

CERTIFIED COPY OF ORDER

STATE OF MISSOURI

} ea.

November Session of the October Adjourned

Term. 20 22

County of Boone

In the County Commission of said county, on the 17th day of November 20 22

the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby declare that the Boone County Holiday Schedule for 2023 will be in agreement with the Public Holiday List from the State Offices issued by the Office of the Governor, State of Missouri, with the addition of November 24, 2023 (Thanksgiving Day After) and recognition of October 9, 2023 as Indigenous People's Day. Any additional holidays for 2023 adopted by the Office of the Governor will automatically be adopted by Boone County.

Done this 17th day of November 2022.

ATTEST:


Brianna L. Lennon
Clerk of the County Commission



Daniel K. Atwill
Presiding Commissioner



Justin Aldred
District I Commissioner



Janet M. Thompson
District II Commissioner

Boone County Holidays 2023

New Year's Day	Monday, January 2
Martin Luther King, Jr.'s Birthday	Monday, January 16
Lincoln's Birthday	Monday, February 13
Washington's Birthday	Monday, February 20
Truman Day	Monday, May 8
Memorial Day	Monday, May 29
Juneteenth	Monday, June 19
Independence Day	Tuesday, July 4
Labor Day	Monday, September 4
Columbus Day	Monday, October 9
Veterans Day	Friday, November 10
Thanksgiving Day	Thursday, November 23
Christmas Day	Monday, December 25

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County of Boone

In the County Commission of said county, on the

17th

day of

November

20 22

the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby approve the attached Payroll Calendar for FY2023.

Done this 17th day of November 2022.

ATTEST:



Brianna L. Lennon
Clerk of the County Commission



Daniel K. Atwill
Presiding Commissioner



Justin Aldred
District I Commissioner



Janet M. Thompson
District II Commissioner

2023 PAYROLL CALENDAR

#	PAY PERIOD START	PAY PERIOD END	TURN IN DEADLINE	OBSERVED HOLIDAYS	PAY DATE
					JANUARY
1	12/19/2022	1/1/2023	12/30/2022	NEW YRS DAY 1/2/2023	FRIDAY 1/6/23
2	1/2/2023	1/15/2023	1/13/2023	MLK 1/16	FRIDAY 1/20/23
					FEBRUARY
3	1/16/2023	1/29/2023	1/30/2023		FRIDAY 2/3/23
4	1/30/2023	2/12/2023	2/10/2023	LINCOLN B-DAY 2/13	FRIDAY 2/17/23
					MARCH
5	2/13/2023	2/26/2023	2/27/2023	PRESIDENT'S DAY 2/20	FRIDAY 3/3/23
6	2/27/2023	3/12/2023	3/13/2023		FRIDAY 3/17/23
7	3/13/2023	3/26/2023	3/27/2023		FRIDAY 3/31/23
					APRIL
8	3/27/2023	4/9/2023	4/10/2023		FRIDAY 4/14/23
9	4/10/2023	4/23/2023	4/24/2023		FRIDAY 4/28/23
					MAY
10	4/24/2023	5/7/2023	5/5/2023		FRIDAY 5/12/23
11	5/8/2023	5/21/2023	5/22/2023	TRUMAN'S B-DAY 5/8	FRIDAY 5/26/23
					JUNE
12	5/22/2023	6/4/2023	6/5/2023	MEMORIAL DAY 5/29	FRIDAY 6/09/23
13	6/5/2023	6/18/2023	6/16/2023	JUNETEENTH 6/19	FRIDAY 6/23/23
					JULY
14	6/19/2023	7/2/2023	6/30/2023	JULY 4TH 7/4	FRIDAY 7/7/23
15	7/3/2023	7/16/2023	7/17/2023		FRIDAY 7/21/23
					AUGUST
16	7/17/2023	7/30/2023	7/31/2023		FRIDAY 8/4/23
17	7/31/2023	8/13/2023	8/14/2023		FRIDAY 8/18/23
					SEPTEMBER
18	8/14/2023	8/27/2023	8/28/2023		FRIDAY 9/1/23
19	8/28/2023	9/10/2023	9/11/2023	LABOR DAY 9/4	FRIDAY 9/15/23
20	9/11/2023	9/24/2023	9/25/2023		FRIDAY 9/29/23
					OCTOBER
21	9/25/2023	10/8/2023	10/6/2023	COLUMBUS DAY 10/9	FRIDAY 10/13/23
22	10/9/2023	10/22/2023	10/23/2023		FRIDAY 10/27/23
					NOVEMBER
23	10/23/2023	11/5/2023	11/3/2023	VETERANS DAY 11/10	***THURS 11/9/23
24	11/6/2023	11/19/2023	11/17/2023	THANKSGIVING 11/23 BLACK FRIDAY 11/24	***WED 11/22/23
					DECEMBER
25	11/20/2023	12/3/2023	12/4/2023		FRIDAY 12/8/23
26	12/4/2023	12/17/2023	12/18/2023	CHRISTMAS 12/25	FRIDAY 12/22/23

(2023 PY CALENDAR LINDA)

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November Session of the October Adjourned

Term. 20 22

County of Boone

In the County Commission of said county, on the 17th day of November 20 22

the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby approve the 2020 Crimes Against Children/Sex Crimes – Boone County Cyber Task Force Subaward Adjustment budget revision to reallocate \$3,087.21 in unspent funds.

Done this 17th day of November 2022.

