



CITY OF ANAMOSA

CITY COUNCIL AGENDA – REGULAR SESSION

MONDAY, DECEMBER 12, 2022 – 6:00 P.M.
ANAMOSA LIBRARY & LEARNING CENTER
600 EAST 1ST STREET, ANAMOSA, IA 52205

Zoom Meeting Link
<https://us02web.zoom.us/j/85391554605>
Meeting ID: 853 9155 4605
Passcode: Anamosa

Join by Telephone
+1 312 626 6799 US
Meeting ID: 896 1763 8865
Passcode: 5324213

If you wish to address the City Council, please wait for the Mayor to open the floor for public comment on that agenda item and then approach the podium. Before speaking, please state your name and address. Each speaker is limited to five (5) minutes per agenda item and is expected to refrain from the use of profane, obscene, or slanderous language.

The above Zoom link does not allow for participation in the meeting. It is for viewing only.

1.0) ROLL CALL

2.0) PLEDGE OF ALLEGIANCE

3.0) MOTION TO APPROVE THE MINUTES FROM THE FOLLOWING MEETINGS:

3.1) NOVEMBER 28, 2022 – REGULAR COUNCIL MEETING

3.2) DECEMBER 7, 2022-SPECIAL MEETING

4.0) PUBLIC HEARINGS:

4.1) PROPOSED PURCHASE/LEASE OF POLICE VEHICLES

1. MAYOR OPENS PUBLIC HEARING

2. PROCEEDINGS

3. MOTION TO CLOSE PUBLIC HEARING

4.2) PROPOSED PURCHASE OF UTILITY SLUDGE DUMP TRUCK

1. MAYOR OPENS PUBLIC HEARING

2. PROCEEDINGS

3. MOTION TO CLOSE PUBLIC HEARING

4.3) PROPOSED PURCHASE OF FIRE TRUCK FOR FIRE DEPARTMENT

1. MAYOR OPENS PUBLIC HEARING

2. PROCEEDINGS

3. MOTION TO CLOSE PUBLIC HEARING

5.0) OLD BUSINESS:

5.1) **ORDINANCE 2022-956:** AMENDING CHAPTER 69.13 OF THE ORDINANCES OF THE CITY OF ANAMOSA, IOWA CONCERNING DOWNTOWN PARKING REGULATIONS (3rd READING)

5.2) **REVIEW AND APPROVAL:** CHANGE ORDER #2 WITH HR GREEN FOR THE SANITARY SEWER REPLACEMENT IN THE ALLEY BETWEEN FORD STREET AND N. HUBER ST

5.3) **REVIEW AND APPROVAL:** CHANGE ORDER #3 WITH HR GREEN FOR THE DEDUCT OF \$-2,157.91 FOR THE JORDAN WELL #6 FOR RELOCATING THE UTILITY TRANSFORMER AND TREE PLANTINGS

- 5.4) **REVIEW AND APPROVAL:** CHANGE ORDER #4 WITH BOOMERANG FOR THE FIRE STATION ADDITION TO FIX TRENCH DRAINAGE TO REMAIN ON PROPERTY IN THE AMOUNT OF \$1,353.55
- 5.5) **REVIEW AND APPROVAL:** PAYMENT TO BOOMERANG CORPORATION FOR THE FIRE STATION ADDITION IN THE AMOUNT OF \$122,521.25
- 5.6) **REVIEW AND APPROVAL:** PAYMENT TO HR GREEN FOR PROFESSIONAL SERVICE THROUGH APRIL 2022 FOR THE 3RD ST SIDEWALK EXTENSION IN THE AMOUNT OF \$5,474.50
- 5.7) **REVIEW AND APPROVAL:** PAYMENT TO HR GREEN FOR PROFESSIONAL SERVICES THROUGH NOVEMBER 18, 2002 FOR SYCAMORE ST RESURFACING & ADA RAMPS IN THE AMOUNT OF \$984.34
- 5.8) **REVIEW AND APPROVAL:** PAYMENT TO HR GREEN FOR PROFESSIONSL SERVICES THROUGH NOVEMBER 18, 2022 FOR THE SIDEWALK PROGRAM IN THE AMOUNT OF \$260.00
- 5.9) **REVIEW AND APPROVAL:** PAYMENT TO BOOMERANG CONSTRUCTION FOR SERVICES THROUGH NOVEMBER 27, 2022 FOR OLD DUBUQUE ROAD EXTENSION IN THE AMOUNT OF \$125,958.32
- 5.10) **REIVEW AND APPROVAL:** PAYMENT TO HR GREEN FOR SERVICES THROUGH NOVEMBER 25, 2022 FOR GIS SERVICES IN THE AMOUNT OF \$11,480.75
- 5.11) **REVIEW AND APPROVAL:** PAYMEBT TO ORIGIN DESIGNFOR DILLION MILITARY BRIDGE EVALUATION PROJECT IN THE AMOUNT OF \$870.00
- 5.12) **REVIEW AND APPROVAL:** PAYMENT TO MARTIN GARDNER ARCHITECTURE FOR THE POLICE STATION RENOVATION IN THE AMOUNT OF \$4,579.00
- 5.13) **REVIEW AND APPROVAL:** PAYMENT APP #1 TO DAVE’S COMPLETE CONSTRUCTION FOR POLICE STATION RENOVATIONS IN THE AMOUNT OF \$61,603.12
- 5.14) **REVIEW AND APPROVAL:** PAYMENT APP #4 TO EASTERN IOWAS EXCAVATING & CONCRETE LLC FOR BOOTH STREET WATER & STORM SEWER IMPROVEMENTS IN THE AMOUNT OF \$272,373.41

6.0) NEW BUSINESS

- 6.1) **DISUCSSION AND POSSIBLE ACTION:** TREES ON MAIN STREET
- 6.2) **RESOLUTION 2022-81:** ENGINEERING AGREEMENT WITH HR GREEN FOR HYPOCHLORITE IMPROVEMENTS AT THE WATER TREATMENT PLANT
- 6.3) **RESOLUTION 2022-82:** AGREEMENT TO PURCHASE ONE POLICE VEHICLE THE CURRENT FY 23 AND ORDER THE 2ND POLICE VEHICLE TO ARRIVE FOR FY24 WITH THE LEASE OF THE NECESSARY INSIDE AUGMENTATION TO COMPLY WITH THE JOB REQUIREMENTS
- 6.4) **RESULTUION 2022-83:** AGREEMENT TO PURCHASE UTILITY DEPARTMENT SLUDGE DUMP TRUCK

CITY OF ANAMOSA - CITY COUNCIL AGENDA – REGULAR SESSION

- 6.5) **RESOLUTION 2022-84:** AGREEMENT FOR FIRE DEPARTMENT TO PURCHASE A NEW FIRE TRUCK
- 6.6) **DISCUSSION AND POSSIBLE ACTION:** ACCEPTING OF VOLUNTEER FIREFIGHTER (POIRIER)
- 6.7) **DISCUSSION AND POSSIBLE ACTION:** PLANNING & ZONING APPOINTMENTS
- 6.8) **DISCUSSION AND POSSIBLE ACTION:** CITY COUNCIL MEETING LOCATION FOR 2023 AND CONTINUED USE OF ZOOM
- 6.9) **DISCUSSION AND POSSIBLE ACTION:** DESIGNATING THE JOURNAL-EUREKA THE OFFICIAL NEWS PAPER FOR ANAMOSA, IOWA FOR 2023
- 6.10) **REVIEW AND APPROVAL:** PAYMENT TO ACE CONTRACTING FOR REHAB PROGRAM UPGRADES AT 102 S SALES ST (FOWLER) IN THE AMOUNT OF \$10,926.90
- 6.11) **REVIEW AND APPROVAL:** RENEWAL OF LIQUOR LICENSE FOR AXE-CADE
- 6.12) **REVIEW AND APPROVAL:** THE BUDGET CALENDAR FOR THE FY24 BUDGET
- 6.13) **REVIEW AND APPROVAL OF CURRENT BILLS**
- 7.0) **CITY ADMINISTRATOR’S REPORT:**
- 8.0) **MAYOR AND COUNCIL REPORTS:**
 - 8.1) MAYOR’S REPORT
 - 8.2) COUNCIL REPORTS
- 9.0) **PUBLIC COMMENT FOR ITEMS NOT ON THE AGENDA**
- 10.0) **ADJOURNMENT**

STATEMENT OF COUNCIL PROCEEDINGS

November 28, 2022

The City Council of the City of Anamosa met in Regular Session November 28, 2022, at the Anamosa Library and Learning Center and via Zoom at 6:00 p.m. with Mayor Rod Smith presiding. The following Council Members were present: Rich Crump, Jeff Stout, Alan Zumbach, Brooke Gombert, Teresa Tuetken, and Kay Smith. Also present were Michon Jackson, City Administrator/Clerk, Brandon Schrader, Deputy Clerk. Iowa Code Chapter 21, as interpreted, permits public meetings to be held electronically.

Mayor Rod Smith called the meeting to order at 6:00 p.m. Roll call was taken with a quorum present.

Pledge of Allegiance.

Motion by Crump, seconded by Zumbach to approve the agenda. Ayes: all. Nays: none. Motion carried.

Motion by Stout, seconded by Zumbach to approve the minutes of the November 14, 2022, Regular City Council meeting. Ayes: all. Nays: none. Motion carried.

Motion by Crump, seconded by Crump approving payment app #3 to Eastern Iowa Excavating for Booth Street Water & Storm Sewer improvements in the amount of \$203,234.70. Roll Vote: Ayes: All. Nays: none. Motion carried.

Motion by Stout, seconded by Zumbach to approve Ordinance 2022-956: amending chapter 69.13 of the ordinances of the city of Anamosa, Iowa concerning downtown parking regulations (2nd reading) Roll Vote: Ayes: Zumbach, Stout, Gombert, Crump, Tuetken, Smith. Nays: none. Motion carried.

Motion by Zumbach, seconded by Gombert to approve Ordinance 2022-957: amending ordinance No, 953 concerning vacant residential & commercial properties within the City of Anamosa & establishing a vacant building permit & inspection process— motion to waive operation of Iowa Code 380.3 and place the ordinance on its final passage for adoption extending it to July 2023. Roll Vote: Ayes: Zumbach, Stout, Gombert, Crump, Tuetken, Smith. Nays: none. Motion carried.

Motion by Zumbach, seconded by Gombert approving Resolution 2022-69: setting a date of December 12, 2022, for a public hearing on proposal to enter into a general obligation police vehicle acquisition lease/purchase agreement with payments thereunder in a principal amount not to exceed \$400,000. Roll vote: Ayes: Zumbach, Stout, Gombert, Crump, Smith, Tuetken, Smith Nays: none. Motion carried.

Motion by Crump, seconded by Smith approving Resolution 2022-77: setting a date of December 12, 2022, for public hearing on proposal to enter into general obligation utility department used sludge dump truck acquisition purchase agreement with an amount not to exceed \$50,000. Roll Vote: Ayes: Zumbach, Stout, Gombert, Crump, Tuetken, Smith. Nays: none. Motion carried.

Motion by Crump, seconded by Zumbach approving Resolution 2022-80: setting a date of December 12, 2022, for public hearing on proposal to enter into general obligation for the Fire Department to purchase a new Fire Truck with the amount not to exceed \$436,325.61. Roll Vote: Ayes: Zumbach, Stout, Gombert, Crump, Tuetken, Smith. Nays: none. Motion carried.

Motion by Zumbach, seconded by Crump approving Resolution 2022-78 hiring and setting of salary for current open Community Service Officer for the Police Department. Roll Vote: Ayes: Zumbach, Stout, Gombert, Stout, Smith. Nays: none. Motion carried.

Motion by Crump, seconded by Zumbach approving Resolution 2022-79: 28E agreement for the mutual aid fire protection in & surrounding Jones County, Iowa removing Center Junction. Roll Vote: Ayes: Zumbach, Stout, Gombert, Crump, Tuetken, Smith. Nays: none. Motion carried.

Motion by Smith, seconded by Tuetken to approve Hayden Hills Event Center. Ayes: all. Nays: none. Motion carried.

Motion by Smith, seconded by Zumbach to approve professional services agreement to HR Green for Cedar St & Huber St reconstruction & utility improvements from Ford St to Main St. Ayes: all. Nays: none. Motion carried.

Motion by Zumbach, seconded by Crump to approve the Annual Urban Renewal Report for Fiscal Year ending June 30, 2022. Ayes: all. Nays: none. Motion carried.

Motion by Smith, seconded by Crump to approve the Annual Financial Report for Fiscal Year ending June 30, 2022. Ayes: all. Nays: none. Motion carried.

Motion by Zumbach, seconded by Stout to approve the liquor license for Tyler & Downing Eatery. Ayes: all. Nays: none. Motion carried.

Motion by Smith, seconded by Stout to approve the Servpro mold clean-up for the Lawrence Community Center. Ayes: all. Nays: none. Motion carried.

Motion by Crump, seconded by Zumbach approving current bills. Ayes: all. Nays: none. Motion carried.

Meeting adjourned at 6:58 PM.

Rod Smith, Mayor

ATTEST:

Brandon Schrader, Deputy City Clerk

STATEMENT OF COUNCIL PROCEEDINGS

December 7, 2022

The City Council of the City of Anamosa met in Special Session December 7, 2022, at the Anamosa Library and Learning Center. The following Council Members were present: Rich Crump, Jeff Stout, Kay Smith and Teresa Tuetken. Absent: Rod Smith, Alan Zumbach and Brooke Gombert. Also present were Michon Jackson, City Administrator/Clerk, Penny Lode, Deputy Treasurer, and Patrick O'Connell, City Attorney.

The meeting to order at 5:30 p.m. Roll call was taken with a quorum present.

Special Session was conducted with Council refresher training with City Attorney Patrick O'Connell.

Meeting adjourned at 6:25 pm.

Michon Jackson, City Administrator/Clerk

ATTEST:

Penny K. Lode, Deputy Treasurer

ORDINANCE NO. 2022-956

AN ORDINANCE AMENDING CHAPTER 69.13 OF THE ORDINANCES OF THE CITY OF ANAMOSA, IOWA CONCERNING DOWNTOWN PARKING REGULATIONS

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ANAMOSA, IOWA:

Section 1. Purpose. The purpose of this Ordinance is to amend Chapter 69.13 to prohibit parking near the intersections of N. High Street and W. Main Street and near the intersections of Jackson Street and W. Main Street.

Section 2. Amendment. Chapter 69.13 of the Code of Ordinances of the City of Anamosa, Iowa is amended to add the following new paragraph:

11. No parking on N. High Street within 50 feet of intersection of N. High Street and W. Main Street or on Jackson Street within 50 feet of the intersection of Jackson Street and West Main Street.

Section 3. Repealer. All other sections of this Ordinance in conflict with these provisions shall be repealed.

Section 4. Severability. If any section, provisions or part of this Ordinance shall be adjudged invalid or unconstitutional, such adjudication shall have no effect on the validity of the Ordinance as a whole or any section, provision or part thereof not adjudged invalid or unconstitutional.

Section 5. Effective Date. This Ordinance shall be in full force and effect from and after its adoption and publication as provided by law.

READING 1: 11/14/22

READING 2: 11/28/22

READING 3: 12/12/22

Rod Smith, Mayor

Attest: _____
Michon Jackson, Administrator/Clerk

ADOPTED:



HR GREEN, INC.
PROFESSIONAL SERVICES AGREEMENT AMENDMENT NO. 2

THIS AMENDMENT, made this 12th day of December, 2022 by and between, City of Anamosa the CLIENT, and HR GREEN, INC. (hereafter "COMPANY"), for professional services concerning:

Sanitary Sewer Replacement - Alley between Ford Street and N. Huber Street

hereby amends the original Professional Services Agreement dated March 29, 2022 as follows:

The CLIENT and COMPANY agree to amend the Scope of Services of the original Professional Services Agreement and previous amendments as follows:

PHASE 3: CONSTRUCTION PHASE SERVICES

The following Work Approach for Construction Phase Services described herein identifies the specific services to be provided by COMPANY.

Construction Administration

1. Provide on-going project management for the duration of the construction phase of the project. Based on recent similar projects, construction of this project is anticipated to take 6-8 months from award to final completion. This schedule may change based on the start date of construction.
2. Coordinate a preconstruction meeting after award of construction contract for CLIENT, Contractor, subcontractors, and utility companies. COMPANY's Resident Observer will prepare and distribute meeting minutes to all participants.
3. Review and respond to contractor requests for clarification and recommend action on Contractor initiated claims.
4. Issue necessary interpretations and clarifications of the contract documents, and in connection therewith, prepare change orders as required. Evaluate and determine the acceptability of substitute materials and equipment proposed by the Contractor. Any substitutions shall first be approved by CLIENT.
5. Review Contractor's construction schedule and monthly updates for general compliance with the intent of the Contract Documents.
6. Review shop drawings, samples, and other data which the Contractor is required to submit, for conformance with design concept of the Project and conformance with the information given in the contract documents. Such review shall not extend to means, methods, techniques, sequences, or procedures of construction or to safety precautions and programs incident thereto.
7. Participate in regular (monthly) progress meetings conducted by the COMPANY's Resident Observer and Contractor. A total of 6 progress meetings are included.
8. Consult with and advise CLIENT and act as CLIENT's representative. All of CLIENT's instructions to the Contractor will be issued through COMPANY, who will have the authority to act on behalf of CLIENT. COMPANY shall not act on CLIENT's behalf without securing actual authority from CLIENT's representative prior to taking such action.
9. Keep CLIENT informed of the progress and quality of the work and shall use reasonable care to inform CLIENT of defects and deficiencies in the Contractor's work and of the Contractor's failure to carry out the work in accordance with the intent of the construction documents and the construction schedule.
10. Consult with CLIENT regarding the status of the work and partial payments due to the Contractor. Such recommendations of payment will constitute a representation to CLIENT,

based on such observations and review, that the work has progressed to the point indicated, and that, to the best of COMPANY's knowledge, information and belief, quality of such work is generally in accordance with the contract documents. In the case of unit price work, COMPANY's recommendation of payment will include determinations of quantities and classifications of such work.

11. Prepare record drawings showing any changes made during construction, based on the marked-up drawings and other data furnished by the Contractor to COMPANY and which the COMPANY considers significant. Provide CLIENT with up to three paper copies and an electronic copy in .pdf format of the record drawings.

Resident Observation

COMPANY will provide one part-time Resident Observer as necessary throughout the construction period. Should the construction period extend beyond the specified time frame, the Resident Observer services shall be subject to negotiation.

1. During the period of construction, COMPANY shall make periodic visits to the site at intervals appropriate to the various stages of construction as COMPANY deems appropriate. The purpose of these visits shall be to observe the site and work, to familiarize COMPANY with the progress and quality of the work, and to determine for CLIENT's benefit and protection if the work is proceeding in accordance with the intent of the contract documents and construction schedule. Such visits and observation are not intended to be an exhaustive check or a detailed inspection of the Contractor's work.
2. Up to 72 hours (4 hours per trip for 18 weeks on average) are anticipated and budgeted for part-time resident observation by COMPANY.
3. COMPANY shall not supervise, direct, or have control over the Contractor's work, nor shall COMPANY have authority over or responsibility for the means, methods, techniques, sequences, or procedures of construction selected by the Contractor, for safety precautions and programs incident to the work or for any failure of the Contractor to comply with laws, rules, regulations, ordinances, codes, or orders applicable to the Contractor furnishing and performing his work.
4. COMPANY can neither guarantee the performance of the construction contract by the Contractor nor assume responsibility for the Contractor's failure to furnish and perform his work in accordance with the contract documents. COMPANY may disapprove of or reject the Contractor's work while it is in progress if COMPANY believes that such work will not produce a completed Project that conforms generally to the contract documents or that it will prejudice the integrity of the design concept of the Project as reflected in the contract documents. COMPANY will document Contractor deficiencies verbally and in writing to the Contractor.
5. COMPANY will prepare site visit logs, take photos, and prepare monthly status reports to document the progress of the work.
6. COMPANY will evaluate materials testing reports by third-party laboratories.
7. COMPANY will prepare punch lists, conduct a final inspection, review contract closeout documentation, and recommend final payment to close out the construction contract.

If the CLIENT desires more extensive project observation or full-time project representation, CLIENT shall request that such services be provided by COMPANY as additional services in accordance with the terms of this agreement.

COMPANY Project Number: 220479



The CLIENT and COMPANY agree to amend other provisions of the original Professional Services Agreement and previous amendments as follows:

Additional engineering services related to holding a second public meeting with homeowners in December 2022 (first public meeting was held with CLIENT and COMPANY in October 2022).

In consideration for these services, the CLIENT AGREES to adjust the payment for services performed by COMPANY on the following basis:

☒ Time and materials not to exceed Thirty-One Thousand Six Hundred Dollars (\$31,600.00)

THIS AMENDMENT is subject to all provisions of the original Professional Services Agreement.

THIS AMENDMENT, together with the original Professional Services Agreement and all previous amendments represents the entire and integrated AGREEMENT between the CLIENT and COMPANY.

THIS AMENDMENT executed the day and year written above.

CITY OF ANAMOSA

HR GREEN, INC.

By: Rod Smith, Mayor



By: Andrew Marsh, PE, Vice President

CERTIFICATION

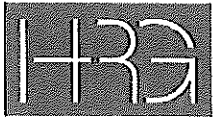
Jordan Well No. 6 – Bid Package 2: Well Equipment and Pipeline
Anamosa, Iowa

Change Order No. 3

ANAMOSA, IOWA
April 7, 2022

	I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.
	 Date: <u>4/7/22</u>
	JOSHUA A. SCANLON, P.E.
	License No. 22550
	My renewal date is December 31, 2023
	Pages or sheets covered by this seal:
	Entire Change Order No. 3

HR Green, Inc.
8710 Earhart Lane SW
Cedar Rapids, IA 52404
Phone: (319) 841-4000
Fax: (319) 841-4012



HRGreen

CHANGE ORDER

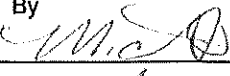
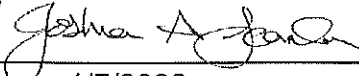
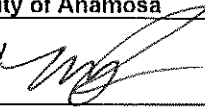
HR Green, Inc.
8710 Earhart Lane S.W.
Cedar Rapids, IA 52404
(319) 841-4000 FAX (319) 841-4012

Distribution:

Owner	X
Engineer	X
Contractor	X
Field	
Other	

PROJECT: Jordan Well No. 6 Bid Package 2: Well Equipment and Pipeline	Change Order No.	3
	Date	April 7, 2021
To Contractor: Boomerang Corp. 13225 Circle Drive, Suite A PO Box 227 Anamosa, IA 52205	Project No.	190261
	Original Contract Date	September 13, 2021
This Change Order includes relocating the utility transformer and shifting the tree plantings as shown on the attached Drawings to comply with updated and current Iowa DNR separation requirements. The change results in a deduct of \$2,157.91.		
The original Contract Sum was		\$1,271,000.00
Net change by previously authorized Change Orders		(\$65,638.51)
The Contract Sum prior to this Change Order was		\$1,205,331.49
The Contract Sum will be decreased by this Change Order in the amount of		(\$2,157.81)
The new Contract Sum including this Change order will be		\$1,203,173.58
The Contract Time will be increased by		0 days
The date of Substantial Completion as of the date of this Change Order therefore is		August 7, 2022
The date of Final Completion as of the date of this Change Order therefore is		October 9, 2022

NOT VALID UNTIL SIGNED BY THE CONTRACTOR, OWNER'S REPRESENTATIVE, if applicable, AND OWNER

Contractor Boomerang Corp.	Owner's Representative HR Green, Inc.	Owner City of Anamosa
By 	By 	By 
Date: 4-7-2022	Date: 4/7/2022	Date: 12-6-22



▷ 8710 Earhart Lane SW | Cedar Rapids, IA 52404
Main 319.841.4000 + Fax 319.841.4012

▷ HRGREEN.COM

April 8, 2022

Jeremiah Hoyt
City Administrator
City of Anamosa
107 S. Ford Street
Anamosa, IA 52205

Re: Anamosa, IA – Jordan Well 6, Bid Package 2- Change Order No. 3

Dear Jeremiah,

Attached is Change Order No. 3 for the above-referenced project. Due to recent regulatory changes with the Iowa DNR, the utility transformer was shifted closer to the wellhouse building while maintaining the required setback distance to the wellhead. This change provides a cost savings for the project, see attached Change Order from Boomerang Corp. We have reviewed the Change Order proposal and recommend proceeding with the change for the cost reduction as identified.

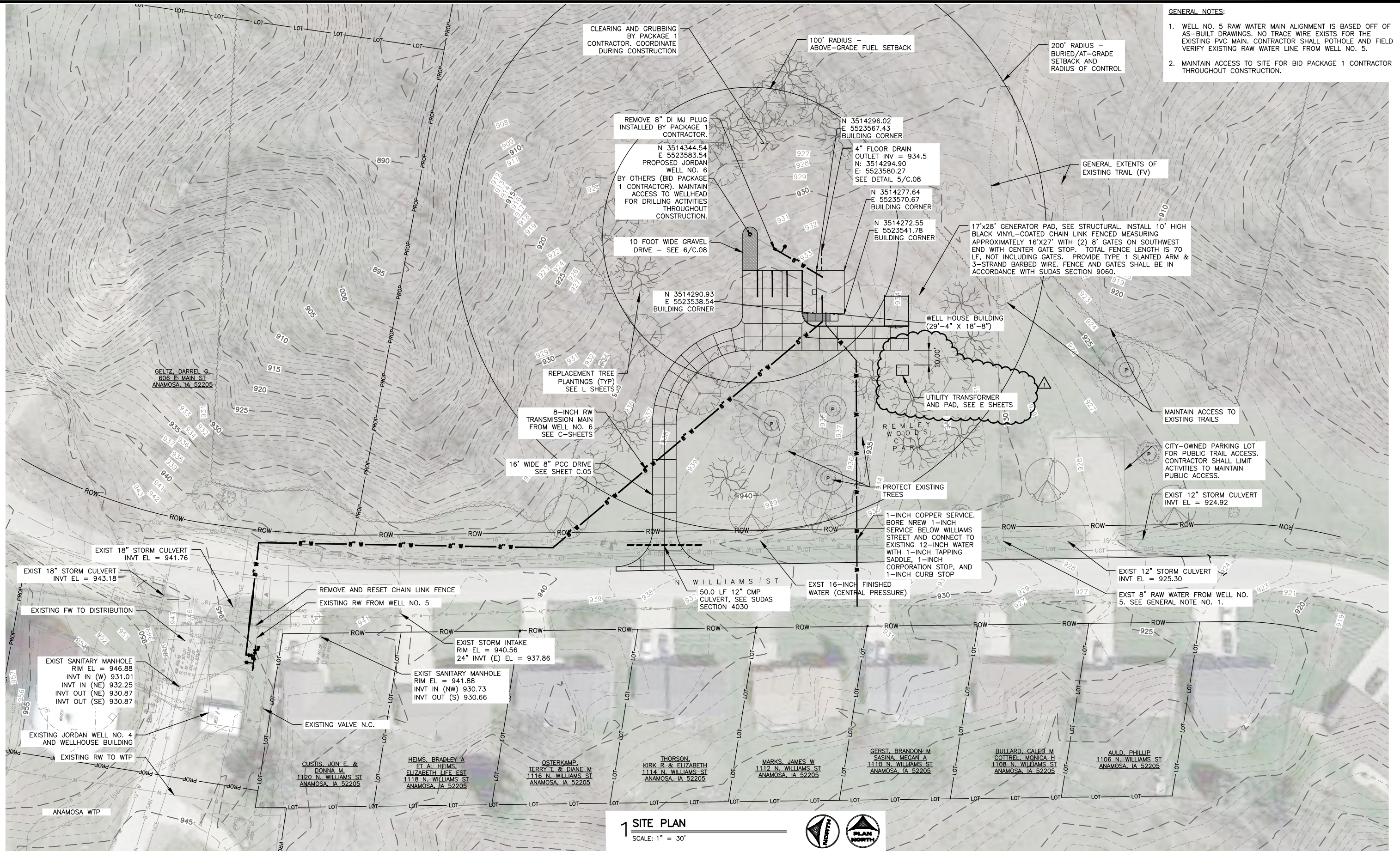
Sincerely,
HR GREEN, INC

A handwritten signature in blue ink that reads "Josh Scanlon".

Josh Scanlon, PE
Project Manager

J:\2019\190261\Construction\Change_Management\Change_Orders\BP2\CO-03\ltr-20220408-Jordan_Well_6-BP_2-Change_Order_3.docx

Xrefs: cxx-0-ASRNL; xgt-1-sh01; cxx-0-base; cxx-0-base-WTP; cxx-0-cont; cxx-0-dsgn; cxx-0-cont-gis; xc-1-align; xc-0-dsgn; xc-0-cont-gis; xc-1-dsgn; 190261_xl-dsgn rev. 190261_xl-dsgn



DRAWN BY: JLM JOB DATE: 2021
APPROVED: JAS JOB NUMBER: 190261
CAD DATE: 4/5/2022 7:58:11 AM
CAD FILE: J:\2019\190261\CAD\Draws\BP2\C.C.01 SITE PLAN.dwg

BAR IS ONE INCH ON
OFFICIAL DRAWINGS.
0" = 1"
IF NOT ONE INCH,
ADJUST SCALE ACCORDINGLY.

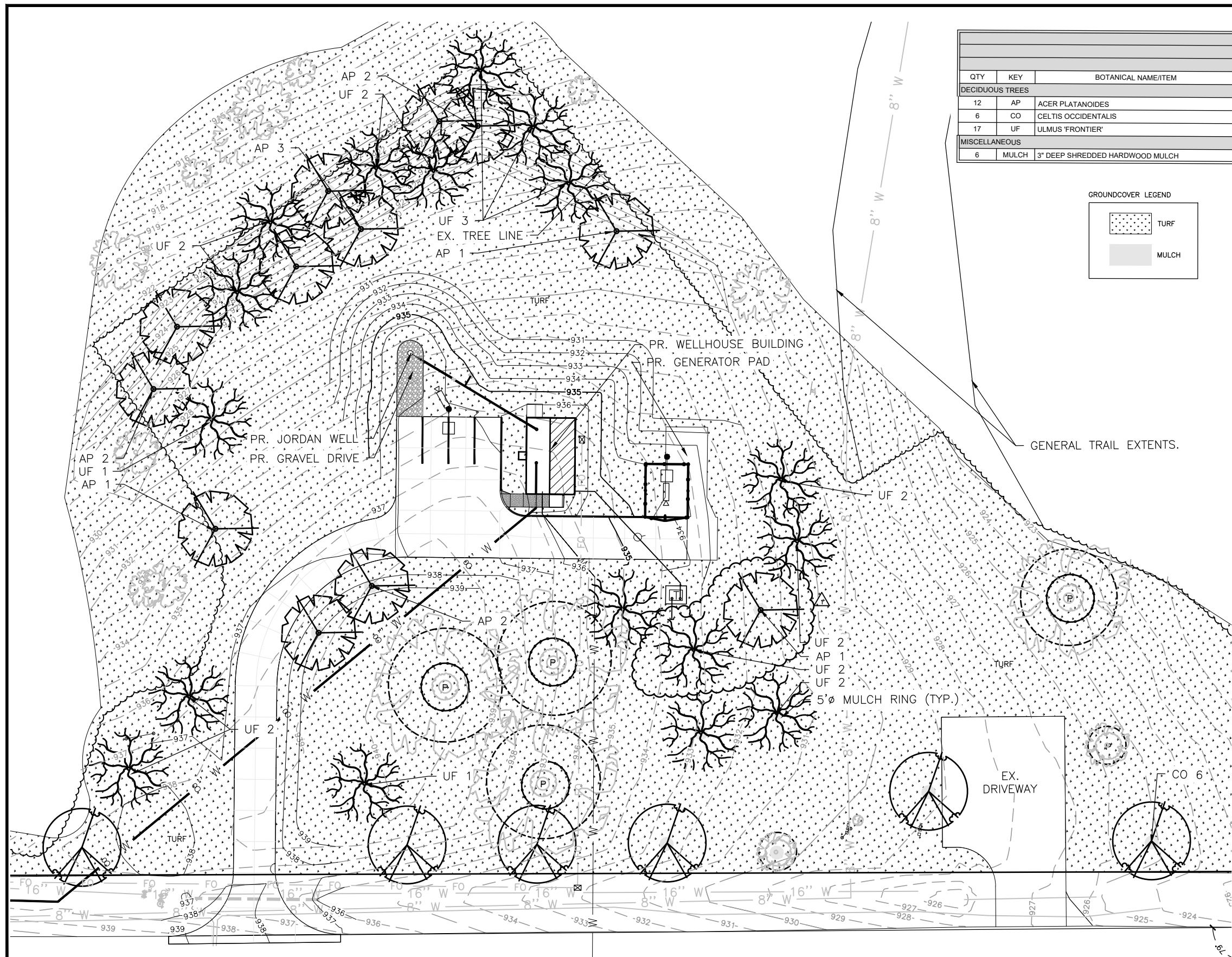
NO.	DATE	BY	REVISION DESCRIPTION
1	4/5/2022	JAS	CHANGE ORDER 3



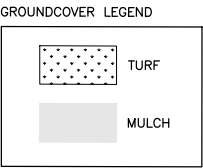
JORDAN WELL NO. 6
BID PACKAGE 2: WELL EQUIPMENT AND PIPELINE
ANAMOSA, IOWA

C - CIVIL
SITE PLAN

SHEET NO.
C.01



JORDAN WELL - ANAMOSA, IOWA						
April 2, 2021						
MATERIALS SCHEDULE						
QTY	KEY	BOTANICAL NAME/ITEM	COMMON NAME	SIZE	COND	REMARKS
DECIDUOUS TREES						
12	AP	ACER PLATANOIDES	NORWAY MAPLE	2.5" CAL.	B&B	CENTRAL LEADER; MATCHED
6	CO	CELTIS OCCIDENTALIS	COMMON HACKBERRY	2.5" CAL.	B&B	CENTRAL LEADER; MATCHED
17	UF	ULMUS 'FRONTIER'	FRONTIER ELM	2.5" CAL.	B&B	CENTRAL LEADER; MATCHED
MISCELLANEOUS						
6	MULCH	3" DEEP SHREDDED HARDWOOD MULCH		CY		



SITE CALCULATIONS		
TOTAL SITE AREA:	+/- 93,568 SF.	+/- 2.15 AC.
NUMBER OF REGULAR PARKING STALLS:	N/A	
NUMBER OF HANDICAP PARKING STALLS:	N/A	
TOTAL NUMBER OF STALLS:	N/A	
ORDINANCE LANDSCAPE REQUIREMENTS		
EIGHT (8) YARD TREES SHALL BE REQUIRED PER ACRE OF USABLE OPEN SPACE.		
CALCULATION: 2.15 X 8 TREES = 17 TREES		
MATERIAL	REQUIRED	PROVIDED
TREES	17	35 (COUNT EXCLUDES PRESERVED TREES)

- LANDSCAPING NOTES:
- ALL PLANTINGS SHALL BE PROVIDED IN ACCORDANCE WITH SUDAS SECTION 9030. PROVIDE WARRANTY WITH ALL PLANTINGS.
 - COORDINATE FINAL PLANTING LOCATIONS WITH OWNER/ENGINEER.

1 LANDSCAPE PLAN
SCALE: 1" = 20'-0"

N. WILLIAMS ST.

DRAWN BY: CAL
APPROVED: DLR
CAD DATE: 4/1/2021 2:44:45 PM
CAD FILE: J:\2019\190261\CAD\Drawings\L.L.03 LANDSCAPE NOTES.dwg

JOB DATE: 2021
JOB NUMBER: 190261

BAR IS ONE INCH ON OFFICIAL DRAWINGS.
0" 1"
IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.

NO.	DATE	BY	REVISION DESCRIPTION
1	4/5/2022	JAS	CHANGE ORDER 3

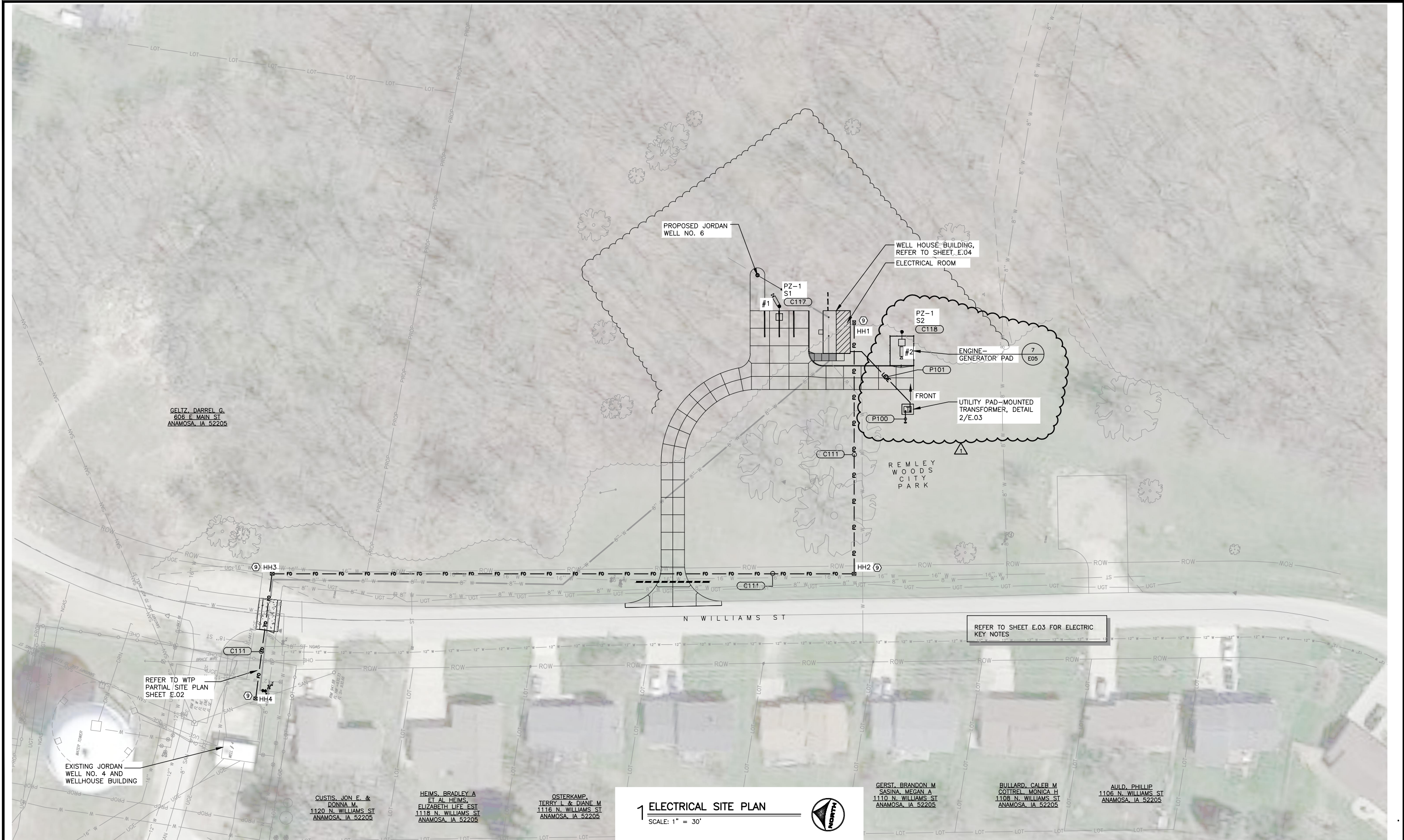


JORDAN WELL NO. 6
BID PACKAGE 2: WELL EQUIPMENT AND PIPELINE
ANAMOSA, IOWA

L - LANDSCAPING
LANDSCAPE PLAN

SHEET NO.
L.02

Xrefs: cxx-0-ASRUAL; xgt-1-gh01; cxx-0-base-WTP; cxx-0-base; cxx-0-base-WTP; cxx-0-limits; xc-1-align; xc-0-dsgn; cxx-0-cont-GIS; xc-0-dsgn



DRAWN BY: JLH	JOB DATE: 2021	BAR IS ONE INCH ON OFFICIAL DRAWINGS.
APPROVED: CJH	JOB NUMBER: 190261	0
CAD DATE: 4/7/2022 9:32:38 AM		IF NOT ONE INCH, ADJUST SCALE ACCORDINGLY.
CAD FILE: J:\2019\190261\CAD\Draws\BP2\E\E.01 ELECTRICAL SITE PLAN.dwg		

NO.	DATE	BY	REVISION DESCRIPTION
1	4/5/2022	JAS	CHANGE ORDER 3



JORDAN WELL NO. 6
BID PACKAGE 2: WELL EQUIPMENT AND PIPELINE
ANAMOSA, IOWA

E - ELECTRICAL
ELECTRICAL SITE PLAN

SHEET NO.
E.01

BOOMERANG

Request for Change

13225 Circle Drive Suite A
PO Box 227
Anamosa, IA 52205

RFC Number: 4
Date: 06/16/2022

Regarding:

Kraus had to remove and replace the trench drain so Jansen could erect the steel building safely.

