

MAG 208 Water Quality Management Plan Amendment



Liberty Utilities Palm Valley and Sarival Water Reclamation Facilities Service Area Expansion 2014



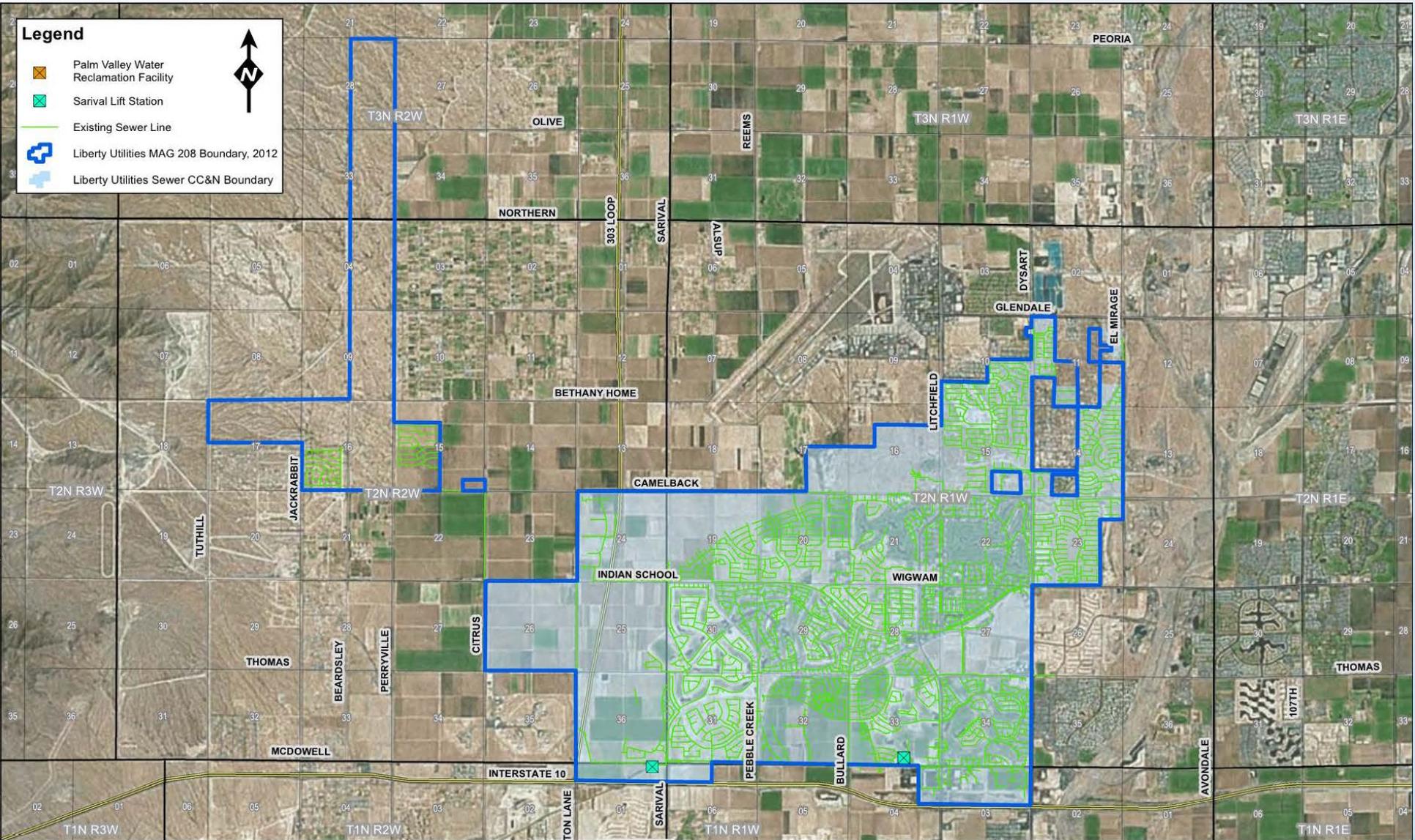
Amendment Sponsors:

- City of Glendale
(The 208 Amendment is located entirely within the City of Glendale planning boundary)
- Maricopa County