ATTEST:



Brianna L. Lennon
Clerk of the County Commission



Daniel K. Atwill
Presiding Commissioner



Justin Aldred
District I Commissioner


Janet M. Thompson
District II Commissioner

Missouri Department of Public Safety

Subaward Adjustment

2020-VD-BX-0223-CAC-01-FY 2020 Crimes Against Children/Sex Crimes - Boone County Cyber Task Force

Coronavirus Emergency Supplemental Funding (CESF)

Subaward Adjustment ID:	03	Submitted By:
Subaward Adjustment Type:	Budget Revision	Submitted Date:
Status:	Editing	
Organization:	Boone County, Cyber Task Force	

Justification

Justification*

Please explain the reason for the requested adjustment and include the effective date. State the need for the change and how the requested revision will further the objectives of the project.

Several budget items have come in under budget resulting in unspent funds totaling \$3087.21 as detailed in the budget section of this request. This subaward adjustment is a request to allocate the unspent funds to equipment as detailed below.

Bluetooth USB adapter (x3 \$12.99 ea.)	\$38.97
Bose wireless Bluetooth headphones (x3 \$249.00 ea.)	\$747.00
Video port to HDMI cables (x2 \$10.99 ea.)	\$21.98
HDMI cable:	\$15.19
Audio Switch:	\$24.99
Basic speakers:	\$39.99
Primary speakers:	\$146.99
Computer monitor:	\$199.99
Television/Monitor:	\$497.99
TV/Monitor wall mount:	\$49.99
Computer cooling fan:	\$88.89
Digital document scanner (x2 \$329.00 ea.)	\$658.00
Portable digital document scanner:	\$174.00
Desk organizer:	\$16.62
SSD hard drives 2TB:	\$189.00
Samsung 128GB USB drives (x3 \$17.99 ea.)	\$53.99
Miscellaneous equipment:	\$123.63
Total:	\$3087.21

All items were priced and selected from a major online retailer. All items will be used at the Boone County Sheriff's Office Cyber Crimes Unit in direct support of investigations involving crimes against children. The items will be used to improve, enhance, and modernize three workstations used by three full-time detectives during their investigations. As an example, the cooling fan, speakers, audio switch, HDMI cable, wall mount, and computer monitors will be used with the brand-new forensic computer previously purchased with this grant.

Budget

Row	Current Budget	Revised Amount	Net Change
Personnel	\$0.00	\$0.00	\$0.00
Personnel Benefits	\$0.00	\$0.00	\$0.00
Personnel Overtime	\$0.00	\$0.00	\$0.00
Personnel Overtime Benefits	\$0.00	\$0.00	\$0.00
PRN Time	\$0.00	\$0.00	\$0.00
PRN Benefits	\$0.00	\$0.00	\$0.00
Volunteer Match	\$0.00	\$0.00	\$0.00
Travel/Training	\$15,034.55	\$12,717.88	(\$2,316.67)
Equipment	\$22,399.00	\$25,286.21	\$2,887.21
Supplies/Operations	\$0.00	\$0.00	\$0.00
Contractual	\$7,807.00	\$7,236.46	(\$570.54)
Renovation/Construction	\$0.00	\$0.00	\$0.00
Indirect Costs	\$0.00	\$0.00	\$0.00
Totals	\$45,240.55	\$45,240.55	\$0.00

Federal/State and Local Match Share

Row	Current Budget	Current Percent	Revised Amount	Revised Percent	Net Change
Total Federal/State Share	\$0.00	0%	\$0.00	0%	\$0.00
Total Local Match Share	\$0.00	0%	\$0.00	0%	\$0.00

Confirmation

Your typed name as the applicant authorized official, in lieu of signature, represents your legally binding acceptance of the terms of this subaward adjustment and your statement of the veracity of the representations made in this subaward adjustment. You must include your title, full legal name, and the current date.

Authorized Official

Name:*

[Handwritten Signature]

Title:*

Presiding Commissioner

Date:*

11.17.2022

Attachments

Description	File Name	File Size
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November Session of the October Adjourned

Term. 20 22

In the County Commission of said county, on the 17th day of November 20 22

the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone does hereby approve the 2023 Boone County Sheriff's Office Cyber Crimes Task Force Subaward Adjustment budget revision request to utilize grant funding to purchase the RECON ITR software.

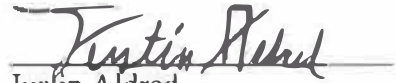
Done this 17th day of November 2022.

ATTEST:

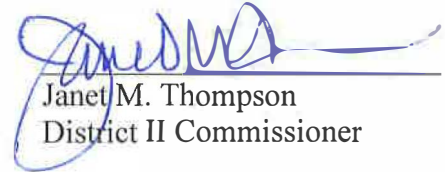
Brianna L. Lennon
Brianna L. Lennon
Clerk of the County Commission



Daniel K. Atwill
Presiding Commissioner



Justin Aldred
District I Commissioner



Janet M. Thompson
District II Commissioner

Missouri Department of Public Safety

Subaward Adjustment

2023-SCCG-001-2023 SCCG Boone County Sheriff's Office Cyber Crimes Task Force

State Cyber Crime Grant (SCCG)

Subaward Adjustment ID:	01	Submitted By:
Subaward Adjustment Type:	Budget Revision	Submitted Date:
Status:	Editing	
Organization:	Boone County, Cyber Task Force	

Justification

Justification*

Please explain the reason for the requested adjustment and include the effective date. State the need for the change and how the requested revision will further the objectives of the project.

