



**THE BOARD OF TRUSTEES OF THE TOWN OF MESILLA WILL HOLD A REGULAR MEETING ON MONDAY, APRIL 8, 2019 AT 6:00 P.M. IN THE BOARD ROOM OF THE MESILLA TOWNHALL, 2231 AVENIDA DE MESILLA.**

1. PLEDGE OF ALLEGIANCE
2. ROLL CALL & DETERMINATION OF A QUORUM
3. CHANGES TO THE AGENDA & APPROVAL
4. PUBLIC INPUT – The public is invited to address the Board for up to 3 minutes.
5. **\*APPROVAL OF CONSENT AGENDA** – The Board will be asked to approve by one motion the following items of recurring or routine business. The Consent Agenda is marked with an asterisk \*:
  - A. **\*BOT Minutes** – Minutes of a Regular Meeting March 25, 2019.
  - B. **\*PZHAC Case 060852** – 2195 Calle del Norte, submitted by Jorge Larrazabal; a request for a zoning permit to allow the construction of a carport, garage, and storage structure as an addition to an existing dwelling at this address. Zoned: Historical Residential (HR).
  - C. **\*PZHAC Case 060862** – 2206 Avenida de Mesilla, submitted by Jake Quinones of Quinones Design/Build for Emilie Cano; a request for a zoning permit to allow the repair of the adobe walls and roof on a dwelling at 2206 Avenida de Mesilla. Zoned: Historical Commercial (HC).
  - D. **\*PZHAC Case 060821** - Submitted by Christina DiMatteo; a request for a summary subdivision to allow for a lot line adjustment to combine a 0.30-acre property at 3066 Snow Road with a 0.18-acre property immediately to the south, and to adjust the western lot line of the two properties to create a single 0.69-acre property. Zoned: Rural Agricultural (RA).
6. NEW BUSINESS:
  - A. **For 1<sup>st</sup> Reading/Public Hearing: Ordinance 2019-02:** An ordinance revising Chapter 15.20 International Fire Code. – *Captain Greg Whited/Chief Kevin Hoban, Mesilla Fire Department.*
  - B. **Resolution 2019-04:** A resolution authorizing and approving submission of a completed application for financial assistance and project approval to the New Mexico Finance Authority for a Custom type I Fire Apparatus. – *Chief Kevin Hoban, Mesilla Fire Department.*
  - C. **Resolution 2019-05:** Acceptance and Approval of the FY 2018 Audit. – Presentation by *Erick Robinson, Integrity Accounting. (added 4/5/19 @8:48am)*
  - D. **Approval of Award:** A construction contract to A Mountain Professional Construction Company for the Calle de Parian Reconstruction & Improvements Project in the amount of \$94,728.10 (w/o GRT) funded from New Mexico Department of Transportation (NMDOT) Local Government Road Fund (LGRF). – *Rod McGillivray, Public Works Director/John Montoya, P.E. Molzen Corbin.*

**7. \*STAFF REPORTS:**

Community Development  
Community Programs  
Finance Department  
Fire Department  
Marshal's Department  
Public Works Department

**8. BOARD OF TRUSTEE COMMITTEE REPORTS**

**9. BOARD OF TRUSTEE/STAFF COMMENTS**

**10. ADJOURNMENT**

**NOTICE:**

If you need an accommodation for a disability to enable you to fully participate in the hearing or meeting, please contact us at 524-3262 at least one week prior to the meeting. The Mayor and Trustees request that all cell phones be turned off or set to vibrate. Members of the audience are requested to step outside the Board Room to respond to or to conduct a phone conversation. A copy of the agenda packet can be found online at [www.mesillanm.gov](http://www.mesillanm.gov).

Posted 4/4/19 revised 4/5/19 and reposted at 9:00 a.m. at the following locations: Town Clerk's Office 2231 Avenida de Mesilla, Public Safety Building 2670 Calle de Parian, Mesilla Community Center 2251 Calle de Santiago, Shorty's Food Mart 2290 Avenida de Mesilla, Ristramn Chile Co., 2531 Avenida de Mesilla and the U.S. Post Office 2253 Calle de Parian.



**BOARD OF TRUSTEES  
TOWN OF MESILLA  
REGULAR MEETING  
MONDAY, MARCH 25, 2019  
6:00 P.M.**

- TRUSTEES:** Nora L. Barraza, Mayor  
Jesus Caro, Mayor Pro Tem (absent)  
Carlos Arzabal, Trustee (absent)  
Veronica Garcia, Trustee  
Stephanie Johnson-Burick, Trustee
- STAFF:** Cynthia Stoechner-Hernandez, Town Clerk/Treasurer  
K.C. Alberg, Marshal  
Kevin Hoban, Fire Chief  
Rod McGillivray, Public Works Director  
Lawrence Shannon, Community Development  
Gloria Maya, Recorder
- PUBLIC:** Susan Krueger

**1. PLEDGE OF ALLEGIANCE**

Mayor Barraza led the Pledge of Allegiance.

**2. ROLL CALL & DETERMINATION OF A QUORUM**

**Roll Call.**

**Present:** Mayor Barraza, Trustee Garcia, Trustee Johnson-Burick.

**3. CHANGES TO THE AGENDA & APPROVAL**

Mayor Barraza requested removing item 5b from the consent agenda and placing it on the regular agenda.

Trustee Garcia addressed the corrections need to the March 11<sup>th</sup> minutes.

**Motion:** To approve agenda as amended, **Moved by** Trustee Johnson-Burick, **Seconded by** Trustee Garcia.

**Roll Call Vote:** Motion passed (**summary:** Yes =2).

Trustee Garcia Yes

Trustee Johnson-Burick Yes

**4. PUBLIC INPUT** – The public is invited to address the Board for up to 3 minutes.

Ms. Krueger stated the Black Rat Tattoo application identifies the casita as an Air b&b which the Town of Mesilla does not have a definition for. This looks like it will be a home occupation which is not allowed in a

1 Commercial or Historic Commercial Zones. She cited Town Code 18.45.020. This may need a Special Use  
2 Permit.

3  
4 **5. \*APPROVAL OF CONSENT AGENDA – The Board will be asked to approve by one motion**  
5 **the following items of recurring or routine business. The Consent Agenda is marked with an**  
6 **asterisk \*:**

7 **Motion:** To approve consent agenda as amended, **Moved by** Trustee Johnson-Burick, **Seconded by** Trustee  
8 Garcia.

9  
10 **Roll Call Vote:** Motion passed (**summary:** Yes =2).

11 Trustee Garcia Yes

12 Trustee Johnson-Burick Yes

13  
14 **A. \*BOT Minutes** – Minutes of a Work Session and Regular meeting of March 11, 2019.  
15 Ms. Garcia requested correction to the agenda. *Approved by consent agenda*

16 **B. \*PZHAC Case 060653** – 2196 Calle de Medanos, submitted by Conrad Estrada of Images N’Iron  
17 for Little Fawn Boland; a request to modify an approved zoning permit to allow the installation of  
18 gates on the front wall of a dwelling at this address. Zoned: Historical Residential (HR).

19  
20 Mr. Shannon stated the resident would like to install metal folding frame gates with automatic closures. The  
21 gates on the left will extend to the curb, gates on the east side will have one side extend into the property and the  
22 other extend out to the curb. The gate on the right-hand side when folded will be 2” lower than the wall.

23  
24 Mayor Barraza asked who will monitor that the gates do not remain open. She understands that the panels will  
25 not be metal.

26  
27 Mr. Shannon responded the panels will be cedar with metal framing.

28  
29 Mayor Barraza stated the gates should be limited to 3ft in height to be in compliance with the ordinance.

30  
31 Trustee Johnson-Burick stated she is also concerned on how the gates will be monitored.

32  
33 Mr. Shannon responded the gates will swing up to the curb; they are not allowed to go into the street.

34  
35 Mayor Barraza stated she understands the 2 doors will fold like an accordion.

36  
37 Trustee Garcia stated she has the same concerns.

38  
39 Mayor Barraza stated if this is approved, Mr. Shannon will need to monitor the construction of the gates to  
40 insure they follow what is proposed and what is being approved.

41  
42 **Roll Call Vote:** Motion passed (**summary:** Yes =2).

43 Trustee Garcia Yes

44 Trustee Johnson-Burick Yes

45  
46 **C. \* PZHAC Case 060863** – 2417 & 2419 Calle de Parian, submitted by Davie and Kelly Salas; a  
47 request for a zoning permit to allow the construction of short latia privacy fences on patios  
48 attached to the two dwellings at the rear of these properties. Zoned: Historical Residential (HR).  
49 *Approved by consent agenda*

1  
2 **6. OLD BUSINESS:**

3 **A. PZHAC Case 060848** – Southwest corner of Calle de Correo and Avenida de Mesilla, submitted  
4 by Ruben Contreras for Brittany Bloch (“Black Rat Tattoo”), a request for a zoning permit to  
5 construct a small commercial building and a casita on a vacant property at this location. Zoned:  
6 Historical Commercial (HC).

7  
8 Mr. Shannon stated the Planning and Zoning interpreted this is allowed in the Commercial Zone; cited the  
9 ordinance. This application meets parking requirement as well. Short Term Rental is the term we are using and  
10 would be allowed.

11  
12 Mayor Barraza stated she was concerned with the size of the property and what was being proposed. There was  
13 a conflict on what the Town of Mesilla and what Dona Ana County has for the size of the property. Mr.  
14 Shannon used the information on the parcel map. She cited code 18.45.020. The buildings are on the property  
15 lines in some areas with no setbacks. The residential area does not show a ponding area. A Site Development  
16 Plan was provided. There was a concern there would be enough space for a vehicle to back up and exit lot. She  
17 would like to see a site plan that shows exact dimensions. She has a concern having residential and commercial  
18 on same lot.

19  
20 Trustee Johnson-Burick stated she expressed her concerns at the last meeting. Trustee Arzabal also brought up  
21 there is not an Airbnb ordinance in place. She is concerned with having residential such as a casita in a  
22 Commercial Zone and opening precedent. She is not comfortable with this application as it states it will be a  
23 rental property.

24  
25 Trustee Garcia asked if this does not work out what will be the next option. She would like for them to reapply  
26 with correct information. She is not comfortable with this currently.

27  
28 Mayor Barraza stated she is not against a tattoo shop. The proposed buildings are beautiful and would enhance  
29 that area. She is concerned with have 2 separate buildings on a small lot. The Steinborn building was  
30 residential and commercial at one time. It is now commercial and an Airbnb in one building. Making it one  
31 building could be an option. We want to work with the applicants, but we need to do what is right for the Town  
32 of Mesilla. She asked if the board what they would like to do.

33  
34 Trustee Johnson-Burick stated she would like to vote this evening on what is before them and called for the  
35 question

36  
37 **Motion:** To approve **PZHAC Case 060848** – Southwest corner of Calle de Correo and Avenida de Mesilla,  
38 submitted by Ruben Contreras for Brittany Bloch (“Black Rat Tattoo”), a request for a zoning permit to  
39 construct a small commercial building and a casita on a vacant property at this location. Zoned: Historical  
40 Commercial (HC), **Moved by** Trustee Johnson-Burick, **Second by** Trustee Garcia.

41  
42 Trustee Johnson-Burick reiterated it is not about the business itself, it is about the casita.

43  
44 Mr. Shannon stated the approval is for a commercial building not a business.

45  
46 **Roll Call Vote:** Motion FAILED (summary: No =2).

47 Trustee Garcia No

48 Trustee Johnson-Burick No

1           **B. For Approval: Ordinance 2018-03**: amending Chapter 6.05 Animal Control. – *K.C. Alberg,*  
2           *Marshal.*

3 Mayor Barraza stated we have had worksessions, several discussions and a 1<sup>st</sup> Reading on this proposed  
4 ordinance. We have requested community input during this process as well. Recommendations and comments  
5 were made by Mr. John Darden and Trustee Johnson-Burick. As per Ms. Stoechner-Hernandez we would have to  
6 begin the process again if we incorporate the comments we just received.  
7

8 Marshal Alberg responded he did review some of the comments and some of these items are defined in State  
9 Law which people cannot hide behind. We have done a comprehensive sweep of draft procedures that will come  
10 to the board. Not options have the same authority.

11  
12 Mayor Barraza stated there are some needed typo corrections.

13  
14 Trustee Garcia asked who pays when an animal must be put down.

15  
16 Marshal Alberg responded when needed we call the county and we pay for impounding cost. If an animal is  
17 taken into custody, we are responsible for the bill and attempt recovery through the court.

18  
19 Trustee Johnson-Burick stated she is also looking at it as a liability issue. She asked if some of these things can  
20 be addressed in the operating procedures.

21  
22 Marshal Alberg responded he presented a copy for potential adoption by the board. The draft is not set in stone.  
23 The ordinance does not need to redefine what State Law already defines.

24  
25 Trustee Johnson-Burick stated she appreciates his understanding of the issues.

26  
27 Marshal Alberg stated we are committed to educating our residents. We would like to do TNR conjunction with  
28 our partners.

29  
30 Mayor Barraza stated she could not find the section referenced by Trustee Johnson-Burick email.

31  
32 Trustee Johnson-Burick responded she referenced the wrong section; it was in the minutes from the last  
33 meeting.

34  
35 Marshal Alberg stated if there is extreme cruelty; beyond what we would feel comfortable taking to the  
36 municipal judge, we would go under State Law as this ordinance would have no bearing.

37  
38 **Motion:** To approve Ordinance 2018-03: amending Chapter 6.05 Animal Control, **Moved by** Trustee Johnson-  
39 Burick, **Seconded by** Trustee Garcia.

40  
41 **Roll Call Vote:** Motion passed (**summary:** Yes =3).

42 Trustee Garcia Yes

43 Trustee Johnson-Burick Yes

44 Mayor Barraza Yes  
45

46           **C. Resolution 2019-01**: A resolution establishing a schedule of fines, fees and penalties per MTC  
47           (Mesilla Town Code) Chapter 6.05 Animal Control. – *K.C. Alberg, Marshal.*

48 Marshal Alberg read Resolution 2019-01.  
49

50 **Motion:** To approve Resolution 2019-01: A resolution establishing a schedule of fines, fees and penalties per

1 MTC (Mesilla Town Code) Chapter 6.05 Animal Control, **Moved by** Trustee Johnson-Burick, **Seconded by**  
2 Trustee Garcia.

3  
4 Trustee Johnson-Burick asked if fee adjustments will be brought back to the board for an increase if it is felt it is  
5 needed.

6  
7 Marshal Alberg responded he will come to the board for an increase; we need to be fiscally responsible.

8  
9 Mayor Barraza stated by passing a resolution avoids having to change the ordinance each time.

10  
11 **Roll Call Vote:** Motion passed (**summary:** Yes =2).

12 Trustee Garcia Yes

13 Trustee Johnson-Burick Yes  
14  
15

16 **7. NEW BUSINESS:**

17 **A. Resolution 2019-03:** A resolution declaring an emergency of the water system for repairs to be  
18 completed in the Raasaf Hills area. – **Nora L. Barraza, Mayor.** (*ADDED 3/22/19 @ 2:44 PM*)  
19 Mr. McGillivray reviewed the issues that are being encountered. We are looking at an estimate of \$40K.

20  
21 Mayor Barraza stated we are fortunate that we have the money in our Enterprise Fund.

22  
23 Ms. Stoechner-Hernandez stated we do have the money in the bank, but a budget adjustment will need to be  
24 made.

25  
26 Mayor Barraza stated we were receiving calls from the residents in the Rasaaf area. Pure Ops assisted in getting  
27 water for the area as a temporary fix. This is a repair that is needing to be done.

28  
29 Trustee Johnson-Burick asked if the part that we waited 8 weeks to come in did not work.

30  
31 Mr. McGillivray responded the part worked but we could not find the valve to shut off the water. This is the  
32 beginning of a major renovation that is needed.

33  
34 Trustee Johnson-Burick asked if any of this would involve the city or would the town be absorbing all the cost.

35  
36 Mayor Barraza responded this is our water system. We are fortunate we have the money to do these fixes. As  
37 Mr. McGillivray stated this is the beginning of a long-term project. The Raasaf Hills water system, which we  
38 got from Jornada Water, creating all the problems belongs to the town. We are speaking to engineers on how to  
39 correct these problems we inherited. We will be looking for grants or we may have to go out for a loan. We  
40 are looking at tapping into Colonia Funding since it belongs to the county. The board will be kept posted.

41  
42 Trustee Garcia asked how much did Pure Ops charge for the temporary fix and is that coming out of the \$40K.  
43 She asked what we will do if it cost more than \$40K.

44  
45 Mr. McGillivray responded Pure Ops fee is not coming out of the \$40K.

46  
47 Mrs. Stoechner-Hernandez responded for procurement purposes we can go up to \$60K before going out to RFP.  
48 If it goes over the \$60K we will have the approved resolution declaring an emergency, and therefore, we will  
49 not break procurement rules. She does not foresee it going over the \$40K but there is money in the bank if it  
50 does.

1  
2 Trustee Garcia asked when we will know.  
3  
4 Ms. Stoechner-Hernandez responded we will be getting a cost estimate this week.  
5  
6 Mr. McGillivray stated we will give the board an update.  
7  
8 Mayor Barraza stated this will be a long-term fix. We are looking at doing away with that well and tying the  
9 area into our wells. The cost would be from \$200K to \$350K to fix the total problem; we cannot afford to pay  
10 back a loan. We will look at what is best for the town.  
11  
12 Mr. McGillivray stated the project could possibly be done in phases.  
13  
14 **Motion:** To approve Resolution 2019-03: A resolution declaring an emergency of the water system for repairs  
15 to be completed in the Raasaf Hills area, **Moved by** Trustee Johnson-Burick, **Seconded by** Trustee Garcia.  
16  
17 Mayor Barraza stated the resolution will come into play if it is over \$60K.  
18  
19 **Roll Call Vote:** Motion passed (**summary:** Yes =2).  
20 Trustee Garcia Yes  
21 Trustee Johnson-Burick Yes  
22  
23 **B. For Appointment:** A Mayor Pro-Tem to serve for one year pursuant to MTC 2.15.060.  
24 Trustee Garcia nominated Trustee Johnson-Burick as Mayor Pro-Tem.  
25  
26 **Motion:** To approve the appointment of Trustee Johnson-Burick as Mayor Pro-Tem to serve one year, **Moved**  
27 **by** Trustee Garcia, **Seconded by** Trustee Johnson-Burick.  
28  
29 **Roll Call Vote:** Motion passed (**summary:** Yes =2).  
30 Trustee Garcia Yes  
31 Trustee Johnson-Burick Yes  
32  
33 **C. For Appointment:** a representative to serve on each of the following committees:  
34 • Southwestern Area Workforce Development Board – Trustee Arzabal (2 years)  
35 Mayor Barraza (alternate)  
36 • South Central Council of Governments, Inc. – Mayor Barraza (2 years)  
37 Trustee Arzabal (alternate)  
38 • Lower Rio Grande Water Users Organization – Trustee Caro (2 years)  
39 Mr. McGillivray  
40 • Metropolitan Planning Organization (MPO) – Mayor Barraza  
41 Mayor Pro Tem Johnson-Burick  
42 Trustee Garcia  
43 • South Central Regional Transit District (RTD) – Mayor Barraza  
44 Trustee Garcia (alternate)  
45 • MPO Technical Advisory Committee – Mr. Shannon  
46 Mr. Gillivray  
47 Mr. Lucero



- MPO Bicycle Committee

– Ms. Curry  
Sergeant Shepan

**Motion:** To approve the appointment of representatives to serve on committees, **Moved by** Mayor Pro Tem Johnson-Burick, **Seconded by** Trustee Garcia.

**Roll Call Vote:** Motion passed (**summary:** Yes =2).

Trustee Garcia Yes

Trustee Johnson-Burick Yes

### 8. BOARD OF TRUSTEE COMMITTEE REPORTS

Trustee Johnson-Bruick stated a Special MPO meeting was held for the hiring of the MPO manager; second interviews will be held Thursday, April 4<sup>th</sup>.

Mayor Barraza stated last Thursday we had a wonderful Designation of Wilderness Area celebration at La Cueva picnic area. Attended Special MPO Meeting; RTD meeting cancelled; SCCOG quarterly meeting March 29<sup>th</sup> at 10:00 a.m. at City Hall; offices will be closed Monday, April 1<sup>st</sup>; NMML District Meeting will be April 2<sup>nd</sup> at Hotel Encanto; Board of Trustees meeting will be Monday, April 8<sup>th</sup>. We are beginning the budget process; worksession will be schedule for preliminary planning. We will have a 1<sup>st</sup> reading of the Fire Ordinance on April 8<sup>th</sup>. Ms. Stoechner-Hernandez and I are working on the Sign Ordinance.

### 9. BOARD OF TRUSTEE/STAFF COMMENTS

Trustee Garcia stated she would like to attend the NMML meeting on April 2<sup>nd</sup>. She thanked Marshal Alberg for his work on the Animal Control ordinance.

Trustee Johnson-Burick thanked staff for all their hard work and what they do for the residents.

Mayor Barraza appreciates the board recognizing the staff for all they do for the town and its residents.

### 10. ADJOURNMENT

**The Town of Mesilla Trustees unanimously agreed to adjourn the meeting. (Summary: Yes-3)**

**MEETING ADJOURNED AT 7:22 P.M.**

**APPROVED THIS 8<sup>TH</sup> DAY OF APRIL, 2019.**

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Nora L. Barraza  
Mayor

**ATTEST:**

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Cynthia Stoechner-Hernandez  
Town Clerk/Treasurer

**BOT ACTION FORM**  
**ZONING PERMIT 060852**  
**[PZHAC REVIEW – 4/2/2019]**  
**STAFF ANALYSIS**

**(Decision was based on information presented during the Work Session – Item 1)**

**Item:**

**Case 060852** – 2195 Calle del Norte, submitted by Jorge Larrazabal; a request for a zoning permit to allow the construction of a carport, garage, and storage structure as an addition to an existing dwelling at this address. Zoned: Historical Residential (HR)

**Staff Analysis:**

The proposed request was discussed in the PZHAC Work Session held prior to this meeting. (Please refer to the information provided in the write-up for this item in the Work Session.)

If it is determined that the proposed carport and storage addition will be acceptable for the zoning of the property, or if an alternate solution is arrived at, then the request can proceed on the assumption that all requirements of the Code will be satisfied. The PZHAC should continue on to approve the request based on the Findings stated below.

If, on the other hand, it is determined that the proposed carport and storage addition will not be acceptable to the zoning of the property, and no other solution can be reached, then the PZHAC should either postpone the request further until the applicant can return with a proposal that meets the standards set forth by the PZHAC; or the PZHAC should deny the request based on the request not meeting any or all of the Findings as listed.

**Estimated Cost: @ \$8000.00**

**Consistency with the Code:**

The PZHAC will need to determine that the proposed carport and storage addition will be consistent with the zoning requirements for this property. Additionally, the PZHAC will also need to determine that the request, as submitted, is consistent with the all other sections of the **Building and Zoning Codes** that may be applied to this project.

**Findings:**

- The PZHAC has jurisdiction to review and approve this request.
- The proposed work consists of installation of a carport and storage addition to a dwelling on a residential property at 2195 Calle del Norte
- The PZHAC has determined that the proposed work meets all applicable Code requirements.

**PZHAC OPTIONS:**

1. Recommend approval of the requested zoning permit to the BOT.
2. Recommend approval of the requested zoning permit with conditions to the BOT.
3. Reject the permit.

**PZHAC ACTION:**

*The PZHAC determined that the proposed structure, which will be built as an addition to the existing dwelling, will be compatible with the existing dwelling as well as the surrounding development zone, and voted 3 – 0 to recommend APPROVAL of this request to the BOT.*

**BOT OPTIONS:**

1. Approve the application as recommended by the PZHAC.
2. Approve the application with conditions.
3. Reject the application.

**BOT ACTION:**

**PZHAC WORK SESSION  
APRIL 2, 2019  
ITEM 1**

Submitted by Jorge Larrazabal; a request to discuss plans to construct a carport, garage, and storage structure as a 720 square foot addition to an existing dwelling on a residential at property at 2195 Calle del Norte. (Case 060852) Zoned: Historical Residential (HR)

**DESCRIPTION OF REQUEST:**

The applicant originally appeared before the PZHAC at the March 18 work session to discuss plans to construct a metal carport and storage structure on this property. The original metal structure proposed was determined to be incompatible with the area and was denied because it was considered to be out of character with the development zone.. As a result of this decision, the applicant would now like to construct a site-built carport and garage/ storage structure as an addition to the existing dwelling. The proposed addition, which will be 36 feet long by 20 feet wide and 11 feet 4 inches tall will be built in the same style and as a continuation of the dwelling and will be stuccoed to match the texture and color of the dwelling. The addition will have a flat roof that will match the existing dwelling. (Attached are photos of two carports in the Historic area that the applicant would like to use as examples of what the carport will be like.)

The dwelling does appear in the Historical Register and was considered to be architecturally contributing to its surroundings, even though substantial additions and alterations to the structure had taken place in the fifteen years prior to the dwelling being included in the application for the Historic Register. (According to the Register, the original structure was built around 1880.) Further additions and alterations to the dwelling were approved by the Town in 2001 with the result that the footprint and appearance of the dwelling was substantially changed from that which was described in the Historical Register (see attached site plan showing 2001 changes approved by Town). Although the exterior of the dwelling was substantially changed, the flat roof was still retained. Additionally, a ponding area for the property added in 2001 may need to be relocated in order to accommodate the proposed structure (see site plan from 2001).

**CONSISTENCY WITH THE CODE:**

The PZHAC will need to determine that the proposed wall will be compatible with the historical aspect of the surrounding area, and will be consistent with the following section of the Code:

**Chapter 18.35 HR – Historical Residential Zone**

The proposed wall could be compatible with the HR zoning of the property if it is completed and painted to match the rest of the dwelling.

The applicant will be present at the work session to provide further details about the proposed construction of the walls and shed, and will be available to answer any questions that may arise.

**PHOTO OF PROPERTY FROM CALLE DE ARROYO SHOWING THE PROPERTY**



# Doña Ana County, NM

General Reference Maps

2014 Aerial

Addresses

County Address Points

Select Search Type:

Maps

Legend

## Map Themes

Parcels

UDC Zoning

Roads and Transportation

NM House Districts

NM Senate Districts

County Commission Districts

City Council Districts

Median Household Income

General Land Ownership

Account Number: [R0400222](#)

Parcel Number: 4006137149393

Owner: ESDERS PATRICK & DORIS O'BRIEN

Mail Address: 215 E 80TH ST APT 10L

Subdivision:

Property Address: 2195 CALLE DEL NORTE

Acres: 0

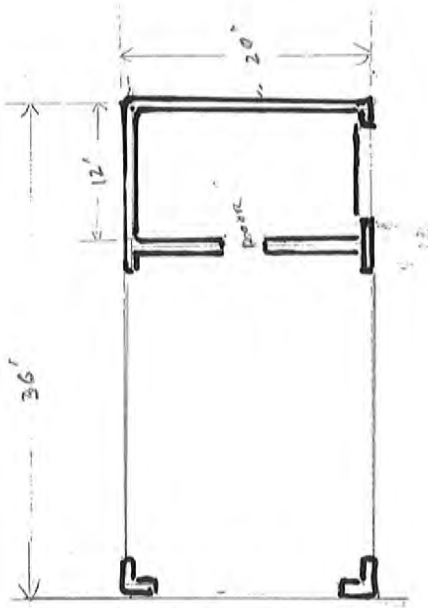


**EXAMPLE AT 2878 CALLE DE SAN ALBINO**

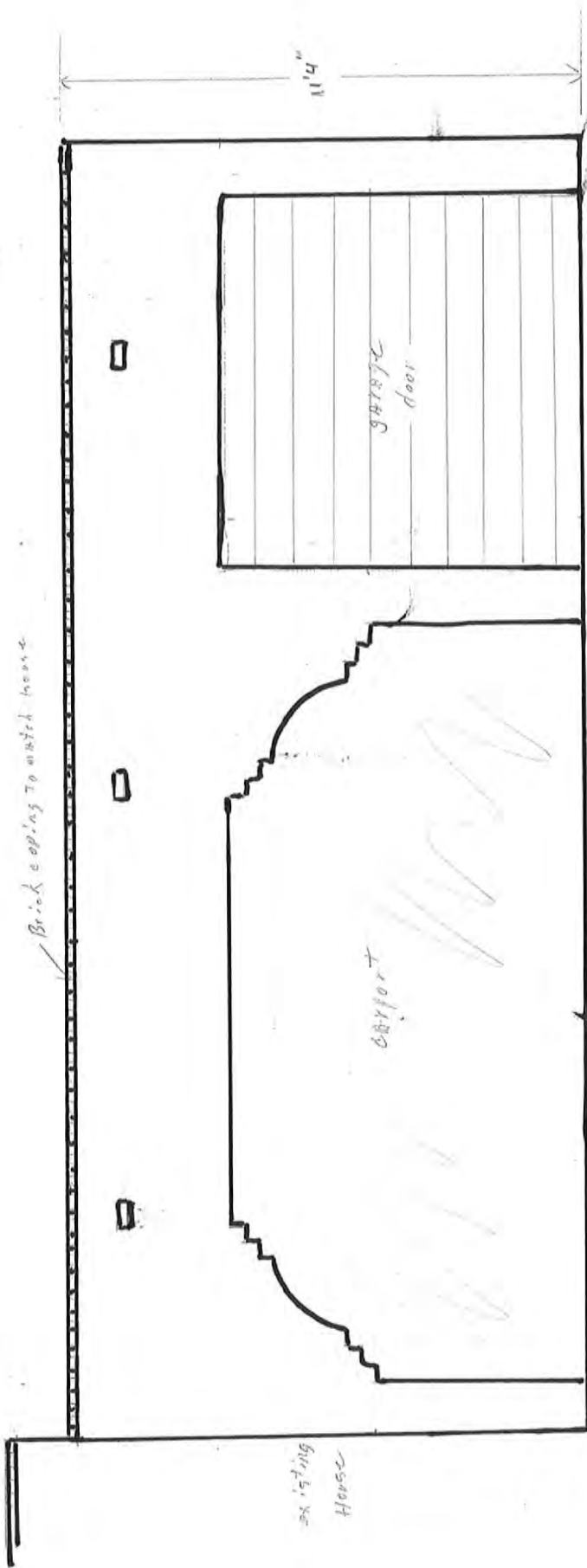


**EXAMPLE AT 2523 CALLE DEL NORTE**





(NOT TO SCALE)



Brick coping to match house

existing House

**TOWN OF MESILLA**  
 PERMISSION TO CONDUCT WORK  
 OR

OBTAIN A COMMERCIAL/RESIDENTIAL BUILDING PERMIT

OFFICIAL USE ONLY:

Case # 060852

Fee \$ 22.50

2231 Avenida de Mesilla, P.O. Box 10, Mesilla, NM 88046 (575) 524-3262 ext. 104

CASE NO. 060852 ZONE: HR CODE: AC APPLICATION DATE: 2/14/2019

Jorge Larrazabal Name of Applicant/Owner 646.314.1667 Applicant's Telephone Number

PO Box 510 Applicant's/Owner's Mailing Address Mesilla City NM State 88046 Zip Code

LJA9372@Gmail.com Applicant's/Owner's E-mail Address

Texas Star steel LLC Contractor's Name & Address (if none, indicate Self)

915.701.9220 Contractor's Telephone Number \_\_\_\_\_ Contractor's Tax ID Number \_\_\_\_\_ Contractor's License Number \_\_\_\_\_

Address of Proposed Work: 2195 Calle de el Norte

Description of Proposed Work: Build a Carport with a storage unit

\$ 8000.00 Estimated Cost \_\_\_\_\_ Signature of Applicant \_\_\_\_\_ Date 2-14-2019

Signature of property owner if applicant is not the property owner: Doris O'Brien Enders

With the exception of administrative approvals, all permit requests must undergo a review process from staff, PZHAC and BOT before issuance of a building permit. Recorded proof of ownership with legal description of property (deed or current tax bill) along with verification of legally subdivided status of the property are required. **Plan sheets are to be no larger than 11 x 17 inches.**

**FOR OFFICIAL USE ONLY**

PZHAC  Administrative Approval  Approved Date: \_\_\_\_\_  
 Approved Date: \_\_\_\_\_ BOT  Disapproved Date: \_\_\_\_\_  
 Disapproved Date: \_\_\_\_\_  Approved with Conditions  
 Approved with conditions

FIRE INSPECTION/APPROVAL REQUIRED: \_\_\_ YES  NO \_\_\_ SEE CONDITIONS

CID PERMIT/INSPECTION REQUIRED:  YES \_\_\_ NO \_\_\_ SEE CONDITIONS

CONDITIONS: PZHAC REVIEW & BOT FINAL APPROVAL REQUIRED  
CID PERMIT REQUIRED

PERMISSION ISSUED/DENIED BY: \_\_\_\_\_ ISSUE DATE: \_\_\_\_\_

This Application will include the following, if checked:

1. \_\_\_ Plot plan with legal description to show existing structures, adjoining streets, driveway(s), improvements & setbacks. Verification shall show that the lot was legally subdivided through the Town of Mesilla or that the lot has been in existence prior to February 1972.
2. \_\_\_ Site Plan with dimensions and details.
3. \_\_\_ Proof of legal access to the property.
4. \_\_\_ Drainage plan.
5. \_\_\_ Architectural style and color scheme – diagrams or elevations (Historical and commercial zones only).
6. \_\_\_ Proof of sewer service or a copy of septic tank permit; proof of water service (well permit or statement from the Public Utility providing water services).
7. \_\_\_ Other information as necessary or required by the City Code or Community Development:





**BOT ACTION FORM**  
**ZONING PERMIT 060862**  
**[PZHAC REVIEW – 4/2/2019]**  
**STAFF ANALYSIS**

**(Decision was based on information presented during the Work Session – Item 2)**

**Item:**

**Case 060862** – 2206 Avenida de Mesilla, submitted by Jake Quinones of Quinones Design/Build for Emilie Cano; a request for a zoning permit to allow the repair of the adobe walls and roof on a dwelling at 2206 Avenida de Mesilla. Zoned: Historical Commercial (HC)

**Staff Analysis:**

The proposed request was discussed in the PZHAC Work Session held prior to this meeting. (Please refer to the information provided in the write-up for this item in the Work Session.)

If it is determined that the proposed repairs will be acceptable for the zoning of the property, or if an alternate solution is arrived at, then the request can proceed on the assumption that all requirements of the Code will be satisfied. The PZHAC should continue on to approve the request based on the Findings stated below.

If, on the other hand, it is determined that the proposed repairs will not be acceptable to the zoning of the property, and no other solution can be reached, then the PZHAC should either postpone the request further until the applicant can return with a proposal that meets the standards set forth by the PZHAC; or the PZHAC should deny the request based on the request not meeting any or all of the Findings as listed.

**Estimated Cost: @ \$125,000.00**

**Consistency with the Code:**

The PZHAC will need to determine that the proposed repairs will be consistent with the zoning requirements for this property. Additionally, the PZHAC will also need to determine that the request, as submitted, is consistent with the all other sections of the **Building and Zoning Codes** that may be applied to this project.

**Findings:**

- The PZHAC has jurisdiction to review and approve this request.
- The proposed work consists of repairing the walls and roof of a dwelling at 2206 Avenida de Mesilla.
- The PZHAC has determined that the proposed work meets all applicable Code requirements.

**PZHAC OPTIONS:**

1. Recommend approval of the requested zoning permit to the BOT.
2. Recommend approval of the requested zoning permit with conditions to the BOT.
3. Reject the permit.

**PZHAC ACTION:**

*The PZHAC determined that the proposed repairs to the dwelling are needed and will not affect the historical character of the dwelling, and voted 3 – 0 to recommend APPROVAL of this request to the BOT.*

**BOT OPTIONS:**

1. Approve the application as recommended by the PZHAC.
2. Approve the application with conditions.
3. Reject the application.

**BOT ACTION:**

**PZHAC WORK SESSION  
APRIL 2, 2019  
ITEM 2**

Submitted by Jake Quinones of Quinones Design/Build for Emilie Cano; a request to discuss plans to repair the adobe walls and roof on a dwelling at 2206 Avenida de Mesilla. (**Case 060862**) Zoned: Historical Commercial (HC)

**DESCRIPTION OF REQUEST:**

The applicant would like to repair a number of serious problems with the stucco and underlying adobe throughout the exterior walls of the dwelling, deteriorating wood surrounding some of the doors and windows, a collapsing patio roof, and leaks caused by a severely deteriorating roof over the main dwellings (see attached scope of work). The work is to be done by Quinones Design/Build of Las Cruces. Staff has met with Jake Quinones, Site Superintendent for the company to discuss the work to be done to ensure that the repairs will comply with Section 18.33 (Historic Preservation) of the Code with respect to repairs to Historic Structures.

According to Mr. Quinones, any repairs that entail removal or replacement of any portions of the dwelling will be done in such a way as to retain the architectural and historic character of the dwelling. Other than removal of the patio roof, which is collapsing and cannot be replaced without removal of the supporting walls, there will not be any changes to the appearance of the exterior of the dwelling. (The patio roof was added in the 1960's and cannot be seen from outside the back yard.) All repairs will be refinished and painted to match the existing dwelling.

The dwelling is in the Historic Register and the original dwelling appears to have been built around 1890. A number of additions and alterations (including the addition of a second story) were done in the 1960's that changed the appearance of the original structure, but maintained the historical architecture of the area. These additions were recognized in award from the Dona Ana Historical Society in 1970 citing the dwelling as a "Building Adhering to Regional Architecture" (see attached Register work sheet). Most of the repairs to be done will be to these additions.

**CONSISTENCY WITH THE CODE:**

The PZHAC will need to determine that the proposed wall repairs will be compatible with the historical aspect of the surrounding area, and will be consistent with the following section of the Code:

**Chapter 18.35 HR – Historical Residential Zone**

The proposed wall could be compatible with the HR zoning of the property if it is completed and painted to match the rest of the dwelling.

The applicant will be present at the work session to provide further details about the proposed construction of the walls and shed, and will be available to answer any questions that may arise.

**PHOTO OF PROPERTY FROM AVENIDA DE MESILLA**



**FROM THE “DONA ANA COUNTY HISTORIC SOCIETY” WEBSITE:**

**Building Adhering to Regional Architecture**

This award recognizes a building in Doña Ana County built in recent times that follows the historical architectural style characteristic of New Mexico and the Southwest. Residential and commercial/industrial buildings in Doña Ana County are eligible and owners may also nominate.

1967	Thomas Branigan Memorial Library (Branigan Cultural Center)	501 N. Main Street
	Ernst and Eugenia Artschwager Home	Las Cruces
1968	Popular Dry Goods Company	139 N. Main
	Sarah Hay (Gay?) Home	Las Cruces
1969	Sosa Building	330 S. Reymond St
	Louis E. Freudenthal Home	Las Cruces
1970	Los Arcos	Mesilla
	Casa Tio Manuel (Cano Home)	Mesilla

# Doña Ana County, NM

General Reference Maps

2014 Aerial

Addresses

County Address Points

Select Search Type: Account Number  Enter Value:

Maps

Legend

## Map Themes

Parcels

UDC Zoning

Roads and Transportation

NM House Districts

NM Senate Districts

County Commission Districts

City Council Districts

Median Household Income

General Land Ownership

Account Number: [R0400317](#)

Parcel Number: 4006137235390

Owner: CANO EMILIE LUISE

Mail Address: 2206 AVENIDA DE  
MESILLA

Subdivision:

Property Address: 2206 AVENIDA DE  
MESILLA

Acres: 0



Cano Residence  
2206 Avenida de Mesilla  
Las Cruces, NM 88005

Project Organizer and Contractor:

Quinones Design/Build  
9201 Dripping Springs Rd.  
Las Cruces, NM 88011

Project Manager:

Jake Quinones, Site Superintendent  
575-524-4646  
Email: info@quinoneshomes.com

**Overview of Outstanding Issues and Subsequent Scope of Work for Project at 2206  
Avenida de Mesilla**

**Roofing** Throughout the home's roof areas, water infiltration points are numerous. Areas of immediate concern include roof/plasterwork junctions, parapet walls, and penetrations displaying cracks, voids, and delamination. The roof's drainage outlets (or canals) are undersized and not sealed/flushed properly within the wall cavity. During and after downpours, water is pooling on the roof surface allowing water infiltration into the roofing system, adobe wall sections, and home interior. *Recommended course of action:* All roofing should be removed and replaced with a 4-ply fiberglass embedded build-up asphalt roofing system featuring a mineral embedded cap sheet. Where applicable, roof edge flashings should be removed and replaced, where applicable, roof edge soffit and fascia should be removed and replaced; these areas feature apparent and widespread degradation and water infiltration zones. The small shingled/pitched roof at the south end of the property is in serviceable condition and can remain intact. The exposed HVAC units and ductwork will need to be removed and reinstalled for the roofing work. All canals will need to be removed and replaced completely during the re-roofing process. New canals will need to be upsized to allow for proper water drainage and to prevent debris blockage. With roof replacement, the flashings that surround certain roof sections will need to be removed. Where roofing material adjoins parapet walls and the home's plaster system; roofing replacement will necessitate extensive plaster system work and repairs.

**Exterior Plaster** The home's exterior plaster system features widespread cracking, chips, and damage related to water infiltration, weathering, settling, and age. Possible water infiltration points in the upper level wall sections and parapet walls include areas of deterioration where the plaster system's base coat, lath, and underlayment are exposed. Leak areas within the home are directly adjacent to problematic (and suspect) exterior plaster areas. Ornamental exterior wood features such as vigas (such as those located at the front entry door) and faux lentils (located above some windows) are allowing water to flow into the home through the wood itself and

large voids between the woodwork and plaster system. With roof removal/replacement, the scope of this work would bring roofing material over the parapet walls, and extended (approximately 18-inches) up affected upper section walls. Further, removal of flashings in the upper section wall areas would directly affect the exterior plaster system. The roofing work in itself will necessitate major plaster system repairs. The entire home's existing exterior plaster is in need of extensive repair work and stabilization followed by new plaster system installation. *Recommended course of action:* All exterior wood features that tie into existing plaster system should be removed (as possible and as necessary) and patched/plastered over. A new modern plaster system (to match existing home exterior finish and color) will need to be installed over all existing plasterwork. New plaster system installation would include patching major cracks and damage to existing plaster, application of fiberglass reinforced mesh embedded in masonry adhesive over all exterior wall and parapet areas, and final application of elastomeric based (textured and colored) masonry. The above scope of work would also include plaster repair work and repairs for structural repairs/work (as noted below).

**Main Entryway Room Reconstruction** Entryway room ceiling/roof and exterior wall/window must be completely removed and rebuilt. The sagging wall, window, and ceiling areas are irreparable and may lead to further structural failure and poses a hazard. The Homeowner has placed a post support under the buckled ceiling section to help prevent roof collapse, but this measure is temporary at best. This work would entail major demolition and haul away of waste materials, framing of new wall, window and door openings, and rafter (all framing to be wood), insulation, new window installation, new door installation, exterior sheeting and plaster system installation, roofing system installation, interior wall/ceiling finishes, and all related work/materials. Please Note: the existing door and windows are not part of the home's original adobe construction (1960's era installation).

**Patio Cover and Fire Place Removal** This structure must be completely removed. The sagging structure is irreparable and subject to collapse and further damage of surrounding walls/structures. This structure presently poses a hazard. The Homeowner has placed post supports under the buckled ceiling section to help prevent roof collapse, but this measure is temporary at best. This work would entail major demolition and haul away of waste materials. Existing chimney, brick wall, and all adobe wall/architectural features to remain. Only sagging/failing fireplace ceiling/roof structure will be removed. On east facing fireplace patio parapet wall. (2) Canalies (1960's era installation) will be removed and patched/textured over. Street facing window panels to remain.

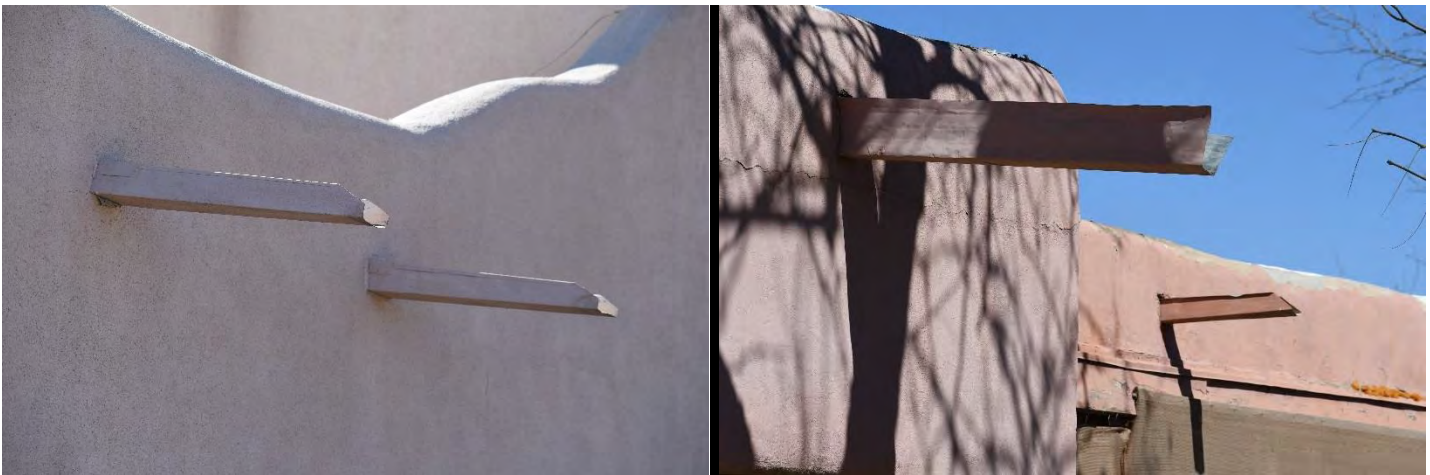
**North Carport Exterior Half Wall Construction** The Homeowner has requested a half wall be constructed in place of plywood sheeting that is currently servicing as a wall/partition. The new half wall would be approximately 4-feet in height and taper upwards with a step feature similar to the home's existing architecture where the wall meets the carport. The wall construction would consist of a concrete footing, wood framing, wood sheeting, moisture barrier/membrane, lath and plaster system (to match existing home exterior finish and color). The wall would feature a bullnose top to complement the home's existing architecture.

## Roof Replacement Scope of Work

For all BUR roof sections: Roof-top HVAC equipment and ductwork will be removed for roof installation work and reinstalled upon roof work completion. Includes roof system, flashing, and soffit/facia removal/disposal. Includes roof demolition material haul away and waste disposal fees. New soffit and fascia will be installed. New metal drip edge will be installed. New roof vents will be installed. New enlarged canals will be installed. New canalie design will existing design/s but allow for proper water drainage. A new 4-ply fiberglass embedded build-up asphalt roofing system (BUR) will be installed over all existing roof areas. Cap sheet (or ply #4) will be mineral embedded. All roof penetrations/flashings will be treated and sealed.



Photos: East roof section. Complete BUR removal and replacement.



Photos: North and south facing canals. All canals will be replaced. New enlarged canals will be installed. New canalie design will match existing design/s but allow for proper water drainage.

**Continued - Roof Replacement Scope of Work**



Photo: West roof section. All soffit and fascia will be removed and replaced



Photos: East roof section.



Photos: South facing roof section.



## Exterior Plaster Scope of Work

For entire home exterior: Damaged/cracked plaster areas will be patched/repared with basecoat and bonder as necessary. High impact fiberglass fabric mesh will be embedded in skim coat over entire exterior plaster area of home including vertical walls and parapet wall areas. J-flashings will be installed at roof/plaster interface zones to allow full roof system and plaster system interface/overlap. Colored elastomeric stucco (final coat) will be applied over entire exterior plaster area of home and floated (textured) with sand finish. Color will be matched to existing exterior plaster color or as close as possible.



Photos: Examples of widespread exterior plaster issues

## Continued Exterior Plaster Scope of Work

Ornamental exterior wood features such as the vigas located at the front entry door are allowing water to flow into the home through the wood itself and large voids between the woodwork and plaster.



Photo/s: Entryway feature's left and right vigas are not part of the home's original architecture. The central viga (over the doorway) is original. The left and right vigas will be removed and patched over. The central viga will remain.



## Continued Exterior Plaster Scope of Work

Ornamental wood features such as the faux lentils located above the two NE facing windows are allowing water to flow into the home through the wood itself and large voids between the woodwork and plaster system. These faux lentils will be removed prior to plaster system work and replaced after plaster system work completion. Wood feature in half wall to remain.



## Main Entryway Room Reconstruction Scope of Work

Major demolition of roof and south facing wall in Entryway room. Includes roof demolition material haul away and waste disposal fees. Includes framing of new raftered roof section and south facing exterior wall section. Includes roof decking installation. New door and new windows will be installed on south facing wall. Insulation will be installed in new exterior wall section. Drywall will be installed over interior side of new wall section and ceiling area. Interior wall finish (texture) and paint to match existing or as close as possible. Exterior sheeting will be installed over exterior side of new wall section. Water proofing membrane, metal lath, and plaster system will be installed over exterior wall sheeting.



Photo: South facing wall of main entry room. Only wall section with door and windows (corner to corner) will be removed and rebuild. This wall is not part of the home's original construction, however, no change to the overall architecture will be made. Door and windows will be replaced.

## Fireplace Patio Scope of Work

Demolition and removal of patio cover roof, ceiling, beams, and post supports.



Photos: Backyard view of fireplace patio cover. Patio cover roof, ceiling, beams, and post supports to be completely removed. All patio wall sections to remain. Patio roof will not be reconstructed to allow for open air outdoor area. Two temporary post supports have been installed to help slow and/or prevent further structural failure and/or collapse.



Photos: Roofline view of fireplace patio cover structure. Existing chimney, brick wall, and all adobe wall/architectural features to remain.

## Continued - Fireplace Patio Scope of Work



Photos: Upward view of fireplace patio cover. Patio cover roof, ceiling, beams, and post supports to be completely removed. All patio wall sections to remain. Patio roof will not be reconstructed to allow for open air outdoor area. Two temporary post supports have been installed to help slow and/or prevent further structural failure and/or collapse.



Photos: South and East sides of fireplace patio walls. Existing chimney, brick wall, and all adobe wall/architectural features to remain. Only sagging/failing fireplace ceiling/roof structure will be removed. On east facing fireplace patio parapet wall. (2) Canals (1960's era installation) will be removed and patched/textured over. Window panels to remain.

## **North Carport Exterior Half Wall Construction**

The Homeowner has requested a half wall be constructed in place of plywood sheeting that is currently servicing as a wall/partition.



