

Professional Engineer Seal

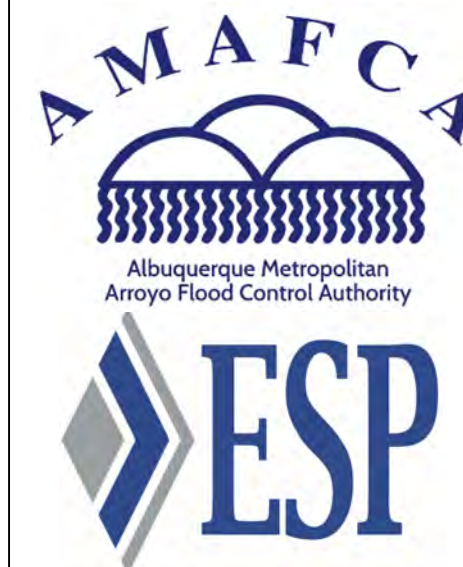
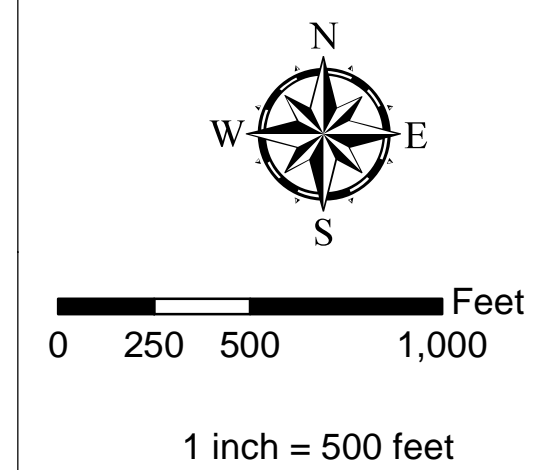


Notes:

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4. Easements shown herein were provided as supplemental data within the survey dataset.

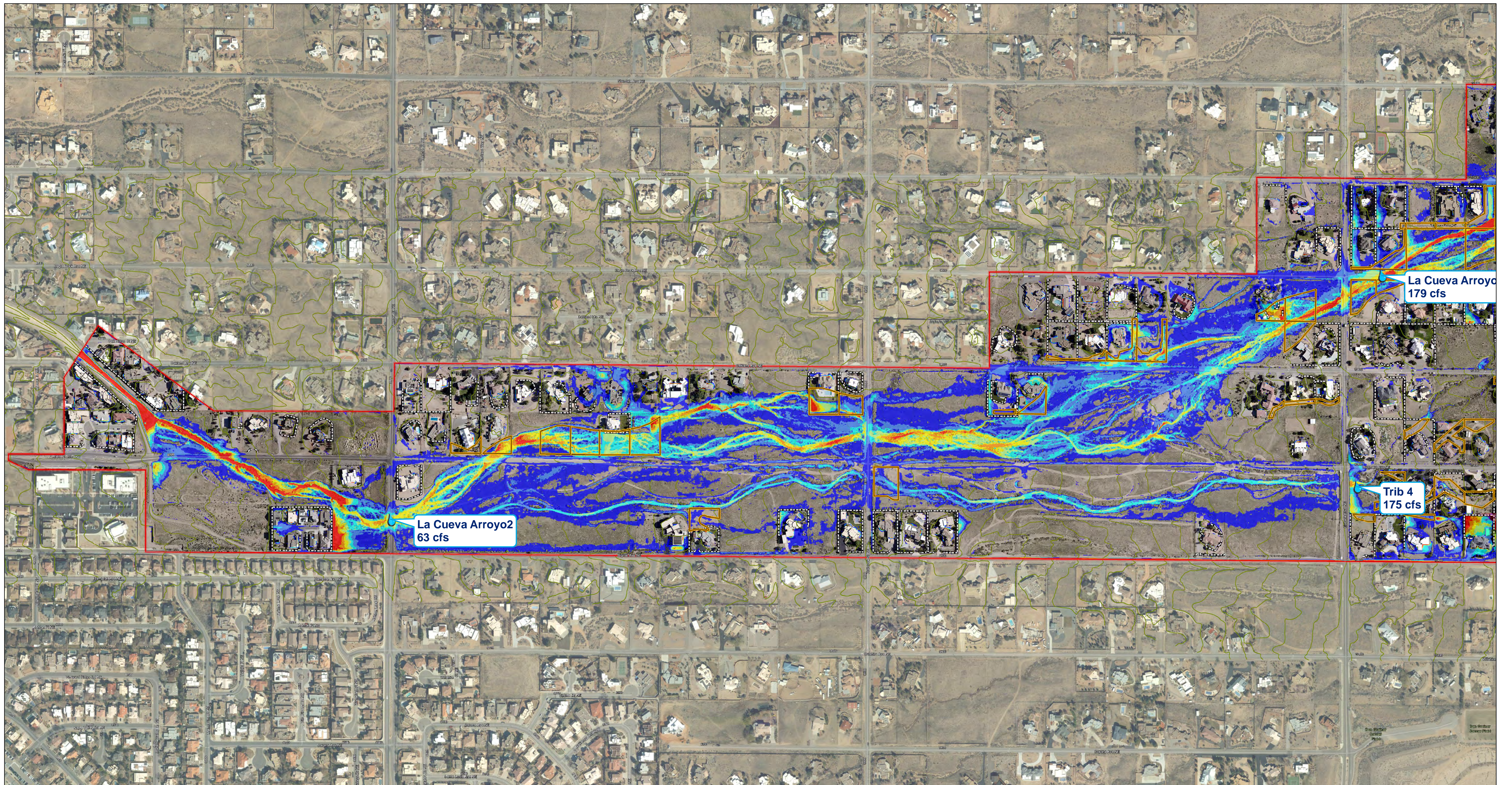
Legend

- | | | | |
|--------------------|-----------|------------------|-------------------------------|
| Depths (ft) | 1.5 - 2.0 | Inflow Locations | AMAFCA Easements |
| 0.0 - 0.5 | 2.0 - 2.5 | Modeling Extents | Mosaicked Terrain 5' Contours |
| 0.5 - 1.0 | 2.5 - 3.0 | Modeled Walls | |
| 1.0 - 1.5 | > 3.0 | | |



**Exhibit 1:
Modeling Depths
- 100 yr Flood
With Walls**

Date: March 9, 2023



Professional Engineer Seal

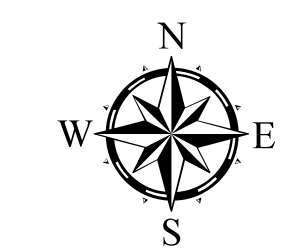


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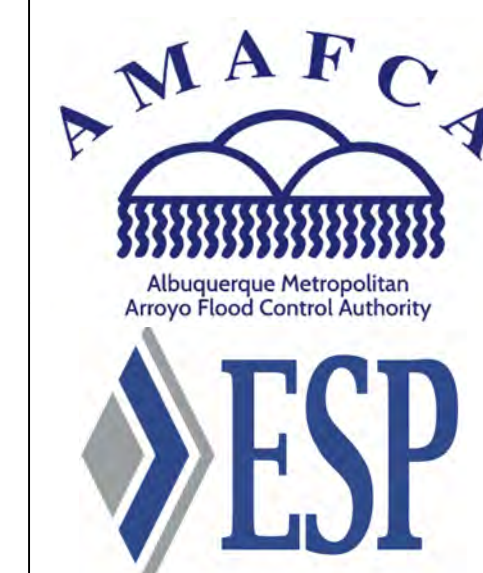
Legend

- | | | | |
|--------------------|-----------|------------------|-------------------------------|
| Depths (ft) | 1.5 - 2.0 | Inflow Locations | AMAFCA Easements |
| 0.0 - 0.5 | 2.0 - 2.5 | Modeling Extents | Mosaicked Terrain 5' Contours |
| 0.5 - 1.0 | 2.5 - 3.0 | Modeled Walls | |
| 1.0 - 1.5 | > 3.0 | | |



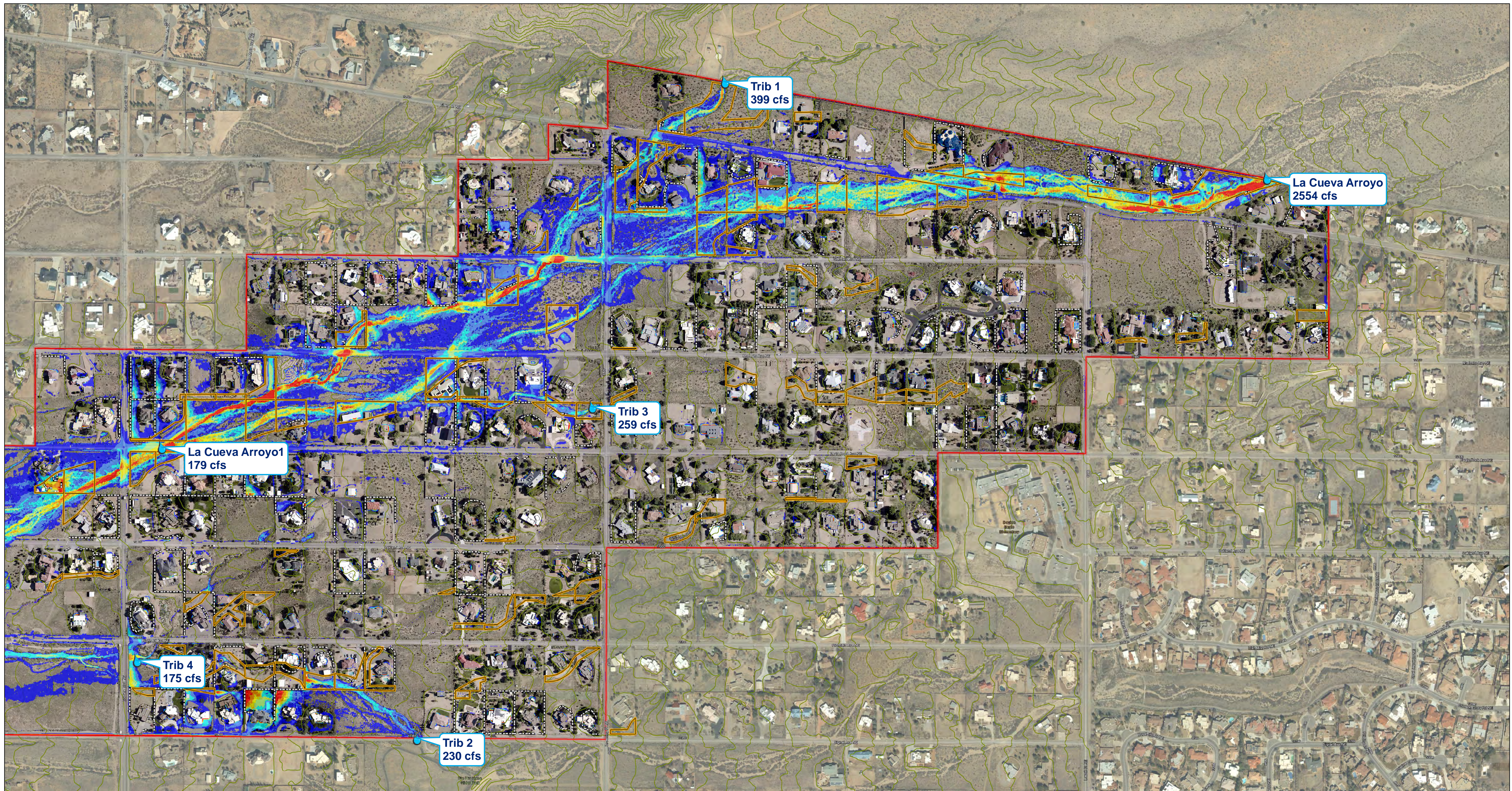
0 125 250 500 Feet

1 inch = 250 feet



**Exhibit 1A:
Modeling Depths
- 100 yr Flood
With Walls**

Date: March 9, 2023



Professional Engineer Seal

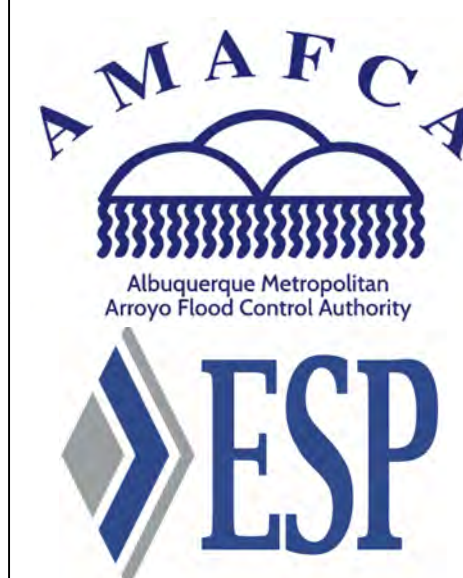
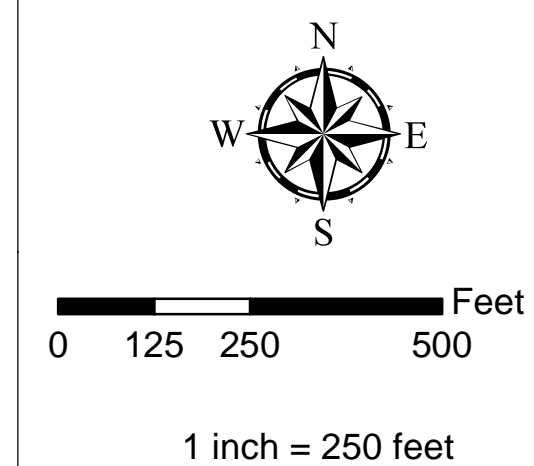


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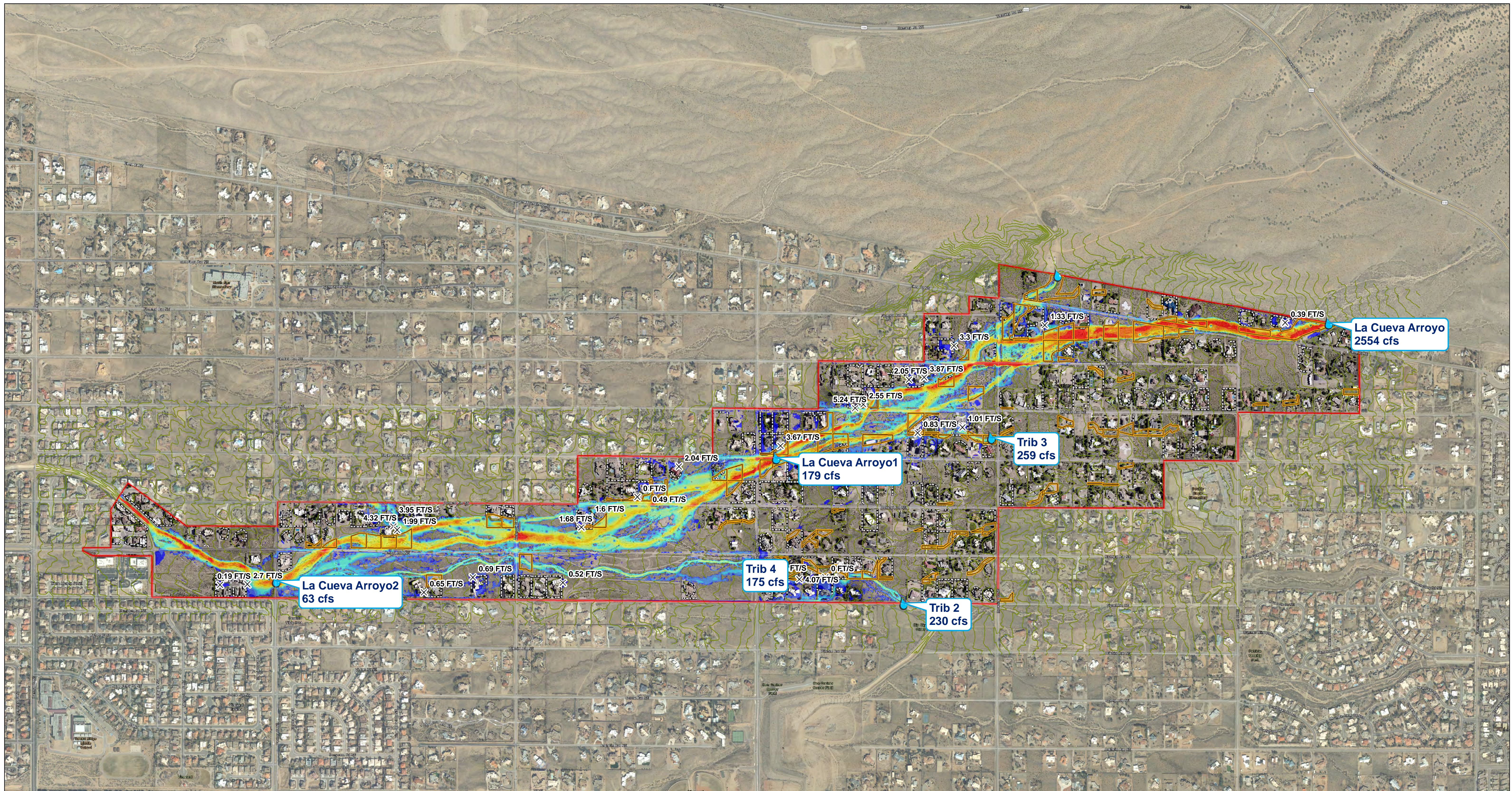
Legend

| | | | |
|--------------------|-----------|------------------|-------------------------------|
| Depths (ft) | 1.5 - 2.0 | Inflow Locations | AMAFCA Easements |
| 0.0 - 0.5 | 2.0 - 2.5 | Modeling Extents | Mosaicked Terrain 5' Contours |
| 0.5 - 1.0 | 2.5 - 3.0 | Modeled Walls | |
| 1.0 - 1.5 | > 3.0 | | |



**Exhibit 1B:
Modeling Depths
- 100 yr Flood
With Walls**

Date: March 9, 2023



Professional Engineer Seal



Notes:

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4. Easements shown herein were provided as supplemental data within the survey dataset.