Historically, the Task Force has used a product called BlackBag for forensic exams involving macOS (Apple computers). BlackBag was acquired by Cellebrite and incorporated into two products called Collector and Inspector. After the acquisition, these products have lagged behind current technology and there are indications the products will be phased out by Cellebrite.

The Task Force has identified another forensic solution for macOS. The product is called Recon ITR by Sumari. From Sumari's website:

"RECON ITR is a tool to image and capture data from all Intel macOS computers. RECON ITR is designed for both novice and advanced investigators. RECON forensic solutions are built natively on the macOS platform to support imaging and triaging a Mac natively. With RECON ITR there is no need to wait for answers like other solutions. RECON ITR does the triage and analysis within the same tool. With RECON ITR there is no need to collect data with one tool then purchase another tool to do the analysis. Get the answers you need right now. "

If this sub-award adjustment is approved, the Task Force intends to not renew Collector and Inspector (\$1618.55) and purchase Recon ITR (\$1608.95) instead. These funds are currently in the SCCG budget under "Supplies/Operations". The Collector and Inspector product is described in the budget justification section under "Cellebrite UFED Ultimate with one Collector/Inspector license renewal".

This is a zero cost sub-award adjustment. We are asking to reallocate existing "Supplies/Operations" funds to a new forensic solution still under "Supplies/Operations". This would be a one-year licensing used primarily by Detective Cody Bounds.

Budget

Row	Current Budget	Revised Amount	Net Change
Personnel	\$119,651.35	\$119,651.35	\$0.00
Personnel Benefits	\$0.00	\$0.00	\$0.00
Personnel Overtime	\$0.00	\$0.00	\$0.00
Personnel Overtime Benefits	\$0.00	\$0.00	\$0.00
PRN Time	\$0.00	\$0.00	\$0.00
PRN Benefits	\$0.00	\$0.00	\$0.00
Volunteer Match	\$0.00	\$0.00	\$0.00
Travel/Training	\$3,080.00	\$3,080.00	\$0.00
Equipment	\$0.00	\$0.00	\$0.00
Supplies/Operations	\$52,633.65	\$52,633.65	\$0.00
Contractual	\$0.00	\$0.00	\$0.00
Renovation/Construction	\$0.00	\$0.00	\$0.00
Indirect Costs	\$0.00	\$0.00	\$0.00
Totals	\$175,365.00	\$175,365.00	\$0.00

Federal/State and Local Match Share

Row	Current Budget	Current Percent	Revised Amount	Revised Percent	Net Change
Total Federal/State Share	\$0.00	0%	\$0.00	0%	\$0.00
Total Local Match Share	\$0.00	0%	\$0.00	0%	\$0.00

Confirmation

Your typed name as the applicant authorized official, in lieu of signature, represents your legally binding acceptance of the terms of this subaward adjustment and your statement of the veracity of the representations made in this subaward adjustment. You must include your title, full legal name, and the current date.

Authorized Official

Name:*

Title:*

Date:*

[Handwritten Signature]
David K. Kattal
 Presiding Commissioner
 11.17.2022

Attachments

Description	File Name	File Size
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314 -2022

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STATE OF MISSOURI }
County of Boone } ea.

November Session of the October Adjourned

Term. 20 22

In the County Commission of said county, on the 17th day of November 20 22

the following, among other proceedings, were had, viz:

Now on this day, the County Commission of the County of Boone, upon the recommendation of its design professional PW Architects, Inc., does hereby approve a change order in the amount of \$10,897.50 with the County's contractor, Curtiss-Manes-Schulte, Inc. Commissioner Janet Thompson is authorized to sign said change order.

Done this 17th day of November 2022

ATTEST:


Brianna L. Lennon
Clerk of the County Commission


Daniel K. Atwill
Presiding Commissioner


Justin Aldred
District I Commissioner


Janet M. Thompson
District II Commissioner

CURTISS

MANES

SCHULTE

INC.

General Contractor

PROPOSED CHANGE ORDER

DATE: 11/14/2022

No. 08

TO:

Boone County Commission

801 E. Walnut St., Rm 333

Columbia, MO 65201

ATTN: **Greg Edington**

PROJECT:

New Vehicle Storage & Facility Improvements At

Boone County Road & Bridge Facility

TITLE: **PCO 08 - Water Heater**

DESCRIPTION OF PROPOSAL:

Per RFP 06 and ASI 07 for a new gas water heater, provided by owner, installed at the mezzanine above Break Room 131.

Item	Description	Quantity	Units	Units Price	Amount
01	Summit Mechanical	1	LS		\$9,551.00
02	SMC Electric	1	LS		\$356.50
03	CMS Overhead & Profit	1	LS		\$990.00

TOTAL: \$10,897.50

CURTISS MANES SCHULTE INC.

P.O. Box 233

1211 Business 54 South

Eldon, Missouri 65026

Phone: 573-392-6553 Fax: 573-392-4527

Ryan Brady

Ryan Brady



11/2/2022

From: **Keith Gibson** *keithg@summitmechanical.biz*
 To: **Ryan Brady** *CMS*
 Job: **BoCo Vehicle Storage** *Job# 1930*

Description

ASI 7. New Domestic water main & water heater per ASI 7. Water heater, water heater pan, recirc pump and intake /exhaust piping supplied by owner.

