

SASD 2010 SYSTEM CAPACITY PLAN EXPANSION TRUNK SHEDS

UN ELVERTA TRUNK SHED

Area Description

The UN Elverta Trunk Shed is located east of Rio Linda Boulevard and north of U Street with a smaller portion south of U Street and north of Dry Creek. The trunk shed includes the Elverta Specific Plan area.

Trunk System Facilities

This trunk shed would be served by four primary trunk sewers that would connect into the Rio Linda Interceptor. In addition, there are two trunk pump stations.

One of the trunk sewers connects to the interceptor at Rio Linda Boulevard and U Street and serves the northwestern portion of the shed. A trunk pump station is required for this trunk and is located north of West Elverta Road.

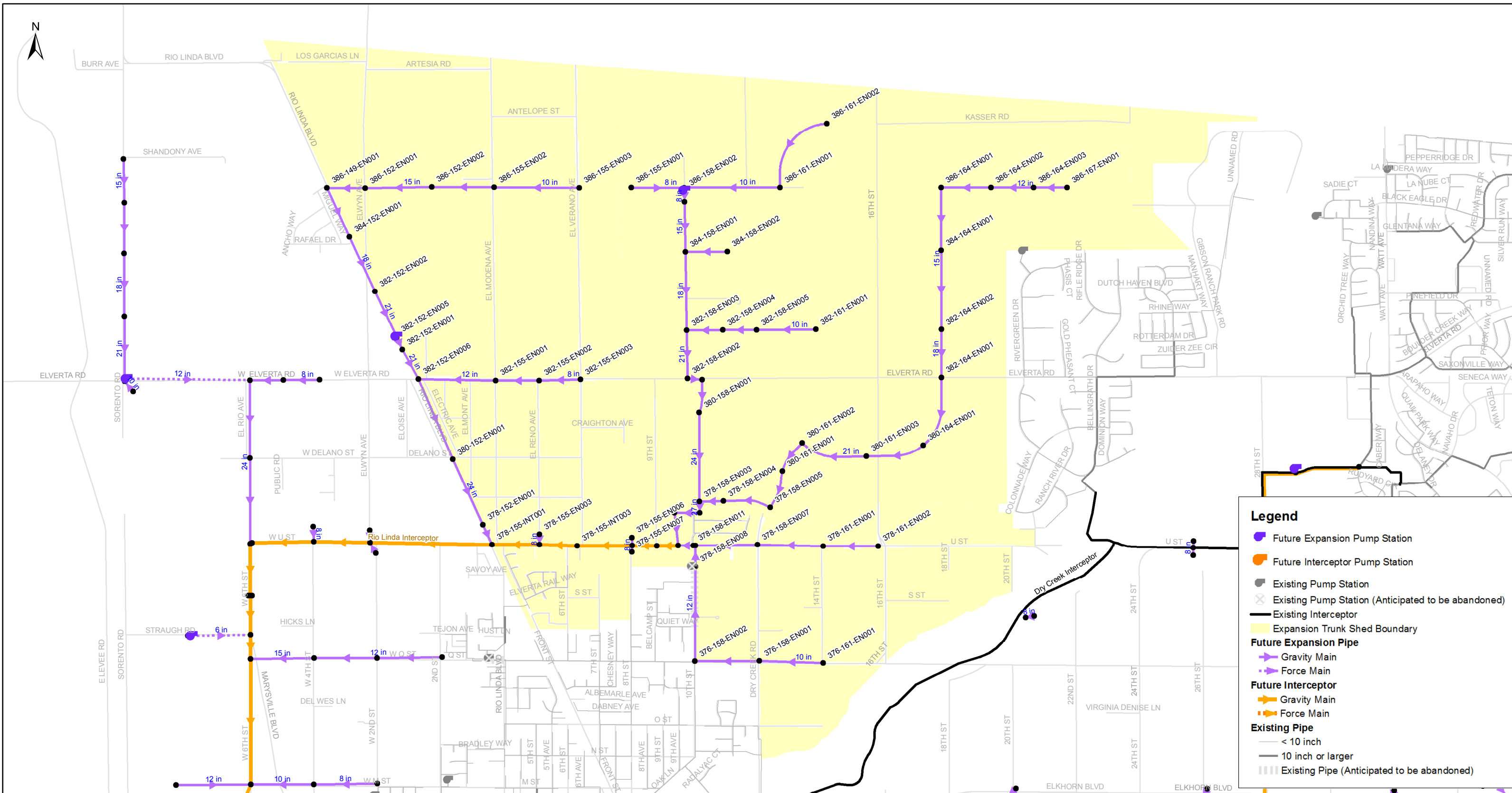
Another trunk sewer serves the central northern portion of the shed and is mainly located near 10th Street and Palladay Road. The other trunk pump station is located in the northern section of this trunk.

