SASD 2020 SYSTEM CAPACITY PLAN EXPANSION TRUNK SHEDS

BR FLORIN TRUNK SHED

Area Description

The BR Florin Trunk Shed is an irregular shaped area with Florin Road central to the shed. The shed area is bounded by the Central California Traction Company Railroad to the west and Grant Line Road to the east. It is north and south of Florin Road.

Trunk System Facilities

The trunk shed is planned to be served by two major trunk sewer systems that would connect to the Bradshaw Interceptor. Two smaller trunks drain to an upstream trunk pump station.

One of the major trunks is a gravity pipeline that would have its upstream manhole near Excelsior and Florin Roads. The trunk sewer would serve areas adjacent to Florin Road, and it would drain westward (from Excelsior Road) along Florin Road and connect to SASD manhole 302-185-1002. This manhole is located adjacent to Florin Road and ultimately drains to Bradshaw Interceptor manhole N38-MH0057A.

The second major trunk system consists of a pump station and force main that convey flow from the eastern portion of the shed. The area served is generally bounded by Grant Line Road, Jackson Road, and Sunrise Boulevard. A trunk pump station would be located adjacent to Florin Road, east of the Folsom South Canal. A force main would cross the canal, travel west along Florin Road and ultimately connect to SASD manhole 302-185-1002. Two gravity trunks are planned to drain to the pump station.

Two collector-sized connections are planned for the northwest portion of the Florin shed. They would connect to Bradshaw Interceptor manholes N38-MH0059A and N38-MH0062A.

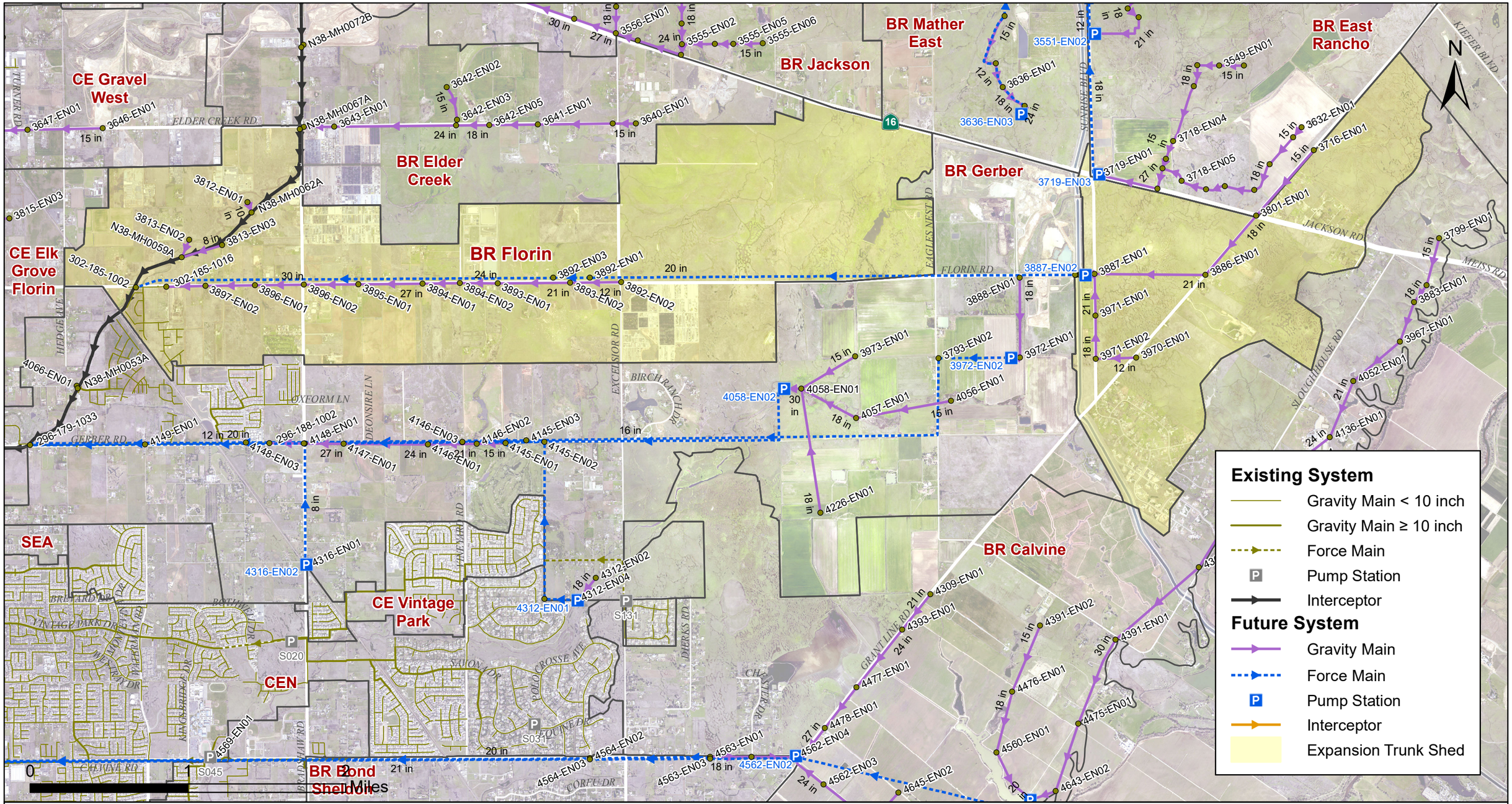
It should be noted that a large-diameter Freeport Regional Water pipeline crosses (perpendicular to) Florin Road near Knox Road, and this may pose a conflict to the proposed future trunks located along Florin Road.

