

## **SASD 2010 SYSTEM CAPACITY PLAN EXPANSION TRUNK SHEDS**

### **BR MATHER EAST TRUNK SHED**

#### **Area Description**

The BR Mather East Trunk Shed generally includes the area bounded by Mather Field to the west, the Folsom South Canal to the east, and Kiefer Boulevard to the south. The northern boundary is located south of the Bradshaw Interceptor in the vicinity of Zinfandel Drive.

#### **Trunk System Facilities**

The trunk shed would be served by a major trunk sewer and three minor trunk sewers. The major trunk follows Eagles Nest Road north to Zinfandel Drive and ultimately connects to the Bradshaw Interceptor at manhole N38-MH0147A.

One of the minor trunks serves the central eastern portion of the shed and the other two minor trunks serve the northwestern area of the shed.

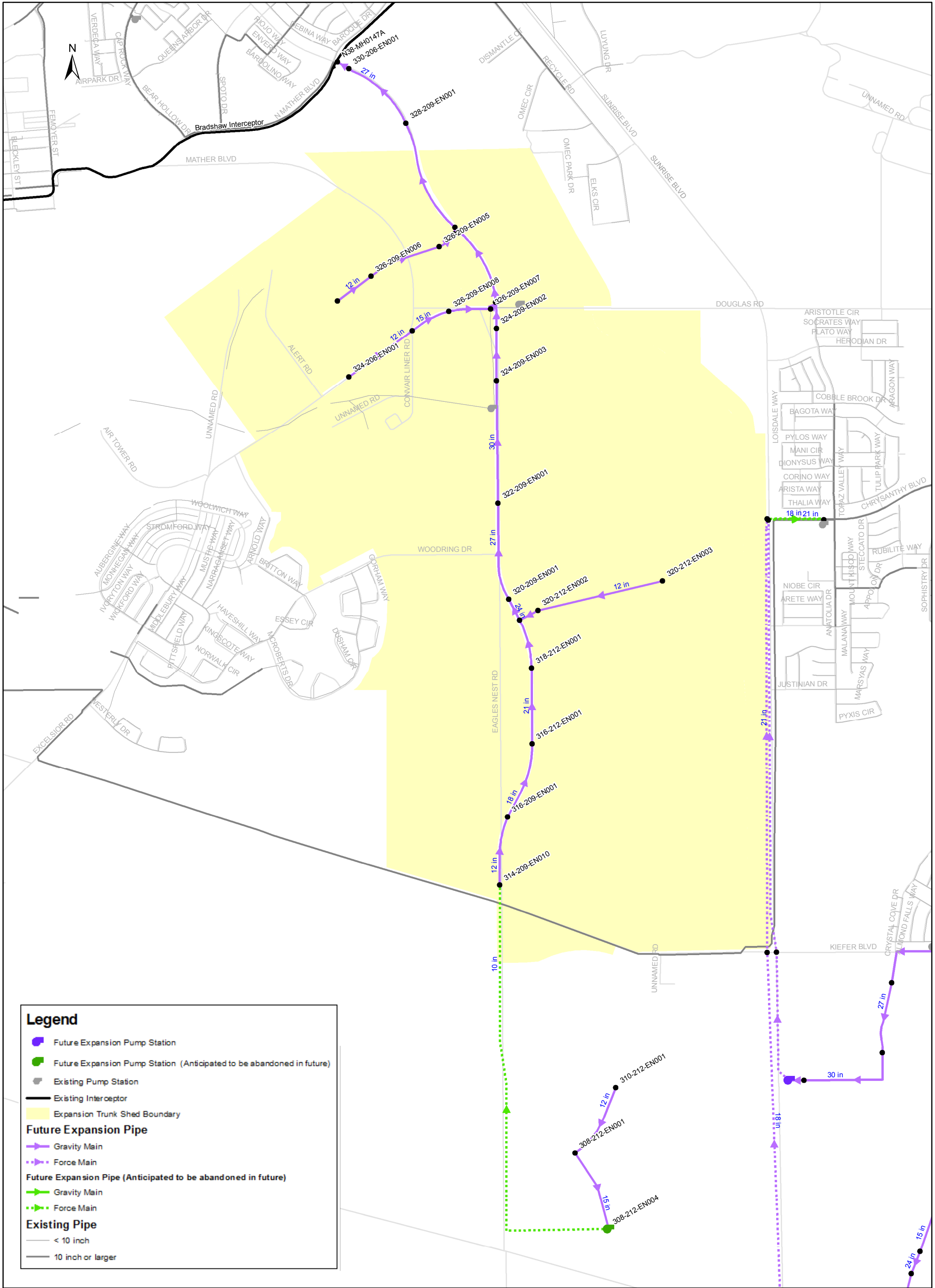
#### **Interim Trunk System Facilities**

