




















Map Grid Index

LEGEND:






- | | |
|---|---|
|  Groundwater Monitoring Well |  Approximate Limit of Saturated Alluvium Upper Aquifer (Dashed Where Inferred) |
|  Agricultural Supply Well |  Approximate Location of Lockhart Fault; Fault Trace is Inferred, and There is No Surface Expression (Stamos et al., 2001) |
|  Domestic Supply Well |  Bedrock Exposed at Ground Surface |
|  Other Supply Well |  See Footnote 3. |
|  Groundwater Extraction Well (Active) |  Approximate Outline of Cr(VI) or Cr(T) in Upper Aquifer Exceeding Values of 3.1 and 3.2 µg/L, Respectively, Second Quarter 2016 |
|  Multiuse Test Well, or Inactive Extraction/Injection Well |  Approximate 10 µg/L Outline of Cr(VI) or Cr(T) Concentrations in Upper Aquifer, Second Quarter 2016 |
|  Freshwater Injection Well |  Approximate 50 µg/L Outline of Cr(T) Concentrations in Upper Aquifer, Second Quarter 2016 |
|  PG&E-Owned Property |  Approximate 1,000 µg/L Outline of Cr(VI) or Cr(T) Concentrations in Upper Aquifer, Second Quarter 2016 |
|  PG&E Compressor Station | |
|  County Parcel | |
|  Transmission Line | |

MW-77S Well ID
0.92/ND Cr(VI)/Cr(T) concentrations in µg/L; maximum of primary and duplicate samples during Second Quarter 2016 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:

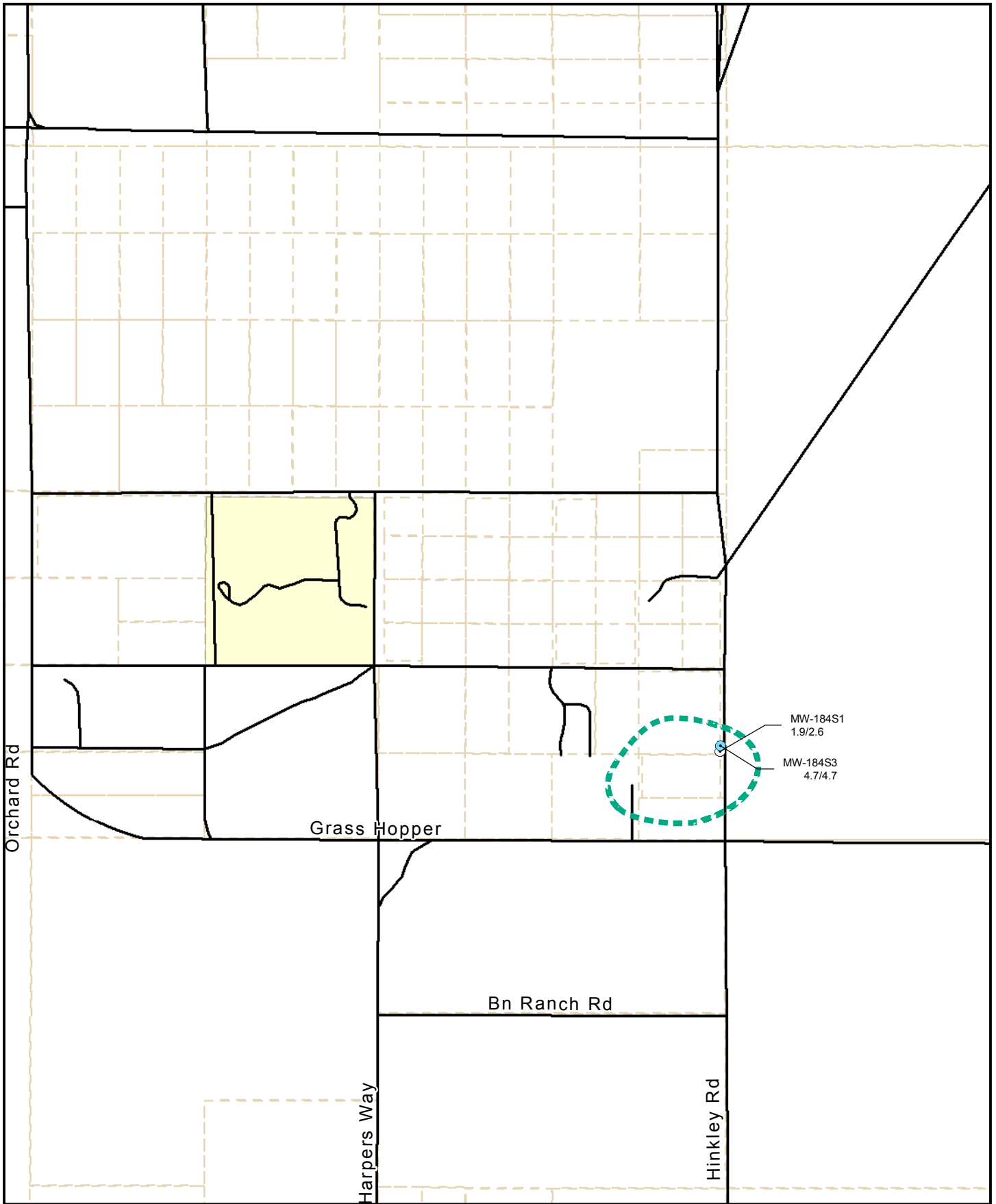
- | | |
|--|--|
|  More than 1,000 µg/L |  10 to 50 µg/L |
|  100 to 1,000 µg/L |  3.1 to 10 µg/L |
|  50 to 100 µg/L |  Less than 3.1 µg/L or ND |

NOTES:

- Chromium results are shown for Site-wide Groundwater Monitoring Program and domestic wells sampled in the Second Quarter (April through June) 2016 monitoring period. For wells sampled multiple times during the reporting period, the most recent results are shown.
- The concentration contours are based on Second Quarter 2016 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 in the northern disputed plume areas, pursuant to the Lahonton Regional Water Quality Control Board's Cleanup and Abatement Order dated November 4, 2015.
- Pursuant to the Lahonton Regional Water Quality Control Board's Cleanup and Abatement Order dated November 4, 2015, 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. Monitoring wells sampled southwest of Lockhart Fault and east of Dixie Road were sampled in support of United States Geological Survey background chromium investigations.
- Chromium plume contours in the general area south of Highway 58, were developed using a larger set of monitoring data which is presented in the the July 29, 2016 Second Quarter 2016 Monitoring Report for the In Situ Reactive Zone and Northwest Freshwater Injection Projects (Arcadis 2016). Select wells from that program are shown here for reference.

WORK CITED:

Stamos, C.L., P. Martin, T. Nishikawa, and B.F. Cox. 2001. *Simulation of Ground-Water Flow in the Mojave River Basin, California*. U.S. Geological Survey Water-Resources Investigations Report 01-4002, Version 3. Prepared in cooperation with the Mojave Water Agency.

