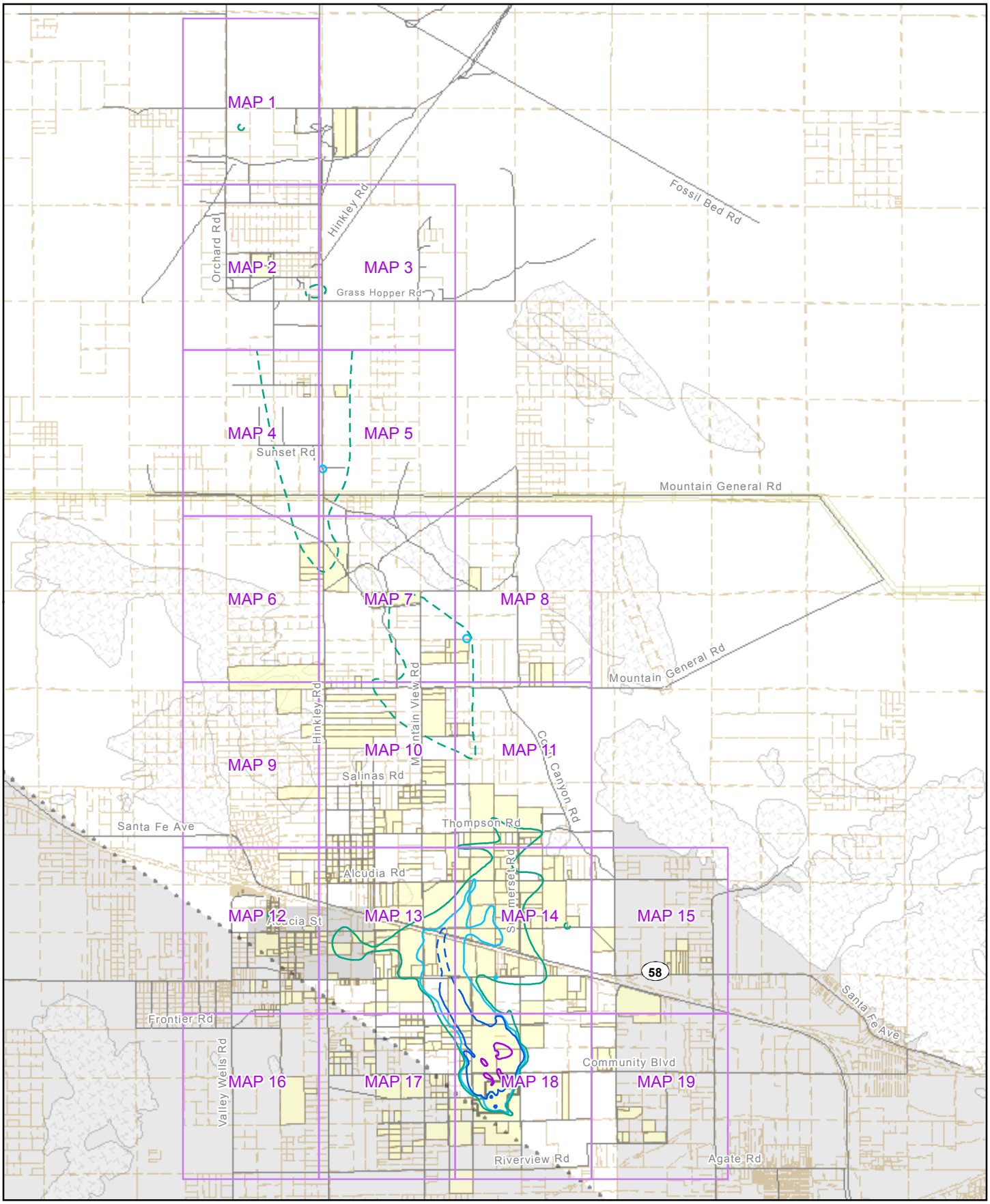


Map Grid Index

LEGEND:

- Groundwater monitoring well
- Agricultural supply well
- Domestic supply well
- Other supply well
- Groundwater extraction well (active)
- Multiuse test well, or inactive extraction/injection well
- Freshwater injection well
- PG&E-owned property
- PG&E Compressor Station
- County parcels
- Transmission lines
- Approximate limit of saturated alluvium upper aquifer (Dashed where inferred)
- Approximate location of Lockhart Fault; fault trace is inferred, and there is no surface expression (Stamos et al., 2001)
- Bedrock exposed at ground surface
- See Footnote 3.
- Approximate outline of Cr(VI) or Cr(T) in Upper Aquifer exceeding values of 3.1 and 3.2 µg/L, respectively, Second Quarter 2015
- Approximate 10 µg/L outline of Cr(VI) or Cr(T) concentrations in Upper Aquifer, Second Quarter 2015
- Approximate 50 µg/L outline of Cr(VI) or Cr(T) concentrations in Upper Aquifer, Second Quarter 2015
- Approximate 1,000 µg/L outline of Cr(VI) or Cr(T) concentrations in Upper Aquifer, Second Quarter 2015

MW-77S Well ID
0.92/ND Cr(VI)/Cr(T) concentrations in µg/L; maximum of primary and duplicate samples during Second Quarter 2015 sampling.

ABBREVIATIONS:

µg/L	micrograms per liter
Cr(VI)	hexavalent chromium
Cr(T)	total dissolved chromium
IRZ	In Situ Reactive Zone
ND	not detected
NS	not sampled

Groundwater Cr(VI) concentrations in monitoring wells:

- More than 1,000 µg/L
- 100 to 1,000 µg/L
- 50 to 100 µg/L
- 10 to 50 µg/L
- 3.1 to 10 µg/L
- Less than 3.1 µg/L or ND

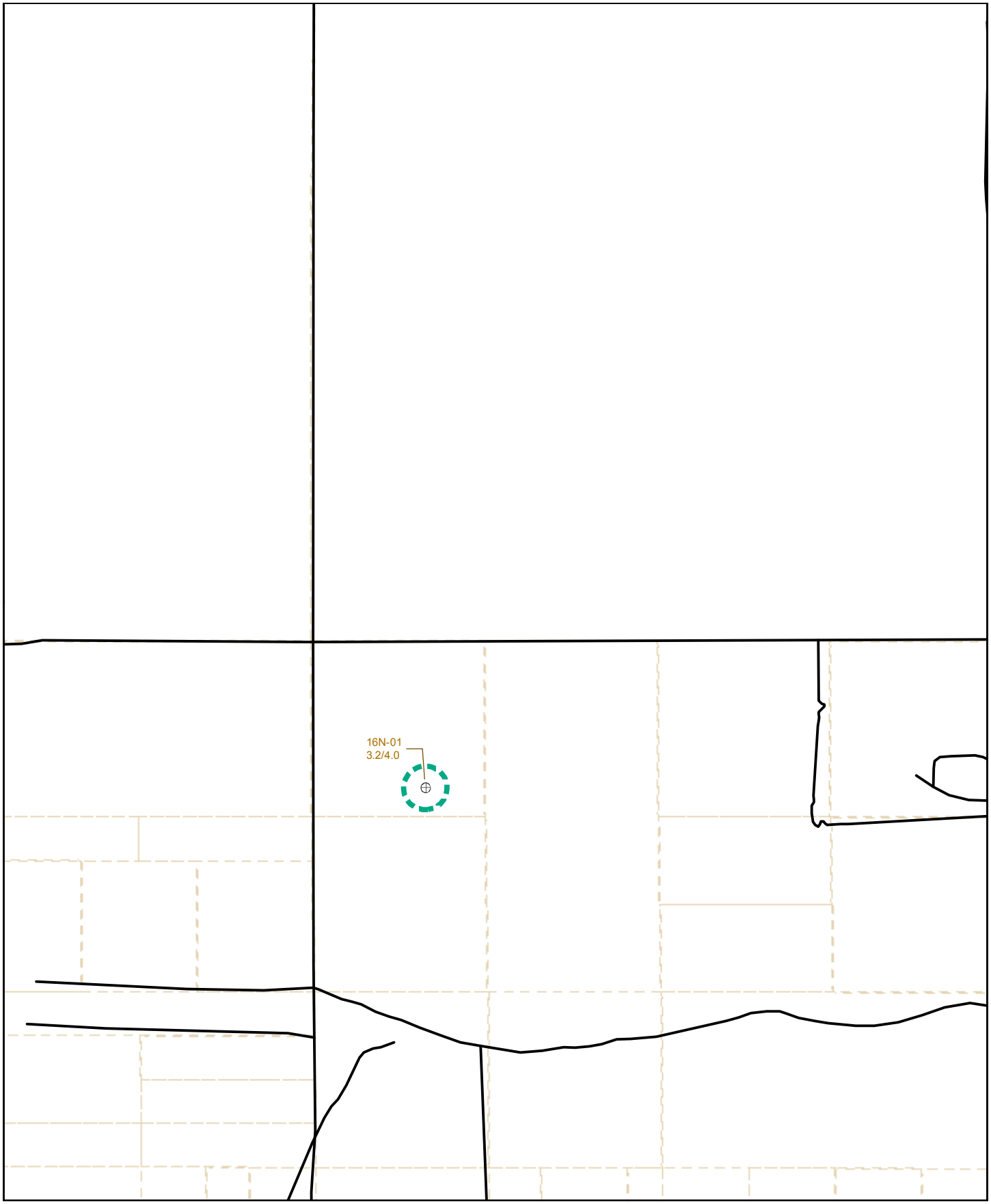
NOTES:

1. Chromium results are shown for site-wide Groundwater Monitoring Program and domestic wells sampled in the Second Quarter (April through June) 2015 monitoring period. For wells sampled multiple times during the reporting period, the most recent results are shown.

