

# MARYSVALE WATER MASTER PLAN

## 2022




### MARYSVALE, UTAH

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FOR:  
 MAYOR  
 PHONE:  
 MARYSVALE TOWN  
 P.O. BOX 160  
 MARYSVALE, UT 84750

ENGINEER:



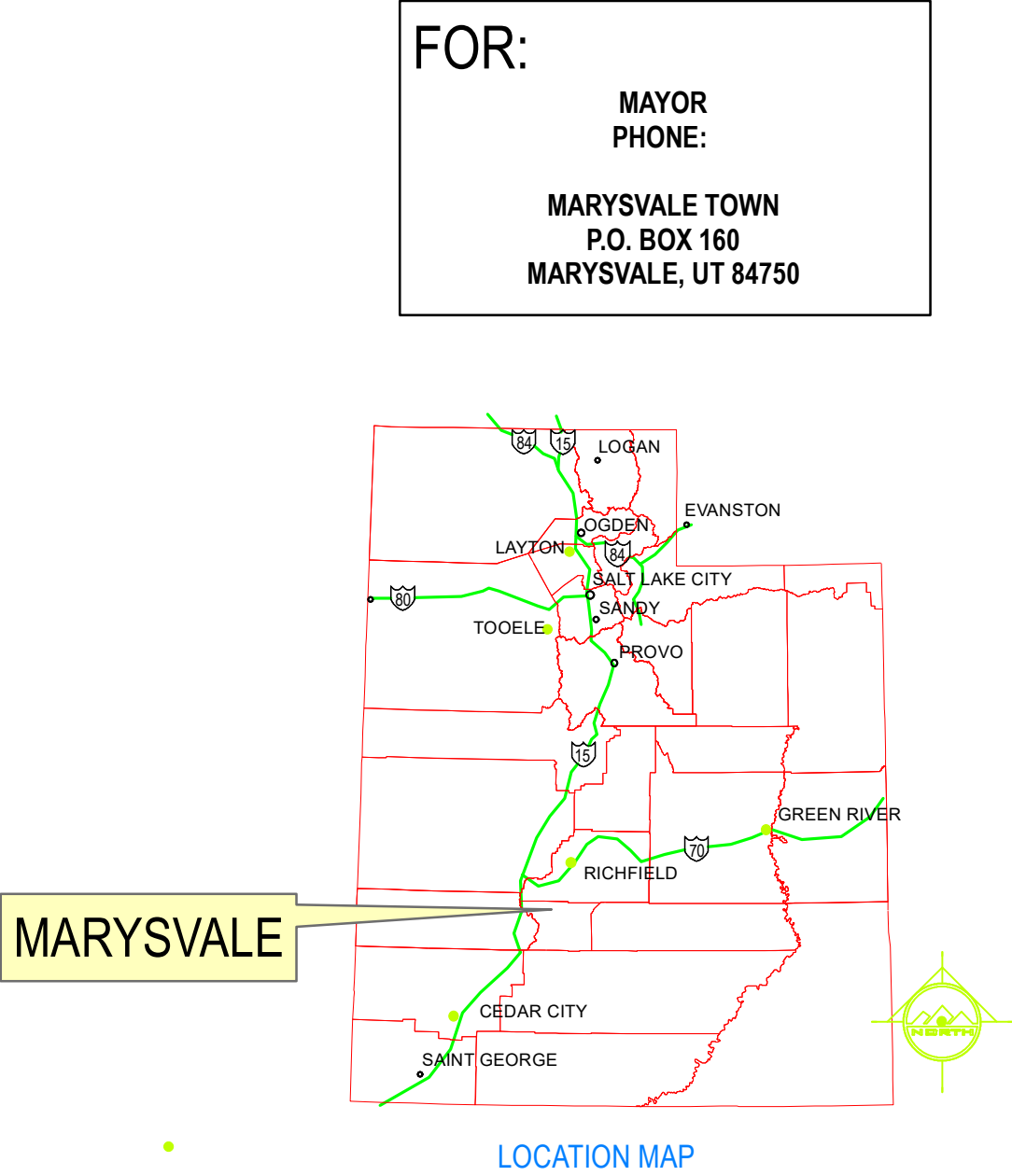
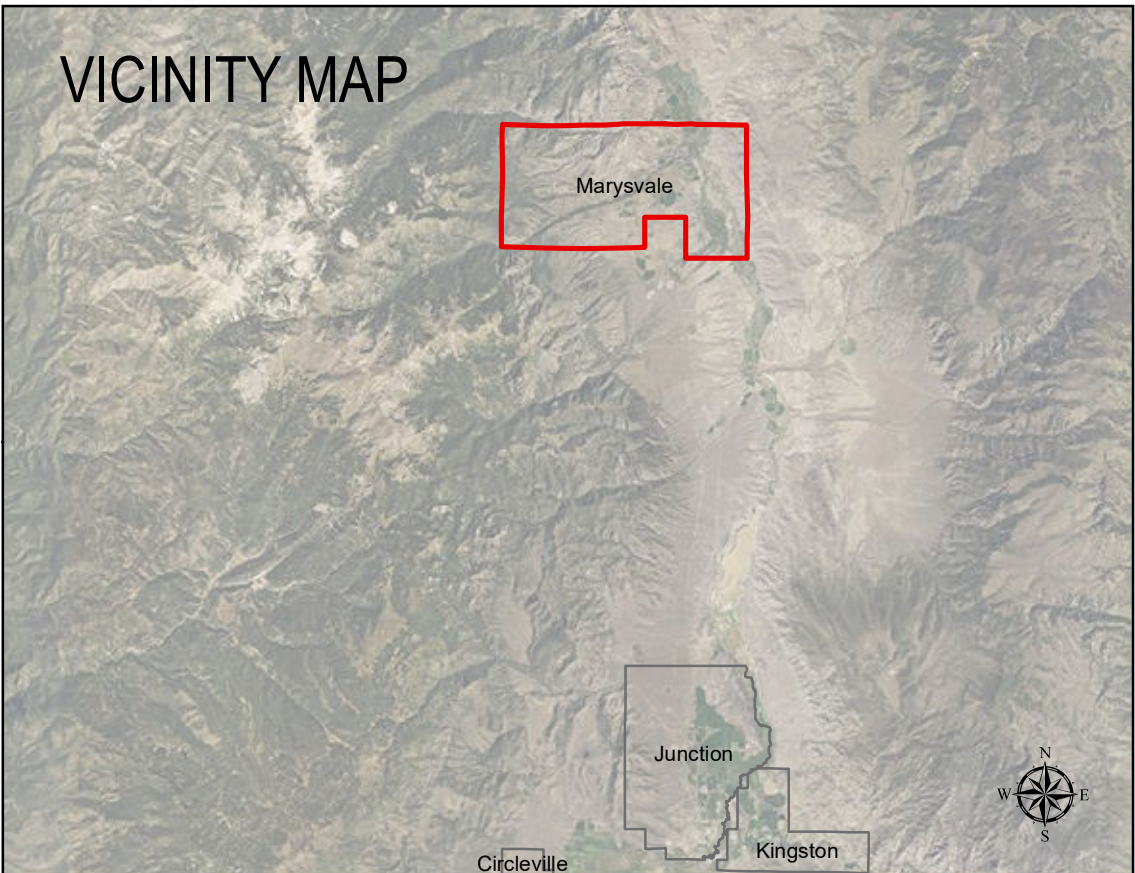
**RICHFIELD**  
 225 N. 100 E.  
 RICHFIELD, UT 84701  
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 WWW.ENSIGNENG.COM

**SALT LAKE CITY**  
 Phone 801.255.4449

**TOOELE**  
 Phone 435.843.3590

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**CEDAR CITY**  
 Phone 435.865.1453



**MARYSVALE WATER MASTER PLAN**

**SEPTEMBER 2022**

**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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**OVERALL WATER SYSTEM**

PROJECT NUMBER: 11336	PRINT DATE: 8/3/2022
DRAWN BY: D. SCHAUGAARD	CHECKED BY: K. MARCHANT
PROJECT MANAGER: K. CRANE	

**EX-010**









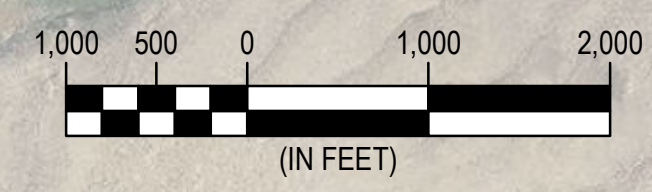
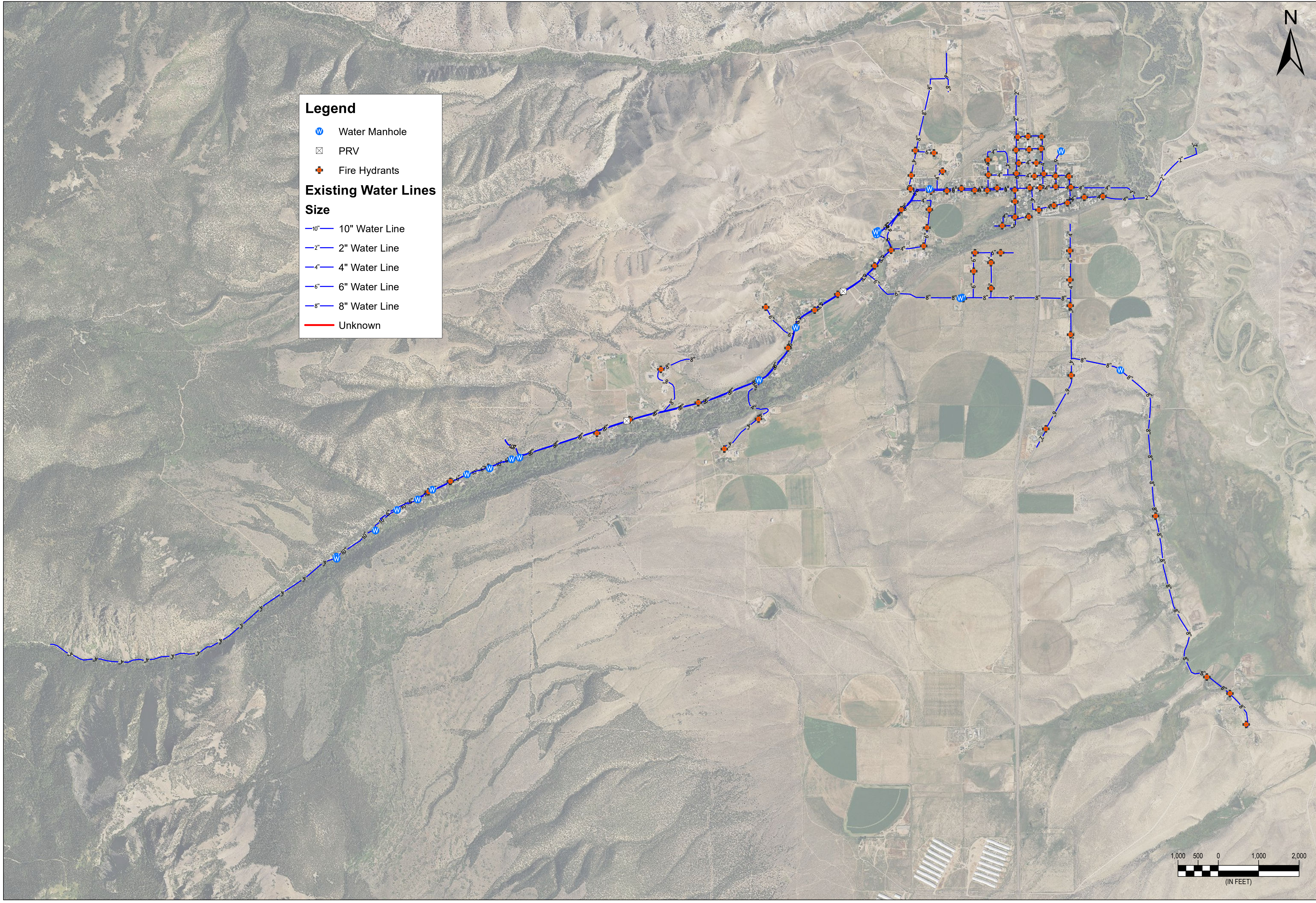
**Legend**

-  Water Manhole
-  PRV
-  Fire Hydrants

**Existing Water Lines**

**Size**

-  10" Water Line
-  2" Water Line
-  4" Water Line
-  6" Water Line
-  8" Water Line
-  Unknown



**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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**PRESSURE ZONE AND WATER SYSTEM**

PROJECT NUMBER: 11338	PRINT DATE: 5/13/2022
DRAWN BY: D. SCHAUGAARD	CHECKED BY: K. MARCHANT
PROJECT MANAGER: K. CRANE	

**EX-011**



**Legend**

- ☒ PRV
- ⊕ Fire Hydrants

**Existing Water Lines**

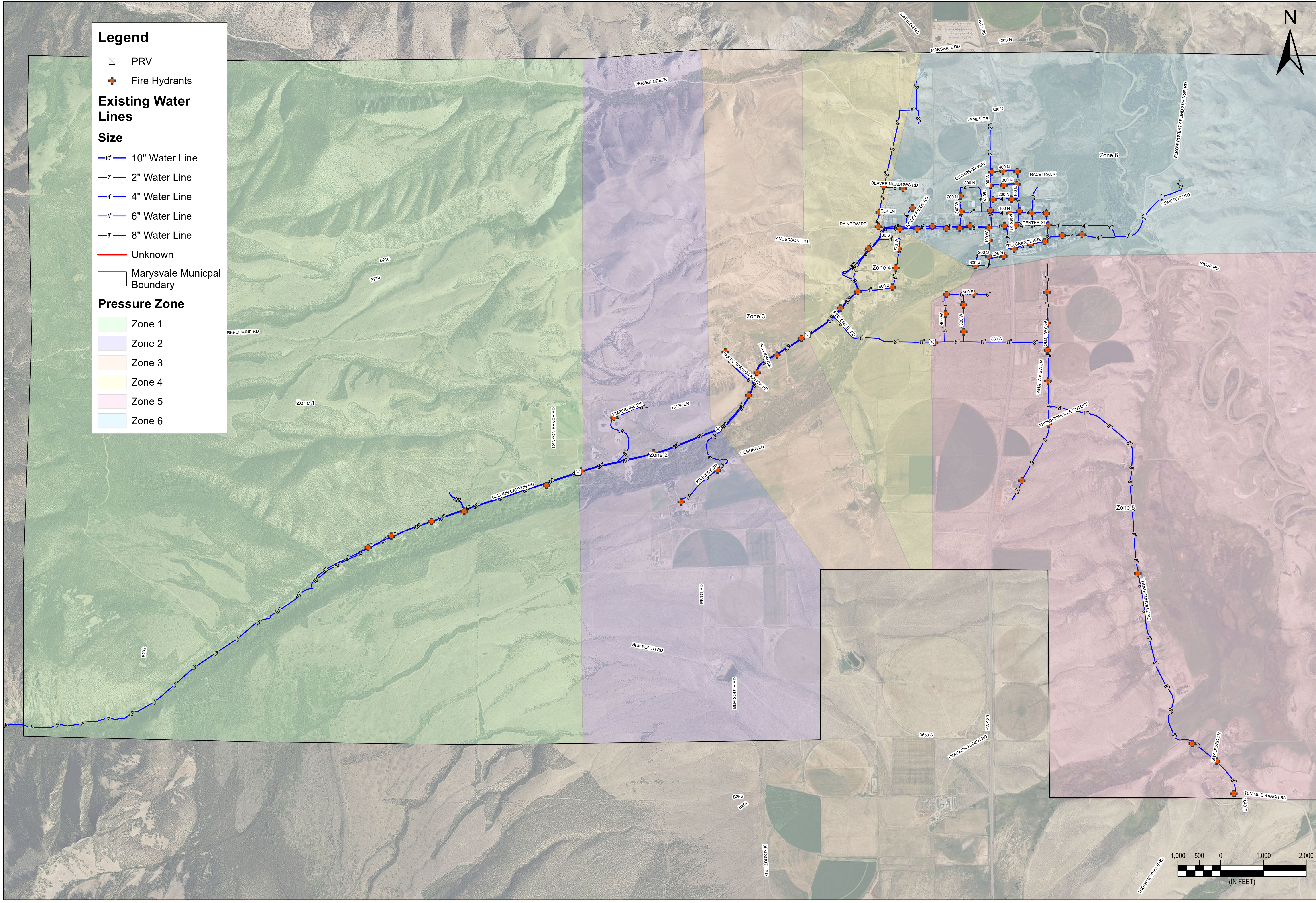
**Size**

- 10" — 10" Water Line
- 2" — 2" Water Line
- 4" — 4" Water Line
- 6" — 6" Water Line
- 8" — 8" Water Line
- Unknown

☐ Marysvale Municipal Boundary

**Pressure Zone**

- Zone 1
- Zone 2
- Zone 3
- Zone 4
- Zone 5
- Zone 6



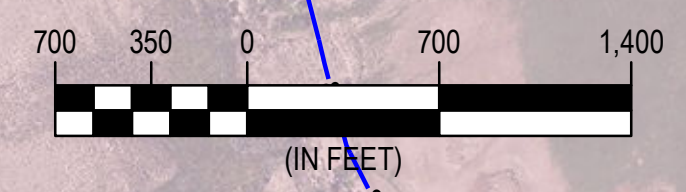
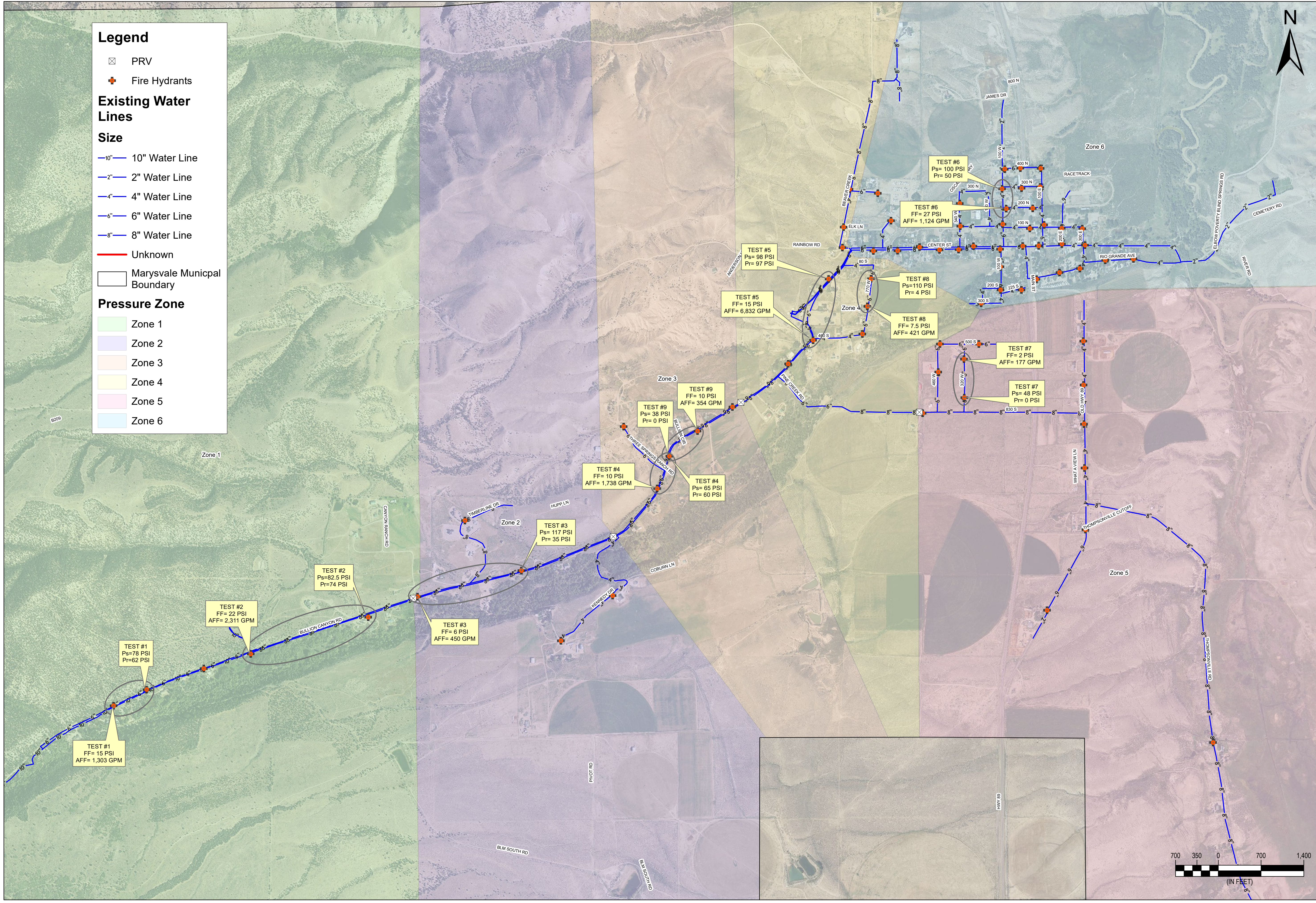
**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
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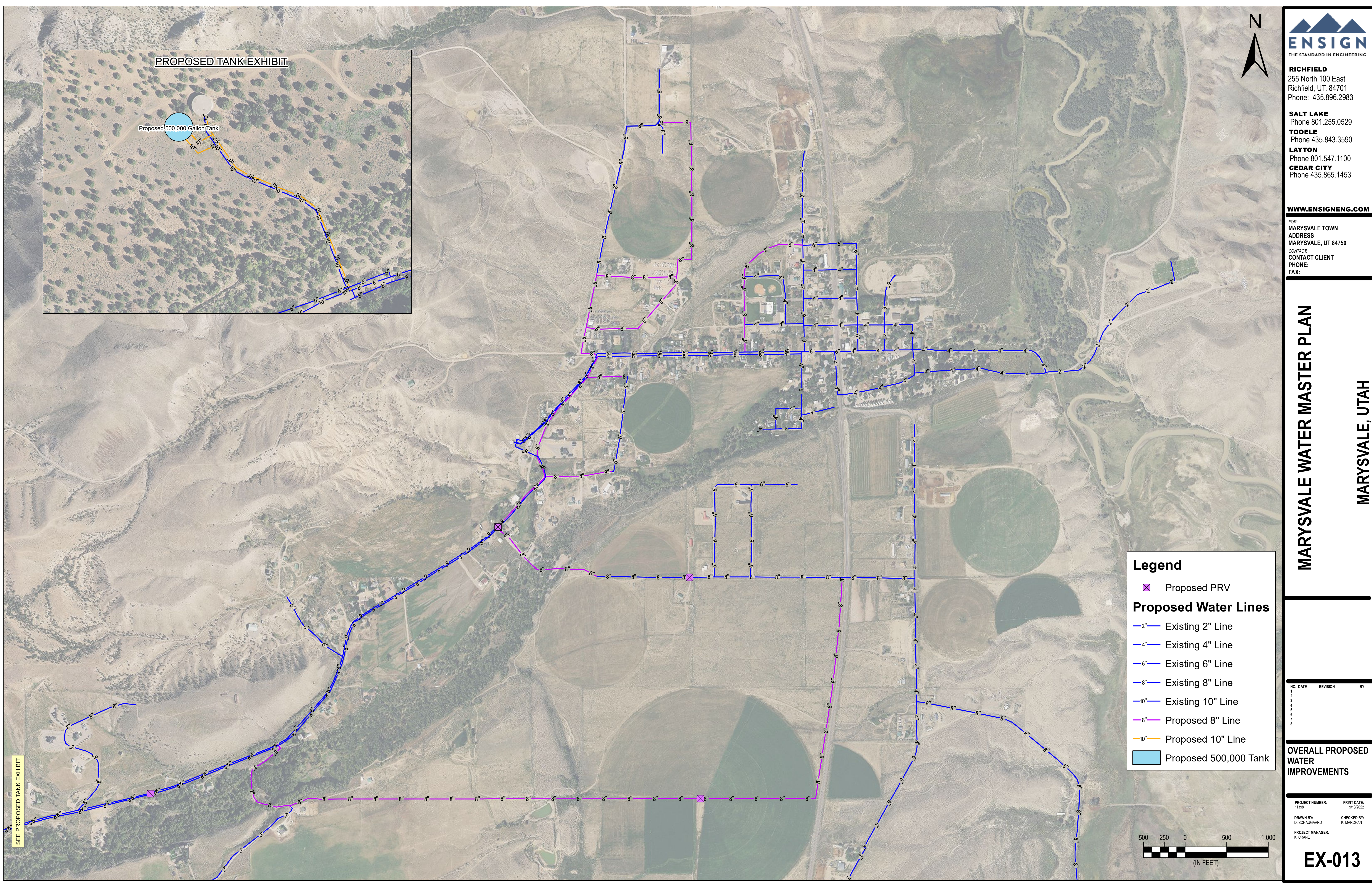
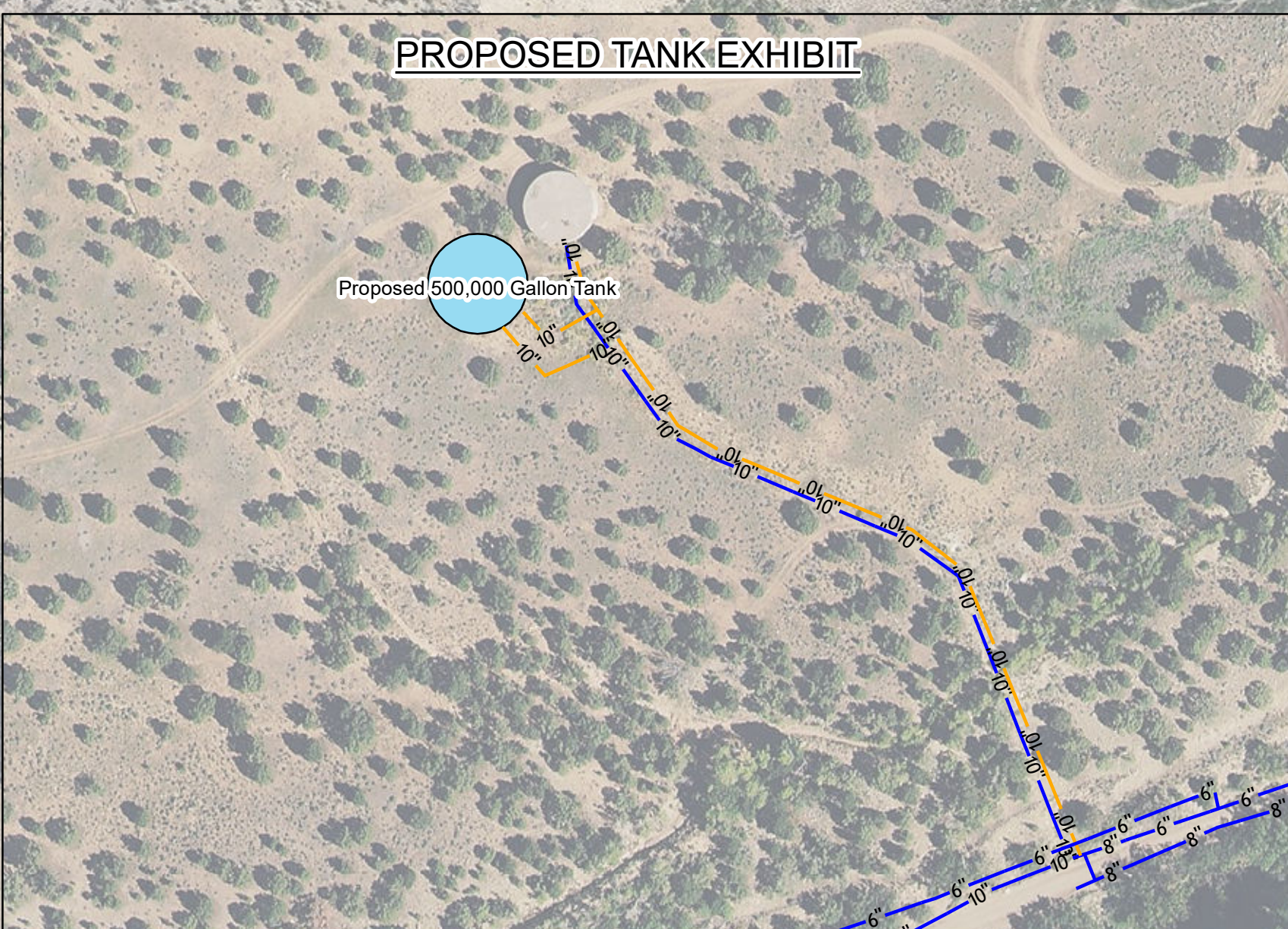
**FIRE FLOW TEST RESULTS**