BR Florin

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
3716-EN01	3801-EN01	Gravity Main	15	2924	159.0	135.1	151.4	129.8	0.18	1.8	1.3	73	0.64
3801-EN01	3886-EN01	Gravity Main	18	2610	151.4	127.5	147.9	123.9	0.14	2.5	1.9	76	0.65
3886-EN01	3887-EN01	Gravity Main	21	3718	147.9	105.8	112.0	101.4	0.12	3.6	3.0	85	0.71
3887-EN01	3887-EN02	Gravity Main	30	298	112.0	88.2	112.0	87.9	0.10	8.4	6.8	81	0.59
3970-EN01	3971-EN02	Gravity Main	12	1354	113.1	103.5	112.0	99.1	0.33	1.3	1.0	77	0.65
3971-EN02	3971-EN01	Gravity Main	18	1448	112.0	98.6	112.0	96.6	0.14	2.5	1.9	76	0.65
3971-EN01	3887-EN01	Gravity Main	21	1393	112.0	90.6	112.0	89.0	0.12	3.6	2.8	80	0.67
3887-EN02	3887-EN03	Pump									6.8		
3887-EN03	302-185-1002	Force Main	20	31801	112.0	102.0	52.8	42.8			6.8		
3892-EN02	3893-EN02	Gravity Main	12	1711	106.0	76.0	100.0	71.8	0.24	1.1	1.0	89	0.74
3893-EN02	3893-EN01	Gravity Main	21	2423	100.0	69.6	74.0	66.7	0.12	3.6	3.1	87	0.72
3893-EN01	3894-EN02	Gravity Main	24	1270	74.0	50.4	76.0	49.0	0.11	4.9	4.1	85	0.71
3894-EN02	3894-EN01	Gravity Main	24	1243	76.0	49.0	71.8	47.7	0.11	4.9	4.1	85	0.71
3894-EN01	3895-EN01	Gravity Main	27	2148	71.8	45.7	68.0	43.0	0.12	7.0	5.0	72	0.72
3895-EN01	3896-EN02	Gravity Main	27	1825	68.0	43.0	64.0	41.2	0.10	6.3	5.5	86	0.72
3896-EN02	3896-EN01	Gravity Main	30	1640	64.0	39.0	58.0	37.3	0.10	8.4	6.7	79	0.67
3896-EN01	3897-EN02	Gravity Main	30	1656	58.0	37.1	53.0	35.4	0.10	8.4	7.3	87	0.72
3897-EN02	302-185-1016	Gravity Main	30	1314	53.0	32.7	51.7	31.4	0.10	8.4	7.8	93	0.75

