

SASD 2010 SYSTEM CAPACITY PLAN EXPANSION TRUNK SHEDS

CE ELK GROVE FLORIN TRUNK SHED

Area Description

The CE Elk Grove-Florin Trunk Shed is located east and west of Elk Grove-Florin Road between Gerber Road and Elder Creek Road. The trunk shed includes part of the Florin/Vineyard Community Plan.

Trunk System Facilities

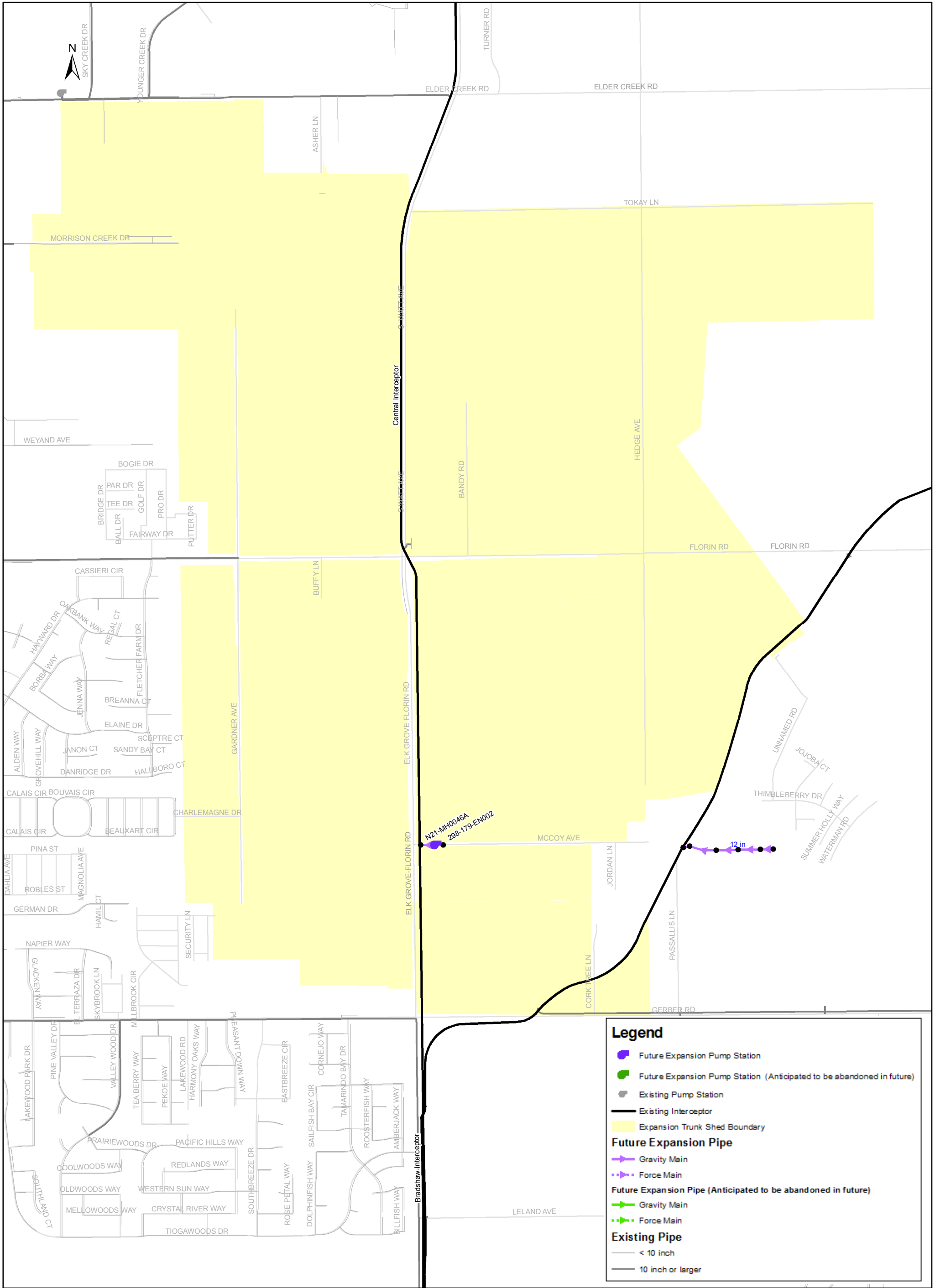
The trunk shed would be served by two trunk sewers and two trunk pump stations. One trunk and its discharge pump station are located along McCoy Avenue, east of Elk Grove Florin Road. The pump station discharges to Central Interceptor manhole N21-MH0046A. *This pump station and trunk sewer is anticipated to be needed by 2020.*

The other trunk sewer and pump station is located just south of Tokay Avenue, east of South Watt Avenue. The pump station discharges to Central Interceptor manhole N21-MH0052A.

There is also one local collector pump station on McCoy Avenue, west of Elk Grove Florin Road.