Photo: Proposed half-wall. The new half wall would be approximately 4-feet in height and taper upwards with a step feature similar to the home's existing architecture where the wall meets the carport. The wall construction would consist of a concrete footing, wood framing, wood sheathing, moisture barrier/membrane, lath and plaster system (to match existing home exterior finish and color). The wall would feature a bullnose top to complement the home's existing architecture.



Photo: Existing plywood sheeting that is currently servicing as a wall/partition.

1. ALERT SHEET? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		NEW MEXICO HISTORIC BUILDING INVENTORY FORM 1: BUILDINGS & STRUCTURES 6-6-79 <span style="float: right;">pic 26</span>			
2. SURVEY DATE 3. BY 1/9/80 MRT	4. CHECK DATE 5. BY	6. COMPUTER DATE 7. BY	8. FILE DATE 9. BY	10. REVISION DATE 11. BY	
2. COUNTY Doña Ana	13. FIELD MAP	14. NUMBER	15. UTM REFERENCE NUMBER 13 331000 3572250 ZONE EASTING NORTHING		
16. SPECIFIC LOCATION SW corner of Highway 2706 and Calle de Medanos  Calle de El Paso			17. CITY/TOWN Mesilla	18. ZIP	20. I.D. # 183202021
20. LEGAL DESCRIPTION: TOWNSHIP NS RANGE EW SECTION 1/4 1/4 1/4			19. LAND GRANT OR RESERVATION Mesilla Civil Colony		22. ROLL # 38
25. ARCHITECTURAL STYLE adobe vernacular / "Pueblo Revival"			26. NUMBER OF STORIES 2		
27. FOUNDATION MATERIAL(S)					
28. EXTERIOR WALL SURFACE(S) light brown stucco					
29. FENESTRATION (TYPE, DIVISIONS, SURROUNDS, SILLS, ARRANGEMENTS) 1/2 d.h.w., wood sashes, plain wood surrounds, false(?) 1/2 timbered viga as lintels above plain surround. Rejas made of latillas front window - fixed multi-lite wood sash window in facade, large. - fixed plate glass window, large, false(?) lintel above each, no surrounds except for "lids"					
30. DOOR ENTRANCE (TYPE/SURROUNDS) Flat with two levels, upper floor covers only portion of ground floor.					
31. ROOF(S) (NUMBER/SHAPE/MATERIAL, DETAILS) Carved wood door that leads into the patio. This door has a very shallow portico made of fired adobe laged with long axis - to the street.					
32. CHIMNEY(S) (NUMBER, EXTERIOR-INTERIOR, MATERIALS) 2 contained brown stuccoed					
33. EXTERIOR DETAILS Exterior 7' high wall enclosing <del>back</del> <sup>south</sup> yard: exterior surfaces are light brown stucco and exposed fired adobe. Back yard fenced with vertical plants. Low yard adobe wall on south side					
34. COMMENTS					
DATE OF CONSTRUCTION 35. ESTIMATED 1890 37. SOURCE OF DATE			36. ACTUAL		
38. ARCHITECT/ENGINEER/BUILDER					
39. SOURCE OF INFORMATION					
40. NAME Raymond Cano / owner					
41. PRESENT USE residential					
42. HISTORIC CONDITION					
<input type="checkbox"/> EXCELLENT <input checked="" type="checkbox"/> GOOD <input type="checkbox"/> FAIR <input type="checkbox"/> DETERIORATED 44. DEGREE OF REMODELING <input type="checkbox"/> MINOR <input checked="" type="checkbox"/> MODERATE <input checked="" type="checkbox"/> MAJOR (2 story added)					
45. IMMEDIATE SURROUNDINGS residential / commercial tourism					
46. RELATION TO SURROUNDINGS <input checked="" type="checkbox"/> SIMILAR <input type="checkbox"/> NOT SIMILAR					
47. ARCHITECTURAL CONTRIBUTION TO SURROUNDINGS <input checked="" type="checkbox"/> PLUS <input type="checkbox"/> NEUTRAL <input type="checkbox"/> MINUS					
48. OVERALL SIGNIFICANCE <input type="checkbox"/> NATIONAL <input type="checkbox"/> STATE <input type="checkbox"/> LOCAL <input type="checkbox"/> NONE					
49. ASSOCIATED BUILDINGS? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
50. WHAT TYPE?					
51. IF INVENTORIED, LIST I.D. #'S					
52. SEE BACK? <input checked="" type="checkbox"/> YES <input checked="" type="checkbox"/> NO					

Raymond Cano  
2206 Avenida de Mesilla  
Las Cruces, NM 88005



IRON REJAS FROM MEXICO COVER EACH OF THE WINDOWS. COMPLIMENTARY WROUGHT IRON LANTERNS HANG ON EACH SIDE OF THE PORTAL. THREE LARGE YUCCAS BROUGHT FROM THE DESERT AND PLANTED BY MR. TORRES HIMSELF APPROPRIATELY FLANK LOS ARCOS.

WHEN SO MANY OF THE OLD BUILDINGS OF THE REGION ARE BEING DEMOLISHED, IT IS SATISFYING TO FIND THAT PEOPLE LIKE MR. AND MRS. TORRES ARE RETAINING MUCH OF THE BASIC STRUCTURES OF AN OLD ADobe IN REMODELING. WE COMMENT THEM FOR THIS.

*4th Annual Banquet*  
CASA TIO MANUEL

WHAT ARE THE INGREDIENTS OF A COMMUNITY WHICH PULL NATIVE SOBS BACK AND CAUSE THEM TO BECOME LEADING FORCES IN PRESERVING ITS RICH HERITAGE? THIS COULD BE THE SUBJECT OF AN EXTENSIVE RESEARCH STUDY WHICH WE ARE NOT PREPARED TO DEVELOP. HOWEVER, THE PRODUCT OF FAR-REACHING INTEREST IN FAMILY AND COMMUNITY HERITAGE IS BEING CITED TONIGHT AS THE HOME OF MR. AND MRS. RAYMOND CANO IS NAMED THE RESIDENCE ADHERING MOST CLOSELY TO TRADITIONAL REGIONAL ARCHITECTURAL LINES.

RAYMOND CANO WAS BORN AND REARED IN LA MESILLA. SOMETIME AFTER RECEIVING HIS DEGREE AT NEW MEXICO STATE UNIVERSITY HE WAS EMPLOYED OVERSEAS WHERE HE MET AND MARRIED EMILIE HARMS OF GERMAN BACKGROUND, WHOSE CULTURAL INTERESTS COMPLIMENTED THOSE OF HER HUSBAND. MR. AND MRS. CANO RETURNED TO MESILLA WHERE THEY PURCHASED PROPERTY BELONGING TO MR. CANO'S AUNT AND UNCLE MANUEL AND FLORENTINA FIERRO. THIS HOME, THIS YEAR'S ARCHITECTURAL AWARDS RECIPIENT, HAS BEEN REFURBISHED AND ADDED TO. THE HOUSE, OF PUEBLO DESIGN, IS BUILT FLUSH WITH THE STREET; THE FRONT ENTRANCE LEADS INTO A SOLARIUM WHICH IS AN EXTENSION OF THE LIVING ROOM. THE LIVING ROOM PROVIDES ACCESS TO THE KITCHEN AND A BEDROOM ON THE SOUTH; A HALL-LIBRARY CONNECTS WITH THE HOME'S NEW ADDITION. BEAMED CEILINGS IN THIS LARGE AUTHENTIC ADDITION RISE TO A TWO-STORY HEIGHT TO PROVIDE ROOM FOR A SPACIOUS BALCONY ON THE NORTH AND FLOOR-TO-CEILING WINDOWS ON THE SOUTH. FROM THE BALCONY ONE CAN LOOK ACROSS THE VALLEY FROM THE ORGANAS TO PICACHO; FROM THE ROOM'S BALCONY STAIRCASE THE EYE MOVES TO VARIOUS INTEREST CENTERS -- TO THE NATIVE STONE FOUNTAIN WITH BRONZE FIGURE BROUGHT BY MILA AND RAY CANO FROM ROME; ACROSS THE RED CLAY FLOOR TILE TO LIVE GREENERY CONTAINED IN LAVA-STONE; TOWARD THE SOUTH, WINDOWS AND A DOORWAY INTO AN ENCLOSED PATIO WHICH EXTENDS COMPLETELY

ACROSS THE SOUTHERN SIDE OF THE HOME; OR THROUGH THE DOORWAYS IN THE WEST LEADING TO THE SPACIOUS MASTER BEDROOM AND TO THE CHILDREN'S ROOM.

THE FEELING FOR FAMILY AND THE FAMILY'S OUTGOING WARMTH ARE REFLECTED IN VARIOUS WAYS IN THE CANO HOME; THE CARVED INSCRIPTION OVER THE LIVING ROOM DOOR--BIENVENIDOS A CASA TIO MANUEL; THE CHILD-CENTERED AREAS FOR PAINTING, PLAYING, LISTENING, READING; BUILT FOR FAMILY AND FRIENDS. IT IS A HOME BUILT IN PERFECT HARMONY WITH ITS SURROUNDINGS.

THE CONCERN MR. AND MRS. CANO SHOW FOR THE TOWN OF LA MESILLA'S DEVELOPMENT IN TERMS OF REGIONAL ARCHITECTURAL AUTHENTICITY IS LAUDATORY. THE DONA ANA COUNTY HISTORICAL SOCIETY IS PLEASED TO MAKE THIS AWARD TO THIS STRUCTURE OF REGIONAL SIGNIFICANCE.

\*\*\*\*\*

- 13 A high gabled roof with eye brow dormers, marks this residence. built in 1912 or 1913 by John Bombach for his brother Otto, a prominent merchant around the turn of the century. in Mesilla. The eastern influence exemplified by this style makes it unique in Mesilla. (S)
- 14 This unplastered concrete block building exhibits various colors. It has a flat roof, large overhangs, and large plate glass windows., est. 1960. (I)
- 15 This commercial building is of exposed field stone with a Simplified Mission parapet. It is rectangular in plan. est. 1940. (N)
- 16 This small stuccoed adobe has a flat roof and large plate glass windows on the facade. est. 1945. (N)
- 17 This used to be Mesilla Elementary School, built about 1950. It has a flat roof over the classrooms and a gabled roof over the gymnasium. The building is of concrete block with metal frame windows. Now it is used as office space for the Las Cruces School system. (N)
- 18 This small, square adobe residence has a wood frame and metal casement windows. The hip roof has been added in the past 15 years. est. 1930. (C)
- 19 This long rectangular plan adobe residence has a flat roof with tin canales piercing the flat parapet. Windows are deeply recessed and are of wood and metal casements. Remnants of an old rebote (handball) court are at the SW conner of the residence. This was one of the social centers during the early part of this century and had been the Cano residence for many years. est. 1890. (S)
- 20 This square plan adobe house has a hip roof with asphalt shingles and metal casement windows. est. 1920. (C)
- 21 This Spanish/Pueblo Revival residence belongs to Raymond Cano, who says that the core of the house dates from 1912. A two story addition covers part of the ground floor. The residence is stuccoed, has gentle contoured lines, and wood frame windows. (C)
- 22 The core of this residence is believed to be the remnants of Kelly's mill, dating from the 1860's when this site was at the north end of the Confederate Gran Plaza. A map found in the courthouse records locates the mill at the same spot where this house now stands. Now a residence, this structure is of stuccoed adobe, has wood frame and metal frame windows, and a flat roof with tin canales piercing the flat parapet. est. 1860. (S)

**TOWN OF MESILLA**  
 PERMISSION TO CONDUCT WORK  
 OR  
 OBTAIN A COMMERCIAL/RESIDENTIAL BUILDING PERMIT

OFFICIAL USE ONLY:  
 Case # 060862  
 Fee \$ 198.00

2231 Avenida de Mesilla, P.O. Box 10, Mesilla, NM 88046 (575) 524-3262 ext. 104

CASE NO. 060862 ZONE: NC CODE: AL APPLICATION DATE: \_\_\_\_\_

Mila Cano  
 Name of Applicant/Owner  
 2206 Avenida de Mesilla Mesilla NM 88005  
 Applicant's Telephone Number  
 Applicant's/Owner's Mailing Address City State Zip Code  
 raymilacano@gmail.com or Raymond (son) canoclan5@att.net  
 Applicant's/Owner's E-mail Address  
 Quinones Design/Build; 9201 Dripping Springs Rd.; Las Cruces, NM 88011  
 Contractor's Name & Address (If none, indicate Self)  
 524-4646 02-234472-00-1 54879  
 Contractor's Telephone Number Contractor's Tax ID Number Contractor's License Number

Address of Proposed Work: 2206 Avenida de Mesilla

Description of Proposed Work: Re-roof, Exterior Plaster Repairs/Restoration, Main-Entry Room Reconstruction, Patio Cover and Fireplace removal, North Carport Half Wall Construction

\$ 125,000.00 Estimated Cost  
E. L. Cano Signature of Applicant  
 3/11/19 Date

Signature of property owner if applicant is not the property owner: \_\_\_\_\_

**With the exception of administrative approvals, all permit requests must undergo a review process from staff, PZHAC and BOT before issuance of a building permit. Recorded proof of ownership with legal description of property (deed or current tax bill) along with verification of legally subdivided status of the property are required. Plan sheets are to be no larger than 11 x 17 inches.**

**FOR OFFICIAL USE ONLY**

PZHAC  Administrative Approval  Approved Date: \_\_\_\_\_  
 Approved Date: \_\_\_\_\_  Disapproved Date: \_\_\_\_\_  
 Disapproved Date: \_\_\_\_\_  Approved with Conditions  
 Approved with conditions

FIRE INSPECTION/APPROVAL REQUIRED: \_\_\_ YES  NO \_\_\_ SEE CONDITIONS

CID PERMIT/INSPECTION REQUIRED:  YES \_\_\_ NO \_\_\_ SEE CONDITIONS

CONDITIONS: PZHAC REVIEW & BOT FINAL APPROVAL REQUIRED  
CID PERMITS REQUIRED  
Z

PERMISSION ISSUED/DENIED BY: \_\_\_\_\_ ISSUE DATE: \_\_\_\_\_

- This Application will include the following, if checked:
- Plot plan with legal description to show existing structures, adjoining streets, driveway(s), improvements & setbacks. Verification shall show that the lot was **legally** subdivided through the Town of Mesilla or that the lot has been in existence prior to February 1972.
  - Site Plan with dimensions and details.
  - Proof of legal access to the property.
  - Drainage plan.
  - Architectural style and color scheme – diagrams or elevations (Historical and commercial zones only).
  - Proof of sewer service or a copy of septic tank permit; proof of water service (well permit or statement from the Public Utility providing water services).
  - Other information as necessary or required by the City Code or Community Development:

PZHAC NEW BUSINESS

APRIL 2, 2019

SUMMARY SUBDIVISION

**PZHAC ACTION FORM  
MARCH 26, 2019  
CASE 060821**

**Case 060821** - Submitted by Christina DiMatteo; a request for a summary subdivision to allow for a lot line adjustment to combine a 0.30 acre property at 3066 Snow Road with a 0.18 acre property immediately to the south, and to adjust the western lot line of the two properties to create a single 0.69 acre property. Zoned: Rural Agricultural

**Summary of Request:**

The applicant currently resides in a dwelling on the 0.30 acre parcel. According to Dona Ana County records, this dwelling, which partially straddles the property line with the 0.18 acre parcel immediately to the south, was originally built in the 1890's and was subsequently added onto to create the current dwelling. Leach lines from the septic system for the dwelling currently extend onto the smaller parcel to the south. The two small parcels, which are both owned by the applicant, appear to date back to at least 1980. The applicant would like to combine these two parcels to form one parcel so that the septic system for the dwelling is on the same parcel as the dwelling.

Additionally, the dwelling is supplied with domestic water from a domestic water well that is located on another larger property to the west that is owned by the applicant. The applicant would also like to relocate the western property lines of the two parcels about 35 to 40 feet to the west to include an existing domestic water well on the same property as the dwelling, rather than to have the water line cross property lines. The resulting parcel will be about 0.69 acres in size and will result in the dwelling, the septic system for the dwelling, and the domestic well for the dwelling all being on the same parcel.

**Consistency with the Code:**

The following sections of the Code apply specifically to this request:

**18.25.010 RA Zone - Purpose.**

This zone is intended to encourage a suitable environment for single-family residential use on large parcels of land on the periphery of the built-up portions of the town and to provide for a low density of population. [Ord. 94-06 § 1; prior code § 11-2-11.2.A]

*The current use of the property for a dwelling and agricultural storage will not change as a result of the lot line adjustment to combine lots to create one lot. No new lots will be created, and the net result will be the elimination of one lot.*

**18.25.050 RA Zone - Development standards.**

A. Lot Area. Each lot shall have a minimum of three acres for each dwelling unit except cluster development.

*Even though the 0.69 acre lot is smaller than the required three acres, it is a result of combining two much smaller lots to create one substantially larger lot, thereby eliminating one lot. The net result of combining the two lots and moving the western lot lines is to create a lot in which the existing water and septic lines are now located on the same property as the dwelling they serve.*

*Also, the location of the zoning boundary across the lot to the west does not provide enough area on the lot to allow a three acre lot to be created by combining the subject lots with the larger lot to the west.*

*It was also brought up at the meeting that the proposed lot size of 0.69 acres was approved by the Board of Adjustment (BOA) as a variance to lot size approved after a Public Hearing held March 26, 2019; and that the result of the lot line adjustment would be that one very small lot would be eliminated, and the resulting lot would be over twice the size it is now. No new lots would be created, and none of the other lots owned by the applicant would be affected.*

### **17.35.050 Approval (Summary Subdivision)**

Approval by this summary procedure shall be endorsed on the plat and such approval shall be conclusive evidence of the approval of the town of Mesilla. Following approval of the subdivision by the board of trustees and the planning commission, the plat shall be signed by the chairman and secretary of the planning commission and the mayor. [Ord. 89-01; prior code § 11-5-7.5]

*This step will be done after the lot line adjustment is approved by the BOT.*

### **Impacts on the Surrounding Area:**

It does not appear that the requested lot line adjustments will result in any changes to the use of the property, nor will they result in any negative impacts to the surrounding area.

### **Findings:**

- The PZHAC has jurisdiction to review and approve this request.
- The PZHAC has determined that the proposed lot line adjustments will meet all applicable Code requirements.
- The requested lot line adjustments as part of a summary subdivision are allowed by the MTC.
- Approval of the requested lot line adjustments will not be detrimental to the Town of Mesilla.

### **PZHAC OPTIONS:**

1. Approve the requested Summary Subdivision request for lot line adjustments.
2. Approve the requested Summary Subdivision request for lot line adjustments with conditions.
3. Reject the request Summary Subdivision request for lot line adjustments.

### **PZHAC ACTION:**

*The PZHAC determined that the proposed lot line adjustments meet the Code and are an improvement over the current situation, and voted 3 – 0 to recommend APPROVAL of this request to the BOT.*

### **BOT OPTIONS:**

1. Approve the application as recommended by the PZHAC.
2. Approve the application with conditions.
3. Reject the application.

### **BOT ACTION:**

**BOARD OF ADJUSTMENTS RESOLUTION NO. 2019-01**

**A RESOLUTION RECOMMENDING TO THE BOARD OF TRUSTEES APPROVAL OF A VARIANCE PER ORDINANCE REGULATIONS OF THE MESILLA TOWN CODE.**

**WHEREAS**, the BOARD OF ADJUSTMENTS held a Public Hearing on March 26, 2019, to receive public input on a proposed Variance for a 0.69 acre parcel to be created at 2066 Snow Road; and

**WHEREAS**, staff sent certified notifications of the Variance request to the property owners within 100 feet of the property; and

**WHEREAS**, staff posted an orange public notice sign for the Variance request on the property as required per MTC Section 18.85.160; and

**WHEREAS**, the BOARD OF ADJUSTMENTS took input from the public about the proposed Variance at a Public Hearing held March 2, 2019; and

**WHEREAS**, the applicant, Christina DeMatteo, would like to combine a 0.18 acre property at 2066 Snow Road with a 0.30 acre property immediately to the south, and to adjust the western lot line of the two properties to create a single 0.69 acre property that will allow a domestic well and a septic system to be on the same property as the dwelling they serve; and

**WHEREAS**, the Rural-Agricultural (RA) zoning of the property requires a 3 acre minimum for new properties; and

**WHEREAS**, the BOARD OF ADJUSTMENTS found that the proposed Variance would eliminate one very small lot and result in the creation of a larger lot than currently exists; and

**WHEREAS**, the creation of the new lot by combining two smaller lots will result in a lot in which existing water and septic lines will be located on the same property as the dwelling they serve; and

**WHEREAS**, the residential use of the property, which is allowed by the RA zoning of the property, will not be changed; and

**WHEREAS**, the BOARD OF ADJUSTMENTS found that the proposed Variance is not detrimental to the Town of Mesilla;

**NOW THEREFORE, BE IT RESOLVED** by the BOARD OF ADJUSTMENTS for the Town of Mesilla that the recommendation is made to the Board of Trustees for approval of the proposed Variance for a 0.69 acre lot to be created at 2066 Snow Road.

**PASSED, ADOPTED AND APPROVED** on this 26th day of March, 2019.

\_\_\_\_\_  
Carlos Arzabal, Chairman  
TOWN OF MESILLA  
BOARD OF ADJUSTMENTS

**ATTEST:**

\_\_\_\_\_  
Larry Shannon  
Community Development Coordinator

# Doña Ana County, NM

General Reference Maps

2014 Aerial

Addresses

County Address Points

Select Search Type:

Maps

Legend

## Map Themes

Parcels

UDC Zoning

Roads and Transportation

NM House Districts

NM Senate Districts

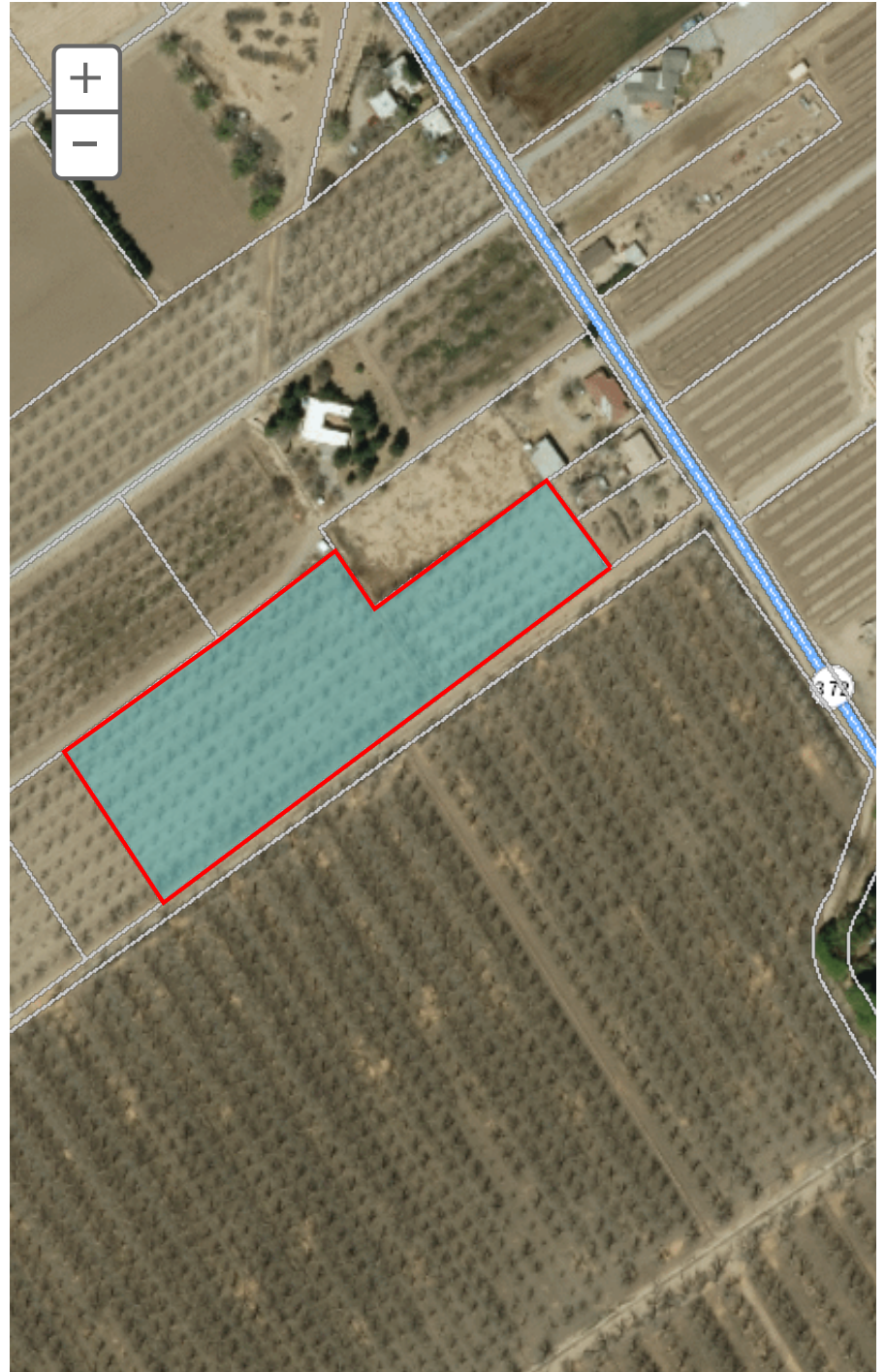
County Commission Districts

City Council Districts

Median Household Income

General Land Ownership

Account Number: [R0400122](#)  
Parcel Number: 4005138423518  
Owner: GARCIA CHRISTINA &  
CHRISTINA DIMATTEO FKA C GARCIA  
Mail Address: 3066 SNOW RD  
Subdivision:  
Property Address: SNOW RD  
Acres: 5





# Doña Ana County, NM

General Reference Maps

2014 Aerial

Addresses

County Address Points

Select Search Type:

Maps

Legend

## Map Themes

Parcels

UDC Zoning

Roads and Transportation

NM House Districts

NM Senate Districts

County Commission Districts

City Council Districts

Median Household Income

General Land Ownership

Account Number: [R0400138](#)

Parcel Number: 4005138526458

Owner: GARCIA CHRISTINA

Mail Address: 3066 SNOW RD

Subdivision:

Property Address: 3066 SNOW RD

Acres: 0.18000001



# Doña Ana County, NM

General Reference Maps

2014 Aerial

Addresses

County Address Points

Select Search Type:

Maps

Legend

## Map Themes

Parcels

UDC Zoning

Roads and Transportation

NM House Districts

NM Senate Districts

County Commission Districts

City Council Districts

Median Household Income

General Land Ownership

Account Number: [R0400137](#)

Parcel Number: 4005138522450

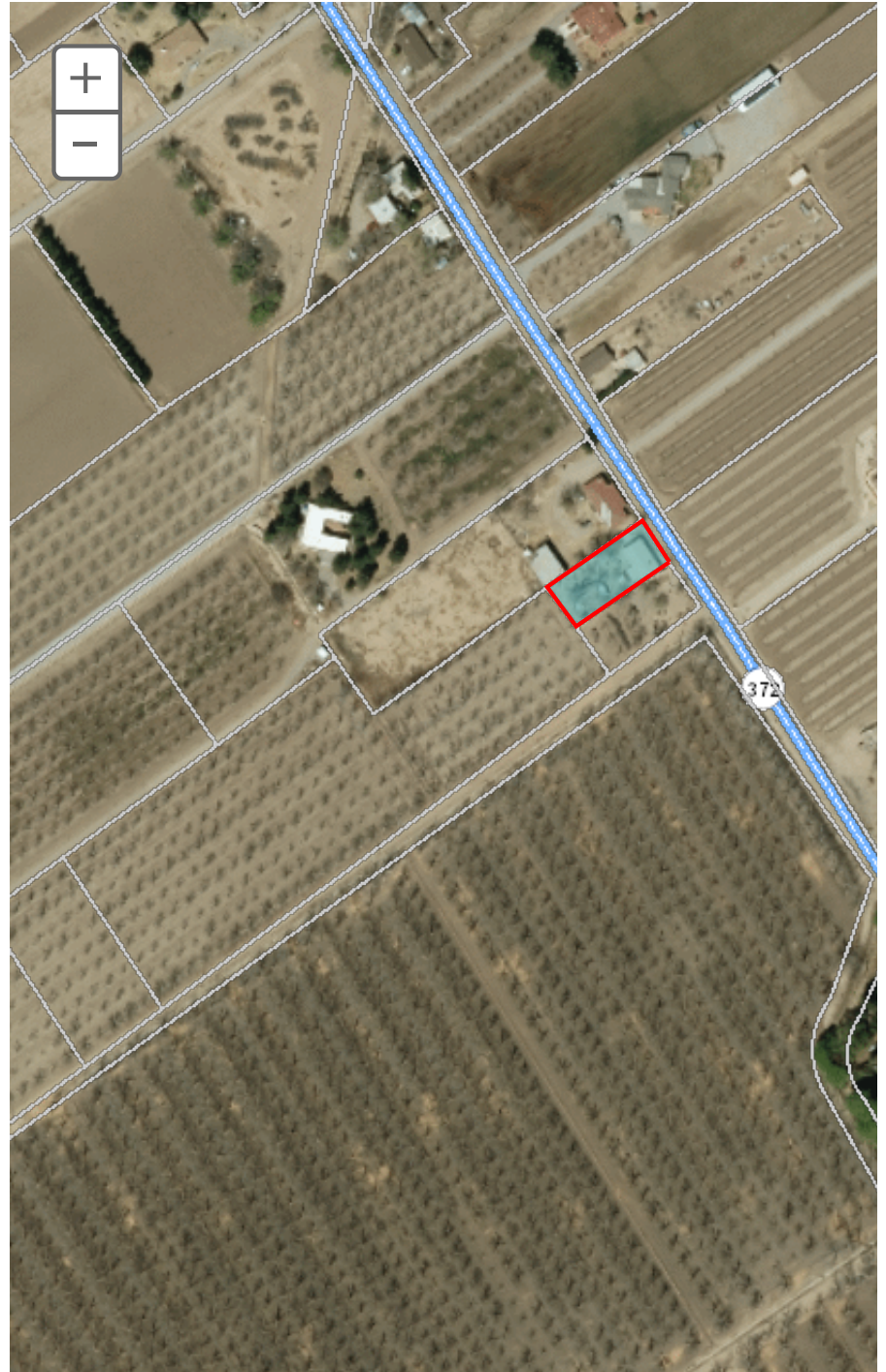
Owner: GARCIA CHRISTINA

Mail Address: 3066 SNOW RD

Subdivision:

Property Address: 3066 SNOW RD

Acres: 0



**PHOTO OF 2066 SNOW ROAD (0.30 ACRES) SHOWING DWELLING**



**PHOTO OF 0.18 ACRE PROPERTY FROM SNOW ROAD**



**PHOTO OF WELL FROM DEMATTEO ROAD**



**PHOTO OF DWELLING FROM DEMATTEO ROAD**



**PHOTOS OF NOTIFICATION SIGNS AND DWELLING FROM SNOW ROAD**

**DIMatteo Summary Subdivision**  
**a Replat of U.S.R.S. Tract 6-A1, 6-A2, -B, 6-C, 6-D, and 6-E**  
**within the Town of Mesilla, Doña Ana County, New Mexico,**  
**in Section 35, T.23S. R.1E., and Section 2, T.24S., R.1E. of the U.S.R.S. Surveys**  
**November, 2018**

Scale: 1" = 200'

**UTILITY APPROVALS**  
 THIS PLAT HAS BEEN APPROVED FOR EASEMENT PURPOSES ONLY.  
 THE SIGNING OF THIS PLAT DOES NOT IN ANY WAY GUARANTEE  
 UTILITY SERVICE BY THE UNDERSIGNED UTILITY COMPANY.

El Paso Electric Company.  
 Easements shown hereon, copies of which have been presented to  
 El Paso Electric Company, are satisfactory to meet the needs for the installation  
 and maintenance of overhead and designated overhead feeder electrical utilities.

By: \_\_\_\_\_ Date: \_\_\_\_\_

Comcast Communications  
 Easements shown hereon, copies of which have been presented to  
 Comcast Communications, DO NOT GUARANTEE satisfactory  
 installation and maintenance of underground, overhead,  
 underground and/or overhead feeder, underground and  
 designated overhead feeder telephone company utilities.

By: \_\_\_\_\_ Date: \_\_\_\_\_

Comcast Cable Communications, Inc.  
 Easements shown hereon, copies of which have been presented to  
 Comcast Cable Communications, Inc. are satisfactory to meet the needs  
 for the installation and maintenance of underground, overhead and/or  
 designated overhead feeder television/internet communication utilities.

By: \_\_\_\_\_ Date: \_\_\_\_\_

City of Las Cruces Approval  
 This Plat has been approved by the City of Las Cruces, and all the requirements  
 for approval of this plat have been completed to the satisfaction of the City of  
 Las Cruces, subject to any and all conditions required by the Planning Authority  
 for the approval of this plat.

Director of Community Development \_\_\_\_\_ Date \_\_\_\_\_

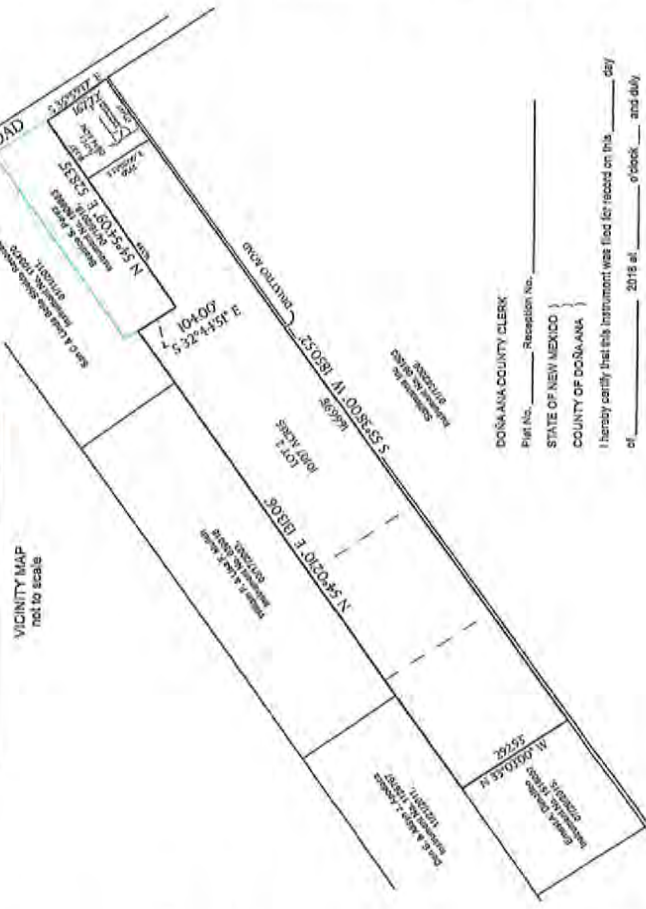
Director of Utilities \_\_\_\_\_ Date \_\_\_\_\_

Director of Public Works \_\_\_\_\_ Date \_\_\_\_\_

Chairman \_\_\_\_\_ Date \_\_\_\_\_

Secretary \_\_\_\_\_ Date \_\_\_\_\_

Gilbert Chavez  
 Professional Surveyor  
 Vista Grande Surveys  
 P.O. Box 832  
 Mesilla, NM 88048-0832  
 Phone (505) 527-4333  
 Email: gilbert@vgs.com  
 VG 15-070



**DEDICATION**  
 KNOW ALL MEN BY THESE PRESENTS: A set of land situated within the  
 County of New Mexico in Section 35, T.23S., R.1E.,  
 and Section 2, T.24S., R.1E., and being more particularly as follows, to wit:

**BEGINNING** at an iron rod found at the intersection of the west right-of-way of Snow Road  
 (N.M. State Road 300) and the north line of Dimatteo Road for the southeast corner of U.S.R.S.  
 Tract 15-S and for the southeast corner of the tract herein described;

**THENCE FROM THE POINT OF BEGINNING** along the north side of Dimatteo Road  
 5.57' 00" 00" W., 1850.55 feet to the southwest corner of the tract herein described;

**THENCE** bearing Dimatteo Road N. 39°00'00" W., 592.60 Feet to the northwest corner  
 of the tract herein described;

**THENCE** N. 54°02'10" E., 1313.05 feet to an angle point;

**THENCE** S. 22°44'51" E., 104.00 feet to an angle point;

**THENCE** N. 54°54'00" E., 628.33' to a point on the west right-of-way of Snow Road  
 for the northeast corner of the tract herein described;

**THENCE** along Snow Road S 32°52'17" E., 487.72 feet to the point of beginning  
 containing 0.381 acre of land more or less.

All rights of way and public easements shown hereon are dedicated to the Town of Mesilla.  
 Utility easements are granted for the use of the Town of Mesilla.  
 This plat and to the Town of Mesilla. All rules and regulations of the Town of Mesilla  
 and said utilities will apply to these easements. All other easements shown hereon are  
 granted for the use intended. No encroachment that will interfere with the use of easements,  
 as shown on this plat, is allowed.

The subdivision has been dedicated in accordance with the wishes of the undersigned owners  
 of the land shown hereon.  
 This Replat shall be known as "Dimatteo Summary Subdivision".

Owner of Record:  
 Civiltica Dimatteo  
 Instrument of Ownership:  
 Special Warranty Deed  
 Instrument # 8001788  
 February 24, 1993  
 Special Warranty Deed  
 Instrument # 8001784  
 February 25, 1993  
 Personal Representative's Deed  
 Instrument # 151033  
 July 25, 2015

We, the undersigned owner, hereby set our hands and seals this \_\_\_\_\_ day  
 of \_\_\_\_\_, 2018.

Civiltica Dimatteo  
 STATE OF NEW MEXICO }  
 COUNTY OF DOÑA ANA }

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of  
 \_\_\_\_\_, 2012 by \_\_\_\_\_

My Commission expires: \_\_\_\_\_  
 Notary Public \_\_\_\_\_

Surveyor's Certification:  
 This is to certify that I am a Licensed Professional Surveyor, that this plat was  
 prepared from field notes of an actual survey conducted in accordance with the  
 correct, meeting the Minimum Standards for Land Surveying in New Mexico  
 adopted by the New Mexico Board of Licensure for Professional Engineers and  
 Professional Surveyors, to the best of my knowledge and belief.

Date of Survey: \_\_\_\_\_  
 Gilbert Chavez, NMPS 8332  
 P.O. Box 832  
 Mesilla, NM 88048

**DiMatteo Summary Subdivision**  
**a Replat of U.S.R.S. Tract 6-A1, 6-A2, -B, 6-C, 6-D, and 6-E**  
**within the Town of Mesilla, Doña Ana County, New Mexico,**  
**in Section 35, T.23S. R.1E., and Section 2, T.24S., R.1E. of the U.S.R.S. Surveys**  
**November, 2018**

Scale: 1" = 200'

**UTILITY APPROVALS**  
 THIS PLAT HAS BEEN APPROVED FOR EASEMENT PURPOSES ONLY.  
 THE SIGNING OF THIS PLAT DOES NOT IN ANY WAY GUARANTEE  
 UTILITY SERVICE BY THE UNDERSIGNED UTILITY COMPANIES.

El Paso Electric Company:  
 Easements shown hereon, copies of which have been presented to El Paso Electric Company, are satisfactory to meet the needs for the installation and maintenance of overhead and designated overhead feeder electrical utilities.  
 By: \_\_\_\_\_ Date: \_\_\_\_\_

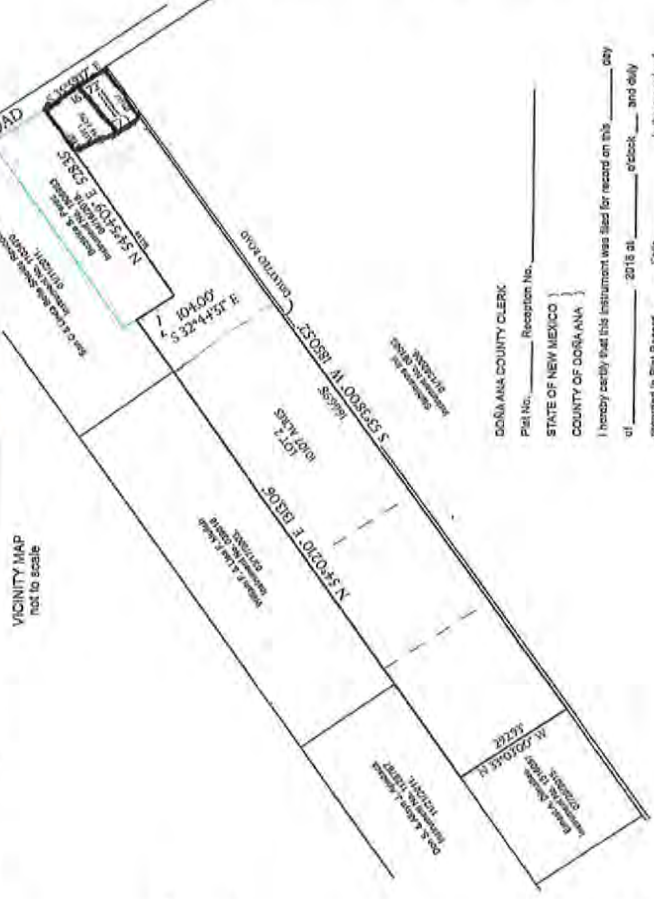
Qwest Communications  
 Easements shown hereon, copies of which have been presented to Qwest Communications, are satisfactory to meet the needs for the installation and maintenance of underground, overhead, underground and/or overhead feeder, underground and designated overhead feeder telephone communication utilities.  
 By: \_\_\_\_\_ Date: \_\_\_\_\_

Comcast Cable Communications, Inc.  
 Easements shown hereon, copies of which have been presented to Comcast Cable Communications, Inc. are satisfactory to meet the needs for the installation and maintenance of underground and/or overhead feeder, underground and designated overhead feeder Cable/television/internet communication utilities.  
 By: \_\_\_\_\_ Date: \_\_\_\_\_

City of Las Cruces Approvals  
 This Plat has been approved by the City of Las Cruces, and all the requirements for approval of the plat have been complied to the satisfaction of the City of Las Cruces, subject to any and all conditions required by the Planning Authority for the approval of this plat.

Director of Community Development \_\_\_\_\_ Date \_\_\_\_\_  
 Director of Utilities \_\_\_\_\_ Date \_\_\_\_\_  
 Director of Public Works \_\_\_\_\_ Date \_\_\_\_\_  
 Chairman \_\_\_\_\_ Date \_\_\_\_\_  
 Secretary \_\_\_\_\_ Date \_\_\_\_\_

Gilbert Chavez  
 Professional Engineer  
**Vista Grande Surveys**  
 10000 N. I-10, Suite 200  
 Las Cruces, NM 88004-2002  
 Phone (505) 527-6000  
 Email: gilbert@vistagradesurveys.com  
 VS 18-070



**KNOW ALL MEN BY THESE PRESENTS:** A title of land situate within the Town Limits of Mesilla, in the County of Doña Ana, State of New Mexico, and Section 2, T.24S., R.24E., of the U.S.R.S. Surveys, and Section 35, T.23S., R.1E., and Section 2, T.24S., R.1E. of the U.S.R.S. Tracts 6-A1, 6-A2, 6-C and 6-E and being more particularly as follows, to wit:

**BEGINNING** at an iron rod found at the intersection of the west right-of-way of Snow Road (NMI State Road 300) and the north line of DiMatteo Road for the southeast corner of U.S.R.S. Tract 12-4 and for the southeast corner of the tract herein described;

**THENCE FROM THE POINT OF BEGINNING** along the line north side of DiMatteo Road 3.52°32'00" W., 1559.52 feet to the southeast corner of the tract herein described;

**THENCE** leaving DiMatteo Road N. 39°00'00" W., 292.59 Feet to the northwest corner of the tract herein described;

**THENCE** N. 54°02'10" E., 1313.05 feet to an angle point;

**THENCE** S. 32°44'51" E., 104.00 feet to an angle point;

**THENCE** N. 54°54'00" E., 528.35 to a point on the west right-of-way of Snow Road for the northeast corner of the tract herein described;

**THENCE** along Snow Road S. 35°59'17" E., 167.72 feet to the point of beginning enclosing 10,000 acres of more or less.

All rights of way and public easement shown hereon are dedicated to the Town of Mesilla. Utility easements are granted for the use of the utility companies that may be shown on this plat and to the Town of Mesilla. All rules and regulations of the Town of Mesilla and said utilities will apply to these easements. All other easements shown hereon are shown on this plat, to wit:

The subdivision has been delineated in accordance with the wishes of the underground owners of the land shown hereon.

This Replat shall be known as "DiMatteo Summary Subdivision".

Director of Records  
 Christina DiMatteo  
 Special Warranty Deed  
 2008 Snow Road  
 Las Cruces, NM, 88005  
 February 28, 1995  
 Special Warranty Deed  
 Return # 8001794  
 February 28, 1980  
 Personal Representative's Deed  
 Instrument # 151033  
 July 25, 2015

We, the undersigned owner, hereby set out our hands and seals this \_\_\_\_\_ day of \_\_\_\_\_, 2018.

Cristina DiMatteo  
 STATE OF NEW MEXICO  
 COUNTY OF DOÑA ANA

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 2018 by \_\_\_\_\_  
 My Commission expires: \_\_\_\_\_  
 Nesty Public

**Surveyor's Certification**  
 This is to certify that I am a Licensed Professional Surveyor; that this plat was prepared from field notes of an actual survey made by me, and that I am in good standing, meeting the Minimum Standards for Land Surveying in New Mexico as adopted by the New Mexico Board of Licensure for Professional Engineers and Professional Surveyors, to the best of my knowledge and belief.

Date of Survey: \_\_\_\_\_  
 Gilbert Chavez, NMPS 6332  
 P.O. Box 882  
 Mesilla, NM 88046

**DiMatteo Summary Subdivision**  
 a Replat of U.S.R.S. Tract 6-A1, 6-A2, 6-B, 6-C, 6-D, and 6-E  
 within the Town of Mesilla, Doña Ana County, New Mexico,  
 in Section 35, T.23S. R.1E., and Section 2, T.24S., R.1E. of the U.S.R.S. Surveys  
 November, 2018  
 Scale: 1" = 200'

**DEDICATION**  
 KNOW ALL MEN BY THESE PRESENTS: A strip of land situated within the  
 Bente Line of Mesilla, Doña Ana County, New Mexico in Section 35 T.23S., R.1E.,  
 and within the U.S.R.S. Surveys, a replat of U.S.R.S. Tracts  
 6-A1, 6-A2, 6-B, 6-C, 6-D and 6-E and being more particularly as follows, to wit:

**BEGINNING** at an iron rod found at the intersection of the west right-of-way of Snow Road  
 (NM State Road 200) and the north line of Dimilteo Road for the southeast corner of U.S.R.S.  
 Tract 15-3 and for the southeast corner of the tract herein described;

**THENCE FROM THE POINT OF BEGINNING** along the north side of Dimilteo Road  
 5.52' 152.00' W., 1850.55' feet to the southeast corner of the tract herein described;

**THENCE** leaving Dimilteo Road N. 33°03'00" W., 592.89' Feet to the northwest corner  
 of the tract herein described;

**THENCE** S. 32°44'31" E., 104.00' feet to an angle point;

**THENCE** N. 54°54'00" E., 528.35' to a point on the west right-of-way of Snow Road  
 for the northeast corner of the tract herein described;

**THENCE** along Snow Road S 32°52'17" E., 157.72' feet to the point of beginning  
 containing 10,801' acres of land more or less.

All rights of way and public uses shown hereon are dedicated to the Town of Mesilla.  
 Utility easements shown hereon are for the use of electric, gas, water, sewer, telephone  
 and said utilities will apply to these easements. All other easements shown hereon are  
 granted for the use indicated. No encroachment that will interfere with the use of easements,  
 as shown on this plat, is allowed.

The subdivision has been dedicated in accordance with the wishes of the underground owner  
 of the land shown hereon.  
 This Replat shall be known as "Dimilteo Summary Subdivision".

**Owner of Record:**  
 Christina Dimilteo  
 3300 Snow Road  
 Las Cruces, NM, 88005

**Instrument of Conveyance:**  
 Special Warranty Deed  
 Instrument # 8001778  
 February 25, 1980  
 Special Warranty Deed  
 Instrument # 8001754  
 February 25, 1980  
 Personal Reconveyance Deed  
 Instrument # 151058  
 July 25, 2015

We, the undersigned owner, hereby set out our hands and seals this \_\_\_\_\_ day  
 of \_\_\_\_\_, 2018.

Christina Dimilteo

STATE OF NEW MEXICO }  
 COUNTY OF DOÑA ANA }

The foregoing instrument was acknowledged before me this \_\_\_\_\_ day of \_\_\_\_\_, 2018 by \_\_\_\_\_

My Commission expires: \_\_\_\_\_

Notary Public \_\_\_\_\_

Surveyor's Certification \_\_\_\_\_

This is to certify that I am a Licensed Professional Surveyor; that this plat was  
 prepared by me and that I am duly qualified by me and that I am duly  
 accepted by the New Mexico Board of Librarians for Land and Professional Engineers and  
 Professional Surveyors, to the best of my knowledge and belief.

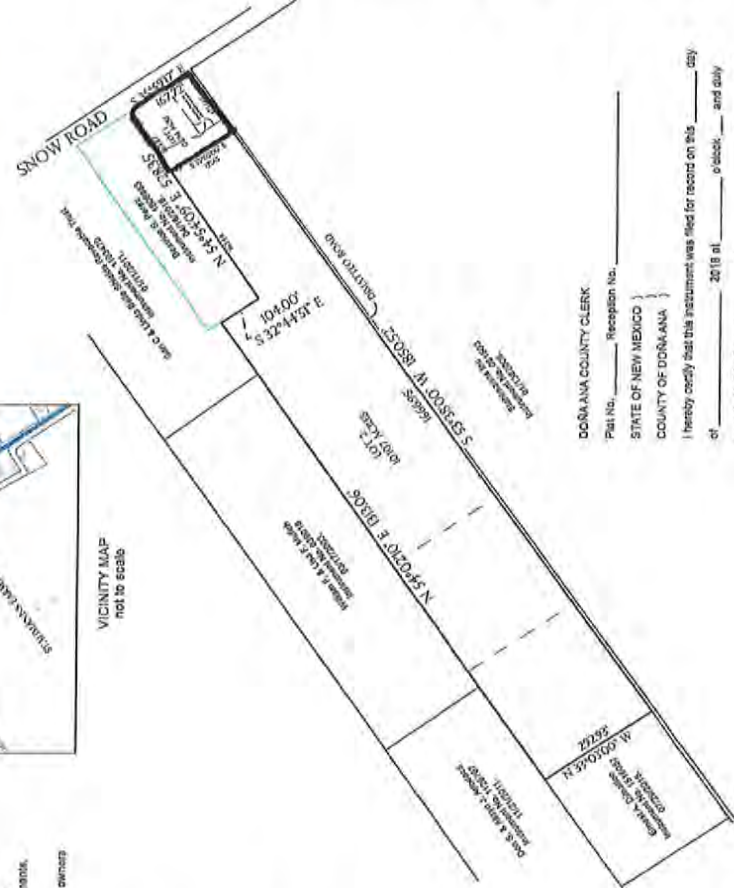
Date of Survey: \_\_\_\_\_

Gilbert Chavez, NMPS 6532  
 P.O. Box 892  
 Mesilla, NM 88046



VICINITY MAP  
 not to scale

**PROPOSED**



**UTILITY APPROVALS**  
 THIS PLAT HAS BEEN APPROVED FOR EASEMENT PURPOSES ONLY.  
 THE SIGNING OF THIS PLAT DOES NOT IN ANY WAY GUARANTEE  
 UTILITY SERVICE BY THE UNDERSIGNED UTILITY COMPANY.