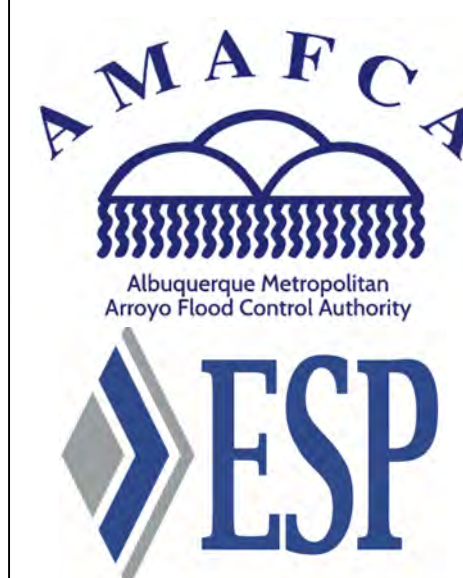
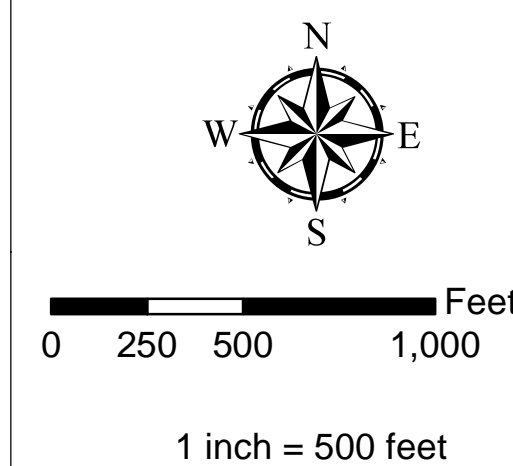
Legend

Velocities (ft/s)

- | | | |
|-----------|-----------|-------------|
| 0.0 - 1.0 | 4.0 - 5.0 | 8.0 - 9.0 |
| 1.0 - 2.0 | 5.0 - 6.0 | 9.0 - 10.0 |
| 2.0 - 3.0 | 6.0 - 7.0 | 10.0 - 11.0 |
| | 7.0 - 8.0 | 11.0 + |

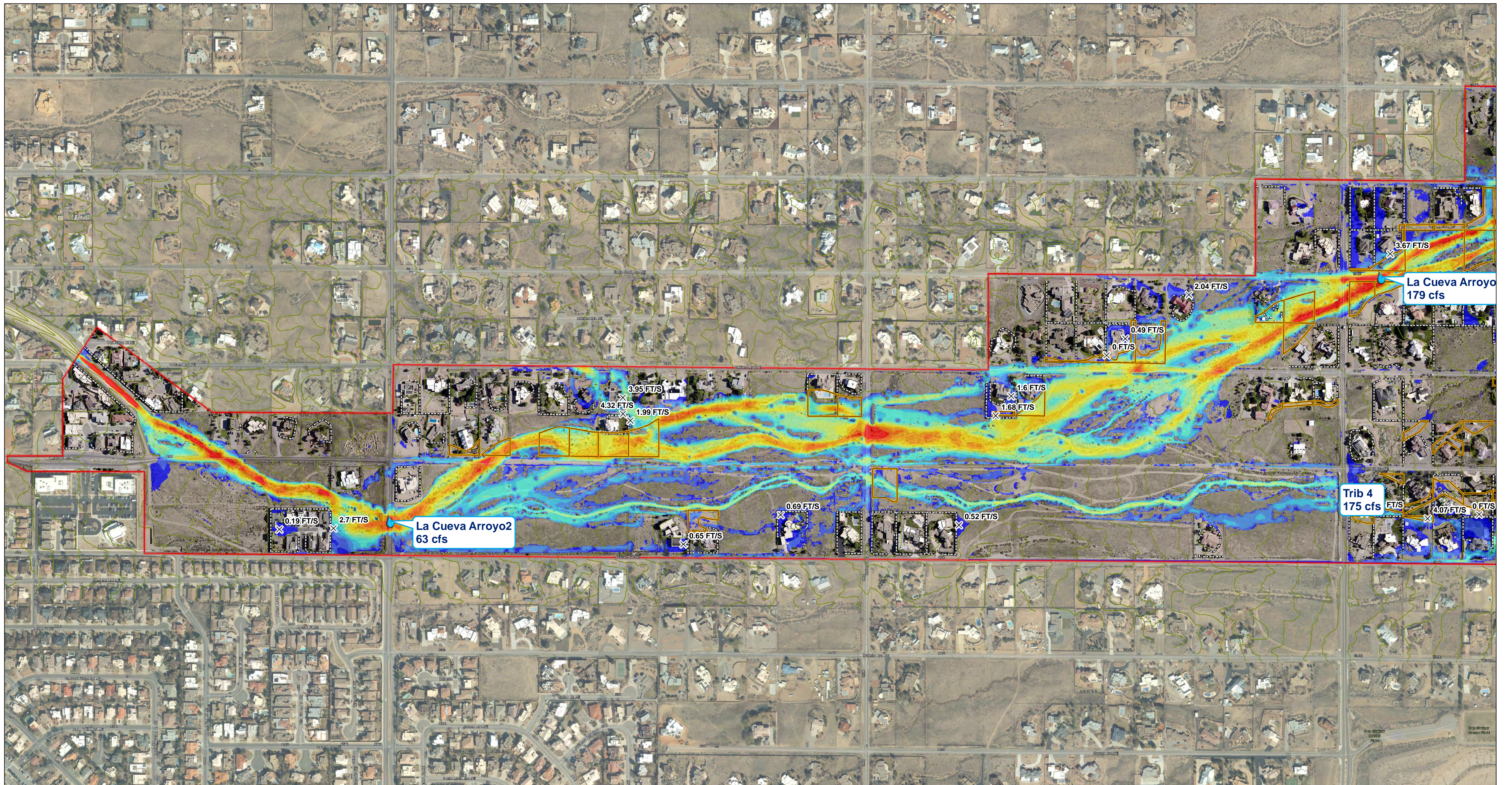
- Inflow Locations
- Modeling Extents
- Velocity Interrogation Points

- AMAFCA Easements
- Modeled Walls
- Mosaicked Terrain 5' Contours



**Exhibit 2:
Modeling Velocities
- 100 yr Flood
With Walls**

Date: March 9, 2023



Professional Engineer Seal



Notes:

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4. Easements shown herein were provided as supplemental data within the survey dataset.

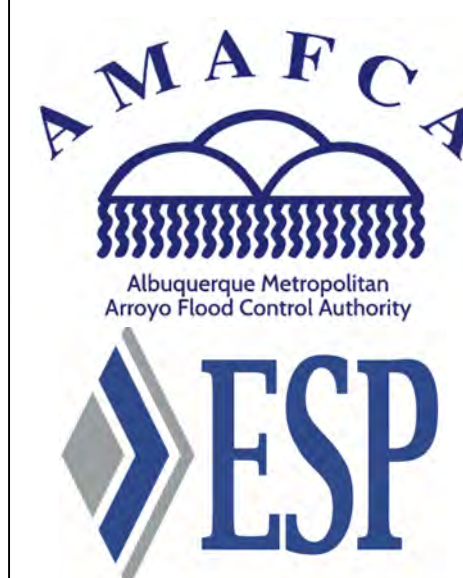
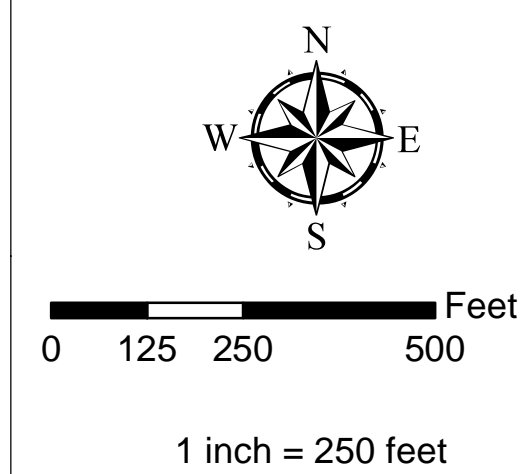
Legend

Velocities (ft/s)

| | | | | | |
|--|-----------|--|-----------|--|-------------|
| | 0.0 - 1.0 | | 3.0 - 4.0 | | 8.0 - 9.0 |
| | 1.0 - 2.0 | | 4.0 - 5.0 | | 9.0 - 10.0 |
| | 2.0 - 3.0 | | 5.0 - 6.0 | | 10.0 - 11.0 |
| | | | 6.0 - 7.0 | | 11.0 + |
| | | | 7.0 - 8.0 | | |

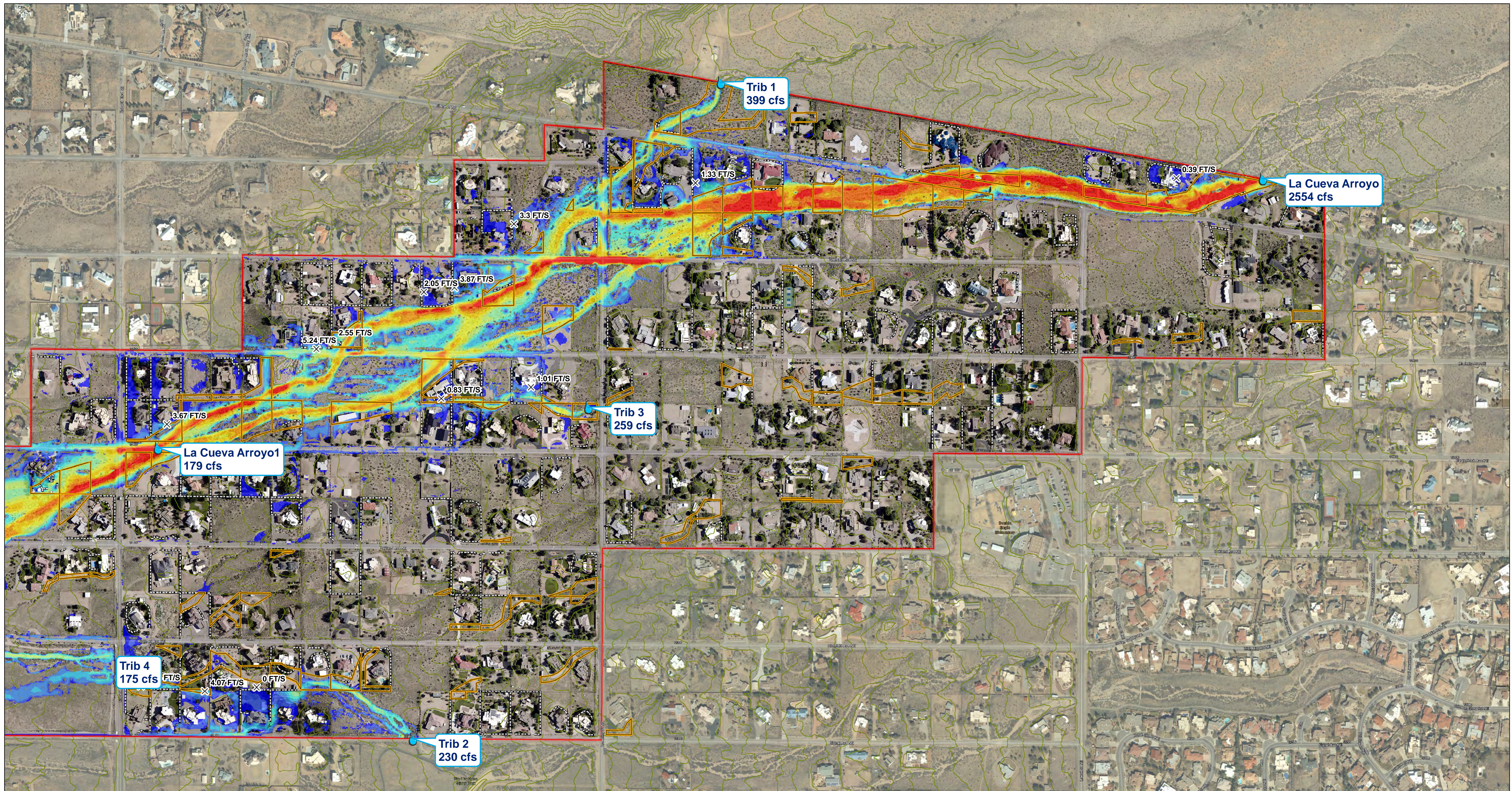
- Inflow Locations
- Modeling Extents
- Velocity Interrogation Points

- AMAFCA Easements
- Modeled Walls
- Mosaicked Terrain 5' Contours



**Exhibit 2A:
Modeling Velocities
- 100 yr Flood
With Walls**

Date: March 9, 2023



Professional Engineer Seal



Notes:

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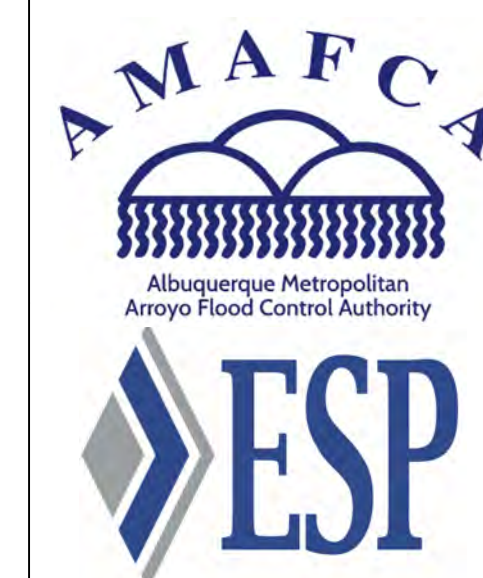
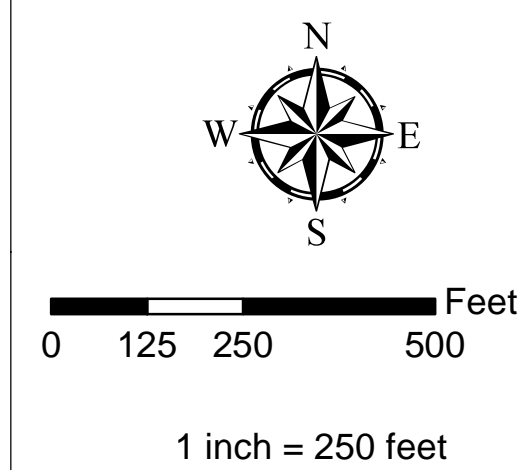
Legend

Velocities (ft/s)

| | | | |
|--|-----------|--|-------------|
| | 0.0 - 1.0 | | 8.0 - 9.0 |
| | 1.0 - 2.0 | | 9.0 - 10.0 |
| | 2.0 - 3.0 | | 10.0 - 11.0 |
| | 3.0 - 4.0 | | 11.0 + |
| | 4.0 - 5.0 | | |
| | 5.0 - 6.0 | | |
| | 6.0 - 7.0 | | |
| | 7.0 - 8.0 | | |

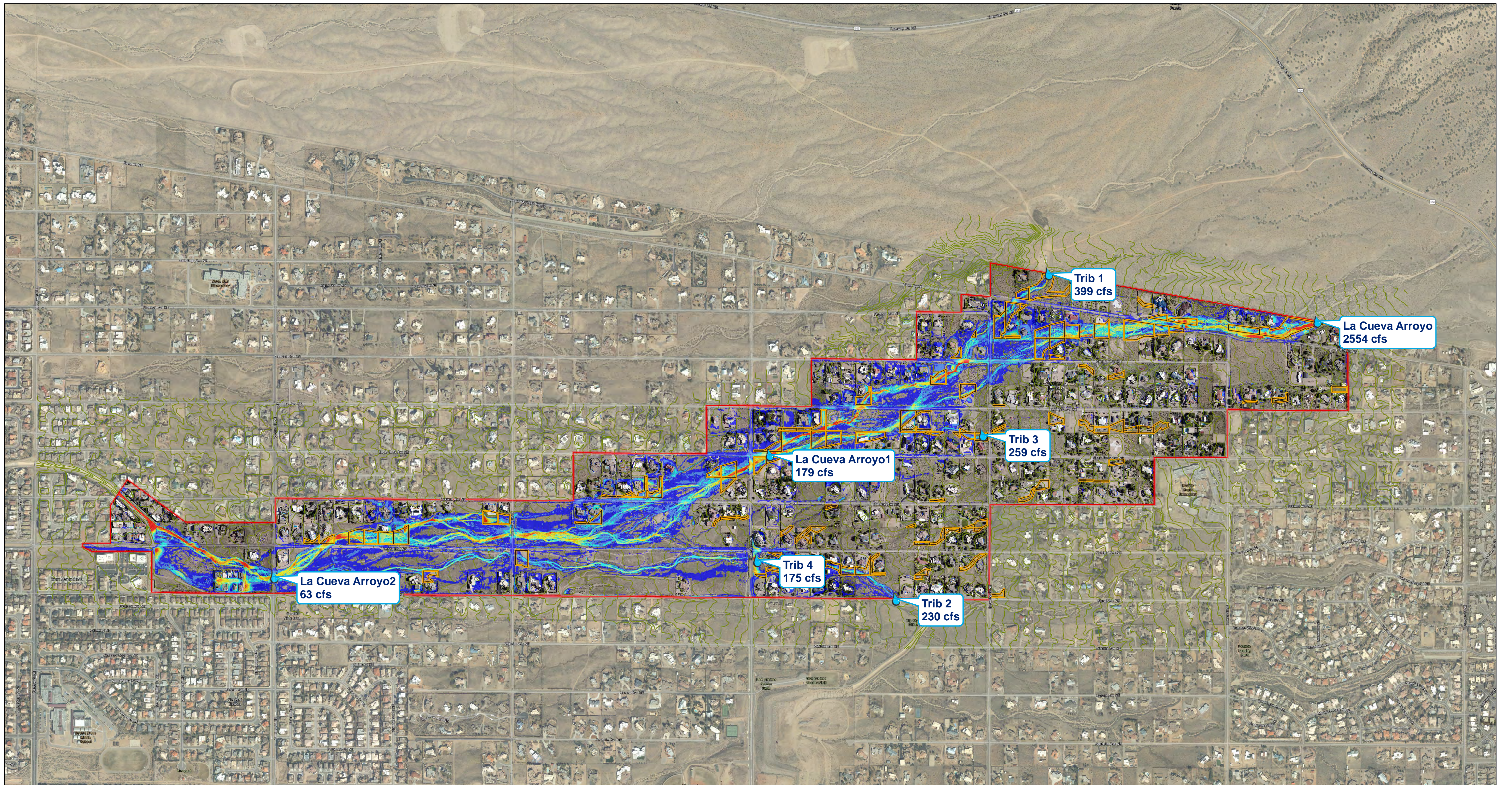
- Inflow Locations
- Modeling Extents
- Velocity Interrogation Points