**CE Elk Grove Florin
Trunk Sewer Data and Model Results
Buildout 10-Year Design Storm**

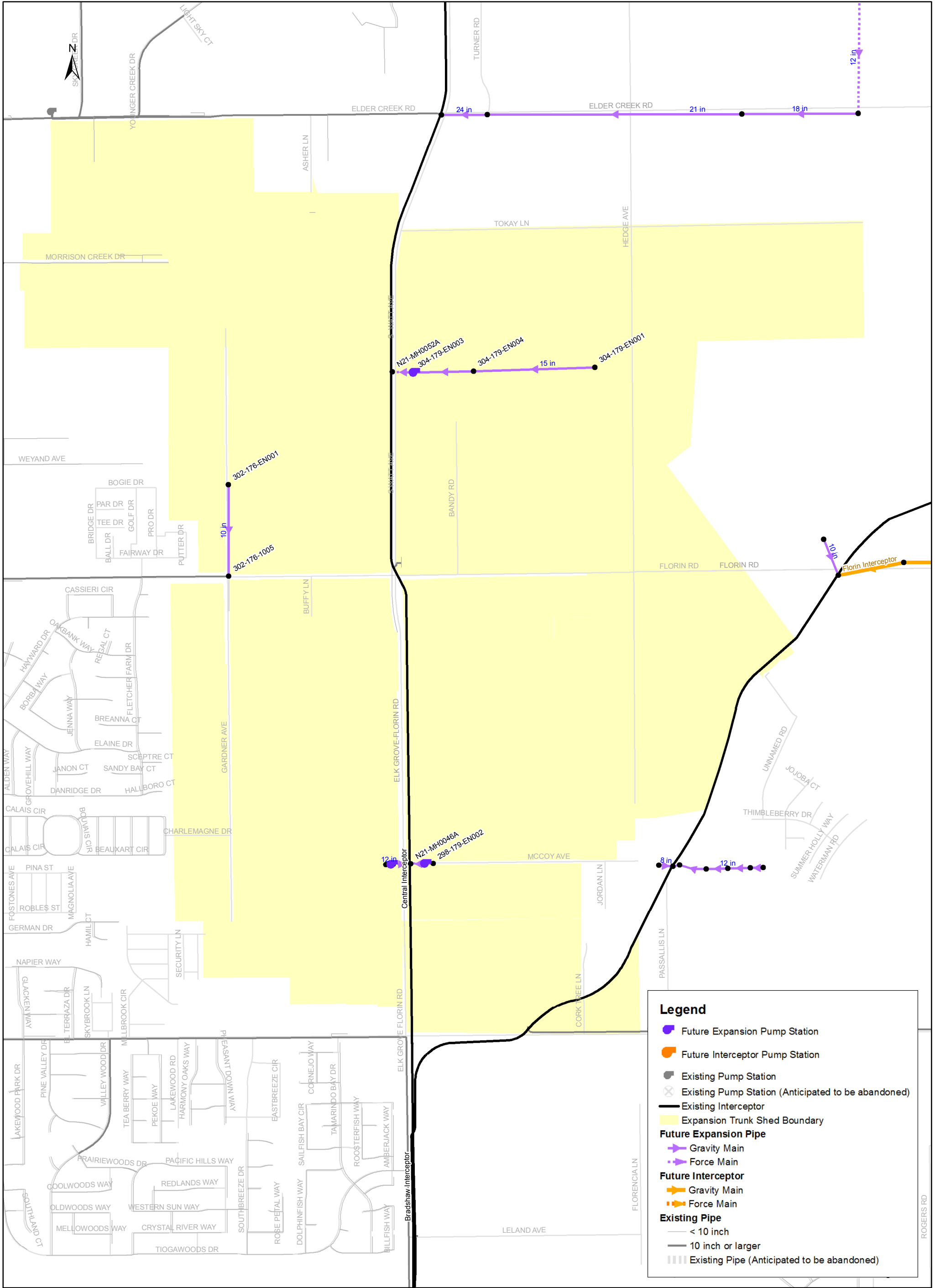
US Manhole	DS Manhole	Link Suffix	Link Type	Diameter (in)	Length (ft)	US Rim Elev. (ft)	US Invert Elev. (ft)	DS Rim Elev. (ft)	DS Invert Elev. (ft)	Slope, %	Full Capacity (mgd)	Peak Flow (mgd)	% Full Capacity	d/D
298-179-EN002	298-179-EN003	1	Gravity Main	12	84	44.0	20.2	44.0	20.0	0.240	1.13	1.34	100	0.9
298-179-EN003	298-179-EN004	1	Pump									1.34		0.0
298-179-EN004	N21-MH0046A	1	Force Main	8	166	44.0	20.0	42.3	25.7	-3.440		1.34		1.0
304-179-EN001	304-179-EN004	1	Gravity Main	15	1391	50.0	28.5	51.3	23.6	0.350	2.47	1.85	75	0.8
304-179-EN004	304-179-EN002	1	Gravity Main	15	677	51.3	23.6	47.1	22.0	0.240	2.05	1.85	90	0.7
304-179-EN002	304-179-EN003	1	Pump									1.85		0.0
304-179-EN003	N21-MH0052A	1	Force Main	10	245	47.1	22.0	48.9	29.3	-2.950		1.85		1.0