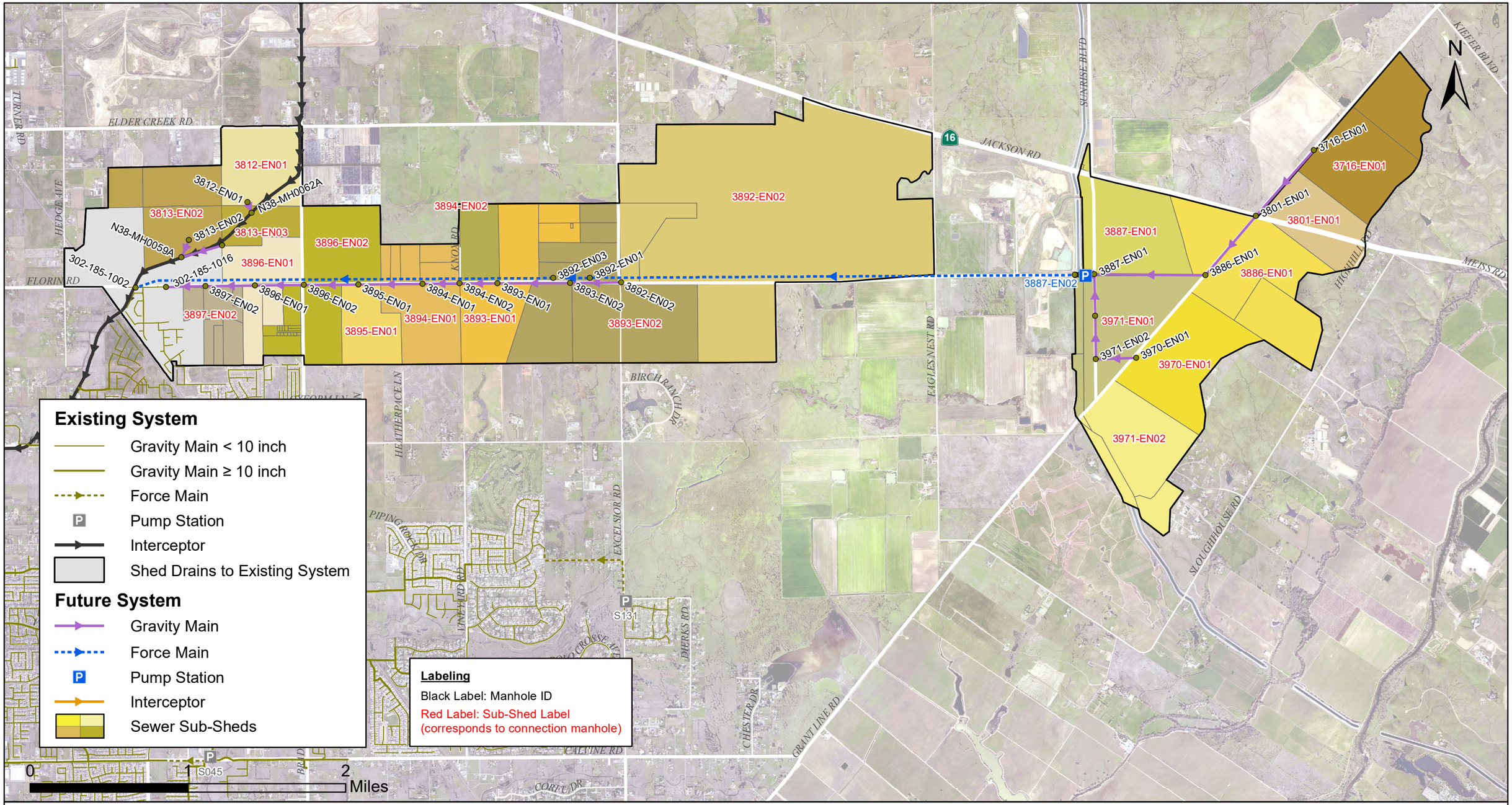


SACRAMENTO AREA SEWER DISTRICT

BR Florin
Sewer Shed and Facilities
Buildout Expansion Plan
FIGURE A.5-1

2020 SASD SYSTEM CAPACITY PLAN

Updated: 9/25/2020



SACRAMENTO AREA SEWER DISTRICT

BR Florin
Sub-Sheds and Connection Manholes
Buildout Expansion Plan
FIGURE A.5-2

2020 SASD SYSTEM CAPACITY PLAN

Updated: 8/29/2020