To:**Job Site:**

Anamosa Fire Station Addition
107 S. Ford Street
Anamosa, IA 52205

Requested By:

Jeremy Dolder

Phone:

(319) 462-4435

E-mail:

jeremyd@boomerangcorp.com

Recipients:**Phone:****E-mail:****Requested Change:**

	U/M	Qty	Unit Price	Change to Contract
Kraus	EA	1.0	1,230.50	1,230.50
Boomerang	EA	1.0	123.05	123.05

RFC Total

\$1,353.55

Please respond by: 06/16/2022

Jeremy Dolder
Boomerang Corp.

APPLICATION AND CERTIFICATION FOR PAYMENT

TO OWNER: City of Anamosa

PROJECT: Anamosa Fire Station

APPLICATION NO: 13

PERIOD TO: 11/30/2022

PROJECT NOS:

CONTRACT DATE:

FROM CONTRACTOR:

Boomerang Corp
PO Box 227
Anamosa, Iowa 52205

VIA ENGINEER:

Shive-Hattery
Ron Hinds

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
Continuation Sheet is attached.

1. ORIGINAL CONTRACT SUM	.....	\$	760,800.00
2. Net change by Change Orders	.....	\$	48,727.74
3. CONTRACT SUM TO DATE (Line 1 + 2)	.....	\$	809,527.74
4. TOTAL COMPLETED & STORED TO DATE	.....	\$	800,732.74
5. RETAINAGE:			
a. 5% of Work Completed	.....	\$	40,036.64
(Columns D + E on Continuation Sheet)			
b. <u> 5 </u> % of Stored Material	.....	
(Column F on Continuation Sheet)			
Total Retainage (Line 5a + 5b )	.....	\$	40,036.64
(Total in Column I on Continuation Sheet)			
6. TOTAL EARNED LESS RETAINAGE	.....	\$	760,696.10
(Line 4 less Line 5 Total)			
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT.....		\$	638,174.85
(Line 6 from prior Certificate)			
8. CURRENT PAYMENT DUE	.....	\$	122,521.25
9. BALANCE TO FINISH, INCLUDING RETAINAGE.....		\$	48,831.64
(Line 3 less Line 6)			

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR:

By: Samuel Buckley Date: 12/01/22

ENGINEER'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising this application, the Engineer certifies to the Owner that to the best of the Engineer's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED..... \$

(Attached explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Sheet that are changed to conform to the amount certified)

ENGINEER:

By: _____ Date: _____

OWNER'S APPROVAL:

By: _____ Date: _____

CONTINUATION SHEET

CERTIFICATE FOR PAYMENT,
signed Certification, is attached.

units are stated to the nearest dollar.

variable retainage for line items may apply.

APPLICATION NO: 13
APPLICATION DATE:
PERIOD TO: 11/30/2022
ENGINEER'S PROJECT NO.:

A Item No.	B Description of Work	C Scheduled Value	D Work Completed		F Materials Presently Stored (not in D or E)	G		H Balance to Finish (C - G)	I Retainage (if Variable Rate)
			From Previous Application (D + E)	This Period		Total Completed & Stored to Date (D + E + F)	% (G/C)		
1	General Requirements								
	Bonds / Permits / Insurance	\$ 52,000.00	\$ 52,000.00	\$ -	\$ -	\$ 52,000.00	100%	\$ -	\$ 2,600.00
	Administrative Requirements	\$ 15,000.00	\$ 14,000.00	\$ 850.00	\$ -	\$ 14,850.00	99%	\$ 150.00	\$ 742.50
	Mobilize in	\$ 20,000.00	\$ 20,000.00	\$ -	\$ -	\$ 20,000.00	100%	\$ -	\$ 1,000.00
	Temporary Facilities and Controls	\$ 1,000.00	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	100%	\$ -	\$ 50.00
	Testing	\$ 1,000.00	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	100%	\$ -	\$ 50.00
2	Existing Conditions								
	Strip Topsoil	\$ 5,000.00	\$ 5,000.00	\$ -	\$ -	\$ 5,000.00	100%	\$ -	\$ 250.00
	Excavate for Footings	\$ 20,000.00	\$ 20,000.00	\$ -	\$ -	\$ 20,000.00	100%	\$ -	\$ 1,000.00
	Import Fill	\$ 10,000.00	\$ 10,000.00	\$ -	\$ -	\$ 10,000.00	100%	\$ -	\$ 500.00
	Erosion Control	\$ 3,500.00	\$ 3,500.00	\$ -	\$ -	\$ 3,500.00	100%	\$ -	\$ 175.00
3	Concrete								
	Cast-In-Place Concrete	\$ 232,758.00	\$ 232,758.00	\$ -	\$ -	\$ 232,758.00	100%	\$ -	\$ 11,637.90
	7" PCC Parking Lot	\$ 20,000.00	\$ 20,000.00	\$ -	\$ -	\$ 20,000.00	100%	\$ -	\$ 1,000.00
7	Thermal and Moisture Protection Included in Concrete and Special Construction								
8	Openings								
	Hollow Metal Doors and Frames	\$ 6,500.00	\$ 6,500.00	\$ -	\$ -	\$ 6,500.00	100%	\$ -	\$ 325.00
	Sectional Doors	\$ 21,992.00	\$ -	\$ 21,992.00	\$ -	\$ 21,992.00	100%	\$ -	\$ 1,099.60
	Aluminum Windows	\$ 2,100.00	\$ 2,100.00	\$ -	\$ -	\$ 2,100.00	100%	\$ -	\$ 105.00
	Door Hardware	\$ 1,000.00	\$ 1,000.00	\$ -	\$ -	\$ 1,000.00	100%	\$ -	\$ 50.00
9	Finishes								
	Painting and Coating	\$ 2,000.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 2,000.00	\$ -
13	Special Construction								
	Metal Building Systems submittals and engineering	\$ 50,000.00	\$ 50,000.00	\$ -	\$ -	\$ 50,000.00	100%	\$ -	\$ 2,500.00
	Metal Building Fabrication	\$ 104,000.00	\$ 104,000.00	\$ -	\$ -	\$ 104,000.00	100%	\$ -	\$ 5,200.00
	Building delivery and Labor	\$ 33,000.00	\$ 33,000.00	\$ -	\$ -	\$ 33,000.00	100%	\$ -	\$ 1,650.00
22	Plumbing								
	Materials	\$ 24,000.00	\$ 24,000.00	\$ -	\$ -	\$ 24,000.00	100%	\$ -	\$ 1,200.00
	Labor	\$ 8,450.00	\$ 7,605.00	\$ -	\$ -	\$ 7,605.00	90%	\$ 845.00	\$ 380.25
23	Heating, Ventilating, and Air-Conditioning (HVAC)								
	HVAC Equipment	\$ 40,000.00	\$ 16,000.00	\$ 24,000.00	\$ -	\$ 40,000.00	100%	\$ -	\$ 2,000.00
	Labor	\$ 22,000.00	\$ -	\$ 19,800.00	\$ -	\$ 19,800.00	90%	\$ 2,200.00	\$ 990.00

CERTIFICATE FOR PAYMENT,
signed Certification, is attached.

APPLICATION DATE:
PERIOD TO: 11/30/2022
ENGINEER'S PROJECT NO.:

units are stated to the nearest dollar.
variable retainage for line items may apply.

A Item No.	B Description of Work	C Scheduled Value	D Work Completed		F Materials Presently Stored (not in D or E)	G		H Balance to Finish (C - G)	I Retainage (If Variable Rate)
			From Previous Application (D + E)	This Period		Total Completed & Stored to Date (D + E + F)	% (G/C)		
23	Electrical								
	Labor	\$ 18,000.00	\$ 13,500.00	\$ 2,700.00	\$ -	\$ 16,200.00	90%	\$ 1,800.00	\$ 810.00
	Gear	\$ 10,000.00	\$ 8,000.00	\$ 2,000.00	\$ -	\$ 10,000.00	100%	\$ -	\$ 500.00
	Lighting materials	\$ 11,500.00	\$ 11,500.00	\$ -	\$ -	\$ 11,500.00	100%	\$ -	\$ 575.00
	Equipment	\$ 2,000.00	\$ 1,000.00	\$ 1,000.00	\$ -	\$ 2,000.00	100%	\$ -	\$ 100.00
	Pipe/ Wire	\$ 17,500.00	\$ 10,500.00	\$ 7,000.00	\$ -	\$ 17,500.00	100%	\$ -	\$ 875.00
	Underground	\$ 2,000.00	\$ 2,000.00	\$ -	\$ -	\$ 2,000.00	100%	\$ -	\$ 100.00
	Misc. Material	\$ 3,000.00	\$ 1,800.00	\$ 900.00	\$ -	\$ 2,700.00	90%	\$ 300.00	\$ 135.00
	Trim Out	\$ 1,500.00	\$ -	\$ -	\$ -	\$ -	0%	\$ 1,500.00	\$ -
	Change Orders								
CO2	Lift Station	\$ 24,451.00	\$ -	\$ 24,451.00	\$ -	\$ 24,451.00	100%	\$ -	\$ 1,222.55
CO3	ADS Field Tile	\$ 16,032.19	\$ -	\$ 16,032.19	\$ -	\$ 16,032.19	100%	\$ -	\$ 801.61
CO4	Backwater Valve	\$ 6,891.00	\$ -	\$ 6,891.00	\$ -	\$ 6,891.00	100%	\$ -	\$ 344.55
CO5	Trench Drain	\$ 1,353.55	\$ -	\$ 1,353.55	\$ -	\$ 1,353.55	100%	\$ -	\$ 67.68
		\$609,527.74	\$671,763.00	\$128,969.74	\$0.00	\$800,732.74		\$8,795.00	\$40,036.64



Please Remit To:
HR Green, Inc.
PO Box 8213
Des Moines, IA 50301-8213
1-800-728-7805

Jeremiah Hoyt
City of Anamosa, IA
107 S Ford Street
Anamosa, IA 52205-1841

April 28, 2022
Project No: 220390
Invoice No: 152149
Invoice Total: \$5,474.50

Project 220390 Anamosa, IA - 3rd St Sidewalk Extension
Anamosa 3rd St Sidewalk Extension
Schematic Design & Funding Assistance
Shaw Road to Deerwood Dr

Professional Services Through April 22, 2022

Phase A Project Management and Administration

Professional Personnel

	Hours	Amount	
Professional	4.00	520.00	
Admin Coordinator	.25	25.00	
Totals	4.25	545.00	
Total Labor			545.00

Unit Charges

Technology & Communication Charge	19.50	
Total Unit Charges	19.50	19.50

Total this Phase \$564.50

Phase C Concept Design - Preliminary Plan Preparation

Professional Personnel

	Hours	Amount	
Professional	14.50	1,885.00	
Junior Professional	26.00	2,782.00	
Totals	40.50	4,667.00	
Total Labor			4,667.00

Unit Charges

Technology & Communication Charge	243.00	
Total Unit Charges	243.00	243.00

Total this Phase \$4,910.00

Billing Limits

	Current	Prior	To-Date
Total Billings	5,474.50	0.00	5,474.50
Limit			19,900.00
Remaining			14,425.50

Total this Invoice \$5,474.50



Please Remit To:
HR Green, Inc.
PO Box 8213
Des Moines, IA 50301-8213
1-800-728-7805

Michon Jackson
City of Anamosa, IA
1124 N. Williams
Anamosa, IA 52205-1841

November 25, 2022
Project No: 201647
Invoice No: 158047
Invoice Total: \$984.34

Project 201647 Anamosa, IA - Sycamore St. Resurfacing & ADA Ramps
Includes Amendment No. 1, 2

Professional Services Through November 18, 2022

Phase B Construction Phase Services

Professional Personnel

	Hours	Amount	
Professional	6.00	840.00	
Senior Field Personnel	1.00	131.00	
Totals	7.00	971.00	
Total Labor			971.00

Unit Charges

Mileage 0.580	13.34	
Total Unit Charges	13.34	13.34

Total this Phase \$984.34

Billing Limits

	Current	Prior	To-Date
Total Billings	984.34	66,814.31	67,798.65
Limit			79,700.00
Remaining			11,901.35

Total this Invoice \$984.34



Please Remit To:
HR Green, Inc.
PO Box 8213
Des Moines, IA 50301-8213
1-800-728-7805

Michon Jackson
City of Anamosa, IA
107 S Ford Street
Anamosa, IA 52205-1841

November 25, 2022
Project No: 220501
Invoice No: 158048
Invoice Total: \$260.00

Project 220501 Anamosa, IA - Sidewalk Program

Anamosa - 2022 Sidewalk Program

Professional Services Through November 18, 2022

Phase 1 Program Management and Administration

Professional Personnel

	Hours	Amount	
Professional	2.00	260.00	
Totals	2.00	260.00	
Total Labor			260.00
Total this Phase			\$260.00

Billing Limits

	Current	Prior	To-Date
Total Billings	260.00	5,976.00	6,236.00
Limit			31,800.00
Remaining			25,564.00
Total this Invoice			\$260.00

APPLICATION FOR PARTIAL PAYMENT NO. 4

PROJECT: Old Dubuque Road Extension
OWNER: City of Anamosa
CONTRACTOR: Boomerang Construction
ADDRESS: 13225 Circle Drive, Suite A
Anamosa, IA 52205
DATE: November 28, 2022

S&A PROJECT NO.: 120.0620.08
DOT PROJECT NO.: STBG-SWAP-0165(606)--SG-53

START DATE:
PAYMENT PERIOD: October 31, 2022 - November 27, 2022

1. CONTRACT SUMMARY:

Original Contract Amount:	\$ 2,157,477.67
Net Change by Change Order:	\$ 54,699.89
Contract Amount to Date:	\$ 2,212,177.56

CONTRACT PERIOD:

Original Contract Date:	June 13, 2022
Notice to Proceed Issued:	September 6, 2022
Working Days Assigned:	120
Working Days Added by Change Order:	
Total Contract Working Days:	120
Total Working Days Used:	50.5
% Contract Complete:	42.1%

2. WORK SUMMARY:

Work Performed This Period:	\$ 129,864.25
Retainage: 3% (maximum of \$30,000)	\$ 3,895.93
Subtotal This Period	\$ 125,968.32
AMOUNT DUE THIS APPLICATION:	\$ 125,968.32

Total Work Performed to Date:	\$ 523,247.86
Retainage: 3%	\$ 15,697.44
Total Earned Less Retainage:	\$ 507,550.42

Payment Summary

Pay Application #1	\$ 14,647.00
Pay Application #2	\$ 214,126.62
Pay Application #3	\$ 152,808.48
Pay Application #4	
Pay Application #5	
Pay Application #6	
Total	\$ 381,582.10

3. CONTRACTOR'S CERTIFICATION:

The undersigned CONTRACTOR certifies that:

- (1) all previous progress payments received from OWNER on account of Work done under the Contract referred to above have been applied to discharge in full all obligations of CONTRACTOR incurred in connection with the Work covered by prior Applications for
- (2) title to all materials and equipment incorporated in said Work or otherwise listed in or covered by this application for Payment are free and clear of all liens, claims, security interests and encumbrances.

Boomerang Construction
CONTRACTOR

By Matt Beckman DATE: 11/30/2022

4. ENGINEER'S APPROVAL:

Payment of the above AMOUNT DUE THIS APPLICATION is recommended:

Snyder & Associates, Inc.
ENGINEER

By Cathy Jensen DATE: 11-30-22

5. OWNER'S APPROVAL

City of Anamosa
OWNER

By _____ DATE: _____

6. DETAILED ESTIMATE OF WORK COMPLETED:

BID ITEM NO.	BID ITEM CODE	DESCRIPTION	CONTRACT ITEMS				COMPLETED WORK TO DATE		COMPLETED WORK THIS PERIOD		PERCENT COMPLETE THIS PERIOD	PERCENT COMPLETE TO DATE
			QUANTITY	UNIT	UNIT COST	TOTAL COST	QUANTITY	COST	QUANTITY	COST		
10	2101-0850002	CLEARING AND GRUBBING	11.60	UNIT	\$ 36.00	\$ 417.60	0.00	\$ -		\$ -	0.00%	0.00%
20	2102-2625001	EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED	22,781.00	CY	\$ 3.00	\$ 68,343.00	16,629.00	\$ 49,887.00		\$ -	0.00%	73.00%
30	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	12,757.00	CY	\$ 3.00	\$ 38,271.00	11,476.00	\$ 34,428.00		\$ -	0.00%	89.96%
40	2102-4560000	LOCATING TILE LINES	21.40	STA	\$ 70.00	\$ 1,498.00	0.00	\$ -		\$ -	0.00%	0.00%
50	2105-8425015	TOPSOIL STRIP, SALVAGE, AND SPREAD	13,024.00	CY	\$ 6.00	\$ 78,144.00	3,242.00	\$ 19,452.00		\$ -	0.00%	24.89%
60	2107-0875100	COMPACTION WITH MOISTURE CONTROL	32,594.00	CY	\$ 1.00	\$ 32,594.00	23,155.00	\$ 23,155.00		\$ -	0.00%	71.04%
70	2115-0100000	MODIFIED SUBBASE	2,167.00	CY	\$ 34.00	\$ 73,678.00	0.00	\$ -		\$ -	0.00%	0.00%
80	2123-7450020	EARTH SHOULDER FINISHING	57.78	STA	\$ 300.00	\$ 17,334.00	0.00	\$ -		\$ -	0.00%	0.00%
90	2213-7100400	RELOCATION OF MAIL BOXES	3.00	EACH	\$ 300.00	\$ 900.00	0.00	\$ -		\$ -	0.00%	0.00%
100	2301-1033060	STD OR SLIP FORM PCC PAVEMENT, CLASS C CLASS 3, 6 INCH	502.40	SY	\$ 49.00	\$ 24,617.60	0.00	\$ -		\$ -	0.00%	0.00%
110	2301-1033080	STD OR SLIP FORM PCC PAVEMENT, CLASS C CLASS 3, 8 INCH	11,032.60	SY	\$ 55.00	\$ 606,793.00	0.00	\$ -		\$ -	0.00%	0.00%
120	2301-4875004	MEDIAN, PCC, 4 INCH, COLORED	302.50	SY	\$ 65.00	\$ 19,662.50	0.00	\$ -		\$ -	0.00%	0.00%
130	2301-6911722	PCC PAVEMENT SAMPLES	1.00	LS	\$ 1,000.00	\$ 1,000.00	0.00	\$ -		\$ -	0.00%	0.00%
140	2315-8275025	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	5.00	TON	\$ 89.00	\$ 445.00	0.00	\$ -		\$ -	0.00%	0.00%
150	2416-0100015	APRONS, CONCRETE, 15 INCH DIA.	2.00	EACH	\$ 3,000.00	\$ 6,000.00	1.00	\$ 3,000.00	1.00	\$ 3,000.00	50.00%	50.00%
160	2416-0100018	APRONS, CONCRETE, 18 INCH DIA.	6.00	EACH	\$ 3,200.00	\$ 19,200.00	2.00	\$ 6,400.00	2.00	\$ 6,400.00	33.33%	33.33%
170	2416-0100024	APRONS, CONCRETE, 24 INCH DIA.	4.00	EACH	\$ 1,000.00	\$ 4,000.00	0.00	\$ -		\$ -	0.00%	0.00%
180	2416-0100030	APRONS, CONCRETE, 30 INCH DIA.	1.00	EACH	\$ 4,000.00	\$ 4,000.00	0.00	\$ -		\$ -	0.00%	0.00%
190	2416-0102224	APRONS, LOW CLEARANCE CONCRETE, EQUIVALENT DIA. 24 INCH	1.00	EACH	\$ 3,800.00	\$ 3,800.00	0.00	\$ -		\$ -	0.00%	0.00%
200	2416-1160018	CULVERT, CONCRETE ENTRANCE PIPE, 18 INCH DIA.	44.00	LF	\$ 76.00	\$ 3,344.00	0.00	\$ -		\$ -	0.00%	0.00%
210	2416-1160024	CULVERT, CONCRETE ENTRANCE PIPE, 24 INCH DIA.	36.00	LF	\$ 93.00	\$ 3,348.00	0.00	\$ -		\$ -	0.00%	0.00%
220	2435-0130148	MANHOLE, SANITARY SEWER, 48 INCH DIA	4.00	EACH	\$ 4,500.00	\$ 18,000.00	2.00	\$ 9,000.00	2.00	\$ 9,000.00	50.00%	50.00%
230	2435-0140148	MANHOLE, STORM SEWER, SW-401, 48 INCH DIA.	3.00	EACH	\$ 5,000.00	\$ 15,000.00	2.00	\$ 10,000.00	2.00	\$ 10,000.00	66.67%	66.67%
240	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60 INCH DIA.	2.00	EACH	\$ 8,500.00	\$ 17,000.00	0.00	\$ -		\$ -	0.00%	0.00%
250	2435-0140172	MANHOLE, STORM SEWER, SW-401, 72 INCH DIA.	1.00	EACH	\$ 9,600.00	\$ 9,600.00	0.00	\$ -		\$ -	0.00%	0.00%
260	2435-0250700	INTAKE, SW-507	13.00	EACH	\$ 5,000.00	\$ 65,000.00	2.00	\$ 10,000.00	2.00	\$ 10,000.00	15.38%	15.38%
270	2435-0250900	INTAKE, SW-509	7.00	EACH	\$ 6,000.00	\$ 42,000.00	2.00	\$ 12,000.00	2.00	\$ 12,000.00	28.57%	28.57%
280	2435-0251224	INTAKE, SW-512, 24 INCH	1.00	EACH	\$ 2,000.00	\$ 2,000.00	1.00	\$ 2,000.00	1.00	\$ 2,000.00	100.00%	100.00%
290	2502-8212036	SUBDRAIN, LONGITUDINAL, SHOULDER 6 INCH DIA.	5,463.20	LF	\$ 15.00	\$ 81,948.00	0.00	\$ -		\$ -	0.00%	0.00%
300	2502-8213108	SUBDRAIN, PVC, STANDARD, NON-PERFORATED, 8"	43.00	LF	\$ 31.00	\$ 1,333.00	0.00	\$ -		\$ -	0.00%	0.00%
310	2502-8221303	SUBDRAIN OUTLET, DR-303	47.00	EACH	\$ 275.00	\$ 12,925.00	0.00	\$ -		\$ -	0.00%	0.00%
320	2502-8221306	SUBDRAIN OUTLET, DR-306	5.00	EACH	\$ 735.00	\$ 3,675.00	0.00	\$ -		\$ -	0.00%	0.00%
330	2503-0114215	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 15 INCH DIA	1,967.00	LF	\$ 84.00	\$ 165,228.00	550.00	\$ 46,200.00	550.00	\$ 46,200.00	27.96%	27.96%
340	2503-0114218	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 18 INCH DIA	427.00	LF	\$ 110.00	\$ 46,970.00	93.00	\$ 10,230.00	93.00	\$ 10,230.00	21.78%	21.78%
350	2503-0114224	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 24 INCH DIA	124.00	LF	\$ 40.00	\$ 4,960.00	0.00	\$ -		\$ -	0.00%	0.00%
360	2503-0114230	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 30 INCH DIA	30.00	LF	\$ 155.00	\$ 4,650.00	0.00	\$ -		\$ -	0.00%	0.00%
370	2503-0116324	STORM SEWER GRAVITY MAIN, TRENCHED, 2000D LOW CLEARANCE CONC. PIPE, EQUIVALENT DIA. 24 INCH	51.00	LF	\$ 150.00	\$ 7,650.00	0.00	\$ -		\$ -	0.00%	0.00%
380	2503-0200036	REMOVAL OF STORM SEWER PIPE LESS THAN OR EQUAL TO 36 INCH DIA.	85.00	LF	\$ 19.00	\$ 1,615.00	0.00	\$ -		\$ -	0.00%	0.00%
390	2504-0114008	SANITARY SEWER GRAVITY MAIN, TRENCHED, PVC, 8 INCH DIA.	945.00	LF	\$ 35.00	\$ 33,075.00	175.00	\$ 6,125.00	175.00	\$ 6,125.00	18.52%	18.52%
400	2507-3250005	ENGINEERING FABRIC	109.30	SY	\$ 3.00	\$ 327.90	0.00	\$ -		\$ -	0.00%	0.00%
410	2507-6800061	REVETMENT, CLASS E	55.30	TON	\$ 53.00	\$ 2,930.90	0.00	\$ -		\$ -	0.00%	0.00%
420	2510-6745850	REMOVAL OF PAVEMENT	1,874.40	SY	\$ 7.00	\$ 13,120.80	0.00	\$ -		\$ -	0.00%	0.00%
430	2511-0302400	RECREATIONAL TRAIL, PCC, 4 INCH	162.90	SY	\$ 43.00	\$ 7,004.70	0.00	\$ -		\$ -	0.00%	0.00%
440	2511-0302600	RECREATIONAL TRAIL, PCC, 6 INCH	1,723.20	SY	\$ 45.00	\$ 77,544.00	0.00	\$ -		\$ -	0.00%	0.00%
450	2511-0310100	SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL	14.10	STA	\$ 280.00	\$ 3,948.00	0.00	\$ -		\$ -	0.00%	0.00%
460	2511-6745900	REMOVAL OF SIDEWALK	56.30	SY	\$ 21.00	\$ 1,182.30	0.00	\$ -		\$ -	0.00%	0.00%
470	2511-7528101	DETECTABLE WARNINGS	360.00	SF	\$ 54.00	\$ 19,440.00	0.00	\$ -		\$ -	0.00%	0.00%
480	2512-1725356	CURB AND GUTTER, PCC, 3.5 FEET	65.30	LF	\$ 43.00	\$ 2,807.90	0.00	\$ -		\$ -	0.00%	0.00%
490	2515-2475006	DRIVEWAY, PCC, 6 INCH	209.10	SY	\$ 54.00	\$ 11,291.40	0.00	\$ -		\$ -	0.00%	0.00%
500	2515-6745600	REMOVAL OF PAVED DRIVEWAY	200.50	SY	\$ 13.00	\$ 2,606.50	0.00	\$ -		\$ -	0.00%	0.00%
510	2519-4200190	REMOVAL OF FENCE	18.00	LF	\$ 17.00	\$ 306.00	0.00	\$ -		\$ -	0.00%	0.00%
520	2524-6765110	REMOVAL OF TYPE A SIGN	4.00	EACH	\$ 110.00	\$ 440.00	0.00	\$ -		\$ -	0.00%	0.00%
530	2524-9276010	PERFORATED SQUARE STEEL TUBE POST	263.00	LF	\$ 13.00	\$ 3,419.00	0.00	\$ -		\$ -	0.00%	0.00%
540	2524-9276021	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION	22.00	EACH	\$ 215.00	\$ 4,730.00	0.00	\$ -		\$ -	0.00%	0.00%
550	2524-9276024	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY CONCRETE INSTALLATION	4.00	EACH	\$ 380.00	\$ 1,520.00	0.00	\$ -		\$ -	0.00%	0.00%
560	2524-9325001	TYPE A SIGN, SHEET ALUMINUM	178.80	SF	\$ 27.00	\$ 4,827.60	0.00	\$ -		\$ -	0.00%	0.00%
565	2526-8285000	CONSTRUCTION SURVEY	1.00	LS	\$ 20,000.00	\$ 20,000.00	0.10	\$ 2,000.00		\$ -	0.00%	10.00%
570	2527-9263109	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	84.77	STA	\$ 76.00	\$ 6,442.52	0.00	\$ -		\$ -	0.00%	0.00%
580	2527-9263180	PAVEMENT MARKINGS REMOVED	1.31	STA	\$ 215.00	\$ 281.65	0.00	\$ -		\$ -	0.00%	0.00%
590	2528-2518000	SAFETY CLOSURES	4.00	EACH	\$ 160.00	\$ 640.00	0.00	\$ -		\$ -	0.00%	0.00%
600	2528-2518181	PERMANENT ROAD CLOSURE, RURAL, SI-181	24.00	LF	\$ 130.00	\$ 3,120.00	0.00	\$ -		\$ -	0.00%	0.00%
610	2528-8400048	TEMPORARY BARRIER RAIL, CONCRETE	112.50	LF	\$ 76.00	\$ 8,550.00	0.00	\$ -		\$ -	0.00%	0.00%
620	2528-8445110	TRAFFIC CONTROL	1.00	LS	\$ 6,000.00	\$ 6,000.00	0.30	\$ 1,800.00		\$ -	0.00%	30.00%
630	2533-4980005	MOBILIZATION	1.00	LS	\$ 151,000.00	\$ 151,000.00	0.50	\$ 75,500.00		\$ -	0.00%	50.00%
640	2554-0114008	WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 8 IN.	985.00	LF	\$ 47.00	\$ 46,295.00	457.00	\$ 21,479.00	457.00	\$ 21,479.00	46.40%	46.40%
650	2554-0114012	WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 12 IN.	50.00	LF	\$ 83.00	\$ 4,150.00	0.00	\$ -		\$ -	0.00%	0.00%
660	2554-0134008	WATER MAIN WITH CASING PIPE, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 8 IN.	115.00	LF	\$ 140.00	\$ 16,100.00	0.00	\$ -		\$ -	0.00%	0.00%
670	2554-0202200	FITTINGS BY COUNT, DUCTILE IRON, 12" 45 DEG BEND	4.00	EACH	\$ 1,300.00	\$ 5,200.00	0.00	\$ -		\$ -	0.00%	0.00%
680	2554-0202200	FITTINGS BY COUNT, DUCTILE IRON, 12" X 8" TEE	1.00	EACH	\$ 1,300.00	\$ 1,300.00	1.00	\$ 1,300.00	1.00	\$ 1,300.00	100.00%	100.00%
690	2554-0202200	FITTINGS BY COUNT, DUCTILE IRON, 8" 45 DEG BEND	4.00	EACH	\$ 700.00	\$ 2,800.00	3.00	\$ 2,100.00	3.00	\$ 2,100.00	75.00%	75.00%

BID ITEM NO.	BID ITEM CODE	DESCRIPTION	CONTRACT ITEMS				COMPLETED WORK TO DATE		COMPLETED WORK THIS PERIOD		PERCENT COMPLETE THIS PERIOD	PERCENT COMPLETE TO DATE
			QUANTITY	UNIT	UNIT COST	TOTAL COST	QUANTITY	COST	QUANTITY	COST		
700	2554-0202200	FITTINGS BY COUNT, DUCTILE IRON, 8" 90 DEG BEND	3.00	EACH	\$ 700.00	\$ 2,100.00	1.00	\$ 700.00	1.00	\$ 700.00	33.33%	33.33%
710	2554-0202200	FITTINGS BY COUNT, DUCTILE IRON, 8" CAP	1.00	EACH	\$ 700.00	\$ 700.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
720	2554-0207008	VALVE, GATE, DIP, 8 IN.	4.00	EACH	\$ 2,500.00	\$ 10,000.00	2.00	\$ 5,000.00	2.00	\$ 5,000.00	50.00%	50.00%
730	2554-0207012	VALVE, GATE, DIP, 12 IN.	2.00	EACH	\$ 4,500.00	\$ 9,000.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
740	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201	5.00	EACH	\$ 7,500.00	\$ 37,500.00	2.00	\$ 15,000.00	2.00	\$ 15,000.00	40.00%	40.00%
750	2554-0214000	FIRE HYDRANT ADJUSTMENT	1.00	EACH	\$ 2,500.00	\$ 2,500.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
760	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS	1.00	LS	\$ 2,500.00	\$ 2,500.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
770	2599-9999005	SUBDRAIN CLEANOUT	12.00	EACH	\$ 1,000.00	\$ 12,000.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
780	2601-2634105	MULCHING, BONDED FIBER MATRIX	9.30	ACRE	\$ 4,000.00	\$ 37,200.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
790	2601-2636015	NATIVE GRASS SEEDING	3.30	ACRE	\$ 2,000.00	\$ 6,600.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
800	2601-2636044	SEEDING AND FERTILIZING (URBAN)	1.30	ACRE	\$ 1,900.00	\$ 2,470.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
810	2601-2640350	SPECIAL DITCH CONTROL, WOOD EXCELSIOR MAT	50.72	SQ	\$ 16.00	\$ 811.52	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
820	2601-2642100	STABILIZING CROP - SEEDING AND FERTILIZING	4.60	ACRE	\$ 540.00	\$ 2,484.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
830	2601-2643110	WATERING FOR SOD, SPECIAL DITCH CONTROL, OR SLOPE PROTECTION	4.48	MGAL	\$ 60.00	\$ 268.80	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
840	2601-2643300	MOBILIZATION FOR WATERING	3.00	EACH	\$ 350.00	\$ 1,050.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
850	2602-0000020	SILT FENCE	4,007.00	LF	\$ 1.50	\$ 6,010.50	4,537.00	\$ 6,805.50	\$ -	\$ -	0.00%	113.23%
860	2602-0000030	SILT FENCE FOR DITCH CHECKS	1,116.00	LF	\$ 1.50	\$ 1,674.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
870	2602-0000050	SILT BASIN	16.00	EACH	\$ 200.00	\$ 3,200.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
880	2602-0000071	REMOVAL OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	2,562.00	LF	\$ 10.00	\$ 25,620.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
890	2602-0000080	REMOVAL OF SILT BASINS	9.00	EACH	\$ 100.00	\$ 900.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
900	2602-0000101	MAINTENANCE OF SILT FENCE OR SILT FENCE FOR DITCH CHECKS	512.00	LF	\$ 0.01	\$ 5.12	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
910	2602-0000150	STABILIZED CONSTRUCTION ENTRANCE, EC-303	120.00	LF	\$ 16.00	\$ 1,920.00	100.00	\$ 1,600.00	\$ -	\$ -	0.00%	83.33%
920	2602-0000309	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 INCH	5,286.00	LF	\$ 3.00	\$ 15,858.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
930	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH SEDIMENT CONTROL DEVICE	5,286.00	LF	\$ 0.01	\$ 52.86	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
940	2602-0000370	DITCH CHECK SEDIMENT CONTROL DEVICE, 20 INCH	192.00	LF	\$ 4.50	\$ 864.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
950	2602-0000500	OPEN THROAT CURB INTAKE SEDIMENT FILTER, EC-602	108.00	LF	\$ 13.00	\$ 1,404.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
960	2602-0000510	MAINTENANCE OF OPEN THROAT CURB INTAKE SEDIMENT FILTER	20.00	EACH	\$ 11.00	\$ 220.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
970	2602-0000520	REMOVAL OF OPEN THROAT CURB INTAKE SEDIMENT FILTER	20.00	EACH	\$ 11.00	\$ 220.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
980	2602-0010010	MOBILIZATIONS, EROSION CONTROL	2.00	EACH	\$ 500.00	\$ 1,000.00	1.00	\$ 500.00	\$ -	\$ -	0.00%	50.00%
990	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	2.00	EACH	\$ 1,000.00	\$ 2,000.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
8999		STOCKPILED MATERIALS						\$ 146,386.36	\$ (31,869.75)			

TOTAL ORIGINAL CONTRACT:

\$ 2,157,477.67 \$ 522,047.86 \$ 128,664.25 5.96% 24.20%

CHANGE ORDER SUMMARY

CHANGE ORDER 01

160	2416-0100018	APRONS, CONCRETE, 18 INCH DIA.	-2.00	EACH	\$ 3,200.00	\$ (6,400.00)	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
200	2416-1160018	CULVERT, CONCRETE ENTRANCE PIPE, 18 INCH DIA.	-44.00	LF	\$ 76.00	\$ (3,344.00)	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
240	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60 INCH DIA.	-1.00	EACH	\$ 8,500.00	\$ (8,500.00)	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
330	2503-0114215	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 15 INCH DIA	-20.00	LF	\$ 84.00	\$ (1,680.00)	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
340	2503-0114218	STORM SEWER GRAVITY MAIN, TRENCHED, RCP 2000D, 18 INCH DIA	103.00	LF	\$ 110.00	\$ 11,330.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
910	2602-0000150	STABILIZED CONSTRUCTION ENTRANCE, EC-303	480.00	LF	\$ 16.00	\$ 7,680.00	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
8001	2435-0251100	INTAKE, SW-511	1.00	EACH	\$ 4,628.83	\$ 4,628.83	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
TOTAL CHANGE ORDER #1					\$ 3,714.83	\$	\$ -	\$ -				

CHANGE ORDER 02

8002	2599-9999010	LIGHTING	1.00	LS	\$ 53,685.06	\$ 53,685.06	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
8003	2599-9999010	PRICE ADJUSTMENT, STORM SEWER	1.00	LS	\$ (7,500.00)	\$ (7,500.00)	0.00	\$ -	\$ -	\$ -	0.00%	0.00%
8004	2601-2643100	MULCHING	4.00	ACRE	\$ 1,200.00	\$ 4,800.00	1.00	\$ 1,200.00	1.00	\$ 1,200.00	25.00%	25.00%
					\$ 50,985.06	\$	\$ 1,200.00	\$ 1,200.00				

TOTAL CONTRACT & CHANGE ORDER \$ 2,212,177.56 \$ 523,247.86 \$ 129,864.25 5.87% 23.65%



Please Remit To:
HR Green, Inc.
PO Box 8213
Des Moines, IA 50301-8213
1-800-728-7805

Michon Jackson
 City of Anamosa, IA
 1124 N. Williams
 Anamosa, IA 52205-1841

December 01, 2022
 Project No: 191791
 Invoice No: 158074
Invoice Total: \$11,480.75

Project 191791 Anamosa, IA - GIS Services
 Email invoices to: michon.jackson@anamosa-ia.org

Water = robert.young@anamosa-ia.org
 Wastewater Department= steve.agnitsch@anamosa-ia.org
 Streets Department= shane.brown@anamosa-ia.org

Professional Services Through November 25, 2022

Phase 2022 GIS Services Annual Renewal
 Task 05 Planning and Zoning Supplemental Service

Planning and Zoning

Professional Personnel

	Hours	Amount
Admin Coordinator	2.00	170.00
Totals	2.00	170.00
Total Labor		170.00

Billing Limits	Current	Prior	To-Date
Total Billings	170.00	476.00	646.00
Limit			2,000.00
Remaining			1,354.00
Total this Task			\$170.00

Task 06 Cemetery Project

Professional Personnel

	Hours	Amount
Field Personnel	8.25	1,171.50
Admin Coordinator	.25	21.25
Totals	8.50	1,192.75
Total Labor		1,192.75

Unit Charges

Technology & Communication Charge	1.50
Total Unit Charges	1.50

Billing Limits	Current	Prior	To-Date
Total Billings	1,194.25	6,237.51	7,431.76
Limit			10,000.00
Remaining			2,568.24

Project	191791	Anamosa, IA - GIS Services	Invoice	158074
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Total this Task \$1,194.25

Task 09 Cemetary Project Phase 3

Professional Personnel

	Hours	Amount	
Senior Technician	1.25	175.00	
Field Personnel	86.75	9,673.75	
Administrative	3.50	245.00	
Admin Coordinator	.25	21.25	
Totals	91.75	10,115.00	
Total Labor			10,115.00

Unit Charges

Technology & Communication Charge	1.50	
Total Unit Charges	1.50	1.50

Billing Limits

	Current	Prior	To-Date
Total Billings	10,116.50	0.00	10,116.50
Limit			59,000.00
Remaining			48,883.50

Total this Task \$10,116.50

Total this Phase \$11,480.75

Total this Invoice \$11,480.75



137 Main Street, Suite 100
Dubuque, IA 52001
origindesign.com

City of Anamosa
Michon Jackson
107 South Ford St.
Anamosa, IA 52205

Invoice number 78242
Date 11/30/2022

Project: 21224 Dillion Military Bridge Evaluation, Anamosa, IA

Invoice represents a progress billing related to our efforts on the Dillion Military Bridge Project through November 12, 2022.