2010 SASD SYSTEM CAPACITY PLAN

CE Elk Grove Florin
Year 2020 Expansion Plan

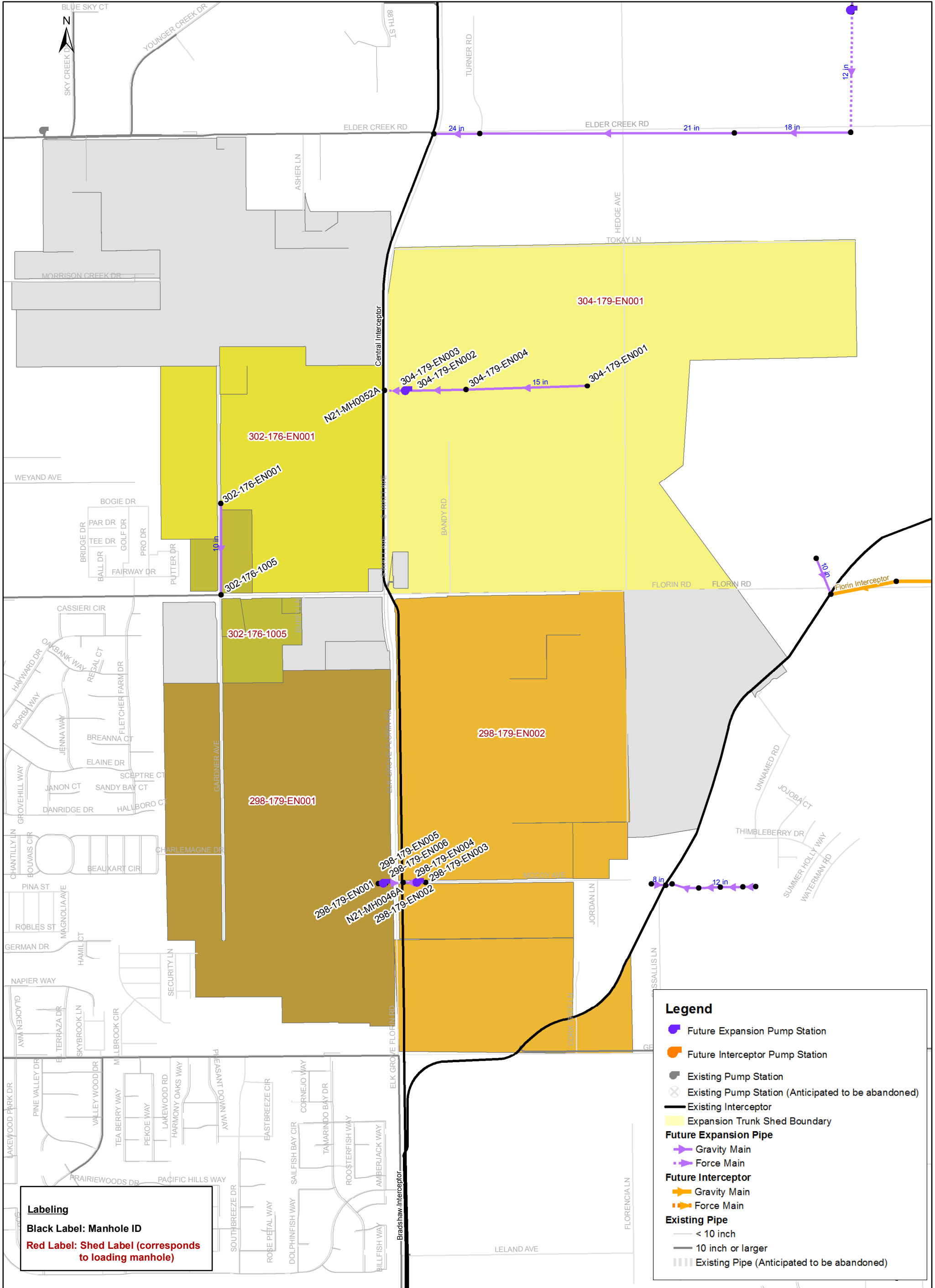
FIGURE A.9-1



2010 SASD SYSTEM CAPACITY PLAN

CE Elk Grove Florin
Buildout Expansion Plan


FIGURE A.9-2



Labeling
Black Label: Manhole ID
Red Label: Shed Label (corresponds to loading manhole)

Legend

- Future Expansion Pump Station
- Future Interceptor Pump Station
- Existing Pump Station
- Existing Pump Station (Anticipated to be abandoned)
- Existing Interceptor
- Expansion Trunk Shed Boundary
- Future Expansion Pipe**
 - Gravity Main
 - Force Main
- Future Interceptor**
 - Gravity Main
 - Force Main
- Existing Pipe**
 - < 10 inch
 - 10 inch or larger
 - Existing Pipe (Anticipated to be abandoned)


2010 SASD SYSTEM CAPACITY PLAN
CE Elk Grove Florin
Sewer Shed Map
Buildout Expansion Plan
FIGURE A.9-3