United States Department of Agriculture
Rural Development
Nevada State Office

July 14, 2010

Clearinghouse Coordinator
Department of Administration
Budget Division - State Clearinghouse
209 E. Musser, Room 200
Carson City, NV 89701

Subject: Big Bend Water District system improvements

Dear Coordinator:

Pursuant to the Memorandum of Understanding (MOU) between our agencies, this is to notify you that the USDA - Rural Development anticipates receiving a request for financial assistance from the Las Vegas Valley Water District on behalf of the Big Bend Water District serving the community of Laughlin in Clark County, Nevada. The proposed system improvements consist of the following:

1. Painting interior of 1000 Zone Storage Tank and repainting the exterior of 780 Zone Storage Tank
2. Service Line Replacements throughout the community of Laughlin
3. Reconfiguration of Inlet/Outlet piping at 780 Zone and 1000 Zone Storage Tanks
4. Supervisory Control and Data Acquisition (SCADA) conversion at the water district treatment plant
5. Electrical upgrades at the Bruce Woodbury 1000 Pressure Zone Pumping Station
6. Pressure Reducing Valve (PRV) bypasses for Zone to Zone transfer
   a. 780 to 750 Pressure Zone bypass at Casino Drive 780 Zone Pumping Station
   b. 1000 to 750 Pressure Zone bypass at Bruce Woodbury Pumping Station
   c. 1000 to 780 Pressure Zone bypass at 780 Tank
7. Meter Replacements and Automated Meter Reader System Enhancements
8. Add Filter Flow Meters at the Water District Treatment Plant
9. Repair of Residue Drying Beds at the Water District Treatment Plant

All improvements will take place on district owned land or in existing easements or rights-of-way.

Attached are maps and photos showing the locations of the proposed system improvements.

Unless the Clearinghouse Coordinator advises us otherwise, within 30 days of this notice, we

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will assume that the final Clearinghouse comments will not be forthcoming and, therefore, the State Clearinghouse responsibilities of USDA - Rural Development will have been satisfied.

If you have questions or need additional information, please contact me at 775-887-1222, ext.113 or by email at cheryl.couch@nv.usda.gov.

Sincerely,

Cheryl Couch

Cheryl Couch
Community Programs Specialist

Attachments

BIG BEND WATER DISTRICT PROPOSED PROJECTS

US DEPARTMENT OF AGRICULTURE RURAL DEVELOPMENT FUNDING

Project Name	Location/ (Land Owner)	Project Description	Cultural Findings (NVCRIS)
Bruce Woodbury 1000 Pressure Pumping Station (BWPS) Electrical Upgrades	Township 32S, Range 66E, Section 14/(BLM)	Installation of electrical upgrades to the existing BWPS, including underground power line segment and a new motor control center. The electrical line will be approximately 450 long and located along existing Bruce Woodbury Drive; the motor control center will be located within the existing BWPS site.	No previously identified cultural resources.
Add Filter Flow Meters at the Big Bend Water District (BBWD) Treatment Plant	Township 32S, Range 66E, Section 12/(Private)	Installation of filter flow meters at the treatment plant. Work will occur within the filter gallery area of the treatment plant, and excavation is not likely to be required.	Site No. 26CK3703, a semi-circular rock alignment with an associated lithic scatter. This site is west of the project area on what is now a paved (asphalt) road. This site was previously evaluated as not eligible to the National Register of Historic Places (NRHP).
SCADA Conversion at the Big Bend Water District Treatment Plant	Township 32S, Range 66E, Section 12/(Private)	Hardware and software upgrades to the BBWD SCADA System. Work will occur at the existing BBWD treatment plant site, and no excavation would be required.	Site No. 26CK3703, a semi-circular rock alignment with an associated lithic scatter. This site is west of the project area on what is now a paved (asphalt) road. This site was previously evaluated as not eligible to the NRHP.
Repair of Residue Drying Beds at the Big Bend Water District Treatment Plant	Township 32S, Range 66E, Section 12/(Private)	Replacement of pond linings for the two residue drying beds at the BBWD treatment plant. The previous pond lining has deteriorated and no longer existing. Work will include minor surface preparation followed by installation of liner for one pond at a time. All activity is within the existing fenced site.	Site No. 26CK3703, a semi-circular rock alignment with an associated lithic scatter. This site is west of the project area on what is now a paved (asphalt) road. This site was previously evaluated as not eligible to the NRHP.
Tank Repairs	Township 32S, Range 66E, Sections 21 and 28/(Private) Township 32S, Range 66E, Section 21/(Private)	Repainting the 780 Zone Storage Tank exterior and repairing the interior coating at the 1000 Zone Storage Tank. Work will occur at the existing storage tank sites, and no excavation or ground disturbance would be required.	No previously identified cultural resources.