A. Bridge Inspection and Documentation Services

Work includes ongoing evaluations, meetings with City staff, and agency coordination.

	Hours	Rate	Billed Amount
Professional Engineer III	5.00	174.00	870.00
Invoice total			870.00



City of Anamosa
107 South Ford Street
Anamosa, IA 52205

December 05, 2022
Project No: 1191102
Invoice No: 2200118

Project 1191102 Anamosa Police Station Renovation

Professional Services from November 1, 2022 to November 30, 2022

Task 600 Construction Administration

Fee

Total Fee 9,037.50

Billing Phase	Percent of Fee	Fee	Percent Complete	Earned
Construction Administration	100.00	9,037.50	50.00	4,518.75

Total Earned **4,518.75**
Previous Fee Billing 903.75
Current Fee Billing 3,615.00

Total Fee 3,615.00

Reimbursable Expenses

Travel, Meals & Lodging

11/1/2022	Stark, Brian	pre-construction meeting	92.50
11/21/2022	Martin, Kyle	Anamosa Site Visit	25.00

Reproductions/Photocopy

11/7/2022	Rapids Reproductions Inc	Anamosa Police Set to DCCI	49.35
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Total Reimbursables 1.1 times 166.85 183.54

Total this Task \$3,798.54

Task 998 Additional Services - Change Orders

Fee

Billing Phase	Fee	Percent Complete	Earned
Change Order #1	781.00	100.00	781.00
Total Fee	781.00		781.00

Previous Fee Billing 0.00
Current Fee Billing 781.00

Total Fee 781.00

Total this Task \$781.00

Total this Invoice \$4,579.54

APPLICATION AND CERTIFICATION FOR PAYMENT

TO OWNER City of Anamosa
107 S. Ford St.
Anamosa, IA 52205

PROJECT: Renovation to Anamosa
Police Station

AIA DOCUMENT G702

APPLICATION NO 1

PAGE ONE OF

PAGES

Distribution to:
OWNER
ARCHITECT
CONTRACTOR

FROM CONTRACTOR:
Dave's Complete Construction
PO Box 213
Delhi, IA 52223

VIA ARCHITECT: Martin Gardner Architecture, P.C.
700 11th Street, Suite 200
Marion, IA 52302

PERIOD TO: 12/1/2022

PROJECT NOS: 191102

CONTRACT FOR:

CONTRACT DATE 3/22/2022

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
Continuation Sheet, AIA Document G703, is attached.

1. ORIGINAL CONTRACT SUM	\$	874,537.00
2. Net change by Change Orders	\$	0.00
3. CONTRACT SUM TO DATE (Line 1 + 2)	\$	874,537.00
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$	64,845.39
5. RETAINAGE:		
a. 5 % of Completed Work (Column D + E on G703)	\$	\$3,242.27
b. % of Stored Material (Column F on G703)	\$	
Total Retainage (Lines 5a + 5b or Total in Column I of G703)	\$	3,242.27
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)	\$	61,603.12
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	\$	
8. CURRENT PAYMENT DUE	\$	61,603.12
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)	\$	812,933.88

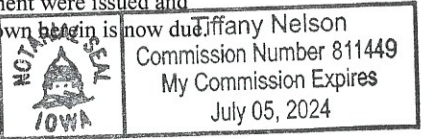
CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner		
Total approved this Month		
TOTALS	\$0.00	\$0.00
NET CHANGES by Change Order	\$0.00	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR:

By: Dave Taylor Date: 12/1/2022

State of: Iowa County of: Delaware
Subscribed and sworn to before me this 1st day of December, 2022
Notary Public: Tiffany Nelson
My Commission expires: 7/5/2024



ARCHITECT'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED \$ 61,603.12

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ARCHITECT: By: [Signature] Date: 12/06/2022

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CONTINUATION SHEET

AIA DOCUMENT G703

PAGE OF PAGES

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.

In tabulations below, amounts are stated to the nearest dollar.

Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO: 1
APPLICATION DATE: 12/1/2022
PERIOD TO:
ARCHITECT'S PROJECT NO: 191102

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED		F MATERIALS PRESENTLY STORED (NOT IN D OR E)	G TOTAL COMPLETED AND STORED TO DATE (D+E+F)	H % (G ÷ C)	I BALANCE TO FINISH (C - G)	J RETAINAGE (IF VARIABLE RATE)
			FROM PREVIOUS APPLICATION (D + E)	THIS PERIOD					
	General Requirements	\$69,470.00	\$22,500.00			\$22,500.00	32.39%	\$46,970.00	\$1,125.00
	Earthwork/ Civil	\$62,250.00	\$2,782.03			\$2,782.03	4.47%	\$59,467.97	\$139.10
	Existing Conditions	\$21,240.00	\$10,080.00			\$10,080.00	47.46%	\$11,160.00	\$504.00
	Concrete/ Masonry	\$71,282.00	\$9,542.00			\$9,542.00	13.39%	\$61,740.00	\$477.10
	Metals	\$28,470.00	\$10,460.00			\$10,460.00	36.74%	\$18,010.00	\$523.00
	Woods, Plastics/ Thermal & Moisture	\$62,580.00	\$396.36			\$396.36	0.63%	\$62,183.64	\$19.82
	Openings	\$123,915.00		\$8,085.00		\$8,085.00	6.52%	\$115,830.00	\$404.25
	Finishes	\$110,421.00							
	Specialties/ Furnishes	\$23,234.00							
	Mechanical	\$163,000.00	\$1,000.00			\$1,000.00	0.61%	\$162,000.00	\$50.00
	Electrical	\$125,375.00							
	Alternate #1 Exterior Painting	\$13,300.00							
	GRAND TOTALS	\$874,537.00	\$56,760.39	\$8,085.00	\$0.00	\$64,845.39	142%	\$537,361.61	\$3,242.27

Users may obtain validation of this document by requesting of the license a completed AIA Document D401 - Certification of Document's Authenticity



▶ 8710 Earhart Lane SW
Cedar Rapids, IA 52404
Main 319.841.4000 + **Fax** 713.965.0044
▶ HRGREEN.COM

December 6, 2022

Michon Jackson
City Administrator
City of Anamosa
107 S. Ford Street
Anamosa, IA 52205

Re: Booth Street Water and Storm Sewer Improvements
Contractor's Payment Application No. 4

Dear Michon,

Enclosed is Payment Application No. 4 from Eastern Iowa Excavating & Concrete, LLC for the above-referenced project. This payment application is for work completed through the end of November 2022 and includes near completion of the roadway, sidewalk, driveway, seeding, and other surface restoration.

The total request for Payment Application No. 4 is \$272,373.41. This payment application represents approximately 88% of the total contract value and corresponds to approximately 44% of the total project schedule until Final Completion in April 2023. HR Green has reviewed and recommend full partial payment of Payment Application No. 4 as submitted by Eastern Iowa.

Sincerely,

HR GREEN, INC.

A handwritten signature in blue ink, appearing to read 'Josh Scanlon'.

Josh Scanlon, P.E.
Project Manager

J:\2020\200121\Construction\Payment\PR4\ltr-20221206-Eastern_Iowa_Exc_Pay_Request_4.docx

APPLICATION AND CERTIFICATION FOR PAYMENT

AIA DOCUMENT G702

PAGE ONE OF TWO PAGE(S)

TO OWNER: City of Anamosa

107 South Ford Street
Anamosa, IA 52205

PROJECT: Booth Street
Water & Storm Sewer Imp.

APPLICATION NO: PP#4

Distribution to:

FROM CONTRACTOR:

EASTERN IOWA EXCAVATING & CONCRETE

VIA ENGINEER: HR GREEN

PERIOD TO: 30-Nov-22

PROJECT NOS:

☒ OWNER
☒ ENGINEER
☒ CONTRACTOR

CONTRACT FOR:

P.O. BOX 189
CASCADE, IA 52033

CONTRACT DATE:

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
Continuation Sheet, AIA Document G703, is attached.

SEE ATTACHED SWORN STATEMENT FROM CONTRACTOR TO OWNER

1. ORIGINAL CONTRACT SUM	\$	\$1,012,788.75
2. Net change by Change Orders	\$	1,923.75
3. CONTRACT SUM TO DATE (Line 1 + 2)	\$	1,014,712.50
4. TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$	\$889,929.27
5. RETAINAGE: (Original Contract Only)		
a. 5 % of Completed Work (Column D + E on G703)	\$	44,496.46
b. 0 % of Stored Material (Column F on G703)	\$	0.00
Total Retainage (Lines 5a + 5b or Total in Column I of G703)	\$	44,496.46
6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total)	\$	845,432.81
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	\$	573,059.40
8. CURRENT PAYMENT DUE	\$	272,373.41
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)	\$	169,279.69

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	\$1,923.75	\$0.00
Total approved this Month (#1)	\$0.00	
TOTALS	\$1,923.75	\$0.00
NET CHANGES by Change Order	\$1,923.75	\$0.00

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: EASTERN IOWA EXCAVATING & CONCRETE

By: *Matt Menster*

State of Iowa
Subscribed and sworn to before me: Matt Menster
Notary Public: *LYNN WHITE*
My Commission expires: 04/26/23



ENGINEER'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED.....\$ 272,373.41

(Attach explanation if amount certified differs from the amount applied. Initial all figures on this Application and on the Continuation Sheet that are changed to conform with the amount certified.)

ENGINEER: HR GREEN

By: *Jelena A. Garcia*

Date: 12/6/2022

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

CITY of ANAMOSA

CITIZEN COMPLAINT FORM

Date: 12-5-22

Signature of Person filing complaint: Michael Rowland

Address: 405 N. Division

Contact Number: 319-480-2687

Notice: Above information will not be disclosed

Name of person complaint is about: _____

Location of complaint: 201 W. Main & 121 E. Main

Nature of complaint:

The berry trees to the side of each of these
properties need to be cut down. The berries are being
tracked into our offices and staining the carpets year
round. Not to mention the birds eat them and deposit
them on cars all up and down the streets.

Attach additional sheet if necessary

For official use below

Employee receiving complaint: Benny K. Lode

Date complaint filed: 12-5-22

Time: 9:23 A.M.

Administrative Review

Date reviewed: _____ Signature of official: _____

Action Warranted: ☐ Yes ☐ No



Simple Scope Short Form Agreement

Project: City of Anamosa
Water Treatment Plant
Hypochlorite Improvements - CPS

Project No: 220409.01
Phase No(s):
Date: 12/6/2022

Client: City of Anamosa
Contact: Michon Jackson
Title: City Administrator
Address: 107 S. Ford Street
City/State/Zip: Anamosa, IA 52205
Phone/Email/Fax No. 319.462.6055

The City of Anamosa's Water Treatment Plant includes a chlorine gas feed system housed in a dedicated 8'x10' storage and feed room. HR Green previously completed a design in 2022 to replace the chlorine gas feed equipment with a new 12.5% bulk delivered sodium hypochlorite (liquid bleach) feed system. This contract is for Construction Phase Services (CPS) for the project and includes the scope of services defined below. The construction schedule is anticipated to begin in January 2023 and be complete by May 31, 2023.

The CLIENT agrees to employ HR Green, Inc. (COMPANY) to perform the following services:

1. Coordinate and conduct a preconstruction conference with CLIENT, COMPANY, Contractor, and subcontractors (as applicable). One (1) meeting is anticipated. Prepare and distribute meeting minutes to all attendees.
2. Review necessary shop drawings, samples, and manufacturer's data that the contractor is required to submit, but only for conformance with design concept of the Project and conformance with the information given in the contract documents. Such review shall not extend to means, methods, techniques, sequences, or procedures of construction.
3. Provide general correspondence with CLIENT, General Contractor, subcontractors, and suppliers throughout the project duration, estimated as a 5-month duration through Final Completion. Act as CLIENT's representative, consult with and advise CLIENT, issue instructions to contractor, and have the authority to act on behalf of CLIENT. Interpret the intent of the drawings, specifications, and contract documents to protect CLIENT against defects and deficiencies in construction on the part of Contractor, however, the Engineer cannot guarantee the performance of any Contractor.
4. Review contractor's applications for monthly progress payments and final payment, and when approved submit to CLIENT for payment.
5. Review contractor's request for change orders, advise CLIENT of the merit and reasonableness of request, and when finalized submit to CLIENT for approval.
6. Make one pre-final inspection and develop punch lists of items remaining to be completed by the Contractor. Make a final punchlist inspection site visit to verify completion of punch list items. Two trips total are included.
7. Submit to CLIENT a statement of substantial completion for the project.



8. Obtain from CLIENT written final acceptance of the completed project.
 9. Prepare record drawings based on construction records provided by contractor. Provide to CLIENT both reproducible hard copy drawings and electronic PDF files on CD.
 10. Provide part-time construction Resident Observer. Part-time construction observation is anticipated to include eight (8) trips and up to 40 hours. Inspection visits are anticipated to be provided during the following critical points of construction: Set-up of temporary chlorine feed system (2 trips), completion of demolition in the existing chlorine gas room, concrete work including pouring the containment curb and sump (2 trips), installation of new chlorine equipment (2 trips), completion of final building modifications in the chlorine room. Should the construction period extend beyond the specified time frame, or additional observation hours are required, the Resident Observer shall be subject to negotiation
-

The CLIENT agrees to pay COMPANY for the above scope of services:

Lump Sum in the amount of \$19,100

- ☒ Reimbursable Expenses Included
- ☐ Sub-Consultant Services Included
- ☐ Prepayment Required for Services to Commence
-

Copy To:

- ☒ Accounting
- ☐

TERMS AND CONDITIONS

Services provided by COMPANY under this AGREEMENT will be performed in a manner consistent with that degree of care and skill ordinarily exercised by members of the same profession currently practicing at the same time and in the same or similar locality.

Nothing contained in this AGREEMENT shall create a contractual relationship with or a cause of action in favor of a third party against either the CLIENT or the COMPANY. COMPANY's services under this AGREEMENT are being performed solely for the CLIENT's benefit, and no other party or entity shall have any claim against COMPANY because of this AGREEMENT or the performance or nonperformance of services hereunder. The CLIENT and COMPANY agree to require a similar provision in all agreements with contractors, subcontractors, sub-consultants, vendors and other entities involved in this project to carry out the intent of this provision.

In an effort to resolve any conflicts that arise during the design or construction of the project or following the completion of the project, the CLIENT and COMPANY agree that all disputes between them arising out of or relating to this AGREEMENT shall be submitted to non-binding mediation unless the parties mutually agree otherwise. The CLIENT and COMPANY further agree to include a similar mediation provision in all agreements with independent contractors and consultants retained for the project and to require all independent contractors and consultants also to include a similar mediation provision in all agreements with subcontractors, sub-consultants, suppliers or fabricators so retained, thereby providing for mediation as the primary method for dispute resolution between the parties to those agreements.

If litigation arises for purposes of collecting fees or expenses due under this AGREEMENT, the Court in such litigation shall award reasonable costs and expenses, including attorney fees, to the party justly entitled thereto. In awarding



attorney fees, the Court shall not be bound by any Court fee schedule, but shall, in the interest of justice, award the full amount of costs, expenses, and attorney fees paid or incurred in good faith.

All reports, plans, specifications, field data, field notes, laboratory test data, calculations, estimates and other documents including all documents on electronic media prepared by COMPANY as instruments of service shall remain the property of COMPANY.

All project documents including, but not limited to, plans and specifications furnished by COMPANY under this project are intended for use on this project only. Any reuse, without specific written verification or adoption by COMPANY, shall be at the CLIENT's sole risk, and CLIENT shall defend, indemnify and hold harmless COMPANY from all claims, damages and expenses including attorneys' fees arising out of or resulting therefrom.

Under no circumstances shall delivery of electronic files for use by the CLIENT be deemed a sale by the COMPANY, and the COMPANY makes no warranties, either express or implied, of merchantability and fitness for any particular purpose. In no event shall the COMPANY be liable for indirect or consequential damages as a result of the CLIENT's use or reuse of the electronic files.

Because electronic file information can be easily altered, corrupted, or modified by other parties, either intentionally or inadvertently, without notice or indication, COMPANY reserves the right to remove itself from ownership and/or involvement in the material from each electronic medium not held in its possession. CLIENT shall retain copies of the work performed by COMPANY in electronic form only for information and use by CLIENT for the specific purpose for which COMPANY was engaged. Said material shall not be used by CLIENT or transferred to any other party, for use in other projects, additions to this project, or any other purpose for which the material was not strictly intended by COMPANY without COMPANY's express written permission. Any unauthorized use or reuse or modifications of this material shall be at CLIENT'S sole risk. Furthermore, the CLIENT agrees to defend, indemnify, and hold COMPANY harmless from all claims, injuries, damages, losses, expenses, and attorneys' fees arising out of the modification or reuse of these materials.

The CLIENT agrees that the General Contractor is solely responsible for job site safety, and warrants that this intent shall be made evident in the CLIENT's agreement with the general contractor. The CLIENT also agrees that the CLIENT, COMPANY and COMPANY's consultants shall be indemnified and shall be made additional insureds on the general contractor's and all subcontractor's general liability policies on a primary and non-contributory basis.

The CLIENT shall make no claim for professional negligence, either directly or in a third party claim, against COMPANY unless the CLIENT has first provided COMPANY with a written certification executed by an independent design professional currently practicing in the same discipline as COMPANY and licensed in the State in which the claim arises.

The CLIENT agrees, to the fullest extent permitted by law, to limit the liability of COMPANY and COMPANY's officers, directors, partners, employees, shareholders, owners and sub-consultants to the CLIENT for any and all claims, losses, costs, damages of any nature whatsoever or claims expenses from any cause or causes, including attorneys' fees and costs and expert witness fees and costs, so that the total aggregate liability of COMPANY and its officers, directors, partners, employees, shareholders, owners and sub-consultants to all those named shall not exceed \$ 10,000. It is intended that this limitation apply to any and all liability or cause of action however alleged or arising, unless otherwise prohibited by law.

Invoices for COMPANY's services shall be submitted, on a monthly basis. Invoices shall be due and payable upon receipt. If any invoice is not paid within 30 days, COMPANY may, without waiving any claim or right against the CLIENT, and without liability whatsoever to the CLIENT suspend or terminate the performance of services. The retainer shall be credited on the final invoice. Accounts unpaid 30 days after the invoice date may be subject to a monthly service charge of 1.5% (or the maximum legal rate) on the unpaid balance. In the event any portion of an account remains unpaid 60 days after the billing, COMPANY may institute collection action and the CLIENT shall pay all costs of collection, including reasonable attorneys' fees.

The COMPANY is not a Municipal Advisor registered with the Security and Exchange Commission (SEC) as defined in the Dodd-Frank Wall Street Reform and Consumer Protection Act. When the CLIENT is a municipal entity as defined by said Act, and the CLIENT requires project financing information for the services performed under this AGREEMENT, the CLIENT will provide the COMPANY with a letter detailing who their independent registered municipal advisor is and that the CLIENT will rely on the advice of such advisor. A sample letter can be provided to the CLIENT upon request.

This AGREEMENT is approved and accepted by the CLIENT and COMPANY upon both parties signing and dating the AGREEMENT. Services will not begin until COMPANY receives a signed agreement. The effective date of the AGREEMENT shall be the last date entered below.



CITY OF ANAMOSA, IOWA

HR GREEN, INC.
8710 Earhart Lane SW
Cedar Rapids, IA 52404
319-841-4000

Accepted by: _____

Approved by: _____

Printed/
Typed Name: _____

Printed/
Typed Name: Andrew Marsh, PE

Title: _____

Title: Vice President

Date: _____

Date: December 7, 2022

RESOLUTION 2022-81

APPROVING AND ENGINEERING AGREEMENT WITH HR GREEN FOR HYPOCHLORITE IMPREVEMENTS AT THE WATER TREATMENT PLANT

WHEREAS, the City is updating our water treatment from a chlorine gas feed system to a chlorine gas hypochlorite feed system; and

WHEREAS, the agreement design would start in January 2023 and be completed by May 31, 2023; and

WHEREAS, City staff is supportive of this update to the water plant and has been working towards this goal for over a year;

THEREFORE, be it resolved that a the City is approving the engineering agreement with HR Green for the Hypochlorite Improvements at the Water Treatment Plant in the amount not to exceed \$19,100.

Councilmember _____ introduced **Resolution 2022-81** and moved for its adoption. Councilmember _____ seconded the motion to adopt. The roll was called and the following indicates the result of the vote.

COUNCILMEMBER		AYES	NAYS	ABSENT
CRUMP				
SMITH				
GOMBERT				
STOUT				
ZUMBACH				
TUETKEN				

PASSED AND APPROVED this 12th day of December 2022.

ATTEST:

Michon Jackson, City Administrator/Clerk

Rod Smith, Mayor

No. _____
Customer No. _____

STEW HANSEN DODGE CITY
12103 HICKMAN RD
DES MOINES IA 50323
(515)331-2900

MOTOR VEHICLE PURCHASE AGREEMENT

DATE 11/18/2022

BUYER CITY OF ANAMOSA

CO-BUYER _____

ADDRESS 100 E 1ST ST

ADDRESS LINE 2 _____

CITY ANAMOSA STATE IA ZIP 52205

EMAIL ADDRESS _____

RES. PHONE _____ CELL _____ WORK (319)462-4434

SALESPERSON HARRY KENNETH BOUGHER III BUYER'S REGISTRATION MONTH N/A COUNTY JONES

DESCRIPTION OF PURCHASED VEHICLE: ☐ NEW ☐ USED ☐ DEMO ☐ CAR ☐ TRUCK ☐ VAN ☐ OTHER

STOCK NO. _____ YEAR _____ MAKE _____ MODEL _____ BODY TYPE _____

V.I.N.

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

 TRIM _____ COLOR _____
TO BE DELIVERED ON OR ABOUT 11/18/2022

PRICE OF VEHICLE	\$	N/A	TRADE-IN ALLOWANCE AND OTHER CREDITS:								
ACCESSORIES:		N/A	YEAR	MAKE	MODEL	BODY TYPE					
2023 DODGE DURANGO PPV	39,422.00		V.I.N.								
2023 DODGE DURANGO PPV	39,422.00		BALANCE OWED TO								
			YEAR	MAKE	MODEL	BODY TYPE					
			V.I.N.								
			BALANCE OWED TO								
			TRADE-IN GROSS ALLOWANCE			\$	N/A				
			LESS AMOUNT OWING			\$	N/A				
			NET TRADE-IN ALLOWANCE OR REMAINING TRADE-IN DEBT			\$	N/A				
			CASH DOWN PAYMENT OR CREDIT BALANCE			\$	N/A				
			MANUFACTURER'S REBATE (IF ANY)			\$	N/A				
			TOTAL DOWN PAYMENT or AMOUNT OWED			\$	N/A				
DOCUMENTARY FEE			BUYER'S TRADE-IN CERTIFICATION								
N/A			If you are trading in a vehicle, you certify the following:								
\$ N/A CASH PRICE			1. That there is no salvage, repair or other history on the vehicle title that would affect the value of the vehicle. If there is salvage, repair or other history on the title, you agree that the dealer may cancel this sale. That to the best of your knowledge, the vehicle was never on or required to be on a salvage, rebuilt, flood or branded title in this or any other state.								
\$ N/A LESS DOCUMENTARY FEE			2. That the air bags are intact and in working order.								
\$ N/A LESS TRADE-IN ALLOWANCE			3. That while you have owned the trade-in, its odometer has not been repaired, replaced, tampered with or altered in any way. That the odometer statement, damage disclosure statement and prior vehicle history which you provided us for your trade-in is true and correct.								
\$ N/A LESS MANUFACTURER'S REBATE			4. That the original emission control system (including the catalytic converter) is intact. That the engine and transmission have not been changed from the manufacturer's original specifications. That the trade-in does not have a cracked or defective head, block, powertrain or frame.								
\$ N/A			<div>WARRANTY DISCLAIMER</div> <p>YOU UNDERSTAND THAT THE VEHICLE IS SOLD "AS IS" WITH ALL FAULTS AND THAT THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, or any other warranties, express or implied, covering the vehicle unless we make a written warranty to you or unless we enter into a service contract with you within 90 days from the date of this contract. If we do so, any implied warranty will last only as long as the limited written warranty.</p> <p>This provision does not affect any warranties which may be provided by the manufacturer. If there is a manufacturer's warranty on the vehicle, we are not a party to it and it is not a part of this contract. If we are authorized by the manufacturer to perform warranty work on your vehicle, we hope that you ask us to perform the work. However, the manufacturer's warranty is between you and the manufacturer.</p>								
\$ N/A AMOUNT SUBJECT TO FEE FOR NEW REGISTRATION											
FEE FOR NEW REGISTRATION								\$		N/A	
TITLE FEE								\$		N/A	
LICENSE FEE								\$		N/A	
LIEN FILING FEE [credit sale only see (1) on page 2]								\$		N/A	
ELECTRONIC REGISTRATION & TITLING FEE								\$		N/A	
TOTAL CASH DELIVERED PRICE			\$		N/A						
LESS TOTAL DOWN PAYMENT or PLUS AMOUNT OWED			\$		N/A						
UNPAID CASH BALANCE DUE ON DELIVERY			\$		N/A						
OTHER INFORMATION OR TERMS OF SALE:											
N/A											

You understand that this agreement (*including the terms on page 2*) is an offer to purchase the vehicle described which will become a binding contract once the dealer has signed it. This document represents the complete agreement between you and the dealer regardless of any other oral, written or prior agreements or representations. However, if you are buying a used vehicle, the information you see on the window form for this vehicle is part of the contract and the information on the window form overrides any contrary provision in this contract. [La informacion que aparece en la ventanilla de este vehiculo forma parte de este contrato. La informacion contenida en el formulario de la ventanilla anula cualquier prevision que establezca lo contrario y que aparezca en el contrato de venta.]

Iowa law requires us to give you the following notice: You understand that liability insurance coverage which would protect you under the Iowa Motor Vehicle and Safety Responsibility Act IS NOT INCLUDED in your purchase of this motor vehicle.

By signing this contract, you are certifying that you are at least 18 years old (if there are two buyers, that at least one of you is 18 years old), that you have read this contract, pages 1 and 2, and agree to its terms, and that you have received a copy of it.

X

Buyer's Signature

Date of Birth

Buyer's Driver's License or F.I.D. No.

X

N/A

Co-Buyer's Signature

N/A

Date of Birth

N/A

Co-Buyer's Driver's License or F.I.D. No.

Accepted By: Harry Bougher

Dealer's Authorized Representative

CONTRACT TERMS AND CONDITIONS

In this contract, the words “we”, “us” and “our” refer to the dealer. The words “you” and “your” refer to the buyer and the co-buyer, if any.

1. CASH SALE. You agree to buy the vehicle described on page 1 of this document. This is not a credit document. If you obtain financing to purchase the vehicle, you will be required to sign documents which comply with applicable federal and state laws. If you obtain financing to purchase the vehicle, there will be a fee for filing the lien on the title. This fee may be paid to either the dealer or to the lending institution from whom you obtain financing.

2. WARRANTY DISCLAIMER. *YOU UNDERSTAND THAT THE VEHICLE IS SOLD “AS IS” WITH ALL FAULTS AND THAT THERE ARE NO IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE,* or any other warranties, express or implied, covering the vehicle unless we make a written warranty to you or unless we enter into a service contract with you within 90 days from the date of this contract. If we do so, any implied warranty will last only as long as the limited written warranty.

This provision does not affect any warranties which may be provided by the manufacturer. If there is a manufacturer's warranty on the vehicle, we are not a party to it and it is not a part of this contract. If we are authorized by the manufacturer to perform warranty work on your vehicle, we hope that you ask us to perform the work. However, the manufacturer's warranty is between you and the manufacturer.

3. YOUR FAILURE OR REFUSAL TO ACCEPT DELIVERY. If you refuse or fail to accept delivery of the purchased vehicle, we may keep your cash deposit as liquidated damages. If you had a trade-in, we may sell the trade-in and keep any part of the selling price which we need to reimburse us for losses which we incurred because you did not take delivery.

4. FAILURE OR DELAY OF DELIVERY. We are not liable for failure to deliver or delay in delivery of the purchased vehicle if the failure or delay is due, in whole or in part, to any cause beyond our control or without our fault or negligence. We are not liable to you for any consequential damages, damages to property, damage for loss of use, loss of time, loss of profits, or income or any other incidental damages arising out of the sale or use of the purchased vehicle.

5. DEALER'S REMEDIES. If you fail to perform all of the terms and conditions of this contract, we may exercise any right or remedy granted by law as well as the other remedies described in this contract.

6. ADDITIONAL DOCUMENTS. You agree to sign any other documents which are required to transfer title to the trade-in vehicle or the purchased vehicle, including odometer statements, damage disclosure statements, and powers of attorney.

7. ATTORNEYS' FEES. If you default on this contract, you will pay us our costs and attorneys' fees and late charges in addition to our damages.

IF YOU HAVE A TRADE-IN:

If you are trading another vehicle as part of the price of the vehicle purchased, you agree to the following additional terms.

8. YOUR WARRANTY OF TITLE TO TRADE-IN. You must provide us with your vehicle title, correctly assigned to us. You promise that the trade-in vehicle is your property free and clear of any liens or encumbrances except as noted on page 1 of this contract and that all taxes and registration fees are currently paid. If we are put to any expense with respect to unpaid taxes or registration fees, you will reimburse us upon demand. If we find out that you made any misrepresentation about the trade-in, then you will pay us three times our actual damages as a result of the misrepresentation, plus our costs of collection and attorney's fees.

9. AMOUNT DUE ON TRADE-IN. The “Trade-In Balance Owed” on page 1 of this contract was provided by your lienholder. If the balance is incorrect due to the fault of the lienholder, the error will be treated as a mutual mistake of fact. In other words, if you owe more money on your trade-in you will pay us the difference or you can rescind the contract by returning the vehicle. If you owe less, we will pay (or credit) you.

10. REAPPRAISAL OF TRADE-IN. If you do not deliver the trade-in to us until the purchased vehicle is delivered to you, then we may reappraise the trade-in at the time that you deliver it to us and the new appraisal will determine the allowance to be made on the vehicle purchased. If the reappraisal is lower than the original appraisal, you may cancel this contract provided you do so before you take delivery of the purchased vehicle and surrender the trade-in.

IF YOU ARE BUYING A NEW VEHICLE:

If you are buying a new vehicle, you agree to the following additional terms.

11. MANUFACTURER'S PRICE REVISION ON NEW VEHICLE. If you are buying a new vehicle which we do not have in stock at the time you order it and if the manufacturer changes our price of the vehicle model or body type you ordered between the time we signed this contract and the time we delivered the vehicle to you, we have the right to change the price to you. However, if you do not agree to the changed price, you may cancel this contract. If you cancel the contract, we will return your trade-in to you, if it has not already been sold so long as you pay for the cost of reasonable repairs and storage fees. If we have sold your trade-in, we will pay you the amount we received for the trade-in less a selling commission of 15% and any expenses which we incurred in reconditioning, repairing, insuring, storing and selling the vehicle.

12. MANUFACTURER'S CHANGE OF THE MODEL AND BODY OF THE NEW VEHICLE. If you are buying a new vehicle and if the manufacturer changes (or discontinues) the model, design, chassis, accessories, body type or parts of the vehicle which you ordered, we will have no obligation to make the same or similar change to the vehicle you ordered either before or after we deliver the vehicle to you.



RESOLUTION 2022-82

APPROVING AGREEMENT TO PURCHASE ONE POLICE VEHICLE IN THE CURRENT FY23 AND ORDER THE 2ND POLICE VEHICLE TO ARRIVE FOR FY24 WITH THE LEASE OF NECESSARY INSIDE AUGMENTATION TO COMPLY WITH THE JOB REQUIREMENTS

WHEREAS, the City is working on updating the police vehicles and getting on a regular replacement schedule; and

WHEREAS, the council approved that the City can budget and pay for an outright purchase of one police vehicle a year for a total of five (5) fiscal years and rent the necessary inside equipment and augmentation needed to comply with the job requirements; and

WHEREAS, City staff is prepared to purchase one police vehicle immediately and then, in the spring, order the 2nd police vehicle for arrival in FY24;

THEREFORE, be it resolved that the City is approving the purchase of one (1) police vehicle this fiscal year and ordering the 2nd police vehicle that will arrive in FY24 with each fiscal year pricing and lease of inside vehicles not to exceed the total annual appropriation amount of \$80,000 per fiscal year.

Councilmember _____ introduced **Resolution 2022-82** and moved for its adoption. Councilmember _____ seconded the motion to adopt. The roll was called and the following indicates the result of the vote.

COUNCILMEMBER		AYES	NAYS	ABSENT
CRUMP				
SMITH				
GOMBERT				
STOUT				
ZUMBACH				
TUETKEN				

PASSED AND APPROVED this 12th day of December 2022.

ATTEST:

Michon Jackson, City Administrator/Clerk

Rod Smith, Mayor

RESOLUTION 2022-83

APPROVING AGREEMENT TO PURCHASE ONE UTILITY DEPARTMENT SLUDGE DUMP TRUCK

WHEREAS, the City has an opportunity to purchase a used sludge dump truck at a good price;
and

WHEREAS, the council was made aware of our current situation of the sludge dump truck is not
in the best working order anymore; and

WHEREAS, City staff is prepared to purchase a used sludge dump truck for the Utility
Department that is covered by the current budget;

THEREFORE, be it resolved that the City is approving the purchase of one (1) sludge dump truck for the
purchase price not to exceed \$50,000.

Councilmember _____ introduced **Resolution 2022-83** and moved for its adoption. Councilmember
_____ seconded the motion to adopt. The roll was called and the following indicates the result of the vote.

COUNCILMEMBER		AYES	NAYS	ABSENT
CRUMP				
SMITH				
GOMBERT				
STOUT				
ZUMBACH				
TUETKEN				

PASSED AND APPROVED this 12th day of December 2022.

ATTEST:

Michon Jackson, City Administrator/Clerk

Rod Smith, Mayor

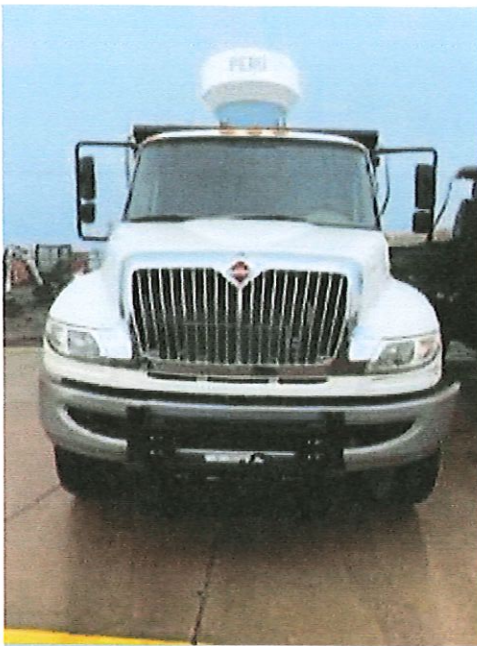
Michon, And Council,

The Utility department has an opportunity to replace the existing sludge dump truck with a newer dump truck. The existing is a 2002 International dump truck with 77000 miles. We use this to haul sludge at the wastewater plant and to help haul snow and other things where more trucks are required than what Shane has. The current truck is suffering from being a plow truck. The battery box has rusted out and we are continually fighting the repair of steel lines and other maintenance issues from all the salt it was exposed to. The newer truck is a 2016 International dump truck with 16000 miles on it. It has a roll tarp that would help when we take screenings to Linn County landfill for disposal because the load has to be covered. It has a pintle hitch so it could be used to pull the excavator trailer around town. Also, if need be, we could have mounts put on the truck and it could be a backup snow plow for Shane.

We all know what we are fighting with supply chain issues as far as good equipment being available. This was an opportunity that I feel that we should not pass on. Original asking price for truck was \$65000 after calling and inquiring they have made us an offer of \$50,000 with no trade. I would then wait until spring and sell the old truck at Highway 64 auctions. We have had good luck selling used equipment at their auctions. I have the money in a line item that I feel comfortable using it to purchase this truck.