El Paso Electric Company.  
 Easements shown hereon, copies of which have been presented to  
 El Paso Electric Company, are satisfactory to meet the needs for the installation  
 and maintenance of overhead and designated overhead feeder electrical utilities.

By: \_\_\_\_\_ Date: \_\_\_\_\_

Qwest Communications  
 Easements shown hereon, copies of which have been presented to  
 Qwest Communications, are satisfactory to meet the needs for the installation  
 and maintenance of underground, overhead, underground and/or overhead feeder, underground and  
 designated overhead feeder telephone company utilities.

By: \_\_\_\_\_ Date: \_\_\_\_\_

Comcast Cable Communications, Inc.  
 Easements shown hereon, copies of which have been presented to  
 Comcast Cable Communications, Inc., are satisfactory to meet the needs  
 for the installation and maintenance of underground, overhead, underground and/or  
 overhead feeder, underground and designated overhead feeder  
 cable/television/Internet communication utilities.

By: \_\_\_\_\_ Date: \_\_\_\_\_

City of Las Cruces, Approver  
 This Plat has been approved by the City of Las Cruces, and all the requirements  
 for approval of this plat have been completed to the satisfaction of the City of  
 Las Cruces, subject to any and all conditions required by the Planning Authority  
 for the approval of this plat.

Director of Community Development \_\_\_\_\_ Date \_\_\_\_\_  
 Director of Utilities \_\_\_\_\_ Date \_\_\_\_\_  
 Director of Public Works \_\_\_\_\_ Date \_\_\_\_\_  
 Chairman \_\_\_\_\_ Date \_\_\_\_\_  
 Secretary \_\_\_\_\_ Date \_\_\_\_\_

DOÑA ANA COUNTY CLERK  
 Plat No. \_\_\_\_\_ Reception No. \_\_\_\_\_  
 STATE OF NEW MEXICO }  
 COUNTY OF DOÑA ANA }

I hereby certify that this instrument was filed for record on this \_\_\_\_\_ day  
 of \_\_\_\_\_, 2018 at \_\_\_\_\_ o'clock \_\_\_\_\_ and duly  
 recorded in Plat Record \_\_\_\_\_, Page \_\_\_\_\_ in the records of  
 Doña Ana County Clerk  
 Doña Ana County Clerk  
 Doña Ana County Deputy Clerk

Gilbert Chavez  
 Vista Grande Surveys  
 P.O. Box 892  
 Mesilla, NM 88046  
 Phone (505) 337-8282  
 Email: gilbert@vgs.com  
 VG 18-270

# SUBDIVISION APPLICATION

OFFICIAL USE ONLY:

Case # 060823

Fee \$ 150.00

CASE NO. 060823 ZONE: RF CODE: LOT LINE ADJ. APPLICATION DATE: 11/20/18  
 Preliminary Plat     Summary Subdivision     Final Plat     Vacation of Lot Line

Name of Applicant: CHRISTINA DiMATTEO    Applicant's Telephone/Cell Number: (575) 652-2062  
 Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

3046 SNOW RD.    LAS CRUCES    NM    88005  
 Owner of Record: Address    City    State    Zip Code

(SAME AS ABOVE)

Name of Engineer: \_\_\_\_\_ License # of Engineer: \_\_\_\_\_ Address: \_\_\_\_\_ Telephone/Cell Number: \_\_\_\_\_  
GILBERT CHAVEZ    NM 6832    PO BOX 882 Mesilla, NM 88046    649-7605  
 Name of Architect    License # of Architect    Address    Telephone/Cell Number

DiMATTEO SIMMONS SUBDIVISION    SUBDIVISION  
 Subdivision Name    Subdivision Location

Total Acreage: 0.69 AC    Number of Lots: 3 TOTAL (ORIGINALLY 6)  
 Acreage of Largest Lot: 0.10 AC    Acreage of Smallest Lot: 0.18 AC

Legal Description: LOTS 12-6A, 12-6B, 12-6C, 12-6D, 12-6E

Tax Map Property Code (s) (SEE ATTACHED)    Jacob's Map # \_\_\_\_\_

A ZONE CHANGE, VARIANCE, EXEMPTION, OR SPECIAL PERMIT IS ALSO BEING REQUESTED WITH THIS PROPERTY.

EXPLAIN: V19-001 - VARIANCE TO LOT SIZE (GRANTED 3/26/19)

TO RECOGNIZE THE ~~0.69~~ 0.69 AC LOT WILL BE CREATED LEGALLY THROUGH THE TOWN SUB. PROCESS

By signing this application, you hereby acknowledge that ALL the information submitted on and with this application is true and correct to the best of your knowledge and that all provisions of the Town of Mesilla shall be met. No application will be accepted without the original signature of the owner(s) of record of the described property. If more than one owner, ALL owners must sign the application. (Attached an additional sheet if necessary).

Owner(s): Christina DiMatteo    Date: 11-20-18  
 Applicant(s) (if different than owner): \_\_\_\_\_    Date: \_\_\_\_\_

**FOR OFFICIAL USE ONLY**

PZHAC     Administrative Approval    BOT     Approved Date: \_\_\_\_\_  
 Approved Date: \_\_\_\_\_     Disapproved Date: \_\_\_\_\_  
 Disapproved Date: \_\_\_\_\_     Approved with Conditions  
 Approved with conditions

CONDITIONS: PZHAC REVIEW - BOT FINAL APPROVAL REQUIRED.





**NOTICE OF PUBLIC HEARING & INTENT TO RECOMMEND ADOPTION  
OF ORDINANCE 2019-02  
AN ORDINANCE REVISING CHAPTER 15.20 INTERNATIONAL FIRE CODE**

The Board of Trustees (BOT) held a public hearing on **Monday, April 8, 2019 at 6:00 p.m.** in the board room of the Mesilla Town Hall, 2231 Avenida de Mesilla. The purpose of the hearing was to take public comments on the proposed ordinance 2019-02 revising Chapter 15.20 International Fire Code.

As part of their regularly scheduled meeting on **Monday, April 22, 2019 at 6:00 p.m.**, the BOT will consider recommending the adoption of ordinance 2019-02 revising Chapter 15.20 International Fire Code.

Copies of the proposed ordinance change can be found on the Town of Mesilla website [www.mesillanm.gov](http://www.mesillanm.gov) or by calling (575) 524-3262.

\*\*\*\*\*

Posted on 3/7/19 on the following locations: Town Clerk's Office 2231 Avenida de Mesilla, Public Safety Building 2670 Calle de Parian, Mesilla Community Center 2251 Calle de Santiago, Shorty's Food Mart 2290 Avenida de Mesilla, Ristramn Chile Co., 2531 Avenida de Mesilla and the U.S. Post Office 2253 Calle de Parian.

Ordinance 2019-02

**Chapter 15.20  
INTERNATIONAL FIRE CODE**

BE IT ORDAINED BY THE BOARD OF TRUSTEES OF THE TOWN OF MESILLA, DONA ANA COUNTY, NEW MEXICO, THAT:

SECTION 1:

Sections:

15.20.010 Adoption of International Fire Code.

15.20.020 Amendments.

**15.20.010 Adoption of International Fire Code.**

There is hereby adopted by the town of Mesilla board of trustees, for the purpose of prescribing regulations governing conditions hazardous to life and property from fire, hazardous materials or explosion, that certain code known as the 2003 2018 International Fire Code (hereinafter “the code”), as amended in this chapter, and including the following appendices of the code:

Appendix A: Amended as follows: Whenever the fire code official disapproves an application or refuses to grant a permit applied for, or when it is claimed that the provisions of this code do not apply or that the true intent and meaning of this code have been misconstrued or wrongly interpreted, the applicant may appeal from the decision to the Town of Mesilla Board of Trustees by writing to the fire chief requesting an appeal within 30 days of the aggrieved action.

Appendix B: Fire-Flow Requirements for Buildings;

Appendix C: Fire Hydrant Locations and Distribution;

Appendix D: Fire Apparatus Access Roads;

Appendix E: Hazardous Categories;

Appendix F: Hazardous Ranking;

Appendix G: Cryogenic Fluids – Weight and Volume Equivalents. [Ord. 2004-10 § 1]

Appendix H Hazardous Materials Management Plan (HMMP) and Hazardous Materials Inventory Statement (HMIS) Instructions.

Appendix I Fire Protection Systems—Noncompliant Conditions

Appendix J BUILDING INFORMATION SIGN

Appendix K Construction Requirements for Existing Ambulatory Care Facilities

Appendix L Requirements for Fire Fighter Air Replenishment Systems

Appendix M High-rise Buildings—Retroactive Automatic Sprinkler Requirement

Appendix N Indoor Trade Shows and Exhibitions

**15.20.020 Amendments.**

The following sections are hereby revised as follows:

1 Section 101.1 Title. These regulations shall be known as the Fire Code of the  
2 Town of Mesilla hereinafter referred to as “this code.”

3 Section 104.6 Official records. The fire code official shall keep official records  
4 as required by Sections 104.6 through 104.6.4. Such official records shall be  
5 retained in accordance with the record retention requirements established by  
6 the Town of Mesilla, and the State of New Mexico.

7 Section 104.10.2 Fire prevention personnel and police authority.

8 A. Members of the fire prevention services shall have the powers of a police  
9 officer in performing their duties under this code when:

10 1. Such members of the fire prevention services have been certified by a law  
11 enforcement academy authorized by the State of New Mexico; and

12 2. Such members have been commissioned as peace officers in the state of  
13 New Mexico;

14 B. Members of the fire prevention services who meet the requirement stated  
15 in paragraphs (1) and (2) of subpart A of this section shall have the following  
16 powers:

17 1. Powers of arrest for criminal matters;

18 2. Authority to carry such weapons and utilize such equipment necessary in  
19 the discharge of their duties pursuant to this code;

20 3. Authority to investigate arson and related crimes if so appointed and  
21 authorized;

22 C. All other members of the fire prevention services who do not meet the  
23 requirements of subpart A of this section shall have the power to issue  
24 citations only for violations of the International Fire ~~Code, and~~ Code and have  
25 the authority to investigate arson and related crimes in conjunction with the  
26 Town of Mesilla Marshals Department.

27 Section 105.1.1 Permits Required. Permit and license fees, as required by  
28 Table 105.1.1 of this code, shall be paid to the town prior to issuance of the  
29 permit. This fee is charged to pay part of the expense of enforcing this  
30 section. Any person commencing work or performing any action requiring a  
31 permit under this code without first obtaining the necessary permit shall be  
32 subject to a fee of 200% of the scheduled permit fee in addition to the  
33 scheduled permit fee and other penalties set forth in Section 109.3 of this  
34 code. Issued permits shall be kept on the premises designated therein at all  
35 times and shall be readily available for inspection by the fire code official.

36 A. Fee Schedule. Operational permits and construction permits shall be paid  
37 in accordance with current Town of Mesilla fee schedules as adopted by  
38 resolution and shall be in effect for the time listed on the permit.

39 **Table 105.1.1**  
40

TYPE	FEE	TIME
------	-----	------

<b>TYPE</b>	<b>FEE</b>	<b>TIME</b>
<b>Fire Works</b>	<b>\$25</b>	<b>Annual</b>
<b>Haz-Mat Facilities</b>	<b>\$45</b>	<b>Annual</b>
<b>HPM Facilities</b> <del>(Hazardous Production Facilities)</del>	<b>\$45</b>	<b>Annual</b>

1  
2 Section 105.1.1.1 Payment Required. A permit, although issued, shall not be  
3 valid until fees have been paid.

4 Exception: All Government entities are exempted from payment of the permit  
5 fees required in this chapter; provided, that only such facilities as are owned,  
6 operated and maintained by such governmental agencies shall be exempted  
7 from payment of such permit fees.

8 Section 105.4 Construction Documents. Construction documents shall be in  
9 accordance with this section and requirements established by the Town of  
10 Mesilla Code.

11 Section 105.7 Required Construction Permits. The fire code official is  
12 authorized to issue construction permits for work as set forth in Sections  
13 105.7.1 through 105.7.12. Such permits shall be processed through the Town  
14 of Mesilla Community Development Department and shall be in conformance  
15 with the requirements established by this code and the Mesilla Town Code.

16 Section 105.7.1 Automatic Fire-Extinguishing Systems. A construction permit  
17 is required for installation of or modification to an automatic fire-extinguishing  
18 system. Maintenance performed in accordance with this code is not  
19 considered a modification and does not require a permit. Hydraulic  
20 calculations shall be provided for modification to an existing automatic  
21 fire-extinguishing system requiring the installation of additional heads when  
22 either of the following occurs:

- 23 1. Number of heads being added exceeds 10.  
24 2. Number of heads being added is greater than 10 percent of total heads for  
25 the system.

26 The fire code official may require hydraulic calculations be submitted for any  
27 modification to an existing system when deemed necessary to adequately  
28 evaluate the impact on the system.

29 ~~Section 108.1 Appeals. Whenever the fire code official disapproves an~~  
30 ~~application or refuses to grant a permit applied for, or when it is claimed that~~  
31 ~~the provisions of this code do not apply or that the true intent and meaning of~~  
32 ~~this code have been misconstrued or wrongly interpreted, the applicant may~~  
33 ~~appeal from the decision to the Town of Mesilla Board of Trustees by writing~~  
34 ~~to the fire chief requesting an appeal within 30 days of the aggrieved action.~~

35 Section ~~409.3~~ 105.7.2 Violation Penalties. Any person or entity who violates  
36 any of the provisions of the International Fire Code as adopted and amended  
37 herein, or who violates or fails to comply with any order made hereunder, or  
38 who builds without complying with any detailed statement of specifications or  
39 plans submitted and approved hereunder, or any certificate or permit issued

1 hereunder, shall for each and every such violation and noncompliance be  
2 guilty of a petty misdemeanor, and shall be subject to the penalties  
3 established by law, according to section 1.05.080 MTC.

4 Section ~~111.4~~ 105.7.3 Failure to Comply. Any person who shall continue  
5 any work after having been served with a stop work order, except such work  
6 as that person is directed to perform to remove a violation or unsafe  
7 condition, shall be considered to be in violation of this code and shall be  
8 subject to the penalties as set forth in Section 109.3.

9 Section 202 General Definitions.

10 Fire Marshal. Interchangeable with the term fire code official under this code.

11 Jurisdiction. This code shall be applicable to all property within the Town of  
12 Mesilla, New Mexico.

13  
14

**Table 405.2 Fire and Evacuation Drill  
Frequency and Participation.**

<b>Group or Occupancy</b>	<b>Frequency</b>	<b>Participation</b>
Group A & Group H	Quarterly	Employees
Group E	Monthly	All occupants
Group I	Quarterly on each shift	Employees
Group R-1	Quarterly on each shift	Employees
Group R-4	Quarterly on each shift	Employees

15  
16

~~Section 902.1 Definitions.~~

17

~~STANDPIPE SYSTEM, CLASSES OF. Standpipe classes are as follows:~~

18  
19  
20  
21

~~Class II system. A system providing 1.5-inch (38 mm) hose stations to supply  
water for use primarily by the building occupants or by the fire department  
during initial response. 1.5-inch hoses & hose cabinets shall not be provided,  
unless required by the Fire Code Official.~~

22  
23  
24  
25  
26

~~Class III system. A system providing 1.5-inch (38 mm) hose stations to supply  
water for use by building occupants and 2.5-inch (64 mm) hose connections  
to supply a larger volume of water for use by fire departments and those  
trained in handling heavy fire streams. 1.5-inch hoses & hose cabinets shall  
not be provided, unless required by the Fire Code Official.~~

1 ~~Section 903.2 Where Required. Approved automatic sprinkler systems in new~~  
2 ~~buildings and structures shall be provided in the locations described in this~~  
3 ~~section.~~

4 ~~Section 903.2.7 Group R. An automatic sprinkler system installed in~~  
5 ~~accordance with Section 903.3 shall be provided throughout all buildings~~  
6 ~~with a Group R fire area.~~

7 ~~Exception: In detached one and two family dwellings.~~

8 ~~Section 903.4 Sprinkler System Monitoring and Alarms.~~

9 ~~Exceptions:~~

10 ~~2. Limited area systems serving fewer than 20 sprinklers in other than Group~~  
11 ~~H and Group I occupancies.~~

12 ~~Section 903.4.3 Floor Control Valves. Approved supervised indicating control~~  
13 ~~valves shall be provided at the point of connection to the riser on each floor in~~  
14 ~~multi-story buildings. For the purpose of this section a basement shall be~~  
15 ~~considered a story.~~

16 ~~Section 904.11 Commercial Cooking Systems.~~

17 ~~Section 904.12 Commercial Cooking Systems in Existing Facilities. Existing~~  
18 ~~facilities with an automatic fire extinguishing system that does not conform to~~  
19 ~~Section 904.11 shall replace their non-conforming system when one of the~~  
20 ~~following conditions occur:~~

21 ~~1. Within 12 months from the effective date of the ordinance adopting this~~  
22 ~~code.~~

23 ~~2. Upon any alteration or repair to the non-conforming system during the 12-~~  
24 ~~month period.~~

25 ~~3. Upon discharge of the non-conforming system during the 12 month period.~~

26 ~~Section 906.1 Where Required.~~

27 ~~Exception: When approved by the fire code official, in all Group A, B, and E~~  
28 ~~occupancies equipped throughout with quick response sprinklers, fire-~~  
29 ~~extinguishers shall be required only in special hazard areas.~~

30 ~~[B] 909.8.1 Exhaust Rate. The height of the lowest horizontal surface of the~~  
31 ~~accumulating smoke layer shall be maintained at least 6 feet (1829 mm)~~  
32 ~~above any walking surface which forms a portion of a required egress system~~  
33 ~~within the smoke zone. The required exhaust rate for the zone shall be the~~  
34 ~~largest of the calculated plume mass flow rates for the possible plume~~  
35 ~~configurations. Provisions shall be made for natural or mechanical supply of~~  
36 ~~air from outside or adjacent smoke zones to make up for the air exhausted.~~  
37 ~~Makeup air flow rates, when measured at the potential fire location, shall not~~  
38 ~~increase the smoke production rate beyond the capabilities of the smoke~~  
39 ~~control system. The temperature of the make-up air shall be such that it does~~  
40 ~~not expose temperature-sensitive fire protection systems beyond their limits.~~

41 ~~[B] 909.8.3 Reserved.~~

1 ~~[B] 909.8.4 Reserved.~~

2 ~~[B] 909.9 Design Fire. The design fire shall be based on a rational analysis~~  
3 ~~performed by a registered design professional and approved by the building~~  
4 ~~official. The design fire shall be based on the analysis in accordance with~~  
5 ~~Section 909.4 and this section.~~

6 ~~Section 913.4 Valve Supervision. Where provided, the fire pump suction,~~  
7 ~~discharge and bypass valves, and the isolation valves on the backflow~~  
8 ~~prevention device or assembly shall be supervised open by one of the~~  
9 ~~following methods:~~

10 ~~1. Central station, proprietary, or remote station signaling service.~~

11 ~~2. Local signaling service that will cause the sounding of an audible signal at~~  
12 ~~a constantly attended location when approved by the fire code official.~~

13 ~~Section 2210 Reserved.~~

14 ~~Section 2701.5 Permits. Permits shall be required as set forth in Sections~~  
15 ~~105.6 and 105.7.~~

16 ~~When required by the fire code official, permittees shall apply for approval to~~  
17 ~~permanently close a storage, use or handling facility. Such application shall~~  
18 ~~be submitted at least 30 days prior to the termination of the storage, use or~~  
19 ~~handling of hazardous materials. The fire codes official is authorized to~~  
20 ~~require that the application be accompanied by an approved facility closure~~  
21 ~~plan in accordance with Section 2701.6.3.~~

22 ~~Section 2701.6.2 Permanently Out of Service Facilities. Facilities for which a~~  
23 ~~permit is not kept current or is not monitored and inspected on a regular basis~~  
24 ~~shall be deemed to be permanently out of service and shall be closed in an~~  
25 ~~approved manner. When required by the fire code official, permittees shall~~  
26 ~~apply for approval to close permanently storage, use or handling facilities.~~  
27 ~~The fire code official is authorized to require that such application be~~  
28 ~~accompanied by an approved facility closure plan in accordance with Section~~  
29 ~~2701.6.3.~~

30 ~~Section 2701.6.3 Facility Closure Plan. When a facility closure plan is~~  
31 ~~required in accordance with Section 2701.5 to terminate storage, dispensing,~~  
32 ~~handling or use of hazardous materials, it shall be submitted to the fire code~~  
33 ~~official at least 30 days prior to facility closure. The plan shall demonstrate~~  
34 ~~that hazardous materials which are stored, dispensed, handled or used in the~~  
35 ~~facility will be transported, disposed of or reused in a manner that eliminates~~  
36 ~~the need for further maintenance and any threat to public health and safety.~~

37 ~~Section 3301.1.3 Fireworks.~~

38 ~~Exceptions:~~

39 ~~2. Reserved.~~

40 ~~Section 3808.1 General. Fire protection shall be provided for installations~~  
41 ~~having storage containers with a water capacity of more than 1,000 gallons~~  
42 ~~(3,850 L), as required by Section 3-10 of NFPA 58.~~

1 CHAPTER 11 CONSTRUCTION REQUIREMENTS FOR EXISTING BUILDINGS: 1101.1  
2 Scope. The provisions of this chapter shall apply to existing buildings constructed prior to  
3 the adoption of this code and remodeled to the extent that the AHJ determines compliance  
4 with this chapter is necessary. Until such compliance is required, the existing building will  
5 comply with the fire code adopted at the time of construction or remodel.

6 ~~Section D103.1 Access Road Width with a Hydrant. Where a fire hydrant is~~  
7 ~~located on a fire apparatus access road, the minimum road width shall be 20~~  
8 ~~feet (6096 mm).-~~

9 ~~Section D103.5 Fire Apparatus Access Road Gates. Where required by the~~  
10 ~~fire code official, gates securing the fire apparatus access roads shall comply~~  
11 ~~with all of the following criteria:~~

12 ~~Section D104.2 Buildings Exceeding 62,000 Square Feet in Area. Buildings~~  
13 ~~or facilities having a gross building area of more than 62,000 square feet~~  
14 ~~(5760 m<sup>2</sup>) shall be provided with two separate and approved fire apparatus~~  
15 ~~access roads.~~

16 ~~Exception: When approved by the Fire Code Official, projects having a gross~~  
17 ~~building area of up to 124,000 square feet (11,520 m<sup>2</sup>) that have a single~~  
18 ~~approved fire apparatus access road when all buildings are equipped~~  
19 ~~throughout with approved automatic sprinkler systems.~~

20 ~~Section D105.1 Where Required. Where required by the Fire Code Official,~~  
21 ~~buildings or portions of buildings facilities exceeding 30 feet (9144 mm) in~~  
22 ~~height above the lowest level of fire department vehicle access shall be~~  
23 ~~provided with approved fire apparatus access roads capable of~~  
24 ~~accommodating fire department aerial apparatus. Overhead utility and power~~  
25 ~~lines shall not be located within the aerial fire apparatus access roadway.~~

26 ~~Section D106.1 Projects Having More Than 200 Dwelling Units.-~~

27 ~~Exception:~~

28 ~~When approved by the fire code official, projects having up to 200 dwelling~~  
29 ~~units may have a single approved fire apparatus access road when all~~  
30 ~~buildings, including nonresidential occupancies, are equipped throughout with~~  
31 ~~approved automatic sprinkler systems installed in accordance with Section~~  
32 ~~903.3.1.1 or 903.3.1.2 of the International Fire Code.~~

33 ~~Section D107.1 One or Two Family Dwelling Residential Developments.-~~  
34 ~~Developments of one or two family dwellings where the number of dwelling~~  
35 ~~units exceeds 30 shall be provided with separate and approved fire apparatus~~  
36 ~~access roads, and shall meet the requirements of Section D104.3.~~

37 ~~Exceptions:~~

38 ~~1. Where approved by the fire code official, where there are 30 or more~~  
39 ~~dwelling units on a single public or private access way and all dwelling units~~  
40 ~~are protected by approved residential sprinkler systems, access from two~~  
41 ~~directions shall not be required.~~

42 ~~2. The number of dwelling units on a single fire apparatus access road shall~~  
43 ~~not be increased unless fire apparatus access roads will connect with future~~  
44 ~~development, as determined by the fire code official.~~



1        ~~[Ord. 2004-10 § 2]~~

2        **Section 2. Severability**

3        Should any section, clause or provision of this ordinance, for any reason, be held invalid or  
4        unenforceable, the invalidity or unenforceability of such section, paragraph, clause, or provision  
5        shall not affect any of the remaining provision of this ordinance.

6  
7        **Section 3. Repealer**

8        All ordinances or resolutions, or part therefore, inconsistent with this ordinance are hereby  
9        repealed to the extent only of such inconsistency. This repealer shall not be construed to revive  
10       any ordinance or resolution.

11  
12       **Section 4. Effective Date**

13       This ordinance shall be in full force and effect, five (5) days after this approval, adoption and  
14       publication as provided by law.

15  
16  
17       PASSED, ADOPTED AND APPROVED this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

18

19

20

21

\_\_\_\_\_  
Mayor  
Town of Mesilla

22

23

24       ATTEST: \_\_\_\_\_

25

26       By: \_\_\_\_\_

27

Town Clerk/Treasurer



## **RESOLUTION NO. 2019-04**

### **AUTHORIZING AND APPROVING SUBMISSION OF A COMPLETED APPLICATION FOR FINANCIAL ASSISTANCE AND PROJECT APPROVAL TO THE NEW MEXICO FINANCE AUTHORITY.**

WHEREAS, the Town of Mesilla (“Governmental Unit”) is a qualified entity under the New Mexico Finance Authority Act, Sections 6-21-1 through 6-21-31, NMSA 1978 (“Act”), and the Town of Mesilla (“Governing Body”) is authorized to borrow funds and/or issue bonds for financing of public projects for benefit of the Governmental Unit; and

WHEREAS, the New Mexico Finance Authority (“Authority”) has instituted a program for financing of projects from the public project revolving fund created under the Act and has developed an application procedure whereby the Governing Body may submit an application (“Application”) for financial assistance from the Authority for public projects; and

WHEREAS, the Governing Body intends to undertake acquisition of a Type I Fire Apparatus (“Project”) for the benefit of the Governmental Unit and its citizens; and

WHEREAS, the application prescribed by the Authority has been completed and submitted to the Governing Body and this resolution approving submission of the completed Application to the Authority for its consideration and review is required as part of the Application.

NOW THEREFORE BE IT RESOLVED BY THE GOVERNING BODY OF THE TOWN OF MESILLA:

Section 1. That all action (not consistent with the provision hereof) heretofore taken by the Governing body and the officers and employees thereof directed toward the Application and the Project, be and the same is hereby ratified, approved and confirmed.

Section 2. That the completed Application submitted to the Governing Body, be and the same is hereby approved and confirmed.

Section 3. That the officers and employees of the Governing Body are hereby directed and requested to submit the completed Application to the Authority for its review, and are further authorized to take such other action as may be requested by the Authority in its consideration and review of the Application and to further proceed with arrangements for financing the Project.

Section 4. All acts and resolutions in conflict with this resolution are hereby rescinded, annulled and repealed.

Section 5. This resolution shall take effect immediately upon its adoption.

PASSES APPROVED AND ADOPTED this 8th day of April 2019.

GOVERNING BODY

By \_\_\_\_\_  
Nora L. Barraza  
Mayor

ATTEST:

\_\_\_\_\_  
Cynthia Stoeber-Hernandez  
Town Clerk-Treasurer



**NEW MEXICO  
FINANCE AUTHORITY**

**NMFA Use Only:**

<b>App. #:</b>	<b>-PP</b>
<b>FA assigned:</b>	
<b>Legislative Authorization</b>	

**PUBLIC PROJECT REVOLVING FUND  
EQUIPMENT APPLICATION**

**I. GENERAL INFORMATION**

**A. APPLICANT /ENTITY**

<b>Application Date:</b>	
--------------------------	--

<b>Applicant/Entity:</b>			
<b>Address:</b>			
<b>County</b>		<b>Census Tract:</b>	
<b>Federal Employer Identification Number (EIN) as issued by the IRS:</b>			
<b>Legislative District:</b>	<b>Senate:</b>		<b>House:</b>
<b>Phone:</b>		<b>Fax:</b>	
<b>Individual Completing Application:</b>			
<b>Address:</b>			
<b>Phone:</b>		<b>Fax:</b>	
<b>Email Address:</b>			

**II. PROJECT SUMMARY**

**A. Project Description.** Complete the following information, using additional paper if necessary. Include any additional documents that may be useful in reviewing this project, i.e. architectural designs, feasibility studies, business plan, etc.

**1. Description of Equipment:**

2. When do you need NMFA funds available? \_\_\_\_\_

**B. Total Project Cost & Sources of Funds Detail.**

Equipment Items	NMFA Funds Requested	Other Public Funds*	Private Funds	Total
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
	\$	\$	\$	\$
<b>Total Cost:\$</b>	\$	\$	\$	\$

**III. FINANCING**

A. Specify the revenue to be pledged as security for the NMFA loan (a revenue source must be pledged for this type of project).

- Municipal Local Option GRT – please specify: \_\_\_\_\_
- County Option GRT – please specify: \_\_\_\_\_
- Other Tax-Based Revenue: \_\_\_\_\_
- State-Shared GRT
- Law Enforcement Funds
- Fire Protection Funds
- Other Revenue: \_\_\_\_\_

B. Preferred financing term: \_\_\_\_\_ years.

C. Is any debt being repaid from the revenue source(s) referenced in A (1)? Yes  No

**If yes, provide bond or loan documents and payment schedule for any existing debt service being paid from the same revenues that would be used to repay a NMFA loan.**

**IV. READINESS TO PROCEED ITEMS**

A. The following items must accompany this application in order for this application to be considered complete:

- Equipment cost breakdown (if applicable)
- Three most recently completed fiscal year audit reports

- Current unaudited financials
- Current fiscal year budget
- Equipment Application
- Application Resolution
- Minutes of public hearing meeting approving submission of application
- Any additional information requested by NMFA

**V. CERTIFICATION**

**I certify that:**

**We have the authority to request and incur the debt described in this application and, upon award, will enter into a contract for the repayment of any NMFA loans and/or bonds.**

**We will comply with all applicable state and federal regulations and requirements.**

**To the best of my knowledge all information contained in this application is valid and accurate and the submission of this application has been authorized by the governing body of the undersigned jurisdiction.**

**Signature:**

**Title:**

\_\_\_\_\_

(highest elected official)

\_\_\_\_\_

**Jurisdiction:**

\_\_\_\_\_

**Print Name:**

**Date:**

\_\_\_\_\_

\_\_\_\_\_

**Signature:**

**Date:**

\_\_\_\_\_

\_\_\_\_\_

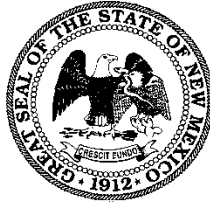
**Finance Officer/Director:**

\_\_\_\_\_

# NEW MEXICO PUBLIC REGULATION COMMISSION

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P.O. Box 1269  
1120 Paseo de Peralta, Room 413  
Santa Fe, NM 87504-1269

STATE FIRE MARSHAL DIVISION  
Don Shainin, State Fire Marshal

1-800-244-6702 (In-state only)  
(505) 476-0066  
Fax: (505) 476-0100

## CHIEF OF STAFF

Ernest D. Archuleta, P.E.

January 11, 2019

Kevin Hoban  
Mesilla, Fire Chief  
PO Box 10  
Mesilla, New Mexico 88046

Chief Hoban:

The specifications you submitted by Mesilla for the purchase of an engine have been reviewed and approved. The Mesilla Fire Department is authorized to use fire protection Fund monies and grant monies for the purchase of this Engine. **Please be advised the standards for the apparatus shall comply with NFPA 1901 Standards for Automotive Fire Apparatus 2016 Edition. The Fire Station shall have the adequate space needed to properly house this apparatus.**

**The Engine SHALL be ordered fully equipped to meet NFPA 1901 standards. All equipment shall be mounted to meet NFPA 1901 Standards for Automotive Fire Apparatus 2009 Edition.**

**"This letter shall serve as approval to expend fire protection fund monies to finance the cost of the Engine. The Mesilla Fire Department is currently and ISO rating of 5 with a minimum yearly Fire Protection Fund Allocation of \$145,946.00**

If there are any major changes in the specifications that are made prior to bidding procedures, this office must approve the changes or this authorization of expenditure shall be rendered null and void.

If you anticipate a loan, I recommend that you contact the New Mexico Finance Authority {NMFA} at 505-984-1454 to finance the Engine. A loan through NMFA will be at minimal interest.

This letter shall serve as authorization for you to enter into an agreement with NMFA for the commitment of fire protection fund monies.

For future references, please be reminded that all purchases shall be accomplished in accordance with the policies and guidelines of your governing body, the provisions of the Public Purchase Act, and as approved by the New Mexico Department of Finance and Administration.

If you should have any questions please do not hesitate to contact me at 505-709-8150.

A handwritten signature in cursive script that reads "Randy J. Varela".

Sincerely,  
Randy J. Varela  
Fire Service Coordinator  
New Mexico State Fire Marshal's Office

XC  
Don Shainin, State Fire Marshal Office  
File

TOWN OF MESILLA FIRE DEPARTMENT  
RESCUE PUMPER



CUSTOM SPECIFICATIONS  
CUSTOM CHASSIS  
PUMPER / TANKER

***Prepared Exclusively for:***  
Town of Mesilla Fire Department  
2670 Calle De Parian  
Mesilla, New Mexico 88046

***Presented By:***  
Firefighter Trucks Inc.  
2050 West Hadley Ave.  
Las Cruces 88007  
Phone: 575-640-5827  
Contact: Jeff Wood



TOWN OF MESILLA FIRE DEPARTMENT  
RESCUE PUMPER

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER



### PROPOSAL TO FURNISH FIRE APPARATUS

Date: [February 1 2019](#)

To: Mesilla Fire Department

Dear Sirs:

We hereby propose and agree to furnish, after your acceptance of this proposal and both parties accepting the accompanying HME Sales Agreement, the following apparatus and equipment:

[One \(1\) HME Ahrens-Fox Pumper on an HME Custom Four Door Cab & Chassis with all equipment as described in the attached HME proposal, for the sum of:](#)

[Three Hundred Ninety-Nine Thousand, Five Hundred Thirty Eight dollars and no/cents  
\(\\$399,538.00\)](#)

Except as otherwise specified in this Agreement and provided that the Buyer has paid the purchase price, the Vehicle shall be ready for delivery within 270 calendar days after the HME Sales Agreement is signed and executed by an officer of Company at the Company's Corporate Headquarters in Wyoming, Michigan, and based upon a satisfactory completion of a Pre-Construction Conference, if requested. The Company cannot be held liable for penalties and/or delays due to strikes, failures to obtain materials, fires, accidents, force majeure, or any other causes beyond the Company's control.

The amount named in this proposal shall remain firm for a period of 30 days from the date of same. All state, federal and local taxes are not included above. Any applicable taxes are to be paid by customer upon registration and licensing of vehicle. It is understood by both the Seller and the Buyer that Change Orders executed after contract acceptance will delay delivery. It is understood by both the buyer and the seller that Change Orders executed after contract acceptance may increase or decrease the price. The purchase price herein is based upon all applicable state and federal manufacturing law, regulations, orders, mandates and standards in effect as of the date of this Agreement (hereinafter "Standards") such as, for example, the Standards mandated by the National Fire Protection Association, tentative interim amendments to the National Fire Protection Association Standard, Underwriters Laboratories of Canada, and the US Environmental Protection Agency. The purchase price shall be subject to increase due to any state or federal Standards that are adopted, issued or mandated following the date of this Agreement that require the apparatus(es) described above to be manufactured and/or delivered in compliance with such Standard(s)

All checks must be made payable to HME, Incorporated only and delivered to HME, Incorporated at its offices in Wyoming, Michigan. Under no circumstances shall payment be made to a dealer or anyone else as Sellers agent. HME, Incorporated is the only authorized payee. Any representation that payment is to be made to any other party is absolutely unauthorized.

Official ownership documents shall remain property of the seller until the purchase price is paid in full. Upon receipt of payment, ownership documents shall be forwarded to the purchaser.

Respectfully submitted,

TOWN OF MESILLA FIRE DEPARTMENT  
RESCUE PUMPER

We agree to accept the above proposal:

Firefighter Trucks Inc.

Mesilla Fire Department

\_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **RESPONSE TO BID**

HME, Incorporated certifies that qualified personnel have read the complete Fire Department bid invitation carefully and are submitting their proposal in strict accordance with all requirements.

HME, Incorporated understands that all clarifications, corrections and/or changes shall be sent out in writing via fax to all prospective bidders from the Fire Department or purchasing authority. HME, Incorporated also acknowledges that they have no control over clarifications, corrections and/or changes required if said facsimile is not received prior to submission of our bid documents.

HME, Incorporated fully understands that the purchaser reserves the right to reject any or all bids or accept any bid presented which meet or exceed these specifications and which the purchaser may deem shall be in the best interest of the City regardless of the amount proposed.

HME, Incorporated certifies that the complete apparatus shall be manufactured within the continental United States.

### **ESTABLISHED BUILDER**

HME, Incorporated has been in continuous operation and in business since 1913.

The apparatus will be assembled in the Grand Rapids, Michigan area.

### **ROAD TEST CERTIFICATION**

A road test shall be conducted by HME, Incorporated with the finished apparatus fully loaded. During this time, the apparatus shall not show loss of power and/or overheating. The transmission driveshaft or shafts and rear axle shall run free from abnormal vibration or noise throughout the operating range of the apparatus. The apparatus, when loaded, shall have not less than 25% or more than 45% of the weight on the front axle and not less than 55% or more than 75% on the rear axle.

A. The apparatus shall be capable of accelerating to 35 mph from a standing start within 25 seconds on a level concrete highway without exceeding the maximum governed RPM of the engine.

B. The apparatus shall be capable of accelerating from a steady speed of 15 mph to a true speed of 35 mph within 30 seconds. This shall be accomplished without moving the gear selector.

C. The fully loaded apparatus shall be capable of obtaining a speed of 50 to 55 mph on a level concrete highway.

D. HME, Incorporated shall furnish copies of the engine installation approvals signed by the appropriate engine company upon delivery of the chassis to the Fire Department.

E. HME, Incorporated shall furnish copies of the transmission approval signed by the transmission manufacturer upon delivery of the chassis to the Fire Department.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **12 VOLT ELECTRICAL SYSTEM LOAD TEST**

#### **Electrical System Performance Tests**

The apparatus low-voltage electrical system shall be tested and certified. The certification shall be delivered to the purchaser with the apparatus.

Tests shall be performed when the air temperature is between 0°F and 110°F (18°C and 43°C).

#### **Test Sequence**

The following three tests shall be performed in the order indicated below. Before each test, the batteries shall be fully charged until the voltage stabilizes at the voltage regulator set point and the lowest charge current is maintained for 10 minutes. Failure of any of these tests shall require a repeat of the sequence.

#### **Reserve Capacity Test**

The engine shall be started and kept running until the engine and engine compartment temperatures are stabilized at normal operating temperatures and the battery system is fully charged. The engine shall be shut off and the minimum continuous electrical load shall be activated for 10 minutes. All electrical loads shall be turned off prior to attempting to restart the engine. The battery system shall then be capable of restarting the engine. Failure to restart the engine shall be considered a test failure.

#### **Alternator Performance Test at Idle**

The minimum continuous electrical load shall be activated with the engine running at idle speed. The engine temperature shall be stabilized at normal operating temperature. The battery system shall be tested to detect the presence of battery discharge current. The detection of battery discharge current shall be considered a test failure.

#### **Alternator Performance Test at Full Load**

The total continuous electrical load shall be activated with the engine running up to the engine manufacturers governed speed. The test duration shall be a minimum of 2 hours. Activation of the load management system shall be permitted during this test. However, an alarm sounded by excessive battery discharge, as detected by the system required in 11-3.3, or a system voltage of less than 11.7 volts dc for a 12-volt nominal system or 23.4 volts dc for a 24-volt nominal system, for more than 120 seconds, shall be considered a test failure.

#### **Low-Voltage Alarm Test**

Following the completion of the above tests, the engine shall be shut off. The total continuous electrical load shall be activated and shall continue to be applied until the excessive battery discharge alarm activates.

The battery voltage shall be measured at the battery terminals. With the load still applied, a reading of less than 11.7 volts dc for a 12-volt nominal system or 23.4 volts dc for a 24-volt nominal system shall be considered a test failure.

The battery system shall then be able to restart the engine. Failure to restart the engine shall be considered a test failure.

#### **Documentation**

At the time of delivery, the manufacturer shall provide the following:

- (1) Documentation of the electrical system performance tests
- (2) A written load analysis, including the following:
  - a. The nameplate rating of the alternator
  - b. The alternator rating under the conditions specified in 11-3.1
  - c. Each component load specified in 11-3.2 comprising the minimum continuous load
  - d. Additional loads that, when added to the minimum continuous load, determine the total connected load
  - e. Each individual intermittent load

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **LIABILITY**

HME, Incorporated shall defend any and all suits and assume all liability for use of any patented process, device or article forming a part of the completed vehicle or any appliance under the contract.

### **INSPECTION TRIP**

One (1) inspection trip for up to two (2) Fire Department personnel shall be made to the HME, Incorporated manufacturing facility at completion of construction of the apparatus. The Apparatus will be physically inspected and approved during this meeting. Air travel meals, and lodging expenses shall be included.

### **APPARATUS FAMILIARIZATION**

Fire Department personnel will be instructed as to the use of the entire apparatus including, but not limited to, chassis, fire pump system, the apparatus, and supplied equipment.

The familiarization specialist will remain at the Fire Department for one (1) day (not less than eight (8) hours), to provide instruction to all personnel, or as instructed by Chief of the Department. All meals, motel, and travel costs are the responsibility of the successful bidder.

**NFPA 4.3.2** After delivery of the fire apparatus, the purchaser shall be responsible for ongoing training of its personnel to proficiency regarding the proper and safe use of the apparatus and associated equipment as defined in NFPA 1002, Standard for Fire Apparatus Driver/Operator Professional Qualifications, and NFPA 1500, Standard on Fire Department Occupational Safety and Health Program.

### **DELIVERY DATA RESPONSE**

Delivery of the completed shall be no more than two-hundred seventy (270) calendar days after acceptance of the formal contract by the HME, Incorporated.

HME, Incorporated shall not be held liable for damages arising from its failure to make or delay in making deliveries because of fire, flood, riot, major component shortage, accidents, acts of God, or any circumstances beyond their control.

Information supplied at time of delivery to be as follows:

- A. Line set ticket showing parts used by the manufacturer in construction of the cab and chassis.
- B. Electrical "as built" schematic booklet.
- C. Air system "as built" schematic booklet.
- D. Final build data sheet showing serial numbers for the following:
  - 1) Cab and chassis vehicle identification number
  - 2) Engine
  - 3) Transmission
  - 4) Front axle
  - 5) Rear axle(s)
  - 6) Each tire showing mounting location on the chassis.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

E. Final build measurement data sheet showing the following:

- 1) Bumper extension
- 2) Wheelbase
- 3) Rear overhang
- 4) Cab measurements for the ground to the bottom of the cab at all four corners and the frame to cab extreme at the frame height for all four corners of the cab.
5. Suspension measurements for the ground to the top of the frame at the centerline of the front axle and the centerline of the rear axle or centerline of the tandem axles.

F. One (1) copy of complete, as delivered, chassis operation and general maintenance instructions including, but not limited to the chassis, engine, transmission, axles, and lubrication charts shall be supplied.

### **SINGLE SOURCE MANUFACTURER**

HME, Incorporated certifies that they meet all requirements of a single source apparatus manufacturer. The definition of single source shall be "a manufacturer that designs and manufactures their products using an integrated approach, including the chassis, cab and body being fabricated and assembled on the bidder's premises". The warranties relative to the chassis and body design (excluding component warranties such as engine, transmission, axles, pump, etc.) must be from a single source manufacturer and not split between manufacturers (i.e. body and chassis).

### **VEHICLE SUPPORT DOCUMENTATION**

For long term support of the vehicle and in order to provide proper maintenance, the following information shall be provided with the delivery of the vehicle. HME, Incorporated has provided this information in the exact requested format of the bid.

HME, Incorporated understands that this vehicle shall be in operation for a minimum of twenty (20) years. The following information shall be provided in electronic format with delivery of the completed vehicle. The format shall provide hyperlinks to major categories and/or subjects from a content page. A word search engine shall provide quick transport of the user to any area within the document when a keyword or phrase is found. The entire manual shall be able to be printed from the electronic media to paper form. The manual shall be compatible with both PC and Mac platforms.

HME, Incorporated shall also provide an electronic "Operator's and Maintenance Manual". This manual shall encompass complete information for the vehicle and vehicle systems including all accessories and/or options. The "Operator" section of the manual shall describe each component, gauge and switch with proper operation and operational warnings. The "Maintenance" section of the manual shall provide proper maintenance of the vehicle for all systems and components supplied. A "Lubrication" section shall also be provided in the manual. This section shall provide all lubricant types and capacities for the vehicle. Lubrication diagrams to visually locate the lubrication points of the vehicle shall also be provided.

HME, Incorporated shall also provide an electronic "Electrical System Manual". This manual shall provide complete wiring schematics for the vehicle and diagrams of the vehicle showing the wiring harness routing within the vehicle. Each of these diagrams shall include the connectors between the harnesses that provide a hyperlink to a drawing of the actual connector where pin functions can be examined. Schematics for each system of the vehicle shall be provided with hyperlinks to the connectors for pin designations and to the vehicle drawings for harness location within the vehicle.

HME, Incorporated shall provide an electronic "Air System Manual". This manual shall provide complete air system schematics for the vehicle with diagrams of the vehicle showing the air tubing routing within the vehicle. Schematics for each system of the vehicle shall be provided with hyperlinks to the tanks and valves and to the vehicle drawings for exact location within the vehicle.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

Additional documentation to be provided. A vehicle build sheet shall be provided. This build sheet shall include the major assemblies used in construction of the vehicle. Final inspection data including the serial numbers of the engine, transmission, axles, and tires equipped on the vehicle.

### **ORIGIN OF MANUFACTURER**

HME, Incorporated is the manufacturer of the apparatus herein specified is a wholly owned (100%) and managed by a company, corporation and/or parent company that is wholly based and permanently resides in the United States of America.

### **NFPA 1901 2016 EDITION**

The National Fire Protection Association "Standard for Automotive Fire Apparatus, current Edition, is hereby adopted and made a part of these specifications, the same as if it were written out in full detail, with the exception of the section dealing with "Equipment Recommended for Various Types of Apparatus". Bidders shall provide the equipment specifically requested herein and the buyer shall supply the rest before the apparatus is put into service.

### **APPARATUS VOCATION AND BASIC ATTRIBUTES**

When completed this HME Ahrens-Fox fire apparatus shall have the following attributes:

#### **Order Information:**

Apparatus Builder: HME, Incorporated  
Sales Representative: Firefighter Trucks Inc.

#### **User Information:**

End User: Town of Mesilla Fire Department  
Mailing Address: 2670 Calle De Parian,  
City: Mesilla  
State: New Mexico  
Zip Code: 88046  
F.D. Contact: Chief Kevin Hoban  
Phone Number: 575-523-1311  
Contacts email: firechief@mesillanm.gov

#### **Hose well options:**

Indicate the hose that shall be installed in the well.  
Hosewell Location:  
X - Center  
Hose Brand: Key Combat  
Hose Model: 1.88  
Hose Size: 1 3/4 inch  
Number of feet required: 200



# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### Overall Height Restriction

**119** - Inches ground to the top of the highest part of apparatus when fully loaded  
**NO EXCEPTION**

Minimum angle of approach - Eight degrees  
Minimum angle of departure - Eight degrees

### PAINT CODES AND BASIC ATTRIBUTES

#### **Paint Information**

Paint Manufacturer: **PPG is HME Standard Paint**

#### **CAB EXTERIOR**

Two Tone Color:  
Upper paint color: High Gloss Black  
Upper paint code: 009  
Lower paint color: Red  
Lower paint code: 926234

#### **BODY PAINT**

Color Body Panels Color: Red, Roll up Doors only  
Color Body Panels Code: FBCH 926234

Hosebed Wall Color: No Paint  
Hosebed Wall Code: No Paint

#### **RIMS**

Color Painted Rims Color: High Gloss Black  
Color Painted Rims Code: 009

#### **FRAME RAILS**

Color Painted Frame Color: Gloss Black  
Color Painted Frame Code: 009

### CUSTOM CHASSIS - SINGLE SOURCE MANUFACTURER

The chassis shall be designed and manufactured by the apparatus builder in the manufacturer's facility. The manufacturer shall demonstrate evidence of manufacturing similar custom vehicles for at least fifty (50) years.

Bids shall only be accepted from a single source apparatus manufacturer. The definition of single source shall be "a manufacturer that designs and manufactures their products using an integrated approach, including the cab and chassis, pump module, apparatus body and aerial device being fabricated and assembled on the bidder's premises". The warranties relative to the chassis, apparatus body and aerial device (excluding component warranties such as engine, transmission, axles, pump, etc.) must be from a single source manufacturer and not split between manufacturers (i.e. body and chassis). The bidder shall provide evidence that they comply with this requirement. No exceptions will be permitted to this section of the document.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

The chassis shall be designed and manufactured for heavy duty fire service with adequate strength and capacity for all components as detailed within these specifications.

### **CHASSIS FRAME**

The frame shall be designed to industry standards. The manufacturer shall provide a life time frame side rail warranty to the original purchaser of the chassis. The frame rails shall be 10.5" x 3.5" x .375" heat treated steel.

