

SASD 2020 SYSTEM CAPACITY PLAN EXPANSION TRUNK SHEDS

DR RIO LINDA SE TRUNK SHED

Area Description

The DR Rio Linda SE Trunk Shed is bounded by Elkhorn Boulevard to the north, Ascot Avenue to the south, McClellan Business Park on the east, and the northern branch of Dry Creek to the west. The western portion of the shed that is bounded by the northern segment of Dry Creek is separated from the rest of the main shed, which is located east of Dry Creek Road.

Trunk System Facilities

This trunk shed has been modified since the previous System Capacity Plan. A portion of the DR UN Rio Linda East Trunk Shed has been incorporated into the DR Rio Linda SE Trunk Shed. The newly modified shed is planned to have a major trunk with one minor trunk connection.

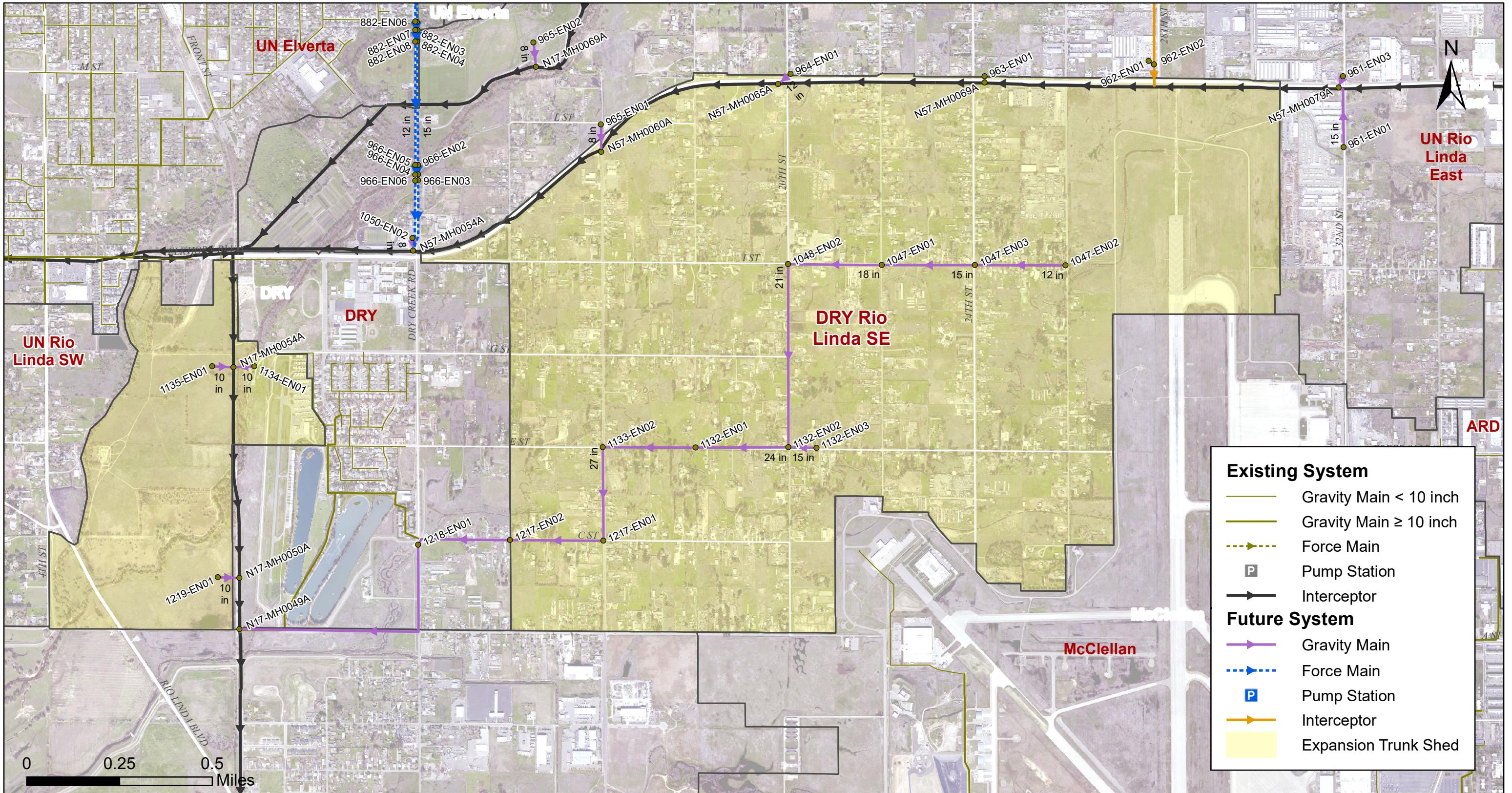
The major trunk would begin at approximately 26th Street and I Street. The trunk jogs west and south, following existing road alignments until it connects to Lower Dry Creek Interceptor manhole N17-MH0049A.

A smaller trunk would connect to the major trunk near E and 20th Streets. The smaller trunk would use the E Street alignment and arrive from the east.

Three collector sewers are planned to discharge into Dry Creek Interceptor manholes N17-MH0054A and N17-MH0050A.