- AMAFCA Easements
- Modeled Walls
- Mosaicked Terrain 5' Contours



**Exhibit 2B:
Modeling Velocities
- 100 yr Flood
With Walls**

Date: March 9, 2023



Professional Engineer Seal

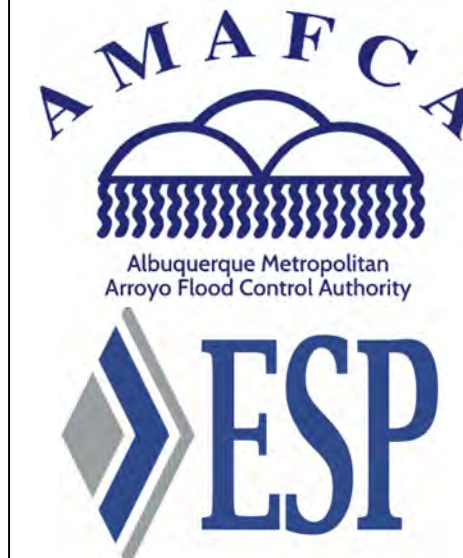
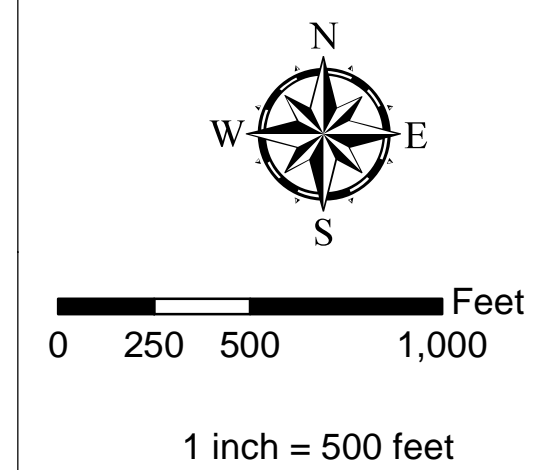


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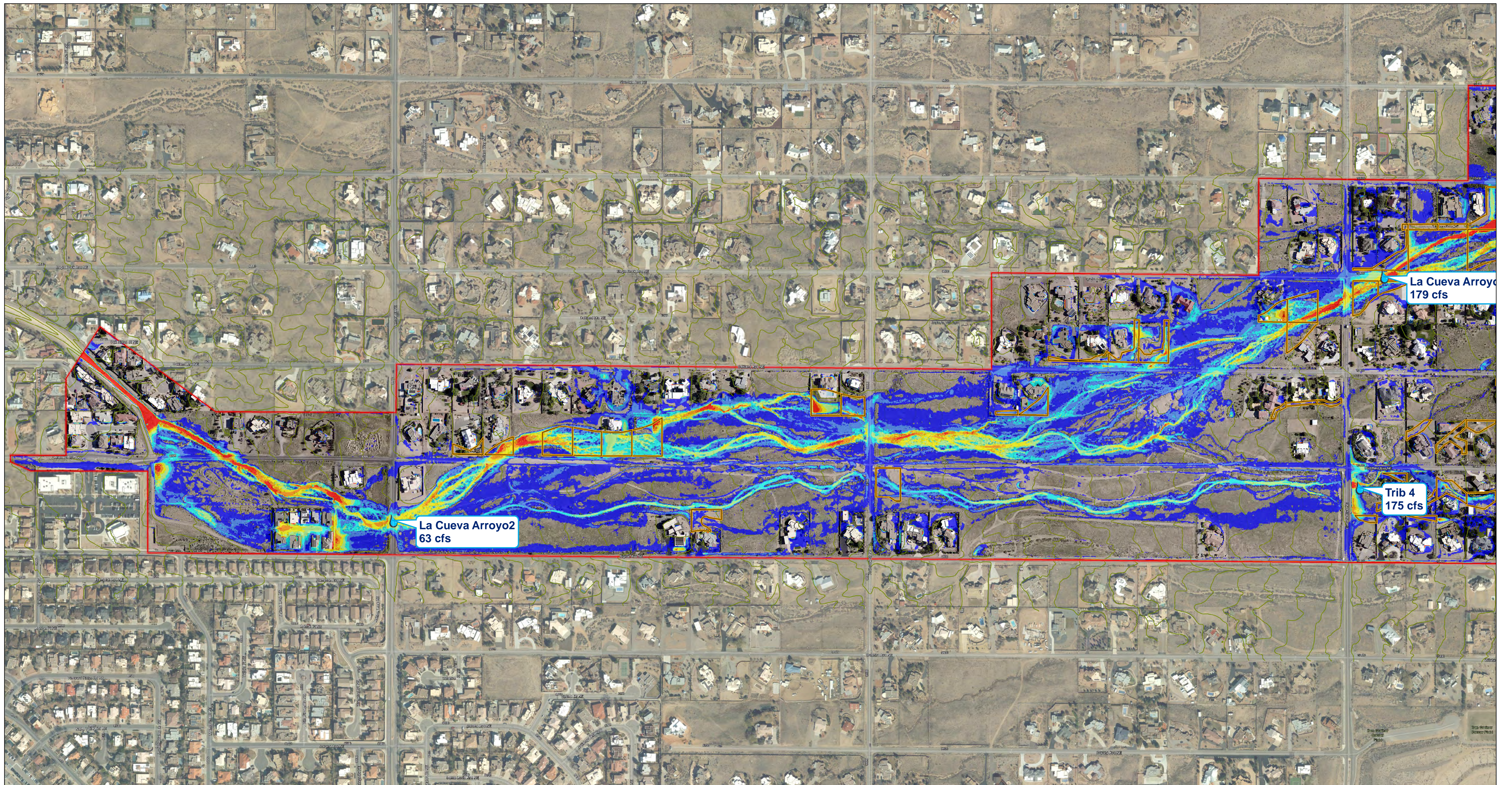
Legend

| | | | |
|--------------------|-----------|------------------|-------------------------------|
| Depths (ft) | 1.5 - 2.0 | Inflow Locations | AMAFCA Easements |
| 0.0 - 0.5 | 2.0 - 2.5 | Modeling Extents | Mosaicked Terrain 5' Contours |
| 0.5 - 1.0 | 2.5 - 3.0 | | |
| 1.0 - 1.5 | > 3.0 | | |



**Exhibit 3:
Modeling Depths
- 100 yr Flood
No Walls**

Date: March 9, 2023



Professional Engineer Seal

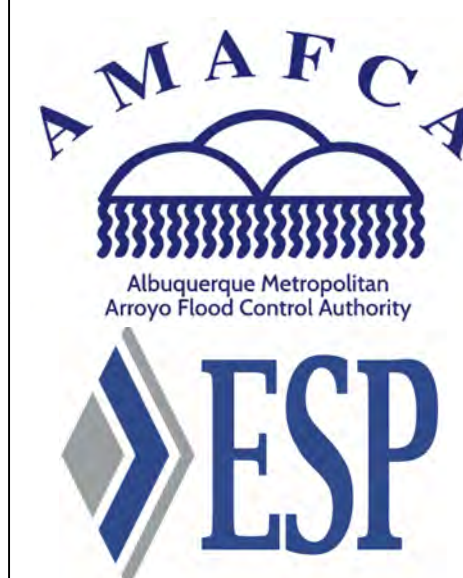
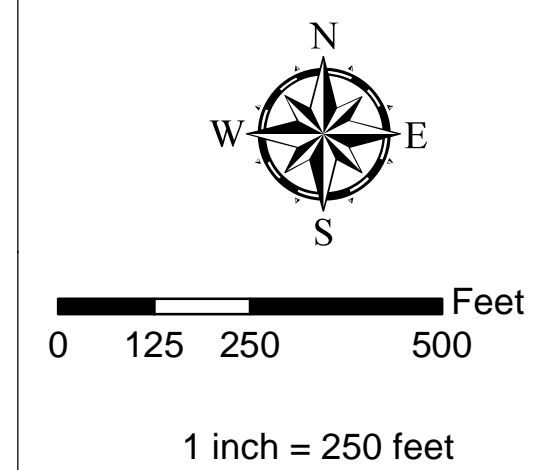


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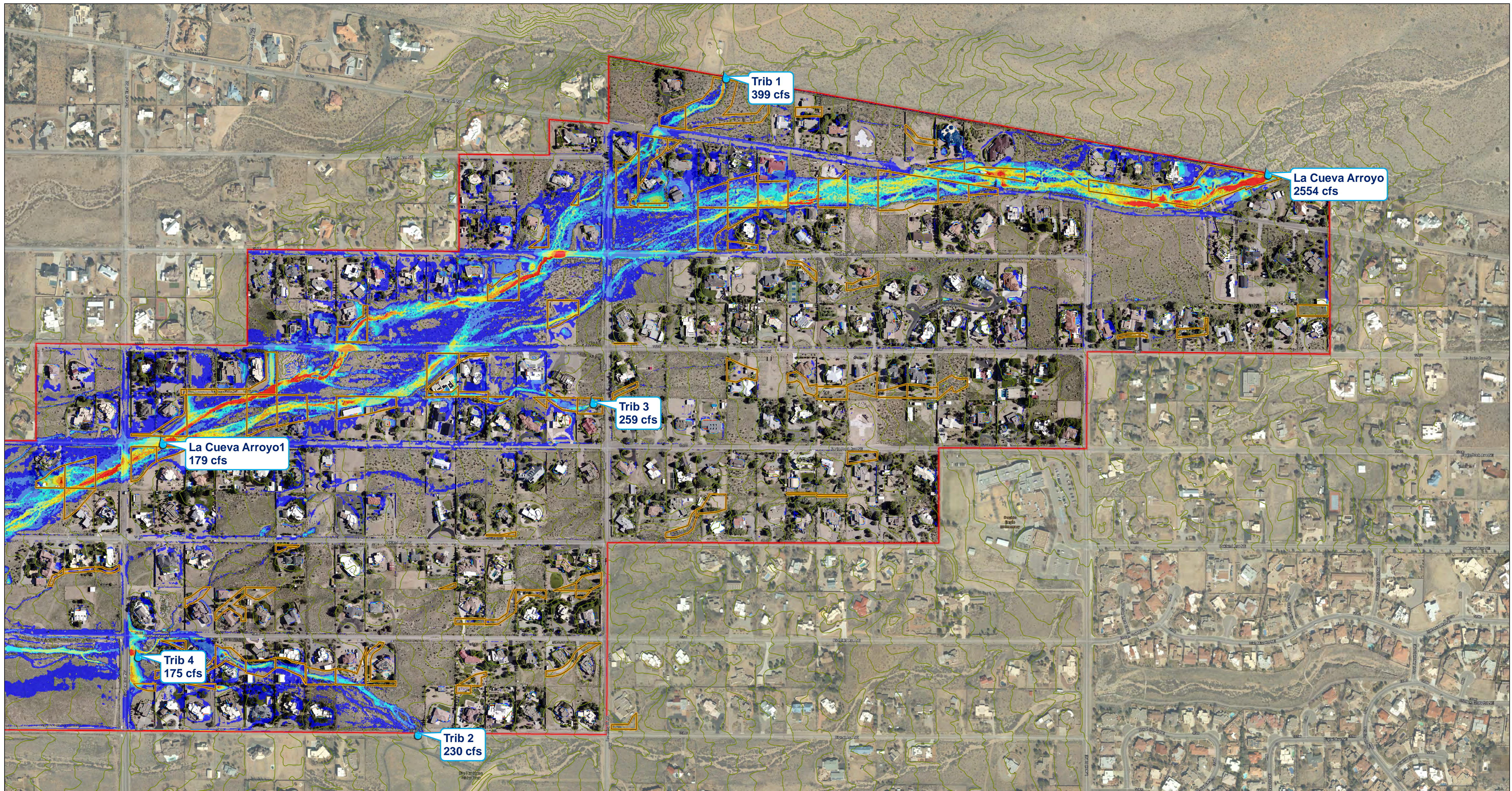
Legend

- | | | | |
|--------------------|-----------|------------------|-------------------------------|
| Depths (ft) | 1.5 - 2.0 | Inflow Locations | AMAFCA Easements |
| 0.0 - 0.5 | 2.0 - 2.5 | Modeling Extents | Mosaicked Terrain 5' Contours |
| 0.5 - 1.0 | 2.5 - 3.0 | | |
| 1.0 - 1.5 | > 3.0 | | |



**Exhibit 3A:
Modeling Depths
- 100 yr Flood
No Walls**

Date: March 9, 2023



Professional Engineer Seal

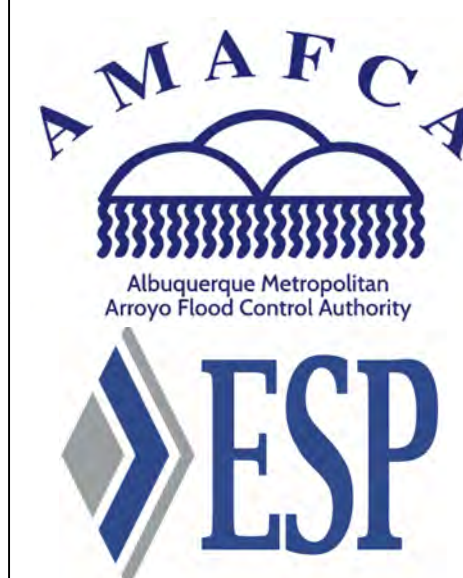
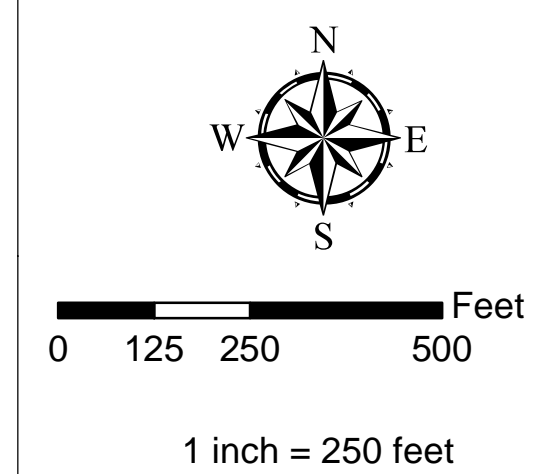


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3. Base spatial data for walls was taken from the same 2022 high resolution imagery. Elevations were assumed to be 4 feet higher than underlying terrain.
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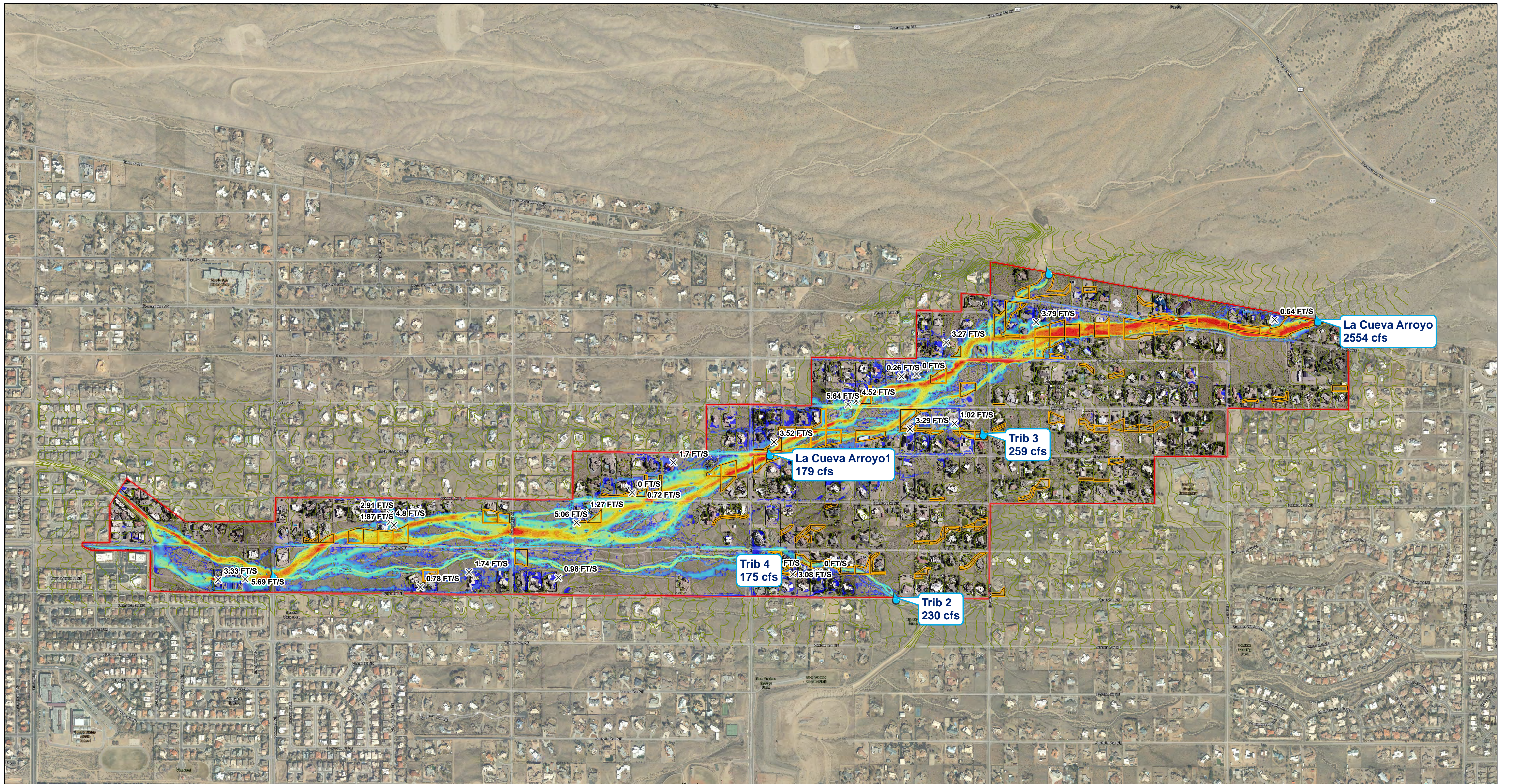
Legend