Material

Qty	Description	Each	Total
1.0	Domestic Water Material	\$ 3,360.32	\$ 3,360.32
1.0	gas to water heater material	\$ 160.27	\$ 160.27
-		\$ -	\$ -
-		\$ -	\$ -
-		\$ -	\$ -
-		\$ -	\$ -
-		\$ -	\$ -
-		\$ -	\$ -

Labor

Qty	Description	Each	Total
43.0	Domestic Water Man Hours	\$ 102.08	\$ 4,389.61
4.0	Gas Man Hours	\$ 102.08	\$ 408.34
-		\$ -	\$ -
-		\$ -	\$ -
-		\$ -	\$ -
-		\$ -	\$ -
-		\$ -	\$ -
-		\$ -	\$ -

Subcontractor

Qty	Description	Each	Total
1.0	Insulation	\$ 1,232.00	\$ 1,232.00
-		\$ -	\$ -
-		\$ -	\$ -
-		\$ -	\$ -

Material	\$	3,520.60
Labor	\$	4,797.95
Subcontractor	\$	1,232.00
Tax	\$	-
Total	\$	9,551.00

*Additional working days required to perform work:
 All exclusions/conditions on original proposal apply to this change.*

Ryan Brady

From: Steven Meyer <stevemeyerelec@gmail.com>
Sent: Monday, November 14, 2022 2:04 PM
To: Ryan Brady
Subject: Boone Country Vehicle Storage

Ryan,

The cost for adding power for the gas water heater is \$356.50.

Thank you,
Steven W Meyer
SMC Electric
(573)680-1198

PROPOSAL REQUEST

PROJECT:

New Vehicle Storage & Facility Improvements at
Boone County Road & Bridge Facility on Tom Bass Road
Bid No. 38-09DEC21

RFP NUMBER: **006**

DATE OF ISSUANCE: 10/19/2022

OWNER:

Boone County Commission

PWA PROJECT NUMBER: 201907

TO CONTRACTOR:

Shawn Schulte
Project Manager
Curtiss-Manes-Schulte, Inc.
1211 Business 54 South
Eldon, MO 65026

ARCHITECT:

Erik Miller, AIA, CDT
PWArchitects, Inc.
2120 Forum Blvd. Suite 101
Columbia, Missouri 65203

Please submit an itemized proposal for changes in the Contract Sum and Contract Time for proposed modifications to the Contract Documents described herein. Submit proposal within 10 business days, or notify the Architect in writing of the date on which you anticipate submitting your proposal.

THIS IS NOT A CHANGE ORDER, A CONSTRUCTION CHANGE DIRECTIVE OR A DIRECTION TO PROCEED WITH THE WORK DESCRIBED IN THE PROPOSED MODIFICATIONS. AN OFFICIAL CHANGE ORDER WILL FOLLOW AFTER THIS REQUEST HAS BEEN RESPONDED TO.

Description:

Contractor shall provide pricing for:

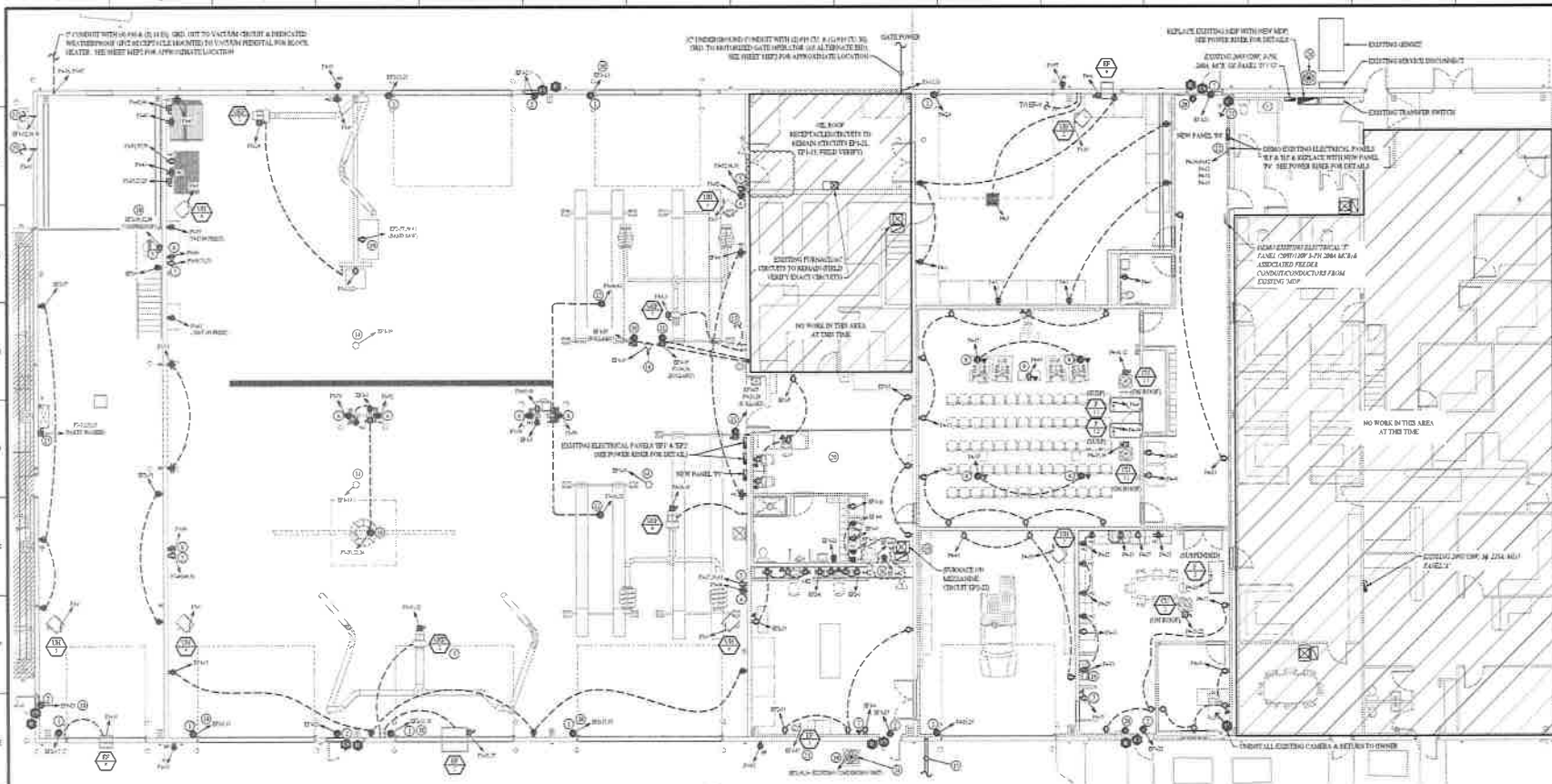
Please provide pricing for the following changes related to the Owner's replacement of their existing water heater with a new gas water heater with power vent:

1. Gas water heater with power vent (provided by Owner).
2. Replace existing electric water heater on mezzanine with gas water heater and make associated plumbing connections (by contractor)
3. Gas piping modification/extension to water heater (by contractor).
4. No electrical modifications required, the existing 120V circuit for the new water heater can be re-used.

This RFP is requested due to the Owner's recent change to replace their existing water heater, which affects the scope of work for this project.

Attachments: Revised MEP Sheets EP102 & PW102.

By: Dylan Powell, AIA
PWArchitects, Inc. (PWA)



POWER PLAN GENERAL NOTES:

1. SEE SHEET EM-1 & EM-10 FOR ADDITIONAL ELECTRICAL WIRING DETAILS & SCHEDULED WIRING TYPES. PROVIDE ALL ELECTRICAL PLANS WITHIN THE AREA.
2. ELECTRICAL CONTRACTOR TO TRACE ALL EXISTING CIRCUITS WITHIN AREAS OF NEW WORK TO DETERMINE EXACT QUANTITY OF UNLABELED CIRCUITS. NOTIFY ENGINEER OF SUBSTANTIAL PLAN DISCREPANCIES.
3. ELECTRICAL CONTRACTOR TO DEMO ANY/ALL UNLABELED PORTIONS OF EXISTING ELECTRICAL CONDUIT/CONDUCTORS AS REQUIRED FIELD VERIFY.

POWER PLAN KEY NOTES:

1. POWER FOR OVERHEAD BOOK ORDER. COORDINATE EXACT LOCATION & REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.
2. POWER FOR ACCESS CONCEALS ABOVE REAR SIDE OF DOOR. COORDINATE EXACT LOCATION & REQUIREMENTS WITH DOOR EQUIPMENT SUPPLIER / INSTALLER.
3. POWER FOR ALLOCATED COMPRESSOR. COORDINATE EXACT LOCATION & REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.
4. POWER FOR 150WATT CEILING MOUNTED SPEAKER PROVIDED BY OWNER. COORDINATE EXACT LOCATION & REQUIREMENTS WITH OWNER. (NOTE: NO LAMPS USED)
5. POWER FOR WELDER. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.
6. PROVIDE A INSTALL CEILING MOUNTED CORO RED EQUAL TO RED CRAPT BLANK. COORDINATE EXACT LOCATION WITH OWNER.
7. POWER DATA FOR TIMELOCK. COORDINATE EXACT LOCATION & HEIGHT WITH OWNER.
8. POWER DATA FOR IN-CEILING SPEAKER PROVIDED BY OWNER. COORDINATE EXACT LOCATION & REQUIREMENTS WITH OWNER.
9. POWER DATA FOR IN-CEILING PROJECTOR PROVIDED BY OWNER. COORDINATE EXACT LOCATION & REQUIREMENTS WITH OWNER.
10. POWER FOR 300-WATT IN-CEILING MOUNTED IN ACCESSIBLE LOCATION ON CEILING. CONSULT CONDUCTORS ROUTE UP FROM CEILING DOWN TO CEILING FROM OVERHEAD. VERIFY EXACT LOCATION & REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.
11. POWER FOR VEHICLE LIFT. 200V CIRCUIT & 150V CIRCUIT RATED BELOW SLAB & UP IN ROLLED WITH COMPRESSED AIR. 200V CIRCUIT FOR LIFT WITH DISCONNECT MOUNTED ON ROLLED. COORDINATE EXACT LOCATION & REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.
12. POWER FOR VEHICLE LIFT. DISCONNECT MOUNTED IN ACCESSIBLE LOCATION ON CEILING. CONSULT CONDUCTORS ROUTE UP FROM CEILING DOWN TO LIFT FROM OVERHEAD. VERIFY EXACT LOCATION & REQUIREMENTS WITH OWNER PRIOR TO INSTALLATION.