The BR Florin Trunk Shed anticipates the need for an interim pump station and forcemain for the northern portion of the shed, north of Jackson Road and south of Kiefer Boulevard. The flow would be pumped north and discharge to the BR Mather East trunk on an interim basis.

The BR Mather East trunk and the interim pump station are anticipated to be needed by 2020.

**BR Mather East  
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
316-209-EN001	316-212-EN001	1	Gravity Main	18	1500	144.0	113.4	151.2	111.3	0.140	2.54	2.04	80	0.7
316-212-EN001	318-212-EN001	1	Gravity Main	21	1453	151.2	111.1	152.7	109.3	0.120	3.55	2.92	82	0.7
318-212-EN001	320-212-EN001	1	Gravity Main	24	954	152.7	109.1	135.7	108.0	0.110	4.85	3.85	79	0.7
320-212-EN001	320-209-EN001	1	Gravity Main	24	451	135.7	107.8	126.7	107.3	0.110	4.85	4.70	97	0.7
320-209-EN001	322-209-EN001	1	Gravity Main	27	1877	126.7	97.3	125.4	95.4	0.100	6.34	5.12	81	0.7
322-209-EN001	324-209-EN003	1	Gravity Main	30	2352	125.4	95.4	130.0	93.0	0.100	8.39	6.60	79	0.7
324-209-EN003	324-209-EN002	1	Gravity Main	30	1000	130.0	93.0	135.8	92.0	0.100	8.39	6.65	79	0.7
324-209-EN002	326-209-EN003	1	Gravity Main	30	500	135.8	92.0	134.0	91.5	0.100	8.39	6.80	81	0.6
326-209-EN003	326-209-EN002	1	Gravity Main	30	386	134.0	80.1	130.6	79.7	0.100	8.39	8.05	96	0.8
326-209-EN002	326-209-EN001	1	Gravity Main	30	1294	130.6	79.7	132.3	78.4	0.100	8.39	8.11	97	0.8
326-209-EN001	328-209-EN001	1	Gravity Main	27	2254	132.3	78.4	120.3	71.9	0.290	10.78	9.60	89	0.7
328-209-EN001	330-206-EN001	1	Gravity Main	27	1544	120.3	71.9	92.8	67.5	0.290	10.78	9.60	89	0.7
330-206-EN001	N38-MH0147A	1	Gravity Main	27	255	92.8	67.5	84.0	66.7	0.290	10.78	9.59	89	0.7
324-209-EN004	326-209-EN008	1	Gravity Main	15	800	125.3	84.5	125.7	83.1	0.180	1.77	1.11	63	0.6
326-209-EN008	326-209-EN007	1	Gravity Main	15	800	125.7	83.1	132.7	81.7	0.180	1.77	1.24	70	0.6
326-209-EN007	326-209-EN003	1	Gravity Main	15	164	132.7	81.7	134.0	81.4	0.180	1.77	1.24	70	0.6