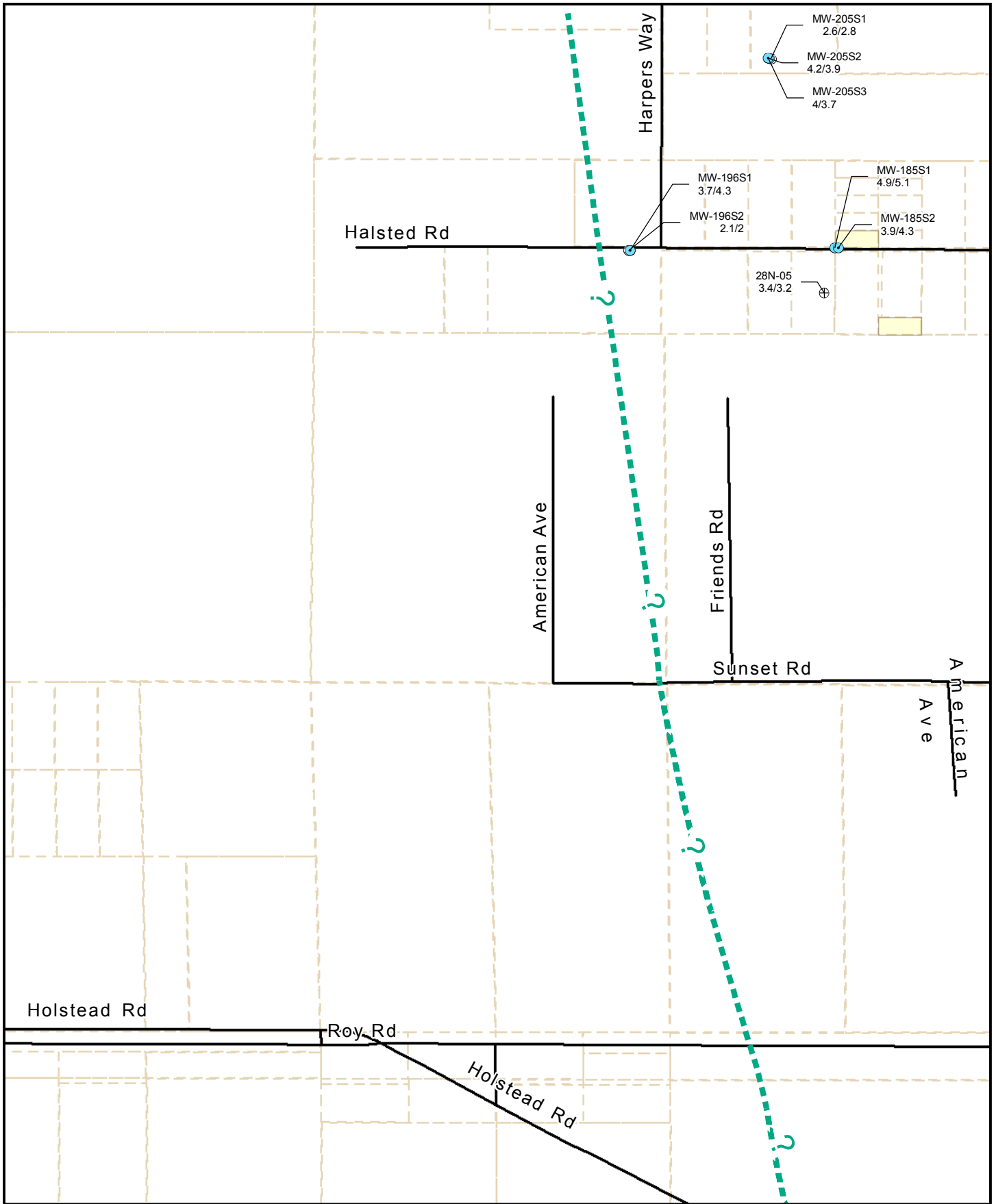


See Legend Figure for
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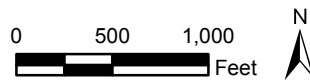
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Feet



