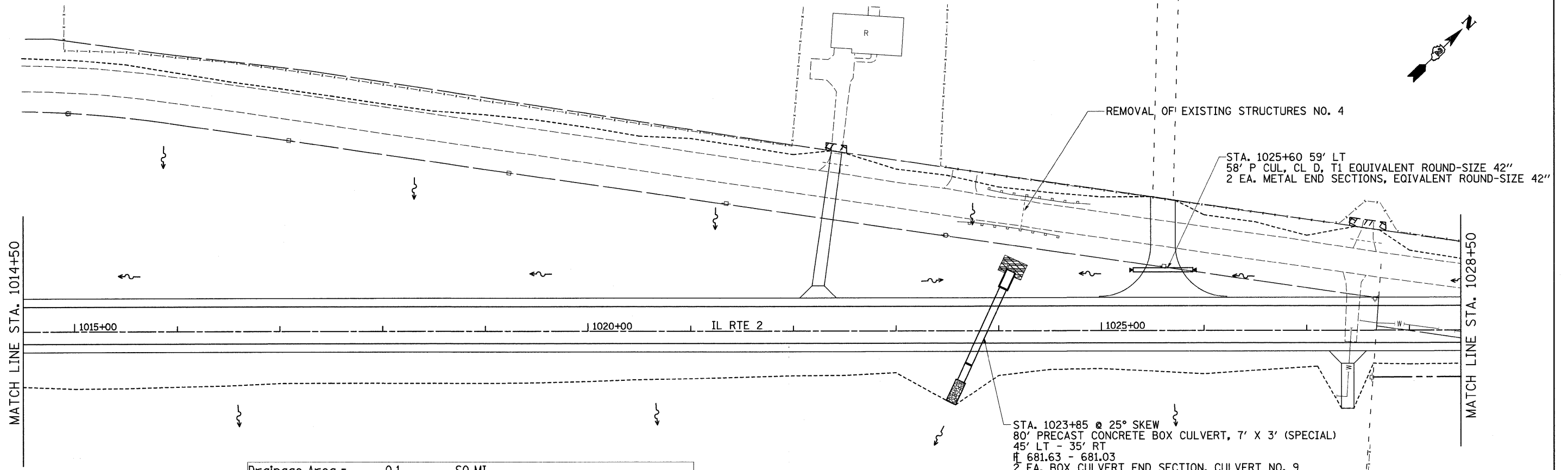
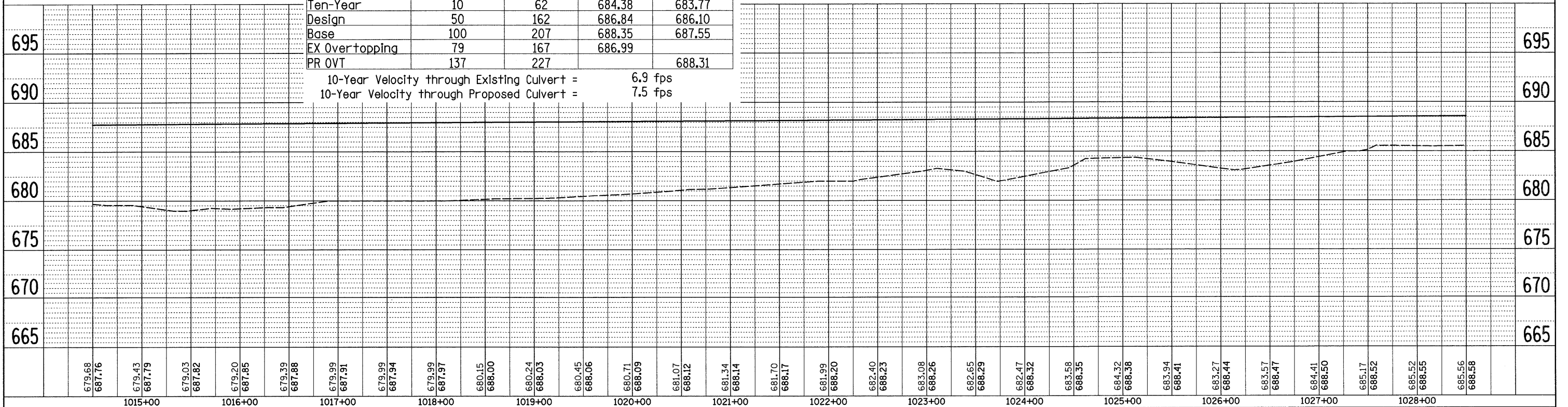


DRAINAGE DETAILS



Drainage Area =		0.1		SQ MI	
Existing Low Grade Elevation:		686.9		ft. @ 1023+87	
Proposed Low Grade Elevation:		688.31		ft. @ 1023+87	
Flood	Frequency Year	Discharge cfs	Headwater Elev. (ft)		
			Existing	Proposed	
Ten-Year Design	10	62	684.38	683.77	
Base	50	162	686.84	686.10	
EX Overtopping	100	207	688.35	687.55	
PR OVT	79	167	686.99		
	137	227		688.31	

10-Year Velocity through Existing Culvert = 6.9 fps
 10-Year Velocity through Proposed Culvert = 7.5 fps



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				DRAINAGE DETAILS				F.A.P. RTE. 742	SECTION 37R-4	COUNTY OGLE	TOTAL SHEETS 867	SHEET NO. 347
CONTRACT NO. 64E17	SCALE:	SHEET NO. OF SHEETS	STA. TO STA.									FED. ROAD DIST. NO. ILLINOIS	FED. AID PROJECT			

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	BY	
	DATE	