

SASD 2010 SYSTEM CAPACITY PLAN EXPANSION TRUNK SHEDS

BR GERBER TRUNK SHED

Area Description

The BR Gerber Trunk Shed is located north and south of Gerber Road between Elk Grove-Florin Road and Excelsior Road. The Trunk Shed includes the southern portion of the North Vineyard Station Specific Plan area and the northwestern portion of the Vineyard Springs Comprehensive Plan area. Other areas in the western and southern portions of this trunk shed are part of the Florin/Vineyard Community plan.

Trunk System Facilities

The trunk shed would be served by a major trunk sewer located along Gerber Road. A portion of this trunk sewer has already been constructed up to a point approximately 1000 feet west of Bradshaw Road (manhole 296-188-1002). This trunk sewer discharges to the Bradshaw Interceptor at manhole N38-MH0050A and additional connections to the existing trunk are expected in the future.

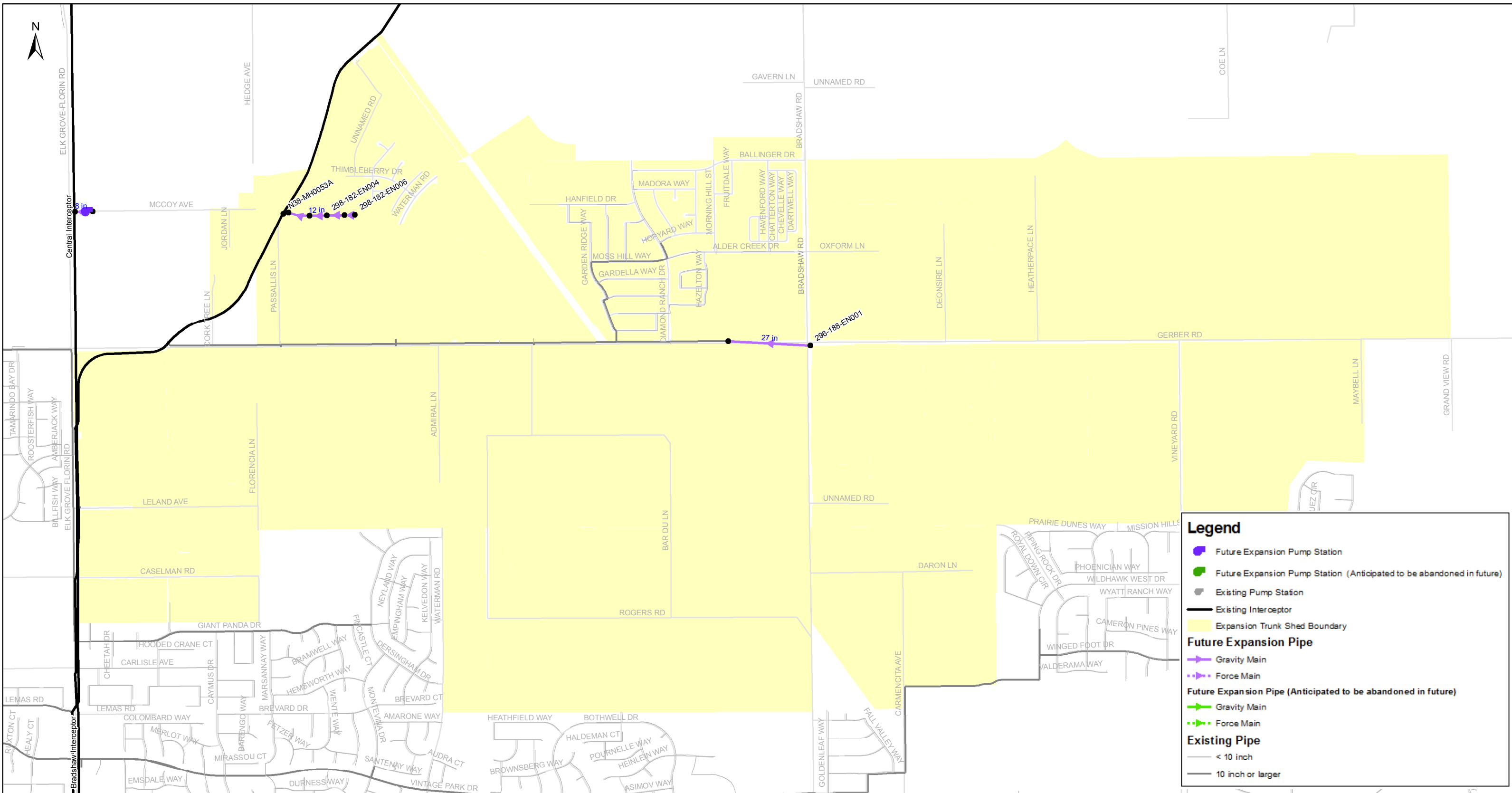
A trunk sized pump station will be required to serve the southern portion of the shed and will be located near Bradshaw Road and the Central California Traction Co. Railroad right-of-way.

A collector sewer will serve an area in the northern portion of the expansion shed, west of the Bradshaw Interceptor, and will connect to interceptor manhole N38-MH0053A.

