

SASD 2020 SYSTEM CAPACITY PLAN EXPANSION TRUNK SHEDS

DR UN RIO LINDA EAST TRUNK SHED

Area Description

The DR UN Rio Linda East Trunk Shed, previously known as the UN Rio Linda East Trunk Shed, has been modified since the 2010 System Capacity Plan.

The DR UN Rio Linda East shed is irregularly shaped and is generally bounded by Elkhorn Boulevard to the south, Watt Avenue to the east, a small portion is located north near Elverta Road. The western portion of the shed is bounded by Dry Creek.

A portion of the North Watt Corridor Redevelopment Area lies on the eastern boundary of the shed.

Trunk System Facilities

SASD received approval to use the future Dry Creek Relief Interceptor for expansion shed capacity. By allowing SASD to connect new developments to the relief interceptor, a small expansion trunk was eliminated from the previous plan.

Two small expansion trunk sewers are planned to serve this shed. A trunk would serve a central portion of the shed and connect to the Dry Creek Relief Interceptor near the intersection of Q and 28th Streets.

The second trunk sewer would serve the eastern area, south of Elkhorn Boulevard. It is planned to drain north on 32nd Street and connect to the Upper Northwest Interceptor manhole N57-MH0079A.

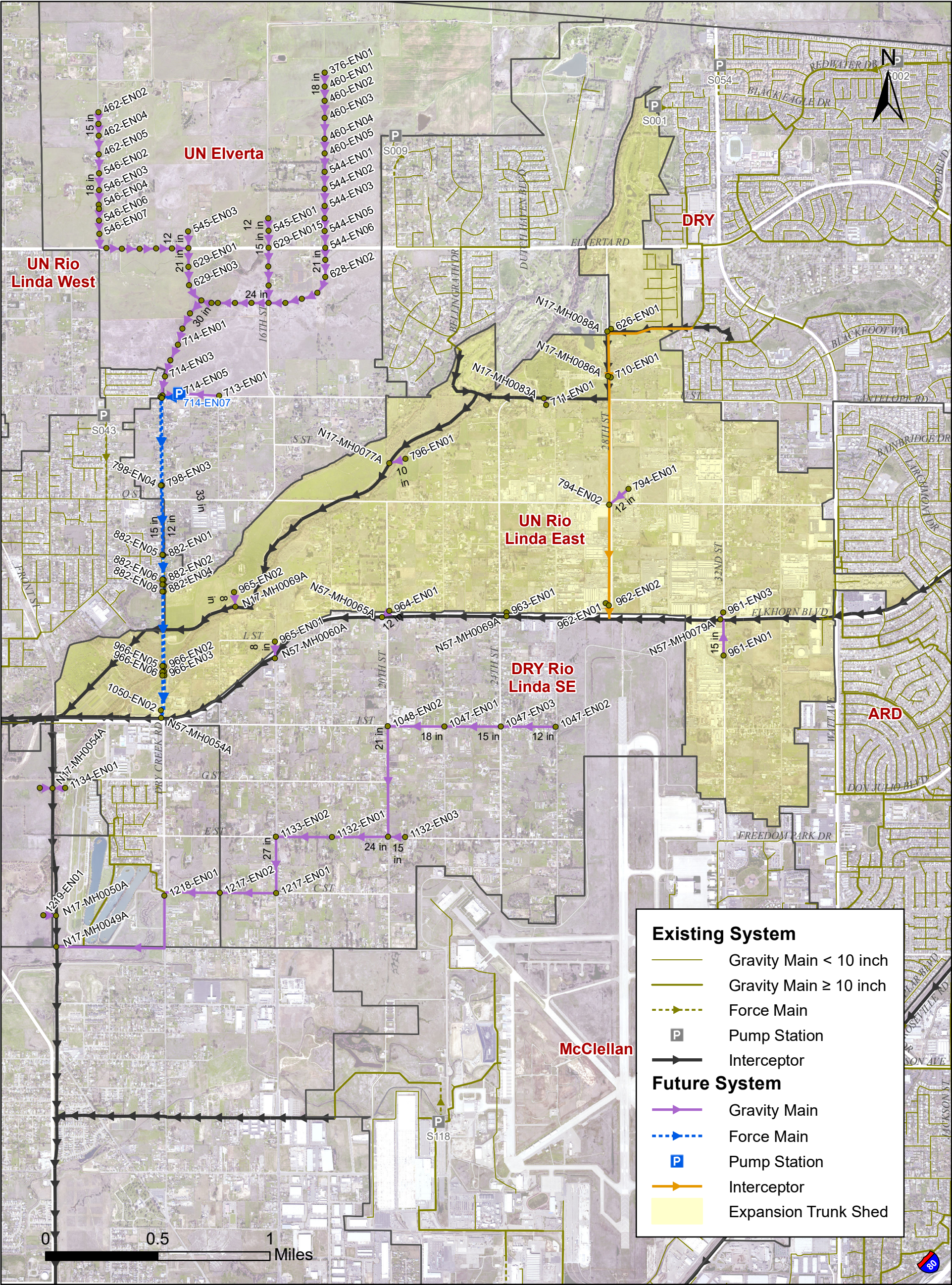
Additionally, there are a number of local collectors planned to connect to the existing Upper Northwest Interceptor, the Upper Dry Creek Interceptor, and including a connection to the Dry Creek Relief Interceptor near 28th Street and Elkhorn Boulevard.

DR UN Rio Linda East

Trunk Sewer Data and Model Results

Buildout **10-Year Design** Storm

US Manhole	DS Manhole	Link Type	Diameter (in)	Length (ft)	US Rim Elev. (ft)	US Invert Elev. (ft)	DS Rim Elev. (ft)	DS Invert Elev. (ft)	Slope (%)	Full Capacity (mgd)	Peak Flow (mgd)	% Full Capacity	d/D
961-EN01	N57-MH0079A	Gravity Main	15	893	76.0	60.4	78.0	58.8	0.18	1.8	1.3	73	1
794-EN01	794-EN02	Gravity Main	12	587	76.0	56.3	75.8	54.9	0.24	1.1	1.0	89	0.73



2020 SASD SYSTEM CAPACITY PLAN



DR UN Rio Linda East
Sewer Shed and Facilities
Buildout Expansion Plan
FIGURE A.11-1