Steve Agnitsch

Utility Superintendent



Jon Jordan
United Rentals
Key Account Manager
319-533-1266
Jjordan@ur.com

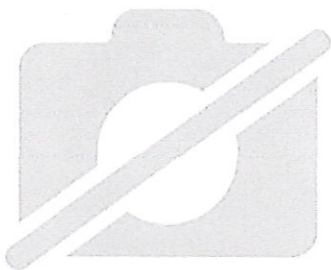
Quality used equipment for sale

2016 INTERNAT'L 4300-DUMP-HYD - PRICE \$65,550 (USD)

Description:	TRUCK DUMP 5 YARD NON CDL DSL
Make/Model:	INTERNAT'L 4300-DUMP-HYD
Year:	2016
Serial #:	1HTMMMMP3HH522562
Meter:	15228.000
Equipment #:	10546981
Location:	J46 - PERU, IL

UNITED RENTALS (Store 737)
5735 4TH STREET CT S.W.
CEDAR RAPIDS, IA 52404
Mon-Fri: 7:00AM-5:00PM Sat: CLOSED Sun: CLOSED

Sales Contact:
Johnathon Jordan
319-533-1266
jjordan@ur.com



Valid through 12/22/2022
UnitedRentals.com | 800.UR.RENTS

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BRANCH 737
5735 4TH STREET CT S.W.
CEDAR RAPIDS IA 52404
319-366-7584

213366351-000

Customer # : 1378027
Reserved Date : 11/22/22 10:58

UR Job Loc : 1210 WALWORTH AVE, A
UR Job # : 2
Customer Job ID:
P.O. # : TBD
Ordered By : STEVE AGNITSCH
Written By : JOHNATHON JORDAN
Salesperson : JOHNATHON JORDAN

Job Site

CITY OF ANAMOSA
1210 WALWORTH AVE
ANAMOSA IA 52205

Office: 319-462-3473 Cell: 319-558-8335

CITY OF ANAMOSA
107 S FORD ST
ANAMOSA IA 52205-1841

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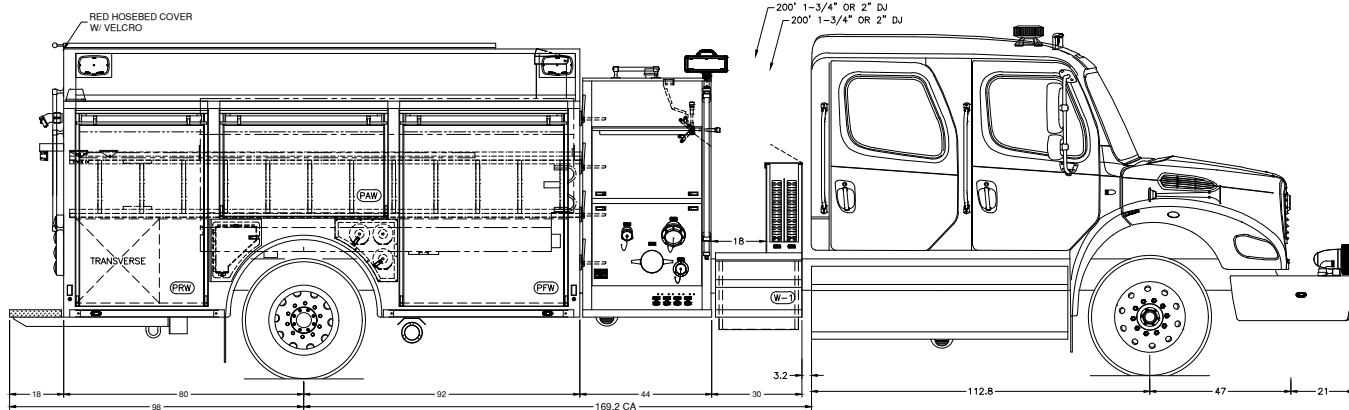
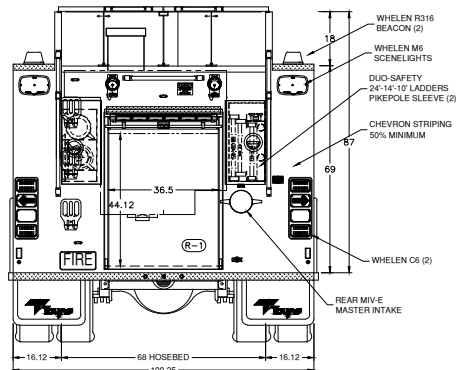
Qty	Equipment #	Price	Amount
1	10546981 CC: 952-7051 TRUCK DUMP 5 YARD NON CDL DSL Make: INTERNAT'L Model: 4300-DUMP-HYD Serial #: 1HTMMMP3HH522562 Model Year: 16 Lic: 29538J Wgt: 026001 MI OUT: 15228.000	50000.00	50000.00

Agreement Subtotal: 50000.00
Total: 50000.00

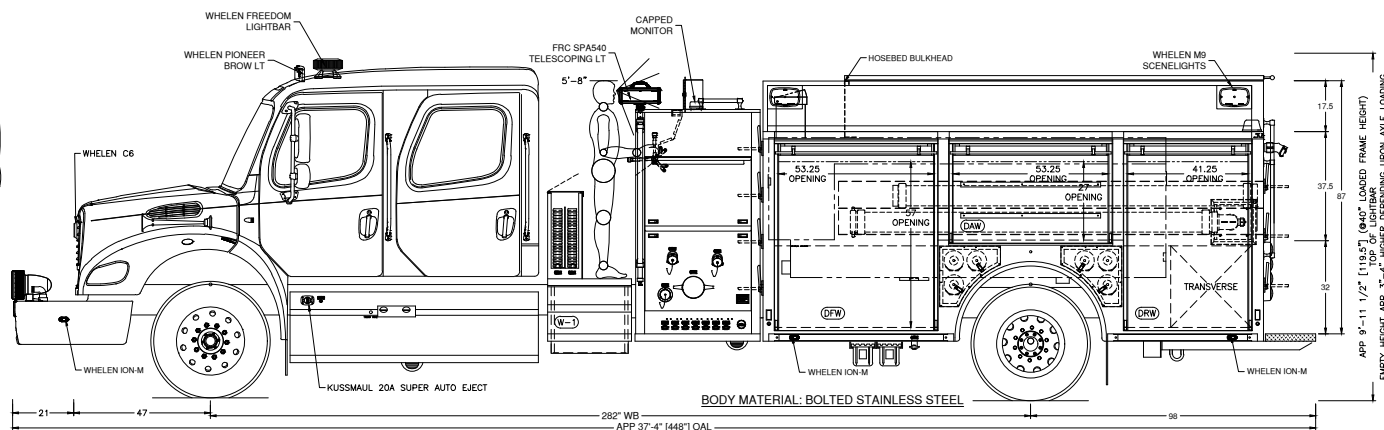
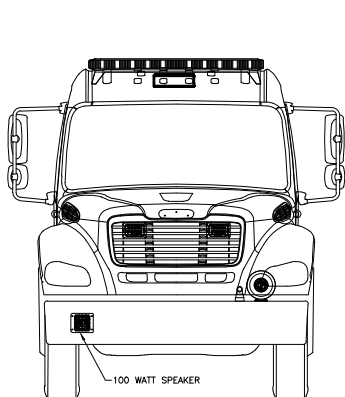
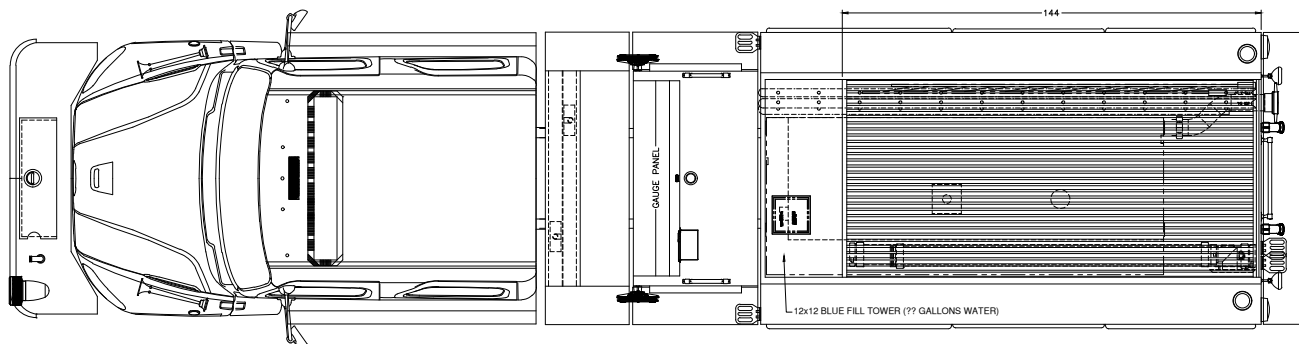
COMMENTS/NOTES:

CONTACT: STEVE AGNITSCH
CELL#: 319-558-8335

WHERE PERMITTED BY LAW, UNITED RENTALS MAY IMPOSE A SURCHARGE OF 1.8% FOR CREDIT CARD PAYMENTS ON CHARGE ACCOUNTS. THIS SURCHARGE IS NOT GREATER THAN OUR MERCHANT DISCOUNT RATE FOR CREDIT CARD TRANSACTIONS AND IS SUBJECT TO SALES TAX IN SOME JURISDICTIONS. THIS IS NOT A SALE AGREEMENT/INVOICE. THE ITEMS LISTED ABOVE ARE SUBJECT TO AVAILABILITY AND ACCEPTANCE OF THE TERMS AND CONDITIONS OF UNITED'S SALE AGREEMENT/INVOICE WHICH ARE AMENDED FROM TIME TO TIME AND POSTED ONLINE AT <https://www.unitedrentals.com/legal/sale-agreement> AND INCORPORATED HEREIN BY REFERENCE. A PAPER COPY OF THE SALE AGREEMENT/INVOICE TERMS IS AVAILABLE UPON REQUEST.



COMP.	HEIGHT	WIDTH	USABLE UPPER	DEPTH LOWER	DIVIDE HEIGHT	FT
DFW	67.12	59.88	14	26	28	44.20
DAW	37.12	63.75	14	—	—	19.18
DRW	67.12	44.00	14	26	28	32.49
PFW	67.12	59.88	14	26	28	44.20
PAW	37.12	63.75	14	—	—	19.18
PRW	67.12	44.00	14	26	28	32.49
R-1	52.12	44.00	—	30	—	39.72
HOSEBED	18	68	—	144	—	102.00
FRONT X-LAY	25.75	4.62	—	73.75	—	5.08
REAR X-LAY	25.75	4.62	—	73.75	—	5.08



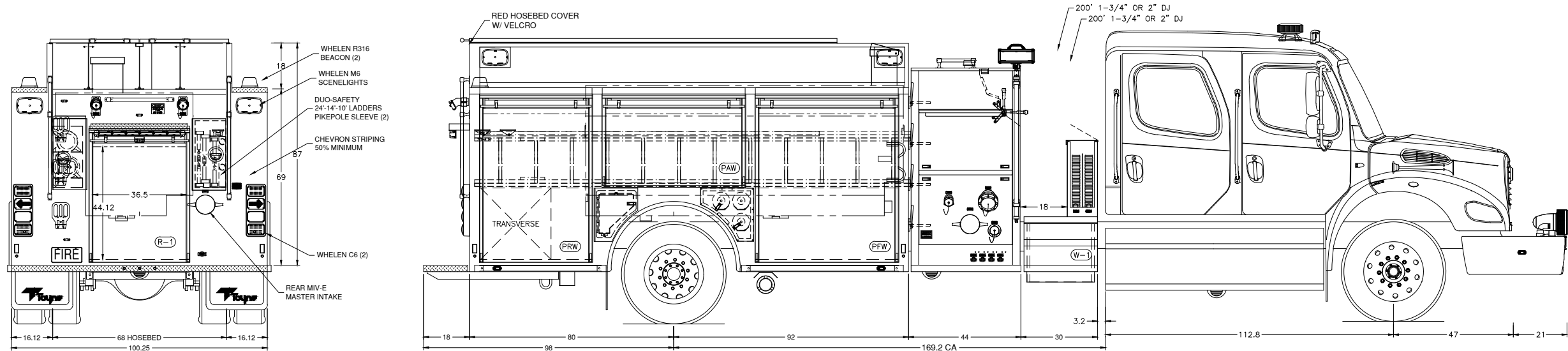
NOTE:
DIMENSIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO MINOR CHANGE AS MAY BE FOUND NECESSARY DURING CONSTRUCTION. MINOR DETAILS MAY NOT BE SHOWN. IF DISCREPANCIES EXIST BETWEEN THIS DRAWING AND THE WRITTEN SPECIFICATIONS PROVIDED BY TOYNE, THE WRITTEN SPECIFICATIONS SHALL PREVAIL.

ORIGINAL DRAWING	27JULY22	CHASSIS:	FREIGHTLINER M2 112 4DOOR 4x2	SCALE:	1/66	SHEET:	A
		WB-CA-AF:	282"-169.2"-47" D17	CITY:	ANAMOSA		
		BODY MATL:	BOLTED STAINLESS STEEL	STATE:	IA		
		PUMP:	HALE QMAX 1500	DLR:	TOY-NEP		
		TANK:	1000 UPF POLY-TANK III	CAD:	GROSSMAN		
		FOAM SYSTEM:	N/A	DATE:	27 JULY 2022		
		GENERATOR:	N/A	FILE:	ANAMOSA22		

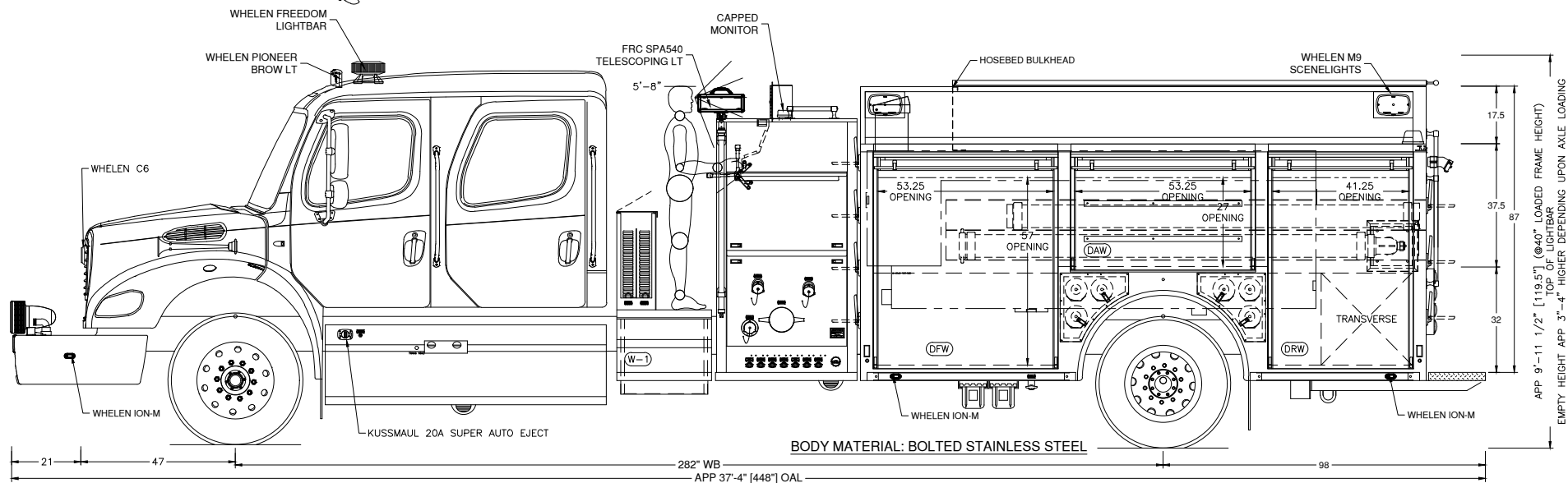
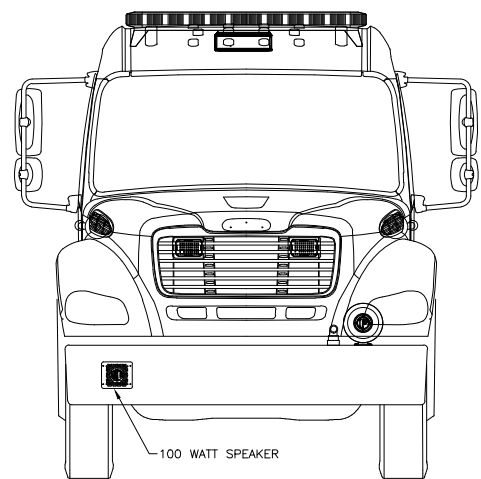
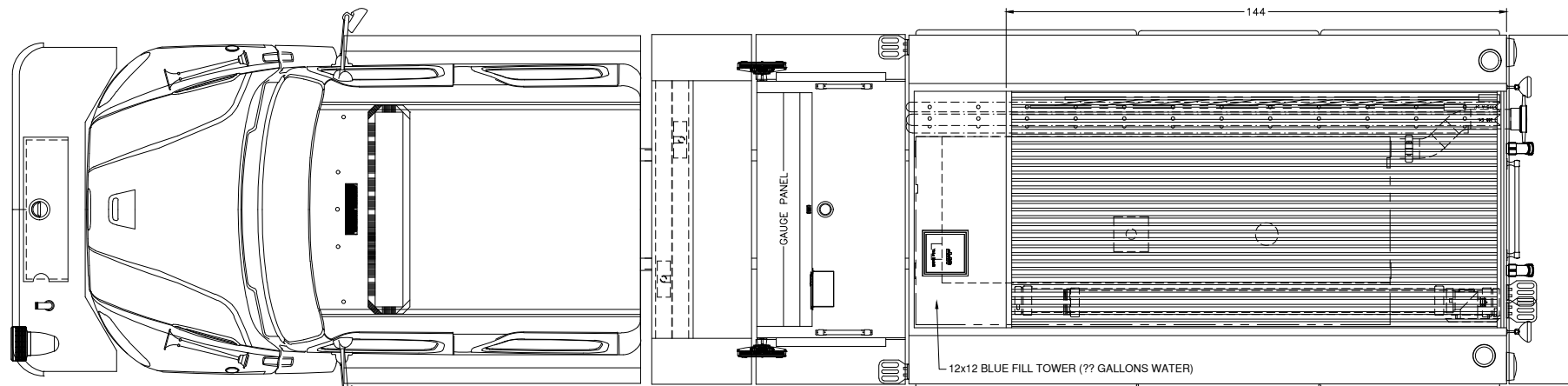
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COMP.	HEIGHT	WIDTH	USABLE UPPER	DEPTH LOWER	DIVIDE HEIGHT	FT ³
DFW	67.12	59.88	14	26	28	44.20
DAW	37.12	63.75	14	—	—	19.18
DRW	67.12	44.00	14	26	28	32.49
PFW	67.12	59.88	14	26	28	44.20
PAW	37.12	63.75	14	—	—	19.18
PRW	67.12	44.00	14	26	28	32.49
R-1	52.12	44.00	—	30	—	39.72
HOSEBED	18	68	—	144	—	102.00
FRONT X-LAY	25.75	4.62	—	73.75	—	5.08
REAR X-LAY	25.75	4.62	—	73.75	—	5.08



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ORIGINAL DRAWING	27JULY22	CHASSIS:	FREIGHTLINER M2 112 4 DOOR 4x2	SCALE:	1/48	SHEET:	B
		WB-CA-AF:	282"-169.2"-47" D17	CITY:	ANAMOSA		
		BODY MATL:	BOLTED STAINLESS STEEL	STATE:	IA		
		PUMP:	HALE QMAX 1500	DLR:	TOY-NEP		
SIGNATURE:		TANK:	1000 UPF POLY-TANK III	CAD:	GROSSMAN		
PRINT NAME:		FOAM SYSTEM:	N/A	DATE:	27 JULY 2022		
TITLE:	DATE:	GENERATOR:	N/A	FILE:	ANAMOSA22		

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CORPORATE OWNERSHIP OF MANUFACTURER

The manufacturer of the apparatus must be fully owned and managed by a Parent Company, Corporation, or Individual(s) that is 100% held by United States of America based Company, Corporation, or United States citizen(s).

Proposals from any manufacturer that is fully or partially owned and/or operated by a foreign company, Corporation or Individual(s) under any type of ownership, partnership, or any similar type of agreement will be immediately rejected.

CORPORATE CONTACT INFORMATION

The purchaser shall be provided with the following information to allow them to contact the President/CEO of the manufacturing company (not dealer) when deemed necessary:

- Name of Company President.
- Office address.
- Office telephone number.
- Email address.
- Home address.
- Home telephone number.
- 24/7 Cellular telephone number.

If the manufacturing company is a subsidiary of, division of, or owned by a different Company, the above information shall also be provided on the 'Parent' Company.

There will be no exception to this requirement.

TOP OF THE LINE FIRE APPARATUS

If the manufacturer or bidder for the apparatus manufacturer represents two or more different lines of apparatus and/or operates two or more manufacturing plants, it should be clearly stated in the bid proposal.

In addition to this requirement, the bidder shall give a detailed explanation of why the particular line, brand, model or manufacturing facility will be used.

Manufacturer's or bidder's with multiple lines (two or more) or multiple manufacturing facilities (two or more) shall be required to submit bid proposals on only the top of the line brand/model or from the top of the line facility.

It is the intention of the purchaser to purchase a top of the line, first class, #1 quality fire apparatus. Any bidder that submits a bid on a "lower end" line, brand, model, or from a "lower end" manufacturing facility will be immediately rejected.

The purchaser is not interested in purchasing a manufacturer's or bidders "lower end" apparatus. Because of this, any bids submitted that do not comply with the above requirements will be immediately rejected.

CERTIFICATION OF NFPA 1901-2016 COMPLIANCE

As per NFPA 1901, the Purchaser shall assume the responsibility of determining, prior to the purchase of the apparatus, who will be responsible for ensuring that all aspects of NFPA 1901 are met. The manufacturer shall be responsible for providing or performing only the items requested by the purchaser in the documents provided to the manufacturer by the

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purchaser.

Written certification shall be provided by the manufacturer stating that the delivered apparatus complies with the NFPA 1901 Standard. If the purchaser has elected to provide, perform, outsource and/or contract with a third party or waive any item required by NFPA 1901, the manufacturer shall provide, upon delivery, a "Statement of Exceptions" per Chapter 4 of NFPA 1901 4.21.

The "Statement of Exceptions" shall include:

- A separate specification of the section of the NFPA Standard for which the apparatus is lacking compliance.
- A description of the particular aspect of the apparatus that is not compliant therewith or required equipment that is missing.
- A description of the further changes or modifications to the delivered apparatus which must be completed to achieve full compliance.
- An identification of the entity that will be responsible for making the necessary post-delivery changes or modifications or for supplying and installing any missing required equipment to the apparatus to achieve full compliance to the standard.

Prior to, or at the time of, delivery of the apparatus, the Statement of Exceptions shall be signed by an authorized agent of the entity responsible for the final assembly of the apparatus and by an authorized agent of the purchasing entity, indicating a mutual understanding and agreement between the parties regarding the substance thereof.

The purchaser shall not place the apparatus into active emergency service until fully compliant with NFPA 1901.

NFPA REQUIRED EQUIPMENT

The end user of this apparatus shall provide all other equipment and accessories that are required by NFPA 1901 but not specifically listed in these specifications.

MAXIMUM TOP SPEED

The maximum top speed of this apparatus shall be determined using the following NFPA 1901 Chapter 4 criteria:

- Apparatus with 1250 gallon combined water tank capacity shall not exceed 60 MPH.
- Apparatus with GVWR of over 50,000 lbs. shall not exceed 60 MPH.
- Apparatus weighing over 26,000 lbs. shall not exceed 68 MPH.

HALE MODEL Q-MAX 1500 GPM SINGLE STAGE PUMP

The fire pump shall be a Hale Fire Pump Company Q-MAX that complies with all applicable requirements of the latest edition of the "Standard for Automotive Fire Apparatus" published by the National Fire Protection Association and printed in Pamphlet 1901.

PUMP WARRANTY

The pump shall be covered by the Hale Pro-Tech 5-year pump warranty against workmanship and materials. Both parts and labor shall be covered for the first 2 years and years 3-5 shall have parts only coverage.

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UNDERWRITER'S LABORATORY CERTIFICATION

The completed apparatus shall be tested and approved by the independent testing company Underwriter's Laboratories, Inc. The manufacturer of the apparatus shall be responsible for all costs involved in this test. The certification of inspection and approval shall be presented to the Fire Chief of the Department upon delivery of the completed apparatus.

PUMP PERFORMANCE - 1,500 U.S. GPM.

The pump shall be a single stage centrifugal with a class "A" rated capacity of 1,500 United States gallons per minute. The pump shall deliver the percentage of rated discharge pressures as indicated below:

- 100 percent of rated capacity at 150 pounds net pressure.
- 70 percent of rated capacity at 200 pounds net pressure.
- 50 percent of rated capacity at 250 pounds net pressure.
- 100 percent of rated capacity at 165 pounds net pressure.

PUMP CONSTRUCTION

The entire pump shall be manufactured and tested at the pump manufacturer's factory.

The pump shall be driven by a drive line from the truck transmission. The pump shall be free from objectionable pulsation and vibration under all normal operating conditions. The engine shall provide sufficient horsepower and revolutions per minute to allow the pump to meet or exceed its rated performance.

The entire pump including both suction and discharge passages, shall be hydrostatically tested to a pressure of 500 psi. The pump shall be fully tested at the pump manufacturer's factory to the performance spots as outlined by NFPA 1901.

The pump body and related parts shall be of fine grain alloy cast iron with a minimum tensile strength of 30,000 PSI. All moving parts in contact with water shall be of high quality bronze or stainless steel. Pumps utilizing castings made of lower tensile strength cast iron are not acceptable.

The pump body shall be horizontally split, on a single plane, in two (2) sections, for easy removal of entire impeller assembly including wear rings and bearings from beneath the pump without disturbing piping or the mounting of the pump on the chassis.

The pump shaft shall be rigidly supported by three (3) bearings for minimum deflection. The bearings shall be heavy-duty, deep groove style bearings in the gearbox and they shall be splash lubricated.

The pump impeller shall be of hard, fine grain bronze with a mixed flow design; accurately machined, hand ground, and individually balanced. The vanes of the impeller intake eyes shall be hand ground and polished to a sharp edge, and shall be of sufficient size and design to provide ample reserve capacity utilizing minimum horsepower.

The pump shaft shall be fabricated of heat-treated, electric furnace, corrosion resistant stainless steel, and shall be super finished under the shaft seal. The pump shaft must be sealed with double lip oil seal to keep road dirt and water out of gearbox.

11/22/22

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GEAR BOX

The gear box shall be completely manufactured and tested at the pump manufacturer's factory.

The pump gearbox shall be of sufficient size to withstand up to 16,000 lbs. ft. of torque of the engine in both road and pump operating conditions. The gearbox shall be designed of ample capacity for lubrication reserve and to maintain the proper operating temperature.

The gearbox drive shafts shall be of heat-treated chrome nickel steel and shall be a minimum of 2.75 inches in diameter, on both the input and the output drives shafts. The gearbox shall withstand the full torque of the engine in both road and pump operating conditions.

All gears, both drive and pump, shall be of highest quality electric furnace chrome nickel steel. Bores shall be ground to size and the gear teeth shall be crown shaven, and hardened for smooth, quiet running, and a higher load carrying capability. An accurately cut spur design shall be provided to eliminate all possible end thrust.

The pump gear ratio shall be selected by the apparatus manufacturer to give the maximum performance with the engine and transmission selected.

NFPA 2016 INTERLOCK MODULE

An interlock module shall be provided on the pump shift to comply with NFPA shift safety requirements.

GEARCASE COOLING LINE

A cooling line shall be provided in the pump gear case. A line shall be routed from the discharge side of the pump to the gear case, through the gear case then back into the intake side of the pump.

MECHANICAL SEAL

The pump shaft shall be equipped with a single mechanical type seal on the suction (inboard) side of the pump. The mechanical seal shall be a minimum of two inches in diameter and shall be spring loaded, maintenance free and self-adjusting. The mechanical seal shall be constructed of a carbon sealing ring, stainless steel coil spring, Viton rubber cup, and a tungsten carbide seat with Teflon backup seal.

SACRIFICIAL PUMP ANODES - (3)

To aid in protecting the pump from internal corrosion, three sacrificial anodes shall be provided and located one in the lower section of each side inlet and one on the discharge side of the pump.

FRC PUMP BOSS PRESSURE GOVERNOR SYSTEM

Fire Research Pump Boss pressure governor and monitoring display kit shall be installed. The kit shall include a control module, pressure sensor, and cables.

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The following continuous displays shall be provided:

- Check engine/stop engine warning lights
- Engine rpm shown with four daylight bright LED digits more than 1/2" high
- Engine oil pressure; shown on an LED bar graph display in 10 psi increments
- Engine temperature shown on an LED bar graph display in 10 degree increments
- Battery voltage shown on an LED bar graph display in 0.5 volt increments
- PSI / RPM setting; shown on a dot matrix message display
- PSI and RPM mode LEDs
- Throttle ready LED.

A dot-matrix message display shall show diagnostic and warning messages as they occur. It shall show monitored apparatus information, stored data, and program options when selected by the operator.

The program shall store the accumulated operating hours for the pump and engine, previous incident hours, and current incident hours in a non-volatile memory. Stored elapsed hours shall be displayed at the push of a button. It shall monitor inputs and support audible and visual warning alarms for the following conditions:

- High Engine RPM
- Pump Overheat
- High Transmission Temperature
- Low Battery Voltage (Engine Off)
- Low Battery Voltage (Engine Running)
- High Battery Voltage
- Low Engine Oil Pressure
- High Engine Coolant Temperature

The governor shall operate in two control modes, pressure and RPM. No discharge pressure or engine RPM variation shall occur when switching between modes. A control knob that uses optical technology shall adjust pressure or RPM settings. It shall be 2" in diameter with no mechanical stops, a serrated grip, and have a red idle push button in the center.

A throttle ready LED shall light when the interlock signal is recognized. The governor shall start in pressure mode and set the engine RPM to idle. In pressure mode the governor shall automatically regulate the discharge pressure at the level set by the operator. In RPM mode the governor shall maintain the engine RPM at the level set by the operator except in the event of a discharge pressure increase. The governor shall limit a discharge pressure increase in RPM mode to a maximum of 30 psi. Other safety features shall include recognition of no water conditions with an automatic programmed response and a push button to return the engine to idle.

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TFT A-18 INTAKE RELIEF VALVE

A TFT model A-18 intake relief/dump valve shall be provided on the intake side of the pump to relieve excess incoming pressure. The system shall be designed to automatically restore to a non-relieving position when excessive pressure is no longer present. The pressure adjustment range shall be from 50 psi to 200 psi. The relief system shall be adjustable with a common type box end wrench.

The intake relief valve shall be pre-set to 125 psi.

PUMP SHIFT MECHANISM -AIR/ELECTRIC

The pump shall be shifted from road to pump by means of a cab mounted air over electric pump shift switch. The switch shall have a built in positive locking mechanism to prevent accidental movement of the switch. The locking mechanism shall require the operator to manually lift up on the switch lever to disengage the lock.

The switch shall have three positions:

- Position 1 = road position
- Position 2 = neutral position
- Position 3 = pump position

A green indicator light shall be provided in the driving compartment and shall be energized when the pump shift has been completed. This light shall be labeled "PUMP ENGAGED".

When the apparatus is equipped with an automatic transmission, a green indicator light shall be provided in the driver's compartment. It shall be energized when both the pump shift has been completed and the chassis transmission is in pump gear. This light shall be labeled "OK TO PUMP".

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MANUAL PUMP SHIFT OVERRIDE- REMOTE CABLE ACTUATION

A manual pump shift override shall be provided on the apparatus. The shift shall be remote cable actuated. The remote cable shall have a "T" handle control which shall be positioned just inside the pump compartment on the driver's side. The control shall be easily accessed through the side panel hinged access door. The control shall be clearly labeled "MANUAL PUMP SHIFT".



TRIDENT AUTOMATIC PRIMING SYSTEM

A Trident automatic air priming system shall be provided.



PRIME MODE SWITCH

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A toggle switch shall be provided on the pump panel to choose priming mode. The switch shall be pushed to initially prime the pump. After the pump is primed, the switch may be placed in "auto" mode. The system shall monitor the discharge pressure of the pump and automatically restart the primer if discharge pressure is lost.

The auto prime system shall be interconnected to the pump shift to allow priming activation only in pump mode.

DUAL PRIME LOCATIONS

The priming system shall prime from two priming locations.

PRIMER PRESSURE PROTECTION VALVE

A pressure protection valve shall be provided in the priming system air line assembly.

MANIFOLD DRAIN VALVE

The pump shall have a manifold type drain valve assembly consisting of a stainless steel plunger in a bronze body with multiple ports. The control for the valve shall be on the left side along the bottom of the panel and above the side running board. The valve shall be a rotary type with a large easy to grip handle. The valve shall be labeled "PUMP DRAIN".

ICI "LEVER LIFT" BLEEDER/DRAIN VALVES

ICI 3/4" quarter turn ball type bleeder/drain valve shall be provided for each discharge and auxiliary intake. A hose shall be connected to the valve that will direct water below the apparatus and away from the immediate pump operator's location.

The control handle shall be "lever lift" style for easy actuation. The handle for the control shall have a recessed area for the color coded identification label.

LOW POINT AUTO-DRAINS

Automatic drains shall be provided in low points of any discharge piping. The drain shall drain to the ground below its location. This drain shall be a supplementary drain and will not be considered the required 3/4" bleeder drain.

6" LEFT (DRIVER) SIDE MASTER INTAKE

A 6" master intake shall be provided on the left (driver) side of the apparatus. The intake shall have a 6" male NST connection. The intake shall have a removable screen to prevent the entry of large objects into the pump. The screen shall be constructed of a material that will provide cathodic protection to the pump. A label shall be provided above the intake that states "DRIVER SIDE MASTER INTAKE". The label shall be color coded burgundy.

HALE MIV-E MASTER INTAKE VALVE FOR LEFT SIDE MASTER INTAKE

The left side master intake shall be equipped with a Hale model MIV-E electrically operated intake valve. The valve shall be a full flow butterfly type valve designed to mount on the fire pump between the suction tube extension and the suction tube behind the pump panel. The valve shall not interfere with other suction or discharge openings on the fire pump.

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The entire valve shall be cast, manufactured, and tested at the pump manufacturer's factory. The valve body and related components that are in contact with water shall be fine grained corrosion resistant bronze. The butterfly disc shall be manufactured of 80,000 psi minimum yield strength heat treated cast steel then coated with a durable nitrile rubber to provide a positive seal when the valve is closed. The valve shall be hydrostatically tested to 600 psig and vacuum tested to 26" hg.

A pressure relief valve shall be provided that is factory set at 125 psi and field adjustable from 75 to 250 psi. The pressure relief valve shall provide overpressure protection for the soft suction hose even when the intake valve is closed.

The inlet valve shall be operated by a 12 VDC electric motor with the control on the pump panel. The valve shall be provided with panel placards indicating control operation. The placards shall have status lights to indicate whether the valve is open, closed, or traversing from one position to the other. The valve shall have a gear operator that will open/close the valve in no less than 3 seconds. The gear actuators shall be sealed to provide reliable service in the hard pump compartment environment. The ratio of the actuator will be such that the handwheel will close the valve in no more than 10 complete turns.

A label stating the following will be provided near the intake: "WARNING-SERIOUS INJURY OR DEATH COULD OCCUR IF INLET IS SUPPLIED BY A PRESSURIZED SOURCE WHEN THE VALVE IS CLOSED.

MANUAL MIV "BACKUP" CONTROL - LEFT SIDE INTAKE

A manually operated "backup" handwheel control shall be provided for the left side valve and located in an accessible location. Because the backup control moves when the electric control is activated, the backup control shall not be located in any location that firefighting personnel may inadvertently come into contact with the control during normal operations.

DRIVER SIDE MIV VALVE DRAIN

A 3/4" drain shall be provided on the valve body to allow draining of the outer side of the valve.

DRIVER SIDE MIV BLEEDER VALVE

A 1/4" bleeder valve shall be provided on valve body to bleed off air on the outer side of the valve.

LEFT SIDE MASTER INTAKE CAP

A 6" FNST LH chrome cap shall be provided on the left side master intake.

6" RIGHT (PASSENGER) SIDE MASTER INTAKE

A 6" master intake shall be provided on the right (passenger) side of the apparatus. The intake shall have a 6" male NST connection. The intake shall have a removable screen to prevent the entry of large objects into the pump. The screen shall be constructed of a material that will provide cathodic protection to the pump. A label shall be provided above the intake that states "PASSENGER SIDE MASTER INTAKE". The label shall be color coded burgundy.

HALE MIV-E MASTER INTAKE VALVE FOR RIGHT SIDE MASTER INTAKE

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The right side master intake shall be equipped with a Hale model MIV-E electrically operated intake valve. The valve shall be a full flow butterfly type valve designed to mount on the fire pump between the suction tube extension and the suction tube behind the pump panel. The valve shall not interfere with other suction or discharge openings on the fire pump or with the operating control properly mounted.

The entire valve shall be cast, manufactured, and tested at the pump manufacturer's factory. The valve body and related components that are in contact with water shall be fine grained corrosion resistant bronze. The butterfly disc shall be manufactured of 80,000 psi minimum yield strength heat treated cast steel then coated with a durable nitrile rubber to provide a positive seal when the valve is closed. The valve shall be hydrostatically tested to 600 psig and vacuum tested to 26" hg.

A pressure relief valve shall be provided that is factory set at 125 psi and field adjustable from 75 to 250 psi. The pressure relief valve shall provide overpressure protection for the soft suction hose even when the intake valve is closed.

The inlet valve shall be operated by a 12 VDC electric motor with the control on the pump panel. The valve shall be provided with panel placards indicating control operation. The placards shall have status lights to indicate whether the valve is open, closed, or traversing from one position to the other. The valve shall have a gear operator that will open/close the valve in no less than 3 seconds. The gear actuators shall be sealed to provide reliable service in the hard pump compartment environment. The ratio of the actuator will be such that the handwheel will close the valve in no more than 10 complete turns.

A label stating the following will be provided near the intake: "WARNING-SERIOUS INJURY OR DEATH COULD OCCUR IF INLET IS SUPPLIED BY A PRESSURIZED SOURCE WHEN THE VALVE IS CLOSED."

MANUAL MIV "BACKUP" CONTROL - RIGHT SIDE INTAKE

A manually operated "backup" handwheel control shall be provided for the right side valve and located in an accessible location. Because the backup control moves when the electric control is activated, the backup control shall not be located in any location that firefighting personnel may inadvertently come into contact with the control during normal operations.

RIGHT SIDE MIV VALVE DRAIN

A 3/4" drain shall be provided on the valve body to allow draining of the outer side of the valve.

RIGHT SIDE MIV BLEEDER VALVE

A 1/4" bleeder valve shall be provided on valve body to bleed off air on the outer side of the valve.

RIGHT SIDE MASTER INTAKE CAP

A 6" FNST LH chrome cap shall be provided on the right side master intake.

6" REAR INTAKE

A 6" rear intake shall be provided and located on the right side of the rear face extended through the rear compartment.

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(Intake may effect rear compartment dimensions listed elsewhere in these specifications.)

The intake shall have a Southpark IL35S32AC chrome plated MNST hose connection with screen insert.

All piping in the rear intake shall be 5" suction pipe. Victaulic couplings shall be used throughout the piping assembly to allow for easy disassembly if necessary. All elbows used in the piping shall be smooth radius type to allow maximum flow and minimum pressure loss.

Bleeder/drain valves shall be installed in all low points in the piping.

HALE MIV-E MASTER INTAKE VALVE FOR REAR INTAKE

The rear intake shall be equipped with a Hale model MIV-E electrically operated intake valve. The valve shall be a full flow butterfly type valve designed to mount on the fire pump between the suction tube extension and the suction tube behind the pump panel. The valve shall not interfere with other suction or discharge openings on the fire pump or with the operating control properly mounted.

The entire valve shall be cast, manufactured, and tested at the pump manufacturer's factory. The valve body and related components that are in contact with water shall be fine grained corrosion resistant bronze. The butterfly disc shall be manufactured of 80,000 psi minimum yield strength heat treated cast steel then coated with a durable nitrile rubber to provide a positive seal when the valve is closed. The valve shall be hydrostatically tested to 600 psig and vacuum tested to 26" hg.

A pressure relief valve shall be provided that is factory set at 125 psi and field adjustable from 75 to 250 psi. The pressure relief valve shall provide overpressure protection for the soft suction hose even when the intake valve is closed.

The inlet valve shall be operated by a 12 VDC electric motor with the control on the pump panel. The valve shall be provided with panel placards indicating control operation. The placards shall have status lights to indicate whether the valve is open, closed, or traversing from one position to the other. The valve shall have a gear operator that will open/close the valve in no less than 3 seconds. The gear actuators shall be sealed to provide reliable service in the hard pump compartment environment. The ratio of the actuator will be such that the handwheel will close the valve in no more than 10 complete turns.

