be labeled and drawn at 1.5H:1V. Disregard the approximate excavation limits shown in the demolition plan sheets.
  - b. ADD the 30” SI pipe to left hand side of Section D with a callout “30” SI to be demolished”.
12. Drawing 050-D-402, (Keynote 6): CHANGE label from 42” SE to 42” PE.
13. Drawing 050-E-302<sup>3</sup>: REPLACE the Drawing in its entirety.
14. Drawing 371-E-501<sup>4</sup>: REPLACE the Drawing in its entirety.

15. Drawing 371-M-111: ADD a Note 4 as follows:
  - “4. PROVIDE A TEMPORARY 24” STEEL OR HDPE PIPE FOR CLEAN WATER TESTING OFF THE SOUTH END OF THE 48” HEADER AND ROUTE INTO THE SOUTH FUTURE PUMP HOLE. EXTEND DOWN TO 2 FEET OFF BOTTOM OF WET WELL. PROVIDE TEMPORARY SUPPORTS.”
16. Drawing 371-M-301:
  - a. Section A, right hand side: CHANGE the elevation for the 30” TFSE pipe to 2441.40.
  - b. Section B: The leader arrow from the note at the lower right regarding the Hydrocone should point at the cone on the floor of the wet well beneath the pump rather than at the pump inlet bell.
  - c. Section D: CHANGE the valve tag from “3104 PVPEP1” to “3104 FVPEP1”.
17. Drawing 421-M-302, Section B1: CHANGE the drawing reference under the Section B1 bubble from “421-M-111” to “421-M-112”.
18. Drawing 421-M-401, Detail 3: ADD a drawing reference under the Detail 3 bubble to “423-M-301”
19. Drawing 422-M-111: At the NW corner of AB 2, ADD a note as follows:  
“Cut the 4-inch PVC walkway drain line 5 feet inside the wall and remove the 5 feet from that point to the wall. Cap or plug the ductile iron wall pipe on the inside of the basin wall. “
20. Drawing 422-M-302: Section F (lower left side of sheet):
  - a. CHANGE the “18” RAS” callout to “18” SI”.
  - b. CHANGE the Note 3 callout to Note 2.
  - c. CHANGE the Note 2 callout to Note 1.
21. Drawing 423-E-112<sup>5</sup>: REPLACE the Drawing in its entirety.
22. Drawing 423-M-303: CHANGE the sheet reference under the bubble for Section M from “423-M-111” to “423-M-112”.

D. DESIGN DETAILS

1. Design Detail 4091-391<sup>6</sup>: REPLACE the Detail in its entirety.

Additional electronic files have been included with this Addendum. The files are in the format of Adobe Acrobat Portable Document Format (PDF) and capable of being viewed as rotatable images (“Spinners”). Several of the major facilities are included. These spinners are included for the Bidder’s benefit in better understanding the facilities to be constructed. These spinners are not part of the Contract Documents, and should not be used for bidding the work. No technical support is provided for viewing of the images.

All Bidders shall acknowledge receipt and acceptance of this Addendum No. 1 in the Bid Form or by submitting the Addendum with the bid package. Bid Forms submitted without acknowledgment or without this Addendum will be considered in nonconformance.

CH2M HILL

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Project Manager

**END OF ADDENDUM**

Appended hereto and part of Addendum No. 1:

<sup>1</sup> 3095 CCMPEP input/output list

<sup>2</sup> TFEPS input/output list

<sup>3</sup> Drawing 050-E-302

<sup>4</sup> Drawing 371-E-501

<sup>5</sup> Drawing 423-E-112

<sup>6</sup> Design Detail 4091-391

## 3095 CCMPEP INPUT/OUTPUT LIST

Tag Number	PID	I/O	Description	Zero State/ Low Range	One State/ High Range	PLC Address	Rk	St	Pt	Address
3103HIHI	080-I-501	DI	PEPS WET WELL HI LEVEL ALARM	NORMAL	ALARM	3095PLCPEP				TBD
3103LOLO	080-I-501	DI	PEPS WET WELL LOW LEVEL ALARM	NORMAL	ALARM	3095PLCPEP				TBD
3103FAIL	080-I-501	DI	WET WELL HI AND LOW ALARMS DISABLED	NORMAL	ALARM	3095PLCPEP				TBD
3501REM	080-I-501	DI	PRIMARY EFFLUENT PUMP 1 REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
3501ON	080-I-501	DI	PRIMARY EFFLUENT PUMP 1 ON STATUS	OFF	ON	3095PLCPEP				TBD
3501FAIL	080-I-501	DI	PRIMARY EFFLUENT PUMP 1 FAULT ALARM	NORMAL	FAULT	3095PLCPEP				TBD
3501SEALW	080-I-501	DI	PRIMARY EFFLUENT PUMP 1 LOW PRESSURE ALARM	NORMAL	ALARM	3095PLCPEP				TBD
3502REM	080-I-501	DI	PRIMARY EFFLUENT PUMP 2 REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
3502ON	080-I-501	DI	PRIMARY EFFLUENT PUMP 2 ON STATUS	OFF	ON	3095PLCPEP				TBD
3502FAIL	080-I-501	DI	PRIMARY EFFLUENT PUMP 2 FAULT ALARM	NORMAL	FAULT	3095PLCPEP				TBD
3502SEALW	080-I-501	DI	PRIMARY EFFLUENT PUMP 2 LOW PRESSURE ALARM	NORMAL	ALARM	3095PLCPEP				TBD
3503REM	080-I-501	DI	PRIMARY EFFLUENT PUMP 3 REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
3503ON	080-I-501	DI	PRIMARY EFFLUENT PUMP 3 ON STATUS	OFF	ON	3095PLCPEP				TBD
3503FAIL	080-I-501	DI	PRIMARY EFFLUENT PUMP 3 FAULT ALARM	NORMAL	FAULT	3095PLCPEP				TBD
3503SEALW	080-I-501	DI	PRIMARY EFFLUENT PUMP 3 LOW PRESSURE ALARM	NORMAL	ALARM	3095PLCPEP				TBD
3413REM	080-I-501	DI	PEPS SI FLOW CONTROL VALVE 3 REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
3411REM	080-I-501	DI	PEPS SI FLOW CONTROL VALVE 1 REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
3412REM	080-I-501	DI	PEPS SI FLOW CONTROL VALVE 2 REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4439REM	080-I-502	DI	AB1 RAS CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4463REM	080-I-502	DI	AB1 SELECTOR ZONE SI CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4464REM	080-I-502	DI	AB1 FAZ SI CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4460AUTO	080-I-502	DI	AB1 SELECTOR ZONE MIXER 1 AUTO STATUS	LOCAL	AUTO	3095PLCPEP				TBD
4460ON	080-I-502	DI	AB1 SELECTOR ZONE MIXER 1 ON STATUS	OFF	ON	3095PLCPEP				TBD
4460HIGHTEMP	080-I-502	DI	AB1 SELECTOR ZONE MIXER 1 HIGH TEMP ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4460LEAK	080-I-502	DI	AB1 SELECTOR ZONE MIXER 1 LEAK ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4461AUTO	080-I-502	DI	AB1 SELECTOR ZONE MIXER 2 AUTO STATUS	LOCAL	AUTO	3095PLCPEP				TBD
4461ON	080-I-502	DI	AB1 SELECTOR ZONE MIXER 2 ON STATUS	OFF	ON	3095PLCPEP				TBD
4461HIGHTEMP	080-I-502	DI	AB1 SELECTOR ZONE MIXER 2 HIGH TEMP ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4461LEAK	080-I-502	DI	AB1 SELECTOR ZONE MIXER 2 LEAK ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4462AUTO	080-I-502	DI	AB1 FAZ MIXER 1 AUTO STATUS	LOCAL	AUTO	3095PLCPEP				TBD
4462ON	080-I-502	DI	AB1 FAZ MIXER 1 ON STATUS	OFF	ON	3095PLCPEP				TBD
4462HIGHTEMP	080-I-502	DI	AB1 FAZ MIXER 1 HIGH TEMP ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4462LEAK	080-I-502	DI	AB1 FAZ MIXER 1 LEAK ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4421REM	080-I-502	DI	AB1 FAZ ALP CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD

