

Change Order Request



Project name:

PFAS Well 15

Requested by:

AECOM

Date:

8/12/2025

Request name:

Field Order 11- Curb at Generator Area

Request number:

FO#11

Change description:

Curb added and additional grading required to slope drainage away from building, generator, and retaining wall.

Change reason:

Drainage from grade and also roof downspout were washing out retaining wall on adjacent property

Proposed action:

Install curb, regrade, pave so drainage flows away from generator area

Associated cost:

combined total: 9,785.55

~~\$9,793.00~~

Approved by:

Date:

Revised for SDWLP CO Eligibility -
\$1,280.00 (GC materials cost)
\$5,108.17 (GC labor cost)
\$958.23 (15% GC markup)
\$7,346.40 (total GC performed cost)

Revised for SDWLP CO Eligibility -
\$2,020.00 (subcontractor cost)
\$303.00 (15% subcontractor markup)
\$116.15 (5% GC markup)
\$2,439.15 (total sub-performed CO cost)

Project Name:		PFAS WELL 15			FO #:	11
Material	Quantity	UOM	Material Type	Unit Price	Total	Credit
	1	LS	Minimum Load Concrete	\$450.00	\$450.00	
	1	LS	Load of Gravel Base	\$330.00	\$330.00	
	1	LS	Landscaping Rock	\$500.00	\$500.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
Sales Tax				0.0%	\$0.00	
Material Cost					\$1,280.00	
GC OH&Profit				15%	\$225.88	
Material Total					\$1,505.88	

Labor	Total	Crew Rate	Hours	Description	Crew Size	Labor Type	Total MH
	\$447.89	\$111.97	4	Supervising workforce	1	Supervisor	56
	\$1,500.00	\$187.50	8	Remove Asphalt, Regrade	2	Equipment Operator	
	\$2,871.68	\$179.48	16	Form and Pour Concrete Curb	2	Cement Finisher	
	\$288.60	\$72.15	4	Assist with forming, rebar install, cleanup	1	Laborer	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
\$5,108.17				Cost			
\$901.44		15%		GC OH&Profit			
\$6,009.61				Total			

Tools & Equipment	Name	Hours	Rate	Cost	Total Eq. Hours
	-	0	\$0.00	\$0.00	0
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
Cost				\$0.00	
GC OH&Profit				\$0.00	15%
Total				\$0.00	

Subcontractors	Name	Trade/Specialty	Cost
	Wolf Paving	Paving	\$2,020.00
Cost			\$2,020.00
Subcontractor Markup			\$151.50
Total			\$2,171.50

Summary	Cost Summary		Totals Summary	
	Material	\$1,280.00	Cost	\$8,408.17
	Labor	\$5,108.17	Sub Markup	\$151.50 7.5%
	Equipment	\$0.00	GC OH&P	\$1,127.32 15%
	Subcontractors	\$2,020.00	Bond	\$105.10 1.25%
	Total Cost:	\$8,408.17	Total CO:	\$9,792.10
			\$9,793.00	

Revised for SDWLP GC Eligibility
\$1,280.00 (GC materials cost)
\$5,108.17 (GC)
\$598.92 (5% GC markup)
\$12,577.32 (total CO cost)



WOLF PAVING CO., INC
1320 Walnut Ridge Drive, Suite 100
Hartland, WI 53029

WOLF PAVING & EXCAVATING OF MADISON, INC.
5423 Reiner Rd
Sun Prairie, WI 53590

WWW.WOLFPAVING.COM

To:	Daniels Construction Co Inc	Contact:	Jacob Cates
Address:	919 Applegate Road Madison, WI 53713	Phone:	(608) 271-4800
		Fax:	(608) 271-4570
CO Name:	Additional Area	CO ID:	CO 1
Project Location:	3900 East Washington Ave, Madison, WI	CO Date:	2/8/2024

Item #	Item Description
CO 1.0	Mill Existing ADDITIONAL 65 SY Of Asphalt Pavement 1.75"
CO 1.1	Pave Additional 65 SY Of 1.75" Surface Course 4 LT S Mix Type And 30 SY Of Additional 2" Binder Course In The Same Mobilization

Total Bid Price: \$2,020.00

Notes:

- **Estimator Notes:** <Enter bids notes here, do not remove blank lines>
- **Parties:** Wolf Paving Co., Inc./Wolf Paving & Excavating of Madison, Inc. ("Wolf" or "Wolf Paving") and the Customer (identified below) hereby mutually agree to be bound by these General Terms and Conditions ("Terms"), which are made part of and incorporated into the foregoing Proposal. These Terms and the Proposal are collectively referenced below as "the Agreement" or "this Agreement".
- **Customer Obligations:** Customer shall be solely responsible for the following:
 - Providing Wolf with specifications and plans for the work to be performed by Wolf under this Agreement (the "Specifications"), and said Specifications shall be subject to Wolf's approval;
 - Back filling all edges of paved areas;
 - Notifying Wolf of the presence of any underground utilities or other concealed conditions that would not be identified by a Digger's Hotline search and identification and/or unusual conditions or restrictions during excavation;
 - Furnishing Wolf with a suitable subgrade/aggregate base having the ability to support the maximum axle loads transmitted from the heaviest construction and/or vehicle traffic anticipated as to not to cause any deformation to the subgrade/aggregate base;
 - Rough grading the subgrade within +/- 0.1' of the proposed plan subgrade elevations;
 - If the Proposal provides for completion of fine grading by Wolf, furnishing a subgrade to within +/- 0.1' of the proposed plan aggregate base course elevations;
 - Arranging for any changes in landscaping needed to insure proper drainage flow from the project site;
 - Securing all necessary permits and approvals required by any regulatory agencies to perform Wolf's work (collectively the "Permits"); and
 - All requirements imposed by any regulatory agency and/or pertaining to compliance with any such Permits.
- **Work of Others:** Prior to Wolf commencing its work, the work of all others shall be completed to an extent that it will not in any way conflict or interfere with Wolf's operations or timely completion of Wolf's work. In the event Wolf is directed to begin operations prior to completion of any other contractor's work, Customer shall pay Wolfs' costs related to any additional mobilizations or reduced productivity attributable to obstructions or delays caused by the failure to complete the work of others prior to commencement of Wolf's work.
- **Site Drainage:** Wolf reserves the right to refuse to perform the paving work unless minimum grades of 2.0% are attainable for surface drainage. If Customer directs construction with less than a minimum of grade of 2.0% or if the Specifications do not provide for 2.0% drainage in all directions, it is understood and agreed that water ponding may occur and that no warranty will attach to the paving work.
- **Fine Grading of Aggregate/Unforeseen Conditions:** If the surface to be paved is to be fine graded by Customer or others, Wolf may require additional work to said surface, at Customer's sole cost, to correct deficiencies in the surface for stability, surface drainage, slope, elevation and other matters. In addition, in the event that a proof roll conducted by Wolf identifies "soft spots" in the aggregate base of the project site, such aggregate base will need to be stabilized at the sole cost of Customer; provided, however, any additional work to provide aggregate base stabilization will not be performed without the Customer's written consent.

- **Limitations of Scope of Work:** Notwithstanding any other provision of the Agreement to the contrary, Wolf shall not be responsible for the following:
 - Damage, restoration and/or changes to landscaping as a result of project preparation, execution or completion or base course repairs of landscaping restoration;
 - Insuring the proper continuation of drainage flow from the project site;
 - Movement or damage to any concrete, retaining walls, pavers or other structures during excavation or compaction on or near the project site;
 - Pavement damage due to normal construction equipment traffic;
 - Damage to any unmarked underground utilities;
 - Redesigning of plan grades in order to establish a minimum grade of 2.0% for surface drainage.
- **Change Orders/Changed Conditions:** Any changes to the scope of Wolf's work or any changes to the project conditions which require adjustment in the price of Wolf's work under this Agreement must be documented in written change order signed by Customer and Wolf prior to commencement of any extra work by Wolf.
- **Acceptance of Materials:** All labor and materials are conclusively accepted as satisfactory unless written objection is submitted to Wolf within seven (7) days of performance.
- **Termination/Cancellation:** Customer has the right to unilaterally cancel performance of this Agreement by notifying Wolf within three (3) business days after executing this Agreement. If Customer terminates this Agreement at any time after said three (3) day period, Wolf shall be entitled to retain all payments made before the date written notice of termination is received by Wolf and to be paid all sums owed for all other portions of Wolf's work that has been performed but not yet paid for or invoiced, along with an administrative fee in the amount of 10% of the total price for Wolf's work.
- **No Liquidated Damages:** Wolf shall not be liable under any circumstances for actual, special, consequential and/or incidental damages of any kind should Wolf's progress be substantially delayed by unanticipated changes, omissions or additions, by fire or other unavoidable casualty, by unusually severe weather conditions, or by strikes, labor trouble or lockouts not caused by the acts of Wolf or any supplier of Wolf, by reason of acts, omissions, neglect or default of Customer, other subcontractors or any other third party, by any cataclysmic event or act of God, or by reason of any other events or caused beyond the direct control of Wolf or any supplier of Wolf. In such event or circumstance, Wolf shall have the right to extend the time to complete the work by the amount of any such delay caused by such events or circumstances.
- **Insurance:** Customer shall maintain any necessary property insurance coverage on the work. Wolf shall maintain Worker's Compensation insurance to the extent required by law. Wolf will meet the required insurance limits of liability by using a combination of primary insurance policies and umbrella/excess policies.
- **Indemnification:** To the fullest extent permitted by law, Customer shall indemnify, defend and hold Wolf and its shareholders, officers, employees, agents, subcontractors, and material suppliers harmless of, from and against any and all actions, causes of action, claims, demands, damages, injuries, losses, liabilities, loss of services, penalties, assessments, attorneys' fees, other professional fees, expenses and other costs and charges of every kind and nature (collectively, "Claims") resulting from or in any way relating to the negligence, misconduct, or violation of law by Customer in the performance of, or its failure to perform, any of Customer's obligations under the Agreement including, but not limited to, Claims attributable to (a) bodily injury, sickness, diseases or death; and/or (b) damage injury to or destruction of property (including, but not limited to, the loss of use of such property resulting therefrom).
- **Limited Warranty:** Wolf warrants to Customer that Wolf's work shall be in conformity with the Specifications and free from defects in workmanship and material for a period of one (1) year from the date of substantial completion of Wolf's work. Wolf shall not be liable for any breach of warranty unless Customer gives written notice to Wolf within fourteen (14) days of discovery of a claimed defect and said written notice is received by Wolf within one (1) year after substantial completion of the work. Customer shall permit Wolf the opportunity to examine or test the alleged defect as reasonably requested by Wolf. If Wolf in its reasonable discretion determines that the alleged defect was due to faulty workmanship or defective material and not due to other causes, Wolf in its sole discretion will repair or replace said defects at no cost to Customer. This Limited Warranty does not include or extend to: (a) remedies for defects or damages caused by work of Customer, other contractors or third parties; (b) errors or inaccuracies in the Specifications or defects in the design or engineering of Wolf's work; (c) normal wear and tear, including, without limitation, defects or damages caused by the natural expansion or contraction of the construction materials; (d) use for a purpose for which the work was not intended; (e) improper or insufficient maintenance; (f) modifications performed by Customer, other contractors or any other third party; (g) sealcoat damage from snow plows; (h) drainage problems on the project site including, but not limited to, standing water; (i) construction traffic; (j) pavement overlays due to the potential of reflective cracking or expansion joints; (k) abuse; or (l) acts of God, casualty, catastrophe or other force majeure. This Limited Warranty shall be in effect only if Wolf receives final payment in full of the total invoiced amount to Customer upon completion of Wolf's work. This Limited Warranty shall extend solely to Customer.
THE EXPRESS WARRANTIES CONTAINED HEREIN ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OF MERCHANTABILITY, HABITABILITY, OR FITNESS FOR A PARTICULAR USE OR PURPOSE., ALL OF WHICH ARE HEREBY DISCLAIMED BY WOLF. THIS LIMITED WARRANTY ALSO EXCLUDES CONSEQUENTIAL AND INCIDENTAL DAMAGES.
- **Notice of Lien Rights:** AS REQUIRED BY WISCONSIN CONSTRUCTION LIEN LAW, WOLF HEREBY NOTIFIES OWNER (IF CUSTOMER IS OWNER OF THE PROPERTY ON WHICH WOLF'S WORK IS PERFORMED) THAT PERSONS OR COMPANIES PERFORMING, FURNISHING, OR PROCURING LABOR, SERVICES, MATERIALS, PLANS, OR SPECIFICATIONS FOR CONSTRUCTION ON OWNER'S LAND MAY HAVE LIEN RIGHTS ON OWNER'S LAND AND BUILDINGS IF NOT PAID. THOSE ENTITLED TO LIEN RIGHTS, IN ADDITION TO WOLF, ARE THOSE WHO CONTRACT DIRECTLY WITH THE OWNER OR THOSE WHO GIVE THE OWNER NOTICE WITHIN 60 DAYS AFTER THEY FIRST PERFORM, FURNISH, OR PROCURE LABOR, SERVICES, MATERIALS, PLANS OR SPECIFICATIONS FOR THE CONSTRUCTION. ACCORDINGLY, OWNER PROBABLY WILL RECEIVE NOTICES FROM THOSE WHO PERFORM, FURNISH, OR PROCURE LABOR, SERVICES, MATERIALS, PLANS, OR SPECIFICATIONS FOR THE CONSTRUCTION, AND SHOULD GIVE A COPY OF EACH NOTICE RECEIVED TO THE MORTGAGE LENDER, IF ANY. WOLF AGREES TO COOPERATE WITH THE OWNER AND THE OWNER'S LENDER, IF ANY, TO SEE THAT ALL POTENTIAL LIEN CLAIMANTS ARE DULY PAID.
- **Severability/Governing Law:** If any provision of this Agreement is determined to be invalid or unenforceable for any reason, such determination shall not affect the validity or enforceability of the remaining provisions of this Agreement. The validity, interpretation and performance of the parties hereunder shall be governed by the laws of the State of Wisconsin, without regard to the conflict of laws principles thereof.
- **Incorporation:** In the event any other agreement is entered into between the parties, these Terms shall be incorporated into any such agreement and shall supersede any conflicting terms contained therein unless otherwise expressly agreed in writing by Wolf and Customer. In the event of a conflict between the Proposal and these Terms, these Terms shall govern unless otherwise expressly agreed in writing by Wolf and Customer.

- **Acceptance:** Customer acknowledges and agrees that the prices and specifications set forth in the Proposal and these Terms are satisfactory and are hereby accepted. Customer authorizes Wolf to do the work as specified in the Proposal, subject to and in compliance with the Terms set forth above. The conditions of this proposal will be honored for **15 days**, after that time Wolf Paving Co., Inc. reserves the right to adjust the terms of this proposal. All agreements entered through this proposal/contract contingent upon strikes, accidents or delays beyond our control – Wolf Paving Co., Inc. reserves the right to adjust the terms of this contract if work is not completed within 14 days of authorization date or if the contract items are not completed within the stated time frame. Also, within the duration of the contract, Wolf Paving Co., Inc. reserves the right to pass along AC oil and other operation costs increases that occur prior to construction phase operations.
- **Pricing:** Prices are only good for work completed during the 2025 Construction Season. Work that is carried over to the 2026 season is subject to change based on oil prices.
- **Cold Weather Additives:** The addition of cold weather additives to the asphalt mix will be extra if required.
- **Mobilizations:** All work to be completed in one mobilization, unless otherwise noted. Additional mobilizations will \$2500.00 each.

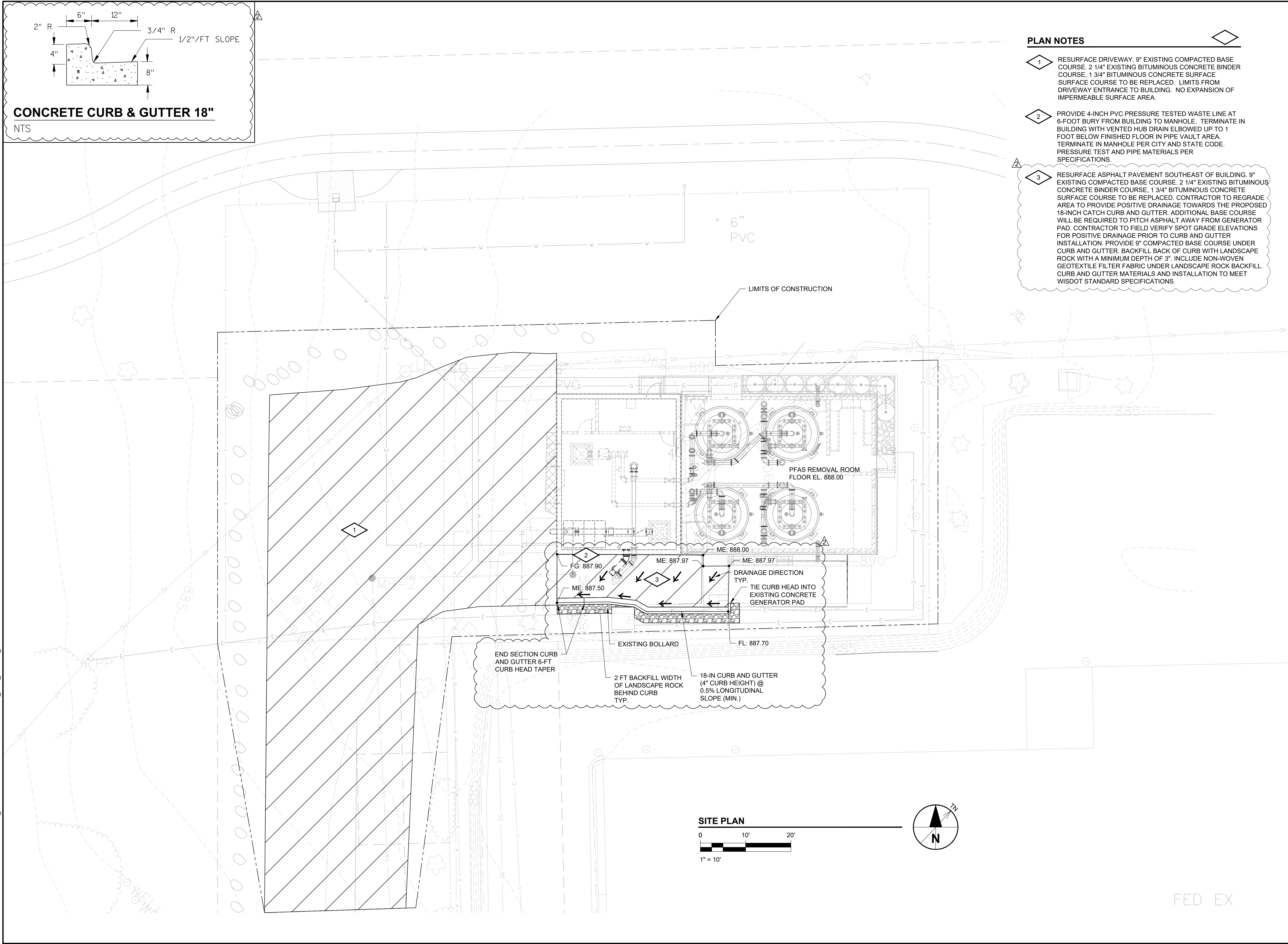
Payment Terms:

Payment: Payment is due to Wolf upon substantial completion of the work, unless otherwise specified by the parties in writing. If performance of Wolf's work will extend beyond thirty (30) days, Wolf may issue progress billings on the project and each progress billing will be due and payable upon receipt of the progress billing. Any amounts remaining unpaid when due may be subject to late charges of 1.5% per month, 18% annually or the maximum interest rate permitted by law, whichever is less. Any credit card payments are subject to a 3% surcharge.

ACCEPTED: The above prices, specifications and conditions are satisfactory and hereby accepted. Buyer: _____ Signature: _____ Date of Acceptance: _____	CONFIRMED: Wolf Paving Co., Inc. Authorized Signature: _____ Estimator: Rob Igl (262)-269-8184 Rob.Igl@wolfpaving.com
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ANSI D 22" x 34"

Last saved by: KASPRZAKJ (2025-07-24) Last Plotted: 2025-07-24
Filename: C:\ONEDRIVE\AECOM\60686092\MADISON UNIT 15 PFAS - GENERAL\900_CAD_GIS\010_CAD\20-SHEETS - PHASE2\C-01.DWG



PLAN NOTES

- 1

RESURFACE DRIVEWAY. 9" EXISTING COMPACTED BASE COURSE, 2 1/4" EXISTING BITUMINOUS CONCRETE BINDER COURSE, 1 3/4" BITUMINOUS CONCRETE SURFACE COURSE TO BE REPLACED. LIMITS FROM DRIVEWAY ENTRANCE TO BUILDING. NO EXPANSION OF IMPERMEABLE SURFACE AREA.
- 2

PROVIDE 4-INCH PVC PRESSURE TESTED WASTE LINE AT 6-FOOT BURY FROM BUILDING TO MANHOLE. TERMINATE IN BUILDING WITH VENTED HUB DRAIN ELBOWED UP TO 1 FOOT BELOW FINISHED FLOOR IN PIPE VAULT AREA. TERMINATE IN MANHOLE PER CITY AND STATE CODE. PRESSURE TEST AND PIPE MATERIALS PER SPECIFICATIONS.
- 3

RESURFACE ASPHALT PAVEMENT SOUTHEAST OF BUILDING. 9" EXISTING COMPACTED BASE COURSE, 2 1/4" EXISTING BITUMINOUS CONCRETE BINDER COURSE, 1 3/4" BITUMINOUS CONCRETE SURFACE COURSE TO BE REPLACED. CONTRACTOR TO REGRADE AREA TO PROVIDE POSITIVE DRAINAGE TOWARDS THE PROPOSED 18-INCH CATCH CURB AND GUTTER. ADDITIONAL BASE COURSE WILL BE REQUIRED TO PITCH ASPHALT AWAY FROM GENERATOR PAD. CONTRACTOR TO FIELD VERIFY SPOT GRADE ELEVATIONS FOR POSITIVE DRAINAGE PRIOR TO CURB AND GUTTER INSTALLATION. PROVIDE 9" COMPACTED BASE COURSE UNDER CURB AND GUTTER. BACKFILL BACK OF CURB WITH LANDSCAPE ROCK WITH A MINIMUM DEPTH OF 3". INCLUDE NON-WOVEN GEOTEXTILE FILTER FABRIC UNDER LANDSCAPE ROCK BACKFILL. CURB AND GUTTER MATERIALS AND INSTALLATION TO MEET WISDOT STANDARD SPECIFICATIONS.

PROJECT

UNIT WELL 15 PFAS
TREATMENT FACILITY

CLIENT

MADISON WATER UTILITY

119 E. OLIN AVENUE
MADISON, WISCONSIN 53713
Tel 608.266.4651 www.cityofmadison.com

ISSUE/REVISION

NO.	DATE	DESCRIPTION
2	07/24/25	CURB RFI
1	12/22/23	ISSUE FOR BID
I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER

60686092

SHEET TITLE

CIVIL SITE PLAN

DWG NUMBER

02-C-01

SHT NUMBER

09 OF 55

Change Order Request



Project name:

PFAS Well 15

Requested by:

AECOM

Date:

8/12/2025

Request name:

RFI 35- Overcuts discovered in existing floor

Request number:

PCO#2

Change description:

After removing the existing membrane on the top of the underground tank slab it was discovered that the previous pipe penetration openings had some significant overcuts that cut into rebar. Contractor is concerned with structural integrity of the existing floor.

Change reason:

structural concerns in the existing slab that will be new finished floor.

Proposed action:

See attached RFI response and revised drawings from AECOM

Associated cost:

combined total: 4,957.43

~~\$4,960.00~~

Approved by:

Date:

Revised for SDWLP CO Eligibility -
\$2,500.00 (GC materials cost)
\$727.21 (GC labor cost)
\$484.08 (15% GC markup)
\$3,711.29 (total GC performed cost)

Revised for SDWLP CO Eligibility -
\$1,032.00 (subcontractor cost)
\$154.80 (15% subcontractor markup)
\$59.34 (5% GC markup)
\$1,246.14 (total sub-performed CO cost)

Project Name:		Madison Unit Well 19			CB #:	6
Material	Quantity	UOM	Material Type	Unit Price	Total	Credit
	2	EA	HSS6x6x3/8	\$0	\$2,500.00	
	2	EA	PL3/8"x1'-0 base & Cap Plates	\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
Sales Tax				0.0%	\$0.00	
Material Cost					\$2,500.00	
GC OH&Profit				15%	\$441.18	
Material Total					\$2,941.18	

Labor	Total	Crew Rate	Hours	Description	Crew Size	Labor Type	Total MH
	\$223.95	\$111.97	2	layout for new columns embedded in footing	1	Supervisor	8
	\$358.96	\$179.48	2	Forming additional area for column base plates embedded in footing	2	Cement Finisher	
	\$144.30	\$72.15	2	Stripping forms and grouting top of base plates	1	Laborer	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$727.21			Cost			
	\$128.33	15%		GC OH&Profit			
	\$855.54			Total			

Tools & Equipment	Name	Hours	Rate	Cost	Total Eq. Hours
	-	0	\$0.00	\$0.00	0
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	Cost		\$0.00		
GC OH&Profit			\$0.00	15%	
Total			\$0.00		

Subcontractors	Name	Trade/Specialty	Cost
	Capital Steel Erectors	Steel Erection	\$1,032.00
Cost		\$1,032.00	
Subcontractor Markup		\$77.40	7.50%
Total		\$1,109.40	

Summary	Cost Summary		Totals Summary		
	Material	\$2,500.00	Cost	\$4,259.21	
	Labor	\$727.21	Sub Markup	\$77.40	7.5%
	Equipment	\$0.00	GC OH&P	\$569.51	15%
	Subcontractors	\$1,032.00	Bond	\$53.24	1.25%
	Total Cost:	\$4,259.21	Total CO:	\$4,959.35	
			\$4,960.00		



Endres Mfg. Co
802 S. Century Ave
Waunakee, WI 53597
Phone: 608-849-4143
Fax: 608-849-7903

Date : 11/6/2024

Page 1 of 1

CO #: 1

Job #: 3A24130

PFAS Well #15

Job Location: Madison

Change Order Request

To: Jake Cates

JOE DANIELS CONST. CO. INC.
919 APPLEGATE ROAD
MADISON, WI 53713
Phone: 608-271-4800
Fax: 608-271-4570

Subject: RFI #35

Change Requested By:

Sent Via: E-mail

Description of Change:

(2) HSS6x6x3/8
(4) PL3/8"x1'-0 Base & Cap Plates

For Galvanized - \$2,500.00

or

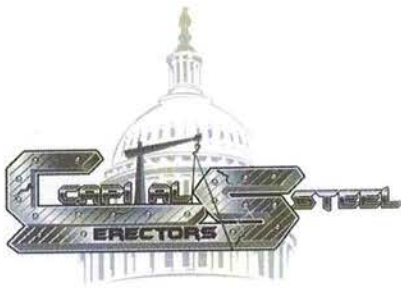
For Stainless - \$10,000.00

A signature below indicates acceptance of all changes shown herein. Any work associated with this change will begin upon receipt of a signed copy of this C.O. in our office. Please respond by 11/13/2024.

If the requested response time is not met, the project may be delayed.

Accepted By

Endres Mfg. Co



Capital Steel Erectors, Inc

8990 Zwettler Rd.

Blue Mounds, WI 53517

Phone: (608)767-3300

Fax: (608)767-3340

#2

FIELD EXTRA WORK AUTHORIZATION FORM

JOB Well 15

GENERAL CONTRACTOR Daniels

There is a revision in work that needs to be done not covered by our contract. In order for this work to be performed, we will need the site superintendent to sign for approval on this extra work authorization before work can be done.

WORK DESCRIPTION: Weld on two top plates to two columns and install
columns

WE, THE UNDERSIGNED, HEREBY AUTHORIZE AND DIRECT THE WORK DESCRIBED ABOVE TO BE PERFORMED, & AGREE TO COMPENSATE ON A TIME & MATERIAL BASIS. CAPITAL STEEL ERECTORS RESERVES THE RIGHT TO INVOICE EXTRA WORK AUTHORIZATIONS IN THE MONTH THEY WERE PERFORMED.

Project Manager (first choice)/Superintendent Pre work signature

Date

HOURS TO COMPLETE EXTRA WORK AUTHORIZATION:

Number of men 2 Hours per man 4

Total hours to complete work 8 $4 \text{ hrs} \times 121 \text{ hrs} = 484$
 $4 \text{ hrs} \times 114 \text{ hrs} = 456$

Dates work completed 1-27-25

LABOR 8940.00
Equipment 92.00
reins
Total \$1,032.00

MATERIALS USED TO COMPLETE EXTRA WORK AUTHORIZATION:

(Write quantity for each item)

Welder Hours/Minutes 2.5 37.50 Welding Rod Type/Approximate lbs 7018 2 lbs ⁸

Torch Use Primer 1 cold gal 14" Abrasive Cutoff Saw Wheels

4 1/2" Abrasive Grinding Wheels 2 5 8" Abrasive Cutoff Disks

Other: Truck 35 miles 8.96 = 33.60

Revised for SDWLP CO Eligibility -

\$Caterals cost

\$5,106.17 (GC labor cost)

\$958.23 (15% GC markup)

\$7,346.40 (total GC performed cost)

Shawn Ruelgas
Capital Steel Erectors Representative

• Structural Steel Erection • Concrete Reinforcing • PT Cables • Pre-Fab Metal Buildings • Architectural Concrete Erection
• Bridge Construction • Rigging and Machinery Moving

**Unit Well 15 PFAS Treatment Facility
Madison Water Utility
City of Madison, WI
Request for Information**

RFI Response	Specification Section:	N/A
	Joe Daniels Construction Company	
	RFI No.:	35
	RFI Title:	Overcuts discovered in existing floor
	Contract Drawing No.:	N/A
	Contract Name:	Madison Well #15

Request:

"After removing some of the membrane over the top of the tank around the pipe penetrations from the existing air stripper down into the tank, it was discovered that the original cutout and patch for this pipe incurred overcuts extending up to 15" in each direction from the perimeter of the patch. This is typical for both pipe penetrations that were existing from the air stripper (north and south). There are a couple of potential issues with this:

1. Floor finishes will be affected

2. It appears there are overcuts running into the structural concrete beams which were monolithic with the floor. we believe that some of the #8 bars at the top have been cut into.

We believe that the structural engineer should be looking at this on site to determine if there is any remediation necessary.

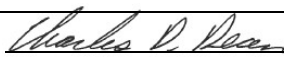
Please note that all of these overcuts were existing and Daniels has not cut anything around these yet."