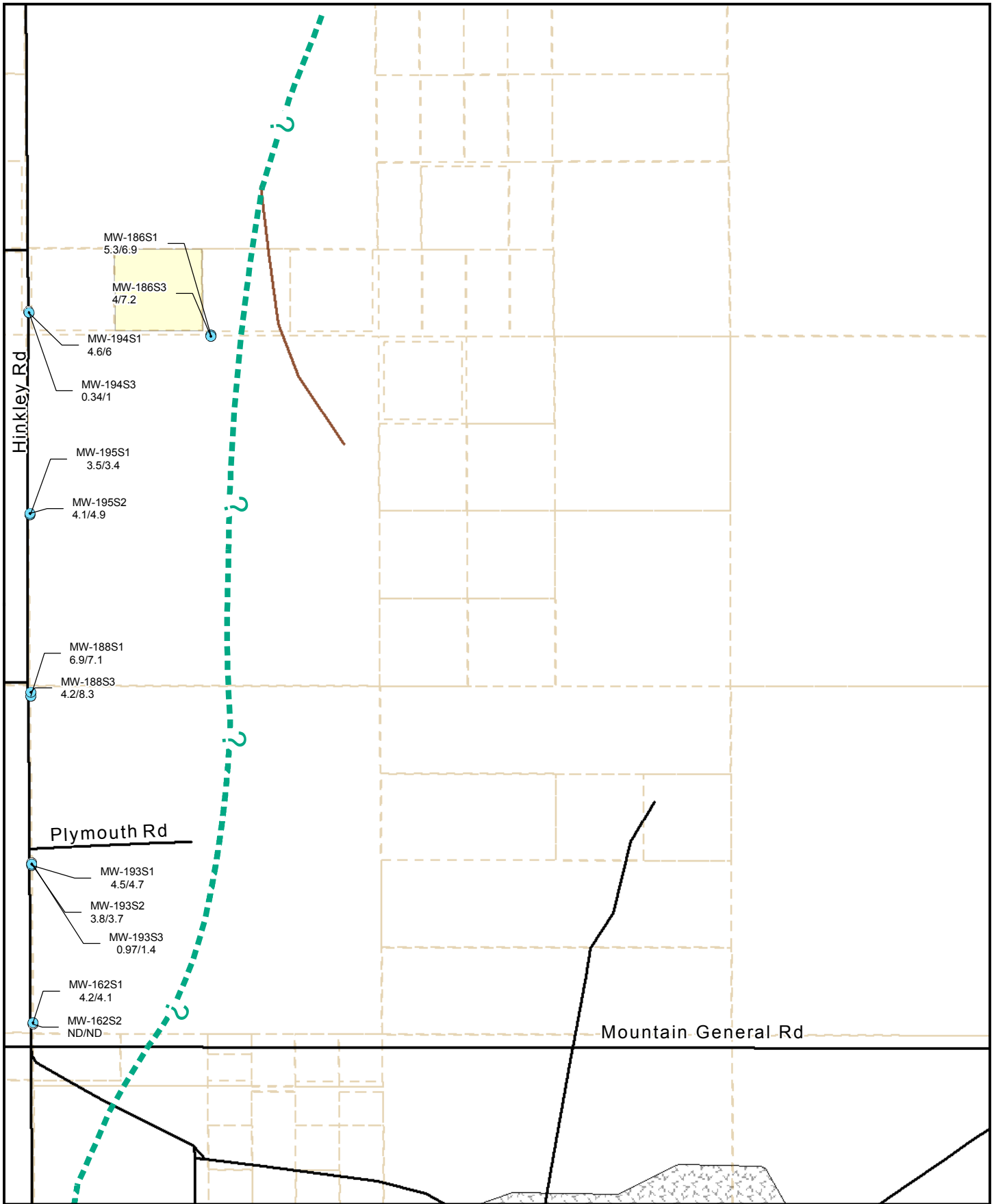
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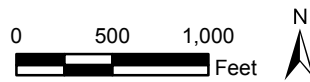
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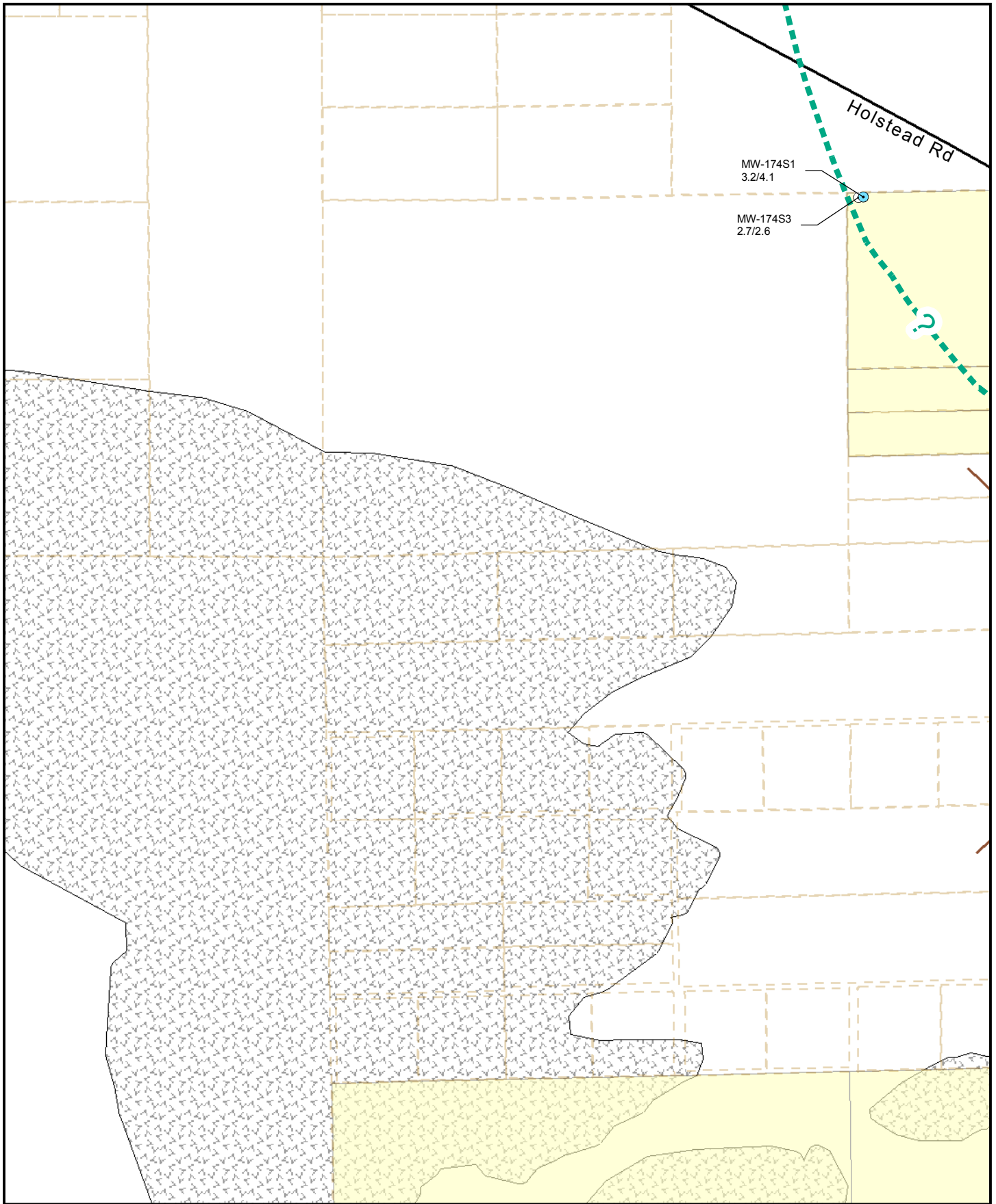
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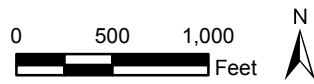
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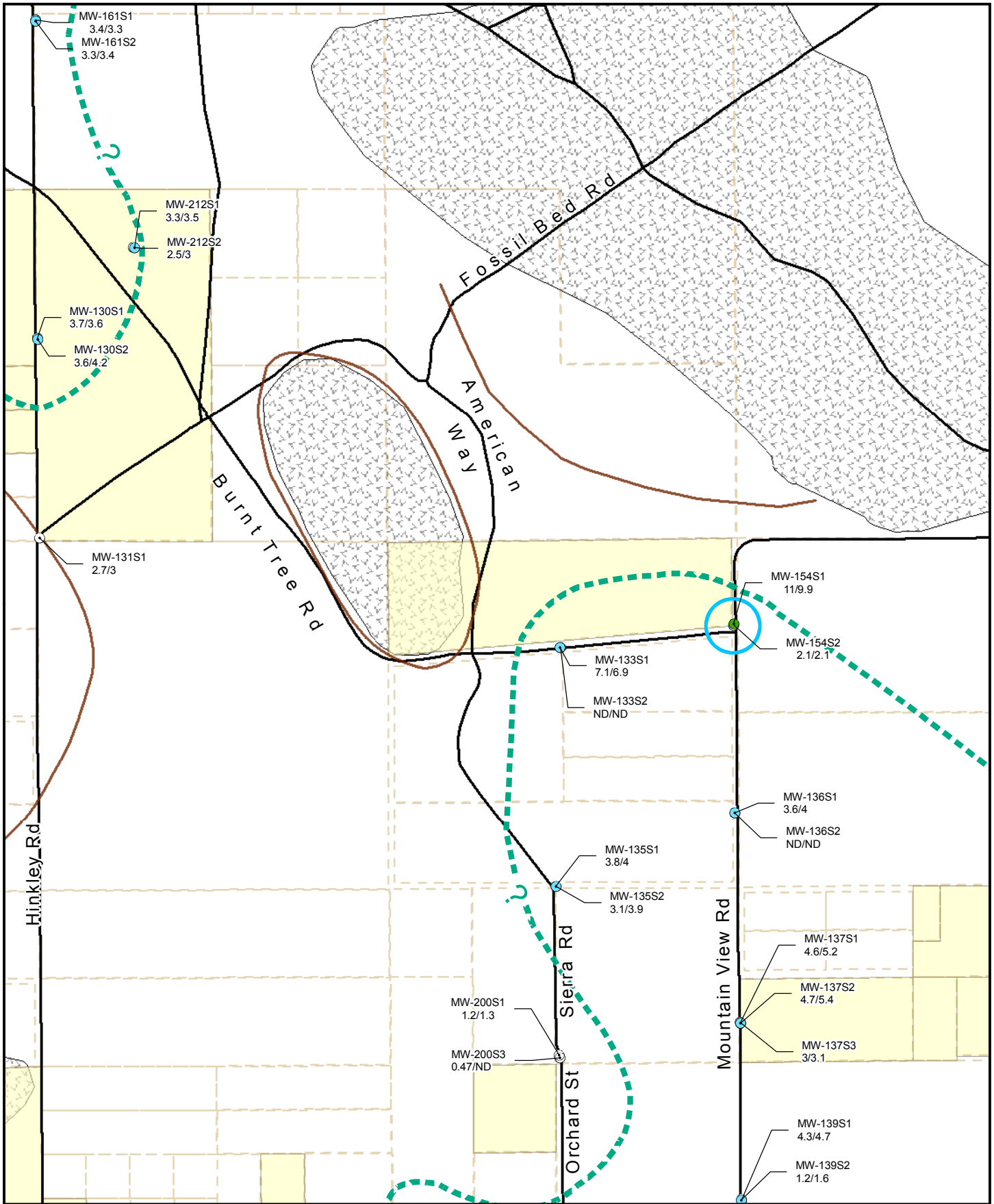