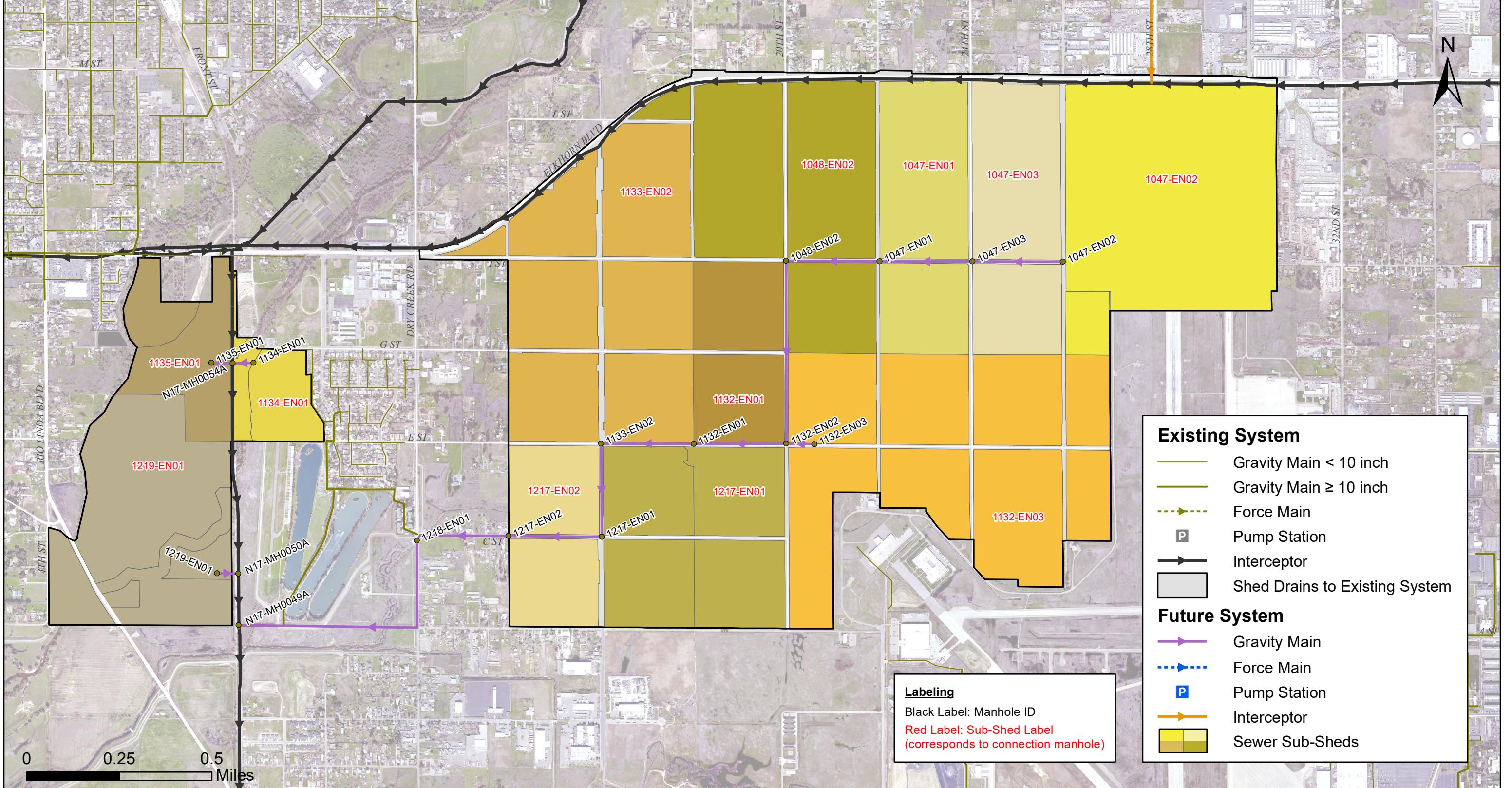
DR Rio Linda SE
Trunk Sewer Data and Model Results
 Buildout **10-Year Design Storm**

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
1132-EN03	1132-EN02	Gravity Main	15	400	56.0	34.4	51.6	33.7	0.18	1.8	1.2	68	0.61
1047-EN02	1047-EN03	Gravity Main	12	1287	62.0	44.4	63.9	41.3	0.24	1.1	1.0	89	0.74
1047-EN03	1047-EN01	Gravity Main	15	1327	63.9	41.0	60.0	38.6	0.18	1.8	1.5	84	0.71
1047-EN01	1048-EN02	Gravity Main	18	1333	60.0	38.4	60.0	36.5	0.14	2.5	2.0	78	0.66
1048-EN02	1132-EN02	Gravity Main	21	2605	60.0	36.3	51.6	33.2	0.12	3.6	2.8	78	0.66
1132-EN02	1132-EN01	Gravity Main	24	1321	51.6	32.9	46.7	31.4	0.11	4.9	4.0	82	0.74
1132-EN01	1133-EN02	Gravity Main	24	1322	46.7	31.4	46.0	30.0	0.11	4.9	4.3	88	0.72
1133-EN02	1217-EN01	Gravity Main	27	1331	46.0	29.7	48.0	28.4	0.10	6.3	5.3	83	0.8
1217-EN01	1217-EN02	Gravity Main	27	1326	48.0	28.4	43.6	27.1	0.10	6.3	5.9	93	0.82
1217-EN02	1218-EN01	Gravity Main	27	1353	43.6	27.1	42.1	25.7	0.10	6.3	6.2	97	0.81
1218-EN01	N17-MH0049A	Gravity Main	27	3785	42.1	25.7	34.3	22.0	0.10	6.3	6.1	97	0.8



**DR Rio Linda SE
Sewer Shed and Facilities
Buildout Expansion Plan
FIGURE A.10-1**

2020 SASD SYSTEM CAPACITY PLAN



DR Rio Linda SE
Sub-Sheds and Connection Manholes
Buildout Expansion Plan
FIGURE A.10-2

2020 SASD SYSTEM CAPACITY PLAN