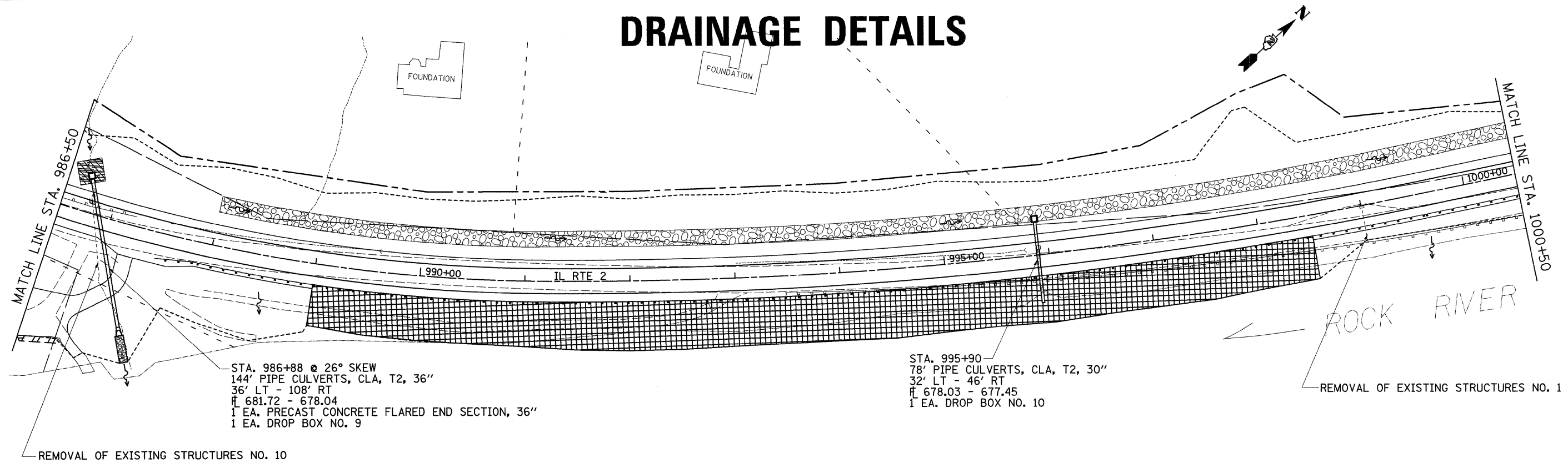


# DRAINAGE DETAILS



STA. 986+88 @ 26° SKEW  
 144' PIPE CULVERTS, CLA, T2, 36"  
 36' LT - 108' RT  
 H 681.72 - 678.04  
 1 EA. PRECAST CONCRETE FLARED END SECTION, 36"  
 1 EA. DROP BOX NO. 9

STA. 995+90  
 78' PIPE CULVERTS, CLA, T2, 30"  
 32' LT - 46' RT  
 H 678.03 - 677.45  
 1 EA. DROP BOX NO. 10

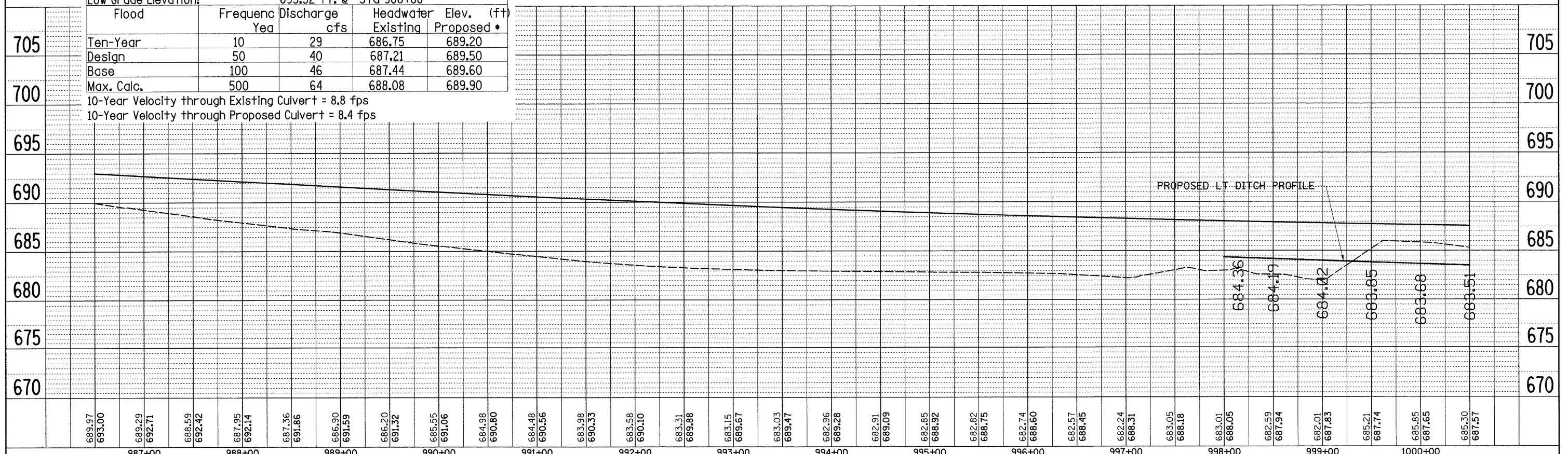
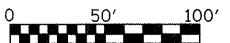
REMOVAL OF EXISTING STRUCTURES NO. 1

REMOVAL OF EXISTING STRUCTURES NO. 10

Drainage Area = 26.3 Acres  
 Proposed Road Elev @ Culvert: 693.80 ft.  
 Low Grade Elevation: 693.32 ft. @ Sta 986+88

Flood	Frequenc Year	Discharge cfs	Headwater Elev. (ft)	
			Existing	Proposed *
Ten-Year Design	10	29	686.75	689.20
Base	100	46	687.44	689.60
Max. Calc.	500	64	688.08	689.90

10-Year Velocity through Existing Culvert = 8.8 fps  
 10-Year Velocity through Proposed Culvert = 8.4 fps



FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b>	<b>DRAINAGE DETAILS</b>
ca:\pwwork\KPIDOT\CUSHMANBW\dms31213\086208.dwg		DRAWN -	REVISED -	<b>DEPARTMENT OF TRANSPORTATION</b>	F.A.P. SECTION COUNTY TOTAL SHEETS SHEET NO. 742 37R-4 OGLE 867 345
		CHECKED -	REVISED -		CONTRACT NO. 64E17
		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
				SCALE:	SHEET NO. OF SHEETS STA. TO STA.

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	CHECKED		
	RT. OF WAY		
	CHECKED		
	NO.		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO.		
	STRUCTURE NOTATION CHRD		