2. The concentration contours are based on Second Quarter 2015 chromium results for the groundwater monitoring and extraction wells that are completed in the shallow zone and deep zone of the Upper Aquifer as noted on Figures 5-1 and 5-2. Results for domestic wells (brown-colored labels) were not used for chromium plume contouring except for those located north of Grasshopper Road, pursuant to the Lahonton Regional Water Quality Control Board's Letter Conditional Acceptance of Northern Areas Investigation Proposal dated February 26, 2014

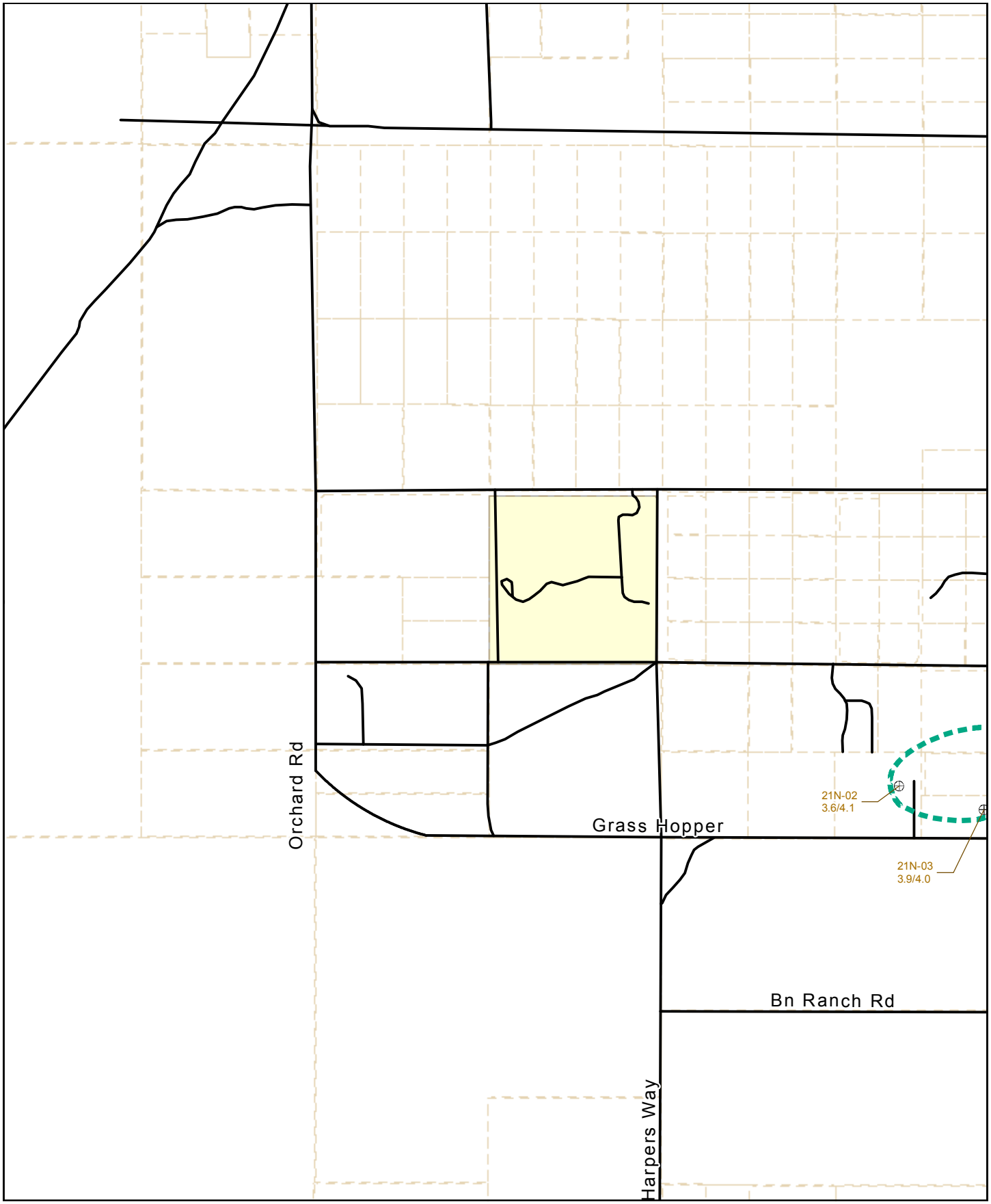
3. Pursuant to the Lahontan Regional Water Quality Control Board's letter *Review of Chromium Plume Maps, Third Quarter 2013 Groundwater Monitoring Report and Agreement with Northern Investigation Concept* dated December 12, 2013, groundwater monitoring wells are not used for chromium contouring if they are located in the areas southwest of the Lockhart Fault and on or east of Dixie Road.

4. Chromium plume contouring for concentrations of 10, 50 and 1000 ug/L are completed using the more robust dataset presented in the July 15, 2015 Second Quarter 2015 Monitoring Report for the In Situ Reactive Zone and Northwest Freshwater Injection Projects and represent a composite of the shallow and deep zone contours presented therein. Select wells from that program are shown here for reference.



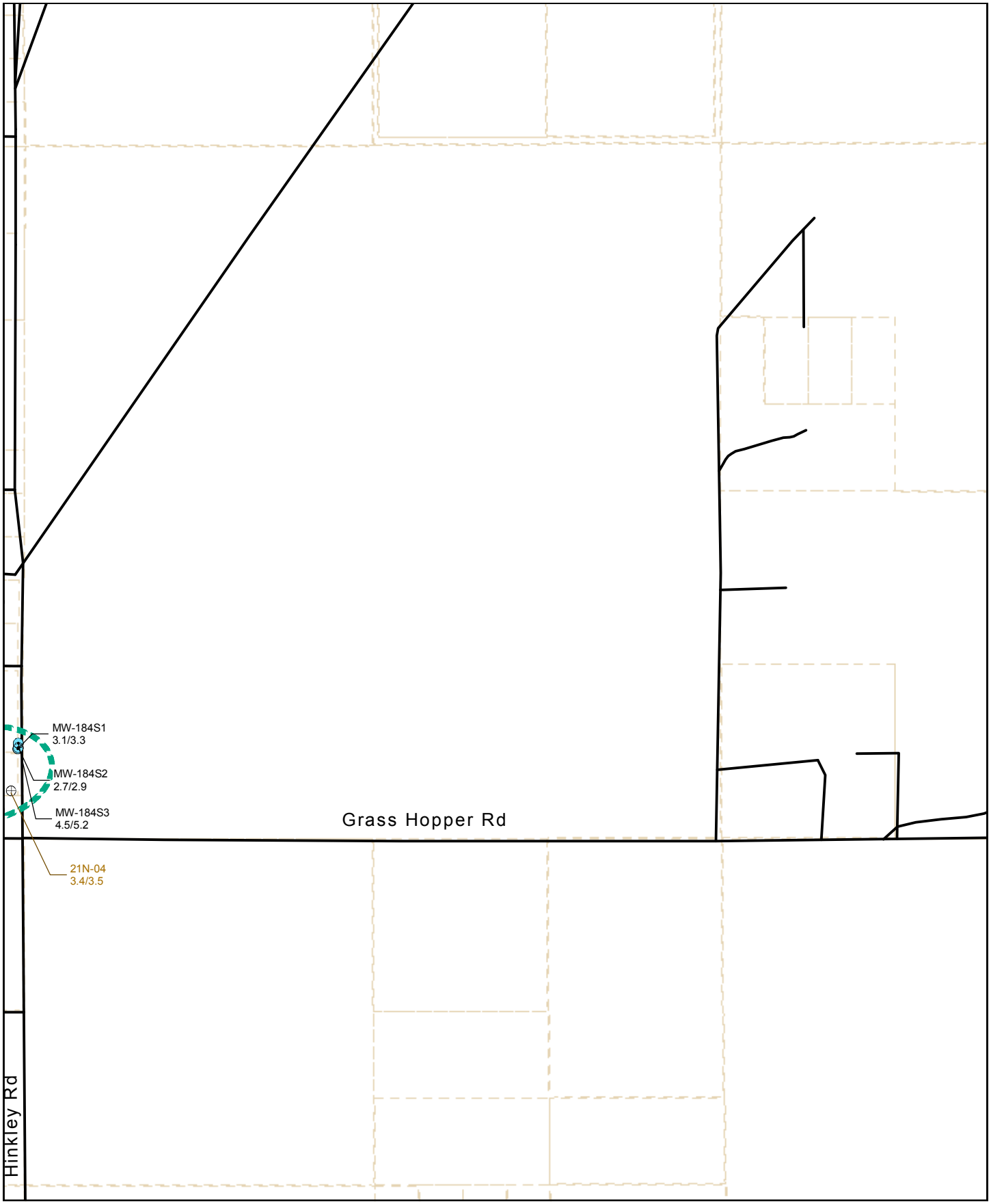
See Legend Figure for Feature Descriptions