- | | | | |
|--------------------|-----------|------------------|-------------------------------|
| Depths (ft) | 1.5 - 2.0 | Inflow Locations | AMAFCA Easements |
| 0.0 - 0.5 | 2.0 - 2.5 | Modeling Extents | Mosaicked Terrain 5' Contours |
| 0.5 - 1.0 | 2.5 - 3.0 | | |
| 1.0 - 1.5 | > 3.0 | | |



**Exhibit 3B:
Modeling Depths
- 100 yr Flood
No Walls**

Date: March 9, 2023



La Cueva Arroyo
2554 cfs

Trib 3
259 cfs

La Cueva Arroyo1
179 cfs

Trib 4
175 cfs

Trib 2
230 cfs

Professional Engineer Seal

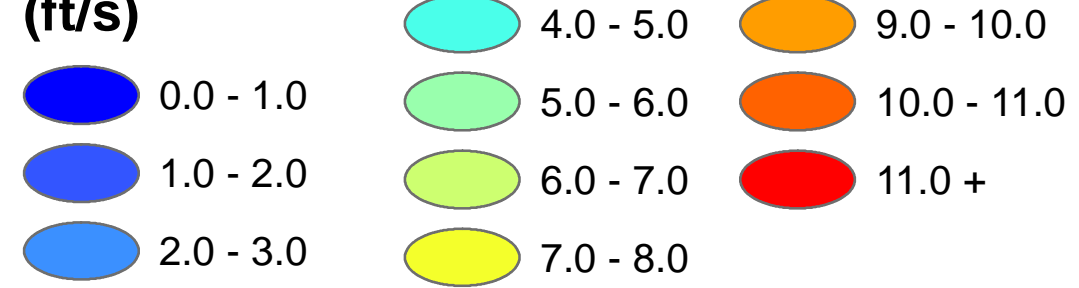


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Legend

Velocities (ft/s)



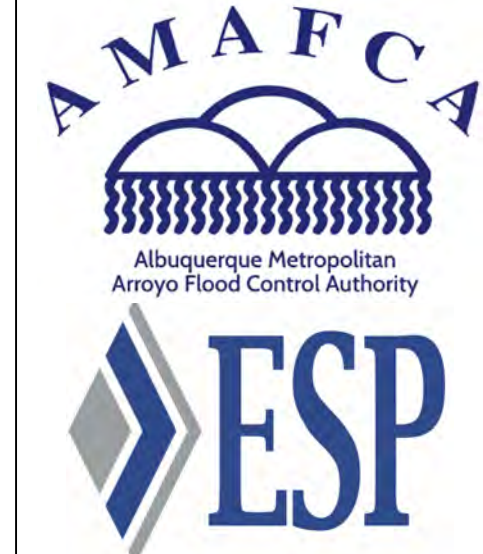
- Inflow Locations
- Modeling Extents
- Velocity Interrogation Points

- AMAFCA Easements
- Mosaicked Terrain 5' Contours



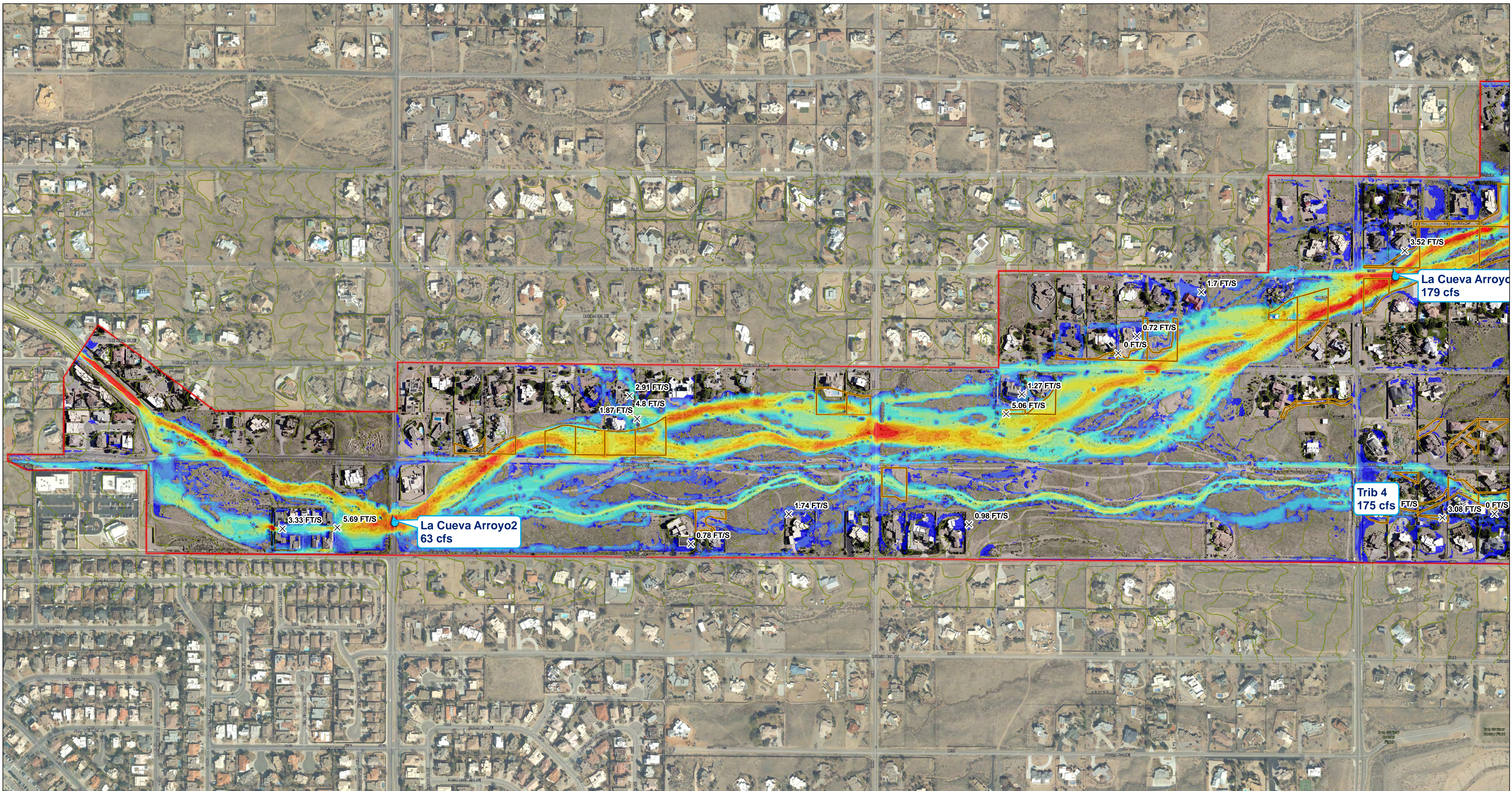
0 250 500 1,000 Feet

1 inch = 500 feet



**Exhibit 4:
Modeling Velocities
- 100 yr Flood
No Walls**

Date: March 9, 2023



Professional Engineer Seal

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4. Easements shown herein were provided as supplemental data within the survey dataset.

Legend

| | | | | |
|--------------------------|-----------|-------------|-------------------------------|-------------------------------|
| Velocities (ft/s) | 3.0 - 4.0 | 8.0 - 9.0 | Inflow Locations | AMAFCA Easements |
| 0.0 - 1.0 | 4.0 - 5.0 | 9.0 - 10.0 | Modeling Extents | Mosaicked Terrain 5' Contours |
| 1.0 - 2.0 | 5.0 - 6.0 | 10.0 - 11.0 | Velocity Interrogation Points | |
| 2.0 - 3.0 | 6.0 - 7.0 | 11.0 + | | |
| | 7.0 - 8.0 | | | |

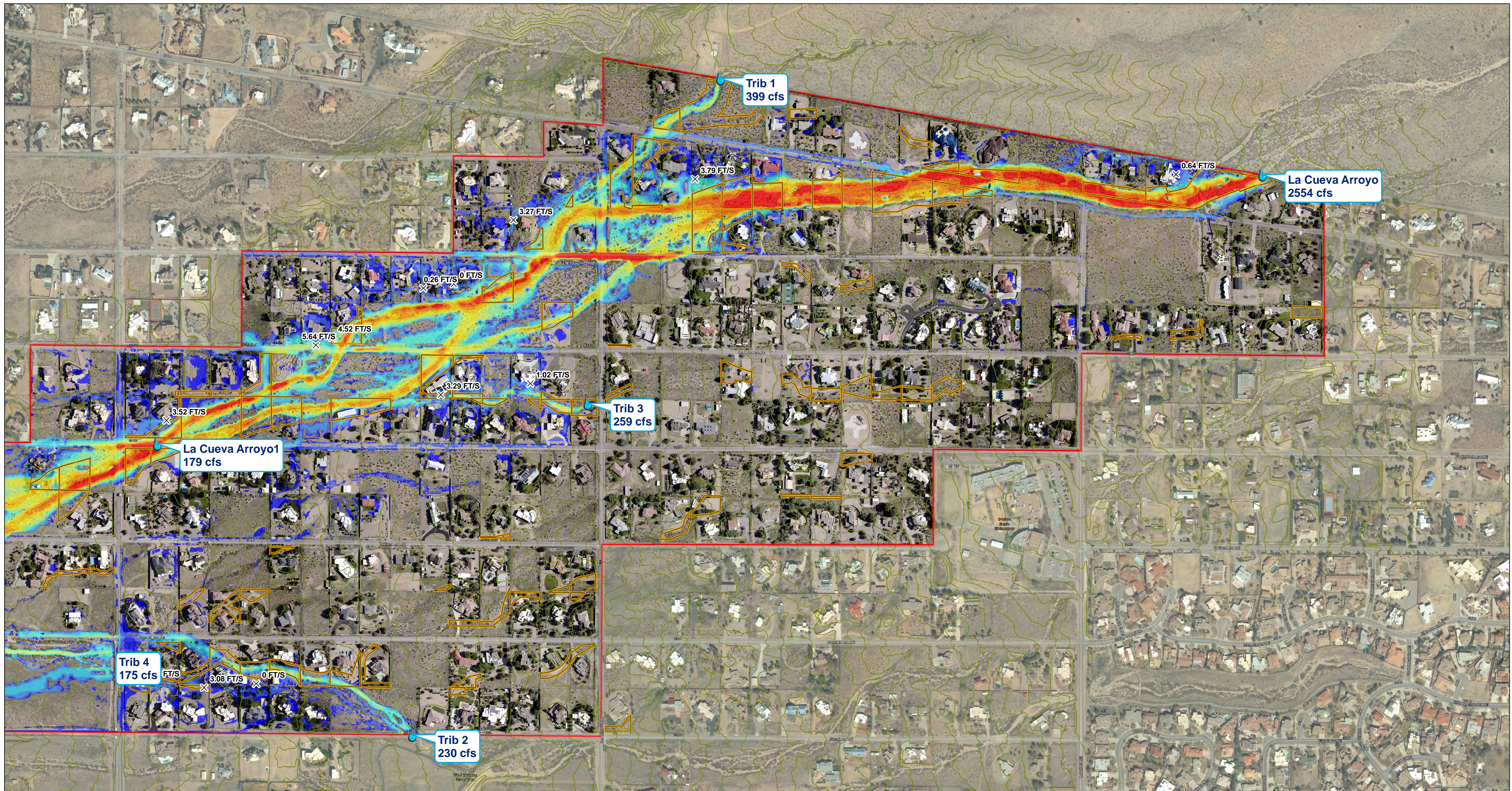
0 125 250 500 Feet

1 inch = 250 feet



Exhibit 4A:
Modeling Velocities
- 100 yr Flood
No Walls

Date: March 9, 2023



Professional Engineer Seal



Notes:

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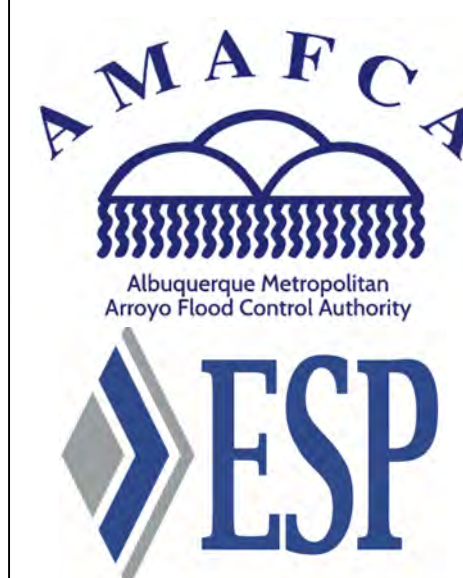
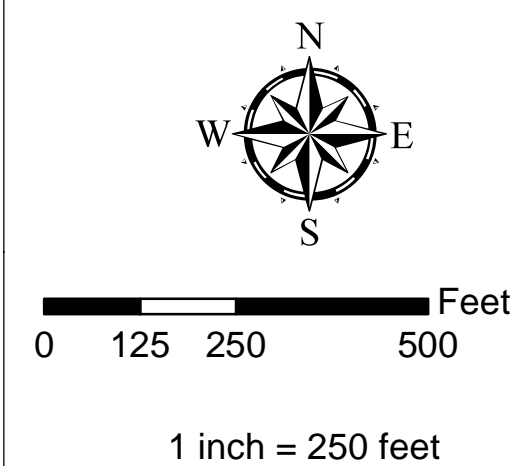
Legend

Velocities (ft/s)

| | | | | | |
|--|-----------|--|-----------|--|-------------|
| | 0.0 - 1.0 | | 3.0 - 4.0 | | 8.0 - 9.0 |
| | 1.0 - 2.0 | | 4.0 - 5.0 | | 9.0 - 10.0 |
| | 2.0 - 3.0 | | 5.0 - 6.0 | | 10.0 - 11.0 |
| | | | 6.0 - 7.0 | | 11.0 + |
| | | | 7.0 - 8.0 | | |

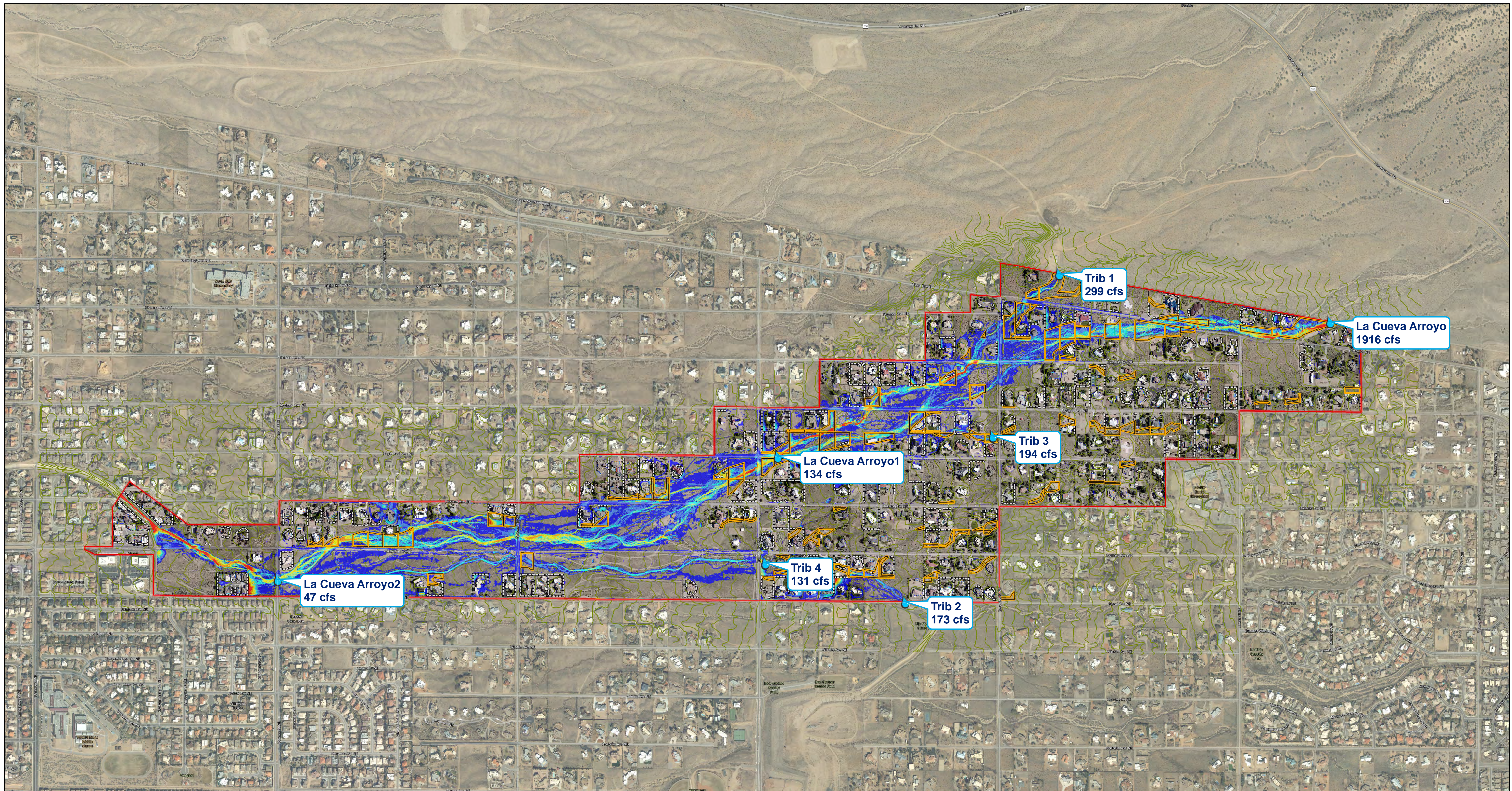
- Inflow Locations
- Modeling Extents
- Velocity Interrogation Points