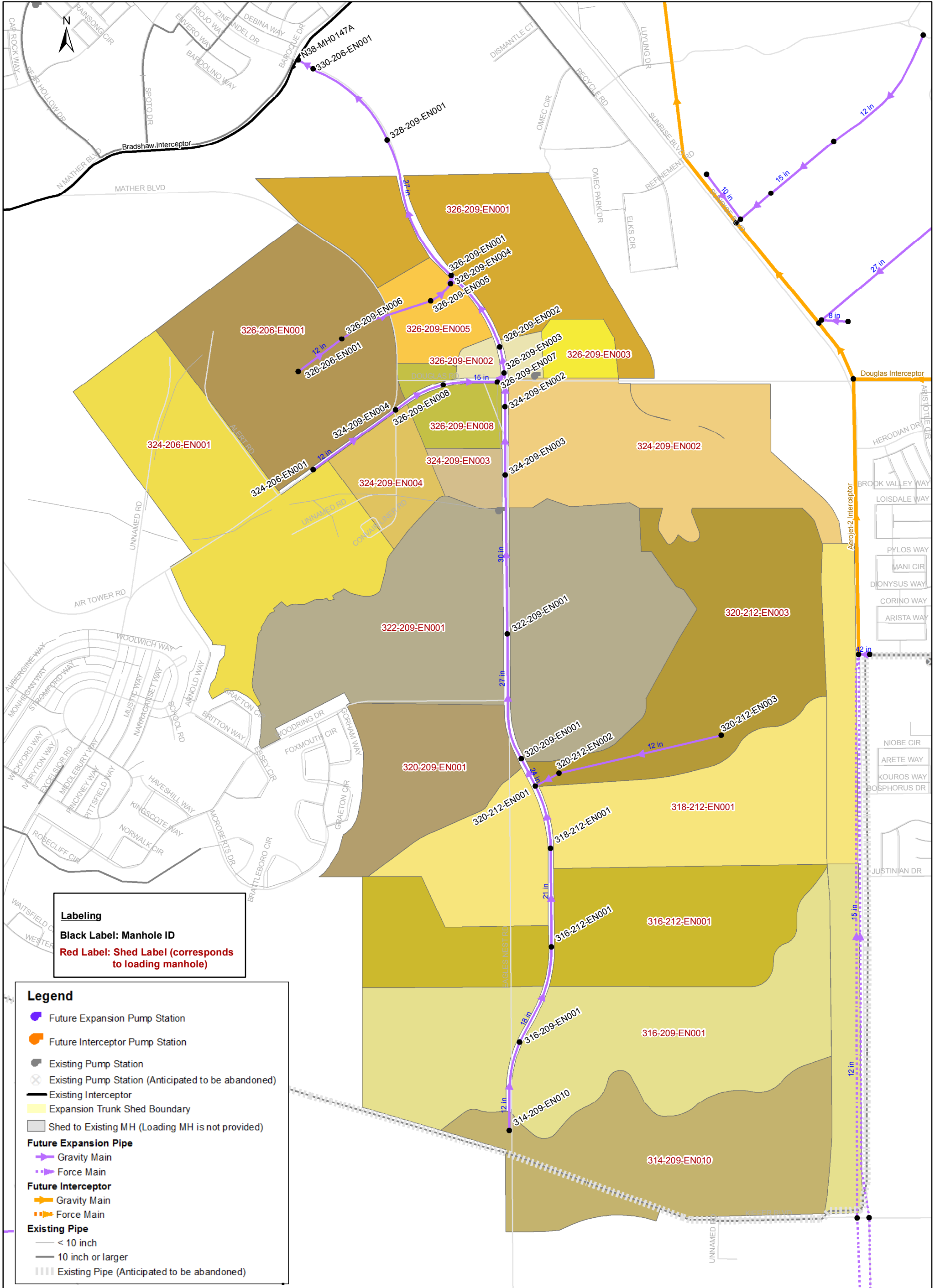


2010 SASD SYSTEM CAPACITY PLAN

BR Mather East  
Year 2020 Expansion Plan

FIGURE A.8-1





**2010 SASD SYSTEM CAPACITY PLAN**

**BR Mather East  
 Sewer Shed Map  
 Buildout Expansion Plan  
 FIGURE A.8-3**