MAP 01



See Legend Figure for Feature Descriptions

MAP 02

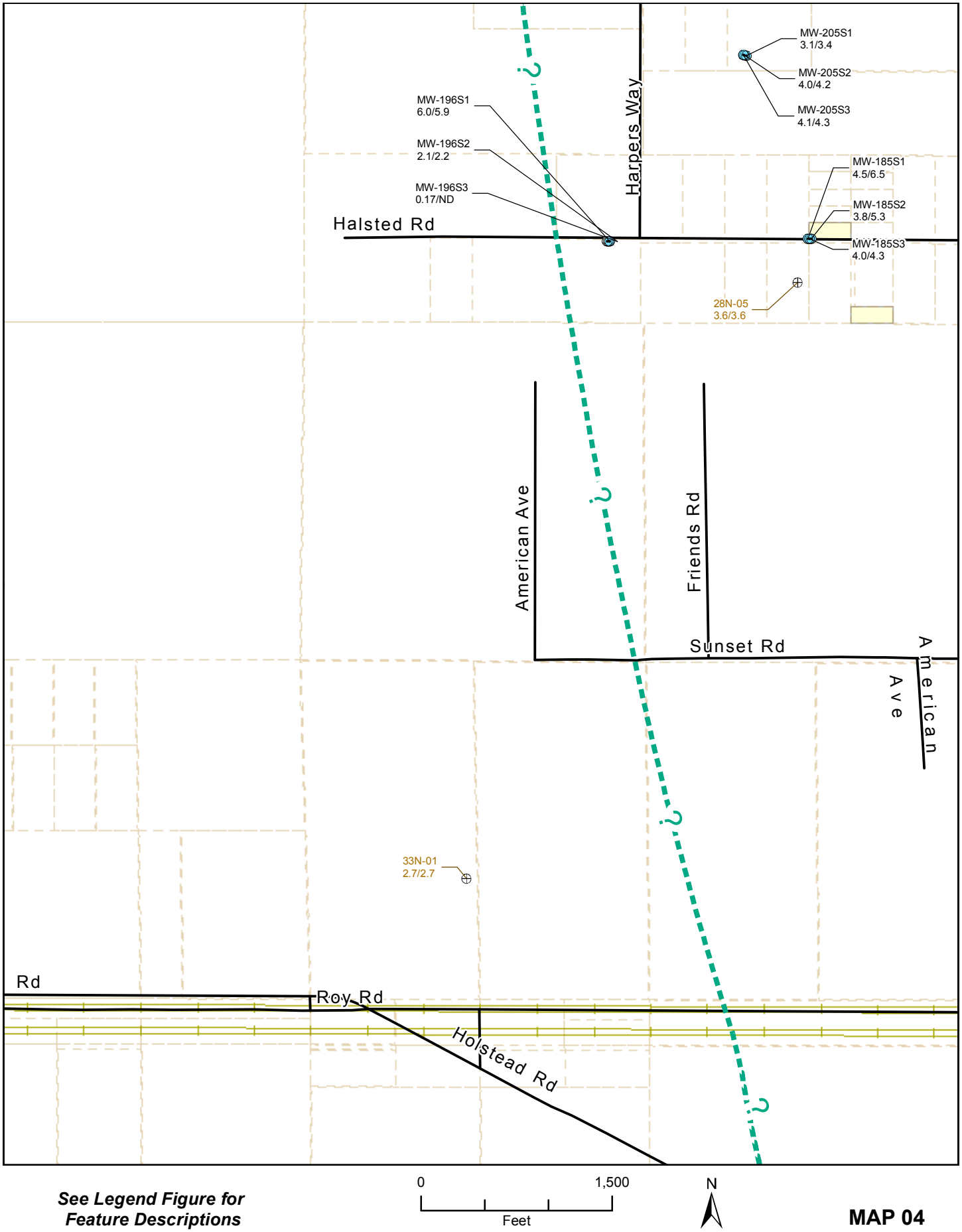


See Legend Figure for Feature Descriptions

0 1,500
Feet

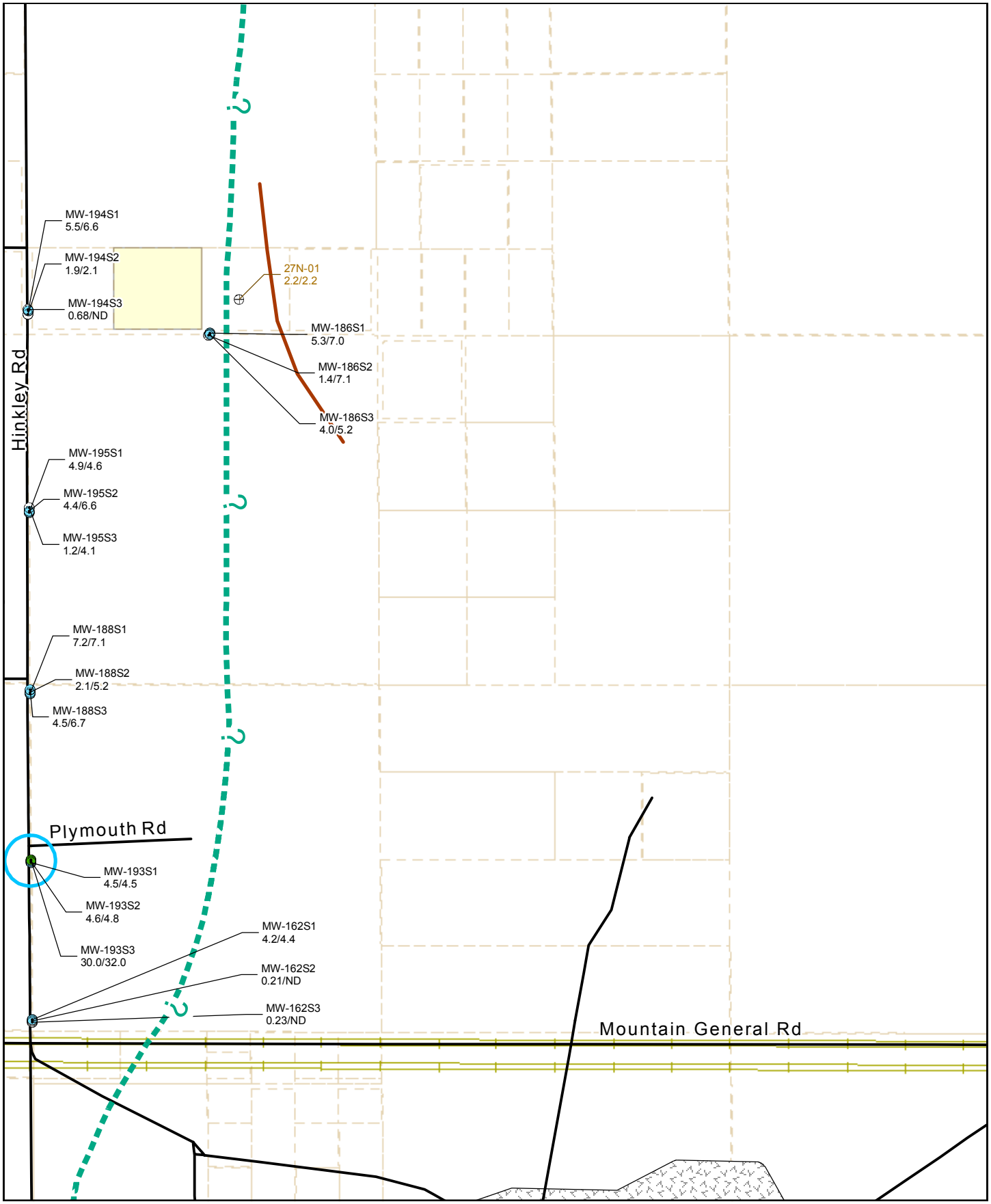
N

MAP 03



See Legend Figure for Feature Descriptions

MAP 04



See Legend Figure for Feature Descriptions

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Feet

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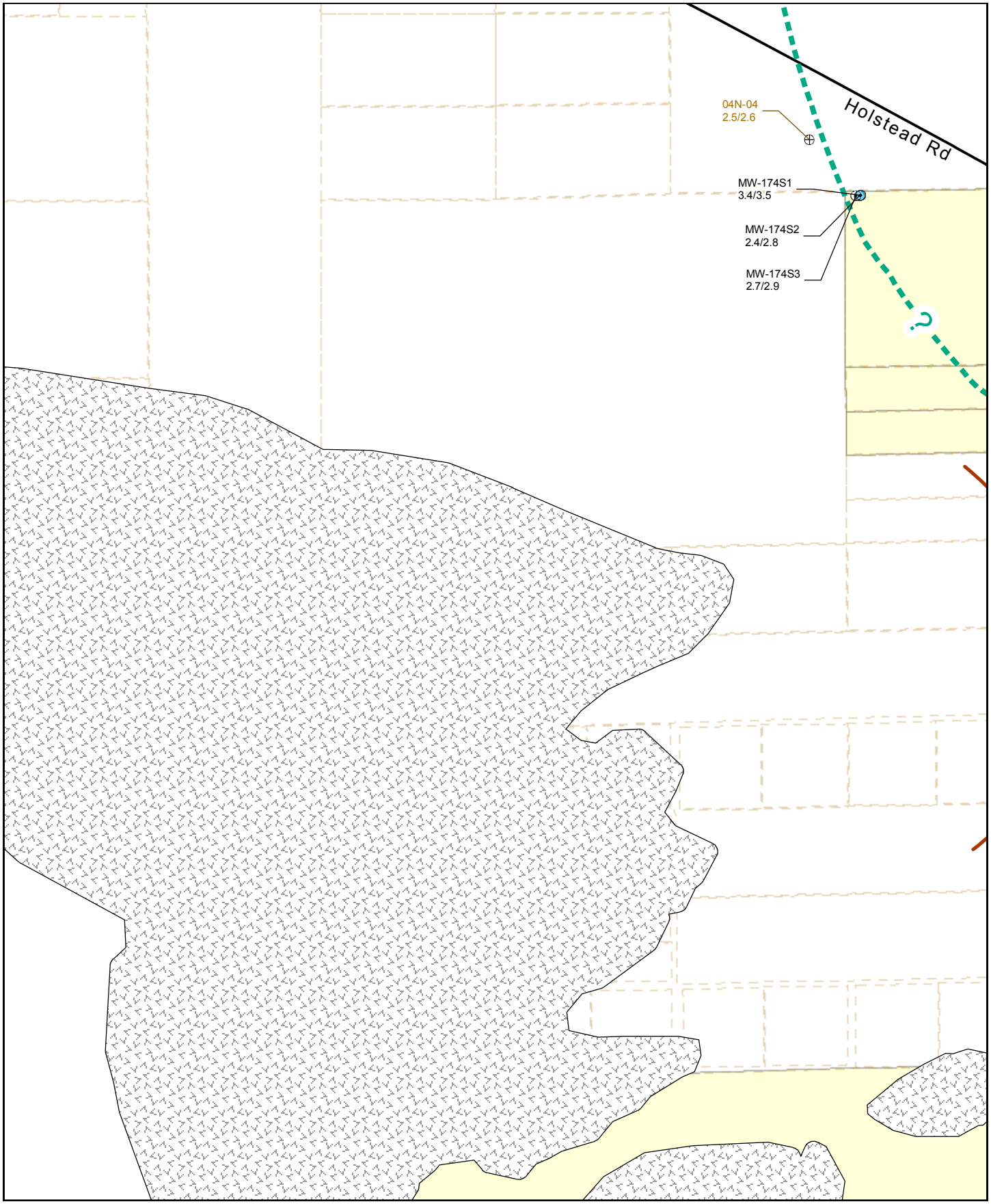
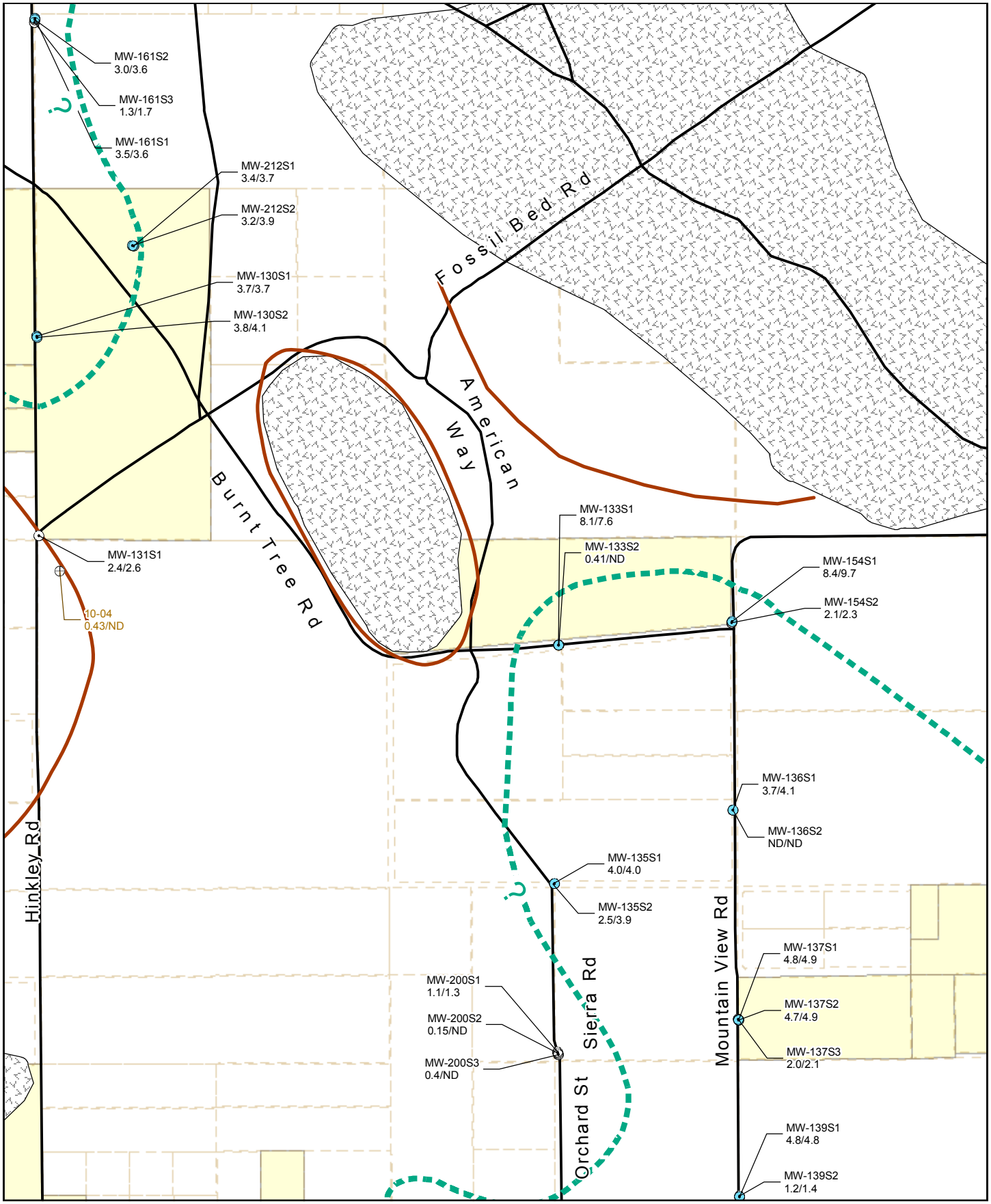
MAP 05