Project Name	Location/ (Land Owner)	Project Description	Cultural Findings (NVCRIS)
Pressure Reducing Valve (PRV) Bypasses for Zone to Zone Transfer	Township 32S, Range 66E, Section 27/(Private) Township 32S, Range 66E, Section 14/(Private) Township 32S, Range 66E, Sections 21 and 28/(Private)	Construction of PRVs in the system. Work to be conducted includes installation of a motor operated valve and 10-50 feet of pipeline within the facility sites listed below: a. 780 to 750 Pressure Zone Bypass at Casino Drive 780 Zone Pumping Station b. 1000 to 750 Pressure Zone Bypass at BWPS c. 1000 to 780 Pressure Zone Bypass at 780 Tank	No previously identified cultural resources.
Reconfiguration of Inlet/Outlet Piping at Tanks	Township 32S, Range 66E, Sections 21 and 28/(Private) Township 32S, Range 66E, Section 21/(Private)	Reconfiguring inlet/outlet piping at 780 Zone and 1000 Zone tank sites. Work includes installation of between 40 to 180 feet of pipelines and valves within the existing fenced tank sites.	No previously identified cultural resources.
Service Line Replacements	Township 32S, Range 66E, Sections 21 and 28/(Private)	Replace approximately 400 existing residential service lines due to leaking, as well as install new corporation stops, service saddles and angle-meter stops as required. Work will be conducted within existing paved public streets, in the same location as the existing service lines. The length of each service line is approximately 50 feet long.	Site No. 26CK3649, a scatter of five (5) sherds. This site was east of the northern portion of the residential development. This site was previously evaluated as not eligible to the NRHP.
Meter Replacements and FIREFLY Automated Meter Reader System Enhancements	Township 32S, Range 66E, Sections 12, 13, 16, 21, 24, 27, 28, 33 and 34/ (Private)	Replace approximately 1,800 existing water meters and install FIREFLY Automated Meter Readers at each location. The new meters will be installed in the existing meter boxes. Work will be conducted primarily on private property.	No previously identified cultural resources.

USDA Grant Locations

Legend

Symbology

- Improvement Site
- Meter Replacements
- Service Line Replacements

Labeling

Name of Site
(Proposed Improvement)
(Proposed Improvement #2)

