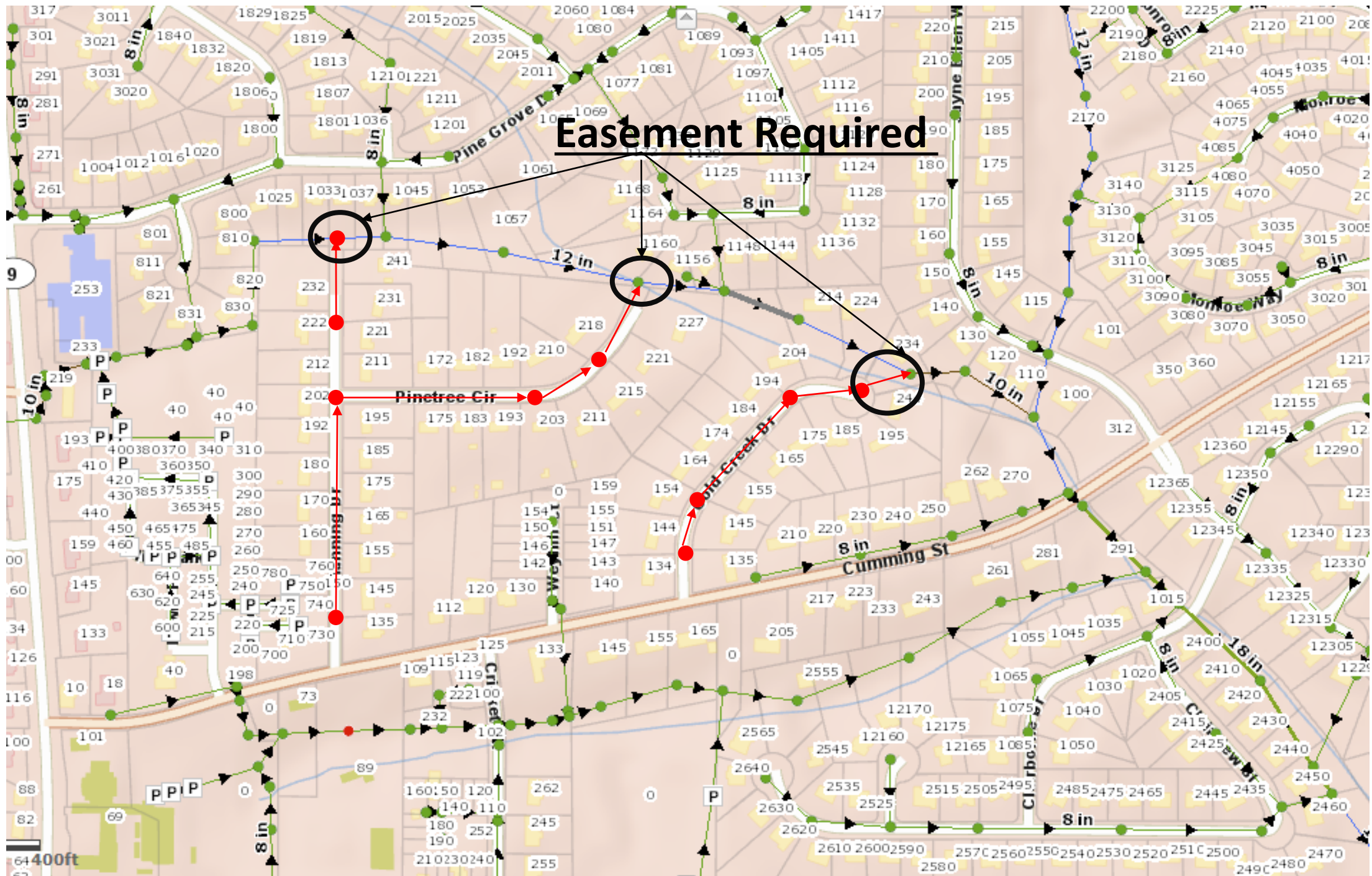
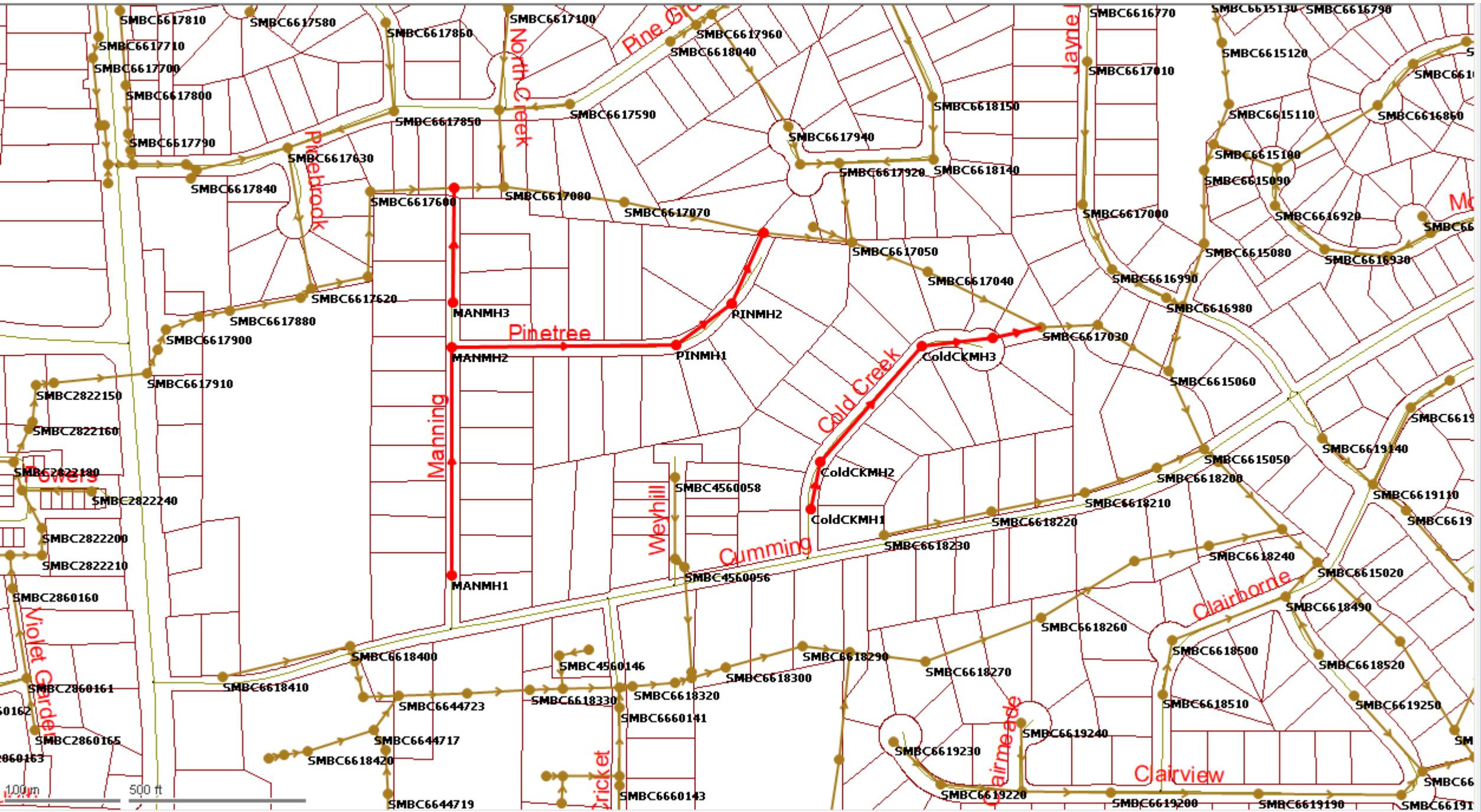


Easement Required

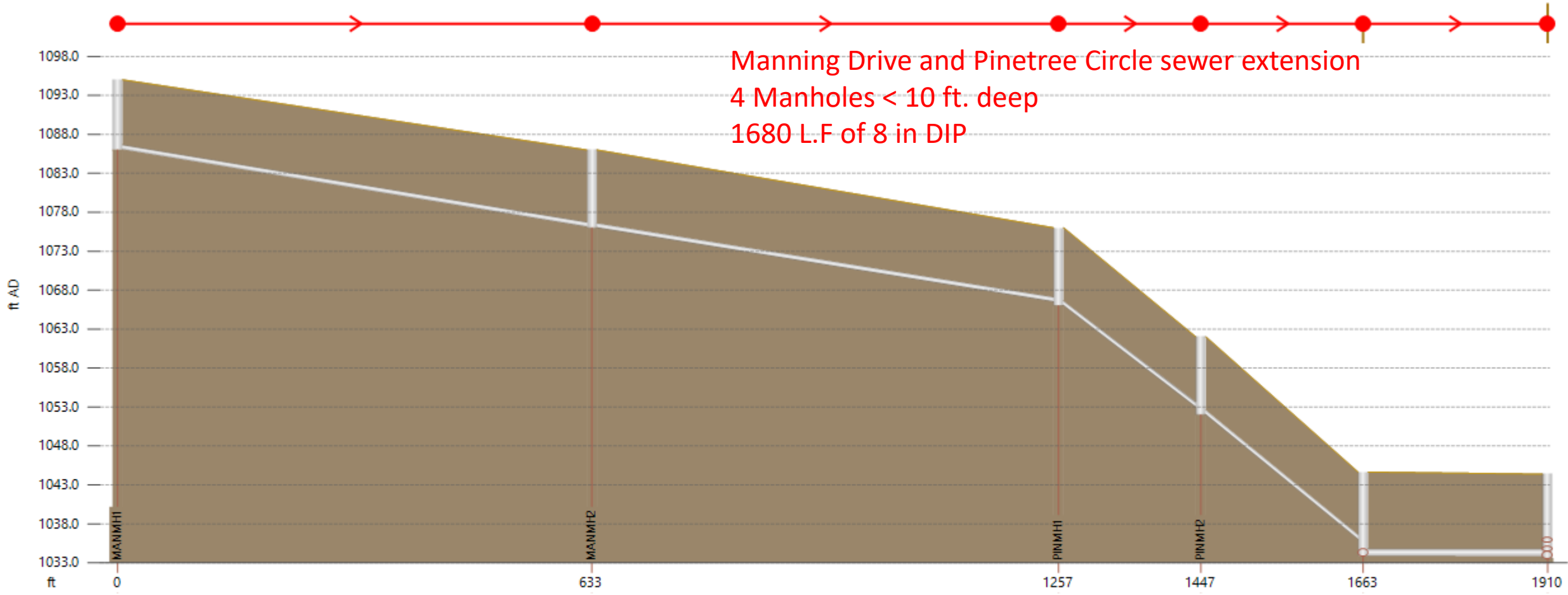


400ft

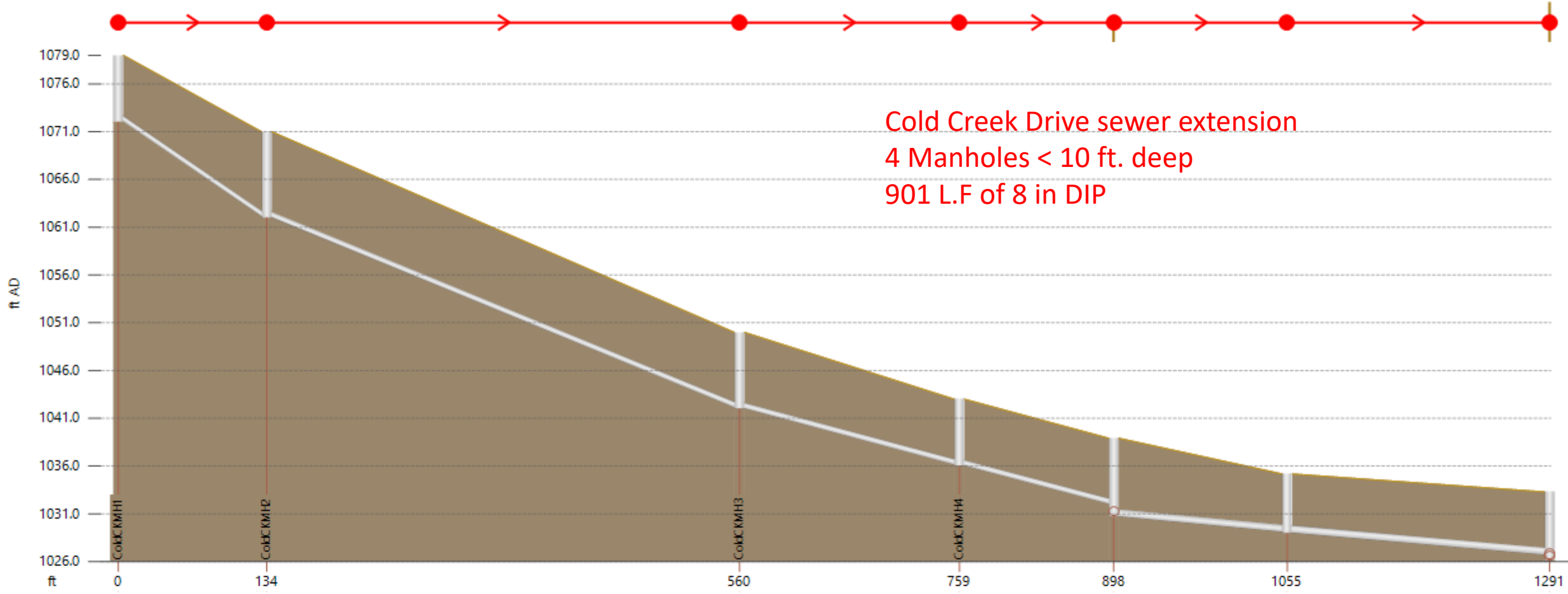
Sewer Extension Manning Dr., Pinetree Circle and Cold Creek Dr.



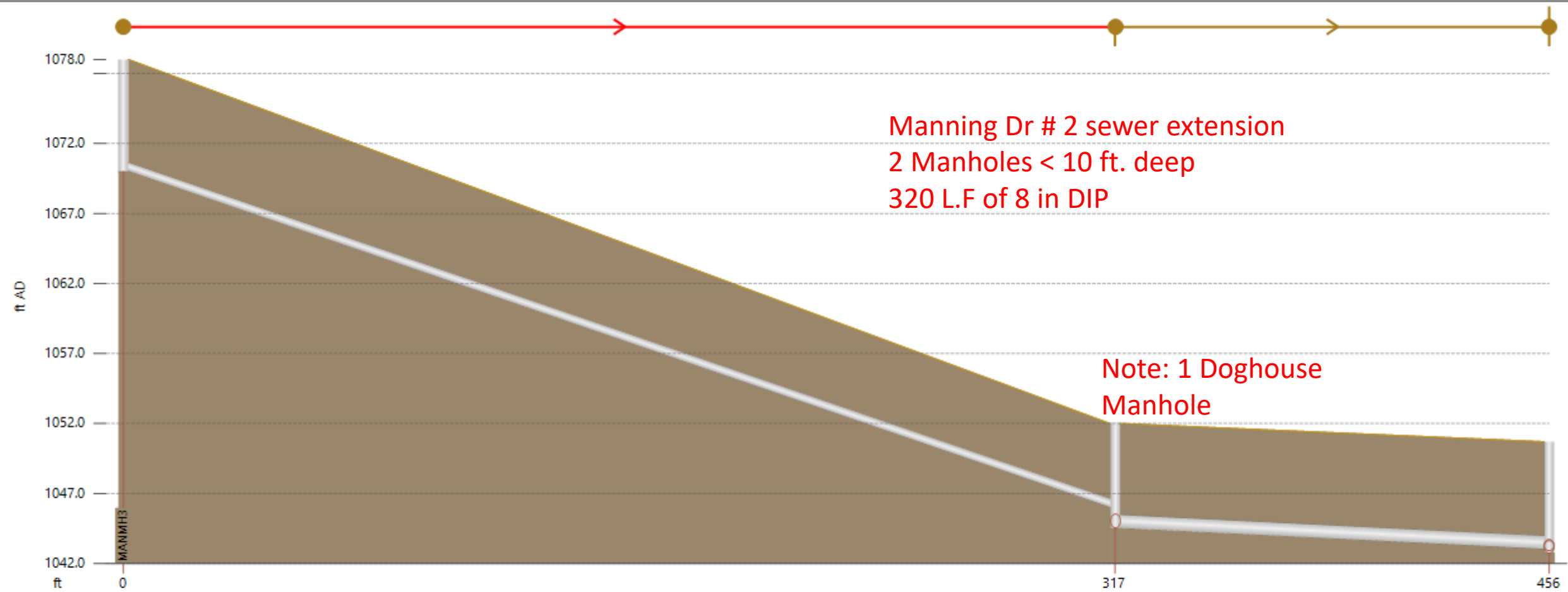
Manning Drive and Pinetree Circle sewer extension
 4 Manholes < 10 ft. deep