A trunk sewer that originates near 10th Street and U Street, and is located primarily east of 16th Street, serves the northeastern portion of the shed.

A fourth trunk serves the southeast portion of the shed and is located on Q Street and 10th Street, south of U Street.

UN Elverta
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
386-164-EN002	386-164-EN001	1	Gravity Main	15	1055	80.0	60.0	79.5	58.0	0.190	1.82	1.07	59	0.6
386-164-EN001	384-164-EN001	1	Gravity Main	15	1330	79.5	57.9	71.9	55.4	0.190	1.82	1.26	69	0.7
384-164-EN001	382-164-EN002	1	Gravity Main	15	1640	71.9	55.4	74.0	52.2	0.190	1.82	1.55	85	0.7
382-164-EN002	382-164-EN001	1	Gravity Main	18	1000	74.0	52.0	66.6	50.4	0.160	2.72	1.75	64	0.7
382-164-EN001	380-164-EN001	1	Gravity Main	18	1450	66.6	50.4	66.3	48.1	0.160	2.72	2.32	85	0.8
380-164-EN001	380-161-EN003	1	Gravity Main	18	1335	66.3	48.1	67.9	45.9	0.160	2.71	2.61	96	0.8
380-161-EN003	380-161-EN002	1	Gravity Main	21	1413	67.9	45.7	65.2	43.8	0.130	3.70	2.85	77	0.7
380-161-EN002	380-161-EN001	1	Gravity Main	21	748	65.2	43.7	65.3	42.8	0.130	3.69	3.06	83	0.7
380-161-EN001	378-158-EN005	1	Gravity Main	21	824	65.3	42.8	59.9	41.7	0.130	3.69	3.30	89	0.7
378-158-EN005	378-158-EN004	1	Gravity Main	21	1148	59.9	41.6	62.6	40.1	0.130	3.71	3.38	91	0.7
378-158-EN004	378-158-EN003	1	Gravity Main	21	500	62.6	40.1	61.8	32.3	1.560	12.82	3.38	26	1.0
386-158-EN001	386-158-EN002	1	Gravity Main	12	48	64.9	27.1	63.0	27.0	0.240	1.13	1.40	100	0.8
386-158-EN002	384-158-EN004	1	Pump									1.40		0.0
384-158-EN004	384-158-EN003	1	Force Main	8	240	62.9	27.0	64.0	44.7	-7.400		1.40		1.0
384-158-EN003	384-158-EN001	1	Gravity Main	15	1216	64.0	43.4	62.0	41.4	0.170	1.72	1.40	81	0.7
384-158-EN001	382-158-EN003	1	Gravity Main	18	1645	62.0	41.1	56.0	37.7	0.210	3.10	2.36	76	0.8
382-158-EN003	382-158-EN002	1	Gravity Main	21	950	56.0	37.7	59.4	35.7	0.210	4.67	3.38	72	0.8
382-158-EN002	382-158-EN001	1	Gravity Main	21	290	59.4	35.7	59.9	35.4	0.130	3.66	3.37	92	0.8