## 3095 CCMPEP INPUT/OUTPUT LIST

Tag Number	PID	I/O	Description	Zero State/ Low Range	One State/ High Range	PLC Address	Rk	St	Pt	Address
4422REM	080-I-503	DI	AB1 AER. ZONE 1 ALP CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4423REM	080-I-503	DI	AB1 AER. ZONE 2 ALP CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4424REM	080-I-503	DI	AB1 AER. ZONE 4 ALP CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4425REM	080-I-503	DI	AB1 AER. ZONE 3 ALP CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4440REM	080-I-504	DI	AB2 RAS CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4466REM	080-I-504	DI	AB2 SELECTOR ZONE SI CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4465REM	080-I-504	DI	AB2 FAZ SI CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4472AUTO	080-I-504	DI	AB2 SELECTOR ZONE MIXER 1 AUTO STATUS	LOCAL	AUTO	3095PLCPEP				TBD
4472ON	080-I-504	DI	AB2 SELECTOR ZONE MIXER 1 ON STATUS	OFF	ON	3095PLCPEP				TBD
4472HIGHTEMP	080-I-504	DI	AB2 SELECTOR ZONE MIXER 1 HIGH TEMP ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4472LEAK	080-I-504	DI	AB2 SELECTOR ZONE MIXER 1 LEAK ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4473AUTO	080-I-504	DI	AB2 SELECTOR ZONE MIXER 2 AUTO STATUS	LOCAL	AUTO	3095PLCPEP				TBD
4473ON	080-I-504	DI	AB2 SELECTOR ZONE MIXER 2 ON STATUS	OFF	ON	3095PLCPEP				TBD
4473HIGHTEMP	080-I-504	DI	AB2 SELECTOR ZONE MIXER 2 HIGH TEMP ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4473LEAK	080-I-504	DI	AB2 SELECTOR ZONE MIXER 2 LEAK ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4474AUTO	080-I-504	DI	AB2 FAZ MIXER 1 AUTO STATUS	LOCAL	AUTO	3095PLCPEP				TBD
4474ON	080-I-504	DI	AB2 FAZ MIXER 1 ON STATUS	OFF	ON	3095PLCPEP				TBD
4474HIGHTEMP	080-I-504	DI	AB2 FAZ MIXER 1 HIGH TEMP ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4474LEAK	080-I-504	DI	AB2 FAZ MIXER 1 LEAK ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4426REM	080-I-504	DI	AB2 FAZ ALP CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4427REM	080-I-505	DI	AB2 AER. ZONE 1 ALP CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4428REM	080-I-505	DI	AB2 AER. ZONE 2 ALP CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4429REM	080-I-505	DI	AB2 AER. ZONE 4 ALP CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4430REM	080-I-505	DI	AB2 AER. ZONE 3 ALP CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4441REM	080-I-506	DI	AB3 RAS CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4470REM	080-I-506	DI	AB3 SELECTOR ZONE SI CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4469REM	080-I-506	DI	AB3 FAZ SI CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4478AUTO	080-I-506	DI	AB3 SELECTOR ZONE MIXER 1 AUTO STATUS	LOCAL	AUTO	3095PLCPEP				TBD
4478ON	080-I-506	DI	AB3 SELECTOR ZONE MIXER 1 ON STATUS	OFF	ON	3095PLCPEP				TBD
4478HIGHTEMP	080-I-506	DI	AB3 SELECTOR ZONE MIXER 1 HIGH TEMP ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4478LEAK	080-I-506	DI	AB3 SELECTOR ZONE MIXER 1 LEAK ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4467AUTO	080-I-506	DI	AB3 SELECTOR ZONE MIXER 2 AUTO STATUS	LOCAL	AUTO	3095PLCPEP				TBD
4467ON	080-I-506	DI	AB3 SELECTOR ZONE MIXER 2 ON STATUS	OFF	ON	3095PLCPEP				TBD
4467HIGHTEMP	080-I-506	DI	AB3 SELECTOR ZONE MIXER 2 HIGH TEMP ALARM	NORMAL	ALARM	3095PLCPEP				TBD

## 3095 CCMPEP INPUT/OUTPUT LIST

Tag Number	PID	I/O	Description	Zero State/ Low Range	One State/ High Range	PLC Address	Rk	St	Pt	Address
4467LEAK	080-I-506	DI	AB3 SELECTOR ZONE MIXER 2 LEAK ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4468AUTO	080-I-506	DI	AB3 FAZ MIXER 1 AUTO STATUS	LOCAL	AUTO	3095PLCPEP				TBD
4468ON	080-I-506	DI	AB3 FAZ MIXER 1 ON STATUS	OFF	ON	3095PLCPEP				TBD
4468HIGHTEMP	080-I-506	DI	AB3 FAZ MIXER 1 HIGH TEMP ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4468LEAK	080-I-506	DI	AB3 FAZ MIXER 1 LEAK ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4431REM	080-I-506	DI	AB3 FAZ ALP CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4432REM	080-I-507	DI	AB3 AER. ZONE 1 ALP CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4433REM	080-I-507	DI	AB3 AER. ZONE 2 ALP CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4434REM	080-I-507	DI	AB3 AER. ZONE 3 ALP CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
4435REM	080-I-507	DI	AB3 AER. ZONE 4 ALP CONTROL VALVE REMOTE STATUS	LOCAL	REMOTE	3095PLCPEP				TBD
3121HITEMP	080-I-510	DI	PEPS ELECTRICAL BUILDING HI TEMP ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4401HITEMP	080-I-510	DI	AB3 UNDERDRAIN PUMP 1 HIGH TEMP ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4401LEAK	080-I-510	DI	AB3 UNDERDRAIN PUMP 1 LEAK ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4401AUTO	080-I-510	DI	AB3 UNDERDRAIN PUMP 1 AUTO STATUS	LOCAL	AUTO	3095PLCPEP				TBD
4401ON	080-I-510	DI	AB3 UNDERDRAIN PUMP 1 ON STATUS	OFF	ON	3095PLCPEP				TBD
4402HITEMP	080-I-510	DI	AB3 UNDERDRAIN PUMP 2 HIGH TEMP ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4402LEAK	080-I-510	DI	AB3 UNDERDRAIN PUMP 2 LEAK ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4402AUTO	080-I-510	DI	AB3 UNDERDRAIN PUMP 2 AUTO STATUS	LOCAL	AUTO	3095PLCPEP				TBD
4402ON	080-I-510	DI	AB3 UNDERDRAIN PUMP 2 ON STATUS	OFF	ON	3095PLCPEP				TBD
4455HILEVEL	080-I-510	DI	AB3 UNDERDRAIN PUMP STATION HIGH LEVEL ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4456LOLEVEL	080-I-510	DI	AB3 UNDERDRAIN PUMP STATION LOW LEVEL ALARM	NORMAL	ALARM	3095PLCPEP				TBD
4874NORMALPOS	080-I-510	DI	AUTOMATIC TRANSFER SWITCH NORMAL STATUS	DE-ENERGIZEI	NORMAL	3095PLCPEP				TBD
4874STANDBYPOS	080-I-510	DI	AUTOMATIC TRANSFER SWITCH STANDBY STATUS	DE-ENERGIZEI	STANDBY	3095PLCPEP				TBD
4874POWERLOSS	080-I-510	DI	AUTOMATIC TRANSFER SWITCH POWER LOSS ALARM	NORMAL	ALARM	3095PLCPEP				TBD
3126OPEN	080-I-511	DI	COLLECTION BOX 3 PEPS INLET GATE OPEN STATUS	NOT OPEN	OPEN	3095PLCPEP				TBD
3126CLOSED	080-I-511	DI	COLLECTION BOX 3 PEPS INLET GATE CLOSED STATUS	NOT CLOSED	CLOSED	3095PLCPEP				TBD
3113ALARM	080-I-511	DI	3113UPS ALARM	NORMAL	ALARM	3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD



## 3095 CCMPEP INPUT/OUTPUT LIST

Tag Number	PID	I/O	Description	Zero State/ Low Range	One State/ High Range	PLC Address	Rk	St	Pt	Address
		DI	SPARE			3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD
		DI	SPARE			3095PLCPEP				TBD
3501RUN	080-I-501	DO	PRIMARY EFFLUENT PUMP 1 RUN COMMAND	STOP	RUN	3095PLCPEP				TBD
3502RUN	080-I-501	DO	PRIMARY EFFLUENT PUMP 2 RUN COMMAND	STOP	RUN	3095PLCPEP				TBD
3503RUN	080-I-501	DO	PRIMARY EFFLUENT PUMP 3 RUN COMMAND	STOP	RUN	3095PLCPEP				TBD
4460RUN	080-I-502	DO	AB1 SELECTOR ZONE MIXER 1 RUN COMMAND	STOP	RUN	3095PLCPEP				TBD
4461RUN	080-I-502	DO	AB1 SELECTOR ZONE MIXER 2 RUN COMMAND	STOP	RUN	3095PLCPEP				TBD
4462RUN	080-I-502	DO	AB1 FAZ MIXER 1 RUN COMMAND	STOP	RUN	3095PLCPEP				TBD
4472RUN	080-I-504	DO	AB2 SELECTOR ZONE MIXER 1 RUN COMMAND	STOP	RUN	3095PLCPEP				TBD
4473RUN	080-I-504	DO	AB2 SELECTOR ZONE MIXER 2 RUN COMMAND	STOP	RUN	3095PLCPEP				TBD
4474RUN	080-I-504	DO	AB2 FAZ MIXER 1 RUN COMMAND	STOP	RUN	3095PLCPEP				TBD
4478RUN	080-I-506	DO	AB3 SELECTOR ZONE MIXER 1 RUN COMMAND	STOP	RUN	3095PLCPEP				TBD
4467RUN	080-I-506	DO	AB3 SELECTOR ZONE MIXER 2 RUN COMMAND	STOP	RUN	3095PLCPEP				TBD
4468RUN	080-I-506	DO	AB3 FAZ MIXER 1 RUN COMMAND	STOP	RUN	3095PLCPEP				TBD
4401RUN	080-I-510	DO	AB3 UNDERDRAIN PUMP 1 RUN COMMAND	STOP	RUN	3095PLCPEP				TBD
4402RUN	080-I-510	DO	AB3 UNDERDRAIN PUMP 2 RUN COMMAND	STOP	RUN	3095PLCPEP				TBD
		DO	SPARE							
		DO	SPARE							
		DO	SPARE							
		DO	SPARE							
		DO	SPARE							
		DO	SPARE							
		DO	SPARE							
		DO	SPARE							
3072LEVEL	080-I-501	AI	PRIMARY EFFLUENT PUMP STATION LEVEL SIGNAL 1	0 FEET	30 FEET	3095PLCPEP				TBD

