

SASD 2010 SYSTEM CAPACITY PLAN EXPANSION TRUNK SHEDS

BR ELDER CREEK TRUNK SHED

Area Description

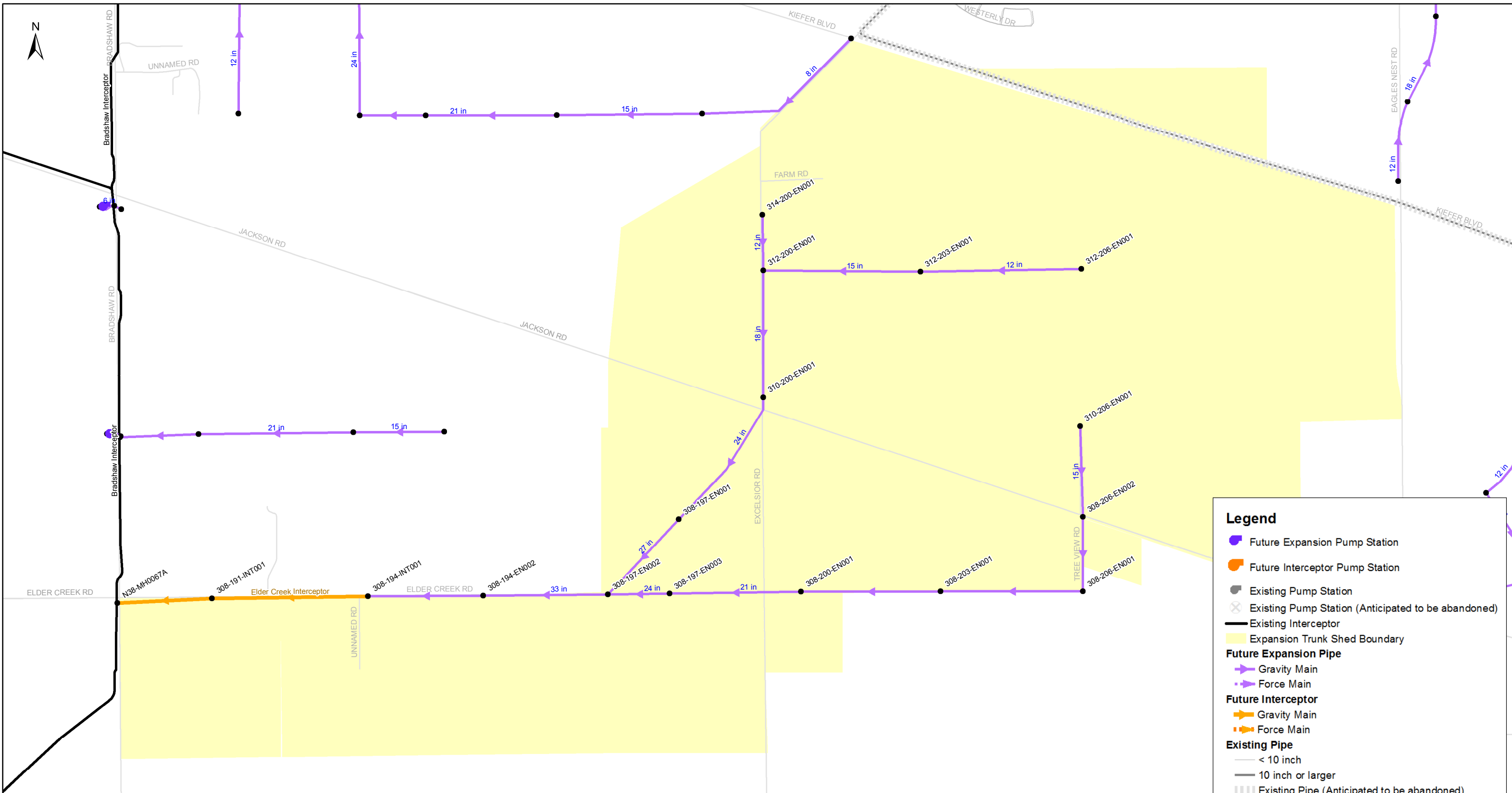
The BR Elder Creek Trunk Shed is located in the Elder Creek watershed north and south of Elder Creek Road between Bradshaw Road and Eagles Nest Road. The trunk shed also extends north of Jackson Road to Kiefer Road.

Trunk System Facilities

The trunk shed would be served by two primary trunk sewers that join together before ultimately connecting to the future Elder Creek Interceptor on Elder Creek Road. One trunk serves the sheds around the Elder Creek (tributary) area and the other trunk serves the area in the vicinity of Elder Creek Road and Tree View Road. They join together on Elder Creek Road and the trunk transitions to interceptor approximately 4,100 feet east of Bradshaw Road. The Elder Creek Interceptor would connect to the Bradshaw Interceptor at manhole N38-MH0067A.