- AMAFCA Easements
- Mosaicked Terrain 5' Contours



**Exhibit 4B:
Modeling Velocities
- 100 yr Flood
No Walls**

Date: March 9, 2023



Professional Engineer Seal

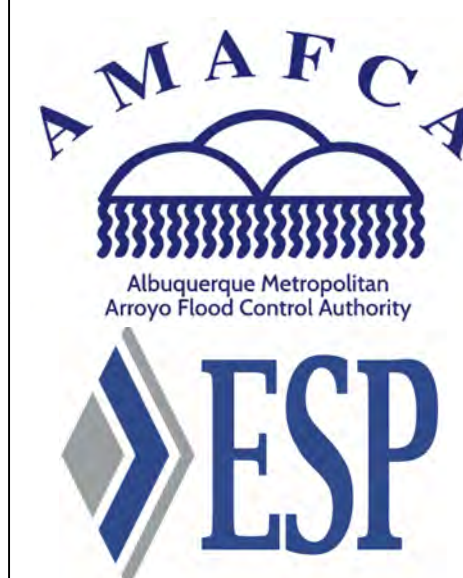
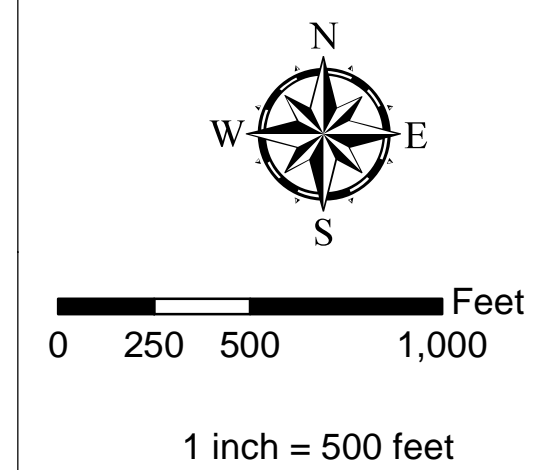


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4. Easements shown herein were provided as supplemental data within the survey dataset.

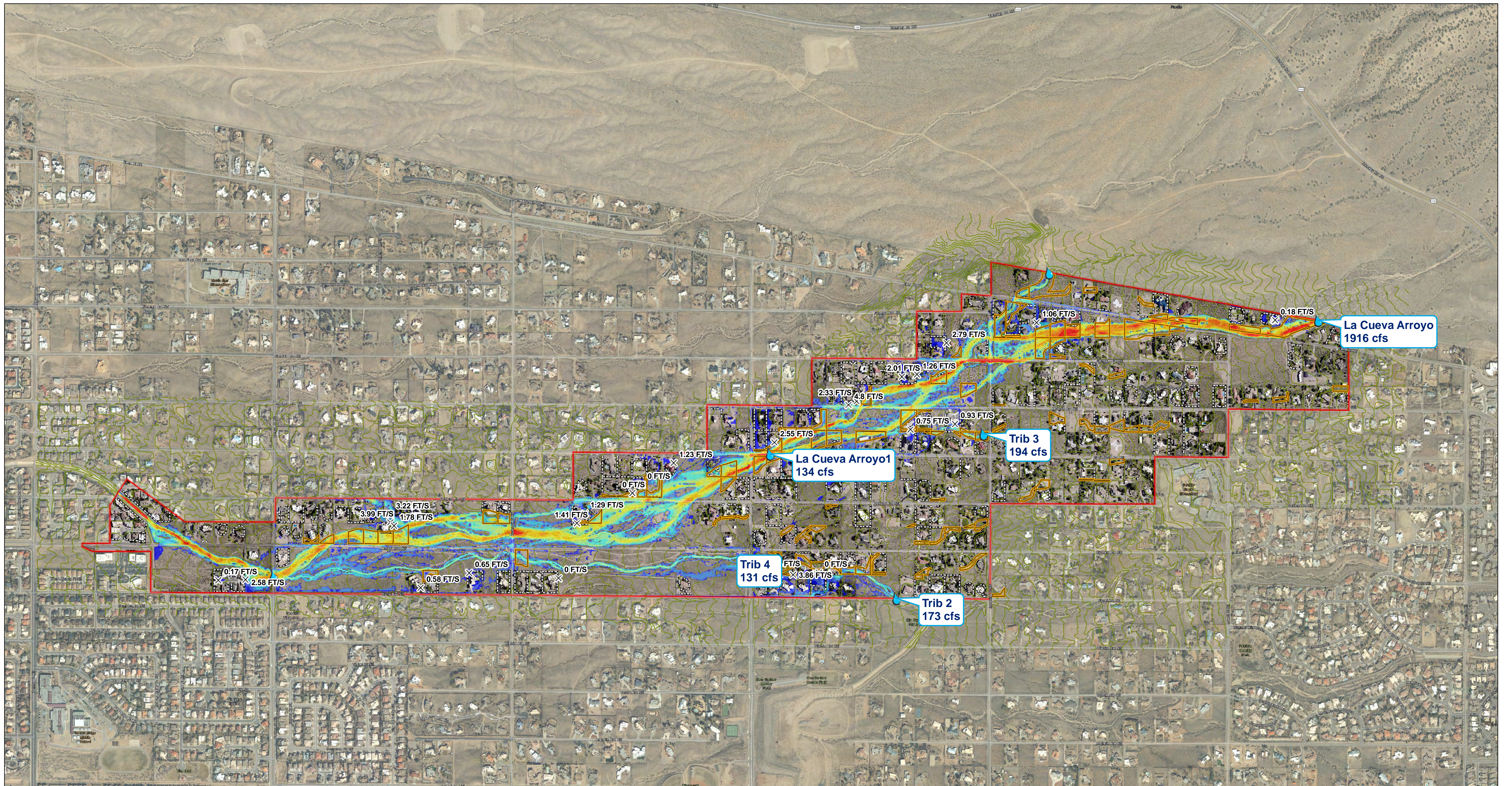
Legend

| | | | |
|--------------------|-----------|------------------|-------------------------------|
| Depths (ft) | 1.5 - 2.0 | Inflow Locations | AMAFCA Easements |
| 0.0 - 0.5 | 2.0 - 2.5 | Modeling Extents | Mosaicked Terrain 5' Contours |
| 0.5 - 1.0 | 2.5 - 3.0 | Modeled Walls | |
| 1.0 - 1.5 | > 3.0 | | |



**Exhibit 5:
Modeling Depths
- 75 pct of
100 yr Flood
With Walls**

Date: March 9, 2023



Professional Engineer Seal



Notes:

1. Primary imagery used within study area and shown in exhibit is dated September 2022. The ESRI Aerial Imagery Basemap was used for continuity in boundaries of exhibit.
2. Terrain data used in the study, from which displayed contours were created, is created from lidar collected September 2022.
3. Base spatial data for walls was taken from the same 2022 high resolution imagery. Elevations were assumed to be 4 feet higher than underlying terrain.
4. Easements shown herein were provided as supplemental data within the survey dataset.

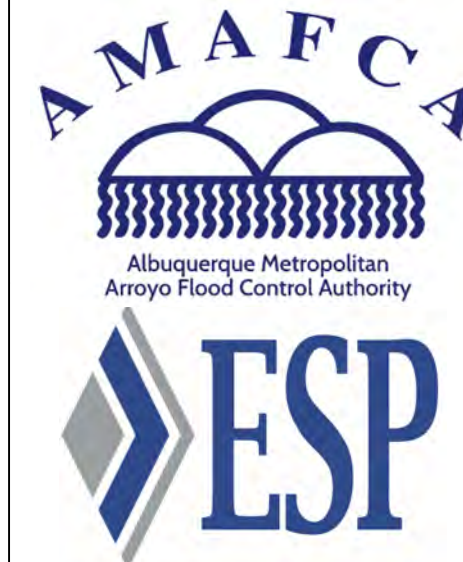
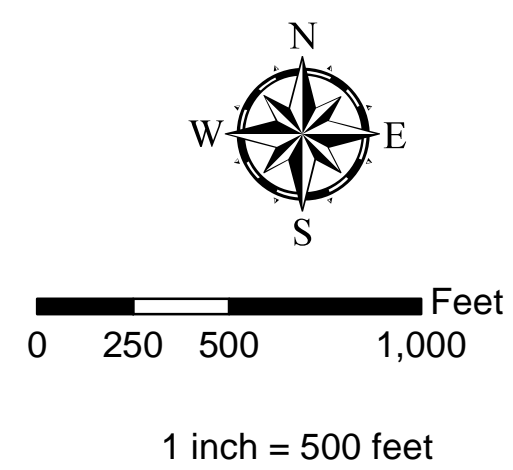
Legend

Velocities (ft/s)

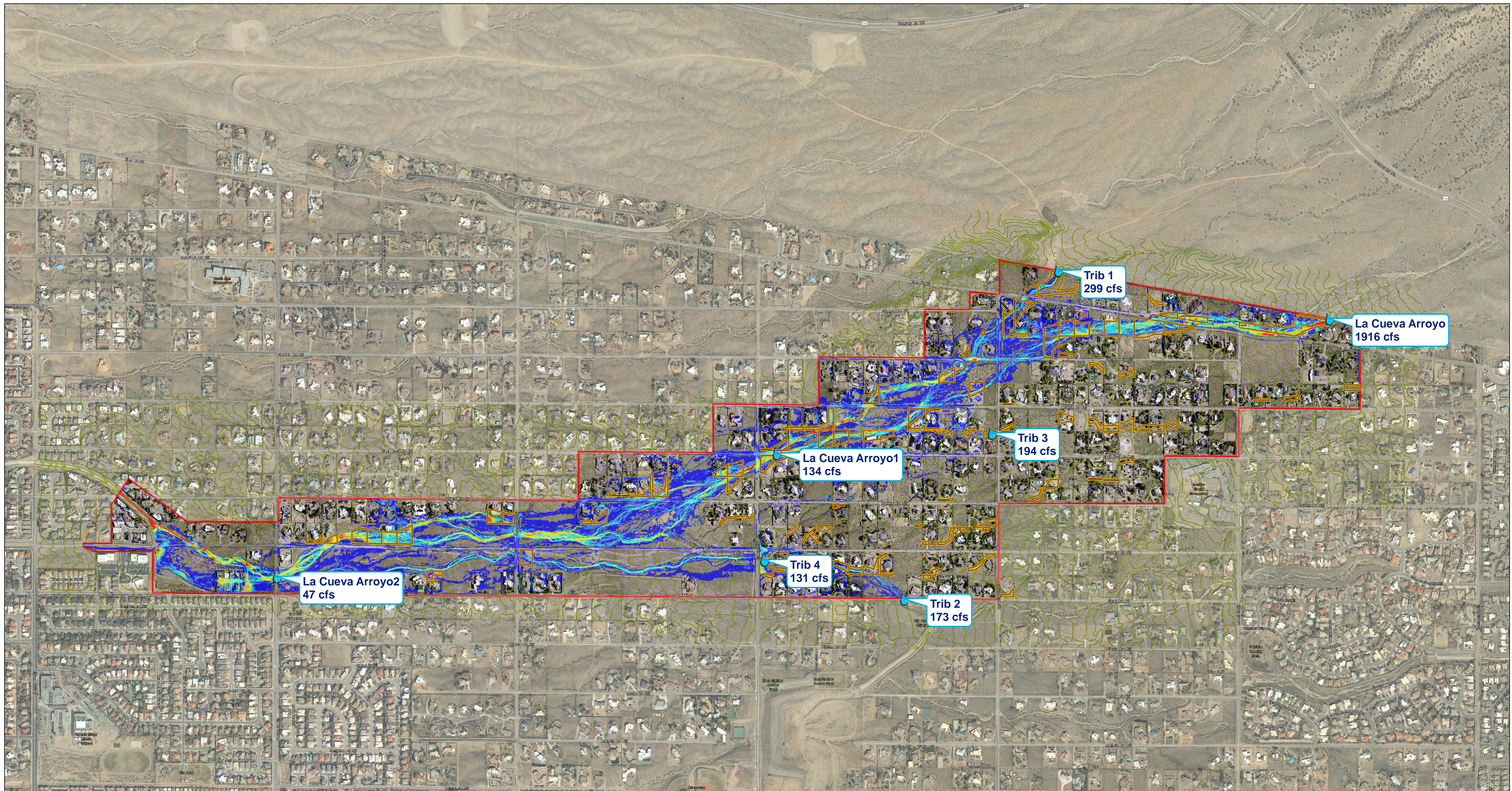
| | | | |
|--|-----------|--|-------------|
| | 0.0 - 1.0 | | 8.0 - 9.0 |
| | 1.0 - 2.0 | | 9.0 - 10.0 |
| | 2.0 - 3.0 | | 10.0 - 11.0 |
| | | | 11.0 + |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

- Inflow Locations
- Modeling Extents
- Velocity Interrogation Points

- AMAFCA Easements
- Modeled Walls
- Mosaicked Terrain 5' Contours



**Exhibit 6:
Modeling Velocities
- 75 pct of
100 yr Flood
With Walls**
Date: March 9, 2023



Professional Engineer Seal



Notes:

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2. Terrain data used in the study, from which displayed contours were created, is created from lidar collected September 2022.
3. Base spatial data for walls was taken from the same 2022 high resolution imagery. Elevations were assumed to be 4 feet higher than underlying terrain.
4. Easements shown herein were provided as supplemental data within the survey dataset.

Legend

| | | | |
|--------------------|-----------|------------------|-------------------------------|
| Depths (ft) | 1.5 - 2.0 | Inflow Locations | AMAFCA Easements |
| 0.0 - 0.5 | 2.0 - 2.5 | Modeling Extents | Mosaicked Terrain 5' Contours |
| 0.5 - 1.0 | 2.5 - 3.0 | | |
| 1.0 - 1.5 | > 3.0 | | |