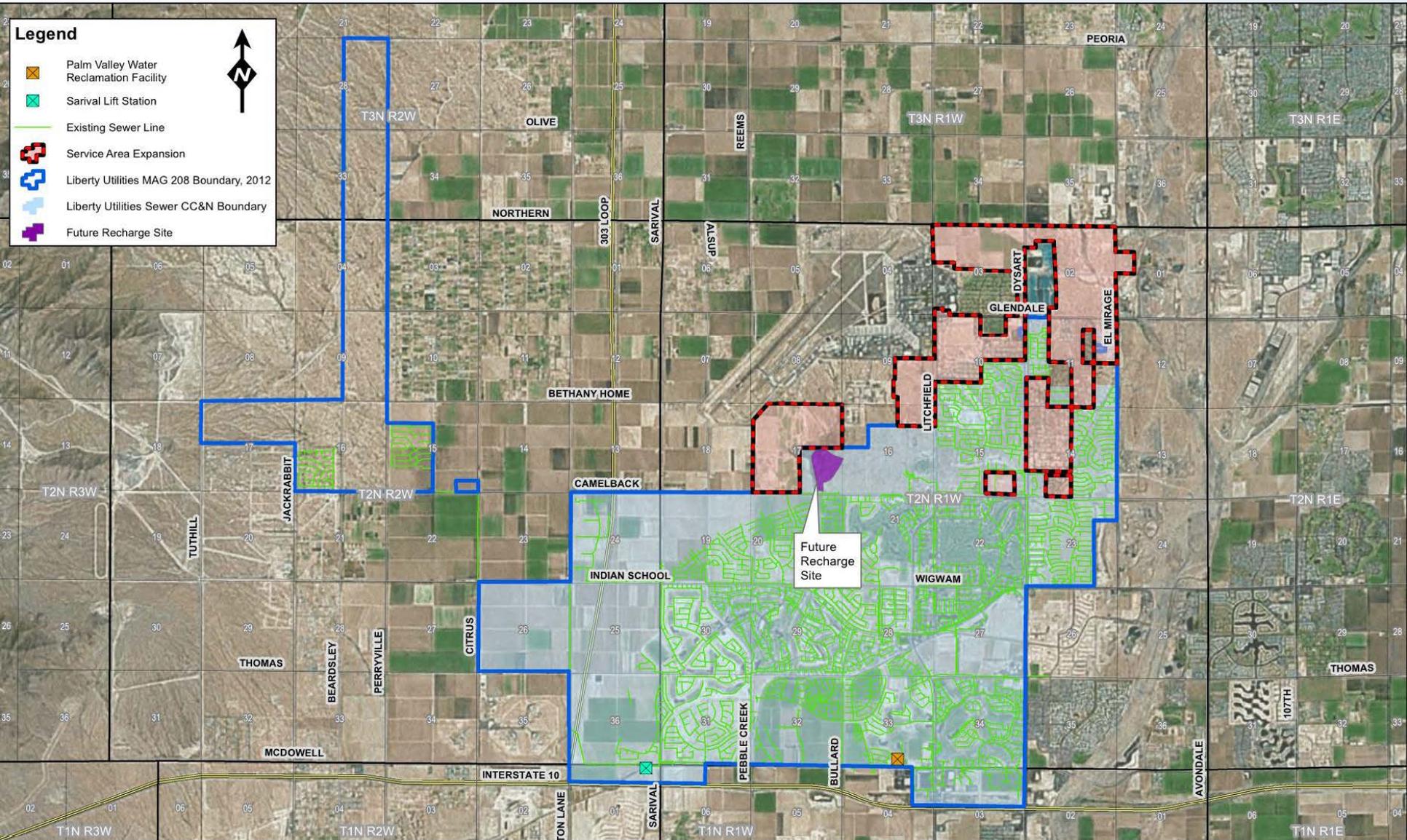
Amendment Purpose:

- Developers in the land areas immediately north of the current Liberty Utilities service area boundary have asked Liberty Utilities to serve their developments.
- Provide a way for lands currently served by septic systems to be connected to wastewater collection systems in the future.