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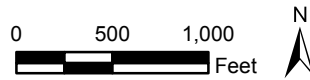
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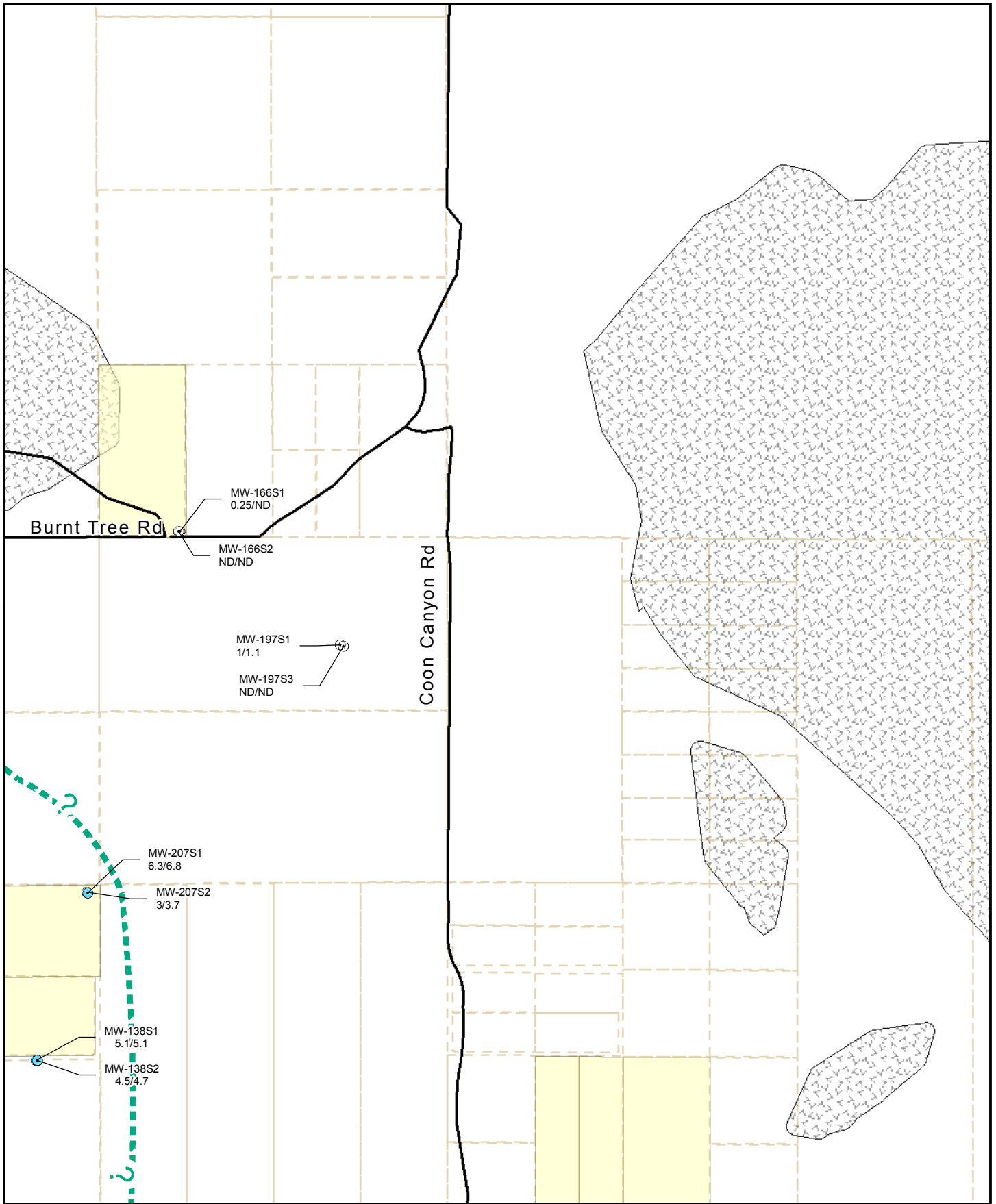
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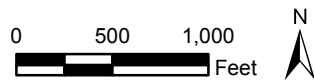
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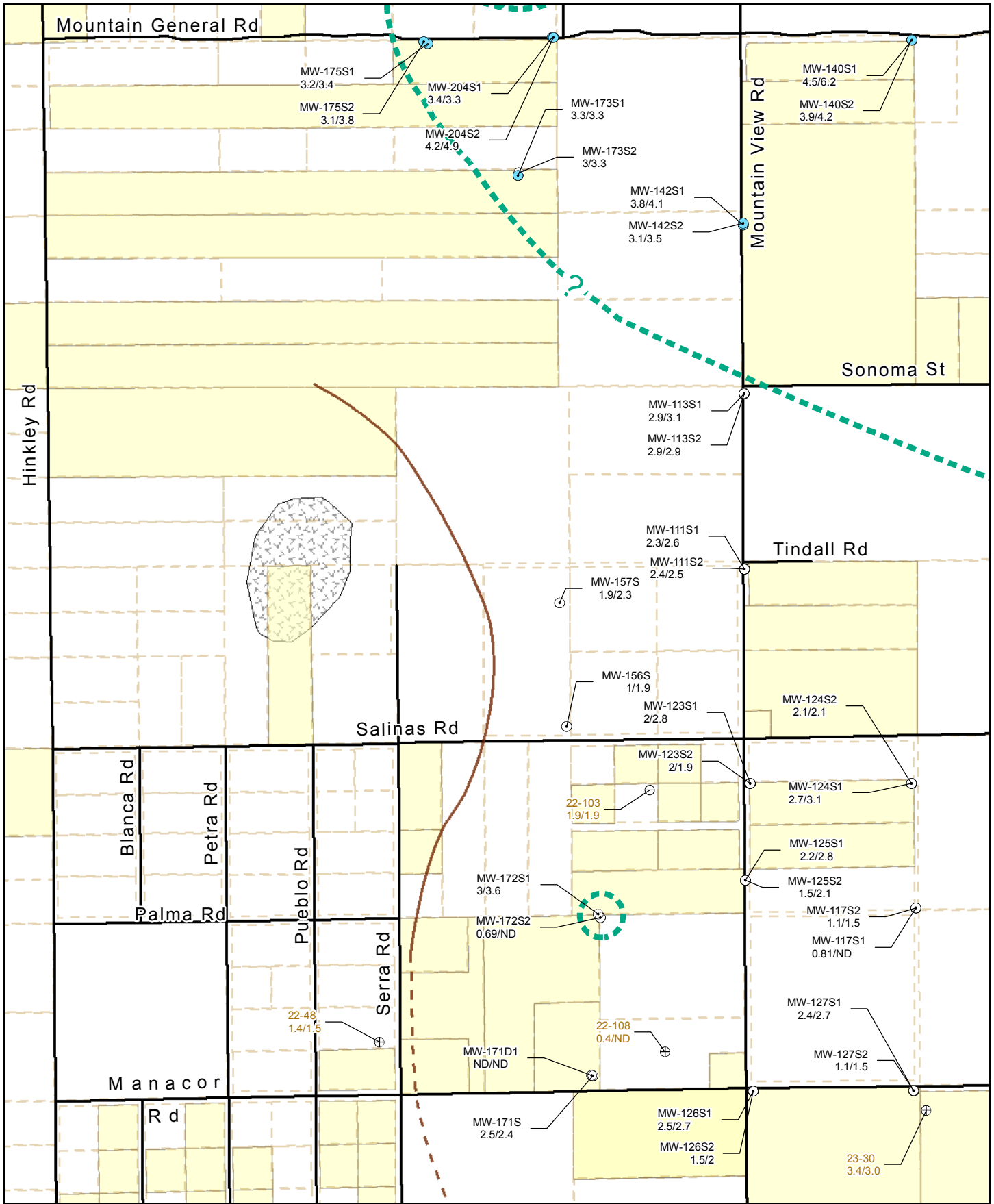