The frame side rails shall be 110,000 psi minimum yield and shall have a minimum section modulus of 18.34 cu. in. calculated by using the square corner shape method. The resulting frame rail resistance to bending moment shall be 2,017,400 in. lb. per rail.

To insure the maximum clamp load for the fastener prevailing torque the crossmembers shall be bolted in place using grade 8 bolts, hardened washers, and grade C distorted thread locknuts. Flanged head fasteners shall not be acceptable. The top of the frame rails shall be free of bolt heads.

Frame engine cutouts shall be made with a plasma torch to minimize the heat affected zone of the cut. All cutouts shall have a minimum of 6 inch transitions between rail flange cut depths to reduce the stress concentrations throughout the cutout area. The root of all transition areas shall have a minimum of a 2 inch radius to reduce stress concentrations at the root.

The frame rails shall be powder coated prior to chassis painting to reduce the effect of harsh road chemicals.

### **FRONT JUMPLINE DISCHARGE**

A 1-1/2" discharge shall be located at the front bumper. The front discharge shall be plumbed using 2" stainless steel pipe and wire reinforced high pressure hose coupled with stainless steel fittings.

The front discharge outlet shall have a 2" quarter-turn swing out valve with the control located on pump operator's panel.

The front discharge at the bumper shall be provided with a 2" to 1-1/2" polished stainless steel, 90° swivel adapter with 1-1/2" NST male outlet.

The jumpline swivel shall be located on top of the gravelshield adjacent to the hosewell.

### **AUTOMATIC DRAIN VALVE**

One (1) Class 1, 3/4" automatic drain valve shall be supplied.

### **BUMPER EXTENSION**

The front frame extension shall be bolted directly to the main rail. The extension and main rail joint shall have a 3/8" thick side plate for reinforcement. The completed apparatus must be able to be lifted at the front bumper without structural damage to the front extension for towing of a disabled vehicle.

The front bumper face shall extend 21 inches ahead of the front face of the cab skin.

### **TOW HOOKS**

Two (2) chromed tow hooks shall be provided and shall be attached directly to the front frame extension under the bumper. These tow hooks shall be attached with two Grade 8 bolts with hardened washers and Grade "C" distorted thread locknuts.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **GRAVELSHIELD**

A gravelshield shall be installed filling the area above the extension rails. This gravelshield shall be constructed of .125" thick NFPA non-skid, bright, non-skid, aluminum treadplate. The gravelshield shall be supported at the front by the top flange of the stainless steel bumper. At the rear, the gravelshield shall be supported by a steel substructure.

### **CENTER HOSEWELL**

A hosewell shall be installed in the center of the gravelshield. The hosewell shall be constructed of .125" aluminum. The upper edges of the hose well shall be tapered to allow for smooth, snag free removal of the hose. The hosewell shall be 26-1/2" wide x bumper depth deep x (extension - 6") front to back. The hosewell shall be mounted between the bumper extension rails.

### **HOSEWELL COVER**

The hosewell shall include a diamond plate hinged cover. The cover shall be manufactured with bevel style ends. A "D-Ring" handle shall be used to open the lid with a gas shock to hold the lid in the open position.

### **FRONT AXLE**

The front axle shall be a MERITOR model "MFS-18-133A-N" with a 18,740 lb. capacity.

### **CRAMP ANGLE**

The chassis shall have a turning cramp angle of 45-degrees. Both left and right turns have a full 45° cramp angle with tires and wheels mounted on the axle and installed in the chassis. The 45° cramp angle is achieved irrespective of options such as front suction and disc brakes.

### **FRONT AXLE OIL SEALS**

The front axle shall be equipped with oil bath type oil seals as supplied on the axle from the axle manufacturer. The spindles shall be equipped with transparent covers for oil level inspection.

### **FRONT AXLE BRAKES**

The front brakes shall be Cam-Master Q Plus, 16-1/2" X 6" (419 x 152), S-Cam, air operated heavy duty brakes for increased stopping power and brake life in severe braking applications.

The "S" cam brakes shall incorporate a double anchor pin design, for stability and smooth consistent stopping. The camshafts shall be heat treated with rolled spline construction.

The front axle shall be equipped with automatic slack adjusters (ASA) to provide optimum brake performance.

### **FRONT SUSPENSION**

The front suspension shall be a pin and shackle design. Front springs shall be a minimum of ten (10) leaf elliptical type, 53" x 3-1/2" x .499" forged steel. The front springs shall have a military wrapper for safe operation. For a smooth ride the spring rate shall not exceed 3,000 lbs/in deflection.

All front spring pins shall be ground heat treated steel with grease fittings for lubrication.

The entire front suspension shall be designed for heavy duty custom fire apparatus with a capacity at ground of 18,740 lbs.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **SHOCK ABSORBERS**

Double acting hydraulic shock absorbers are to be installed.

### **STEERING SYSTEM**

The steering shall be equipped with a single SHEPPARD M110 integral power steering gear. The engine shall be equipped with a gear driven pump.

A remote steel reservoir shall be provided with the ability to check the fluid level when the cab is in the lowered position.

### **SINGLE REAR AXLE**

The rear axle shall be a MERITOR model "RS-25-160" with a 27,000# capacity for the fire service.

### **MERITOR DIFFERENTIAL**

The rear axle shall contain a Meritor 160 Series differential with an 18 inch diameter ring gear utilizing hypoid-Generoid gearing and a 2-1/4 inch diameter axle shaft.

### **AXLE DIFFERENTIAL LUBE**

The axle shall have the initial factory fill made with non-synthetic axle lube meeting the axle manufacturer's recommendations.

### **REAR AXLE OIL SEALS**

The rear axle shall be equipped with premium oil bath type oil seals as supplied on the axle from the axle manufacturer.

### **REAR AXLE BRAKES**

The rear brakes shall be Cam type, 16-1/2" X 7" (419 x 178), S-Cam, air operated heavy duty brakes for increased stopping power and brake life in severe braking applications.

The "S" cam brakes shall incorporate a double anchor pin design, for stability and smooth consistent stopping. The camshafts shall be heat treated with rolled spline construction.

The rear axle shall be equipped with automatic slack adjusters (ASA) to provide optimum brake performance.

### **VEHICLE TOP SPEED**

The rear axle shall be geared for a top speed of 62 to 65 mph at engine governed RPM.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **NFPA TOP SPEED STATEMENT**

NFPA-1901, 2016 Edition - 4.15.2 The maximum top speed of fire apparatus with a GVWR over 26,000 lb (11,800 kg) shall not exceed either 68 MPH (105 km/hr) or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower.

NFPA-1901, 2016 Edition - 4.15.3 If the combined water tank and foam agent tank capacities on the fire apparatus exceed 1250 gal (4732 L), or the GVWR of the vehicle is over 50,000 lb (22,680 kg), the maximum top speed of the apparatus shall not exceed either 60 MPH (105 km/hr) or the manufacturer's maximum fire service speed rating for the tires installed on the apparatus, whichever is lower.

The speed selected on this apparatus exceeds 60 MPH (105 km/hr) and the customer is aware of NFPA-1901 and the top speed that will be achieved with the finished apparatus.

Truck gearing shall be such to provide for a customer requested top speed at engine governed RPM. If the top speed exceeds NFPA requirements listed above the engine ECM will have road speed limiting programmed so the maximum attainable speed that will not exceed that limit. This is field adjustable with Cummins Insite.

### **SINGLE AXLE REAR SUSPENSION**

The rear springs shall be a minimum of seventeen (17) main including four (4) auxiliary leaves. The rear suspension shall have a rating of 27,000 lbs. Capacity. The rear suspension shall be a "self-leveling" slipper type with a main torque leaf that contains a military wrapper. The torque leaf shall contain a bronze bushing for long service life.

The rear hangers are to be of the slipper design. For a smooth ride the rear suspension deflection rate shall not exceed 3,790 lbs. per inch.

One (1) inch diameter rear suspension U-bolts are required.

Two (2) main frame cross members shall be mounted in the rear suspension area, bolted to the frame rail as a rear suspension support member. Each cross member shall be a wide base flanged design to provide frame spacing and excellent strength to prevent frame paralleling. Each cross member shall be bolted in place using grade 8 bolts, hardened washers, and grade "C" distorted thread locknuts.

### **LASER ALIGNMENT**

The chassis shall have a laser alignment performed at the factory before delivery.

**Toe In Front Axle** - The toe in on a vehicle is set to reduce tire wear and to insure that the vehicle shall steer in a straight line. Toe in measurements are set to a positive 2.5 millimeters total, giving the vehicle 1.25 millimeters from side to side.

**Toe In Rear Axle** - The toe in on the rear wheels is set up slightly different in that the axle and wheels are set to ride the "crown" of the road. This is achieved by adjusting the toe to a measurement of no less than 1 millimeter, but no more than 2 millimeters. The ideal measurement is 1.5 millimeters total for both sides.

**Cramp Angle** - Cramp angle is set to achieve the greatest turning radius possible with the selected components of the vehicle. Each front wheel is set to zero degrees. The wheel is then turned until it reaches the steering stops. This measurement is the cramp angle.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **AIR SYSTEM**

An air brake system meeting the requirements of the FMVSS-121 shall be provided. The system shall consist of three (3) reservoirs with a 4,362 cu. in. volume. The air system shall consist of the following components:

Dual air system with dual gauges and a warning light and buzzer. A spring actuated parking brake built into the rear axle brakes with a manual control and warning light in the cab. These shall automatically apply in case of air system failure. A mechanical means of releasing the spring brake shall be provided in the event of total loss of air pressure.

A quick build up system shall be provided, capable of building enough air pressure to release the spring brake in less than thirty (30) seconds, when starting with the entire air system at zero pounds pressure.

The brake system shall be a split system. One (1) system serving the rear brakes and one (1) system serving the front brakes. The two (2) systems shall be connected with a double check valve that shall automatically shuttle air from the front system to the rear system should loss of air pressure occur. This system shall also modulate the amount of air so the spring brakes shall apply in direct relationship to the amount of pressure applied to the treadle valve.

The brake system shall be equipped with a Bendix SR-7 valve to provide modulated spring brakes in the event there is low air pressure in the rear axle air supply reservoir.

The spring brakes shall be piped in such a manner that if the treadle valve is depressed while the spring brakes are applied, the spring brakes shall release and remain released as long as the treadle valve is depressed. They shall reapply immediately when the treadle valve is released.

The piping in the air system shall be 2-ply nylon reinforced color coded tubing for all stationary lines.

### **AIR DRYER**

The air system shall include a BENDIX AD-SP air dryer.

The air dryer shall have a spin off desiccant cartridge.

The air dryer shall incorporate an integral turbo cutoff valve. The turbo cutoff valve shall close the path between the air compressor and the air dryer purge valve during the compressor "unload" cycle. This shall allow the air dryer to purge the water and contaminants without any loss of turbo boost or engine horsepower.

A 12 volt heated moisture ejector shall be an integral part of the air dryer. This heater shall be thermo- statically controlled. The electrical connection for the heater shall use a sealed electrical connector to protect against moisture and corrosion.

### **MANUAL AIR TANK DRAINS**

All air reservoirs shall have manual 1/4 turn drain valves. The drain valves shall be supplied with rubber seats to reduce air system leaks. The reservoir drain valves shall allow the accumulation of contaminants that are collected in the reservoirs to be drained off to the atmosphere.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **MERITOR/ROCKWELL/WABCO ABS BRAKE SYSTEM**

A four channel, single rear axle model, MERITOR/ROCKWELL/WABCO ABS Braking System shall be supplied.

A frame mounted electronic control unit (ECU) shall monitor and control wheel speed during braking. Wheel sensors, constantly monitoring wheel speed, send information to the ECU. If a wheel begins to lock the ECU transmits an electrical impulse to modulator valves that can apply, release or hold the air pressure in the brake chambers. The rapid modulation of air pressure prevents wheel lock-up and increases driver control.

This ABS system shall be a 4S/4M system with four (4) wheel speed sensors and four (4) modulator valves.

If a fault occurs in one wheel, that wheel shall have normal (non-ABS) brake function. The other wheels shall continue to provide the ABS function. If the ABS system should fail completely, the brake control shall be returned to normal (non-ABS) braking.

An ABS warning light shall be installed on the driver's dash message center. This warning light shall cycle through a test stage at the point of ignition turn on and remain illuminated until the vehicle reaches approximately four (4) MPH. The light shall illuminate in other conditions to warn of an ABS system failure and shall illuminate when the diagnostic function is activated.

### **MERITOR/WABCO STABILITY ENHANCEMENT SYSTEM**

A Meritor / Wabco Roll Stability Control (RSC) System shall be provided on the apparatus chassis. The RSC shall assist in managing road conditions that may result in a vehicle rollover.

The RSC shall intervene to regulate the vehicle's deceleration functions by automatically reducing engine torque, engage the vehicle retarder and apply pressure to the brakes.

Electronic Stability Control (ESC) shall be included building upon the established RSC system by sensing the tendency of the vehicle to spin around and automatically applying the brakes to reduce that risk.

This system conforms to the requirements of NFPA-1901 4.13.1.2 - If the apparatus is equipped with a stability control system, the system shall have, at a minimum, a steering wheel position sensor, a vehicle yaw sensor, a lateral accelerometer, and individual wheel brake controls.

### **FRONT TIRES**

The front tires shall be 315/80R22.5-20PR (L) GOODYEAR G-291 all weather tread, tubeless radial tires. These tires shall be mounted on 22.5" x 9.00" rims.

### **STANDARD LOAD RATING**

The front axle GAWR using these tires shall be 18,180 lbs. @ 130 psi.

### **REAR TIRES**

The rear tires shall be 12R22.5-16PR (H) GOODYEAR UNISTEEL G182 RSD traction tread, tubeless radial tires. These tires shall be mounted on 22.5" x 8.25" rims.

Single rear axle GAWR using these tires shall be 27,000 lbs. @ 120 psi.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **TIRE SPEED RATING FRONT**

The maximum tire speed rating is 68 MPH.

### **TIRE SPEED RATING REAR**

The maximum tire speed rating is 68 MPH.

### **TIRE PRESSURE MONITORING DEVICE**

Each tire installed on the apparatus shall be equipped with a tire pressure monitoring device. The device shall consist of a valve stem cap with an LED tire alert to indicate tire pressure conditions. The LED will flash when the tire drops 8 psi below the factory setting.

### **FRONT STEEL RIMS**

ACCURIDE, hub piloted, acrylic e-coat, painted steel disc wheels shall be supplied on the front axle.

### **REAR STEEL RIMS**

ACCURIDE, hub piloted, acrylic e-coat painted steel disc wheels shall be supplied on the rear axle.

### **FRONT WHEEL TRIM**

The front axle shall be trimmed with mirror finish, 304L grade, non-corrosive stainless steel 'baby moon' hub caps with an opening for viewing the oil seal cover, and bright finished nut covers.

### **REAR WHEEL TRIM**

The rear axle(s) shall be trimmed with mirror finish, 304L grade non-corrosive stainless steel "Lincoln Hat" hub cover and bright finished nut covers.

### **ENGINE COOLANT RADIATOR**

The engine coolant radiator shall have sufficient capacity to perform under the engine manufacturer installation requirements. The chassis manufacturer shall demonstrate the ability to meet this requirement with the submittal of an approved IQA to the fire department for the apparatus.

The engine coolant radiator shall have a minimum core area of 989 square inches.

This radiator shall have drawn steel top and bottom tanks. These tanks shall have a material thickness of 16 gauge.

The tanks shall be bolted to the radiator header assemblies.

The header plates shall be made of 16 gauge brass.



# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

The radiator tubes shall be constructed of .0068 inch thick brass and have a dimensional size of .076 inch x .625 inch. These radiator tubes shall have welded tube seams.

The radiator shall contain four (4) rows of tubes arranged in an inline profile across the radiator core. The entire radiator shall contain (184) tubes. These tubes shall have a smooth bore to allow for radiator cleaning.

In the critically stressed area, where the radiator tubes are attached to the header plates, this joint shall be accomplished with a welding process on the coolant side. In addition to the welded joint a solder fillet joint shall occur on the air side of the core creating a continuous dual bond.

The radiator shall have a louvered serpentine type core that contains fins constructed of .003 inch thick copper. These fins shall be spaced to a maximum density of 14 fins per inch of radiator tube. Each fin shall have a louvered surface for high cooling efficiency.

The radiator shall contain an integral coolant de-aeration tank. This tank shall be designed to remove entrapped air or gas from the coolant side of the radiator.

The bottom tank of the radiator shall have a drain valve for coolant removal.

The bottom tank of the radiator shall have a transmission cooler with a plate-type design. The plates shall have internal turbulators to break up laminar oil flow across the surface. The cooler shall have 1175 square inches of surface area for water surface contact and heat transfer.

All radiator hoses shall be attached to the cooling system with stainless steel worm drive clamps.

The radiator system shall be pressurized with a cap rated per the cooling system requirements of the specific engine manufacturer.

The high efficiency engine fan shall be encompassed with a radiator shroud to provide the proper air flow from the fan blade to the radiator.

The radiator shall have recirculation baffles to eliminate the possibility of recirculation of "hot" air to the face of the radiator core. The bottom of the radiator shall have a recirculation baffle from the radiator to the frame rails.

### **COOLANT RECOVERY SYSTEM**

A coolant recovery system shall be installed on the chassis. This tank is designed to capture coolant overflow when the engine coolant warms and expands. As the engine cools the overflow is then pulled out of the tank and back into the radiator, thus maintaining proper coolant levels.

### **CHARGE AIR COOLER RADIATOR**

The engine charge-air cooler shall have sufficient capacity to perform under the engine manufacturers installation requirements. The chassis manufacturer shall demonstrate the ability to meet this requirement with the submittal of an approved IQA to the fire department for the apparatus.

This radiator shall have cast aluminum side tanks. These tanks shall have a material thickness of .200. These tanks shall be attached to the charge-air core with the ALBRAZE construction technique.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

The external air fins shall be louvered serpentine and constructed of .006 inch thick aluminum.

The internal air fins shall be of the lance-and-offset design for greater air turbulence and higher efficiency. The internal fins are to be constructed of .010 inch thick aluminum.

The charge-air cooler shall be mounted directly in front of the engine coolant radiator. To reduce vibration rubber "iso" mounts shall be used for mounting of the charge-air cooler to the engine radiator.

The charge-air cooler shall contain thermal expansion slots to allow the expansion and contraction of the charge-air core over the wide range of temperatures that are expected in operation.

The charge air piping between the engine and charge-air cooler shall be aluminum tubing with a wall thickness of .065 inch. The system shall utilize four (4) ply silicone rubber woven Nomex hoses with stainless steel pressure bands. These bands are designed to maintain the hose shape under the pressure of the turbocharger boost air. All clamps used on the charge air piping are to be stainless steel constant torque and shall be installed at each joint.

### **COOLANT**

The coolant system shall contain an ethylene glycol and water mixture to keep the coolant from freezing to a temperature of -34 degrees F.

### **COOLANT HOSES**

The entire chassis cooling system shall have premium rubber hoses. All clamps to be stainless steel worm drive type clamps.

### **COOLANT SYSTEM CLAMPS**

Single wire constant torque clamps shall be used for all cooling system hoses.

### **HEATER LINE SHUT OFF VALVES**

The heater circuit shall have quarter turn shut off valves installed on both the supply and return lines to allow a complete shut off of coolant flow to the cab heaters in hot seasons of the year. These valves shall be installed in addition to the valves in the heater unit(s).

### **RADIATOR SKID PLATE**

To protect the radiator a 1/4 inch thick steel skid plate shall be installed under the radiator.

### **DIESEL ENGINE**

The chassis shall be powered by a Cummins diesel engine as described below:

MODEL:	B6.7-360
NUMBER OF CYLINDERS:	Six
BORE AND STROKE:	4.21 in (107 mm) x 4.88 in (124mm)
DISPLACEMENT:	408 cu. in. (6.7L)
RATED BHP:	360 hp (269kW) @ 2600 RPM
TORQUE:	800 lb-ft (1086 N-m) @ 1800 RPM
COMPRESSION RATIO:	17.3:1

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

GOVERNED RPM: 2800

Standard Equipment on the engine to include the following:

OIL FILTER:	A full flow / by-pass combination
LUBE OIL COOLER:	High efficiency non-drain back full flow cooling
FUEL FILTER:	One fuel filter providing 10 micron absolute filtration
STARTER:	12 volt
AIR COMPRESSOR:	A Wabco 18.7 cfm compressor shall be provided

### **ENGINE OIL**

The engine shall have the initial factory fill made with a non-synthetic engine oil meeting the engine manufacturer's recommendations.

### **ENGINE BRAKE**

An engine Compression Brake shall be supplied.

The Driver's dash shall include the engine brake control switch.

Activation of the engine brake shall occur at zero throttle position. The transmission ECU shall be programmed to operate in the pre-select downshift mode to maximize the retarding power of the engine brake.

The brake lights shall illuminate when the Jacobs Brake is in operation.

The Jacobs Brake shall be inoperative when the chassis is in pump mode.

The engine brake shall be covered under the standard five year Cummins engine warranty.

### **ENGINE FAST (HIGH) IDLE**

The chassis shall be equipped with an Electronic Idle Control (EIC) for the electronic engine. Preset speed is factory adjustable.

The fast idle provision shall only function when the parking brake is set and the transmission is in neutral. Manual selection of the fast idle shall be controlled by a driver's momentary switch.

Automatic activation of the fast idle shall occur when a low voltage condition exists, the truck is in neutral and the parking brakes are applied.

Cancellation of the fast idle shall be achieved by resetting the manual switch or by depressing the service brake pedal.

### **CORROSION INHIBITOR**

Corrosion inhibitor shall be provided as an additive to the chassis cooling system.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **AUXILIARY ENGINE COOLER**

The cooling system shall have one (1) SENDURE auxiliary engine cooler mounted in the upper radiator water pipe. The apparatus shall have the fire pump water circulated to the cooler from a valve located on the apparatus pump panel.

### **SPARK ARRESTOR**

A spark arrestor shall be installed in the chassis air intake system. This arrestor shall be mounted behind the intake grille to filter out airborne embers.

### **FAN DRIVE**

A fan drive system shall be installed on the engine. Control of the fan operation is entirely from the engine and fan ECM with no manual override controls.

### **EXHAUST SYSTEM**

A single exhaust pipe shall be provided for the engine. The exhaust pipe shall be supplied with a heat wrap.

The exhaust tubing from the turbocharger to the exhaust after treatment device shall be stainless steel.

### **CUMMINS AFTERTREATMENT SYSTEM**

The chassis shall be equipped with a Cummins exhaust after treatment system in compliance with MY 18. The system shall be mounted behind the cab in a horizontal switchback configuration.

### **TAILPIPE**

A vertical tailpipe shall be provided on the apparatus. The end of the pipe shall be curved to direct exhaust to the rear.

An exhaust gas diffuser shall be furnished on the end of the tailpipe.

### **DIESEL EXHAUST FLUID SYSTEM**

The chassis shall be equipped with a 5 gallon Shaw Development Diesel Exhaust Fluid (DEF) reservoir system. The reservoir shall contain an Multifunctional Head Unit (MFHU) that contains integrated level and temperature sensors. The MFHU also shall contain a coolant powered heater to thaw DEF in conditions below 12°F (-11°C) to meet governmental regulations. The reservoir shall be located on the left frame rail behind the front axle beneath the cab. The mounting system shall use stainless steel mounting brackets to reduce the possibility of corrosion.

### **TRANSMISSION**

The transmission shall be an Allison 3000EVS automatic transmission with electronic controls.

The transmission shall be equipped with a lock-up control circuit that shall automatically shift the transmission into 4th gear lock-up when the pump is shifted into gear.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **TRANSMISSION COOLER**

An automatic transmission cooler shall be provided as an integral part located in the bottom tank of the radiator. It shall be designed to withstand 165 psi working pressure and an intermittent pressure of 250 psi. The cooler shall be of sufficient size to maintain the operating temperature within the recommended limits of the transmission manufacturer.

### **TRANSMISSION FLUID**

The transmission shall be provided with heavy-duty transmission fluid meeting Allison specification TES-389.

### **FIVE SPEED PROGRAMMING**

The transmission shall be programmed for five speeds.

First - 3.49  
Second - 1.86  
Third - 1.41  
Fourth - 1.00  
Fifth - 0.75  
Reverse - 5.03

The transmission shall be able to shift from first through fifth gear without operator intervention. The chassis shall be geared for the top speed in 5th gear.

### **TRANSMISSION SELECTOR**

The transmission shall be controlled by a push button type shift control. It shall be internally illuminated for night operation.

### **TRANSMISSION OIL LEVEL SENSOR**

The transmission shall be equipped with the oil level sensor (OLS). This sensor shall allow the operator to obtain an indication of the fluid level from the shift selector. The sensor display shall provide the following checks, correct fluid level, low fluid level and high fluid level.

### **AUTOMATIC NEUTRAL**

The transmission shall be provided with circuitry to provide automatic neutral. Setting the parking brake commands the transmission to neutral when the park brake is applied, regardless of drive range requested on the shift selector. Requires re-selecting drive range to shift out of neutral.

After the transmission has been activated with the automatic neutral feature the shift lever must be returned to neutral and back to drive for midship pump operations.

### **REMOTE FLUID LEVEL SENSING**

The chassis shall be equipped with an electronic low fluid level indicator system for the engine oil, transmission oil, engine coolant and power steering fluid as part of the instrumentation package. This system eliminates the need for daily checking of fluid levels with manual dipsticks.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

Coolant over temperature sensors are only capable of sensing excessive coolant temperature caused by clogged radiators, malfunctioning thermostats, failed water pumps or any other “circulation” problem. Upon loss of coolant, however, these temperature sensors must try to respond to hot air which, being a poor thermal conductor, results in signals that arrive only after the engine is severely damaged.

In a like manner, under leaking oil conditions low oil pressure signals are not obtained until the oil pump is starved for oil. Since the oil pump draws liquid from the very bottom of the crankcase pan, these signals arrive only after virtually all oil has been lost. Again, the damage has already occurred.

The liquid level sensor provides an early warning that fluid is being lost and allows corrective action to be taken before damage can occur. By using a sensor to turn on an indicator light, the low fluid level condition is communicated immediately to the operator.

### **ENGINE COOLANT**

The coolant level sensor is located in the upper radiator reservoir. The corresponding LED indicator light is included in the display module.

### **ENGINE OIL**

The engine oil sensor is in the engine oil sump. It monitors the oil level at approximately the 50% level. The corresponding LED indicator light is located to the right of the instrument panel on the doghouse in clear view of the driver.

### **POWER STEERING FLUID**

The power steering fluid sensor is located in the power steering fluid reservoir at the same level as the “Add” indicator on the dip stick. The corresponding LED indicator light is located to the right of the instrument panel on the doghouse in clear view of the driver.

### **FUNCTION**

The LED indicator lights will illuminate when the ignition is placed in the ON position as a test to insure that the warning circuits are working. They will go out when the starter button is pressed if normal fluid levels are detected. One or more of the lights staying on indicates a low fluid level in the corresponding system(s). Any time the engine is ON and a low fluid level is detected, the appropriate light will illuminate. The sensor output will reset when the ignition is turned off.

### **TRANSMISSION OIL**

The transmission oil sensor is in the transmission oil sump. The fluid level indicator is integrated into the shift selector. Accessing the fluid level status is dependent upon the style of shift selector provided.

The transmission fluid level status is accessed through the “mode” function of the shift selector controls. First, park the vehicle on a level surface, shift to N (Neutral), and apply the parking brake. If equipped with a pushbutton shift selector, simultaneously press the Up and Down arrow buttons. If equipped with a lever shift selector, press the display mode button one time. A code will be displayed on the shift controls indicating that the oil level is HI, LO or OK. If the level is HI or LO, the display will also indicate the number of quarts of oil necessary to be added or removed to bring the oil level into the OK range. It may also display an error code that explains why fluid level information is not available. The fluid level check may be delayed until the following conditions are met:

- The fluid temperature is above 60°C (140°F) and below 104°C (220°F).
- The transmission is in N (Neutral).
- The engine is at idle.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

- The transmission output shaft is stopped.
- The vehicle has been stationary for approximately two minutes to allow the fluid to settle.

See the Care and Maintenance section of the transmission Owner's Manual for a more detailed description of the fluid check procedure along with a complete list of error codes.

### **DRIVELINES**

Universal joints and driveshafts shall be SPICER 1710 series or equal. The driveshaft tube shall be a minimum of 4.0" diameter with a .134" tube wall thickness. The driveshaft slip joints shall be coated to reduce sliding friction and thrust under high torque loads. Permanent driveline installations shall be balanced to prevent vibration.

### **FUEL TANK**

The fuel tank shall have a capacity of 50 gallons (US) and be D.O.T. certified. It shall be mounted with stainless steel straps bolted to the bottom frame flange to allow for easy removal. The tank construction shall be of 12 gauge steel with single fuel pickup and return tubes. The baffled tank shall be vented to prevent low vacuum and facilitate rapid filling.

The tank shall have a 2" NPT fill to the driver's side of the chassis.

The fuel tank sending unit is to be mounted to the driver's side of the fuel tank for easy replacement without removing body panels.

### **FUEL/WATER SEPARATOR**

The Cummins engine shall be equipped with an integrated fuel / water separator with a self venting bottom drain valve. This filter shall be able to remove up to 95% of dissolved water and up to 99% of free standing water.

### **FUEL LINES**

Polyamide fiber, nylon braided, reinforced tubing with push-on reusable fittings shall be provided for the chassis fuel lines.

### **FIRETRUCK CREW CAB**

The cab shall be capable of seating up to six (6) firefighters and be of a one-piece tilting, contoured front, fully enclosed design.

The crew cab shall have four (4) side doors and be cab over engine forward style. The cab shall have an "Open Space" design, free of interior walls or obstructions.

### **CAB CONSTRUCTION**

**Cab Material** - The cab shall be constructed of aluminum.

**Roof Panel Rails** - The roof panel assembly shall have hat section supports welded to the roof skin. These roof hat sections shall be joined to the Cab Roof Rail Section to complete the upper cab skeletal structure. These completed Roof Panel Rails shall provide a grid for maximum roof strength. The roof shall support a minimum weight of 250 lb. / sq. ft. without permanent roof deformation.

**Rear Wall Rails** - The rear wall assembly shall have hat section supports welded to the wall skin. These sections shall be joined to provide a rear wall grid structure for maximum strength.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

**Cab Front Wall** - The front wall of the cab shall be designed with a double wall construction to reduce the effects of exterior noise in the crew and operator compartment.

**Engine Enclosure** - The engine doghouse shall be welded into the cab as an integral part of the cab.

### **CAB DIMENSIONS**

The cab shall have the following overall dimensional requirements:

Overall Width 96" minimum

Center of front axle to back of cab 54" maximum

Center of front axle to front of cab 55.5" maximum

Roof Profile - 12" Raised

Windshield area 3366 sq. inches minimum

Front Grille Opening 478 sq. inches minimum  
(Full air flow open area through the grille NOT RAW OPENING)

Cab full tilt angle: 45 degrees minimum

Cab full tilt height: 170.79 inches maximum

Cab interior dimensions shall be provided as a minimum in the following list:

Front Lower Step Size: 8" deep minimum

19" front to back

Rear Lower Step Size: 13" front to back

In order to insure compliance with D.O.T. and NFPA-1901 step dimension limits of 24" maximum to the first step and 18" maximum on intermediate steps heights the following dimensions are required:

Ground to first step:

Driver's step 24" maximum

Officer's step 24" maximum

Crew doors step 24" maximum

Intermediate Step Dimension:

Driver's step 18" maximum

Officer's step 18" maximum



# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

Crew area first step 15"

Crew area second step 8"

### **FRONT CAB DOORS**

The forward cab doors constructed of aluminum shall be 74" high x 36" wide and shall have roll down windows. The front door windows shall have a minimum of 680 square inch area of viewing glass per door. Each window shall have an exterior glass weather seal to prevent the influx of exterior air. The doors shall have exterior and interior paddle latches for ease of opening with a gloved hand. The paddle latches are to have a rubber gasket, on the outside, separating the handle from the finished painted surface. Each door shall be of the flush mounted design having exposed, polished, one-piece, 12 gauge stainless steel piano hinges with 3/8" hinge pins.

### **REAR CAB DOORS**

The rear cab doors shall be of the "NO KNOCK" type and shall be constructed of aluminum similar to the forward doors and shall be located directly behind the front wheel well area. These doors shall be 86" high x 30" wide and shall be a flush type door with exposed, polished, full length 12 gauge stainless steel piano hinges with 3/8" hinge pins. Each door shall have roll down rear windows. The rear doors shall have a minimum of 580 square inches of viewing area per door. Each window shall have an exterior glass weather seal to prevent the influx of exterior air. The doors shall have interior and exterior paddle latches, and shall be mounted in an easy to reach location. Interior latch shall not be blocked by the seat occupant. The paddle latches are to have a rubber gasket, on the outside, separating the handle from the finished painted surface.

### **INTERIOR DOOR LOCKS**

All doors shall have interior door locks and exterior keyed door lock controls. The door locks and the finished door assemblies shall be in conformance with FMVSS 206, with specific adherence to 49 CFR 571.206 Section 4.1.3 requiring that "Each door shall be equipped with a locking mechanism with an operating means in the interior of the vehicle". All doors shall be keyed alike. The doors shall be equipped with appropriate safety interlocks to prevent accidental locking of the doors when closed.

### **CAB GLASS**

AS-1 safety laminate glass shall be used in a two piece, wrap around design with a minimum 3000 square inches of windshield area for maximum visibility.

The windshield shall be a type which is readily available from a nationally recognized automotive glass manufacturer that maintains local distribution outlets.

All glass shall be tinted.

All fixed glass shall be installed with a one-piece triple locked rubber lacing material. Due to long term appearance two-piece chrome trim lock lacing is not desired.

### **SUNVISORS**

Two (2) 17-1/2" by 9" black padded sun visors shall be supplied, one on each side of the windshield. Vertical adjustment shall be a minimum of 15" to allow maximum coverage.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **WINDSHIELD WIPERS**

Two speed electric pantograph wipers shall be installed. These wipers shall have minimum 24" blades and have 28 1/2" wet arm electric pump washers. A 70 oz. minimum windshield washer reservoir shall be furnished.

### **EXTERIOR FASTENERS**

All cab exterior fasteners shall be stainless steel type fastened to the cab with nutserts.

### **CAB CORROSION TREATMENT**

The cab shall have a corrosion preventative material conforming with Mil Spec C-16173-C, Grade 1, applied during and after construction. A 5 year warranty against perforation due to rust or corrosion shall be furnished for the cab.

### **ENGINE DOGHOUSE**

The engine doghouse inside the cab will be padded with a layer of sound and heat absorbing foam and covered with heavy duty vinyl trim upholstery to match or accent the interior of the cab.

The underside of the engine enclosure shall be covered with a sandwiched material for interior cab noise and heat rejection. This sandwiched acoustical material shall have one layer of 1/8" foam, a 3/16" single barrier septum and a 7/8" layer of foam to provide an overall thickness of 1-3/16". The sandwich material shall be chemically bonded to prevent layer separation. A finished surface treatment of metalized film shall be provided on the engine side of the barrier. The acoustical barrier shall be held in place with mechanical fasteners in addition to adhesive.

The insulation for protection from heat and sound shall keep the dBa level within the limits stated in the current edition of NFPA 1901.

### **CAB DOORS - INTERIOR TRIM**

To provided durability the interior of the cab doors shall be finished with full length aluminum panel that is finished with Zolatone high abuse paint.

### **INTERIOR CEILING PADDING AND TRIM**

The cab front interior ceiling shall have a one-piece, removable, vinyl headliner to cover all wiring and tubing used for lights and antenna leads.

### **REAR WALL COVERING**

The rear interior wall of the cab shall have a two-piece, removable, wall covering to finish the interior trim, cover all wiring and tubing used for lights and antenna leads.

### **FLOOR COVERING**

The front and rear floor areas of the cab shall be covered with "HUSHCLOTH" sound barrier floormats. This floormat shall be a three ply material with a 3/16" thick open cell isolation barrier of Polyurethane, a 3/32" thick closed cell Nitrile mid barrier for section reinforcement, and a 1/16" thick embedded pebbled grain wear surface.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **REAR FACING SEAT BOX COVERING**

The rear facing seat box area of the cab shall be covered with "HUSHCLOTH" sound barrier floormat. This floormat shall be a three ply material with a 3/16" thick open cell isolation barrier of Polyurethane, a 3/32" thick closed cell Nitrile mid barrier for section reinforcement, and a 1/16" thick embedded pebbled grain wear surface. The seat box covering shall blend with the cab interior paint color.

### **DASH AREA RUGGED TRIM**

The cab front Driver and officer consoles shall be an aluminum housing finished with Zolotone paint to match the interior cab paint color.

### **CHEVRON - INTERIOR CAB DOOR**

A six (6) inch tall yellow-green and red diamond grade chevron stripe shall be affixed to the bottom of each cab door panel.

### **INTERIOR CAB STEP TRIM**

The cab steps shall be completely enclosed behind each door. The top surface of the steps shall be covered with non-skid aluminum treadplate trim.

### **STEERING WHEEL AND COLUMN**

The steering column shall be a DOUGLAS tilt / telescopic type with an integral high beam / turn signal control switch. The column shall have self-canceling design for the turn signal switch. A 4-way warning "Hazard" light switch shall be mounted on the column. For safety, a rubber boot shall be installed to cover the steering shaft from the dash to the floor.

The steering wheel shall be a VIP, 18-inch diameter wood accent-leather wrapped 4-spoke wheel. A lever on the left side of the steering column shall control the telescopic feature.

### **GRAB HANDLES**

One (1) additional molded grab handle shall be installed inside the cab. The handle shall be located on the officer's side on the A Post.

### **EXTERIOR GRAB HANDLES**

The cab shall have a bright anodized extruded aluminum 24" grab handles at each door position. The aluminum shall be bright anodized for long service. Molded rubber gaskets shall be installed under the grab handles to protect the painted surface of the cab.

### **"1871 SERIES STYLE" FRONT GRILLE**

A stainless steel square, three dimensional bright polished stainless steel front grille shall be installed on the front cab face. The front grille shall have a radiator rock guard to assist in preventing damage to the radiator core.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **CAB GROUND LIGHTING - LED**

There shall be one (1) white LED strip light in an armored extrusion shall be mounted beneath each cab door. These lights shall be designed to provide illumination on areas under the driver and crew riding area exits. All cab ground lights shall automatically activate when any cab door is opened.

### **AIR HORNS**

Dual stutter tone air horns shall be recessed into the front bumper, one each side.

### **AIR HORN IGNITION CONTROL**

To eliminate inadvertent operation the chassis air horns shall be operable only when the battery selector and ignition switch are in the "ON" position.

### **AIR HORN CONTROL SWITCH**

The chassis air horns shall be controlled by a lanyard with a 'Y-chain'. The lanyard chain shall be mounted to the center of the overhead console within reach of both the driver and officer and shall terminate at the cab center.

### **AIR HORN OPERATION**

The air horn and the electric horn shall be sounded simultaneously by depressing the horn button in the steering wheel.

### **ELECTRONIC SIREN**

A Federal Signal 100 watt electronic siren control with microphone, model #PA300, shall be provided.

### **Q2B MECHANICAL SIREN**

A FEDERAL Q2B mechanical siren shall be mounted on top of the gravel shield on the left (driver's) side.

### **MASTER WARNING LIGHT CONTROL**

To eliminate inadvertent operation the mechanical siren shall be operable only when the Master Warning Light switch is in the "ON" position and the parking brake is released.

A momentary rocker switch shall be provided in the driver's switch panel for operation of the siren brake. This switch shall be backlit with the legend "SIREN BRAKE".

### **SIREN CONTROL SWITCH**

One (1) foot switch for the siren shall be provided on left side of the driver's cab floor.

The siren control shall be mounted on top of the engine doghouse within reach of the driver and officer.

### **SIREN SPEAKERS**

There shall be two (2) Cast Products polished aluminum 100 watt speakers provided. The speakers shall be recessed into the front bumper, one each side, immediately outboard of the chassis frame rails.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **MIRRORS, HEATED REMOTE**

The cab mirrors shall be Mekra Lang 400 Series Aero mirrors with a break-away bracket. The flat glass head shall be heated and remote control. Below the flat mirror there shall be a convex head. The mirror heads shall have a smooth chrome plated high impact non-metallic housing.

### **WINDOW TINTING**

The crew door windows shall have GRAYLITE II tint (9% visible) to provide privacy and to assist in reducing the amount of heating inside the cab due to direct sunlight and unwanted glare.

### **COMPARTMENT OPEN LIGHT**

A Red Open Compartment Flashing Light, Whelen OS Series LED shall be mounted on the driver's side face of the overhead panel. A chrome flange is to be supplied with the light.

This light is wired with a flasher to the power panel for completion to circuit on the body.

The light circuit shall be wired so that the light circuit is deactivated when the parking brakes of the apparatus are applied.

A label shall be applied adjacent to the light '**DOOR OPEN**'.

### **OPEN COMPARTMENT AUDIBLE ALARM**

An audible alarm shall be wired into the compartment open light circuit.

### **CAB FLOOR LED STEP LIGHTING**

The floor of the cab shall be trimmed with a ribbed aluminum extrusion. The extrusion shall protrude as a approximately 3/4" over the floor area to provide a mounting channel and guard for an LED integrated light. The LED lighting shall illuminate the step area of the cab and all step lights shall be illuminated when any door is opened and the battery selector switch is in the on position. The lighting shall be operable in either white or red depending upon control circuitry.

### **DRIVER & OFFICER AREA LED CAB LIGHTING**

There shall be a white LED strip lighting mounted above the full length of each front door in the cab. The strip light shall be mounted in an aluminum extrusion and shall face the center of the cab. The lighting shall be operable in either white or red depending upon control circuitry.

### **CREW AREA WHITE LED CAB LIGHTING**

There shall be a white LED strip lighting mounted above the full length of each cab crew door in the cab. The strip light shall be mounted in an aluminum extrusion and shall face the center of the cab. The lighting shall be operable in either white or red depending upon control circuitry.

All interior cab lighting controlled by the door opening switch circuit shall be color selected by a switch in the driver's area. The selected color shall stay 'in-state' until the selector switch is changed by the driver. Resetting the battery selector switch shall not change the state of color selected.

The lighting shall be operated opening a cab door.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

The red LED lighting over the crew area doors shall be operated by a toggle switch mounted on the forward post of the crew area door on each side of the cab.

### **UNDER CAB ENGINE MAINTENANCE LIGHTS**

Two (2) LED engine maintenance lights shall be supplied beneath the cab. These lights shall illuminate automatically when the cab is tilted to the full tilt position.

### **STAINLESS CAB FENDERETTES**

To reduce road splash on the cab sides, polished stainless steel fenderettes shall be installed around each the wheel opening.

### **EXTERIOR REAR WALL DIAMOND PLATE OVERLAY**

The cab exterior rear wall shall be covered with a single sheet of bright aluminum tread plate to protect the back of the cab from scratches.

### **CAB TILT SYSTEM**

The cab shall tilt a minimum of 45 degrees for ease of serving. Tilting shall be accomplished by means of a tilt pump connected to two (2) heavy duty lift cylinders. It shall be equipped with a positive locking mechanism (service lock) to hold the cab in the full tilt position. Release of the service lock shall be by means of a pull type cable assembly. The cylinders shall have a velocity fuse at the base to prevent the cab from falling in the event of a hydraulic hose failure. The cab shall be capable of tilting 90 degrees for major engine service, if necessary. The 90 degree cab tilt shall be accomplished by removing the cab cylinder pins, removing one bolt in the steering shaft, and removing the front bumper and treadplate.

The cab shall have a three (3) point cab locking system. To prevent undue stresses in the cab, the cab mounting shall incorporate a five (5) point load mounting system.

The front cab pivot/lock assemblies shall utilize four (4) radially loaded, bonded rubber, axial mounts. These mounts shall have a maximum radial load rating of 925 pounds each and a torsional rating of 25 lbs-in/deg. Two one (1) inch diameter cab pivot pins shall be installed at the front of the cab.

The rear cab lock shall be center point mounted to prevent normal twist of the chassis from affecting the cab mounting, cab structure and windshield areas of the cab. This rear cab lock shall be mounted on a chassis crossmember to provide a stable platform for the locking system. The cab lock shall be mounted to a baseplate that is fastened to rubber isolators to reduce road noise and provide additional movement of the cab lock. This locking system shall automatically open prior to the cab tilting and automatically relatch when the cab is lowered completely into the travel position.

Two (2) outboard frame mounted urethane "V" blocks shall be provided at the rear of the cab. These dual purpose mounts shall align the cab upon lowering as well as provide non-latching support for the cab in the down position. With this system, extreme chassis twist shall allow the cab to move independently of the rear cab supports, reducing the structural stress damage often caused by outboard dual cab locking systems.

An electric-over-hydraulic cab tilt pump shall be supplied. This pump shall have a remote control for cab tilting operation. The control shall be "safety-yellow" in color.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **CAB TILT INTERLOCK**

The cab lift system shall have a cab tilt interlock. The cab tilt shall not be able to be activated unless the master battery switch is in the on position with the parking brake set.

### **CHASSIS PAINT**

The frame and running gear shall be painted gloss black enamel. The running gear shall consist of the axles, drivelines, air tanks, steering gear, frame mounted brackets, draglink(s), and fuel tank.

The air system piping and electrical harnesses shall not be installed in the frame at the time of the frame painting. This shall insure complete coverage of paint behind those areas, as well as to ensure that the air piping and wiring harnesses do not have paint applied to them, hindering troubleshooting.

### **RIM FINISH**

The wheels shall be painted one (1) color, on both sides, other than the standard wheel manufacturer's finish of gray.

The wheel color shall match the upper color of the exterior of the cab.

### **RIM FINISH**

The wheels shall be painted one (1) color, on both sides, other than the standard wheel manufacturer's finish of gray.

The wheel color shall match the upper color of the exterior of the cab.

### **INTERIOR FINISH**

The entire interior of the cab shall be painted with spatter paint, gray in color. Gray spatter paint is selected for ease of repairs when the interior is scratched.

The cab metal finish shall be covered with one coat of base self-etching primer to fill the small surface imperfections.

Then the interior of the cab is to be blocked and a coat of sealer-primer is to be sprayed to the interior finish.

Next a sealer primer is applied and shall be sanded to a smooth finish ready for final color coat application.

Two (2) coats of finished paint are to be applied to a final thickness of 4 mills.

The following interior components shall be finished in black:

- Overhead console
- Sun visors

The interior headliner of the cab shall be gray in color.

The interior rear wall covering of the cab shall be gray in color.

The interior flooring material of the cab shall be black in color.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

The interior door panel material of the cab shall be gray in color.

The doghouse covering material in the cab shall be gray in color.

The dash housing, doghouse console; when so equipped; and the officer's glove box or console shall be gray in color.

### **CAB EXTERIOR FINISH**

The exterior doors and all fixed cab glass are to be removed from the cab prior to the paint and body process beginning.

The two tone, final finish of the cab shall be to fire apparatus standards; exhibiting excellent gloss durability and color retention properties.

### **PREPARATION**

The removal of all contaminants and oxidation is essential to the final effect of a finish system, the cab shall be precleaned with a Wax and Grease Remover and prior to evaporation, towel dried.

To remove all oxidation and foreign materials, the cab shall be sanded with a 180 grit abrasive using an orbital type disc sander.

All weld marks and other major surface imperfections shall be filled with a polyester type body filler, prior to body filler application special attention shall be given to the areas requiring filler again sanding and cleaning.

The body fillers shall be thoroughly mixed in accordance with the manufacturer's directions.

After the final coat of filler is sanded a spray polyester shall be applied in sufficient amounts as to provide a final base and sanded with an abrasive paper.

### **PRECLEAN**

Within 45 minutes of pretreat the cab must be again washed with a Wax and Grease Remover using a "Scotch brite pad". Towel dry prior to evaporation.

Special precaution shall be taken NOT to saturate any polyester body fillers with the cleaning solvents.

### **PRETREAT AND PRIMERS**

The pretreat and primer applications shall be made in two independent steps. A combined pretreat/primer one product application shall not be allowed as a substitute.

The prepared substrate shall be pretreated with an acid curing 2-component Transparent Primer. This pretreat shall be designed to provide corrosion protection and to create an adhesive bond between the substrate and the surface applications.

It is critical that the body fillers not receive a saturation of solvents associated with the pretreat application. Only the pretreat over spray resulting from product application to the adjacent metal areas should be allowed to come in contact with the body fillers.



# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

All polyester body fillers are porous, and shall absorb liquids. Solvents when absorbed not only soften but shall create swelling of the polyester filler. After sanding and later shrink the fillers shall create blemishes in the painted surfaces.

Prior to complete primer application, each area with applied body fillers be precoat with a 2-dry applications of primer (sander surfacer) of which shall be allowed to "Touch Dry" between coats. This procedure shall isolate the filled areas and protect them from subsequent product applications.

The primer (sander surfacer) shall be a poly-acrylic resin, zinc and chromate free surfacer that is designed to create a superb surface smoothness, increase the depth of color, and insure top coat gloss.

The cab after pretreat and precoat shall be primed with a 3 to 4 medium applications of a Hi-Build Tintable Surfacer.

To create a finish base that meets the rigid requirements of the fire and emergency service; the primed surface shall be dry sanded smooth thus removing all texture and surface imperfections with a 320 grit (minimum) sanding abrasive.

### **FINISH AND COLOR COATS**

The color coat application shall consist of two to three applications of acrylic urethane color coat. After the color coat has been applied, the cabs shall be sprayed with 1.5 to 2.0 mills of clear coat finish. The clear coat finish is then sanded and buffed to remove any imperfections that can occur during the application of the color coat.

The final finish shall be free of dirt and sags and shall meet a minimum grade of 7 when compared to the "ACT" general orange peel standards by "ACT" Laboratories, Inc. Of Hillsdale, MI.

The final sanding and buffing of the clear coat shall result in a flat / glass like finish. The clear coat shall also provide a UV barrier to prevent fading and chalking.

PPG brand urethane materials will be used for the cab exterior paint.

### **SIMULATED GOLD STRIPE**

A 1/2" wide simulated gold stripe in small engine turn with a black shading shall be added to the cab, two tone paint scheme. This stripe shall be applied at the break line.

### **DRIVER'S SEATING POSITION**

The seat shall be H.O. Bostrom, Sierra 500 non-suspension, high back seat with 5" fore and aft slide adjustment. The seat shall contain a seat mounted 3-point seat belt with a shoulder belt adjustment of 4.7 inches.