PROJECT NUMBER: 11338	PRINT DATE: 5/13/2022
DRAWN BY: D. SCHAUGAARD	CHECKED BY: K. MARCHANT
PROJECT MANAGER: K. CRANE	

**EX-012**

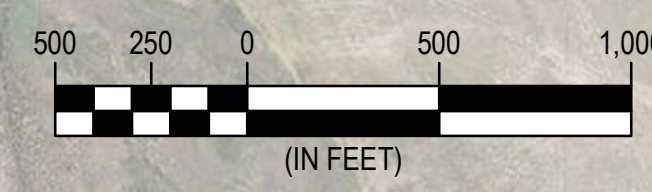


**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**



**Legend**

- Proposed PRV
- Proposed Water Lines**
- Existing 2" Line
- Existing 4" Line
- Existing 6" Line
- Existing 8" Line
- Existing 10" Line
- Proposed 8" Line
- Proposed 10" Line
- Proposed 500,000 Tank



SEE PROPOSED TANK EXHIBIT

NO.	DATE	REVISION	BY
1			
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**OVERALL PROPOSED WATER IMPROVEMENTS**

PROJECT NUMBER: 11038  
DRAWN BY: D. SCHAUGAARD  
PROJECT MANAGER: K. CRANE

PRINT DATE: 9/13/2022  
CHECKED BY: K. MARCHANT

**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**

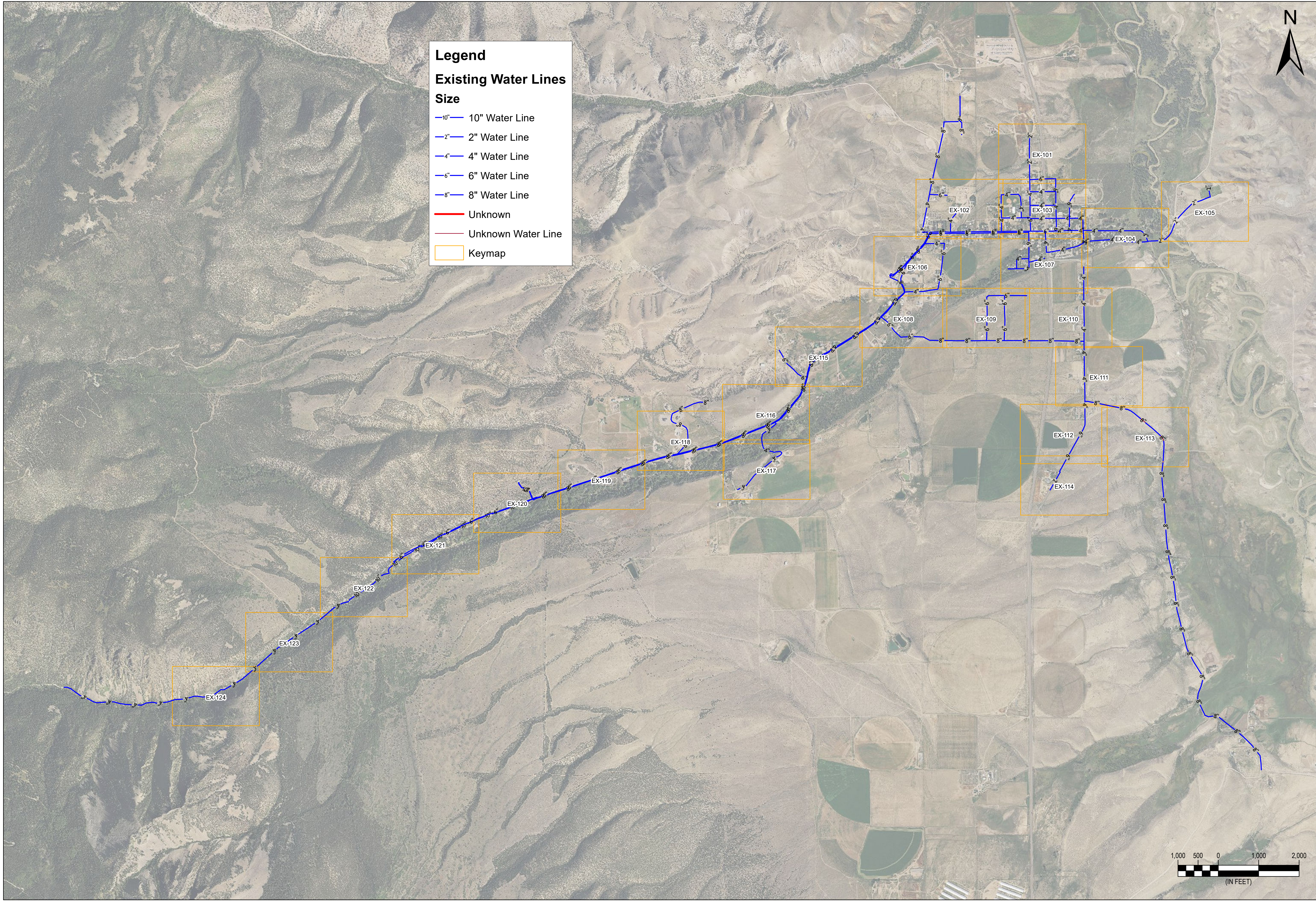


**Legend**

**Existing Water Lines**

**Size**

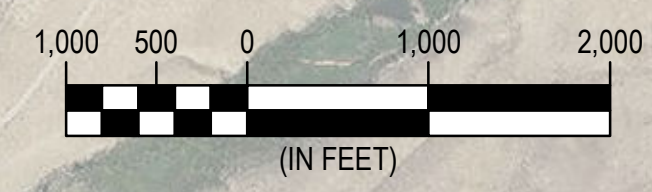
- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown
- Unknown Water Line
- Keymap



NO.	DATE	REVISION	BY
1			
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8			

**KEY MAP**

PROJECT NUMBER: 11338	PRINT DATE: 5/14/2022
DRAWN BY: D. SCHAUGAARD	CHECKED BY: K. MARCHANT
PROJECT MANAGER: K. CRANE	



**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**



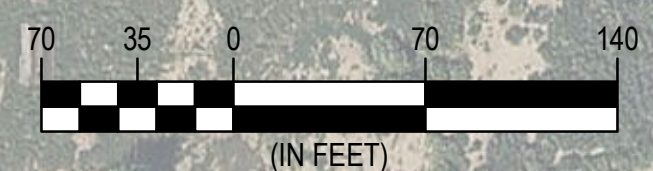
**Legend**

- ☒ PRV
- Ⓜ Water Manhole

**Existing Water Lines Size**

- 10"— 10" Water Line
- 2"— 2" Water Line
- 4"— 4" Water Line
- 6"— 6" Water Line
- 8"— 8" Water Line
- Unknown

- Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- Ⓜ Water Meter
- Rev Cloud
- Keymap



NO.	DATE	REVISION	BY
1			
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**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11038	PRINT DATE: 8/3/2022
DRAWN BY: D. SCHAUGAARD	CHECKED BY: K. MARCHANT
PROJECT MANAGER: K. CRANE	

**EX-101**



**Legend**

- ☒ PRV
- ⊕ Water Manhole

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown

- Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- Ⓜ Water Meter
- Keymap

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CONTACT CLIENT  
PHONE:  
FAX:

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

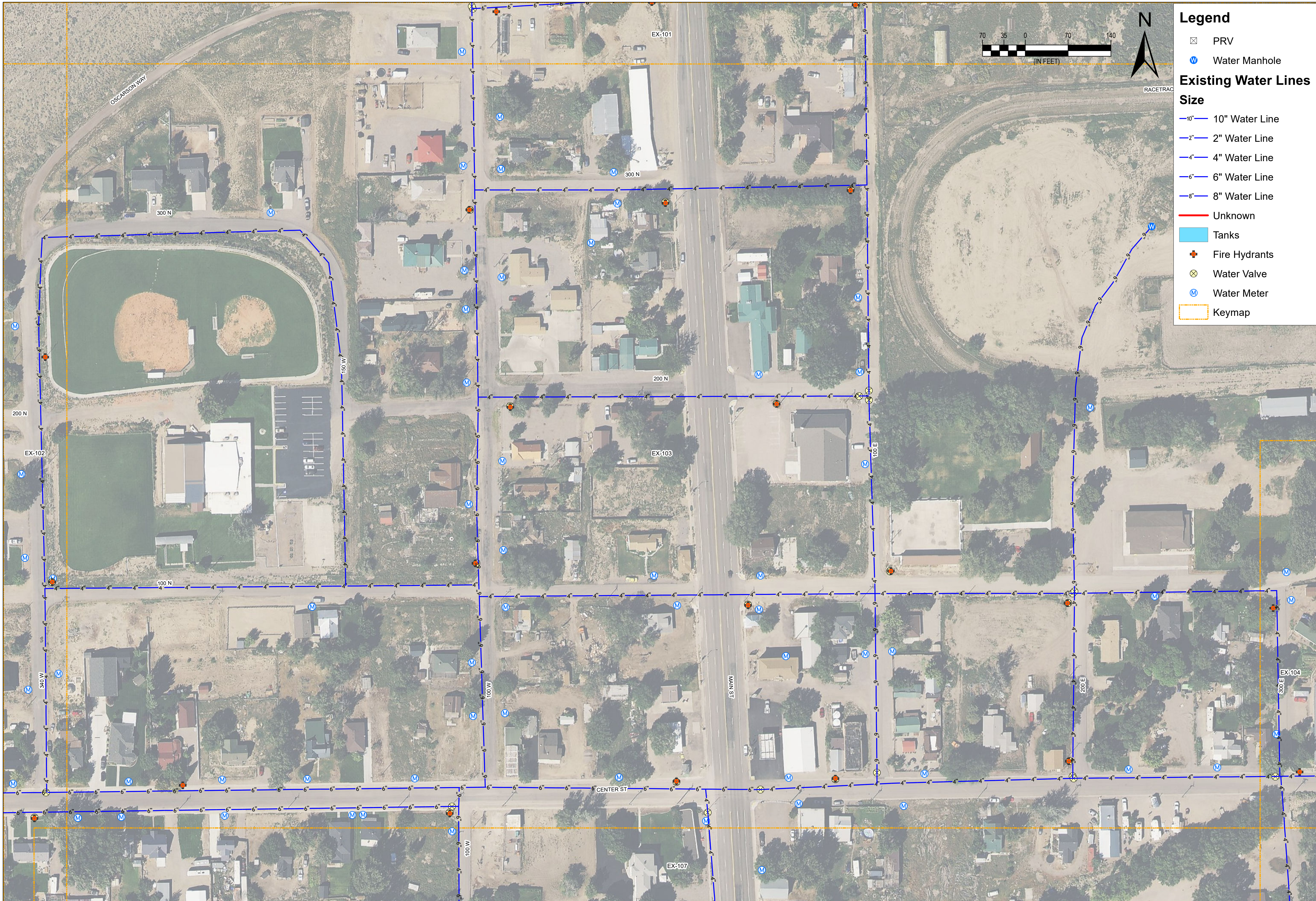
NO.	DATE	REVISION	BY

**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11038      PRINT DATE: 8/3/2022  
 DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-102**





**Legend**

- ☒ PRV
- ⊙ Water Manhole
- Existing Water Lines**
- Size**
- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown
- ☐ Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- Ⓜ Water Meter
- ☒ Keymap

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**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY

**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11338      PRINT DATE: 8/3/2022  
 DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-103**



**Legend**

- ☒ PRV
- ⊕ Water Manhole

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown

- Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- Ⓜ Water Meter
- Keymap

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FAX:

**MARYSVALE WATER MASTER PLAN**

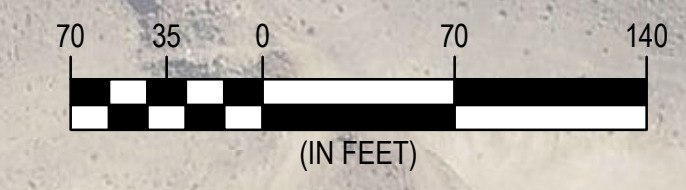
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
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**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11338      PRINT DATE: 8/3/2022  
 DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-104**



**Legend**

- ☒ PRV
- ⊕ Water Manhole

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown

- Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- ⊕ Water Meter
- ☐ Keymap

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**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
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**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11338      PRINT DATE: 8/3/2022  
 DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-105**

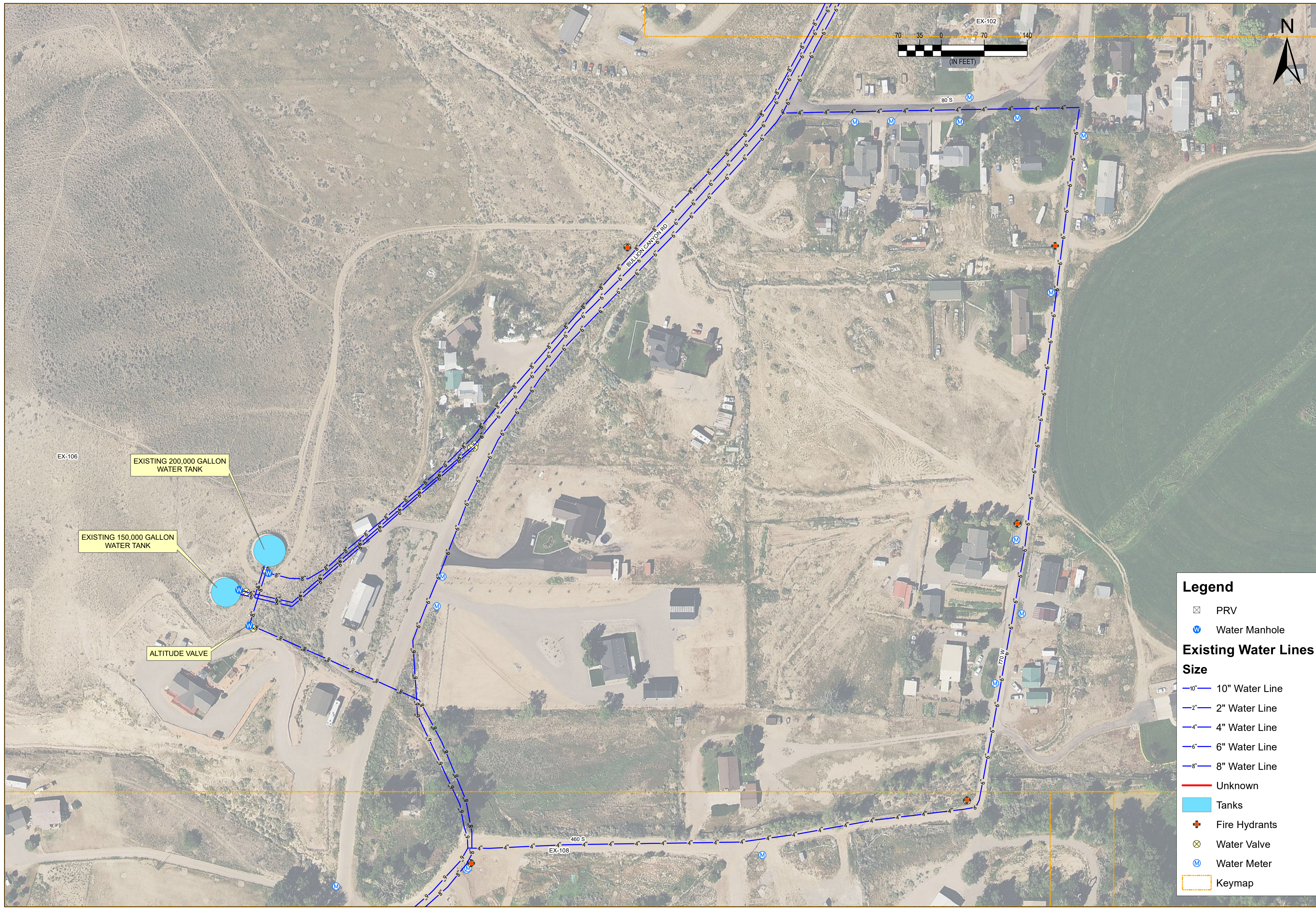
**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY

**EXISTING WATER SYSTEM**

PROJECT NUMBER: 1138	PRINT DATE: 8/30/2022
DRAWN BY: D. SCHALGAARD	CHECKED BY: K. MARCHANT
PROJECT MANAGER: K. CRANE	

**EX-106**



**Legend**

- PRV
- Water Manhole

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown

- Tanks
- Fire Hydrants
- Water Valve
- Water Meter
- Keymap

EX-106

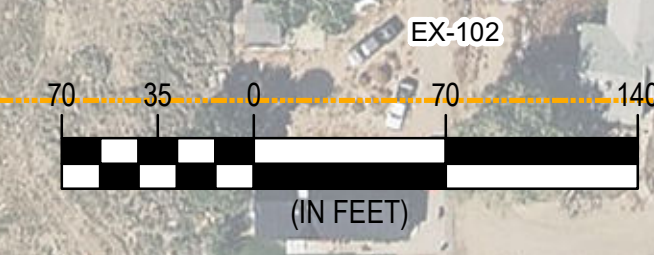
EXISTING 200,000 GALLON WATER TANK

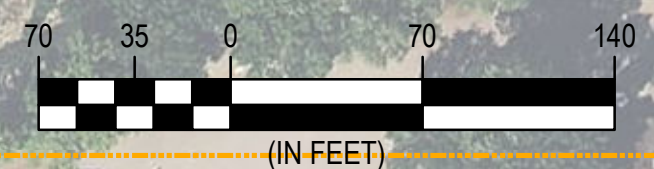
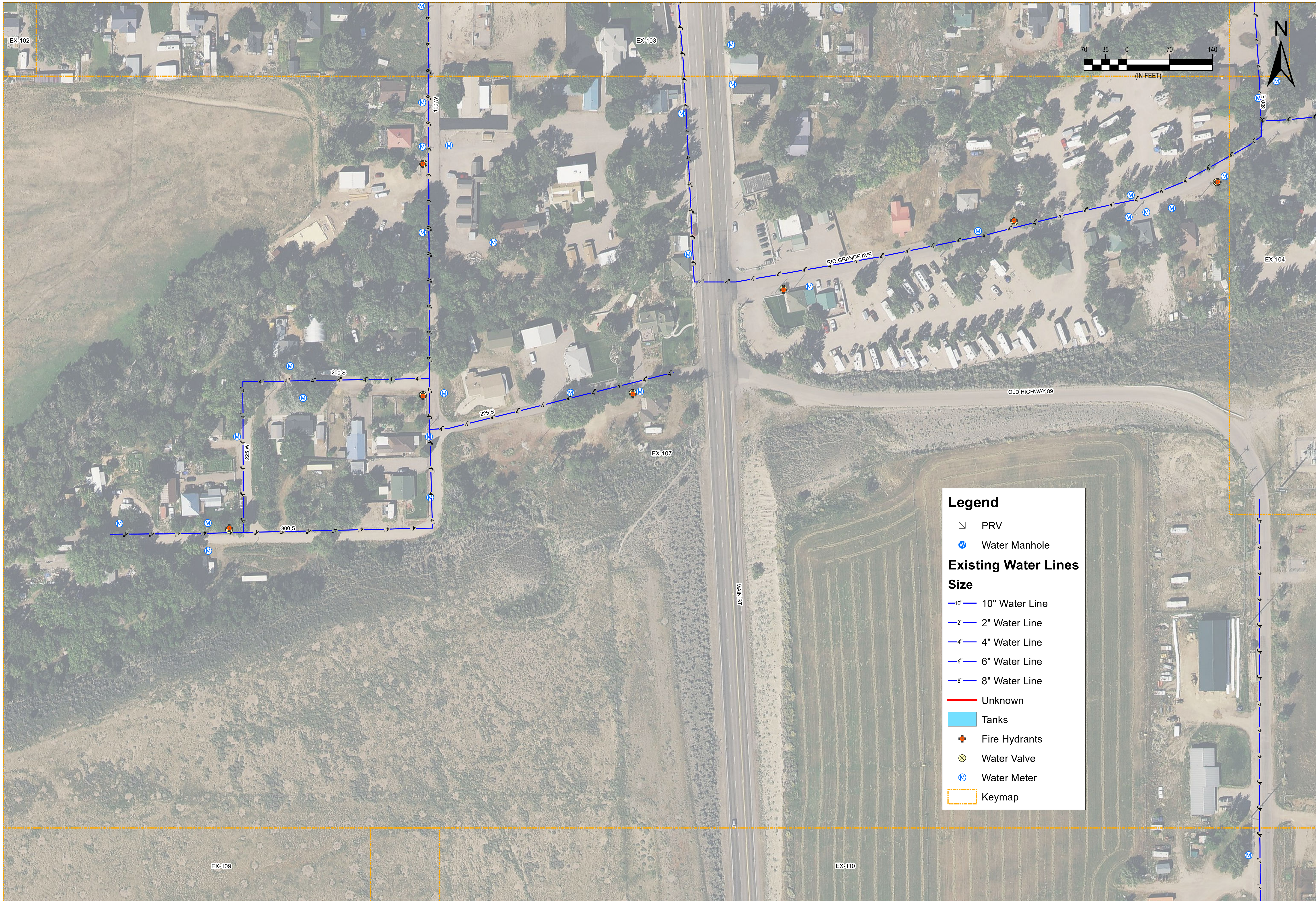
EXISTING 150,000 GALLON WATER TANK

ALTITUDE VALVE

460 S  
EX-108

770 W





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 CONTACT CLIENT  
 PHONE:  
 FAX:

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

**Legend**

- ☒ PRV
- ⊙ Water Manhole

**Existing Water Lines**

**Size**

- 10" 10" Water Line
- 2" 2" Water Line
- 4" 4" Water Line
- 6" 6" Water Line
- 8" 8" Water Line
- Unknown

- Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- ⊙ Water Meter
- Keymap

NO.	DATE	REVISION	BY
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**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11338 PRINT DATE: 8/3/2022

DRAWN BY: D. SCHAUGAARD CHECKED BY: K. MARCHANT

PROJECT MANAGER: K. CRANE

**EX-107**



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**MARYSVALE TOWN**  
 ADDRESS  
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 CONTACT  
 CONTACT CLIENT  
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 FAX:

**Legend**

- ☒ PRV
- Ⓜ Water Manhole

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown

- Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- Ⓜ Water Meter
- ☐ Keymap

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11398      PRINT DATE: 8/3/2022  
 DRAWN BY: D. SCHALGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-108**

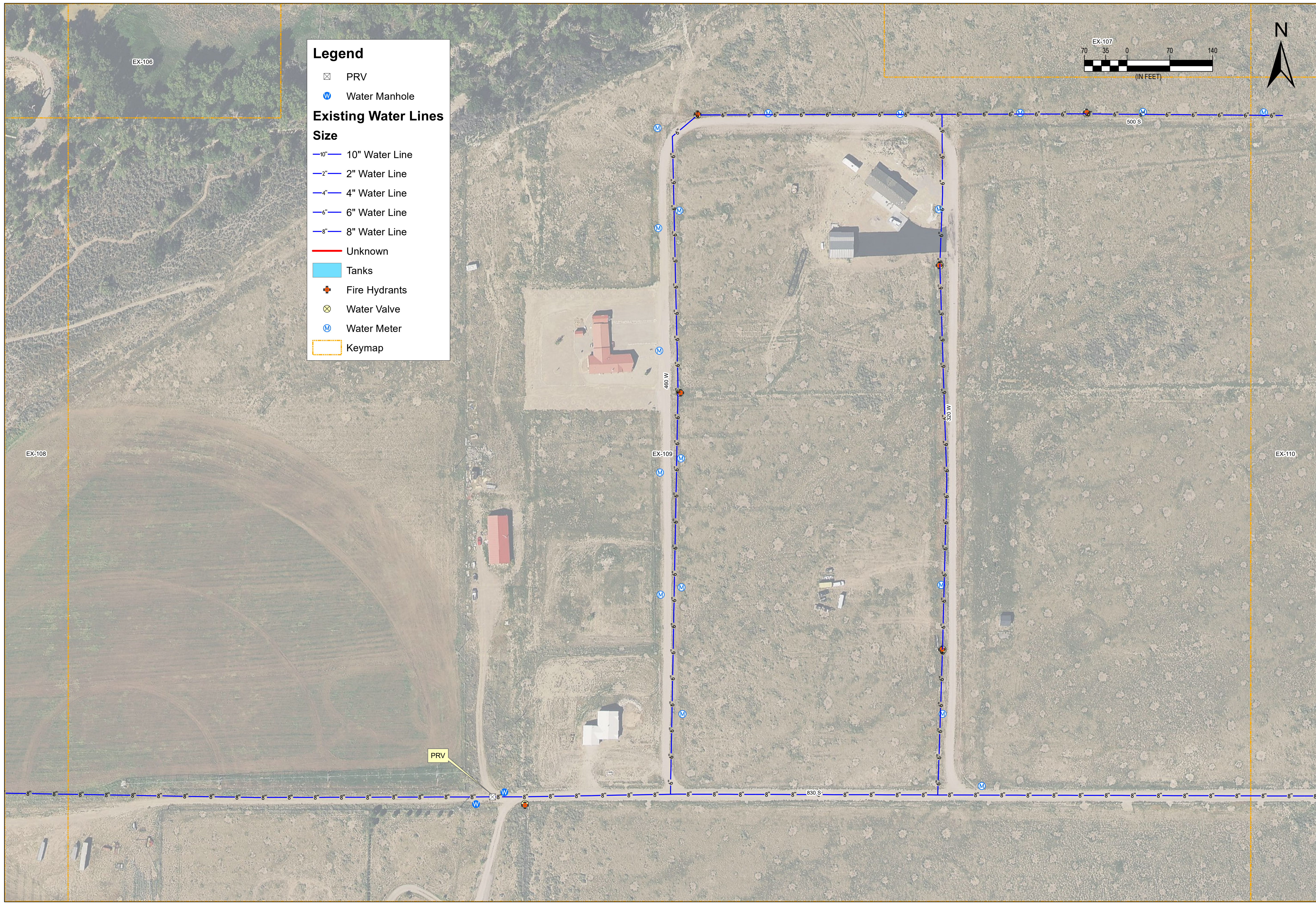
**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
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**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11338	PRINT DATE: 8/3/2022
DRAWN BY: D. SCHALGAARD	CHECKED BY: K. MARCHANT
PROJECT MANAGER: K. CRANE	

**EX-109**



**Legend**

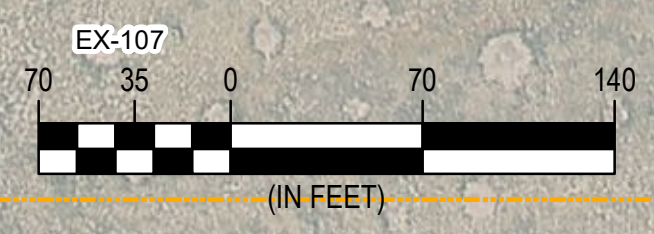
- ☒ PRV
- Ⓜ Water Manhole

**Existing Water Lines**

**Size**

- 10"— 10" Water Line
- 2"— 2" Water Line
- 4"— 4" Water Line
- 6"— 6" Water Line
- 8"— 8" Water Line
- — Unknown

- ▭ Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- Ⓜ Water Meter
- ▭ Keymap



EX-106

EX-108

EX-110

EX-109

PRV

480 W

320 W

830 S

500 S



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CONTACT:  
CONTACT CLIENT  
PHONE:  
FAX:

**Legend**

- ☒ PRV
- ⊕ Water Manhole

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown

- Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- ⊙ Water Meter
- Keymap

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

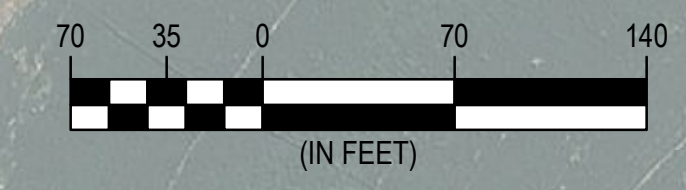
NO.	DATE	REVISION	BY
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**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11398      PRINT DATE: 8/3/2022  
 DRAWN BY: D. SCHALGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-110**





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**Legend**

- ☒ PRV
- Ⓜ Water Manhole

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown

- Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- Ⓜ Water Meter
- ☐ Keymap

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
2			
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**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11338      PRINT DATE: 8/3/2022  
 DRAWN BY: D. SCHALGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-111**



**ENSIGN**  
THE STANDARD IN ENGINEERING

**RICHFIELD**  
255 North 100 East  
Richfield, UT. 84701  
Phone: 435.896.2983

**SALT LAKE**  
Phone 801.255.0529

**TOOELE**  
Phone 435.843.3590

**LAYTON**  
Phone 801.547.1100

**CEDAR CITY**  
Phone 435.865.1453

[WWW.ENSIGNENG.COM](http://WWW.ENSIGNENG.COM)

FOR:  
MARYSVALE TOWN  
ADDRESS  
MARYSVALE, UT 84750

CONTACT:  
CONTACT CLIENT  
PHONE:  
FAX:

**Legend**

- ☒ PRV
- ⊕ Water Manhole

**Existing Water Lines**

**Size**

- 10"— 10" Water Line
- 2"— 2" Water Line
- 4"— 4" Water Line
- 6"— 6" Water Line
- 8"— 8" Water Line
- Unknown

- ☐ Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- ⊕ Water Meter
- ☒ Keymap

**MARYSVALE WATER MASTER PLAN**

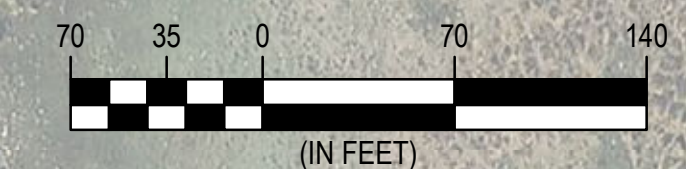
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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**EXISTING WATER SYSTEM**

PROJECT NUMBER: 1138	PRINT DATE: 8/3/2022
DRAWN BY: D. SCHAUGAARD	CHECKED BY: K. MARCHANT
PROJECT MANAGER: K. CRANE	

**EX-112**



**Legend**

- ☒ PRV
- ⊕ Water Manhole

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown
- Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- ⊕ Water Meter
- Keymap



**RICHFIELD**  
 255 North 100 East  
 Richfield, UT. 84701  
 Phone: 435.896.2983

**SALT LAKE**  
 Phone 801.255.0529

**TOOELE**  
 Phone 435.843.3590

**LAYTON**  
 Phone 801.547.1100

**CEDAR CITY**  
 Phone 435.865.1453

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FOR:  
 MARYSVALE TOWN  
 ADDRESS  
 MARYSVALE, UT 84750  
 CONTACT:  
 CONTACT CLIENT  
 PHONE:  
 FAX:

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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4			
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6			
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**EXISTING WATER SYSTEM**

PROJECT NUMBER: 1138	PRINT DATE: 8/3/2022
DRAWN BY: D. SCHAUGAARD	CHECKED BY: K. MARCHANT
PROJECT MANAGER: K. CRANE	

**EX-113**



**Legend**

- ☒ PRV
  - ⊕ Water Manhole
- Existing Water Lines**
- Size**
- 10" 10" Water Line
  - 2" 2" Water Line
  - 4" 4" Water Line
  - 6" 6" Water Line
  - 8" 8" Water Line
  - Unknown
- Tanks
  - ⊕ Fire Hydrants
  - ⊗ Water Valve
  - Ⓜ Water Meter
  - Keymap



**RICHFIELD**  
 255 North 100 East  
 Richfield, UT. 84701  
 Phone: 435.896.2983

**SALT LAKE**  
 Phone 801.255.0529

**TOOELE**  
 Phone 435.843.3590

**LAYTON**  
 Phone 801.547.1100

**CEDAR CITY**  
 Phone 435.865.1453

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 MARYSVALE TOWN  
 ADDRESS  
 MARYSVALE, UT 84750  
 CONTACT  
 CONTACT CLIENT  
 PHONE:  
 FAX:

**MARYSVALE WATER MASTER PLAN**

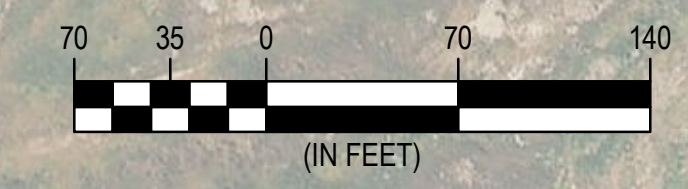
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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8			

**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11398      PRINT DATE: 8/3/2022  
 DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-114**



**RICHFIELD**  
 255 North 100 East  
 Richfield, UT. 84701  
 Phone: 435.896.2983

**SALT LAKE**  
 Phone 801.255.0529

**TOOELE**  
 Phone 435.843.3590

**LAYTON**  
 Phone 801.547.1100

**CEDAR CITY**  
 Phone 435.865.1453

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FOR:  
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 ADDRESS  
 MARYSVALE, UT 84750  
 CONTACT CLIENT  
 PHONE:  
 FAX:

**Legend**

- ☒ PRV
- ⊕ Water Manhole

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown

- Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- ⊕ Water Meter
- ☐ Keymap

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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4			
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7			

**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11398      PRINT DATE: 8/3/2022  
 DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-115**

EX-116

**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
2			
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4			
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7			
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**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11398	PRINT DATE: 8/3/2022
DRAWN BY: D. SCHAUGAARD	CHECKED BY: K. MARCHANT
PROJECT MANAGER: K. CRANE	

**EX-116**



**Legend**

- PRV
- Water Manhole

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown

- Tanks
- Fire Hydrants
- Water Valve
- Water Meter
- Keymap



**RICHFIELD**  
 255 North 100 East  
 Richfield, UT. 84701  
 Phone: 435.896.2983

**SALT LAKE**  
 Phone 801.255.0529

**TOOELE**  
 Phone 435.843.3590

**LAYTON**  
 Phone 801.547.1100

**CEDAR CITY**  
 Phone 435.865.1453

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FOR:  
**MARYSVALE TOWN**  
 ADDRESS  
 MARYSVALE, UT 84750  
 CONTACT:  
 CONTACT CLIENT  
 PHONE:  
 FAX:

**Legend**

- ☒ PRV
- ⊕ Water Manhole

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown

- Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- ⊕ Water Meter
- ☐ Keymap

**MARYSVALE WATER MASTER PLAN**

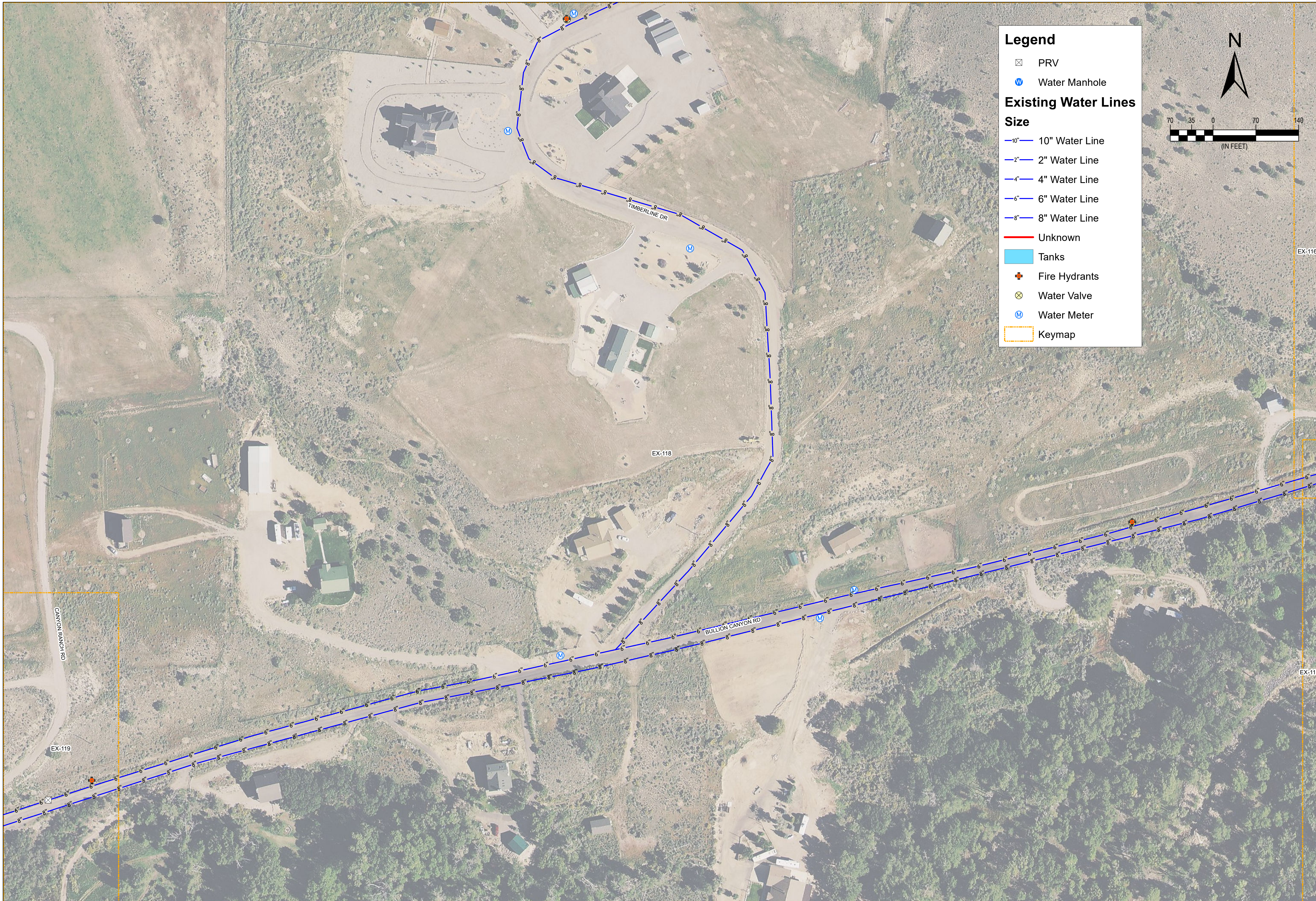
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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**EXISTING WATER SYSTEM**

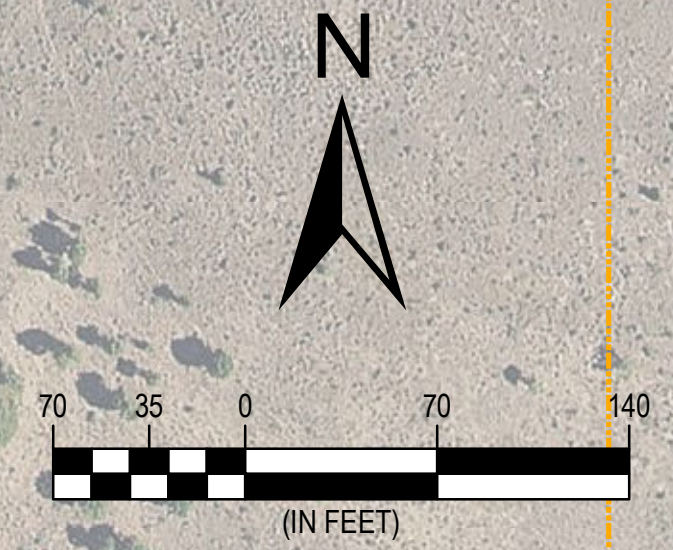
PROJECT NUMBER: 11338      PRINT DATE: 8/3/2022  
 DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-117**



**Legend**

- ☒ PRV
  - Ⓜ Water Manhole
- Existing Water Lines**
- Size**
- 10" Water Line
  - 2" Water Line
  - 4" Water Line
  - 6" Water Line
  - 8" Water Line
  - Unknown
- Tanks
  - ⊕ Fire Hydrants
  - ⊗ Water Valve
  - Ⓜ Water Meter
  - Keymap