A label stating the following will be provided near the intake: "WARNING-SERIOUS INJURY OR DEATH COULD OCCUR IF INLET IS SUPPLIED BY A PRESSURIZED SOURCE WHEN THE VALVE IS CLOSED.

MANUAL MIV "BACKUP" CONTROL - REAR INTAKE

A manually operated "backup" handwheel control shall be provided for the rear intake valve and accessible from under the apparatus. Because the backup control moves when the electric control is activated, the backup control shall not be located in any location that firefighting personnel may come into contact with the control during normal operations.

REAR MIV VALVE DRAIN

A 3/4" drain shall be provided on the valve body to allow draining of the outer side of the valve.

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REAR MIV BLEEDER VALVE

A 1/4" bleeder valve shall be provided on valve body to bleed off air on the outer side of the valve.

REAR MASTER INTAKE PRE-PRIME

A priming button shall be provided on the pump panel to allow pre-priming of the rear master intake when the intake valve is closed.

REAR INTAKE PIPING - STAINLESS STEEL

The rear intake piping shall be 304 stainless steel.

REAR MASTER INTAKE CAP

A 6" female NST long handle chrome cap shall be provided on the rear master intake.

HALE TRV-L 120 THERMAL RELIEF VALVE WITH INDICATOR LIGHT/BUZZER

A Hale TRV-L 120 thermal relief valve shall be provided and installed on the discharge side of the pump. The valve shall function automatically when the water temperature in the pump exceeds 120 degrees Fahrenheit. The valve shall discharge a 3/8" stream of water to the booster tank thereby preventing pump overheating. The valve shall be self-resetting after the temperature of the water in the pump drops below 120 degrees Fahrenheit. A pump panel mounted light shall be provided to indicate when the relief valve is open (discharging to tank). An audible buzzer alarm shall also be provided.



3/8" PUMP COOLING/BYPASS LINE

NOTE: This shall be provided in addition to the thermal valve.

A 3/8" pump cooling/bypass line shall be provided from the pump discharge manifold directly into the tank. This discharge shall implement an all brass ball type 1/4 turn valve with chrome plated handle control located on the pump panel. The valve control handle shall indicate the open/closed position of the valve. The handle shall have a recessed area for mounting of the identification label which shall clearly state "PUMP COOLER".

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TANK REFILL/RECIRCULATION DISCHARGE

A discharge shall be provided from the pump discharge manifold to allow pump cooling when necessary as well as to refill the booster tank.

The water tank fill gauge shall be directly in line with this discharge control.

The valve and piping shall be 2".

The refill/recirculation discharge shall be manually controlled on the pump panel.

STAINLESS STEEL PIPING

All piping for discharges shall be stainless steel using stainless steel fittings. High pressure helix wire reinforced flexible piping with a minimum burst pressure of 1200 psi may be used in some areas to minimize friction losses. All flexible piping couplings shall be high tensile strength stainless steel.

All piping shall be properly supported and braced to prevent movement of piping other than what is allowed by the flexible couplings to compensate for apparatus flexing.

Any discharge manifolds provided on the apparatus must be fabricated of a minimum of schedule 10 304 marine grade piping. Use of any welded light gauge (less than Schedule 10) manifolding or plumbing will not be acceptable.

The stainless steel piping shall be warranted to be free from corrosion perforation for a period of 10 years following the delivery of the apparatus.

VICTAULIC COUPLINGS

Victaulic style couplings shall be used in the assembly of the pump piping system. The couplings shall allow flex in the piping and provide for a disassembly point for maintenance and repairs.

VENTED LUG CAPS AND PLUGS

All intake and discharge plugs and caps and plugs shall be vented lug type designed to relieve trapped pressure and help reduce possible operator injuries.

AKRON HD-8800 SERIES VALVES

All discharge and small diameter auxiliary intakes shall have heavy duty Akron 8800 series brass ball valves with stainless steel ball. This shall include the tank to pump and tank fill valve.

RIGHT SIDE FORWARD AUXILIARY INTAKE

An auxiliary intake shall be provided on the right side of the pump compartment in the forward position.

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The valve shall be manually controlled from the pump operator's position.

The intake shall have a 2 1/2" chrome plated female NST swivel connection with screen and a male NST chrome plated intake plug and chain.

A 3/4" bleeder/drain valve shall be provided.

LEFT SIDE FORWARD AUXILIARY INTAKE

An auxiliary intake shall be provided on the left side of the pump compartment in the forward position.

The intake valve and piping shall be 2 1/2".

The valve shall be manually controlled from the pump operator's position.

The intake shall have a 2 1/2" chrome plated female NST swivel connection with screen and a male NST chrome plated intake plug and chain.

A 3/4" bleeder/drain valve shall be provided.

RIGHT SIDE DISCHARGES

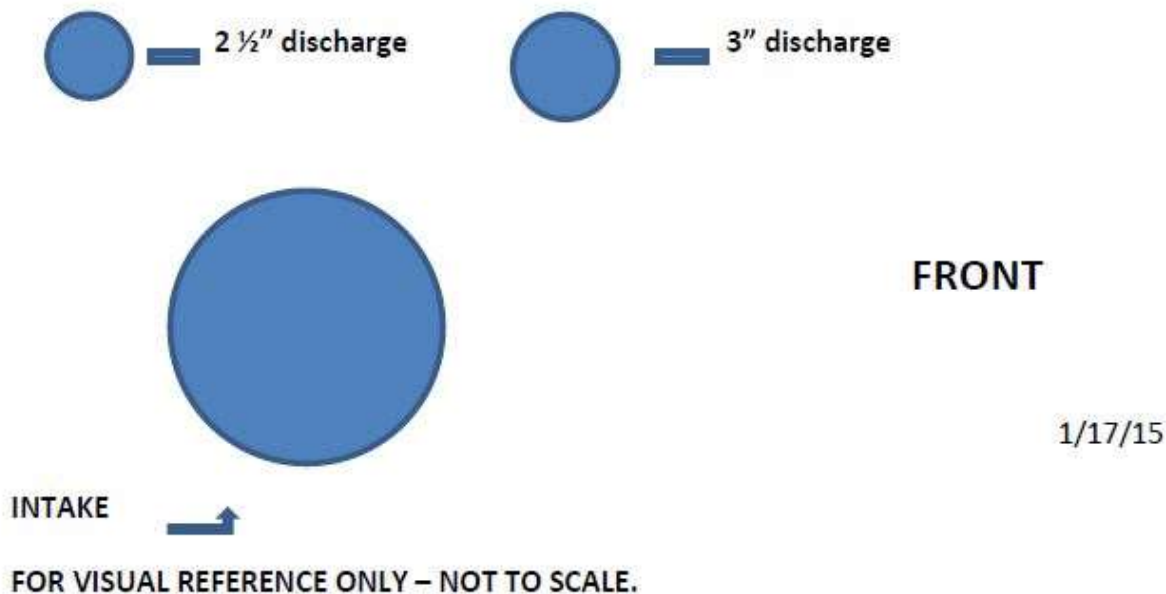
One 2 1/2" discharge and one 3" discharge shall be provided on the right side pump panel. The 3" discharge shall be located forward of the intake and the 2 1/2" shall be located rear of the intake.

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HALE Q-MAX H2-R3B-0

QW 07-00-6710

- One 2 ½" discharge rear of intake.
- One 3" discharge forward of intake



One (1) right side 2 1/2" discharge(s):

The right side 2 1/2" discharge shall be manually controlled on the pump panel.

The discharge shall be equipped with a chrome plated brass or bright finish stainless steel discharge elbow with 2 1/2" MNST thread.

A 2 1/2" chrome plated NST cap and chain shall be provided.

One (1) right side 3" discharge(s):

The right side 3" discharge shall be manually controlled on the pump panel. The control shall have an integrated slow closing mechanism to comply with NFPA 1901.

The discharge shall extend straight out of the apparatus with no elbow.

A Kochek model SKE5T3R 3" FNST x 5" locking swivel storz elbow adapter shall be provided on the right side 3" discharge(s) with a model ZCC507 5" blind cap and chain.

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LEFT SIDE DISCHARGES

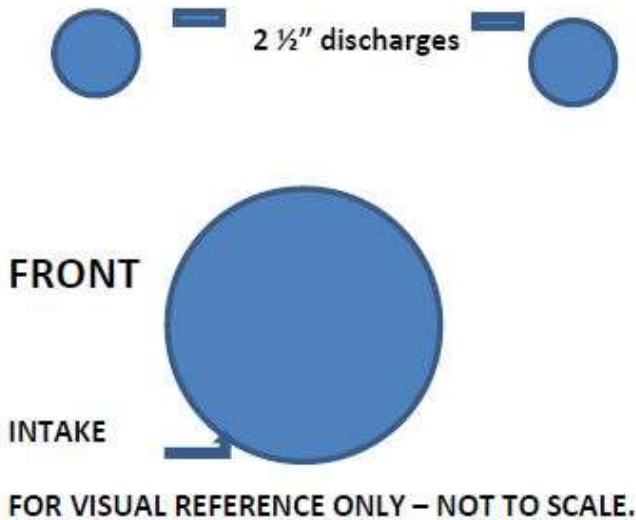
Two 2 1/2" discharges shall be provided on the left side pump panel. The discharges shall be located one forward of the intake and one located rear of the intake.

HALE Q-MAX

H2-L3A-0

QW 07-08-3500

- One 2 1/2" discharge forward of intake
- One 2 1/2" discharge rear of intake.



1/17/15

Two (2) left side 2 1/2" discharge(s):

The left side 2 1/2" discharge shall be manually controlled on the pump panel.

The discharge shall be equipped with a chrome plated brass or bright finish stainless steel discharge elbow with MNST thread.

A 2 1/2" chrome plated NST cap and chain shall be provided.

RIGHT REAR 2 1/2" DISCHARGE

One (1) 2 1/2" discharge shall be provided on the right rear of the apparatus.

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The valve shall be manually controlled on the pump panel.

A chrome discharge elbow shall be provided with 2 1/2" NST threads.

A 2 1/2" FNST x 1 1/2" MNST chrome plated reducer shall be provided on the right rear 2 1/2" discharge(s) with a 1 1/2" chrome plated cap and chain.

LEFT REAR 2 1/2" DISCHARGE

One (1) 2 1/2" discharge shall be provided on the left rear of the apparatus.

The valve shall be manually controlled on the pump panel.

A chrome discharge elbow shall be provided with 2 1/2" NST threads.

A 2 1/2" chrome plated NST cap and chain shall be provided.

1 3/4" LOW MOUNT CROSSLAY PRECONNECTS

Two 1 3/4" preconnected crosslays shall be provided and located between the chassis cab and the top mounted operator's walkway standing position.

The crosslay compartment shall be constructed of 5052 smooth aluminum sheet material with a random brushed finish applied after fabrication. Each crosslay shall be piped using 2" piping or high pressure hose incorporating a 2" valve with the control on the top mount pump operator's panel.

An aluminum treadbrite full length hinged cover shall be provided on the top of the crosslay compartment. Rubber spacer blocks shall be provided on the back of the cab to keep the cover from contacting the cab when the cover is in the raised position.

The #1 - hand line crosslay shall have the capacity to hold 200' of 1 3/4" or 2" fire hose and nozzle.

The #2 - hand line crosslay shall have the capacity to hold 200' of 1 3/4" or 2" fire hose and nozzle.

The valve(s) shall be manually controlled on the pump panel.

There shall be two (2) 2" swivel elbows with 1 1/2" male NST hose thread connections provided on the 1 3/4" cross lay hose beds. The swivels shall be mounted in a position to prevent hose "pinching" at the hose thread connection.

3/4" manual drain valves shall be provided for all 1 3/4" crosslays. The valves shall have an all brass body with heavy duty neoprene seal.

CROSSLAY COMPARTMENT ENDS - BLACK WEBBING

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The crosslay compartment shall be enclosed on each end using a heavy duty webbing to prevent hose from accidentally unloading. The webbing shall be black.

A yellow nozzle strap shall be provided for each crosslay. The strap shall be designed to loop through the nozzle handle and secured to the apparatus to keep nozzle from coming out of the crosslay compartment without manually disconnecting the nozzle strap.

The crosslay/speedlay end cover shall be secured with footman loops and velcro straps.



Footman loops may be on sides, bottom
Or combination of both depending on
Apparatus design

3" MONITOR DISCHARGE

A 3" monitor discharge shall be provided above the pump compartment. The discharge piping shall extend above the pump compartment a sufficient distance to allow use of the deck gun.

The valve shall be manually controlled on the pump panel. The control shall have an integrated slow closing mechanism to comply with NFPA 1901.

CAPPED MONITOR DISCHARGE

The monitor discharge shall be capped with a female National Pipe Thread cap for future installation of monitor assembly.

1 3/4" FRONT BUMPER DISCHARGE(S)

There shall be one (1) 1 3/4" discharge(s) provided on the front of the apparatus. Piping and valve shall be 2".

FRONT 1 3/4" DISCHARGE PIPING- STAINLESS STEEL

All piping in the front discharge shall be 2" stainless steel pipe. Heavy duty flexible hose may be used in areas that require

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a flex joint area or to clear an obstruction. Victaulic couplings shall be used throughout the piping assembly to allow for easy disassembly if necessary. All elbows used in the piping shall be smooth radius type to allow maximum flow and minimum pressure loss.

Bleeder/drain valves shall be installed in all low points in the piping.

The valve shall be manually controlled on the pump panel.

21" FRONT BUMPER EXTENSION

The front bumper shall be extended forward 21" from the chassis grille to accommodate a hose well.

FRONT BUMPER

A 12" high polished stainless steel bumper shall be provided on the front bumper extension. The bumper shall be a two-rib (top and bottom) with radius outer corners. A 2" flange shall be provided on the top and the bottom of the bumper.

This bumper will replace the bumper normally provided from the chassis manufacturer.



This pic shows several optional items.

BUMPER EXTENSION APRON

An aluminum treadbrite apron shall be provided in the area between the extended bumper and the chassis cab.

BUMPER EXTENSION HOSE WELL

A hose well shall be provided in the bumper extension. The hose well shall be designed to fit between the front bumper frame rail extensions shall be "flush" with the apron.

The hose well shall be 26" wide x 7" long x 15" depth and shall have the capacity for 100' of 1 3/4" fire hose.

The floor of the hose well shall be covered with Turtle Tile.

ALUMINUM TREADBRITE FRONT BUMPER HOSE WELL COVER - FLAT

An aluminum treadbrite cover shall be provided on the hose well to help secure the hose. The cover shall be overlapping flat style. The cover shall be secured with latches.

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FRONT BUMPER HOSE WELL FLOORING - TURTLE TILE

Turtle Tile flooring shall be provided in the hose well.

The Turtle Tile shall be black.

FRONT DISCHARGE HOSE CONNECTION

The hose connection for the discharge shall be located in the bottom of the hose well. The connection shall be angled upward slightly to prevent hose kink when in use.

The front bumper discharge shall have a 1 1/2" MNST thread connection.

PUMP COMPARTMENT

A modular pump compartment with top mounted pump operator's panel shall be provided. The modular design of the pump compartment shall allow the compartment to be fully independent of the apparatus body. A 1" flex joint shall be provided between the pump compartment and the apparatus body.

The modular design of the pump compartment shall allow the entire pump system, including the pump itself, to be removed from the apparatus in a one-piece assembly while leaving the body intact and without having to cut any sheet metal or welds.

STAINLESS STEEL PUMP COMPARTMENT CONSTRUCTION

The entire pump compartment shall be constructed using only 304 marine grade stainless steel fabricated sheeting with a #4 annealed and polished finish on all exterior surfaces. The pump compartment shall not require any finish painting. Due to the extreme twisting and flexing that all fire apparatus are subjected to, aluminum shall not be used in any portion of the pump compartment structural support. The use of any type of enclosed tubing that requires the use of self-tapping or any other type of machine screw shall not be acceptable.

TOP MOUNT PUMP OPERATOR'S WALKWAY

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An 18" wide (front to rear) pump operator's walkway shall be provided between the pump compartment and the chassis cab. A 1" minimum space shall be provided between the walkway edges, pump compartment and rear wall of the chassis.

TOP MOUNT WALKWAY LIGHTING – LED

Two LED lights shall be provided to illuminate the top mount walkway area.

WALKWAY COMPARTMENT - DRIVER'S SIDE

A compartment shall be incorporated into the walkway assembly on the driver's side of the apparatus. The compartment shall have a minimum depth of 22", and shall be a minimum of 24" wide x 18" high in the rear 13" and no less than 6" high in the forward section.

The entire step and running board assembly shall be horizontally hinged to allow complete access to the compartment. A pneumatic spring hold-open device shall be provided to hold the integrated step/door assembly open.

WALKWAY COMPARTMENT - OFFICER'S SIDE

A compartment shall be incorporated into the walkway assembly on the officer's side of the apparatus. The compartment shall have a minimum depth of 22", and shall be a minimum of 24" wide x 18" high in the rear 13" and no less than 6" high in the forward section.

The entire step and running board assembly shall be horizontally hinged to allow complete access to the compartment. A pneumatic spring hold-open device shall be provided to hold the integrated step/door assembly open.

(The right side walkway compartment dimensions may be effected by the chassis exhaust system design.)

WALKWAY COMPARTMENT FLOOR

The walkway compartment floors shall have Turtle Tile floor tiles.

WALKWAY COMPARTMENT LIGHTING – LED

An LED strip light shall be provided in the under walkway compartment(s). The light(s) shall be activated by the pump panel light switch.

INTERMEDIATE WALKWAY ACCESS STEPS

Intermediate steps shall be provided on each side of the walkway, positioned between the walkway surface and the 'runningboard' height step. The steps shall be constructed of NFPA aluminum treadbrite.

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INTERMEDIATE WALKWAY ACCESS STEPS

Intermediate steps shall be provided on each side of the walkway, positioned between the walkway surface and the 'runningboard' height step. The steps shall be constructed of NFPA aluminum treadbrite.



TOP MOUNT PUMP OPERATOR'S WALKWAY MATERIAL

The entire pump operator's walkway assembly shall be constructed of NFPA compliant slip resistant aluminum treadbrite on all stepping surfaces.

PUMP COMPARTMENT RUNNING BOARDS

The pump compartment side running boards shall be constructed of NFPA compliant slip resistant aluminum treadbrite.

PUMP HEAT PAN ENCLOSURE - ALUMINUM

An aluminum heat pan shall be provided to enclose the bottom of the pump compartment. Aluminum material shall be used to prevent rust and corrosion that is commonly found in pans made of steel. The assembly shall completely enclose the underside of the pump to aid in the prevention of freezing in winter weather. The bottom of this enclosure shall be designed to be easily removed without the need to remove any bolts or fasteners. For ease of handling, the bottom enclosures shall be installed in two sections. One section shall slide out each side for maintenance and pump compartment clean out. Drain holes shall be provided in the bottom.

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PUMP COMPARTMENT HEATER

A minimum 40,000 BTU hot water type heater shall be provided and mounted within the pump compartment. Both the feed and return coolant hoses shall be routed within the frame rails from the engine compartment to the heater in the pump compartment. Shutoff valves shall be provided in both lines and shall be located in an easily accessible location within the engine compartment. A 12 volt fan shall be provided and shall be mounted to direct heated air toward the back of the gauge panel.

A lighted switch shall be provided on cab console to activate/de-activate the heater fan.

PUMP COMPARTMENT HEATER HOSE

The pump compartment heater shall be connected to the chassis engine using Gates Green Stripe or comparable rubber heater coolant hose.

SIDE PUMP PANELS ROLL UP DOORS

A roll up door shall be provided to cover the left and right side pump intake and discharge panels. The sides of the pump compartment shall be extended to the apparatus body width.

PUMP COMPARTMENT ROLL UP DOORS - PAINTED FINISH

The roll up doors that cover the side pump panels shall be painted the single primary color of the apparatus body.

PUMP COMPARTMENT ACCESS DOOR - FRONT WALL

An easily removable aluminum treadbrite pump access door shall be provided in the front of the pump compartment. This panel shall be held in place with two latches.

PUMP COMPARTMENT SIDE ACCESS DOORS - TOP MOUNT

A brushed stainless steel hinged access door shall be provided on each side of the pump compartment. The doors shall be horizontally hinged and have pneumatic hold open devices and push button type flush latches. The doors shall be a minimum of 30" wide x 20" high.

TOP MOUNT BRUSHED STAINLESS STEEL PUMP PANEL

A rear facing top mounted pump panel shall be provided to allow simple, efficient operation of all pump functions necessary during normal operations.

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A dual level inclined pump panel shall be provided for convenient user friendly layout of the panel to simplify the operation of the apparatus. Both levels of the panel shall be sloped to provide an angled view of the panel so that the operator may read all identification labels easily.

All controls for the pump shall be identified using permanently engraved identification labels properly secured to the panel. All discharge and intake identification labels shall be color coded to NFPA 1901 recommendations with labels at the control, intake/discharge location and drain port location.

The front incline panel shall be constructed of brushed stainless steel and shall begin at the lower edge of the front panel just behind the control levers and continue back to the area which the second incline level begins.

The rear incline panel shall be constructed of brushed stainless steel and shall begin just above the pressure gauge mounting area and continue up to the top of the pump compartment. The panel shall have a full width stainless steel hinge at the bottom to allow the panel to hinge forward for access to the back of the panel. A latch shall be provided on each end to secure the panel in the closed position. A full pump panel width brushed stainless steel light shield shall be provided at the top of the gauge panel.

SIDE INTAKE/DISCHARGE PANELS - TOP MOUNT

The side panels of the pump compartment shall be constructed of brushed stainless steel. The side panels shall be easily removable and held into place using stainless steel or chrome plated flush mounted latches.

Panels that are permanently attached to the pump compartment or require removal of mechanical fasteners are not acceptable.

LED PUMP PANEL LIGHTS

The top mount pump panel shall be illuminated using a track type LED light assembly.

The light shall be constructed of an unbreakable type clear poly flexible material housed in an aluminum extrusion mounted behind a brushed stainless steel light shield shall be provided across the top of the gauge panel.

LED SIDE DISCHARGE/INTAKE PANEL LIGHTS

The right and left side discharge and intake panels shall be illuminated using a track type LED light assembly on each side.

The lights shall be constructed of an unbreakable type clear poly flexible material housed in an aluminum extrusion mounted behind a brushed stainless steel light shield provided across the top of the gauge panel.

AUTOMATIC PUMP PANEL LIGHT ACTIVATION

The pump panel lights above the pump control panel shall function automatically with the pump shift activation.

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ENCLOSED MOUNT PUMP PANEL AUXILIARY LIGHTS - L.E.D.

In addition to the horizontal LED lighting above the pump panel, the enclosed side mount pump panel shall have vertical LED track style lighting to the front and rear in the door jamb area on both sides. Four LED track style lights total.

The lights shall be constructed of an unbreakable type clear poly flexible material housed in an aluminum extrusion mounted behind a brushed stainless steel light shield provided across the top of the gauge panel.

INNOVATIVE CONTROLS TOP MOUNT CONTROL HANDLES

All top mount valve control handles shall be Innovative Controls 'locking' lever type with "T" handles. The "T" handles shall be chrome plated zinc and shall have a recessed area for the color coded identification label.

VALVE CONTROL LINKAGES

All manual valve controls requiring remote actuation shall have control rod linkages constructed of 1/2" galvanized pipe and shall implement heavy ball swivel joints and clevises for smooth valve operation.

ICI MASTER PUMP DISCHARGE PRESSURE GAUGE

An ICI 4" diameter master pressure gauge shall be provided to indicate the main pump discharge pressure. The gauge shall read from 30" hg vacuum to 400 psi and shall be accurate within +/- 1%. The gauge shall be glycerin filled (-40F to +150F) and have a high impact resistant clear acrylic lens.

ICI MASTER PUMP INTAKE PRESSURE GAUGE

An ICI 4" diameter master pressure gauge shall be provided to indicate the pump intake pressure. The gauge shall read from 30" hg vacuum to 400 psi and shall be accurate within +/- 1%. The gauge shall be glycerin filled (-40F to +150F), read up to 400 psi, be accurate within +/- 1% and have a high impact resistant clear acrylic lens.

The master intake and discharge gauges shall have bright finish bezels.

The master gauge dials shall be white with black markings. The needle shall match the color of the markings.

The master intake gauge shall be clearly labeled "PUMP INTAKE" and shall be located to the left of the master discharge pressure gauge. The label shall be burgundy color.

The master discharge gauge shall be clearly labeled "PUMP DISCHARGE" and shall be located to the right of the intake pressure gauge. The label shall be black color.

The master intake/discharge pressure gauges shall have a lifetime non-yellowing and freeze warranty. The gauges shall also be warrantied for 4 years for defects in materials and workmanship, including fluid leakage. The warranty will not

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cover labor costs and/or transportation costs.

PRESSURE/VACUUM TEST PLUGS

Underwriter's test plug adapters shall be provided for connection of pump test gauges.

INNOVATIVE CONTROLS SL PLUS TANK GAUGE - PUMP PANEL

An Innovative Controls SL Plus tank gauge shall be provided on the pump panel. The gauge shall feature a 180 degree highly visible wide view ultra-bright LED display showing the level of the booster tank.

The gauge shall have a chrome bezel.

TANK GAUGE PARK BRAKE DISABLE

The tank gauge(s) shall be disabled when the park brake is released so that the lights are not a distraction when the vehicle is in motion.

ICI DISCHARGE PRESSURE GAUGES

Unless otherwise specified, each 1 1/2" or larger discharge shall have an ICI pressure gauge. The gauge shall be glycerin filled (-40F to +150F), read from 0 - 400 psi, be accurate within +/- 1% and have a high impact resistant clear acrylic lens.

The individual discharge pressure gauges shall have a 2 3/4" diameter.

The discharge pressure gauge dials shall be white with black markings. The needle shall match the color of the markings.

The pressure gauge shall be directly in line with or adjacent to the discharge control handle for the discharge that they provide pressure readout for. **For ease of operation, this requirement must be strictly adhered to. There shall be no exception to this requirement.**

The gauges shall be clearly labeled with permanent color coded labels.

The discharge pressure gauges shall have a lifetime non-yellowing and freeze warranty. The gauge shall also be warrantied for four years for defects in materials and workmanship including fluid leakage. Warranty will not cover labor costs and/or transportation costs.

PUMP PANEL AIR HORN BUTTON

A momentary push button shall be provided on the pump panel to activate air horns.

IDENTIFICATION LABELS FOR PUMP PANEL

Innovative Controls verbiage label bezels shall be installed. The bezel assemblies will be used to identify apparatus components. These labels shall be designed and manufactured to withstand the specified apparatus service environment.

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Where required, the verbiage label bezel assemblies shall include a chrome plated panel mount bezel with durable easy to read UV resistant polycarbonate inserts featuring the specified verbiage and color coding. The UV resistant polycarbonate verbiage and color inserts shall be sub-surface screen printed to eliminate the possibility of wear and protect the inks from fading. Both the insert labels and bezel shall be backed with 3M permanent adhesive (200MP), which meets UL969 and NFPA standards.

The color scheme for the discharge and intake labels shall be per NFPA A.16.9.1

RADIO COMPARTMENT

An aluminum treadbrite radio compartment shall be provided and mounted above and behind the top mount hinged gauge panel. The compartment shall not be mounted on the panel itself. The compartment shall be 17" wide x 9" high x 9 1/2" depth and shall have a brushed stainless steel hinged door with latch. The door shall be weatherstripped to help prevent water from entering the compartment.



BOOSTER TANK- UNITED PLASTIC FABRICATING, INC.

The tank shall have a LIFETIME warranty provided by United Plastic Fabricating, Inc.

The tank exterior shell shall be constructed of minimum 1/2" thick PT3 polypropylene sheet stock. This material shall be non-corrosive stress relieved thermoplastic which is U.V. stabilized for maximum protection. The booster tank shall be of a specific configuration and is designed to be completely independent of the body and compartments. All joints and seams shall be nitrogen welded and tested for maximum strength and integrity. The tank construction shall include Poly Pro Seal technology. A sealant shall be installed between the plastic components prior to being fusion welded. This sealing method will provide a liquid barrier offering leak protection in the event of a weld compromise.

The transverse swash partitions shall be manufactured of 3/8" PT3 polypropylene material. The longitudinal swash partitions shall be constructed of 3/8" PT3 polypropylene and extend through the cover to allow for positive welding and maximum integrity. All partitions shall be equipped with vent and air holes to permit movement of air and water between compartments. The partitions shall be designed to provide maximum water flow. All swash partitions shall interlock with

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one another and are welded to each other as well as to the walls of the tank. All partition spacing shall be compliant with NFPA 1091 recommendations.

The top of the booster tank shall be fitted with removable lifting eyes.

The tank cradle assembly shall be designed to provide support to the tank. The assembly shall be approved by the manufacturer of the tank.

BOOSTER TANK CAPACITY 1,000 GALLONS

The poly booster tank shall have a capacity of 1,000 U.S. gallons.

BOOSTER TANK FILL TOWER - LEFT SIDE FRONT

The tank shall have a combination vent and manual fill tower. The fill tower shall be constructed of 1/2" polypropylene and shall be a minimum of **12" x 12"** outer dimension. The tower shall be located in the left front corner of the hose bed. The tower shall have a 1/4" thick removable polypropylene screen and polypropylene hinged type cover.

4" TANK OVERFLOW

A 4" diameter tank vent/overflow shall be provided and integrated into the tank. The piping shall be a minimum of schedule 40 polypropylene designed to run through the tank and discharge behind the rear wheels.

1" TANK SUMP DRAIN

A 1" drain shall be provided in the bottom of the tank sump to fully drain the tank. The drain shall use 1" stainless steel piping with a 1" valve.

The control for the valve shall be remotod to the driver's side of the apparatus just under and behind the side rub rail. The drain control handle shall be labeled "TANK DRAIN".

3" TANK SUMP CLEAN OUT PLUG

A 3" tank sump clean out plug shall be provided in the bottom of the tank sump.

3" TANK TO PUMP

One 3" tank to pump line(s) and valve(s) shall be provided between the tank and the pump. The piping from the sump to the valve shall be 4".

The tank to pump valve shall be manually controlled on the pump panel.

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TANK TO PUMP CHECK VALVE

A check valve assembly shall be provided on the pump. The valve shall prevent unintentional back filling of the tank through the tank to pump line. Connection from the valve to the tank shall be made by using a non-collapsible flexible rubber hose.

HOT DIPPED GALVANIZED SUB FRAME

The tank cradle and body substructure shall be constructed of high strength ASTM A-36 structural steel with 36,000 psi minimum yield strength. The entire substructure shall be framed and jig welded together to insure a truly square assembly. The substructure shall be fastened to the chassis rails so that it may be easily removed from the chassis for repair, replacement or mounting to a new chassis.

After complete assembly of the tank cradle substructure, the entire assembly shall be hot dipped galvanized for superior corrosion protection.

Due to the extreme duty that this apparatus will experience during its intended service life and to prevent rusting and corrosion from shortening the service life of this apparatus, sub frames fabricated of painted/undercoated steel or aluminum tubing shall not be acceptable.

20 YEAR SUB-STRUCTURE WARRANTY

The tank cradle and body substructure shall have a 20 warranty covering failure due to corrosion perforation or structural design error.

This warranty shall be in effect for 20 years after delivery of the apparatus to the customer. **NO EXCEPTION.**

HYPER-FLEX BODY MOUNTING

The body module assembly shall be mounted to the chassis frame rails with "*Hyper-Flex*" vibration and shock isolators using a forward mounting system. Flexible neoprene pads, or U-springs especially developed for the expected weight and torsional flexing of the apparatus body, shall be incorporated into the system to eliminate chassis frame rail flex from transmitting harmful loads and twisting onto the body.

100" BODY WIDTH

The apparatus body shall be 100" wide from side to side measuring from the rub rail mounting surface.

APPARATUS BODY MATERIAL

The entire apparatus body shall be constructed of 304 marine grade stainless steel with a #4 annealed and polished finish. The interior of the apparatus body shall not require any finish painting. The compartment interiors must be a #4 finish. Mill finish or DA sanded finish will not be acceptable.

APPARATUS BODY CONSTRUCTION

The entire apparatus body shall be formed by sheering and bending the sheet metal. Metal tubular structures or

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extrusions shall not be used in the construction of the apparatus body. All edges of the sheared metal shall be sanded to remove any sharp shearing edges prior to bending the metal. After sheering and bending, the body shall be assembled on a jig table that is designed to hold all parts securely in place to insure an accurately built apparatus body.

APPARATUS BODY ASSEMBLY METHOD

The entire apparatus body shall be assembled using only bolted type construction. All apparatus body parts shall be able to be unbolted without the need to cut welds, etc. No exceptions to this requirement as all apparatus manufacturers have the capability to manufacture apparatus bodies in this manner.

COMPARTMENT FLOORS

All compartment floors shall be constructed of 304 marine grade stainless steel with a # 4 annealed and polished finish on the interior surface. The drain ports shall be designed to prevent road spray from entering the compartment. The front edge shall consist of a minimum of two bends to provide additional strength in the compartment floor and shall then form the lower door jamb.

All compartment floors shall be sweep out design. This shall include the lower side compartments, any compartments above the wheel well, any transverse compartments, and the rear face compartment(s). Any exception to this requirement will cause immediate rejection of bid.

INTERIOR COMPARTMENT SURFACES

All visible interior compartment surfaces shall be 304 marine grade stainless steel with a # 4 annealed and polished finish. Surfaces that are painted or coated in any manner, raw material or any surface with any type sanded finish are not acceptable.

FRONT COMPARTMENT CORNERS

The apparatus body front compartment corners and vertical faces on both sides shall be constructed of 304 marine grade stainless steel with a # 4 annealed and polished finish. The corners shall be a one-piece fabrication from top to bottom and from the inner body panel to the outer face of the compartment to provide maximum strength. Corners using structural support channels or extrusions that require two or more pieces shall not be implemented.

The # 4 finish corner shall wrap around the side of the apparatus body and form the front compartment door jamb providing front corner protection.

REAR COMPARTMENT CORNERS - BRUSHED

The apparatus body rear compartment corners and vertical faces on both sides shall be constructed of 304 marine grade stainless steel with a # 4 annealed and polished finish. The corners shall be a one- piece fabrication from top to bottom and from the inner body panel to the outer face of the compartment to provide maximum strength. Corners using structural support channels or extrusions that require two or more pieces shall not be implemented.

The # 4 finish corner shall wrap around the side of the apparatus body and form the rear compartment door jamb providing front corner protection.

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COMPARTMENT TOPS/CEILINGS

The apparatus body compartment tops shall be constructed of 304 marine grade stainless steel with a # 4 annealed and polished finish on the interior surface.

COMPARTMENT TOP OVERLAY

The compartment top shall be overlaid with 1/8" aluminum treadbrite. The aluminum treadbrite shall be an overlay only and shall not form any structural part of the apparatus body or shall the bottom side of the treadbrite be visible when looking into the compartment.

PAINTED FENDERWELLS

The left and right side rear fender wells shall be constructed of stainless sheet steel. The fender wells shall be radius cut and shall have a full circular inner liner to prevent rust pockets and for ease of cleaning. A 1" gap shall be provided on the bottom of each side of the circular liner to allow drainage of water and for easy cleanout. Sufficient clearance shall be provided for tire chains. Before the booster tank is installed, the fender wells shall be thoroughly cleaned and all seams sealed to prevent corrosion in the fender well area.

PAINTED FENDERWELLS

The fender wells shall be finish painted the primary exterior color of the apparatus.

UPPER DOOR POSTS - PAINTED

The upper door post to the front and rear of the compartment door above the rear wheels shall be constructed of stainless sheet steel.

The outer surface of these door posts shall be finished painted.

REMOVABLE INNER FENDER LINER

The fender wells shall be radius cut and shall have a circular inner liner to prevent corrosion pockets and for ease of cleaning. The inner liner shall be constructed of high impact polypropylene material and shall be fully removable for chassis suspension access.

To prevent the accumulation of potential corrosive materials in the fender well area, there shall be no exception to the removable inner fender liner.

STAINLESS STEEL FENDERETTE

The fender wells shall be trimmed with a polished stainless steel fenderette. The stainless steel fenderette shall be secured into place with stainless steel fasteners and shall be easily removable for replacement. A black rubber fender welting shall be provided between the fenderette and the inner liner surface. The fenderettes shall protrude from the apparatus body a maximum of 1".

REPLACEABLE FENDERETTE

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The stainless steel fenderette shall be secured to the apparatus body with stainless steel fasteners and shall be easily removable for replacement.

Fenderettes that are welded to the apparatus body are not acceptable.

OUTER BODY SIDES

The outer left and right side body panels above the compartment tops shall be constructed of 304 2B marine grade stainless steel with a # 4 brushed finish and shall not require any finish paint.

COMPARTMENT VENTILATION

Each compartment shall be ventilated to the exterior of the body through a removable metal ventilation plate in the compartment wall or through pass through ventilation into an adjoining compartment.

A cleanable filter material shall be provided behind the plate.

Plastic cover plates will not be acceptable.

ROM SERIES IV ROLL UP COMPARTMENT DOORS

For all compartments requiring roll up doors, Robinson (ROM) Series IV roll up doors shall be installed.

Each shutter slat, track, bottom rail, and drip rail shall be constructed from anodized 6063 T6 aluminum.

The shutter slats shall feature a double wall extrusion 0.315" thick with a concave interior surface to minimize loose equipment jamming the shutter door closed. Shutter slats shall feature an interlocking end shoe to prevent side to side binding of the shutter door during operation. Slat must have interlocking joints with an inverted locking flange. The slat inner seal shall be a one piece PVC extrusion designed to prevent metal to metal contact while minimizing dirt and water from entering the compartment.

The shutter door tracks shall be one piece design with integral overlapping flange to provide a clean finished look without the need of caulk. Door tracks shall feature an extruded Santoprene rubber double lip low profile side seal with a silicone co-extruded back to reduce friction during shutter operation.

The shutter bottom rail shall be a one piece double wall extrusion with integrated finger pull. The finger pull shall be curved upward with a linear striated surface to improve operator grip while operating the shutter door. The bottom rail shall have a smooth contoured interior surface to prevent loose equipment from jamming the shutter door. Bottom rail seal shall be made from Santoprene and shall be a double "V" seal to prevent water and debris from entering compartment. The bottom rail lift bar shall be a one piece "D" shaped aluminum extrusion with linear striations to improve operator grip during operation. The lift bar shall have a wall thickness of 0.125" and be supported by no less than two pivot blocks constructed from Type 66 Glass filled reinforced nylon for superior strength. The bottom rail end blocks shall have incorporated drain holes which will allow any moisture that collects inside the extrusion to drain out.

Shutter door shall have an enclosed counter balance system. The system shall be 4" in diameter and held in place by 2 heavy duty 18 gauge zinc plated plates. The counter balance system shall have 2 over-molded rubber guide wheels to provide a smooth transition from vertical track to counter balance system; no foam material of any kind shall be permitted or used in this area.

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ROLL UP DOOR SHROUD

Roll up door schrouds shall be provided on six (6) compartment doors. The shroud(s) shall protect the roll up drum from possible damage from shifting equipment and protect the stored equipment in the compartment from water drainage of snow or rain covered doors when they have been rolled up.

STAINLESS STEEL COATED FASTENERS

All fasteners used in the finish construction of the apparatus body shall be marine grade stainless steel. Fasteners that pass through a dissimilar metal panel shall be Magna-Gard, or equal, coated to help prevent metal reaction and corrosion.