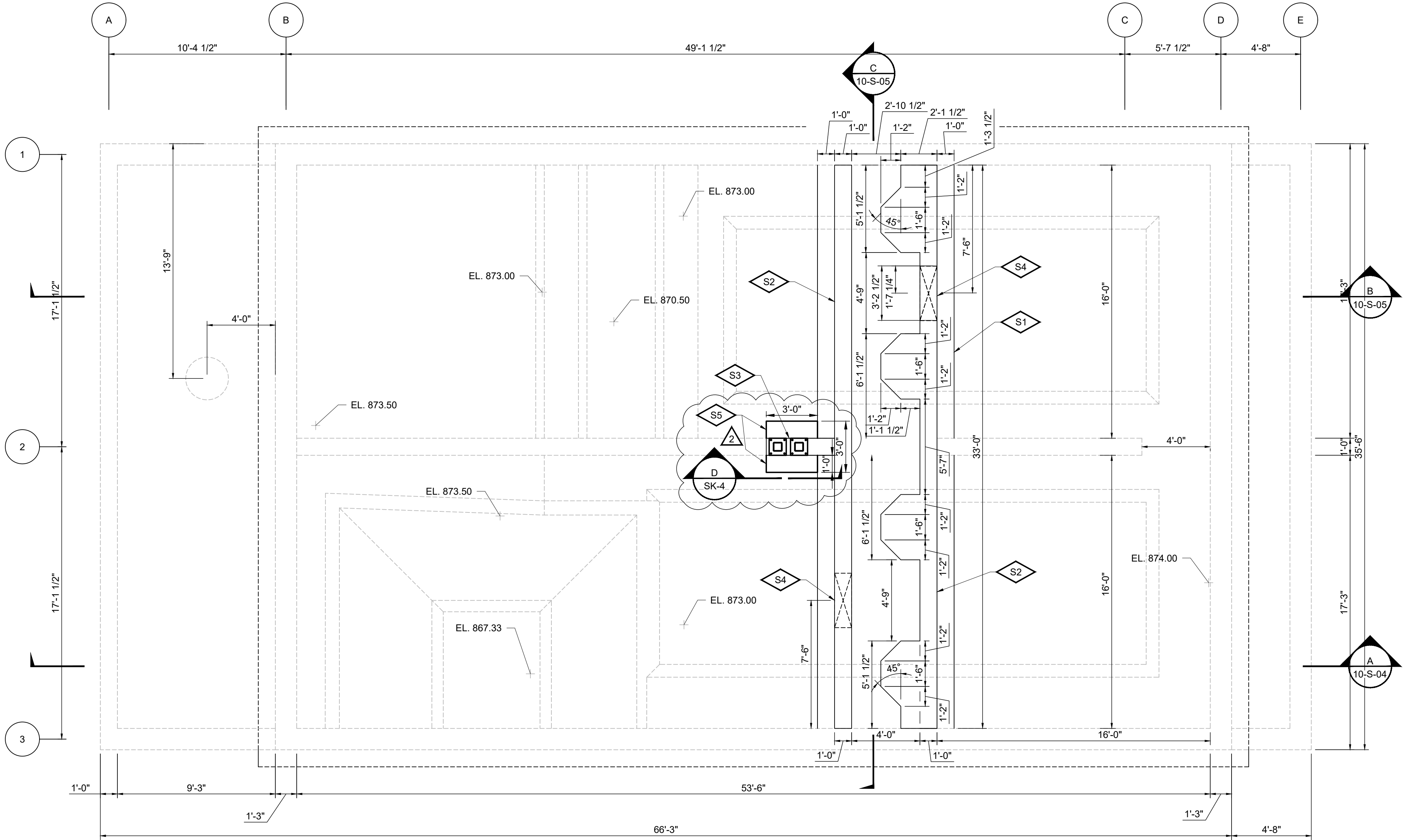
Response:

Response to Item 1 - Floor Finish: The current specified concrete sealer is in the process of being changed to a resinous flooring system. Refer to Response to RFI-38 or Field Order when issued.

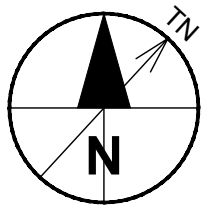
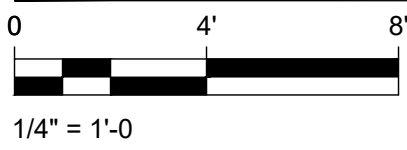
Response to Item 2 – Overcuts in existing floor slab:

1. The existing 5 to 6-inch deep sawcuts at the two locations are to be cleaned out and filled with epoxy by gravity feed with resin method in accordance with the manufacturer's recommended installation procedures.
 - a. Reference: American Concrete Institute's' ACI RAP Bulletin 2 – Field Guide to Concrete Repair Application Procedures, Crack Repair by Gravity Feed with Resin.
 - b. Epoxy material shall be Sikadur-32 Hi-Mod manufactured by Sika Corporation or engineer's approved equivalent.
2. Install steel columns as shown on the attached revised drawing Nos. 10-S-01 and 10-S-08, dated 10/21/24 and Sketch SK-4 dated 10/21/2024 to support existing slab and beam floor system. SK-4 will be incorporated into the As-Built drawings when project is completed.
3. Provide cost and schedule impacts, if any, for this work to AECOM and Owner for review prior to commencement of work.

Responder's Signature	Signature:	
	Printed Name:	Charles D. Dean
	Date:	10/21/2024



FOUNDATION PLAN



PLAN NOTES

- S1 CONSTRUCT BASE SLAB TO BE PLACED ON TOP OF EXISTING SLAB
- S2 CONSTRUCT 12-INCH CONCRETE WALL
- S3 NEW OPENING IN WALL TO PROVIDE FLOW BETWEEN TANKS
- S4 ACCESS MANWAY OPENING IN WALL. SEE DETAIL SHEET 10-S-06.
- S5 REFER TO DETAILS ON COLUMN AND FOUNDATION. DWG. SK-4. RESPONSE TO RFI #35.



PROJECT

UNIT WELL 15 PFAS
TREATMENT FACILITY

CLIENT

MADISON WATER UTILITY

119 E. OLIN AVENUE
MADISON, WISCONSIN 53713
Tel 608.266.4651 www.cityofmadison.com

STRUCTURAL DESIGN CRITERIA

Design Codes	BUILDING CODE (WISCONSIN COMMERCIAL BUILDING CODE)		IBC 2015
	CONCRETE DESIGN CODE		ACI 318-14
	MASONRY DESIGN CODE		ACI 530-13
ROOF LIVE LOAD	OCCUPANCY CATEGORY		IV
	MINIMUM ROOF LIVE LOAD (PSF)		20
	ROOF DRAIN OVERFLOW LOAD - 4" DEPTH		20
ROOF SNOW LOAD	GROUND SNOW LOAD (Pg) (PSF)		30
	FLAT ROOF SNOW LOAD (Pf)		23
	SLOPED ROOF SNOW LOAD		23
WIND LOAD	SNOW EXPOSURE FACTOR (Ce)		0.9
	SNOW LOAD IMPORTANCE FACTOR (Is)		1.2
	THERMAL FACTOR (Ct)		1.0
EARTHQUAKE DESIGN DATA	DRIFT LOADS		PER IBC CODE
	BASIC 3-SECOND GUST WIND SPEED (MPH)		120
	WIND IMPORTANCE FACTOR (Iw)		1.15
OTHER LOADS	WIND EXPOSURE		B
	COMPONENTS AND CLADDING DESIGN WIND PRESSURE (PSF)		PER IBC CODE
	SEISMIC IMPORTANCE FACTOR (IE)		1.5
GEOTECHNICAL	SITE CLASS		D
	SPECTRAL RESPONSE ACCELERATION PARAMETERS	Ss	0.084
		S1	0.045
OTHER LOADS	SPECTRAL RESPONSE COEFFICIENTS	SDS	0.089
		SD1	0.073
	SEISMIC DESIGN CATEGORY		B
OTHER LOADS	BASIC SEISMIC FORCE RESISTING SYSTEM (ALL CONCRETE BLOCK BUILDING)		ORDINARY REINF. MASONRY SHEAR WALLS
	RESPONSE MODIFICATION COEFFICIENT (R)		5
	DESIGN BASE SHEAR		0.026W
OTHER LOADS	ANALYSIS PROCEDURE		EQUIVALENT LATERAL FORCE
	LATERAL EARTH PRESSURE (PCF EQUIV. FLUID)	DRY - UNRESTRAINED TOP	40
		DRY - RESTRAINED TOP	55
OTHER LOADS	LATERAL FLUID PRESSURE (PCF)	BELOW WATER TABLE	95
			62.4
	BUOYANCY (PCF X DEPTH BELOW GROUNDWATER LEVEL)		62.4
OTHER LOADS	NET ALLOWABLE SOIL BEARING PRESSURE (EXISTING FOUNDATIONS)		3000 PSF
	PLANNED SUBGRADE		EXISTING

ISSUE/REVISION

2	10/21/2024	RESPONSE TO RFI #35
1	12/22/23	ISSUE FOR BID
I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER

60686092

SHEET TITLE

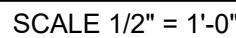
FOUNDATION PLAN

DWG NUMBER

10-S-01

SHT NUMBER

29 OF 55





UNIT WELL 15 PFAS TREATMENT FACILITY

MADISON WATER UTILITY

119 E. OLIN AVENUE
MADISON, WISCONSIN 53713
Tel 608.266.4651 www.cityofmadison.com

ISSUE/REVISION		
1	10/21/2024	RESPONSE TO RFI #35
I/R	DATE	DESCRIPTION

PROJECT NUMBER

60686092

SHEET TITLE

STRUCTURAL 1ST FLOOR SLAB SUPPORT AT WALL OPENING

DWG NUMBER

SHT NUMBER

SK-4

Change Order Request

**Project name:**

PFAS Well 15

Requested by:

AECOM

Date:

8/12/2025

Request name:

RFI 42- Concrete Topping on Existing Floor

Request number:

PCO#3

Change description:

When removing the existing membrane coating over the top of the tank that is to become new finished floor, it was discovered that the whole floor is lumpy and full of deep footprints from when this was originally poured. We would not be able to grind the amount of material required to make this floor smooth without removing all of the concrete cover from the rebar in the floor.

Change reason:

We would not be able to grind the amount of material required to make this floor smooth without removing all of the concrete cover from the rebar in the floor.

Proposed action:

Pour 4" topping slab over existing tank lid slab. See attached RFI response from AECOM

Associated cost:

\$8,595.31

~~\$8,887.00~~

Approved by:**Date:**

Revised for SDWLP CO Eligibility -
\$2,310.00 (GC materials cost)
\$5,164.18 (GC labor cost)
\$1,121.13 (15% GC markup)
\$8,595.31 (total GC performed cost)

Project Name:		PFAS WELL 15			CB #:	
Material	Quantity	UOM	Material Type	Unit Price	Total	Credit
	14	CY	Concrete Material	\$165.00	\$2,310.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
Sales Tax				0.0%	\$0.00	
Material Cost					\$2,310.00	
GC OH&Profit				15%	\$407.65	
Material Total					\$2,717.65	

Labor	Total	Crew Rate	Hours	Description	Crew Size	Labor Type	Total MH
	\$895.78	\$111.97	8	Supervising workforce	1	Supervisor	56
	\$678.80	\$169.70	4	Forming	2	Carpenter	
	\$3,589.60	\$448.70	8	Pour and Finish Concrete	5	Cement Finisher	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$5,164.18			Cost			
	\$911.33	15%		GC OH&Profit			
	\$6,075.51			Total			

Tools & Equipment	Name	Hours	Rate	Cost	Total Eq. Hours
	-	0	\$0.00	\$0.00	0
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	Cost		\$0.00		
	GC OH&Profit		\$0.00	15%	
	Total		\$0.00		

Subcontractors	Name	Trade/Specialty	Cost
	Cost		\$0.00
	Subcontractor Markup		\$0.00 7.50%
	Total		\$0.00

Summary	Cost Summary		Totals Summary	
	Material	\$2,310.00	Cost	\$7,474.18
	Labor	\$5,164.18	Sub Markup	\$0.00 7.5%
	Equipment	\$0.00	GC OH&P	\$1,318.97 15%
	Subcontractors	\$0.00	Bond	\$93.43 1.25%
	Total Cost:	\$7,474.18	Total CO:	\$8,886.58
				\$8,887.00

Change Order Request



Project name:

PFAS Well 15

Requested by:

AECOM

Date:

8/12/2025

Request name:

RFI 29- Existing Glazed CMU

Request number:

PCO#4

Change description:

6" wall under east floor at cut, plans show existing to remain. After demo it was discovered there is no existing wall here. We would propose CMU infill under the existing slab as there is not enough room to build a wall out past where the floor is cut without impeding on filter vessel footprint.

Change reason:

Additional Stub Wall Scope

Proposed action:

Refer to the attached Sketches SK-2 and SK-3 for additional removal requirements and concrete stub wall to be constructed along the north end of the east wall of the PFAS Removal Room.

Associated cost:

\$2,121.30

~~\$2,194.00~~

Approved by:

Date:

Revised for SDWLP CO Eligibility -
\$1,844.61 (GC labor cost)
\$276.69 (15% GC markup)
\$2,121.30 (total GC performed cost)

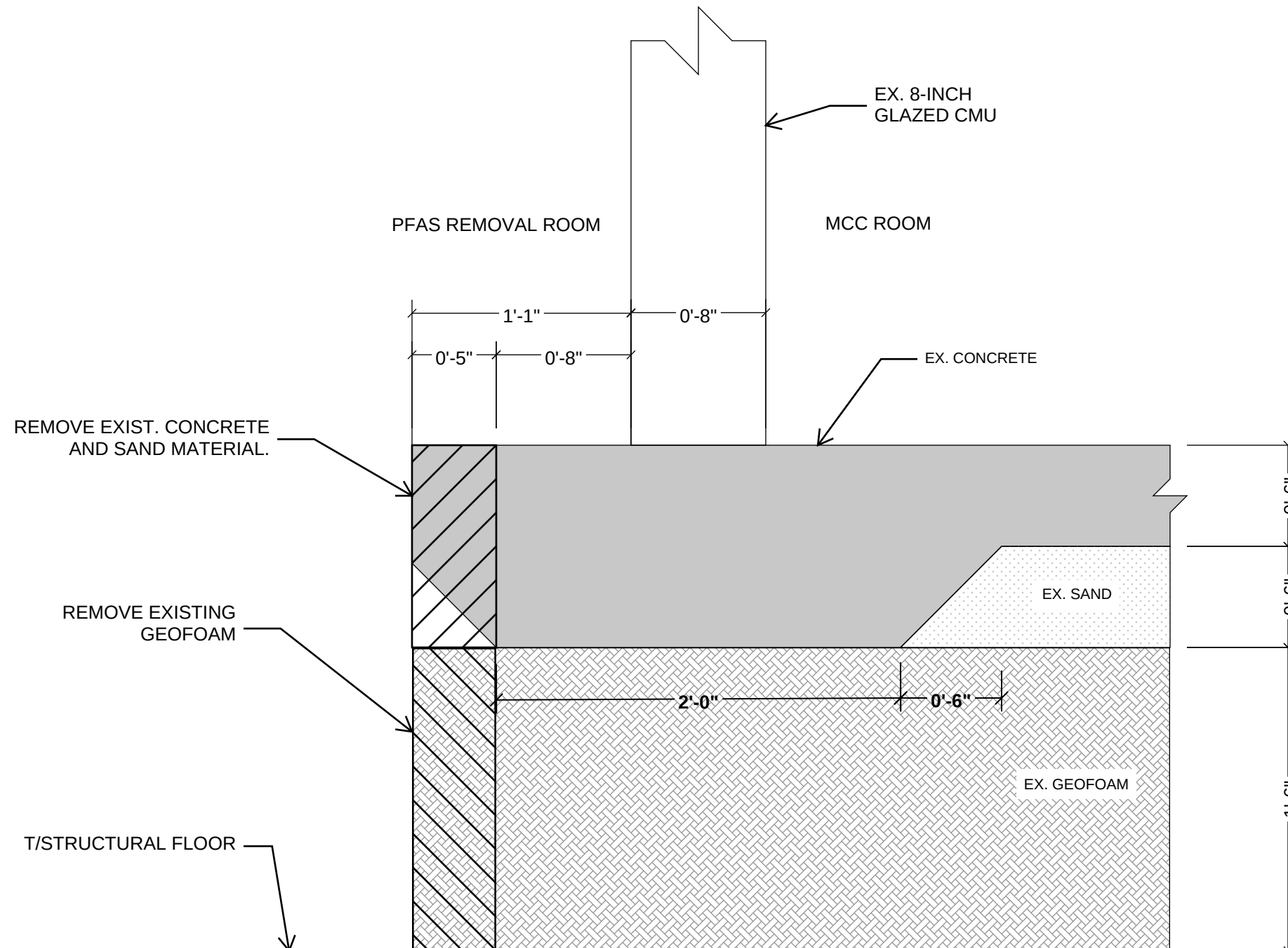
Project Name:		PFAS WELL 15			CB #:	
Material	Quantity	UOM	Material Type	Unit Price	Total	Credit
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
Sales Tax				0.0%	\$0.00	
Material Cost					\$0.00	
GC OH&Profit				15%	\$0.00	
Material Total					\$0.00	

Labor	Total	Crew Rate	Hours	Description	Crew Size	Labor Type	Total MH
	\$447.89	\$111.97	4	Layout for new stub walls	1	Supervisor	20
	\$678.80	\$169.70	4	Forming	2	Carpenter	
	\$717.92	\$179.48	4	Pour and Finish Concrete	2	Cement Finisher	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$1,844.61			Cost			
		\$325.52	15%	GC OH&Profit			
		\$2,170.13		Total			

Tools & Equipment	Name	Hours	Rate	Cost	Total Eq. Hours
	-	0	\$0.00	\$0.00	0
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
			Cost	\$0.00	
		GC OH&Profit	\$0.00	15%	
		Total	\$0.00		

Subcontractors	Name	Trade/Specialty	Cost
		Cost	\$0.00
		Subcontractor Markup	\$0.00 7.50%
		Total	\$0.00

Summary	Cost Summary		Totals Summary	
	Material	\$0.00	Cost	\$1,844.61
	Labor	\$1,844.61	Sub Markup	\$0.00 7.5%
	Equipment	\$0.00	GC OH&P	\$325.52 15%
	Subcontractors	\$0.00	Bond	\$23.86 1.25%
	Total Cost:	\$1,844.61	Total CO:	\$2,193.19
				\$2,194.00



NOTES:

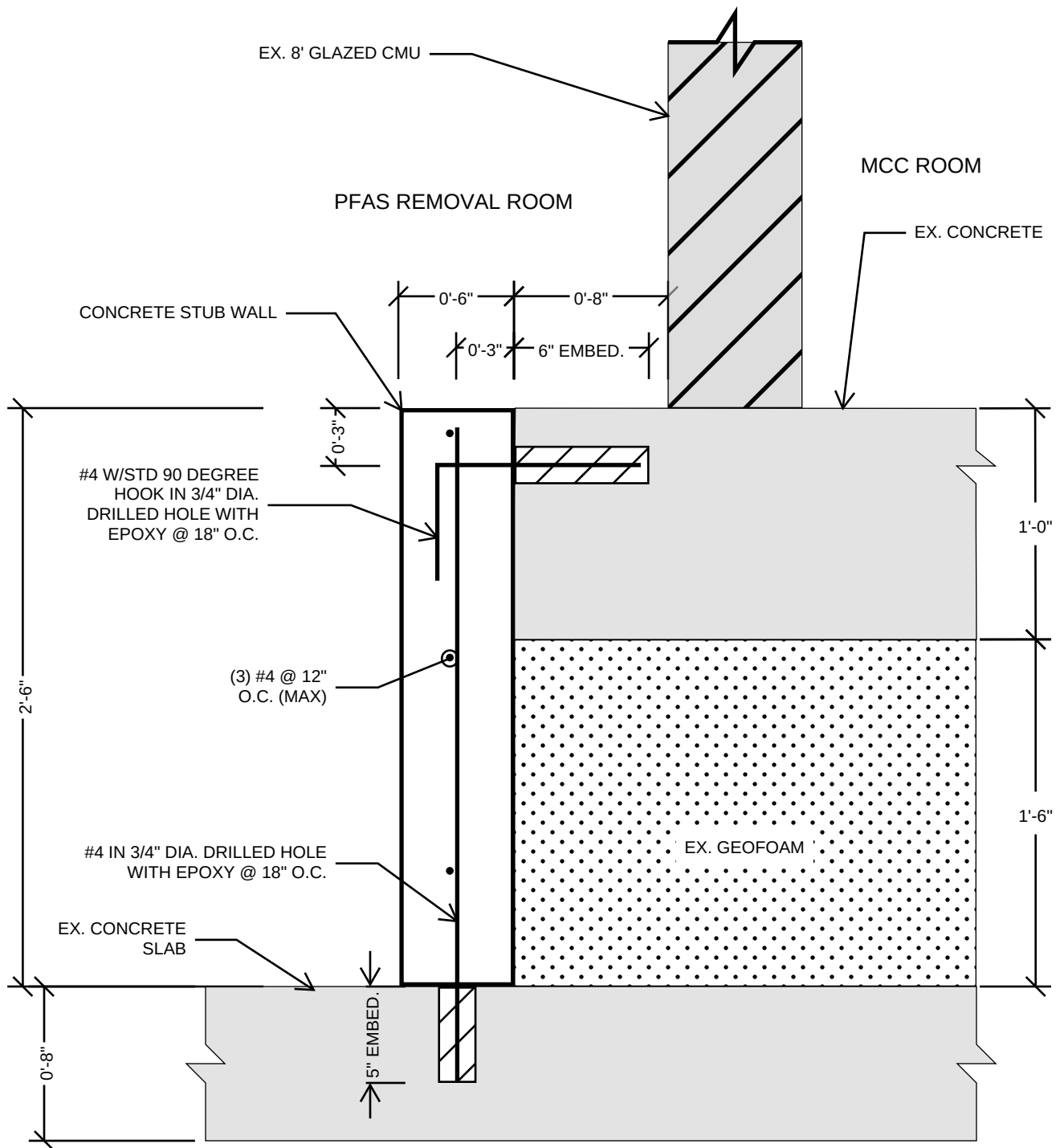
1. ADDITIONAL REMOVAL SHOWN ON THIS SHHET IS BASED ON EXISTING CONDITIONS NOTED ON 10/01/2024 DURING SITE VISIT BY AECOM.

2. REFER TO SK-3 FOR 6-INCH STUB WALL TO BE INSTALLED.

UW 15 PFAS
AECOM PROJECT NO. 60724663

**SK-2: EX. CONDITION -
EAST WALL OF PFAS REMOVAL ROOM**

AECOM
BY C. DEAN 10/16/2025



STUB WALL DETAIL AROUND MCC ROOM NTS

NOTES:

1. INFILL VOID BETWEEN EXISTING CONCRETE AND GEOFOAM WITH CONCRETE WHEN PLACING STUB WALL.
2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS.
3. COORDINATE WITH OTHER TRADES FOR PENETRATIONS THROUGH STUB WALL PRIOR TO PLACEMENT OF CONCRETE.

UW 15 PFAS
AECOM PROJECT NO. 60724663

SK-3 STUB WALL DETAIL

AECOM
BY C. DEAN 10/16/2025

Change Order Request



Project name:

PFAS Well 15

Requested by:

AECOM

Date:

8/12/2025

Request name:

12" Tee, Blind Flange & Valve Inspection

Request number:

Change description:

This change order is for the labor, material & equipment to provide one (1) 12" ductile iron tee & one (1) 12" ductile iron blind flange. Sheet(s) 09-N-01 & 09-N-03 note this line to be a 14" size. During install it was observed that the line was 12". New materials were required to match the correct line size. The materials already ordered cannot be sent back to the supplier for a credit. During the installation it was noted that there was blockage at the 12" butterfly valve. The downstream spool was removed to further inspect the debris within the pipe. The debris was removed and the spool was reinstalled with gaskets supplied by MWU. Once the line was commissioned it was observed that the spool was leaking. The contractor provided new gaskets at the spool to stop the leaks and replace the gaskets supplied by MWU.

Change reason:

Proposed action:

Associated cost:

~~\$5,727.00~~

\$5,135.46 (revised subcontractor cost)
5% GC Markup
\$5,392.24 - Total Change Order Cost

Cost revised to comply with WI-DNR SDWLP eligibility rules.

Approved by:

Date:

Project Name:		PFAS WELL 15			FO #:	
Material	Quantity	UOM	Material Type	Unit Price	Total	Credit
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
Sales Tax				0.0%	\$0.00	
Material Cost					\$0.00	
GC OH&Profit				15%	\$0.00	
Material Total					\$0.00	

Labor	Total	Crew Rate	Hours	Description	Crew Size	Labor Type	Total MH
	\$0.00	\$0.00				Supervisor	0
	\$0.00	\$0.00				Equipment Operator	
	\$0.00	\$0.00				Cement Finisher	
	\$0.00	\$0.00				Laborer	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00			Cost			
	\$0.00	15%		GC OH&Profit			
	\$0.00			Total			

Tools & Equipment	Name	Hours	Rate	Cost	Total Eq. Hours
	-	0	\$0.00	\$0.00	0
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	Cost			\$0.00	
	GC OH&Profit			\$0.00	15%
	Total			\$0.00	

Subcontractors	Name	Trade/Specialty	Cost
	Ahern	Mechanical	\$5,265.55
	Cost		\$5,265.55
	Subcontractor Markup		\$394.92 7.50%
	Total		\$5,660.47

Summary	Cost Summary		Totals Summary	
	Material	\$0.00	Cost	\$5,265.55
	Labor	\$0.00	Sub Markup	\$394.92 7.5%
	Equipment	\$0.00	GC OH&P	\$0.00 15%
	Subcontractors	\$5,265.55	Bond	\$65.82 1.25%
	Total Cost:	\$5,265.55	Total CO:	\$5,726.29
			\$5,727.00	

\$5,135.46 (revised subcontractor cost)
 5% GC Markup
 \$5,392.24 - Total Change Order Cost



855 Morris Street | P.O. Box 1316
Fond du Lac, WI 54936-1316
main 920.921.9020 | fax 920.929.8825
www.jfahern.com

7/7/2025
608-333-0121

Mr. Jake Cates
Joe Daniels Construction
919 Applegate Rd.
Madison, WI 53713

**RE: Madison Well #15
J. F. Ahern Co. Job No. 7548
Customer Contract No. 9342
JFACO04 12" Tee, Blind Flange & Valve Inspection**

Dear Jake,

This change order is for the labor, material & equipment to provide one (1) 12" ductile iron tee & one (1) 12" ductile iron blind flange. Sheet(s) 09-N-01 & 09-N-03 note this line to be a 14" size. During install it was observed that the line was 12". New materials were required to match the correct line size. The materials already ordered cannot be sent back to the supplier for a credit. During the installation

it was noted that there was blockage at the 12" butterfly valve. The downstream spool was removed to further inspect the debris within the pipe. The debris was removed and the spool was reinstalled with gaskets supplied by MWU. Once the line was commissioned it was observed that the spool was leaking. The contractor provided new gaskets at the spool to stop the leaks and replace the gaskets supplied by MWU.

Respond by: 7/18/25

Five Thousand Two Hundred Sixty Five and 55/100 Dollars..... 5135.46
~~\$5,265.55~~

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Sincerely,

J. F. Ahern Co.

Adam Lander

Adam Landen
Project Manager
WI Major Construction Division

Enclosures
File:



Change Order Summary

Project: Madison Well #15

Project #: 7548

Proposal Date: 7/7/2025

Change Order #: 4

Revision: 0

Description of Work: Provide 12" tee, 12" blind flange and inspection of 12" valve

Total CO Amount: 5135.46
~~5,265.55~~

Item Description	Calc Type	Quantity	Unit of Measure	Unit Price or Rate	PCT %	Total Amount
Subtotal Material	Lump Sum	1.00	Lump Sum	3,221.32		3,221.32
Sales Tax	Percent	3,221.32			0.00%	-
TOTAL M - Material						3,221.32
Foreman	Unit Price	4.00	Hour	135.68		542.72
Journeyman	Unit Price	6.00	Hour	116.88		701.28
Tool Costs	Percent	1,244.00			5.50%	68.42
TOTAL L - Labor						1244.30 1,312.42
TOTAL S - Subcontract						-
TOTAL E - Equipment						-
TOTAL G - General Conditions						-
Project Management	Unit Price	0.50	Hour	90.00		45.00
TOTAL P - Project Management						0 45.00
Overhead & Profit - Materials	Percent	3,221.32			15.00%	483.20
Overhead & Profit - Labor	Percent	1,312.42	1244.30		15.00%	196.86 186.64
Overhead & Profit - Project Management	Percent	45.00	0		15.00%	6.75
TOTAL O - Overhead & Profit						669.85 686.81
TOTAL B - Bond & Insurance						-

Grand Total:

~~5,265.55~~

5135.46

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

DNR SDWLP Funded Project -
Tool costs, Subcontractor Project Management and Profit Markup on these items are ineligible for Change Order request.

Date:.... 7/7/2025

Page:.... 2 of 3



INVOICE

1830 Craig Park Court
St. Louis, MO 63146

Invoice # W881943
Invoice Date 6/27/25
Account # 098248
Sales Rep JOSEPH SCHAEFER
Phone # 608-834-1311
Branch #233 Sun Prairie, WI
Total Amount Due \$3,165.00

Remit To:
CORE & MAIN LP
PO BOX 28330
ST LOUIS, MO 63146

JF AHERN COMPANY
ACCOUNTS PAYABLE
PO BOX 1316
FOND DU LAC WI 54936-1316

000/0000
00000

Shipped To:
c/o MADISON UNIT WELL #15
3900 E WASHINGTON AVENUE
DREW (608) 572-1493
MADISON, WI

CUSTOMER JOB- 7548 MADISON WELL 15 MADISON WELL 15

Thank you for the opportunity to serve you! We appreciate your prompt payment.