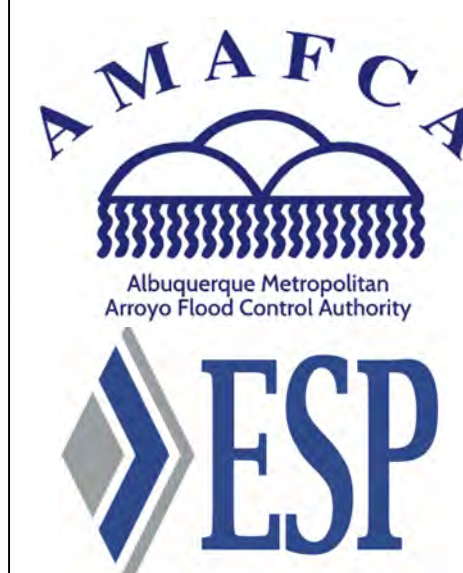
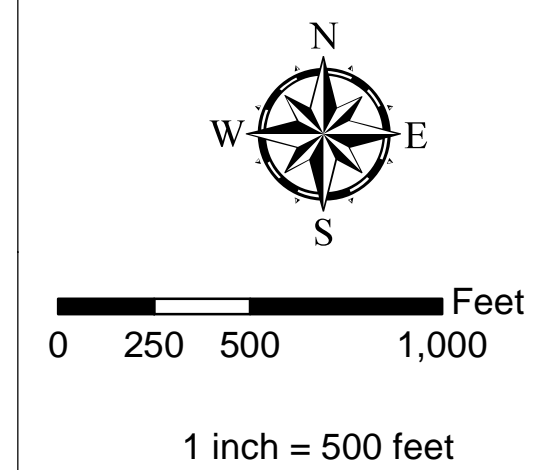
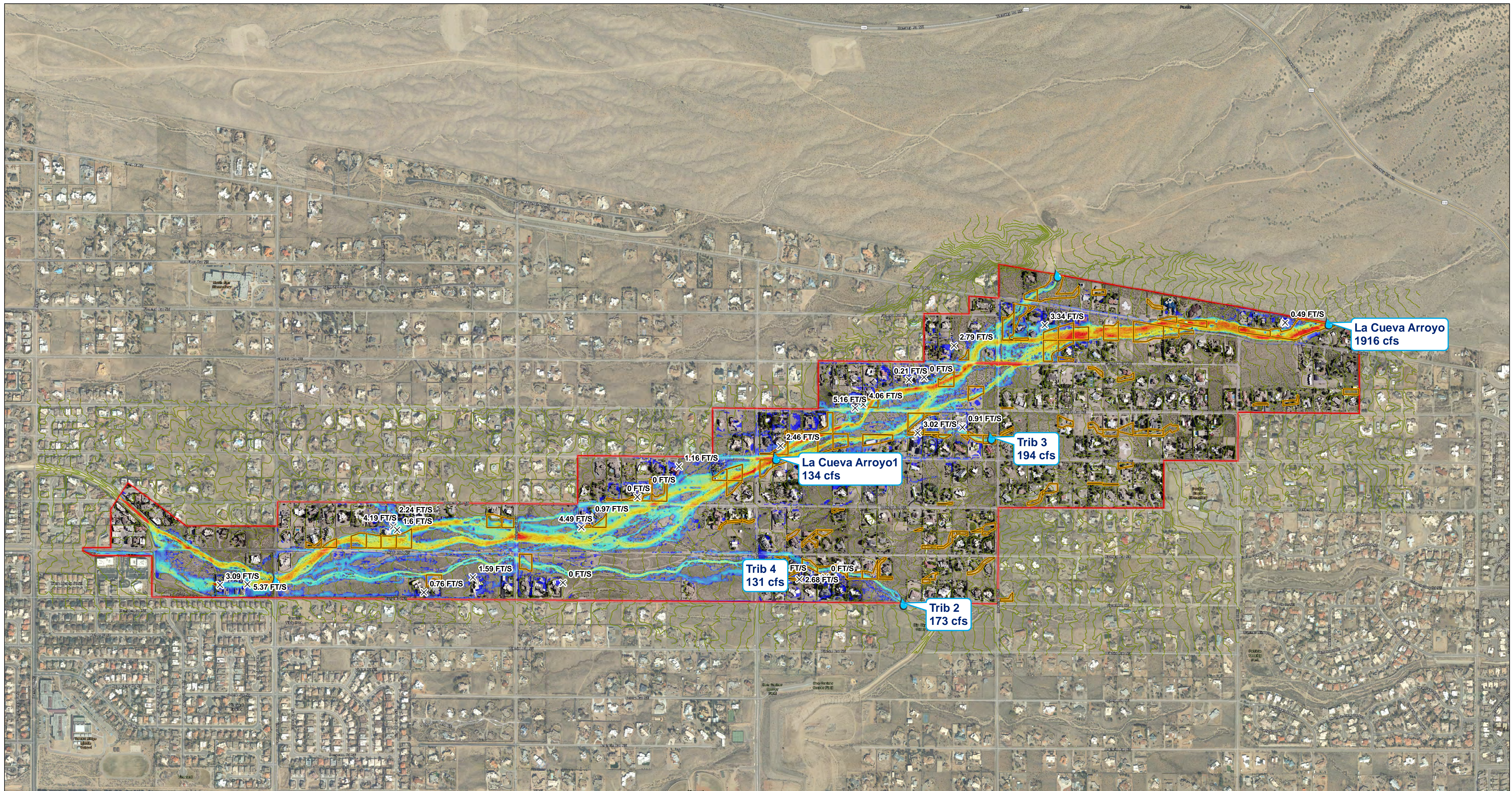


Exhibit 7:
Modeling Depths
- 75 pct of
100 yr Flood
No Walls
 Date: March 9, 2023



Professional Engineer Seal

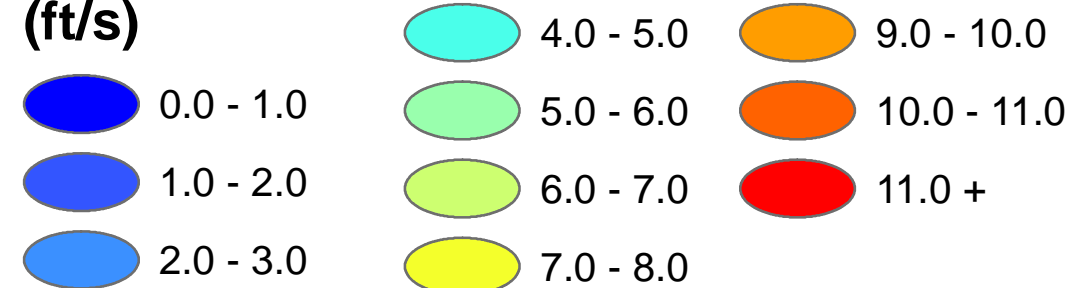


Notes:

1. Primary imagery used within study area and shown in exhibit is dated September 2022. The ESRI Aerial Imagery Basemap was used for continuity in boundaries of exhibit.
2. Terrain data used in the study, from which displayed contours were created, is created from lidar collected September 2022.
3. Base spatial data for walls was taken from the same 2022 high resolution imagery. Elevations were assumed to be 4 feet higher than underlying terrain.
4. Easements shown herein were provided as supplemental data within the survey dataset.

Legend

Velocities (ft/s)



- Inflow Locations
- Modeling Extents
- Velocity Interrogation Points

- AMAFCA Easements
- Mosaicked Terrain 5' Contours

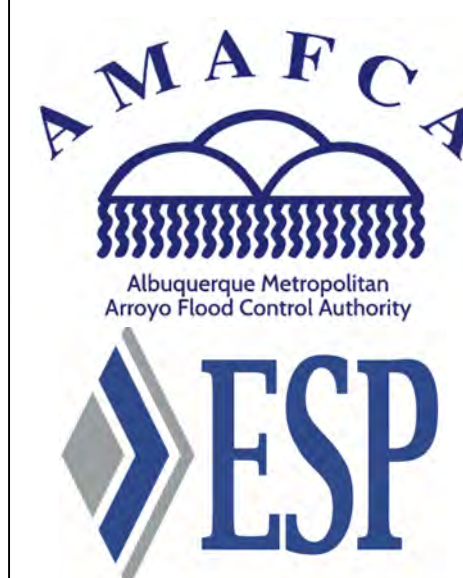
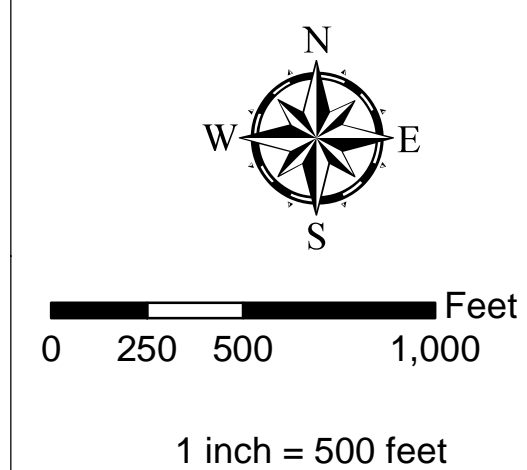
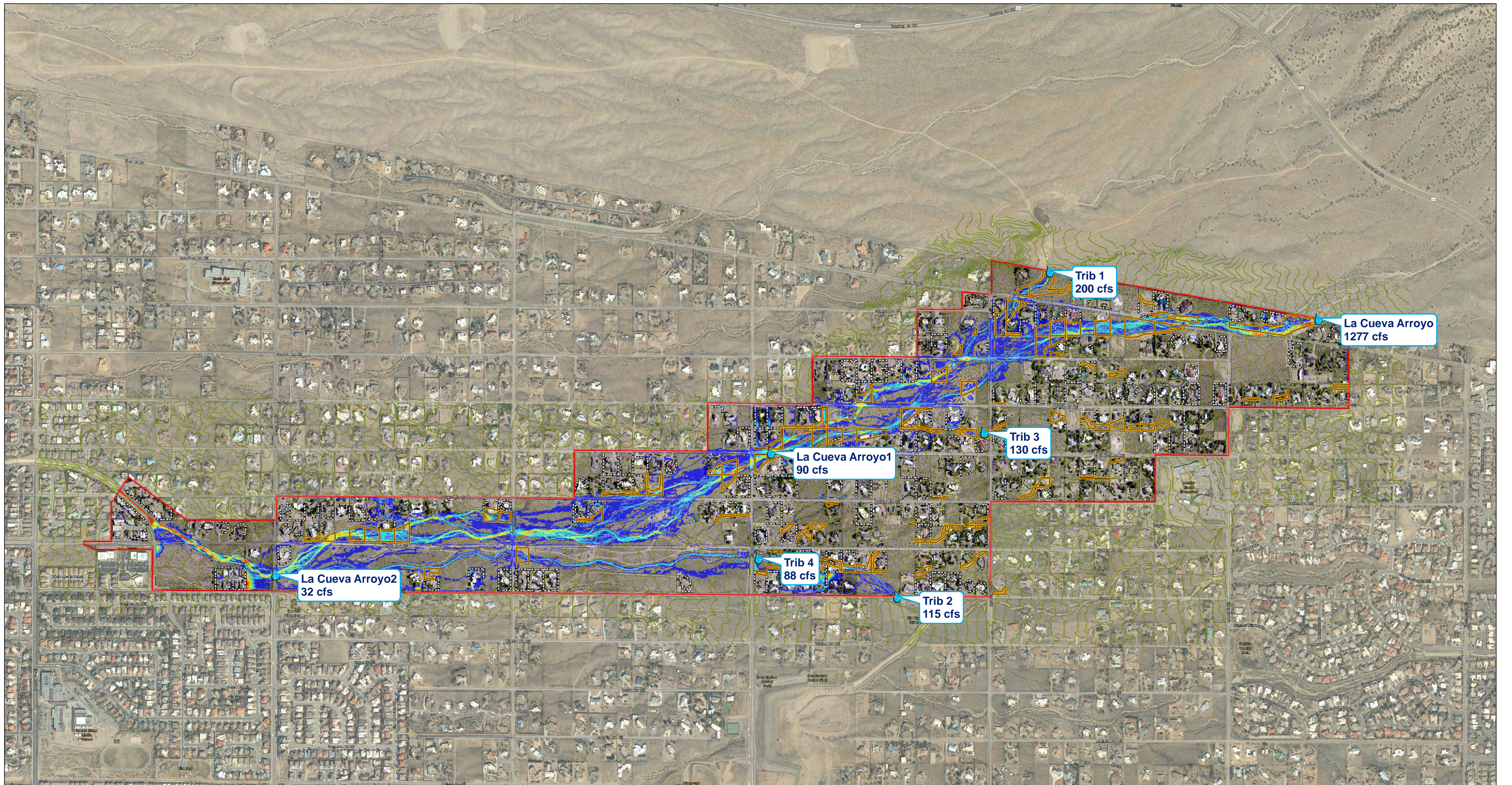


Exhibit 8:
Modeling Velocities
 - 75 pct of
100 yr Flood
No Walls
 Date: March 9, 2023



Professional Engineer Seal

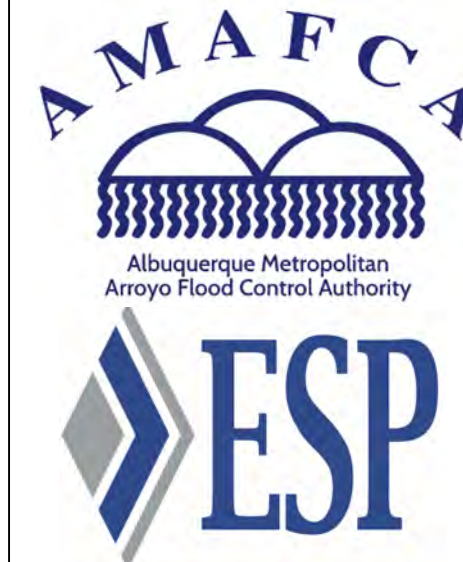
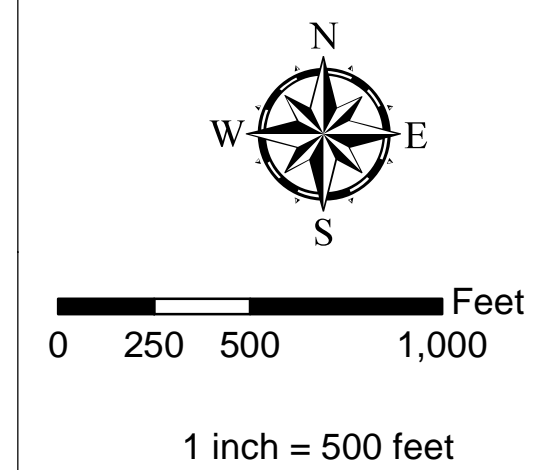


Notes:

1. Primary imagery used within study area and shown in exhibit is dated September 2022. The ESRI Aerial Imagery Basemap was used for continuity in boundaries of exhibit.
2. Terrain data used in the study, from which displayed contours were created, is created from lidar collected September 2022.
3. Base spatial data for walls was taken from the same 2022 high resolution imagery. Elevations were assumed to be 4 feet higher than underlying terrain.
4. Easements shown herein were provided as supplemental data within the survey dataset.

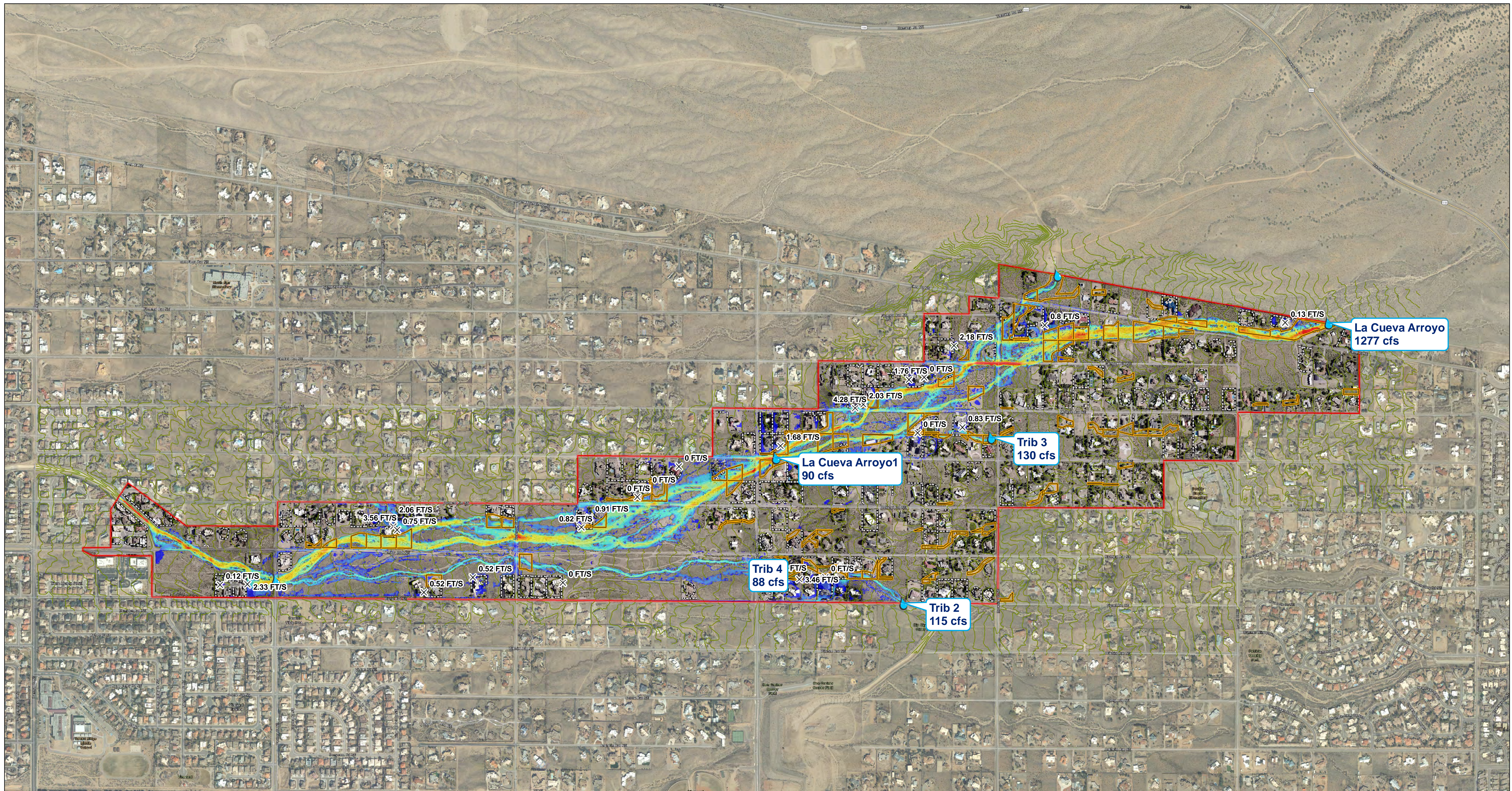
Legend

| | | | |
|--------------------|-----------|------------------|-------------------------------|
| Depths (ft) | 1.5 - 2.0 | Inflow Locations | AMAFCA Easements |
| 0.0 - 0.5 | 2.0 - 2.5 | Modeling Extents | Mosaicked Terrain 5' Contours |
| 0.5 - 1.0 | 2.5 - 3.0 | Modeled Walls | |
| 1.0 - 1.5 | > 3.0 | | |



**Exhibit 9:
Modeling Depths
- 50 pct of
100 yr Flood
With Walls**

Date: March 9, 2023



Professional Engineer Seal



Notes:

1. Primary imagery used within study area and shown in exhibit is dated September 2022. The ESRI Aerial Imagery Basemap was used for continuity in boundaries of exhibit.
2. Terrain data used in the study, from which displayed contours were created, is created from lidar collected September 2022.
3. Base spatial data for walls was taken from the same 2022 high resolution imagery. Elevations were assumed to be 4 feet higher than underlying terrain.
4. Easements shown herein were provided as supplemental data within the survey dataset.