LAS VEGAS VALLEY WATER DISTRICT

PREPARED BY
LVVWD ENGINEERING
PLANNING DIVISION

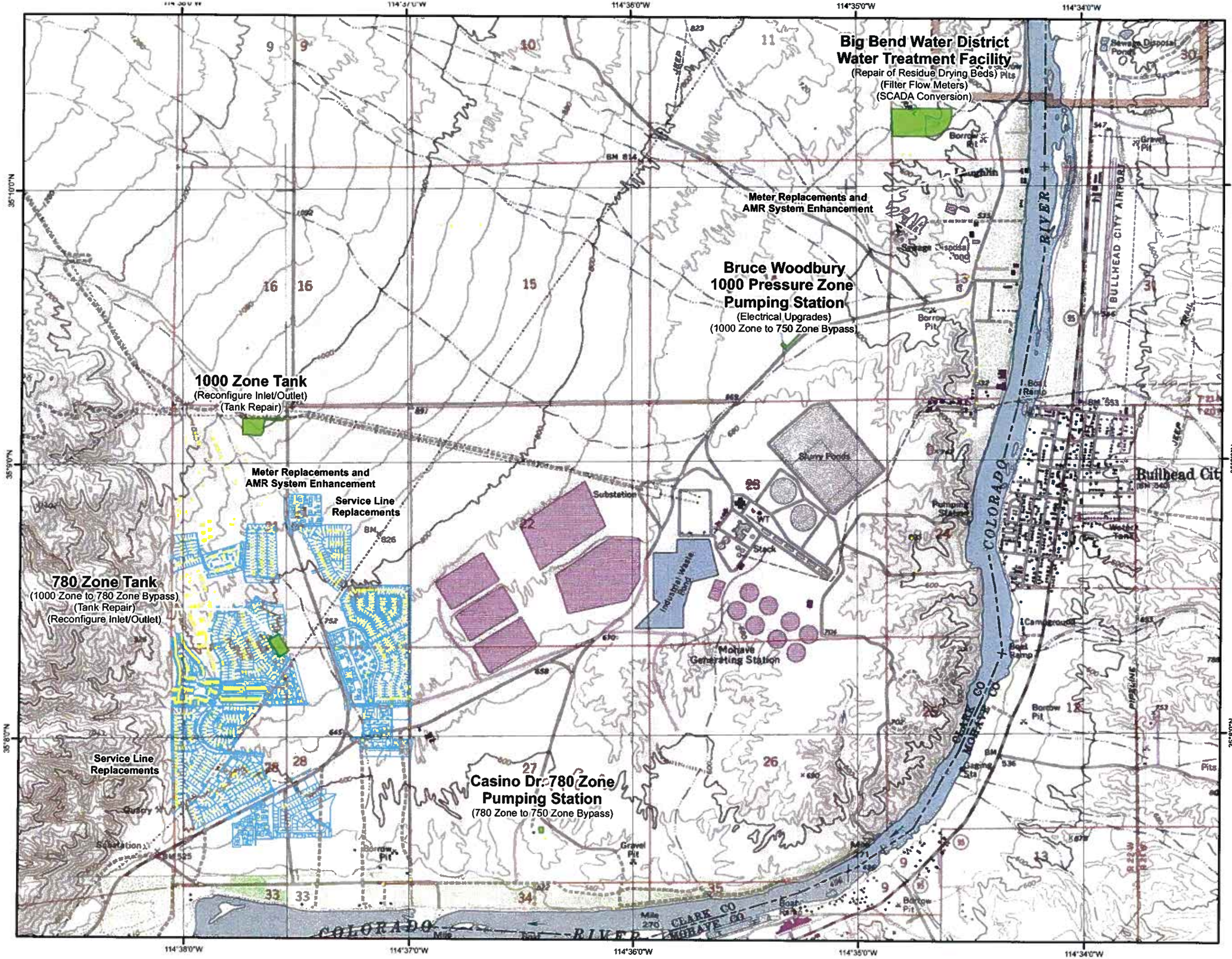
This map was prepared by the AM/FM/GIS Division, at the direction of the Planning Division, for reference purposes only. The Las Vegas Valley Water District assumes no liability for any discrepancies or inaccuracies depicted hereon.

Facilities displayed on this map are not drawn to scale. Map is displayed in the Nevada State Plane, East Zone projection.

Map Created: June 8, 2010

N

Scale 1:24,000
MILES
0 0.5 1



The information depicted on this map represents data collected from various sources by the Southern Nevada Water Authority and is intended for planning purposes only.