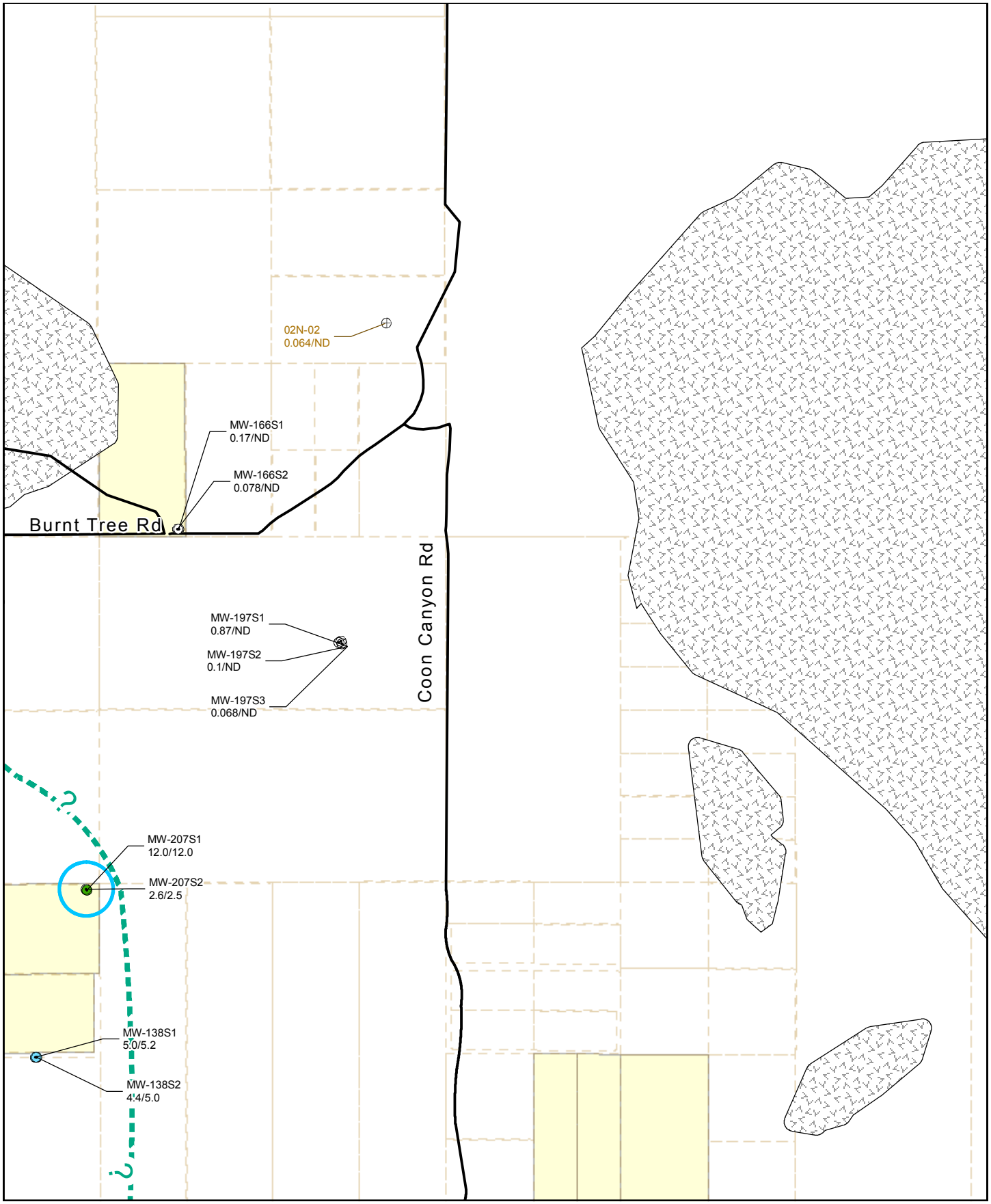
See Legend Figure for Feature Descriptions

MAP 06



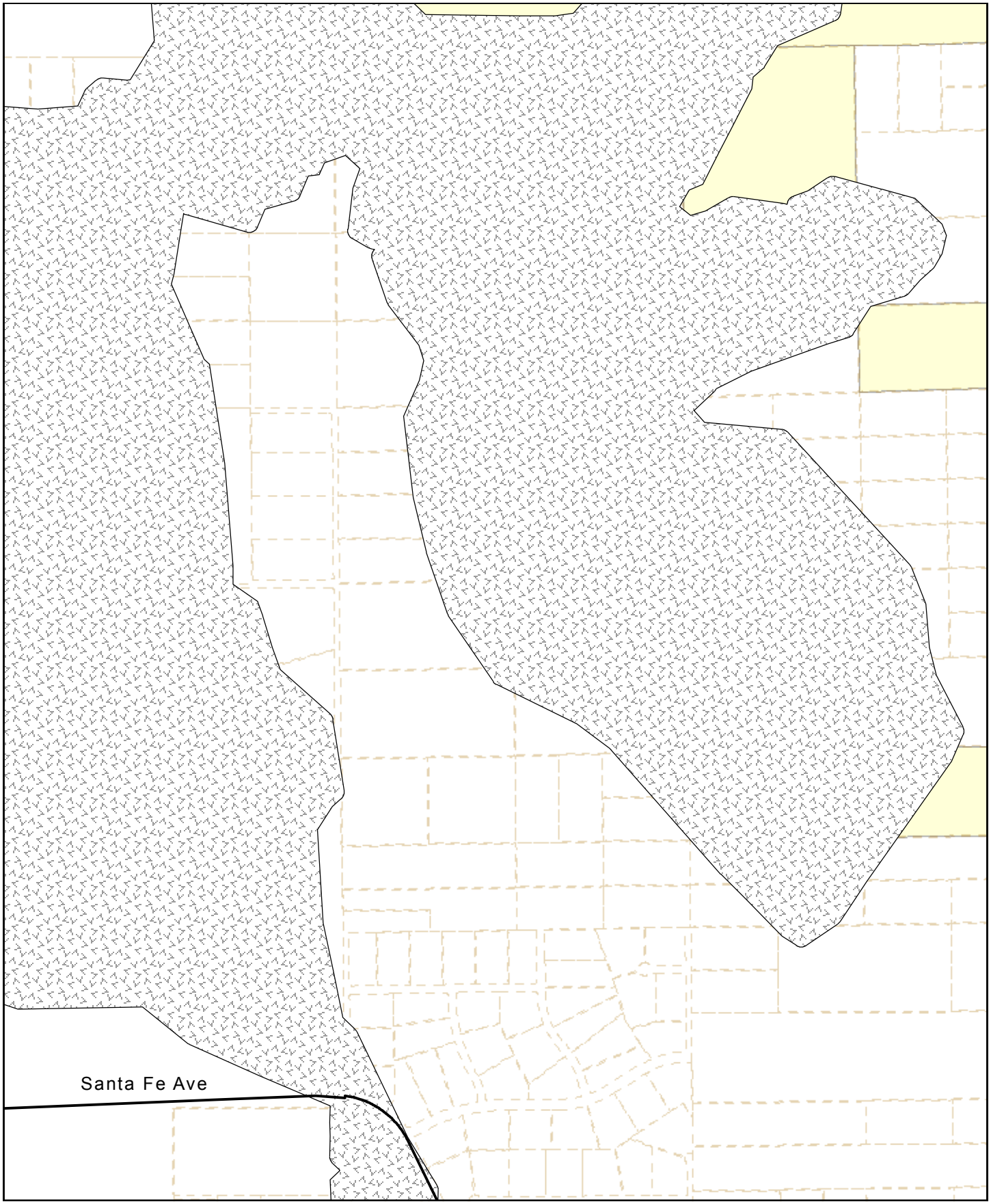
See Legend Figure for Feature Descriptions

