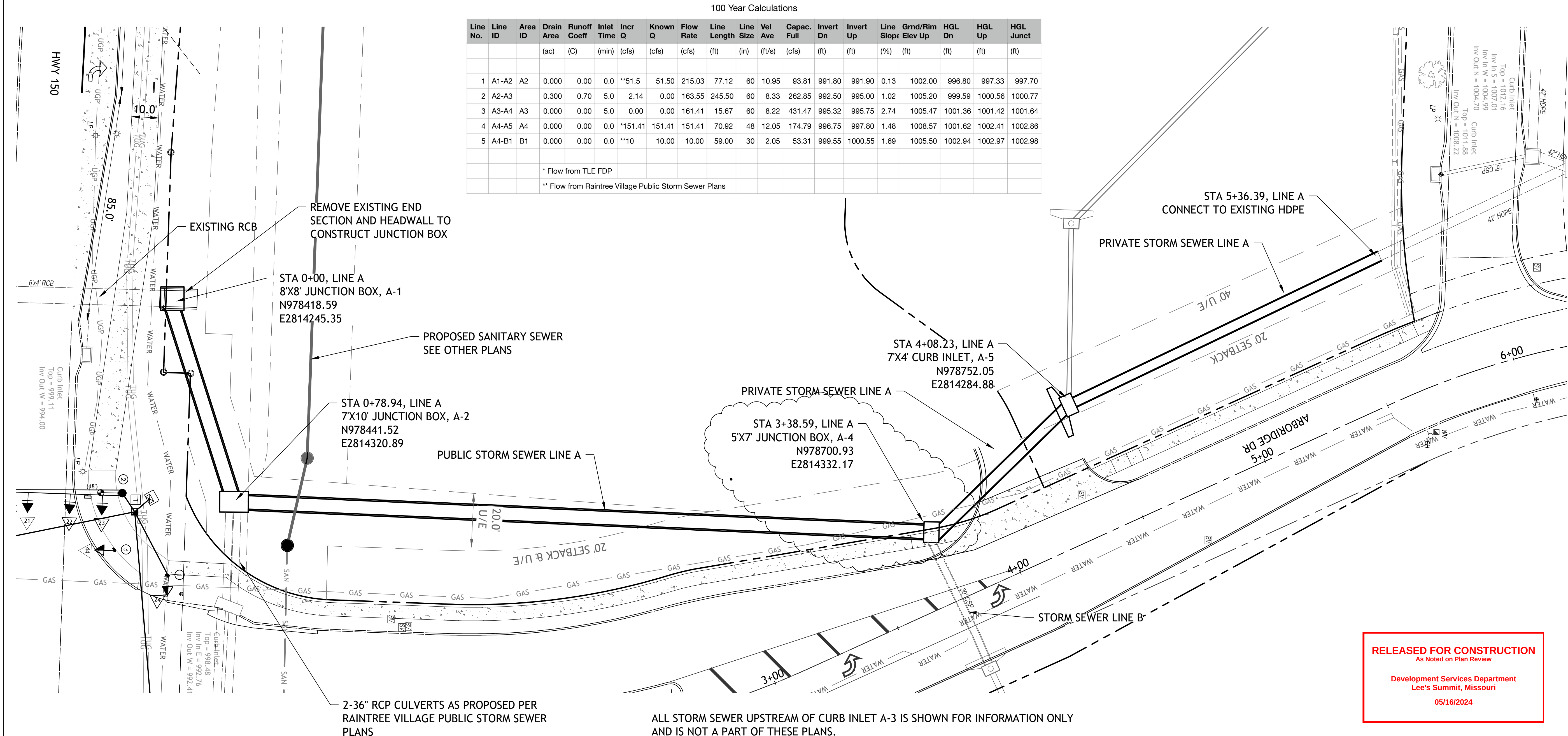
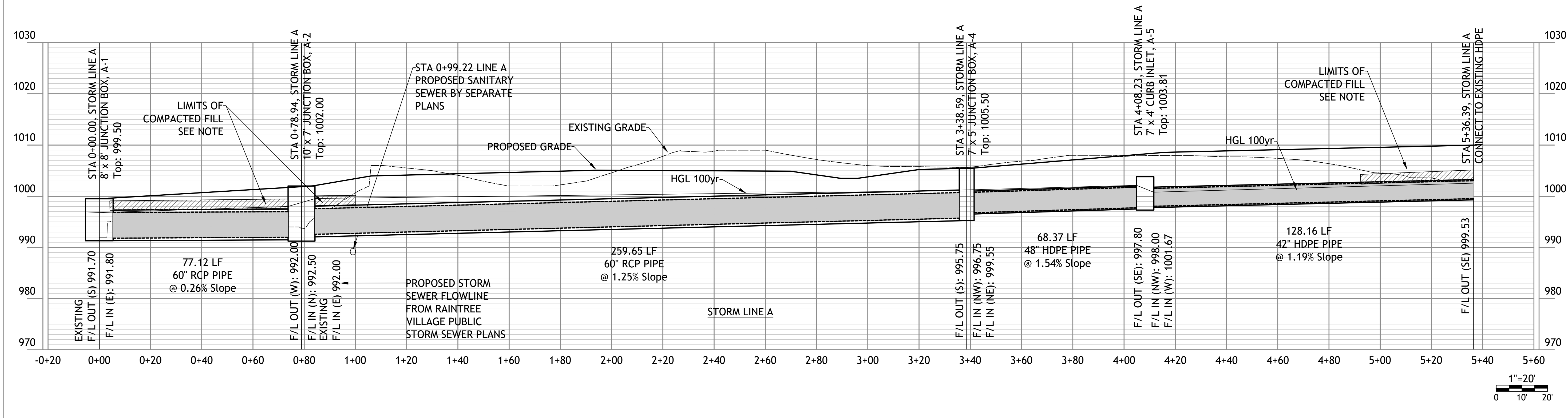