Date Ordered	Date Shipped	Customer PO #	Job Name	Job #	Bill of Lading	Shipped Via	Invoice#
4/28/25	6/27/25	240-28087	MADISON WELL 15	7548		CORE & MAIN LP	W881943

Product Code	Description	Quantity		B/O	Price	UM	Extended Price
		Ordered	Shipped				
/20018208372	12 FLG TEE C110 USA - PRIMED SW MACROPOXY 646 *** AIS COMPLIANT ***	1	1		2745.00000 EA		2,745.00
/20018208373	12 BLIND FLG DI USA - PRIMED SW MACROPOXY 646 *** AIS COMPLIANT ***	1	1		420.00000 EA		420.00

Freight	Delivery	Handling	Restock	Misc
---------	----------	----------	---------	------

Terms: NET 30
Ordered By: ADAM LANDEN

Subtotal:	3,165.00
Other:	.00
Tax:	.00
Invoice Total:	\$3,165.00

This transaction is governed by and subject to Core & Main's standard terms and conditions, which are incorporated by reference and accepted.
To review these terms and conditions, please visit: <https://coreandmain.com/terms-of-sale/>



Invoice

DeWall Industrial Technologies

163 Bridgepoint Drive
South Saint Paul, MN 55075
Ph: 833-967-2482
Fax: 651-389-9121
sales@DeWallIndustrial.com
www.DeWallIndustrial.com

Invoice To
JF Ahern
855 Morris Street
Fond Du Lac, WI 54936

Ship To
J. F. Ahern Co. c/o Madison Well
#15
Madison Mechanical
3821 Anderson Rd
DeForest, WI 53532
Derek M Forrest (608) 977-1849

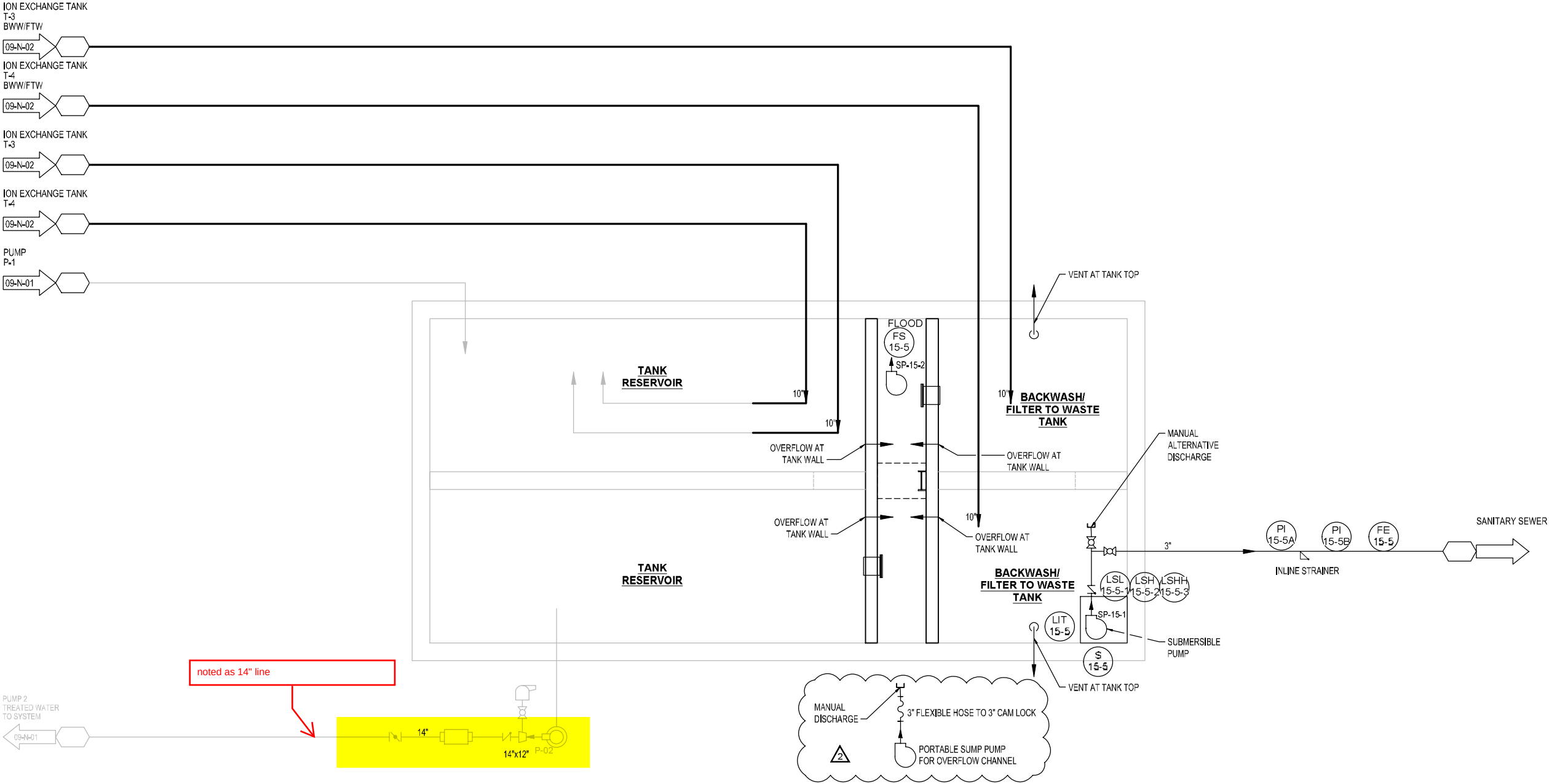
Invoice # 42067
Date 06/27/2025
Terms Net 45
Due Date 08/11/2025

Ship Date	Ship Via	Tag #	Purchase Order #
06/27/2025	UPS PPA	240-32390	240-32390

Part #	Description	Qty	Rate	Amount
R01121200F	12" 150# 1/8" Red Rubber Full Face	3	\$13.03	\$39.09
Freight Charges	Freight Charges	1	\$17.23	\$17.23
Tracking # 1ZY03F990343574770		Subtotal	\$56.32	
Thank you for your order!		Tax	\$	
		Amount Due	\$56.32	

ANSI D 22" x 34" Approved: _____ Checked: _____ Designer: _____ Project Management Initials: _____
Last saved by: ARMITAGED(2024-01-26) Last Plotted: 2024-01-31
Filename: C:\USERS\ARMITAGED\AECOM\60686092\MADISON UW15 PFAS - GENERAL\B00_CAD_GIS\910_CAD20-SHEET\SN-03.DWG

SEE LEGEND ON PROCESS AND INSTRUMENTATION DIAGRAM SYMBOLS DRAWING 01-G-07



PROJECT

UNIT WELL 15 PFAS
TREATMENT FACILITY

CLIENT

MADISON WATER UTILITY

119 E. OLIN AVENUE
MADISON, WISCONSIN 53713
Tel 608.266.4651 www.cityofmadison.com

ISSUE FOR
CONSTRUCTION

ISSUE/REVISION

U/R	DATE	DESCRIPTION
2	01/26/24	PORTABLE SUMP PUMP FOR OVERFLOW CHANNEL
1	12/22/23	ISSUE FOR BID
U/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER

60686092

SHEET TITLE

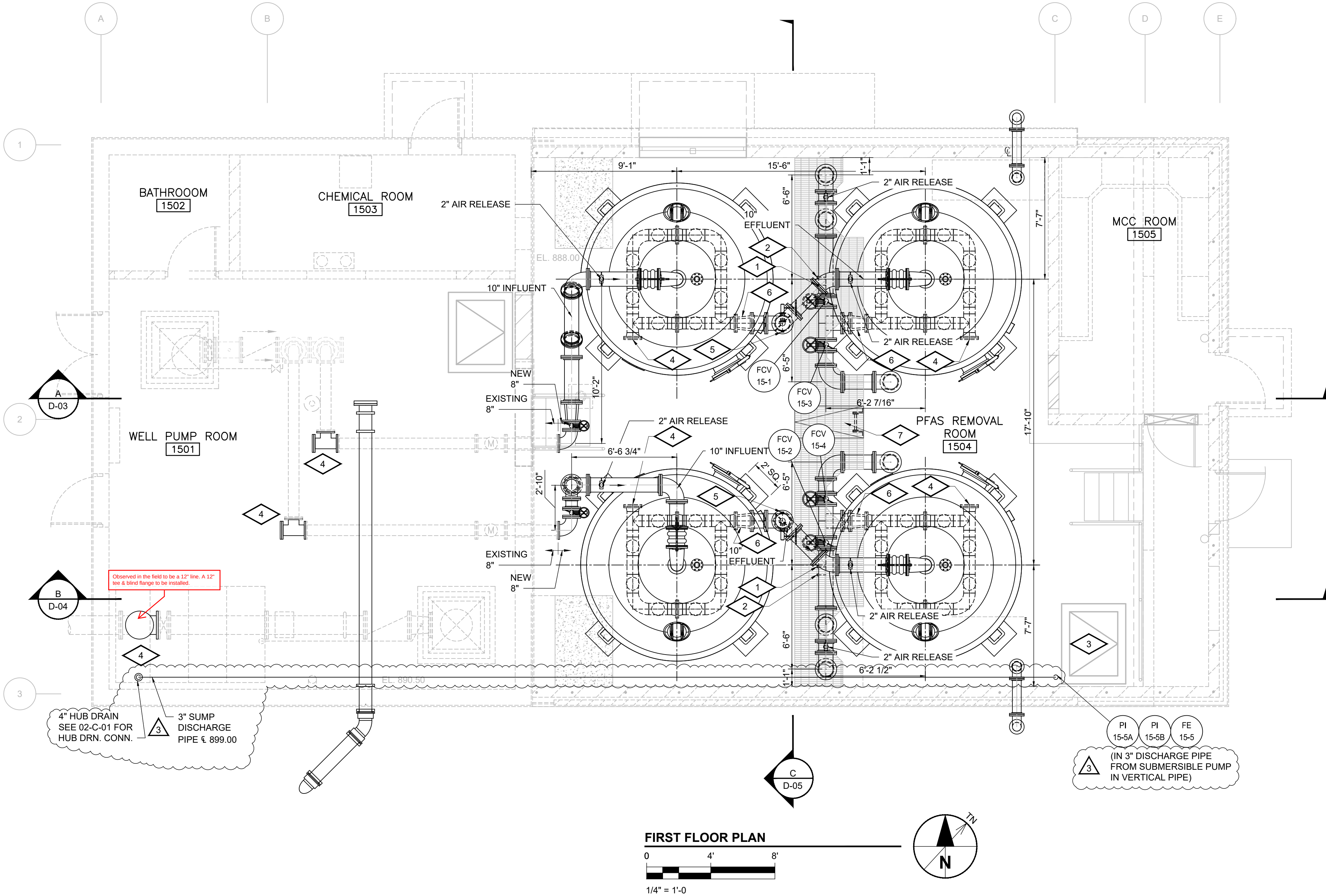
P&ID DIAGRAM - TANK RESERVOIR
AND BWW/FTW TANKS

DWG NUMBER

09-N-03

SHT NUMBER

20 OF 55



GENERAL NOTES

1. PIPE SUPPORTS NOT SHOWN. SEE SPECIFICATIONS.
2. PIPES INCLUDED FLANGED CONNECTIONS AND GROOVED CONNECTIONS. SEE LEGEND SHEET FOR FOR CONNECTIONS.
3. SEE P&ID AND SPECIFICATIONS FOR CHEMICAL PIPE ROUTING. PROVIDE TUBE FOR CHEMICAL FEED FROM CHEMICAL ROOM TO APPLICATION POINTS IN 2-INCH SCHEDULE 80 CPVC. PROVIDE LONG RADIUS ELBOWS ON CARRIER PIPE.
4. FIELD VERIFY EXISTING PIPING CONNECTIONS.

PLAN NOTES

- 1 CHEMICAL INJECTION POINT
- 2 CHEMICAL INJECTION POINT
- 3 3-INCH LINE FROM SUMP PUMP CAM-LOCK CONNECTION TO HUB DRAIN IN PIPE PIT AT HIGH SERVICE PUMP DISCHARGE. WALL PENETRATION PER DETAILS.
- 4 REPLACE ELBOW WITH TEE AND ADD BLIND FLANGE FOR START UP AND MEDIA REPLACEMENT.
- 5 1" WELDED TAP AND BALL VALVE.
- 6 8"x10" EXPANSION JOINT REDUCER.
- 7 REMOVABLE GRATING FOR ACCESS TO BELOW AND PUMPING OUT THE OVERFLOW CHANNEL.



PROJECT

UNIT WELL 15 PFAS
TREATMENT FACILITY

CLIENT

MADISON WATER UTILITY

119 E. OLIN AVENUE
MADISON, WISCONSIN 53713
Tel 608.266.4651 www.cityofmadison.com

ISSUE/REVISION

3	08/27/24	3" SUMP PIPE ROUTED
2	01/26/24	10x8 RED.EXP.JT., BFLY VALVE
1	12/22/23	ISSUE FOR BID
I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER

60686092

SHEET TITLE

PROCESS
FIRST FLOOR PLAN

DWG NUMBER

10-D-02

SHT NUMBER

38 OF 55

Change Order Request



Project name:

PFAS Well 15

Requested by:

AECOM

Date:

8/12/2025

Request name:

GAC Tank Backwash Pipe Mods & Tees

Request number:

Change description:

This change order is for the labor, material & equipment to provide two (2) 8" x 4" blind flange assemblies w/ a 4" ball valve to be used to connect a 4" hose to backwash the GAC tanks. This does not include any coatings, hoses or additional testing. Please note the lead time on the valves and blind flanges are a minimum 4 weeks from approval .

Change reason:

Proposed action:

Associated cost:

~~\$18,032.00~~

Approved by:

Date:

Revised for SDWLP CO Eligibility -
\$15,227.45 (subcontractor cost)
\$761.37 (5% GC markup)
\$15,988.82 (total CO cost)

Project Name:		PFAS WELL 15			FO #:	
Material	Quantity	UOM	Material Type	Unit Price	Total	Credit
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
Sales Tax				0.0%	\$0.00	
Material Cost					\$0.00	
GC OH&Profit				15%	\$0.00	
Material Total					\$0.00	

Labor	Total	Crew Rate	Hours	Description	Crew Size	Labor Type	Total MH
	\$0.00	\$0.00				Supervisor	0
	\$0.00	\$0.00				Equipment Operator	
	\$0.00	\$0.00				Cement Finisher	
	\$0.00	\$0.00				Laborer	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00			Cost			
	\$0.00	15%		GC OH&Profit			
	\$0.00			Total			

Tools & Equipment	Name	Hours	Rate	Cost	Total Eq. Hours
	-	0	\$0.00	\$0.00	0
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	Cost		\$0.00		
	GC OH&Profit		\$0.00	15%	
	Total		\$0.00		

Subcontractors	Name	Trade/Specialty	Cost
	Ahern	Mechanical	\$16,581.02
	Cost		\$16,581.02
	Subcontractor Markup		\$1,243.58 7.50%
	Total		\$17,824.60

Summary	Cost Summary		Totals Summary		
	Material	\$0.00	Cost	\$16,581.02	
	Labor	\$0.00	Sub Markup	\$1,243.58	7.5%
	Equipment	\$0.00	GC OH&P	\$0.00	15%
	Subcontractors	\$16,581.02	Bond	\$207.26	1.25%
	Total Cost:	\$16,581.02	Total CO.	\$18,031.86	
			\$18,032.00		



855 Morris Street | P.O. Box 1316
Fond du Lac, WI 54936-1316
main 920.921.9020 | fax 920.929.8825
www.jfahern.com

8/7/2025
608-333-0121

Mr. Jake Cates
Joe Daniels Construction
919 Applegate Rd.
Madison, WI 53713

**RE: Madison Well #15
J. F. Ahern Co. Job No. 7548
Customer Contract No. 9342
JFACO010 GAC Tank Backwash Pipe Mods**

Dear Jake,

This change order is for the labor, material & equipment to provide two (2) 8" x 4" blind flange assemblies w/ a 4" ball valve to be used to connect a 4" hose to backwash the GAC tanks. This does not include any coatings, hoses or additional testing. Please note the lead time on the valves and blind flanges are a minimum 4 weeks from approval .

Respond by: 8/12/25

Sixteen Thousand Five Hundred Eighty One and 02/100	\$15,227.45
Dollars.....	\$16,581.02

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Sincerely,

J. F. Ahern Co.

Adam Landen

Adam Landen
Project Manager
WI Major Construction Division

Enclosures



Change Order Summary

Project: Madison Well #15 Project #: 7548 Proposal Date: 8/7/2025 Change Order #: 10 Revision: 0	
Description of Work: GAC Backwash Pipe Mods	
Total CO Amount:	16,581.02

Item Description	Calc Type	Quantity	Unit of Measure	Unit Price or Rate	PCT %	Total Amount
Subtotal Material	Lump Sum	1.00	Lump Sum	7,689.26		7,689.26
Delivery Costs	Lump Sum	1.00	Lump Sum	500.00		500.00
Sales Tax	Percent	8,189.26			0.00%	-
TOTAL M - Material						8,189.26
Foreman	Unit Price	20.00	Hour	135.68		2,713.60
Journeyman	Unit Price	20.00	Hour	116.88		2,337.60
Rigging/Tools	Percent	5,051.20			5.50%	277.82
TOTAL S - Subcontract						-
TOTAL E - Equipment						-
TOTAL G - General Conditions						-
Project Management	Unit Price	10.00	Hour	90.00		900.00
TOTAL P - Project Management						900.00
Overhead & Profit - Materials	Percent	8,189.26			15.00%	1,228.39
Overhead & Profit - Labor	Percent	5,329.02			15.00%	799.35
Overhead & Profit - Project Management	Percent	900.00			15.00%	135.00
TOTAL O - Overhead & Profit						2,162.74
TOTAL B - Bond & Insurance						-

Grand Total: **16,581.02**

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Revised for SDWLP Eligibility -
 Subcontractor tool costs, subcontractor
 projecty management and associated
 markup costs are inelible for COs.

-
 \$8,189.26 (materials)
 \$5,052.00 (labor)
 \$1,986.19 (15% markup)
 \$15,227.45 (total subcontractor cost)

Date:.... 8/7/2025

Job Number:..... 7548

RE:..... JFACO010 Backwash Pipe Mods

Page:.... 1 of 3

[illegible]



CHANGE ORDER

AV Project # M-00189

Aqueous Vets

16761 Clear Creek Road
Redding, CA 96001

Customer:
Madison Water Utility

Date: August 1, 1969
Valid Until: August 11, 1969
Project: Madison Well 15

Description	Qty	Unit Price	Line Total
1 8" raised face blind flanges w/ 4" NPT taps with 3M coating.	2	\$761.10	\$1,522.20

Total	\$1,522.20
--------------	-------------------

TAXES & FEES: The purchase price does not include any sales or similar taxes unless otherwise noted. Aqueous Vets shall not be responsible for any additional fees, tariffs, duties, or increased enacted by governmental agencies.

This Change Order amends the agreement between the parties governing the purchase and sale of goods and/or services for the project referred to above (the "Agreement"). Except as expressly amended by this Change Order, all other provisions of the Agreement remain in full force and effect and shall apply to the additional goods and services covered by this Change Order.

Buyer's Signature indicates acceptance of this Change Order

Signature

Print Name

Date

Thank you for your business!

16761 Clear Creek Road, Redding, CA, 96001

Tel: (925) 331-0573 Fax: (925) 886-4352 E-mail: info@aqueousvets.com Web: www.aqueousvets.com



CHANGE ORDER

AV Project # M-00189

Aqueous Vets

16761 Clear Creek Road
Redding, CA 96001

Customer:
Madison Water Utility

Date: July 30, 2025
Valid Until: August 9, 2025
Project: Madison Well 15

Description	Qty	Unit Price	Line Total
1 VALVE, BALL FULL PORT 4" 316SS 2-PIECE FLANGED MATCO #20SSFL11D	2	\$1,342.70	\$2,685.40

Total \$2,685.40

TAXES & FEES: The purchase price does not include any sales or similar taxes unless otherwise noted. Aqueous Vets shall not be responsible for any additional fees, tariffs, duties, or increased enacted by governmental agencies.

This Change Order amends the agreement between the parties governing the purchase and sale of goods and/or services for the project referred to above (the "Agreement"). Except as expressly amended by this Change Order, all other provisions of the Agreement remain in full force and effect and shall apply to the additional goods and services covered by this Change Order.

Buyer's Signature indicates acceptance of this Change Order

Signature

Print Name

Date

Thank you for your business!

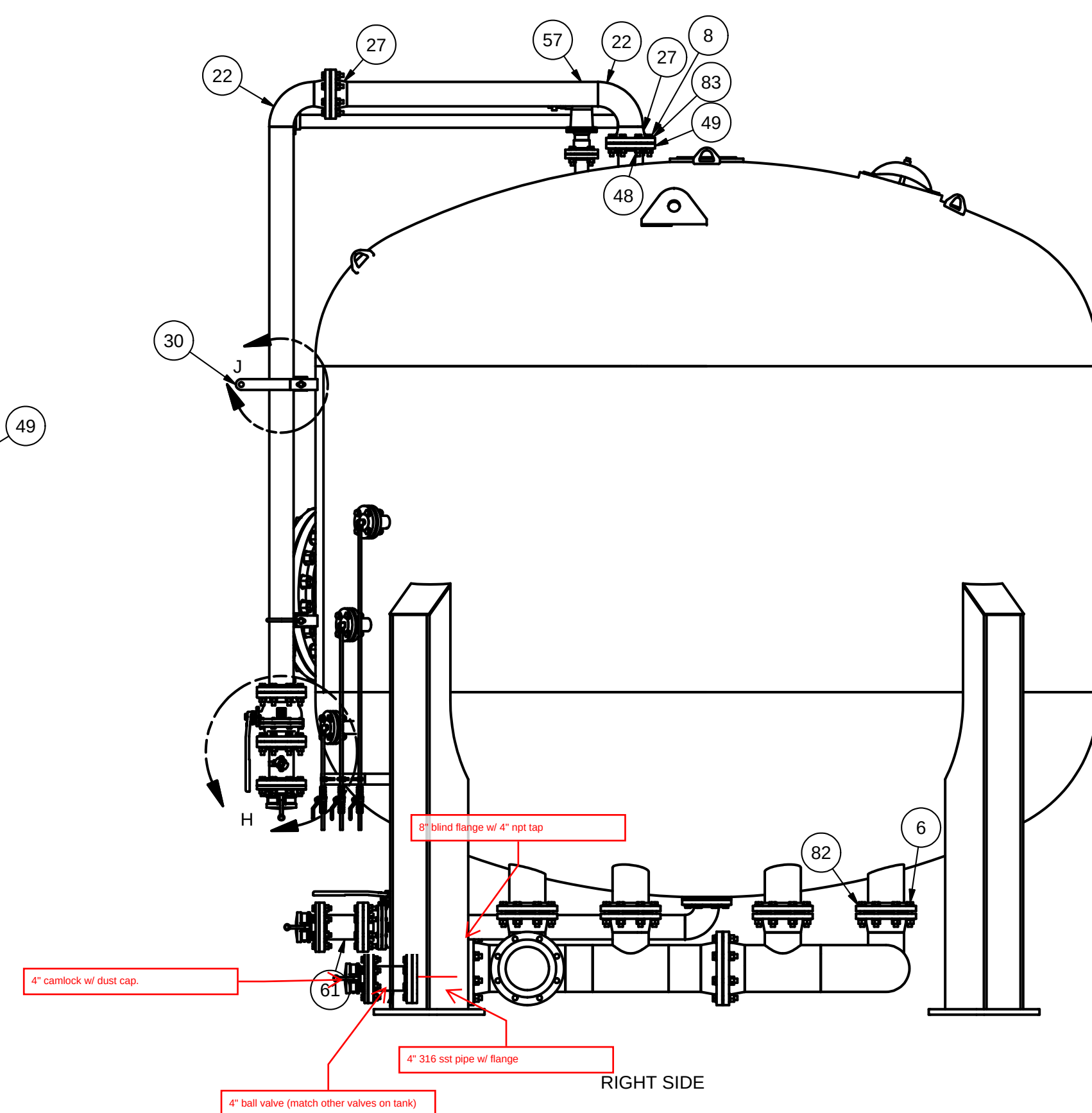
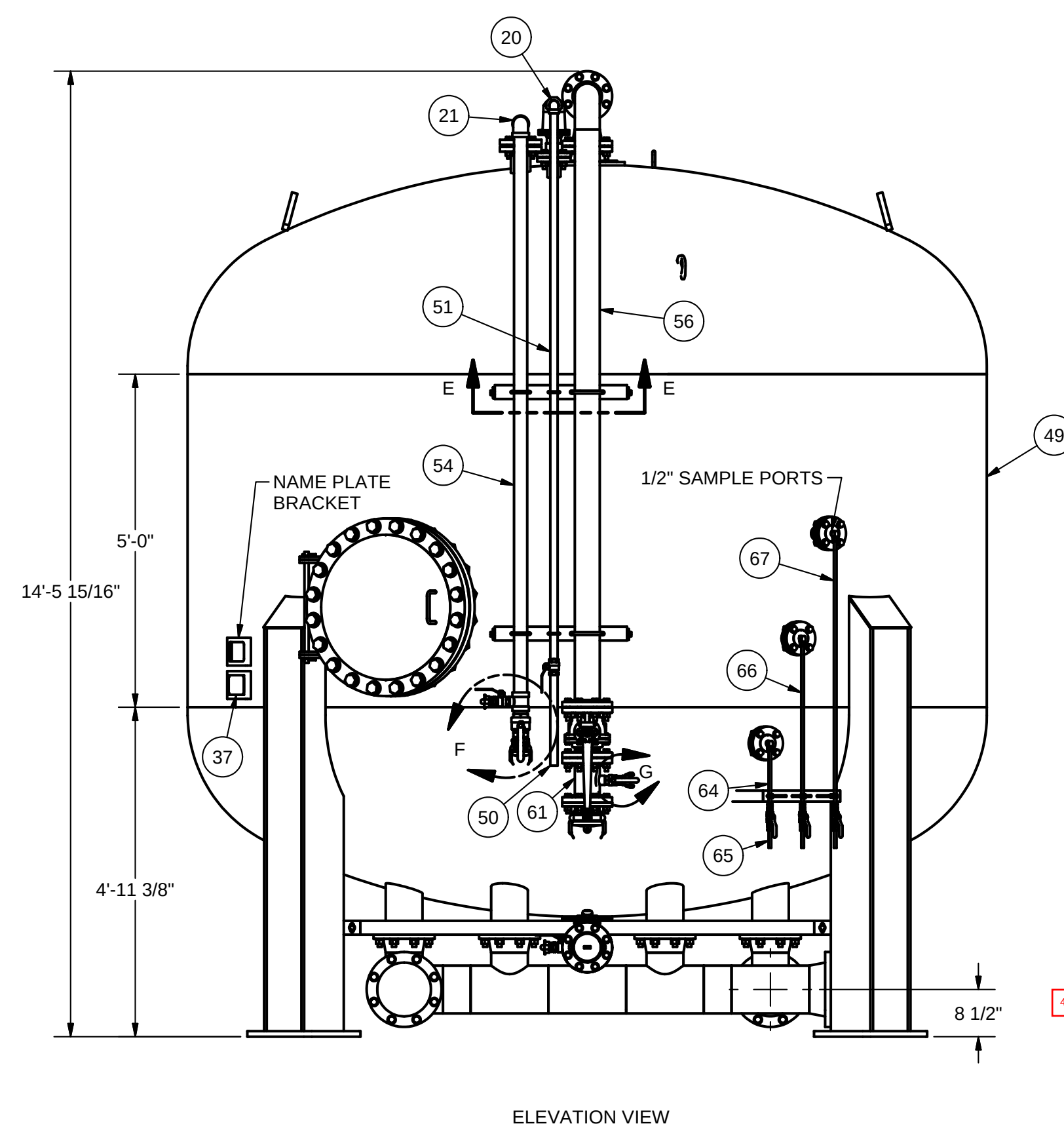
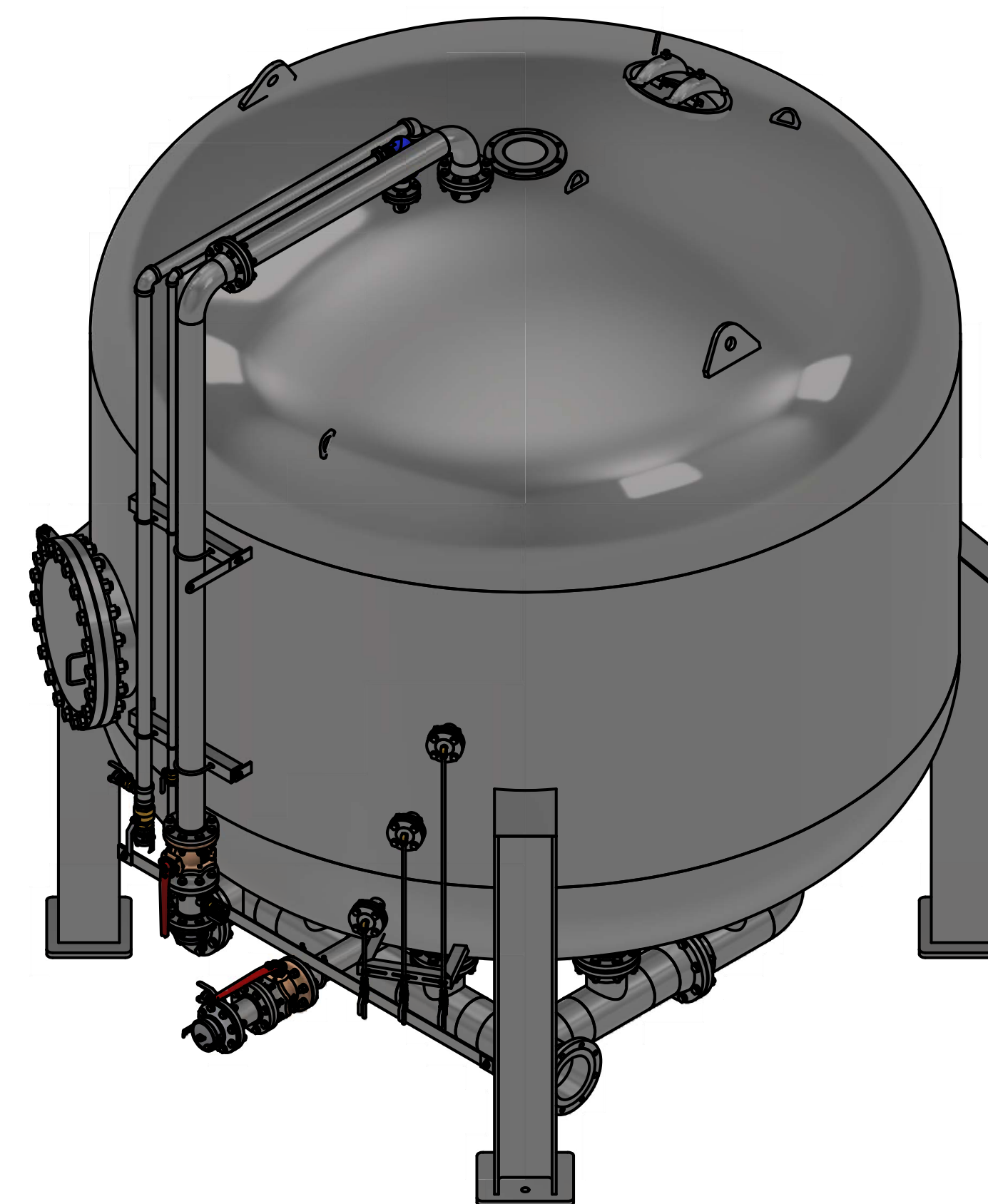
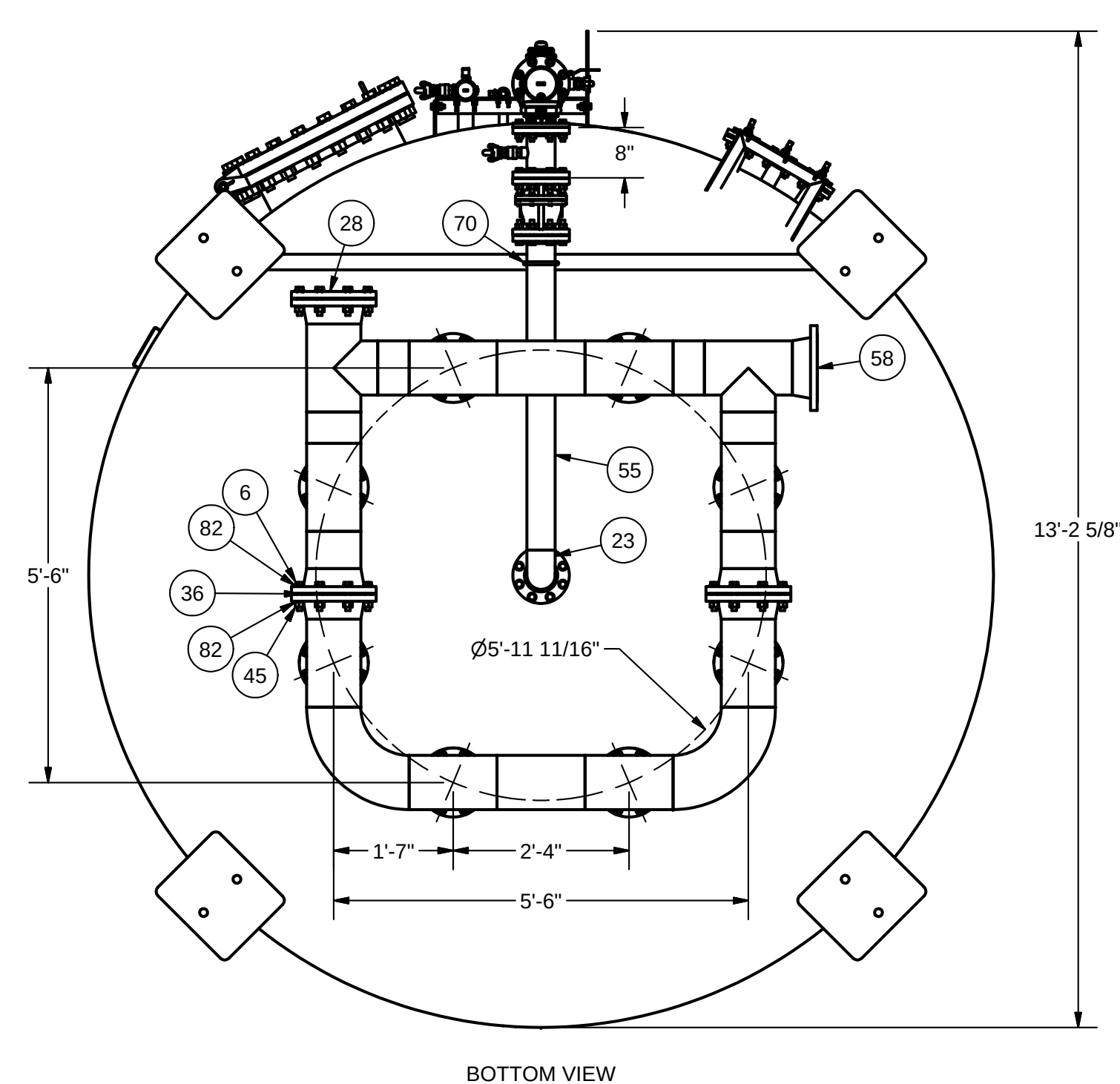
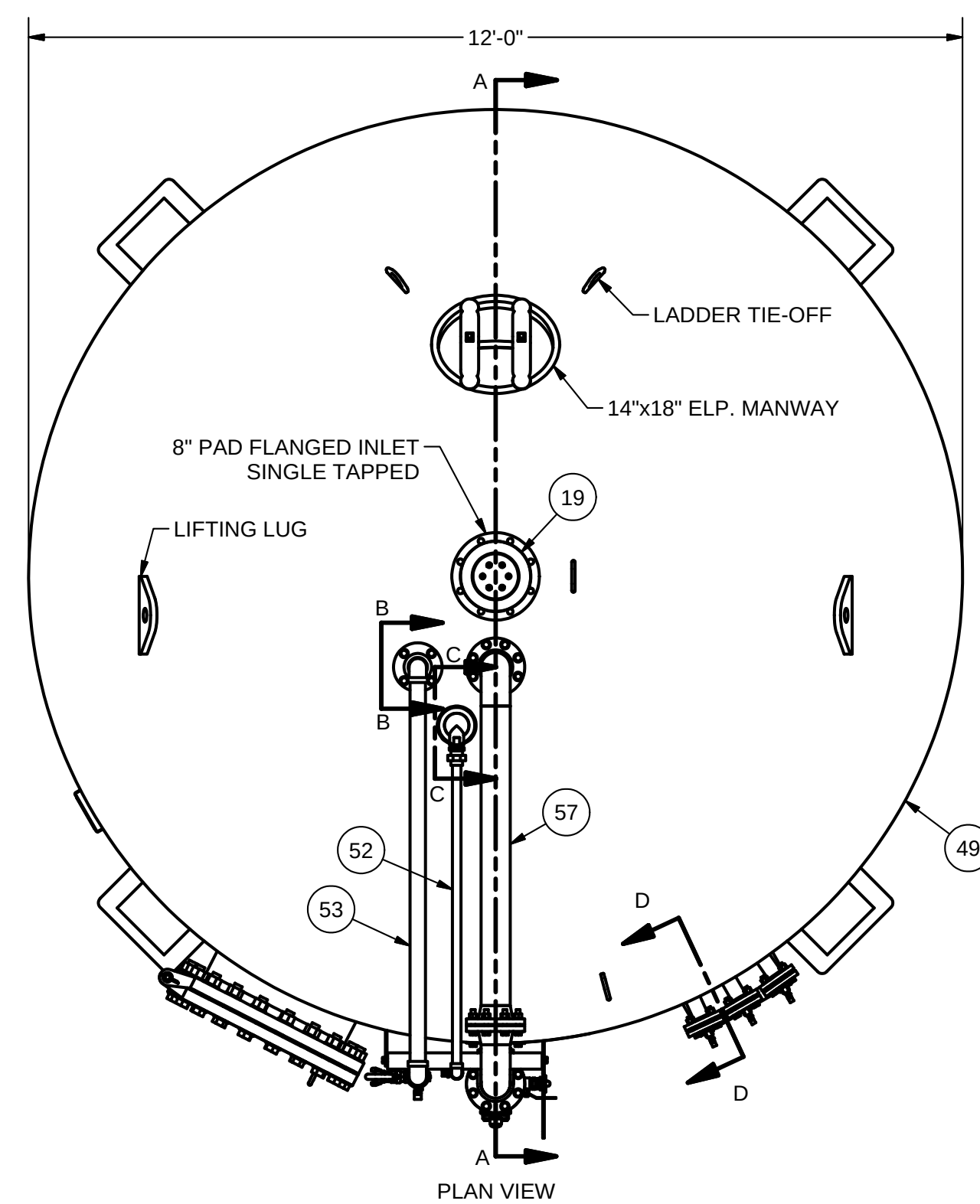
16761 Clear Creek Road, Redding, CA, 96001