MAP 07



See Legend Figure for Feature Descriptions

MAP 08



See Legend Figure for Feature Descriptions

0 1,500

Feet

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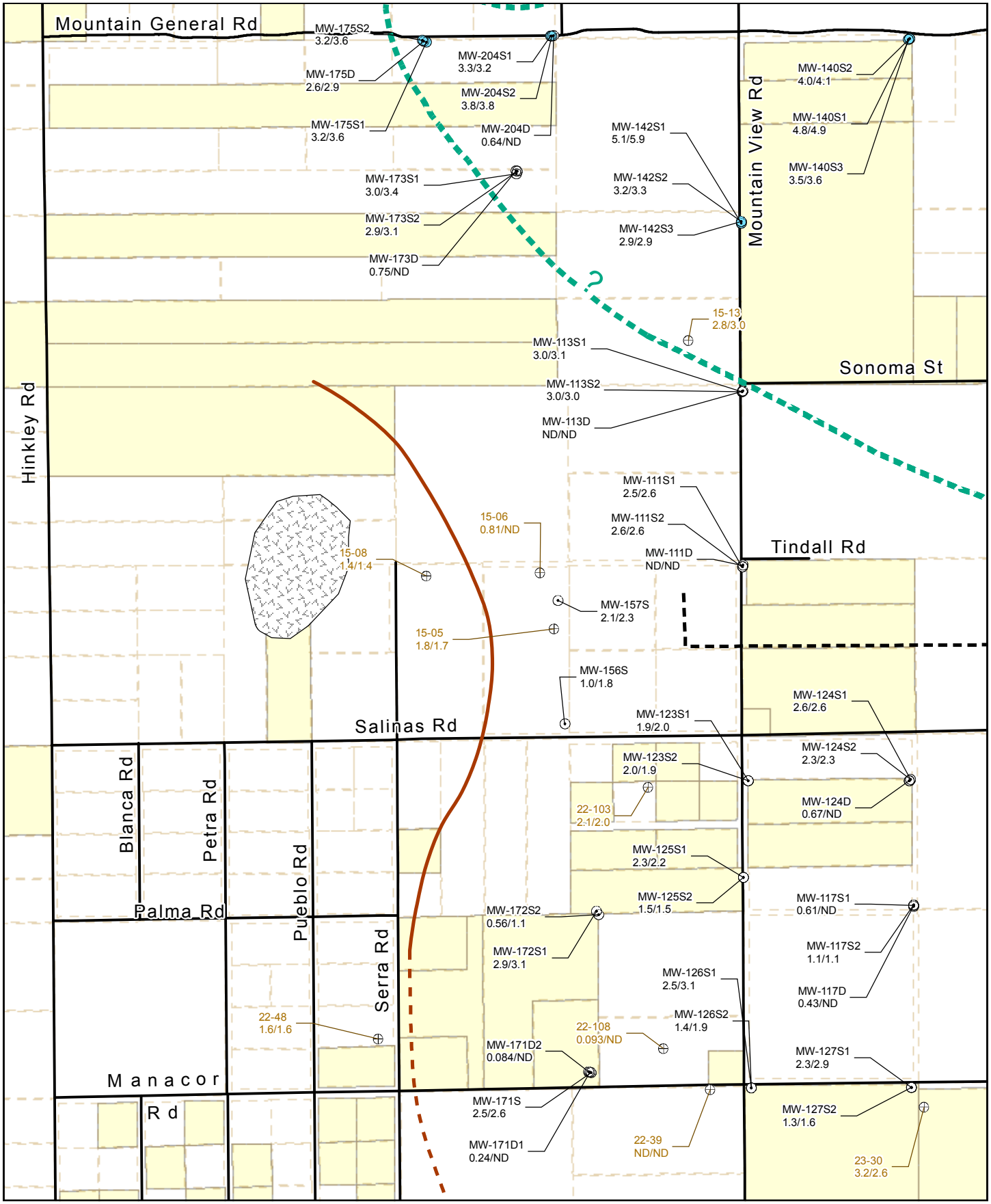
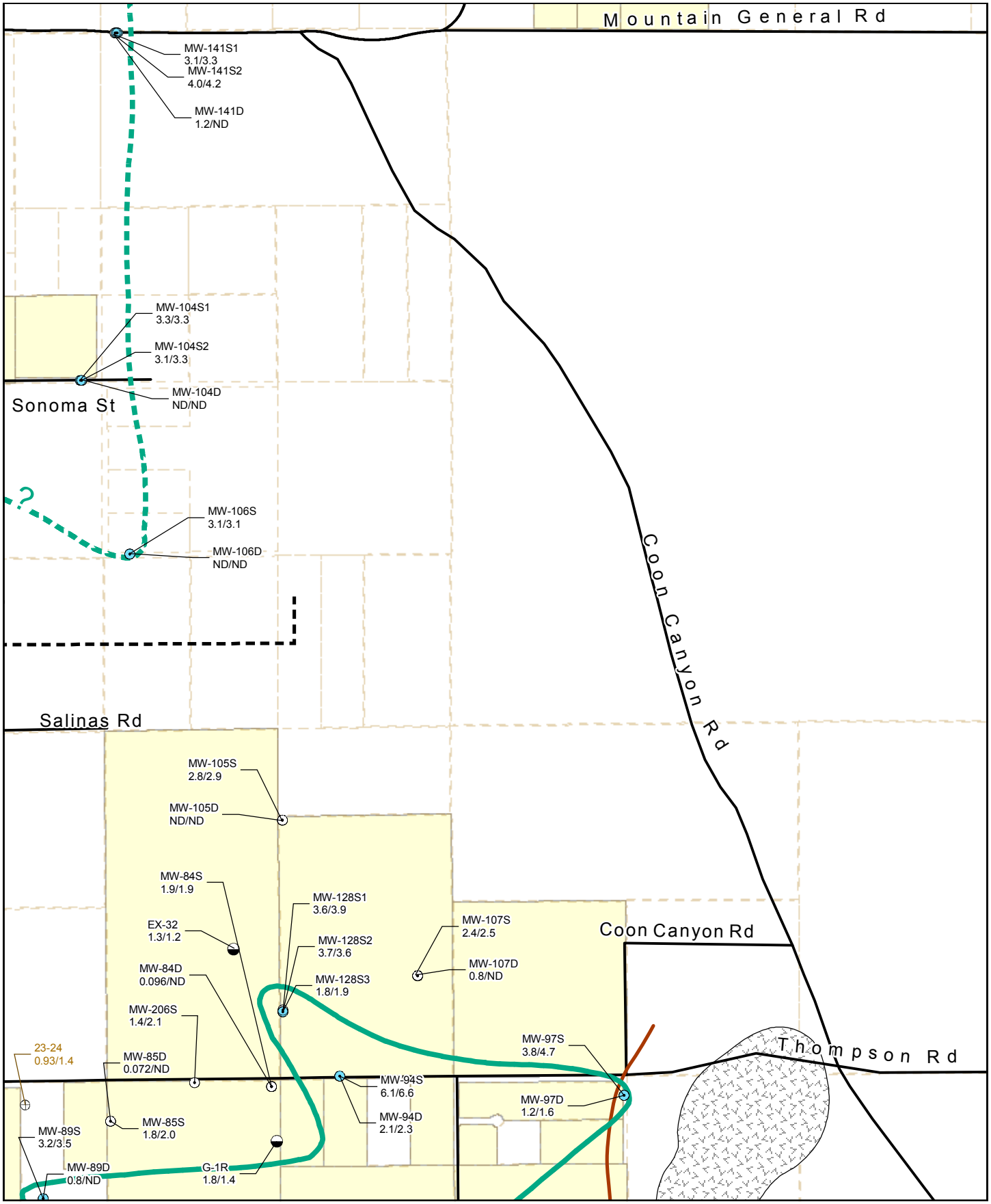
MAP 09