As the Magna-Gard, or equal, coating is a "baked on" type coating providing for excellent adhesion to the fastener, spray on type coatings may be used in conjunction with the Magna-Gard, or equal, but not in place of it.

Because dissimilar metal corrosion is a common occurrence on all apparatus and the Magna-Gard (or similar "baked on" coatings) fasteners are commercially available to all manufacturers and is not a proprietary product, there shall be no exception to this requirement.

DRIVER'S SIDE COMPARTMENT IN FRONT OF THE REAR WHEELS

A compartment shall be provided in front of the rear wheels. The compartment interior dimensions shall be 67" high x 59.75" wide with the lower 28" of the compartment being 26" usable depth and the remaining upper section being 14" usable depth.

The compartment shall have a roll up door which shall be painted to match the primary exterior color of the apparatus.

DRIVER'S SIDE ABOVE WHEEL COMPARTMENT

A compartment shall be provided above the rear wheels. The compartment interior dimensions shall be 37" high x 63.75" wide x 14" usable depth.

The compartment shall have roll up door which shall be painted to match the primary exterior color of the apparatus.

DRIVER'S SIDE COMPARTMENT BEHIND REAR WHEELS

A compartment shall be provided behind the rear wheels. The compartment interior dimensions shall be 67" high x 44" wide x 26" useable depth in in a portion of the lower section and the remaining upper section being 14" usable depth.

The compartment shall have a roll up door which shall be painted to match the primary exterior color of the apparatus.

PASSENGER'S SIDE COMPARTMENT IN FRONT OF THE REAR WHEELS

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A compartment shall be provided in front of the rear wheels. The compartment interior dimensions shall be 67" high x 59.75" wide with the lower 28" of the compartment being 26" usable depth and the remaining upper section being 14" usable depth.

The compartment shall have a roll up door which shall be painted to match the primary exterior color of the apparatus.

PASSENGER'S SIDE ABOVE WHEEL COMPARTMENT

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The compartment shall have a roll up door which shall be painted to match the primary exterior color of the apparatus.

PASSENGER'S SIDE COMPARTMENT BEHIND REAR WHEELS

A compartment shall be provided behind the rear wheels. The compartment interior dimensions shall be 67" high x 44" wide x 26" useable depth in in a portion of the lower section and the remaining upper section being 14" usable depth.

The compartment shall have a roll up door which shall be painted to match the primary exterior color of the apparatus.

REAR FACE COMPARTMENT

A rear compartment shall be provided on the apparatus just ahead of the rear step. The compartment shall be a minimum of 30" useable depth.

REAR COMPARTMENT HEIGHT

The rear facing compartment shall extend upward and shall be flush with the top of the booster tank to maximize the height of the rear compartment.

There shall not be a void area between the top of the rear facing compartment and the bottom of the hose bed nor shall the booster tank extend over the rear compartment.

REAR FACE COMPARTMENT DOOR - ROLL UP

The rear compartment shall have a roll up door. The door shall have a satin finish.

DRIVER'S SIDE REAR COMPARTMENT - TRANSVERSE

The driver's side compartment behind the rear wheels shall be open into the rear facing compartment (transverse).

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PASSENGER'S SIDE REAR COMPARTMENT - TRANSVERSE

The passenger's side compartment behind the rear wheels shall open into the rear facing compartment (transverse).

REAR STEP MATERIAL - NFPA ALUMINUM TREADBRITE

The rear step shall be constructed of NFPA complaint bright finish aluminum treadbrite.

18" REAR TAILBOARD STEP

The outer rear edge of the rear step shall be positioned 18" from the rear face of the apparatus. This shall include an approximate 3/4" wash out gap at the rear face of body.

RUBRAILS - BRIGHT ANODIZED ALUMINUM

Extruded aluminum rub rails shall be provided on the apparatus body sides. The rub rails shall have a bright finish with anodized coating to protect the finish. The rub rails shall be spaced from the apparatus body a minimum of 1/4" with poly spacers.

The rub rails must be bolted on to the apparatus body to allow easy replacement if damaged. Rub rails that are permanently fastened to the apparatus body by welding or any other permanent method will not be acceptable. **NO EXCEPTION WILL BE ALLOWED TO THIS REQUIREMENT.**

RUB RAIL ENDS

The rub rail ends shall be 'capped' with a high impact resistant black EPDM contoured block.

HOSE BED FLOORING

The floor of the hose bed shall be constructed of fiber reinforced Dura-Dek, or equal, material.

The top portion of each "T" cross section shall measure 1 5/8" wide x 3/16" thick with beaded ends. The vertical portion shall be 3/16" thick tapering out at the bottom to a thickness of 1/2" and have an overall height of 1". The "T" sections shall be spaced 3/4" apart to allow for drainage and ventilation.

The flooring shall then be protected with a polyurethane coating to screen out ultraviolet rays. The gray colored coating shall be baked on and include a slip resistant material.

HOSE BED - 68" WIDE

The hose bed shall be 68" wide from side to side.

HOSE BED CAPACITY

The hose bed shall have the capacity to carry the following hose load:

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HOSE BED DIVIDER(S)

There shall be two (2) hose bed divider(s) to partition off hose. The divider(s) shall be constructed of 3/16" thick aluminum plate material. The lower edge of the divider(s) shall have a two inch 90-degree bend toward one side and a 2" x 2" x 3/16" aluminum angle welded to the other side.

The divider(s) shall be adjustable by sliding in tracks which are recessed flush into the hose bed flooring, one on front and one on rear. The divider shall be held in place by two bolts on each end.

The upper rear corner of the divider(s) shall have a minimum of a 3" radius cut with a 1" aluminum rub plate.

The divider height shall be the same height as the side as the apparatus body walls.

HOSE BED BULKHEAD

A bulkhead divider shall be provided in the front area of the hose bed separating the hose bed from the tank fill tower(s).

FORWARD HOSEBED DUNNAGE AREA

The floor of the forward dunnage area shall be constructed of fiber reinforced Dura-Dek, or equal, material. The top portion of each "T" cross section shall measure 1 5/8" wide x 3/16" thick with beaded ends. The vertical portion shall be 3/16" thick tapering out at the bottom to a thickness of 1/2" and have an overall height of 1". The "T" sections shall be spaced 3/4" apart to allow for drainage and ventilation. The flooring shall then be protected with a polyurethane coating to screen out ultraviolet rays. The gray colored coating shall be baked on and include a slip resistant material.

HOSE BED COVER WITH VELCRO FASTENERS

A heavy duty vinyl coated nylon hose bed cover shall be provided to protect the hose load from the weather. The cover shall extend from the front of the hose bed to the rear and then extend downward to cover the exposed rear of the bed.

The cover shall have a double reinforced area where the cover comes into contact with the upper rear corners of the hose bed dividers. The cover shall be secured to the apparatus using Velcro on the sides and lift dots on front.

HOSE BED COVER FRONT ATTACHMENT

The front edge of the hosebed cover shall be permanently attached to the front of the hosebed area using an awning rail type assembly.

HOSE BED COVER - BLACK

The hose bed cover shall be black.

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LOW MOUNT ENCLOSED LADDER COMPARTMENT

A ladder storage compartment shall be provided on the left side of the apparatus with an access door on the rear. The compartment shall be located below the hose bed level and shall not be located above or through the booster tank. The compartment shall be located between the booster tank and the right side compartments. The door opening shall be 12" wide x 28" high.

For ease of removal and replacement with limited staffing, the compartment shall be designed to carry a 24' and 14' ladder vertically on their beams. All ladders shall be capable of being removed individually without disturbing the remaining ladders.

Storage for the 10' folding attic ladder and pike poles shall be in the upper section of the compartment.

The compartment shall be constructed of 5052 1/8" aluminum with a brushed finish. Individual slides fabricated of 5052 H32 alloy aluminum shall be provided in the compartment on both sides to allow individual storage for all ladders. The slides shall be provided with permanently attached Rodex poly slip blocks with tapered front and rear edges allow easier loading/unloading of the ladders.



LADDER COMPARTMENT DOOR

A smooth aluminum vertically hinged door with a slam-type latch shall be provided on the compartment. The latch shall be activated by a large "D" ring control. The use of lift-and-turn or small snap type latches on this door shall not be acceptable.

The door shall be covered with Chevron material.

PIKE POLE STORAGE

Storage for two straight handle pike poles shall be provided in the ladder storage compartment.

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LADDER COMPARTMENT LIGHT

An LED light shall be provided in the ladder storage compartment. The light shall be mounted just inside the ladder compartment access door and activated with an automatic door switch.

The light switch shall be incorporated into the door ajar warning system in the cab.

DUO SAFETY 24' 2-SECTION ALUMINUM LADDER

One (1) Duo Safety 900A 24' NFPA compliant two section aluminum extension ladder provided and mounted.

DUO SAFETY 16' ALUMINUM ROOF LADDER

One (1) Duo Safety model 875A 16' NFPA compliant aluminum roof ladder with folding hooks provided and mounted.

DUO SAFETY 10' ALUMINUM FOLDING ATTIC LADDER

One (1) Duo Safety 585A 10' NFPA compliant aluminum folding attic ladder shall be provided and mounted.

ENCLOSED HARD SUCTION COMPARTMENT

A compartment for hard suction shall be provided on the right side of the apparatus with an access door with 12" wide x 23 1/2" high opening on the rear. The compartment shall be located below the hose bed level and between the booster tank and the left side compartments.

The compartment shall be constructed of 5052 1/8" aluminum with individual tubular slides constructed of PVC for storage of two lengths of hard suction. Each hard suction shall be capable of being removed individually without having to disturb the remaining hard suction.

The compartment shall have a small LED light mounted just inside the door with an automatic door switch. The light shall be incorporated into the door ajar warning system in the cab.

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HARD SUCTION COMPARTMENT DOOR

A smooth aluminum vertically hinged door with a slam-type latch shall be provided on the compartment. The latch shall be activated by a large "D" ring control. The use of lift-and-turn or small snap type latches on this door shall not be acceptable.

The door shall be covered with Chevron material.

6" x 10' HARD SUCTION HOSES (2)

Two sections of 6" diameter x 10' length clear lightweight PVC hard suction hose shall be provided.

The hard suction shall be coupled long handle FNST x rocker lug MNST.

NOTE: The long handles on the FNST end shall be folding type.

The hard suction shall be Harrington brand.

6" LOW LEVEL STRAINER WITH JET

A Kocheck LL60 low level strainer with jet shall be provided. The strainer shall have a 6" FNST swivel connection.

LOW LEVEL STRAINER CARRIED PRE-CONNECTED

The mounting of hard suction hose shall allow the Kocheck low level strainer to be carried pre-connected.

COMPARTMENT SHELF TRACKS - ALUMINUM

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Four (4) sets consisting of two heavy duty aluminum adjustable tracks shall be provided in specified compartments, one for each end of shelf.

The tracks shall not be welded to the apparatus body.

DUAL COMPARTMENT SHELF TRACKS - ALUMINUM

Two (2) sets consisting of four heavy duty aluminum adjustable tracks shall be provided in specified compartments, two for each end of shelf.

The tracks shall not be welded to the apparatus body.

SHALLOW DEPTH COMPARTMENT SHELVING

There shall be eight (8) shallow depth shelves provided. The shelves shall be constructed of 1/8" smooth aluminum with a 2" upward bend on the front and rear edges.

The shelves shall have a random orbit sanded finish.

FULL DEPTH COMPARTMENT SHELVING

There shall be one (1) full depth shelves provided. The shelves shall be constructed of 1/8" smooth aluminum with a 2" upward bend on the front and rear edges.

The shelves shall have a random orbit sanded finish.

TURTLE TILE SHELF MAT

Each shallow depth shelf shall have Turtle Tile matting.

TURTLE TILE SHELF MAT

Each full depth shelf shall have Turtle Tile matting.

IMMI SMART DOCK SCBA SEAT BRACKET(S)

There shall be four (4) IMMI Smart Dock SCBA seat bracket(s) provided.

DRIVER'S SIDE FRONT OF WHEELWELL SPARE CYLINDER COMPARTMENT

A compartment shall be provided in the wheel area in front of the rear axle on the driver's side to hold three spare SCBA cylinders.

The compartment shall be injection molded high strength polyethylene designed specifically for the SCBA cylinder storage.

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The compartment shall be slanted towards the rear and have a drain port at the low point of the compartment.



DRIVER'S SIDE REAR OF WHEELWELL SPARE CYLINDER COMPARTMENT

A compartment shall be provided in the wheel area behind the rear axle on the driver's side to hold three spare SCBA cylinders.

The compartment shall be injection molded high strength polyethylene designed specifically for the SCBA cylinder storage. The compartment shall be slanted towards the rear and have a drain port at the low point of the compartment.



PASSENGER'S SIDE FRONT OF WHEELWELL STORAGE COMPARTMENT

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A storage compartment shall be provided in the wheel area in front of the rear axle on the passenger's side. The compartment shall be 18 1/2" wide in the top 4 1/2" then taper down to 4 1/2" in the lower section and shall be 18 1/4" high in the tallest portion and 25" depth.

The compartment shall have a drain port at the low point of the compartment.

OIL DRY COMPARTMENT

An aluminum oil dry compartment shall be provided and integrated into the apparatus body in the passenger's side wheel area behind the rear axle.

The compartment shall be designed to roll out of the wheel well area for dispensing oil dry material and for filling. An 8" x 8" hinged fill cover shall be provided on the top of the compartment.

A reflective stripe shall be provided on the front and rear face of the compartment.



WHEELWELL STORAGE COMPARTMENT DOORS - PAINTED

Painted access doors shall be provided on each storage compartment in the wheel well.

The doors shall be secured using chrome plated thumb lever latches.

WHEELWELL SCBA CYLINDER COMPARTMENT RETENTION STRAPS

One 1" wide loop of high visibility yellow webbing shall be installed in each wheel well spare cylinder compartment for each cylinder to be stored in the compartment. The loop(s) shall be designed to loop around the cylinder valve and help prevent the cylinder from sliding out of the compartment if the door is not latched or fails.

HOSE STORAGE RACK(S)

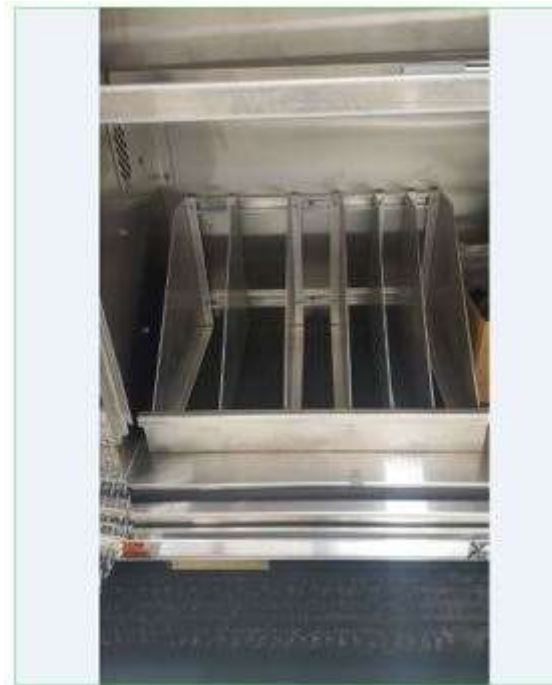
One (1) rolled hose storage rack(s) shall be provided. The rack(s) shall be 29 1/2" wide x 23" depth x 17" high on the rear tapering down to 5" on the front.

Six adjustable partitions shall be provided. The rack(s) shall be bolted into place with two stainless steel bolts to allow for

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easy removal for compartment cleaning or modifications.

The rack shall be constructed of 1/8" aluminum with a sanded finish.



PAC-TRAC MOUNTING BOARDS

There shall be two (2) PAC-TRAC mounting board(s) provided and mounted in the apparatus. The mounting boards shall be approximately 30" high x 52" wide.

ROLL OUT TRAY

There shall be three (3) roll out tray(s) provided. The tray shall be constructed of 3/16" aluminum. The tray shall have a 2" upward bent lip on all four sides of the tray.

250 lb. total capacity heavy duty ball bearing type telescoping slides shall be provided.

A positive latching mechanism shall be provided to hold the tray in either the fully open or fully closed position.

The floor of the tray shall be covered with a 3/4" black poly board for mounting miscellaneous equipment and brackets.

ROLL OUT TRAY - ADJUSTABLE

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There shall be one (1) roll out tray(s) provided. The tray shall be constructed of 3/16" aluminum. The tray shall have a 2" upward bent lip on all four sides of the tray.

250 lb. total capacity heavy duty ball bearing type telescoping slides shall be provided.

A positive latching mechanism shall be provided to hold the tray in either the fully open or fully closed position.

The tray shall be mounted on unistrut tracks to allow it to be raised up/down in the compartment.



The floor of the tray shall be covered with a 3/4" black poly board for mounting miscellaneous equipment and brackets.

ROLL OUT TRAY - SLIDEMASTER

There shall be one (1) roll out tray(s) provided. The tray shall be constructed of 3/16" aluminum. The tray shall have a 2" upward bent lip on all four sides of the tray.

Slidemaster SM3-MP 600 lb. total capacity heavy duty ball bearing type telescoping slides shall be provided. The tray shall capable of 100% extension.

An IMS spring loaded pull latch with fully open or fully closed positions shall be provided.

The tray shall have Turtle Tile matting.

The left, right, front and rear sides of One (1) tray(s) shall be extended up to a total height of 12".

FOLDING ACCESS STEPS

Austin FS-200 CHR chrome plated folding access steps shall be provided in areas listed in these specifications. All access steps provided on the apparatus shall support a minimum static load of 500 lbs. and be mounted in accordance to recommended mounting procedures as outlined by NFPA 1901. The steps shall be minimum of 6.5" wide x 6.5" depth.

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The steps shall be attached to the apparatus using stainless steel bolts with locking type nuts.

Three NFPA compliant folding steps shall be provided on the rear of the apparatus on the left side.

INTERMEDIATE HOSEBED STEP

A full width aluminum treadbrite step shall be provided on the rear face of the apparatus. The step assembly shall be bolted into place using stainless steel fasteners.

The rear intermediate step shall be 8" depth.

NFPA KNURLED FINISH HANDRAILS

All handrails shall be 1 1/4" diameter extruded aluminum "knurled finish" with chrome plated stanchions. Rubber gaskets shall be provided between the stanchions and any painted surfaces.

LEFT REAR VERTICAL HAND RAILS

An NFPA compliant handrail shall be provided on the left rear of the apparatus for boarding the rear step and using the left rear hose bed access steps.

RIGHT REAR VERTICAL HAND RAILS

An NFPA compliant handrail shall be provided on the right rear of the apparatus for boarding the rear step and using the right rear hose bed access steps.

RIGHT REAR GRAB RAIL

A 12" NFPA compliant horizontal handrail shall be provided on the right rear of the apparatus towards the rear of the hose bed.

LEFT REAR GRAB RAIL

A 12" NFPA compliant horizontal handrail shall be provided on the left rear of the apparatus towards the rear of the hose bed.

INTERMEDIATE REAR HORIZONTAL HAND RAIL

An intermediate horizontal handrail shall be provided on the rear of the apparatus.

NFPA 1901 CERTIFIED 12 VOLT ELECTRICAL SYSTEM

The 12-volt apparatus body electrical system shall be provided and shall be in compliance with NFPA 1901 testing and certification procedures as follows:

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NFPA MINIMUM ELECTRICAL LOAD DEFINITION

The NFPA 1901 defined minimum electrical load shall consist of the total amperage required to simultaneously operate the following in a stationary mode:

- Propulsion engine and transmission.
- The clearance and marker lights.
- Communication equipment (5 amp default).
- Illumination of all walking surfaces, the ground at all egress points, control and instrumentation panels and 50% of total compartment lighting.
- Minimum warning lights required for "blocking right of way" mode.
- The current to simultaneously operate a fire pump and all specified electrical devices.
- Anything defined by the purchaser, in the advertised specifications, to be critical to the mission of the apparatus.

RESERVE CAPACITY TEST

A Reserve Capacity Test shall be performed on the completed apparatus. All items listed in NFPA Minimum Load Definition shall be activated with the engine shut off. After 10 minutes of operation, those items shall be deactivated. After deactivation, the battery system shall have ample reserve to start the engine.

ALTERNATOR PERFORMANCE TEST AT IDLE

An "alternator performance test at idle" test shall be completed. The minimum continuous electrical load shall be activated with the engine running at idle speed. When the engine temperature has been stabilized at idle speed, the battery system shall be tested to detect any battery discharge current.

ALTERNATOR PERFORMANCE TEST AT FULL LOAD

An "alternator performance test at full load" test shall be completed. The minimum continuous electrical load shall be activated with the engine running up to the engine manufacturer's governed speed for a 2 hour period.

TEST CONDITIONS

All electrical testing shall be performed with the engine compartment at approximately 200 degrees.

12-VOLT WIRING SYSTEM

All 12-volt electrical wiring shall be SXL cross link rated to carry 125% of the maximum current for which the circuit is protected. The wire shall be of sufficient size so that voltage drop in any electrical device does not exceed 10%. All wiring shall be color, number, and function coded with the number and function being printed every 3" along the entire length of all apparatus body wires (as required by NFPA 1901). All wiring shall be routed through heavy duty PVC split loom securely attached and protected against heat, oil, and physical damage. All locations where the wire passes through a body panel shall be protected with electrical grommets.

All connections shall be made using mechanical connectors and be screwed to terminal or junction box with machine screws. Wire nut, insulation displacement, or piercing connections shall not be used.

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All circuits shall be provided with properly rated low voltage over current protective devices of the automatic reset type.

Removable access panels shall be provided to provide access to the wire and electrical components.

MULTI-PLEXED ELECTRICAL SYSTEM

The apparatus body electrical system shall incorporate a Multiplexed Electrical System. The multiplex system shall consist of all solid-state components contained inside aluminum extrusions referred to as nodes. Each node shall consist of (24) output channels and (24) input channels. All inputs and outputs will be configured into an electrical harness utilizing Deutsch connectors. The nodes must be waterproof and not require special mounting requirements.

The system, at a minimum, shall be capable of performing the following functions: load management sequencing, switch loads, receive digital and analog signals, perform and report diagnostics, continuously report vehicle status and the system is expandable.

Placement of nodes throughout the apparatus enables a reduction in wire harness bundles, elimination of redundant harnesses and separate circuit boards, relay and circuit breakers, electrical hardware, separate electrical or interlock subsystems and associated electronics for controlling various electrical loads and inputs. The multiplex system shall be field re-programmable and re-configurable by any authorized dealer or service center. This complete system shall eliminate the need for the following separate components or devices: load manager, load sequencer, warning lamp flasher, door open notification system, interlock modules, separate volt meter and ammeter.

The Base System Shall Include:

- Total Load Management
- Load Shedding Capabilities
- Load Sequencing Capabilities
- "On-Board" Diagnostics Readout
- Very Reliable, Solid-State Hardware
- Error Reporting
- Continuous system monitoring and reporting
- Emergency warning lamp flasher
- Door Ajar System
- Field Configurable
- Expandability Capabilities
- Advanced PC Diagnostics

As-built wiring harness drawings and a master circuit list of electrical circuits that the apparatus builder installs shall be furnished in the delivery manuals. These schematics must show the electrical system broken down into separate functions, or small groups of related functions. Schematics shall depict circuit numbers, electrical components, harnesses, and connectors from beginning to end. **A single drawing for all electrical circuits installed by the apparatus builder shall not be accepted.**

V-MUX VFD DISPLAY PANEL

An interface display shall be provided on the center console just above the switch panel to report and display "Real Time"

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data.



DIGITAL 'DOOR OPEN' INDICATOR

The VFD display shall indicate which individual door or doors are open using alpha-numeric symbols (letters and numbers). For example, if the driver front compartment door is open, the display shall read "DRIVER FRONT COMPARTMENT DOOR".

Any system that does not indicate individual open doors and/or provides 'door open' indication using a single visual or audible alarm to represent all apparatus doors will not be acceptable.

VMUX WARRANTY

The VMUX multiplexed electrical system shall be warranted, under normal use and service, for a period of four years. One year parts and labor and the remaining three years parts only.

AUTOMATIC HIGH IDLE FUNCTION

An automatic high idle system shall be installed and will activate whenever the system voltage drops below a determined voltage. The high idle will remain on until adequate voltage is achieved.

REAR LICENSE PLATE LIGHT/BRACKET

A chrome plated LED license plate light shall be provided on the rear of the apparatus.

A license plate mounting bracket shall be provided that spaces the license plate away from the apparatus body.

CLEARANCE LIGHTS/REFLECTORS

All apparatus body clearance lights shall be LED style. All lower clearance lights and reflectors shall be mounted in a manner that provides protection from damage, and shall comply with FMVSS-108 regulations.

MID-MOUNTED SIDE TURN SIGNAL - LED

An amber LED side turn signal shall be provided in the mid-section area of the apparatus on both sides.

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LED PUMP COMPARTMENT LIGHTS (2)

Two LED compartment lights shall be provided to illuminate the pump compartment.

The lights shall function with the pump operator's gauge panel lights.

ENGINE COMPARTMENT LIGHT - LED

An LED light shall be provided and mounted over the engine on the engine compartment wall. An on/off switch shall be provided on the light to activate it.

DUAL TRACK TYPE LED COMPARTMENT LIGHTING

Each apparatus body compartment shall have two track type LED lights vertically mounted in the compartment. The lights shall be constructed of an unbreakable type clear poly type flexible material housed in an aluminum extrusion.

A compartment that is considered a 'full height' compartment shall each have two 48" long light sections and a 'low height' or above wheel compartment shall each have two 18" long sections.

The lights shall function automatically and independently of other compartments when the compartment door is opened. **Compartment lighting systems that are controlled by a single, dash mounted switch are not acceptable.**

COMPARTMENT LIGHT SWITCHES

Each hinged apparatus body door compartment shall have a magnetic style reed indicator switch.

Each roll up door shall have an integral door open indicator magnet in the lift bar. If the bar is not properly closed, it shall activate the "Door Open" light in the cab.

The compartment lights shall function automatically when the door is opened. A master compartment light switch shall not be acceptable.

DOOR AJAR INDICATOR - LED

A red LED flashing light shall be provided in clear view of the driver to warn of an open compartment or personnel door.

A label shall be provided that states "Do Not Move Apparatus When Light Is On".

AUDIBLE DOOR AJAR INDICATOR

In addition to the flashing door ajar indicator, an audible alarm shall be provided in the cab to warn of an open compartment or personnel door.

DOOR AJAR INDICATOR PARK BRAKE DISABLE

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All apparatus body door ajar indicators shall be disabled when the park brake is set.

PERIMETER GROUND LIGHTING five (5)

There shall be five (5) 4" diameter underbody LED perimeter lights furnished and installed. The lights shall have an unbreakable polycarbonate lens and housing. The lights shall be sealed to help prevent moisture entry.

The ground lights shall be activated with the parking brake.

LED APPARATUS BODY STEP LIGHTING

All apparatus steps and running boards shall be illuminated using chrome plated or stainless steel LED lights. The lights shall function automatically with the park brake.

GROUND/STEP LIGHTING CUTOFF SWITCH

A ground/step light cut off switch shall be provided in the cab to allow the driver to disable the ground lights and other lights that activate when the parking brake is set. The switch shall automatically re-set itself when the parking brake is released.

KUSSMAUL LPC40 BATTERY CHARGER

A Kussmaul LPC40 fully automatic battery charger with 40 amp output shall be installed on the apparatus. Remote voltage sensing shall be provided to compensate the charger output for the voltage drop in the charging wires.

A 15 amp DC auxiliary output circuit shall be provided on the charger.

110 VOLT SHORELINE CONNECTION IN CAB

There shall be one (1) duplex 110 volt shoreline connection(s) provided in the cab for charging accessory items.

110 VOLT SHORELINE CONNECTION IN COMPARTMENT

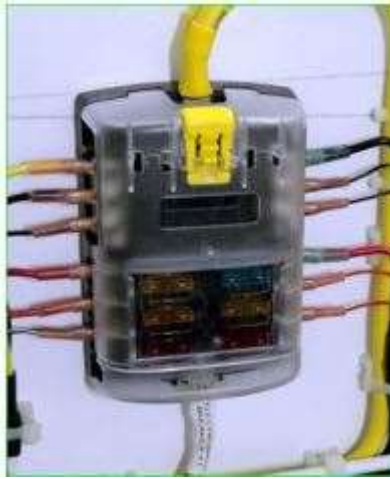
There shall be two (2) duplex 110 volt shoreline connection(s) provided in the apparatus body compartment(s) for charging accessory items.

12 VOLT ACCESSORY CONNECTION IN COMPARTMENT

A 12 volt accessory connection shall be provided in (3) apparatus body compartment(s) for charging accessory items.

A distribution panel shall be provided at the mounting location. The panel shall provide up to six 5 amp individually fused connection points. The panel shall be powered from the main apparatus electrical system and shall include a 30 amp master breaker.

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AUTO-EJECT SHORELINE CONNECTION - BAR GRAPH DISPLAY

A Kussmaul 20 amp 120-volt Super Auto-Eject with bar graph charge display shall be provided. The unit shall automatically eject the connecting plug when the engine is cranked.

The connection shall be located under the driver's door.

AUTO-EJECT COVER - YELLOW

The Auto-Eject shall have a spring loaded cover yellow in color.

AUTO-EJECT MATING PLUG

A NEMA 5-20P mating female cord end shall be shipped loose with the apparatus to allow the Fire Department to connect the cord end to a Fire Department provided charging cord.

WHELEN C6 QUAD-CLUSTER TAILLIGHTS - LED

Whelen C6BTT LED taillights, C6T LED turn signals and a C6BU clear backup lights shall be provided.

A PLASC4V chrome plated trim housing shall be provided, one each side for mounting the tail lights, turn signal lights, backup lights and warning lights.

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BACKUP LIGHTS PARK FUNCTION

The backup lights shall automatically activate when the park brake is set to provide work lighting at the rear of the apparatus.

BACKUP ALARM

One (1) 97db backup alarm(s) shall be provided and shall automatically activate when the apparatus transmission is placed into reverse.

The backup alarm(s) shall exceed all NFPA1901 and SAE J994 Type D requirements and testing.

CONSOLE MOUNTED CONTROL PANEL

A control console shall be provided between the driver's and officer's seats for all warning/auxiliary light controls and pump shift.

WARNING LIGHT SWITCH - SINGLE

A single master optical warning device switch shall be provided that will activate all minimum optical warning lighting through a single switch. Individual switches shall not be provided for any minimum optical warning lighting to insure total compliance to the warning lighting requirements defined in NFPA 1901. All lighting controlled by this switch shall not be subject to load management.

Any warning lights that are installed on the apparatus that are not required to meet the minimum optical warning lighting requirements shall be subjected to load management and shall have individual switches to activate/de-activate the warning light.

All switches shall be clearly labeled as to their function.

CENTER CONSOLE MAP POCKET

A 16" long (side to side) x 2 3/4" wide (front to rear) and 8" depth storage pocket shall be provided on the rear of the

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console for storing books, maps, etc. The pocket shall be constructed of aluminum treadbrite.

CENTER CONSOLE CONSTRUCTION MATERIAL

The console shall be constructed of aluminum treadbrite.

CENTER CONSOLE PANEL MATERIAL

The console panel shall be constructed of brushed stainless steel.

ZONE A UPPER WARNING LIGHTING

A Whelen F4N0QLED lightbar shall be mounted on the top of the cab roof. The lightbar shall be 60" in length and mounted with low profile stainless steel brackets.

The left side of the lightbar shall have one red end LED, one red corner LED and two front linear LED's (one red and one clear). The right side of the lightbar shall have one blue end LED, one blue corner LED and two front linear LED's (one blue and one clear).

The lenses on the Officer's and Driver's shall be clear.

ZONE C UPPER WARNING LIGHTING

Two Whelen R316RRF red (clear lens) and R316BBF blue (clear lens) Roto-Beam Super LED beacons shall be provided on the rear.

The right side light shall be red and the left side shall be blue.

WHELEN C6 SUPER MAX LED LOWER ZONE A WARNING LIGHTING

Two Whelen C6 Super Max LED light heads shall be mounted in the grille area on the apparatus. Both shall have clear lenses. One light shall be a C6LRC red and one shall be a C6LBC blue.

C6FC chrome trim housings shall be provided.

The Driver's side light shall be blue and the Passenger's side shall be red.

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INTERSECTION WARNING LIGHT - SIDES

One Whelen ION Mini T TLM12J split red/blue LED light shall be provided on each side as low and far forward as possible on the apparatus.

TIONMFC chrome trim housings shall be provided.

MID-SECTION WARNING LIGHTS - SIDES

One Whelen TLM12J ION Mini T split red/blue LED light shall be provided on each side in the mid-section of the apparatus.

TIONMFC chrome trim housings shall be provided.

SIDE FACING LOWER REAR WARNING LIGHTS

One Whelen TLM12J ION Mini T split red/blue LED light shall be provided shall be provided on each side of the apparatus as low and as far rearward as possible on the apparatus.

Two (2) TIONMFC chrome trim housings shall be provided.

WHELEN C6 SUPER MAX LED LOWER REAR WARNING LIGHTS

Two Whelen C6 Super Max LED light heads shall be mounted on the rear of the apparatus in a low position. Both shall have clear lenses. A C6FC chrome bezel shall be provided around the lights.

C6FC chrome trim housings shall be provided.

The Driver's side light shall be blue and the Passenger's side shall be red.

WHELEN TAL65 TRAFFIC ADVISOR

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A Whelen TAL65 36" 6 lamp LED directional traffic advisor shall be provided and mounted on the rear of the apparatus. The advisor shall be subject to load management shedding to comply with NFPA 1901.

A Whelen TACTL5 controller shall be provided for the Traffic Advisor.



The control head shall be mounted using the standard bail strap mounting bracket provided.

DIRECTIONAL LIGHT MOUNTING - INTERMEDIATE STEP

The arrowstick/advisor shall be either recessed into or mounted under the rear intermediate step.

WHELEN 295SLSA1 SIREN

A Whelen 295SLSA1 siren shall be provided and mounted in the cab.

Siren certifications, etc.

FEDERAL SIGNAL DYNA-MAX ESFMT-EF 100 WATT SPEAKER

A Federal Signal ESFMT-EF 100 watt speaker shall be provided and mounted in the front bumper area.

A stainless steel grille cover shall be provided.

FEDERAL SIGNAL Q2B-P MECHANICAL SIREN

A Federal Signal Q2B-012PSD pedestal mounted chrome plated mechanical siren shall be provided and mounted on the front bumper extension. The siren shall have a maximum sound output of 123 decibel at 10'.

FEDERAL Q LEFT (DRIVER) SIDE

The Q siren shall be located on the left (driver's) side of the bumper extension.

MECHANICAL SIREN ACTIVATION SWITCH

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A single dash or console mounted push button switch shall be provided to operate the siren.

MECHANICAL SIREN BRAKE

A siren brake push button switch shall be provided on the dash or console.

Q SIREN INTERLOCKS

The Q siren control shall be interlocked so that it will not function with the parking brake set. Additionally the E-master switch must be on for the siren to function.

WHELEN M9LZC LED SCENE LIGHTS

Six Whelen M9LZC 9" x 7" LED scene lights shall be provided and mounted two on each side and two on the rear.

M9LZC chrome trim housings shall be provided.

SCENELIGHT MOUNTING

Aluminum treadbrite mounting boxes shall be provided on the apparatus for side scenelights, rear warning lights and other items that may be mounted in this area.

The rear facing scenelights shall be surface mounted on the rear.

12 VOLT SCENE LIGHT ACTIVATION SWITCHES (3)

Three switches shall be provided to activate the 12 volt scene light(s). The driver's side lights, passenger's side lights and the rear lights shall each be individually switched. The switches shall be located on the cab control console.

DUAL FUNCTION REAR SCENE LIGHT(S)

The rear facing scene light(s) shall activate automatically when the apparatus transmission is placed into reverse.

FRC SPECTRA MAX LED TELESCOPING LIGHT - 12 VOLT

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Two (2) Fire Research model SPA540-Q28 top raising telescoping light(s) shall be mounted on the apparatus. The light head shall be 12 volt LED and shall draw a maximum of 19.2 amps creating 28,000 lumens.

The telescoping pole shall be constructed of heavy wall anodized tube. The pole shall be secured in any raised position with a non-directional advanced twist lock locking device. The twist lock mechanism shall have a knurled positive grip.

The light(s) shall be electrically tested so that they are safe for their intended use. The light(s) shall be certified by Underwriters Laboratories (UL) and shall meet/exceed NFPA 1901.

The light head shall be black.

The telescoping light(s) shall be equipped with a FRC "ON" switch on the light head(s).

The telescoping light(s) shall be equipped with a FRC "TW" retractile coil cord out of the light head.

The telescoping light(s) shall be mounted at the pump panel.

WHELEN PIONEER BROW LIGHT - 12 VOLT

One (1) Whelen Pioneer PCH2 dual brow light(s) shall be mounted on the apparatus. The lighthouse(s) shall be a 150 watt 12 volt LED and shall draw 12.8 amps each.

A PBA0127/130 brow mounting bracket shall be provided.

OBSERVATION SYSTEM DISPLAY

An ASA Voyager observation system shall be provided on the apparatus. The system shall include a VOM718 7" flat panel color display.



A VCMS20 color camera shall be provided and mounted on the rear of the apparatus.

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A VCMS50CMR color camera with chrome finish shall be provided and mounted on the right side of the apparatus.



A VCMS50CML color camera with chrome finish shall be provided and mounted on the left side of the apparatus.

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BACKUP CAMERA - ADDITIONAL DISPLAY

An additional exterior display shall be provided and properly connected to the camera system.

FIRE HELMET MOUNTING

The end user of the apparatus shall be responsible for insuring that all helmets are either stored in an exterior compartment or a securely mounted to NFPA 1901 standards inside the cab.

PAINT PROCEDURE - PPG DELFLEET BASE COAT/CLEAR COAT

All interior compartment surfaces shall remain # brushed stainless steel. There shall be no paint or any other type of coating on the interior compartment surfaces. Standard mill finish, DA finish or swirled finish shall not be accepted.

Any exterior surfaces that are to be painted shall be individually listed in the apparatus body portion of this specification.

All seams or flanges on the apparatus body shall be caulked or properly sealed to prevent moisture accumulation in flanged areas.

PPG CERTIFIED 10 YEAR LIMITED PAINT WARRANTY

The apparatus body exterior finish paint shall have a 10 year limited warranty. The warranty shall be certified by the manufacturer of the paint. Documentation of this shall be provided to the end user. Any warranty that is extended by the apparatus manufacturer and not backed by the paint manufacturer will not be acceptable.

PPG Commercial OEM Product Warranty Coverage:

Warranty Inclusions:

- Delamination of the topcoat and/or other layers of paint.
- Cracking or checking due to failure of the product.
- Excessive loss of gloss caused by cracking, checking and hazing.

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Warranty Exclusions:

- Paint deterioration caused by blisters, bubbles, flaking or other degradation due to rust or corrosion originating from the substrate.
- Hazing, chalking or loss of gloss caused by improper care, abrasive polishes, cleaning agents, heavy-duty pressure washing, or aggressive mechanical wash systems.
- Paint deterioration caused by abuse, scratches, chips, gloss reduction, accidents, acid rain, chemical fallout, road treatment materials/chemicals or acts of nature.
- Any paint that was not applied by Toyne, Inc.
- Claims presented without proper Warranty documentation.
- Failure on finishes performed by Non-PPG Commercial Certified Technicians.
- Failure on finishes due to inadequate film builds.
- Failures due to improper cleaning or surface preparation or failure to follow the product use instructions.