Current Service Area - Liberty Utilities

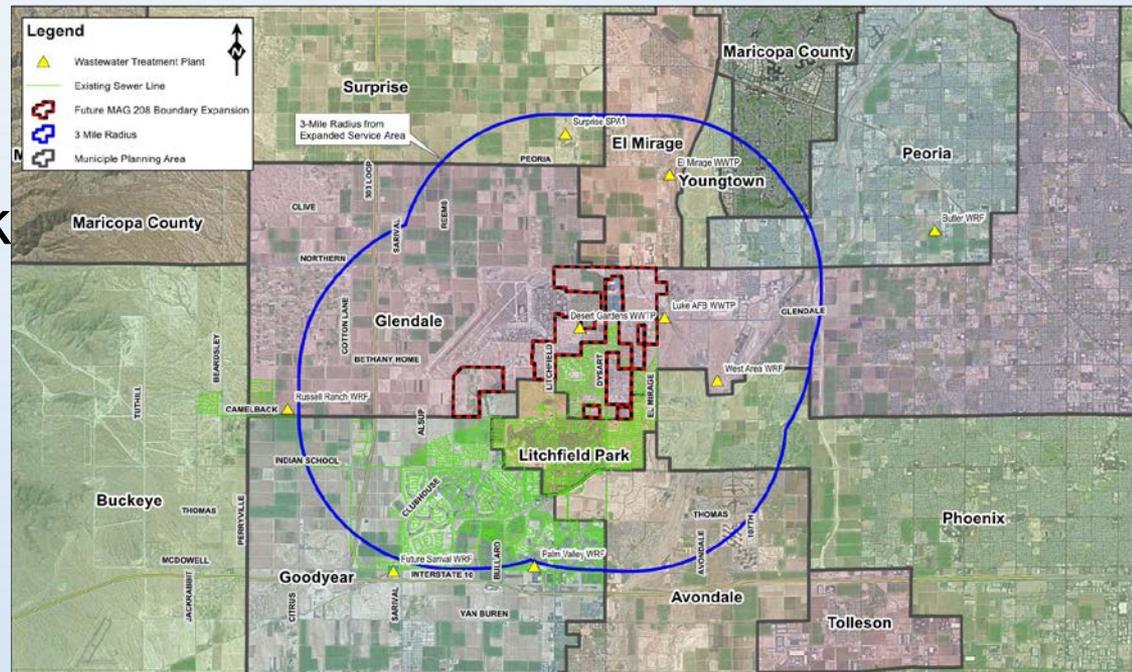


Service Area Expansion – Liberty Utilities



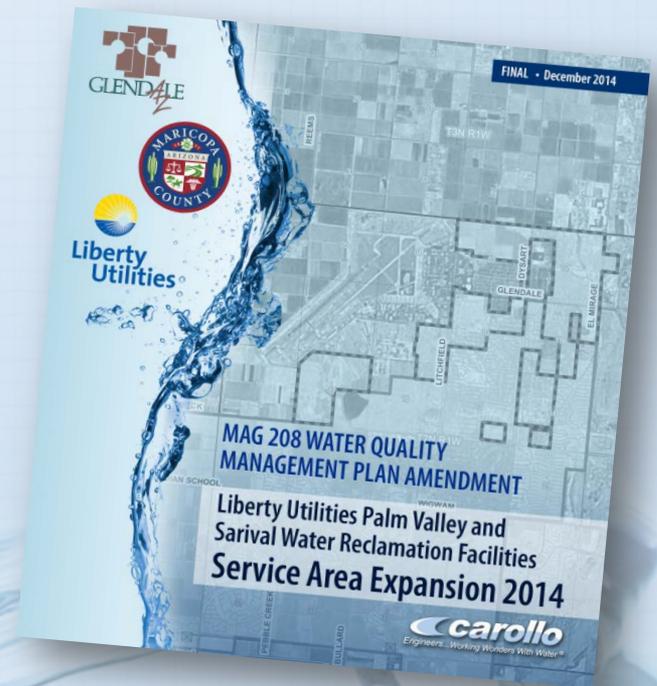
Letters of No Objection:

- City of Avondale
- City of El Mirage
- City of Goodyear
- City of Litchfield Park
- City of Peoria
- City of Phoenix
- City of Surprise
- Town of Youngtown
- Luke Air Force Base