### **OFFICER'S SEATING POSITION**

The seat shall be H.O. Bostrom, Sierra 500 non-suspension, high back seat with 5" fore and aft slide adjustment. The seat shall contain a seat mounted 3-point seat belt with a shoulder belt adjustment of 4.7 inches.

### **CREW AREA - REAR FACING LEFT OUTBOARD SEAT POSITION**

The seat shall be H.O. Bostrom, Sierra 500 non-suspension, high back seat with 5" fore and aft slide adjustment. The seat shall contain a seat mounted 3-point seat belt with a shoulder belt adjustment of 4.7 inches.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **CREW AREA - REAR FACING RIGHT OUTBOARD SEAT POSITION**

The seat shall be H.O. Bostrom, Sierra 500 non-suspension, high back seat with 5" fore and aft slide adjustment. The seat shall contain a seat mounted 3-point seat belt with a shoulder belt adjustment of 4.7 inches.

### **CLEAN CAB SEATS TO BE ADDED HERE**

### **SEAT COVERING MATERIAL**

The seats shall be covered in grey black Durawear™, a high strength-wear resistant, waterproof fabric.

### **SEAT BELT WARNING LABELS**

The cab shall be equipped with two (2) seat belt warning labels. These labels are to be in full view of the occupants in the seated position.

### **VEHICLE DATA RECORDER**

Apparatus shall be equipped with a Class1 "Vehicle Data Recorder and Seat Belt Warning System" (VDR/SBW) that is connected to the power train CAN (Controller Area Network) bus consisting of transmission (TCM), engine control (ECM) and antilock brake (ABS) modules mounted on the apparatus. The VDR/SBW will function per NFPA 1901-2009 sections 4.11 (Vehicle Data Recorder) utilizing the power train's J1939 data and 14.1.3.10 (Seat Belt Warning) using the Class1 "Seat Belt Input Module" for seat occupied and belt status information.

The VDR data shall be downloadable by USB cable to a computer using either Microsoft™ or Apple™ Operating Systems using Class 1/ O.E.M. supplied reporting software.

### **SEAT BELT WARNING SYSTEM**

There shall be a seat belt indicator system supplied in the cab. The indicator system shall indicate seat belt use for each individual seating position when the seat is occupied, the seat belt remains unfastened and the parking brake is released.

A display panel shall be supplied in the dash area. The panel shall have an audible indicators and a red light display to indicate that a seat belt has not been fastened.

### **SEAT BELT WARNING SYSTEM - MONITOR**

Mounted in the overhead console in the driver's area the indicator system shall indicate seat belt use for each individual seating position when the seat is occupied, the seat belt remains unfastened and the parking brake is released.

### **HEATER / DEFROSTER**

A 57,600 BTU heater with a three speed fan shall be mounted in the front of the cab, centered over the windshield. This heater shall have six (6) adjustable vents to assure windshield defogging.

### **45,000 BTU AIR CONDITIONING**

A climate control system shall be furnished in the cab. The system shall consist of a 45,000 BTU air conditioning evaporator centrally located on the rear of the engine doghouse.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

The system is to have a 12.6 cu. in. minimum compressor mounted on the engine to provide the compressed refrigerant to the system. The compressor is to be plumbed to a heavy duty truck, triple fan air conditioning condenser mounted on the cab roof. The condensing unit shall have an aerodynamic shroud that is painted to match the color of the cab roof. There shall be an extended life filter receiver/dryer with a pressure relief valve installed to protect the system from contaminants, moisture, and high pressure. It is to have a sight glass for visual inspection and ease of service.

The evaporator shall have an externally equalized expansion valve and be thermostatically protected to prevent freeze up. Dual high performance 3-speed blowers shall provide a minimum of 700 CFM air flow. Each blower is to be controlled separately. Four (4) forward facing and three (3) rear facing full adjustable diffusers with shutoff capability shall be utilized to direct the air flow through the cab.

The air conditioning on/off switch, thermostat control, and blower switches shall be located on the evaporator unit.

The air conditioning system shall use R134A freon.

### **36,000 BTU SUPPLEMENTAL HEATER**

A 36,000 BTU auxiliary heater shall be furnished inside the conditioning evaporator unit to provide additional cab heating during cooler weather. The heater core is to be plumbed to the water lines of the engine cooling system.

### **CAB INSULATION**

Foam rubber type insulation shall be installed in the rear wall and the cab ceiling to provide a better sound and heat barrier. The insulation shall be a minimum of 1" thick. The material shall be compliant with FMVSS-302.

### **DRIVER INSTRUMENTATION AND CONTROLS**

The gauges shall have red LED back lighting for enhanced visibility. Upon on initial ignition sequence a lamp check function shall illuminate the warning light telltales, the self diagnostic message center shall sequence the warning light telltales if data link communications are lost. The instrument panel shall include the following gauges and indicators.

- Electronic speedometer with LCD odometer
- Tri cluster gauge that includes:
  - Electronic tachometer
  - Engine coolant temperature gauge, with warning light and buzzer
  - Engine oil pressure gauge, with warning light and buzzer
- Transmission fluid temperature gauge, with warning light and buzzer
- Two air pressure gauges, with warning light and buzzer
- Voltmeter, with low voltage warning light and buzzer
- Fuel level gauge

- High beam indicator light
- Parking brake set light
- Turn signal indicator lights

The lighting control panel is to be located to the left side of the instrument panel. The lighting control panel shall include the following:

- Headlight control switch
- Dash rheostat for instrumentation lighting control

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

Wiper and washer control switches

The engine control panel is to be located beneath the instrument panel on the driver's right hand side. The engine control panel shall include the following:

Keyless ignition switch with a green pilot light

The apparatus control panel is located beneath the instrument panel on the driver's left hand side. The apparatus control panel is designed for the location of pump shift controls.

### **AUDIBLE TURN SIGNAL REMINDER**

There shall be an audible alarm that shall sound when the turn signal remains flashing for a distance greater than one mile. The reminder shall not sound when the hazard lights are operating.

### **AUDIBLE LIGHTS ON REMINDER**

There shall be an audible alarm that shall sound when the headlight switch is left in the on position and the ignition is off. The alarm shall self cancel after 2 minutes of operation.

### **AUDIBLE PARKING BRAKE REMINDER**

There shall be an audible alarm that shall sound when the parking brakes are NOT set and the ignition is turned off. This alarm shall self cancel after 2 minutes.

The Parking Brake reminder shall sound an audible alarm when the parking brakes are set and an indicated speed of over two miles per hour occurs.

### **DUAL TRIP ODMETERS**

There shall be two (2) trip odometers in the driver's information center. Each shall be capable of independent operation and reset. They shall be labeled Trip1 and Trip2 when the trip mileage is shown in the LCD panel.

### **SPEEDOMETER ACTIVATED IN PUMP MODE**

The speedometer and odometer shall be activated while in pumping mode.

### **LOW FUEL LIGHT**

A "Low Fuel" warning light and alarm shall be installed in the dash message center. This light shall illuminate when the apparatus fuel level reaches 25% of the fuel remaining.

### **TRANSMISSION OVERHEAT WARNING LIGHT**

A transmission oil temperature light with alarm shall be provided on the dash message center.

### **LOW VOLTAGE WARNING**

A low voltage indicator light shall be installed on the dash message center. An alarm and the dash indicator light shall activate when the system voltage drops below 11.8 volts.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **AIR CLEANER RESTRICTION INDICATOR**

An air cleaner restriction indicator shall be installed in the driver's message center. The indicator shall provide visual warning when a high air restriction condition exists for a minimum of 4 seconds.

### **LOW COOLANT WARNING**

Low coolant warning shall be accomplished through the engine electronics to provide driver warning via the engine stop warning light.

### **INTERMITTENT WIPER CONTROL**

A rotary combination intermittent electric wiper / washer switch shall be provided on the left hand side of the driver's dash.

### **PARKING BRAKE CONTROL VALVE**

The parking brake control valve shall be located in the driver's dash engine control panel.

### **DRIVERS SIDE OVERHEAD SWITCH PANEL**

The apparatus warning light panel shall be mounted above the driver in the overhead console.

The switch panel shall be a Class 1 Smart Programmable Switch (SPS) panel installed as a multiplexed node to provide input and output information to the apparatus electrical system. The panel shall have ergonomic rubber molded rocker type switches with backlighting.

The panel shall include one (1) function as a master control switch to allow for preselection of response mode functions. The remaining switches shall be programmed and labeled with the manufacturer standards as to the custom options selected for the vehicle.

### **CUP HOLDER**

There shall be a cup holder mounted on top of the doghouse console. The black powder coated console shall include two (2) large cup holders and a Kussmaul 091-219 dual port USB charger.

### **BACKUP CAMERA**

There shall be an ASA Audiovox video system provided on the apparatus.

The color monitor shall be manufactured by ASA. The 7 inch color LCD monitor contains a water proof housing, circuit protection, backlit controls, integrated audio speaker, NTSC and PAL video signal compatible, 3-camera inputs, manual (pushbutton) or automatic (trigger) source selection, auto power on (standby) day / night brightness modes, on screen display (OSD) for AV source, picture adjustment and volume level, non-volatile memory for picture and volume adjustment settings, anti-glare / anti-scratch protective lens, detachable sunshield.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **REAR CAMERA - COLOR - HIGH PERFORMANCE**

There shall be supplied a color, heavy duty high resolution observation camera.

The monitor for the back-up camera shall be mounted on cab ceiling, on a flip down bracket, within view of the driver to aide in backing up the apparatus.

The back up camera system shall be powered with the ignition power in the cab. Operation of the camera will be by the driver with the monitor controls.

The back up camera shall be mounted at the rear of the apparatus beneath the hosebed.

### **12VDC POWER CIRCUIT**

A circuit protected 30 amp battery "hot" circuit, a circuit protected 30 amp battery switched circuit, and a ground circuit with the proper wire size to handle the current shall be provided. These circuits are provided for two-way radio and/or accessory wiring.

The radio / accessory power circuit shall terminate in the center of the cab on top of the engine doghouse.

### **RADIO ANTENNA MOUNT WIRING**

One (1) NMO mount shall be roof mounted, on the officer's side of the cab.

The antenna mount shall be located 34 inches from the front face of the cab and 18 inches from the cab side.

The unterminated coax is to be routed in the cab to the radio power circuit termination or officer's seat box if no radio power circuit is requested.

The antenna wiring shall terminate in the center of the cab on top of the engine doghouse.

### **FRONT BUMPER**

A 10" high heavy-duty 10 gauge, polished stainless steel, wraparound, 2-rib front bumper shall be provided the full width of the cab.

### **ALTERNATOR**

A DELCO model 40SI, 300 amp alternator shall be installed on the engine. This alternator is brushless, internally rectified and regulated.

### **EMI/RFI PROTECTION**

The apparatus shall incorporate the latest designs in the electrical system with state of the art components to insure that radiated and conducted electromagnetic interference (EMI) and radio frequency interference (RFI) emissions are suppressed at the source.

The apparatus proposed shall have the ability to operate in the environment typically found in fire ground operations with no adverse effects from EMI/RFI.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

EMI/RFI susceptibility is controlled by utilizing components that are fully protected and wiring that utilizes shielding and loop back grounds where required. The apparatus shall be bonded through wire braided ground straps. Relays and solenoids that are suspect to generating spurious electromagnetic radiation are diode protected to prevent transient voltage spikes.

In order to fully prevent the radio frequency interference, the purchaser shall be requested to provide a listing of the type, power output, and frequencies of all radio and bio medical equipment that is proposed to be used on the apparatus.

### **MULTIPLEXED ELECTRICAL SYSTEM**

The apparatus shall be equipped with a Class 1 ES-Key Management System for complete control of the electrical system devices. This management system shall be capable of performing load management functions, system monitoring and reporting, and be fully programmable for control of the electrical system.

The ES-Key system shall utilize a Controller Area Network (CAN) to provide multiplexed control signals for "real time" operation. The system shall consist of the following components:

- *Universal System Manager (USM)* - The USM device shall be the CAN network controller and provide various functions to the apparatus such as load management. The USM shall be programmed from a network interface to a PC computer.
- *Power Distribution Module(s) (PDM)* - The PDM shall be a control device on the network with a primary function as power distribution. Receiving control signals from the USM the PDM turns on and off relays providing power to its connected loads. The PDM also shall contain digital switch inputs allowing for input clustering throughout the apparatus.
- *Information Display Module* - For displaying text, warnings and diagnostics. The information Display Module shall allow the fire department to access and change load management shedding priority and maintenance text listing the routine maintenance items and lubrication capacities on the apparatus.
- *Input / Output Module* - The module shall have 16 inputs to communicate with the USM and 3 outputs for various chassis functions.

The ES-Key system shall provide diagnostic capabilities for troubleshooting the electrical system of the apparatus.

### **CHASSIS COLOR CODED WIRING**

All chassis wiring shall be type "GXL" in accordance with S.A.E. J1128 and NFPA-1901. ALL wiring shall be **COLOR CODED** and continuously marked with the circuit number and function.

All wiring to be covered in nylon heat resistant "HTZL" loom rated at a minimum of 300 degrees F exceeding the heat requirements of NFPA-1901.

A battery "loop back" ground circuit shall be supplied for the EDS system to reduce the possible effects of Electromagnetic and Radio Frequency Interference.

The chassis cab, engine and transmission shall be electrically bonded to the chassis frame rails with braided ground straps.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **ELECTRICAL SYSTEM CONNECTORS**

All multiple conductor electrical connections shall be made with Packard electrical connectors. The Packard connectors shall become mechanically locked when mated.

All single wire terminations requiring special connectors with a ring or spade terminal shall be crimped, and wrapped with heat shrink tubing.

### **INFORMATION DISPLAY MODULE**

The Information Display Module for displaying text, warnings and diagnostics. The information Display Module shall allow the fire department to access and change load management shedding priority and maintenance text listing the routine maintenance items and lubrication capacities on the apparatus. For displaying text, warnings and diagnostics. The information Display Module shall allow the fire department to access and change load management shedding priority and maintenance text listing the routine maintenance items and lubrication capacities on the apparatus.

### **BATTERY BOX TRAY - STAINLESS STEEL**

The battery box trays shall be stainless steel to reduce the corrosive potential of the tray. The battery hold down and brackets and hardware shall also be made of stainless steel.

### **BATTERY BANK**

A single battery system shall be provided, utilizing three (3) high cycle type Group 31 batteries.

This system shall be capable of engine start after sustaining a continuous 150 amp load for 10 minutes with the engine off (NFPA-1901).

A battery disconnect switch (Rated at not less than 450 amps continuous) shall be used to activate the system and provide power to the power panel. A green pilot light shall illuminate to indicate that the 1 battery bank is activated.

### **BATTERY CABLES**

All battery wiring shall be "GXL" battery cable capable of handling 125% of the actual load. It shall be run through a heat resistant flexible nylon "HTZL" loom rated at a minimum of 300 degrees Fahrenheit. All cable connections shall be machine crimped and soldered.

### **STARTING CIRCUIT**

One (1) engine start button is to be located on the lower right dash panel. It shall be wired to heavy duty solenoid rated at not less than 1100 amps. The battery indicator light is to be located directly above the start button to indicate that the battery bank is on.

### **BATTERY POWER BUS BARS**

There shall be solid copper buss bars utilized for the direct connections between batteries. These buss bars shall be nickel plated for corrosion resistance and provided with color coded heavy shrink tube between the batteries for short circuit protection.



# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **BATTERY CHARGER**

A PRO MARINER / ON BOARD SOLUTIONS advanced electronic 4-step battery charger/power supply with a 40 amp output shall be installed, behind the driver's seat, under the rear facing SCBA if so equipped.

Since shoreline power is not always stable the charger shall be equipped with Auto-Ranging AC Input to automatically accept global voltages of 90 VAC to 270 VAC at 45-440 Hz.

Field Selectable - Use with lead/acid or gel batteries (AGM factory option). Select length of absorption charge cycle based on size of batteries.

In the 4-step charging system the charger will provide the following sequence.

Step 1: Fast Charge - Charger will deliver its maximum amperage rating to the connected batteries for the fastest charge (current regulation mode) until battery voltage is raised to 14.6V (lead acid factory setting). At this time, the ProTech will shift to step 2.

Step 2: Absorption Charge - Maximizes charge and holds voltage (voltage regulation mode) at 14.6V (lead acid factory setting) for 1 to 4 hours (selectable based on battery size), while letting the batteries determine the amount of amps they can accept. This mode creates activity in the batteries, reducing sulfate buildup, and conditions the batteries for an extended life. After the programmed 1 to 4 hours have elapsed, the ProTech will shift to step 3.

Step 3: Float Mode - A precision 13.3V (lead acid factory setting) finishing voltage that maintains each battery (step-down voltage regulation mode), which is perfect for short or long storage periods and will never overcharge your batteries. ProTech will deliver its full rated output for house loads including: lighting, electronics and pumps.

Step 4: Recycle - If there are very large loads on the battery while the charger is on, the unit will recycle to the first step, ensuring that batteries stay fully charged.

One-Year Warranty - Includes lifetime repair guarantee.

Certified to - UL Marine 1236/SA

### **REMOTE CHARGE INDICATOR PANEL**

A KUSSMAUL 91-94-12 charge indicator shall be supplied.

The remote charge indicator shall be located on the driver's seat box adjacent to the master battery switch.

### **SHORELINE AUTO-EJECT**

A KUSSMAUL Super Auto Eject, model 091-55-20-120, with weatherproof cover shall be provided.

The Super Auto Eject is to be completely sealed to prevent internal contamination of the working components.

The internal switch arrangement of the Super Auto Eject shall be designed to close and open the 120-volt AC circuit after the mating connector is inserted and before the connector is removed. This design shall prevent arcing at the connector contacts to provide long life.

The electrical connection shall be provided as a 120-volt AC - 20 amp type using a NEMA 5-20P connector.

The Auto-Eject cover shall be yellow in color.

The Auto-Eject cover shall be a Kussmaul 091-55

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

The Auto Eject assembly shall be mounted on the exterior of the cab behind the driver's door.

### **ONBOARD ELECTRONIC OPERATION AND MAINTENANCE MANUAL**

There shall be a USB port in the vehicle cab to provide in cab access to electronic copies of the Vehicle Operation and Maintenance Manuals. The following information shall be accessible through the in cab electronic Vehicle Operations Manual (eVom™).

Operator's Manual  
Construction Bill of Material Parts List  
Water Tank Certification  
Pump Certification  
Pump Test Certification

#### Electrical System:

- Complete wiring schematics for the vehicle.
- Diagrams of the vehicle showing the wiring harness routing within the vehicle. Each of these diagrams shall include the connectors between the harnesses that provide a hyperlink to a drawing of the actual connector where pin functions can be examined.
- Schematics for each system of the vehicle shall be provided with hyperlinks to the connectors for pin designations and to the vehicle drawings for harness location within the vehicle.
- As built wiring information

#### Air System:

- Complete air system schematics for the vehicle.
- Diagrams of the vehicle showing the air tubing routing within the vehicle.
- Schematics for each system of the vehicle shall be provided with hyperlinks to the tanks and valves and to the vehicle drawings for exact location within the vehicle.

### **ELECTRONIC CHASSIS OPERATOR'S MANUAL**

An electronic Operator's Manual w/Parts List - One Set shall be provided with the chassis.

Operator's Manual  
Construction Bill of Material Parts List  
Water Tank Certification  
Pump Certification  
Pump Test Certification

#### Electrical System:

- Complete wiring schematics for the vehicle.
- Diagrams of the vehicle showing the wiring harness routing within the vehicle. Each of these diagrams shall include the connectors between the harnesses that provide a hyperlink to a drawing of the actual connector where pin functions can be examined.
- Schematics for each system of the vehicle shall be provided with hyperlinks to the connectors for pin designations and to the vehicle drawings for harness location within the vehicle.
- As built wiring information

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### Air System:

- Complete air system schematics for the vehicle.
- Diagrams of the vehicle showing the air tubing routing within the vehicle.
- Schematics for each system of the vehicle shall be provided with hyperlinks to the tanks and valves and to the vehicle drawings for exact location within the vehicle.

### **FIRE APPARATUS SAFETY GUIDE**

Pursuant to NFPA 1901, 2016 edition, 40.20.2.3 (20) one (1)(1) copy of the latest edition of FAMA's Fire Apparatus Safety Guide shall be supplied with the apparatus.

### **HYDRA TECHNOLOGY**

The pump module must employ Hydra Technology. Due to the design a pump module manufactured with Hydra Technology is compact in size; massive in performance.

Each component in the module must undergo a selection and placement analysis staff engineers. Utilizing advanced 3D software the engineers goals must provide component placements for ergonomics with a completed module that produces maximum water flow with optimum versatility. Only after the complete analysis and build of the module in the computer can the build of the hardware in the shop begin.

Pump module design beginning with a foundation; cage framework assemblies that are precision manufactured from strong corrosion free heavy wall stainless steel tubing. This framework mounts to the truck frame through a mounting design complimented with iso-mount elastomer cushions. The result shall be a mounting system that allows for the twisting movement of the truck frame without undue stress loading of the pump module.

Next assembled shall be the stainless side panels. Brushed, mirror polished or power coated the stainless steel side panels provide strength and durability. Precise engineering allows each panel to be laser machined before assembly; instead of drilling holes technicians shall spend their time on assembly techniques that provide installations that breeze through strict quality assurance.

A thorough review of the valve control placements on a control module shall result in a neat and orderly layout. Open the access door on a side control module and peer inside. The horizontal control rods appear neat and orderly. The appearance is only a portion of the requirement. The same neat and orderly appearance after countless hours of engineering design and ergonomic study provide a smooth trouble free linkage for valve operation. Another by product of the low profile control rod placement is the ability to offer ladder through the tank storage designs.

On a top control module mount valve controls are attached to the valves through high performance stainless steel aircraft type cable assemblies. Cables eliminate the inefficiencies of control rods connected to a valve. Operate a cable controlled top panel and you will feel the difference; smooth and precise across the full valve operation.

The gauge panel door shall be an expansive double wall stainless door supported by a 3/8 inch diameter hinge pin. The double wall door provides unsurpassed strength and gauge protection while thwarting the casual attempt of tinkering. Authorized servicing of the components within the door is simplified with a bolt on access panel.

Inside the access door; there shall be a clean well build appearance. Stainless steel piping, stainless steel panels, and a stainless steel framework all to provide years of trouble free service. Pipe threads are not allowed on plumbing larger than 1-1/2 inch in diameter. The pump module design shall employ Victaulic coupling connections in the pump module to save time when servicing a component. Installation of components without the use of pipe threads allows for "drop-out" maintenance of critical components without disassembly of entire piping systems. Drop in valves and manifolds with Victaulic couplings are only the start of the serviceability designed into this pump module.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

Apparatus taking exception to any portion of this requirement will not be acceptable.

### **PUMP COMPARTMENT**

The pump compartment shall be separate from the hose body and compartments so that each may flex independently of the other. It shall be a fabricated assembly of stainless steel tubing, angles and channels, which does not support the fire pump and or running boards. The pump compartment shall be mounted onto the chassis through rubber biscuits in a four point pattern to allow for a chassis frame twist.

Pump compartment, pump, plumbing and gauge panels shall be removable from the chassis in a single assembly and shall have an approximate width of 47". The pump compartment shall be a modular design.

A stainless steel framework shall provide the support for the mounting of the pump lower panels. Stainless steel structure shall be provided as a support behind all control push-pull handles enabling a firm foundation for operation of the valve control.

An upper framework shall encompass the crosslay hose bed and walk way area for operation of the deck gun. The floor of this section shall be a bolt-on design to provide access for major repairs and or service.

### **RUNNING BOARDS**

The running boards shall be separate from the hose body, compartments, and pump compartment so that each may flex independently of the other and to allow water to flow freely away from the running board area. Separation of the running boards and support structure from the hose body, compartments and pump compartment is desired to provide field service of the running board without major repairs to the pump compartment in the event of an accident.

The steel running board supports shall be bolted directly to the chassis frame rails to provide proper support. The running board step surface shall be covered in Laser Grip stainless steel meeting the current revision of NFPA 1901 for step requirements.

### **LEFT RUNNING BOARD HOSEWELL**

The left running board shall be provided with integral floating hose well with a 1.5 cubic feet capacity.

### **STRAPS, RUNNING BOARD HOSEWELL**

Two (2) straps shall be provided for the running board hosewell to secure hose in the hosewell.

### **DUNNAGE COMPARTMENT OVER PUMP**

There shall be a dunnage compartment furnished on top of the pump module. The floor shall be bolted in place and removable for access to the fire pump components for major service.

### **PUMP COMPARTMENT WORK LIGHT**

The pump compartment shall have one (1) white LED strip light across the pump panel to provide illumination of the pump compartment. The light strip shall be mounted transverse at the rear of the pump module with the light directed to the front. The light shall have a weather resistant, toggle style on/off switch located inside the pump compartment adjacent to the door hinge area. The power for the pump module light shall be switched thru the battery master switch.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **PUMP SERVICE ACCESS REQUIREMENTS**

It is the opinion that service access to the pump, valves, gauges and controls are of the utmost importance. Special consideration shall be taken when evaluating the pump module design of the offerer. Pump panels that offer little to no access without the use of tools shall not be considered compliant with this requirement.

### **PUMP CONTROL PANELS**

All pump controls and gauges shall be located at the left (street) side of the apparatus and properly identified. The layout of the pump control panel shall be ergonomically efficient and systematically organized. The pump operator's panel shall be removable in two (2) main sections for ease of maintenance. The pump and gauge panels shall be constructed of 12-gauge stainless steel. The gauge panel shall contain a panel for mounting of all instruments, engine monitoring system, and pressure control system.

The gauge panel shall be a double panel door design to protect in the enclosed door all gauge tubing, switch, and control wiring. The gauge panel exterior shall be made of 12-gauge stainless steel. The inner pan shall bolt onto the stainless exterior panel. There shall be an access panel in the inner panel easily removable for control or gauge service or replacement.

The gauge panel door shall be designed as an opening pump house service door on the street (left) side of the pump house. This gauge panel door shall provide an opening minimum size of 41 inches wide by 14 inches in height.

The lower section of the panel shall contain all inlets, outlets, and drains. All push-pull valve controls shall have quarter turn locking control rods with chrome plated zinc tee handles. Guides for the push-pull control rods shall be chrome plated zinc castings securely mounted to the pump panel. Push-pull valve controls shall be capable of locking in any position. The control rods shall pull straight out of the panel and shall be equipped with universal joints to eliminate binding.

There shall be an opening pump house service door on the curb (right) side of the pump house. This door shall provide an opening minimum size of 41 inches wide by 14 inches in height.

### **PUMP PANEL IDENTIFICATION TAGS**

The identification tag for each valve shall be recessed in the face of the control handle. All discharges shall have color-coded plastic identification tags, with each discharge having its own unique color. Color-coding shall include the labeling of the outlet and the drain for each corresponding discharge.

### **PUMP PANEL FINISH**

All stainless panels used in the construction of the pump house shall have a brushed finish.

### **CONTROLS AND GAUGES**

The following shall be provided on the pump and gauge panels in a neat and orderly fashion. The gauge panel shall include the following:

### **PRESSURE GOVERNOR, MONITORING, and MASTER PRESSURE DISPLAY**

Fire Research InControl series TGA400-A00 pressure governor and monitoring display kit shall be installed. The kit shall include a control module, intake pressure sensor, discharge pressure sensor, and cables. The control knob shall be 2" in diameter with no mechanical stops, have a serrated grip, and a red idle push button in the center. It shall not extend more than 1-3/4" from the front of the control module. Inputs for monitored information shall be from a J1939 databus or independent sensors. Outputs for engine control shall be on the J1939 databus or engine specific wiring.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

The following continuous displays shall be provided:

- Pump discharge; shown with four daylight bright LED digits more than 1/2" high
- Pump Intake; shown with four daylight bright LED digits more than 1/2" high
- Pressure / RPM setting; shown on a dot matrix message display
- Pressure and RPM operating mode LEDs
- Throttle ready LED
- Engine RPM; shown with four daylight bright LED digits more than 1/2" high
- Check engine and stop engine warning LEDs
- Oil pressure; shown on a dual color (green/red) LED bar graph display
- Engine coolant temperature; shown on a dual color (green/red) LED bar graph display
- Transmission Temperature: shown on a dual color (green/red) LED bar graph display
- Battery voltage; shown on a dual color (green/red) LED bar graph display.

The 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. All LED intensity shall be automatically adjusted for day and night time operation.

The program shall store the accumulated operating hours for the pump and engine to be displayed with the push of a button. It shall monitor inputs and support audible and visual warning alarms for the following conditions:

- High Battery Voltage
- Low Battery Voltage (Engine Off)
- Low Battery Voltage (Engine Running)
- High Transmission Temperature
- Low Engine Oil Pressure
- High Engine Coolant Temperature
- Out of Water (visual alarm only)
- No Engine Response (visual alarm only)

The program features shall be accessed via push buttons and a control knob located on the front of the control panel. There shall be a USB port located at the rear of the control module to upload future firmware enhancements.

Inputs to the control panel from the pump discharge and intake pressure sensors shall be electrical. The discharge pressure display shall show pressures from 0 to 600 psi. The intake pressure display shall show pressures from -30 in. Hg to 600 psi.

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 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.

The pressure governor, monitoring and master pressure display shall be programmed to interface with a specific engine.

### **PRESSURE GAUGES**

Each line pressure gauge shall be mounted immediately above the control for the corresponding valve. The individual line pressure gauges for the discharges shall be 2-1/2" in diameter with white dial face gauges with black lettering and markings. The gauges shall be a compound style gauge with a vacuum/pressure range of 0 - 400 psig.

The gauges shall be fluid filled with pulse and vibration dampening Interlube to lubricate the internal mechanisms to prevent

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

lens condensation and to ensure proper operation to -40 degrees F. The cases shall be temperature compensated with an internal breathing diaphragm to permit fully filled cases and to allow a rigid lens with a distortion free viewing area. The gauge accuracy for the gauge shall be plus or minus 2% mid-scale, plus or minus 3% balance, per ANSI B40.1, Grade 1A.

To prevent internal freezing and to keep contaminants from entering the gauge, the stem and bourdon tube shall be filled with low temperature oil and be sealed from the water system using an isolating diaphragm located in the stem. A bright metal bezel shall be supplied for resistance to corrosion and to protect the lens and case from damage.

All line pressure gauges shall be mounted adjacent to the corresponding discharge control tee handles.

### **LED GAUGE LIGHTING**

The 2-1/2" pressure gauges shall be equipped with LED back lighting.

### **PUMP PANEL LIGHTING**

The pump operator's panel shall be supplied with a LED light system. LED strip lights with a stainless steel hood shall be mounted across the top of the pump panel gauges and controls.

LED strip lights with a stainless steel hood shall be provided on each side of the pump module above the side panels.

All pump module lighting shall illuminate when the parking brake is engaged. There shall be a white/red color selector switch in the cab that controls the color of this lighting.

### **DRAIN DISCHARGES**

The 3/4 inch drain valves shall be equipped with 90-degree fittings to direct the discharge water beneath the pump module away from the pump operator's panel.

### **PUMP MANUFACTURER AND MODEL**

The pump shall be a Hale DSD model midship pump.

### **PUMP CONSTRUCTION AND ASSEMBLY**

The entire pump, both suction and discharge passages, shall be hydrostatically tested to a pressure of 600 PSI. The pump shall be fully tested at the pump manufacturer's factory to the performance specs as outlined by the latest NFPA Pamphlet No. 1901. Pump shall be free from objectionable pulsation and vibration.

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 metal parts in contact with water shall be of high quality bronze or stainless steel. Pump body shall be vertically split on a single plane for easy removal of entire impeller assembly including wear rings and bearings without disturbing piping or the mounting of the pump in chassis. Pump shaft to be rigidly supported by three bearings for minimum deflection. The bearings shall be heavy-duty, deep groove ball bearings in the gearbox and they shall be splash lubricated.

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

Removable, non-corrosive material clearance rings shall be provided.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

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

### **PUMP TRANSMISSION**

The pump transmission shall be assembled and tested at the pump manufacturer's factory. Pump transmission shall be of sufficient size to withstand up to 16,000 lbs. ft. of torque in road operating conditions. The pump transmission shall be designed with ample capacity for lubrication reserve and to maintain the proper operating temperature.

The transmission drive shafts shall be of heat-treated chrome nickel steel and at least 2-3/4 inches in diameter on both the input and output drive shafts. They shall withstand the full torque of the engine. All gears drive and pump, shall be of highest quality electric furnace chrome nickel steel. Bores shall be ground to size and teeth integrated, shaved, hardened and ground to give an extremely accurate gear for long life, smooth quiet running, and higher load carrying capability. An accurately cut spur design shall be provided to eliminate all possible end thrust.

The pump ratio shall be selected by the apparatus manufacturer to give maximum performance with the engine and transmission selected. If gearbox is equipped with a power shift, the shifting mechanism shall be a heat-treated, hard-anodized aluminum power cylinder, with stainless steel shaft. An in-cab control for rapid shift shall be provided that locks in road or pump.

Three green warning lights shall be provided to indicate to the operator when the pump has completed the shift from Road to Pump position. Two green lights to be located in the truck driving compartment and one green light on pump operator's panel adjacent to the throttle control. All lights to have appropriate identification/instruction plates.

### **PUMP RATING AND TEST REQUIREMENTS**

The pump shall be of a size and design to mount on the chassis rails of commercial and custom truck chassis, and have the capacity of 1500 gallons per minute (U.S. GPM), NFPA 1901 rated performance. The pump shall deliver the percentage of rated discharge at pressures 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

The entire pump shall be assembled and tested at the pump manufacturer's factory. The pump shall be driven by a driveline from the truck transmission. The engine shall provide sufficient horsepower and RPM to enable pump to meet and exceed its rated performance.

### **ALTITUDE REQUIREMENTS**

The apparatus shall be designed to meet the specified rating at 0 to 2000' altitude.

### **HEAT EXCHANGER DISCHARGE**

A gated discharge line shall be installed to provide water from the fire pump to the chassis supplied heat exchanger to assist in engine cooling during pumping operations. The heat exchanger line shall be controlled at the pump operator's panel with a Class 1 valve.



# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **AIR PRIMER**

The pump shall be furnished with an air driven venturi priming system. The system shall be plumbed to the chassis air. A switch to control the air primer shall be provided on the pump operator's panel.

### **PNEUMATIC PUMP SHIFT**

The pump shift shall be air operated and shall incorporate an air double action piston to shift from road to pump and back. A manual or electric operated pump shift mechanism is not acceptable. The pump shift switch shall be mounted in the cab and identified as "AIR PUMP SHIFT" and include instructions permanently inscribed on the pump shift switch plate. The in-cab operating valve uses a spring loaded locking collar to prevent it from accidentally being moved.

The pump shift control assembly shall incorporate an indicating light system, which will notify the operator when the shift has been completed to PUMP and when the chassis transmission is in correct pumping gear.

The switch that activates the lights must be mounted on the pump transmission and positioned so that the pump shift arm activates the switch only when the shift arm has completed its full travel into PUMP position. An additional indicator light shall be provided adjacent to the throttle control at the pump operator's panel to indicate a completion of the pump shift.

### **MECHANICAL SEAL**

The fire pump shall be provided with a mechanical pump seal. One (1) only required on the suction, inboard, side of the pump. The mechanical seal shall be two inches in diameter and shall be spring loaded, maintenance free and self-adjusting. Mechanical seal construction shall be a carbon sealing ring, stainless steel coil spring, Viton rubber boot, and a tungsten carbide seat with Teflon backup seal.

### **ANODE SYSTEM**

To reduce the effect of galvanic action the pump shall be equipped with two alloy (2) anodes. One anode is to be installed on the inlet (suction) side of the system and one anode is to be installed on the pressure (outlet) side of the system.

The anode brass cap is to be drilled with a 1/8" diameter hole to provide an indicator when the anode alloy element is to be replaced.

### **SUCTION PRESSURE RELIEF VALVE**

Task Force Tips model #A1820 pressure relief valve shall be provided. The valve shall have an easy to read adjustment range from 90 to 300 PSI in 90, 125, 150, 200, 250, 300 PSI increments. For corrosion resistance the cast aluminum valve shall be hardcoat anodized with a powder coat interior and exterior finish. The valve shall be configured for either a Waterous or Hale pump, and have a 2" male NPT threaded discharge outlet. The unit shall be covered by a five-year warranty.

The discharge side of the intake relief valve shall be plumbed to the right side below the running boards, away from but, visible to the pump operator, and shall terminate with an unthreaded pipe. The adjustment control shall be located behind the street side pump panel.

### **MASTER DRAIN**

The apparatus shall be equipped with a Class 1 Manual Master Pump Drain for draining of the lower pump cavities, volute and selected water-carrying lines and accessories. The all brass and stainless steel construction allows for operation up to 600 psi.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **FIRE PUMP WARRANTY**

Standard 5 year warranty (Parts and Labor for the first two years, parts only years 3 - 5) See Hale warranty for full details.

### **ELECTRONIC PUMP MANUALS**

Two (2) sets of electronic fire pump service and operation manuals shall be provided with the completed apparatus.

### **LEFT SIDE STEAMER INLET**

There shall be one (1) steamer inlet furnished on the left side pump panel. The suction inlet shall have 6" NST thread. The suction inlet shall have a removable strainer provided inside the external inlet.

### **RIGHT SIDE STEAMER INLET**

There shall be one (1) steamer inlet furnished on the right side pump panel. The suction inlet shall have 6" NST thread. The suction inlet shall have a removable strainer provided inside the external inlet.

### **INTAKE PIPING**

The intake piping to the pump shall be constructed of schedule 40 stainless steel.

### **LEFT SIDE INTAKE**

There shall be an intake located on the left (street) side rear of the pump and shall contain:

A 2-1/2" intake shall be provided. The inlet shall have a 2-1/2" quarter-turn swing-out valve. The inlet shall be provided with a 2-1/2" NST female swivel that extends through the pump panel.

The inlet valve shall have a push-pull type control handle located adjacent to the valve.

### **LEFT SIDE DISCHARGE #1**

The forward discharge on the left (street) side of the pump panel shall contain:

A 2-1/2" discharge shall be provided. The discharge outlet shall have a 2-1/2" quarter-turn swing-out valve. The discharge shall be provided with chrome plated 30-degree discharge elbow with 2-1/2" NST male threads that extends through the

### **LEFT SIDE DISCHARGE #2**

The second from the forward discharge on the left (street) side of the pump panel shall contain:

A 2-1/2" discharge shall be provided. The discharge outlet shall have a 2-1/2" quarter-turn swing-out valve. The discharge shall be provided with chrome plated 30-degree discharge elbow with 2-1/2" NST male threads that extends through the

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **RIGHT SIDE DISCHARGE #3**

The forward discharge on the right (curb) side of the pump panel shall contain:

A 2-1/2" discharge shall be provided. The discharge outlet shall have a 2-1/2" quarter-turn swing-out valve. The discharge shall be provided with chrome plated 30-degree discharge elbow with 2-1/2" NST male threads that extends through the

### **RIGHT SIDE DISCHARGE #4**

The second from the forward discharge on the right (curb) side of the pump panel shall contain:

A 3" discharge shall be provided. The discharge outlet shall have a 3" quarter-turn swing-out valve. The discharge shall be provided with chrome plated 30-degree discharge elbow with 3" NST male threads that extends through the pump panel.

### **DISCHARGE MANIFOLD**

The pump shall have a stainless steel discharge manifold assembly.

### **REAR PRECONNECT - RIGHT SIDE**

There shall be one (1) 2-1/2" discharge outlet located on the passenger side rear of the body below the hose bed. The discharge outlet shall be plumbed with 2-1/2" ID, Schedule 40 stainless steel pipe and high pressure hose and have a 2-1/2" quarter-turn, swing out valve with control on pump operator's panel. There shall be a chrome plated 2-1/2" NST adapter that extends through the rear of the body. The discharge shall be provided with a chrome plated 30-degree discharge elbow.

### **REAR PRECONNECT - LEFT SIDE**

There shall be one (1) 2-1/2" discharge outlet located on the driver side rear of the body below the hose bed. The discharge outlet shall be plumbed with 2-1/2" ID, Schedule 40 stainless steel pipe, and have a 2-1/2" quarter-turn, swing out valve with control on pump operator's panel. There shall be a chrome plated 2-1/2" NST adapter that extends through the rear of the body. The discharge shall be provided with a chrome plated 30-degree discharge elbow.

### **FRONT JUMPLINE**

A 1-1/2" discharge shall be located at the front bumper. The front discharge shall be plumbed using 2" stainless steel pipe and wire reinforced high pressure hose coupled with stainless steel fittings. The front discharge outlet shall have a 2" quarter-turn swing out valve with control on pump operator's panel. The front discharge shall be provided with a 1-1/2" polished stainless steel, 90-degree swivel adapter with 1-1/2" NST male outlet.

The jumpline swivel shall be located on top of the gravelshield adjacent to the hosewell.

### **VALVE CONTROL**

The discharge valve shall be a 2" swing out type. Control of the valve shall be accomplished using a manual locking control on pump operator's panel.

### **DRAIN VALVE**

A 1/4 turn drain valve shall be installed. The valve shall be brass with 3/4" NPT female inlet and outlet thread.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **DRAIN VALVE**

A 1/4 turn drain valve shall be installed. The valve shall be brass with 3/4" NPT female inlet and outlet thread.

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A 1/4 turn drain valve shall be installed. The valve shall be brass with 3/4" NPT female inlet and outlet thread.

### **AUTOMATIC DRAIN VALVE**

One (1) Class 1, 3/4" automatic drain valve shall be supplied.

### **DELUGE RISER**

A 3" diameter deluge riser shall be installed above the pump. The deluge outlet shall be plumbed with a 3" quarter-turn, swing out valve and 3" ID, Schedule 40 stainless steel piping. Deluge outlet shall have control on pump operator's panel.

The deluge piping shall terminate with an NPT male thread. A cap plug is to be provided on the end of the piping to protect the threads if no deck gun is installed at the factory.

### **DECK GUN CONTROL - MANUAL VALVE**

The 3" discharge outlet shall have a 3" slow close quarter-turn swing out valve. The discharge shall be plumbed with 3" Schedule 40 stainless steel piping with 3" NPT male thread. Control of outlet shall be accomplished using a manual, locking control on pump operator's panel.

### **PUMP DUNNAGE AREA DIMENSIONS**

The area behind of the crosslays shall be the dunnage area of the pump house. This area is where the deckgun riser if so equipped protrudes above the pump module. This area shall be enclosed with approximate dimensions of 68" wide x 19" deep x 32.25" front to back.

### **DOUBLE CROSSLAY HOSEBED**

The crosslays shall be arranged on top of the pump module with the #1 crosslay toward the front of the pump house and the #2 crosslay immediately behind the first.

### **#1 CROSSLAY - DOUBLE STACK**

The #1 crosslay shall be equipped with a 1-1/2" male NST outlet. The crosslay shall be plumbed with 2" Schedule 40 stainless steel high pressure pipe. A 2" quarter turn ball valve shall be used to control water flow. The outlet shall be equipped with a 2" polished stainless steel 90 degree swivel with 1-1/2" male NST thread located in the hosebed.

This crosslay bed shall be capable of carrying a minimum of two hundred feet (200') of 1-3/4" double jacketed hose. The double stack crosslay hosebed shall have inside dimensions of 8" wide x 19" tall x 72" wide.

The crosslay valve control shall be mounted on the operator's panel.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **CROSSLAY-DIVIDER**

A crosslay divider shall be provided between the #1 and #2 crosslay. The divider shall be constructed from 1/4" thick abraded aluminum plate mounted on a base T-extrusion that provides lower support the length of the divider. There shall be a hand hole on each side of the divider to assist the firefighter.

### **#2 CROSSLAY - DOUBLE STACK**

The #2 crosslay shall be equipped with a 1-1/2" male NST outlet. The crosslay shall be plumbed with 2" Schedule 40 stainless steel high pressure pipe. A 2" quarter turn ball valve shall be used to control water flow. The outlet shall be equipped with a 2" polished stainless steel 90 degree swivel with 1-1/2" male NST thread located in the hosebed.

This crosslay bed shall be capable of carrying a minimum of two hundred feet (200') of 1-3/4" double jacketed hose. The double stack crosslay hosebed shall have inside dimensions of 8" wide x 19" tall x 72" wide.

The crosslay valve control shall be mounted on the operator's panel.

### **CROSSLAY HOSE GUIDES**

Brushed stainless steel hose guides shall be provided on the left and right side of the crosslays.

### **ELKHART BALL VALVES**

All discharge ball valves shall be Elkhart heavy duty swing out valve with stainless steel ball unless specified otherwise.

### **TANK TO PUMP**

The tank to pump piping shall be capable of delivering water to the pump at a rate of five hundred (500) gallons per minute. This flow shall be sustained while pumping to a minimum of 80% of the certified tank capacity with the apparatus on level ground.

The tank to pump line shall run from the pump to the front face of the water tank and down into the tank sump. A rubber coupling shall be included in this line to prevent damage from vibration or chassis flexing. The tank to pump line shall be 3" I.D. piping with a 3" ball valve.

### **TANK REFILL**

A 1-1/2" tank refill line shall be provided using a quarter-turn full flow ball valve controlled from the pump operator's panel with a manual locking handle. The tank refill shall be plumbed with high pressure flexible piping and high pressure flexible piping stainless steel couplings.

### **TANK REAR INTAKE/DISCHARGE SLEEVE**

The water tank shall be provided with one (1) 4" sleeve from the front of the tank to the rear of the tank. The sleeve shall provide access for either rear intake or rear discharge piping.

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The water tank shall be provided with one (1) 4" sleeve from the front of the tank to the rear of the tank. The sleeve shall provide access for either rear intake or rear discharge piping.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **WATER TANK INDICATOR**

Fire Research TankVision model WLA300-A00 tank indicator kit shall be installed. The kit shall include an electronic indicator module, a pressure sensor, and a 10' sensor cable. The indicator shall show the volume of water in the tank on nine (9) easy to see super bright LEDs. A wide view lens over the LEDs shall provide for a viewing angle of 180 degrees. The indicator case shall be waterproof, manufactured of aluminum, and have a distinctive blue label.

The program features shall be accessed from the front of the indicator module. The program shall support self-diagnostics capabilities, self-calibration, and a data link to connect remote indicators. Low water warnings shall include flashing LEDs at 1/4 tank, down chasing LEDs when the tank is almost empty, and an output for an audio alarm.

The indicator shall receive an input signal from an electronic pressure sensor. The sensor shall be mounted from the outside of the water tank near the bottom. No probe shall place on the interior of the tank. Wiring shall be weather resistant and have automotive type plug-in connectors.

### **LARGE DIAMETER CAP**

A six (6) inch chrome plated cap with long handles shall be supplied. The cap shall be capable of withstanding 500 PSI and be trimmed with the apparatus manufacturer's logo in the center of the cap.

### **INTAKE PLUG**

One (1) 2-1/2" chrome plated rocker lug plug with chain shall be supplied.

### **DISCHARGE CAP**

One (1) chrome plated, Class 1, 2-1/2" rocker lug cap with lug vent and chain shall be furnished.

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One (1) chrome plated, Class 1, 2-1/2" rocker lug cap with lug vent and chain shall be furnished.

### **DISCHARGE CAP**

One (1) chrome plated, Class 1, 3" rocker lug cap with lug vent and chain shall be furnished.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **WATER TANK CONSTRUCTION**

The tank shall have a rated capacity in U.S. gallons, complete with lifetime warranty. The tank manufacturer shall mark the tank and furnish notice that indicates proof of warranty. The purpose of the notice is to inform department personnel who store or use the tank that the unit is under warranty.

The tank shall be constructed of 1/2" thick Polyprene & Mac226 sheet stock. This material shall be non-corrosive stress relieved thermoplastic, white in color and UV stabilized for maximum protection. The tank shall be of a special configuration and is so designed to be completely independent of the body and compartments. All exterior tank joints and seems shall be extrusion welded and/or contain the Bent Edge™ and tested for maximum strength and integrity. The top of the tank is fitted with removable lifting eyes designed with a 3-to-1 safety factor to facilitate easy removal.

The transverse and longitudinal swash partitions shall be manufactured of Polyprene & Mac226 material. 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 and meet NFPA rules. All swash partitions interlock with one another and are welded to each other as well as to the walls and floor of the tank.

### **TANK SUMP AND CONNECTIONS**

There shall be one (1) sump standard per tank. The sump shall be constructed of white Polyprene & Mac226 and be located in the left front corner of the tank, unless specified otherwise. On all tanks that require a front suction, a schedule 40 polypropylene pipe shall be installed that will incorporate a dip tube from the front of the tank to the sump location. The sump shall have a minimum 3" FNPT threaded outlet on the bottom for a drain plug. This shall be used as a combination clean out and drain. All tanks shall have an anti-swirl plate located above the dip tube.

There will be two (2) standard tank outlets: one for tank to sump suction line, and one for a tank fill line. All tank fill couplings shall be backed with flow deflectors to break up the stream of water entering the tank, and be capable of withstanding sustained fill rates of up to 1,000 GPM. The addition of rear suction fittings, nurse valve fittings, dump valve fittings, and through tank sleeves to accommodate rear discharge piping must be specified. All auxiliary outlets and inlets must meet N.F.P.A. 1900 guidelines in effect at the time of manufacture.

### **TANK LID & FILL TOWER**

The tank shall have a combination vent and fill tower. The fill tower shall be constructed of 1/2" thick Polyprene & Mac226 and shall be a minimum dimension of 8"x 8" outer perimeter. The tower shall be located in the center front the tank unless otherwise specified by the purchaser. The tower shall have a 1/4" thick removable Polyprene & Mac226; screen and a Polyprene & Mac226 hinged-type cover. Inside the fill tower, there shall be a combination vent overflow pipe. The vent overflow shall be a minimum of schedule 40 pipe with a minimum ID of 4" that is designed to run through the tank, and shall be piped behind the rear axle beneath the tank.

The tank cover shall be constructed of recessed 1/2" thick Polyprene & Mac226, stress relieved, UV stabilized material. A minimum of two lifting dowels shall be drilled and tapped to accommodate the lifting eyes.

### **OVERFLOW AND VENT PIPE**

The fill tower shall be fitted with an integral 4" ID, Schedule 40 PVC combination overflow/vent pipe running from the fill tower through the tank to a 4" coupling flush mounted into the bottom of the tank to allow water to overflow beneath the chassis.

### **WATER TANK CAPACITY**

The water tank shall be "L" shaped and shall have a maximum capacity of 900 US gallons.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **BODY MODULE CAPACITIES**

The total capacity of the body module exterior compartments shall be 160 cubic feet.

The body shall have an overall length of 148".