It should be noted that a large diameter Freeport Regional Water pipeline is located along Gerber Road and this may pose a significant conflict to the proposed SASD expansion trunk that is to be located along Gerber Road.

BR Gerber
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
296-188-EN001	296-188-1002	1	Gravity Main	24	1181	58.0	36.7	55.9	35.4	0.110	4.85	5.34	100	0.9
296-194-EN003	296-194-EN001	1	Gravity Main	15	1642	70.1	48.4	68.0	42.2	0.380	2.57	1.61	63	0.6
296-194-EN001	296-191-EN001	1	Gravity Main	21	2820	68.0	41.7	68.0	38.4	0.120	3.55	2.72	77	0.7
296-191-EN001	296-188-EN001	1	Gravity Main	24	1299	68.0	38.1	58.0	36.7	0.110	4.85	3.93	81	0.9
292-188-EN001	292-188-EN002	1	Gravity Main	12	55	60.0	34.2	60.0	34.1	0.240	1.13	1.32	100	0.8
292-188-EN002	292-188-EN003	1	Pump									1.32		0.0
292-188-EN003	296-188-EN001	1	Force Main	8	4038	60.0	34.1	58.0	38.7	-0.110		1.32		1.0

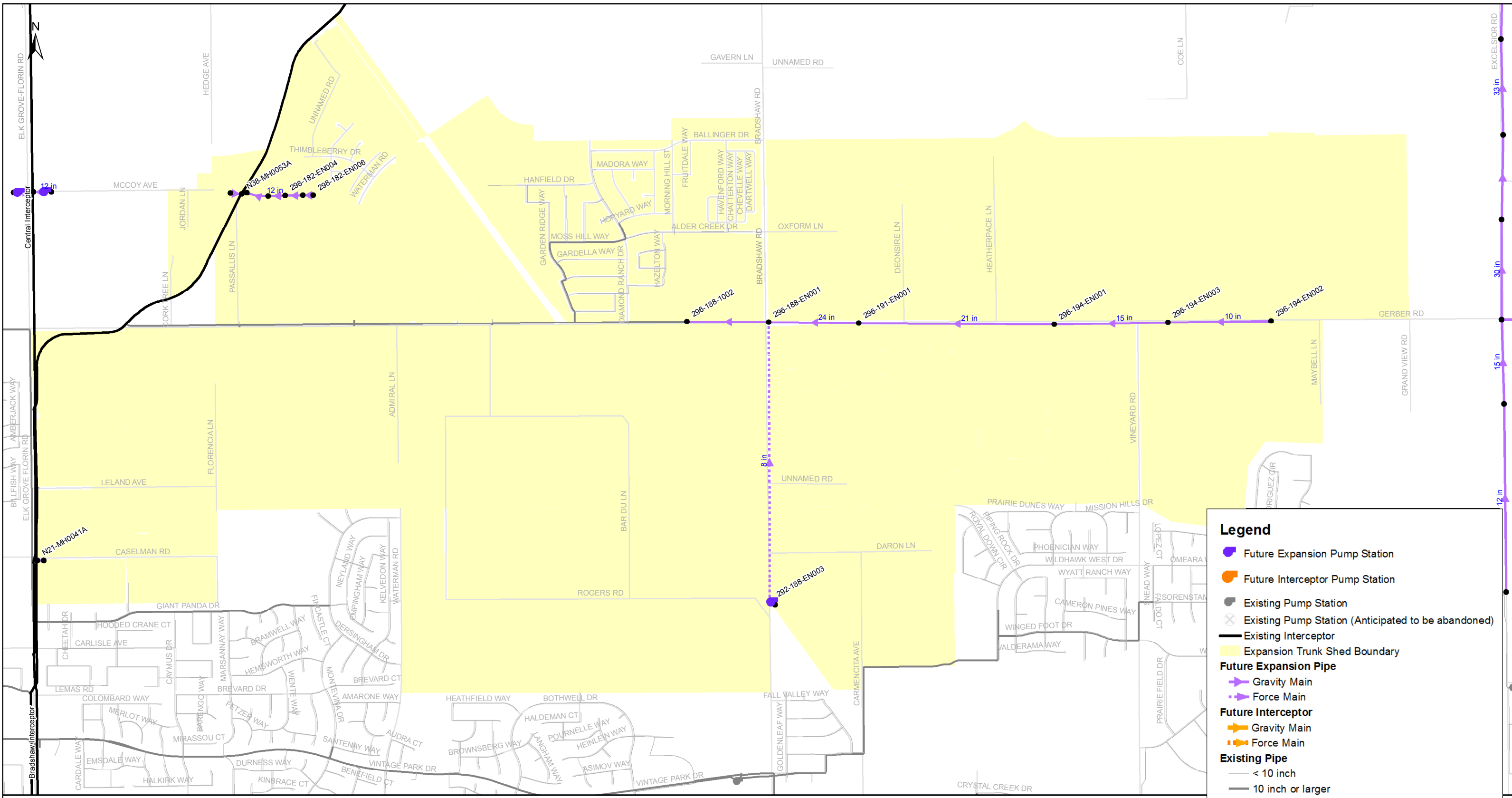


2010 SASD SYSTEM CAPACITY PLAN

BR Gerber

Year 2020 Expansion Plan

FIGURE A.6-1



Legend

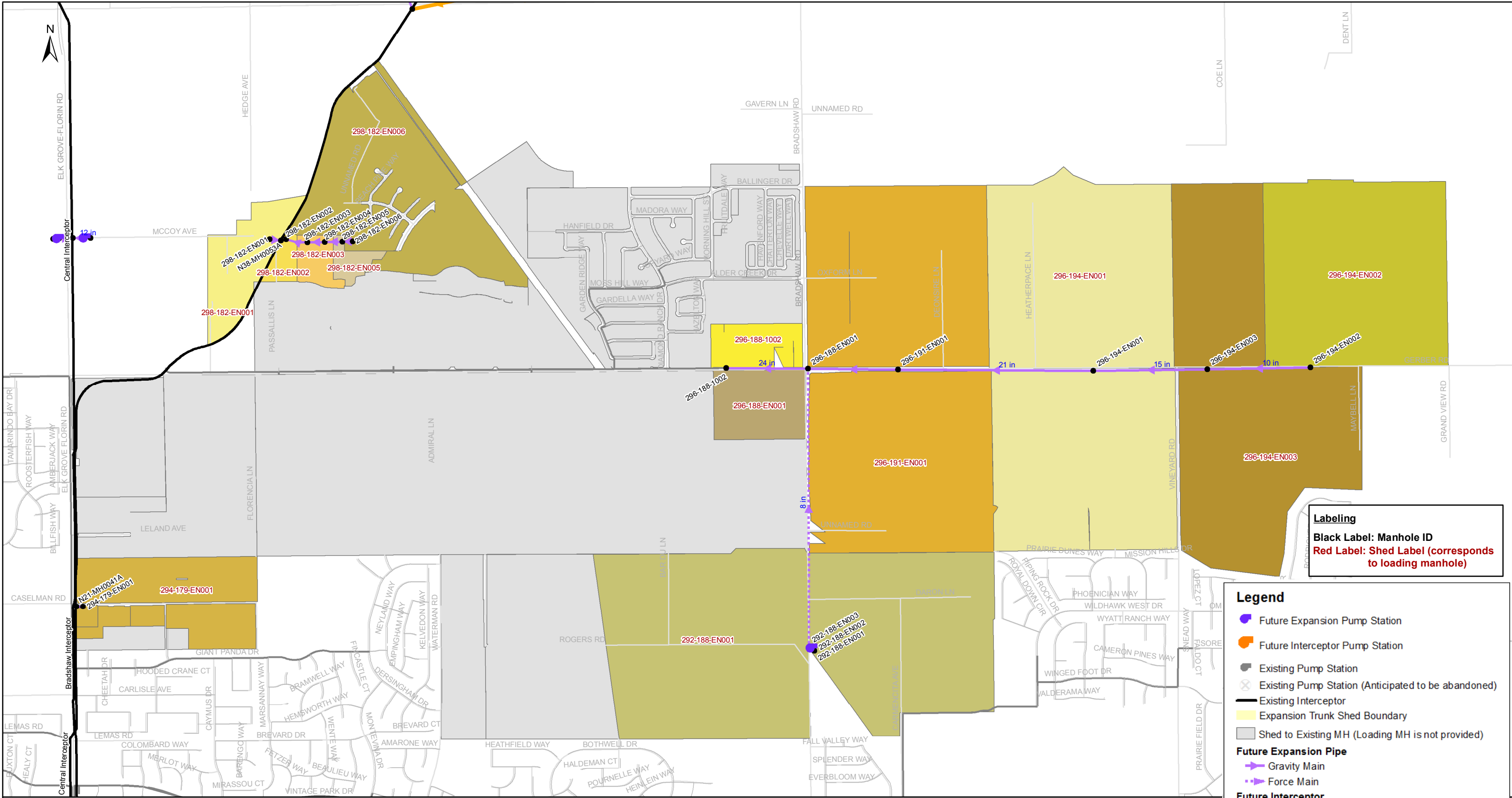
- Future Expansion Pump Station
- Future Interceptor Pump Station
- Existing Pump Station
- Existing Pump Station (Anticipated to be abandoned)
- Existing Interceptor
- Expansion Trunk Shed Boundary
- Future Expansion Pipe**
 - Gravity Main
 - Force Main
- Future Interceptor**
 - Gravity Main
 - Force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



2010 SASD SYSTEM CAPACITY PLAN

**BR Gerber
Buildout Expansion Plan**


FIGURE A.6-2



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
- Shed to Existing MH (Loading MH is not provided)
- 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)


SACRAMENTO AREA SEWER DISTRICT
2010 SASD SYSTEM CAPACITY PLAN
BR Gerber
Sewer Shed Map
Buildout Expansion Plan
FIGURE A.6-3