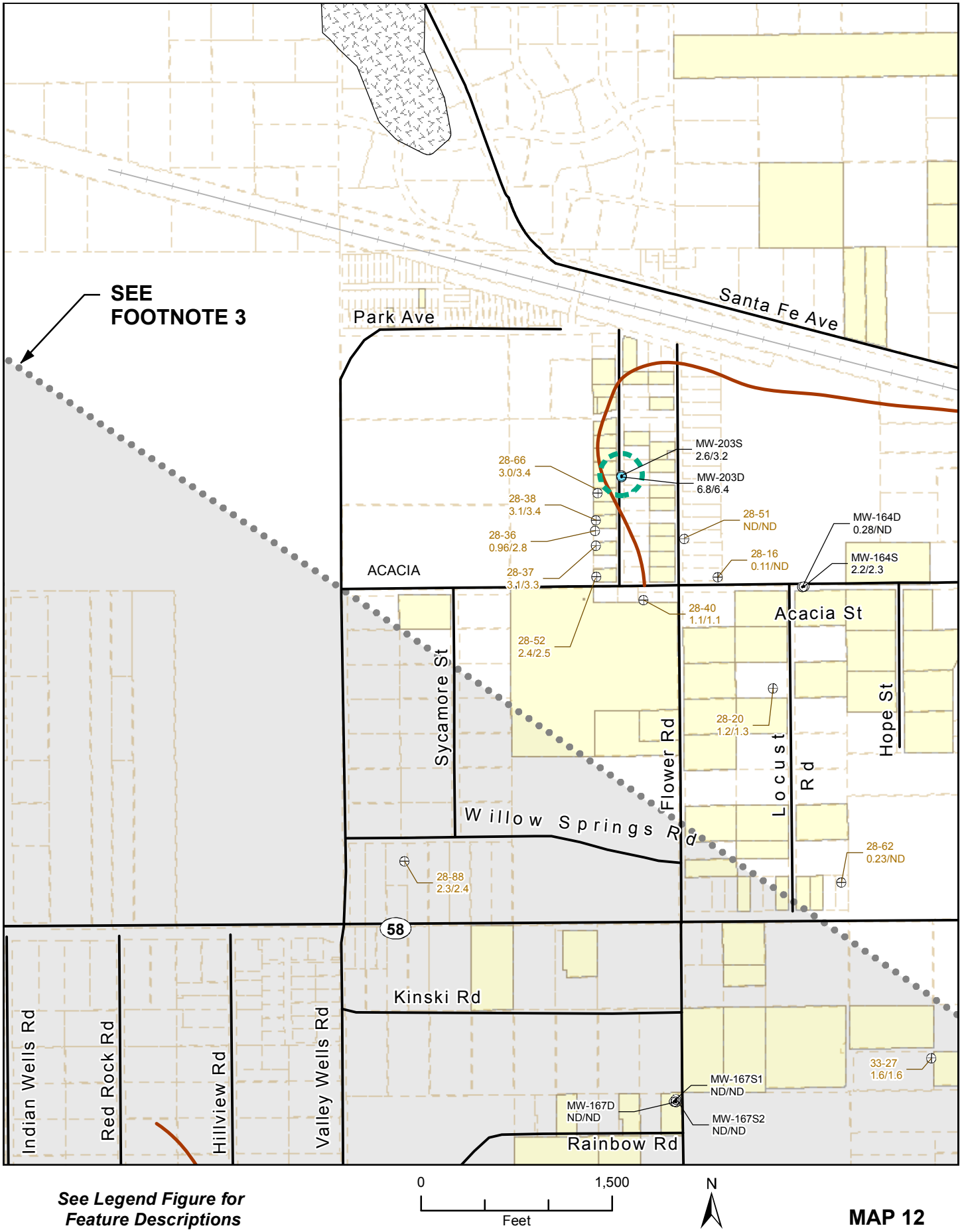
See Legend Figure for Feature Descriptions

MAP 10



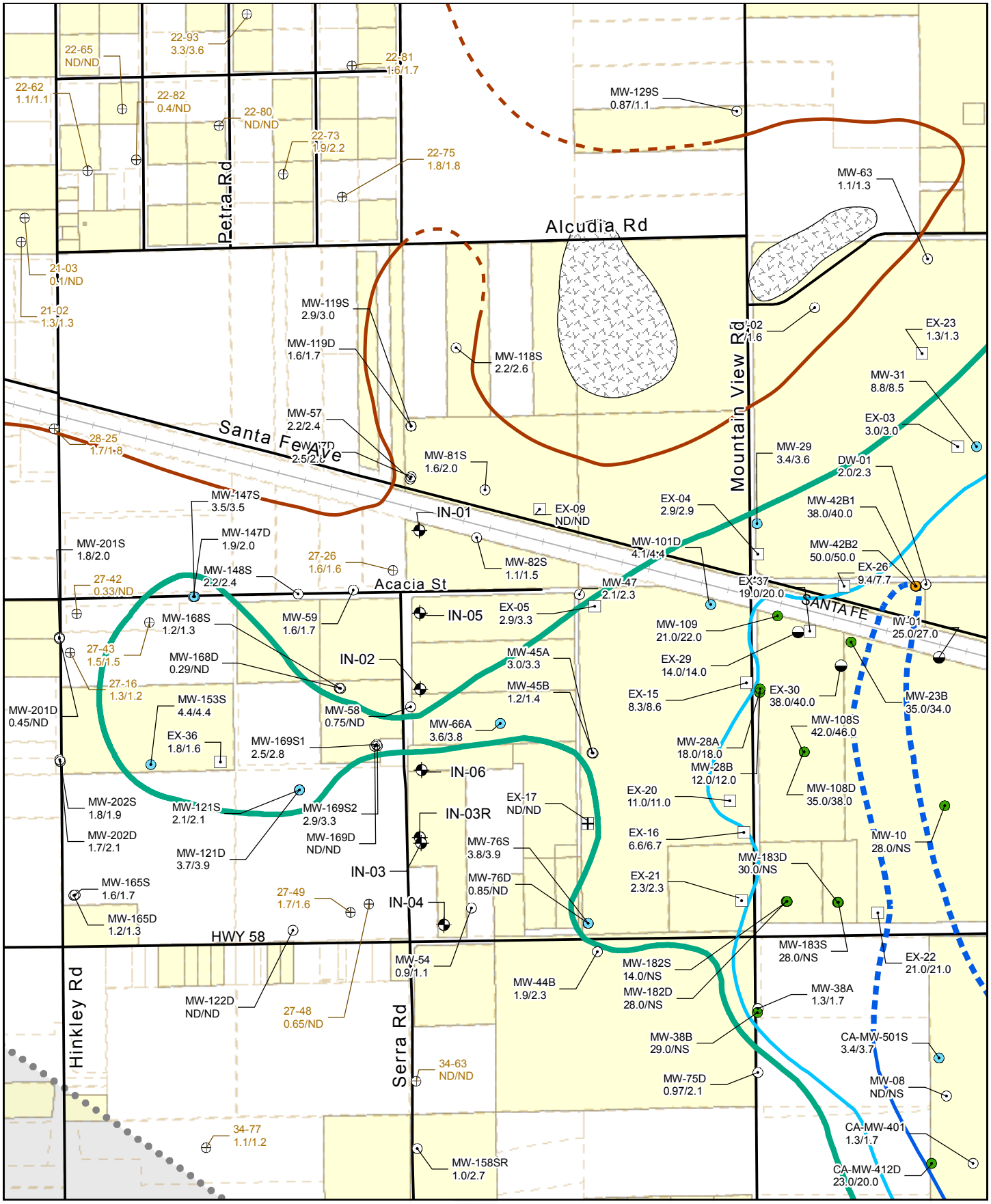
See Legend Figure for Feature Descriptions

MAP 11



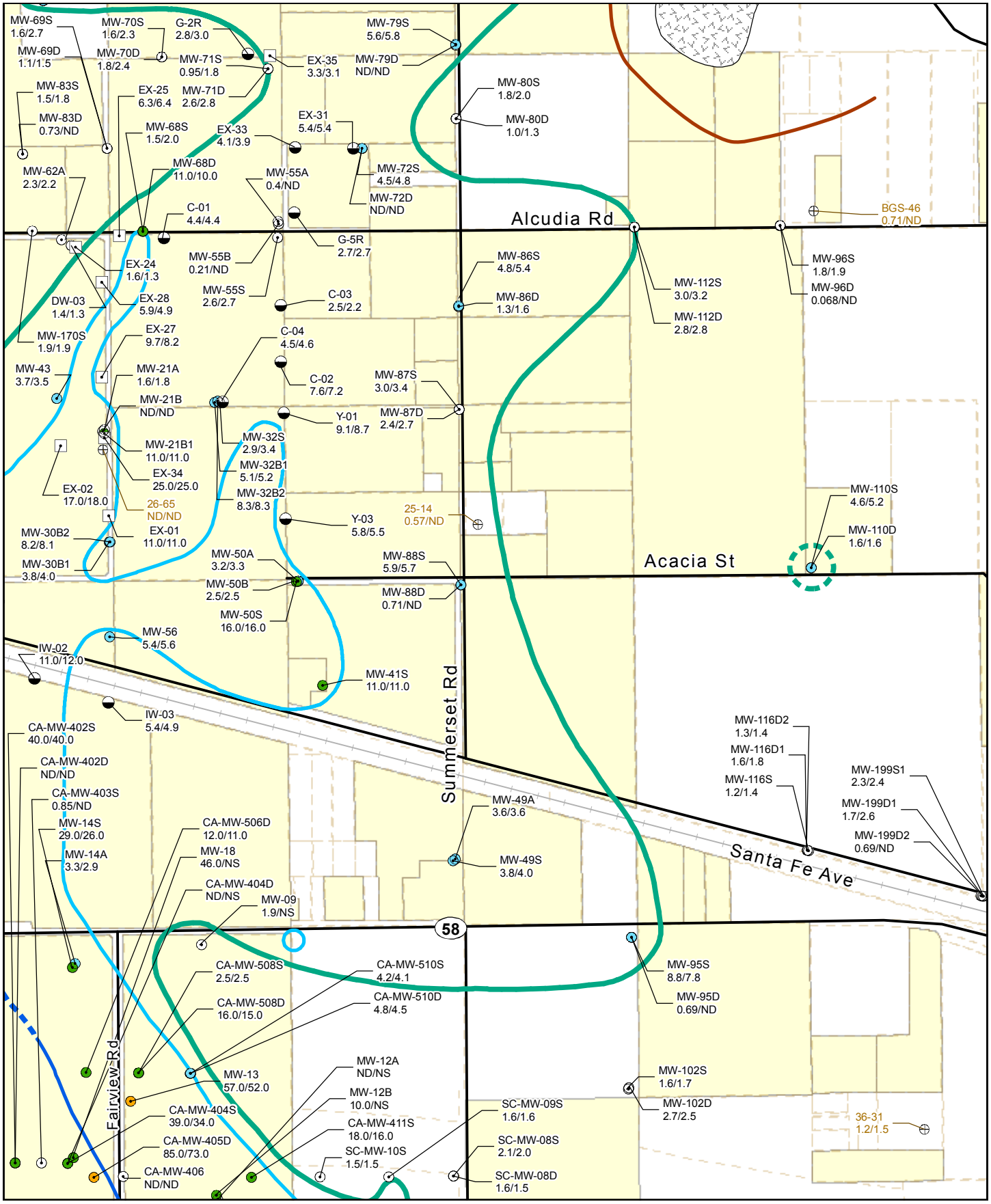
See Legend Figure for Feature Descriptions