### **TANK MOUNTING**

A tank mounting cradle shall be supplied. The tank mounting cradle shall consist of a minimum of seven (7) crossmembers and two (2) full tank length longitudinal members. The tank shall rest on the tank mounting subframe, and shall be insulated from the sub-frame with a 2-1/2" wide rubber insulator. The tank shall sit cradle-mounted using four (4) corner angles of 8" x 8" x 4" x .250" welded directly to the tank sub-frame. The angles shall keep the tank from shifting left to right or front to rear. The tank is designed on the free-floating suspension principal and shall not require the use of hold downs. The tank shall be completely removable without disturbing or dismantling the apparatus body structure. The hosebed cross-braces shall act as water tank retainers. The water tank cradle shall be designed to be completely independent of the apparatus body to eliminate torsional stress loading in the body. No exception will be permitted to the tank mounting requirements.

The tank cradle shall be finish painted to match the chassis axles.

### **PURCHASE INTENT**

The apparatus being purchased is expected to have an 18 to 20 year service life. Based on this requirement, the department is extremely concerned that the apparatus remains structurally sound and the outward appearance remains in a "like new" condition, with minimal maintenance and upkeep, throughout the intended service life.

Aluminum apparatus bodies and differing construction designs will be reviewed and considered ONLY if the builder / manufacture provides in the respondent specifications adequate proof that procedures and materials employed in the design prevent corrosion over the intended service life. Burden of proof is on the bidder and final determination of acceptability will be solely determined by the department.

The entire body design shall be of a laser machined, bolted design to allow for ease of removal for repair or replacement, without cutting welds.

### **APPARATUS BODY DESIGN AND CONSTRUCTION**

The apparatus body shall be built of stainless steel and shall be designed exclusively for Fire Service use. The overall body width shall be 100 inches wide and shall be constructed in accordance with current NFPA requirements. All metal work shall be free of sharp edges, objects or corners. No exceptions are allowed to this requirement.

The body design shall be fully tested with proven engineering and test techniques such as finite element analysis, stress coating, and strain gauging. Engineering and test techniques shall have been performed with special attention given to fatigue life and structural integrity of compartments and body support system.

The apparatus body shall be designed with the use of parametric modeling engineering software to ensure proper design of panel cuts and alignment of holes in mating parts. The entire apparatus body shall be a precision laser machined, bolted construction, properly reinforced with integral flanges eliminating the need for additional structural shapes. Hose body fabrications shall be free of all internal projections which might injure personnel or fire hose.

The pump module is to be completely separate from the main body to prevent damage due to flexing.



# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **MODULAR BODY REQUIREMENTS**

The body shall be completely modular in design allowing transfer of body components to a new chassis in the event of an accident or wear. Body components shall be removable from chassis without cutting or bending. The modular design shall also facilitate ease of repair or replacement of major or minor body parts. The mounting of the apparatus body shall be separate and distinct from the water tank mounting and the pump module mounting.

All body panels are to be laser machined on a CAM controlled laser to ensure accuracy (+/- .010"). This shall greatly enhance assembly and matching of repair parts. The body compartment floors, rear walls and roof areas shall be constructed of 12-gauge austenitic stainless steel. The vertical front and rear walls are designed with 14-gauge stainless steel. These front and rear walls are designed as a structural beam with the inclusion of the design encompassing a front and rear design that allows for installation of telescoping lights.

Interior and unexposed stainless steel panels shall be #4B finish to eliminate the need for high maintenance painted surfaces in the compartments. All exterior stainless steel panels shall have #4B finish.

The entire body shall be fabricated using precision holding fixtures to ensure accurate dimensions. Body front and rear vertical flanges shall be triple broken, providing a mounting area for rear hand rails. Major body components shall consist of right and left body sides, and rear facing compartments.

The front and rear vertical corners of the apparatus body shall be recessed to provide a mounting area for vertical hand rails and telescoping light poles. Two (2) handrails shall be provided at the left and right sides of the apparatus body mounted vertically. A full width handrail shall be mounted at the rear of the body below the hosebed.

### **COMPARTMENT ROOF CONSTRUCTION**

Each compartment top shall have a bolt in 12-gauge stainless roof section for supporting roof loads of up to 500 pounds per square foot without permanent roof deformation. The stainless roof sections shall attach the compartment rear wall and compartment vertical sides through a fastened joint creating a full perimeter compartment attachment of the stainless roof section.

### **REAR FRAME EXTENSION**

The rear chassis frame extension system shall consist of a interwoven dual .625" thick steel drop frame extensions with a transverse 4" x 3" x .375" thick structural channel, and dual laminated .188" thick rear compartment and tailboard support tapered angles on each side of apparatus.

The rear frame extension shall be bolted to the chassis frame utilizing Grade 8 bolts and Grade C locknuts with hardened washers. For ease in replacement of damaged components in an accident there shall be no welding of components to the chassis frame.

Two (2) tow eyes with an eye diameter of not less than 3.5" shall be attached directly to the chassis frame extensions. The tow eyes shall be fabricated of .625" thick steel.

### **BODY MOUNTING SYSTEM**

The front body support system shall be an integral design with .250" thick steel deep section cross member across the top of the chassis frame. The deep section cross member shall be attached to the right side and the left side lower front compartment weldments with eight (8) grade 8; 3/8 inch diameter bolts on each side of the apparatus. The front cross member shall be attached to the chassis by means of an elastomer spring mounting system with limited travel.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

The lower portion of this spring mounting system shall be an integral part of the pump module frame mounting system. This design allows for maximum chassis flexing without undue stress transfer to the apparatus body.

The right and left side rear compartments shall be attached to a stainless steel rear body support. The stainless steel support shall be attached to the chassis frame extensions by means of an elastomer spring mounting system to form a modular integral body support system.

The apparatus body shall not rest upon the chassis truck rails and must be separated entirely from the steel frame of the chassis to prevent galvanic action.

Loose fitting u-bolt body mounting systems are not acceptable due to the likeliness of the apparatus body shifting or becoming detached from the chassis upon rear end impact.

### **COMPARTMENT INTERIOR FINISH**

For better interior visibility, to reflect light better, ease of maintenance and prevent the masking of poor welds and questionable workmanship the interior of the body compartments shall remain uncoated.

### **EXTERIOR ROOF FINISH**

The top of the compartments shall be brushed stainless steel. The roof shall contain 'Not a Stepping Surface' labeling.

Hosebed, Left High, Low Right Side Pumper Body

### **APPARATUS BODY HOSEBED**

The hose bed shall be constructed in such a manner that will prevent damage to fire hose. The hosebed shall comply with the current NFPA requirements. The interior of the hosebed shall be free of projections such as nuts, sharp edges or brackets that may damage hose. The hosebed and walls shall be manufactured from stainless steel. No exceptions to this requirement are allowed.

An aluminum extrusion shall be installed over the rear opening of the hosebed to protect the body from wear. The hosebed bottom shall be fitted with removable slatted, ribbed 6" heavy-duty extruded aluminum floorboards.

### **ADJUSTABLE HOSE BED DIVIDERS**

Three (3) adjustable hosebed dividers shall be provided. Each divider shall be fabricated from .250" thick smooth aluminum plate, 5052-H32 alloy. The rear end of each divider shall have a 3" radius corner and shall be sanded and deburred to prevent damage to hose.

There shall be two hand hold openings provided. One (1) at the rear in a vertical position and one (1) approximately 24 inches in from the rear in a horizontal position.

### **HOSEBED COVER**

A **black** vinyl hosebed cover shall be provided and designed to cover the entire main hosebed area. The cover shall be installed with "stretch cord type" fasteners along each side of the hosebed. A sand filled flap shall be incorporated into the rear edge of the cover.

The hosebed cover rear flap shall have a positive locking device to meet the requirements of NFPA.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **CHASSIS FRAME EXTENSIONS**

There shall be a rear chassis drop frame extension to provide frame support for the rear of the apparatus body. This extension is to be bolted to the truck chassis as an integral part of the truck frame assembly and is to include rear tow eyes, crossmember and tailboard reinforcement.

The rear frame extension shall be finish painted to match the chassis frame.

### **COMPARTMENT DESIGN AND CONSTRUCTION**

All compartments shall be manufactured from 12-gauge stainless steel with the vertical front and rear corner walls from 14-gauge, shall be of sweep out design and shall be bolted together. Stainless recessed round head bolts and stainless aircraft style "ESNA" nuts shall be applied with proper torque rating for each fastener. This type of construction shall greatly enhance the strength and ease of parts replacement in the event of damage and future modifications. Wherever possible, body bolts shall be hidden from plain view for appearance and ease of apparatus cleaning.

### **COMPARTMENT VENTILATION**

Each compartment shall be provided with a laser cut louver to provide adequate ventilation.

### **VENT FILTRATION**

There shall be filters provided for compartments L1, L3, R1 and R3. The protective louver covering the filter shall be removable to allow for filter changing.

The filter shall be 100% virgin nylon fiber in an open web design that is USDA approved. The filter shall be chemically treated with Dimethyl Benzyl Ammonium Saccharinate to aid in the reduction of bacteria and fungi.

### **LEFT SIDE COMPARTMENT DIMENSIONS**

#### **FORWARD OF WHEEL WELL**

There shall be one (1) rescue style, full height, and split depth compartment ahead of the rear wheels. It shall have approximate dimensions of 48" wide x 63" high x 12" deep in the upper section and 24" deep in the lower section.

#### **ABOVE WHEEL WELL**

There shall be one (1) high side reduced depth compartment centered over the rear wheels. It shall have approximate dimensions of 52" wide x 33" high x 12" deep.

#### **REAR OF WHEEL WELL**

There shall be one (1) rescue style, full height, and split depth compartment behind the rear wheels. It shall have approximate dimensions of 43" wide x 63" high x 12" deep in the upper section and 24" deep in the lower section.

### **ROLLUP DOOR CONSTRUCTION - LEFT SIDE**

All left side compartments shall be provided with Gortite roll up doors. The roll up doors shall be constructed of double sided aluminum extrusions connected with a ball and socket joint. The extrusions shall be 1-3/8" wide x 3/8" thick and shall be painted to match the job color. A flexible EDPM extrusion shall be provided between each slat to insure a weather tight seal. Aluminum extrusions shall be individually replaceable without disassembling the entire door by removing push out clips on each end.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

Side channels for each door to ride in shall be provided with santoprene seals to prevent dirt and moisture from entering the exterior compartment. A single piece top drip rail shall be provided with a santoprene seal to prevent dirt and moisture from entering the compartment when the door is fully closed. The bottom of each door shall also be provided with a santoprene seal. All nonmetallic parts shall be glass filled nylon.

The doors shall be painted to match the main job color.

The left side door latches shall be non-locking stainless steel lift bars and shall be provided with a magnetic door ajar switch system.

### **FENDER SIDE SKIRTS**

There shall be stainless steel fender side skirts located in the area of the rear wheels. The design of the fender sides shall be a minimal length to provide maximum compartment space in the apparatus.

### **RIGHT SIDE COMPARTMENT DIMENSIONS**

#### **FORWARD OF WHEEL WELL**

There shall be one (1) rescue style, half height, and full depth compartment ahead of the rear wheels. It shall have approximate dimensions of 48" wide x 30" high x 24" deep.

#### **REAR OF WHEEL WELL**

There shall be one (1) rescue style, half height, and full depth compartment behind the rear wheels. It shall have approximate dimensions of 43" wide x 30" high x 24" deep.

### **ROLLUP DOOR CONSTRUCTION - RIGHT SIDE**

**NOTE THIS IS A LOW SIDE. DO WE HAVE ROOM FOR ROLLER DOORS? Do we need hinged doors here?**

All right side compartments shall be provided with Gortite roll up doors. The roll up doors shall be constructed of double sided aluminum extrusions connected with a ball and socket joint. The extrusions shall be 1-3/8" wide x 3/8" thick and shall be painted to match the job color. A flexible EDPM extrusion shall be provided between each slat to insure a weather tight seal. Aluminum extrusions shall be individually replaceable without disassembling the entire door by removing push out clips on each end.

Side channels for each door to ride in shall be provided with santoprene seals to prevent dirt and moisture from entering the exterior compartment. A single piece top drip rail shall be provided with a santoprene seal to prevent dirt and moisture from entering the compartment when the door is fully closed. The bottom of each door shall also be provided with a santoprene seal. All nonmetallic parts shall be glass filled nylon.

The doors shall be painted to match the main job color.

The right side door latches shall be non-locking stainless steel lift bars and shall be provided with a magnetic door ajar switch system.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **REAR COMPARTMENT DIMENSIONS**

There shall be one (1) half height compartment at the rear of the body. It shall have approximate dimensions of 48" wide x 29" high x 22" deep.

### **ROLLUP DOOR CONSTRUCTION - REAR**

#### **NOTE DO WE HAVE ROOM FOR THE ROLL UP DOOR?**

The rear compartment shall be provided with a Gortite roll up door that shall be constructed of double sided aluminum extrusions connected with a ball and socket joint. The extrusions shall be 1-3/8" wide x 3/8" thick with satin anodized finishing. A flexible EDPM extrusion shall be provided between each slat to insure a weather tight seal. Aluminum extrusions shall be individually replaceable without disassembling the entire door by removing push out clips on each end.

Side channels for the rear door to ride in shall be provided with santoprene seals to prevent dirt and moisture from entering the exterior compartment. A single piece top drip rail shall be provided with a santoprene seal to prevent dirt and moisture from entering the compartment when the door is fully closed. The bottom of the door shall also be provided with a santoprene seal. All nonmetallic parts shall be glass filled nylon.

The rear door latch shall be a non-locking stainless steel lift bar and shall be provided with a magnetic door ajar switch system.

### **FUEL FILL - SIDE BODY**

The fuel fill shall be located in the rear fender area on the left side of the apparatus body. The spring loaded fuel fill door shall have "Diesel Fuel" laser cut in the face of the door. There shall be a vent line from the fuel tank to beneath the fuel cap to aid in fueling of the truck.

### **BODY RUBRAIL / LIGHTING SYSTEM**

The apparatus body shall have a bolt on extruded, bright anodized aluminum rub rail affixed to the side beneath each door area. Each rub rail shall be attached to the apparatus body with stand off spacers made from 1" diameter UHMW Polyethylene bar stock.

The rubrail shall be designed with an integral white LED strip light. The white LED shall be downward facing and activated with the ground light circuit.

The rubrail design shall also include a red LED strip light. The red LED strip light shall face outward and activate as a red flashing warning light when the warning lights are active.

### **BODY FENDERS - POLISHED**

The apparatus body fenders shall be made from 16 gauge polished stainless steel and shall be rolled, die stamped and fully removable. The stainless steel fenders and stainless fender liners shall be fastened with stainless bolts and ESNA nuts to the outer fender panel.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **REAR AXLE MUD FLAPS**

Two (2) black, anti-sail, mud flaps shall be mounted behind the rear wheels.

### **APPARATUS COMPARTMENT LIGHTING**

Two (2) LED, armor protected, strip lights shall be provided one (1) each side of the compartment at the door frame for each body compartment. Each body door shall have an automatic compartment light switch.

There shall be a white/red color selector switch in the cab that controls the color of this lighting.

### **REAR WORK LIGHTS - LED**

A recess mounted LED strip light with integral guard shall be supplied under the rear intermediate step.

The lights shall be switched on when the parking brake is set and the apparatus is running with the master battery switch in the "ON" position.

### **FOLDING STEPS**

Folding steps shall be provided on the front and rear of the apparatus body. Steps shall be provided and installed per NFPA requirements.

### **REAR TAILBOARD**

A rear tailboard 12" deep shall be provided at the rear from "Laser Grip" stainless steel meeting NFPA 1901 step requirements. The tailboard shall provide protection for the side body compartments and shall provide mounting for the rear ICC marker lights. It shall be bolted to the rear support structure.

### **INTERMEDIATE REAR STEPS - LOWER**

Two (2) rear corner steps, one (1) each side, shall be located adjacent to the rear compartment and shall be no less than 8" in depth and fabricated of "Laser Grip" stainless steel to meet NFPA #1901 step requirements.

### **REAR HANDRAILS**

Two (2) ribbed, 1-1/4" diameter, aluminum handrails with chrome plated stanchions shall be supplied and installed at rear of the apparatus body, one (1) on each side on the rear wall.

### **SCBA BOTTLE COMPARTMENTS**

Seven (7) SCBA bottle tube compartments shall be provided, three (3) in the left side rear wheel well area and four (4) in the right side rear wheel area. Each compartment shall be constructed of gray roto molded storage compartment to provide SCBA scuff protection. A door seal shall be provided at the perimeter of the SCBA compartment. The doors shall be brushed stainless steel with a push button trigger latch.

### **SCBA BOTTLE RETENTION STRAP**

One (1) one-inch (1") wide loop of red webbing shall be installed in each SCBA compartment to prevent the bottle from sliding out of the compartment in the event the door is not latched for travel. The loop shall be mounted, centered in the

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

compartment and shall hang within one-inch (1") of the compartment floor to allow the bottle to pass by the strap when the bottle is placed in the compartment. The strap shall loop over the valve.

### **COMPARTMENT FLOOR HEAT SHIELD**

A heat shield shall be mounted on the body between the compartment floor and the chassis exhaust tail pipe.

### **HARD SUCTION TRAY - LEFT SIDE**

One (1) gray powder coated aluminum hard suction tray shall be installed on the left side of the apparatus.

The tray shall be designed to accommodate from three to six inch hard suction hose in a ten foot length and employ a design without fasteners or clamps to hold the suction hose in place in the tray.

The tray shall be mounted on top of the high side compartment.

### **HARD SUCTION TRAY - RIGHT SIDE**

One (1) gray powder coated aluminum hard suction tray shall be installed on the right side of the apparatus.

The tray shall be designed to accommodate from three to six inch hard suction hose in a ten foot length and employ a design without fasteners or clamps to hold the suction hose in place in the tray.

The tray shall be mounted on the side of the right hosebed wall positioned so that and installed suction hose is no higher than the top of the hosebed sides.

### **LADDER BRACKETS**

Two (2) Cast Products, Inc. ladder brackets with hold down handles shall be provided on the right side of the apparatus above the right side exterior compartments.

### **SHALLOW ALUMINUM SHELVES - ADJUSTABLE**

One (1) adjustable aluminum shelves shall be installed and shall have a flange 1-1/2" deep and a minimum material thickness of .190". Each shelf shall be adjustable in height and held in place by four (4) extruded uprights.

Each adjustable shelf shall be installed in the upper portion of the compartments as follows:

1. One (1) in exterior compartment L-3

### **ALUMINUM TOOL BOARDS**

The upper half of the rear wall of three (3) exterior compartments shall be covered with FoxTrax aluminum extrusion tool mounting board.

Tool mounting boards shall be installed on the upper back wall of L-1,L-2,L-3 compartments.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **APPARATUS BODY ELECTRICAL SYSTEM**

All body electrical shall conform to NFPA 1901 latest edition standards. The apparatus shall be equipped with a heavy-duty 12-volt negative ground system.

All 12-volt apparatus wiring shall pass through a heavy duty power disconnect solenoid. The 12-volt control of the power disconnect switch is to be triggered by the Master Battery Disconnect.

The apparatus shall be equipped with a Class1 Es-Key Management System for complete control of the electrical system devices.

The right rear compartment shall house a relay based Power Distribution Module (PDM). The PDM shall contain 12 standard automotive relays. Each relay's output shall be monitored by the Es-Key system to provide true on/off feedback. Each output shall be capable of handling up to 30 amps and be protected by an automatic circuit breaker. The PDM shall be mounted on a removable panel in the left rear compartment with sufficient harness length to allow a technician the ability to remove the PDM and place it on a compartment shelf for diagnostics and service.

All wiring shall be color-coded and function coded to assist the technician in servicing the electrical system. All circuits shall be divided and balanced for proper load distribution. Where possible, wiring shall be routed in looms as a single harness. Heat resistant convoluted loom shall be used. Only solderless, insulated crimp automotive electrical connectors shall be used.

### **CAB ICC MARKER LIGHTING**

Five (5) amber Whelen OS Series LED cab face mounted clearance lights shall be supplied, mounted above the windshield. These lights are to be mounted in a chrome flange.

Two (2) amber Whelen OS Series LED side clearance lights shall be supplied, one (1) each side mounted ahead of the front door.

An amber diamond shaped reflector shall be mounted on the lower corner of each cab front door adjacent to the door hinge.

### **APPARATUS ICC MARKER LIGHTING**

Two (2) amber Whelen OS Series LED side clearance lights shall be supplied, one (1) each side mounted ahead of the forward body compartment. These lights are to be mounted in a chrome flange.

Five (5) red LED clearance lights shall be supplied, mounted in the rear of the apparatus.

Two (2) red LED clearance lights shall be supplied, mounted facing the side of the apparatus.

A red diamond shaped reflector shall be mounted on each lower rear corner of the apparatus body.

ICC lighting utilized and lighting positions shall be in conformance with FMVSS 108.

### **TURN SIGNALS**

Two (2) rectangular Federal Signal, model QL64Z-TURN, LED turn signal lamps shall be mounted outboard of the front headlights on each side. These lights shall be amber in color.



# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **REAR STOP/TAIL/TURN/BACKUP LIGHTS**

There shall be a chrome plated light housing provided on the rear of the apparatus that includes the stop/tail/turn and lower zone C warning lights.

The rear of the apparatus shall be equipped with TecNiq High Output K60 Series light heads.

- The top light in the assembly shall be a red LED with red lens stop/tail light.
- The upper middle light set shall be an amber LED lamp with an amber lens with an arrow mask.
- The lower middle lights shall be white LED backup lamps with clear lens.
  
- The lower lights shall be NFPA warning lamps as specified for lower zone C.

The hard coated lens shall provide extended life/luster protection against UV and chemical stresses. The coated PC board and sealed lens/reflector assembly shall provide additional protection against environmental elements. The solid state warning light shall be vibration resistant and designed with fully sealed submersible electronics. The K60 is rated IP68 for dust and water resistance.

TecNiq Inc. extends a Lifetime Limited Warranty to the original purchaser that the TecNiq Inc. Lamp is free from defects in workmanship and/or materials only. See the TecNiq warranty document for details.

### **BACK-UP ALARM**

A solid state electronic backup alarm shall be installed on the rear of the apparatus and wired to the backup light circuit.

One (1) license plate mounting and LED light shall be provided. The light and bracket shall be located on the rear of the apparatus.

### **ROOF MOUNTED LIGHTBAR**

A Whelen Freedom model F4N7QLED, 72" light bar system shall be supplied and permanently mounted on the cab roof, as far forward as possible. This light bar system shall be supplied with twelve (12) LED elements, ten (10) red and two (2) clear.

This light bar fulfills the requirements for Upper Zone A and in combination with the upper rear warning devices fulfills the requirements for Upper Zones B, C, and D. Any clear warning light(s) in the light bar shall be disabled automatically for the "Blocking Right of Way" mode.

### **LOW LEVEL WARNING LIGHTS**

Two (2) TechNiq warning lights, K60 Series, LED light heads with chrome bezels shall be mounted on the front of the chassis above the headlights located in the inner position on each side.

The light head shall be surface mounted and shall fit standard mounting holes secured with four (4) stainless steel screws. Wiring shall extend from the light head back. The light head shall be fitted with high efficiency optics and a permanently affixed lens to provide a warning light beam across all angles. The light head shall be fitted with AutoSync, a feature that will automatically synchronize the flash patterns of the warning lights without additional wiring. Fully sealed, submersible electronics shall be furnished on each light head. The hard coated lens shall provide extended life/luster protection against UV and chemical stresses. The solid state warning light shall be vibration resistant and designed with fully sealed submersible electronics. The K60 is rated IP68 for dust and water resistance.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

TecNiq Inc. extends a Lifetime Limited Warranty to the original purchaser that the TecNiq Inc. Lamp is free from defects in workmanship and/or materials only. See the TecNiq warranty document for details.

These lights fulfill the requirements for Lower Zone A lower level warning devices. Both warning light lenses shall be red in color.

### **FRONT INTERSECTION LIGHTS**

Two (2) TechNiq warning lights, K60 Series, LED light heads with chrome bezels mounted one (1) on each side of the cab over the front wheel

The light head shall be surface mounted and shall fit standard mounting holes secured with four (4) stainless steel screws. Wiring shall extend from the light head back. The light head shall be fitted with high efficiency optics and a permanently affixed lens to provide a warning light beam across all angles. The light head shall be fitted with AutoSync, a feature that will automatically synchronize the flash patterns of the warning lights without additional wiring. Fully sealed, submersible electronics shall be furnished on each light head. The hard coated lens shall provide extended life/luster protection against UV and chemical stresses. The solid state warning light shall be vibration resistant and designed with fully sealed submersible electronics. The K60 is rated IP68 for dust and water resistance.

TecNiq Inc. extends a Lifetime Limited Warranty to the original purchaser that the TecNiq Inc. Lamp is free from defects in workmanship and/or materials only. See the TecNiq warranty document for details.

These lights fulfill the requirements for Lower Zone B & D lower level warning devices. Both warning light lenses shall be red in color.

### **FRONT INTERSECTION LIGHTS**

Two (2) TechNiq warning lights, K60 Series, LED light heads with chrome bezels mounted one (1) on each side of the body over the rear wheel

The light head shall be surface mounted and shall fit standard mounting holes secured with four (4) stainless steel screws. Wiring shall extend from the light head back. The light head shall be fitted with high efficiency optics and a permanently affixed lens to provide a warning light beam across all angles. The light head shall be fitted with AutoSync, a feature that will automatically synchronize the flash patterns of the warning lights without additional wiring. Fully sealed, submersible electronics shall be furnished on each light head. The hard coated lens shall provide extended life/luster protection against UV and chemical stresses. The solid state warning light shall be vibration resistant and designed with fully sealed submersible electronics. The K60 is rated IP68 for dust and water resistance.

TecNiq Inc. extends a Lifetime Limited Warranty to the original purchaser that the TecNiq Inc. Lamp is free from defects in workmanship and/or materials only. See the TecNiq warranty document for details.

These lights fulfill the requirements for Lower Zone B & D lower level warning devices. Both warning light lenses shall be red in color.

### **REAR UPPER LEVEL WARNING LIGHTS**

Two (2) Whelen Super-LED warning lights, model B6MM LED beacons, shall be mounted on the rear of the apparatus one on each side of the hosebed on polished stainless steel stanchions.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

These two (2) lights fulfill the requirements for Upper Zones B, C & D upper level warning devices.

The upper beacon portion of the light shall be red in color.

The lower directional linear Super-LED rear facing portion of the light shall have, The driver's side lens shall be red in color and the officer's side amber in color.

### **REAR LOWER LEVEL WARNING LIGHTS**

Two (2) TecNiq High Output Red LED Flashing Warning Lights model K60 light head(s) shall be provided. The light head shall be surface mounted and shall fit standard mounting holes secured with four (4) stainless steel screws. Wiring shall extend from the light head back. The light head shall be fitted with high efficiency optics and a permanently affixed lens to provide a warning light beam across all angles. The light head shall be fitted with AutoSync, a feature that will automatically synchronize the flash patterns of the warning lights without additional wiring. Fully sealed, submersible electronics shall be furnished on each light head. The hard coated lens shall provide extended life/luster protection against UV and chemical stresses. The solid state warning light shall be vibration resistant and designed with fully sealed submersible electronics. The K60 is rated IP68 for dust and water resistance.

TecNiq Inc. extends a Lifetime Limited Warranty to the original purchaser that the TecNiq Inc. Lamp is free from defects in workmanship and/or materials only. See the TecNiq warranty document for details.

These two (2) lights fulfill the requirements for Lower Zone C lower level warning devices.

### **ALTERNATING HEADLIGHT WARNING**

The headlights shall be provided with an alternating headlight feature.

When the High Beam is selected the headlights shall become a standard high beam.

Any clear warning light(s) shall be disabled automatically for the "Blocking Right of Way" mode.

A cut off switch shall be supplied to turn off the alternating headlight function.

### **HOSEBED FLOODLIGHT**

One (1) Maxxima MWL-36, 2100 Lumen LED hosebed floodlight with swivel and folding handle shall be mounted at the front right corner of the hosebed. There shall be a weather resistant switch on the lighthouse. The light shall be activated with the parking brake.

### **CAB SIDE SCENE LIGHTS**

There shall be side scene lights installed on the side of the cab between the front and rear cab doors on the raised roof section.

The lighting positions shall be equipped with TecNiq K90 Series scene lights. The scene light shall incorporate 18 5000K white LEDs, a clear lens for maximum output. The hard coated lens shall provide extended life/luster protection against UV and chemical stresses. The coated PC board and sealed lens/reflector assembly shall provide additional protection against environmental elements. The solid state warning light shall be vibration resistant and designed with fully sealed submersible

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

electronics. The K90 is rated IP68 for dust and water resistance. The K5000 shall have 5000 lumens. This light shall be supplied with a chrome bezel.

TecNiq Inc. extends a Lifetime Limited Warranty to the original purchaser that the TecNiq Inc. Lamp is free from defects in workmanship and/or materials only. See the TecNiq warranty document for details.  
The scene lights shall be operated by a switch located in the driver's area of the cab.

### **BODY SIDE SCENE LIGHTS**

There shall be body side scene lights installed as high as possible and spread out as far as possible on both sides of the apparatus body.

The lighting positions shall be equipped with TecNiq K90 Series scene lights. The scene light shall incorporate 18 5000K white LEDs, a clear lens for maximum output. The hard coated lens shall provide extended life/luster protection against UV and chemical stresses. The coated PC board and sealed lens/reflector assembly shall provide additional protection against environmental elements. The solid state warning light shall be vibration resistant and designed with fully sealed submersible electronics. The K90 is rated IP68 for dust and water resistance. The K5000 shall have 5000 lumens. This light shall be supplied with a chrome bezel.

TecNiq Inc. extends a Lifetime Limited Warranty to the original purchaser that the TecNiq Inc. Lamp is free from defects in workmanship and/or materials only. See the TecNiq warranty document for details.

The scene lights shall be operated by a switch located in the driver's area of the cab.

### **BODY REAR SCENE LIGHTS**

There shall be rear scene lights installed as high as possible on both sides of the rear of the apparatus body.

The lighting positions shall be equipped with TecNiq K90 Series scene lights. The scene light shall incorporate 18 5000K white LEDs, a clear lens for maximum output. The hard coated lens shall provide extended life/luster protection against UV and chemical stresses. The coated PC board and sealed lens/reflector assembly shall provide additional protection against environmental elements. The solid state warning light shall be vibration resistant and designed with fully sealed submersible electronics. The K90 is rated IP68 for dust and water resistance. The K5000 shall have 5000 lumens. This light shall be supplied with a chrome bezel.

TecNiq Inc. extends a Lifetime Limited Warranty to the original purchaser that the TecNiq Inc. Lamp is free from defects in workmanship and/or materials only. See the TecNiq warranty document for details.

The scene lights shall be operated by a switch located in the driver's area of the cab.

### **IDENTIFICATION AND SAFETY LABELS**

A permanent plate shall be installed in the driver's compartment to specify the quantity and type of the following fluids in the vehicle:

1. Engine oil.
2. Engine coolant.
3. Transmission fluid.
4. Pump Transmission Lubrication Fluid.
5. Pump Primer Fluid (If applicable).
6. Drive Axle Lubrication Fluid.
7. Air-conditioning refrigerant.
8. Air-conditioning lubrication oil.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

9. Power steering fluid.
10. Transfer case fluid.
11. Equipment rack fluid.
12. Air compressor system lubricant.
13. Generator system lubricant.

A permanent plate with pump performance data and serial numbers shall be installed on the pump panel.

A permanent plate shall be installed in the driver's compartment specifying the maximum number of personnel the vehicle is designed to carry per NFPA standards. It shall be located in an area visible to the driver.

An accident prevention sign stating "DANGER PERSONNEL MUST BE SEATED AND SEAT BELTS MUST BE FASTENED WHILE VEHICLE IS IN MOTION OR DEATH OR SERIOUS INJURY MAY RESULT" shall be placed so it is visible from all seating positions.

An accident prevention sign stating "DANGER DO NOT RIDE ON REAR STEP WHILE VEHICLE IS IN MOTION, DEATH OR SERIOUS INJURY MAY RESULT" shall be placed so it is visible from the rear step of the vehicle.

If an inlet located at the pump operators position is valved, it shall be provided with a permanent label with language per NFPA-1901, current edition.

### **WHEEL CHOCKS**

One (1) pair of heavy duty, high tensile molded aluminum wheel chocks measuring 7.75" high x 8.5 wide x 15" long shall be provided with the apparatus. The wheel chocks shall have a bright yellow powder coat finish for high visibility, safety and corrosion resistance. No exception shall be allowed to these requirements.

Two chock holders shall be provided and mounted on the left side of the apparatus below the front body compartment.

### **SCBA BRACKETS**

Four (4) Zico SCBA mounting brackets with a positive holding strap shall be provided in apparatus body exterior compartments.

The SCBA brackets shall be installed on the back wall of TBA compartment.  
Location will be decided at final pre-build meeting

### **ROOF LADDER**

One (1) 14' Duo-Safety model 775-A, aluminum channel rail roof ladder with folding roof hooks shall be provided with the apparatus.

### **ATTIC LADDER**

One (1) 10' Duo-Safety model 585-A aluminum folding attic ladder shall be provided with the apparatus.

### **EXTENSION LADDER**

One (1) 24' two-section Duo-Safety model 900A solid beam, aluminum extension ladder shall be provided with the apparatus.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **HARD SUCTION HOSE**

Two (2) 10' long x 6" diameter, lightweight PVC flexible suction hose shall be provided. It shall be first quality, non-collapsible type and designed for having a low friction loss which will not collapse under a vacuum of 23". The hard suction hose shall be equipped with a long handle female end and rocker lug male end couplings.

### **BARREL TYPE SUCTION STRAINER**

One (1) Kochek model BS60C, 6" NST chrome plated, barrel type suction hose strainer shall be provided with the apparatus.

### **REAR BODY REFLECTIVE CHEVRON STRIPING**

The rear-facing vertical surfaces of the rear taillight panels and the area below the horizontal step, visible from the rear of the apparatus, including the rear compartment door(s), shall be equipped with six (6) inch wide retroreflective striping in a chevron pattern sloping downward and away from the centerline of the vehicle at an angle of 45 degrees.

### **FRONT BUMPER CHEVRON STRIPING**

The vertical face of the front bumper shall be equipped with six (6) inch wide retroreflective striping in a chevron pattern sloping downward and away from the centerline of the vehicle at an angle of 45 degrees.

Each stripe in the chevron shall be a single color alternating in the same colors used on the rear body chevron.

Each stripe in the chevron shall be a single color alternating between red (3M #-82) and yellow (3M #-81).

### **LETTERING, FRONT BUMPER FACE**

The letters selected shall be installed in a single straight line:

The lettering shall read:

In a straight line, line 1 reads: 32

The lettering shall be 6" in height.

### **LETTERING FONT**

The apparatus lettering shall use a Garth Graphic font.

### **LETTERING, CAB FRONT BELOW WINDSHIELD**

The letters selected shall be installed in a single straight line:

In a straight line, line 1 reads: MESILLA FIRE DEPT.

The lettering shall be 1-1/2" in height. This is the only size that fits

### **LETTERING FONT**

The apparatus lettering shall use a Garth Graphic font.

# TOWN OF MESILLA FIRE DEPARTMENT RESCUE PUMPER

## **LETTERING, DRIVER'S AND OFFICER'S FRONT DOORS**

The letters selected shall be installed on the doors as follows:

In an arch with the center high, line 1 reads: MESILLA  
In a straight line, line 2 reads: FIRE DEPT

The lettering shall be 3-1/2" in height.

## **LETTERING FONT**

The apparatus lettering shall use a Garth Graphic font.

## **LETTERING, CREW AREA DOORS**

The one (1) letters selected shall be installed on the doors as follows:  
In a straight line, line 1 reads: 32

The lettering shall be 6" in height.

## **LETTERING FONT**

The apparatus lettering shall use a Garth Graphic font.

## **LETTERING, COMPARTMENT RR1 DOOR**

The letters selected shall be installed on the door as follows:  
In a straight line, line 1 reads: 32

The lettering shall be 6" in height.

## **LETTERING FONT**

The apparatus lettering shall use a Garth Graphic font.

## **LETTERING MATERIAL**

The apparatus lettering shall be 22 Karat gold vinyl with a large engine turn finish.

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# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **LETTERING MATERIAL**

The apparatus lettering shall be 22 Karat gold vinyl with a large engine turn finish.

### **LETTERING MATERIAL**

The apparatus lettering shall be 22 Karat gold vinyl with a large engine turn finish.

### **REFLECTIVE LETTERING TRIM**

The lettering shall be outlined in black.

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### **FOLDING ATTIC LADDER MOUNTING BRACKETS**

Painted folding attic ladder mounting brackets shall be provided and installed below the side mounted ladders for one (1) folding attic ladder.

### **WATER TANK WARRANTY**

The water tank is to be free from defects in material and workmanship for the normal service life of the apparatus in which the water tank is installed.

If a tank has a defect in material or workmanship covered by the warranty, the tank manufacturer shall repair at their cost, by authorized personnel or authorized third parties. The tank manufacturer shall make an effort to effectuate repair within 48 hours following initial notification of a covered defect. The tank manufacturer shall make a reasonable effort to repair tank at most convenient location to end user.

The tank manufacturer shall reimburse all reasonable costs associated with rendering the tank accessible for repair, including, but not limited to, removal and reassembly of the hose bed floor.



# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### **HME, INC.** **LIMITED WARRANTY**

Thank you for purchasing our products!

This book specifies the limited warranty offered by HME, Inc. (“**HME**”) for HME products. Please note that the applicable limited warranty depends on what product you, the original purchaser, bought. As such, not all terms contained in this book will be applicable to you. Please review the coverage(s) appropriate for your HME product before proceeding through the rest of this book.

This book is divided as follows:

Section A, General Provisions

Section B, Limited Warranties

Section C, Exclusions

Section D, Additional Provisions Applicable to All Products.

HME’s limited warranty set forth in this book will be referred to collectively as this “**Limited Warranty**” or “**HME’s Limited Warranty**”. In this Limited Warranty, the term “**you**” and “**Customer**” will refer to the original purchaser/owner of the HME products and not to any subsequent purchaser or owner.

- **GENERAL PROVISIONS**

*This Section A constitutes part of the Limited Warranty for all HME products.*

#### **Who and What HME’s Limited Warranty Covers**

HME’s Limited Warranty only covers you, the original purchaser/owner of new HME product(s). Subsequent owners or purchasers are not covered by this Limited Warranty.

Subject to the limitations and exclusions set forth in this Section A as well as Sections B, C, and D below, HME’s Limited Warranty generally covers repair, refinish, or replacement, at the sole option of HME, of your new HME cab, chassis, apparatus, aerial or any components thereof (hereinafter “**Covered Part(s)**”) in which a defect in materials or workmanship appears during normal use, maintenance or service within the Warranty Period (as “**Warranty Period**” is defined in each part of this Limited Warranty).

If HME determines there is warranty coverage for a Covered Part, HME shall, at its sole option, repair, refinish, or replace (or have repaired or refinished), at HME’s factory, by HME’s representative at the location of the Covered Part, or at HME’s authorized service facility (whichever location HME designates), any Covered Part not otherwise excluded from HME’s Limited Warranty if the Covered Part proves, in HME’s opinion, to be defective and if all other terms of this Limited Warranty are complied with. The repair, refinish, or replacement

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

of a Covered Part does not extend the life of this Limited Warranty. This Limited Warranty is valid only in the United States and Canada.

### **What This Limited Warranty DOES NOT Cover**

This Limited Warranty is limited by the limitations and exclusions in this Section A and is also limited by the limitations and exclusions set forth in Sections B, C, and D below. The limitations and exclusions set forth in the most specific Section of this Limited Warranty shall supersede the warranty provisions in all other Sections. For example, if there is a potential paint defect, then subject to the other limitations and exclusions in this Limited Warranty, the paint limited warranty would apply in Section B(3) below rather than the general warranty in Section B(1) below.

No Replacement or Repurchase of Fire Apparatus. IF HME DETERMINES THERE IS WARRANTY COVERAGE, REPAIR, REFINISH, OR REPLACEMENT OF COVERED PARTS BY HME IS THE EXCLUSIVE REMEDY UNDER THIS LIMITED WARRANTY. **HME WILL NOT UNDER ANY CIRCUMSTANCES REPLACE A FIRE APPARATUS OR REPURCHASE THE FIRE APPARATUS FROM YOU.**

### **A. LIMITED WARRANTY**

#### **B. General Warranty**

The Limited Warranty under this Section B(1) (the “**General Warranty**”) for Covered Parts is limited to chassis systems and components such as the driveline, cooling system, hydraulic system, suspension, air system, and climate control system, (but excludes the engine, transmission and axles); apparatus systems and components; and the aerial device and system.

#### **1. Warranty Period for General Warranty**

The General Warranty is in effect for a Warranty Period that continues until 12 months from the date of delivery of the new fire apparatus to the original owner, or the first 24,000 actual miles (or 38,710 actual kilometers) from the delivery date, whichever occurs first. At the time of purchase, you as the original purchaser have an option at an additional cost to extend the Warranty Period for the General Warranty for additional years up to a maximum period of 5 years from the delivery date, 100,000 miles from the delivery date, or 3,000 engine hours from the delivery date, whichever occurs first. The General Warranty is not valid if the odometer is disconnected, or its reading has been altered, or mileage cannot be determined.

#### **1Structural Warranty**

The Limited Warranty under this Section B(2) (the “**Structural Warranty**”) for Covered Parts is limited to the cab structure, body structure, and structural failures of aerials.

#### **Warranty Period for Cab Structural Warranty**

The Structural Warranty is in effect for a Warranty Period that continues until 10 years from the date of delivery of the completed new fire apparatus to the original purchaser, or the first 100,000 actual miles (or 161,290 actual kilometers) from the delivery date, whichever occurs first. The Structural Warranty is not valid if the odometer is disconnected, or its reading has been altered, or mileage cannot be determined.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

### 2. Paint Warranty

The Limited Warranty under this Section B(3) (the “**Paint Warranty**”) specifically covers Paint Defects on a cab exterior finish, apparatus body panel exterior finish, or the aerial ladder assembly manufactured by HME. A Covered Part shall be considered to have “**Paint Defects**” if it is found by HME to have any loss of gloss, color retention, cracking, blistering, bubbling or flaking under normal use and with normal maintenance and cleaning. For Paint Defects, you as the original purchaser must notify HME in writing within 30 days after any claimed Paint Defect has appeared. In the case of a warranty claim, the refinish or repair of all non-warranty blemishes, if any, shall be negotiated prior to the warranty refinish or repair.

### 3. Warranty Period for Paint Warranty

The Paint Warranty is in effect for a Warranty Period that continues until the period specified below or the date of the first 24,000 actual miles (or 38,710 actual kilometers) from the delivery date. The Paint Warranty is not valid if the odometer is disconnected, or its reading has been altered, or mileage cannot be determined. At the time of purchase, you as the original purchaser have an option for an extra cost to extend the Warranty Period for the Paint Warranty for additional years up to a maximum of 5, 7, or 10 years. The Paint Warranty only covers the cost to refinish or repair Paint Defects for the specific defect and at the percentages set forth below:

Top Coat and Appearance Gloss, Color Retention, Cracking		Coating System, Adhesion, Flaking, Blistering, Bubbling	
0 to 72 months	100%	0 to 36 months	100%
73 to 120 months	50%	37 to 84 months	50%
		85 to 120 months	25%

Note: To clarify, the chart above does not extend the Warranty Period for the Paint Warranty beyond the first 24,000 actual miles (or 38,710 actual kilometers) from the delivery date. If you purchase the 5 year extended Warranty Period, then the chart above should be limited to 5 years from the delivery date and there will be no warranty after that date.

### 1Chassis Frame Rail Warranty

The Limited Warranty under this Section B(4) (the “**Frame Warranty**”) is limited to the chassis frame rail. It does not cover support brackets and hardware, such as those used for fuel tank mounting and cab mounting.

### Warranty Period for Chassis Frame Rail Warranty

The Frame Warranty is in effect for a Warranty Period that continues until the date that is the expected lifetime of a new vehicle. For purposes of this Frame Warranty, the expected lifetime is 20 years from the original delivery date. This Frame Warranty is not valid if the odometer is disconnected, or its reading has been altered, or mileage cannot be determined.

### 4. Frame Rail & Crossmember Corrosion Protection Warranty

The Limited Warranty under Section B(5) of this Limited Warranty (the “**Corrosion Protection Warranty**”) specially covers galvanized steel corrosion on the chassis frame and crossmembers. The

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

Corrosion Protection Warranty covers parts and labor to correct the affected area as set forth below. Annual inspections at an authorized HME service provider must be performed to keep the warranty in effect.

Upon any claim made under the Corrosion Protection Warranty, the affected area must be inspected, reviewed and approved by HME or its designated repair personnel or facility prior to any work being completed. Any authorized warranty work shall be performed only by HME or its designated repair personnel or facility. Any repairs completed by an unauthorized repair shop or personnel shall cause this Corrosion Protection Warranty to be invalid. The obligations of HME under this Corrosion Protection Warranty are limited to the cost of bringing the affected area into compliance with HME's specifications or of removing any defects in materials or workmanship.

### **Warranty Period for Corrosion Protection Warranty**

This Corrosion Protection Warranty is in effect for the original owner for a Warranty Period that continues until 20 years from the date of delivery of the new fire apparatus to the original owner.

## **5. Stainless Piping Warranty**

The Limited Warranty under Section B(6) of this Limited Warranty (the "**Stainless Piping Warranty**") includes Covered Parts that are limited to the stainless steel piping used in the construction of the fire apparatus water/foam plumbing systems.

### **Warranty Period for Stainless Piping Warranty**

The Stainless Piping Warranty is in effect for a Warranty Period that continues until 10 years from the original delivery date, or the first 24,000 actual miles (or 38,710 actual kilometers) from the delivery date, whichever occurs first.

## **6. Waterway Warranty**

The warranty for the waterway component is a pass-through warranty from the original manufacturer. HME does not provide a warranty for the waterway.

## **7. EXCLUSIONS**

The following exclusions apply to this Limited Warranty. Additional exclusions may be listed in other Sections of this Limited Warranty.

### **C. General Exclusions**

As to all HME products, items not covered by this Limited Warranty include:

- C.** Normal maintenance activities/items and wear parts such as lubrication, batteries, tires, filter and oil replacement, belts and hoses, brake lining and adjustment, door check strap adjustment, vehicle alignments, electrical accessories, voltage regulator, flashers, windshield wipers, etc.
- Damage caused by, but not limited to, failure to follow the required or recommended maintenance schedule, failure to maintain proper fluid and lubricant levels, failure to ensure operating parameters are maintained and failure to follow operating instructions.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

- Damage caused by, but not limited to, misuse, abuse or neglect (e.g. overloading, driving over curbs, or exposure to corrosive, including but not limited to salt and/or acidic exposure, or flooded environments).
- Damage that arises outside of normal use.
- Damage caused by collision, fire, theft, vandalism, civil unrest, acts of terrorism, acts of war, acts of God, or similar casualties.
- Damage or defects with respect to Covered Parts in a vehicle that is leased or rented to a second party for compensation.
- Incidental expenses such as, but not limited to loss of use, inconvenience, loss of time, vehicle rental, towing, lodging or travel costs, etc.
- Additions or accessions not originally installed by HME, including ancillary equipment used in firefighting, and any problems resulting from such additions or accessions.
- Installation of any “aftermarket” devices or the modification of any existing system or component originally installed by HME without HME’s prior express written approval and any problems resulting from such installation or modification.
- Covered Parts that have been sold by an owner other than HME before the Covered Parts become a complete vehicle.
- Any alteration of a Covered Part not authorized in writing by HME prior to alteration.
- Other specific exclusions listed in each part in this book.

- **Exclusions for General Warranty**

Items not covered by the General Warranty include:

- **D.** The frame, cab structure, body structure, aerial structure, stainless piping, and paint, but each is covered by specific warranty terms as defined in their individual warranties.
- The engine, transmission, axles or components added to the chassis by another party; however, the engine, transmission, axles and/or components added to the chassis by another party may be covered by warranties issued to you from the respective component manufacturers.
- The components added to the apparatus by another party; however, these items may be covered by warranties issued to you from the respective component manufacturers.

- **Exclusions for Structural Warranty**

Items not covered by the Structural Warranty include:

- **E.** All hardware, seats, mechanical items, electrical items and paint finishes.
- Covered Parts damaged as a result of corrosion, including, but not limited to salt and/or acidic exposure.

- **Exclusions for Paint Warranty**

Items not covered by the Paint Warranty include:

- **E.** Damage caused by lightning, earthquake, windstorm, hail, flood or use in a corrosive or acidic environment.

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

- Damage from lack of poor maintenance and cleaning.
  - Gold leaf or striping except that which is affected by repair. (Gold leaf or striping affected by repair must have been installed during the manufacture of a cab to be covered under the Paint Warranty for the cab.)
  - Time, loss of use of the vehicle, inconvenience, vehicle rental, lodging, food or other consequential or incidental loss that may result from a Paint Defect.
  - UV paint fade.
  - Cab underside
  - Chassis frame rails, crossmembers and suspension
  - Aerial Ladder torque box and outrigger assemblies.
  - Components not painted by HME may be covered by the respective manufacturer's warranty.
- **Exclusions for Frame Warranty**

Items not covered by the Frame Warranty include:

**G.** Damage caused as a result of corrosion, including but not limited to salt, chlorides and/or acidic exposure.

- **Exclusions for Corrosion Protection Warranty**

Items not covered by the Corrosion Protection Warranty include:

**H.** Parts that have not been galvanized, including but not limited to, suspension hangers, fuel tank and mounting, and air system components.

- Transportation costs.
- Damage due to lack of specified normal maintenance and service as outlined and required in the service and operating manuals provided with the apparatus.
- Damage from accidents, abuse, physical and mechanical damage, and all other conditions not considered as "normal" operating conditions.

- **ADDITIONAL PROVISIONS APPLICABLE TO ALL HME PRODUCTS**

*This Section D applies to all HME products.*

### **Exclusive Warranty**

THE LIMITED WARRANTY SET FORTH IN THIS BOOK IS THE ONLY WARRANTY APPLICABLE TO HME PRODUCTS AND IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTY BY HME, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS LIMITED WARRANTY IS FURTHER LIMITED BY THE TERMS AND CONDITIONS STATED IN THE PROVISIONS BELOW:

**LIMITATION ON DAMAGES:** HME shall not be liable for incidental, consequential, direct, indirect or other damages (such as, but not limited to, lost wages, attorney's fees, or lost vehicle rental expenses) that result from any breach or claim related to or arising out of (a) this Limited Warranty, (b) other warranties,

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

if any, (c) any agreement between HME and the Customer, or (d) the HME products or any actual or alleged defect related to the HME products.