**ENSIGN**  
THE STANDARD IN ENGINEERING

**RICHFIELD**  
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Richfield, UT. 84701  
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**SALT LAKE**  
Phone 801.255.0529

**TOOELE**  
Phone 435.843.3590

**LAYTON**  
Phone 801.547.1100

**CEDAR CITY**  
Phone 435.865.1453

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FOR:  
MARYSVALE TOWN  
ADDRESS  
MARYSVALE, UT 84750

CONTACT:  
CONTACT CLIENT  
PHONE:  
FAX:

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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**EXISTING WATER SYSTEM**

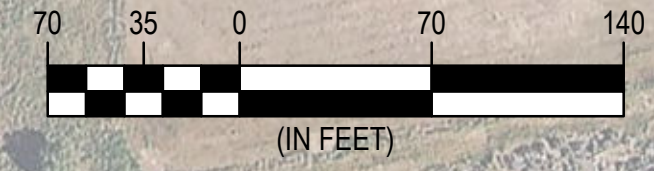
PROJECT NUMBER: 11398      PRINT DATE: 8/3/2022

DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT

PROJECT MANAGER: K. CRANE

**EX-118**





**RICHFIELD**  
 255 North 100 East  
 Richfield, UT. 84701  
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 Phone 801.255.0529

**TOOELE**  
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 MARYSVALE, UT 84750  
 CONTACT  
 CONTACT CLIENT  
 PHONE:  
 FAX:

**Legend**

- ☒ PRV
- ⊕ Water Manhole
- Existing Water Lines**
- Size**
- 10" 10" Water Line
- 2" 2" Water Line
- 4" 4" Water Line
- 6" 6" Water Line
- 8" 8" Water Line
- Unknown
- Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- Ⓜ Water Meter
- ☐ Keymap

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

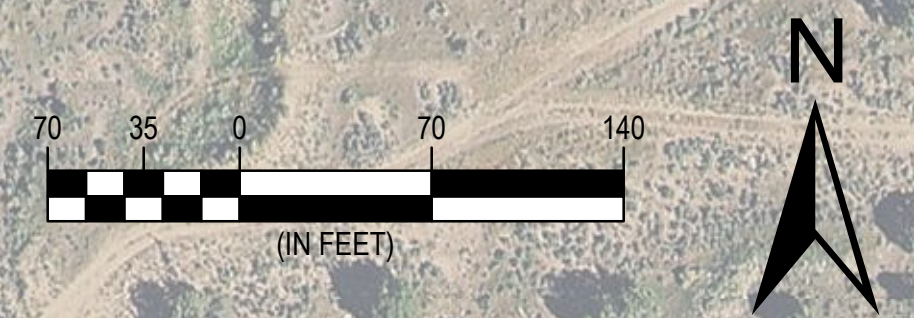
NO.	DATE	REVISION	BY
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**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11398      PRINT DATE: 8/3/2022  
 DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-119**

**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**



EXISTING 250,000 GALLON WATER TANK



**Legend**

- ☒ PRV
- ⊕ Water Manhole

**Existing Water Lines**

**Size**

- 10" — 10" Water Line
- 2" — 2" Water Line
- 4" — 4" Water Line
- 6" — 6" Water Line
- 8" — 8" Water Line
- — Unknown

- Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- ⊕ Water Meter
- ⬡ Keymap

NO.	DATE	REVISION	BY
1			
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**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11398	PRINT DATE: 8/3/2022
DRAWN BY: D. SCHAUGAARD	CHECKED BY: K. MARCHANT
PROJECT MANAGER: K. CRANE	

**EX-120**

**RICHFIELD**  
255 North 100 East  
Richfield, UT. 84701  
Phone: 435.896.2983

**SALT LAKE**  
Phone 801.255.0529

**TOOELE**  
Phone 435.843.3590

**LAYTON**  
Phone 801.547.1100

**CEDAR CITY**  
Phone 435.865.1453



[WWW.ENSGNENG.COM](http://WWW.ENSGNENG.COM)

FOR:  
MARYSVALE TOWN  
ADDRESS  
MARYSVALE, UT 84750  
CONTACT:  
CONTACT CLIENT  
PHONE:  
FAX:

**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**














**Legend**

-  PRV
-  Water Manhole

**Existing Water Lines**

**Size**

-  10" Water Line
-  2" Water Line
-  4" Water Line
-  6" Water Line
-  8" Water Line
-  Unknown

-  Tanks
-  Fire Hydrants
-  Water Valve
-  Water Meter
-  Keymap

NO.	DATE	REVISION	BY
1			
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**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11398      PRINT DATE: 8/3/2022  
 DRAWN BY: D. SCHALGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-121**



**ENSGN**  
THE STANDARD IN ENGINEERING

**RICHFIELD**  
255 North 100 East  
Richfield, UT. 84701  
Phone: 435.896.2983

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**TOOELE**  
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**LAYTON**  
Phone 801.547.1100

**CEDAR CITY**  
Phone 435.865.1453

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FOR:  
MARYSVALE TOWN  
ADDRESS  
MARYSVALE, UT 84750  
CONTACT:  
CONTACT CLIENT  
PHONE:  
FAX:

**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**

**Legend**

- ☒ PRV
- ⊕ Water Manhole

**Existing Water Lines**

**Size**

- 10" — 10" Water Line
- 2" — 2" Water Line
- 4" — 4" Water Line
- 6" — 6" Water Line
- 8" — 8" Water Line
- Unknown

- Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- ⊕ Water Meter
- ☐ Keymap

NO.	DATE	REVISION	BY
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**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11398      PRINT DATE: 8/3/2022  
 DRAWN BY: D. SCHALGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-122**



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THE STANDARD IN ENGINEERING

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Phone: 435.896.2983

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**TOOELE**  
Phone 435.843.3590

**LAYTON**  
Phone 801.547.1100

**CEDAR CITY**  
Phone 435.865.1453

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FOR:  
MARYSVALE TOWN  
ADDRESS  
MARYSVALE, UT 84750  
CONTACT:  
CONTACT CLIENT  
PHONE:  
FAX:

**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**

**Legend**

- ☒ PRV
- ⊙ Water Manhole

**Existing Water Lines**

**Size**

- 10" 10" Water Line
- 2" 2" Water Line
- 4" 4" Water Line
- 6" 6" Water Line
- 8" 8" Water Line
- Unknown

- Tanks
- ⊕ Fire Hydrants
- ⊗ Water Valve
- Ⓜ Water Meter
- ☐ Keymap

NO.	DATE	REVISION	BY
1			
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**EXISTING WATER SYSTEM**

PROJECT NUMBER: 11398      PRINT DATE: 8/3/2022  
 DRAWN BY: D. SCHALGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-124**

**Legend**

**Existing Peak Inst. Results**

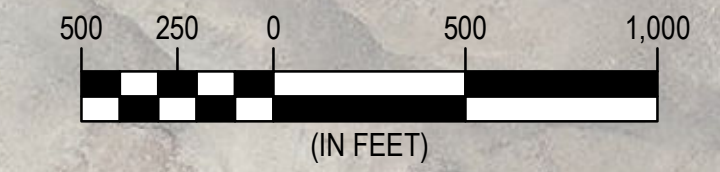
**Pressures**

- 0 - 30 PSI
- 30 - 120 PSI
- Above 120 PSI
- ☒ PRV

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown



**RICHFIELD**  
255 North 100 East  
Richfield, UT. 84701  
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**LAYTON**  
Phone 801.547.1100

**CEDAR CITY**  
Phone 435.865.1453

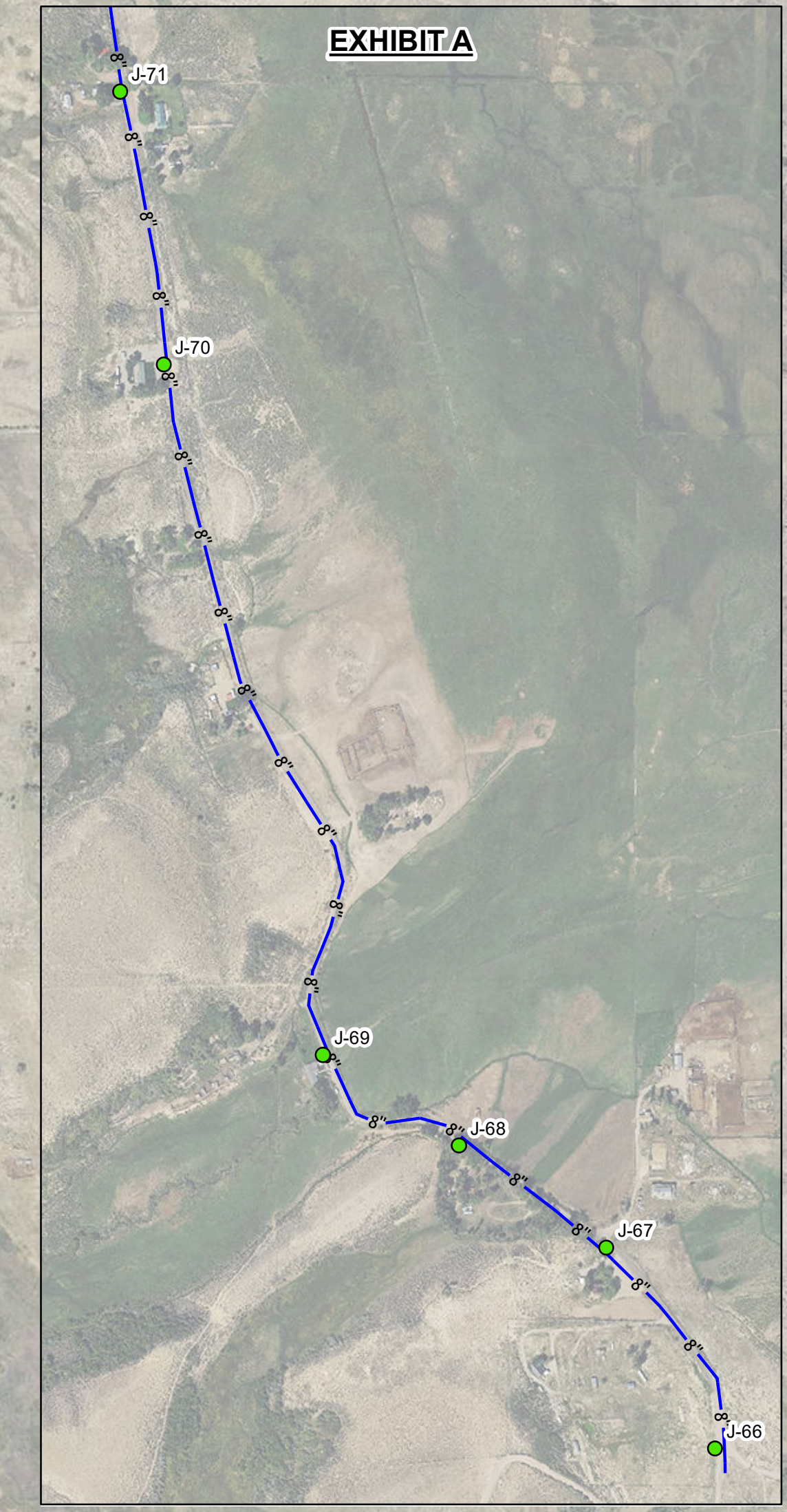
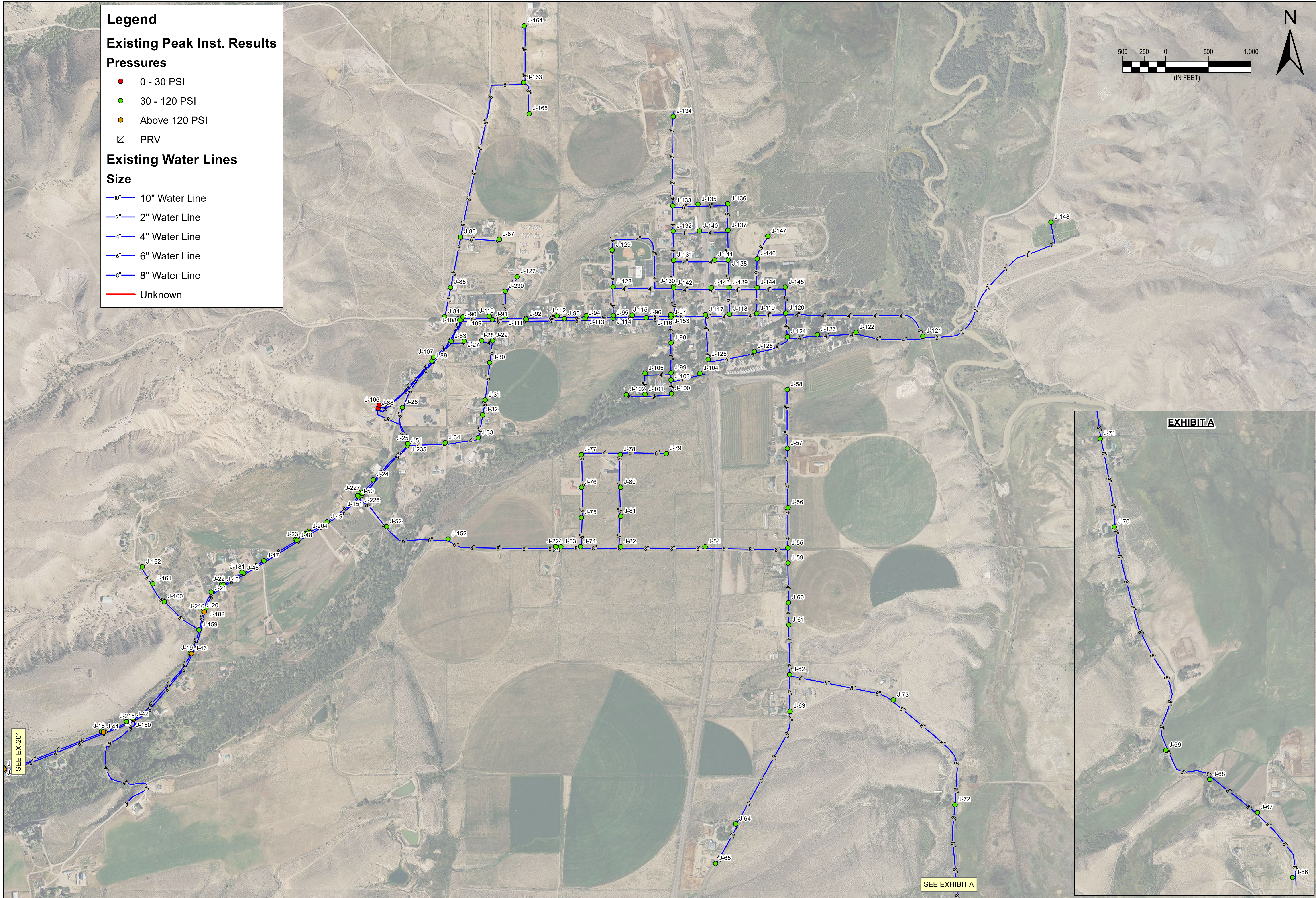
[WWW.ENSIGNENG.COM](http://WWW.ENSIGNENG.COM)

FOR:  
**MARYSVALE TOWN**  
P.O. BOX 160  
MARYSVALE, UT 84750

CONTACT:  
**CONTACT CLIENT**  
PHONE:  
FAX:

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**



NO.	DATE	REVISION	BY
1			
2			
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**EXISTING PEAK INSTANTANEOUS DEMAND**

PROJECT NUMBER: 11338 PRINT DATE: 8/2/2022  
 DRAWN BY: D. SCHAUGAARD CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-200**



**RICHFIELD**  
 255 North 100 East  
 Richfield, UT. 84701  
 Phone: 435.896.2983

**SALT LAKE**  
 Phone 801.255.0529

**TOOELE**  
 Phone 435.843.3590

**LAYTON**  
 Phone 801.547.1100

**CEDAR CITY**  
 Phone 435.865.1453

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FOR:  
**MARYSVALE TOWN**  
 P.O. BOX 160  
 MARYSVALE, UT 84750

CONTACT:  
**CONTACT CLIENT**  
 PHONE:  
 FAX:

**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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**EXISTING PEAK INSTANTANEOUS DEMAND**

PROJECT NUMBER: 11338      PRINT DATE: 8/2/2022  
 DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-201**

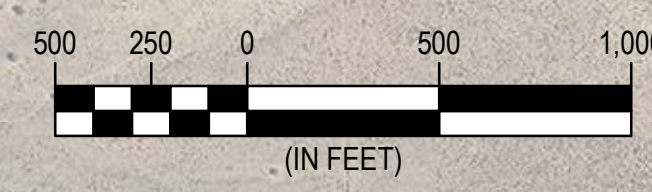
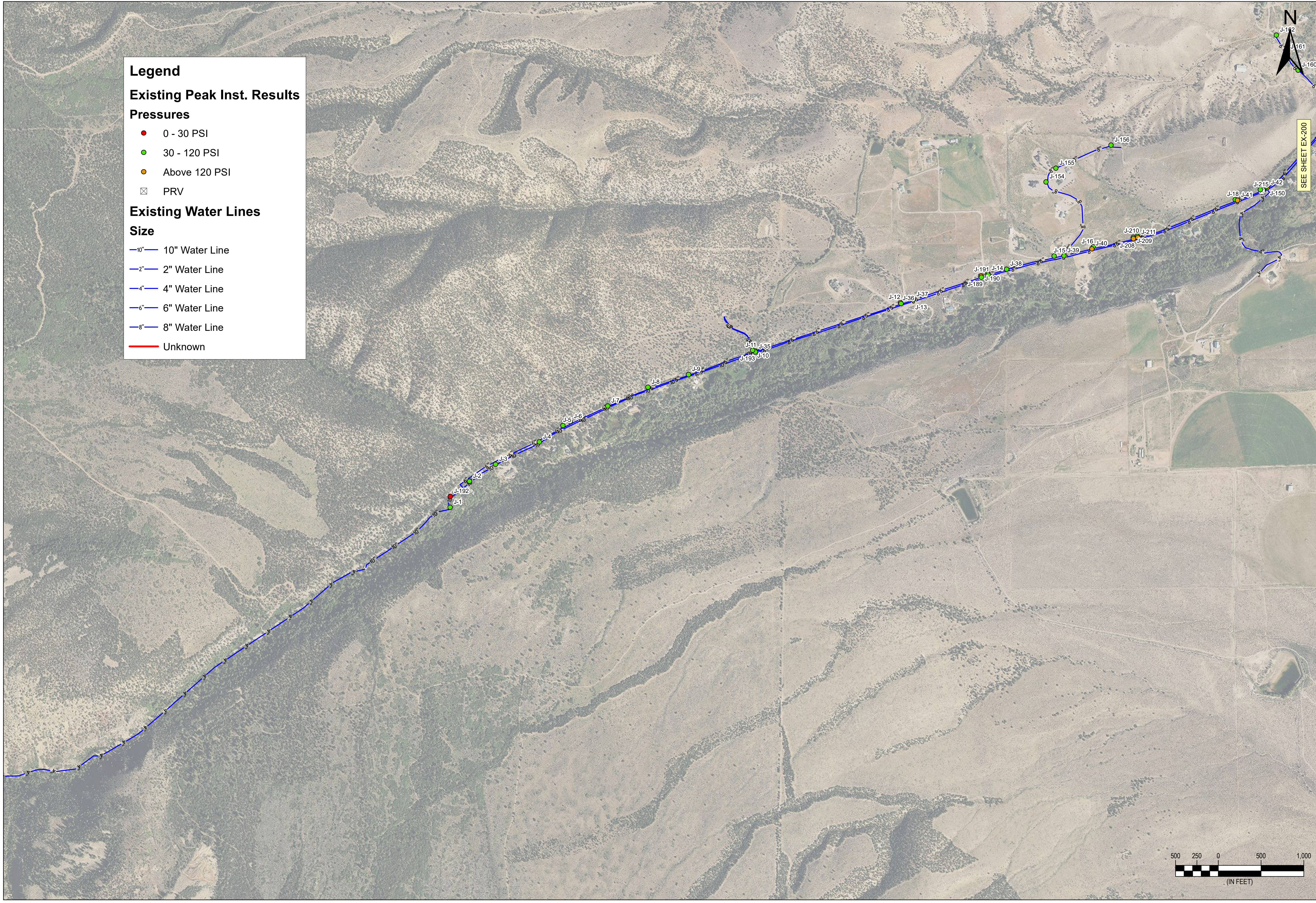
**Legend**