382-158-EN001	380-158-EN001	1	Gravity Main	21	720	59.9	35.3	60.7	34.3	0.130	3.70	3.37	91	0.8
380-158-EN001	378-158-EN003	1	Gravity Main	24	1854	60.7	34.3	61.8	32.3	0.110	4.85	4.07	84	0.9
378-158-EN003	378-158-EN002	1	Gravity Main	27	200	61.8	32.3	62.0	32.0	0.120	6.94	7.41	100	0.8
378-158-EN002	378-158-EN001	1	Gravity Main	27	500	62.0	31.9	58.3	31.3	0.120	6.94	7.41	100	0.8
378-158-EN001	378-158-INT002	1	Gravity Main	27	700	58.3	31.2	60.0	28.2	0.430	13.21	7.41	56	0.5
378-158-EN008	378-158-EN006	1	Gravity Main	12	434	54.0	25.1	56.0	24.1	0.240	1.13	1.02	90	0.7
378-158-EN006	378-158-EN011	1	Gravity Main	27	42	56.0	23.0	56.0	22.9	0.100	6.34	1.93	30	0.8
378-158-EN011	378-158-INT002	1	Gravity Main	27	317	56.0	22.9	60.0	22.6	0.100	6.34	1.93	30	0.9
386-155-EN002	386-152-EN002	1	Gravity Main	15	1293	51.0	24.1	50.0	21.8	0.180	1.77	1.10	62	0.8
386-152-EN002	386-152-EN001	1	Gravity Main	15	1384	50.0	21.8	42.6	17.9	0.280	2.23	2.00	90	0.8
386-152-EN001	386-149-EN001	1	Gravity Main	15	793	42.6	17.9	41.3	15.6	0.280	2.23	2.03	91	1.0
386-149-EN001	384-152-EN001	1	Gravity Main	18	1120	41.3	15.6	42.5	14.0	0.140	2.54	2.43	96	0.8
384-152-EN001	382-152-EN002	1	Gravity Main	18	1252	42.5	14.0	42.3	12.3	0.140	2.54	2.42	95	0.8
382-152-EN002	382-152-EN005	1	Gravity Main	21	1036	42.3	12.3	42.3	11.0	0.120	3.55	3.03	85	0.7
382-152-EN005	382-152-EN004	1	Pump									3.03		0.0
382-152-EN004	382-152-EN003	1	Force Main	12	20	42.3	11.0	42.3	26.5	-75.910		3.03		1.0
382-152-EN003	382-152-EN001	1	Gravity Main	21	278	42.3	24.8	41.9	24.4	0.120	3.55	3.03	85	0.7
382-152-EN001	382-152-EN006	1	Gravity Main	21	691	41.9	24.4	47.5	23.6	0.120	3.55	3.03	85	0.8
382-152-EN006	380-152-EN001	2	Gravity Main	24	1822	47.5	23.6	48.0	21.6	0.110	4.85	4.12	85	0.7
380-152-EN001	378-152-EN001	2	Gravity Main	24	1491	48.0	21.6	46.3	19.9	0.110	4.85	4.12	85	0.7
378-152-EN001	378-155-INT001	3	Gravity Main	24	456	46.3	19.9	50.0	19.4	0.110	4.85	4.20	87	0.7
382-155-EN001	382-152-EN006	1	Gravity Main	12	1607	49.0	28.4	47.5	24.6	0.240	1.13	1.10	97	0.9