POWER PLAN SYMBOL LEGEND:

- CONDUIT RISING
- CONDUIT FLOOR
- CONDUIT
- ⊕ ANCHOR BOX
- ⊕ RECEPTACLE
- ⊕ RECEPTACLE INDICATES MOUNTING HEIGHT TO BOTTOM OF BOX (STANDARD @ 4' AFF UNLESS NOTED OTHERWISE)
- ⊕ WIP - WALL/CEILING/ROOF OUTDOOR RECEPTACLE
- *WV - ABOVE WINDOW RECEPTACLE
- *AC - ABOVE CEILING RECEPTACLE
- *R - READING RECEPTACLE TO REARM
- ⊕ GFCI DUPLEX CONVENIENCE RECEPTACLE
- ⊕ 200V RECEPTACLE
- ⊕ UNLabeled CONVENIENCE RECEPTACLE
- ⊕ DATA / PHONE/LAN BOX WITH P-CIRCUIT & P-ALL STRUNG UP TO CEILING SPACE (STANDARD @ 1' AFF UNLESS NOTED OTHERWISE)
- ⊕ DISCONNECT
- ⊕ TIE-TO EXISTING
- ⊕ CARD READER
- ⊕ ELECTRIC STRAP
- ⊕ WALL MOUNT CAMERA (AREA OF INDICATED NEW DIRECTION)

October 27, 2021

James W. Adams, P.E.
P.E. License # 10171
MO Certificate of Authority # 20182940

J-SQUARED ENGINEERING
2403 Bermuda Drive, Suite 201 | 671-24-4472 phone
Columbia, Missouri 65211 | www.j-square.com

Project Name: Certificate of Authority # 002794

Scale: 1/8" = 1'-0"

POWER PLAN - EXISTING FACILITY

10/15/2021

Project Number: 201807

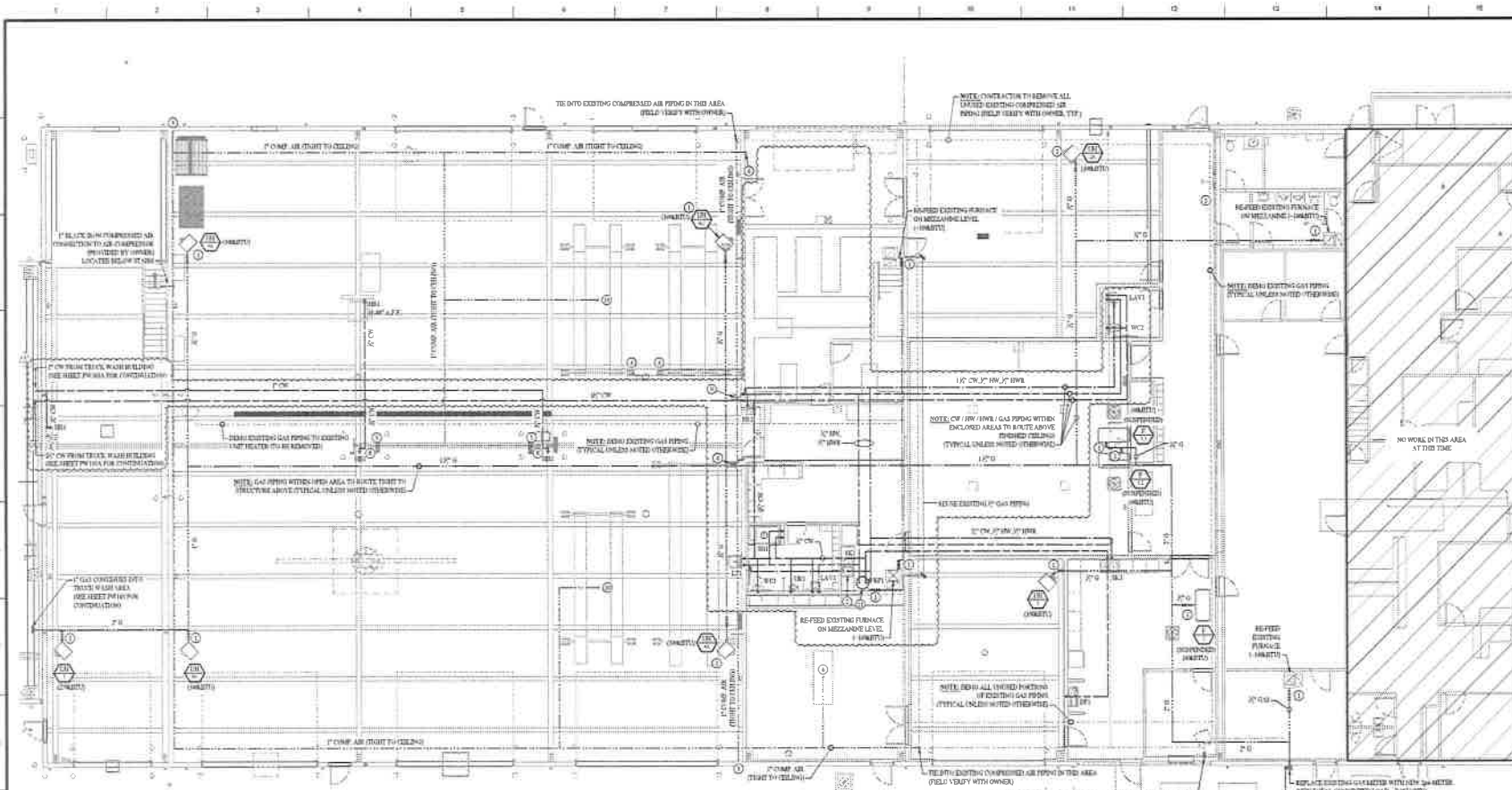
Client: CUB (See Name Numbers)

Project Name: **POWER PLAN - EXISTING FACILITY**

No.	Revisions	Date
1	ADD ELECTRICAL #2	11-03-2021
2	REV #2	09-23-2021
3	REV #6	10-19-2021
4	ADD #7	10-27-2021

Supervisor Date: 10/15/2021

Drawing Number: **EP102**



WATER, GAS, & COMPRESSED AIR PLAN - EXISTING FACILITY
SCALE: 3/8" = 1'-0"