THESE ARE THE ONLY WARRANTIES THAT PPG MAKES, AND ALL OTHER EXPRESSED OR IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATIONS, ANY WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR USE, ARE DISCLAIMED BY PPG.

ELECTROLYSIS CORROSION CONTROL

The apparatus shall be assembled using ECK or electrolysis corrosion control, on all high corrosion potential areas, such as door latches, door hinges, trim plates, fenderettes, etc. This coating is a high zinc compound that shall act as a sacrificial barrier to help minimize electrolysis and corrosion between dissimilar metals. This shall be in addition to any other barrier material that may be used.

SINGLE COLOR APPARATUS BODY PAINT

The apparatus body shall have a single color non-metallic paint scheme.

APPARATUS BODY UNDERCOATING

The apparatus body shall be undercoated after assembly is completed. A bituminous based automotive type undercoat shall be used. Care shall be taken to avoid undercoat application to items that would hinder normal maintenance.

COMPARTMENT INTERIORS - BRUSHED STAINLESS FINISH

The compartment interiors shall be brushed stainless steel # 4 finish. The brushed finish shall be as provided by the manufacturer of the material.

Interiors with any type of paint, sprayed-on coatings, DA finish, or standard "mill finish" will not be acceptable.

TIRE PRESSURE VISUAL INDICATOR - SINGLE AXLE

Real Wheels RWTG1234 valve stem mounted visual indicators shall be provided on each tire. The LED indicators shall flash when the tire pressure drops 8 psi.

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SMART GOLD ENCAPSULATED LETTERING

A maximum of sixty (60) 4" maximum height Smart Gold simulated gold leaf, Mylar encapsulated, self-adhesive lettering with black outline and drop shadow shall be applied to both sides of the chassis cab.

The exact type style, wording and placement of the lettering will be provided to the successful bidder at the pre-construction conference.

4" NFPA REFLECTIVE STRIPE

A 4" reflective stripe shall be applied to the apparatus. The stripe shall be applied to a minimum of 50% of the length of the apparatus on each side and 25% across the front of the apparatus. The stripe shall comply with NFPA 1901 requirements.

PRIMARY REFLECTIVE STRIPE COLOR - BLACK

The primary reflective stripe shall be 680-85 black.

REFLECTIVE STRIPE - HORIZONTAL

The reflective stripe shall be applied in a straight horizontal line from front to rear. The height of the stripe on the chassis cab and the body shall be as close as possible.

INNER CAB DOOR REFLECTIVE STRIPING - 4 DOOR

A minimum of 100 square inches of reflective material shall be provided on the inner door liner of each cab door.

REAR CHEVRON STRIPING

A minimum of 50 percent of the rear vertical surface of the apparatus shall be covered with 6" alternating red and fluorescent yellow retro-reflective striping. The striping shall slope downward away from the centerline of the apparatus at a 45-degree angle.

The retro-reflective material shall conform to the requirements of ASTM D 4956 "Standard Specification for Retro-Reflective Sheeting for Traffic Control", Type I or better.

OUTSIDE AIR INTAKE CONNECTION

A quick release outside air intake connection shall be provided near the driver's door for shoreline air intake to maintain air system build-up. The air connector shall be compatible with either a Milton 783, Parker Hannifin 2C or Meyers 54-401 connector.

OUTSIDE AIR INTAKE CONNECTION

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A quick release outside air intake connection shall be provided near the driver's door for shoreline air intake to maintain air system build-up. The air connector shall be compatible with either a Milton 783, Parker Hannifin 2C or Meyers 54-401 connector.

ENGINE HORIZONTAL EXHAUST

Shielding shall be provided between the apparatus body and the exhaust pipe if necessary to deflect heat away from the body. The exhaust system shall be designed and installed to comply with EPA equipment requirements and shall not be modified.

CAB ENTRY STEP COVER

The OEM provided cab entry step on the side opposite the fuel tank shall be removed from the chassis provided brackets and replaced with a fabricated aluminum treadbrite step assembly.

FUEL TANK/STEP COVER

The OEM provided cab entry step on the same side as the fuel tank shall be removed from the chassis provided brackets and replaced with a fabricated aluminum treadbrite step assembly.

REAR MUD FLAPS

Heavy duty black rubber mud flaps shall be provided on the rear wheels. The mud flaps shall be attached to the apparatus in the rear wheel well area using heavy duty stainless steel retention straps that are secured into place using stainless steel fasteners.

FRONT/REAR AXLE NUT COVERS AND BABY MOONS

The front and rear axles shall have stainless steel nut covers and baby moons.

ON-SPOT AUTOMATIC TIRE CHAINS

An On-Spot automatic tire chain system shall be provided and properly mounted on the rear axle of the chassis. The control for the system shall be located in the chassis cab within reach of the driver. A "chain system engaged" light shall be provided in close proximity to the control.

FRONT BUMPER EXTENSION

The front bumper shall be extended forward 21" to 24" from the chassis grille depending upon space necessary.

LIGHTED FRONT BUMPER GUIDES

Lighted bumper guides shall be provided on each side of the front bumper. The guides shall have a bright finish and

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capped with an amber LED indicator. The lights shall be wired to the chassis marker light system.

REAR PULLING EYES

Two rear 3/4" CRS pulling eyes shall be provided under the rear tailboard. The eyes shall have a minimum of a 3" clear opening for passing chains through the eye.

The power feed shall be located in the center console.

12 VOLT 'IGNITION HOT' RADIO POWER FEED(S)

One (1) 12 volt 'ignition hot' power feed wire(s) shall be provided in the cab for customer supplied and installed radio equipment. 48" of wire shall be provided to allow the installer to trim to required length.

RADIO ANTENNA MOUNTING(S)

Two (2) radio antenna base mount(s) shall be provided and mounted for customer installation of radio antenna and related equipment.

The mount shall be a Motorola 3080384M48 3/4" thin wall mount with 17' of RG58A/U cable.



The radio antenna wire shall be routed to the center console.

BATTERY DANGERS LABEL - FAMA01

A permanent label shall be provided near the battery location that warns of potential injury or death that could be caused by the batteries. The label shall also state precautions that should be taken while working on or around the batteries.

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ROTATING SHAFTS DANGER LABEL - FAMA02

A permanent label shall be provided on each side of the frame rail and in any other location(s) where rotating shaft hazards are apparent. The label shall warn of potential injury or death that could be caused by the movement of the shaft(s) as well as precautions that should be taken while working on or around them.

HOT SURFACE DANGERS LABEL - FAMA03

A permanent label shall be provided near any hot surface that warns of potential injury or death that could be caused by contact with the surface. The label shall also state precautions that should be taken while working on or around the surface.

HOT EXHAUST DANGERS LABEL - FAMA04

A permanent label shall be provided near any hot exhaust surface that warns of potential injury or death that could be caused by contact with the surface. The label shall also state precautions that should be taken while working on or around the surface.

SPINNING ENGINE FAN DANGER LABEL - FAMA05

A permanent label shall be provided on both sides of the engine fan. The label shall warn of potential injury or death that could be caused by the movement of the fan as well as precautions that should be taken while working on or around them.

SEATED AND BELTED WARNING LABEL - FAMA07

A permanent label shall be provided that is visible to all occupants that states that they should be seated and belted while the apparatus is in motion. The label shall also state potential injuries or death that could be caused if the safety belts are not used properly.

AIR CONDITIONING REFRIGERANT WARNING LABEL - FAMA09

If the apparatus is equipped with any type of air conditioning system, a permanent label shall be provided that is located in an area that would be visible to service personnel. The label shall state that the system contains R134A, the necessary precautions that should be taken and the dangers of working on or around the system.

CAB INTERIOR EQUIPMENT MOUNTING DANGER LABEL - FAMA10

A permanent label shall be provided inside of the cab warning of the dangers of unsecured equipment inside the cab. The label shall state that all equipment shall be properly secured and also warn of potential injury or death that could be caused by failing to do so.

SCBA SEAT DANGER LABEL - FAMA11

If the apparatus is equipped with SCBA seats in the cab, a permanent label shall be provided inside of the cab warning of the dangers of using the seat without the SCBA properly secured or seat insert in place. The label shall warn of potential

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injury or death that could be caused by improper use of the seat.

FIRE SERVICE TIRE RATING LABEL - FAMA12

A permanent label shall be provided inside of the cab in view of the driver while entering the cab warning of the dangers of improper use of the tires on the apparatus. The label shall also warn of potential injury or death that could be caused by improper tire use or condition.

ELECTRONIC STABILITY CONTROL LABEL - FAMA13

If the apparatus is equipped with an electronic stability control system, a permanent label shall be provided inside of the cab in view of the driver warning of the dangers of improper operation of the apparatus and the importance of safe driving. The label shall also warn of potential injury or death that could be caused by improper operation of the apparatus.

MAXIMUM OCCUPANCY LABEL - FAMA14

A permanent label shall be provided inside of the cab in view of the driver stating the maximum number of personnel that can ride in the apparatus. The label shall also warn of potential injury or death that could be caused by exceeding the stated capacity.

DO NOT WEAR HELMET LABEL - FAMA15

A permanent label shall be provided inside of the cab in view of all seated positions stating that helmets should not be worn in cab. The label shall also warn of potential injury or death that could be caused by wearing helmet in cab.

VEHICLE BACKING LABEL - FAMA17

A permanent label shall be provided inside of the cab in view of the driver advising of proper procedures to following when the apparatus is in reverse motion. The label shall also warn of potential injury or death that be caused by failing to follow proper procedures.

INTAKE/DISCHARGE CAP PRESSURE LABEL - FAMA18

A permanent label shall be provided in all areas that intakes and discharges are capped. The label shall give instruction on how to properly remove the cap. The label shall also warn of potential dangers, injury or death that be caused by failing to follow proper cap removal procedures.

HOSE RESTRAINT LABEL - FAMA22

A permanent label shall be provided near any hose storage area. The label shall instruct the operator to insure that all hose is properly secured prior to placing the apparatus in motion and to provide warning of potential dangers, including injury or death, in failing to do so.

ACCESS STEPS/LADDER LABEL - FAMA23

A permanent label shall be provided at any area of the apparatus where personnel will be boarding or exiting the

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apparatus. The label shall instruct the operator in the proper method of climbing into or onto the apparatus as well as exiting and provide indication of potential injury or death that could occur in failing to do so.

DO NOT RIDE ON REAR STEP WARNING LABEL - FAMA24

A permanent label shall be provided at the rear step area stating that riding in this area while the vehicle is in motion is prohibited and shall warn of the potential dangers, including injury or death, in doing so.

DO NOT RIDE IN WALKWAY WARNING LABEL - FAMA24

A permanent label shall be provided in the walkway/crosswalk stating that riding in this area while the vehicle is in motion is prohibited and shall warn of the potential dangers, including injury or death, in doing so.

DO NOT RIDE IN WALKWAY WARNING LABEL - FAMA24

A permanent label shall be provided in the walkway/crosswalk stating that riding in this area while the vehicle is in motion is prohibited and shall warn of the potential dangers, including injury or death, in doing so.

TRAINED OPERATOR ONLY LABEL - FAMA25

A permanent label shall be provided on the pump panel that states that only properly trained personnel should operate the apparatus and shall indicate that injury or death could occur as a result.

NOT A STEP WARNING LABEL - FAMA26

A permanent label shall be provided in any horizontal location that a firefighter may feel tempted to use as a step but is not designed, constructed or intended to be a stepping, standing or walking surface. The label shall state that the surface is not intended for this purpose and indicate potential injury or death in doing so.

COMPARTMENT TOP WARNING LABEL - FAMA26

A permanent label shall be provided on the front and rear of the compartment tops on both sides warning that the area is not designed, constructed or intended to be a stepping, standing or walking surface. The label shall state that the surface is not intended for this purpose and indicate potential injury or death in doing so.

HOOD TILT WARNING LABEL

A permanent label shall be provided on each side of the engine hood near latch cautioning the person tilting the hood to only tilt from front, check for obstructions and to ensure that the hood is secured when the apparatus is in motion.

SIREN NOISE WARNING LABEL - FAMA42

A permanent label shall be provided inside the driver's door warning of potential injury that could be received from the noise of the siren. The label shall also state safety precautions that should be taken when the siren is in use.

SIREN NOISE WARNING LABEL - FAMA42

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A permanent label shall be provided inside the driver's door warning of potential injury that could be received from the noise of the siren. The label shall also state safety precautions that should be taken when the siren is in use.

FLUID CAPACITY LABEL

A permanent plate shall be mounted in the driver's compartment specifying the quantity and type of the following fluids used in the apparatus (if applicable) for normal maintenance:

- Engine oil.
- Engine coolant.
- Chassis transmission fluid.
- Pump transmission fluid.
- Pump primer fluid.
- Drive axle fluid.
- Air conditioning refrigerant.
- Air conditioning lubrication oil.
- Power steering fluid.
- Cab-tilt mechanism fluid (if applicable).
- Transfer case fluid (if applicable).
- Equipment rack fluid (if applicable).
- CAFS compressor system lubricant (if applicable).
- Generator system lubricant (if applicable).
- Front tire cold pressure.
- Rear tire cold pressure.
- Maximum tire speed ratings.

LENGTH, HEIGHT, WEIGHT LABEL

A permanent plate or label shall be provided in the cab stating the overall length, height and the gross vehicle weight rating (GVWR), in tons, of the completed apparatus.

The wording on this label shall indicate that the information on the plate/label was current at the time of manufacture and if the overall height of the apparatus changes while the vehicle is in service, the purchaser shall revise the height dimension on the plate.

PUMP CERTIFICATIONS

Where applicable, the following documents shall be provided with the completed apparatus:

- Pump manufacturer's certification of suction capability.
- Special condition certifications, if any.
- Pump manufacturer's approval for stationary pumping.
- Engine manufacturer's certified brake horsepower curve showing maximum governed speed.
- Pump manufacturer's certification of hydrostatic test.
- Pump manufacturer's certification of hydrodynamic test, if required. Certification of inspection and tests for the fire pump.

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OPTICAL WARNING LIGHT CERTIFICATION

The emergency warning light system shall be certified using one of the available methods provided for in NFPA 1901 13.8.16.

SIREN CERTIFICATION

The siren manufacturer shall certify the siren to NFPA 1901 13.9.1.1.

ELECTRICAL SYSTEM PERFORMANCE CERTIFICATION

A written load analysis and the results of the electrical system performance test shall be provided with the completed apparatus. The load analysis shall include the following:

- Nameplate rating of the alternator.
- The alternator rating under the conditions specified in NFPA 1901 13.3.2.
- Each of the component loads specified in NFPA 1901 13.3.3 that make up the minimum continuous electrical load.
- Additional electrical loads that, when added to the minimum continuous electrical load, determine the total continuous electrical load.
- Each individual intermittent electrical load.

BOOSTER TANK CAPACITY CERTIFICATION

The manufacturer shall certify the capacity of the booster tank. Certification shall be documented on the Manufacturer's Record of Construction document.

NFPA SLIP RESISTANCE CERTIFICATION

Any materials used as a stepping, standing or walking surface shall be certified to be compliant with NFPA 1901 15.7.4. Documentation shall be provided with the completed apparatus.

WEIGHT CERTIFICATION

Documents from a certified scale showing actual loading on the front, rear and overall apparatus shall be provided. The apparatus shall be scaled with the water tank full but without personnel, equipment and hose.

VEHICLE ROLLOVER STABILITY

The apparatus chassis shall be equipped with a stability control system and shall be certified to NFPA 1901 Rollover Stability requirements.

UNDERWRITER'S LABORATORIES TESTING

The apparatus shall undergo an Underwriter's Laboratories Certification Test to insure that the completed apparatus

Anamosa IA

meets the requirements of NFPA 1901. The certificate shall be provided to the purchaser upon completion. Underwriter's Laboratories shall also perform the required testing on the entire installed electrical system. Self-certification by the apparatus manufacturer will not be acceptable.

MANUFACTURER'S RECORD OF APPARATUS CONSTRUCTION

All information required to comply with NFPA 1901 4.20.1 shall be provided with the completed apparatus.

OPERATIONS AND SERVICE DOCUMENTATION

The apparatus shall be complete with all operation and service documentation covering the apparatus as delivered and accepted. The documentation shall address the inspection, service and operations of the apparatus and all major components as required in NFPA 1901 4.20.2.

"AS BUILT" APPARATUS BODY OWNERS MANUALS (2)

Two "as built" apparatus body owner's manual USB drives shall be provided with the apparatus. All apparatus body electrical schematics shall be provided as well as all instructional and maintenance manuals on components provided and permanently mounted on the apparatus. A copy of the final apparatus body build specifications shall also be included on the drive. The USB shall be "read only" and shall not allow modification.

To eliminate component confusion, generic documentation with equipment that is not provided on the apparatus body shall not be acceptable.

FAMA FIRE APPARATUS SAFETY GUIDE

One (1) FAMA Fire Apparatus Safety Guide(s) shall be provided with the completed apparatus.

STATEMENT OF EXCEPTION - NFPA MISCELLANEOUS REQUIRED EQUIPMENT

The customer shall be responsible for providing all NFPA required miscellaneous equipment that is not contained within these specifications. All required equipment must be properly installed on the apparatus and in working condition prior to the apparatus being placed into service.

FAMILIARIZATION AND DEMONSTRATION

Upon completion of the new apparatus, an authorized properly trained representative of the manufacturer shall perform a "Familiarization and Demonstration" overview of the apparatus and related components.

The Department shall provide the representative with a written list, by full proper names, of the individual(s) that are to receive the overview. Upon completion of the overview, each person in attendance will be required to acknowledge, by signature, that they understand the operation of the apparatus and all related components.

CHASSIS FAMILIARIZATION

Familiarization of the apparatus shall include the following:

Anamosa IA

- How to locate gauges or indicators and check all fluid levels and operational use of the apparatus.
- How to tilt the chassis cab or hood assembly for access to the engine, fire pump (if applicable), or aerial control (if applicable), or any other device to allow access to fluids or for required maintenance.
- Interior cab controls, instruments, mirrors, safety devices or alarms, brake operations, transmission control, pump controls (if applicable) exhaust regeneration (if applicable), seat adjustments, warning light engagement and other operational equipment.

FIRE PUMP FAMILIARIZATION

Familiarization of the apparatus shall include the following items related to the fire pump system:

- Setting the parking brake, proper transmission gear and the fire pump engagement operations.
- Throttle control.
- Primer and tank-to-pump operation.
- Use of pressure control device.
- Tank refilling operations.
- Proper operation of discharge controls.
- Proper shutdown and draining of the system.

POST ACCEPTANCE TRAINING REQUIREMENTS

After apparatus acceptance, the Department shall be responsible for ongoing training of personnel. The Department shall not allow untrained or undertrained personnel to operate the apparatus or any included feature of the apparatus.

STREAMLIGHT "FIRE VULCAN LED" HAND LANTERN

There shall be one (1) Streamlight Fire Vulcan LED model 44451 orange hand lantern(s) provided and mounted on the apparatus. The lanterns shall be charged from the vehicles 12 volt battery system.



The Vulcan lights shall all be mounted in a single common location.

ZIAMATIC AC-2 ALUMINUM WHEEL CHOCKS

Anamosa IA

One (1) set(s) of two Zico AC-2 wheel chocks shall be provided. Two "underbody" horizontal brackets (per set) shall be provided.

The wheel chocks and brackets shall be shipped loose for dealer/customer installation.

F R E I G H T L I N E R S P E C I F I C A T I O N P R O P O S A L

Vehicle Configuration

M2 112 PLUS CONVENTIONAL CHASSIS
2024 MODEL YEAR SPECIFIED
SET BACK AXLE - TRUCK

General Service

DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)
FIRE/EMERGENCY SERVICE
EMERGENCY VEHICLES BUSINESS SEGMENT
FREIGHTLINER LEVEL II WARRANTY
EXPECTED FRONT AXLE LOAD: 16000 lbs
EXPECTED REAR DRIVE AXLE LOAD: 31000 lbs
EXPECTED GROSS VEHICLE CAPACITY: 47000 lbs

Engine

CUM L9 450EV HP @ 2100 RPM; 2200 GOV RPM, 1250 LB-FT @ 1200 RPM, FIRE/EMERGENCY

Engine Equipment

2010 EPA/CARB/GHG21 CONFIGURATION
NFPA COMPLIANT EMBER SCREEN AND FIRE RETARDANT
DONALDSON AIR CLEANER
DR 12V 300 AMP 40-SI BRUSHLESS PAD MOUNT ALTERNATOR WITH
REMOTE BATTERY VOLTAGE SENSE
(3) DTNA GENUINE, FLOODED STARTING, MIN 3000CCA, 555RC,
THREADED STUD BATTERIES WITH POSITIVE JUMP START POST
BATTERY BOX FRAME MOUNTED
WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL
FRAME GROUND RETURN
POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH
MOUNTED OUTBOARD DRIVER SEAT
CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH
INTERNAL SAFETY VALVE
C-BRAKE BY JACOBS WITH LOW/OFF/HIGH BRAKING DASH SWITCH
RH MTD HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH
RH HORIZONTAL TAILPIPE
AIR POWERED ON/OFF ENGINE FAN CLUTCH
AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH
CUMMINS SPIN ON FUEL FILTER
COMBINATION FULL FLOW/BYPASS OIL FILTER

1300 SQUARE INCH ALUMINUM RADIATOR WITH AUXILIARY COOLING
ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED
LIFE COOLANT
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT
CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES
ELECTRIC GRID AIR INTAKE WARMER
DELCO 12V 38MT HD STARTER WITH INTEGRATED MAGNETIC SWITCH

Transmission

ALLISON 3000 EVS 5 SPD AUTOMATIC TRANSMISSION

Transmission Equipment

MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S)
FILL AND DRAIN
ELECTRONIC ALLISON SHIFT CONTROL
TRANSMISSION PROGNOSTICS - ENABLED 2013
WATER TO OIL TRANSMISSION COOLER
TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL
CHECK
SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)

Fire Pump

CUSTOM DRIVELINE JACKSHAFT SPACER FOR FIRE PUMP

Front Axle and Equipment

DETROIT DA-F-16.0-5 16,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT
AXLE
MERITOR EX-L AIR DISC FRONT BRAKES
FIRE AND EMERGENCY SEVERE SERVICE, NON-ASBESTOS FRONT
LINING
FRONT OIL SEALS
FRONT AIR DISC BRAKE INTERNAL ADJUSTERS
TRW TAS-85 POWER STEERING

Front Suspension

16,000# TAPERLEAF FRONT SUSPENSION
GRAPHITE BRONZE BUSHINGS WITH SEALS
FRONT SHOCK ABSORBERS

Rear Axle and Equipment

31,000 LB FIRE/EMERGENCY SERVICE SINGLE REAR AXLE
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING
MXL 17T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF
ROUND YOKES
DRIVER CONTROLLED TRACTION DIFFERENTIAL
MERITOR 16.5X7 P CAST SPIDER CAM REAR BRAKES, DOUBLE
ANCHOR, CAST SHOES

FIRE AND EMERGENCY SEVERE SERVICE NON-ASBESTOS REAR
BRAKE LINING
REAR OIL SEALS
HALDEX AUTOMATIC REAR SLACK ADJUSTERS

Rear Suspension

31,000# FLAT LEAF SPRING REAR SUSPENSION WITH HELPER AND
RADIUS ROD FOR FIRE/EMERGENCY SERVICE
SPRING SUSPENSION - 1.50" AXLE SPACER
FORE/AFT CONTROL RODS

Brake System

AIR BRAKE PACKAGE
WABCO 4S/4M ABS WITH TRACTION CONTROL WITH ESC
STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM
BW AD-9 BRAKE LINE AIR DRYER WITH HEATER
CUSTOM STEEL AIR BRAKE RESERVOIRS
BW DV-2 AUTO DRAIN VALVE WITH HEATER - WET TANK

Wheelbase & Frame

(276 INCH) WHEELBASE / (162.8 INCH) CA
11/32X3-1/2X10-15/16 INCH STEEL FRAME 120KSI
1/4" C-CHANNEL INNER FRAME REINFORCEMENT
(47 INCH) REAR FRAME OVERHANG

Chassis Equipment

CUSTOMER INSTALLED SPECIAL BUMPER
REMOVABLE FRONT TOW/RECOVERY DEVICE
FENDER AND FRONT OF HOOD MOUNTED FRONT MUDFLAPS
GRADE 8 THREADED HEX HEADED FRAME FASTENERS

Fuel Tanks

50 GALLON RECTANGULAR ALUMINUM FUEL TANK - LH
6 GALLON DIESEL EXHAUST FLUID TANK
FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR AND 12
VOLT PREHEATER

Tires

MICHELIN X LINE ENERGY Z 315/80R22.5 20 PLY RADIAL FRONT TIRES
MICHELIN X WORKS XDY 315/80R22.5 20 PLY RADIAL REAR TIRES

Hubs

CONMET PRESET PLUS PREMIUM IRON FRONT HUBS
WEBB IRON REAR HUBS

Wheels

22.5X9.00 10-HUB PILOT POLISHED ALUMINUM FRONT WHEELS WITH
DURA-BRIGHT OUTER FINISH

22.5X9.00 10-HUB PILOT POLISHED ALUMINUM REAR WHEELS WITH
DURA-BRIGHT OUTER FINISH

Cab Exterior

160 INCH BBC HIGH-ROOF ALUMINUM CONVENTIONAL AIR RIDE CREW
CAB
BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS
NFPA COMPLIANT LH AND RH EXTERIOR GRAB HANDLES
HOOD MOUNTED CHROMED PLASTIC GRILLES
FIBERGLASS HOOD & FIREWALL INSULATION
DUAL 25 INCH ROUND STUTTER TONE HOOD MOUNTED AIR HORNS
WITH DUAL LANYARDS
DUAL ELECTRIC HORNS
LED HEADLIGHT ASSEMBLY AND INCANDESCENT MARKER/TURN
LAMP WITH CHROME BEZELS & DAYTIME RUNNING LIGHTS
WIG-WAG LOW BEAM HEADLAMPS WITH DASH SWITCH, WITH PARK
BRAKE RELEASED
LED AERODYNAMIC MARKER LIGHTS
DUAL 102" WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH
AND RH REMOTE
LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED
UNDER PRIMARY MIRRORS
63X14 INCH TINTED REAR WINDOW
TINTED DOOR GLASS LH AND RH WITH TINTED NON-OPERATING WING
WINDOWS
RH AND LH ELECTRIC POWERED WINDOWS & DOOR LOCKS
1-PIECE SOLAR GREEN GLASS WINDSHIELD
2 GALLON WINDSHIELD WASHER RESERVOIR WITH FLUID LEVEL
INDICATOR, FRAME MOUNTED

Cab Interior

GRAY & CARBON VINYL INTERIOR
MOLDED PLASTIC DOOR PANELS WITH ALUMINUM KICKPLATES
LOWER DOORS
BLACK MATS WITH PREMIUM INSULATION
FORWARD ROOF MOUNTED CONSOLE
AM/FM/WB WORLD TUNER RADIO WITH AUXILIARY INPUT
(2) CUP HOLDERS LH AND RH DASH
M2 DASH WITH DUAL USB CHARGING PORTS (2)
HEATER, DEFROSTER AND AIR CONDITIONER
MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH
SOLID-STATE CIRCUIT PROTECTION AND FUSES
12V NEGATIVE GROUND ELECTRICAL SYSTEM
LED PREMIUM CAB LIGHTING
SEATS INC 911 UNIVERSAL SERIES HIGH BACK AIR SUSPENSION
DRIVER SEAT NFPA COMPLIANT

SEATS INC 911 UNIVERSAL SERIES SCBA NON SUSPENSION
PASSENGER SEAT WITH UNDERSEAT STORAGE NFPA COMPLIANT
SEATS INC 911 UNIVERSAL SERIES SCBA NON SUSPENSION LH, RH
AND CENTER REAR PASSENGER SEATS WITH UNDER SEAT STORAGE
NFPA COMPLIANT
BLACK CORDURA PLUS CLOTH SEAT COVERS
NFPA 1901-2009 HIGH VISIBILITY ORANGE SEAT BELTS
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN
4-SPOKE 18 INCH BLACK STEERING WHEEL
DRIVER AND PASSENGER INTERIOR SUN VISORS

Instruments & Controls

BRIGHT ARGENT FINISH GAUGE BEZELS
LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM
DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE
ELECTRONIC AIR RESTRICTION INDICATOR DISPLAYED IN DRIVER
DISPLAY
ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING
WHEEL SPOKES
PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY
FIRE AND EMERGENCY SERVICE VEHICLES ENGINE WARNING
2 INCH ELECTRIC FUEL GAUGE
ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE
DIGITAL TRANSMISSION OIL TEMPERATURE IN DRIVER DISPLAY
ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY
ELECTRIC ENGINE OIL PRESSURE GAUGE
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE
ELECTRONIC 3000 RPM TACHOMETER
IGNITION SWITCH CONTROLLED ENGINE STOP
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY
SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY
ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH
ONE VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL
SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP
FLASH, WASH/WIPE/INTERMITTENT
INTEGRAL ELECTRONIC TURN SIGNAL FLASHER

Paint Design

TWO COLOR CUSTOM BASE/CLEAR COAT CAB PAINT
BLACK, HIGH SOLIDS POLYURETHANE FRAME/CHASSIS PAINT

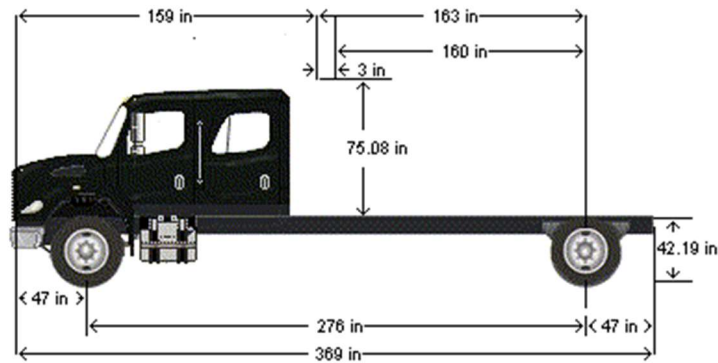
Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	9390 lbs	5089 lbs	14479 lbs

(+) Weights shown are estimates only. If weight is critical, contact Customer Application Engineering.

(*) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.**

D I M E N S I O N S



Payment Options made available to:

Anamosa Fire Department

Payment in Full Upon Delivery

\$ 436,325.61

Prepayments and Discounts:

	Upon Chassis Arrival at Toyne	PAYMENTS AT TIME OF CONTRACT				
		50%	66%	75%	80%	90%
Payment	\$130,426	\$218,163	\$287,975	\$327,244	\$349,060	\$392,693
Discount	\$4,862	\$7,981	\$9,516	\$10,379	\$10,859	\$11,818
Balance Due	\$301,038	\$210,182	\$138,835	\$98,702	\$76,406	\$31,814

Aug 3 18



TOYNE INC.

104 Granite Ave. Breda, IA 51436
(712) 673-2328 FAX (712) 673-2200

APPARATUS PURCHASE AGREEMENT

THIS AGREEMENT, made by and between Toyne, Inc. Breda, IA, the first party, and the purchaser:

Anamosa Fire Department
701 East 3rd Street
Anamosa, IA 52202

Toyne, Inc. hereby agrees to furnish the apparatus and equipment according to the specifications hereto attached and made part of this contract, and to deliver the same as hereinafter provided.

Toyne, Inc. agrees that all material and workmanship of the apparatus and equipment shall comply with the proposal specifications. In the event there is any conflict between Customer Specifications previously submitted to Toyne, Inc., and the specifications attached hereto, it is understood and agreed between the parties that the apparatus and equipment made the basis of this contract shall meet only the specifications attached hereto and made a part hereof, as if fully and completely set out herein, and no other. The sole and exclusive warranty accompanying this sale is contained in the warranty attached hereto, and made a part hereof by reference, as if fully and completely set out herein. Surety Bond, if required, will cover standard one year warranty period only and will not cover any extended warranties allowed by seller or other component manufacturers.

This fire apparatus shall conform with all Federal Department of Transportation (DOT) rules and regulations in effect at the time of contract signing, and with all National Fire Protection Association (NFPA) Guidelines for Automotive Fire Apparatus as published at the time of contract signing, except as modified by Customer Specifications. Any increased cost incurred by first party because of future changes in or additions to said DOT or NFPA standards will be passed along to the customer as an addition to the price set forth below.

The apparatus and equipment shall be ready for delivery from Breda, IA, within about 565 days after the receipt and acceptance of this contract at the first party's office at Breda, IA. The first party shall not responsible for delays due to strikes, failures to obtain chassis, materials, or other causes beyond its control.

A competent representative shall, upon request, be furnished by first party to demonstrate the apparatus for second party and to give its employees the necessary instructions in the operation and handling of the apparatus.

The second party hereby purchases and agrees to pay for said apparatus and equipment, the sum of:

\$436,325.61

This contract price represents the following payment schedule:

A payment of:	\$	0.00	due within 15 days of signing the contract by the purchaser. (for this the contract price includes a discount of \$0.00)
A payment of:	\$	0.00	due within 15 days of the arrival of the chassis at Toyne Inc. (for this the contract price includes a discount of \$0.00)
A payment of:	\$	436,325.61	due upon the delivery of the apparatus to the purchaser.



Interest at 12 percent per annum, payable monthly, shall be charged on all past due payments. If deferred payment arrangements are made, such arrangements shall be in writing, and second party's obligation shall be evidenced by properly executed lease documents.

If more than one piece of apparatus is covered by this contract, the above terms of payment shall apply to each piece, and an invoice covering each piece shall be rendered in the proper amount.

In the event the apparatus is placed in fire service prior to payment in full, the first party reserves the right to charge a rental fee of Two Hundred Fifty Dollars (\$ 250.00) per day.

The name of the person authorized by the second party to authorize change orders shall be:

Dan Frank

Any applicable taxes not specified noted above will be paid by the second party directly, or will be added to the Purchase Price and paid by the first party. If second party claims exemption from any tax, second party agrees to furnish applicable exemption certificate and save the party harmless from any such tax, interest or penalty, which may at any time, is assessed against the first party.

Acceptance of goods shall occur when the second party takes delivery. In case the second party desires to test the apparatus, such tests shall be made within 10 days after arrival of the goods at destination and a written report of such tests shall be delivered to the first party at its principal office at Breda, IA. If no such tests are to be made, or if no such report is made by the second party within 10 days after arrival, then said apparatus and equipment shall be conclusively determined to be in full compliance with contract specifications and conclusively determined to be conforming and in accordance with the obligations under this contract. No revocation of acceptance shall take place unless communicated to the first party within 10 days after delivery of the goods. In the event notice of revocation of acceptance is communicated to the first party within 10 days, the second party's right to revoke its acceptance shall be governed by the laws of the State of Iowa.

Toyne, Inc. shall not be liable if performance failure arises out of causes beyond his control and without the fault or negligence of the Contractor (acts of God, war, fires, floods, freight embargoes, order of any court, or specific cause reasonably beyond the party's control and not attributable to its neglect or nonfeasance). Should a performance failure occur, it will be the responsibility of the Contractor to notify the Purchaser in writing and submit proof of the circumstances for non-performance. Immediately following the resolution of circumstances responsible for non-performance, the Contractor must renegotiate delivery schedules.

It is agreed that the apparatus and equipment covered by this contract shall remain the property of Toyne, Inc. until the entire contract price has been paid, but if more than one piece of apparatus is covered by this contract, then each piece shall remain the property of Toyne, Inc. until the above listed price for such piece has been paid in full, and in case of an default in payment, Toyne, Inc. may take full possession of the apparatus and equipment, or of the piece or pieces upon which default has been made, and any payments that have been made shall be applied as payment for the use of the apparatus and equipment up to date taking possession.

This contract to be binding must be signed and approved by an officer of Toyne, Inc., or someone authorized in writing by it to do so. This contract and specifications take precedence over all previous negotiations and no representatives are considered as entering into this contract except as are contained herein or in the specifications attached hereto. This contract cannot be altered or modified except by mutual written agreement signed by the parties.



If for any reason, the Purchaser wishes to cancel this contract. Toyne Inc. will be entitled to an amount not to exceed 10% of the total contract price plus 100% of all expenses incurred by Toyne, Inc. and its authorized representative as a result of the cancellation. Such expenses would include, but not limited to, the following items:

- Manufacturing or engineering work already performed.
- Cancellation fees charged by component manufacturer's.
- Full cost of all un-returnable items.

If any part hereof is contrary to, prohibited by, or deemed invalid under applicable laws or regulations, such provision shall be deemed inapplicable and deemed omitted to the extent to contrary, prohibited or invalid, but remainder shall be deemed inapplicable and deemed omitted to the extent to contrary, prohibited or invalid, but remainder shall not be invalidated and shall be given effect so far as possible.

IN WITNESS WHEREOF, the said parties have caused these presents to be executed and the second party has caused its seal to be affixed, and attested by its authorized representatives on this:

_____ day of _____, 20 _____.

By: _____

Title: _____
Second Party's Registered Name

By: _____
Toyne Inc. Sales Representative

Accepted at Toyne Inc. Corporate Office in Breda, IA

By: _____
Michael D. Schwabe - President

Date: _____

RESOLUTION 2022-84

APPROVING AGREEMENT FOR FIRE DEPARTMENT OT PLACE ORDER FOR NEW FIRE TRUCK

WHEREAS, the Fire Department is in the process of ordering a new Fire Truck; and

WHEREAS, the order must be placed by December 30, 2022 to have an estimated completion and delivery in approximately twenty (20) months from placement of order; and

WHEREAS, the Fire Department budgets for replacement of Fire Trucks/vehicles in it's yearly budget to cover the expenses;

THEREFORE, be it resolved that a the City is approving the Fire Department to purchase of one (1) new fire truck with the pricing not to exceed \$436,325.61.

Councilmember _____ introduced **Resolution 2022-84** and moved for its adoption. Councilmember _____ seconded the motion to adopt. The roll was called and the following indicates the result of the vote.

COUNCILMEMBER		AYES	NAYS	ABSENT
CRUMP				
SMITH				
GOMBERT				
STOUT				
ZUMBACH				
TUETKEN				

PASSED AND APPROVED this 12th day of December 2022.

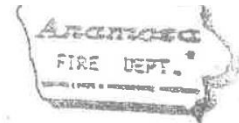
ATTEST:

Michon Jackson, City Administrator/Clerk

Rod Smith, Mayor

Anamosa Fire Department

Application for Membership



(PLEASE PRINT)

Date of Application 11/4/2022

Position(s) Applied For Firefighter

Referral Source: ☐ Advertisement ☒ Friend ☐ Relative ☐ Other

Name Poirier Daniel Sean
Last First Middle

Address 23357 Fairview Rd Anamosa IA 52205
Number Street City State Zip Code

Boards / Commissions / Committees

Planning & Zoning Commission

City Code Ch. 23

Duties: All powers and duties in establishing the City zoning regulations and other related matters and review and comment on plats.