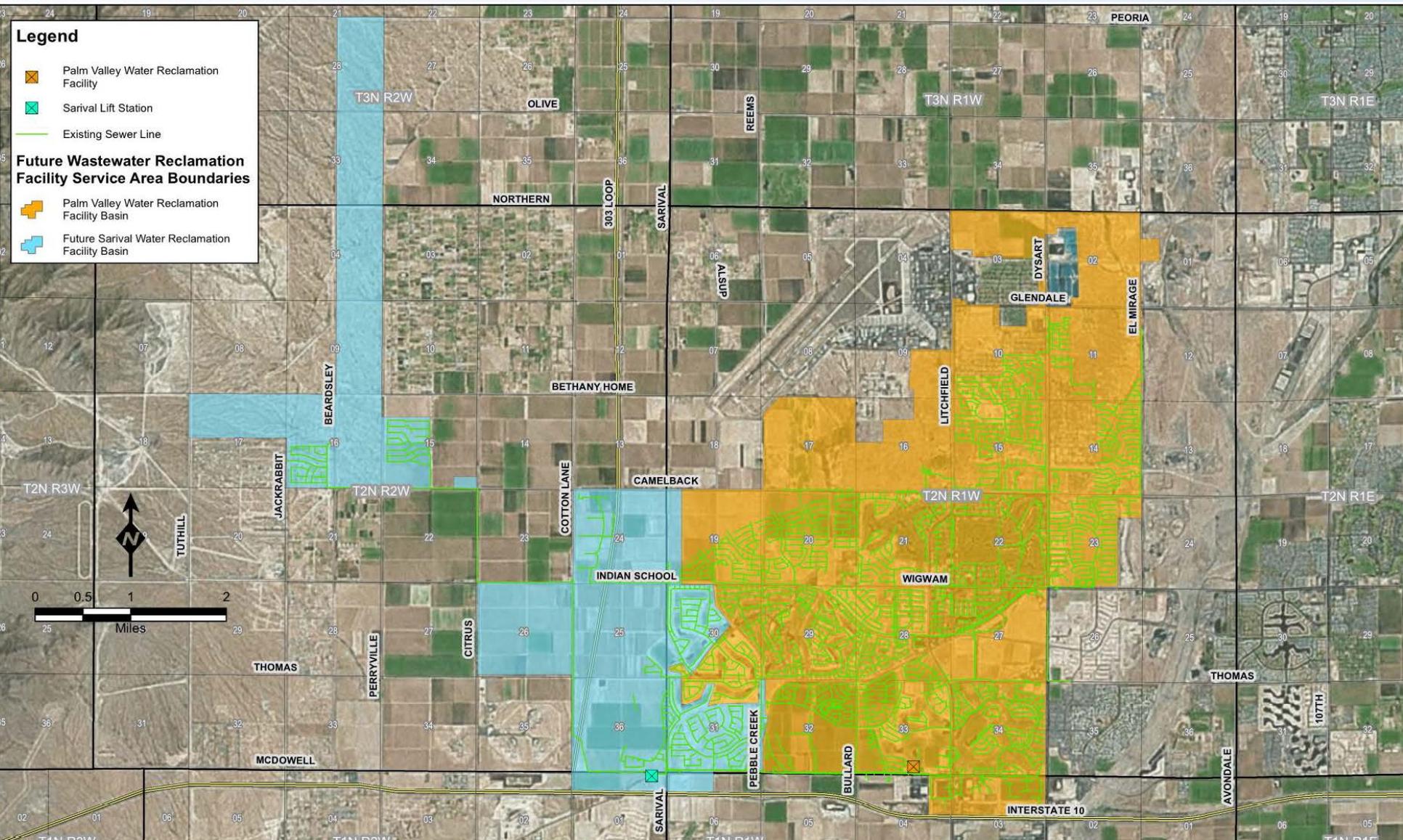


Section 208 Clean Water Act Checklist has been completed.