**LIMITATION ON IMPLIED WARRANTIES:** Any implied warranties that arise by way of applicable state or provincial law, including any implied warranty of merchantability or fitness for a particular purpose, are limited in duration to the applicable Warranty Period and are limited in scope of coverage to the Covered Parts covered by this Limited Warranty.

### **Third Party Representations**

HME does not authorize any person to create for HME any other obligations or liability in connection with its products, and HME is not responsible for any representation, promise or warranty made by an HME Sales Representative, component or vehicle manufacturer, or other person beyond what is expressly stated in this Limited Warranty.

### **How to Obtain the Limited Warranty**

In order to be eligible under this Limited Warranty, you **MUST** return a completed "Limited Warranty Registration" form to HME within 60 days of the date of delivery. The original purchaser/owner is responsible for submitting, either directly or with the assistance of the HME Sales Representative, a "Limited Warranty Registration" form to HME within 60 days of the date of delivery.

The "Limited Warranty Registration" form is located in both the HME Chassis Owner's Manual supplied with your new vehicle, and at the end of this Limited Warranty document. **THIS LIMITED WARRANTY IS NOT VALID IF THE LIMITED WARRANTY REGISTRATION FORM IS NOT SENT TO HME WITHIN 60 DAYS AFTER THE DATE OF DELIVERY TO THE ORIGINAL PURCHASER/OWNER.**

### **How to Get Service**

To obtain warranty service, the original owner shall call HME Monday through Friday from 7:30 a.m. to 7:00 p.m. (Eastern Time) at 1-616-534-1463. Our customer service technicians can help answer questions regarding our products and services, provide information about warranty coverage and maintenance issues, help you arrange for service under third party warranties, and locate HME authorized service centers in your area. **ALL LIMITED WARRANTY WORK MUST BE AUTHORIZED BY HME BEFORE REPAIRS ARE MADE.** When you call for service, please have the following information available so that we may expedite your service:

- D.** Your HME VIN (Vehicle Identification Number)
- Original owner date of purchase
  - The current actual mileage
  - The current actual engine hours

If service is needed on a Covered Part, you shall be responsible for all cost associated with transporting the Covered Part to the service location HME identifies at the time HME arranges for service. **NO WARRANTY CLAIM WILL BE PROCESSED OR PAID WITHOUT PROOF OF ACTUAL MILEAGE AND THE DATE OF DELIVERY TO THE ORIGINAL PURCHASER/OWNER.**

### **Legal Remedies**

Any claim or controversy arising out of or relating to this Limited Warranty, or breach thereof, shall be settled by arbitration administered by the American Arbitration Association in the State of Michigan in accordance with the Commercial Arbitration Rules of the American Arbitration Association. The determination of the arbitrator(s) shall be in writing and shall include an explanation of the basis for the determination. The determination of the

# TOWN OF MESILLA FIRE DEPARTMENT

## RESCUE PUMPER

arbitrator(s) shall be final and binding and judgment upon such determination may be entered in any court having jurisdiction.

### **COVERAGES**

General Warranty - One (1) Year Total

Cab & Body Paint Warranty - 5 Years



April 1, 2019

Rod McGillivray  
Town of Mesilla  
2231 Avenida de Mesilla  
Mesilla, NM 88046

**RE: Calle de Parian Reconstruction & Improvements Project**  
Project No. SP-1-19(966), Control No. HW2 L100366  
Consideration of Award

Dear Mr. McGillivray,

The Town of Mesilla received two (2) Bids on March 28, 2019, for the Calle de Parian Reconstruction & Improvements Project. The bids ranged from a low of \$94,728.10 to a high of \$133,000.00. A summary of the Bids received and the Engineer's estimate is provided on the enclosed Bid Tabulation and Bid Evaluation Summary.

The apparent Low Bidder is A Mountain Professional Construction Company in the amount of \$94,728.10, excluding NMGRT, and is well below the Engineers Estimate by approximately 20%.

- A Mountain Professional Construction Company is a registered Contractor in the State of New Mexico, active GB 98, GA 01 with License No. 85717, and GF09 with License No. 395016. We have verified this information with Contractor Licensing Services, Inc. <https://public.psiexams.com/search.jsp>
- Along with the signed and full completed Bid Form, A Mountain Professional Construction Company submitted the Bid Bond, Subcontractor's listing, preferences, and other documents included as a part of the bid.
- The Surety for the Bid Bond is National American Insurance Company NAIC# 23663. As required, the Surety is listed on Federal Circular 570 and licensed to do business in the State of New Mexico to an underwriter's limit of \$6,792,000.00. We have verified this with the U.S. Department of the Treasury, Washington, D.C., Treasury's listing of approved Sureties approved to conduct business in the State of New Mexico [https://www.fiscal.treasury.gov/fsreports/ref/suretyBnd/c570\\_a-z.htm](https://www.fiscal.treasury.gov/fsreports/ref/suretyBnd/c570_a-z.htm)

Based on the information before us, A Mountain Professional Construction Company has submitted the lowest apparent responsive Bid. Therefore, we recommend the Contract for this Work be awarded to A Mountain Professional Construction Company for the Base Bid of \$94,728.10 (excluding NMGRT).

We understand that the Owner reserves the right to award or reject any Bid, or negotiate a change in scope to reduce the Contract Amount, as well as waive any technical irregularities in the Bids.

This consideration of award is subject to the approval of the funding agency.

Should you have any questions or concerns, please do not hesitate to call.

Sincerely,

MOLZEN-CORBIN

A handwritten signature in black ink, appearing to read "John T. Montoya". The signature is stylized and cursive, with the first name "John" and last name "Montoya" clearly visible.

John T. Montoya, PE, PS, PTOE  
Vice President

CC: Cynthia Stoeher-Hernandez, Town of Mesilla

Calle de Parian Reconstruction & Improvements				Engineers Estimate		A - Mountain Construction		Smith & Aguirre Construction	
ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QTY	BID UNIT PRICE	BID PRICE	BID UNIT PRICE	BID PRICE	BID UNIT PRICE	BID PRICE
1	Unclassified Excavation, including removals & disposal	CY	550	\$10.00	\$ 5,500.00	\$16.00	\$ 8,800.00	\$30.00	\$ 16,500.00
2	Subgrade Preparation, complete in place	SY	2730	\$3.00	\$ 8,190.00	\$2.00	\$ 5,460.00	\$3.55	\$ 9,691.50
3	6" Crushed Aggregate Base Course, complete in place	SY	2690	\$6.00	\$ 16,140.00	\$6.50	\$ 17,485.00	\$8.10	\$ 21,789.00
4	3" Asphaltic Concrete Surface Course, complete in place	SY	2690	\$22.00	\$ 59,180.00	\$12.99	\$ 34,943.10	\$17.30	\$ 46,537.00
5	4" Base Course Driveway, complete in place	SY	40	\$6.00	\$ 240.00	\$6.00	\$ 240.00	\$38.90	\$ 1,556.00
6	2" Miscellaneous Paving, complete in place	SY	130	\$23.00	\$ 2,990.00	\$12.00	\$ 1,560.00	\$52.50	\$ 6,825.00
7	Prime Coat, complete in place	SY	2690	\$1.00	\$ 2,690.00	\$1.00	\$ 2,690.00	\$1.00	\$ 2,690.00
8	Tack Coat, complete in place	LF	750	\$1.00	\$ 750.00	\$1.00	\$ 750.00	\$0.60	\$ 450.00
9	Adjust Water Valve to Grade, complete in place	EA	2	\$350.00	\$ 700.00	\$450.00	\$ 900.00	\$625.00	\$ 1,250.00
10	Adjust Manhole to Grade, complete in place	EA	2	\$500.00	\$ 1,000.00	\$700.00	\$ 1,400.00	\$625.00	\$ 1,250.00
11	Drop Inlet and Connection to Existing, Complete in place	LS	1	\$8,500.00	\$ 8,500.00	\$6,500.00	\$ 6,500.00	\$8,466.50	\$ 8,466.50
12	Laboratory Testing Allowance	ALLOW	1	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00	\$ 5,000.00
13	Utility Adjustment allowance	ALLOW	1	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00
14	Vibration Monitoring Allowance	ALLOW	1	\$ 4,500.00	\$ 4,500.00	\$ 4,500.00	\$ 4,500.00	\$ 4,500.00	\$ 4,500.00
15	Traffic Control including, plan, devices, management, and maintenance for the duration of construction	LS	1	\$5,000.00	\$ 5,000.00	\$2,500.00	\$ 2,500.00	\$4,495.00	\$ 4,495.00
<b>TOTAL BID</b>				<b>\$ 122,380.00</b>		<b>\$ 94,728.10</b>		<b>\$ 133,000.00</b>	
Claiming NM Contractor Preference						YES		YES	
Amount used for bid comparison for NM preference						\$ 89,991.70		\$ 126,350.00	

I hereby certify that the above figures are the same as those submitted in the Bid Proposal, except as otherwise amended in accordance with the Contract Documents.



John T. Montoya, PE # 12423 Date

Discrepancies between the indicated sum on contractor's bid form and the correct sum. The Column amount shown herein is resolved in favor of the correct sum, which is based on the bid unit price as extended with the estimated quantity.

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## MEMORANDUM

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**TO: MAYOR NORA L. BARRAZA AND BOARD OF TRUSTEES**  
**FROM: LARRY SHANNON, COMMUNITY DEVELOPMENT COORDINATOR**  
**SUBJECT: ACTIVITY REPORT – MARCH, 2019**  
**DATE: APRIL 3, 2019**

**PZHAC BUSINESS**  
**MARCH, 2019**  
**[Items presented to the PZHAC]**

**PZHAC WORK SESSION ITEMS:**

1. Submitted by Ruben Contreras for Brittany Bloch (“Black Rat Tattoo”), a request to discuss plans to construct a small commercial building and a casita on a vacant property at the southwest corner of Calle de Correo and Avenida de Mesilla (address to be assigned). **(Case 060848)** Zoned: Historical Commercial (HC)
2. Submitted by Daniel and Maxine Bustamantes, a request to discuss plans to construct a stuccoed concrete block wall on a residential property at 2590 Calle de Colon **(Case 060850)** Zoned: Historical Residential (HR)
3. Submitted by Jorge Larrazabal; a request to discuss plans construct a 30 foot by 16 foot steel carport with a partially enclosed storage unit on a residential property at 2195 Calle del Norte. **(Case 060852)** Zoned: Historical Residential (HR)
4. Submitted by Zach Penn; a request to discuss plans to construct a 75 foot by 50 foot metal and stucco storage building on a residential property at the north end of Cielo Grande Court (Lot 8). **(Case 060855)** Zoned: Rural Farm (RF)
5. Submitted by Jessica Kane, a request to discuss plans to construct a dwelling on a vacant residential property located at the southwest corner of Calle de Colon and Calle Tercera (address to be assigned). Zoned: Historical Residential (HR)
6. Submitted by Jorge Larrazabal; a request to discuss plans to construct a 30 foot by 16 foot steel carport with a partially enclosed storage unit on a residential property at 2195 Calle del Norte. **(Case 060852)** Zoned: Historical Residential (HR)
7. Submitted by Catherine Martinez and Linda Montoya; a request to discuss plans to replace a metal wire fence around a residential property at 1000 West University Avenue. **(Case 060861)** Zoned: Rural Farm (RF)
8. Submitted by Jake Quinones of Quinones Design/Build for Emilie Cano; a request to discuss plans to repair the adobe walls and roof on a dwelling at 2206 Avenida de Mesilla. **(Case 060862)** Zoned: Historical Commercial (HC)
9. Submitted by Conrad Estrada of Images N’Iron for Little Fawn Boland; a request to discuss a modification to a permit approved 1/16/18 to allow gates to be installed on a front wall of a dwelling at 2196 Calle de San Albino. **(Case 060653)** Zoned: Historical Residential (HR)

**PZHAC ADMINISTRATIVE APPROVALS:**

**Building Permits**

1. **Case 060851** – 217 Capri Road, submitted by Arlene and Matthew Watson; a request for a zoning permit to reroof a dwelling at this address. Zoned: Residential, Single Family (R-1)
2. **Case 060853** – 2043 Calle de Correo, submitted by Alison Tinsley; a request for a zoning permit to patch leaks in a roof at the back of dwelling at this address. Zoned: Historical Residential (HR)
3. **Case 060854** – 2825 Teresita Street, submitted by Larry and Michel Lytle; a request for a zoning permit to reroof a dwelling at this address. Zoned: Historical Residential (HR)
4. **Case 060857** – 2168 Calle de los Huertos, submitted by Geronimo Garcia; a request for a zoning permit to allow the repair of an adobe wall on the corner of a dwelling at this address. Zoned: Historical Residential (HR)
5. **Case 060860** – 2090 Snow Road, submitted by Main Electrical for John Knopp; a request for a zoning permit to allow the electric system for a dwelling at this address to be upgraded to allow installation of a heat exchanger.. Zoned: Residential Farming (RF)

## **PZHAC DECISION ITEMS:**

### **Building Permits**

1. **Case 060848** – Southwest corner of Calle de Correo and Avenida de Mesilla, submitted by Ruben Contreras for Brittany Bloch (“Black Rat Tattoo”), a request for a zoning permit to construct a small commercial building and a casita on a vacant property at this location. Zoned: Historical Commercial (HC) **This case was heard during the Work Session – Item 1)**
2. **Case 060850** – 2590 Calle de Colon, submitted by Daniel and Maxine Bustamantes; a request for a zoning permit to allow a stuccoed cinder block wall to be constructed at this address. Zoned: Historical Residential (HR) **(This case was heard during the Work Session – Item 2)**
3. **Case 060852** – 2195 Calle del Norte, submitted by Jorge Larrazabal; a request for a zoning permit to allow the construction of a 30 foot by 16 foot steel carport with a partially enclosed storage unit on this property. Zoned: Historical Residential (HR) **(This case was heard during the Work Session – Item 3)**
4. **Case 060855** - Cielo Grande Court (Lot 8), submitted by Zach Penn; a request for a zoning permit to allow the construction of a 75 foot by 50 foot metal and stucco storage building on a residential property at this location. Zoned: Rural Farm (RF) **(This case was heard during the Work Session – Item 4)**
5. **Case 060856** – 2755 Boldt Street, submitted by Daniel J Jones and Teresa Griffith; a request for a zoning permit to allow the repainting of the trim on a dwelling at this address. Zoned: Historical Residential (HR)
6. **Case 060852** – 2195 Calle del Norte, submitted by Jorge Larrazabal; a request for a zoning permit to allow the construction of a 30 foot by 16 foot steel carport with a partially enclosed storage unit on this property. Zoned: Historical Residential (HR) **This case was heard during the Work Session – Item 2)**
7. **Case 060861** – 1000 West University Avenue, submitted by Catherine Martinez and Linda Montoya; a request for a zoning permit to replace a metal wire fence around the residential property at this address. Zoned: Rural Farm (RF) **(This case was heard during the Work Session – Item 3)**
8. **Case 060862** – 2206 Avenida de Mesilla, submitted by Jake Quinones of Quinones Design/Build for Emilie Cano; a request for a zoning permit to allow the repair of the adobe walls and roof on a dwelling at 2206 Avenida de Mesilla. Zoned: Historical Commercial (HC) **(This case was heard during the Work Session – Item 4)**
9. **Case 060653** – 2196 Calle de Medanos, submitted by Conrad Estrada of Images N’Iron for Little Fawn Boland; a request to modify an approved zoning permit to allow the installation of gates on the front wall of a dwelling at this address. Zoned: Historical Residential (HR) **(This case was heard during the Work Session – Item 5)**
10. **Case 060863** – 2417 & 2419 Calle de Parian, submitted by Davie and Kelly Salas; a request for a zoning permit to allow the construction of short latia privacy fences on patios attached to the two dwellings at the rear of these properties. Zoned: Historical Residential (HR)

### **Work Session Decision Item:**

1. Determination by the PZHAC as to the Historical Appropriateness of the dwelling proposed for the property at the southwest corner of Calle de Colon and Calle Tercera (address to be assigned). Zoned: Historical Residential (HR) **(Discussed during Work Session)**

### **Business Permits:**

1. **Permit 0766** – 2305 Calle de Colon, submitted by Gerard Nevarez; a request for a business license to allow the applicant to operate a Human Resources (HR/EEO) consulting business (“JerryCo Services”) as a home occupation at this address. Zoned: Historical Residential (HR).

**If you have any questions, comments or concerns please feel free to call me at 524 -3262 ext. 104; or e-mail me at [larrys@mesillanm.gov](mailto:larrys@mesillanm.gov).**

**Town of Mesilla Assessor's Report  
MARCH 2019**

Mesilla CASE #	DAC ACC'T #	APPL. DATE	ISSUEE/CONTRACTOR	VALUATION / COST	FEE	BLDG CODE	ADDRESS	DESCRIPTION OF WORK
<b>060852</b>	04-00222	2/14/19	Jorge Larrazabal/TBD	80000.00	27.50	AC	2195 Calle de Norte	Add a carport and storage building to an existing dwelling
<b>060860</b>	04-01145	3/6/19	Richard Knopp/Main Electrical	1300.00	16.40	MI	2090 Snow Road	Upgrade electrical system and install a 5-ton heat pump unit
<b>060861</b>	04-00763	3/8/19	Catherine Martinez and Linda Montoya/self	6000.00	110.00	MI	1000 West University Avenue	Replace sheep wire fence with wrought iron fence with block and stucco sections around the property at this address
<b>060862</b>	04-00317	3/11/19	Mia (Emilie) Caro/Quinones Design/Build	125,000.00	198.00	AL	2206 Avenida de Mesilla	Reroof, exterior plaster repairs, patio cover and fireplace removal, carport half wall construction
<b>060863</b>	04-00502, 04-00499	3/12/19	Kelly & Davie Salas/self	400.00	45.00	MI	2417 & 2419 Calle de Parian	Install three small latia privacy fences on these properties
<b>060864</b>	04-00337	3/14/19	Robert Tustin/Pat Taylor, Inc.	60000.00	19.50	MI	Calle de Santiago/Avenida de Mesilla	Repair the base of an adobe wall on the dwelling at this location
<b>060865</b>	04-00122, 04-00138, 04-00137	2/19/19	Christina DeMatteo	N/A	310.00	VAR	3066 Snow Road and adjacent	A variance to lot size to allow two small lots to be combined and a lot line 2/19/19adjusted to create a 0.69 acre lot
<b>060866</b>	04-00667	3/26/19	Jorge Larrazabal/Quality Air Technologies	7100.00	22.50	MI	2878 Calle de San Albino	Replacement of evaporative cooler with refrigerated air
<b>060867</b>	04-00538	3/26/19	Samuel and Jessica Kane/TBD	500,000.00	760.50	NR	Calle de Colon	Build a new dwelling
<b>060868</b>	04-00696	3/28/19	George A. Klebansky/self	375.00	9.00	MI	3116 Avenida de Mesilla	Install a temporary 4 foot high "Intex" above ground pool at this address.
<b>060870</b>	04-00987	2/25/19	Jesus Caro	N/A	350.00	ZONE	West end of Fresquez Road/Snow Road (easement)	Request for a zone change from RF to R-1 for this property
<b>060871</b>	04-00315	3/28/19	Felix Armijo/self	80.00	0.00	MI	2290 Calle de Parian	Repair window frame and repaint on a commercial building at this address
<b>060872</b>	04-00315	3/28/19	Felix Armijo/self	350.00	45.00	MI	2290 Calle de Parian	Replace a window on a commercial building at tis address

## Community Projects Report

Project	Description
Current Contact information	Irene E. Parra Email: <a href="mailto:irenep@mesillanm.gov">irenep@mesillanm.gov</a> Work: 575-524-3262 Cell:575-571-3890
Summer Music Series	The Town of Mesilla will host the Summer Music Series beginning every Friday night in June and July, in the plaza from 8pm to 10pm. This is a wonderful opportunity to showcase great local talent.
Summer Recreation Program	I have posted for three Summer Recreation Supervisor positions. The program will run the first week of June Monday through Friday noon to 4pm, serving ages 6 years to 12 years old.
Camp Innovative	The Town of Mesilla is partnering with Arrowhead Center, to host a week long summer program encouraging Youth Entrepreneurship. The program will take place the week after the Summer Recreation Program. Students will learn the basics of starting a business, marketing a product and will end the week selling their items at our Mercado, in the plaza.
El Paso Electric Grant	I have re-applied for funding for the El Paso Electric Grant. The funds will go towards the Summer Recreation Program salaries and equipment. Last year the town received approximately \$3,000.00.
Cinco de Mayo	I continue to receive applications from vendors for the fiesta. Once the schedule is confirmed, posters will be distributed throughout the community.
Clean & Beautiful Grant	I have re-applied for funds through the Clean & Beautiful Grant. Currently, I am looking to continue improvements to the Community Center park, as well as efforts to eradicate graffiti. The last grant received went to build a dog park.



# MEMORANDUM

**To:** Mayor and Trustees

**From:** Cynthia Stoechner-Hernandez  
Town Clerk-Treasurer *CSH*

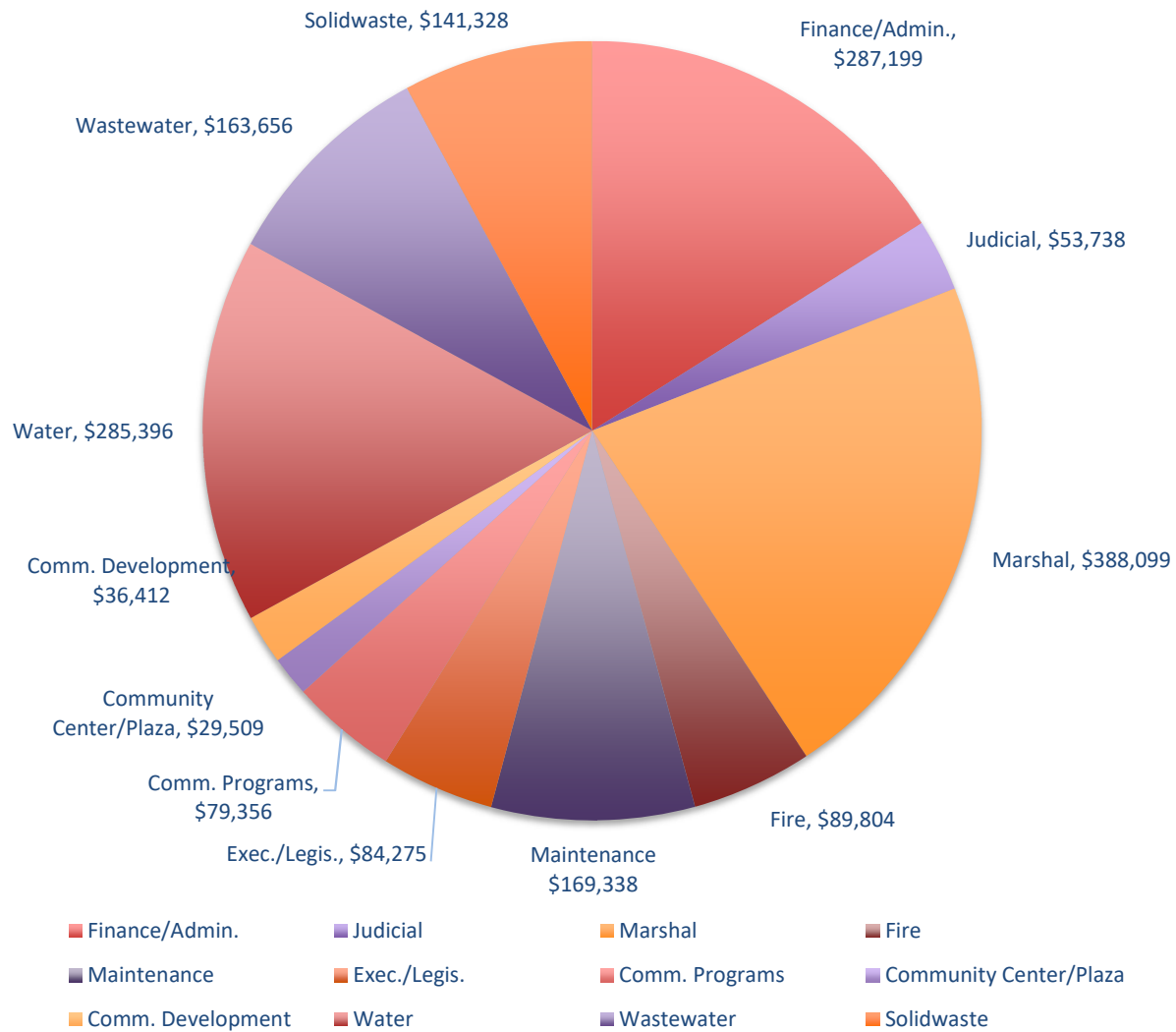
**RE:** Monthly Finance Report

Listed below is a review of department and fund expenditures for: MARCH  
General Fund should be at: 75.00% spending

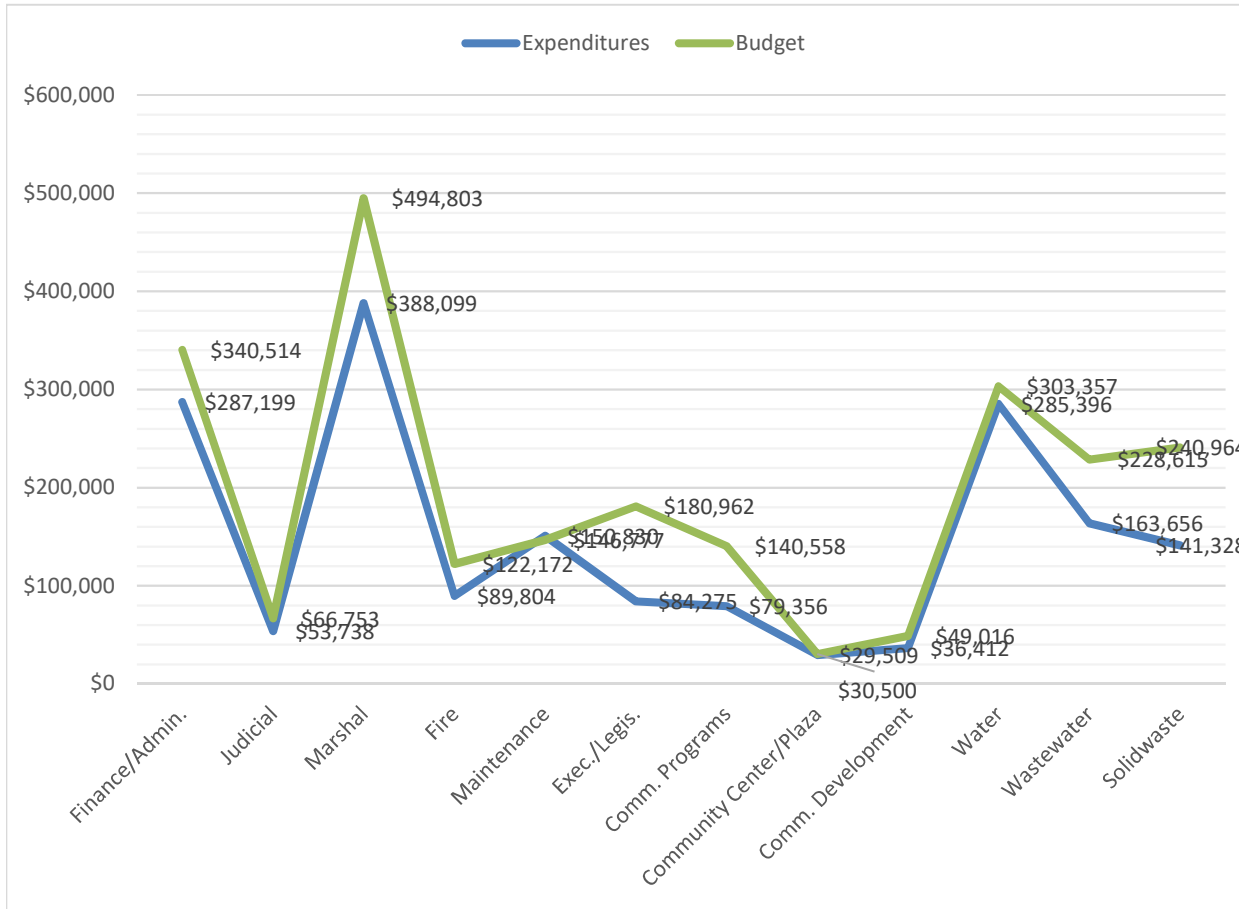
YTD EXPENDITURES	%Exp.	\$ Money YTD	Mo.%	YTD % over/under	Approved Budget
Finance/Admin.	84.34%	\$287,199	100.00%	-15.66%	\$ 340,514
Judicial	80.50%	\$53,738	100.00%	-19.50%	\$ 66,753
Marshal	78.44%	\$388,099	100.00%	-21.56%	\$ 494,803
Fire	73.51%	\$89,804	100.00%	-26.49%	\$ 122,172
Maintenance	102.76%	\$150,830	100.00%	2.76%	\$ 146,777
Exec./Legis.	46.57%	\$84,275	100.00%	-53.43%	\$ 180,962
Comm. Programs	56.46%	\$79,356	100.00%	-43.54%	\$ 140,558
Community Center/Plaza	96.75%	\$29,509	100.00%	-3.25%	\$ 30,500
Comm. Development	74.29%	\$36,412	100.00%	-25.71%	\$ 49,016
<b>General Fund</b>	<b>76.28%</b>	<b>\$1,199,222</b>	<b>100.00%</b>	<b>-23.72%</b>	<b>\$ 1,572,055</b>
Water	94.08%	\$285,396	100.00%	-5.92%	\$ 303,357
Wastewater	71.59%	\$163,656	100.00%	-28.41%	\$ 228,615
Solidwaste	58.65%	\$141,328	100.00%	-41.35%	\$ 240,964
<b>Enterprise Fund</b>	<b>71.39%</b>	<b>\$590,380</b>	<b>100.00%</b>	<b>-28.61%</b>	<b>\$ 826,936</b>



## EXPENDITURES



## EXPENDITURES VS BUDGET

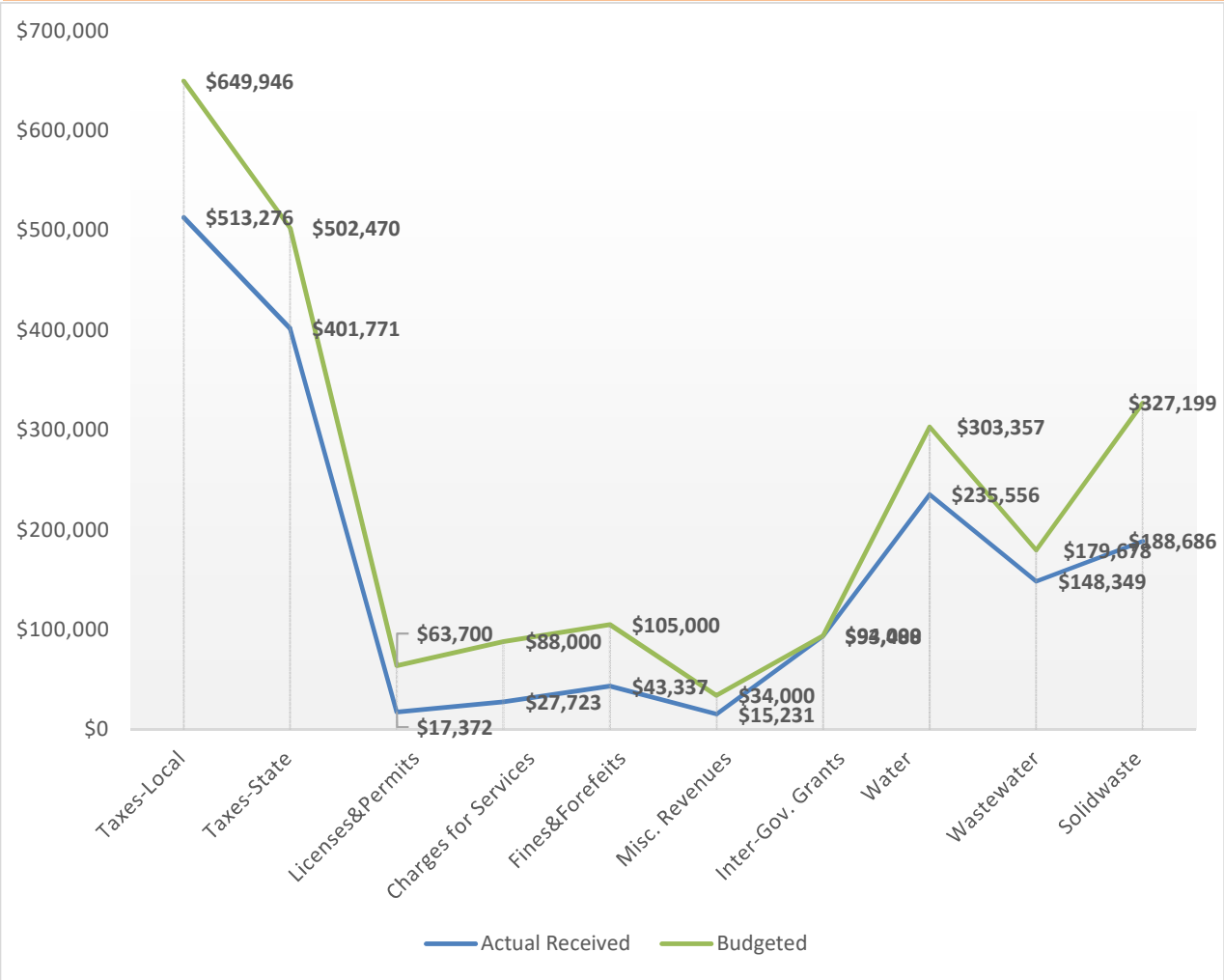


Please request the INCODE report for detail revenues and expenses by fund.

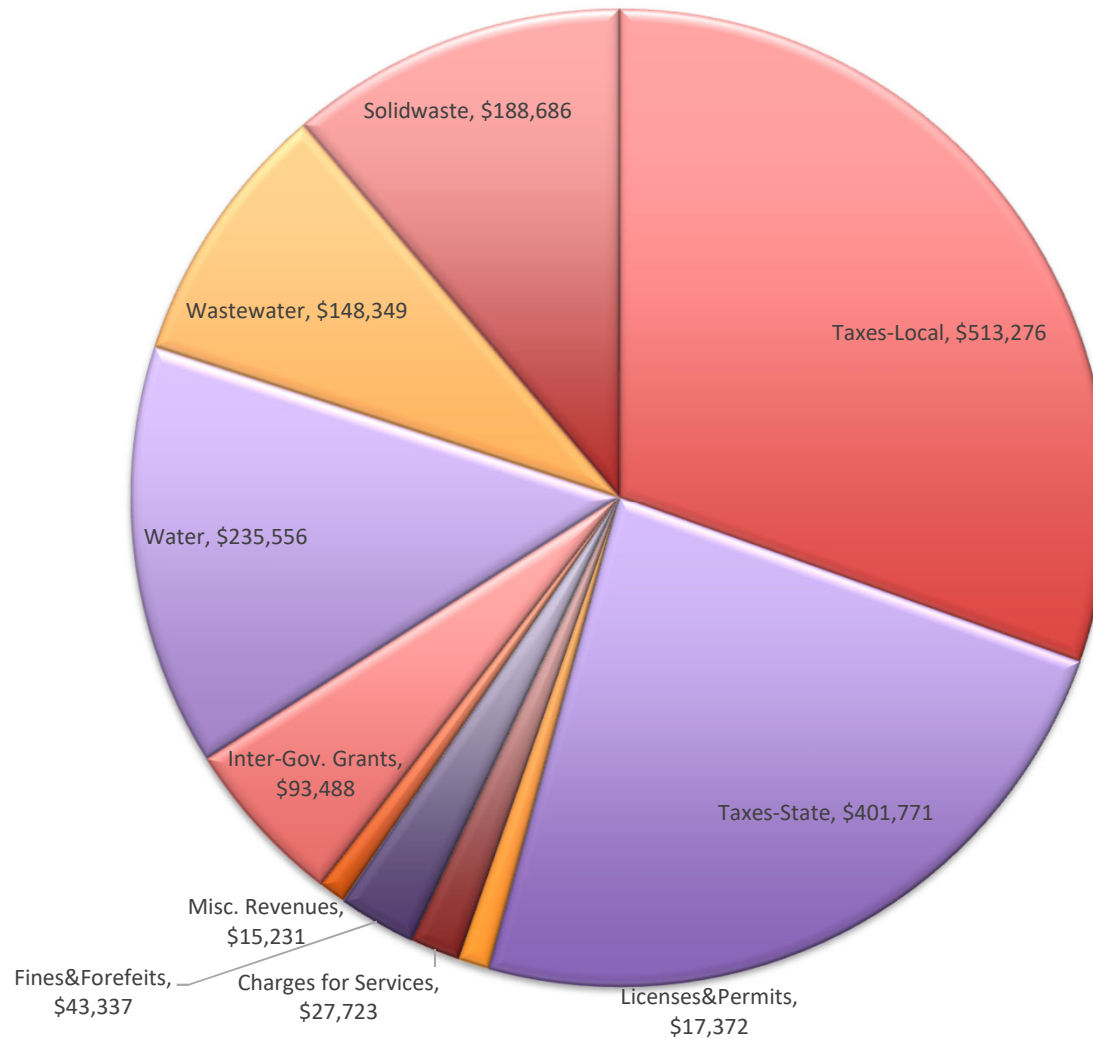
## REVENUE

YTD REVENUES	% Rec.	YTD Money \$	% Est.	YTD % over/under	AMOUNT BUDGETED
Taxes-Local	78.97%	\$513,276	100.00%	-21.03%	\$649,946
Taxes-State	79.96%	\$401,771	100.00%	-20.04%	\$502,470
Licenses&Permits	27.27%	\$17,372	100.00%	-72.73%	\$63,700
Charges for Service	31.50%	\$27,723	100.00%	-68.50%	\$88,000
Fines&Forefeits	41.27%	\$43,337	100.00%	-58.73%	\$105,000
Misc. Revenues	44.80%	\$15,231	100.00%	-55.20%	\$34,000
Inter-Gov. Grants	99.46%	\$93,488	100.00%	-0.54%	\$94,000
<b>General Fund</b>	<b>72.36%</b>	<b>\$1,112,198</b>	<b>100.00%</b>	<b>-27.64%</b>	<b>\$1,537,116</b>
Water	77.65%	\$235,556	100.00%	-22.35%	\$ 303,357
Wastewater	82.56%	\$148,349	100.00%	-17.44%	\$ 179,678
Solidwaste	57.67%	\$188,686	100.00%	-42.33%	\$ 327,199
<b>Enterprise Fund</b>	<b>70.67%</b>	<b>\$572,591</b>	<b>100.00%</b>	<b>-29.33%</b>	<b>\$810,234</b>

### REVENUE vs BUDGET

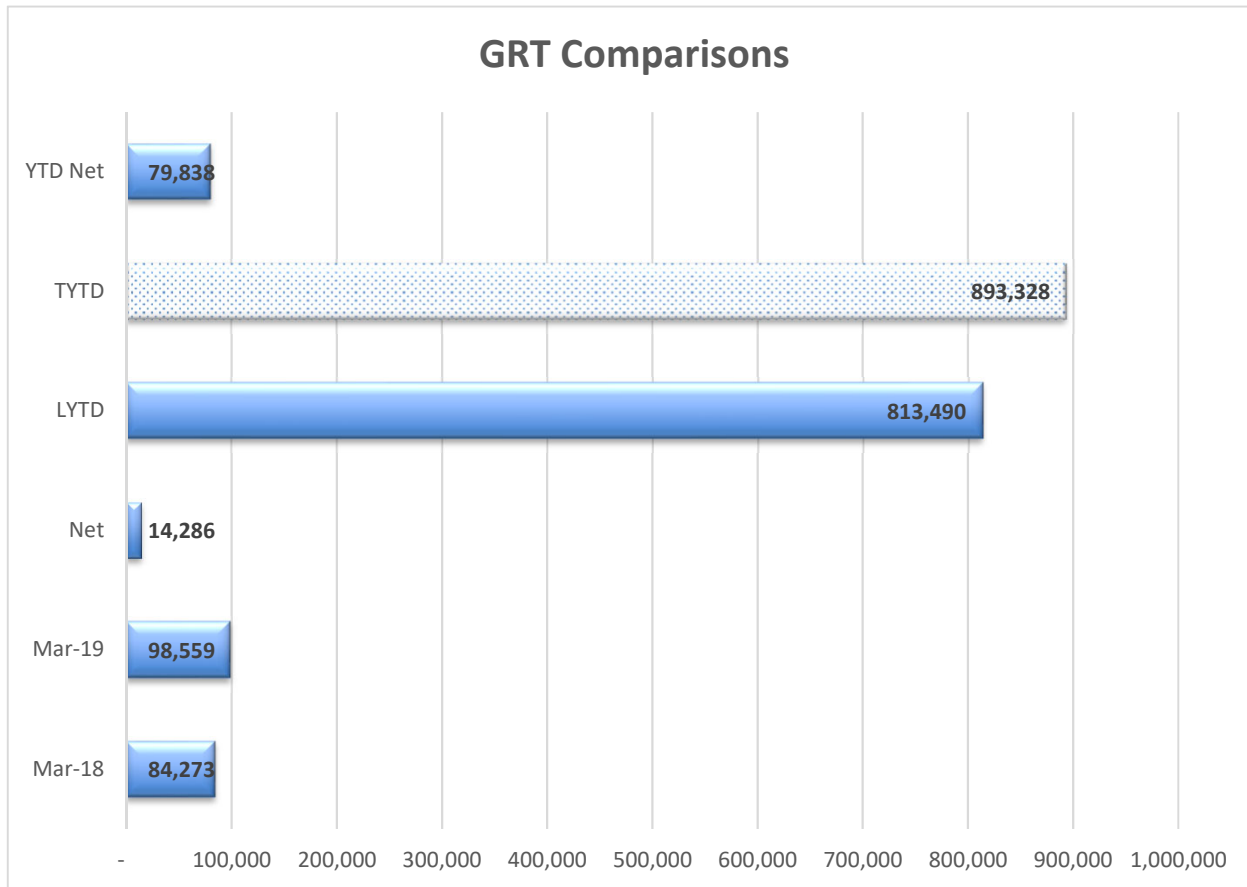


## YTD REVENUES



## GRT COMPARISONS

Mar-18	Mar-19	Net	LYTD	TYTD	YTD Net
84,273	98,559	14,286	813,490	893,328	79,838



### Business GRT in January 2019

Percentage by month	17%	Percentage over last FYTD	10%
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**TOWN OF MESILLA FIRE DEPARTMENT  
MONTHLY BOT REPORT**



**DATE:** March 2019

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**MAJOR ADDITIONS TO INVENTORY**

None

**MAINTENANCE OF EQUIPMENT**

Routine preventative maintenance of power tools. No repairs of vehicles were needed this month.

**COMMENTS**

The Department has partnered with the NMSU Fire Department to conduct multi-company trainings in the evenings when our volunteers can attend. Additionally we are preparing to present an MOA to the Mesilla BOT for use of the Dona Ana County Training Facility. This will give us additional opportunities to train with DAC fire districts in multi-company scenarios.

A selection process for new volunteers was conducted with 5 persons being considered for positions in the department. This group along with the candidates from February will attend a training academy slated for May of this year.

**SUBMITTED BY**

Fire Chief Kevin Hoban \_\_\_\_\_

# Mesilla Fire Department

Mesilla, NM

This report was generated on 4/3/2019 12:02:37 PM



## Incident Detail for Aid Given and Received for Incident Type Range for Date Range

Incident Type Range: 100 - 911 | StartDate: 03/01/2019 | EndDate: 03/31/2019

INCIDENT DATE	INCIDENT #	ADDRESS	INCIDENT TYPE	SHIFT
<b>AID TYPE: Automatic aid received</b>				
03/13/2019	2019-00080	W UNIVERSITY AVE	813 - Wind storm, tornado/hurricane assessment	31 - Mesilla Fire Main Station 31
03/17/2019	2019-00086	2670 CALLE DE PARIAN	611 - Dispatched & cancelled en route	31 - Mesilla Fire Main Station 31

Percentage of Total Incidents:

5.88%

<b>AID TYPE: Mutual aid given</b>				
03/01/2019	2019-00065	126 INTERSTATE 10	324 - Motor vehicle accident with no injuries.	31 - Mesilla Fire Main Station 31
03/02/2019	2019-00067	S FAIRACRES RD	142 - Brush or brush-and-grass mixture fire	31 - Mesilla Fire Main Station 31
03/16/2019	2019-00085	114 WATSON LN	111 - Building fire	31 - Mesilla Fire Main Station 31

Percentage of Total Incidents:

8.82%

Displays all incidents with aid given or received, and excludes incidents with neither. Percentages calculated from total number of incidents for parameters provided. Only REVIEWED incidents included.



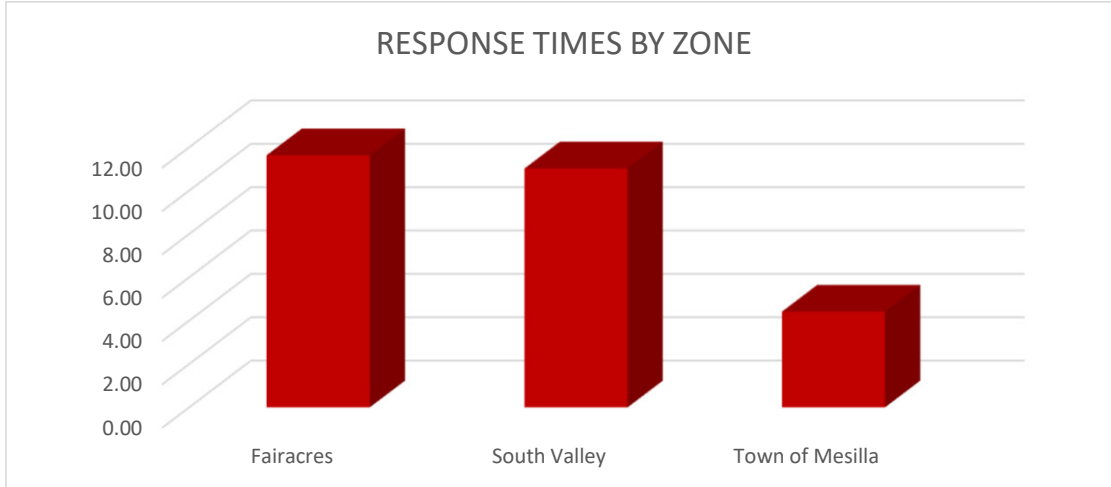
# Mesilla Fire Department

Mesilla, NM

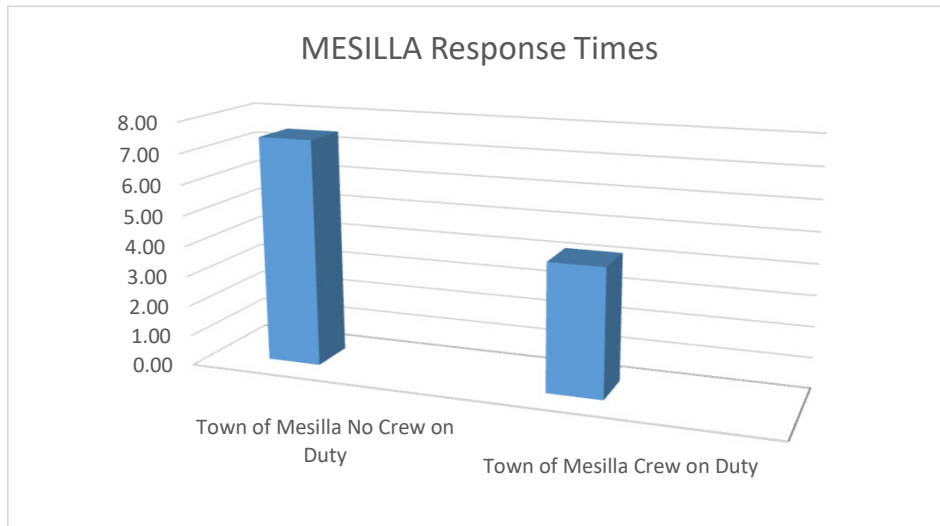
This report was generated on 04/03/2019



Response Mode: Lights and Sirens | Start Date: 03/01/2019 | End Date:03/31/2019



Zone	AVERAGE RESPONSE TIME (in minutes)
Fairacres	11.63
South Valley	11.02
Town of Mesilla	4.42
<b>Town of Mesilla No Crew on Duty</b>	<b>7.43</b>
<b>Town of Mesilla Crew on Duty</b>	<b>4.18</b>



Only REVIEWED incidents included. Response Time is Dispatched to Arrived.

# Mesilla Fire Department

Mesilla, NM

This report was generated on 4/3/2019 11:46:08 AM



## Incident Statistics

Start Date: 03/01/2019 | End Date: 03/31/2019

INCIDENT COUNT			
INCIDENT TYPE		# INCIDENTS	
EMS		19	
FIRE		15	
<b>TOTAL</b>		<b>34</b>	
TOTAL TRANSPORTS (N2 and N3)			
APPARATUS	# of APPARATUS TRANSPORTS	# of PATIENT TRANSPORTS	TOTAL # of PATIENT CONTACTS
Bat31	0	0	4
Br31	0	0	8
E31	0	0	1
SQ32	0	0	1
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>14</b>
PRE-INCIDENT VALUE		LOSSES	
<b>\$0.00</b>		<b>\$0.00</b>	
CO CHECKS			
<b>TOTAL</b>			
MUTUAL AID			
Aid Type		Total	
Aid Given		3	
Aid Received		2	
OVERLAPPING CALLS			
# OVERLAPPING		% OVERLAPPING	
0		NaN	
LIGHTS AND SIREN - AVERAGE RESPONSE TIME (Dispatch to Arrival)			
Station	EMS	FIRE	
Mesilla Fire Main Station 31	0:05:36	0:07:20	
<b>AVERAGE FOR ALL CALLS</b>		<b>0:06:08</b>	
LIGHTS AND SIREN - AVERAGE TURNOUT TIME (Dispatch to Enroute)			
Station	EMS	FIRE	
Mesilla Fire Main Station 31	0:01:26	0:00:50	
<b>AVERAGE FOR ALL CALLS</b>		<b>0:01:14</b>	
AGENCY	AVERAGE TIME ON SCENE (MM:SS)		
Mesilla Fire Department	39:57		

Only Reviewed Incidents included. CO Checks only includes Incident Types: 424, 736 and 734. # Apparatus Transports = # of incidents where apparatus transported. # Patient Transports = # of PCR with disposition "Treated, Transported by EMS". # Patient Contacts = # of PCR contacted by apparatus. This report now returns both NEMSIS 2 & 3 data as appropriate.