## 3095 CCMPEP INPUT/OUTPUT LIST

Tag Number	PID	I/O	Description	Zero State/ Low Range	One State/ High Range	PLC Address	Rk	St	Pt	Address
3073LEVEL	080-I-501	AI	PRIMARY EFFLUENT PUMP STATION LEVEL SIGNAL 2	0 FEET	30 FEET	3095PLCPEP				TBD
3501SPEED	080-I-501	AI	PRIMARY EFFLUENT PUMP 1 SPEED SIGNAL	0% SPEED	100% SPEED	3095PLCPEP				TBD
3502SPEED	080-I-501	AI	PRIMARY EFFLUENT PUMP 2 SPEED SIGNAL	0% SPEED	100% SPEED	3095PLCPEP				TBD
3503SPEED	080-I-501	AI	PRIMARY EFFLUENT PUMP 3 SPEED SIGNAL	0% SPEED	100% SPEED	3095PLCPEP				TBD
3112PRESS	080-I-501	AI	PEPS HEADER PRESSURE SIGNAL	0 PSIG	15 PSIG	3095PLCPEP				TBD
3413POS	080-I-501	AI	PEPS SI FLOW CONTROL VALVE 3 POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
3411POS	080-I-501	AI	PEPS SI FLOW CONTROL VALVE 1 POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
3412POS	080-I-501	AI	PEPS SI FLOW CONTROL VALVE 2 POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
4436FLOW	080-I-502	AI	AB1 RAS FLOW SIGNAL	0 GPM	15 MGD	3095PLCPEP				TBD
4439POS	080-I-502	AI	AB1 RAS CONTROL VALVE POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
4404FLOW	080-I-502	AI	AB1 SELECTOR ZONE SI FLOW SIGNAL	0 GPM	15 MGD	3095PLCPEP				TBD
4463POS	080-I-502	AI	AB1 SELECTOR ZONE SI CONTROL VALVE POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
4403FLOW	080-I-502	AI	AB1 FAZ SI FLOW SIGNAL	0 GPM	15 MGD	3095PLCPEP				TBD
4464POS	080-I-502	AI	AB1 FAZ SI CONTROL VALVE POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
4416DO	080-I-502	AI	AB1 FAZ DISSOLVED OXYGEN SIGNAL	0 PPM	10 PPM	3095PLCPEP				TBD
4416TEMP	080-I-502	AI	AB1 FAZ MIXED LIQUOR TEMPERATURE	30 DEGREES F	80 DEGREES F	3095PLCPEP				TBD
4409FLOW	080-I-502	AI	AB1 FAZ ALP FLOW SIGNAL	0 SCFM	7500 SCFM	3095PLCPEP				TBD
4421POS	080-I-502	AI	AB1 FAZ ALP CONTROL VALVE POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
4417DO1	080-I-503	AI	AB1 AEROBIC ZONE 1 DISSOLVED OXYGEN SIGNAL	0 PPM	10 PPM	3095PLCPEP				TBD
4417DO2	080-I-503	AI	AB1 AEROBIC ZONE 2 DISSOLVED OXYGEN SIGNAL	0 PPM	10 PPM	3095PLCPEP				TBD
4418DO3	080-I-503	AI	AB1 AEROBIC ZONE 3 DISSOLVED OXYGEN SIGNAL	0 PPM	10 PPM	3095PLCPEP				TBD
4418DO4	080-I-503	AI	AB1 AEROBIC ZONE 4 DISSOLVED OXYGEN SIGNAL	0 PPM	10 PPM	3095PLCPEP				TBD
4412FLOW	080-I-503	AI	AB1 AEROBIC ZONE 1 ALP FLOW SIGNAL	0 SCFM	7500 SCFM	3095PLCPEP				TBD
4422POS	080-I-503	AI	AB1 AEROBIC ZONE 1 ALP CONTROL VALVE POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
4413FLOW	080-I-503	AI	AB1 AEROBIC ZONE 2 ALP FLOW SIGNAL	0 SCFM	1500 SCFM	3095PLCPEP				TBD
4423POS	080-I-503	AI	AB1 AEROBIC ZONE 2 ALP CONTROL VALVE POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
4414FLOW	080-I-503	AI	AB1 AEROBIC ZONE 3 ALP FLOW SIGNAL	0 SCFM	1500 SCFM	3095PLCPEP				TBD
4424POS	080-I-503	AI	AB1 AEROBIC ZONE 3 ALP CONTROL VALVE POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
4415FLOW	080-I-503	AI	AB1 AEROBIC ZONE 4 ALP FLOW SIGNAL	0 SCFM	1500 SCFM	3095PLCPEP				TBD
4425POS	080-I-503	AI	AB1 AEROBIC ZONE 4 ALP CONTROL VALVE POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
4420FLOW	080-I-504	AI	AB2 RAS FLOW SIGNAL	0 GPM	15 MGD	3095PLCPEP				TBD
4440POS	080-I-504	AI	AB2 RAS CONTROL VALVE POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
4406FLOW	080-I-504	AI	AB2 SELECTOR ZONE SI FLOW SIGNAL	0 GPM	15 MGD	3095PLCPEP				TBD
4466POS	080-I-504	AI	AB2 SELECTOR ZONE SI CONTROL VALVE POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
4405FLOW	080-I-504	AI	AB2 FAZ SI FLOW SIGNAL	0 GPM	15 MGD	3095PLCPEP				TBD