**BR Elder Creek
Trunk Sewer Data and Model Results
Buildout 10-Year Design Storm**

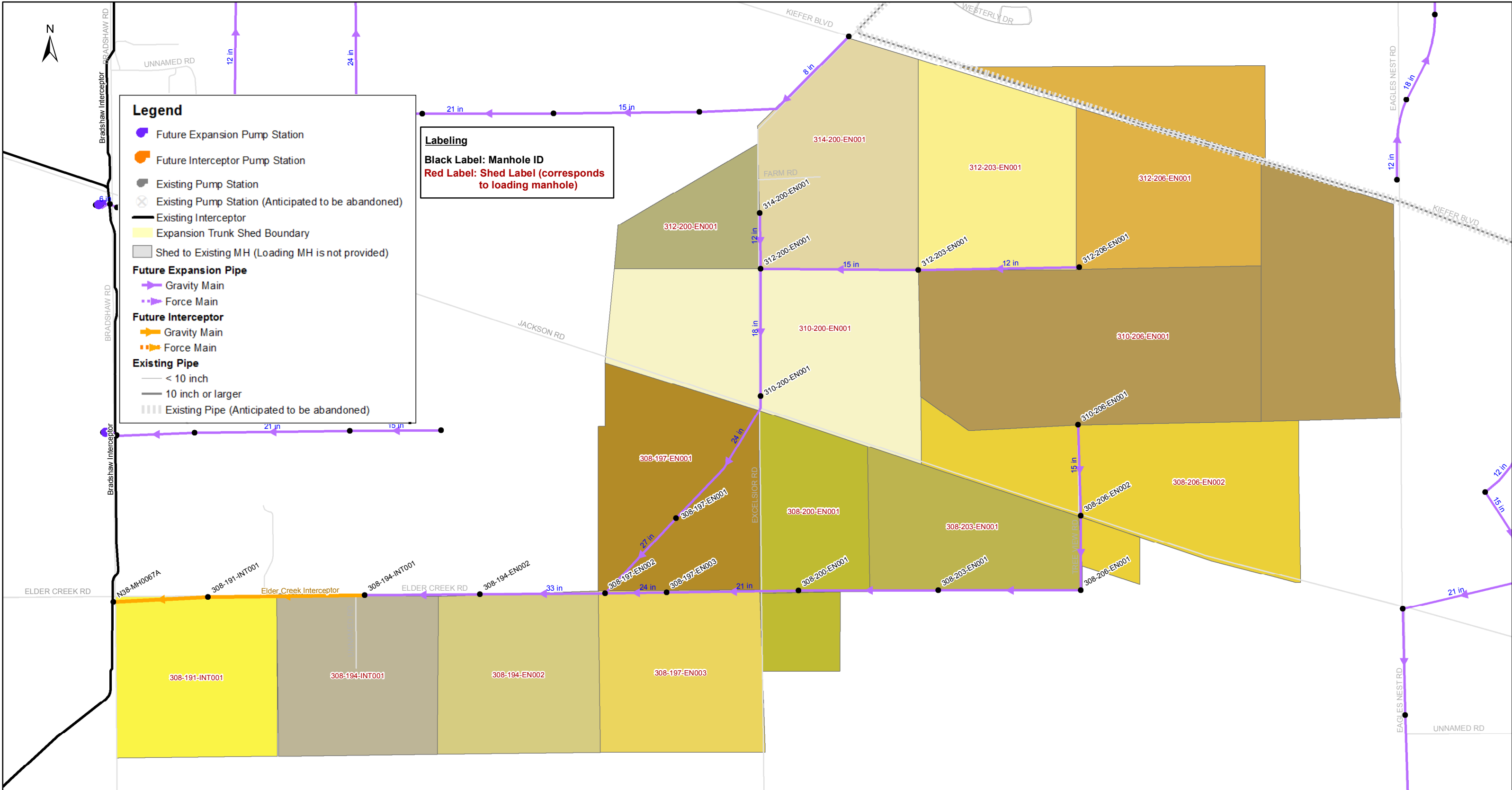
US Manhole	DS Manhole	Link Suffix	Link Type	Diameter (in)	Length (ft)	US Rim Elev. (ft)	US Invert Elev. (ft)	DS Rim Elev. (ft)	DS Invert Elev. (ft)	Slope, %	Full Capacity (mgd)	Peak Flow (mgd)	% Full Capacity	d/D
310-206-EN001	308-206-EN002	1	Gravity Main	15	1491	128.0	94.7	126.0	91.6	0.210	1.92	1.36	71	0.6
308-206-EN002	308-206-EN001	1	Gravity Main	21	1226	126.0	91.1	130.7	89.6	0.120	3.55	2.42	68	0.6
308-206-EN001	308-203-EN001	1	Gravity Main	21	2339	130.7	89.6	116.0	86.8	0.120	3.55	2.42	68	0.7
308-203-EN001	308-200-EN001	1	Gravity Main	21	2295	116.0	86.8	119.9	84.0	0.120	3.55	2.99	84	0.7
308-200-EN001	308-197-EN003	1	Gravity Main	21	2163	119.9	74.1	88.5	71.6	0.120	3.55	3.59	100	0.9
308-197-EN003	308-197-EN002	1	Gravity Main	24	1015	88.5	63.3	80.0	62.2	0.110	4.85	4.21	87	0.7
308-197-EN002	308-194-EN002	1	Gravity Main	33	2051	80.0	54.3	78.0	52.2	0.100	10.82	8.95	83	0.7
308-194-EN002	308-194-INT001	1	Gravity Main	33	1896	78.0	52.2	70.0	50.3	0.100	10.82	9.57	88	0.7
312-203-EN001	312-200-EN001	1	Gravity Main	15	2588	100.0	79.5	90.0	74.8	0.180	1.77	1.74	98	0.9
312-200-EN001	310-200-EN001	1	Gravity Main	18	2087	90.0	63.9	88.6	59.5	0.210	3.13	2.84	91	0.8
310-200-EN001	308-197-EN001	1	Gravity Main	24	2492	88.6	59.0	82.1	56.2	0.110	4.85	3.97	82	0.7
308-197-EN001	308-197-EN002	1	Gravity Main	27	1696	82.1	56.0	80.0	54.3	0.100	6.34	4.76	75	0.9



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 Elder Creek
Buildout Expansion Plan
FIGURE A.4-1




2010 SASD SYSTEM CAPACITY PLAN
BR Elder Creek
Sewer Shed Map
Buildout Expansion Plan
FIGURE A.4-2