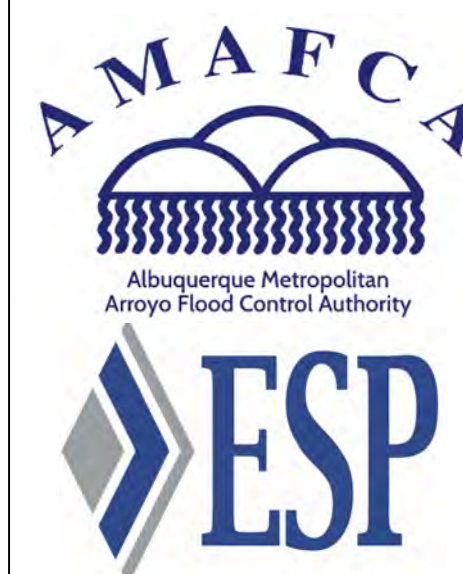
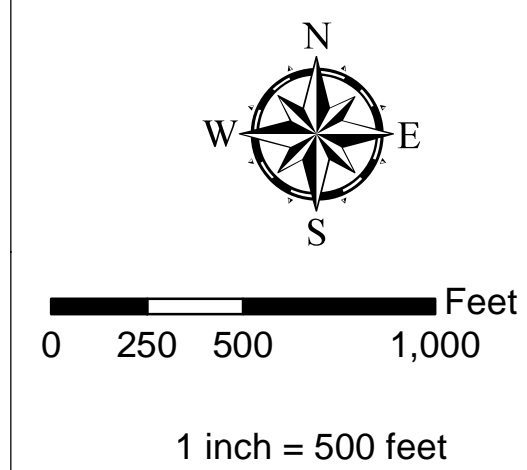
Legend

Velocities (ft/s)

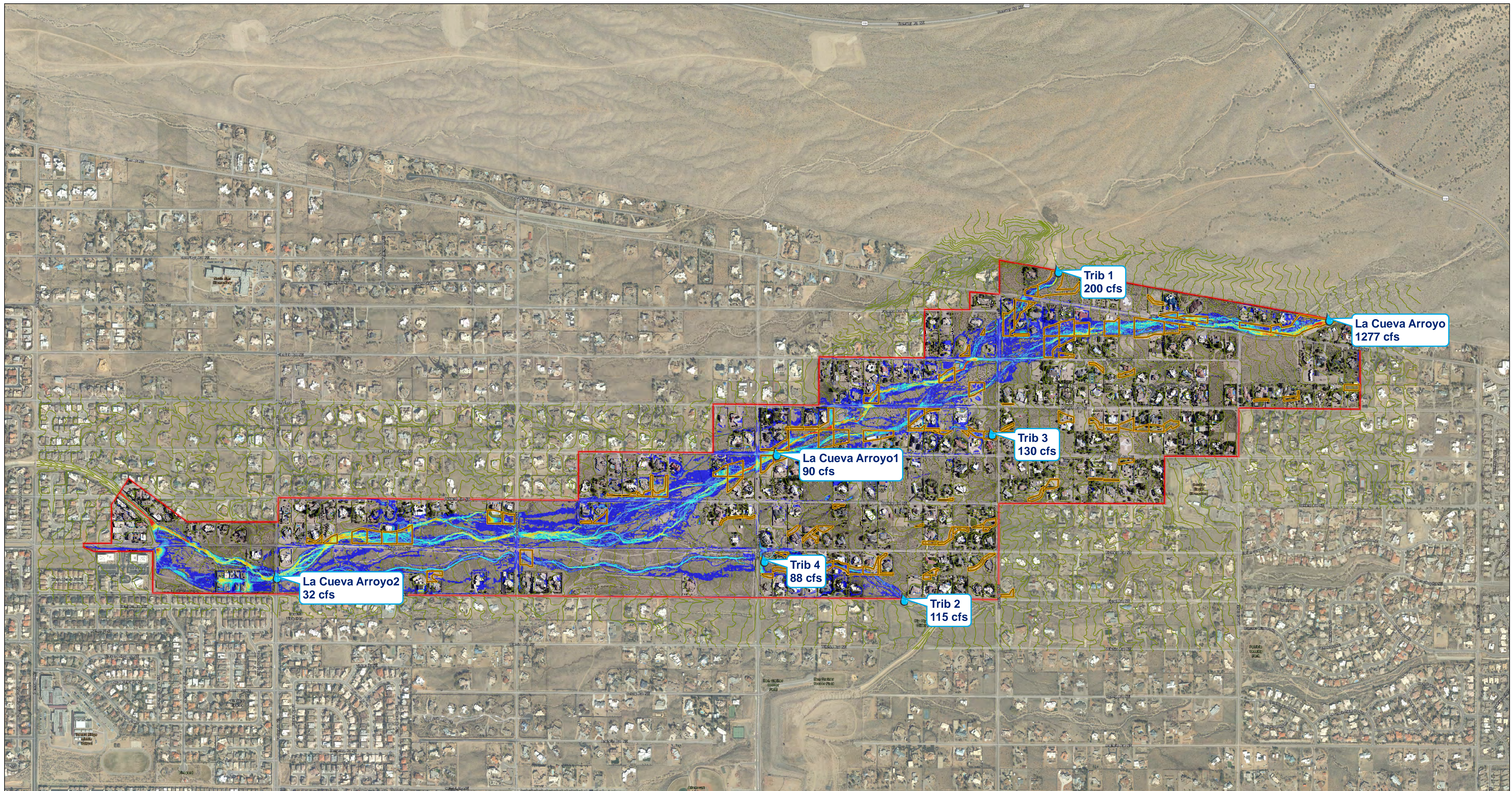
- | | | | |
|--|-----------|--|-------------|
| | 0.0 - 1.0 | | 8.0 - 9.0 |
| | 1.0 - 2.0 | | 9.0 - 10.0 |
| | 2.0 - 3.0 | | 10.0 - 11.0 |
| | 3.0 - 4.0 | | 11.0 + |
| | 4.0 - 5.0 | | |
| | 5.0 - 6.0 | | |
| | 6.0 - 7.0 | | |
| | 7.0 - 8.0 | | |

- Inflow Locations
- Modeling Extents
- Velocity Interrogation Points

- AMAFCA Easements
- Modeled Walls
- Mosaicked Terrain 5' Contours



**Exhibit 10:
Modeling Velocities
- 50 pct of
100 yr Flood
With Walls**
Date: March 9, 2023



Professional Engineer Seal



Notes:

1. Primary imagery used within study area and shown in exhibit is dated September 2022. The ESRI Aerial Imagery Basemap was used for continuity in boundaries of exhibit.
2. Terrain data used in the study, from which displayed contours were created, is created from lidar collected September 2022.
3. Base spatial data for walls was taken from the same 2022 high resolution imagery. Elevations were assumed to be 4 feet higher than underlying terrain.
4. Easements shown herein were provided as supplemental data within the survey dataset.

Legend

| | | | |
|--------------------|-----------|------------------|-------------------------------|
| Depths (ft) | 1.5 - 2.0 | Inflow Locations | AMAFCA Easements |
| 0.0 - 0.5 | 2.0 - 2.5 | Modeling Extents | Mosaicked Terrain 5' Contours |
| 0.5 - 1.0 | 2.5 - 3.0 | | |
| 1.0 - 1.5 | > 3.0 | | |

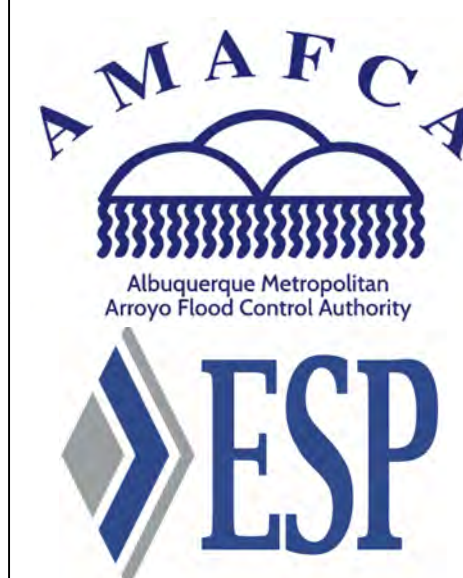
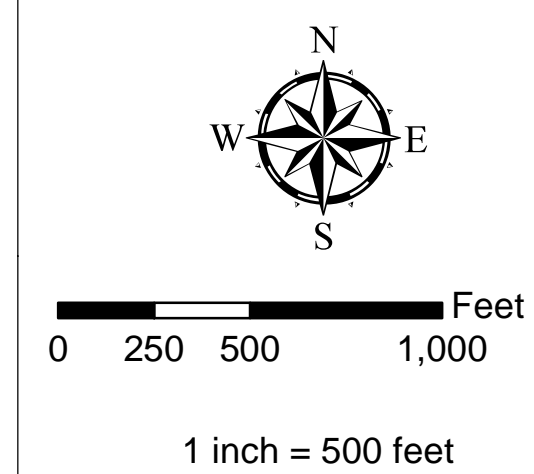
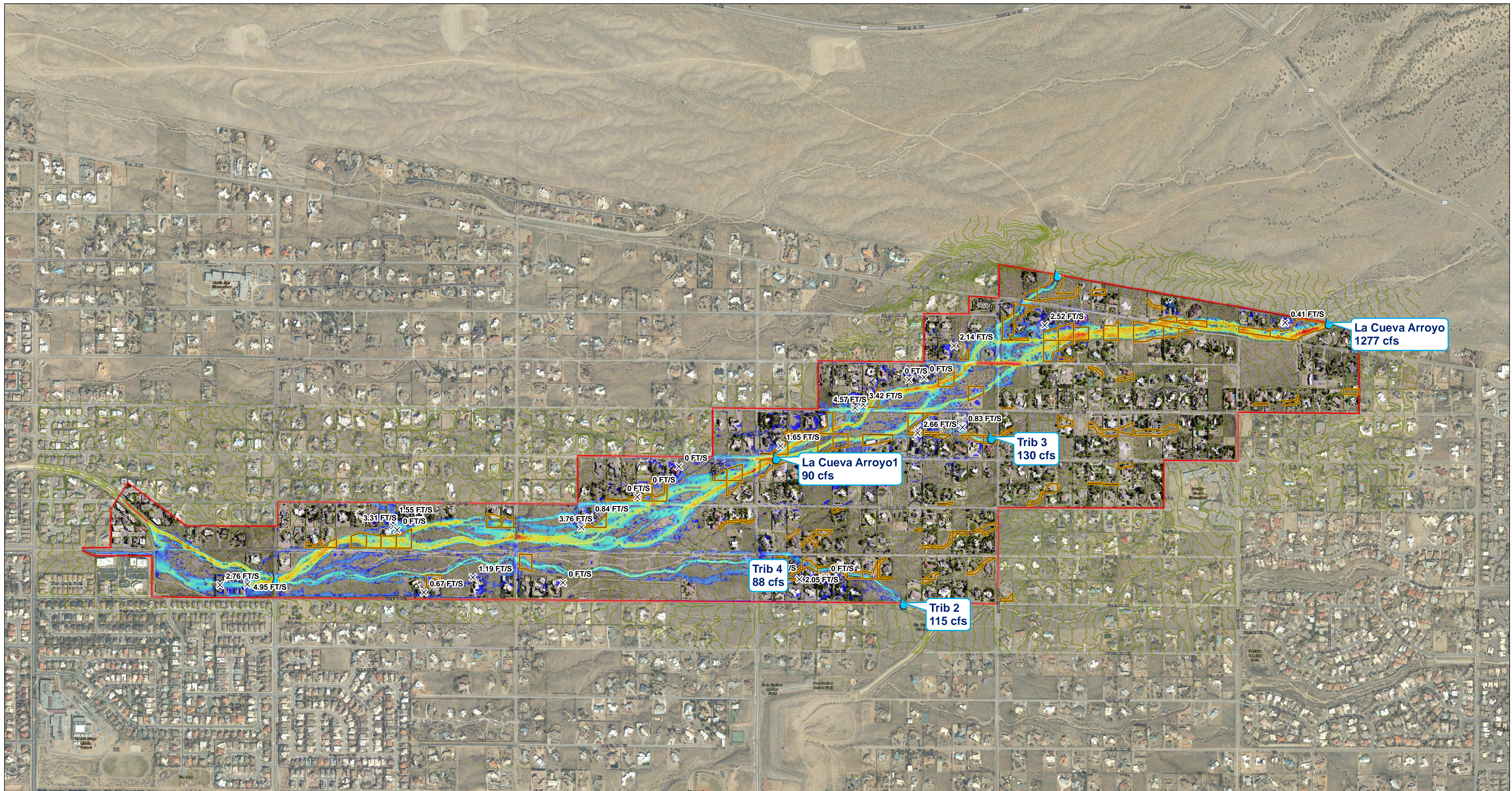


Exhibit 11:
Modeling Depths
 - 50 pct of
 100 yr Flood
 No Walls
 Date: March 9, 2023



Professional Engineer Seal



Notes:

1. Primary imagery used within study area and shown in exhibit is dated September 2022. The ESRI Aerial Imagery Basemap was used for continuity in boundaries of exhibit.
2. Terrain data used in the study, from which displayed contours were created, is created from lidar collected September 2022.
3. Base spatial data for walls was taken from the same 2022 high resolution imagery. Elevations were assumed to be 4 feet higher than underlying terrain.
4. Easements shown herein were provided as supplemental data within the survey dataset.

Legend

Velocities (ft/s)

| | | | |
|--|-----------|--|-------------|
| | 0.0 - 1.0 | | 8.0 - 9.0 |
| | 1.0 - 2.0 | | 9.0 - 10.0 |
| | 2.0 - 3.0 | | 10.0 - 11.0 |
| | 4.0 - 5.0 | | 11.0 + |
| | 5.0 - 6.0 | | |
| | 6.0 - 7.0 | | |
| | 7.0 - 8.0 | | |

- Inflow Locations
- Modeling Extents
- Velocity Interrogation Points

- AMAFCA Easements
- Mosaicked Terrain 5' Contours

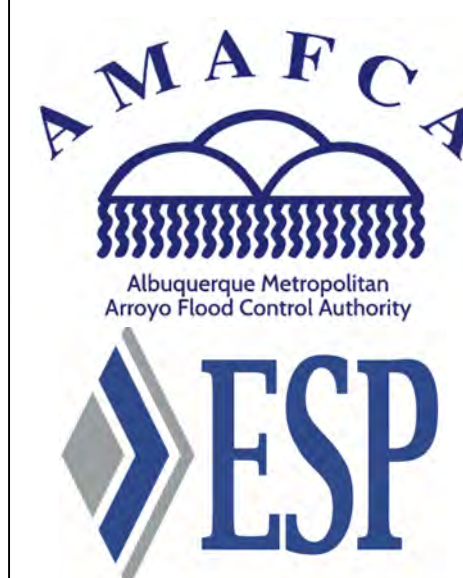
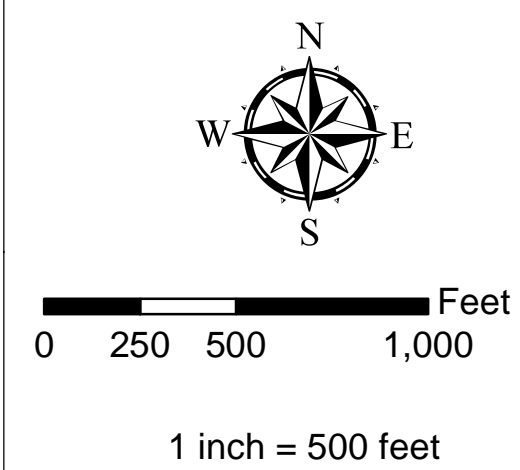
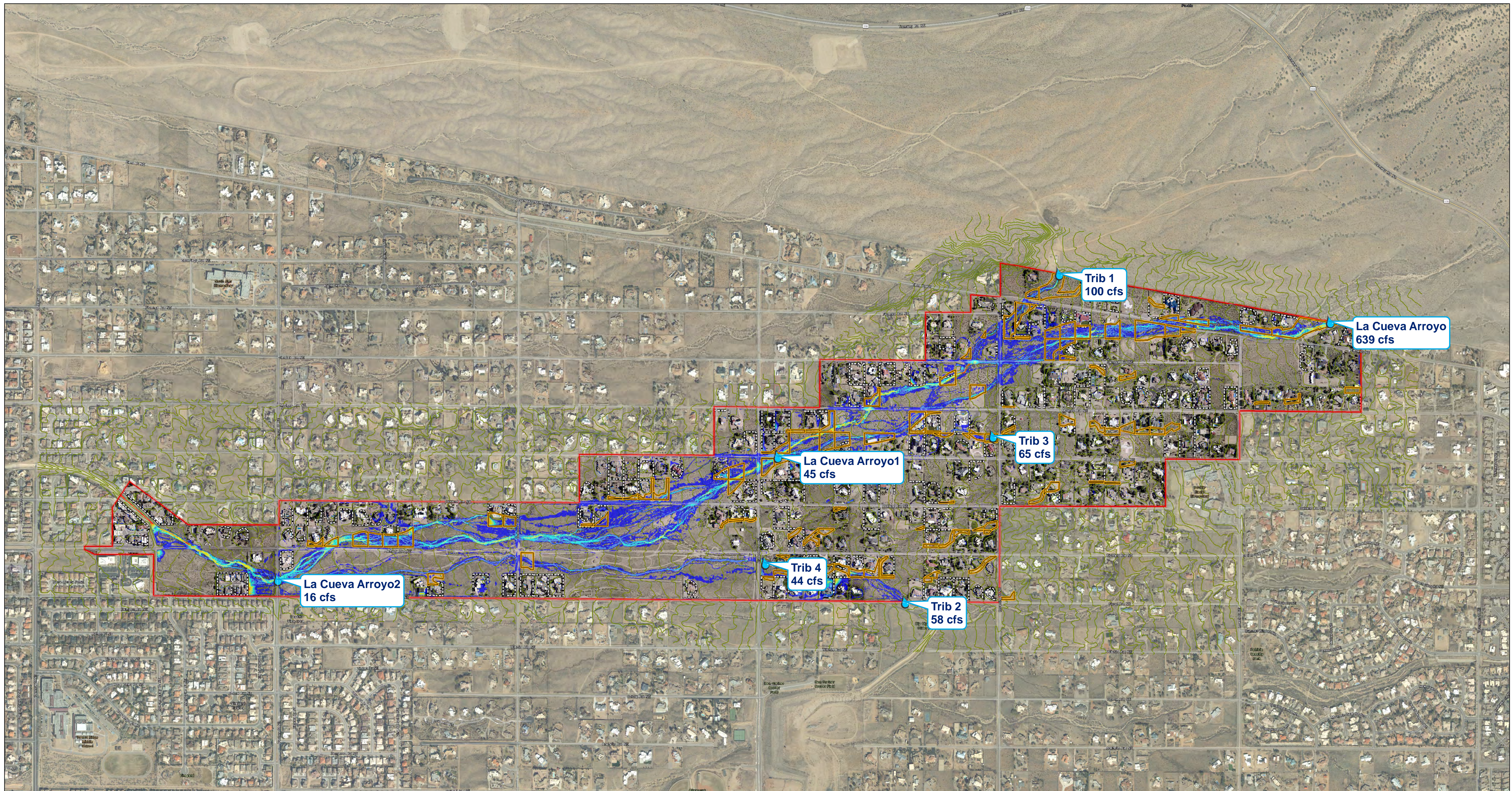


