

SASD 2010 SYSTEM CAPACITY PLAN EXPANSION TRUNK SHEDS

UN RIO LINDA WEST TRUNK SHED

Area Description

The UN Rio Linda West Trunk Shed is located north of Elkhorn Boulevard, east of the Natomas East Drainage Canal and west of Rio Linda Boulevard.

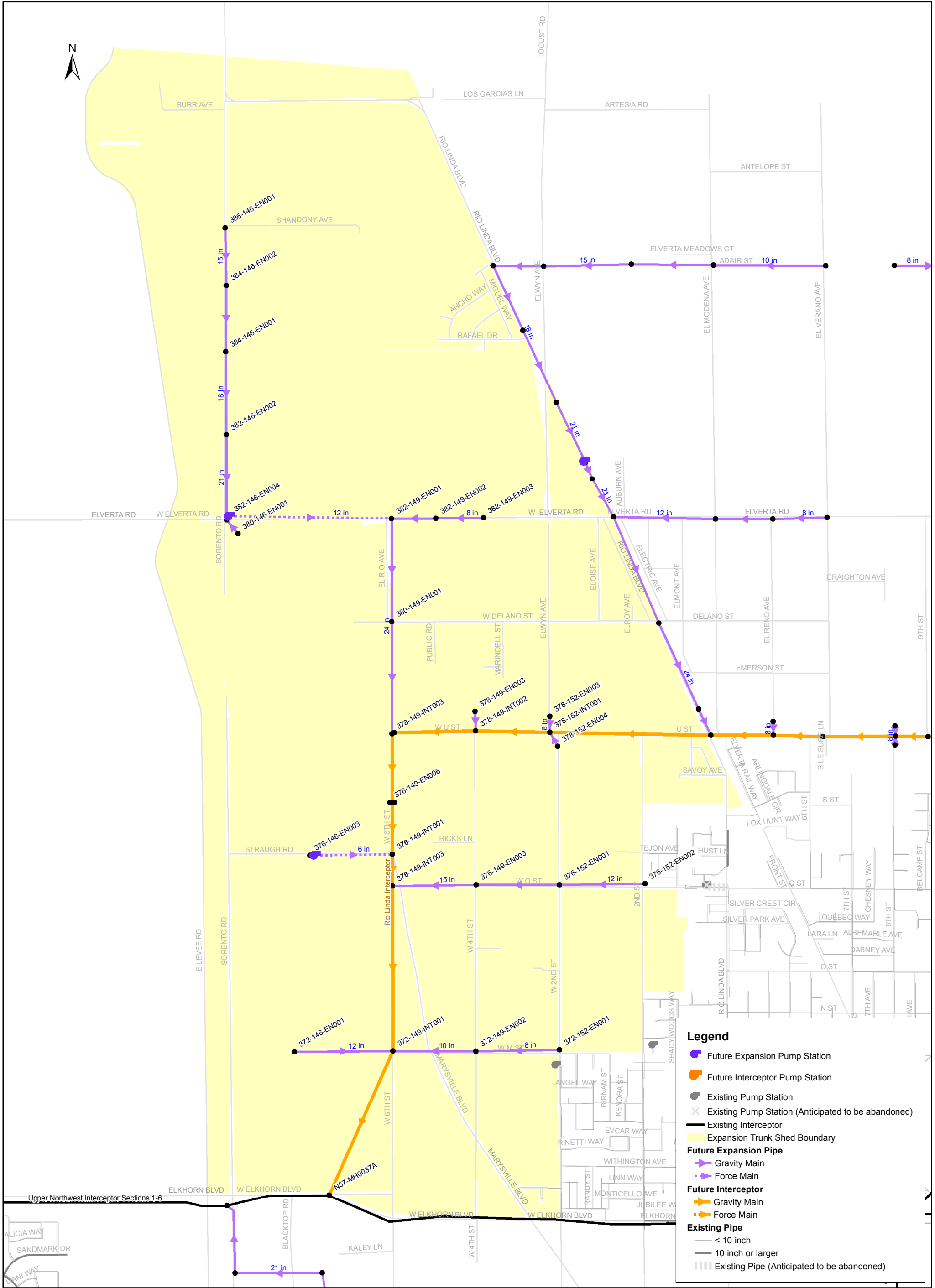
Trunk System Facilities


This trunk shed would be served by three primary trunk sewers that connect to the Rio Linda Interceptor. There is also one trunk pump station and a local pump station. One trunk travels south on Sorento Road to the pump station, east on West Elverta Road, south on El Rio Avenue and West 6th Street to the interceptor connection. Another trunk is located on West Q Street and the other trunk is located on West M Street.