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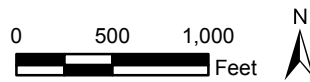
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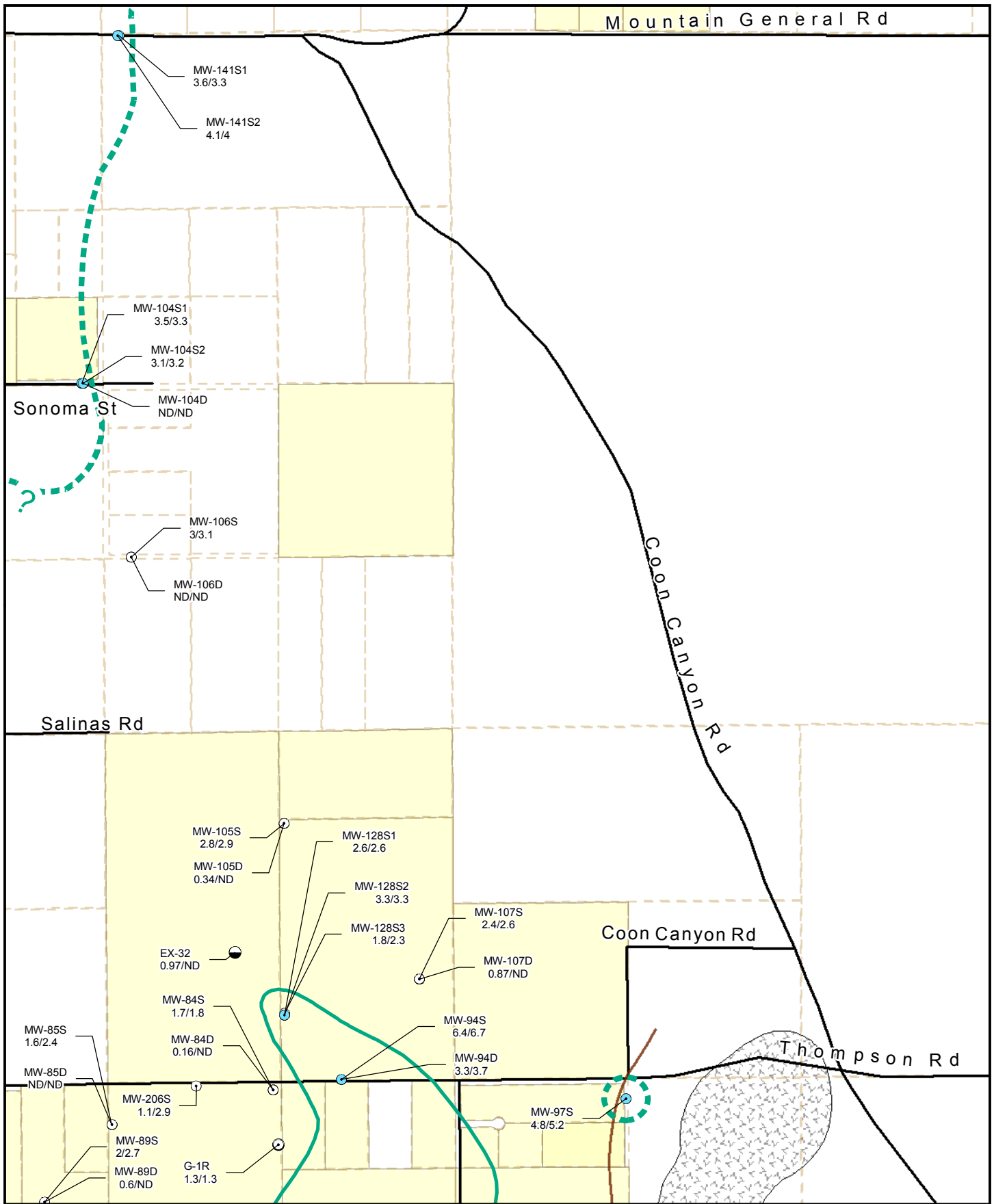
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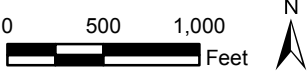
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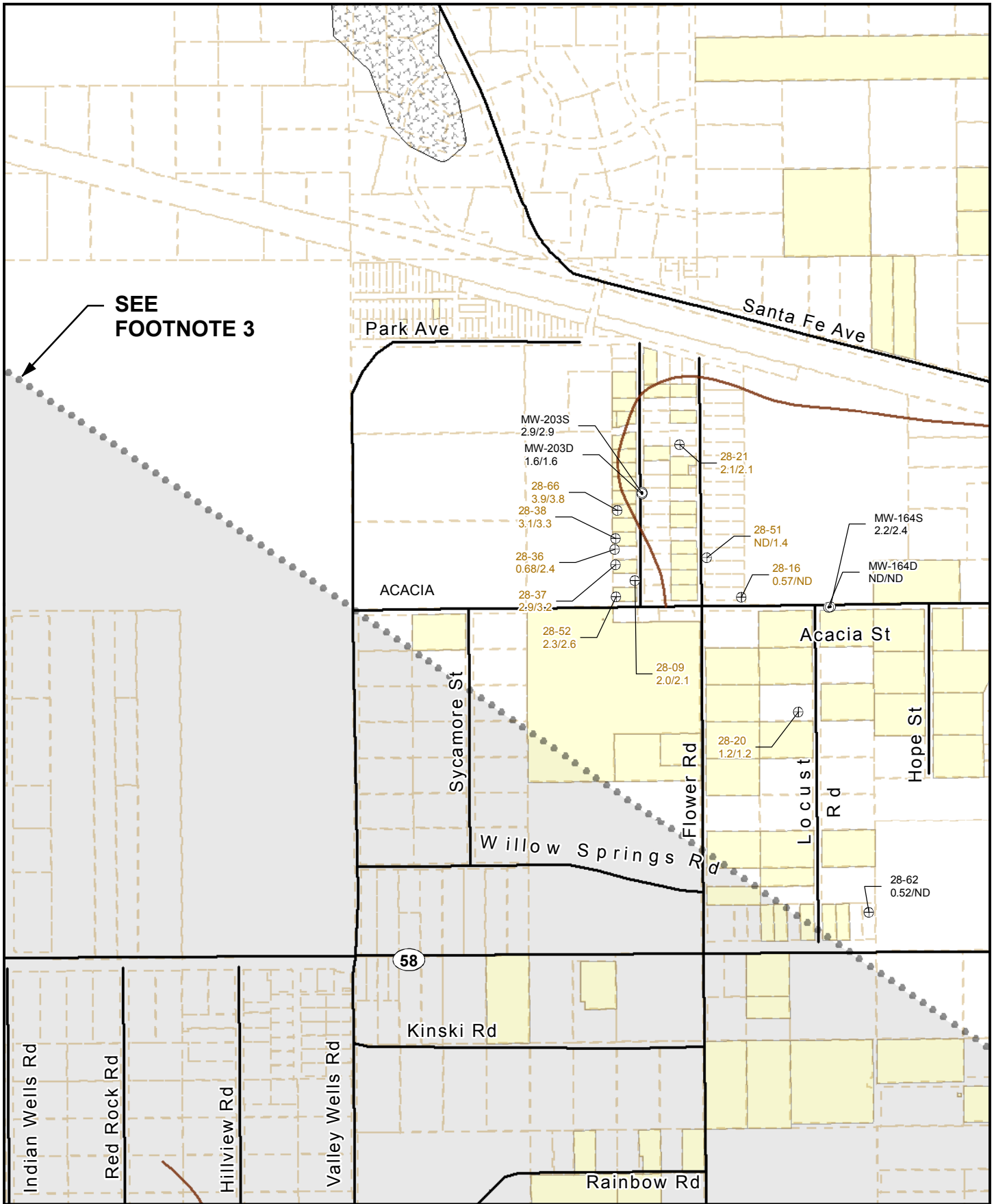