Tel: (925) 331-0573

Fax: (925) 886-4352

E-mail: info@aqueousvets.com

Web: www.aqueousvets.com



- NOTE:
1. THIS DRAWING IS TO SHOW PIPING AND EQUIPMENT FOR CUSTOMER APPROVAL.
 2. PROVIDE STAINLESS STEEL SCREENS AT SEPTA UNDER DRAIN.
 3. VESSELS SHALL BE 100 PSI, ASME CODE.
 4. PIPING MATERIALS SHALL MEET: CS PIPE ASTM A-53 GRADE B (ERW); CS FITTINGS SA-234, ASME B16.9; SS THREADED FITTINGS ASTM A-351; SS PIPE ASTM A-312; SS BW FITTINGS ASTM A-403; MI THREADED FITTINGS ASME B-16.9.
 5. SURFACE PREPARATION: VESSEL: SSPC-SP6 INTERIOR & SSPC-SP6 EXTERIOR. SYSTEM PIPING: SSPC-SP10 INTERIOR & SSPC-SP6 EXTERIOR.
 6. FINISH VESSEL INTERIOR WITH 7-11 MILS OF TNEMC SERIES 21 (BEIGE PRIMER, WHITE FINISH COAT), PREPARE AND APPLY STRICTLY IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO MEET NSF STD 61 REQUIREMENTS. LINING TO BE CONTINUOUS TO OD OF THE RAISED FACE ON ALL NOZZLE FLANGES.
 7. FINISH VESSEL EXTERIOR WITH TNEMC SERIES 21 (BEIGE PRIMER), APPLIED PER MANUFACTURERS RECOMMENDATIONS.
 8. FINISH RING HEADER WITH 2-3 MILS CARBOATHANE 134 VOC, COLOR TBD, OVER 4-6 MILS CARBOGUARD 60 PRIMER, APPLIED PER MANUFACTURERS RECOMMENDATIONS.
 9. CS SLURRY/PROCESS PIPE 3" AND LARGER TO BE INTERNALLY LINED WITH 16MILS (MIN) OF 3M SCOTCHKOTE 134 FUSION BONDED EPOXY.
 10. VESSEL ESTIMATED SHIPPING WEIGHT: 16,000 LBS.
 11. GROUTING AND ANCHORING BY OTHERS IF REQUIRED.

COMPANY CONFIDENTIAL		DESIGNER:	DATE	TITLE
THIS DOCUMENT AND ALL INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF AQUAQUETS VETS AND/OR ITS AFFILIATES. THE DESIGN CONCEPTS AND INFORMATION CONTAINED HEREIN ARE PROPRIETARY TO AQUAQUETS VETS AND ARE SUBMITTED IN CONFIDENCE. THEY ARE NOT TRANSFERABLE AND MUST BE USED ONLY FOR THE PURPOSE FOR WHICH THE DOCUMENT IS EXPRESSLY LOANED. THEY MUST NOT BE REPRODUCED, COPIED, LOANED, OR USED IN ANY OTHER MANNER WITHOUT THE EXPRESS WRITTEN CONSENT OF AQUAQUETS VETS. IN NO EVENT SHALL THEY BE USED IN ANY MANNER DETRIMENTAL TO THE INTERESTS OF AQUAQUETS VETS. ALL RIGHTS ARE RESERVED UPON THE DEMAND OF AQUAQUETS VETS. THIS DOCUMENT, ALONG WITH ALL COPIES AND EXTRACTS, AND ALL RELATED NOTES AND ANALYSES, MUST BE RETURNED TO AQUAQUETS VETS OR DESTROYED, AS INSTRUCTED BY AQUAQUETS VETS. ACCEPTANCE OF THE DELIVERY OF THIS DOCUMENT CONSTITUTES AGREEMENT TO THESE TERMS AND CONDITIONS.		AMN	6/7/2024	PF 12-520 LowPro® 100 PSI SINGLE TANK ASSEMBLY
		CHECKER:	DATE	
		AJA	6/7/2024	CLIENT
		ENGINEER:	DATE	MADISON WATER UTILITY WELL 15 PFAS REMOVAL - GAC (MADISON, WI)
		RBB	6/7/2024	
		MANAGER:	DATE	16761 CLEAR CREEK ROAD REDDING, CA 96001 925-331-0573
SCALE:		PROJECT	CODE	DRAWING NUMBER
1/2" = 1'		M-00189		PF 12-520/LP ST
				SHEET
				1 OF 2

Change Order Request



Project name:

PFAS Well 15

Requested by:

AECOM

Date:

8/12/2025

Request name:

GAC Tank DI Piping Reroute

Request number:

Change description:

This change order is for the labor, material & equipment to provide 8" DI pipe on discharge of the GAC Tank 2 riser.

Change reason:

Proposed action:

Associated cost:

~~\$15,181.00~~

Approved by:

Date:

Revised for SDWLP CO Eligibility -
\$13,855.23 (subcontractor cost)
\$692.76 (5% GC markup)
\$14,548.00 (total CO cost)

Project Name:		PFAS WELL 15			FO #:	
Material	Quantity	UOM	Material Type	Unit Price	Total	Credit
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
Sales Tax				0.0%	\$0.00	
Material Cost					\$0.00	
GC OH&Profit				15%	\$0.00	
Material Total					\$0.00	

Labor	Total	Crew Rate	Hours	Description	Crew Size	Labor Type	Total MH
	\$0.00	\$0.00				Supervisor	0
	\$0.00	\$0.00				Equipment Operator	
	\$0.00	\$0.00				Cement Finisher	
	\$0.00	\$0.00				Laborer	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00			Cost			
	\$0.00	15%		GC OH&Profit			
	\$0.00			Total			

Tools & Equipment	Name	Hours	Rate	Cost	Total Eq. Hours
	-	0	\$0.00	\$0.00	0
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	Cost		\$0.00		
	GC OH&Profit		\$0.00	15%	
	Total		\$0.00		

Subcontractors	Name	Trade/Specialty	Cost
	Ahern	Mechanical	\$13,958.74
	Cost		\$13,958.74
	Subcontractor Markup		\$1,046.91 7.50%
	Total		\$15,005.65

Summary	Cost Summary		Totals Summary		
	Material	\$0.00	Cost	\$13,958.74	
	Labor	\$0.00	Sub Markup	\$1,046.91	7.5%
	Equipment	\$0.00	GC OH&P	\$0.00	15%
	Subcontractors	\$13,958.74	Bond	\$174.48	1.25%
	Total Cost:	\$13,958.74	Total CO:	\$15,180.13	
			\$15,181.00		



855 Morris Street | P.O. Box 1316
Fond du Lac, WI 54936-1316
main 920.921.9020 | fax 920.929.8825
www.jfahern.com

3/31/2025
608-333-0121

Mr. Jake Cates
Joe Daniels Construction
919 Applegate Rd.
Madison, WI 53713

**RE: Madison Well #15
J. F. Ahern Co. Job No. 7548
Customer Contract No. 9342
CO003 GAC Tank 2 DI Piping Reroute**

Dear Jake,

This change order is for the labor, material & equipment to provide 8" DI pipe on discharge of the GAC Tank 2 riser. The material has a minimum 6 week lead time from approval.

Respond by: 4/4/25

\$13,855.23

Thirteen Thousand Nine Hundred Fifty Eight and 74/100 Dollars.....~~\$13,958.74~~

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Sincerely,

J. F. Ahern Co.

Adam Landen

Adam Landen
Project Manager
WI Major Construction Division

Enclosures



Change Order Summary

Project: Madison Well #15 Project #: 7548 Proposal Date: 3/31/2025 Change Order #: 3 Revision:	
Description of Work: GAC Tank 2 DI Piping Reroute	
Total CO Amount:	13,958.74

Item Description	Calc Type	Quantity	Unit of Measure	Unit Price or Rate	PCT %	Total Amount
Subtotal Material	Lump Sum	1.00	Lump Sum	6,915.31		6,915.31
Delivery Costs	Lump Sum	1.00	Lump Sum	500.00		500.00
Sales Tax	Percent	7,415.31			0.00%	-
TOTAL M - Material						7,415.31
Supervision	Unit Price	2.00	Hour	135.68		271.36
Foreman	Unit Price	17.50	Hour	135.68		2,374.40
Journeyman	Unit Price	17.00	Hour	116.88		1,986.96
Tool Costs	Percent	4,632.72			0.00%	-
TOTAL L - Labor						4,632.72
TOTAL S - Subcontract						-
TOTAL E - Equipment						-
TOTAL G - General Conditions						-
Project Management	Unit Price	1.00	Hour	90.00		90.00
TOTAL P - Project Management						90.00
Overhead & Profit - Materials	Percent	7,415.31			15.00%	1,112.30
Overhead & Profit - Labor	Percent	4,632.72			15.00%	694.91
Overhead & Profit - Project Management	Percent	90.00			15.00%	13.50
TOTAL O - Overhead & Profit						1,820.71
TOTAL B - Bond & Insurance						-

Grand Total: **13,958.74**

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Revised for SDWLP Eligibility -
 Subcontractor tool costs, subcontractor
 projecty management and associated
 markup costs are inelible for COs.

-
 \$7,415.31 (materials)
 \$4,632.72 (labor)
 \$1,807.20 (15% markup)
 \$13,855.23 (total subcontractor cost)

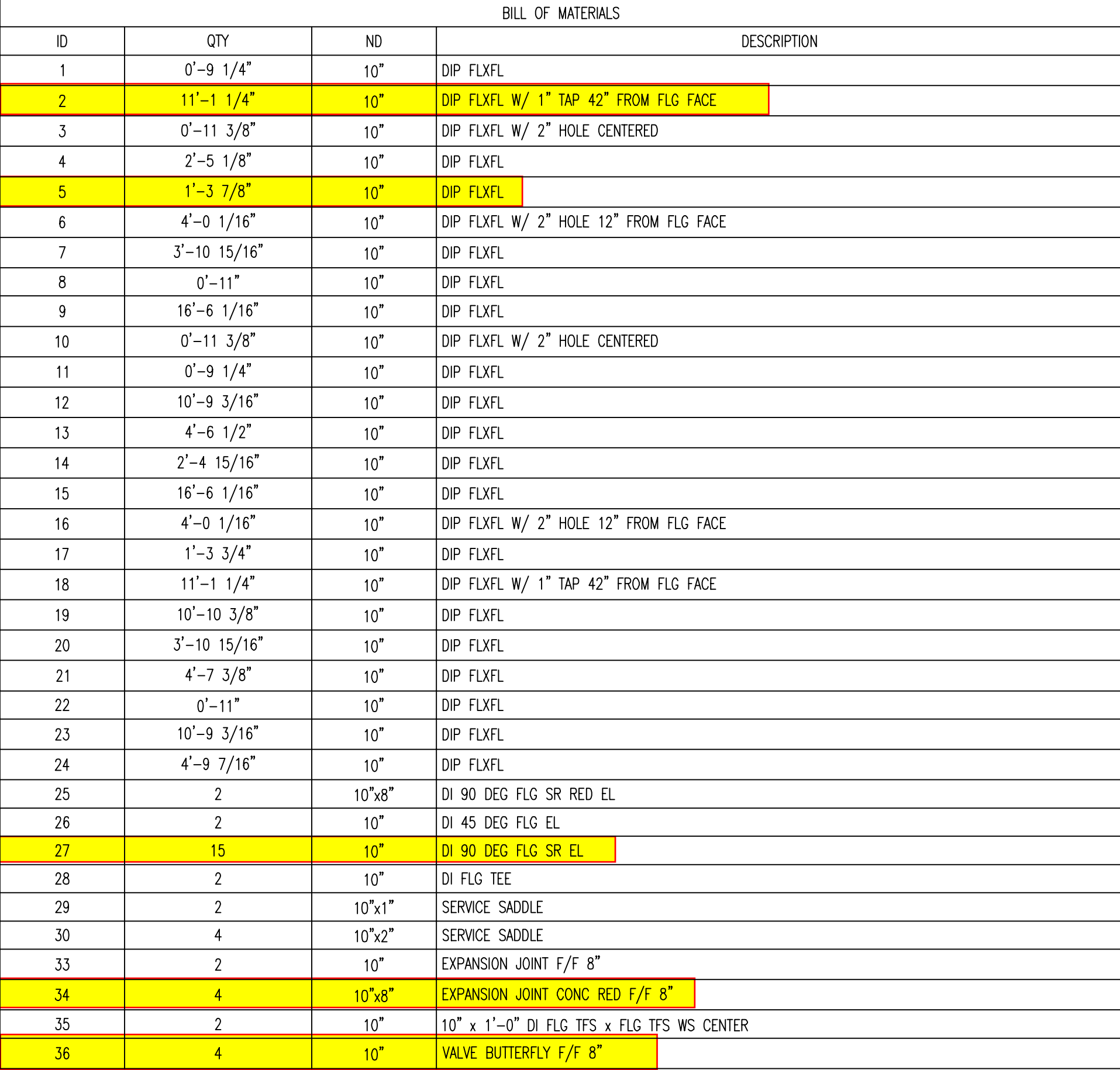
Date:.... 3/31/2025

Job Number:..... 7548

RE:..... JFACO003 GAC Tank Piping Reroute

Page:.... 1 of 3

[illegible]

[illegible]

The design information and data contained on this electronic media is provided to you as an instrument of service, protected by copyright law, and intended for your personal use and intended for use and reference relative only to the specific project they describe. J. F. Ahern Co. explicitly assumes no responsibility or liability for any other use of these electronic files whatsoever. The electronic files are not to be modified or released to a third party without the direct written permission of J. F. Ahern Co. Further, because transmission errors and read/write errors can occur and because electronic media stored can be modified by other parties, the information is not to be modified, J. F. Ahern Co. cannot guarantee the accuracy of these files.

STAMP

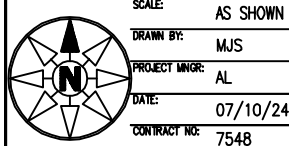


J. F. AHERN CO.
MECHANICAL & FIRE
PROTECTION CONTRACTORS
855 Morris St., P.O. Box 1316
Fond du Lac, WI 54936-1316
(920) 921-9020 p (920) 921-8614 f
www.jfahern.com

KEYPLAN

UNIT WELL 15 PFAS
TREATMENT FACILITY
3D BOM-EFF

IF DRAWING IS PLOTTED CORRECTLY
THIS BAR SHOULD MEASURE 1".



CONSTRUCTION DOCUMENTS

MP-401

PRELIMINARY DRAWING DATE: 08/12/2024

Change Order Request



Project name:

PFAS Well 15

Requested by:

AECOM

Date:

8/12/2025

Request name:

RFI60- Insulation PVC Jacketing

Request number:

RFI60

Change description:

This change order is for the labor, material & equipment to provide PVC jacketing on the roof drain, domestic water and CWS/R lines for the project. Currently only the fittings are included to receive any jacketing.

Change reason:

Proposed action:

Associated cost:

~~\$5,831.00~~

Approved by:

Date:

Revised for SDWLP CO Eligibility -
\$5,309.85 (subcontractor cost)
\$265.79 (5% GC markup)
\$5,575.34 (total CO cost)

Project Name:		PFAS WELL 15			FO #:	
Material	Quantity	UOM	Material Type	Unit Price	Total	Credit
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
Sales Tax				0.0%	\$0.00	
Material Cost					\$0.00	
GC OH&Profit				15%	\$0.00	
Material Total					\$0.00	

Labor	Total	Crew Rate	Hours	Description	Crew Size	Labor Type	Total MH
	\$0.00	\$0.00				Supervisor	0
	\$0.00	\$0.00				Equipment Operator	
	\$0.00	\$0.00				Cement Finisher	
	\$0.00	\$0.00				Laborer	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00			Cost			
	\$0.00	15%		GC OH&Profit			
	\$0.00			Total			

Tools & Equipment	Name	Hours	Rate	Cost	Total Eq. Hours
	-	0	\$0.00	\$0.00	0
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	Cost		\$0.00		
	GC OH&Profit		\$0.00	15%	
	Total		\$0.00		

Subcontractors	Name	Trade/Specialty	Cost
	Ahern	Mechanical	\$5,361.60
	Cost		\$5,361.60
	Subcontractor Markup		\$402.12 7.50%
	Total		\$5,763.72

Summary	Cost Summary		Totals Summary	
	Material	\$0.00	Cost	\$5,361.60
	Labor	\$0.00	Sub Markup	\$402.12 7.5%
	Equipment	\$0.00	GC OH&P	\$0.00 15%
	Subcontractors	\$5,361.60	Bond	\$67.02 1.25%
	Total Cost:	\$5,361.60	Total CO:	\$5,831.74
				\$5,831.00



855 Morris Street | P.O. Box 1316
Fond du Lac, WI 54936-1316
main 920.921.9020 | fax 920.929.8825
www.jfahern.com

7/10/2025
608-333-0121

Mr. Jake Cates
Joe Daniels Construction
919 Applegate Rd.
Madison, WI 53713

**RE: Madison Well #15
J. F. Ahern Co. Job No. 7548
Customer Contract No. 9342
JFACO007 Insulation PVC Jacketing**

Dear Jake,

This change order is for the labor, material & equipment to provide PVC jacketing on the roof drain, domestic water and CWS/R lines for the project. Currently only the fittings are included to receive any jacketing.

Respond by: 7/17/25

\$5,309.85

Five Thousand Three Hundred Sixty One and 60/100 Dollars.....~~\$5,361.60~~

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Sincerely,

J. F. Ahern Co.

Adam Landen

Adam Landen
Project Manager
WI Major Construction Division

Enclosures



Change Order Summary

Project: Madison Well #15	
Project #: 7548	
Proposal Date: 7/10/2025	
Change Order #: 7	
Revision: 0	
Description of Work: Insulation PVC Jacketing	
Total CO Amount:	5,361.60

Item Description	Calc Type	Quantity	Unit of Measure	Unit Price or Rate	PCT %	Total Amount
TOTAL M - Material						-
TOTAL L - Labor						-
L&S Insulation	Lump Sum	1.00	Lump Sum	5,057.00		5,057.00
Subcontractor Handling Fee	Percent	5,057.00				-
TOTAL S - Subcontract						5,057.00
TOTAL E - Equipment						-
TOTAL G - General Conditions						-
Project Management	Unit Price	0.50	Hour	90.00		45.00
TOTAL P - Project Management						45.00
Overhead & Profit - Subcontractor	Percent	5,057.00			5.00%	252.85
Overhead & Profit - Project Management	Percent	45.00			15.00%	6.75
TOTAL O - Overhead & Profit						259.60
TOTAL B - Bond & Insurance						-

Grand Total: **5,361.60**

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Revised for SDWLP Eligibility -
Subcontractor tool costs, subcontractor
projecty management and associated
markup costs are inelible for COs.
-
\$2,712 (materials)
\$2,345 (labor)
\$252.85 (5% subcontractor markup)
\$5,309.85 (total subcontractor cost)

L & C INSULATION INC.

**La Crosse / Eau Claire / Wausau / Appleton
3120 Airport Rd., P.O. Box 2412
La Crosse, WI 54602-2412
Phone 608-781-9071 Fax 608-781-9031**

Attention: Adam Landen

Project: Madison Well 15

Section: Plumbing Insulation

Date: July 8, 2025

Price: Five thousand fifty-seven and 00/100 dollars.

\$ 5,057.00

Notes:

This quote includes:

- 1. Added PVC for CWS/CWR, roof drain lines, and domestic water lines.**

Material: \$ 2,712.00

Labor: \$ 2,345.00

***Bid does not include price to endorse additional entities under our insurance policy.**

***All addenda acknowledged**

***Price does not include prevailing wage pricing**

Insulation Contractor Zach Brueggeman

Zach Brueggeman, Estimator L&C

Adam Landen

From: Angel Gebeau via Procore <Daniels_General_Contractors@update.procore.com>
Sent: Monday, July 7, 2025 3:14 PM
To: Adam Landen
Subject: PFAS Well #15: Response to RFI #60 (Insulation PVC Jacketing)

<< This message originated outside of Ahern's email system. Use caution and verify the sender if this message contains attachments, links or requests for information. >>



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Daniels Construction
PFAS Well #15



More details: [View Online](#) | [View PDF](#)

**Angel Gebeau (AECOM) responded on 07/07/25
03:14 pm CDT.**

Response: Please provide the cost to add PVC jacketing to the water lines so it can be reviewed with the owner.

Attachments: **None**

RFI Details

This RFI is due on 07/07/25.

Question

Asked By: **Heather Bethke (J.F. Ahern Co.)**

Date: **06/27/25 01:52 pm CDT**

Question: The contractor observed that the insulation onsite includes pvc jacketing. The approved 22 00 10 insulation submittal includes pvc jacketing at the elbows but not on the entire run of insulation. The specification requires pvc jacketing within chemical rooms, mechanical rooms and/or piping that is 8' above the floor. All piping that would be insulated are not located in any of these areas and/or above 8' above the finished floor.
Please confirm PVC jacketing is not required.

Attachments: [JFA RFI #027 Insulation PVC Jacketing.pdf](#)

All Replies

Answered By: **Angel Gebeau (AECOM)**

Date: **07/07/25 03:14 pm CDT**

Response: Please provide the cost to add PVC jacketing to the water lines so it can be reviewed with the owner.

Attachments: **None**

Additional Details

Project: **PFAS Well #15**

Subject: **Insulation PVC Jacketing**

Date Initiated: **06/30/25**

Created By: **Heather Bethke (J.F. Ahern Co.)**

Assigned To: **Chuck Dean (AECOM)**
Angel Gebeau (AECOM)

Responsible Contractor: **J.F. Ahern Co.**

Received From: **Adam Landen (J.F. Ahern Co.)**

Distribution List: **Heather Bethke (J.F. Ahern Co.)**
Jake Cates (Daniels Construction)
Joseph Grande (City of Madison Water Utility)



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8/18/2025
608-333-0121

Mr. Jake Cates
Joe Daniels Construction
919 Applegate Rd.
Madison, WI 53713

**RE: Madison Well #15
J. F. Ahern Co. Job No. 7548
Customer Contract No. 9342
JFACO13 FCU 15-02 New Unit Install**

Dear Jake,

This change order is for the labor, material & equipment to provide a new FCU 15-02 unit. This would be a direct replacement with a direct drive opposed to the belt drive. The lead time is approx. 5-7 weeks from approval for the new unit. Owner to confirm if speed switch or 0-10 signal is preferred on new unit prior to ordering.

Respond by: 8/22/25

Twelve Thousand Seven Hundred Eighty and 94/100 Dollars.....\$12,780.94

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Sincerely,

J. F. Ahern Co.

Adam Landen

Adam Landen
Project Manager
WI Major Construction Division

Enclosures



Change Order Summary

Project: Madison Well #15

Project #: 7548

Proposal Date: 8/18/2025

Change Order #: 13

Revision: 0

Description of Work: FCU 15-02 New Unit Install

Total CO Amount: 12,780.94

Item Description	Calc Type	Quantity	Unit of Measure	Unit Price or Rate	PCT %	Total Amount
Subtotal Material	Lump Sum	1.00	Lump Sum	7,040.00		7,040.00
Delivery Costs	Lump Sum	1.00	Lump Sum	250.00		250.00
Sales Tax	Percent	7,290.00			0.00%	-
TOTAL M - Material						7,290.00
Foreman	Unit Price	13.00	Hour	135.68		1,763.84
Journeyman	Unit Price	13.00	Hour	116.88		1,519.44
Tool Costs	Percent	3,283.28			5.50%	180.58
TOTAL L - Labor						3,463.86
TOTAL S - Subcontract						-
TOTAL E - Equipment						-
TOTAL G - General Conditions						-
Project Management	Unit Price	4.00	Hour	90.00		360.00
TOTAL P - Project Management						360.00
Overhead & Profit - Materials	Percent	7,290.00			15.00%	1,093.50
Overhead & Profit - Labor	Percent	3,463.86			15.00%	519.58
Overhead & Profit - Project Management	Percent	360.00			15.00%	54.00
TOTAL O - Overhead & Profit						1,667.08
TOTAL B - Bond & Insurance						-

Grand Total: **12,780.94**

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Revised for SDWLP Eligibility -
Subcontractor tool costs, subcontractor
projecty management and associated
markup costs are inelible for COs.

-
\$7,290.00 (materials)
\$3283.28 (labor)
\$1,585.99 (15% subcontractor markup)
\$12,159.27 (total subcontractor cost)

Revised for SDWLP CO Eligibility -
\$12,159.27 (subcontractor cost)
\$607.96 (5% GC markup)
\$12,767.24 (total CO cost)

Change Order Request



Project name:

PFAS Well 15

Requested by:

AECOM

Date:

8/12/2025

Request name:

Pipe Loop Air Release

Request number:

Change description:

This change order is for the labor, material & equipment to provide two (2) 2" air release/vacuum valves to replace the air release valves within the pipe loop. This change order also includes replacing all the 2" pvc air release/vacuum vent piping to copper. The additional 2" vent lines for the proposed added valves are also included. The air release/vacuum valves have a minimum 10-12 week lead time.

Change reason:

Proposed action:

Associated cost:

~~\$27,857.00~~

Approved by:

Date:

Revised for SDWLP CO Eligibility -
\$24,768.99 (subcontractor cost)
\$1,238.45 (5% GC markup)
\$26,007.44 (total CO cost)

Project Name:		PFAS WELL 15			FO #:	
Material	Quantity	UOM	Material Type	Unit Price	Total	Credit
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
Sales Tax				0.0%	\$0.00	
Material Cost					\$0.00	
GC OH&Profit				15%	\$0.00	
Material Total					\$0.00	

Labor	Total	Crew Rate	Hours	Description	Crew Size	Labor Type	Total MH
	\$0.00	\$0.00				Supervisor	0
	\$0.00	\$0.00				Equipment Operator	
	\$0.00	\$0.00				Cement Finisher	
	\$0.00	\$0.00				Laborer	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00			Cost			
	\$0.00	15%		GC OH&Profit			
	\$0.00			Total			

Tools & Equipment	Name	Hours	Rate	Cost	Total Eq. Hours
	-	0	\$0.00	\$0.00	0
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	Cost			\$0.00	
	GC OH&Profit			\$0.00	15%
	Total			\$0.00	

Subcontractors	Name	Trade/Specialty	Cost
	Ahern	Mechanical	\$25,614.96
	Cost		\$25,614.96
	Subcontractor Markup		\$1,921.12
	Total		\$27,536.08

Summary	Cost Summary		Totals Summary	
	Material	\$0.00	Cost	\$25,614.96
	Labor	\$0.00	Sub Markup	\$1,921.12 7.5%
	Equipment	\$0.00	GC OH&P	\$0.00 15%
	Subcontractors	\$25,614.96	Bond	\$320.19 1.25%
	Total Cost:	\$25,614.96	Total CO:	\$27,856.27
				\$27,857.00



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8/8/2025
608-333-0121

Mr. Jake Cates
Joe Daniels Construction
919 Applegate Rd.
Madison, WI 53713

**RE: Madison Well #15
J. F. Ahern Co. Job No. 7548
Customer Contract No. 9342
JFACO011 Pipe Loop Air Release/Vacuum & 2" Air Release/Vacuum Vent Piping**

Dear Jake,

This change order is for the labor, material & equipment to provide two (2) 2" air release/vacuum valves to replace the air release valves within the pipe loop. This change order also includes replacing all the 2" pvc air release/vacuum vent piping to copper. The additional 2" vent lines for the proposed added valves are also included. The air release/vacuum valves have a minimum 10-12 week lead time.

Respond by: 8/12/25

\$24,768.99

Twenty Five Thousand Six Hundred Fourteen and 96/100 Dollars.....~~\$25,614.96~~

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation, tariffs and / or acceleration and extended warranties.

Sincerely,

J. F. Ahern Co.

Adam Landen

Adam Landen
Project Manager
WI Major Construction Division

Enclosures



Change Order Summary

Project: Madison Well #15 Project #: 7548 Proposal Date: 8/8/2025 Change Order #: 11 Revision: 0	
Description of Work: Pipe Loop Air Release/Vac & 2" Air Vent Piping	
Total CO Amount:	25,614.96

Item Description	Calc Type	Quantity	Unit of Measure	Unit Price or Rate	PCT %	Total Amount
Subtotal Material	Lump Sum	1.00	Lump Sum	11,185.85		11,185.85
Delivery Costs	Lump Sum	1.00	Lump Sum	250.00		250.00
Sales Tax	Percent	11,435.85			0.00%	-
TOTAL M - Material						11,435.85
Foreman	Unit Price	40.00	Hour	135.68		5,427.20
Journeyman	Unit Price	40.00	Hour	116.88		4,675.20
Tool Costs	Percent	10,102.40			5.50%	555.03
TOTAL L - Labor						10,658.03
TOTAL S - Subcontract						-
TOTAL E - Equipment						-
TOTAL G - General Conditions						-
Project Management	Unit Price	2.00	Hour	90.00		180.00
TOTAL P - Project Management						180.00
Overhead & Profit - Materials	Percent	11,435.85			15.00%	1,715.38
Overhead & Profit - Labor	Percent	10,658.03			15.00%	1,598.70
Overhead & Profit - Project Management	Percent	180.00			15.00%	27.00
TOTAL O - Overhead & Profit						3,341.08
TOTAL B - Bond & Insurance						-

Grand Total: **25,614.96**

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Revised for SDWLP Eligibility -
 Subcontractor tool costs, subcontractor
 projecty management and associated
 markup costs are inelible for COs.