Map ID 17396-3220 6/09/2010 RHG

Bruce Woodbury 1000 Pressure Zone Pumping Station (BWPS) Electrical Upgrades

N W E S

200 100 0 200 400 Feet

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Map ID 17398-3220 6/09/2010 RHG

Big Bend Water District Treatment Plant Site

N W E S

0 50 100 200 300 Feet

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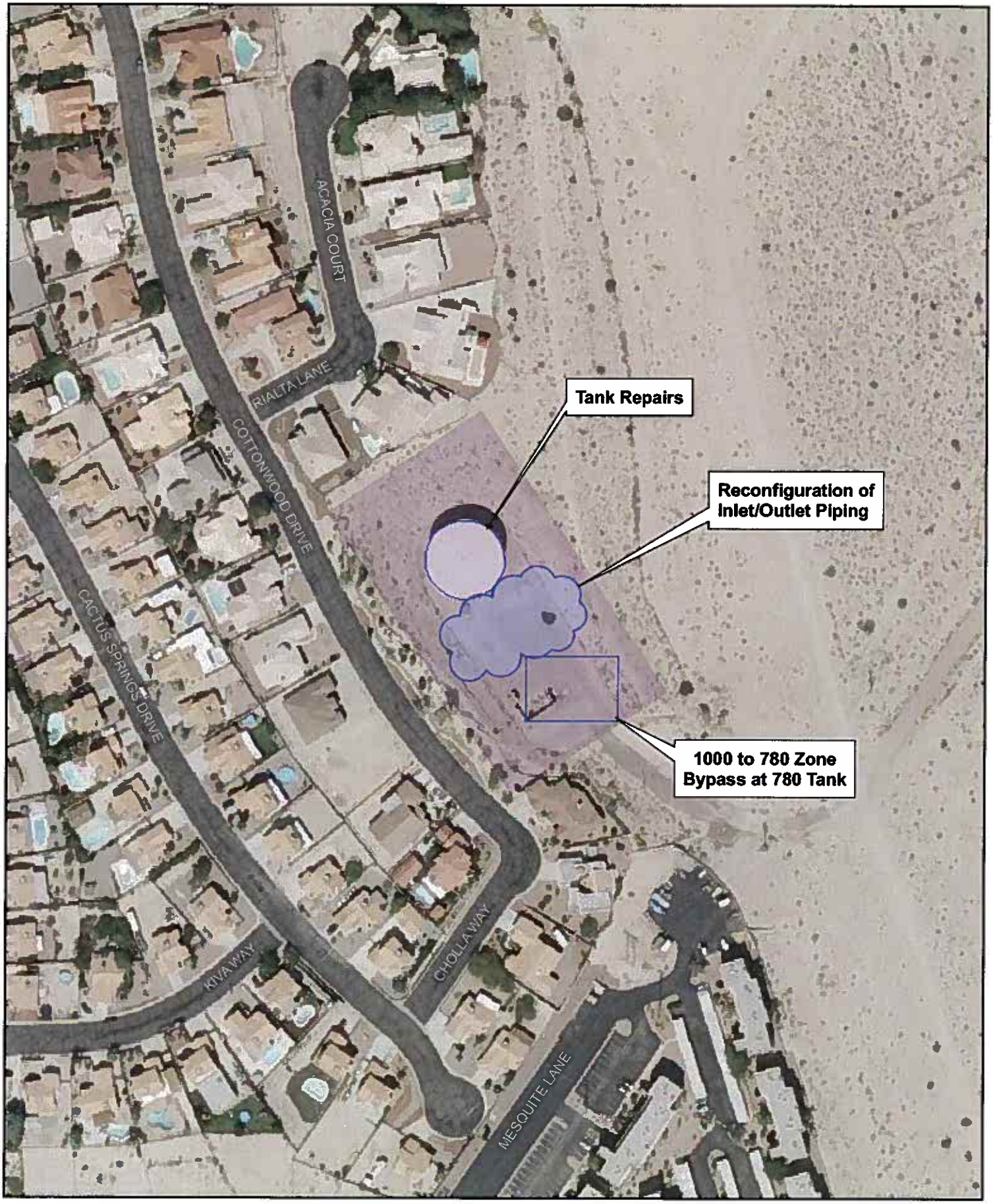
Map ID 17399-3220 6/09/2010 RHG

Casino Drive 780 Pressure Zone Pumping Station Site

N
W E
S

0 25 50 100 150 Feet



The information depicted on this map represents data collected from various sources by the Southern Nevada Water Authority and is intended for planning purposes only.