100 Year Calculations																			
Line No.	Line ID	Area ID	Drain Area	Runoff Coeff	Inlet Time	Incr Q	Known Q	Flow Rate	Line Length	Line Size	Vel Ave	Capac. Full	Invert Dn	Invert Up	Line Slope	Grnd/Rim Elev Up	HGL Dn	HGL Up	HGL Junct
			(ac)	(C)	(min)	(cfs)	(cfs)	(cfs)	(ft)	(in)	(ft/s)	(cfs)	(ft)	(ft)	(%)	(ft)	(ft)	(ft)	(ft)
1	A1-A2	A2	0.000	0.00	0.0	**51.5	51.50	215.03	77.12	60	10.95	93.81	991.80	991.90	0.13	1002.00	996.80	997.33	997.70
2	A2-A3		0.300	0.70	5.0	2.14	0.00	163.55	245.50	60	8.33	262.85	992.50	995.00	1.02	1005.20	999.59	1000.56	1000.77
3	A3-A4	A3	0.000	0.00	5.0	0.00	0.00	161.41	15.67	60	8.22	431.47	995.32	995.75	2.74	1005.47	1001.36	1001.42	1001.64
4	A4-A5	A4	0.000	0.00	0.0	*151.41	151.41	151.41	70.92	48	12.05	174.79	996.75	997.80	1.48	1008.57	1001.62	1002.41	1002.86
5	A4-B1	B1	0.000	0.00	0.0	**10	10.00	10.00	59.00	30	2.05	53.31	999.55	1000.55	1.69	1005.50	1002.94	1002.97	1002.98
			* Flow from TLE FDP																
			** Flow from Raintree Village Public Storm Sewer Plans																



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Revisions
8-29-23 CITY COMMENTS
10-3-23 CITY COMMENTS
10-25-23 CITY COMMENTS
11-3-23 CITY COMMENTS
2-21-24 CITY COMMENTS
5-14-24 STORM LINE A

ARBORIDGE DRIVE
IMPROVEMENTS
LEES SUMMITT, MO.

sheet
C7.0
Civil
STORM LINE A
PLAN AND PROFILE
18 JULY 2023