See Appendix D



Service Areas of the Palm Valley and Sarival Water Reclamation Plants



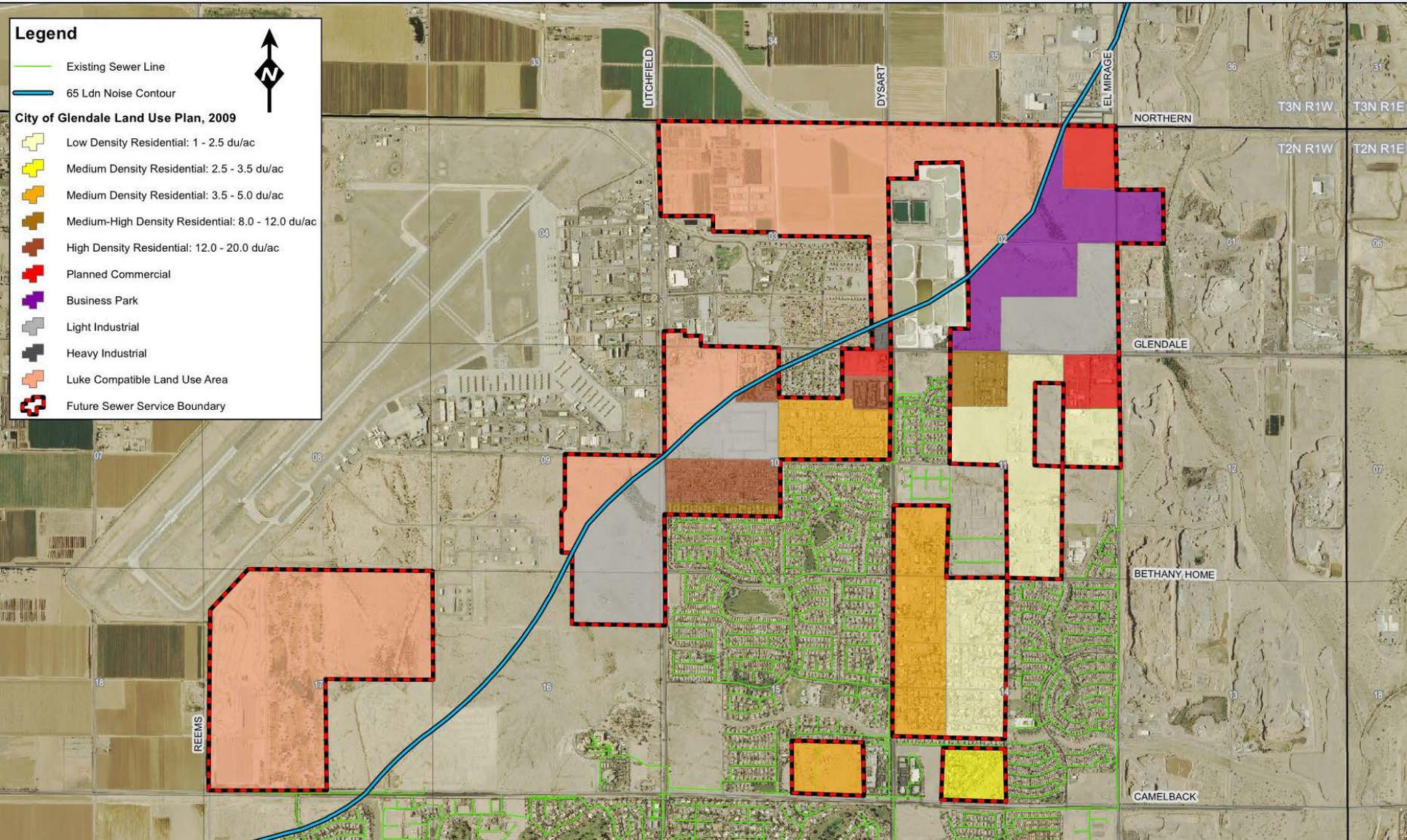
This Amendment Does Not Require Any Change in the Previously Approved Capacity of the Palm Valley and Sarival Water Reclamation Plants

WWTP Reserve Capacity

MAG 208 Amendment Year	Total Approved Capacity, MGD	Approved Amendment Load, MGD	Total Wastewater Load, MGD	Reserve Capacity, MGD	% Reserve Capacity
2002	16.4	-	10.17	6.23	38%
2006	16.4	3.00	13.17	3.23	20%
2012	16.4	0.10	13.27	3.13	19%
2014 (Proposed)	16.4	1.94	15.21	1.19	7%

The approved buildout capacity for the Palm Valley and Sarival Water Reclamation Plants is
8.2 mgd each.