MAP 12



See Legend Figure for Feature Descriptions

MAP 13



See Legend Figure for Feature Descriptions

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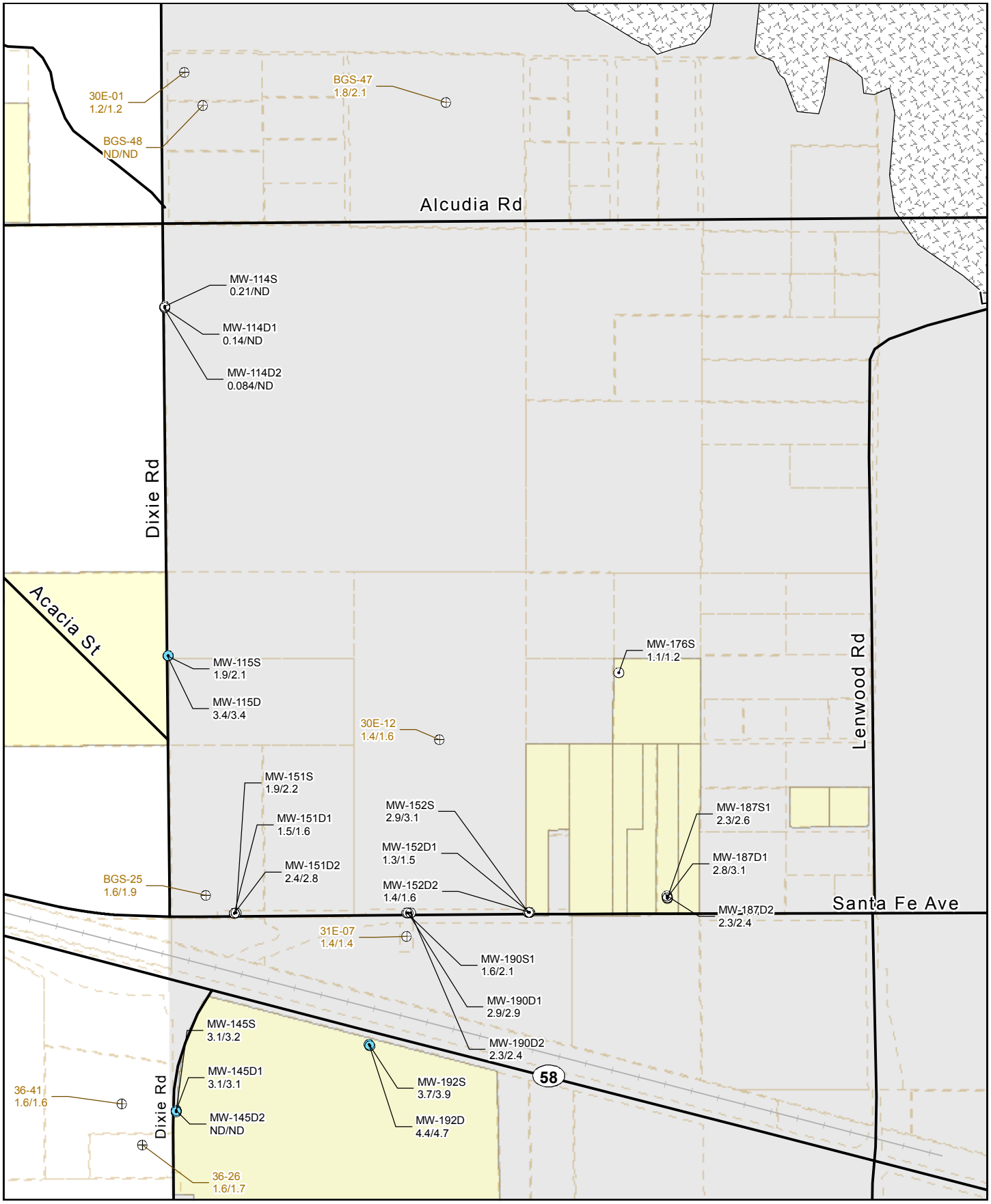
MAP 14



See Legend Figure for Feature Descriptions

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Feet

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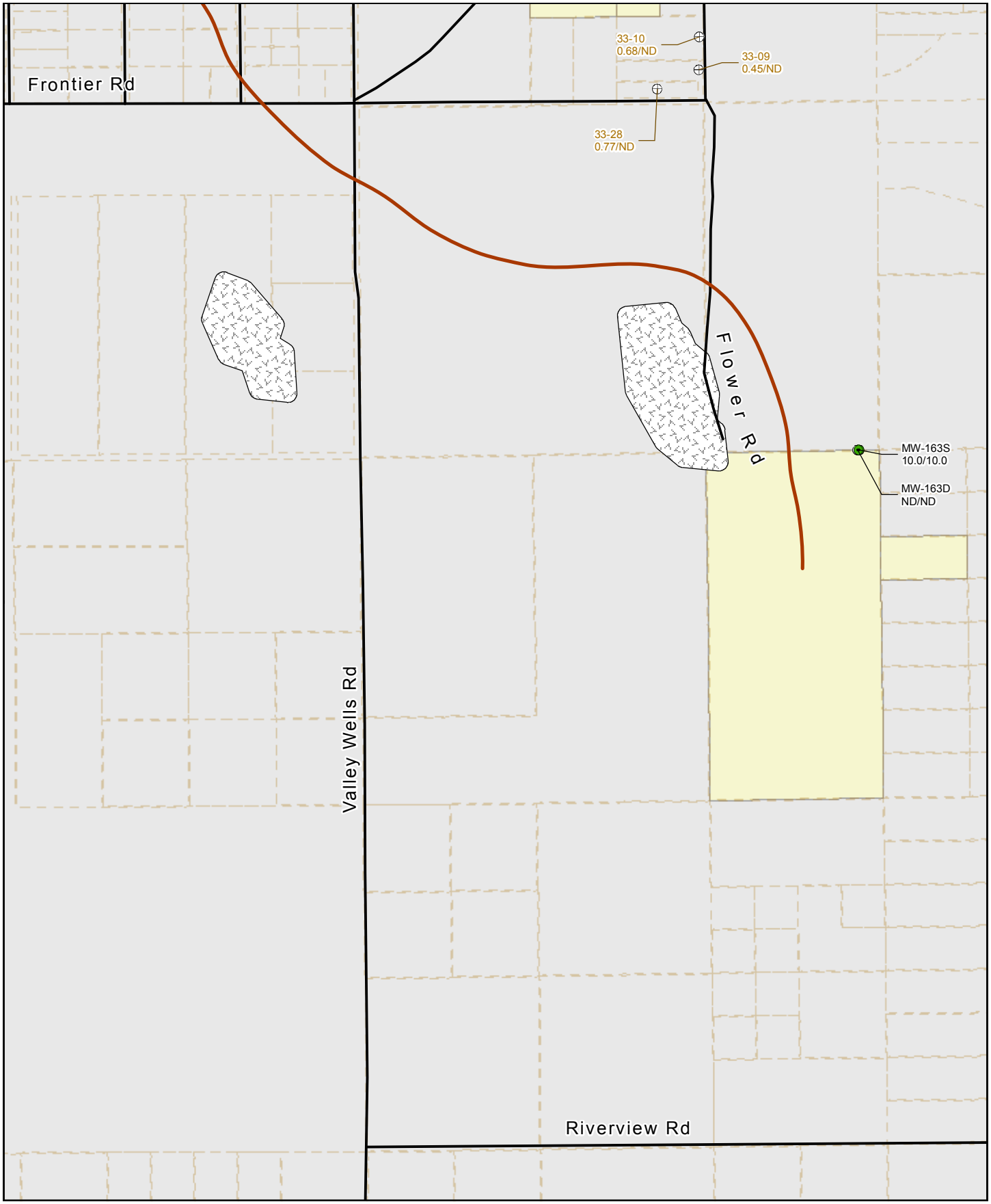
MAP 15



