

## FACT SHEET

### City of Carlsbad- Double Eagle Water System Improvement Project

- Improvements to the City of Carlsbad's Double Eagle Water System, located about 30 miles to the northeast, will greatly enhance the City's opportunity for growth. While the City's Capitan Reef serves as Carlsbad's primary source of domestic water, the Double Eagle system provides non-treated water primarily for livestock, commercial and industrial purposes. When treated the Double Eagle Water will become a secondary source for the residents of Carlsbad.
- The City of Carlsbad first purchased the Double Eagle system in the 1970s. The City currently has 19 wells in the Double Eagle area, which draw water from the Ogallala Aquifer.
- In February of 2014, the City of Carlsbad began implementing Phase 2 of the Double Eagle improvement project. Phase 2 consists of 26 miles of pipeline, largely along the north end of US 62-180.
- There is currently a pipeline from Carlsbad to the Double Eagle Water System, but it consists of pipeline not larger than 12 inches in diameter. The pipeline also takes a roundabout route.
- The new system, which will deliver water to Carlsbad in 24 inch diameter pipes using a much more direct route, will significantly increase the capacity for water delivery in Carlsbad.
- The PVC pipes were first laid out north of the highway in segments of three, each 20 feet long. The pipes will be buried anywhere from four to ten feet below the ground. Work crews will first handle difficult areas, such as road crossings.
- Smithco Construction was awarded the Phase 2 bid for around \$14 million dollars.
- Phase 1 will be located on the Caprock and will replace existing undersized water line to enhance delivery to Carlsbad. Phase 2 began before Phase 1 as Phase 2 represents the largest portion of the project.
- The City of Carlsbad also has additional plans involving the Tatum water system, located to the north of the Double Eagle system. The Tatum system will ultimately produce significantly more water than the Double Eagle system, and development of this will secure Carlsbad's water production ability into the distant future and allow for planned growth.

#### Information:

This map shows the location of the pipeline that will be added as part of the Phase 2 project.

Assorted stacks of the PVC pipe that will soon join the Double Eagle system to Carlsbad.