Map ID 17395-3220 6/09/2010 RHG

780 Zone Storage Tank Site

N W E S

0 25 50 100 150 Feet

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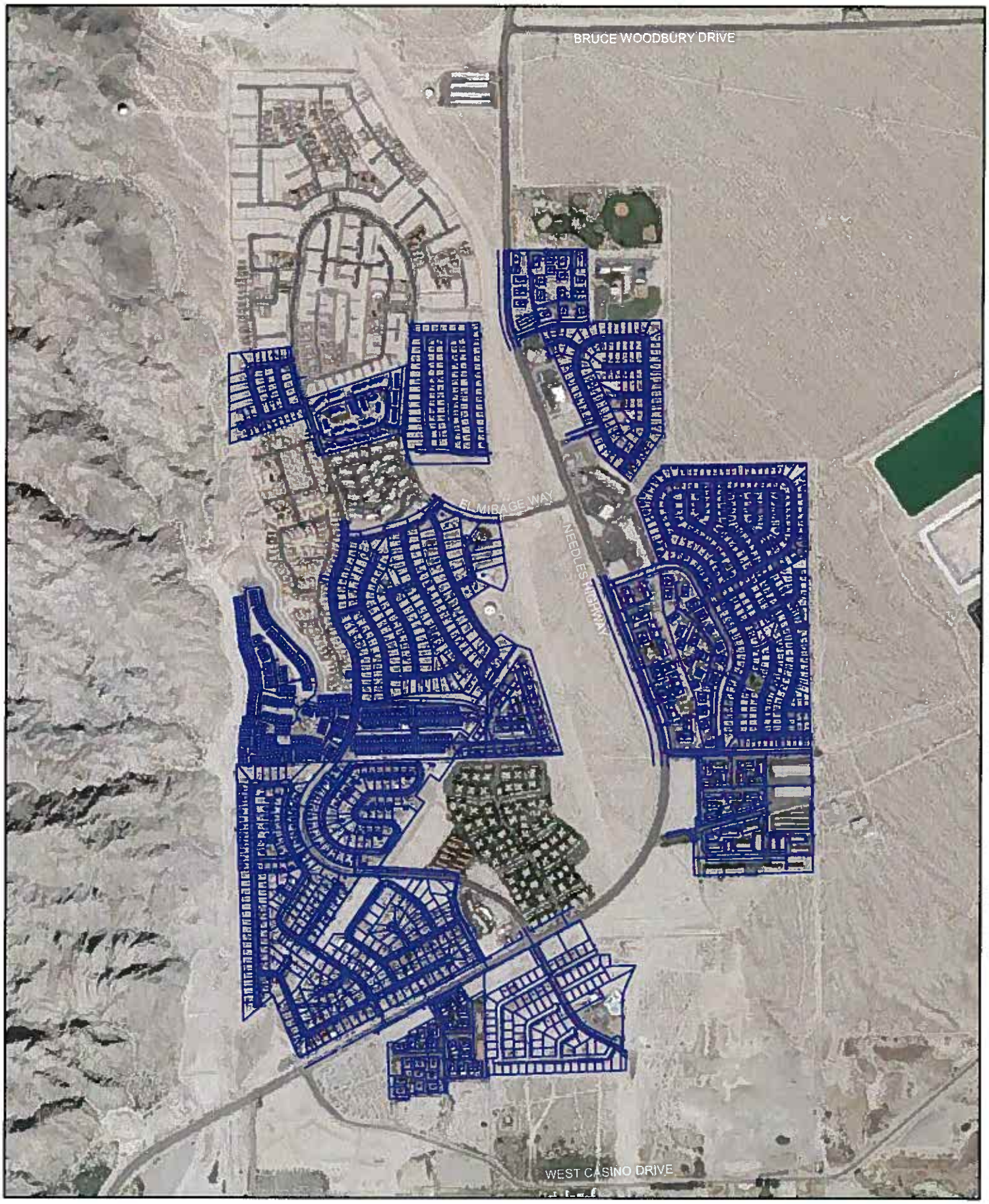
Map ID 17397-3220 6/09/2010 RHG