**Existing Peak Inst. Results Pressures**

- 0 - 30 PSI
- 30 - 120 PSI
- Above 120 PSI
- ☒ PRV

**Existing Water Lines Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown



**Legend**

**Existing Peak Day Results**

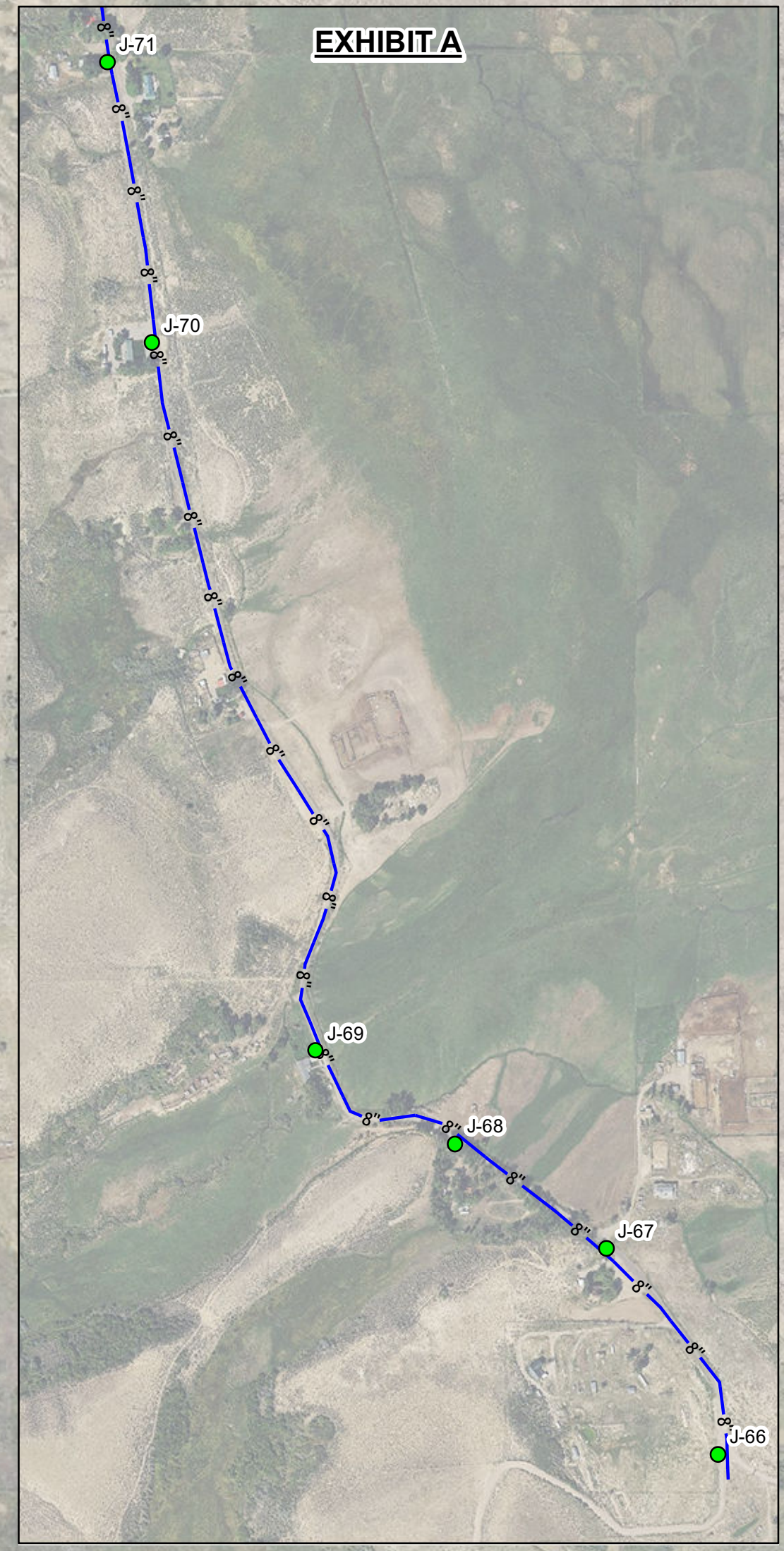
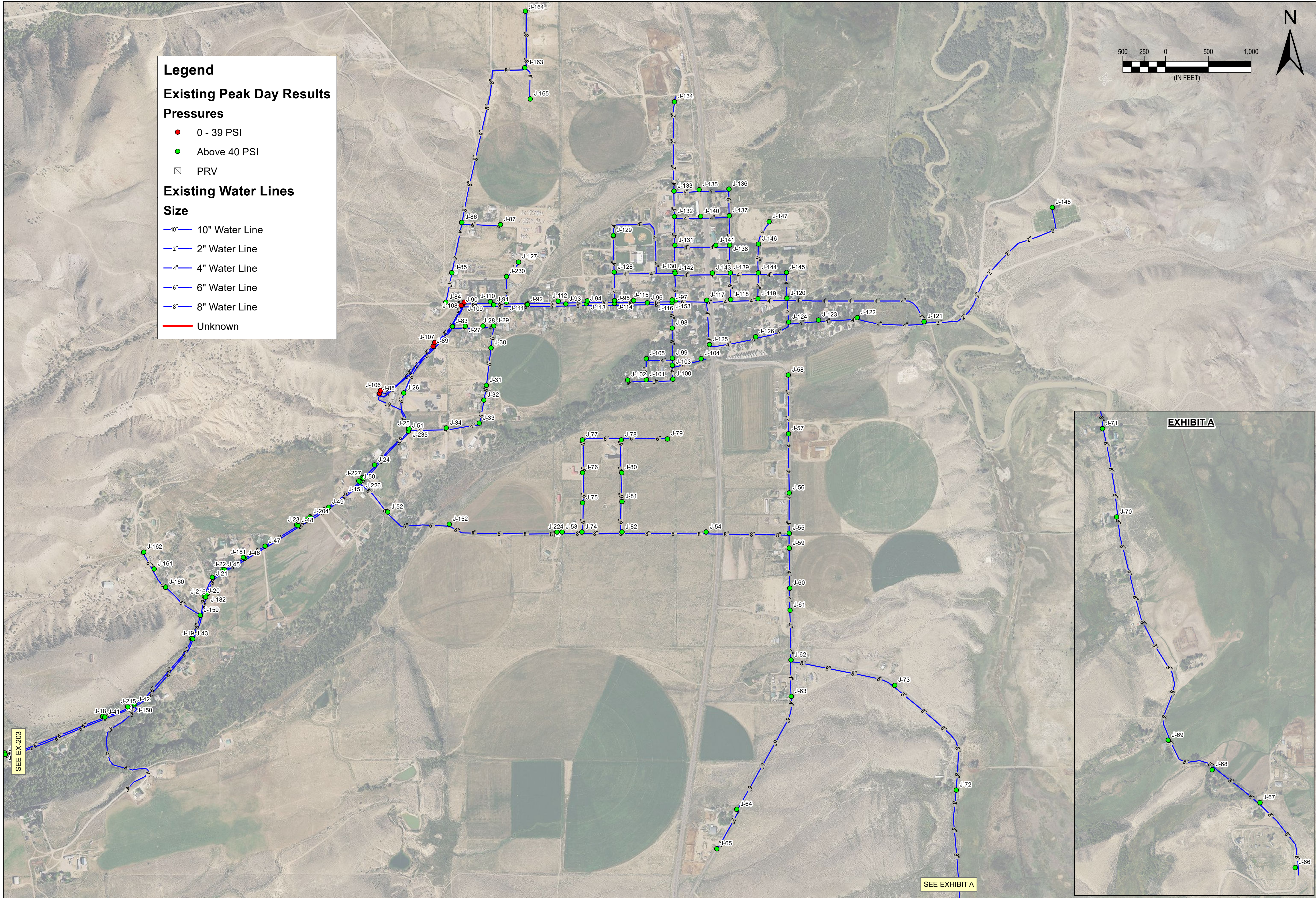
**Pressures**

- 0 - 39 PSI
- Above 40 PSI
- ☒ PRV

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown



SEE EX-203

SEE EXHIBIT A

**ENSGN**  
THE STANDARD IN ENGINEERING

**RICHFIELD**  
255 North 100 East  
Richfield, UT. 84701  
Phone: 435.896.2983

**SALT LAKE**  
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**TOOELE**  
Phone 435.843.3590

**LAYTON**  
Phone 801.547.1100

**CEDAR CITY**  
Phone 435.865.1453

**WWW.ENSGN.COM**

FOR:  
MARYSVALE TOWN  
P.O. BOX 160  
MARYSVALE, UT 84750

CONTACT:  
CONTACT CLIENT  
PHONE:  
FAX:

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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**EXISTING PEAK DAY DEMAND**

PROJECT NUMBER: 11338      PRINT DATE: 8/2/2022

DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT

PROJECT MANAGER: K. CRANE

**EX-202**



**Legend**

**Existing Peak Day Results**

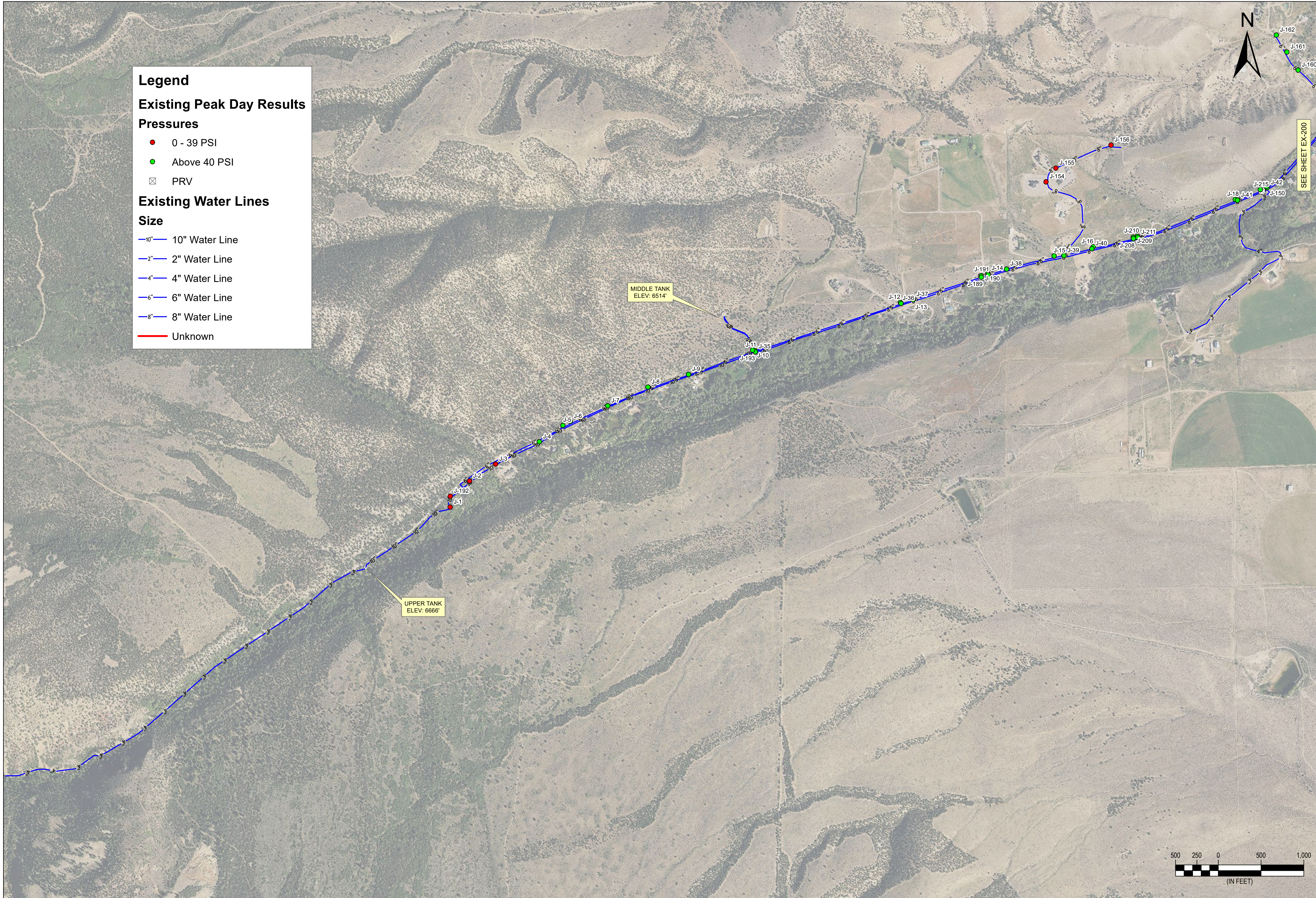
**Pressures**

- 0 - 39 PSI
- Above 40 PSI
- ☒ PRV

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown



**RICHFIELD**  
255 North 100 East  
Richfield, UT. 84701  
Phone: 435.896.2983

**SALT LAKE**  
Phone 801.255.0529

**TOOELE**  
Phone 435.843.3590

**LAYTON**  
Phone 801.547.1100

**CEDAR CITY**  
Phone 435.865.1453

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FOR:  
MARYSVALE TOWN  
P.O. BOX 160  
MARYSVALE, UT 84750  
CONTACT:  
CONTACT CLIENT  
PHONE:  
FAX:

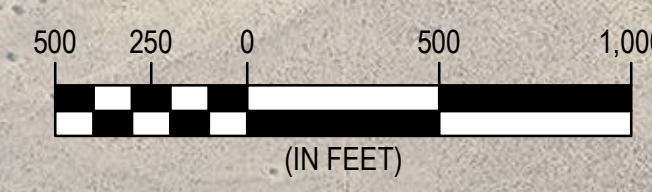
**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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**EXISTING PEAK DAY DEMAND**

PROJECT NUMBER: 11338      PRINT DATE: 9/13/2022  
DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT  
PROJECT MANAGER: K. CRANE

**EX-203**



**Legend**

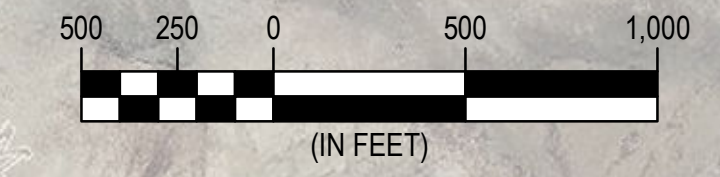
**Available Fire Flow**

- 0 - 1200 GPM
- 1200 - 1500 GPM
- Above 1500 GPM
- ☒ PRV

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown



**RICHFIELD**  
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**TOOELE**  
 Phone 435.843.3590

**LAYTON**  
 Phone 801.547.1100

**CEDAR CITY**  
 Phone 435.865.1453

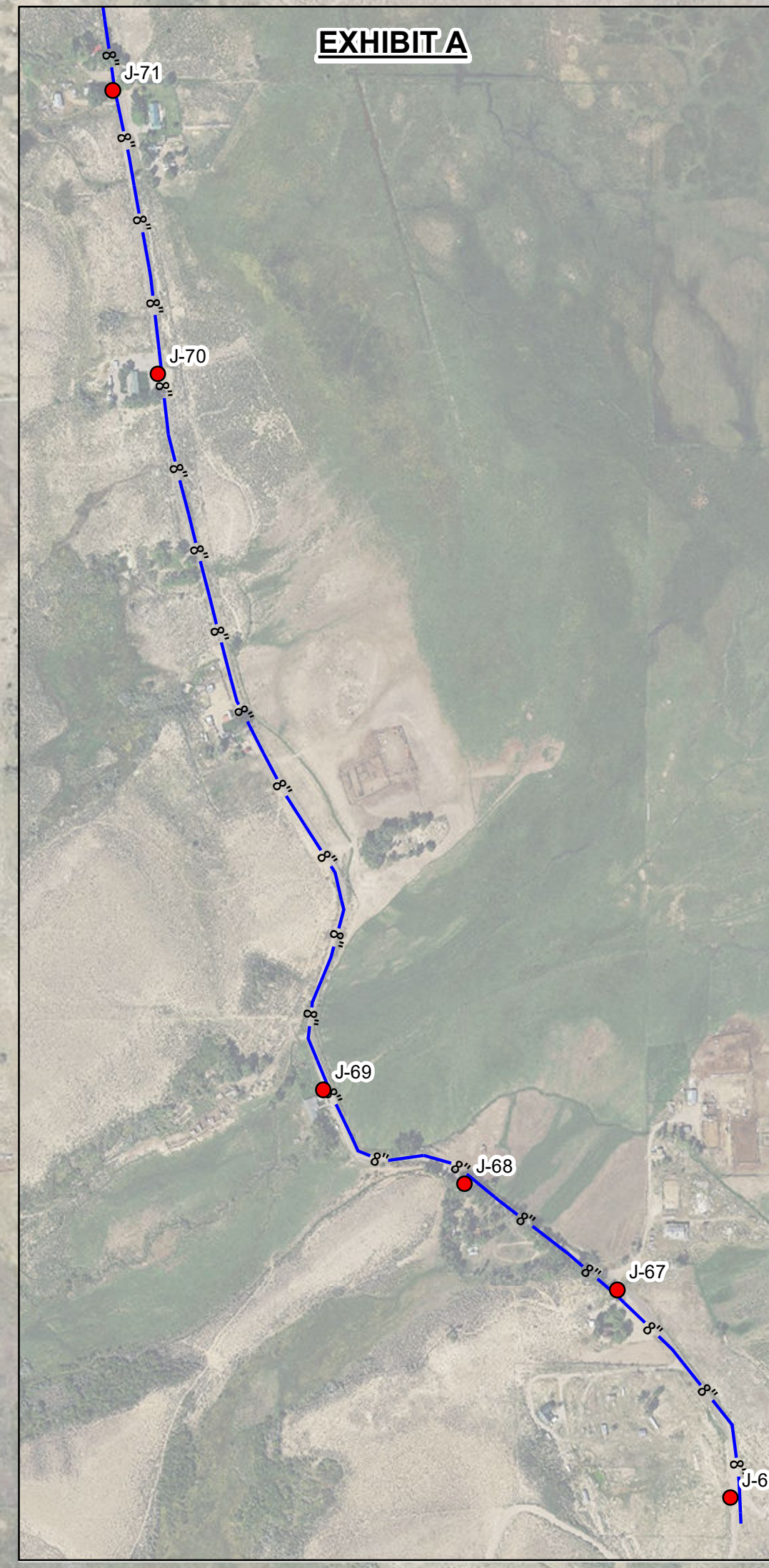
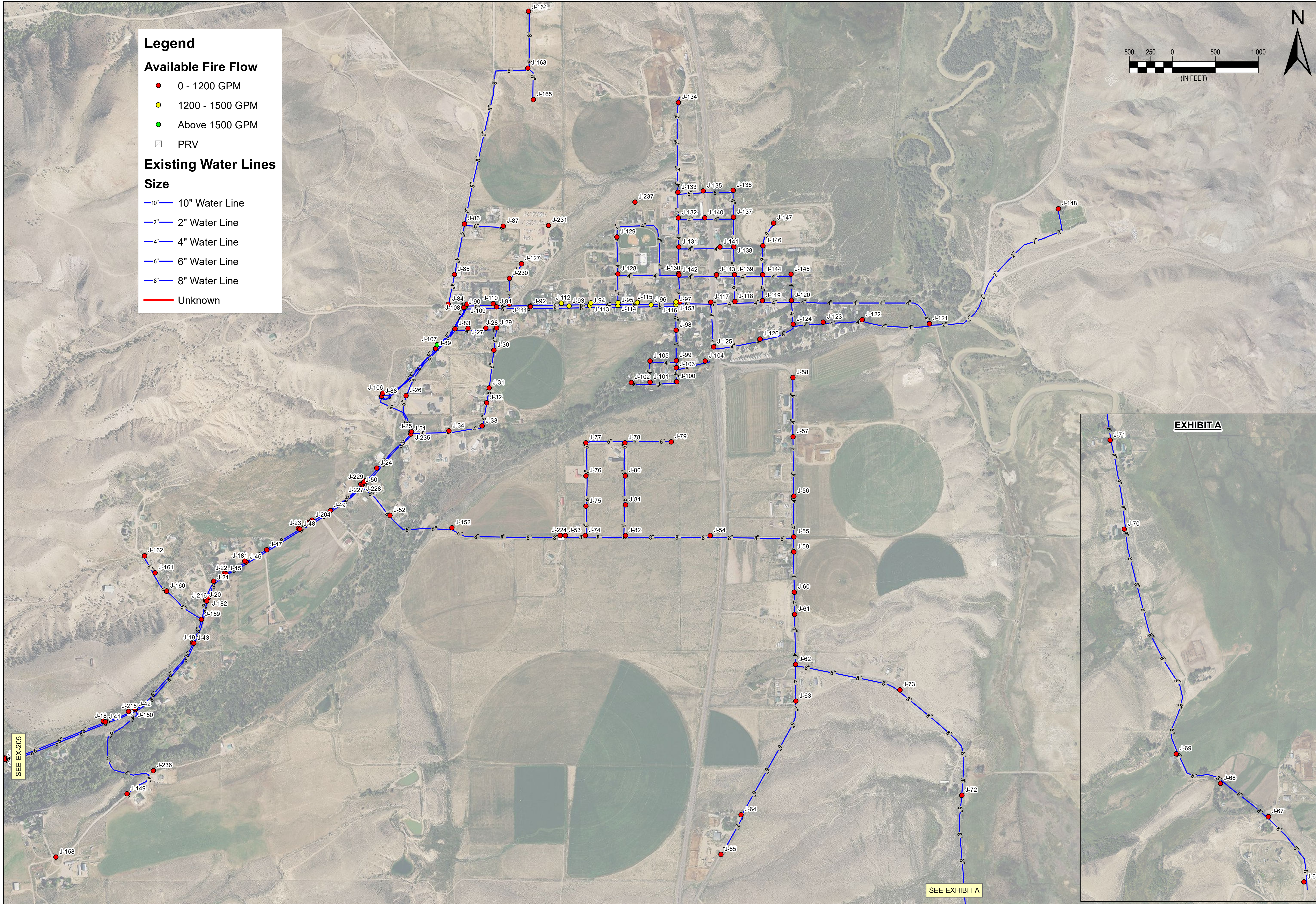
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FOR:  
**MARYSVALE TOWN**  
 P.O. BOX 160  
 MARYSVALE, UT 84750

CONTACT:  
**CONTACT CLIENT**  
 PHONE:  
 FAX:

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**



SEE EX-205

SEE EXHIBIT A

NO.	DATE	REVISION	BY
1			
2			
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7			

**EXISTING FIRE FLOW DEMAND**

PROJECT NUMBER: 11338      PRINT DATE: 8/2/2022  
 DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-204**

**Legend**

**Existing Fire Flow Results**

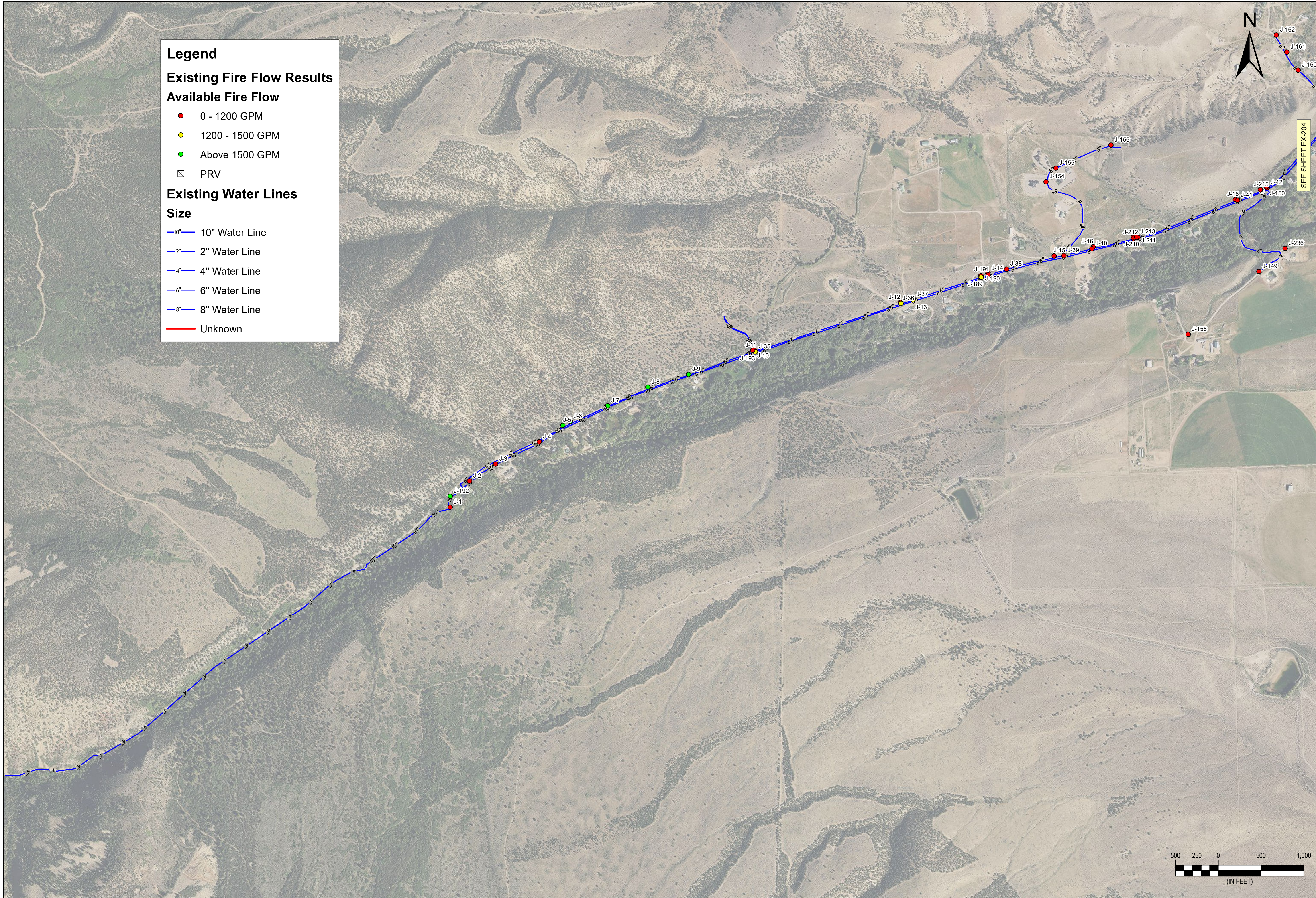
**Available Fire Flow**

- 0 - 1200 GPM
- 1200 - 1500 GPM
- Above 1500 GPM
- ☒ PRV

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown



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MARYSVALE TOWN  
P.O. BOX 160  
MARYSVALE, UT 84750