- WATER & GAS PLAN KEY NOTES:**
- 1/4" to 1 1/2" 1/2" C VENT-LESS PRESSURE REGULATORS & SHUT-OFF VALVES AT GAS APPLIANCE
 - REPLACES EXISTING SINK WITH NEW, THE DOTO EXISTING CW / HW PIPING IN THIS AREA.
 - 1/2" CW COMPRESSED AIR PIPING DOWN WALL COLLIN TO UP ASS WITH SHUT-OFF VALVE, PRESSURE REGULATOR, AND QUICK CONNECT. SEE DETAIL ON SHEET PWA. VERIFY EXACT LOCATION & REQUIREMENTS WITH OWNER.
 - 1/2" CW COMPRESSED AIR FROM DOWN WALL TO HANG, BARGE UNDER BLOW DOWN ISLAND OF WITH HOLLOW AT 10" TO 12" PRESSURE & NOT ALL SHUT-OFF VALVE & PRESSURE REGULATOR SET INCLUDE. COORDINATE EXACT LOCATION & REQUIREMENTS WITH OWNER.
 - DOTO EXISTING PENDING POINTS. CAP EXISTING CW SUPPLY LINE ABOVE CEILING.
 - 1/2" CW COMPRESSED AIR PIPING DOWN TO HANG STATION WITH SHUT-OFF VALVE & PRESSURE REGULATOR. COORDINATE EXACT LOCATION & REQUIREMENTS WITH OWNER.
 - THE DOTO EXISTING OVERHEAD CW/HW LINES IN THIS AREA, THE DOTO 1/2" CW MINIMUM WHERE NEW LINES SERVES PLUMB VALVE WATER CLOSET (PENDING EXACT LOCATION)
 - 1/2" CW DOWN COLLIN TO THIS ROOM TO 1/2" UP A 1/2" COORDINATE EXACT LOCATION & REQUIREMENTS WITH OWNER.
 - NOT ALL OWNER PROVIDED EYE-ANALYSTATION. VERIFY DETAILS WITH OWNER.
 - 1/2" CW COMPRESSED AIR LINE DOWN TO VERTICAL UP WITH SHUT-OFF VALVE, PRESSURE REGULATOR, AND QUICK CONNECT. SEE DETAIL ON SHEET PWA. VERIFY EXACT LOCATION & REQUIREMENTS WITH OWNER.
 - PLUMBING CONTRACTOR TO INSTALL NEW HANGERS ON MESSAGING LEVEL. OWNER TO PROVIDE NEW WATER HEATER SIGNAL TO BLEED WROCK-OFF-PUMP, WATER HEATER DRAIN PAN & ALL VENT PIPING CONTRACTOR TO INSTALL PER MANUFACTURER'S SPECIFICATIONS & TO INCLUDE EXPANSION TANK (EXP)

- WATER & GAS PLAN GENERAL NOTES:**
- SEE SHEET PWA FOR ADDITIONAL PLUMBING NOTES, DETAILS & SCHEDULES
 - EXISTING OWNER GAS SUPPLY LINES SHOWN FOR REFERENCE ONLY. PLUMBING CONTRACTOR TO FIELD-VERIFY EXACT SIZE, LOCATION (INCLUDING EQUIPMENT) AND WAITING PRIOR TO REOPENING HOLES.
 - SEE SHEET PWA FOR ALTERNATE-AND INFORMATION IN THIS AREA.
 - PROVIDE ALTERNATE BID TO OWNER FOR ALL NEW COMPRESSED AIR PIPING SHOWN TO BE EQUAL TO AVAILABLE (AFFIRMATIVE) AND ALREADY INSTALLED IN PLACE OF BLACK IRON.

- WATER & GAS PLAN SYMBOL LEGEND**
- COLD WATER LINE
 - WATER METER
 - VALVE
 - REGULATOR
 - PUMP
 - GAS LINE
 - GAS METER
 - HW LINE (BLACK IRON UNLESS NOTED OTHERWISE)
 - PIPING FINISHED DOWN / FINISHED UP
 - TO DOTO EXISTING