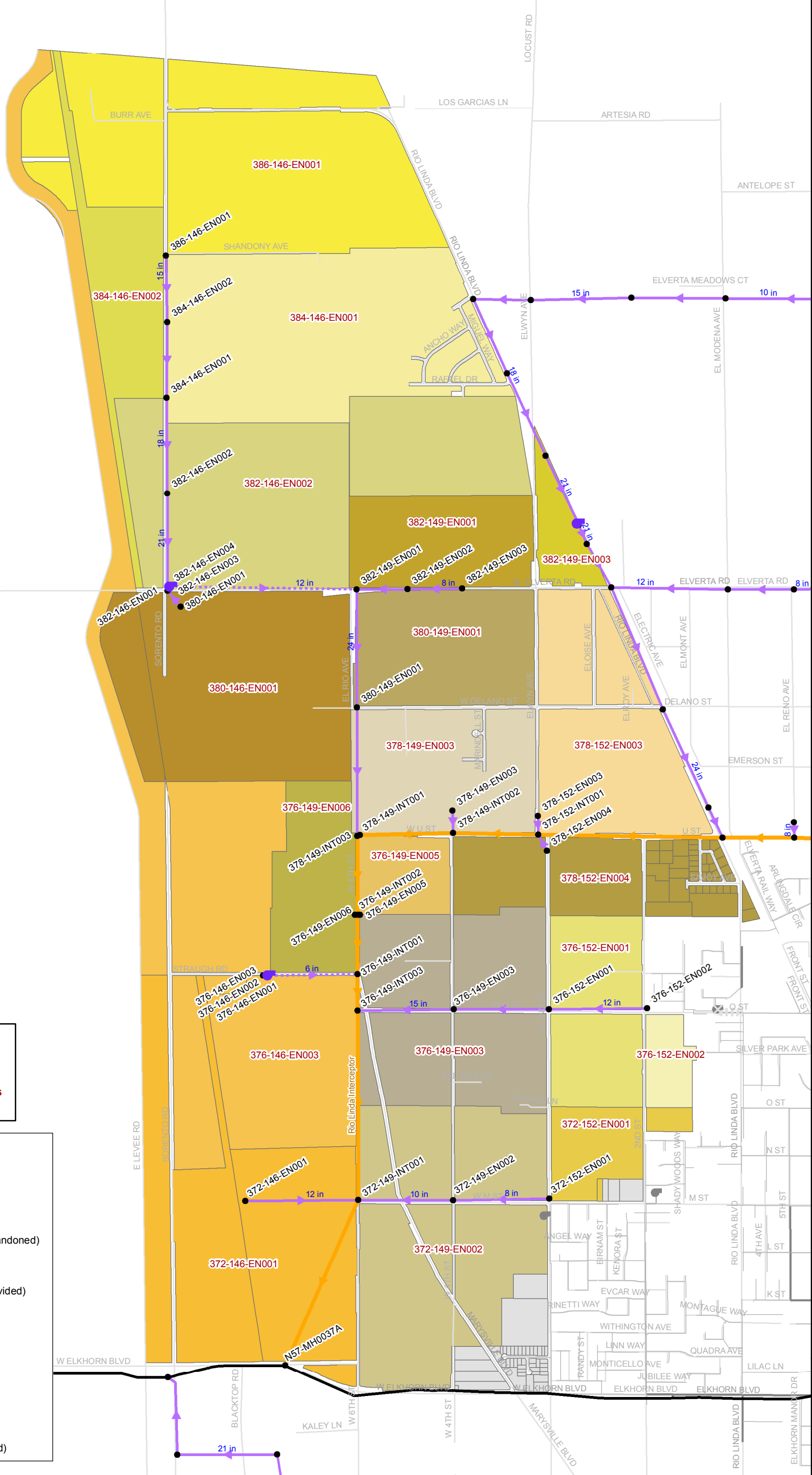
The trunk pump station would be located near the intersection of West Elverta Road and Sorento Road in the northern part of the shed. The forcemain travels east on West Elverta Road. The local pump station is located near Straugh Road, west of the Rio Linda Interceptor.

**UN Rio Linda West
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
386-146-EN001	384-146-EN002	1	Gravity Main	15	909	32.7	7.2	32.3	5.5	0.180	1.77	1.09	62	0.6
384-146-EN002	384-146-EN001	1	Gravity Main	18	1050	32.3	5.5	30.6	4.0	0.140	2.54	1.36	54	0.7
384-146-EN001	382-146-EN002	1	Gravity Main	18	1312	30.6	4.0	28.0	2.2	0.140	2.54	2.24	88	0.7
382-146-EN002	382-146-EN001	1	Gravity Main	21	1341	28.0	1.2	32.5	-0.4	0.120	3.55	3.22	91	0.7
382-146-EN001	382-146-EN003	2	Gravity Main	21	70	32.5	-0.4	32.5	-0.5	0.120	3.55	3.87	100	0.6
382-146-EN003	382-146-EN004	1	Pump									3.87		0.0
382-146-EN004	382-149-EN001	1	Force Main	12	2556	32.5	-0.5	38.9	16.7	-0.670		3.87		1.0
382-149-EN001	380-149-EN001	2	Gravity Main	24	1625	38.9	14.7	38.0	12.9	0.110	4.85	4.27	88	0.8
380-149-EN001	378-149-INT003	2	Gravity Main	24	1771	38.0	12.9	32.2	11.0	0.110	4.85	4.62	95	0.8
376-152-EN001	376-149-EN003	1	Gravity Main	12	1310	43.6	21.5	33.4	15.1	0.480	1.60	1.09	68	0.6
376-149-EN003	376-149-INT003	1	Gravity Main	15	1321	33.4	14.9	28.0	9.3	0.420	2.70	1.68	62	0.6




2010 SASD SYSTEM CAPACITY PLAN
UN Rio Linda West
Buildout Expansion Plan
FIGURE A.21-1



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
UN Rio Linda West
Sewer Shed Map
Buildout Expansion Plan
FIGURE A.21-2