Exhibit 12:
Modeling Velocities
 - 50 pct of
100 yr Flood
No Walls
 Date: March 9, 2023



Professional Engineer Seal

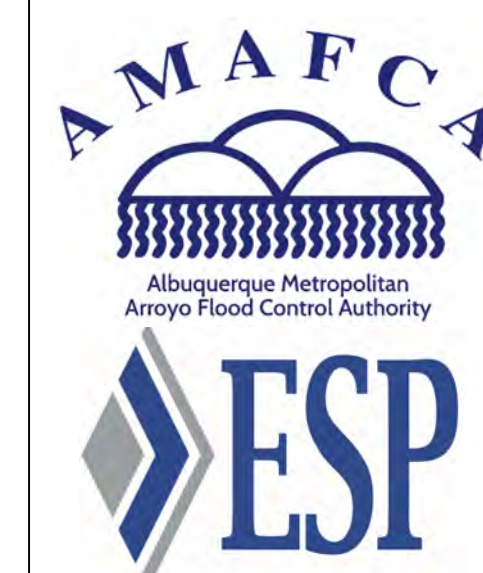
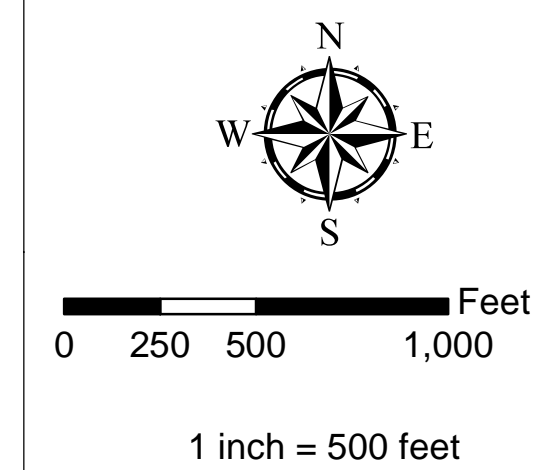


Notes:

1. Primary imagery used within study area and shown in exhibit is dated September 2022. The ESRI Aerial Imagery Basemap was used for continuity in boundaries of exhibit.
2. Terrain data used in the study, from which displayed contours were created, is created from lidar collected September 2022.
3. Base spatial data for walls was taken from the same 2022 high resolution imagery. Elevations were assumed to be 4 feet higher than underlying terrain.
4. Easements shown herein were provided as supplemental data within the survey dataset.

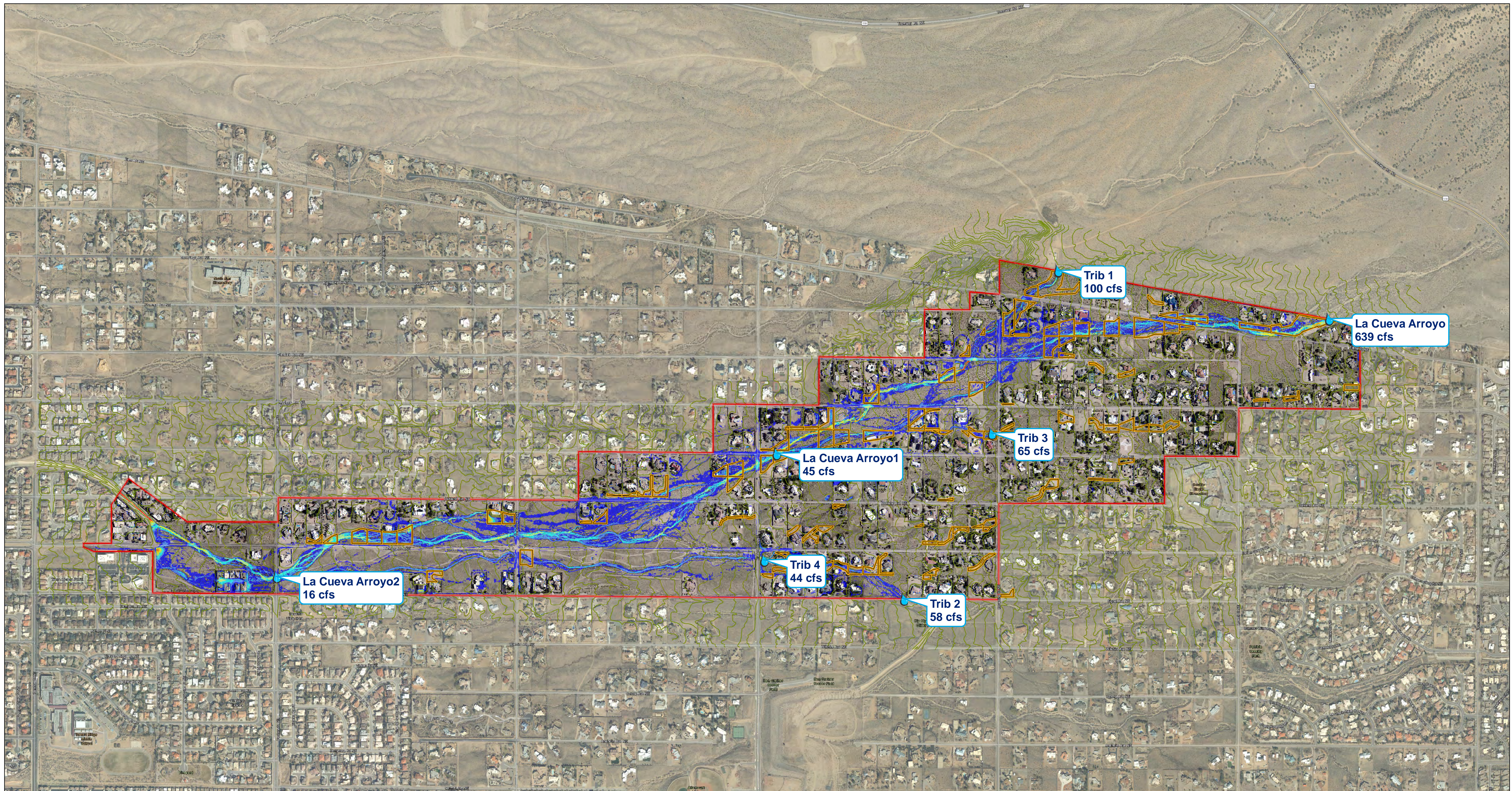
Legend

- | | | | |
|--------------------|-----------|------------------|-------------------------------|
| Depths (ft) | 1.5 - 2.0 | Inflow Locations | AMAFCA Easements |
| 0.0 - 0.5 | 2.0 - 2.5 | Modeling Extents | Mosaicked Terrain 5' Contours |
| 0.5 - 1.0 | 2.5 - 3.0 | Modeled Walls | |
| 1.0 - 1.5 | > 3.0 | | |



**Exhibit 13:
Modeling Depths
- 25 pct of
100 yr Flood
With Walls**

Date: March 9, 2023



Professional Engineer Seal



Notes:

1. Primary imagery used within study area and shown in exhibit is dated September 2022. The ESRI Aerial Imagery Basemap was used for continuity in boundaries of exhibit.
2. Terrain data used in the study, from which displayed contours were created, is created from lidar collected September 2022.
3. Base spatial data for walls was taken from the same 2022 high resolution imagery. Elevations were assumed to be 4 feet higher than underlying terrain.
4. Easements shown herein were provided as supplemental data within the survey dataset.

Legend

| | | | |
|--------------------|-----------|------------------|-------------------------------|
| Depths (ft) | 1.5 - 2.0 | Inflow Locations | AMAFCA Easements |
| 0.0 - 0.5 | 2.0 - 2.5 | Modeling Extents | Mosaicked Terrain 5' Contours |
| 0.5 - 1.0 | 2.5 - 3.0 | | |
| 1.0 - 1.5 | > 3.0 | | |

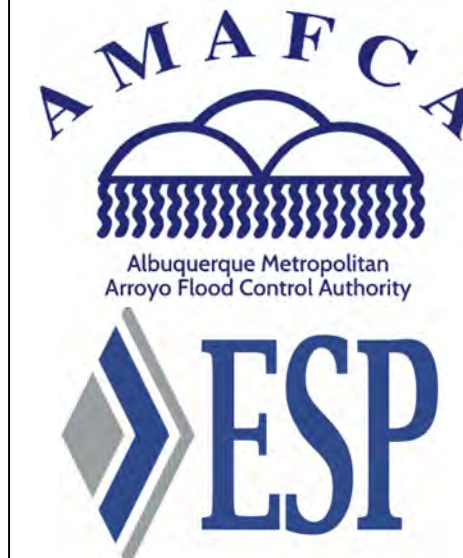
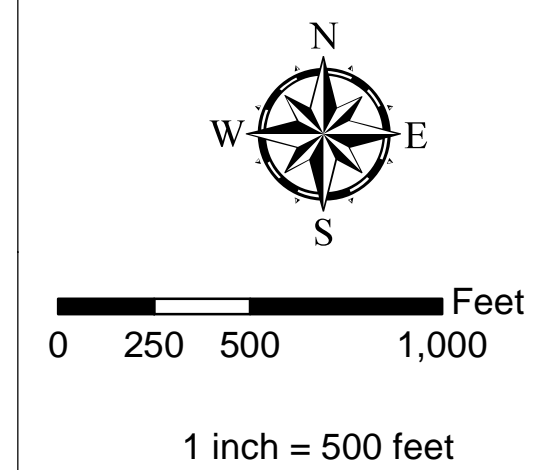
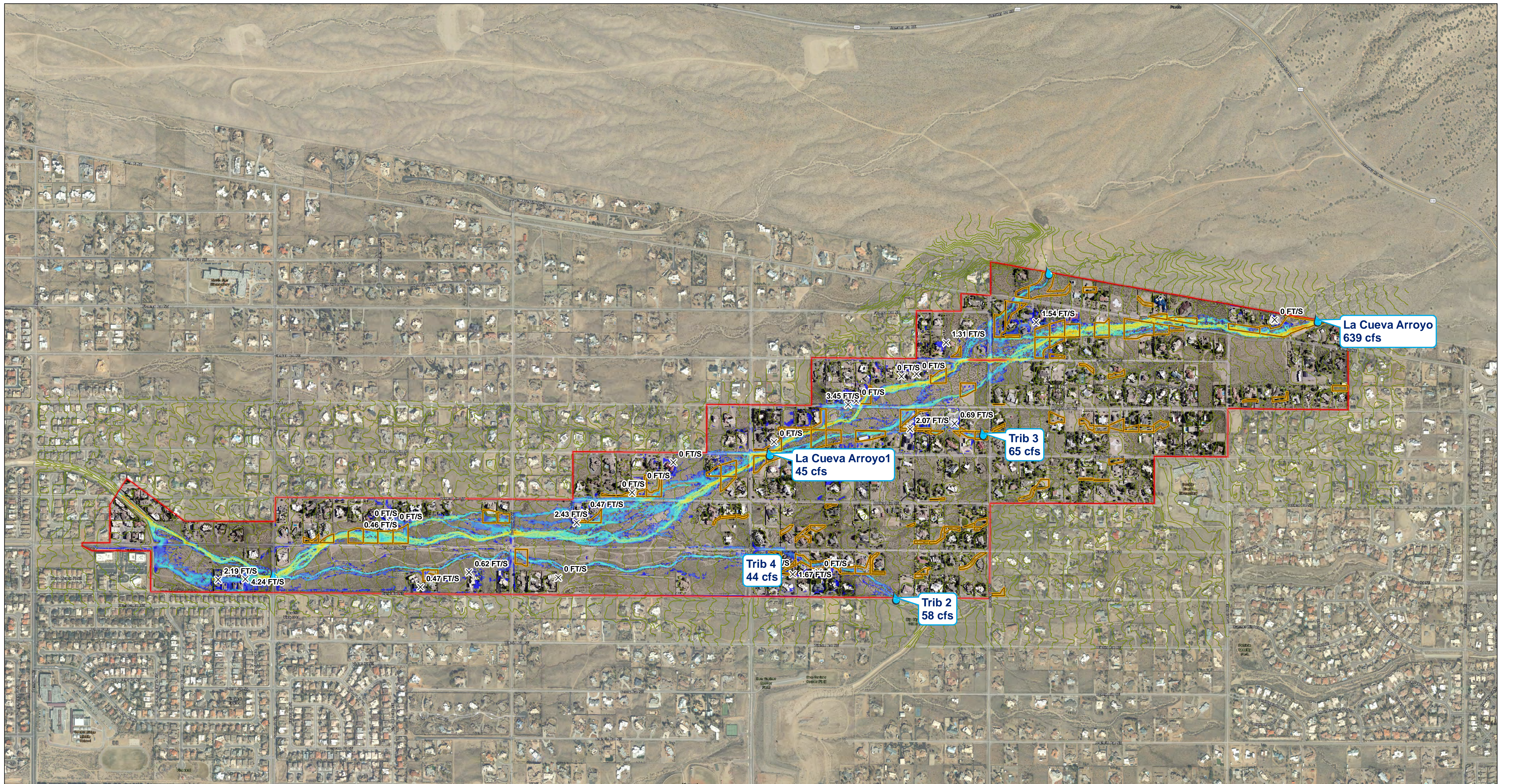


Exhibit 15:
Modeling Depths
- 25 pct of
100 yr Flood
No Walls
 Date: March 9, 2023



Professional Engineer Seal



Notes:

1. Primary imagery used within study area and shown in exhibit is dated September 2022. The ESRI Aerial Imagery Basemap was used for continuity in boundaries of exhibit.
2. Terrain data used in the study, from which displayed contours were created, is created from lidar collected September 2022.
3. Base spatial data for walls was taken from the same 2022 high resolution imagery. Elevations were assumed to be 4 feet higher than underlying terrain.
4. Easements shown herein were provided as supplemental data within the survey dataset.

Legend

Velocities (ft/s)

| | | | |
|--|-----------|--|-------------|
| | 0.0 - 1.0 | | 8.0 - 9.0 |
| | 1.0 - 2.0 | | 9.0 - 10.0 |
| | 2.0 - 3.0 | | 10.0 - 11.0 |
| | 3.0 - 4.0 | | 11.0 + |
| | 4.0 - 5.0 | | |
| | 5.0 - 6.0 | | |
| | 6.0 - 7.0 | | |
| | 7.0 - 8.0 | | |

- Inflow Locations
- Modeling Extents
- Velocity Interrogation Points

- AMAFCA Easements
- Mosaicked Terrain 5' Contours

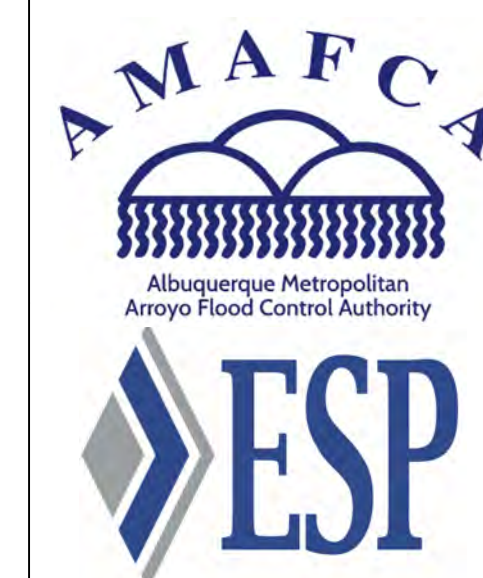
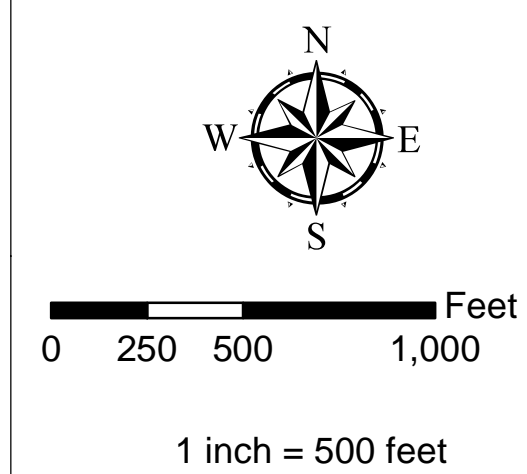


Exhibit 16:
Modeling Velocities
 - 25 pct of
100 yr Flood
No Walls
 Date: March 9, 2023