## 3095 CCMPEP INPUT/OUTPUT LIST

Tag Number	PID	I/O	Description	Zero State/ Low Range	One State/ High Range	PLC Address	Rk	St	Pt	Address
4465POS	080-I-504	AI	AB2 FAZ SI CONTROL VALVE POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
4419DO	080-I-504	AI	AB2 FAZ DISSOLVED OXYGEN SIGNAL	0 PPM	10 PPM	3095PLCPEP				TBD
4410FLOW	080-I-504	AI	AB2 FAZ ALP FLOW SIGNAL	0 SCFM	7500 SCFM	3095PLCPEP				TBD
4410TEMP	080-I-504	AI	AB1 FAZ MIXED LIQUOR TEMPERATURE	30 DEGREES F	80 DEGREES F	3095PLCPEP				TBD
4426POS	080-I-504	AI	AB2 FAZ ALP CONTROL VALVE POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
4444DO1	080-I-505	AI	AB2 AEROBIC ZONE 1 DISSOLVED OXYGEN SIGNAL	0 PPM	10 PPM	3095PLCPEP				TBD
4444DO2	080-I-505	AI	AB2 AEROBIC ZONE 2 DISSOLVED OXYGEN SIGNAL	0 PPM	10 PPM	3095PLCPEP				TBD
4445DO3	080-I-505	AI	AB2 AEROBIC ZONE 3 DISSOLVED OXYGEN SIGNAL	0 PPM	10 PPM	3095PLCPEP				TBD
4445DO4	080-I-505	AI	AB2 AEROBIC ZONE 4 DISSOLVED OXYGEN SIGNAL	0 PPM	10 PPM	3095PLCPEP				TBD
4437FLOW	080-I-505	AI	AB2 AEROBIC ZONE 1 ALP FLOW SIGNAL	0 SCFM	7500 SCFM	3095PLCPEP				TBD
4427POS	080-I-505	AI	AB2 AEROBIC ZONE 1 ALP CONTROL VALVE POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
4438FLOW	080-I-505	AI	AB2 AEROBIC ZONE 2 ALP FLOW SIGNAL	0 SCFM	1500 SCFM	3095PLCPEP				TBD
4428POS	080-I-505	AI	AB2 AEROBIC ZONE 2 ALP CONTROL VALVE POSITION SIGNAL	0% OPEN	100% OPEN	3095PLCPEP				TBD
4442FLOW	080-I-505	AI	AB2 AEROBIC ZONE 3 ALP FLOW SIGNAL	0 SCFM	1500 SCFM	3095PLCPEP				TBD

**EXISTING TFEPS PLC NEW INPUT/OUTPUT LIST**

Tag Number	PID	I/O	Description	Zero State/ Low Range	One State/ High Range	PLC Address	Rk	St	Pt	Address
3109FLOW	080-I-511	AI	SECONDARY CLARIFIER 2 EFFLUENT FLOW	0 MGD	15 MGD	4483PLCBB				TBD
3217FLOW	080-I-511	AI	SECONDARY CLARIFIER 2 SLUDGE FLOW	0 GPM	700 GPM	4483PLCBB				TBD
		AI	SPARE			4483PLCBB				
		AI	SPARE			4483PLCBB				

**GENERAL SHEET NOTES**

A. FOR BLOCK DIAGRAMS, SEE DWG 050-E-510.

**SHEET KEYNOTES**

1. MOUNT PHOSPHORUS ANALYZER AND TRANSMITTER ON WALL 5 FEET AFF.
2. MOUNT FILTER PROBE MINIMUM OF 24" AWAY FROM WALL. SUPPORT FILTER PROBE FROM BRACKET LOCATED ABOVE GRATING.
3. PROVIDE REMOVABLE GRATING OPENING IN EXISTING GRATING TO EASILY REMOVE FILTER PROBE. SEE GRATING OPENING DETAIL.
4. SUPPORT TUBING AND CABLE FROM 4457CS TO 4457AE ON WALL.

ORIGINAL DOCUMENT SIGNED BY REGISTRANT ON DECEMBER 16, 2014.



ORIGINAL DOCUMENT STORED AT CH2MHILL/BOISE, ID.