CONTACT:  
CONTACT CLIENT  
PHONE:  
FAX:

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

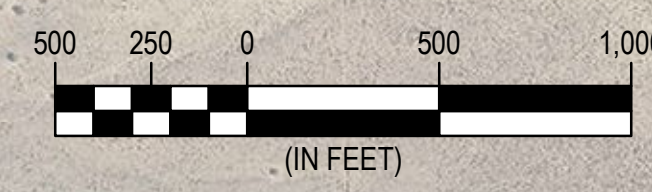
NO.	DATE	REVISION	BY
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**EXISTING FIRE FLOW DEMAND**

PROJECT NUMBER: 11338      PRINT DATE: 8/2/2022

DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT

PROJECT MANAGER: K. CRANE



**EX-205**

**MARYSVALE WATER MASTER PLAN**

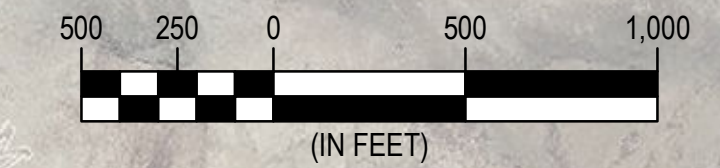
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
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**FUTURE PEAK INSTANTANEOUS DEMAND**

PROJECT NUMBER: 11338	PRINT DATE: 8/2/2022
DRAWN BY: D. SCHAUGAARD	CHECKED BY: K. MARCHANT
PROJECT MANAGER: K. CRANE	

**EX-300**



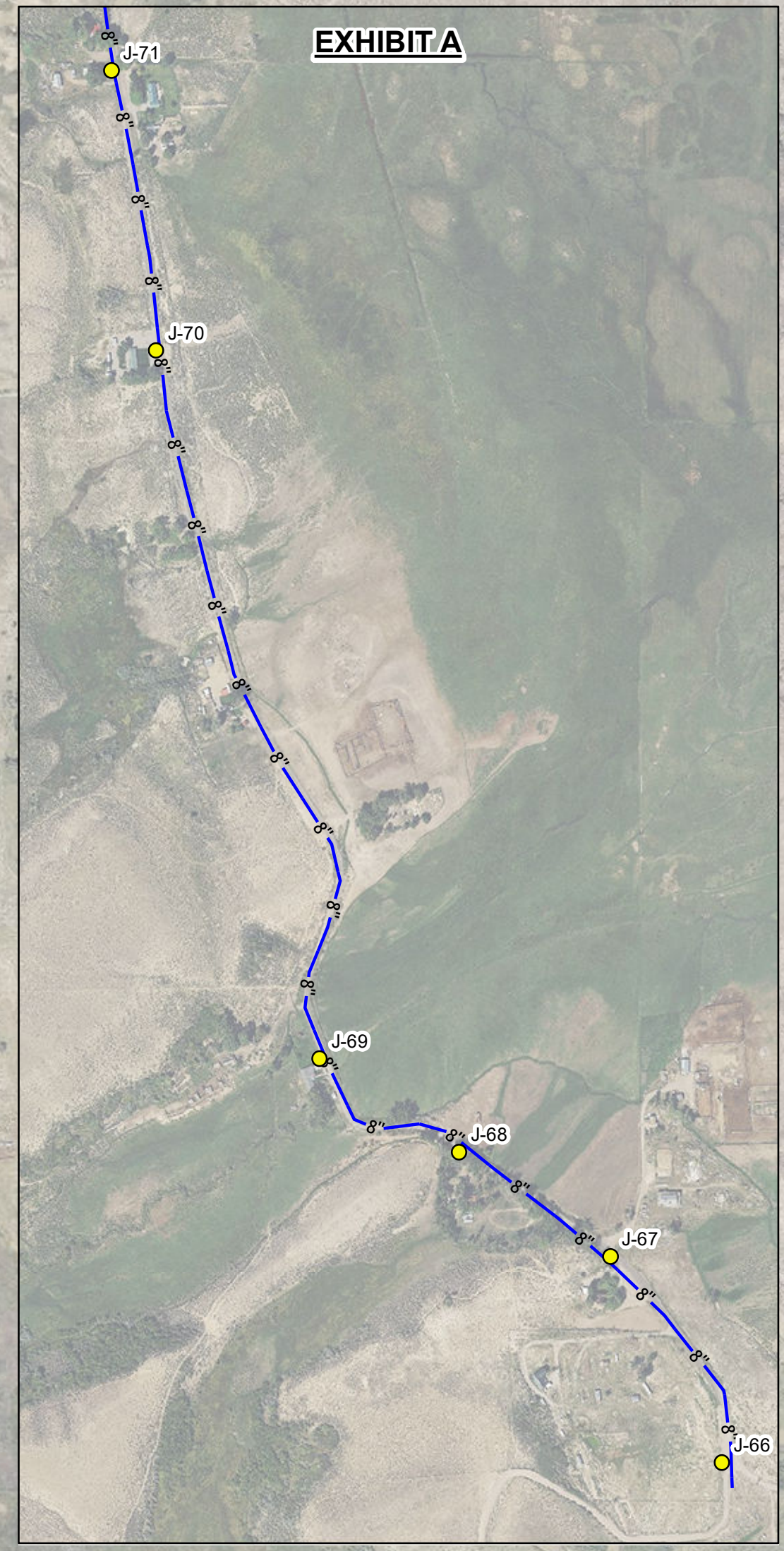
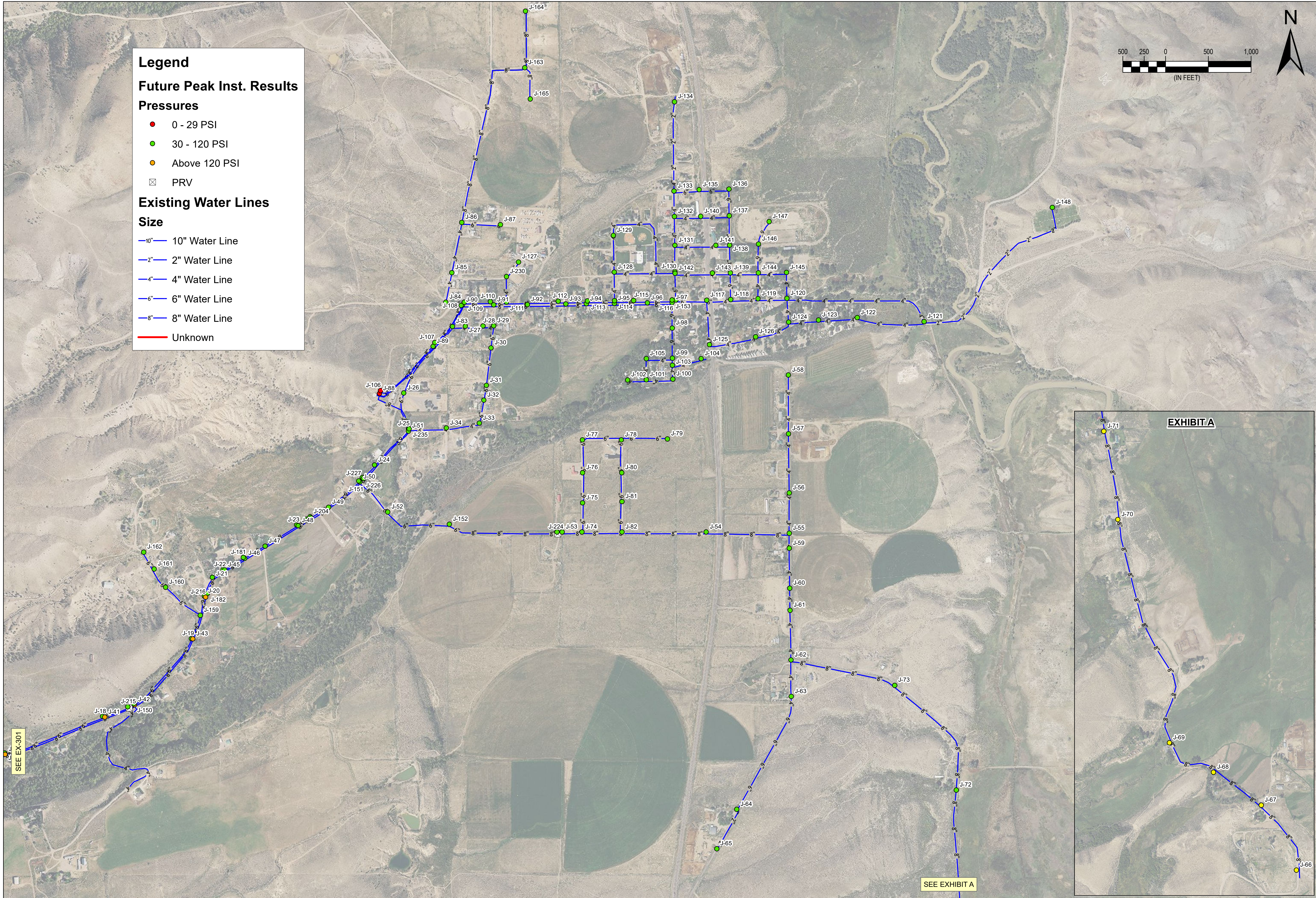
**Legend**

**Future Peak Inst. Results Pressures**

- 0 - 29 PSI
- 30 - 120 PSI
- Above 120 PSI
- ☒ PRV

**Existing Water Lines Size**

- 10" 10" Water Line
- 2" 2" Water Line
- 4" 4" Water Line
- 6" 6" Water Line
- 8" 8" Water Line
- Unknown



SEE EX-301

SEE EXHIBIT A

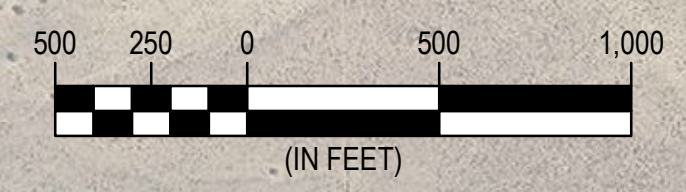
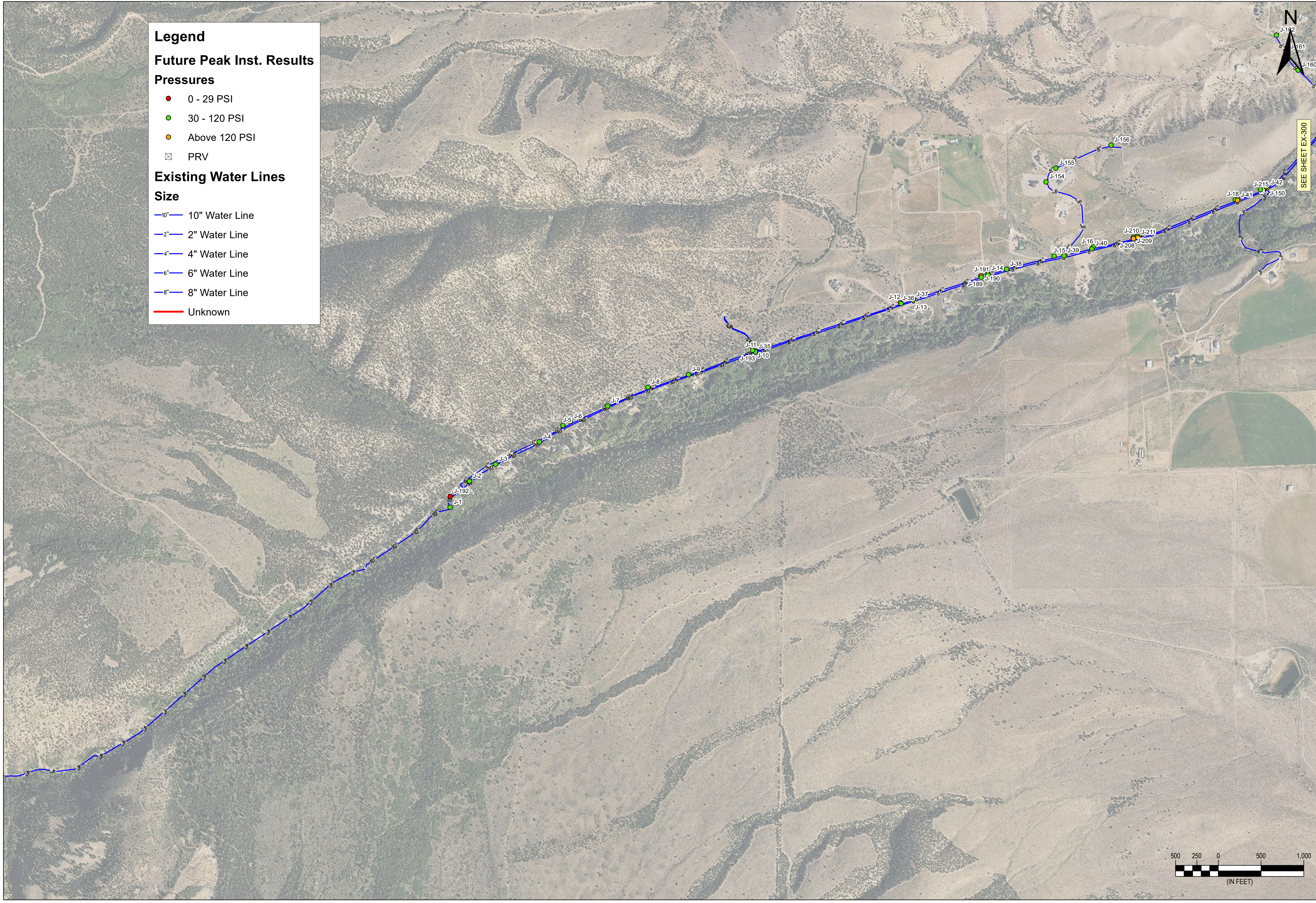
**Legend**

**Future Peak Inst. Results Pressures**

- 0 - 29 PSI
- 30 - 120 PSI
- Above 120 PSI
- ☒ PRV

**Existing Water Lines Size**

- 10" 10" Water Line
- 2" 2" Water Line
- 4" 4" Water Line
- 6" 6" Water Line
- 8" 8" Water Line
- Unknown



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P.O. BOX 160  
MARYSVALE, UT 84750

CONTACT:  
CONTACT CLIENT  
PHONE:  
FAX:

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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**FUTURE PEAK INSTANTANEOUS DEMAND**

PROJECT NUMBER: 11338      PRINT DATE: 8/2/2022

DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT

PROJECT MANAGER: K. CRANE

**EX-301**

**Legend**

**Future Peak Day Results**

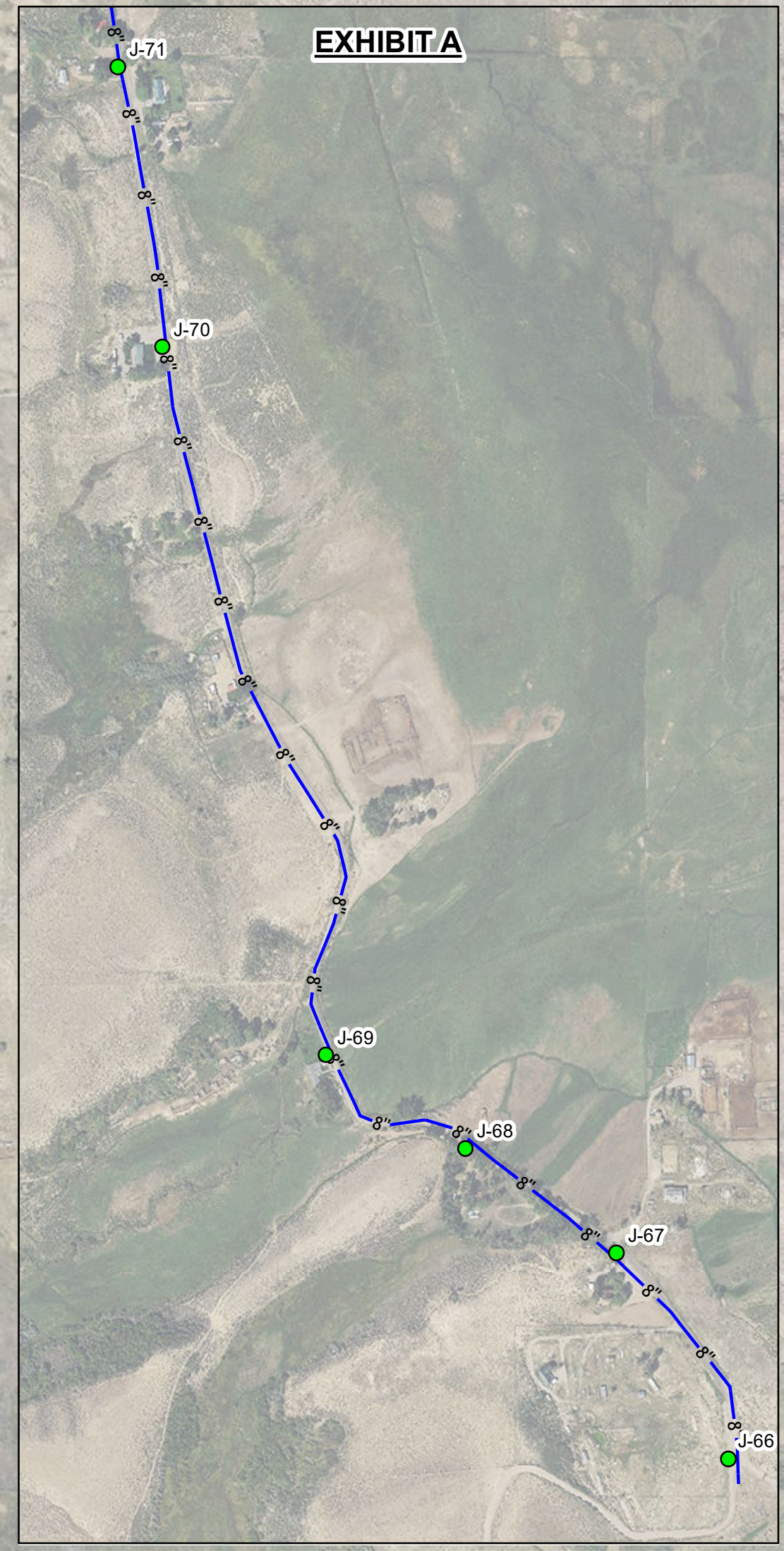
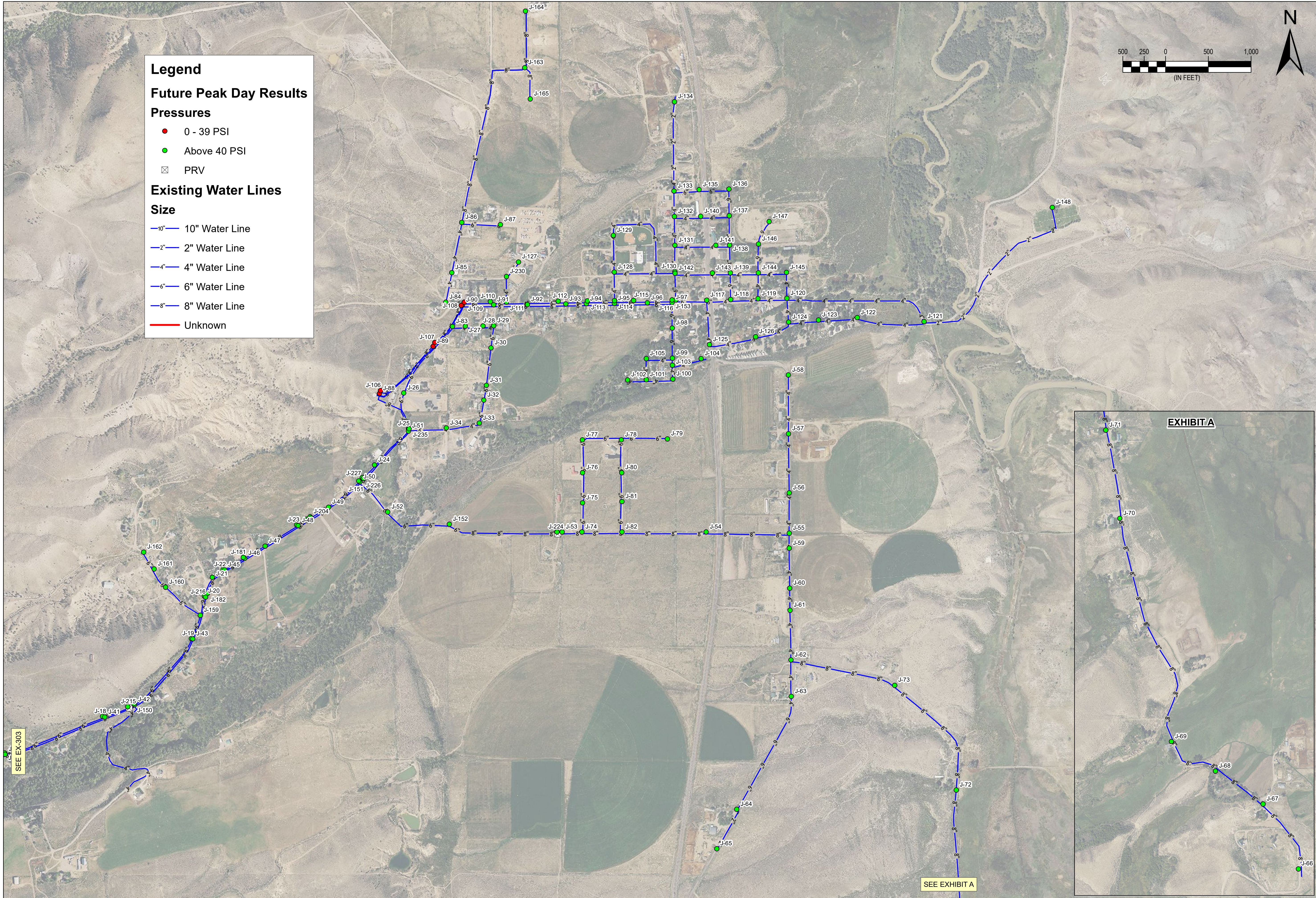
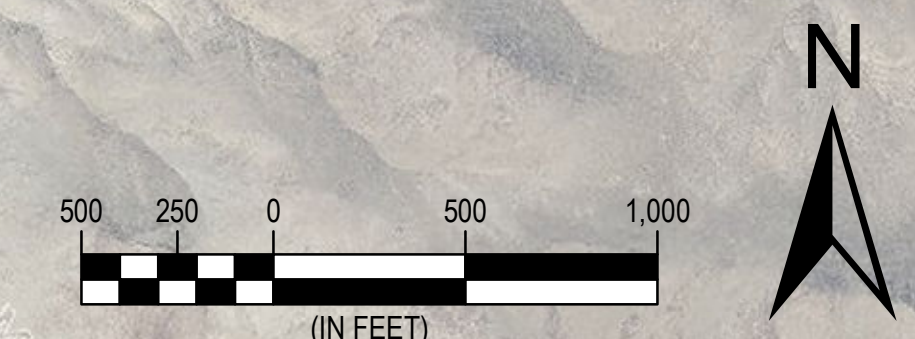
**Pressures**