-
 \$11,435.85 (materials)
 \$10,102.40 (labor)
 \$3,230.74 (15% markup)
 \$24,768.99 (total subcontractor cost)

Date:.... 8/8/2025

Page:.... 1 of 3

Adam Landen

To: Treuden, Rich
Cc: Schaefer, Joe; Wiskowski, Robert; Traver, Shanel
Subject: RE: Well 15 Air Release/Vacuum Valves

From: Treuden, Rich <rich.treuden@coreandmain.com>
Sent: Monday, August 4, 2025 1:07 PM
To: Adam Landen <ALanden@jfahern.com>
Cc: Schaefer, Joe <Joe.Schaefer@coreandmain.com>; Wiskowski, Robert <Robert.Wiskowski@coreandmain.com>; Traver, Shanel <Shanel.Traver@coreandmain.com>
Subject: RE: Well 15 Air Release/Vacuum Valves

<< This message originated outside of Ahern's email system. Use caution and verify the sender if this message contains attachments, links or requests for information. >>

Good afternoon, Adam. Please see the following pricing:

2 each – 2" Crispin AL20-US Air Valve	\$1835.00 / each	10-12 week lead-time
---------------------------------------	------------------	----------------------

Thanks.....Rich

Private

From: Adam Landen <ALanden@jfahern.com>
Sent: Monday, August 4, 2025 7:34 AM
To: Treuden, Rich <rich.treuden@coreandmain.com>
Subject: Well 15 Air Release/Vacuum Valves

CAUTION: External

Good morning Rich.

Are you able to provide cost and lead time for two (2) additional 2" Crispin Air Release/Vacuum valves. These should match the previous 4 ordered for the Madison Well 15 project.

Thanks,
Adam Landen | Project Manager
LEED Green Associate
J.F. Ahern Co.

855 Morris Street, Fond du Lac, WI 54935
T: 920.921.9020 | DL: 920.907.5596 | C: 920.539.9622
alanden@jfahern.com | jfahern.com

Change Order Request



Project name:

PFAS Well 15

Requested by:

AECOM

Date:

8/12/2025

Request name:

RFI 34- Existing Valve at Proposed Stairway

Request number:

PCO#1

Change description:

Remove existing valve actuator on floor located underneath proposed stairway. New handwheel operator added to valve in tank for future operational needs.

Change reason:

Valve in the way of new staircase, not operable once stairs are installed

Proposed action:

RFI Response: The valve actuator and pad shall be removed above grade. The valve actuator should be removed down to the connector just above the valve in the lower level. A new handwheel operator will be added to the valve in the tank for future operational needs. Cost for this work and handwheel operator should be communicated to the project team.

Associated cost:

~~\$819.00~~

Approved by:

Date:

Revised for SDWLP CO Eligibility -
\$439.94 (subcontractor cost)
\$22.00 (5% GC markup)
\$461.94 (total CO cost)

Project Name:		Madison Unit Well 19			CB #:	6
Material	Quantity	UOM	Material Type	Unit Price	Total	Credit
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
Sales Tax				5.5%	\$0.00	
Material Cost					\$0.00	
GC OH&Profit				15%	\$0.00	
Material Total					\$0.00	

Labor	Total	Crew Rate	Hours	Description	Crew Size	Labor Type	Total MH
	\$223.95	\$111.97	2	Remove valve stem at floor	1	Supervisor	2
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$223.95			Cost			
	\$39.52	15%		GC OH&Profit			
	\$263.47			Total			

Tools & Equipment	Name	Hours	Rate	Cost	Total Eq. Hours
	-	0	\$0.00	\$0.00	0
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	Cost		\$0.00		
	GC OH&Profit		\$0.00	15%	
	Total		\$0.00		

Subcontractors	Name	Trade/Specialty	Cost
	JF Ahern	Mechanical/Process	\$507.67
	Cost		\$507.67
	Subcontractor Markup		\$38.08 7.50%
	Total		\$545.75

Summary	Cost Summary		Totals Summary		
	Material	\$0.00	Cost	\$731.62	
	Labor	\$223.95	Sub Markup	\$38.08	7.5%
	Equipment	\$0.00	GC OH&P	\$39.52	15%
	Subcontractors	\$507.67	Bond	\$9.15	1.25%
	Total Cost:	\$731.62	Total CO:	\$818.36	
			\$819.00		



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www.jfahern.com

7/2/2025
608-333-0121

Mr. Jake Cates
Joe Daniels Construction
919 Applegate Rd.
Madison, WI 53713

**RE: Madison Well #15
J. F. Ahern Co. Job No. 7548
Customer Contract No. 9342
JFACO05 Reservoir Tank Handwheel**

Dear Jake,

This change order is for the labor, material & equipment to provide one (1) handwheel within the reservoir tank on the existing gate valve.

Respond by:

\$439.94

Five Hundred Seven and 67/100 Dollars.....~~\$507.67~~

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Sincerely,

J. F. Ahern Co.

Adam Landen

Adam Landen
Project Manager
WI Major Construction Division

Enclosures

File:



Change Order Summary

Project: Madison Well #15	
Project #: 7548	
Proposal Date: 7/2/2025	
Change Order #: 5	
Revision: 0	
Description of Work: Reservoir Tank Handwheel	
Total CO Amount:	507.67

Item Description	Calc Type	Quantity	Unit of Measure	Unit Price or Rate	PCT %	Total Amount
Subtotal Material	Lump Sum	1.00	Lump Sum	130.00		130.00
Sales Tax	Percent	130.00			0.00%	-
TOTAL M - Material						130.00
Foreman	Unit Price	1.00	Hour	135.68		135.68
Journeyman	Unit Price	1.00	Hour	116.88		116.88
Tool Costs	Percent	252.56			5.50%	13.89
TOTAL L - Labor						266.45
TOTAL S - Subcontract						-
TOTAL E - Equipment						-
TOTAL G - General Conditions						-
Project Management	Unit Price	0.50	Hour	90.00		45.00
TOTAL P - Project Management						45.00
Overhead & Profit - Materials	Percent	130.00			15.00%	19.50
Overhead & Profit - Labor	Percent	266.45			15.00%	39.97
Overhead & Profit - Project Management	Percent	45.00			15.00%	6.75
TOTAL O - Overhead & Profit						66.22
TOTAL B - Bond & Insurance						-

Grand Total: **507.67**

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Revised for SDWLP Eligibility -
Subcontractor tool costs, subcontractor
projecty management and associated
markup costs are inelible for COs.

-
\$130.00 (materials)
\$252.56 (labor)
\$57.38 (15% markup)
\$439.94 (total subcontractor cost)

Page:.... 2 of 3[illegible]

RFI #34: Existing Valve at Proposed Stairway

Status	Closed on 10/25/24		
To	Angel Gebeau (AECOM) Ginger L'Heureux (AECOM) Jonas Packer (AECOM)	From	Ashley Scholz (Daniels Construction) 919 Applegate Road Madison, Wisconsin 53713
Date Initiated	Sep 19, 2024	Due Date	Sep 26, 2024
Location		Project Stage	Course of Construction
Cost Impact	Yes (Unknown)	Schedule Impact	No
Spec Section		Cost Code	
Drawing Number		Reference	
Linked Drawings			
Received From	Jeff Kellesvig (Daniels Construction)		
Copies To	Jake Cates (Daniels Construction), Joseph Grande (City of Madison Water Utility), Pete Holmgren (City of Madison Water Utility), Jeff Kellesvig (Daniels Construction), Adam Wiederhoeft (City of Madison Water Utility)		

Activity

Question

Question from Ashley Scholz Daniels Construction on Thursday, Sep 12, 2024 at 02:43 PM CDT

Existing Valve not shown on plans to be moved will be right underneath our new stairs going into the filter room. What are we doing with this?

Attachments

[20240911_134240.jpg](#)

Official Response

Response from Angel Gebeau AECOM on Thursday, Oct 24, 2024 at 03:44 PM CDT

The valve actuator and pad shall be removed above grade. The valve actuator should be removed down to the connector just above the valve in the lower level. A new handwheel operator will be added to the valve in the tank for future operational needs. Cost for this work and handwheel operator should be communicated to the project team.



INVOICE

1830 Craig Park Court
St. Louis, MO 63146

Invoice # W746752
Invoice Date 4/24/25
Account # 098248
Sales Rep JOSEPH SCHAEFER
Phone # 608-834-1311
Branch #233 Sun Prairie, WI
Total Amount Due \$130.00

Remit To:
CORE & MAIN LP
PO BOX 28330
ST LOUIS, MO 63146

JF AHERN COMPANY
ACCOUNTS PAYABLE
PO BOX 1316
FOND DU LAC WI 54936-1316

000/0000
00000

Shipped To:
c/o MADISON MECHANICAL
3821 ANDERSON ROAD
DEREK (608) 977-1849
DEFOREST, WI

CUSTOMER JOB- 7548 MADISON WELL 15 MADISON WELL 15

Thank you for the opportunity to serve you! We appreciate your prompt payment.

Date Ordered	Date Shipped	Customer PO #	Job Name	Job #	Bill of Lading	Shipped Via	Invoice#
4/07/25	4/23/25	240-31367	MADISON WELL 15	7548		CORE & MAIN LP	W746752

Product Code	Description	Quantity		B/O	Price	UM	Extended Price
		Ordered	Shipped				
51TR3674961	TRUMBULL 367-4961 HANDWHEEL 14" DIA. (BORED FOR 1-1/2" SOLID ROD)	1	1		130.00000	EA	130.00

Freight Delivery Handling Restock Misc

Terms: NET 30
Ordered By: ANDY WAGNER

Subtotal: 130.00
Other: .00
Tax: .00
Invoice Total: \$130.00

This transaction is governed by and subject to Core & Main's standard terms and conditions, which are incorporated by reference and accepted.
To review these terms and conditions, please visit: <https://coreandmain.com/terms-of-sale/>

Change Order Request



Project name:

PFAS Well 15

Requested by:

AECOM

Date:

8/12/2025

Request name:

Sump Pump Flow Meter Reroute

Request number:

Change description:

This change order is for the labor, material & equipment to replace the existing flow meter w/ a new flow meter provided by Owner. This also includes the addition of one (1) 3" bypass line & 3" trap. Two (2) 2" NPSH connections w/ caps for testing. A 3/4" drain w/ garden hose connection will be installed which can be used to drain the isolated section when testing is complete.

Change reason:

Proposed action:

Associated cost:

~~\$8,726.00~~

Approved by:

Date:

Revised for SDWLP CO Eligibility -
\$7,377.50 (subcontractor cost)
\$368.88 (5% GC markup)
\$7,746.38 (total CO cost)

Project Name:		PFAS WELL 15			FO #:	
Material	Quantity	UOM	Material Type	Unit Price	Total	Credit
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
Sales Tax				0.0%	\$0.00	
Material Cost					\$0.00	
GC OH&Profit				15%	\$0.00	
Material Total					\$0.00	

Labor	Total	Crew Rate	Hours	Description	Crew Size	Labor Type	Total MH
	\$0.00	\$0.00				Supervisor	0
	\$0.00	\$0.00				Equipment Operator	
	\$0.00	\$0.00				Cement Finisher	
	\$0.00	\$0.00				Laborer	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00			Cost			
	\$0.00	15%		GC OH&Profit			
	\$0.00			Total			

Tools & Equipment	Name	Hours	Rate	Cost	Total Eq. Hours
	-	0	\$0.00	\$0.00	0
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	Cost		\$0.00		
	GC OH&Profit		\$0.00	15%	
	Total		\$0.00		

Subcontractors	Name	Trade/Specialty	Cost
	Ahern	Mechanical	\$8,023.73
	Cost		\$8,023.73
	Subcontractor Markup		\$601.78 7.50%
	Total		\$8,625.51

Summary	Cost Summary		Totals Summary	
	Material	\$0.00	Cost	\$8,023.73
	Labor	\$0.00	Sub Markup	\$601.78 7.5%
	Equipment	\$0.00	GC OH&P	\$0.00 15%
	Subcontractors	\$8,023.73	Bond	\$100.30 1.25%
	Total Cost:	\$8,023.73	Total CO:	\$8,725.81
			\$8,726.00	



855 Morris Street | P.O. Box 1316
Fond du Lac, WI 54936-1316
main 920.921.9020 | fax 920.929.8825
www.jfahern.com

8/8/2025
608-333-0121

Mr. Jake Cates
Joe Daniels Construction
919 Applegate Rd.
Madison, WI 53713

**RE: Madison Well #15
J. F. Ahern Co. Job No. 7548
Customer Contract No. 9342
JFACO012 Sump Pump Flow Meter Reroute**

Dear Jake,

This change order is for the labor, material & equipment to replace the existing flow meter w/ a new flow meter provided by Owner. This also includes the addition of one (1) 3" bypass line & 3" trap. Two (2) 2" NPSH connections w/ caps for testing. A 3/4" drain w/ garden hose connection will be installed which can be used to drain the isolated section when testing is complete.

Respond by: 8/12/25

\$7,377.50

Eight Thousand Twenty Three and 73/100 Dollars.....~~\$8,023.73~~

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Sincerely,

J. F. Ahern Co.

Adam Landen

Adam Landen
Project Manager
WI Major Construction Division

Enclosures



Change Order Summary

Project: Madison Well #15	
Project #: 7548	
Proposal Date: 8/8/2025	
Change Order #: 12	
Revision: 0	
Description of Work: Sump Pump Flow Meter Piping Reroute	
Total CO Amount:	8,023.73

Item Description	Calc Type	Quantity	Unit of Measure	Unit Price or Rate	PCT %	Total Amount
Subtotal Material	Lump Sum	1.00	Lump Sum	2,493.70		2,493.70
Delivery Costs	Lump Sum	1.00	Lump Sum	250.00		250.00
Sales Tax	Percent	2,743.70			0.00%	-
TOTAL M - Material						2,743.70
Foreman	Unit Price	15.00	Hour	135.68		2,035.20
Journeyman	Unit Price	14.00	Hour	116.88		1,636.32
Tool Costs	Percent	3,671.52			5.50%	201.93
TOTAL L - Labor						3,873.45
TOTAL S - Subcontract						-
TOTAL E - Equipment						-
TOTAL G - General Conditions						-
Project Management	Unit Price	4.00	Hour	90.00		360.00
TOTAL P - Project Management						360.00
Overhead & Profit - Materials	Percent	2,743.70			15.00%	411.56
Overhead & Profit - Labor	Percent	3,873.45			15.00%	581.02
Overhead & Profit - Project Management	Percent	360.00			15.00%	54.00
TOTAL O - Overhead & Profit						1,046.58
TOTAL B - Bond & Insurance						-

Grand Total: **8,023.73**

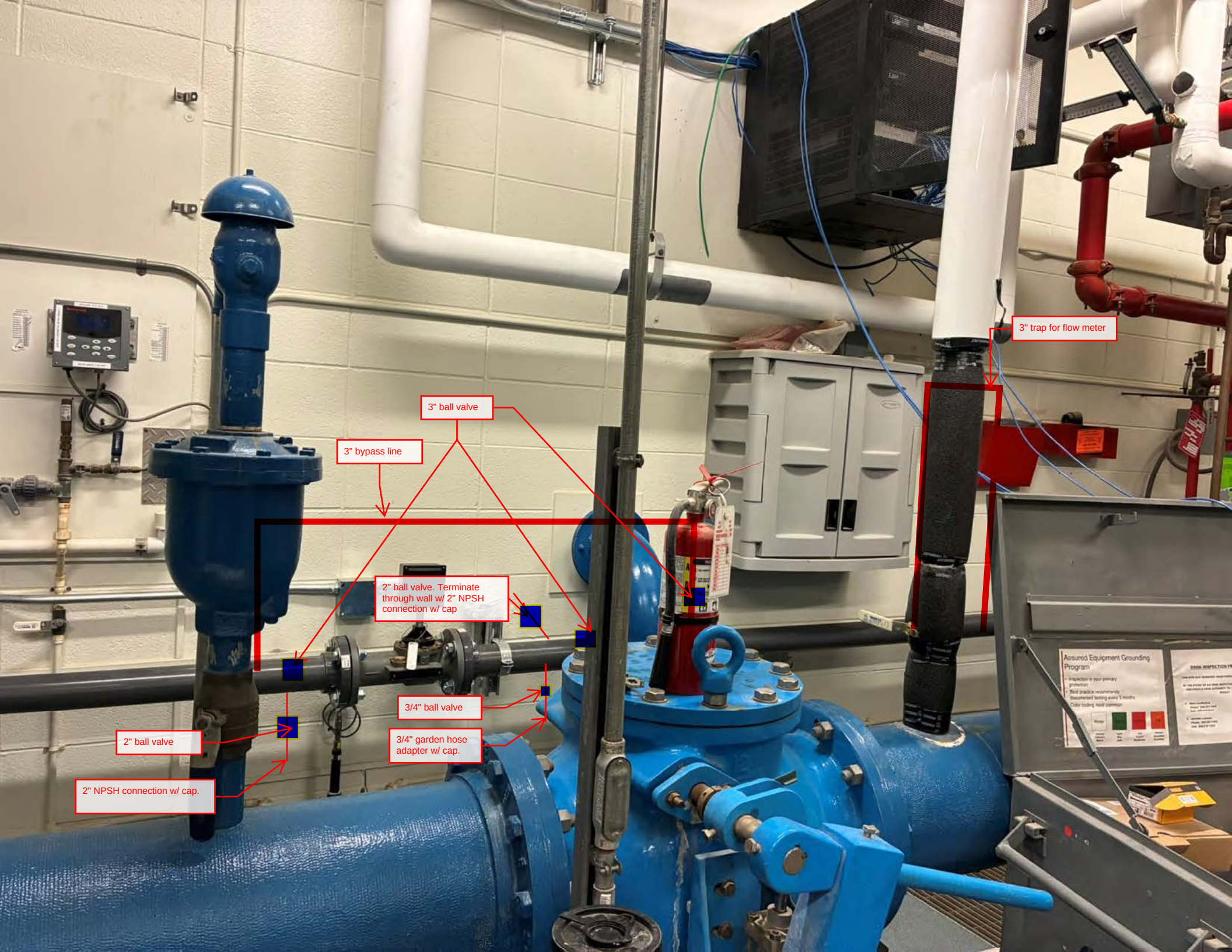
This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Revised for SDWLP Eligibility -
Subcontractor tool costs, subcontractor
projecty management and associated
markup costs are inelible for COs.

-
\$2,743.70 (materials)
\$3,671.52 (labor)
\$962.28 (15% markup)
\$7,377.50 (total subcontractor cost)



Change Order Request



Project name:

PFAS Well 15

Requested by:

AECOM

Date:

8/12/2025

Request name:

Field Order 10- Camera Locations

Request number:

FO#10

Change description:

Please provide security cameras at the locations noted in the attached drawing markup. Camera provided is noted in the markup. Also noted is the clarification on ethernet runs that was provided previously.

1. Purchase:

Quantity 5: Axis P3267-LVE cameras
Quantity 1: Genetec Camera License

2. Provide CAT6 and conduit as needed to each camera from network cabinet

3. 8 Ethernet runs are needed with 5-shielded Cat 6 and 3 non shielded CAT 6

Well Pump VFD (in MCC) to Fiber Cabinet – Shielded
Well Pump SSRV (in MCC) to Fiber Cabinet – Shielded
Booster Pump VFD (in MCC) to Fiber Cabinet – Shielded
Booster Pump SSRV (in MCC) to Fiber Cabinet – Shielded
Power Monitor (in MCC) to Fiber Cabinet – Shielded
SCADA PLC (in SCC) to Fiber Cabinet – Non Shielded
SCADA Computer (in SCC) to Fiber Cabinet – Non Shielded
Programming Port on SCC Door to Fiber Cabinet – Non Shielded

Change reason:

Proposed action:

Associated cost:

~~\$11,328.00~~

Approved by:

Date:

Revised for SDWLP CO Eligibility -
\$10,416.00 (subcontractor cost)
\$1,562.00 (15% subcontractor markup)
\$598.92 (5% GC markup)
\$12,577.32 (total CO cost)

Project Name:		PFAS WELL 15			FO #:	10
Material	Quantity	UOM	Material Type	Unit Price	Total	Credit
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
Sales Tax				0.0%	\$0.00	
Material Cost					\$0.00	
GC OH&Profit				15%	\$0.00	
Material Total					\$0.00	

Labor	Total	Crew Rate	Hours	Description	Crew Size	Labor Type	Total MH
	\$0.00	\$0.00				-	0
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
Cost							
\$0.00							
\$0.00				15%	GC OH&Profit		
\$0.00				Total			

Tools & Equipment	Name	Hours	Rate	Cost	Total Eq. Hours
	-	0	\$0.00	\$0.00	0
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
Cost				\$0.00	
GC OH&Profit				\$0.00	15%
Total				\$0.00	

Subcontractors	Name	Trade/Specialty	Cost
	IBS	Access Control/Security	\$10,416.00
Cost		\$10,416.00	
Subcontractor Markup		\$781.20	7.50%
Total		\$11,197.20	

Summary	Cost Summary		Totals Summary	
	Material	\$0.00	Cost	\$10,416.00
	Labor	\$0.00	Sub Markup	\$781.20 7.5%
	Equipment	\$0.00	GC OH&P	\$0.00 15%
	Subcontractors	\$10,416.00	Bond	\$130.20 1.25%
	Total Cost:	\$10,416.00	Total CO:	\$11,327.40
			\$11,328.00	



Integral Building Systems

info@ibsystemsinc.com
www.ibsystemsinc.com

UNIT WELL 15 – SECURITY UPGRADES

PROPOSAL

City of Madison



PREPARED BY:

KEVIN JUDD

Founder and CBDO
INTEGRAL BUILDING SYSTEMS



717 Post Road
Madison, WI 53713
Phone: 608.467.9193
Fax: 608.237.2050

Email: kevin@ibsystemsinc.com

Proposal issued:
June 23, 2025



PROPOSAL

CITY OF MADISON
C/O: DANIELS CONSTRUCTION

3900 East Washington Avenue
Madison, WI 53713

Date: 6/23/2025
Proposal # 5472
Proposal expires 30 days
from date issued.

Security Upgrades

This proposal includes materials and labor to install:

- 5 Axis P3267-LVE network cameras.
- 2 Axis T91H61 wall mounts.
- 2 Axis TP3101-E pendant kits.
- 1 HES 9600 electric strike.
- 3 HID Signo wall mount smart card readers.
- 1 Recessed door position sensor.
- 1 Request-to-exit sensor.
- Includes aiming and focusing cameras.
- Includes labor to relocate existing Keyscan access control panel and power supplies.

Exclusions and Assumptions

- Does not include cabling, conduit, boxes, coring, sleeving, raceway, patch cables, or any other materials or labor not specifically listed above.

The pricing in this proposal is based on current tariff rates and market conditions as of the date of this proposal. In the event of any new tariffs, changes in existing tariffs, or other government-imposed duties that affect the cost of materials, labor, or shipping, Integral Building Systems, Inc reserves the right to adjust pricing accordingly.

Integral Building Systems, Inc. is:
WBE certified by the City of Madison thru 6/30/2025;
WBE certified by Dane County thru 6/30/2026.

SUBTOTAL	\$	10,416.00
TAX	\$	572.88
TOTAL	\$	10,988.88

ACCEPTANCE OF PROPOSAL

Terms: 50% upon acceptance of Proposal - 40% ten days prior to cutover - 10% upon completion & acceptance

For City of Madison Water Utility

For Integral Building Systems, Inc.

Signature

Signature

Title

Title

Date

Date

Integral Building Systems, Inc. STANDARD TERMS AND CONDITIONS

Integral Building Systems, Inc ("Seller") accepts your order on the express condition that you ("Buyer") agree to the terms and conditions below (the

1. **Prices:** Unless otherwise agreed in writing, all prices and charges specified herein are based on U.S. dollars, FOB origin, and are effective for thirty (30) days from the date of any quotation. Transportation shall be by common carrier, at Buyer's risk and expense, with the transportation, insurance, and related charges added to the quoted price. Should Buyer postpone the delivery date, Seller shall have the right to adjust the price of the undelivered goods to Seller's price at the time of shipment.
2. **Title:** Title to products does not pass to Buyer until Buyer has paid all amounts owed under this Contract. Should Buyer fail to make any payment when owed, Seller may enter Buyer's premises and remove the products.
3. **Taxes:** Prices quoted by Seller are exclusive of all taxes (except taxes levied on Seller's income) including federal, state, and local use, excise, sales, privilege, property or any other similar taxes, and Buyer shall pay all such taxes in full. If Buyer is exempt from any taxes, Buyer shall furnish to Seller an appropriate tax exemption certificate in a form acceptable to the taxing authority.
4. **Payment:** Unless otherwise agreed by Seller's Credit Department in writing, payment terms are net thirty (30) days from date of invoice. A service charge of 1.5% per month, not to exceed the maximum rate allowed by law, shall apply to the portion of Buyer's outstanding balance, which is not paid when due. If Seller takes legal action to obtain payment or otherwise enforce this Contract, Buyer shall be liable for Seller's reasonable attorney fees, plus other costs of such action. Unless otherwise agreed to by Seller in writing, Buyer will pay a Fifty Percent (50%) progress payment to Seller within five (5) business days after Buyer's acceptance of this Contract.
5. **Delivery, Risk of Loss, Shipment and Storage:**
 - a) Delivery and performance dates specified herein or otherwise communicated to Buyer are approximate only and are based on conditions at the time Seller accepts Buyer's purchase order.
 - b) Delivery shall be complete upon transfer of possession to common carrier, FOB origin, as the case may be, whereupon all risk of loss, damage or destruction of the goods shall pass to Buyer.
 - c) Buyer will provide Seller a secure on-site storage area for tools and materials unless otherwise agreed upon in writing.
6. **Permits:** Buyer shall obtain all licenses and permits when required to perform the agreed upon work. Unless otherwise agreed upon in writing, Buyer will pay for all costs incurred to obtain the required licenses and permits.
7. **Changes and Cancellation:** Orders accepted by Seller are not subject to change or cancellation by Buyer after installation work is in progress, except with Seller's prior written consent and upon payment of an appropriate charge to cover the costs and losses incurred by Seller. Unless otherwise agreed upon in writing, such charge shall not be less than fifty percent (50%) of the price of the goods and services subject to the change or cancellation.
8. **Warranty:**
 - a) Seller warrants for a period of one (1) year (unless otherwise agreed upon in writing) that the installation of all products by Seller ("Warranty Period") will be free from material defects in workmanship under normal use and service. Buyer shall notify Seller in writing during the Warranty Period for any warranty claims.
 - b) No warranty extended by Seller shall apply to:
 - i.) any goods which have been modified or altered by persons other than Seller;
 - ii.) any goods subjected to any misuse, neglect, improper installation or accidental damage; or
 - iii.) any good manufactured or installed by a third party.
9. **Limitation of Liability:** Seller's liability shall be limited to the warranty provided in section 8 hereof. **SELLER SHALL NOT BE SUBJECT TO ANY OTHER OBLIGATIONS OR LIABILITIES, WHETHER ARISING OUT OF BREACH OF CONTRACT, WARRANTY, TORT (INCLUDING NEGLIGENCE AND STRICT LIABILITY), INDEMNITY OR ANY OTHER THEORIES OF LAW, FOR LOSS OF USE, REVENUE, OR PROFIT, OR FOR THE COST OF CAPITAL OR OF SUBSTITUTE USER OR PERFORMANCE, OR FOR INDIRECT, SPECIAL, LIQUIDATED, INCIDENTAL OR CONSEQUENTIAL DAMAGES WHATSOEVER. SELLER'S MAXIMUM LIABILITY UNDER THIS CONTRACT SHALL NOT EXCEED THE CONTRACT PRICE.**
10. **Force Majeure:** Seller shall not be liable for any damages as a result of any delay or failure to deliver due to any cause beyond Seller's reasonable control, including, without limitation, any act of God, act of Buyer, governmental act, regulation or request, fire, accident, strike, slowdown, war, riot, delay in transportation, or inability to obtain necessary labor, materials or manufacturing facilities. In the event of any such delay the time for Seller's performance shall be extended a period of time equal to the period of delay.
11. **General:**
 - a) Any drawings, data, designs, software programs or other technical information, including pricing and the terms of this Contract, supplied by Seller to Buyer in connection with this Contract shall remain Seller's property and be held in confidence by Buyer. Such information shall not be reproduced or disclosed to any third party without Seller's prior written consent.
 - b) **THIS CONTRACT SHALL CONSTITUTE THE ENTIRE AGREEMENT BETWEEN SELLER AND BUYER, AND SHALL BE GOVERNED BY AND CONSTRUED ACCORDING TO THE INTERNAL LAWS OF THE STATE OF WISCONSIN (WITHOUT REGARD TO CONFLICTS OF LAW PRINCIPLES).**
 - c) Waiver by Seller of any breach of any provision contained herein shall not constitute or be deemed to be a waiver of any other breach or of such provision. No amendment to or modification or alteration of the Contract shall be effective against Seller without Seller's specific written agreement thereto.
 - d) Buyer shall not assign this Contract, any interest in this Contract or rights under this Contract without Seller's prior written consent.
 - e) Disputes arising out of this Contract, not otherwise settled by mutual agreement between the parties, shall be settled by binding arbitration in Madison, Wisconsin, USA pursuant to the Commercial Arbitration rules of the American Arbitration Association then in effect.
 - f) If any provision of this Contract is held illegal, invalid or unenforceable, that provision will be automatically revised to the minimum extent necessary to be valid and enforceable.

THANK YOU!

FOR THE OPPORTUNITY



717 Post Road

Madison, WI 53713

info@ibsystemsinc.com

www.ibsystemsinc.com

Change Order Request



Project name:

PFAS Well 15

Requested by:

AECOM

Date:

8/12/2025

Request name:

Field Order 11- Curb at Generator Area

Request number:

FO#11

Change description:

Curb added and additional grading required to slope drainage away from building, generator, and retaining wall.