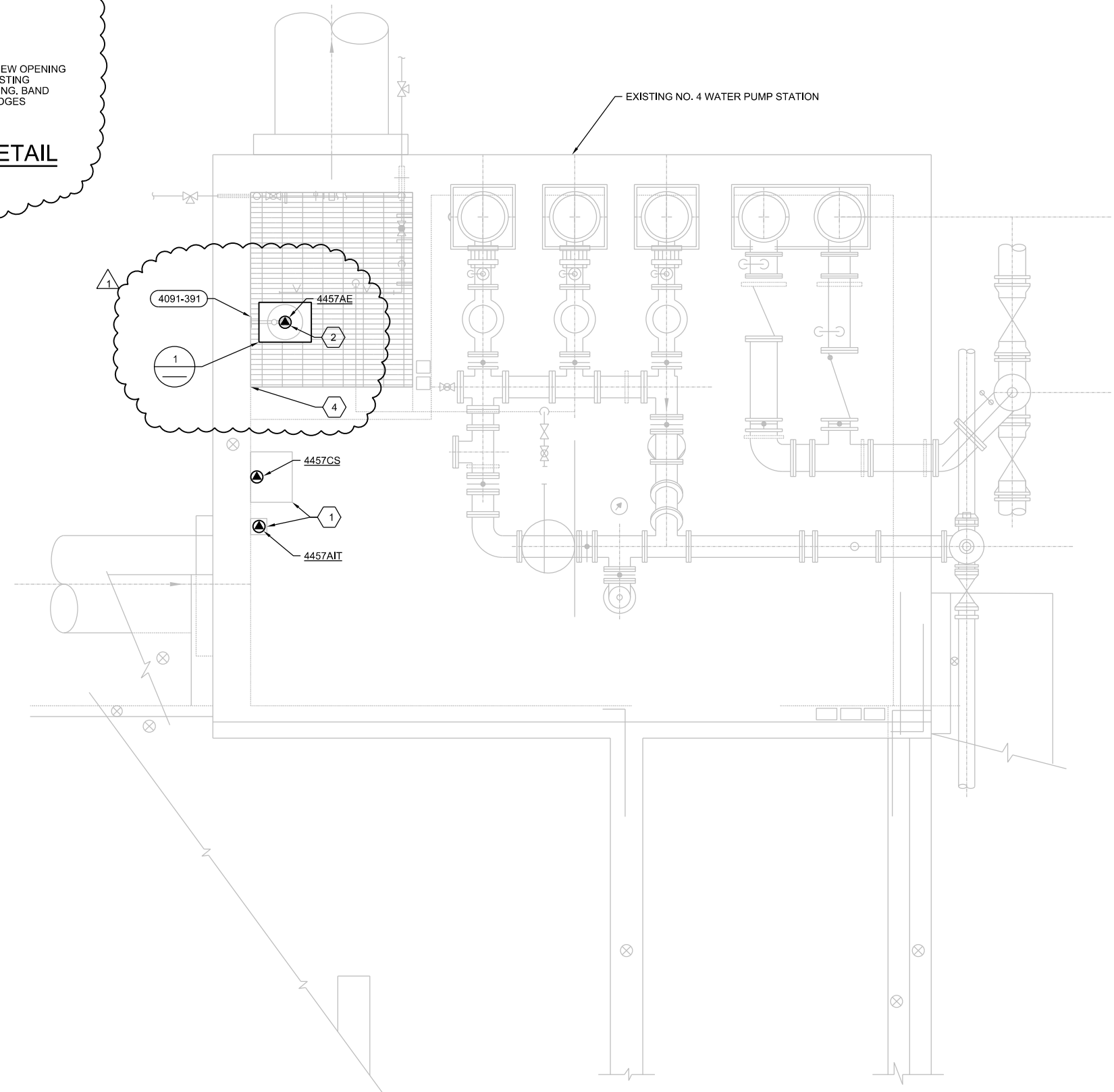
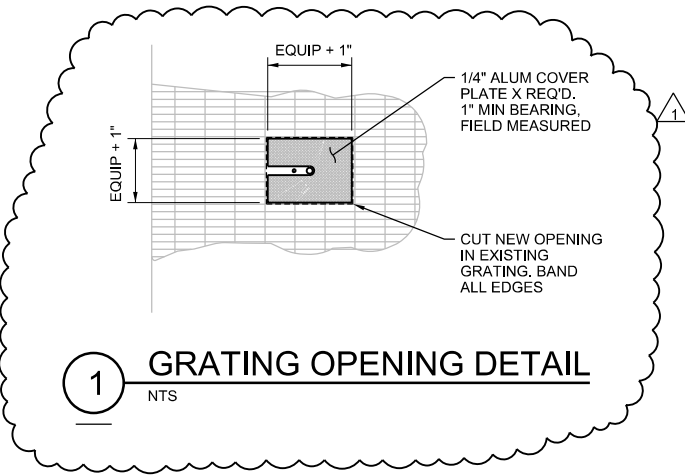
GT	BY	APVD
TP	BY	APVD
REVISION	CHK	APVD
NO.	DATE	DGN
1	2015/02/10	ADDENDUM 1
DR	T. PALIN	
CHK	M. RARDIN	
APVD	M. MACROSTIE	
APVD	G. THOMPSON	