James Wilson, PE
PE 179-24-4076
MD Certificate of Authority # 813029680

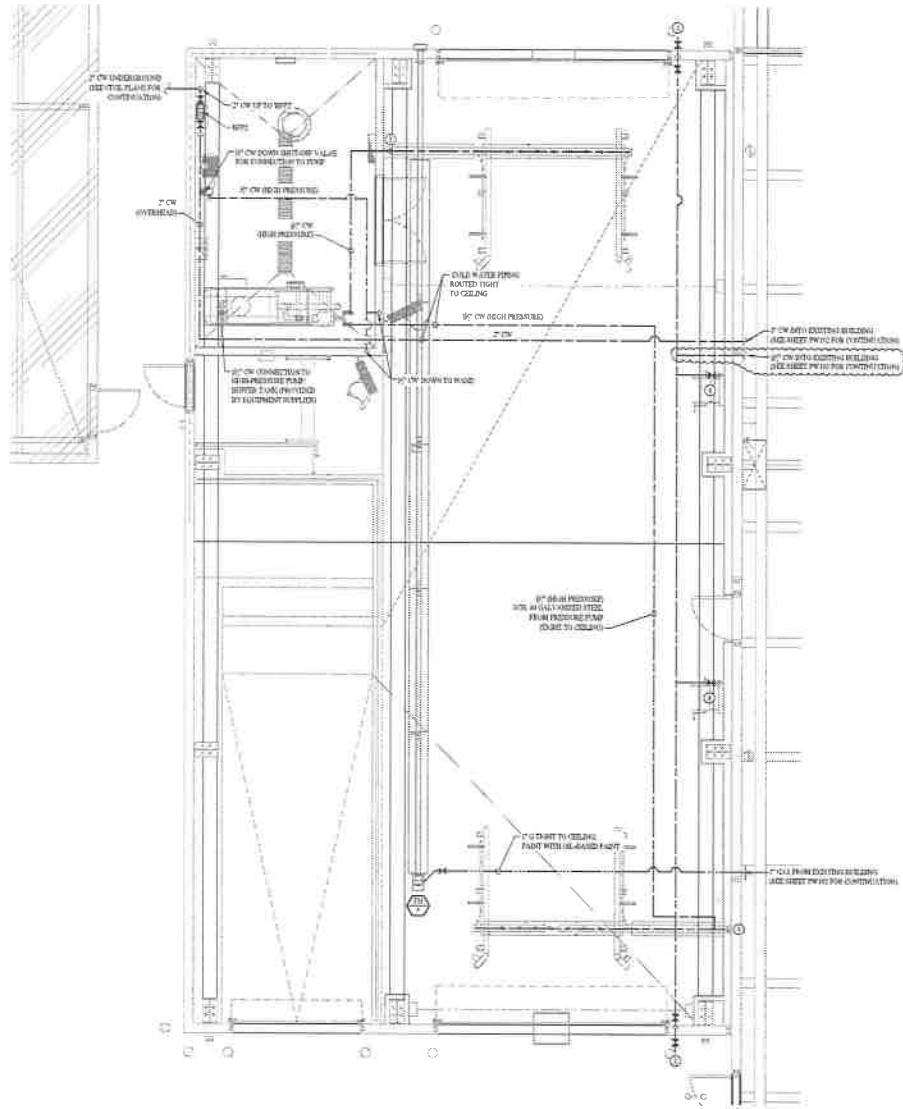


Project Name: **NEW VEHICLE STORAGE & FACILITY IMPROVEMENTS AT BOONE COUNTY ROAD 8 BRIDGE FACILITY ON TOM BASS ROAD**
 BID NO. 34-9005271
 5551 SOUTH TOM BASS RD.
 COLUMBIA, MD 21051

Drawn:	Project Number:
ACW	201907
Checked:	CSE (See Notes 10/15/2021)
ACW	

Drawing Title:		
WATER, GAS, & COMPRESSED AIR PLAN - EXISTING FACILITY		
No.	Revision:	Date:
1	ADD #1	10/15/2021
2	ADD #2	10/15/2021
3	ADD #3	10/15/2021

Submission Date:	10/15/2021
Revision Date:	10/15/2021
Drawing Number:	PW102



WATER & GAS ALTERNATE PLAN - TRUCK WASH
SCALE: 1/4" = 1'-0"

WATER & GAS PLAN GENERAL NOTES:

1. SEE SHEET PWS FOR ADDITIONAL PLUMBING METER, DETAILS, & SCHEDULES
2. REFER TO TRADE WORK REQUIREMENT SUPPLIER DRAWINGS & REQUIREMENTS FOR EXACT DETAILS & REQUIREMENTS WITHIN PLUMBING SCOPE
3. ALL TRADE WORK NOT SHOWN HEREIN TO BE PROVIDED AS ALTERNATE BIDDING TO OWNER

WATER & GAS PLAN KEY NOTES:

1. 2" CW TO 1 1/2" CW VENT-LESS PRESSURE REGULATOR & SHUT-OFF VALVE AT APPLIANCE
2. 2" CW DOWN THROUGH FLOOR STYLE CONNECTION AT 4" A.F.F. PROVIDE & INSTALL SHUT-OFF VALVE WITH 1/2" BENDING OF PIPE. CONSULT VENDOR FOR DETAILS & REQUIREMENTS WITHIN SCOPE
3. 1/2" CW DOWN THROUGH FLOOR LINE DOWN IN WALL TO TROUGH FOR UNDERWASH SYSTEM PROVIDED BY EQUIPMENT SUPPLIER
4. 2" CW DOWN IN WALL TO HUBBED, (PROTECTED & INSTALLED BY CONTRACTOR) EQUAL TO EIGHT FLOOR-AS MOUNTED AT 4" A.F.F. INCLUDE ISOLATION SHUT-OFF VALVE

WATER & GAS PLAN SYMBOL LEGEND

- COLD WATER LINE
- WATER METER
- VALVE
- REGULATOR
- PUMP
- GAS LINE
- GAS METER
- AIR LINE
- FLOOR THROUGH DOWN / THROUGH UP
- TIE INTO EXISTING

James W. Jones, P.E.
101101
350 Concourse of Authority # 201827480
October 27, 2022

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NEW VEHICLE STORAGE & FACILITY IMPROVEMENTS AT BOONE COUNTY ROAD & BRIDGE FACILITY ON TOM BASS ROAD
SIB NO. 24-0000274
5551 SOUTH TOM BASS RD.
COLUMBIA, MO 65201

Client:	Project Number:	
ACW	201907	
Designer:	CAD File Name (Optional):	
ACW		
Drawing Title:		
WATER & GAS ALTERNATE PLAN - TRUCK WASH		
Rev:	Revisions:	Date:
1	ASJ/PT	10/11/2022
Submitted Date:		Drawing Number:
10/15/2021		PW103A
Plot Date:		
10/15/2021		