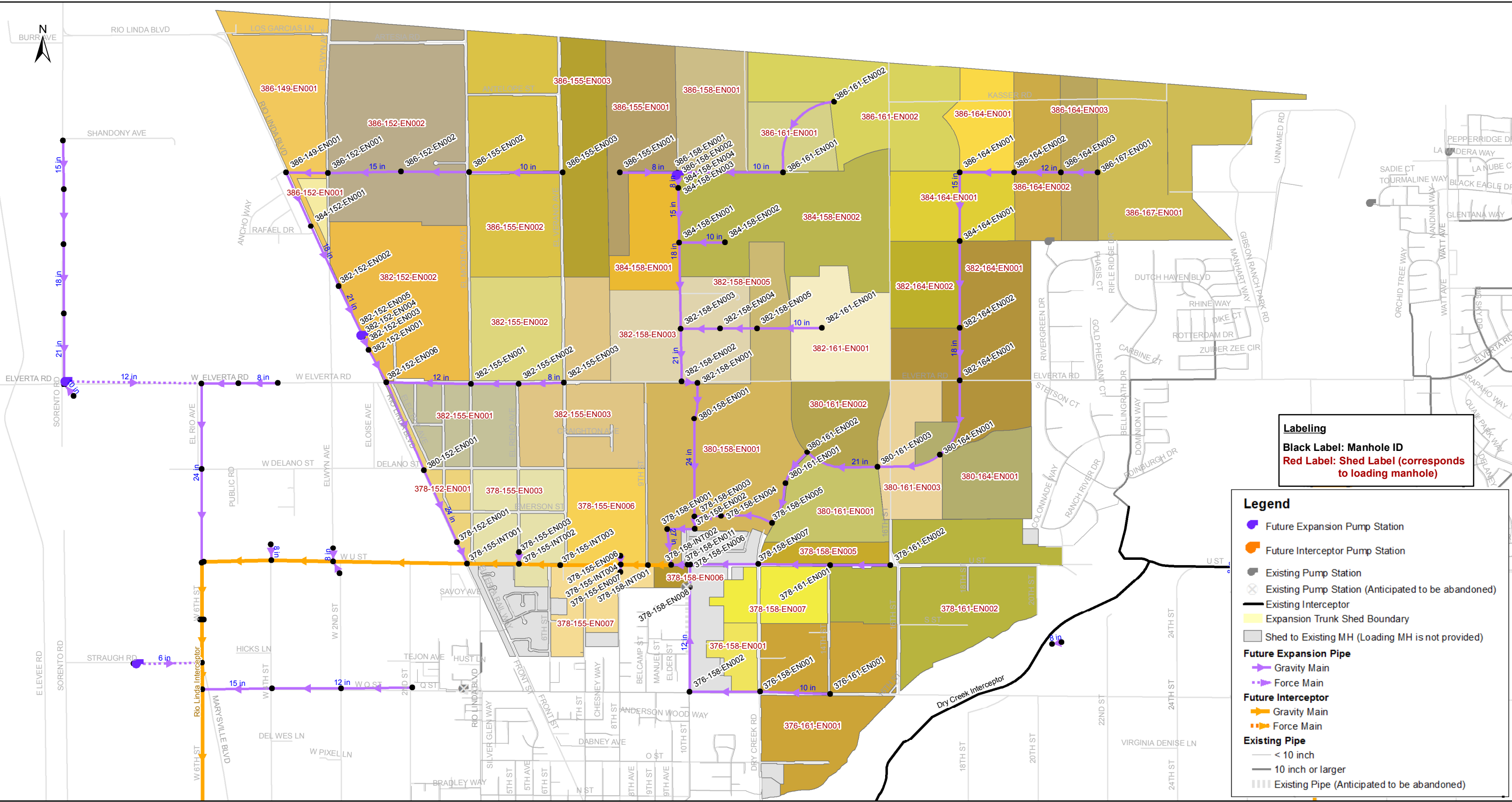
2010 SASD SYSTEM CAPACITY PLAN

**UN Elverta
Buildout Expansion Plan**

FIGURE A.17-1

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)




SACRAMENTO AREA SEWER DISTRICT
2010 SASD SYSTEM CAPACITY PLAN
UN Elverta
Sewer Shed Map
Buildout Expansion Plan
FIGURE A.17-2