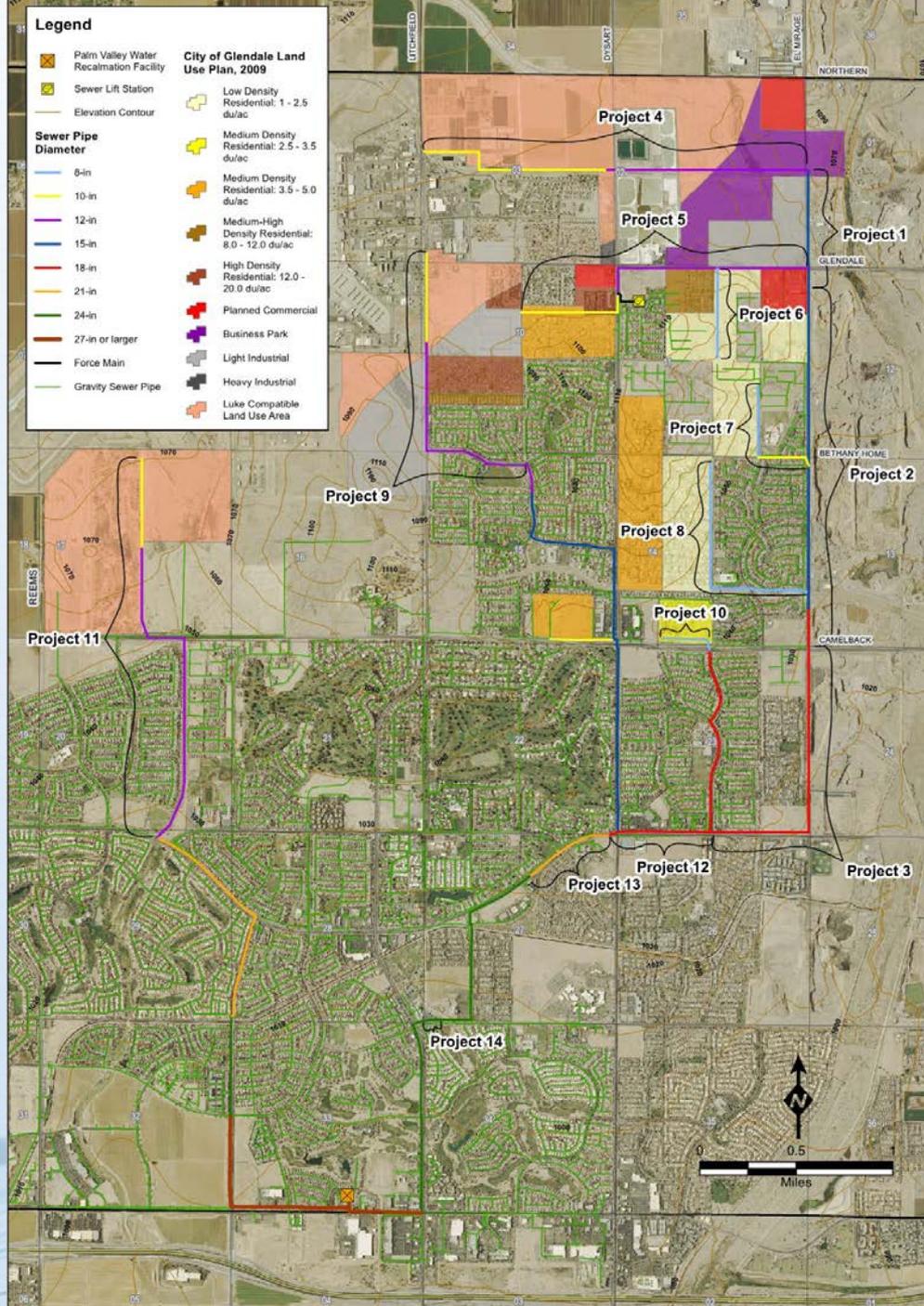
City of Glendale Land Use Classifications for Land Areas in this 208 Amendment



Anticipated Wastewater Flows for Existing and Future Development in the Liberty Service Area

Expansion Area Land Use Type	Area, ac	DU/ac	Population (People/DU = 2.65)	Unit Load, gpcd or gpad	Average Daily Flow, gpd	Average Daily Flow, MGD	Peak Hour Flow, MGD
Low Density Residential: 1 - 2.5 du/ac	323	1.5	685	100	68,530	0.07	0.21
Medium Density Residential: 2.5 - 3.5 du/ac	41	3	311	100	31,095	0.03	0.09
Medium Density Residential: 3.5 - 5.0 du/ac	279	4	1,509	100	150,921	0.15	0.45
Medium-High Density Residential: 8.0 - 12.0 du/ac	59	10	1,225	100	122,482	0.12	0.37
High Density Residential: 12.0 - 20.0 du/ac	90	16	3,744	100	374,365	0.37	1.12
Planned Commercial	95	-	-	500	47,557	0.05	0.14
Business Park	192	-	-	800	153,877	0.15	0.46
Light Industrial	320	-	-	800	255,746	0.26	0.77
Heavy Industrial	6	-	-	800	4,938	0.00	0.01
Luke Compatible Land Use Area	1,076	-	-	700	752,883	0.75	2.26
Total	2,480		7,474		1,962,395	1.96	5.89

Capital Improvement Projects to Provide Wastewater Flow to the Service Area Expansion.



Conditions:

- The land areas included in the proposed amendment are outside of the Luke AFB flight path and will not pose any risk to Luke Air Force Base flight operations
- Officials at Luke AFB request the opportunity to review development plans to ensure that there is no negative impact to Luke AFB. Liberty Utilities will comply with this request.
- The Desert Gardens apartment complex has the option to connect to the Liberty Utilities collection system upon payment of connection fees.
- The expansion will not affect any existing facilities and certificated areas.

Questions?