Change reason:

Drainage from grade and also roof downspout were washing out retaining wall on adjacent property

Proposed action:

Install curb, regrade, pave so drainage flows away from generator area

Associated cost:

combined total: 9,785.55

~~\$9,793.00~~

Approved by:

Date:

Revised for SDWLP CO Eligibility -
\$1,280.00 (GC materials cost)
\$5,108.17 (GC labor cost)
\$958.23 (15% GC markup)
\$7,346.40 (total GC performed cost)

Revised for SDWLP CO Eligibility -
\$2,020.00 (subcontractor cost)
\$303.00 (15% subcontractor markup)
\$116.15 (5% GC markup)
\$2,439.15 (total sub-performed CO cost)

Project Name:		PFAS WELL 15			FO #:	11
Material	Quantity	UOM	Material Type	Unit Price	Total	Credit
	1	LS	Minimum Load Concrete	\$450.00	\$450.00	
	1	LS	Load of Gravel Base	\$330.00	\$330.00	
	1	LS	Landscaping Rock	\$500.00	\$500.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
Sales Tax				0.0%	\$0.00	
Material Cost					\$1,280.00	
GC OH&Profit				15%	\$225.88	
Material Total					\$1,505.88	

Labor	Total	Crew Rate	Hours	Description	Crew Size	Labor Type	Total MH
	\$447.89	\$111.97	4	Supervising workforce	1	Supervisor	56
	\$1,500.00	\$187.50	8	Remove Asphalt, Regrade	2	Equipment Operator	
	\$2,871.68	\$179.48	16	Form and Pour Concrete Curb	2	Cement Finisher	
	\$288.60	\$72.15	4	Assist with forming, rebar install, cleanup	1	Laborer	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
\$5,108.17				Cost			
\$901.44		15%		GC OH&Profit			
\$6,009.61				Total			

Tools & Equipment	Name	Hours	Rate	Cost	Total Eq. Hours
	-	0	\$0.00	\$0.00	0
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
Cost				\$0.00	
GC OH&Profit				\$0.00	15%
Total				\$0.00	

Subcontractors	Name	Trade/Specialty	Cost
	Wolf Paving	Paving	\$2,020.00
Cost			\$2,020.00
Subcontractor Markup			\$151.50
Total			\$2,171.50

Summary	Cost Summary		Totals Summary	
	Material	\$1,280.00	Cost	\$8,408.17
	Labor	\$5,108.17	Sub Markup	\$151.50
	Equipment	\$0.00	GC OH&P	\$1,127.32
	Subcontractors	\$2,020.00	Bond	\$105.10
	Total Cost:	\$8,408.17	Total CO:	\$9,792.10

Revised for SDWLP GC Eligibility
\$1,280.00 (GC materials cost)
\$5,108.17 (GC)
\$598.92 (5% GC markup)
\$12,577.32 (total CO cost)



WOLF PAVING CO., INC
1320 Walnut Ridge Drive, Suite 100
Hartland, WI 53029

WOLF PAVING & EXCAVATING OF MADISON, INC.
5423 Reiner Rd
Sun Prairie, WI 53590

WWW.WOLFPAVING.COM

To:	Daniels Construction Co Inc	Contact:	Jacob Cates
Address:	919 Applegate Road Madison, WI 53713	Phone:	(608) 271-4800
		Fax:	(608) 271-4570
CO Name:	Additional Area	CO ID:	CO 1
Project Location:	3900 East Washington Ave, Madison, WI	CO Date:	2/8/2024

Item #	Item Description
CO 1.0	Mill Existing ADDITIONAL 65 SY Of Asphalt Pavement 1.75"
CO 1.1	Pave Additional 65 SY Of 1.75" Surface Course 4 LT S Mix Type And 30 SY Of Additional 2" Binder Course In The Same Mobilization

Total Bid Price: \$2,020.00

Notes:

- **Estimator Notes:** <Enter bids notes here, do not remove blank lines>
- **Parties:** Wolf Paving Co., Inc./Wolf Paving & Excavating of Madison, Inc. ("Wolf" or "Wolf Paving") and the Customer (identified below) hereby mutually agree to be bound by these General Terms and Conditions ("Terms"), which are made part of and incorporated into the foregoing Proposal. These Terms and the Proposal are collectively referenced below as "the Agreement" or "this Agreement".
- **Customer Obligations:** Customer shall be solely responsible for the following:
 - Providing Wolf with specifications and plans for the work to be performed by Wolf under this Agreement (the "Specifications"), and said Specifications shall be subject to Wolf's approval;
 - Back filling all edges of paved areas;
 - Notifying Wolf of the presence of any underground utilities or other concealed conditions that would not be identified by a Digger's Hotline search and identification and/or unusual conditions or restrictions during excavation;
 - Furnishing Wolf with a suitable subgrade/aggregate base having the ability to support the maximum axle loads transmitted from the heaviest construction and/or vehicle traffic anticipated as to not to cause any deformation to the subgrade/aggregate base;
 - Rough grading the subgrade within +/- 0.1' of the proposed plan subgrade elevations;
 - If the Proposal provides for completion of fine grading by Wolf, furnishing a subgrade to within +/- 0.1' of the proposed plan aggregate base course elevations;
 - Arranging for any changes in landscaping needed to insure proper drainage flow from the project site;
 - Securing all necessary permits and approvals required by any regulatory agencies to perform Wolf's work (collectively the "Permits"); and
 - All requirements imposed by any regulatory agency and/or pertaining to compliance with any such Permits.
- **Work of Others:** Prior to Wolf commencing its work, the work of all others shall be completed to an extent that it will not in any way conflict or interfere with Wolf's operations or timely completion of Wolf's work. In the event Wolf is directed to begin operations prior to completion of any other contractor's work, Customer shall pay Wolfs' costs related to any additional mobilizations or reduced productivity attributable to obstructions or delays caused by the failure to complete the work of others prior to commencement of Wolf's work.
- **Site Drainage:** Wolf reserves the right to refuse to perform the paving work unless minimum grades of 2.0% are attainable for surface drainage. If Customer directs construction with less than a minimum of grade of 2.0% or if the Specifications do not provide for 2.0% drainage in all directions, it is understood and agreed that water ponding may occur and that no warranty will attach to the paving work.
- **Fine Grading of Aggregate/Unforeseen Conditions:** If the surface to be paved is to be fine graded by Customer or others, Wolf may require additional work to said surface, at Customer's sole cost, to correct deficiencies in the surface for stability, surface drainage, slope, elevation and other matters. In addition, in the event that a proof roll conducted by Wolf identifies "soft spots" in the aggregate base of the project site, such aggregate base will need to be stabilized at the sole cost of Customer; provided, however, any additional work to provide aggregate base stabilization will not be performed without the Customer's written consent.

- **Limitations of Scope of Work:** Notwithstanding any other provision of the Agreement to the contrary, Wolf shall not be responsible for the following:
 - Damage, restoration and/or changes to landscaping as a result of project preparation, execution or completion or base course repairs of landscaping restoration;
 - Insuring the proper continuation of drainage flow from the project site;
 - Movement or damage to any concrete, retaining walls, pavers or other structures during excavation or compaction on or near the project site;
 - Pavement damage due to normal construction equipment traffic;
 - Damage to any unmarked underground utilities;
 - Redesigning of plan grades in order to establish a minimum grade of 2.0% for surface drainage.
- **Change Orders/Changed Conditions:** Any changes to the scope of Wolf's work or any changes to the project conditions which require adjustment in the price of Wolf's work under this Agreement must be documented in written change order signed by Customer and Wolf prior to commencement of any extra work by Wolf.
- **Acceptance of Materials:** All labor and materials are conclusively accepted as satisfactory unless written objection is submitted to Wolf within seven (7) days of performance.
- **Termination/Cancellation:** Customer has the right to unilaterally cancel performance of this Agreement by notifying Wolf within three (3) business days after executing this Agreement. If Customer terminates this Agreement at any time after said three (3) day period, Wolf shall be entitled to retain all payments made before the date written notice of termination is received by Wolf and to be paid all sums owed for all other portions of Wolf's work that has been performed but not yet paid for or invoiced, along with an administrative fee in the amount of 10% of the total price for Wolf's work.
- **No Liquidated Damages:** Wolf shall not be liable under any circumstances for actual, special, consequential and/or incidental damages of any kind should Wolf's progress be substantially delayed by unanticipated changes, omissions or additions, by fire or other unavoidable casualty, by unusually severe weather conditions, or by strikes, labor trouble or lockouts not caused by the acts of Wolf or any supplier of Wolf, by reason of acts, omissions, neglect or default of Customer, other subcontractors or any other third party, by any cataclysmic event or act of God, or by reason of any other events or caused beyond the direct control of Wolf or any supplier of Wolf. In such event or circumstance, Wolf shall have the right to extend the time to complete the work by the amount of any such delay caused by such events or circumstances.
- **Insurance:** Customer shall maintain any necessary property insurance coverage on the work. Wolf shall maintain Worker's Compensation insurance to the extent required by law. Wolf will meet the required insurance limits of liability by using a combination of primary insurance policies and umbrella/excess policies.
- **Indemnification:** To the fullest extent permitted by law, Customer shall indemnify, defend and hold Wolf and its shareholders, officers, employees, agents, subcontractors, and material suppliers harmless of, from and against any and all actions, causes of action, claims, demands, damages, injuries, losses, liabilities, loss of services, penalties, assessments, attorneys' fees, other professional fees, expenses and other costs and charges of every kind and nature (collectively, "Claims") resulting from or in any way relating to the negligence, misconduct, or violation of law by Customer in the performance of, or its failure to perform, any of Customer's obligations under the Agreement including, but not limited to, Claims attributable to (a) bodily injury, sickness, diseases or death; and/or (b) damage injury to or destruction of property (including, but not limited to, the loss of use of such property resulting therefrom).
- **Limited Warranty:** Wolf warrants to Customer that Wolf's work shall be in conformity with the Specifications and free from defects in workmanship and material for a period of one (1) year from the date of substantial completion of Wolf's work. Wolf shall not be liable for any breach of warranty unless Customer gives written notice to Wolf within fourteen (14) days of discovery of a claimed defect and said written notice is received by Wolf within one (1) year after substantial completion of the work. Customer shall permit Wolf the opportunity to examine or test the alleged defect as reasonably requested by Wolf. If Wolf in its reasonable discretion determines that the alleged defect was due to faulty workmanship or defective material and not due to other causes, Wolf in its sole discretion will repair or replace said defects at no cost to Customer. This Limited Warranty does not include or extend to: (a) remedies for defects or damages caused by work of Customer, other contractors or third parties; (b) errors or inaccuracies in the Specifications or defects in the design or engineering of Wolf's work; (c) normal wear and tear, including, without limitation, defects or damages caused by the natural expansion or contraction of the construction materials; (d) use for a purpose for which the work was not intended; (e) improper or insufficient maintenance; (f) modifications performed by Customer, other contractors or any other third party; (g) sealcoat damage from snow plows; (h) drainage problems on the project site including, but not limited, to standing water; (i) construction traffic; (j) pavement overlays due to the potential of reflective cracking or expansion joints; (k) abuse; or (l) acts of God, casualty, catastrophe or other force majeure. This Limited Warranty shall be in effect only if Wolf receives final payment in full of the total invoiced amount to Customer upon completion of Wolf's work. This Limited Warranty shall extend solely to Customer.
THE EXPRESS WARRANTIES CONTAINED HEREIN ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTIES OF MERCHANTABILITY, HABITABILITY, OR FITNESS FOR A PARTICULAR USE OR PURPOSE., ALL OF WHICH ARE HEREBY DISCLAIMED BY WOLF. THIS LIMITED WARRANTY ALSO EXCLUDES CONSEQUENTIAL AND INCIDENTAL DAMAGES.
- **Notice of Lien Rights:** AS REQUIRED BY WISCONSIN CONSTRUCTION LIEN LAW, WOLF HEREBY NOTIFIES OWNER (IF CUSTOMER IS OWNER OF THE PROPERTY ON WHICH WOLF'S WORK IS PERFORMED) THAT PERSONS OR COMPANIES PERFORMING, FURNISHING, OR PROCURING LABOR, SERVICES, MATERIALS, PLANS, OR SPECIFICATIONS FOR CONSTRUCTION ON OWNER'S LAND MAY HAVE LIEN RIGHTS ON OWNER'S LAND AND BUILDINGS IF NOT PAID. THOSE ENTITLED TO LIEN RIGHTS, IN ADDITION TO WOLF, ARE THOSE WHO CONTRACT DIRECTLY WITH THE OWNER OR THOSE WHO GIVE THE OWNER NOTICE WITHIN 60 DAYS AFTER THEY FIRST PERFORM, FURNISH, OR PROCURE LABOR, SERVICES, MATERIALS, PLANS OR SPECIFICATIONS FOR THE CONSTRUCTION. ACCORDINGLY, OWNER PROBABLY WILL RECEIVE NOTICES FROM THOSE WHO PERFORM, FURNISH, OR PROCURE LABOR, SERVICES, MATERIALS, PLANS, OR SPECIFICATIONS FOR THE CONSTRUCTION, AND SHOULD GIVE A COPY OF EACH NOTICE RECEIVED TO THE MORTGAGE LENDER, IF ANY. WOLF AGREES TO COOPERATE WITH THE OWNER AND THE OWNER'S LENDER, IF ANY, TO SEE THAT ALL POTENTIAL LIEN CLAIMANTS ARE DULY PAID.
- **Severability/Governing Law:** If any provision of this Agreement is determined to be invalid or unenforceable for any reason, such determination shall not affect the validity or enforceability of the remaining provisions of this Agreement. The validity, interpretation and performance of the parties hereunder shall be governed by the laws of the State of Wisconsin, without regard to the conflict of laws principles thereof.
- **Incorporation:** In the event any other agreement is entered into between the parties, these Terms shall be incorporated into any such agreement and shall supersede any conflicting terms contained therein unless otherwise expressly agreed in writing by Wolf and Customer. In the event of a conflict between the Proposal and these Terms, these Terms shall govern unless otherwise expressly agreed in writing by Wolf and Customer.

- **Acceptance:** Customer acknowledges and agrees that the prices and specifications set forth in the Proposal and these Terms are satisfactory and are hereby accepted. Customer authorizes Wolf to do the work as specified in the Proposal, subject to and in compliance with the Terms set forth above. The conditions of this proposal will be honored for **15 days**, after that time Wolf Paving Co., Inc. reserves the right to adjust the terms of this proposal. All agreements entered through this proposal/contract contingent upon strikes, accidents or delays beyond our control – Wolf Paving Co., Inc. reserves the right to adjust the terms of this contract if work is not completed within 14 days of authorization date or if the contract items are not completed within the stated time frame. Also, within the duration of the contract, Wolf Paving Co., Inc. reserves the right to pass along AC oil and other operation costs increases that occur prior to construction phase operations.
- **Pricing:** Prices are only good for work completed during the 2025 Construction Season. Work that is carried over to the 2026 season is subject to change based on oil prices.
- **Cold Weather Additives:** The addition of cold weather additives to the asphalt mix will be extra if required.
- **Mobilizations:** All work to be completed in one mobilization, unless otherwise noted. Additional mobilizations will \$2500.00 each.

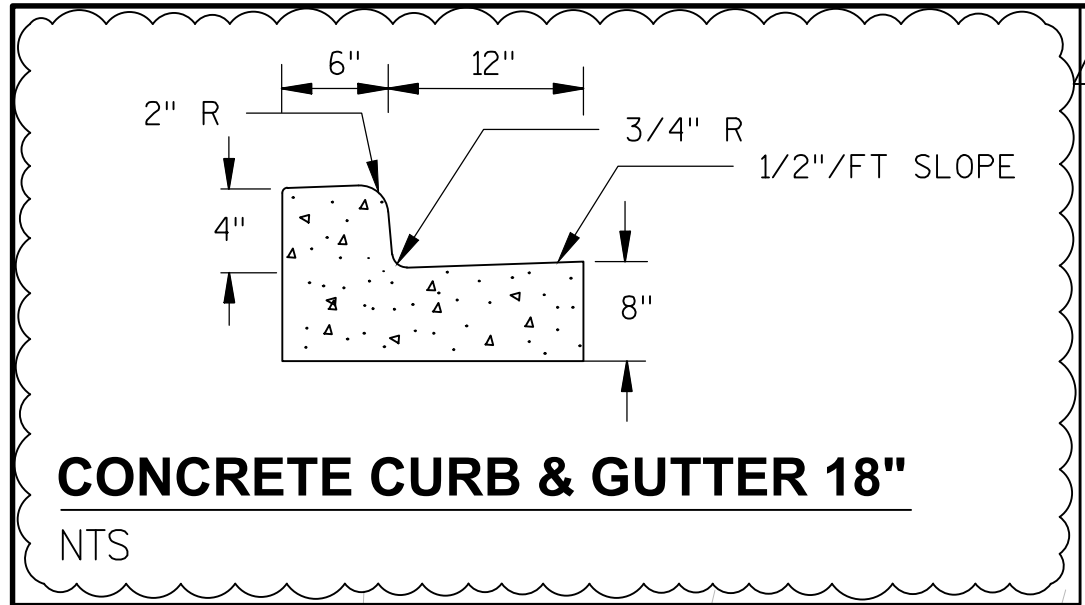
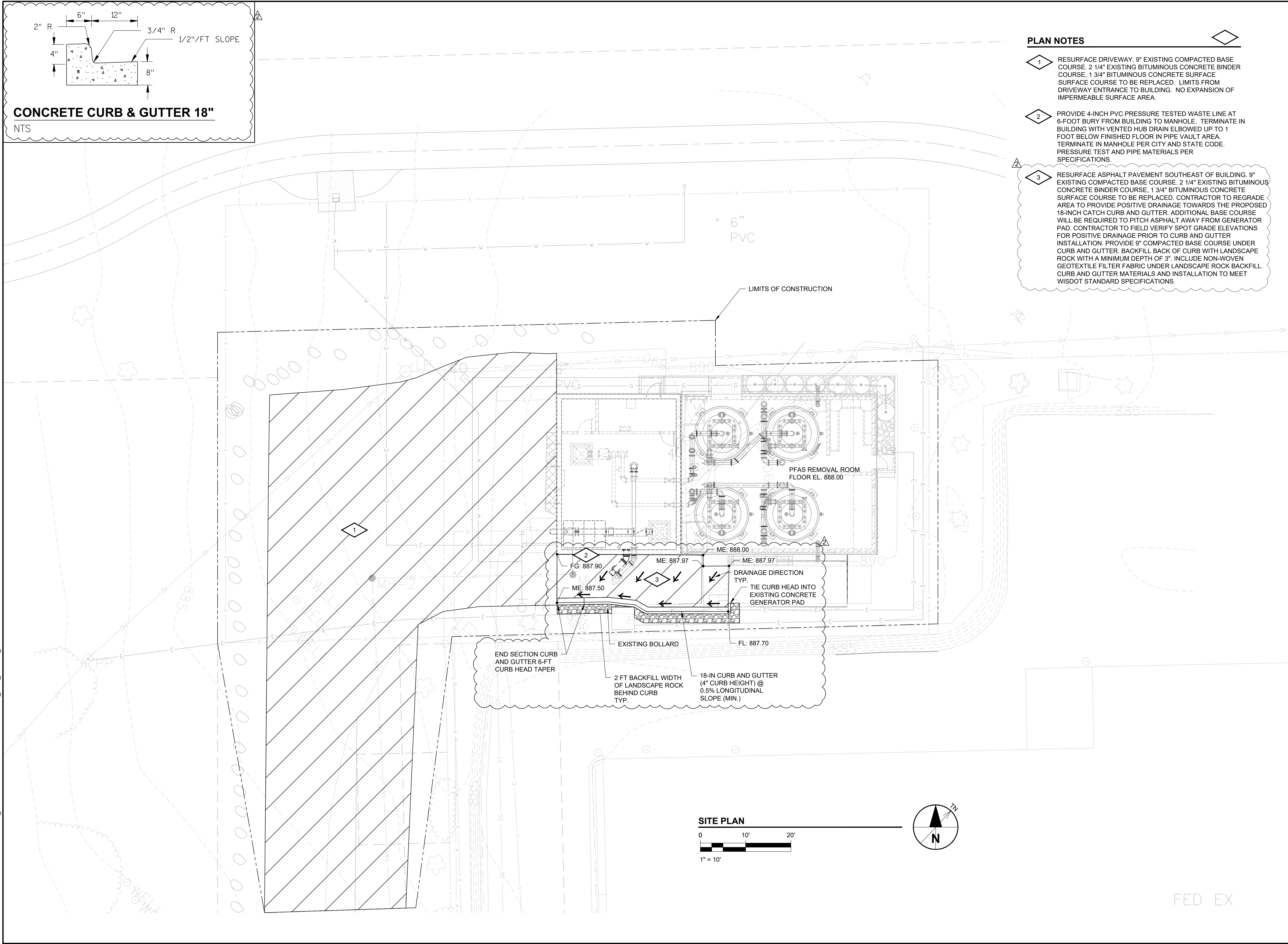
Payment Terms:

Payment: Payment is due to Wolf upon substantial completion of the work, unless otherwise specified by the parties in writing. If performance of Wolf's work will extend beyond thirty (30) days, Wolf may issue progress billings on the project and each progress billing will be due and payable upon receipt of the progress billing. Any amounts remaining unpaid when due may be subject to late charges of 1.5% per month, 18% annually or the maximum interest rate permitted by law, whichever is less. Any credit card payments are subject to a 3% surcharge.

ACCEPTED: The above prices, specifications and conditions are satisfactory and hereby accepted. Buyer: _____ Signature: _____ Date of Acceptance: _____	CONFIRMED: Wolf Paving Co., Inc. Authorized Signature: _____ Estimator: Rob Igl (262)-269-8184 Rob.Igl@wolfpaving.com
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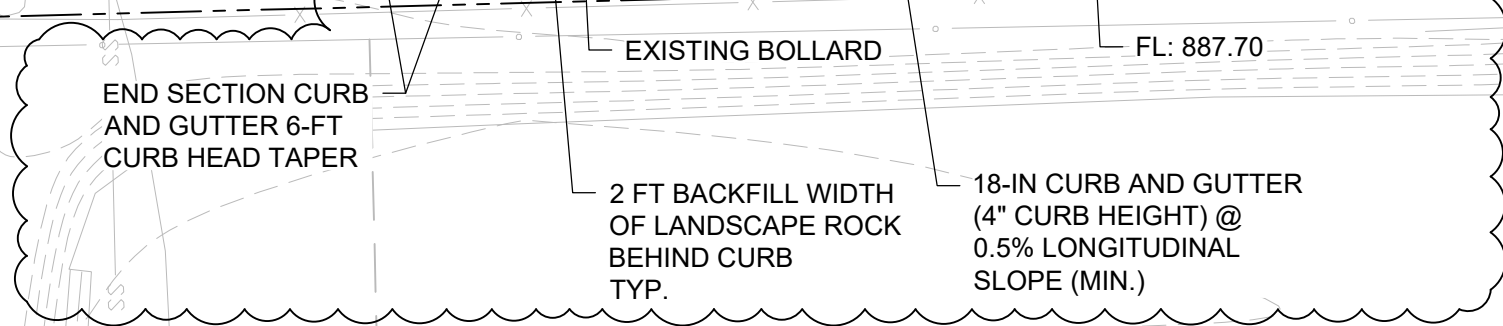
ANSI D 22" x 34"

Last saved by: KASPRZAKJ (2025-07-24) | Last Plotted: 2025-07-24
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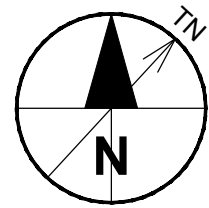
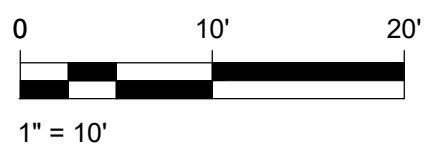


PLAN NOTES

- 1 RESURFACE DRIVEWAY. 9" EXISTING COMPACTED BASE COURSE, 2 1/4" EXISTING BITUMINOUS CONCRETE BINDER COURSE, 1 3/4" BITUMINOUS CONCRETE SURFACE COURSE TO BE REPLACED. LIMITS FROM DRIVEWAY ENTRANCE TO BUILDING. NO EXPANSION OF IMPERMEABLE SURFACE AREA.
- 2 PROVIDE 4-INCH PVC PRESSURE TESTED WASTE LINE AT 6-FOOT BURY FROM BUILDING TO MANHOLE. TERMINATE IN BUILDING WITH VENTED HUB DRAIN ELBOWED UP TO 1 FOOT BELOW FINISHED FLOOR IN PIPE VAULT AREA. TERMINATE IN MANHOLE PER CITY AND STATE CODE. PRESSURE TEST AND PIPE MATERIALS PER SPECIFICATIONS.
- 3 RESURFACE ASPHALT PAVEMENT SOUTHEAST OF BUILDING. 9" EXISTING COMPACTED BASE COURSE, 2 1/4" EXISTING BITUMINOUS CONCRETE BINDER COURSE, 1 3/4" BITUMINOUS CONCRETE SURFACE COURSE TO BE REPLACED. CONTRACTOR TO REGRADE AREA TO PROVIDE POSITIVE DRAINAGE TOWARDS THE PROPOSED 18-INCH CATCH CURB AND GUTTER. ADDITIONAL BASE COURSE WILL BE REQUIRED TO PITCH ASPHALT AWAY FROM GENERATOR PAD. CONTRACTOR TO FIELD VERIFY SPOT GRADE ELEVATIONS FOR POSITIVE DRAINAGE PRIOR TO CURB AND GUTTER INSTALLATION. PROVIDE 9" COMPACTED BASE COURSE UNDER CURB AND GUTTER. BACKFILL BACK OF CURB WITH LANDSCAPE ROCK WITH A MINIMUM DEPTH OF 3". INCLUDE NON-WOVEN GEOTEXTILE FILTER FABRIC UNDER LANDSCAPE ROCK BACKFILL. CURB AND GUTTER MATERIALS AND INSTALLATION TO MEET WISDOT STANDARD SPECIFICATIONS.



SITE PLAN



PROJECT

UNIT WELL 15 PFAS
TREATMENT FACILITY

CLIENT

MADISON WATER UTILITY

119 E. OLIN AVENUE
MADISON, WISCONSIN 53713
Tel 608.266.4651 www.cityofmadison.com

ISSUE/REVISION

NO.	DATE	DESCRIPTION
2	07/24/25	CURB RFI
1	12/22/23	ISSUE FOR BID
I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER

60686092

SHEET TITLE

CIVIL SITE PLAN

DWG NUMBER

02-C-01

SHT NUMBER

09 OF 55

FED EX

Change Order Request



Project name:

PFAS Well 15

Requested by:

AECOM

Date:

8/12/2025

Request name:

RFI 35- Overcuts discovered in existing floor

Request number:

PCO#2

Change description:

After removing the existing membrane on the top of the underground tank slab it was discovered that the previous pipe penetration openings had some significant overcuts that cut into rebar. Contractor is concerned with structural integrity of the existing floor.

Change reason:

structural concerns in the existing slab that will be new finished floor.

Proposed action:

See attached RFI response and revised drawings from AECOM

Associated cost:

combined total: 4,957.43

~~\$4,960.00~~

Approved by:

Date:

Revised for SDWLP CO Eligibility -
\$2,500.00 (GC materials cost)
\$727.21 (GC labor cost)
\$484.08 (15% GC markup)
\$3,711.29 (total GC performed cost)

Revised for SDWLP CO Eligibility -
\$1,032.00 (subcontractor cost)
\$154.80 (15% subcontractor markup)
\$59.34 (5% GC markup)
\$1,246.14 (total sub-performed CO cost)

Project Name:		Madison Unit Well 19			CB #:	6
Material	Quantity	UOM	Material Type	Unit Price	Total	Credit
	2	EA	HSS6x6x3/8	\$0	\$2,500.00	
	2	EA	PL3/8"x1'-0 base & Cap Plates	\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
Sales Tax				0.0%	\$0.00	
Material Cost					\$2,500.00	
GC OH&Profit				15%	\$441.18	
Material Total					\$2,941.18	

Labor	Total	Crew Rate	Hours	Description	Crew Size	Labor Type	Total MH
	\$223.95	\$111.97	2	layout for new columns embedded in footing	1	Supervisor	8
	\$358.96	\$179.48	2	Forming additional area for column base plates embedded in footing	2	Cement Finisher	
	\$144.30	\$72.15	2	Stripping forms and grouting top of base plates	1	Laborer	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	Cost						
	\$727.21			GC OH&Profit			
	\$128.33	15%		Total			
\$855.54							

Tools & Equipment	Name	Hours	Rate	Cost	Total Eq. Hours
	-	0	\$0.00	\$0.00	0
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
Cost				\$0.00	
GC OH&Profit				\$0.00	15%
Total				\$0.00	

Subcontractors	Name	Trade/Specialty	Cost
	Capital Steel Erectors	Steel Erection	\$1,032.00
		Cost	\$1,032.00
		Subcontractor Markup	\$77.40 7.50%
		Total	\$1,109.40

Summary	Cost Summary		Totals Summary	
	Material	\$2,500.00	Cost	\$4,259.21
	Labor	\$727.21	Sub Markup	\$77.40 7.5%
	Equipment	\$0.00	GC OH&P	\$569.51 15%
	Subcontractors	\$1,032.00	Bond	\$53.24 1.25%
	Total Cost:	\$4,259.21	Total CO:	\$4,959.35
				\$4,960.00



Endres Mfg. Co
802 S. Century Ave
Waunakee, WI 53597
Phone: 608-849-4143
Fax: 608-849-7903

Date : 11/6/2024

Page 1 of 1

CO #: 1

Job #: 3A24130

PFAS Well #15

Job Location: Madison

Change Order Request

To: Jake Cates

JOE DANIELS CONST. CO. INC.
919 APPLEGATE ROAD
MADISON, WI 53713
Phone: 608-271-4800
Fax: 608-271-4570

Subject: RFI #35

Change Requested By:

Sent Via: E-mail

Description of Change:

(2) HSS6x6x3/8
(4) PL3/8"x1'-0 Base & Cap Plates

For Galvanized - \$2,500.00

or

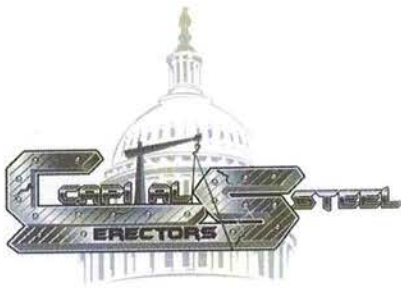
For Stainless - \$10,000.00

A signature below indicates acceptance of all changes shown herein. Any work associated with this change will begin upon receipt of a signed copy of this C.O. in our office. Please respond by 11/13/2024.

If the requested response time is not met, the project may be delayed.

Accepted By

Endres Mfg. Co



Capital Steel Erectors, Inc

8990 Zwettler Rd.

Blue Mounds, WI 53517

Phone: (608)767-3300

Fax: (608)767-3340

#2

FIELD EXTRA WORK AUTHORIZATION FORM

JOB Well 15

GENERAL CONTRACTOR Daniels

There is a revision in work that needs to be done not covered by our contract. In order for this work to be performed, we will need the site superintendent to sign for approval on this extra work authorization before work can be done.

WORK DESCRIPTION: Weld on two top plates to two columns and install
columns

WE, THE UNDERSIGNED, HEREBY AUTHORIZE AND DIRECT THE WORK DESCRIBED ABOVE TO BE PERFORMED, & AGREE TO COMPENSATE ON A TIME & MATERIAL BASIS. CAPITAL STEEL ERECTORS RESERVES THE RIGHT TO INVOICE EXTRA WORK AUTHORIZATIONS IN THE MONTH THEY WERE PERFORMED.

Project Manager (first choice)/Superintendent Pre work signature

Date

HOURS TO COMPLETE EXTRA WORK AUTHORIZATION:

Number of men 2 Hours per man 4

Total hours to complete work 8 $4 \text{ hrs} \times 121 \text{ hrs} = 484$
 $4 \text{ hrs} \times 114 \text{ hrs} = 456$

Dates work completed 1-27-25

LABOR 8940.00
Equipment 92.00
revis
Total \$1,032.00

MATERIALS USED TO COMPLETE EXTRA WORK AUTHORIZATION:

(Write quantity for each item)

Welder Hours/Minutes 2.5 37.50 Welding Rod Type/Approximate lbs 7018 2 lbs ⁸

Torch Use Primer 1 cold gal 14" Abrasive Cutoff Saw Wheels

4 1/2" Abrasive Grinding Wheels 2 5 8" Abrasive Cutoff Disks

Other: Truck 35 miles 8.96 = 33.60

Revised for SDWLP CO Eligibility -

\$Caterals cost

\$5,106.17 (GC labor cost)

\$958.23 (15% GC markup)

\$7,346.40 (total GC performed cost)

Shawn Ruelgas
Capital Steel Erectors Representative

• Structural Steel Erection • Concrete Reinforcing • PT Cables • Pre-Fab Metal Buildings • Architectural Concrete Erection
• Bridge Construction • Rigging and Machinery Moving

**Unit Well 15 PFAS Treatment Facility
Madison Water Utility
City of Madison, WI
Request for Information**

RFI Response	Specification Section:	N/A
	Joe Daniels Construction Company	
	RFI No.:	35
	RFI Title:	Overcuts discovered in existing floor
	Contract Drawing No.:	N/A
	Contract Name:	Madison Well #15

Request:

"After removing some of the membrane over the top of the tank around the pipe penetrations from the existing air stripper down into the tank, it was discovered that the original cutout and patch for this pipe incurred overcuts extending up to 15" in each direction from the perimeter of the patch. This is typical for both pipe penetrations that were existing from the air stripper (north and south). There are a couple of potential issues with this:

1. Floor finishes will be affected

2. It appears there are overcuts running into the structural concrete beams which were monolithic with the floor. we believe that some of the #8 bars at the top have been cut into.

We believe that the structural engineer should be looking at this on site to determine if there is any remediation necessary.

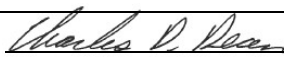
Please note that all of these overcuts were existing and Daniels has not cut anything around these yet."