**SURVEY CONTROL POINT NOTES**

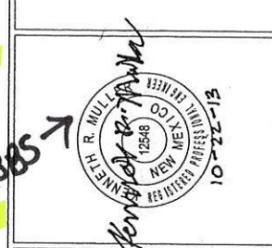
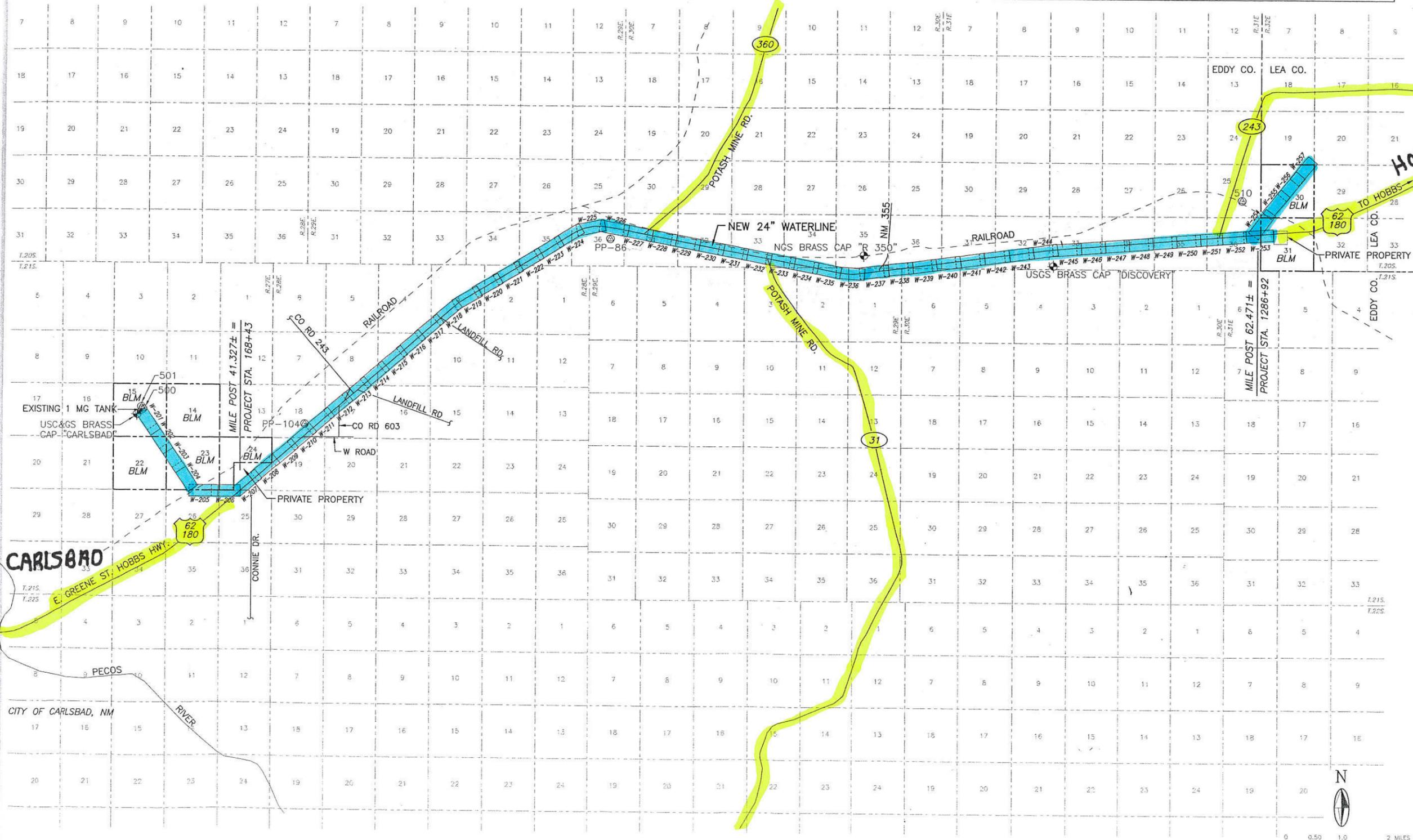
1. COORDINATE SYSTEM: US STATE PLANE 1983
2. ZONE: NEW MEXICO EAST 3001
3. GEOID MODEL: GEOID03 (CONUS)
4. PROJECT DATUM: NAD 1983 (CONUS)
5. VERTICAL DATUM: NAVD 88
6. COORDINATE UNITS: US SURVEY FEET
7. DISTANCE UNITS: US SURVEY FEET
8. HEIGHT UNITS: US SURVEY FEET
9. PROJECT COORDINATES: NAD 1983 GROUND
10. MEAN GROUND TO GRID FACTOR: 0.999758312
11. MEAN GRID TO GROUND FACTOR: 1.000241746

**SITE SURVEY CONTROL POINTS**

CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
500	538718.99	589781.11	3329.90	5/8" REBAR & RED PC (EAST OF 2 MG. TANK)
501	538916.83	589619.29	3322.31	5/8" REBAR & RED PC (NORTH OF 1 MG. TANK)
PP-104	537322.86	605910.56	3185.56	BRIDGE SPIKE
PP-88	556036.75	636431.71	3405.65	BRIDGE SPIKE
510	560238.72	699361.56	3546.87	5/8" REBAR & RED PC (SOUTH OF RR)
BRASS CAP	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	538171.68	589184.61	3340.34	USGS "CARLSBAD" (BRASS CAP SET IN ROCK SW OF 1 MG. TANK)
2	553632.03	680453.82	3611.21	USGS "DISCOVERY" (3.5" BRASS CAP SET IN BEDROCK S OF TOWER)
799	554546.89	661751.15	3449.96	NGS "R 350" (3.5" BRASS CAP SET IN ROCK OUTCROP N SIDE OF RR)

**MOLZENCORBIN**

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REV. NO.	REV. DATE	DESCRIPTION

PROJECT NUMBER: CRS111-11  
DESIGNED BY: MS  
DRAWN BY: AL  
CHECKED BY: AC  
PROJECT ENGINEER: KRM  
PROJECT DATE: OCTOBER 2013

**PROJECT LOCATION MAP**

**DOUBLE EAGLE WATERLINE - PHASE II**  
CITY OF CARLSBAD  
NEW MEXICO