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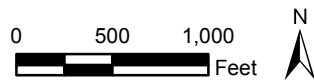
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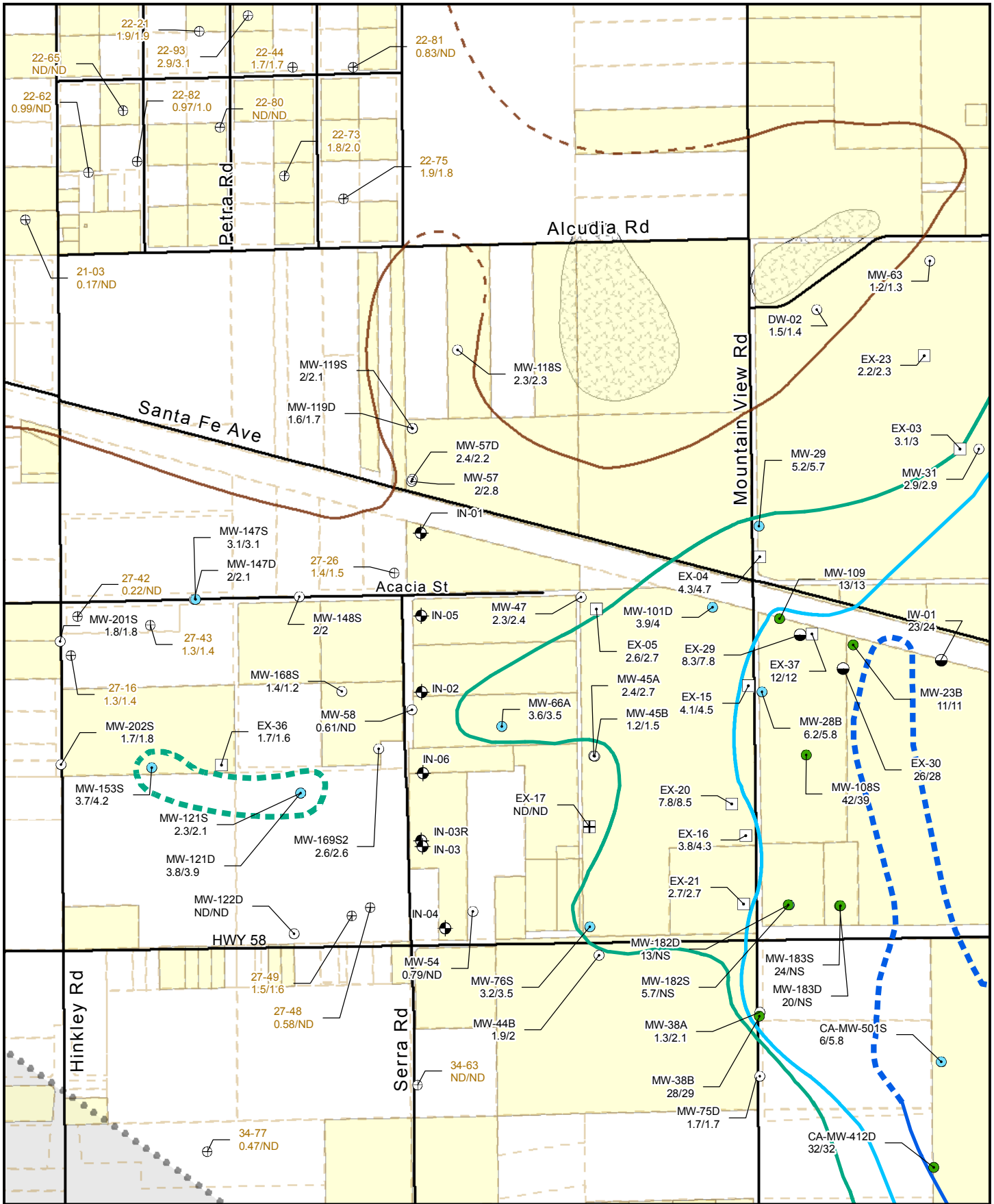
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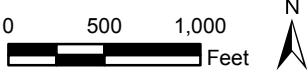
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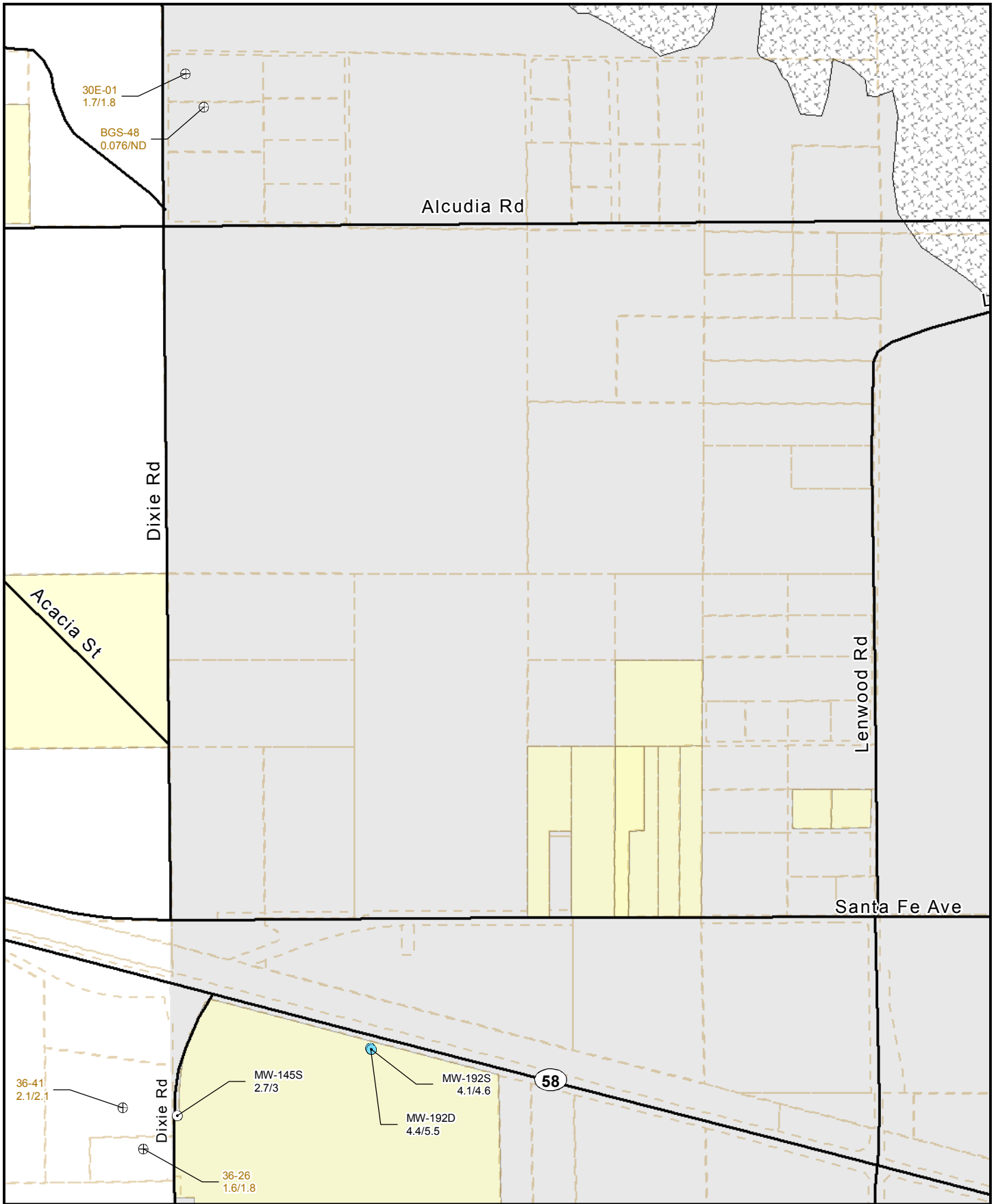