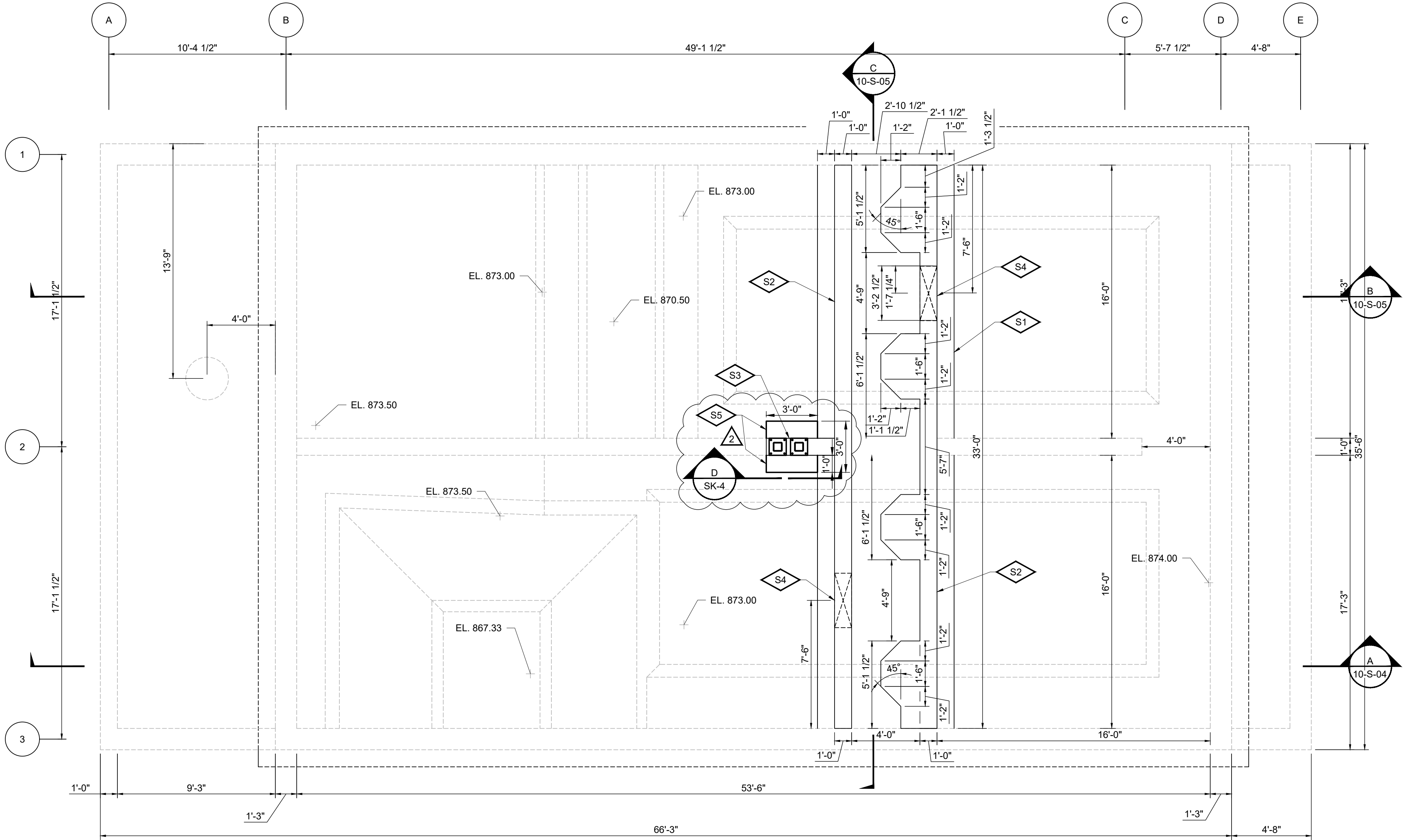
Response:

Response to Item 1 - Floor Finish: The current specified concrete sealer is in the process of being changed to a resinous flooring system. Refer to Response to RFI-38 or Field Order when issued.

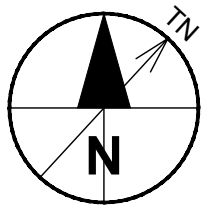
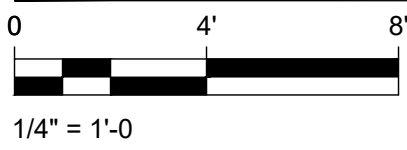
Response to Item 2 – Overcuts in existing floor slab:

1. The existing 5 to 6-inch deep sawcuts at the two locations are to be cleaned out and filled with epoxy by gravity feed with resin method in accordance with the manufacturer's recommended installation procedures.
 - a. Reference: American Concrete Institute's' ACI RAP Bulletin 2 – Field Guide to Concrete Repair Application Procedures, Crack Repair by Gravity Feed with Resin.
 - b. Epoxy material shall be Sikadur-32 Hi-Mod manufactured by Sika Corporation or engineer's approved equivalent.
2. Install steel columns as shown on the attached revised drawing Nos. 10-S-01 and 10-S-08, dated 10/21/24 and Sketch SK-4 dated 10/21/2024 to support existing slab and beam floor system. SK-4 will be incorporated into the As-Built drawings when project is completed.
3. Provide cost and schedule impacts, if any, for this work to AECOM and Owner for review prior to commencement of work.

Responder's Signature	Signature:	
	Printed Name:	Charles D. Dean
	Date:	10/21/2024



FOUNDATION PLAN



PLAN NOTES

- S1 CONSTRUCT BASE SLAB TO BE PLACED ON TOP OF EXISTING SLAB
- S2 CONSTRUCT 12-INCH CONCRETE WALL
- S3 NEW OPENING IN WALL TO PROVIDE FLOW BETWEEN TANKS
- S4 ACCESS MANWAY OPENING IN WALL. SEE DETAIL SHEET 10-S-06.
- S5 REFER TO DETAILS ON COLUMN AND FOUNDATION. DWG. SK-4. RESPONSE TO RFI #35.



PROJECT

UNIT WELL 15 PFAS
TREATMENT FACILITY

CLIENT

MADISON WATER UTILITY

119 E. OLIN AVENUE
MADISON, WISCONSIN 53713
Tel 608.266.4651 www.cityofmadison.com

STRUCTURAL DESIGN CRITERIA

Design Codes	BUILDING CODE (WISCONSIN COMMERCIAL BUILDING CODE)		IBC 2015
	CONCRETE DESIGN CODE		ACI 318-14
	MASONRY DESIGN CODE		ACI 530-13
	OCCUPANCY CATEGORY		IV
ROOF LIVE LOAD	MINIMUM ROOF LIVE LOAD (PSF)		20
	ROOF DRAIN OVERFLOW LOAD - 4" DEPTH		20
	GROUND SNOW LOAD (Pg) (PSF)		30
ROOF SNOW LOAD	FLAT ROOF SNOW LOAD (Pf)		23
	SLOPED ROOF SNOW LOAD		23
	SNOW EXPOSURE FACTOR (Ce)		0.9
	SNOW LOAD IMPORTANCE FACTOR (Is)		1.2
WIND LOAD	THERMAL FACTOR (Ct)		1.0
	DRIFT LOADS		PER IBC CODE
	BASIC 3-SECOND GUST WIND SPEED (MPH)		120
	WIND IMPORTANCE FACTOR (Iw)		1.15
EARTHQUAKE DESIGN DATA	WIND EXPOSURE		B
	COMPONENTS AND CLADDING DESIGN WIND PRESSURE (PSF)		PER IBC CODE
	SEISMIC IMPORTANCE FACTOR (IE)		1.5
	SITE CLASS		D
OTHER LOADS	SPECTRAL RESPONSE ACCELERATION PARAMETERS	Ss	0.084
		S1	0.045
	SPECTRAL RESPONSE COEFFICIENTS	SDS	0.089
		SD1	0.073
GEOTECHNICAL	SEISMIC DESIGN CATEGORY		B
	BASIC SEISMIC FORCE RESISTING SYSTEM (ALL CONCRETE BLOCK BUILDING)		ORDINARY REINF. MASONRY SHEAR WALLS
	RESPONSE MODIFICATION COEFFICIENT (R)		5
	DESIGN BASE SHEAR		0.026W
OTHER LOADS	ANALYSIS PROCEDURE		EQUIVALENT LATERAL FORCE
	LATERAL EARTH PRESSURE (PCF EQUIV. FLUID)	DRY - UNRESTRAINED TOP	40
		DRY - RESTRAINED TOP	55
		BELOW WATER TABLE	95
GEOTECHNICAL	LATERAL FLUID PRESSURE (PCF)		62.4
	BUOYANCY (PCF X DEPTH BELOW GROUNDWATER LEVEL)		62.4
	NET ALLOWABLE SOIL BEARING PRESSURE (EXISTING FOUNDATIONS)		3000 PSF
	PLANNED SUBGRADE		EXISTING

ISSUE/REVISION

2	10/21/2024	RESPONSE TO RFI #35
1	12/22/23	ISSUE FOR BID
I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER

60686092

SHEET TITLE

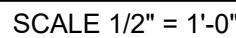
FOUNDATION PLAN

DWG NUMBER

10-S-01

SHT NUMBER

29 OF 55



ISSUE/REVISION		
3	10/21/2024	RESPONSE TO RFI #35
2	10/09/24	RESPONSE TO RFI #29
1	12/22/23	ISSUE FOR BID
I/R	DATE	DESCRIPTION

KEY PLAN

PROJECT NUMBER

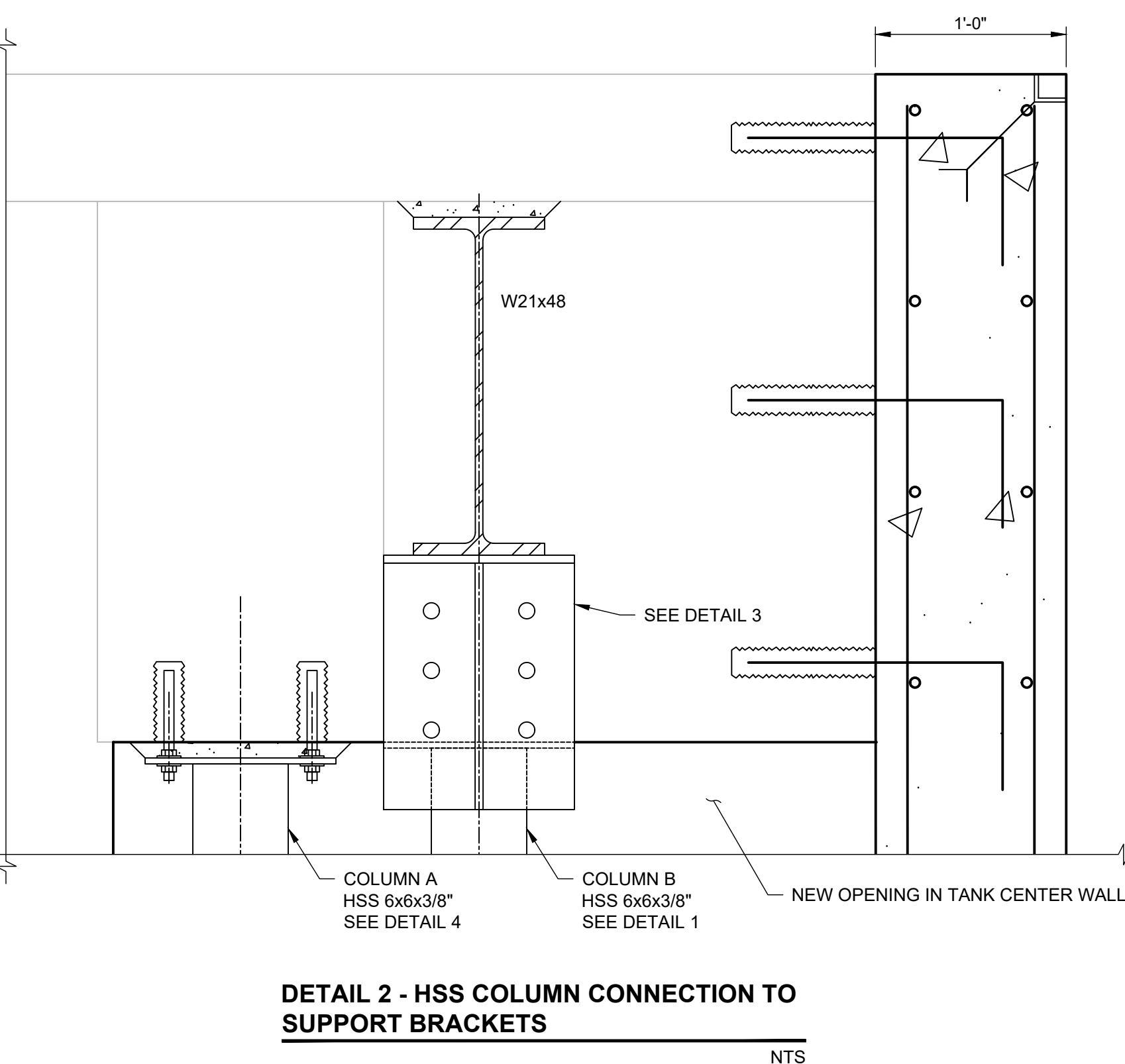
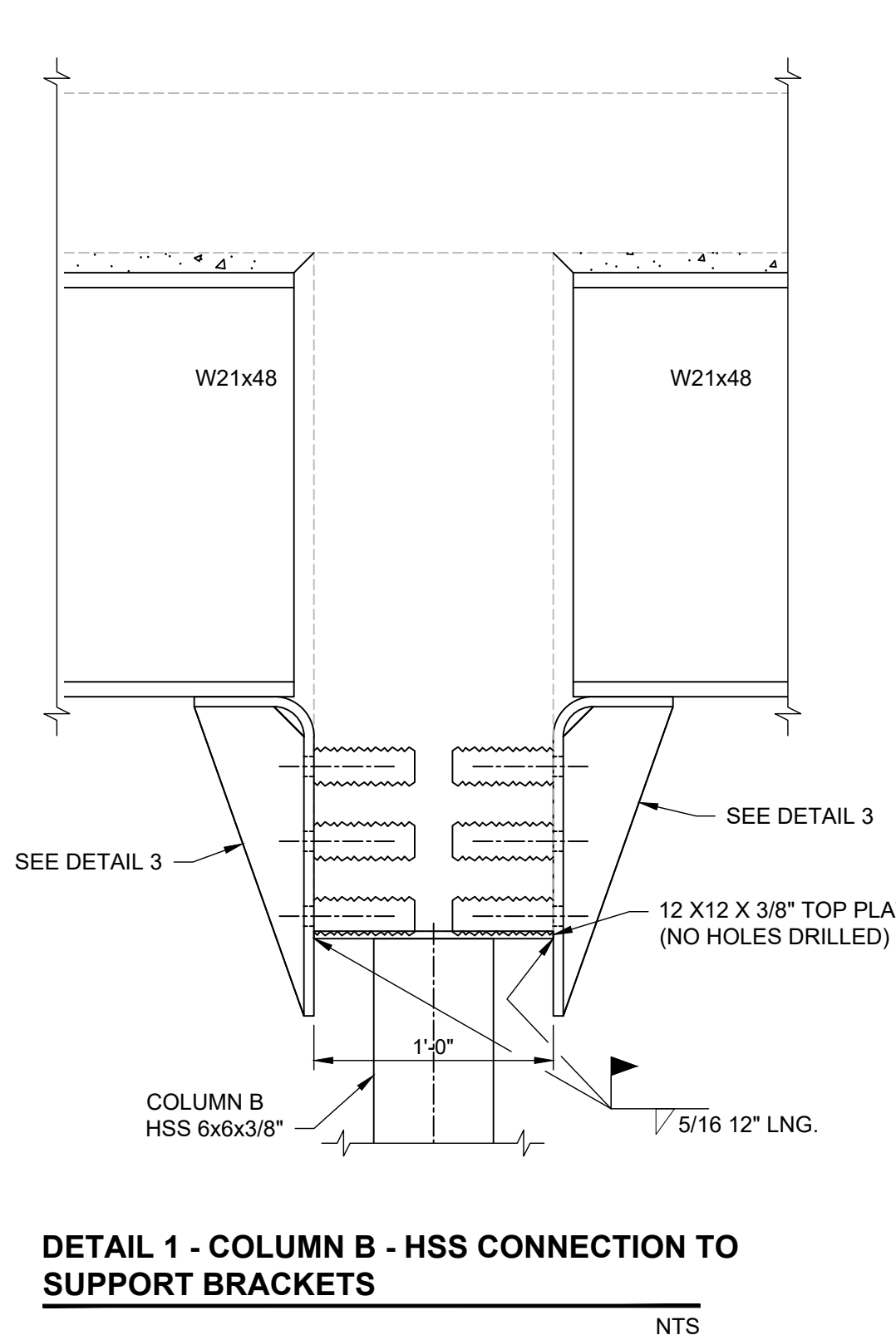
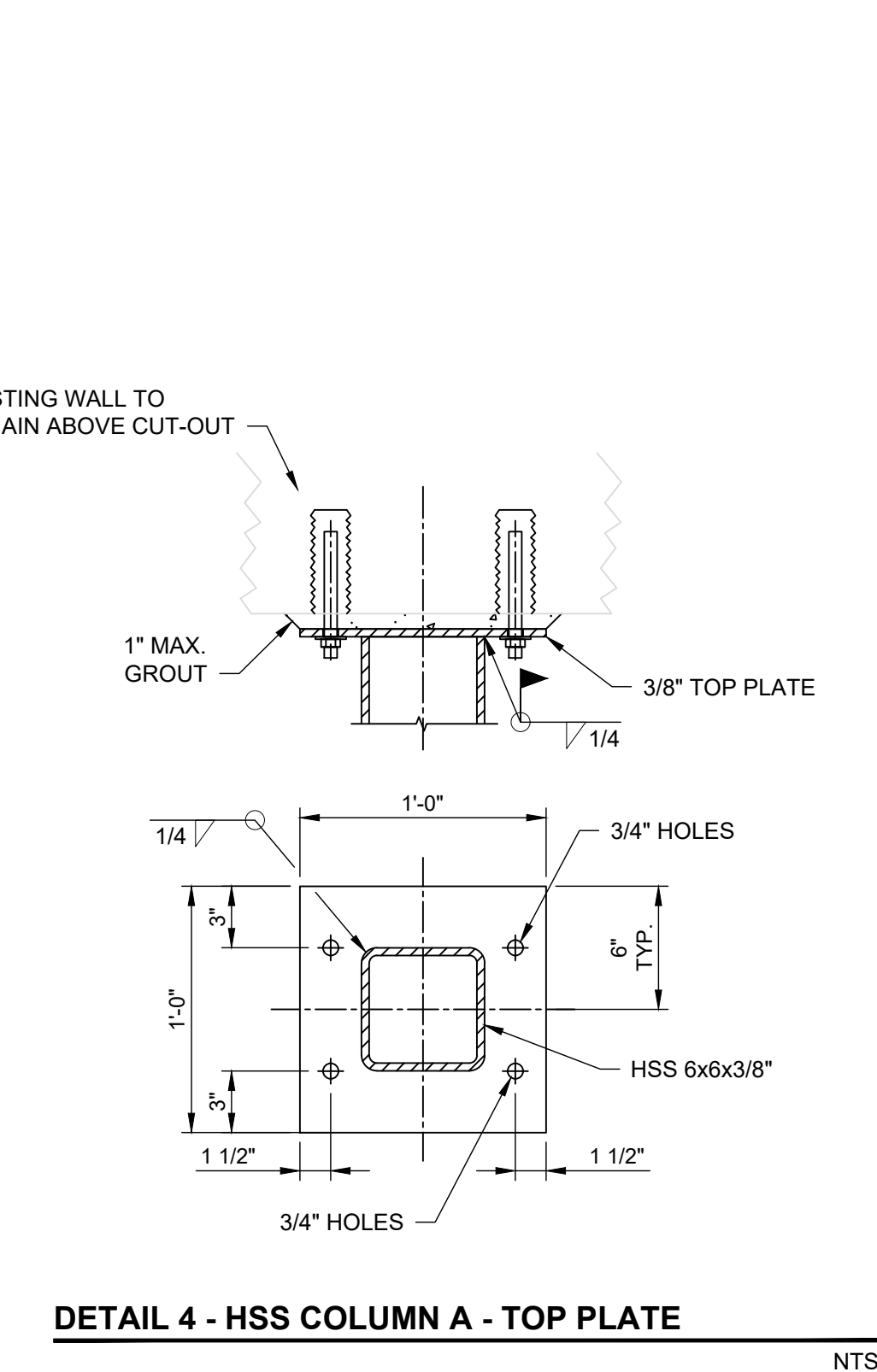
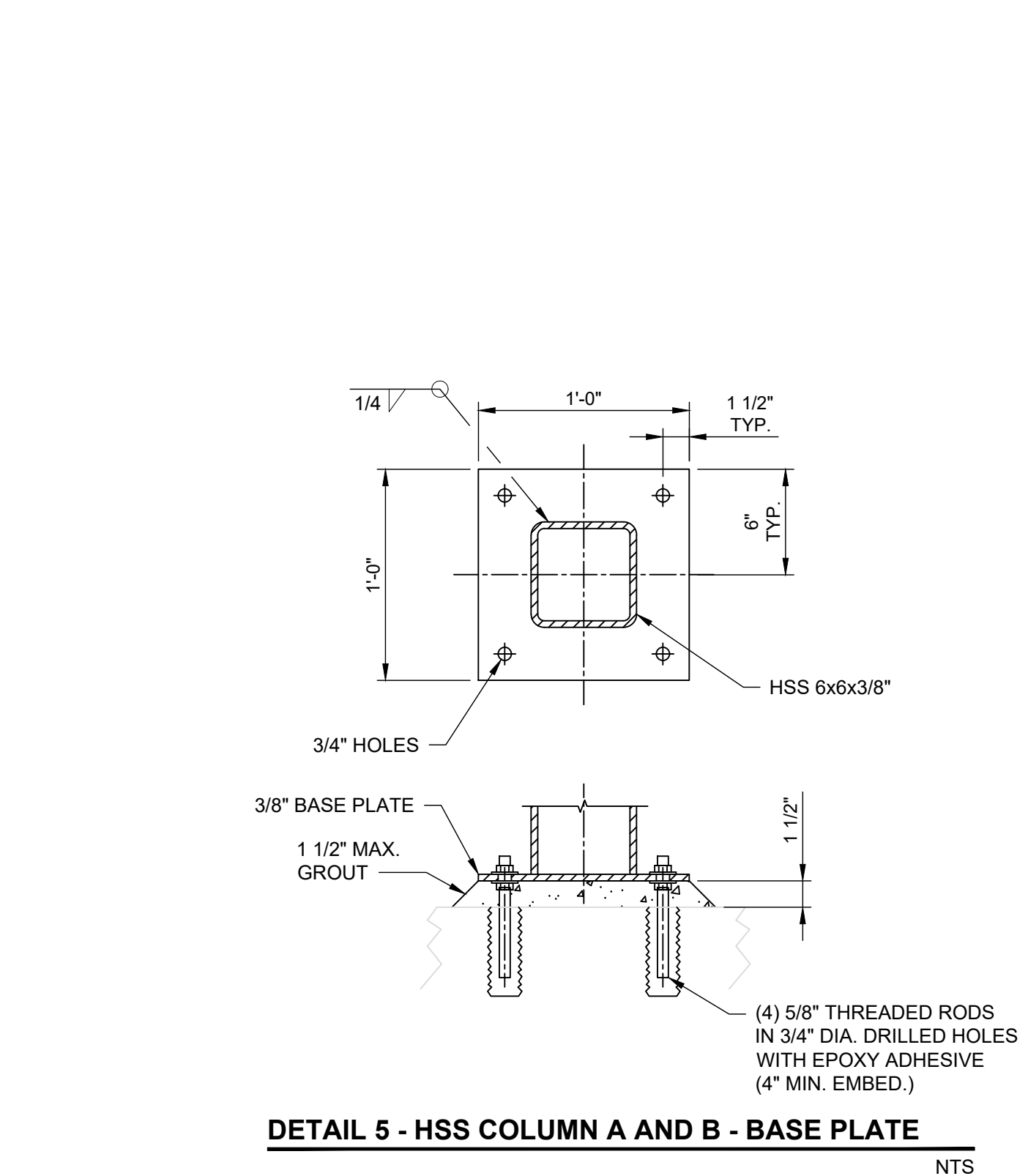
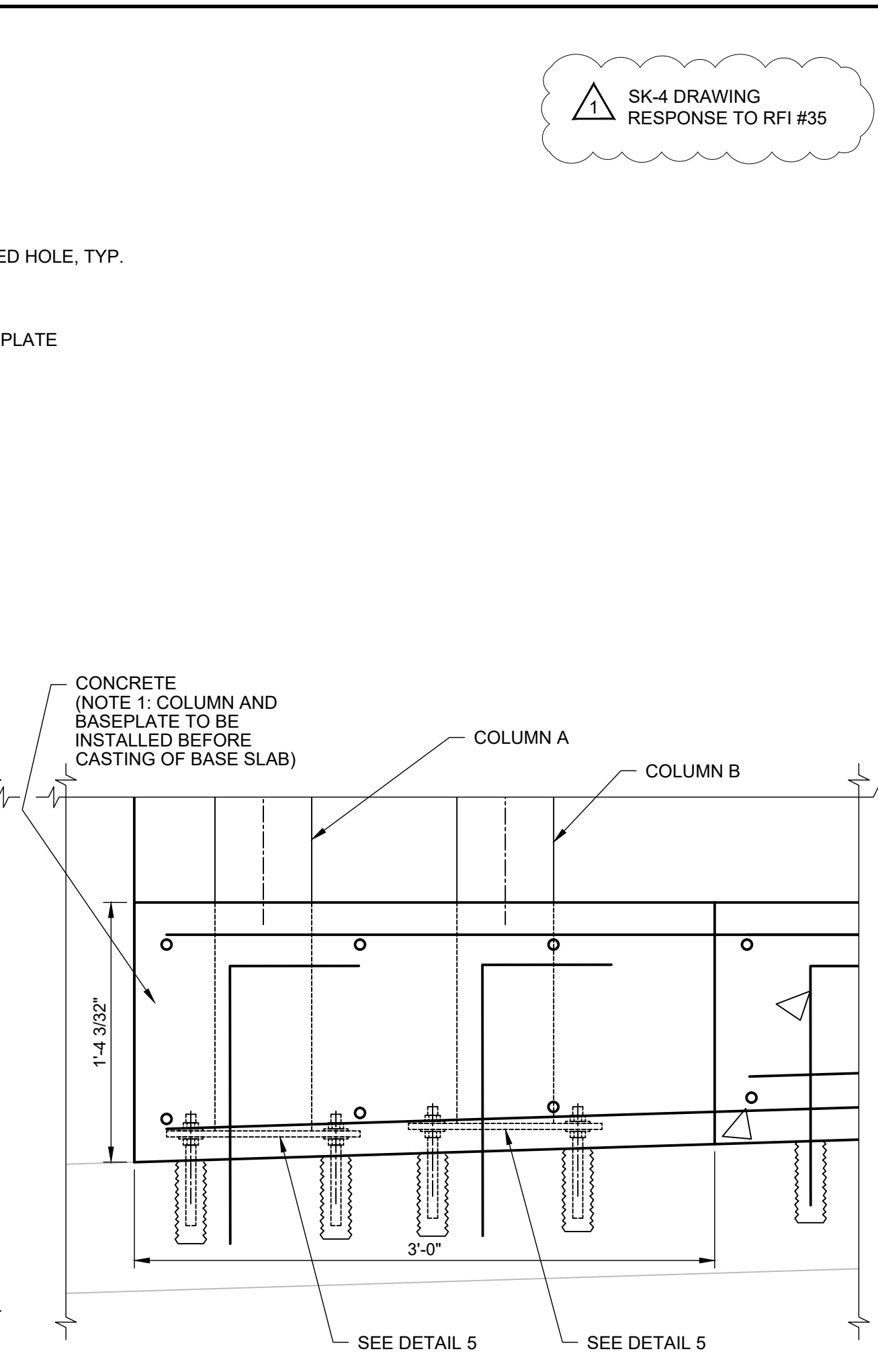
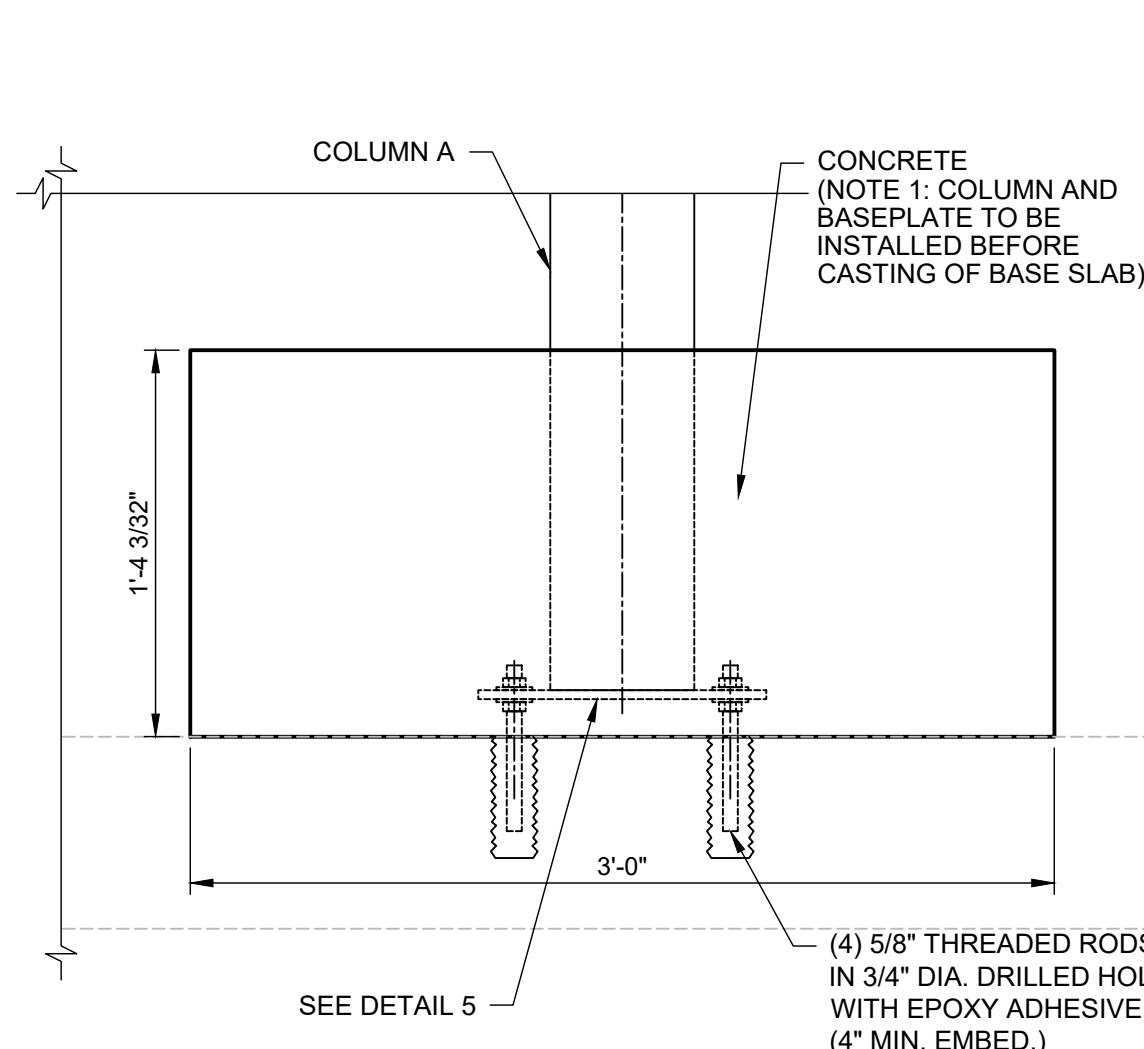
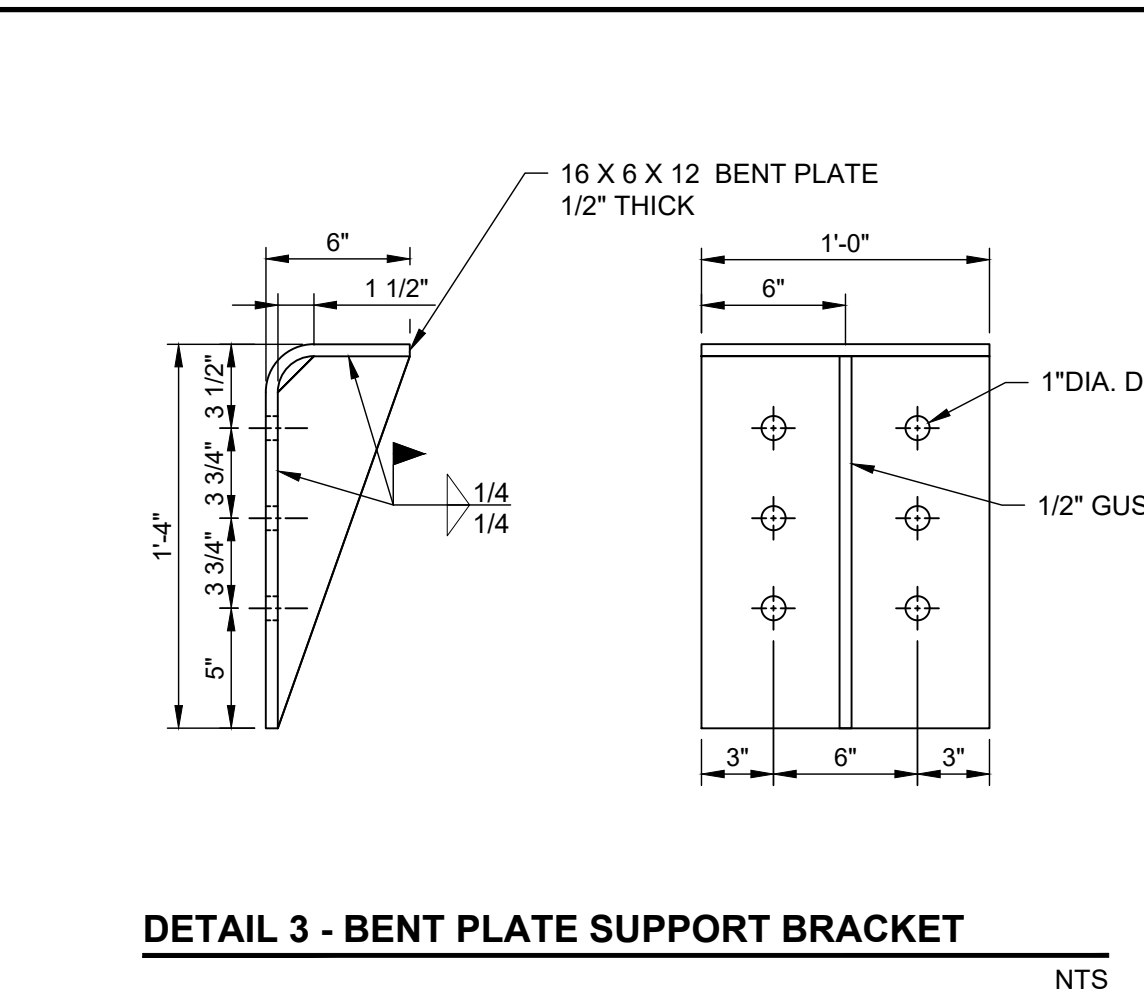
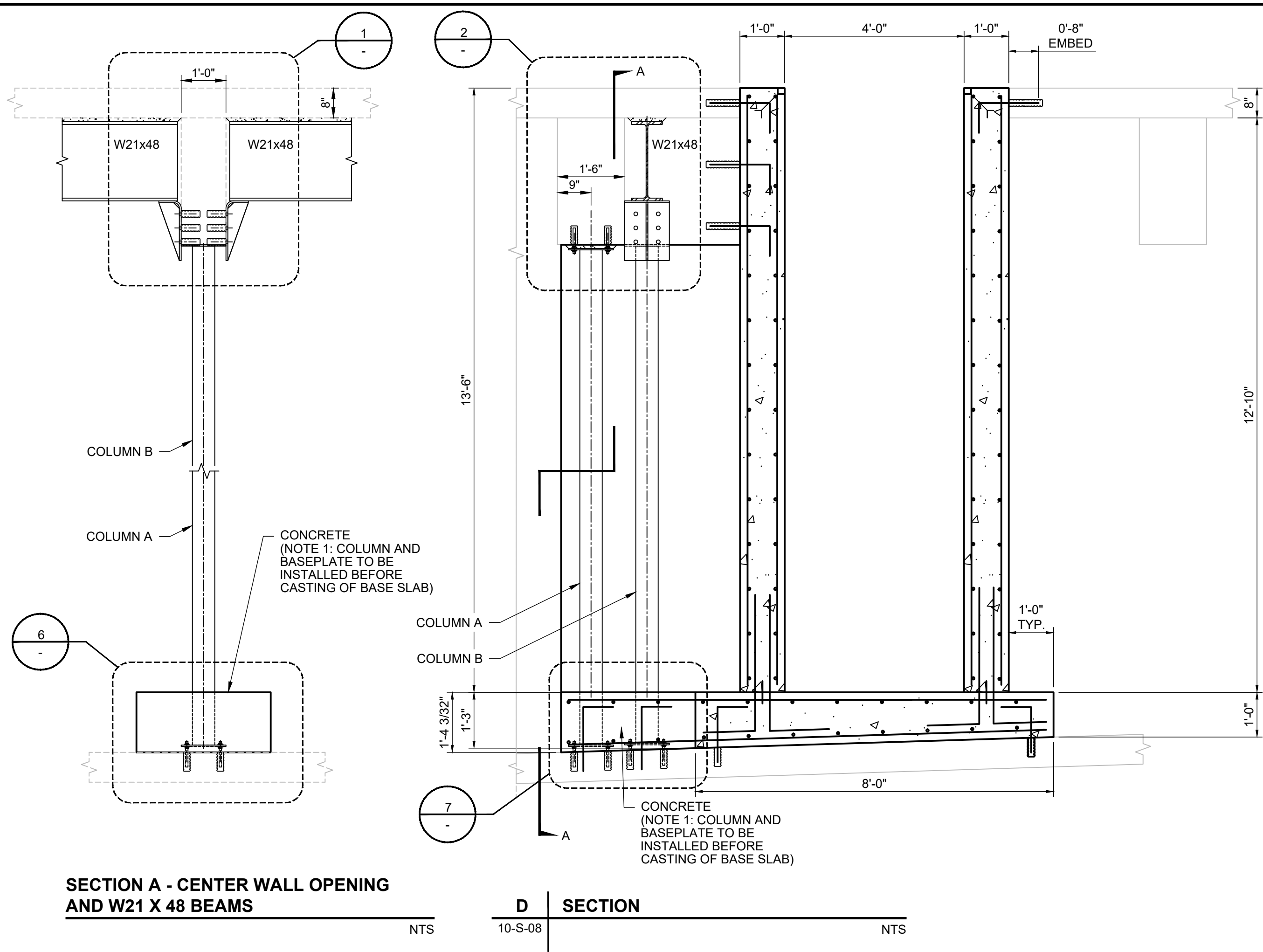
60686092