1000 Zone Storage Tank Site

N W E S

0 25 50 100 150



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Map ID 17402-3220 6/09/2010 RHG

Service Line Replacements

N
W E
S

500 250 0 500 1,000
Feet

Big Bend Water District – Laughlin, NV - Looking SE to back of 780 pump station

Looking NE to front of 780 pumping station site

Big Bend Water District – Laughlin, NV - Looking NW to front of 780 pumping station site

Looking West to 780 pumping station site

Big Bend Water District – Laughlin, NV - Neighborhood of service line replacements (typical)

Neighborhood of service line replacements (typical)

Big Bend Water District – Laughlin, NV - Neighborhood service line replacements (typical)

Looking NW to 780 zone tank repairs/reconfiguration Inlet/outlet piping and bypass

Big Bend Water District – Laughlin, NV - Looking SW to 780 zone tank repairs/reconfiguration Inlet/outlet piping and bypass

Looking West to 780 zone tank repairs/reconfiguration Inlet/outlet piping and bypass

Big Bend Water District – Laughlin, NV - Looking SE to 780 zone tank repairs/reconfiguration Inlet/outlet piping and bypass

Looking North to 780 zone tank repairs/reconfiguration Inlet/outlet piping and bypass

Big Bend Water District – Laughlin, NV - Looking NW to 780 zone tank repairs/reconfiguration Inlet/outlet piping and bypass

Looking SW to 1000 zone storage tank site (tank repairs and reconfiguration of inlet/outlet piping)

Big Bend Water District – Laughlin, NV - Looking West to 1000 zone storage tank site (tank repairs and reconfiguration of inlet/outlet piping)

Looking South to 1000 zone storage tank site (tank repairs and reconfiguration of inlet/outlet piping)

Big Bend Water District – Laughlin, NV - Looking East to 1000 zone storage tank site (tank repairs and reconfiguration of inlet/outlet piping)

Looking North to 1000 zone storage tank site (tank repairs and reconfiguration of inlet/outlet piping)

Big Bend Water District – Laughlin, NV - Looking South to 1000 pressure zone pumping station (electrical upgrades and 1000 to 750 bypass)

Looking SE to 1000 pressure zone pumping station (electrical upgrades and 1000 to 750 bypass)

Big Bend Water District – Laughlin, NV - Looking East to 1000 pressure zone pumping station (electrical upgrades and 1000 to 750 bypass)

Looking North to 1000 pressure zone pumping station (electrical upgrades and 1000 to 750 bypass)

Big Bend Water District – Laughlin, NV - Looking West to 1000 pressure zone pumping station (electrical upgrades and 1000 to 750 bypass)

Looking SE at treatment plant site (repair of residue dry beds)

Big Bend Water District – Laughlin, NV - Looking East at treatment plant site North fence (repair of residue dry beds)

Looking East at treatment plant site (repair of residue dry beds)

Big Bend Water District – Laughlin, NV - Looking North at treatment plant site (repair of residue dry beds)

Looking North at treatment plant site (repair of residue dry beds)

Big Bend Water District – Laughlin, NV - Looking West at treatment plant site (repair of residue dry beds) treatment plant in background

Looking South at treatment plant site (repair of residue dry beds)

Big Bend Water District – Laughlin, NV - Looking South at treatment plant site (repair of residue dry beds)