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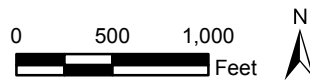
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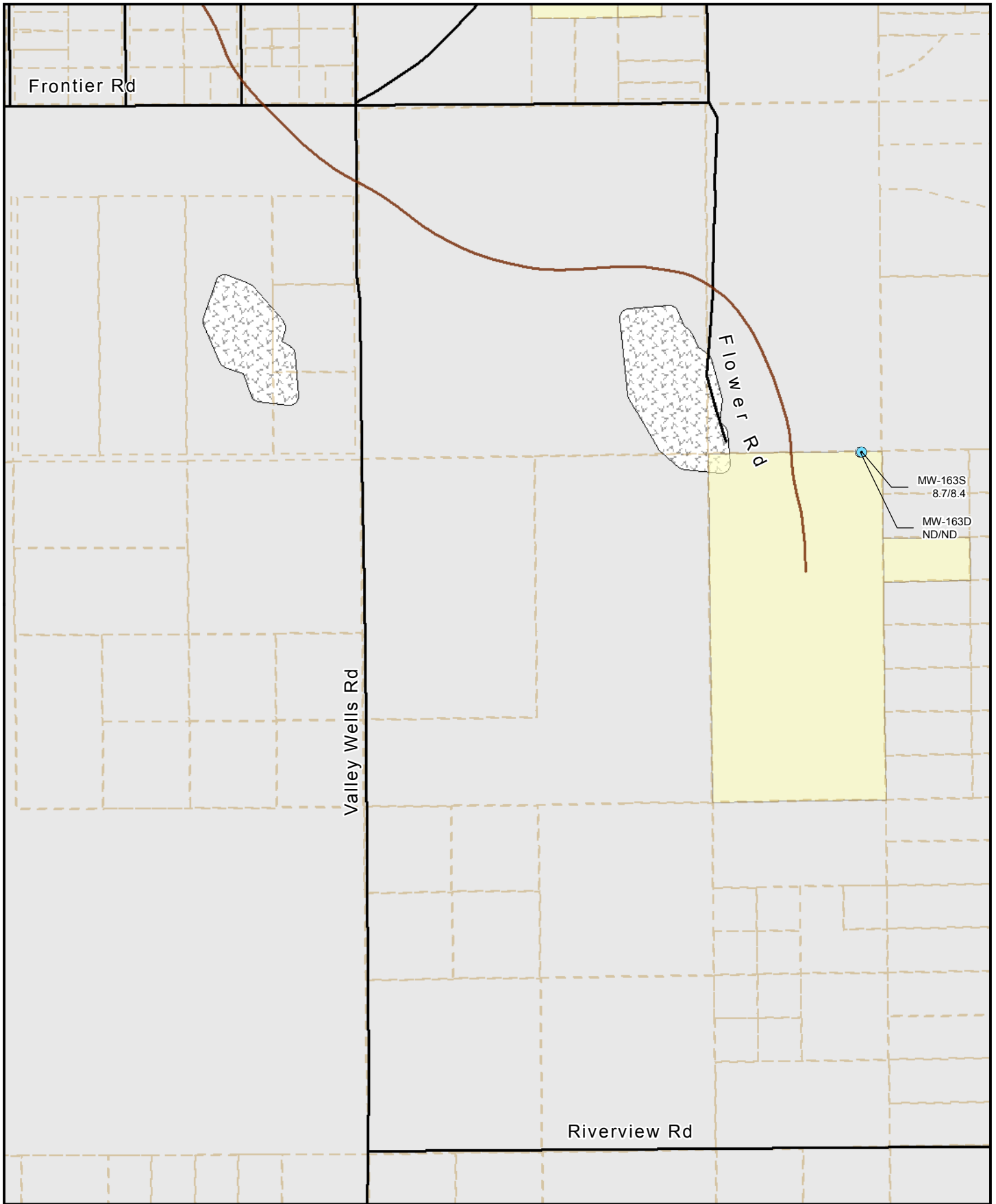
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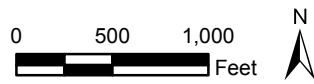
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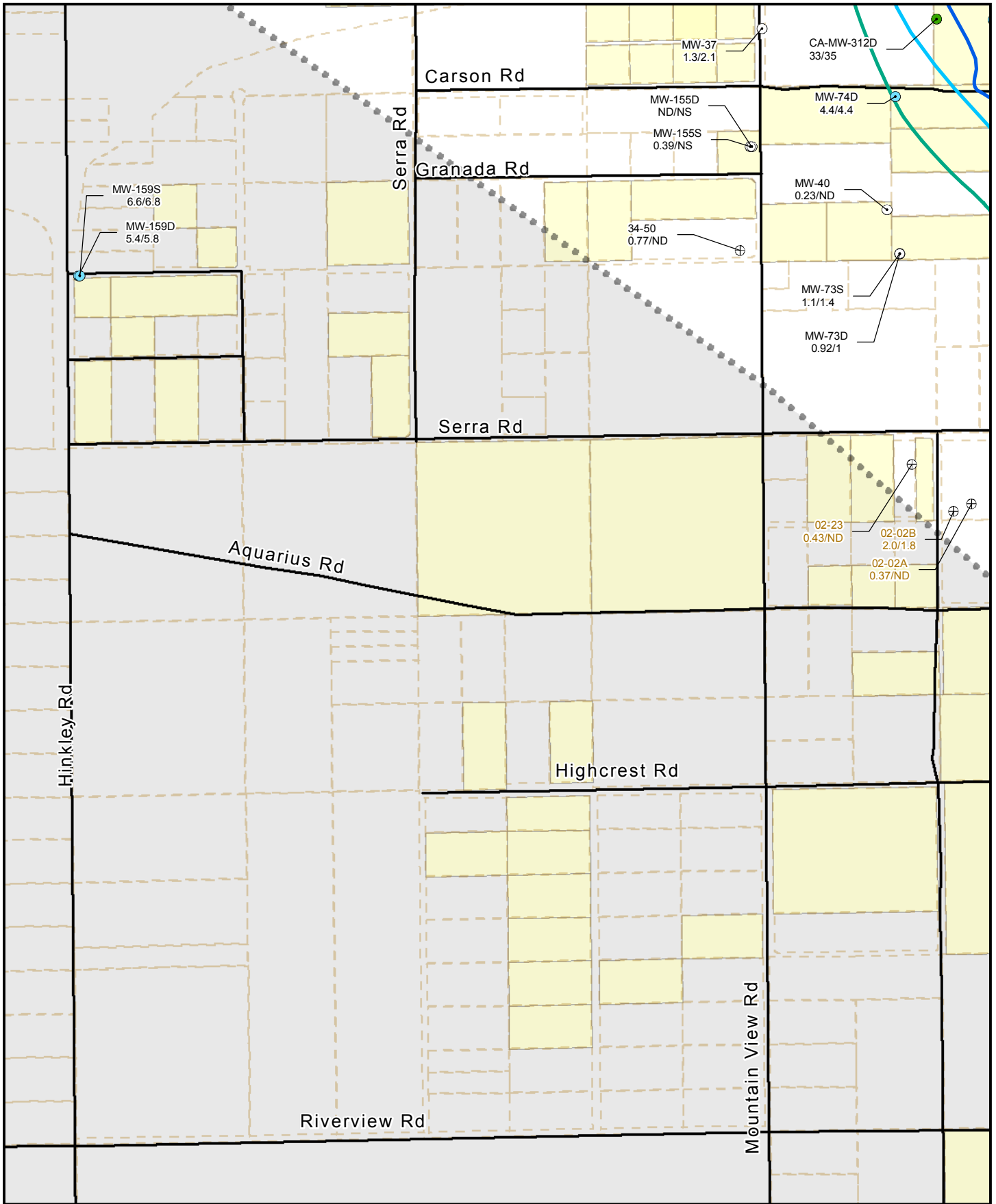
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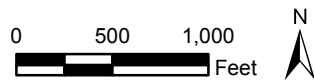