- 0 - 39 PSI
- Above 40 PSI
- ☒ PRV

**Existing Water Lines**

**Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown



SEE EX-303

SEE EXHIBIT A

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MARYSVALE, UT 84750

CONTACT:  
CONTACT CLIENT  
PHONE:  
FAX:

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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**FUTURE PEAK DAY DEMAND**

PROJECT NUMBER: 11338      PRINT DATE: 8/2/2022

DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT

PROJECT MANAGER: K. CRANE

**EX-302**

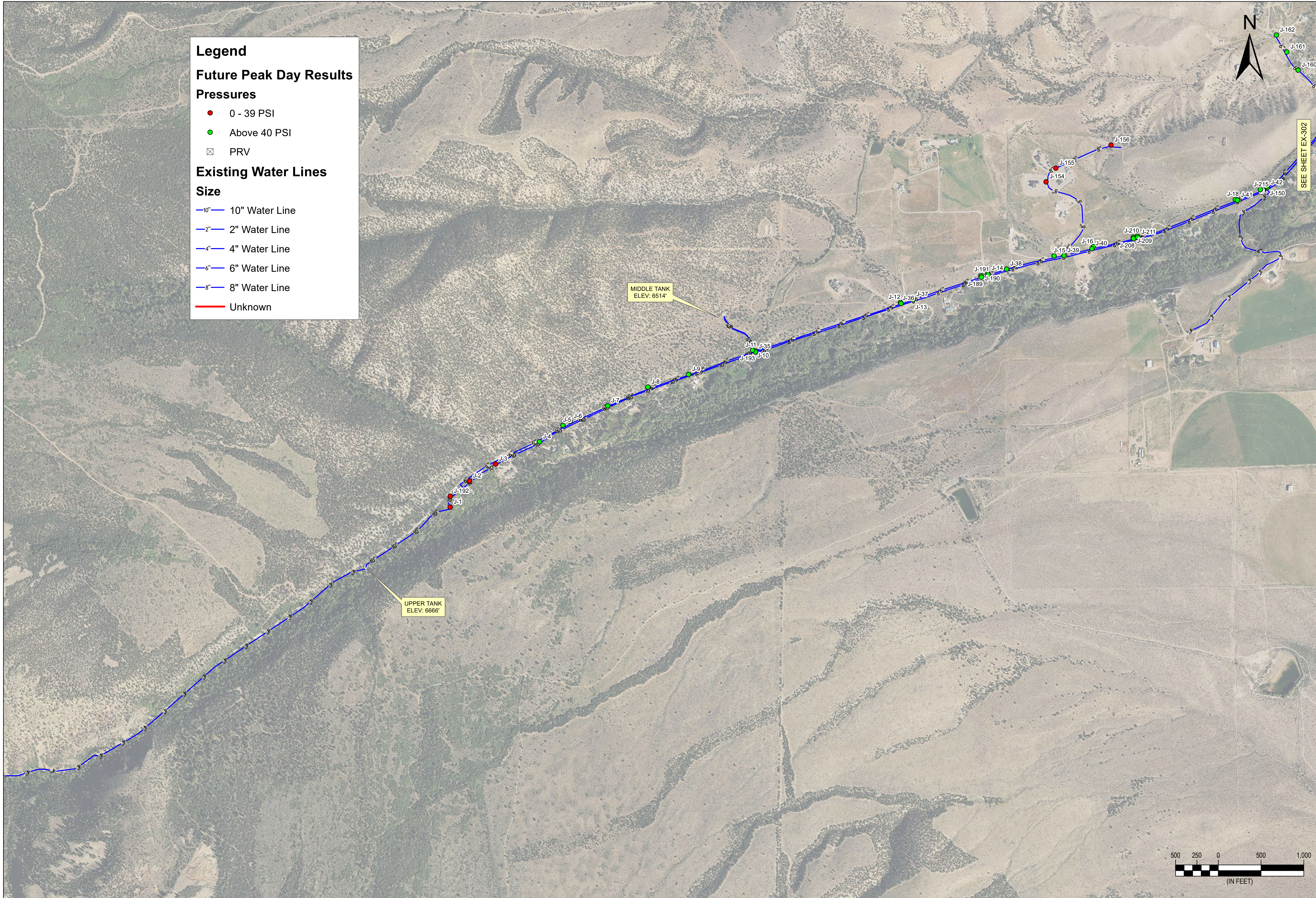
**Legend**

**Future Peak Day Results Pressures**

- 0 - 39 PSI
- Above 40 PSI
- ☒ PRV

**Existing Water Lines Size**

- 10" Water Line
- 2" Water Line
- 4" Water Line
- 6" Water Line
- 8" Water Line
- Unknown



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MARYSVALE TOWN  
P.O. BOX 160  
MARYSVALE, UT 84750

CONTACT:  
CONTACT CLIENT  
PHONE:  
FAX:

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

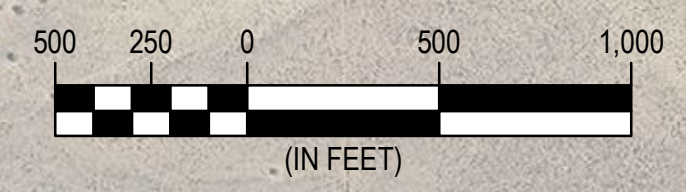
NO.	DATE	REVISION	BY
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**FUTURE PEAK DAY DEMAND**

PROJECT NUMBER: 11336      PRINT DATE: 5/13/2022

DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT

PROJECT MANAGER: K. CRANE



**EX-303**



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P.O. BOX 160  
MARYSVALE, UT 84750  
CONTACT:  
**CONTACT CLIENT**  
PHONE:  
FAX:

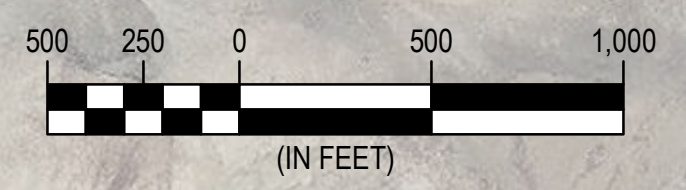
**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
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**PROPOSED PEAK INSTANTANEOUS DEMAND**

PROJECT NUMBER: 11338 PRINT DATE: 8/2/2022  
DRAWN BY: D. SCHAUGAARD CHECKED BY: K. MARCHANT  
PROJECT MANAGER: K. CRANE

**EX-400**



**Legend**

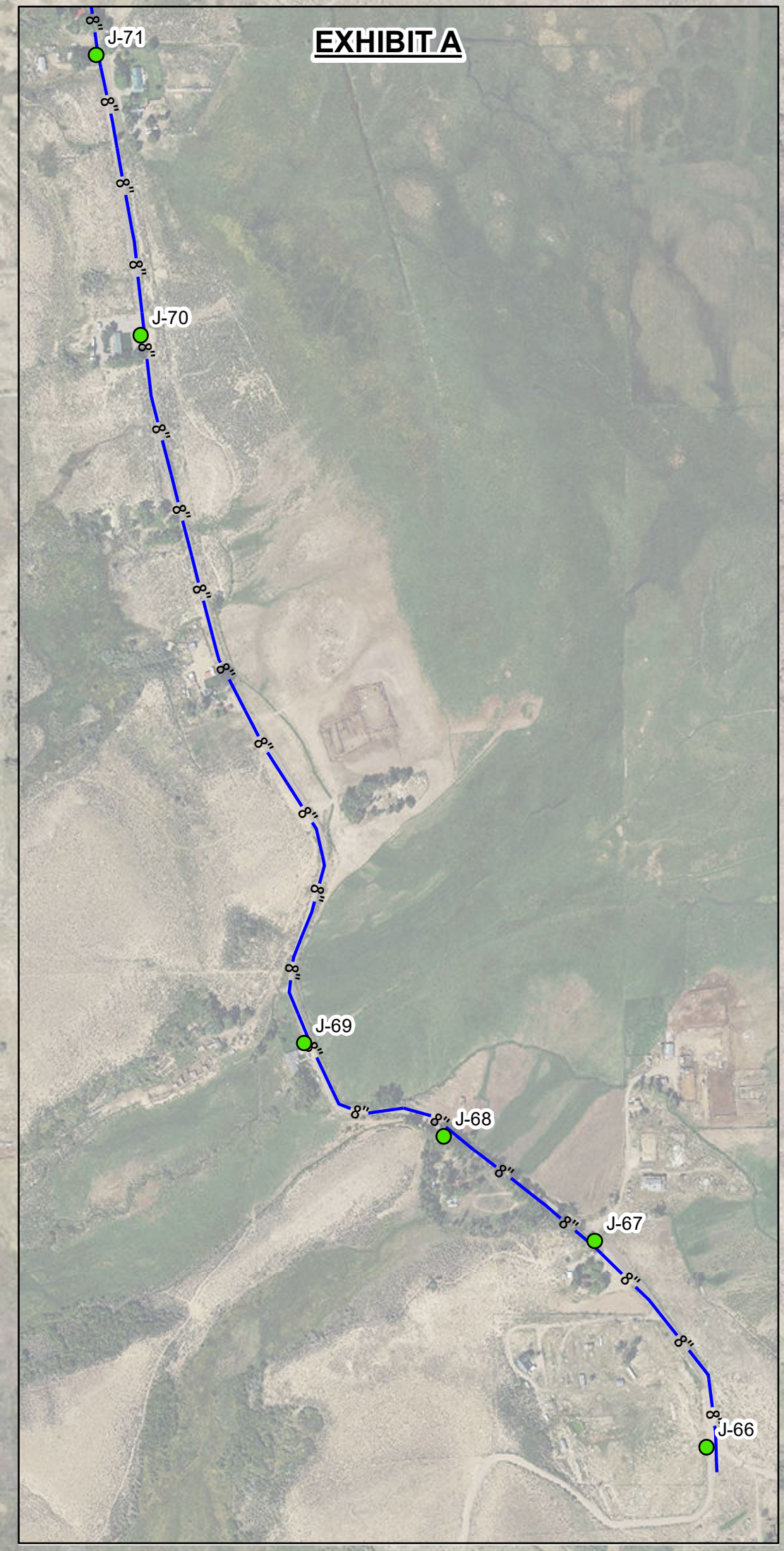
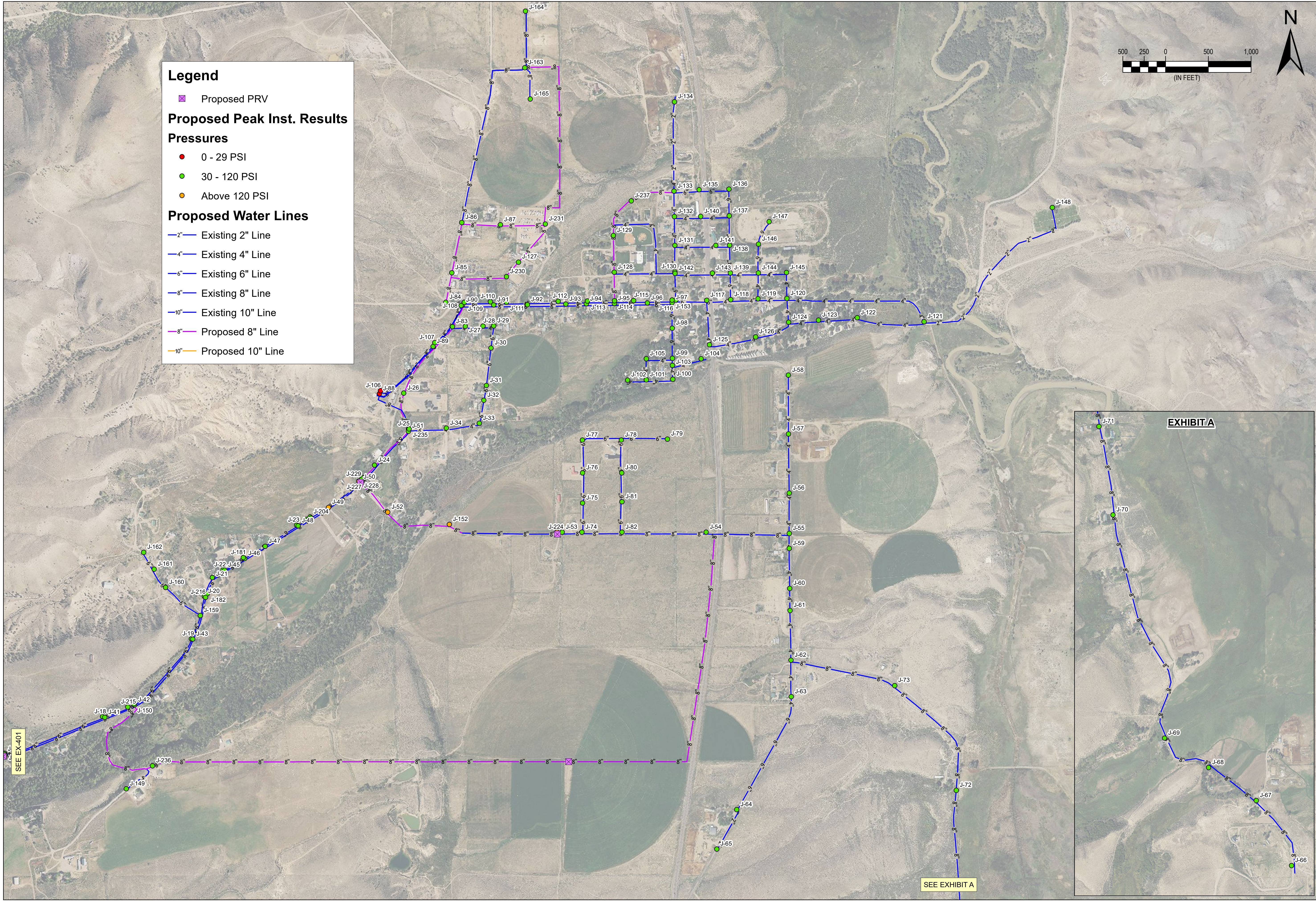
- Proposed PRV

**Proposed Peak Inst. Results Pressures**

- 0 - 29 PSI
- 30 - 120 PSI
- Above 120 PSI

**Proposed Water Lines**

- Existing 2" Line
- Existing 4" Line
- Existing 6" Line
- Existing 8" Line
- Existing 10" Line
- Proposed 8" Line
- Proposed 10" Line



SEE EX-401

SEE EXHIBIT A





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 255 North 100 East  
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**SALT LAKE**  
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 P.O. BOX 160  
 MARYSVALE, UT 84750

CONTACT:  
**CONTACT CLIENT**  
 PHONE:  
 FAX:

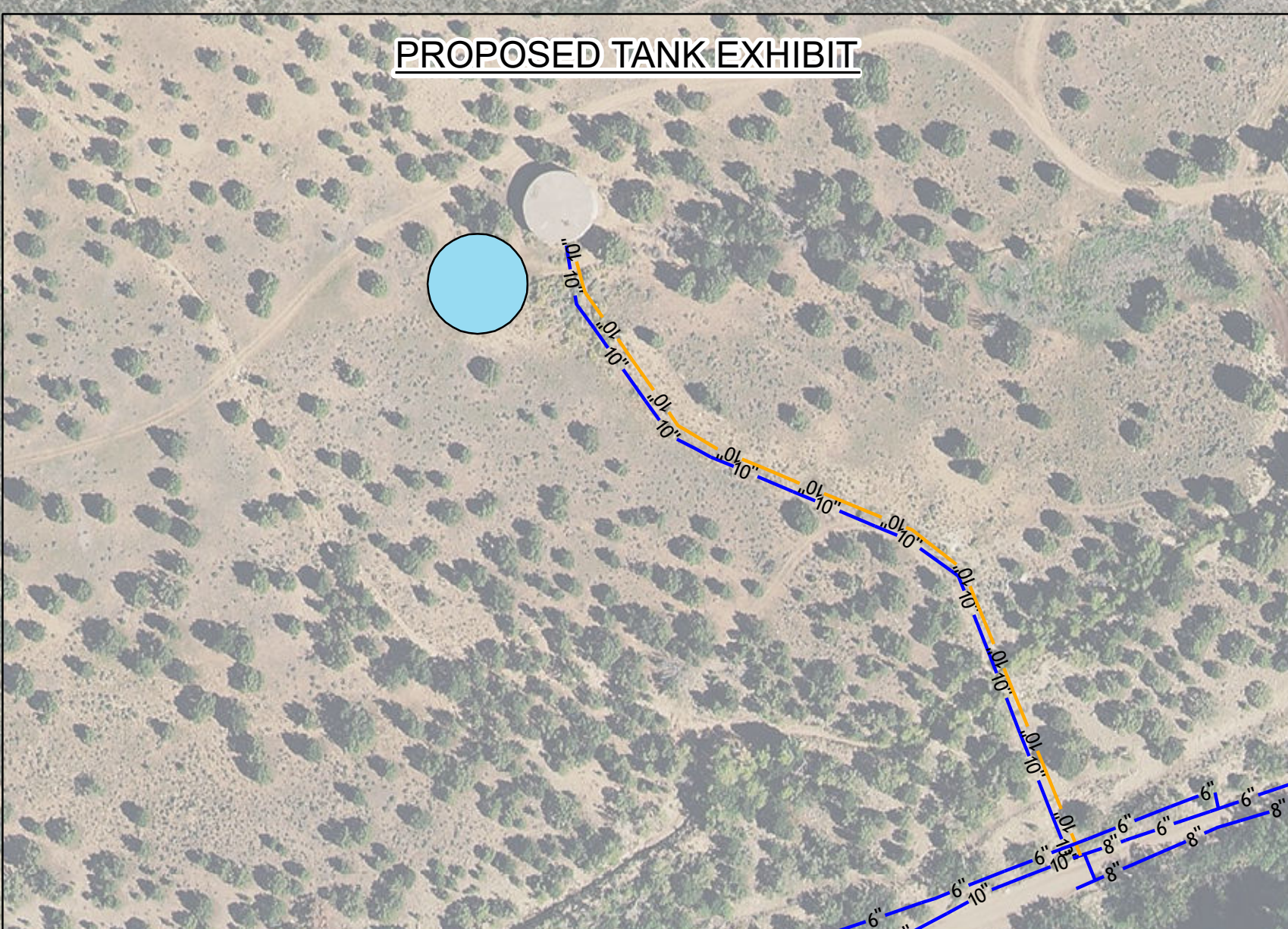
**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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**PROPOSED PEAK INSTANTANEOUS DEMAND**

PROJECT NUMBER: 11338      PRINT DATE: 8/2/2022  
 DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-401**