See Legend Figure for Feature Descriptions

0 1,500
Feet

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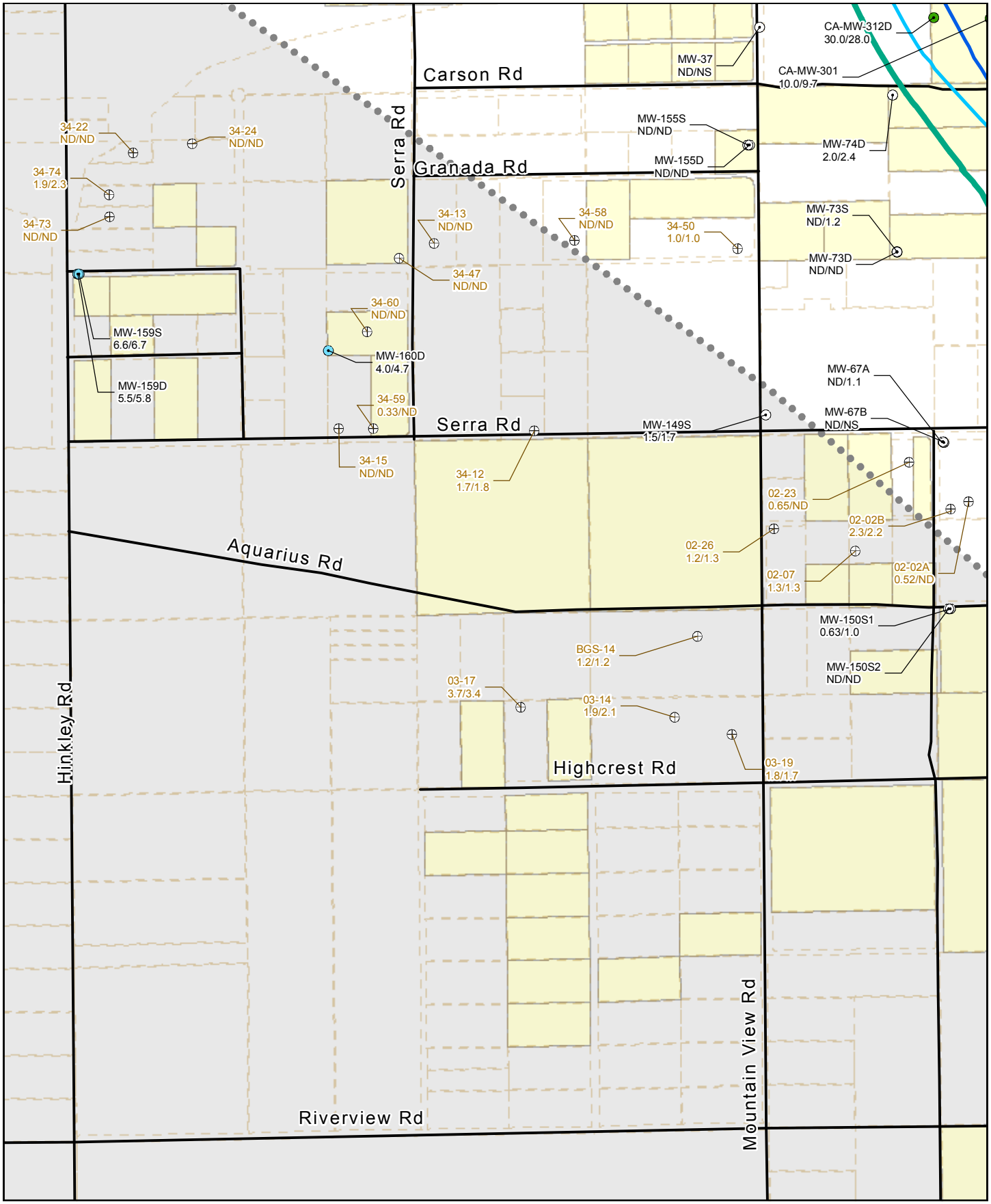
MAP 16



See Legend Figure for Feature Descriptions

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Feet

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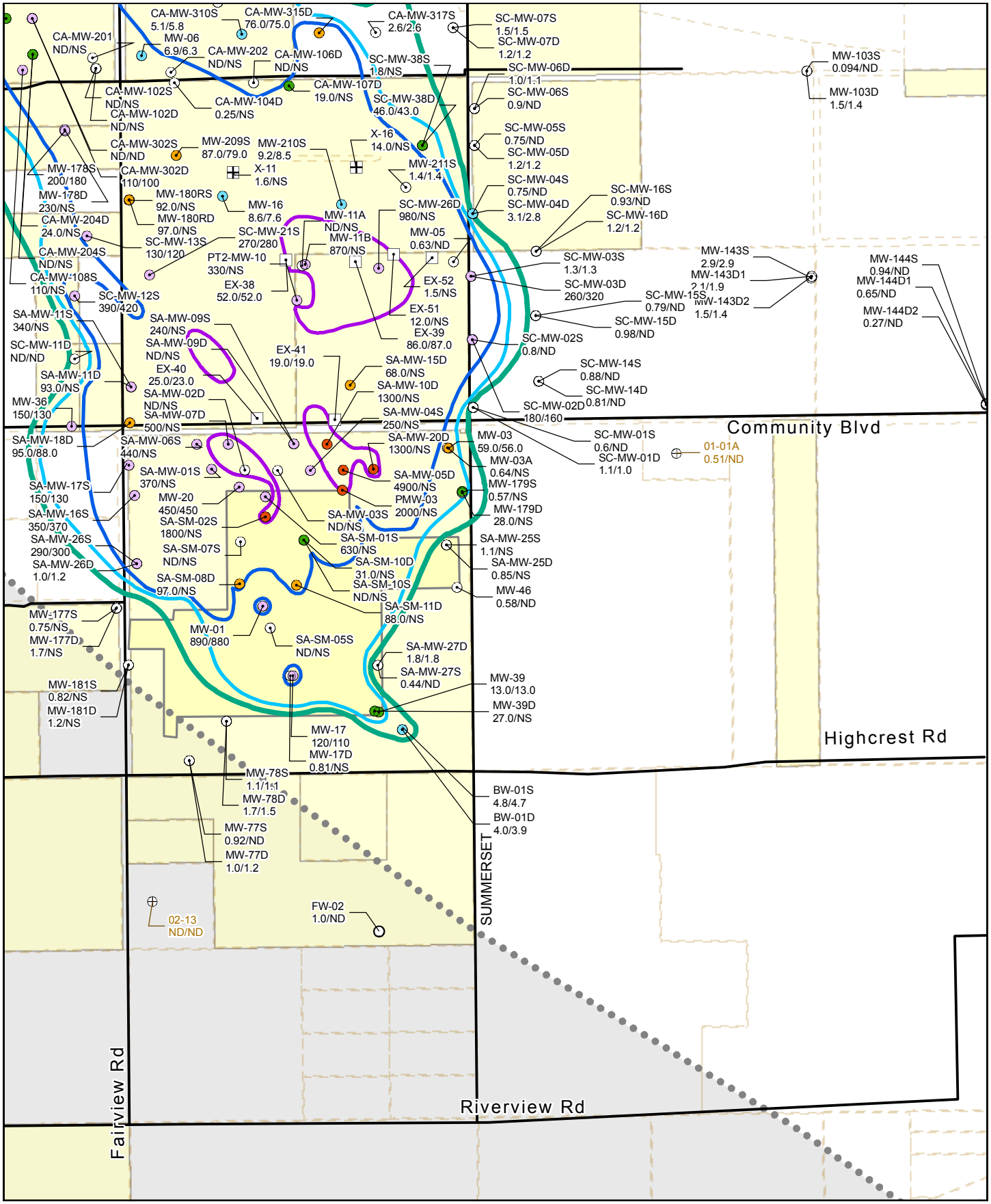
MAP 17



See Legend Figure for Feature Descriptions

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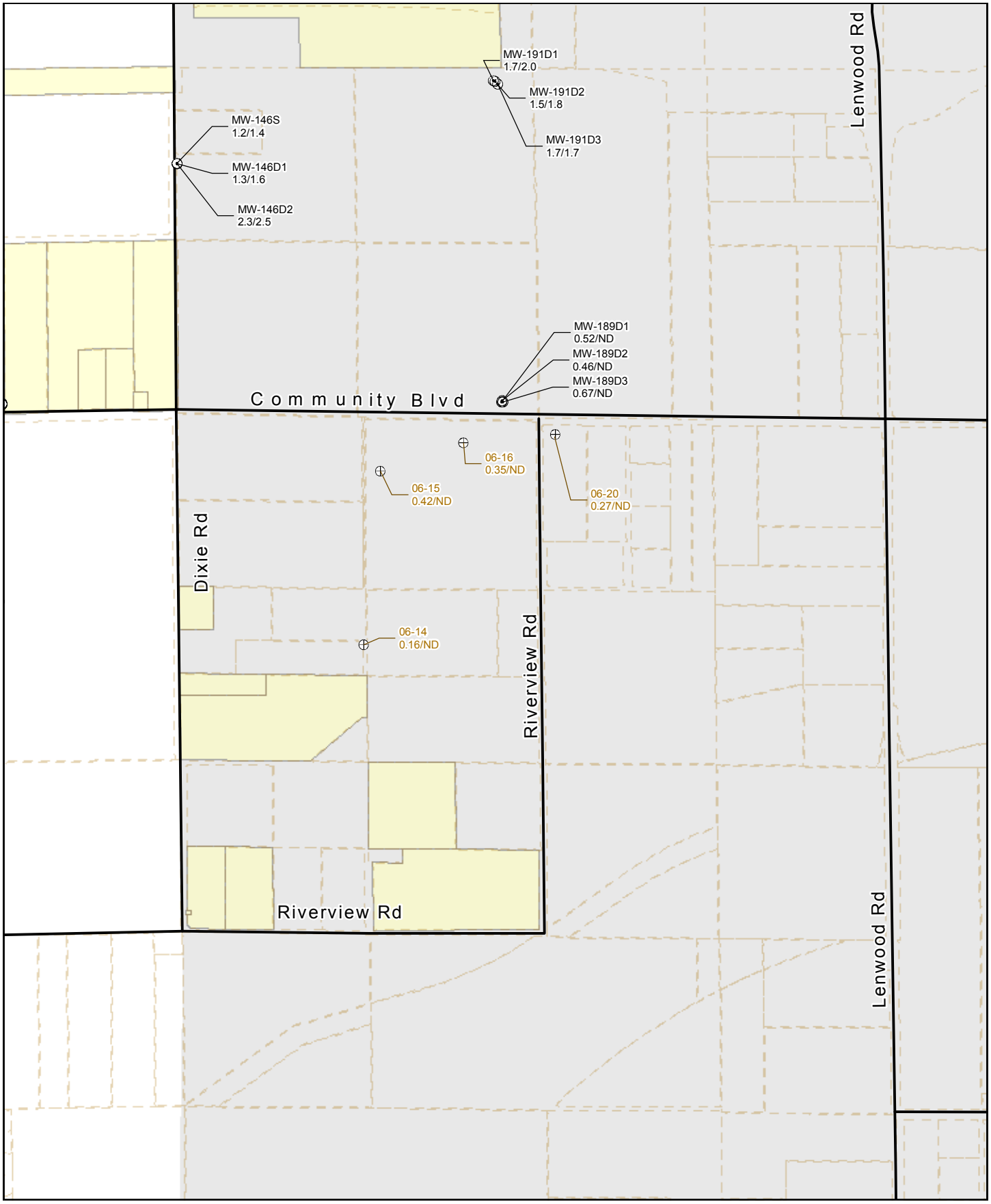
MAP 18



See Legend Figure for Feature Descriptions

0 1,500
Feet

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MAP 19