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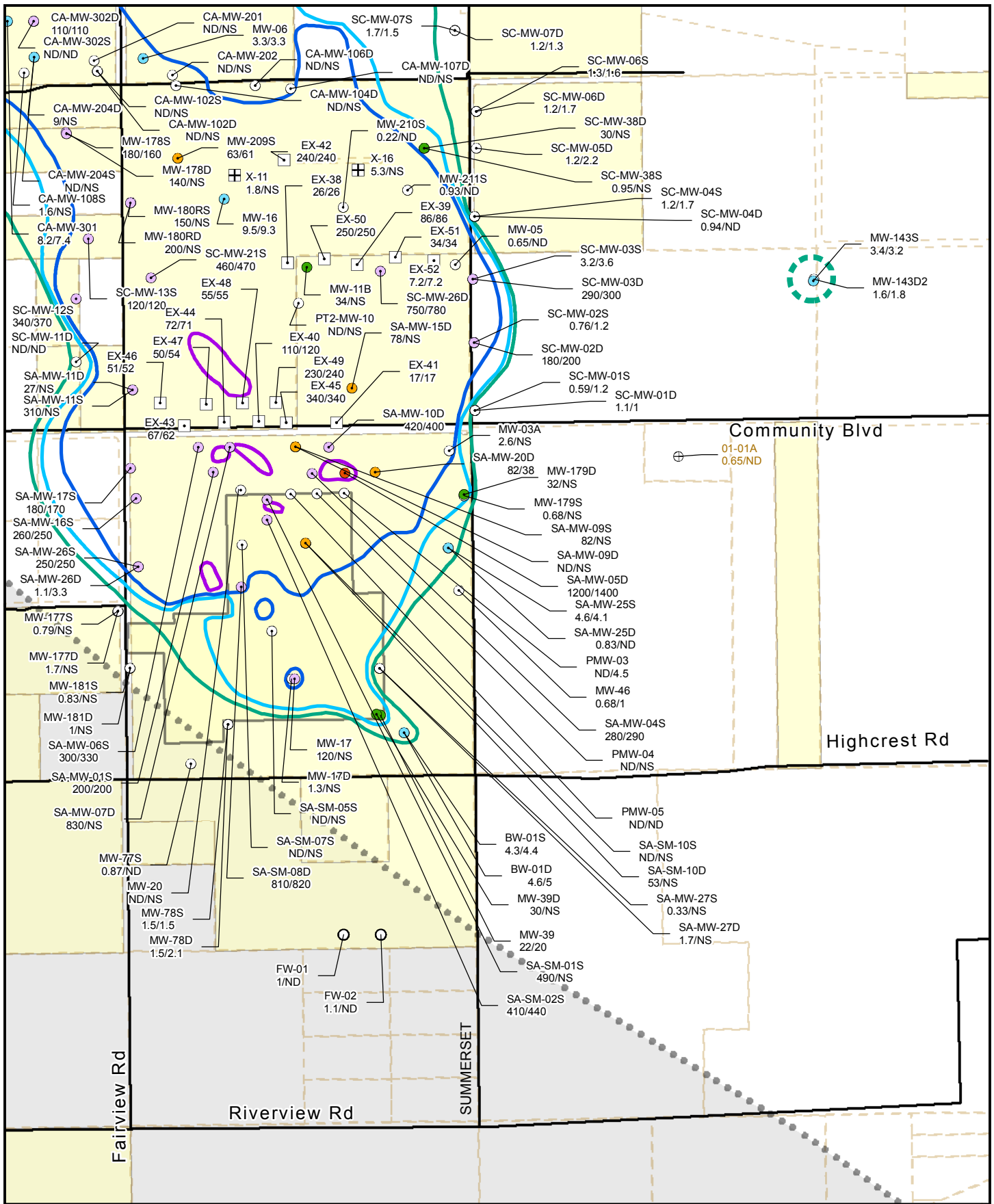
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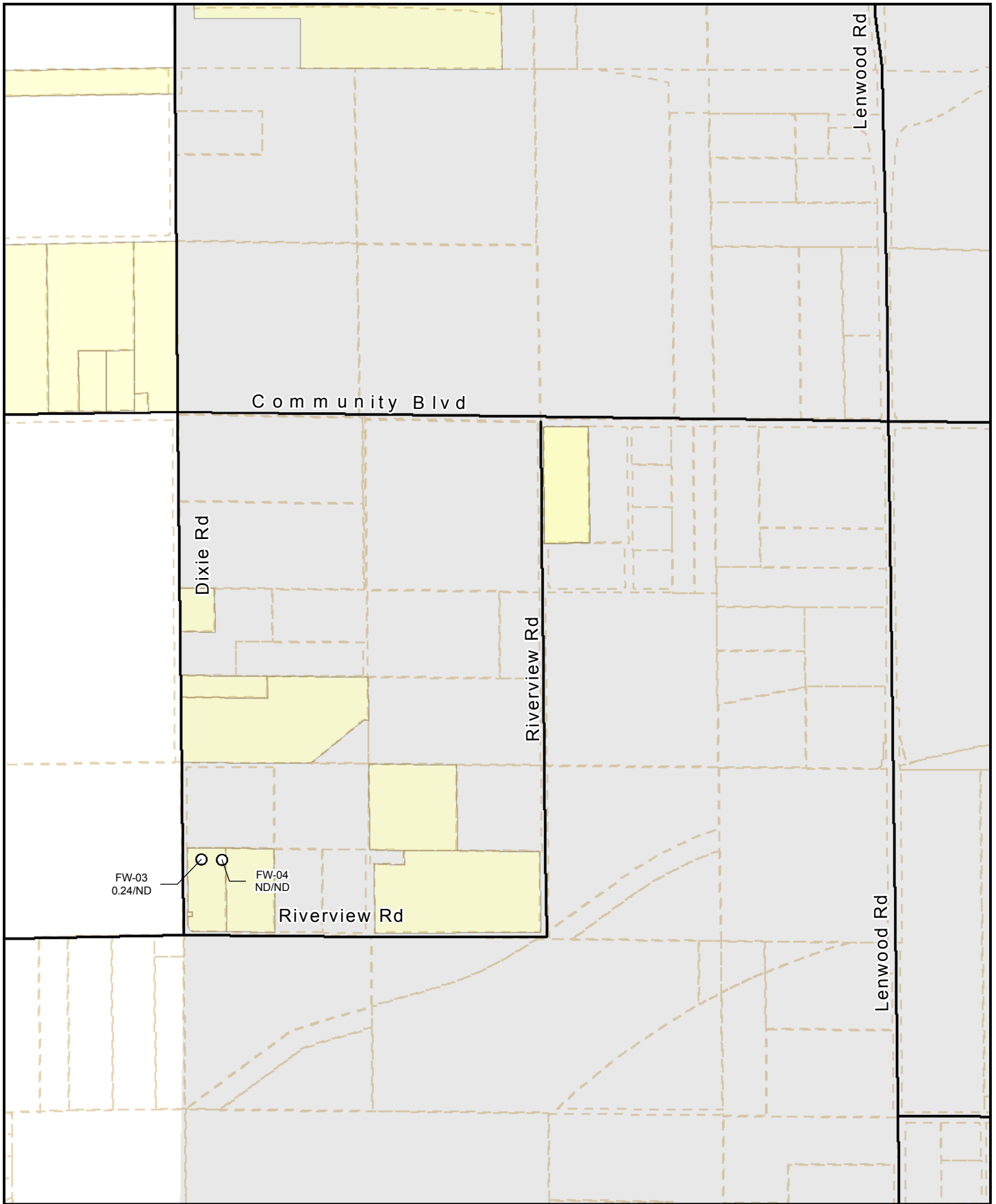


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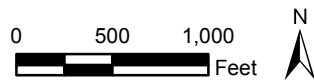


MAP 14





**See Legend Figure for
Feature Descriptions**



MAP 16