NAMPA WWTP PHASE 1 UPGRADES  
PROJECT GROUP A  
CITY OF NAMPA  
NAMPA, IDAHO

**ENLARGED YARD ELECTRICAL PLAN**

AS NOTED	
VERIFY SCALE	
BAR IS ONE INCH ON ORIGINAL DRAWING.	
DATE	DECEMBER 2014
PROJ	480770
DWG	050-E-302
SHEET	60 of 157

BID DOCUMENTS



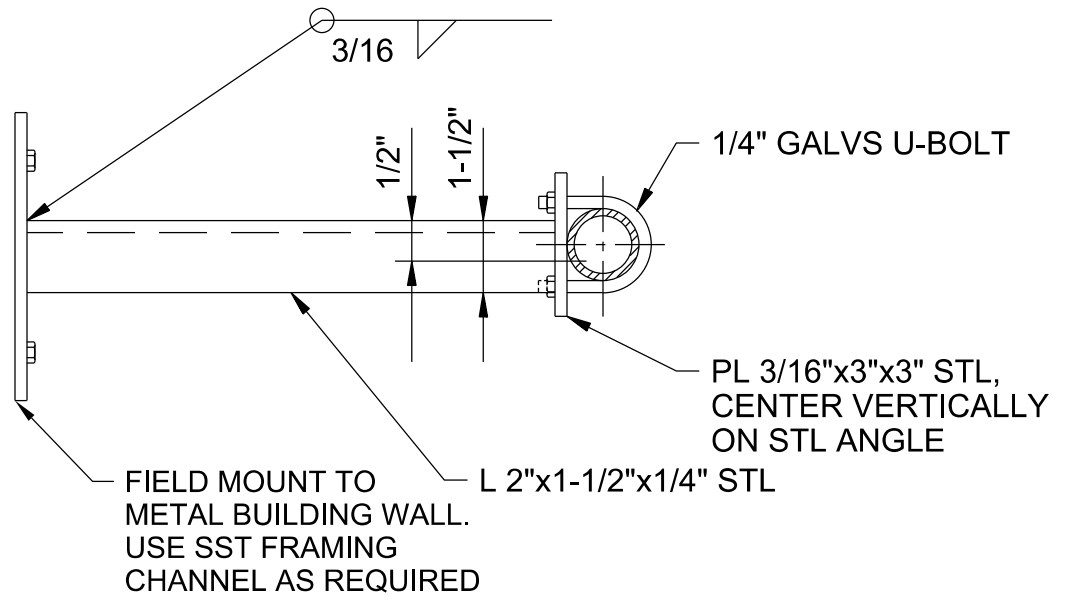
**ENLARGED YARD ELECTRICAL PLAN**  
1/2"=1'-0"



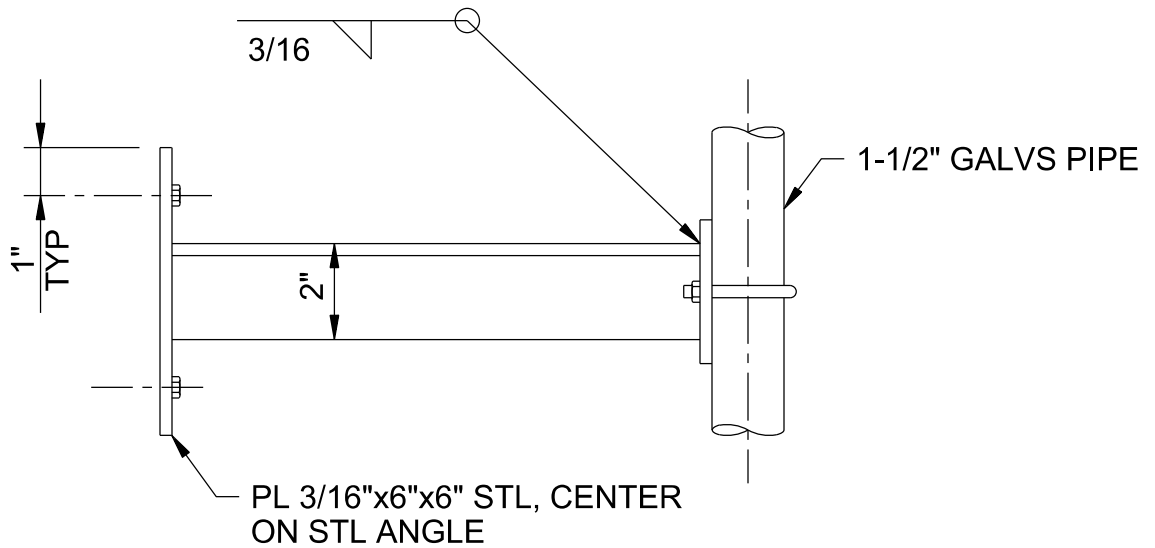
A  
B  
C  
D







PLAN



ELEVATION

**SUPPORT BRACKET**

NTS

4091-391

**CH2MHILL**