# Mesilla Fire Department

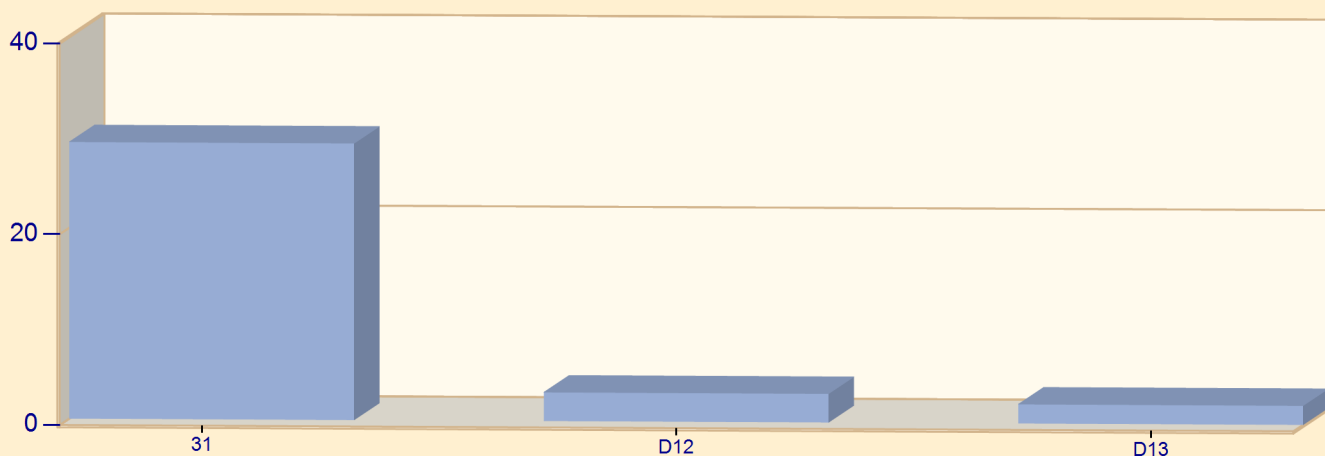
Mesilla, NM

This report was generated on 4/3/2019 11:58:51 AM



## Incident Type Count per Zone for Date Range

Start Date: 03/01/2019 | End Date: 03/31/2019



ZONES	INCIDENT TYPE	COUNT
<b>31 - Town of Mesilla</b>		
	300 - Rescue, EMS incident, other	1
	311 - Medical assist, assist EMS crew	2
	321 - EMS call, excluding vehicle accident with injury	12
	324 - Motor vehicle accident with no injuries.	1
	412 - Gas leak (natural gas or LPG)	3
	542 - Animal rescue	1
	551 - Assist police or other governmental agency	1
	553 - Public service	2
	561 - Unauthorized burning	2
	611 - Dispatched & cancelled en route	1
	710 - Malicious, mischievous false call, other	1
	813 - Wind storm, tornado/hurricane assessment	2
	<i>Total Incidents for 31 - Town of Mesilla:</i>	29
<b>D12 - Fairacres</b>		
	142 - Brush or brush-and-grass mixture fire	1
	321 - EMS call, excluding vehicle accident with injury	1
	324 - Motor vehicle accident with no injuries.	1
	<i>Total Incidents for D12 - Fairacres:</i>	3
<b>D13 - South Valley</b>		

Zone information is defined on the Basic Info 3 screen of an incident.  
Only REVIEWED incidents included.

ZONES	INCIDENT TYPE	COUNT
	111 - Building fire	1
	321 - EMS call, excluding vehicle accident with injury	1
	<i>Total Incidents for D13 - South Valley:</i>	2
<b>Total Count for all Zone:</b>		<b>34</b>

Zone information is defined on the Basic Info 3 screen of an incident.  
Only REVIEWED incidents included.

# Mesilla Fire Department

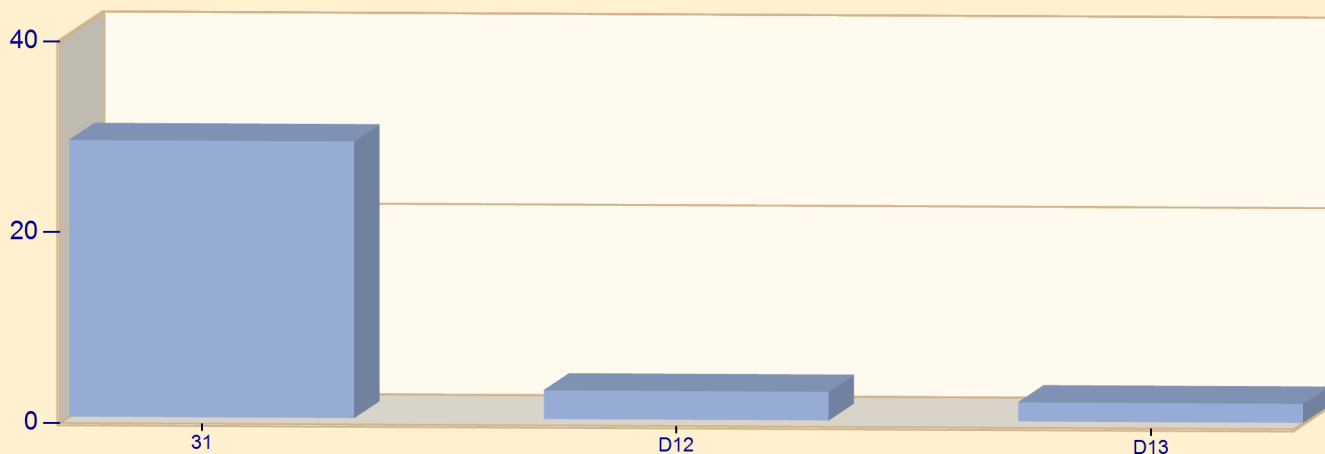
Mesilla, NM

This report was generated on 4/3/2019 11:58:51 AM



## Incident Type Count per Zone for Date Range

Start Date: 03/01/2019 | End Date: 03/31/2019



ZONES	INCIDENT TYPE	COUNT
<b>31 - Town of Mesilla</b>		
	300 - Rescue, EMS incident, other	1
	311 - Medical assist, assist EMS crew	2
	321 - EMS call, excluding vehicle accident with injury	12
	324 - Motor vehicle accident with no injuries.	1
	412 - Gas leak (natural gas or LPG)	3
	542 - Animal rescue	1
	551 - Assist police or other governmental agency	1
	553 - Public service	2
	561 - Unauthorized burning	2
	611 - Dispatched & cancelled en route	1
	710 - Malicious, mischievous false call, other	1
	813 - Wind storm, tornado/hurricane assessment	2
	<i>Total Incidents for 31 - Town of Mesilla:</i>	29
<b>D12 - Fairacres</b>		
	142 - Brush or brush-and-grass mixture fire	1
	321 - EMS call, excluding vehicle accident with injury	1
	324 - Motor vehicle accident with no injuries.	1
	<i>Total Incidents for D12 - Fairacres:</i>	3
<b>D13 - South Valley</b>		

Zone information is defined on the Basic Info 3 screen of an incident.  
Only REVIEWED incidents included.

ZONES	INCIDENT TYPE	COUNT
	111 - Building fire	1
	321 - EMS call, excluding vehicle accident with injury	1
	<i>Total Incidents for D13 - South Valley:</i>	2
<b>Total Count for all Zone:</b>		<b>34</b>

Zone information is defined on the Basic Info 3 screen of an incident.  
Only REVIEWED incidents included.

# Mesilla Fire Department

Mesilla, NM

This report was generated on 4/3/2019 11:50:45 AM



## Occupancies Inspected for Date Range

Start Date: 03/01/2019 | End Date: 03/31/2019

OCCUPANCY	ID	ADDRESS	ZONE	LAST INSPECTION
1st National Bank	001	1553 Avenida De Mesilla		03/07/2019
Andele Restaurant, LLC	101	1950 Calle Del Norte		03/07/2019
Andele Tortilleria	99	1950 Calle Del Norte		03/07/2019
Andele's Dog House	102	1983 Calle Del Norte		03/07/2019
andeles Fiesta place		1955 Calle del Norte #D		03/07/2019
El Patio Bar		2171 Calle de Parian		03/07/2019
Emerald Isle	84	1701 Mercado #2		03/21/2019
La Posta	139	2410 Calle De San Albino		03/07/2019
Leavitt Group Southwest Inc	0081	1740 Mercado #E		03/07/2019
Paisano Cafe	0080	1740 Calle De Mercado #C		03/07/2019
Pistoleros barber shop		1701 Calle de mercado #4		03/21/2019
Thai Delight	07	2184 Avenida De Mesilla		03/07/2019
Town of Mesilla Public Safety Building	116	2670 Calle de Parian		03/07/2019

**# of Occupancies Inspected: 13**

**% Occupancies Inspected: 6.34**

Included occupancies are those that have a LOCKED inspection on record for the date range provided.

# Mesilla Fire Department

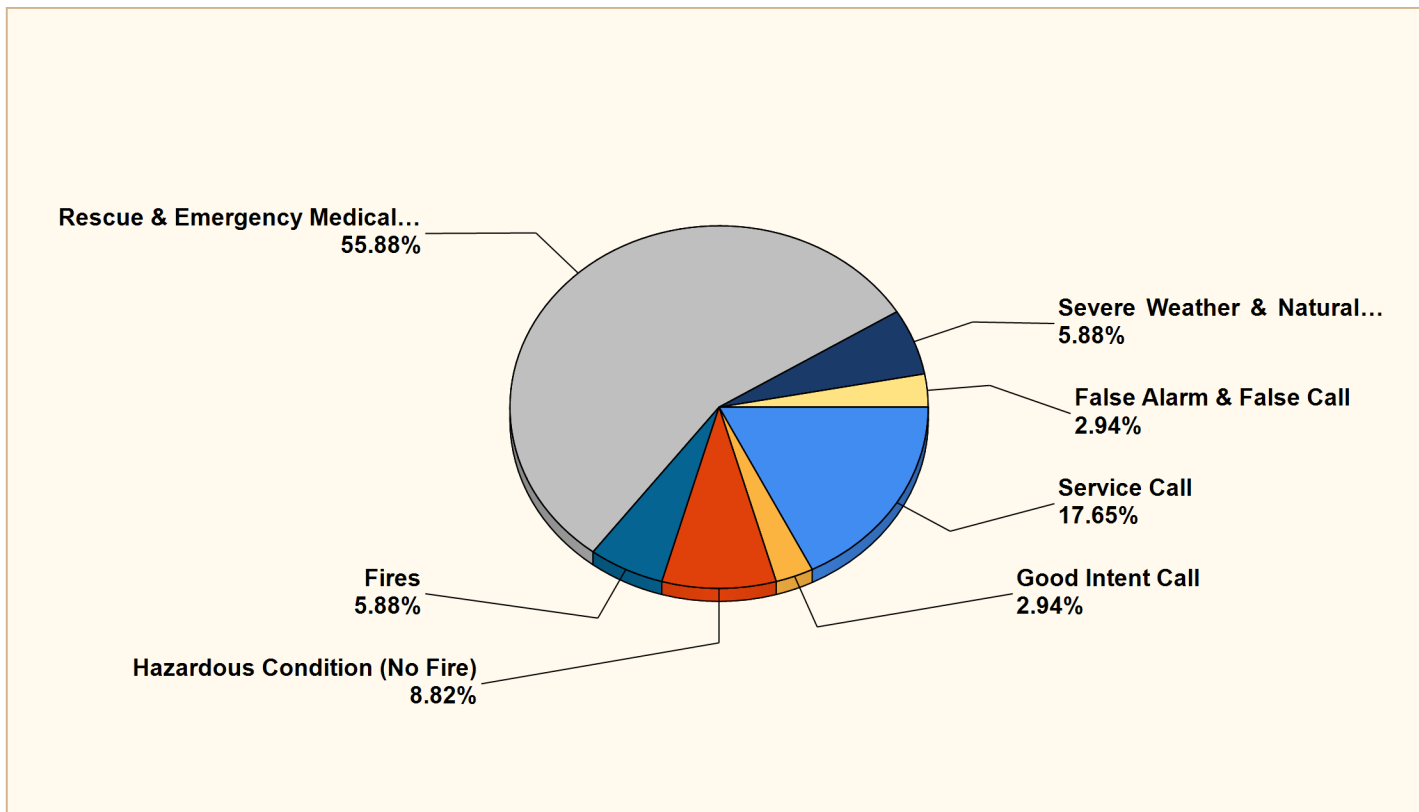
Mesilla, NM

This report was generated on 4/3/2019 11:52:12 AM



## Breakdown by Major Incident Types for Date Range

Zone(s): All Zones | Start Date: 03/01/2019 | End Date: 03/31/2019



MAJOR INCIDENT TYPE	# INCIDENTS	% of TOTAL
Fires	2	5.88%
Rescue & Emergency Medical Service	19	55.88%
Hazardous Condition (No Fire)	3	8.82%
Service Call	6	17.65%
Good Intent Call	1	2.94%
False Alarm & False Call	1	2.94%
Severe Weather & Natural Disaster	2	5.88%
<b>TOTAL</b>	<b>34</b>	<b>100.00%</b>

Only REVIEWED incidents included. Summary results for a major incident type are not displayed if the count is zero.



### Detailed Breakdown by Incident Type

INCIDENT TYPE	# INCIDENTS	% of TOTAL
111 - Building fire	1	2.94%
142 - Brush or brush-and-grass mixture fire	1	2.94%
300 - Rescue, EMS incident, other	1	2.94%
311 - Medical assist, assist EMS crew	2	5.88%
321 - EMS call, excluding vehicle accident with injury	14	41.18%
324 - Motor vehicle accident with no injuries.	2	5.88%
412 - Gas leak (natural gas or LPG)	3	8.82%
542 - Animal rescue	1	2.94%
551 - Assist police or other governmental agency	1	2.94%
553 - Public service	2	5.88%
561 - Unauthorized burning	2	5.88%
611 - Dispatched & cancelled en route	1	2.94%
710 - Malicious, mischievous false call, other	1	2.94%
813 - Wind storm, tornado/hurricane assessment	2	5.88%
<b>TOTAL INCIDENTS:</b>	<b>34</b>	<b>100.00%</b>

Only REVIEWED incidents included. Summary results for a major incident type are not displayed if the count is zero.

# Mesilla Fire Department

Mesilla, NM

This report was generated on 4/3/2019 11:44:37 AM



## Response Activity Report

Start Date: 03/01/2019 | End Date: 03/31/2019

INCIDENT #	DATE	ALARM TIME	ARRIVE TIME	RESPONSE TIME	ADDRESS
<b>111 - Building fire</b>					
2019-0000085	2019/03/16	22:30:18	23:04:15	00:33:57	114 WATSON LN
<b>Subtotal Count: 1</b>		<b>Average Response Time for Incident Type: 00:33:57</b>			
<b>142 - Brush or brush-and-grass mixture fire</b>					
2019-0000067	2019/03/02	16:22:11	16:33:54	00:11:43	S FAIRACRES RD
<b>Subtotal Count: 1</b>		<b>Average Response Time for Incident Type: 00:11:43</b>			
<b>300 - Rescue, EMS incident, other</b>					
2019-0000095	2019/03/22	19:59:48	20:03:02	00:03:14	2410 Calle de San Albino
<b>Subtotal Count: 1</b>		<b>Average Response Time for Incident Type: 00:03:14</b>			
<b>311 - Medical assist, assist EMS crew</b>					
2019-0000068	2019/03/03	10:08:57	10:17:56	00:08:59	408 BASON DR
2019-0000087	2019/03/17	22:52:31	23:05:06	00:12:35	2600 AVENIDA DE MESILLA
<b>Subtotal Count: 2</b>		<b>Average Response Time for Incident Type: 00:11:23</b>			
<b>321 - EMS call, excluding vehicle accident with injury</b>					
2019-0000066	2019/03/01	19:37:26	20:00:33	00:23:07	2290 BURKE RD
2019-0000070	2019/03/04	23:38:00	23:45:35	00:07:35	2714 CALLE CUARTA
2019-0000072	2019/03/07	11:35:26	11:47:59	00:12:33	1680 CALLE DE ALVAREZ
2019-0000075	2019/03/11	10:49:52	11:09:00	00:19:08	2231 AVENIDA DE MESILLA
2019-0000076	2019/03/12	08:25:27	08:33:02	00:07:35	1638 PAISANO RD
2019-0000077	2019/03/12	11:09:25	11:26:57	00:17:32	1500 W UNIVERSITY AVE
2019-0000078	2019/03/12	23:37:42	23:50:54	00:13:12	2491 CALLE DEL NORTE
2019-0000079	2019/03/13	13:25:31	13:29:35	00:04:04	1300 W UNIVERSITY AVE
2019-0000081	2019/03/14	11:13:49	11:26:05	00:12:16	1300 W UNIVERSITY AVE
2019-0000082	2019/03/14	14:46:18	14:50:04	00:03:46	2355 AVENIDA DE MESILLA
2019-0000089	2019/03/18	17:59:42	18:05:37	00:05:55	1300 W University AVE
2019-0000094	2019/03/22	16:07:16	16:13:45	00:06:29	2363 Calle del Sur
2019-0000096	2019/03/27	12:57:38	13:05:28	00:07:50	1680 Calle de Alvarez
2019-0000098	2019/03/31	00:24:58	00:43:01	00:18:03	3483 MESILLA DAM RD
<b>Subtotal Count: 14</b>		<b>Average Response Time for Incident Type: 00:10:39</b>			
<b>324 - Motor vehicle accident with no injuries.</b>					
2019-0000065	2019/03/01	11:48:21	12:10:37	00:22:16	126 INTERSTATE 10
2019-0000090	2019/03/19	20:13:41	20:30:45	00:17:04	S Fairacres RD
<b>Subtotal Count: 2</b>		<b>Average Response Time for Incident Type: 00:18:48</b>			
<b>412 - Gas leak (natural gas or LPG)</b>					
2019-0000083	2019/03/14	17:35:04	17:38:40	00:03:36	2355 CALLE DE PARIAN
2019-0000091	2019/03/20	23:23:12	23:31:36	00:08:24	2011 Avenida de Mesilla
2019-0000097	2019/03/27	19:47:55	19:55:18	00:07:23	2716 CALLE DE GUADALUPE
<b>Subtotal Count: 3</b>		<b>Average Response Time for Incident Type: 00:06:27</b>			

Calls by Incident Type. Does not include calls where there was no response.

542 - Animal rescue					
2019-0000074	2019/03/10	21:12:04	21:21:17	00:09:13	2138 CALLE DE SAN ALBINO
<b>Subtotal Count: 1</b>		<b>Average Response Time for Incident Type: 00:09:13</b>			
551 - Assist police or other governmental agency					
2019-0000069	2019/03/04	11:33:00	11:33:00	00:00:00	S Fairacres RD
<b>Subtotal Count: 1</b>		<b>Average Response Time for Incident Type: 00:00:00</b>			
553 - Public service					
2019-0000084	2019/03/16	09:17:36	09:40:17	00:22:41	2800 Calle de Guadalupe
2019-0000093	2019/03/22	12:18:34	12:18:34	00:00:00	Calle de Guadalupe
<b>Subtotal Count: 2</b>		<b>Average Response Time for Incident Type: 00:15:07</b>			
561 - Unauthorized burning					
2019-0000071	2019/03/06	10:09:56	10:09:56	00:00:00	2290 Camino Bodegas
2019-0000092	2019/03/22	10:09:36	10:09:36	00:00:00	2839 Calle del Sur
<b>Subtotal Count: 2</b>		<b>Average Response Time for Incident Type: 00:00:00</b>			
710 - Malicious, mischievous false call, other					
2019-0000088	2019/03/18	12:18:56	12:22:58	00:04:02	1300 W UNIVERSITY AVE
<b>Subtotal Count: 1</b>		<b>Average Response Time for Incident Type: 00:04:02</b>			
813 - Wind storm, tornado/hurricane assessment					
2019-0000073	2019/03/08	22:00:05	22:08:37	00:08:32	BOWMAN ST
2019-0000080	2019/03/13	17:25:29	17:34:29	00:09:00	W UNIVERSITY AVE
<b>Subtotal Count: 2</b>		<b>Average Response Time for Incident Type: 00:08:46</b>			
<b>Grand Total: 33</b>		<b>Average Response Time for All Incident Types: 00:10:40</b>			

Calls by Incident Type. Does not include calls where there was no response.

# Mesilla Fire Department

Mesilla, NM

This report was generated on 4/3/2019 11:48:57 AM



## Events per Event Type for Date Range (Landscape)

Start Date: 03/01/2019 | End Date: 03/31/2019

EVENT TYPE	DATE	EVENT NAME	CATEGORY	LOCATION	HOURS	PARTICIPANTS
<b>Daily Operations Shift</b>						
	03/02/2019	C shift	Shifts	House 31	12	Ariel Caro, Mateo Martinez, Joseph Torres
	03/03/2019	A Shift	Shifts	Mesilla Fire Department 31	18	Thomas Montoya, Nicolas Navarro, Dylan Thunhorst
	03/05/2019	C Shift	Shifts	House 31	20	Ariel Caro, Mateo Martinez, Joseph Torres
	03/06/2019	A Shift	Shifts	Mesilla Fire Station 31	17	Humberto Manriquez, Anthony Martinez Jr. , Thomas Montoya, Dylan Thunhorst, Lillian Villazon
	03/07/2019	B-Shift	Shifts	Fire house 31	13	Sonny Gomez, Phillip Guzman, Lorraine Lucero, Nicolas Navarro, Cavin Roberson
	03/08/2019	C shift	Shifts	house 31	12	Mateo Martinez, Joseph Torres
	03/09/2019	A Shift	Shifts	Mesilla Fire Station 31	24	Humberto Manriquez, Anthony Martinez Jr. , Thomas Montoya, Dylan Thunhorst
	03/10/2019	B Shift	Shifts	Station 31	10	Humberto Manriquez, Dylan Thunhorst
	03/10/2019	B-Shift	Shifts	Fire house 31	14	Sonny Gomez, Phillip Guzman, Mateo Martinez

Only LOCKED events included.

EVENT TYPE	DATE	EVENT NAME	CATEGORY	LOCATION	HOURS	PARTICIPANTS
	03/11/2019	C shift	Shifts	House 31	12	Ariel Caro, Mateo Martinez, Austin Oblack, Joseph Torres
	03/12/2019	A Shift	Shifts	Station 31	24	Humberto Manriquez, Anthony Martinez Jr. , Dylan Thunhorst
	03/14/2019	C shift	Shifts	House 31	12	Ariel Caro, Mateo Martinez, Austin Oblack
	03/15/2019	A Shift	Shifts	Mesilla Fire Station 31	24	Humberto Manriquez, Anthony Martinez Jr. , Thomas Montoya, Dylan Thunhorst
	03/17/2019	C Shift	Shifts	House 31.	17	Ariel Caro, Mateo Martinez, Joseph Torres
	03/18/2019	A Shift	Shifts	Station 31	18.5	Humberto Manriquez, Anthony Martinez Jr. , Thomas Montoya, Dylan Thunhorst, Lillian Villazon
	03/20/2019	C Shirt	Shifts	House 31	24	Sonny Gomez, Humberto Manriquez, Mateo Martinez, Austin Oblack
	03/21/2019	A Shift	Shifts	Mesilla Station 31	17	Humberto Manriquez, Anthony Martinez Jr. , Thomas Montoya, Nicolas Navarro, Dylan Thunhorst
	03/23/2019	C shift	Shifts	House 31	12	Ariel Caro, Mateo Martinez, Morgan Smith, Joseph Torres
	03/24/2019	A Shift	Shifts	Statoin 31	24	Humberto Manriquez, Anthony Martinez Jr. , Dylan Thunhorst, Lillian Villazon
	03/24/2019	A Shift	Shifts	Mesilla Station 31	17	Humberto Manriquez, Anthony Martinez Jr. , Dylan Thunhorst, Lillian Villazon
	03/25/2019	B-Shift	Shifts	Fire house 31	17	Phillip Guzman, Nicolas Navarro, Cavin Roberson

Only LOCKED events included.

EVENT TYPE	DATE	EVENT NAME	CATEGORY	LOCATION	HOURS	PARTICIPANTS
	03/27/2019	A Shift	Shifts	Fire House 31	24	Aaron Cruz, Humberto Manriquez, Anthony Martinez Jr. , Thomas Montoya, Morgan Smith, Dylan Thunhorst, Lillian Villazon
	03/29/2019	C shift	Shifts	House 31	19	Ariel Caro, Morgan Smith
	03/30/2019	A Shift	Shifts	Station 31	17	Anthony Martinez Jr. , Thomas Montoya, Nicolas Navarro, Dylan Thunhorst
	03/31/2019	B Shift	Shifts	Station 31	13	Nicolas Navarro, Dylan Thunhorst
	04/01/2019	C-shift	Shifts	House 31	14	Ariel Caro, Mateo Martinez

**Total Hours for Daily Operations Shift: 445.5**

Administration Shift						
	03/04/2019	B-Shift	Administrative	FIRE HOUSE 31	4	Phillip Guzman
	03/15/2019	B-Shift	Shifts	Fire House 31	3	Phillip Guzman

**Total Hours for Administration Shift: 7**

Prevention Division Shift						
	03/07/2019	inspections	Prevention Event	Mesilla	6.5	Andy Embury, Mateo Martinez, Dylan Thunhorst, Lillian Villazon, Gregory Whited
	03/14/2019	inspections	Prevention Event	mesilla	4	Morgan Smith, Dylan Thunhorst, Gregory Whited
	03/21/2019	inspoections	Prevention Event	mesilla	5	Ariel Caro, Dylan Thunhorst, Gregory Whited

**Total Hours for Prevention Division Shift: 15.5**

Explorer Division Shift						
	03/07/2019	Thur Training	Shifts	31 Main	3	Caleb Bricker, Jojo Lucero, Xavier Sanchez

**Total Hours for Explorer Division Shift: 3**

Only LOCKED events included.

EVENT TYPE	DATE	EVENT NAME	CATEGORY	LOCATION	HOURS	PARTICIPANTS
<b>Recruitment Event</b>						
	03/21/2019	New hire testing and interviews	New Employee Testing	mesilla	3	Ariel Caro, Crystal Davis-Whited, Phillip Guzman, Thomas Montoya, Gregory Whited
<b>Total Hours for Recruitment Event:</b>					<b>3</b>	
<b>24 hr Operations Shift</b>						
	03/22/2019	B Shift	Shifts	Station 31	24	Sonny Gomez, Nicolas Navarro, Dylan Thunhorst
<b>Total Hours for 24 hr Operations Shift:</b>					<b>24</b>	
<b>Evening Operations Shift</b>						
	03/28/2019	B-Shift	Shifts	Fire House 31	14	Phillip Guzman
<b>Total Hours for Evening Operations Shift:</b>					<b>14</b>	
<b>Special Assignment</b>						
	03/28/2019	B-Shift	Shifts	Mesilla Fire Dept.	10	Humberto Manriquez, Dylan Thunhorst, Lillian Villazon
<b>Total Hours for Special Assignment:</b>					<b>10</b>	

Only LOCKED events included.

# Mesilla Fire Department

Mesilla, NM

This report was generated on 4/3/2019 11:57:24 AM



## Count of Classes by Personnel by Class Category

Passed/Failed: Both Passed and Failed | Personnel: All Personnel | Start Date: 03/01/2019 | End Date: 03/31/2019

### ADC, Aspen

Class Category	Class Count	Total Class Hours
I.S.O. Fire Investigations	1	8:00
<b>Total for ADC, Aspen</b>	<b>1</b>	<b>8:00</b>

### Alberg, Kevin C

Class Category	Class Count	Total Class Hours
I.S.O. Fire Investigations	1	8:00
<b>Total for Alberg, Kevin C</b>	<b>1</b>	<b>8:00</b>

### Bricker, Caleb M

Class Category	Class Count	Total Class Hours
EMS Training	1	3:00
<b>Total for Bricker, Caleb M</b>	<b>1</b>	<b>3:00</b>

### Caro, Ariel M

Class Category	Class Count	Total Class Hours
EMS Training	1	1:00
I.S.O. Company Training	1	3:00
I.S.O. New Driver and Operator Training	1	2:00
I.S.O. Pre-Plan Review	1	2:00
Vehicle Extrication	1	3:00
<b>Total for Caro, Ariel M</b>	<b>5</b>	<b>11:00</b>

### Cruz, Aaron

Class Category	Class Count	Total Class Hours
I.S.O. Company Training	1	1:00
<b>Total for Cruz, Aaron</b>	<b>1</b>	<b>1:00</b>

### Davis-Whited, Crystal

Class Category	Class Count	Total Class Hours
EMS Training	1	3:00
I.S.O. Company Training	1	3:00
<b>Total for Davis-Whited, Crystal</b>	<b>2</b>	<b>6:00</b>

### Embury, Andy G.

Class Category	Class Count	Total Class Hours
EMS Training	1	3:00
<b>Total for Embury, Andy G.</b>	<b>1</b>	<b>3:00</b>

### Gomez, Sonny

Class Category	Class Count	Total Class Hours
EMS Training	1	3:00
Equipment Training	1	1:00
I.S.O. Company Training	1	3:00

This report lists a count of Classes completed by each Person, for each Class Category. Optionally filtered by Personnel and Passage or Failure. Time shown in Hours and Minutes

If "All Personnel" is selected, this report also includes non-agency Personnel.



<b>Total for Gomez, Sonny</b>	<b>3</b>	<b>7:00</b>
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**Guzman, Phillip**

Class Category	Class Count	Total Class Hours
EMS Training	1	3:00
I.S.O. Company Training	3	8:00
Vehicle Extrication	1	3:00
<b>Total for Guzman, Phillip</b>	<b>5</b>	<b>14:00</b>

**Hoban, Kevin M**

Class Category	Class Count	Total Class Hours
EMS	1	2:00
I.S.O. Company Training	1	3:00
<b>Total for Hoban, Kevin M</b>	<b>2</b>	<b>5:00</b>

**Lucero, Jojo**

Class Category	Class Count	Total Class Hours
EMS Training	1	3:00
<b>Total for Lucero, Jojo</b>	<b>1</b>	<b>3:00</b>

**Lucero, Lorraine**

Class Category	Class Count	Total Class Hours
EMS Training	1	3:00
<b>Total for Lucero, Lorraine</b>	<b>1</b>	<b>3:00</b>

**Manriquez, Humberto**

Class Category	Class Count	Total Class Hours
EMS Training	1	3:00
I.S.O. Company Training	4	8:00
I.S.O. Existing Driver and Operator Training	1	1:00
I.S.O. Officer Training	1	2:00
<b>Total for Manriquez, Humberto</b>	<b>7</b>	<b>14:00</b>

**Martinez Jr. , Anthony R**

Class Category	Class Count	Total Class Hours
I.S.O. Company Training	5	9:00
I.S.O. Existing Driver and Operator Training	1	1:00
<b>Total for Martinez Jr. , Anthony R</b>	<b>6</b>	<b>10:00</b>

**Martinez, Mateo**

Class Category	Class Count	Total Class Hours
EMS Training	2	4:00
Equipment Training	1	1:00
Firefighter 1 - Firefighter Tools and Equipment	1	1:00
I.S.O. Company Training	1	3:00
I.S.O. New Driver and Operator Training	1	2:00
I.S.O. Pre-Plan Review	1	2:00
<b>Total for Martinez, Mateo</b>	<b>7</b>	<b>13:00</b>

**Montoya, Thomas M**

Class Category	Class Count	Total Class Hours
EMS Training	1	3:00

This report lists a count of Classes completed by each Person, for each Class Category. Optionally filtered by Personnel and Passage or Failure. Time shown in Hours and Minutes

If "All Personnel" is selected, this report also includes non-agency Personnel.

I.S.O. Company Training	6	10:00
I.S.O. Existing Driver and Operator Training	1	1:00
<b>Total for Montoya, Thomas M</b>	<b>8</b>	<b>14:00</b>

**Navarro, Nicolas A**

Class Category	Class Count	Total Class Hours
EMS	1	2:00
EMS Training	1	3:00
I.S.O. Company Training	5	10:00
I.S.O. Existing Driver and Operator Training	1	1:00
<b>Total for Navarro, Nicolas A</b>	<b>8</b>	<b>16:00</b>

**Oblack, Austin E**

Class Category	Class Count	Total Class Hours
I.S.O. Pre-Plan Review	1	2:00
<b>Total for Oblack, Austin E</b>	<b>1</b>	<b>2:00</b>

**Roberson, Cavin C**

Class Category	Class Count	Total Class Hours
EMS Training	1	3:00
I.S.O. Company Training	1	2:00
<b>Total for Roberson, Cavin C</b>	<b>2</b>	<b>5:00</b>

**Sanchez, Xavier**

Class Category	Class Count	Total Class Hours
EMS Training	1	3:00
<b>Total for Sanchez, Xavier</b>	<b>1</b>	<b>3:00</b>

**Smith, Morgan Samantha**

Class Category	Class Count	Total Class Hours
I.S.O. Company Training	2	6:00
I.S.O. New Driver and Operator Training	1	2:00
I.S.O. Pre-Plan Review	1	2:00
<b>Total for Smith, Morgan Samantha</b>	<b>4</b>	<b>10:00</b>

**Thunhorst, Dylan P**

Class Category	Class Count	Total Class Hours
EMS	1	2:00
EMS Training	1	3:00
I.S.O. Company Training	6	10:00
I.S.O. Existing Driver and Operator Training	1	1:00
I.S.O. Officer Training	1	2:00
<b>Total for Thunhorst, Dylan P</b>	<b>10</b>	<b>18:00</b>

**Torres, Joseph J**

Class Category	Class Count	Total Class Hours
EMS Training	1	1:00
Firefighter 1 - Firefighter Tools and Equipment	1	1:00
I.S.O. New Driver and Operator Training	1	2:00
<b>Total for Torres, Joseph J</b>	<b>3</b>	<b>4:00</b>

**Villazon, Lillian M**

This report lists a count of Classes completed by each Person, for each Class Category. Optionally filtered by Personnel and Passage or Failure. Time shown in Hours and Minutes

If "All Personnel" is selected, this report also includes non-agency Personnel.

Class Category	Class Count	Total Class Hours
EMS Training	1	3:00
I.S.O. Company Training	3	5:00
I.S.O. Officer Training	1	2:00
<b>Total for Villazon, Lillian M</b>	<b>5</b>	<b>10:00</b>

**Whited, Gregory E**

Class Category	Class Count	Total Class Hours
EMS Training	1	3:00
I.S.O. Company Training	1	3:00
<b>Total for Whited, Gregory E</b>	<b>2</b>	<b>6:00</b>

**Willmann, Keenan**

Class Category	Class Count	Total Class Hours
I.S.O. Company Training	1	3:00
<b>Total for Willmann, Keenan</b>	<b>1</b>	<b>3:00</b>

This report lists a count of Classes completed by each Person, for each Class Category. Optionally filtered by Personnel and Passage or Failure. Time shown in Hours and Minutes

If "All Personnel" is selected, this report also includes non-agency Personnel.

# Mesilla Fire Department

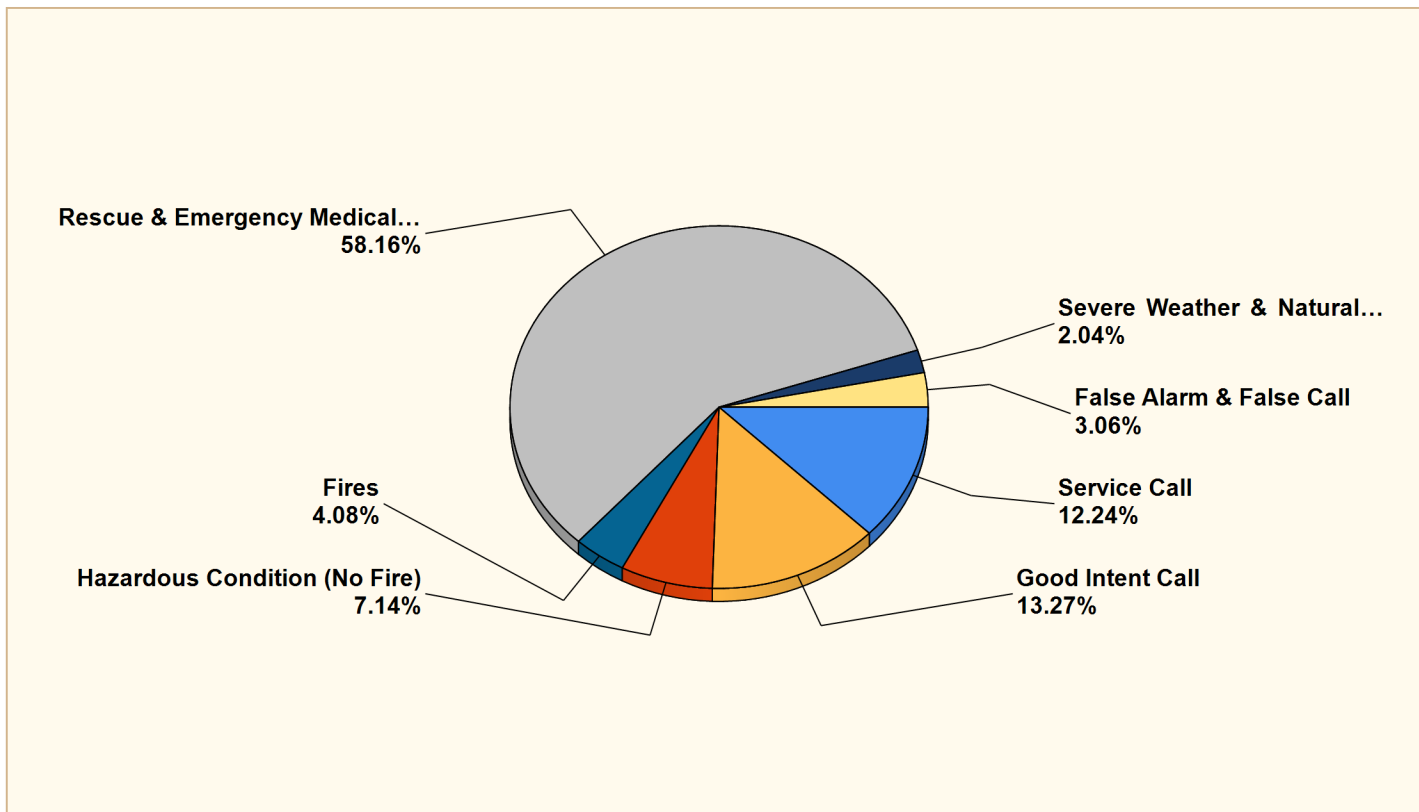
Mesilla, NM

This report was generated on 4/3/2019 11:53:09 AM



## Breakdown by Major Incident Types for Date Range

Zone(s): All Zones | Start Date: 01/01/2019 | End Date: 03/31/2019



MAJOR INCIDENT TYPE	# INCIDENTS	% of TOTAL
Fires	4	4.08%
Rescue & Emergency Medical Service	57	58.16%
Hazardous Condition (No Fire)	7	7.14%
Service Call	12	12.24%
Good Intent Call	13	13.27%
False Alarm & False Call	3	3.06%
Severe Weather & Natural Disaster	2	2.04%
<b>TOTAL</b>	<b>98</b>	<b>100.00%</b>

Only REVIEWED incidents included. Summary results for a major incident type are not displayed if the count is zero.

### Detailed Breakdown by Incident Type

INCIDENT TYPE	# INCIDENTS	% of TOTAL
111 - Building fire	1	1.02%
113 - Cooking fire, confined to container	1	1.02%
142 - Brush or brush-and-grass mixture fire	1	1.02%
143 - Grass fire	1	1.02%
300 - Rescue, EMS incident, other	1	1.02%
311 - Medical assist, assist EMS crew	5	5.10%
321 - EMS call, excluding vehicle accident with injury	41	41.84%
322 - Motor vehicle accident with injuries	2	2.04%
324 - Motor vehicle accident with no injuries.	5	5.10%
381 - Rescue or EMS standby	3	3.06%
412 - Gas leak (natural gas or LPG)	6	6.12%
461 - Building or structure weakened or collapsed	1	1.02%
511 - Lock-out	1	1.02%
542 - Animal rescue	1	1.02%
550 - Public service assistance, other	1	1.02%
551 - Assist police or other governmental agency	1	1.02%
552 - Police matter	1	1.02%
553 - Public service	2	2.04%
554 - Assist invalid	1	1.02%
561 - Unauthorized burning	4	4.08%
611 - Dispatched & cancelled en route	8	8.16%
631 - Authorized controlled burning	4	4.08%
671 - HazMat release investigation w/no HazMat	1	1.02%
710 - Malicious, mischievous false call, other	1	1.02%
736 - CO detector activation due to malfunction	1	1.02%
744 - Detector activation, no fire - unintentional	1	1.02%
813 - Wind storm, tornado/hurricane assessment	2	2.04%
<b>TOTAL INCIDENTS:</b>	<b>98</b>	<b>100.00%</b>

Only REVIEWED incidents included. Summary results for a major incident type are not displayed if the count is zero.



## MESILLA MARSHAL'S DEPARTMENT

P.O. BOX 10 MESILLA, NM 88046 PHONE 575-526-4138 FAX 575-652-3776

POLICE – ANIMAL CONTROL – EMERGENCY MANAGEMENT

MARSHAL K.C. ALBERG, CAS, FM, NMCEM

Date: April 3, 2019

To: Honorable Mayor and Mesilla Board of Trustees

This is the Monthly Report for March 2019 for the Mesilla Marshal's Department:

Citations – 79 Total; 50 Court Appearance, 21 Penalty Assessment; and, 8 Warnings:

Careless Driving – 0  
Concealing Identification – 0  
Current Registration – 3  
Crash – 3  
Driving on Shoulder – 0  
DWI – 0  
No Insurance – 18  
No Parking – 0  
No Passing – 0  
One Way Streets – 0  
Open Container – 0  
Possess Driver's License – 0  
Red Light – 0  
Seat Belt – 2  
Speeding – 43  
Stop Sign – 2  
Unlawful Use of Driver's License – 7  
Dimming of Lights – 0  
Two Headlamps Required – 1

Total Responses/Calls for Service/Reports –

Responses by sworn personnel:

911 Hang-up Calls – 7  
Abandoned Vehicle – 0  
Abdominal Pain – 0  
Agency Assist – 8  
Alarm, Burglary – 6  
Alarm, Carbon Monoxide – 1  
Alarm, Fire – 2

Responses by sworn personnel (continued):

Alarm, Hold Up – 1  
Alarm, Medical – 0  
Alarm, Panic – 0  
Animal Bite/Animal Attacks – 0  
Animal Care & Maintenance – 1  
Animal Control Call – 0  
Animal Cruelty – 0  
Animal in Custody – 1  
Animal, Dead – 0  
Animal Livestock Complaint – 0  
Animal Stray – 2  
Animal Vicious – 0  
Assault Report – 1  
ATV Complaint – 0  
Back Pain/Injury – 0  
Behavioral Issues – 1  
Be On the Lookout – 0  
Bleeding – 0  
Breathing Problems – 0  
Building Check – 1  
Burglary, Auto – 1  
Burglary in Progress – 0  
Burglary – 3  
Case Follow Up – 2  
Chest Pain – 0  
Child Abuse – 0  
Choking – 0  
Civil Dispute/Standby – 2  
Civil Process – 0  
Codes Enforcement – 1  
Codes Nuisance – 1  
Codes Parking – 0  
Computer Crimes – 0  
CPR Adult – 1  
CPR Child – 0  
Detention Center Release – 0  
Disturbance Disorderly – 2  
Disturbance Domestic – 8  
Disturbance Domestic in Progress – 0  
Disturbance Fight – 6  
Disturbance Noise/Music – 0  
Disturbance Unknown – 0  
Disturbance Verbal – 1  
Drunk/Intoxicated Subj – 0

Responses by sworn personnel (continued):

**DWI – 0**

Fall Victim/Back Injury – 2

Fever – 0

Fire Brush/Wildland – 0

Fire Structure Commercial – 0

Fire Structure Residential – 0

Fire Vehicle – 0

Foot Patrol – 0

Forgery/Fraud/Emb/Report – 0

Frequent Patrol – 2

Gas Leak – 1

Gas Odor – 2

**Gun – Shots Fired – 2**

**Gun – Subject with a gun – 0**

**Gunshot Victim – 0**

Harassment – 1

Injured Person – 1

Illegal Burn – 1

Illegal Dumping – 0

Information Report – 15

Illegally Parked Vehicle – 1

Kidnapping/Unlawful Custody – 0

Lift Assist – 0

Loud Party – 0

**Minor in Possession (Alc.)/Contributing – 1**

Missing Adult – 0

Missing Child – 0

Missing Person – 1

**Motor Vehicle Accident (MVA) Hit & Run – 4**

**MVA Non Injury – 2**

**MVA with Injury – 2**

**MVA with Injury Extra Response – 2**

**MVA Private Property – 1**

Narcotics/Illegal Drugs – 1

Obstruction – 0

Overdose – 0

Phone Call – 12

Poisoning/Ingestion – 0

Prisoner Transport – 0

Property Found – 2

Property Lost – 3

Property Recovered – 0

Prowler – 1

Public Assist – 1



Responses by sworn personnel (continued):

Rape – 0  
Reckless Driver – 4  
Repossession/Private Property Impound – 0  
Restraining Order Violation – 2  
Runaway – 1  
Seizures/Convulsions – 0  
Sick/Ill Person – 0  
Shoplifting – 0  
Stroke/CVA – 0  
Subject Contact/Busy – 0  
Suicide Attempt – 0  
Suicidal Subject – 2  
Supplement/Follow up – 3  
Suspicious Activity – 2  
Suspicious Person(s) – 3  
Suspicious Vehicle(s) – 2  
Theft Report – 0  
Threats – 1  
Traumatic Injuries – 0  
Trespassing – 2  
Traffic Stop – 116  
Traffic Complaint – 0  
Traffic Control – 1  
Traffic Escort – 1  
Unspecified Call Type – 0  
Unconscious/Fainting – 1  
Vagrancy – 1  
Vandalism/Graffiti – 0  
Warrant – 0  
Weapon(s) – 1  
Welfare Check – 3  
Wires Down – 0

Operation Stone Garden was **DISCONTINUED** as to overtime; however, its objectives remain supported and the equipment in use.



# TOWN OF MESILLA

Public Works Department

P.O. Box 10, Mesilla, New Mexico 88046

Office: (575) 524-3262

Fax: (575) 541-6327

## MEMORANDUM

Date: April 3, 2019

TO: Mayor Barraza, Board of Trustees and Cynthia Stoechner-Hernandez

FROM: Rodney J. McGillivray, Public Works Director 

RE: **Public Works Division Activity Report – March 2019**

### **On-going maintenance, custodial and operations:**

Utility location services are being provided  
Monthly water sampling and reporting is up-to-date  
Monitoring of water tank, wells and pumps  
Monitoring of lift stations and review of reporting  
Meter reading continues  
New water services and water shut-offs continue (ownership change/nonpayment)  
Custodial responsibilities on-going  
Grounds maintenance on-going  
Event set-up and tear down on-going  
On-call/standby needs for emergency repairs or assistance

### **Miscellaneous items/work orders/accomplishments:**

Street and sidewalk cleaning  
Weed eradication  
Filling potholes (street repairs)  
Tree and stump removal at Plaza and Commemorative Park  
Emergency tree removal(s) University and Bowman  
Community Center roof warranty repairs underway  
Park irrigation repairs and watering  
Pump replacement at Raasaf Hills  
Irrigation repairs at Avenida de Mesilla median

**Project update:**

McDowell wastewater project – Project started on March 25<sup>th</sup>. Connection to the City of Las Cruces manhole at University in the DOT right-of-way is complete.. Section of piping from University to the EBID ditch is complete. Project is scheduled for completion first week of May.

Bowman pavement upgrade – Drawings are 75% complete. Specifications are complete. Collaboration with City of Las Cruces is underway for replacement of water line. Project will potentially be advertised on the second week of May with anticipated construction to begin end of June.

Calle de Parian replacement – Bid opening on March 28, 2019. A. Mountain Construction is low bidder at \$94,728.10. Submitted for BOT approval. Project to be awarded and scheduled to begin second week of May.

Trail – Design is 90% complete. Utility certifications underway. Design is anticipated to be complete week of May 8<sup>th</sup>. DOT review on May 22<sup>nd</sup> with final revisions thereafter. Project is anticipated to advertise in June.

Picacho drainage engineering project – Engineer interviews complete. Molzen Corbin selected. NMED concurred with selection. Fee negotiation underway.

NMED Violation – Draft of Emergency response plan and O & M manual is in the process of being reviewed. Bids for tank inspection and cleaning is underway with an estimated timeframe in May-June 2019.

PRV replacement at Raasaf Hills – Contracted with Ducross for insertion valves. Tentatively scheduled for April 10, 2019 JCH work to resume shortly thereafter.

2019/2020 LGRF – Received funding approval of \$67,531.00 (\$16,883.00 TOM match).



**RESOLUTION 2019-05**

**ACCEPTANCE AND APPROVAL OF THE FY 2018 AUDIT**

**WHEREAS**, the Town of Mesilla is required by statute to contract with an independent auditor to perform the required annual audit or agreed upon procedures for Fiscal Year 2018; and,

**WHEREAS**, the Town of Mesilla has directed the accomplishment of the audit for FY 2018 be completed; and,

**WHEREAS**, this audit has been completed and presented to the Town of Mesilla per the February 20, 2019 Letter from the Statue Auditor authorizing release of the FY 2018 audit.

**WHEREAS**, NMAC 2.2.2.10 (M) (4) provides in pertinent part that “Once the audit report is officially released to the agency by the state auditor (by a release letter) and the required waiting period of five calendar days has passed, unless waived by the agency in writing, the audit report shall be presented by the IPA, to a quorum of the governing authority of the agency at a meeting held in accordance with the Open Meetings Act, if applicable;” and,

**NOW THEREFORE, BE IT RESOLVED**, that the Town of Mesilla does hereby accept and approve the completed audit report as indicated within this document.

**ACCEPTED AND APPROVED** this 8th day of April 2019 in regular session by the Town of Mesilla, at Town of Mesilla, Dona Ana County, New Mexico.

**TOWN OF MESILLA**

\_\_\_\_\_  
NORA L. BARRAZA  
MAYOR

ATTEST BY:

\_\_\_\_\_  
CYNTHIA STOEHNER-HERNANDEZ  
CLERK/TREASURER

<b>ROLL CALL VOTE:</b>	<b>Y/N</b>
MAYOR BARRAZA	_____
MAYOR PRO-TEM JOHNSON-BURICK	_____
TRUSTEE CARO	_____
TRUSTEE ARZABAL	_____
TRUSTEE GARCIA	_____