**Legend**

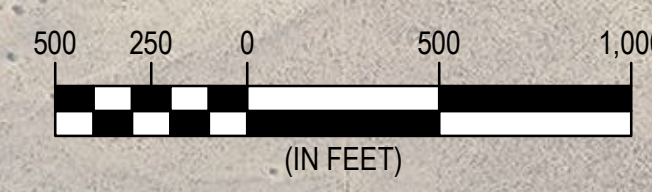
- Proposed PRV

**Proposed Peak Inst. Results Pressures**











- 0 - 29 PSI
- 30 - 120 PSI
- Above 120 PSI

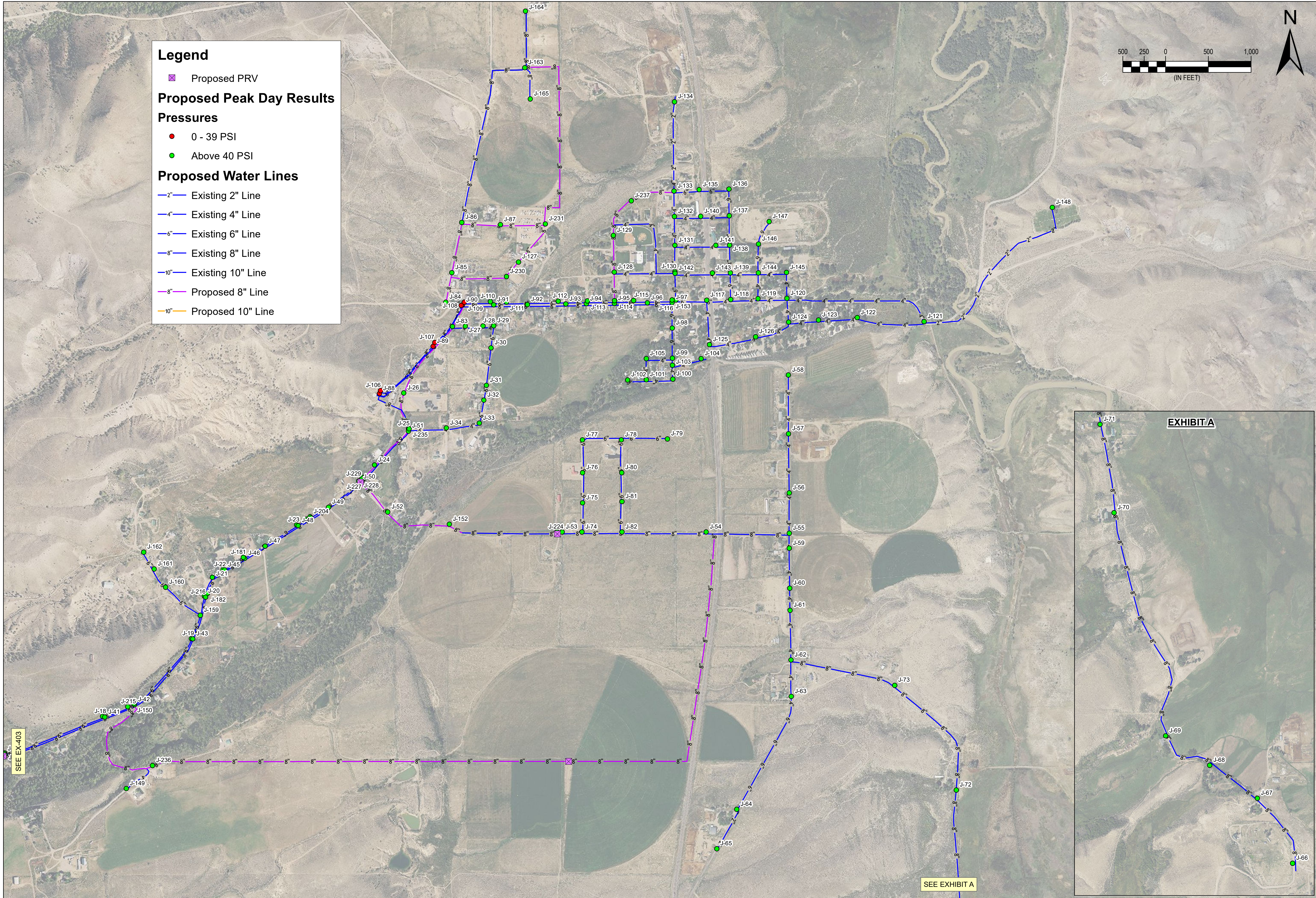
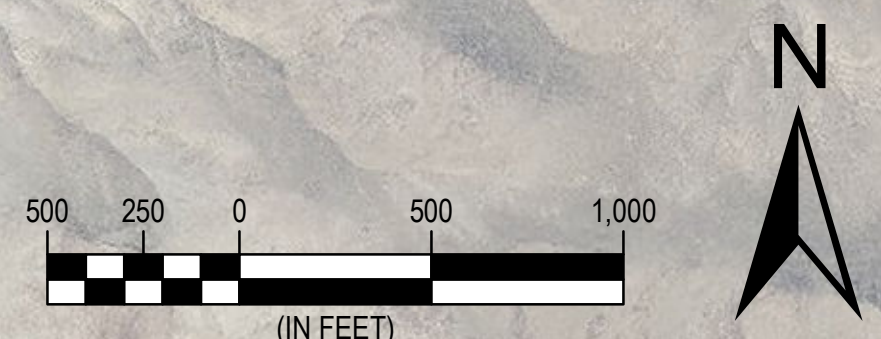
**Proposed Water Lines**

- Existing 2" Line
- Existing 4" Line
- Existing 6" Line
- Existing 8" Line
- Existing 10" Line
- Proposed 8" Line
- Proposed 10" Line
- Proposed 500,000 Tank



**Legend**

-  Proposed PRV
- Proposed Peak Day Results Pressures**
  -  0 - 39 PSI
  -  Above 40 PSI
- Proposed Water Lines**
  -  Existing 2" Line
  -  Existing 4" Line
  -  Existing 6" Line
  -  Existing 8" Line
  -  Existing 10" Line
  -  Proposed 8" Line
  -  Proposed 10" Line



SEE EX-403

SEE EXHIBIT A



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FOR:  
 MARYSVALE TOWN  
 P.O. BOX 160  
 MARYSVALE, UT 84750

CONTACT:  
 CONTACT CLIENT  
 PHONE:  
 FAX:

**MARYSVALE WATER MASTER PLAN**

**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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**PROPOSED PEAK DAY DEMAND**

PROJECT NUMBER: 11338      PRINT DATE: 8/2/2022  
 DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

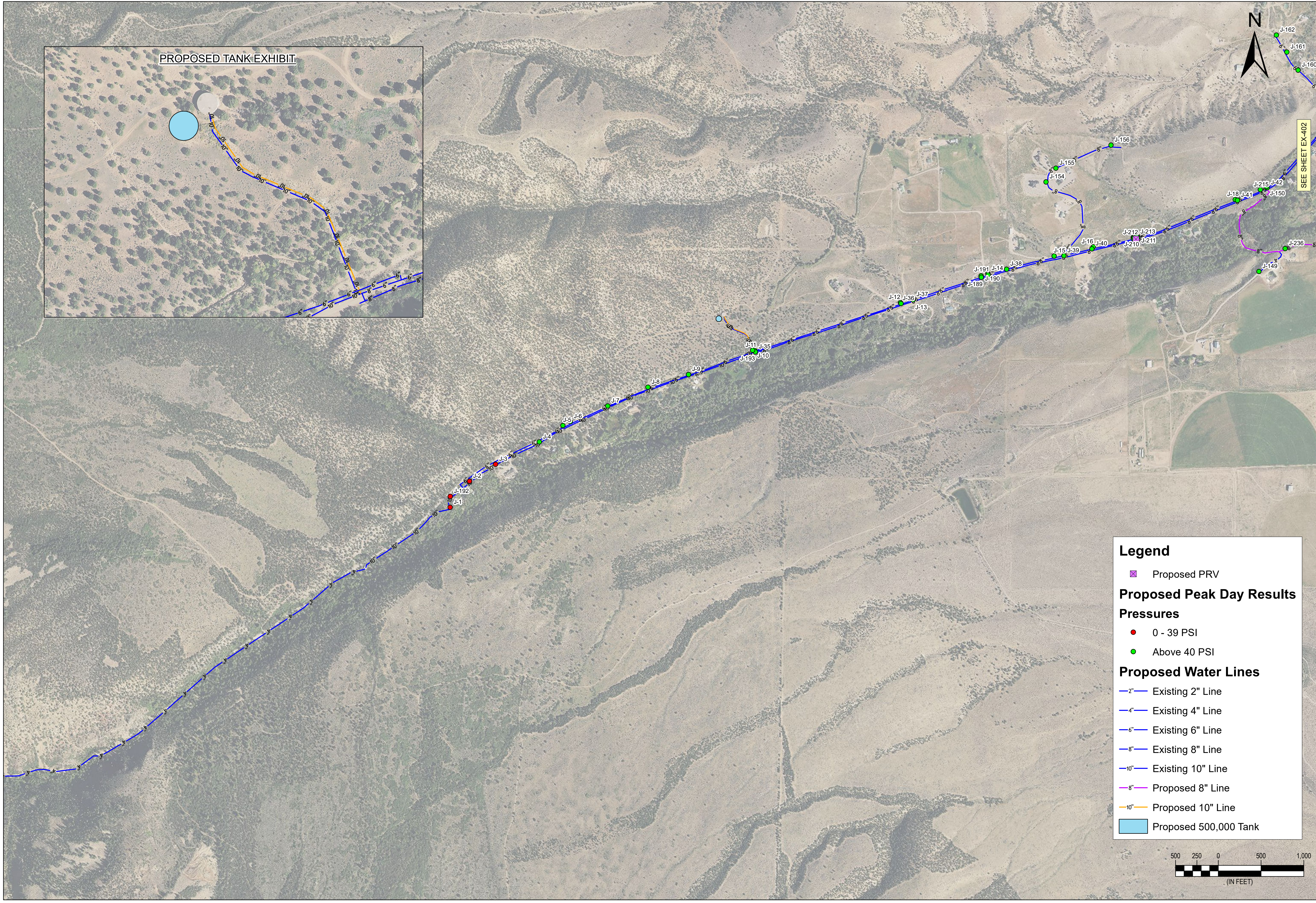
**EX-402**

**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
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**PROPOSED PEAK DAY DEMAND**

PROJECT NUMBER: 1138	PRINT DATE: 8/2/2022
DRAWN BY: D. SCHAUGAARD	CHECKED BY: K. MARCHANT
PROJECT MANAGER: K. CRANE	



PROPOSED TANK EXHIBIT



SEE SHEET EX-402

**Legend**

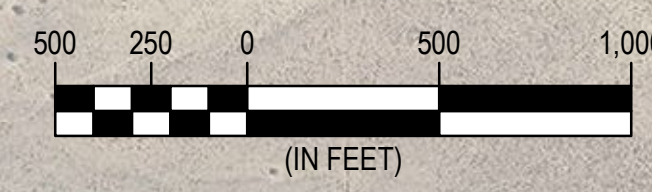
- ✘ Proposed PRV

**Proposed Peak Day Results Pressures**

- 0 - 39 PSI
- Above 40 PSI

**Proposed Water Lines**

- Existing 2" Line
- Existing 4" Line
- Existing 6" Line
- Existing 8" Line
- Existing 10" Line
- Proposed 8" Line
- Proposed 10" Line
- Proposed 500,000 Tank





**RICHFIELD**  
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 Phone 435.865.1453

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FOR:  
**MARYSVALE TOWN**  
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 CONTACT:  
**CONTACT CLIENT**  
 PHONE:  
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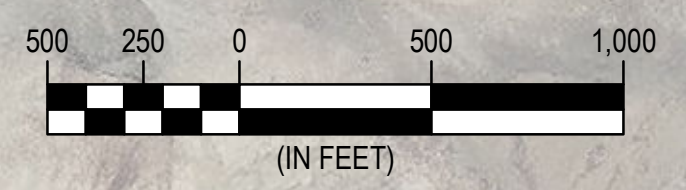
**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
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**PROPOSED FIRE FLOW DEMAND**

PROJECT NUMBER: 11338      PRINT DATE: 8/2/2022  
 DRAWN BY: D. SCHAUGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-404**



**Legend**

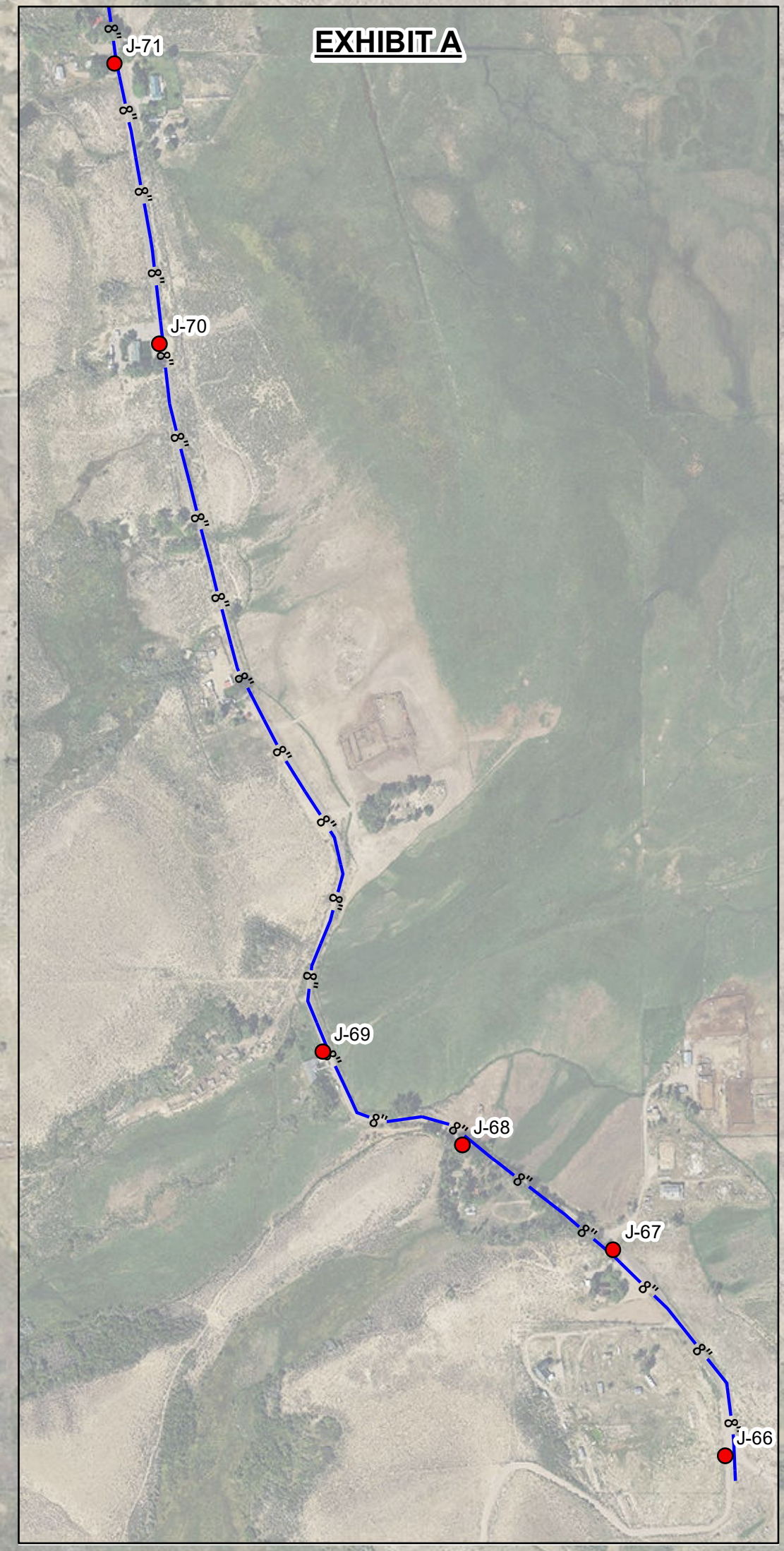
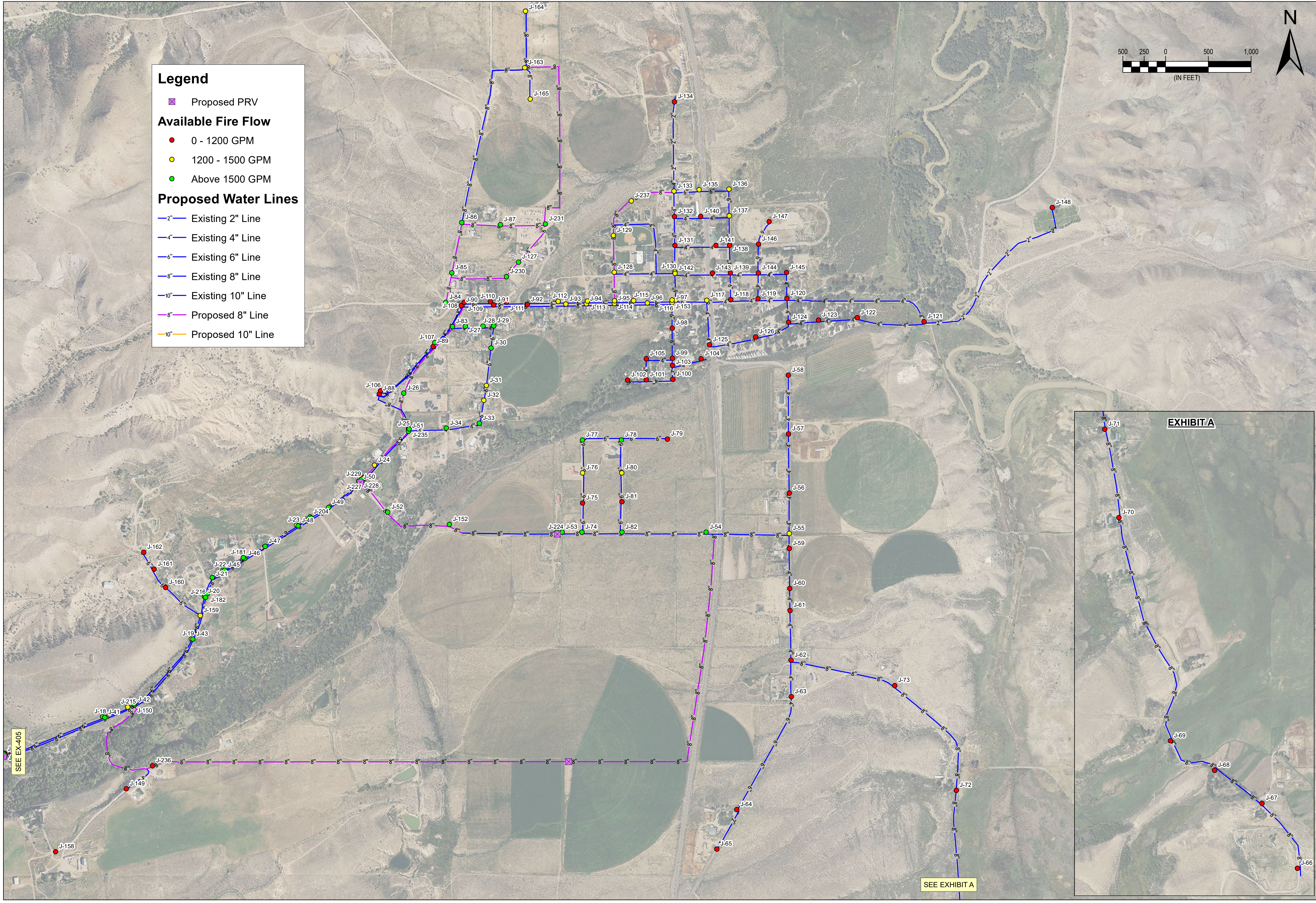
- Proposed PRV

**Available Fire Flow**

- 0 - 1200 GPM
- 1200 - 1500 GPM
- Above 1500 GPM

**Proposed Water Lines**

- Existing 2" Line
- Existing 4" Line
- Existing 6" Line
- Existing 8" Line
- Existing 10" Line
- Proposed 8" Line
- Proposed 10" Line



SEE EX-405

SEE EXHIBIT A



**RICHFIELD**  
 255 North 100 East  
 Richfield, UT. 84701  
 Phone: 435.896.2983

**SALT LAKE**  
 Phone 801.255.0529

**TOOELE**  
 Phone 435.843.3590

**LAYTON**  
 Phone 801.547.1100

**CEDAR CITY**  
 Phone 435.865.1453

[WWW.ENSGNENG.COM](http://WWW.ENSGNENG.COM)

FOR:  
**MARYSVALE TOWN**  
 P.O. BOX 160  
 MARYSVALE, UT 84750

CONTACT:  
**CONTACT CLIENT**  
 PHONE:  
 FAX:

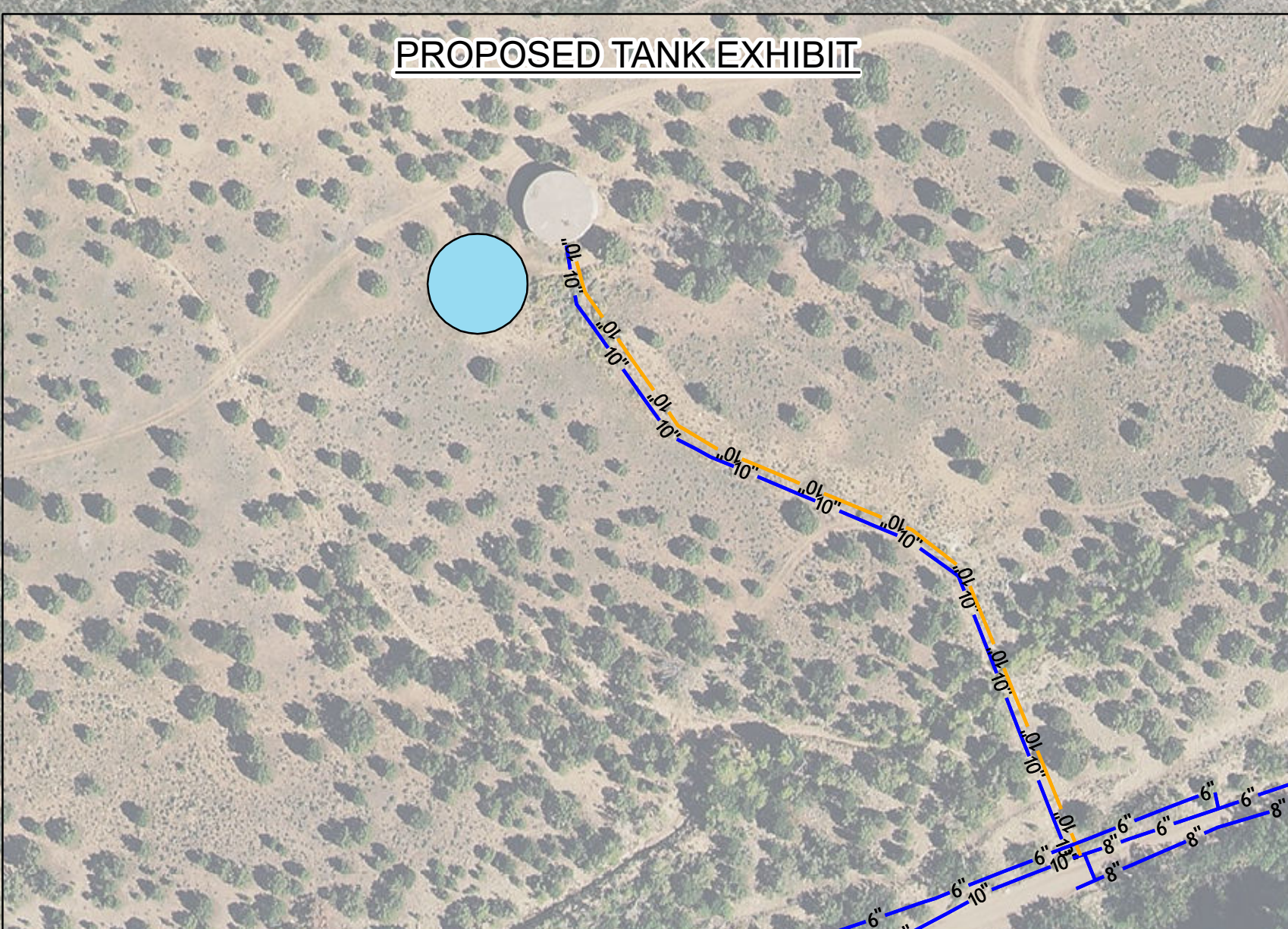
**MARYSVALE WATER MASTER PLAN**  
**MARYSVALE, UTAH**

NO.	DATE	REVISION	BY
1			
2			
3			
4			
5			
6			
7			
8			

**PROPOSED FIRE FLOW DEMAND**

PROJECT NUMBER: 11338      PRINT DATE: 8/2/2022  
 DRAWN BY: D. SCHALGAARD      CHECKED BY: K. MARCHANT  
 PROJECT MANAGER: K. CRANE

**EX-405**



**Legend**

- Proposed PRV

**Proposed Fire Flow Results**

**Available Fire Flow**

- 0 - 1200 GPM
- 1200 - 1500 GPM
- Above 1500 GPM

**Proposed Water Lines**

- Existing 2" Line
- Existing 4" Line
- Existing 6" Line
- Existing 8" Line
- Existing 10" Line
- Proposed 8" Line
- Proposed 10" Line
- Proposed 500,000 Tank