SHEET TITLE

STRUCTURAL SECTIONS AND DETAILS

DWG NUMBER

SHT NUMBER



SK-4 DRAWING
RESPONSE TO RFI #35

ISSUE/REVISION		
1	10/21/2024	RESPONSE TO RFI #35
I/R	DATE	DESCRIPTION

KEY PLAN

Change Order Request



Project name:

PFAS Well 15

Requested by:

AECOM

Date:

8/12/2025

Request name:

RFI 23 + 37- Process & HVAC Labels

Request number:

RFI 23 + 37

Change description:

This change order is for the labor, material & equipment to provide additional labels for the HVAC & process equipment, valves and piping. These were added per RFI 23 & RFI 37 responses.

Change reason:

Proposed action:

Associated cost:

~~\$4,112.00~~

Approved by:

Date:

Revised for SDWLP CO Eligibility -
\$3,517.46 (subcontractor cost)
\$175.87 (5% GC markup)
\$3,693.33 (total CO cost)

Project Name:		PFAS WELL 15			FO #:	
Material	Quantity	UOM	Material Type	Unit Price	Total	Credit
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
Sales Tax				0.0%	\$0.00	
Material Cost					\$0.00	
GC OH&Profit				15%	\$0.00	
Material Total					\$0.00	

Labor	Total	Crew Rate	Hours	Description	Crew Size	Labor Type	Total MH
	\$0.00	\$0.00				Supervisor	0
	\$0.00	\$0.00				Equipment Operator	
	\$0.00	\$0.00				Cement Finisher	
	\$0.00	\$0.00				Laborer	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00			Cost			
		\$0.00	15%	GC OH&Profit			
		\$0.00		Total			

Tools & Equipment	Name	Hours	Rate	Cost	Total Eq. Hours
	-	0	\$0.00	\$0.00	0
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	Cost			\$0.00	
	GC OH&Profit			\$0.00	15%
Total			\$0.00		

Subcontractors	Name	Trade/Specialty	Cost
	Ahern	Mechanical	\$3,780.58
	Cost		\$3,780.58
	Subcontractor Markup		\$283.54 7.50%
	Total		\$4,064.12

Summary	Cost Summary		Totals Summary	
	Material	\$0.00	Cost	\$3,780.58
	Labor	\$0.00	Sub Markup	\$283.54 7.5%
	Equipment	\$0.00	GC OH&P	\$0.00 15%
	Subcontractors	\$3,780.58	Bond	\$47.26 1.25%
	Total Cost:	\$3,780.58	Total CO:	\$4,111.38
				\$4,112.00



855 Morris Street | P.O. Box 1316
Fond du Lac, WI 54936-1316
main 920.921.9020 | fax 920.929.8825
www.jfahern.com

7/11/2025
608-333-0121

Mr. Jake Cates
Joe Daniels Construction
919 Applegate Rd.
Madison, WI 53713

**RE: Madison Well #15
J. F. Ahern Co. Job No. 7548
Customer Contract No. 9342
JFACO08 Process & HVAC Labels**

Dear Jake,

This change order is for the labor, material & equipment to provide additional labels for the HVAC & process equipment, valves and piping. These were added per RFI 23 & RFI 37 responses.

Respond by: 7/18/25

\$3,517.46

Three Thousand Seven Hundred Eighty and 58/100 Dollars.....~~\$3,780.58~~

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Sincerely,

J. F. Ahern Co.

Adam Landen

Adam Landen
Project Manager
WI Major Construction Division

Enclosures



Change Order Summary

Project: Madison Well #15 Project #: 7548 Proposal Date: 7/11/2025 Change Order #: 8 Revision: 0	
Description of Work: Process Pipe Labels & Tags	
Total CO Amount:	3,780.58

Item Description	Calc Type	Quantity	Unit of Measure	Unit Price or Rate	PCT %	Total Amount
Subtotal Material	Lump Sum	1.00	Lump Sum	535.06		535.06
Sales Tax	Percent	535.06			0.00%	-
TOTAL M - Material						535.06
Foreman	Unit Price	10.00	Hour	135.68		1,356.80
Journeyman	Unit Price	10.00	Hour	116.68		1,166.80
Tool Costs	Percent	2,523.60			5.50%	138.80
TOTAL L - Labor						2,662.40
TOTAL S - Subcontract						-
TOTAL E - Equipment						-
TOTAL G - General Conditions						-
Project Management	Unit Price	1.00	Hour	90.00		90.00
TOTAL P - Project Management						90.00
Overhead & Profit - Materials	Percent	535.06			15.00%	80.26
Overhead & Profit - Labor	Percent	2,662.40			15.00%	399.36
Overhead & Profit - Project Management	Percent	90.00			15.00%	13.50
TOTAL O - Overhead & Profit						493.12
TOTAL B - Bond & Insurance						-

Grand Total: **3,780.58**

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Revised for SDWLP Eligibility -
 Subcontractor tool costs, subcontractor
 projecty management and associated
 markup costs are inelible for COs.

-
 \$535.06 (materials)
 \$2,523.60 (labor)
 \$458.80 (15% markup)
 \$3,517.46 (total subcontractor cost)



Marking Services, Inc.
8265 N Faulkner Road
MILWAUKEE, WI 53224
414-973-1331
<https://www.markserv.com/>

Invoice S-INV020851
July 9, 2025
Page 1 / 1
Please remit payments to:
Marking Services Inc.
PO Box 3017
Milwaukee WI 53201-3017

Bill To:

J.F. AHERN CO.
APINV@JFAHERN.COM
MILWAUKEE, WI 54936-1316
USA

Ship To

J.F. AHERN CO.
Derek Forrest 608-977-1849
3821 ANDERSON RD
DEFOREST, WI 53532-2988
USA

Purchase Order No.	Salesperson	Customer No.	Due Date	Payment Terms
240-32440	MIDWEST	2210300	August 8, 2025	NET 30 DAYS
Order No.	Shipment Method	Payment Method	Job Name	Job No.
S-ORD020865	FEDEX GROUND		Madison Well 15	7548

QTY	No.	Description	Shipment Date	UOM	Unit Price Excl. Tax	Line Amount Excl. Tax
40 51	900 A	900 A, FITS TOD 3/4 - 2 1/4, ADHESIVE PMKR	07/08/25	EACH	0.44	22.44 17.60
23 35	900 B	900 B, FITS TOD 2 1/2 - 7 7/8, ADHESIVE PMKR	07/08/25	EACH	1.12	39.20 25.76
14	970 FC	970 FC, FITS TOD 6 - 7 7/8, COIL PMKR	07/08/25	EACH	7.75	108.50
28	970 G	970 G, FITS TOD 8 - 10, STRAP-ON PMKR	07/08/25	EACH	6.40	179.20
84	15789	36 175LB BLACK UV CABLE TIES	07/08/25	EACH	0.00	0.00
18	EP	1 SIDE HOLE 2.5 X 4 BLK_WHT Engraved Plastic Tag	07/08/25	EACH	5.38	96.84
6	EP125	ADH 3 X 6 BLK_WHT Engraved Plastic Tag	07/08/25	EACH	13.21	79.26
Subtotal						507.16 525.44
Total Tax						29.89 27.90
Invoice Discount						0.00
Freight						18.05
Total \$ Incl. Tax						573.38 535.06

** Custom items are non-returnable



855 Morris Street | P.O. Box 1316
Fond du Lac, WI 54936-1316
main 920.921.9020
j f a h e r n . c o m

Request For Information

Date:	September 25, 2024
Project #:	7548
Project Name:	Madison Well #15
Customer Contract #:	
RE:	Process & HVAC Mechanical Identification
JFA RFI #:	11

To: Jake Cates
Joe Daniels Construction Co

Prepared by: Adam Landen
Project Manager

This is a request for clarification/interpretation on the following:

Please advise if identification labels or tags are required for the process valves and/or equipment. In addition, advise if equipments tags for the HVAC equipment will be required. The contractor has not been able to locate a specification section in which the above mentioned labels would be required.

The contractor intends to provide labels for the plumbing piping per code but no other labels would be provided. Please confirm this is the intent or provide specifications of the labels to be provided for the other systems.

Please Review and Respond by: 08/13/2024

Response:

See attached specification section 22 05 53 - Piping and Equipment Identification.

Response Prepared by: _____ Response Returned to Contractor on: _____

SECTION 22 05 53

PIPING AND EQUIPMENT IDENTIFICATION

PART 1 GENERAL

1.01 SUMMARY

A. Section Includes:

1. Plastic pipe markers.
2. Painted ductwork identification materials.
3. Plastic duct markers.
4. Underground type plastic line marker.
5. Valve tags.
6. Plastic equipment markers.
7. Piping system color coding schedule.

B. Identification furnished as part of equipment is specified as part of equipment assembly in other sections and shall comply with requirements of this section.

C. Refer to Division 26 sections for identification requirements of electrical and instrumentation work, not work of this section.

D. Refer to Division 10 for identification and signage requirements of architectural work, not work of this section.

1.02 SUBMITTALS

A. Product Data: Submit manufacturer's technical product data and installation instructions for each identification material and device required. Submit listing of each flow stream identifier with associated color coding.

B. Samples: Submit samples of each color, lettering style, and other graphic representation required for each identification material or system.

C. Shop Drawings:

1. Submit valve schedule for each piping system, typewritten and produced on 8-1/2 in. by 11 in. bond paper. Tabulate valve number, piping system, system abbreviation (as shown on tag), location of valve (room or space), and variations for identification (if any). Mark valves intended for emergency shut-off and similar special uses, by special flags in schedule margin. In addition to mounted copies, furnish extra copies for maintenance manuals.

D. Submit in accordance with Section 01 33 10.

1.03 QUALITY ASSURANCE

- A. Manufacturer's Qualifications: Firms regularly engaged in manufacture of identification devices of types and sizes required, whose products have been in satisfactory use in similar service for not less than 5 yrs.
- B. Regulatory Requirements:
 - 1. ANSI Standards: Comply with ASME A13.1 for lettering size, length of color field, colors, and viewing angles of identification devices.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Allen Systems, Inc.
- B. Brady (W.H.) Company, Signmark Division.
- C. Marking Services, Inc.
- D. Industrial Safety Supply Company, Inc.
- E. Seton Name Plate Corporation.
- F. Or equal.

2.02 MECHANICAL IDENTIFICATION MATERIALS

- A. Provide manufacturer's recommended products as specified for each application.
- B. Where more than single type is specified for application, selection is installer's option, but provide single selection for each product category.
- C. Bands, markers, and identification materials used in all locations shall be rated for exterior application and suitable for withstanding occasional wash down.

2.03 LETTERING AND GRAPHICS

- A. Coordinate names, abbreviations, and other designations used in mechanical identification work with corresponding designations shown, specified or scheduled. Provide numbers, lettering, and wording as indicated or if not indicated, as recommended by manufacturers or required for proper identification and operation and maintenance of mechanical systems and equipment.
- B. Multiple Systems: Where multiple systems of same generic name are shown or specified, provide identification indicating individual system number as well as service (i.e., Boiler No. 3, Air Supply Unit No. 10-ASU-2, etc.).

2.04 PLASTIC PIPE MARKERS

- A. Snap-On Type: Provide preprinted, semi-rigid snap-on, color coded pipe markers complying with ASME A13.1.
- B. Pressure Sensitive Type: Provide preprinted, permanent adhesive, color coded, pressure sensitive vinyl pipe markers complying with ASME A13.1. Dot matrix printing is not acceptable.
- C. Small Pipes: For external diameters less than 6 in. (including insulation, if any), provide full band pipe markers, extending 360 degrees around pipe at each location, fastened by 1 of following methods:
1. Snap-on application of pretensioned, semi-rigid plastic pipe marker.
 2. Adhesive lap joint in pipe marker overlap.
 3. Taped to pipe (or insulation) with color coded plastic adhesive tape not less than 4 in. wide, full circle at both ends of pipe marker, tape lapped 1-1/2 in.
- D. Large Pipes: For external diameter 6 in. and larger (including insulation, if any), provide either full band or strip type pipe markers not narrower than 3 times letter height (and of required length), fastened by one of following methods:
1. Taped to pipe (or insulation) with color coded plastic adhesive tape, not less than 4 in. wide, full circle at both ends of pipe marker, tape lapped 3 in.
 2. Strapped to pipe (or insulation) application of semi-rigid type with manufacturer's standard stainless-steel bands.
- E. Lettering: Comply with piping system nomenclature as specified, scheduled or shown and abbreviate only as necessary for each application length, and only with approval of ARCHITECT/ENGINEER. Lettering height shall be as follows:

Outside Pipe Diameter (in.)	Minimum Letter Height (in.)	Minimum Length of Marker (in.)
3/4 to 1-1/4	1/2	8
1-1/2 to 2	3/4	8
2-1/2 to 6	1-1/4	12
8 to 10	2-1/2	24
over 10	3-1/2	32

- F. Arrows: Print each pipe marker with arrows indicating direction of flow, either integrally with piping system service lettering (to accommodate both directions), or as separate unit of plastic.
- G. Label and band colors in accordance with ASME A13.1, Pipe Identification Schedule Section 40 05 05 and following:
1. Lettering and arrows:
 - a. Black on yellow background for inherently hazardous materials.
 - b. White on blue (gaseous) or green (liquid) for low hazard materials.
 - c. White on red background for fire quenching materials.
 2. Banding: Colors and band spacing as scheduled or as shown on Drawings.

2.05 UNDERGROUND TYPE PLASTIC LINE MARKERS

- A. Permanent, bright colored, continuous printed plastic tape, intended for direct burial service; not less than 6 in. wide by 4 mils thick. Provide tape with printing most accurately indicating type of service of buried pipe.
- B. Provide multi-ply tape consisting of solid aluminum foil core between 2 layers of plastic tape.

2.06 PLASTIC EQUIPMENT MARKERS

- A. 2-ply, 1/8 in. thick laminated engraved plastic.
 - 1. Color: Black letters on white background.
- B. Nomenclature: Include following, matching terminology on schedules as closely as possible:
 - 1. Equipment name (i.e. gas water heater No. 1).
 - 2. Equipment Tag No. (i.e. GWH-1).
- C. Size: Provide approximate 3 in. by 6 in. (minimum) for equipment.
 - 1. 1 in. high letters for equipment tag number.
 - 2. 1/2 in. high letters for descriptive equipment name.

2.08 VALVE TAGS

- A. HVAC and Plumbing Valve Tags: 19 ga polished brass valve tags with stamp engraved piping system abbreviation in 1/4 in. high letters, sequenced valve numbers 1/2 in. high, and 5/32 in. hole for fastener.
 - 1. Provide 1-1/2 in. diameter tags except as otherwise indicated.
 - 2. Fill tag engraving with black enamel.
- B. Process Valve Tags: Fiberglass valve tags with printed embedded lettering; piping system abbreviation in approximately 3/16 in. high letters, valve numbers approximately 3/8 in. high, and 5/32 in. hole for fastener.
 - 1. Provide 2-1/2 in. by 4 in. square white tags with black lettering.
- C. Valve Tag Fasteners: Solid brass chain (wire link or beaded type) or solid brass S-hooks of sizes required for proper attachment of tags to valves, manufactured specifically for purpose.

PART 3 EXECUTION

3.01 GENERAL INSTALLATION REQUIREMENTS

- A. Coordination: Where identification is to be applied to surfaces requiring insulation, painting or other covering or finish including valve tags in finished mechanical spaces, install identification after completion of covering and painting. Install identification prior to installation of acoustical ceilings and similar removable concealment.

3.02 PIPING SYSTEM IDENTIFICATION

- A. Locate pipe markers with arrows and color bands as follows wherever piping exposed to view in occupied spaces, machine rooms, accessible maintenance spaces (shafts, tunnels, plenums), and exterior non-concealed locations.
 - 1. Near each valve and control device.
 - 2. Near locations where pipes pass through walls or floors, ceilings or enter non-accessible enclosures.
 - 3. At access doors, manholes, and similar access points permitting view of concealed piping.
 - 4. Near major equipment items and other points of origination and termination.
 - 5. Spaced intermediately at maximum spacing of 30 ft along each piping run, except reduce spacing to 20 ft in congested areas of piping and equipment.
 - 6. On piping above removable acoustical ceilings, except omit intermediately spaced markers.
- B. Locate color bands at each marker and at intermediate spacing not to exceed 10 ft between bands, and at lesser spacing as indicated or as required by local codes.
- C. Locate directional arrows at each marker. Provide 2 arrows at each tee or branch fitting.
- D. Where piping is normally visible from more than 1 side, provide 2 or 3 labels and arrows spaced at 120 degree intervals around pipe in accordance with ASME A13.1.
- E. Painting or Coating:
 - 1. Painting of piping, ductwork, and equipment is work of Section 09 96 10.
 - 2. Colors listed are general. Colors shall match existing piping system color coding.
 - 3. For piping scheduled to be color-coded, but not scheduled for complete painting (such as some plastic piping or aluminum jacked insulation) provide additional banding to represent background color. At each banding location provide following sequence:
 - a. 8 in. wide tape of scheduled pipe color.
 - b. 4 in. wide tape of scheduled band color.
 - c. 8 in. wide tape of scheduled pipe color.

3.03 UNDERGROUND PIPING IDENTIFICATION

- A. During backfilling/topsoil placement of each exterior underground piping systems, install continuous underground type plastic line marker located directly over buried line at 6 to 8 in. below finished grade. Where multiple small lines buried in common trench and do not exceed overall width of 16 in., install single line marker. For tile fields and similar installations, mark only edge pipelines of field.

3.04 MECHANICAL EQUIPMENT IDENTIFICATION

- A. Install engraved plastic equipment marker on or near each major item of mechanical equipment and each operational device, if not otherwise specified for each item or device. Provide signs for each unit having equipment tag number on Drawings or in Specifications.

3.05 ADJUSTING AND CLEANING

- A. Adjusting: Relocate any mechanical identification device visually blocked.
- B. Cleaning: Clean face of identification devices and glass frames of valve schedules.

3.06 FIELD QUALITY ASSURANCE

- A. Final Survey and Repairs:
 - 1. 1 yr after date of substantial completion, CONTRACTOR shall perform walk-through survey of mechanical identification systems and shall remove and replace any bands, labels, tags or markers that are loose, discolored, or defective.
 - 2. Replacement materials shall be provided by CONTRACTOR, not drawn from OWNER'S extra material.

Piping Identification Schedule Table 1 to Section 22 05 53				
Flow Stream Identifier	Background Label Color	Pipe Label Text	Pipe Color	Pipe Banding
WATER				
(W1)(Cold) (Hot)	Green	Potable Water	Light Blue	---
NON-POTABLE WATER				
(CWS)(CWR)	Yellow	Raw Cold Water (Supply) (Return)	Dark Blue	White
	Red	Fire Protection Water	Red	---
AIR				
(V)	Yellow	Plumbing Vent	Match wall color	
(V)	Yellow	Process Vent	Match wall color	
FLAMMABLE GAS				
(G)	Yellow	Natural Gas	Orange	---
DRAINS & WASTE				
---	Yellow	Sanitary Drain	Dark Gray	---
---	Green	Roof Drain	Match wall color	---

*** END OF SECTION ***



855 Morris Street | P.O. Box 1316
Fond du Lac, WI 54936-1316
main 920.921.9020
jfa hern . com

Request For Information

Date:	September 25, 2024
Project #:	7548
Project Name:	Madison Well #15
Customer Contract #:	
RE:	Process Mechanical Identification Correspondence
JFA RFI #:	16

To: Jake Cates
Joe Daniels Construction Co

Prepared by: Adam Landen
Project Manager

This is a request for clarification/interpretation on the following:

JFA RFI 011 (Procore RFI #023) Process & HVAC Mechanical Identification addressed the plumbing piping identification labels. Please confirm process piping identification labels are not required.

Please Review and Respond by: 10/02/2024

Response:

Please add process identification labels to match the process mechanical schedule. Labels are required by DNR as is the color coating per ten states standards.

Response Prepared by: Angel Gibeau Response Returned to Contractor on: 09 October 2024

Change Order Request



Project name:

PFAS Well 15

Requested by:

AECOM

Date:

8/12/2025

Request name:

RFI57- Tempered Water Insulation

Request number:

RFI57

Change description:

This change order is for the labor, material & equipment to provide insulation & PVC jacketing on the tempered water line within the well pump room. This includes insulating around the existing clevis hangers. If new oversized hangers are required, Contractor will need to provide additional cost for the hangers.

Change reason:

Proposed action:

Associated cost:

~~\$1,488.00~~

Approved by:

Date:

Revised for SDWLP CO Eligibility -
\$1,440.95 (subcontractor cost)
\$72.05 (5% GC markup)
\$1,513.00 (total CO cost)

Project Name:		PFAS WELL 15			FO #:	
Material	Quantity	UOM	Material Type	Unit Price	Total	Credit
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
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				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
				\$0	\$0.00	
Sales Tax				0.0%	\$0.00	
Material Cost					\$0.00	
GC OH&Profit				15%	\$0.00	
Material Total					\$0.00	

Labor	Total	Crew Rate	Hours	Description	Crew Size	Labor Type	Total MH
	\$0.00	\$0.00				Supervisor	0
	\$0.00	\$0.00				Equipment Operator	
	\$0.00	\$0.00				Cement Finisher	
	\$0.00	\$0.00				Laborer	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00	\$0.00				-	
	\$0.00			Cost			
	\$0.00	15%		GC OH&Profit			
	\$0.00			Total			

Tools & Equipment	Name	Hours	Rate	Cost	Total Eq. Hours
	-	0	\$0.00	\$0.00	0
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	-	0	\$0.00	\$0.00	
	Cost		\$0.00		
	GC OH&Profit		\$0.00	15%	
	Total		\$0.00		

Subcontractors	Name	Trade/Specialty	Cost	
	Ahern	Mechanical	\$1,367.40	
	Cost		\$1,367.40	
	Subcontractor Markup		\$102.56	7.50%
	Total		\$1,469.96	

Summary	Cost Summary		Totals Summary		
	Material	\$0.00	Cost	\$1,367.40	
	Labor	\$0.00	Sub Markup	\$102.56	7.5%
	Equipment	\$0.00	GC OH&P	\$0.00	15%
	Subcontractors	\$1,367.40	Bond	\$17.09	1.25%
	Total Cost:	\$1,367.40	Total CO:	\$1,487.05	
			\$1,488.00		



855 Morris Street | P.O. Box 1316
Fond du Lac, WI 54936-1316
main 920.921.9020 | fax 920.929.8825
www.jfahern.com

7/7/2025
608-333-0121

Mr. Jake Cates
Joe Daniels Construction
919 Applegate Rd.
Madison, WI 53713

**RE: Madison Well #15
J. F. Ahern Co. Job No. 7548
Customer Contract No. 9342
JFACO006 Tempered Water Insulation**

Dear Jake,

This change order is for the labor, material & equipment to provide insulation & PVC jacketing on the tempered water line within the well pump room. This includes insulating around the existing clevis hangers. If new oversized hangers are required, Contractor will need to provide additional cost for the hangers.

Respond by: 7/11/25

\$1,440.95

One Thousand Three Hundred Sixty Seven and 40/100 Dollars.....~~\$1,367.40~~

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Sincerely,

J. F. Ahern Co.

Adam Landen

Adam Landen
Project Manager
WI Major Construction Division

Enclosures



Change Order Summary

Project: Madison Well #15	
Project #: 7548	
Proposal Date: 7/7/2025	
Change Order #: 6	
Revision: 0	
Description of Work: Tempered Water Insulation	
Total CO Amount:	1,367.40

Item Description	Calc Type	Quantity	Unit of Measure	Unit Price or Rate	PCT %	Total Amount
TOTAL M - Material						-
TOTAL L - Labor						-
L&S Insulation	Lump Sum	1.00	Lump Sum	1,253.00		1,253.00
Subcontractor Handling Fee	Percent	1,253.00				-
TOTAL S - Subcontract						1,253.00
TOTAL E - Equipment						-
TOTAL G - General Conditions						-
Project Management	Unit Price	0.50	Hour	90.00		45.00
TOTAL P - Project Management						45.00
Overhead & Profit - Subcontractor	Percent	1,253.00			5.00%	62.65
Overhead & Profit - Project Management	Percent	45.00			15.00%	6.75
TOTAL O - Overhead & Profit						69.40
TOTAL B - Bond & Insurance						-

Grand Total: **1,367.40**

This proposal only covers the direct costs of labor, materials and equipment to execute the changed work described in the proposal.

At the present time, we cannot assess or evaluate the overall impact of the changed work on our original scope of work.

We thereby reserve our rights to claim for any indirect costs which may arise in the future as a result of delays to the work, out of sequence work, inefficiencies, extended contract completion, labor and material escalation and / or acceleration and extended warranties.

Revised for SDWLP Eligibility -
Subcontractor tool costs, subcontractor
projecty management and associated
markup costs are inelible for COs.

-
\$950.00 (materials)
\$303.00 (labor)
\$187.95 (15% markup)
\$1440.95 (total subcontractor cost)

L & C INSULATION INC.

**La Crosse / Eau Claire / Wausau / Appleton
3120 Airport Rd., P.O. Box 2412
La Crosse, WI 54602-2412
Phone 608-781-9071 Fax 608-781-9031**

Attention: Adam Landen

Project: Madison Well 15

Section: Plumbing Insulation

Date: July 7, 2025

Price: Four hundred seventy-four and 00/100 dollars.

\$ 474.00

Notes:

This quote includes insulation of the following:

- 1. Tempered water line for the eyewash station.**
 - a. Does NOT include a PVC jacket.**

Material: \$ 171.00

Labor: \$ 303.00

- If PVC jacket needs to be installed over the insulation add: \$ 779.00**

***Bid does not include price to endorse additional entities under our insurance policy.**

***All addenda acknowledged**

***Price does not include prevailing wage pricing**

Insulation Contractor ***Zach Brueggeman***
Zach Brueggeman, Estimator L&C