 1680 L.F of 8 in DIP



Link sewer length (ft)	MANMH1.1		MANMH2.1		PINMH1.1		PINMH2.1		SMBC6617060.1	
width (in)	8.0		8.0		8.0		8.0		12.0	
us inv (ft AD)	1086.000		1076.000		1066.000		1052.000		1033.827	
ds inv (ft AD)	1076.100		1066.500		1053.000		1036.000		1033.785	
grad (%)	1.563		1.524		4.738		7.384		0.017	
pfc (MGD)	0.85		0.84		1.47		1.84		0.26	
Node	MANMH1		MANMH2		PINMH1		PINMH2		SMBC6617060	-
Node ID	MANMH1		MANMH2		PINMH1		PINMH2		SMBC6617060	-
ground (ft AD)	1095.000		1086.000		1076.000		1062.000		1044.647	1044.385



Link sewer	ColdCKMH1.1		ColdCKMH2.1		ColdCKMH3.1		ColdCKMH4.1		SMBC6617030.1		SMBC6617020.1	
length (ft)	133.8		426.5		198.4		139.1		156.7		236.7	
width (in)	8.0		8.0		8.0		8.0		10.0		10.0	
us inv (ft AD)	1072.000		1062.000		1042.000		1036.000		1030.697		1028.983	
ds inv (ft AD)	1062.100		1042.100		1036.100		1032.000		1029.083		1026.679	
grad (%)	7.397		4.665		2.974		2.875		1.030		0.973	
pfc (MGD)	1.84		1.46		1.17		1.15		1.25		1.21	
Node	-	ColdCKMH2		ColdCKMH3		ColdCKMH4		SMBC6617030		SMBC6617020		SMBC6615060
Node ID	-	ColdCKMH2		ColdCKMH3		ColdCKMH4		SMBC6617030		SMBC6617020		SMBC6615060
ground (ft AD)	1079.000	1071.000		1050.000		1043.000		1038.917		1035.183		1033.304



Link sewer length (ft)	317.1		138.9	
width (in)	8.0		12.0	
us inv (ft AD)	1070.000		1044.506	
ds inv (ft AD)	1046.000		1043.011	
grad (%)	7.095		1.077	
pfc (MGD)	1.80		2.07	
Node	MANMH3		MANMH4	SMBC6617080
Node ID	MANMH3		MANMH4	SMBC6617080
ground (ft AD)	1078.000		1052.000	1050.702