Meeting Date(s): Wednesdays (As Needed)

Time: TBA

Location of Meeting: Anamosa City Hall

Appointment Process: Appointed by City Council

Term: Five year terms staggered

Current Members - Date Appointed/Expiration Date

Jeff Wilken July 2021/Aug 2023

Date Appointed/Expiration Date

Tim Hollet (Vice Chair) 2006 / Aug 2022

302 S Garnavillo Street

462-2859 (Hm)

Re-appoint

Kari Dearborn Aug 2021 / Aug 2026

405 N Division

462-4563

462-2061 (wk)

~~Dave Phelps~~

208 S Cleveland

480-4236 (Hm)

VACANT / Aug 2022

Doug Edel (Chairperson) Aug 2003 / Aug 2023

204 E Walnut

462-4593 (Hm)

462-6031 (Wk)

Mike Shaffer

803 N Division Ct

480-4616

Re-appoint

Nov 2017 / Aug 2022

Vacant Sept 2011 / Aug 2021

MEMORANDUM

DATE: November 23, 2022
TO: Michon Jackson, City of Anamosa
FROM: Mark Culver, Housing Specialist
RE: Contractor Partial Payment Request

Enclosed please find the required paperwork to authorize contractor payment for the house at:

102 S Sales St (Fowler)

I approve the payment request in the amount of **\$10,926.90**

Please cut a check in the amount of \$10,926.90 and send to the contractor.

AEC Contracting
1401 Mt Vernon Road SE Suite A
Cedar Rapids, IA 52403

***The enclosed "Partial Payment Request" document requires a signature and is marked with a "sign here" tab. After you have signed the documents please make a copy for your records and then return the originals to me with a copy of the check to the contractor.**

Thank you,



Mark Culver
East Central Iowa Council of Governments

City of Anamosa
HOUSING REHABILITATION PROGRAM
102 S Sales St
Anamosa, IA 52205

Contractor Name: AEC Contracting
Contractor Address: 1401 Mount Vernon Road Se Suite A
Cedar Rapids, IA 52403
Contractor Phone Number: 319-373-6812

PARTIAL PAYMENT REQUEST

Rehab Items Completed to Date:	\$6,141.00
Lead Items Completed to Date:	\$6,000.00
Total Items Completed to Date:	\$12,141.00
10% Retained:	\$1,214.10
Earned Less Retainage:	\$10,926.90
Current Payment Due:	\$10,926.90

The undersigned contractor certifies that all work is completed in regards to this request for payment in accordance with the contract documents and that all work to date was inspected.

General Contractor: Eric Andersen

Date: 11/23/2022

A Property inspection has been made and the work completed to date meets my satisfaction in accordance with the construction contract. I authorize the release of payment.

Property Owner: [Signature]

Date: 11-23-22

Approved by the
Housing Inspector: [Signature]

Date: 11-23-22

Grantee Representative: [Signature]

Date: 11-23-22

Project Administrator: [Signature]

Date: 11-23-22

CITY OF ANAMOSA
APPROVAL FORM FOR LIQUOR AND BEER LICENSE APPLICATIONS

Class C Beer/Liquor
Sunday: Yes X No
New/Renewal/Amended
Circle Appropriate Info.

NAME OF APPLICANT: Axe-cade LLC
TRADE NAME (DBA): Axe-cade on Main
STREET ADDRESS: 136 E Main St.
PHONE (BUSINESS): 319-462-9002 HOME (OR CELL): 319-551-6927

The undersigned have by the signatures of the officials noted below, certify that the above mentioned structure conforms to all laws within the jurisdictional limits of enforcement of said officials and may receive approval of this application.

ANAMOSA POLICE DEPARTMENT

The above named applicant(s) is approved by this department to have a beer and/or liquor license at the above location.

[Signature]
Police Chief

11/28/22
Date

Leave form at City Hall after Fire and Health signatures are complete

ANAMOSA FIRE DEPARTMENT: Fire Inspection Fee -- \$35.00, Includes two inspections. Each inspection after that will be \$25 each. (Make check out to: City of Anamosa)

[Signature]
Fire Chief (or designee)

11/28/22
Date

Phone: 319-462-4434 for appointment

JONES COUNTY ENVIRONMENTAL HEALTH DEPARTMENT: (If applicable)

The above mentioned structure and business is in compliance with the Jones County Board of Health Regulations.

[Signature]
Jones County Environmental Health Official

12-6-22
Date

Phone: 319-462-4715 for appointment

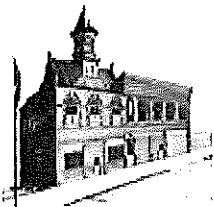
PLEASE RETURN FORM TO REENIE AT CITY HALL WHEN COMPLETED

Received at City Hall 11-30 for the 12/12/22 Council Meeting

BUDGET TIMELINE

FY24

December 2022	meet with Dept heads for budgets
January 9, 2023	REGULAR MEETING: Review Budgets: Police, Mayor/Council, Administration and Library
January 16, 2023	SPECIAL MEETING: Review Budgets: Wastewater, Water, Streets & Parks & Rec and Levy
January 23, 2023	Set public Hearing for max levy
February 13, 2023	Public hearing #1 & Resolution to approve maximum dollars
February 27, 2023	Set public Hearing for Budget
March 13, 2023	Public Hearing #2 & Resolution to approve budget



City of Anamosa, IA

Expense Approval Report

By Vendor Name

Post Dates 11/29/2022 - 12/12/2022

Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
Vendor: 004233 - 941 TAX EFT PAYMENT					
941 TAX EFT PAYMENT	INV0000770	12/09/2022	MEDICARE TAX	001-000-2206	1,877.88
941 TAX EFT PAYMENT	INV0000771	12/09/2022	SOCIAL SECURITY TAX	001-000-2202	8,029.62
941 TAX EFT PAYMENT	INV0000772	12/09/2022	FEDERAL TAX	001-000-2200	4,963.67
Vendor 004233 - 941 TAX EFT PAYMENT Total:					14,871.17
Vendor: 006438 - ACCESS SYSTEMS LEASING					
ACCESS SYSTEMS LEASING	32881677	12/12/2022	COPIER CONTRACT	001-622-6470	249.00
Vendor 006438 - ACCESS SYSTEMS LEASING Total:					249.00
Vendor: 006141 - AMAZON CAPITAL SERVICES					
AMAZON CAPITAL SERVICES	13QX-XQYW-6R41	12/12/2022	OFFICE SUPPLIES	001-622-6535	162.78
AMAZON CAPITAL SERVICES	14GD-RKVJ-FNP1	12/12/2022	SUPPLIES	600-810-6530	34.97
AMAZON CAPITAL SERVICES	1CY1-9VXY-HCG3	12/12/2022	OFFICE SUPPLIES	001-622-6535	25.96
AMAZON CAPITAL SERVICES	1HPW-JN7X-44GL	12/12/2022	SUPPLIES	600-810-6530	81.86
AMAZON CAPITAL SERVICES	1HPW-JN7X-44GL	12/12/2022	SUPPLIES	610-815-6530	177.86
AMAZON CAPITAL SERVICES	1THHJ44GT4XV	12/12/2022	SUPPLIES	110-211-6535	471.41
AMAZON CAPITAL SERVICES	1WM714FJJ199	12/12/2022	SUPPLIES	001-110-6530	79.96
AMAZON CAPITAL SERVICES	1WM714FJJ199	12/12/2022	SUPPLIES	001-110-6535	35.88
AMAZON CAPITAL SERVICES	1JFM-J761-QRML	12/12/2022	SUPPLIES	610-815-6530	139.00
AMAZON CAPITAL SERVICES	1YTV-3JKT-3VFN	12/12/2022	SUPPLIES	001-622-6535	77.79
Vendor 006141 - AMAZON CAPITAL SERVICES Total:					1,287.47
Vendor: 006190 - AT&T MOBILITY					
AT&T MOBILITY	11272022	12/12/2022	PHONE	001-612-6373	49.85
AT&T MOBILITY	11272022	12/12/2022	PHONE	041-410-6373	49.85
AT&T MOBILITY	11272022	12/12/2022	PHONE	043-430-6373	49.85
AT&T MOBILITY	287298794726	12/12/2022	PHONE	001-110-6373	543.68
Vendor 006190 - AT&T MOBILITY Total:					693.23
Vendor: 000185 - AUTOMOTIVE SERVICES					
AUTOMOTIVE SERVICES	0044830	12/12/2022	REPAIRS	110-211-6474	35.00
Vendor 000185 - AUTOMOTIVE SERVICES Total:					35.00
Vendor: 005731 - BANOWETZ LUMBER COMPANY INC					
BANOWETZ LUMBER COMPA	1725	12/12/2022	SUPPLIES	110-211-6523	49.89
BANOWETZ LUMBER COMPA	1777	12/12/2022	SUPPLIES	046-460-6475	94.85
BANOWETZ LUMBER COMPA	1799	12/12/2022	SUPPLIES	046-460-6475	32.03
BANOWETZ LUMBER COMPA	1861	12/12/2022	SUPPLIES	046-460-6475	25.06
Vendor 005731 - BANOWETZ LUMBER COMPANY INC Total:					201.83
Vendor: 000191 - BARRON MOTOR SUPPLY					
BARRON MOTOR SUPPLY	282723	12/12/2022	PARTS	110-211-6530	21.30
BARRON MOTOR SUPPLY	282789	12/12/2022	PARTS	610-815-6470	58.94
BARRON MOTOR SUPPLY	282793	12/12/2022	PARTS	610-815-6470	8.40
BARRON MOTOR SUPPLY	282796	12/12/2022	PARTS	610-815-6470	5.68
BARRON MOTOR SUPPLY	282818	12/12/2022	PARTS	610-815-6470	141.24
BARRON MOTOR SUPPLY	282844	12/12/2022	PARTS	110-211-6530	23.76
BARRON MOTOR SUPPLY	282720	12/12/2022	PARTS	043-430-6470	128.39
BARRON MOTOR SUPPLY	282785	12/12/2022	PARTS	043-430-6470	16.88
BARRON MOTOR SUPPLY	282788	12/12/2022	PARTS	043-430-6470	101.60
BARRON MOTOR SUPPLY	282900	12/12/2022	PARTS	610-815-6559	1.96
Vendor 000191 - BARRON MOTOR SUPPLY Total:					508.15
Vendor: 005272 - BLACK HILLS ENERGY					
BLACK HILLS ENERGY	12522	12/12/2022	NATURAL GAS	001-110-6370	213.98
BLACK HILLS ENERGY	12522	12/12/2022	NATURAL GAS	001-110-6370	372.95
BLACK HILLS ENERGY	12522	12/12/2022	NATURAL GAS	001-650-6370	383.49
BLACK HILLS ENERGY	12522	12/12/2022	NATURAL GAS	015-150-6370	552.09

Expense Approval Report

Post Dates: 11/29/2022 - 12/12/2022

Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
BLACK HILLS ENERGY	12522	12/12/2022	NATURAL GAS	044-440-6370	35.26
BLACK HILLS ENERGY	12522	12/12/2022	NATURAL GAS	046-460-6370	1,442.94
BLACK HILLS ENERGY	12522	12/12/2022	NATURAL GAS	110-211-6370	531.52
BLACK HILLS ENERGY	12522	12/12/2022	NATURAL GAS	600-810-6370	38.13
BLACK HILLS ENERGY	12522	12/12/2022	NATURAL GAS	600-810-6370	147.11
BLACK HILLS ENERGY	12522	12/12/2022	NATURAL GAS	610-815-6370	35.26
BLACK HILLS ENERGY	12522	12/12/2022	NATURAL GAS	610-815-6370	1,429.63
BLACK HILLS ENERGY	12522	12/12/2022	NATURAL GAS	610-815-6370	802.64
Vendor 005272 - BLACK HILLS ENERGY Total:					5,985.00
Vendor: 000395 - CENTURYLINK					
CENTURYLINK	112522	12/12/2022	PHONE	041-410-6373	91.13
CENTURYLINK	112522A	12/12/2022	PHONE	001-110-6373	124.73
CENTURYLINK	112522A	12/12/2022	PHONE	001-622-6373	272.37
CENTURYLINK	112522B	12/12/2022	PHONE	600-810-6373	61.98
CENTURYLINK	112522C	12/12/2022	PHONE	043-430-6373	72.82
CENTURYLINK	112522D	12/12/2022	PHONE	610-815-6373	235.48
Vendor 000395 - CENTURYLINK Total:					858.51
Vendor: 000008 - CITY OF ANAMOSA					
CITY OF ANAMOSA	INV0000764	12/09/2022	FLEX - MEDICAL	001-000-2204	80.38
Vendor 000008 - CITY OF ANAMOSA Total:					80.38
Vendor: 003441 - COLLECTION SERVICES CENTER					
COLLECTION SERVICES CENTE	INV0000762	12/09/2022	COLLECTION SERVICES	001-000-2204	257.55
Vendor 003441 - COLLECTION SERVICES CENTER Total:					257.55
Vendor: 005715 - CR LC SOLID WASTE AGENCY					
CR LC SOLID WASTE AGENCY	02-021087511	12/12/2022	CITY SLUDGES	610-815-6722	70.50
Vendor 005715 - CR LC SOLID WASTE AGENCY Total:					70.50
Vendor: 000042 - DELTA DENTAL PLAN OF IOWA					
DELTA DENTAL PLAN OF IOWA	INV0000763	12/09/2022	DELTA DENTAL INSURANCE	001-000-2205	1,518.28
Vendor 000042 - DELTA DENTAL PLAN OF IOWA Total:					1,518.28
Vendor: 005503 - EASTERN IA EXCAVATING & CONCRE					
EASTERN IA EXCAVATING & C	PP#3	11/29/2022	BOOTH ST PAYMENT #3	311-811-6555	203,234.70
Vendor 005503 - EASTERN IA EXCAVATING & CONCRE Total:					203,234.70
Vendor: 004526 - ELAN-CARDMEMBER SERVICE					
ELAN-CARDMEMBER SERVICE	11151722	11/30/2022	FEES	001-622-6542	20.00
ELAN-CARDMEMBER SERVICE	111522	11/30/2022	FEES	001-110-6553	52.09
ELAN-CARDMEMBER SERVICE	111722	11/30/2022	FEES	610-815-6553	59.42
ELAN-CARDMEMBER SERVICE	311012	11/30/2022	SUPPLIES	001-110-6553	17.92
ELAN-CARDMEMBER SERVICE	7477	11/30/2022	BACKGROUND CHECK	001-622-6491	45.00
ELAN-CARDMEMBER SERVICE	8234	11/30/2022	BACKGROUND CHECKS	001-622-6491	15.00
ELAN-CARDMEMBER SERVICE	INV176255403	11/30/2022	ZOOM	001-622-6430	14.99
ELAN-CARDMEMBER SERVICE	JAKEWW1	11/30/2022	DNR FEE	610-815-6445	32.29
ELAN-CARDMEMBER SERVICE	RACH2	11/30/2022	TRAINING	600-810-6445	63.04
ELAN-CARDMEMBER SERVICE	RACHWW1	11/30/2022	TRAINING	600-810-6445	83.54
Vendor 004526 - ELAN-CARDMEMBER SERVICE Total:					403.29
Vendor: 006279 - EMPLOYEE GROUP SERVICES LTD					
EMPLOYEE GROUP SERVICES L	1222	12/12/2022	AUXILIANT FEE	001-110-6155	36.00
EMPLOYEE GROUP SERVICES L	1222	12/12/2022	AUXILIANT FEE	001-210-6155	36.00
EMPLOYEE GROUP SERVICES L	1222	12/12/2022	AUXILIANT FEE	001-622-6155	36.00
EMPLOYEE GROUP SERVICES L	1222	12/12/2022	AUXILIANT FEE	041-410-6155	27.00
EMPLOYEE GROUP SERVICES L	1222	12/12/2022	AUXILIANT FEE	046-460-6155	18.00
EMPLOYEE GROUP SERVICES L	1222	12/12/2022	AUXILIANT FEE	600-810-6155	27.00
EMPLOYEE GROUP SERVICES L	1222	12/12/2022	AUXILIANT FEE	610-815-6155	18.00
EMPLOYEE GROUP SERVICES L	1222-1	12/12/2022	AUXILIANT	001-110-6155	102.03
Vendor 006279 - EMPLOYEE GROUP SERVICES LTD Total:					300.03
Vendor: 006150 - ENCOMPASS					
ENCOMPASS	13098	12/12/2022	Computer	001-622-6536	432.00
ENCOMPASS	13098	12/12/2022	Computer	600-810-6536	216.00

Expense Approval Report

Post Dates: 11/29/2022 - 12/12/2022

Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
ENCOMPASS	13098	12/12/2022	Computer	610-815-6536	216.00
ENCOMPASS	13138	12/12/2022	SERVERS CONTRACT	001-110-6490	2,370.50
ENCOMPASS	13138	12/12/2022	SERVERS CONTRACT	001-612-6490	2,370.50
Vendor 006150 - ENCOMPASS Total:					5,605.00
Vendor: 006200 - FAIRVIEW CONCRETE					
FAIRVIEW CONCRETE	581110	12/12/2022	REPAIRS	110-211-6543	550.00
Vendor 006200 - FAIRVIEW CONCRETE Total:					550.00
Vendor: 004334 - FAREWAY STORES, INC.					
FAREWAY STORES, INC.	32207	12/12/2022	SUPPLIES	046-460-6540	36.87
Vendor 004334 - FAREWAY STORES, INC. Total:					36.87
Vendor: 006246 - FRAZIER/SPENCER					
FRAZIER/SPENCER	121222	12/12/2022	PHONE	110-211-6373	20.00
FRAZIER/SPENCER	4207682	12/12/2022	BOOTS	110-211-6181	69.99
Vendor 006246 - FRAZIER/SPENCER Total:					89.99
Vendor: 005799 - GPM					
GPM	6993	12/12/2022	SUPPLIES	610-815-6559	676.00
Vendor 005799 - GPM Total:					676.00
Vendor: 003211 - IOWA ONE CALL					
IOWA ONE CALL	246458	12/12/2022	NOTIFICATIONS	600-810-2901	133.50
IOWA ONE CALL	246458	12/12/2022	NOTIFICATIONS	610-815-2901	133.50
Vendor 003211 - IOWA ONE CALL Total:					267.00
Vendor: 000281 - IPERS COLLECTIONS					
IPERS COLLECTIONS	INV0000765	12/09/2022	IPERS	001-000-2203	7,484.35
IPERS COLLECTIONS	INV0000768	12/09/2022	IPERS	001-000-2203	2,933.26
Vendor 000281 - IPERS COLLECTIONS Total:					10,417.61
Vendor: 000245 - JONES COUNTY ENGINEER					
JONES COUNTY ENGINEER	12822	12/12/2022	FUEL	001-110-6551	1,322.01
JONES COUNTY ENGINEER	12822	12/12/2022	FUEL	015-150-6551	609.73
JONES COUNTY ENGINEER	12822	12/12/2022	FUEL	110-211-6551	1,322.48
JONES COUNTY ENGINEER	12822	12/12/2022	FUEL	610-815-6551	381.04
Vendor 000245 - JONES COUNTY ENGINEER Total:					3,635.26
Vendor: 004353 - JONES COUNTY JETS					
JONES COUNTY JETS	12622	12/12/2022	CONTRIBUTION	001-610-6479	1,500.00
Vendor 004353 - JONES COUNTY JETS Total:					1,500.00
Vendor: 000043 - JONES COUNTY RECORDER					
JONES COUNTY RECORDER	20223437-38	12/12/2022	PROFESSIONAL SERVICES	001-622-6491	139.00
Vendor 000043 - JONES COUNTY RECORDER Total:					139.00
Vendor: 006483 - KAREN CHRISTNER					
KAREN CHRISTNER	12722	12/12/2022	FINANCIAL CONTRACTOR	001-622-6401	1,585.00
Vendor 006483 - KAREN CHRISTNER Total:					1,585.00
Vendor: 000299 - KIECK'S					
KIECK'S	22-12-0031	12/12/2022	UNIFORM	600-810-6181	70.00
Vendor 000299 - KIECK'S Total:					70.00
Vendor: 006482 - KINZLER CONSTRUCTION SERVICES					
KINZLER CONSTRUCTION SER	2222051.004	12/12/2022	FIRE DEPT DOWNSPOUTS	015-150-6475	1,355.89
Vendor 006482 - KINZLER CONSTRUCTION SERVICES Total:					1,355.89
Vendor: 001068 - KOCH OFFICE GROUP					
KOCH OFFICE GROUP	455686	12/12/2022	PRINTER LEASE	046-460-6542	409.88
Vendor 001068 - KOCH OFFICE GROUP Total:					409.88
Vendor: 005286 - KRAY/JEFF					
KRAY/JEFF	121222	12/12/2022	PHONE	110-211-6373	20.00
Vendor 005286 - KRAY/JEFF Total:					20.00
Vendor: 001186 - LAWSON PRODUCTS, INC.					
LAWSON PRODUCTS, INC.	9310103695	12/12/2022	tools	110-211-6530	649.22
Vendor 001186 - LAWSON PRODUCTS, INC. Total:					649.22

Expense Approval Report

Post Dates: 11/29/2022 - 12/12/2022

Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
Vendor: 006042 - LEAF					
LEAF	14025394	12/12/2022	COPIER SYSTEM	043-430-6310	8.79
				Vendor 006042 - LEAF Total:	8.79
Vendor: 004374 - LINN CO-OP OIL CO.					
LINN CO-OP OIL CO.	869628	12/12/2022	FUEL	600-810-6551	2,496.86
LINN CO-OP OIL CO.	869628	12/12/2022	FUEL	610-815-6551	2,496.86
				Vendor 004374 - LINN CO-OP OIL CO. Total:	4,993.72
Vendor: 004483 - LODE/ERIC					
LODE/ERIC	121222	12/12/2022	PHONE	110-211-6373	20.00
				Vendor 004483 - LODE/ERIC Total:	20.00
Vendor: 005346 - MAQUOKETA VALLEY ELECTRIC COOP					
MAQUOKETA VALLEY ELECTRI	111522-1	12/12/2022	INTERNET	001-110-6480	203.12
				Vendor 005346 - MAQUOKETA VALLEY ELECTRIC COOP Total:	203.12
Vendor: 006152 - MARTIN GARDNER ARCHITECTURE					
MARTIN GARDNER ARCHITEC	1191102	12/12/2022	POLICE STATION	351-111-6490	4,579.54
				Vendor 006152 - MARTIN GARDNER ARCHITECTURE Total:	4,579.54
Vendor: 005161 - MCALEER					
MCALEER	120122	12/12/2022	COOLER RENT	001-110-6530	29.00
				Vendor 005161 - MCALEER Total:	29.00
Vendor: 006474 - MIDWEST INJECTION, INC					
MIDWEST INJECTION, INC	2582	12/12/2022	HAULED BIOSOLIDS	610-815-6722	43,055.31
				Vendor 006474 - MIDWEST INJECTION, INC Total:	43,055.31
Vendor: 000647 - MIDWEST WHEEL COMPANY					
MIDWEST WHEEL COMPANY	3034655	12/12/2022	PARTS	600-810-6504	1,635.71
				Vendor 000647 - MIDWEST WHEEL COMPANY Total:	1,635.71
Vendor: 003950 - MISSISSIPPI VALLEY PUMP, INC.					
MISSISSIPPI VALLEY PUMP, IN	14419	12/12/2022	TRIPLEX LOGIC PANEL	610-815-6783	4,350.00
				Vendor 003950 - MISSISSIPPI VALLEY PUMP, INC. Total:	4,350.00
Vendor: 006467 - OLIN-MORLEY TELEPHONE COMPANY					
OLIN-MORLEY TELEPHONE CO	120122	12/12/2022	INTERNET	600-810-6373	104.95
				Vendor 006467 - OLIN-MORLEY TELEPHONE COMPANY Total:	104.95
Vendor: 005835 - QC ANALYTICAL SERVICES LLC					
QC ANALYTICAL SERVICES LLC	2212016	12/12/2022	TESTING	610-815-6479	845.00
QC ANALYTICAL SERVICES LLC	2212049	12/12/2022	TESTING	610-815-6479	1,793.25
				Vendor 005835 - QC ANALYTICAL SERVICES LLC Total:	2,638.25
Vendor: 006495 - RACOM CORPORATION					
RACOM CORPORATION	22INV0983	12/12/2022	MOBILE LICENSE	015-150-6542	1,993.12
				Vendor 006495 - RACOM CORPORATION Total:	1,993.12
Vendor: 004846 - SADLER POWER TRAIN					
SADLER POWER TRAIN	310183036	12/12/2022	PARTS	610-815-6470	348.24
				Vendor 004846 - SADLER POWER TRAIN Total:	348.24
Vendor: 000401 - SCHNEITER WEERS INSURANCE					
SCHNEITER WEERS INSURANC	1045	12/12/2022	insurance	001-110-6409	1,508.00
SCHNEITER WEERS INSURANC	1045	12/12/2022	insurance	015-150-6408	1,143.00
				Vendor 000401 - SCHNEITER WEERS INSURANCE Total:	2,651.00
Vendor: 000426 - SHADA/TIM					
SHADA/TIM	121222	12/12/2022	PHONE	610-815-6373	20.00
				Vendor 000426 - SHADA/TIM Total:	20.00
Vendor: 000377 - SHAFFER PLBG & HTG					
SHAFFER PLBG & HTG	1701	12/12/2022	WATER HEATERS	046-460-6475	11,065.75
				Vendor 000377 - SHAFFER PLBG & HTG Total:	11,065.75
Vendor: 001036 - SNYDER & ASSOCIATES INC.					
SNYDER & ASSOCIATES INC.	120.0620.08-15	12/12/2022	PROFESSIONAL SERVICES 151	301-213-6407	14,000.00
				Vendor 001036 - SNYDER & ASSOCIATES INC. Total:	14,000.00

Expense Approval Report

Post Dates: 11/29/2022 - 12/12/2022

Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
Vendor: 006494 - SPLASH POOL & SPA BUILDERS LLC					
SPLASH POOL & SPA BUILDER	13641	12/12/2022	REPAIRS	044-440-6475	854.30
Vendor 006494 - SPLASH POOL & SPA BUILDERS LLC Total:					854.30
Vendor: 005071 - STREICHER'S					
STREICHER'S	11600214	12/12/2022	SUPPLIES	001-110-6537	1,769.16
Vendor 005071 - STREICHER'S Total:					1,769.16
Vendor: 000740 - TAPKEN'S CONVENIENCE PLUS					
TAPKEN'S CONVENIENCE PLUS	4508	12/12/2022	FUEL	043-430-6551	175.00
TAPKEN'S CONVENIENCE PLUS	4508	12/12/2022	FUEL	110-211-6551	443.84
TAPKEN'S CONVENIENCE PLUS	4508	12/12/2022	FUEL	600-810-6551	99.00
TAPKEN'S CONVENIENCE PLUS	4508	12/12/2022	FUEL	610-815-6551	280.40
Vendor 000740 - TAPKEN'S CONVENIENCE PLUS Total:					998.24
Vendor: 006176 - THE HARTFORD					
THE HARTFORD	INV0000759	12/09/2022	AD&D	001-000-2208	55.80
THE HARTFORD	INV0000766	12/09/2022	LIFE INSURANCE	001-000-2208	418.50
THE HARTFORD	INV0000767	12/09/2022	LTD	001-000-2208	401.35
Vendor 006176 - THE HARTFORD Total:					875.65
Vendor: 000393 - TREASURER STATE OF IOWA					
TREASURER STATE OF IOWA	103122	12/02/2022	sales tax october	044-440-6491	295.79
TREASURER STATE OF IOWA	103122	12/02/2022	sales tax october	044-440-6493	49.30
TREASURER STATE OF IOWA	103122	12/02/2022	sales tax october	600-810-6491	4,198.53
TREASURER STATE OF IOWA	103122	12/02/2022	sales tax october	610-815-6491	797.36
TREASURER STATE OF IOWA	103122	12/02/2022	sales tax october	610-815-6493	132.95
TREASURER STATE OF IOWA	113022	12/02/2022	nov 22 taxes	610-815-6491	1,200.53
TREASURER STATE OF IOWA	113022	12/02/2022	nov 22 taxes	610-815-6493	200.16
TREASURER STATE OF IOWA	113022w	12/02/2022	NOV 22 WET TAX	600-810-6491	4,846.24
TREASURER STATE OF IOWA	2020Q3003	12/12/2022	INDIGENT DEFENSE FUND	001-622-6491	98.28
TREASURER STATE OF IOWA	INV0000773	12/09/2022	STATE TAX	001-000-2201	2,507.69
Vendor 000393 - TREASURER STATE OF IOWA Total:					14,326.83
Vendor: 006195 - TYLER TECHNOLOGIES, INC					
TYLER TECHNOLOGIES, INC	025-402832	12/12/2022	TRAINING	001-612-6447	300.00
TYLER TECHNOLOGIES, INC	025-403827	12/12/2022	METER READER	600-810-6490	39.38
TYLER TECHNOLOGIES, INC	025-403827	12/12/2022	METER READER	610-815-6489	39.37
Vendor 006195 - TYLER TECHNOLOGIES, INC Total:					378.75
Vendor: 004002 - U.S. CELLULAR					
U.S. CELLULAR	0546326052	12/12/2022	PHONE	001-110-6480	181.30
U.S. CELLULAR	0546326052	12/12/2022	PHONE	600-810-6373	34.31
U.S. CELLULAR	0546326052	12/12/2022	PHONE	610-815-6373	34.31
Vendor 004002 - U.S. CELLULAR Total:					249.92
Vendor: 000359 - US POSTMASTER					
US POSTMASTER	12822	12/08/2022	UB POSTAGE	600-810-6535	56.76
US POSTMASTER	12822	12/08/2022	UB POSTAGE	610-815-6535	56.76
Vendor 000359 - US POSTMASTER Total:					113.52
Vendor: 000220 - VSP Insurance Co					
VSP Insurance Co	INV0000769	12/09/2022	VSP INSURANCE	001-000-2205	346.36
Vendor 000220 - VSP Insurance Co Total:					346.36
Vendor: 000398 - WALMART COMMUNITY CARD					
WALMART COMMUNITY CAR	251839	12/12/2022	SUPPLIES	046-460-6540	28.88
WALMART COMMUNITY CAR	782881	12/12/2022	SUPPLIES	046-460-6540	31.68
WALMART COMMUNITY CAR	931931	12/12/2022	SUPPLIES	046-460-6540	21.96
Vendor 000398 - WALMART COMMUNITY CARD Total:					82.52
Vendor: 000144 - WAYNE HALL CHRYSLER					
WAYNE HALL CHRYSLER	111090	12/12/2022	REPAIRS	043-430-6470	187.60
Vendor 000144 - WAYNE HALL CHRYSLER Total:					187.60
Vendor: 005057 - WELLMARK BLUE CROSS BLUE SHIEL					
WELLMARK BLUE CROSS BLUE	INV0000760	12/09/2022	ALLIANCE HEALTH INSURANC	001-000-2205	19,299.48

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Vendor Name	Payable Number	Post Date	Description (Item)	Account Number	Amount
WELLMARK BLUE CROSS BLUE	INV0000761	12/09/2022	BLUE ADVANTAGE HEALTH IN	001-000-2205	4,292.12
Vendor 005057 - WELLMARK BLUE CROSS BLUE SHIEL Total:					23,591.60
Vendor: 005299 - WOODWARD COMMUNITY MEDIA					
WOODWARD COMMUNITY M	112247098	12/12/2022	LEGAL PUBLICATION	001-622-6414	174.25
Vendor 005299 - WOODWARD COMMUNITY MEDIA Total:					174.25
Grand Total:					393,206.01

Report Summary

Fund Summary

Fund	Expense Amount	Payment Amount
001 - GENERAL FUND	71,415.86	28,171.50
015 - FIRE SERVICE	5,653.83	0.00
041 - LIBRARY FUND	167.98	27.00
043 - PARKS & RECREATION	740.93	0.00
044 - AQUA COURT	1,234.65	345.09
046 - LAWRENCE COMMUNITY CENTER FUND	13,207.90	18.00
110 - ROAD USE TAX	4,228.41	0.00
301 - STREET PROJECTS	14,000.00	0.00
311 - WATER PROJECTS	203,234.70	203,234.70
351 - POLICE STATION RENOVATION	4,579.54	0.00
600 - WATER FUND	14,468.87	9,275.11
610 - WASTEWATER FUND	60,273.34	2,497.47
Grand Total:	393,206.01	243,568.87

Account Summary

Account Number	Account Name	Expense Amount	Payment Amount
001-000-2200	FIT HOLDING	4,963.67	4,963.67
001-000-2201	SIT HOLDING	2,507.69	2,507.69
001-000-2202	FICA HOLDING	8,029.62	8,029.62
001-000-2203	IPERS HOLDING	10,417.61	10,417.61
001-000-2204	PEDC HOLDING	337.93	0.00
001-000-2205	HEALTH & CANCER INS.	25,456.24	0.00
001-000-2206	MEDICARE HOLDING	1,877.88	1,877.88
001-000-2208	LIFE HOLDING	875.65	0.00
001-110-6155	SELF FUNDED HEALTH IN	138.03	138.03
001-110-6370	UTILITIES, GAS	586.93	0.00
001-110-6373	UTILITIES, TELEPHONE	668.41	0.00
001-110-6409	STRUCTURAL INSURANC	1,508.00	0.00
001-110-6480	COMPUTER INTERNET S	384.42	0.00
001-110-6490	SOFTWARE MAINT CON	2,370.50	0.00
001-110-6530	SUPPLIES, OPERATIONS	108.96	0.00
001-110-6535	SUPPLIES, OFFICE	35.88	0.00
001-110-6537	JCERT	1,769.16	0.00
001-110-6551	VEHICLE FUEL EXPENSES	1,322.01	0.00
001-110-6553	MISCELLANEOUS EXPEN	70.01	70.01
001-210-6155	SELF FUNDED HEALTH IN	36.00	36.00
001-610-6479	CONTRIBUTIONS TO OUT	1,500.00	0.00
001-612-6373	UTILITIES, TELEPHONE	49.85	0.00
001-612-6447	TRAINING EXPENSES	300.00	0.00
001-612-6490	MAINT. CONTRACT SOFT	2,370.50	0.00
001-622-6155	SELF FUNDED HEALTH IN	36.00	36.00
001-622-6373	UTILITIES, TELEPHONE	272.37	0.00
001-622-6401	AUDITING SERVICES	1,585.00	0.00
001-622-6414	PUBLIC NOTICES	174.25	0.00
001-622-6430	MEMBERSHIP DUES & S	14.99	14.99
001-622-6470	MAINT. CONTRACT OFFI	249.00	0.00
001-622-6491	PROFESSIONAL SERVICE	297.28	60.00
001-622-6535	SUPPLIES/NONCAP EQUI	266.53	0.00
001-622-6536	SUPPLIES, COMPUTER	432.00	0.00
001-622-6542	SUPPLIES, MISCELLANEO	20.00	20.00
001-650-6370	UTILITIES, GAS	383.49	0.00
015-150-6370	UTILITIES, GAS	552.09	0.00
015-150-6408	INSURANCE EXPENSE	1,143.00	0.00
015-150-6475	MAINTENANCE, GROUN	1,355.89	0.00
015-150-6542	SUPPLIES, MISCELLANEO	1,993.12	0.00
015-150-6551	VEHICLE FUEL EXPENSES	609.73	0.00
041-410-6155	SELF FUNDED HEALTH IN	27.00	27.00

Account Summary

Account Number	Account Name	Expense Amount	Payment Amount
041-410-6373	UTILITIES, TELEPHONE	140.98	0.00
043-430-6310	CONTRACT, MAINTENAN	8.79	0.00
043-430-6373	UTILITIES, TELEPHONE	122.67	0.00
043-430-6470	MAINTENANCE, EQUIP	434.47	0.00
043-430-6551	FUEL EXPENSE	175.00	0.00
044-440-6370	UTILITIES, GAS	35.26	0.00
044-440-6475	MAINTENANCE, BLDGS	854.30	0.00
044-440-6491	SALES TAXES PAID	295.79	295.79
044-440-6493	LOCAL OPTION SALES TA	49.30	49.30
046-460-6155	SELF FUNDED HEALTH IN	18.00	18.00
046-460-6370	UTILITIES, GAS	1,442.94	0.00
046-460-6475	MAINTENANCE, BLDGS	11,217.69	0.00
046-460-6540	SUPPLIES, BLDGS. & GR	119.39	0.00
046-460-6542	SUPPLIES, MISCELLANEO	409.88	0.00
110-211-6181	ALLOWANCE, UNIFORM	69.99	0.00
110-211-6370	UTILITIES, GAS	531.52	0.00
110-211-6373	UTILITIES, TELEPHONE	60.00	0.00
110-211-6474	MAINTENANCE, VEHICLE	35.00	0.00
110-211-6523	GROUND & BLDG. MAI	49.89	0.00
110-211-6530	SUPPLIES, OPERATIONS	694.28	0.00
110-211-6535	SUPPLIES, OFFICE	471.41	0.00
110-211-6543	SUPPLIES, STREET MAIN	550.00	0.00
110-211-6551	VEHICLE FUEL EXPENSES	1,766.32	0.00
301-213-6407	PROF. SERVICES, ENGINE	14,000.00	0.00
311-811-6555	CONSTRUCTION	203,234.70	203,234.70
351-111-6490	PROFESSIONAL SERVICE	4,579.54	0.00
600-810-2901	ACCOUNTS PAYABLE	133.50	0.00
600-810-6155	SELF FUNDED HEALTH IN	27.00	27.00
600-810-6181	ALLOWANCE, UNIFORM	70.00	0.00
600-810-6370	UTILITIES, GAS	185.24	0.00
600-810-6373	UTILITIES, TELEPHONE	201.24	0.00
600-810-6445	TRAINING, REGISTRATIO	146.58	146.58
600-810-6490	MAINT. CONTRACT SOFT	39.38	0.00
600-810-6491	SALES TAXES PAID	9,044.77	9,044.77
600-810-6504	EQUIPMENT, SMALL	1,635.71	0.00
600-810-6530	SUPPLIES, OPERATIONS	116.83	0.00
600-810-6535	SUPPLIES, OFFICE	56.76	56.76
600-810-6536	SUPPLIES, COMPUTER	216.00	0.00
600-810-6551	FUEL EXPENSE	2,595.86	0.00
610-815-2901	ACCOUNTS PAYABLE	133.50	0.00
610-815-6155	SELF FUNDED HEALTH IN	18.00	18.00
610-815-6370	UTILITIES, GAS	2,267.53	0.00
610-815-6373	UTILITIES, TELEPHONE	289.79	0.00
610-815-6445	TRAINING, REGISTRATIO	32.29	32.29
610-815-6470	MAINTENANCE, EQUIP	562.50	0.00
610-815-6479	PROF. SERVICES - TESTIN	2,638.25	0.00
610-815-6489	PROFESSIONAL SERVICE	39.37	0.00
610-815-6491	SALES TAXES PAID	1,997.89	1,997.89
610-815-6493	LOCAL OPTION SALES TA	333.11	333.11
610-815-6530	OPERATIONS SUPPLIES	316.86	0.00
610-815-6535	SUPPLIES, OFFICE	56.76	56.76
610-815-6536	SUPPLIES, COMPUTER	216.00	0.00
610-815-6551	FUEL EXPENSE	3,158.30	0.00
610-815-6553	MISCELLANEOUS EXPEN	59.42	59.42
610-815-6559	MAINTENANCE, EQUIP	677.96	0.00
610-815-6722	EQUIPMENT, OPERATIO	43,125.81	0.00
610-815-6783	WASTEWATER TREATME	4,350.00	0.00
Grand Total:		393,206.01	243,568.87

Project Account Summary

Project Account Key	Expense Amount	Payment Amount
None	393,206.01	243,568.87
Grand Total:	393,206.01	243,568.87