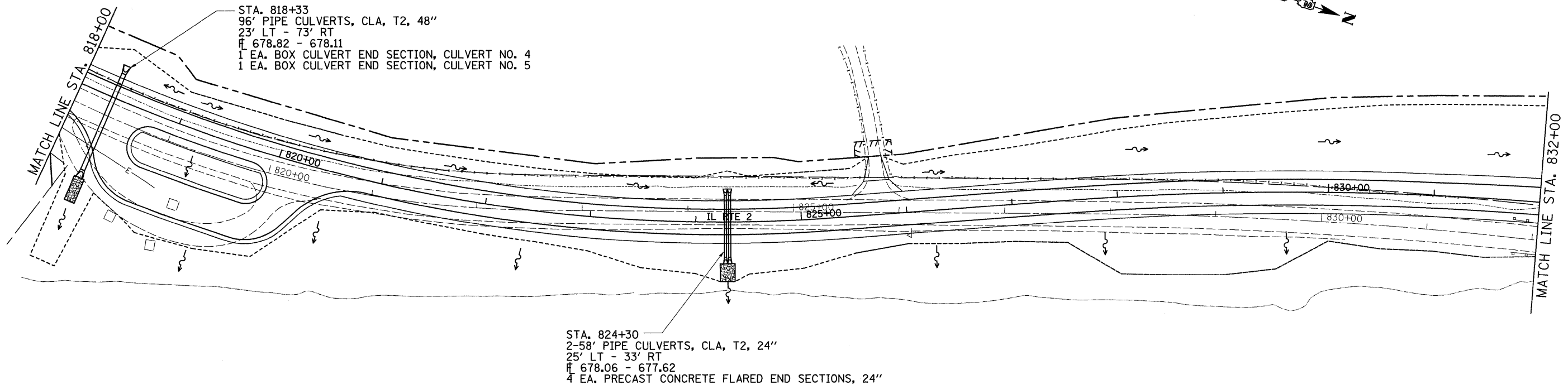


DRAINAGE DETAILS

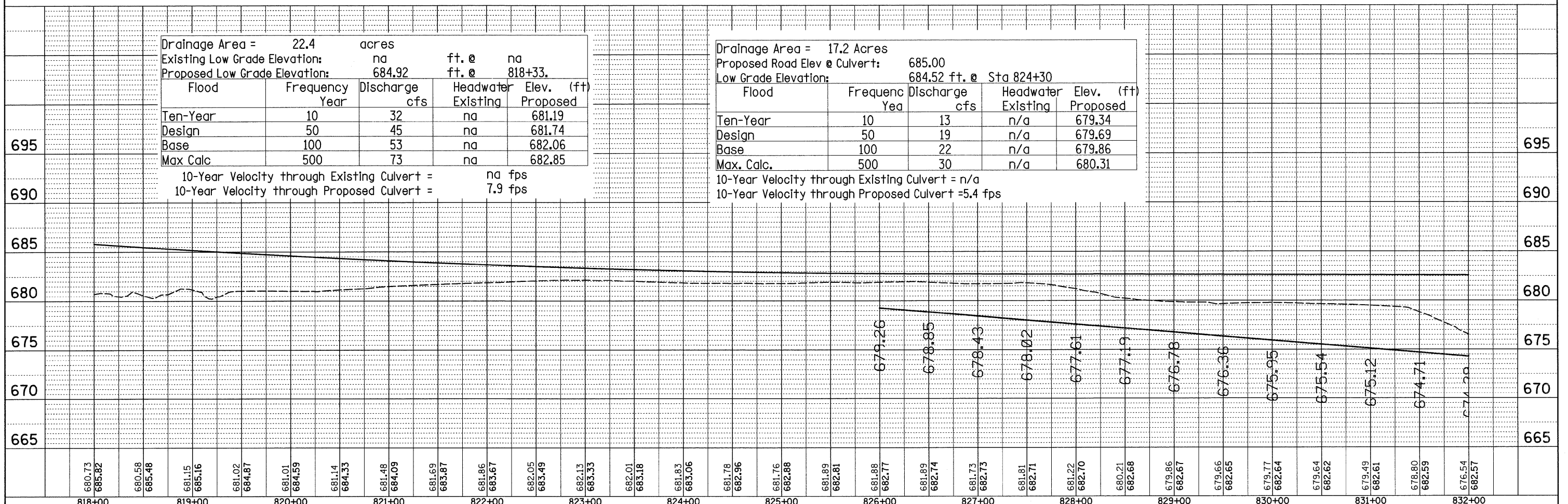


Drainage Area = 22.4 acres				
Existing Low Grade Elevation: na ft. @ na				
Proposed Low Grade Elevation: 684.92 ft. @ 818+33.				
Flood	Frequency Year	Discharge cfs	Headwater Existing	Elev. (ft) Proposed
Ten-Year	10	32	na	681.19
Design	50	45	na	681.74
Base	100	53	na	682.06
Max Calc	500	73	na	682.85

10-Year Velocity through Existing Culvert = na fps
 10-Year Velocity through Proposed Culvert = 7.9 fps

Drainage Area = 17.2 Acres				
Proposed Road Elev @ Culvert: 685.00				
Low Grade Elevation: 684.52 ft. @ Sta 824+30				
Flood	Frequency Year	Discharge cfs	Headwater Existing	Elev. (ft) Proposed
Ten-Year	10	13	n/a	679.34
Design	50	19	n/a	679.69
Base	100	22	n/a	679.86
Max. Calc.	500	30	n/a	680.31

10-Year Velocity through Existing Culvert = n/a
 10-Year Velocity through Proposed Culvert = 5.4 fps



PLAN	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	RT. OF WAY CHECKED	
	NO. _____	
	DATE _____	
	BY _____	
	NO. _____	
	DATE _____	
	BY _____	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	BAR NOTED	
	STRUCTURE NOTATIONS OK'D	
	NO. _____	
	DATE _____	
	BY _____	
	NO. _____	
	DATE _____	
	BY _____	