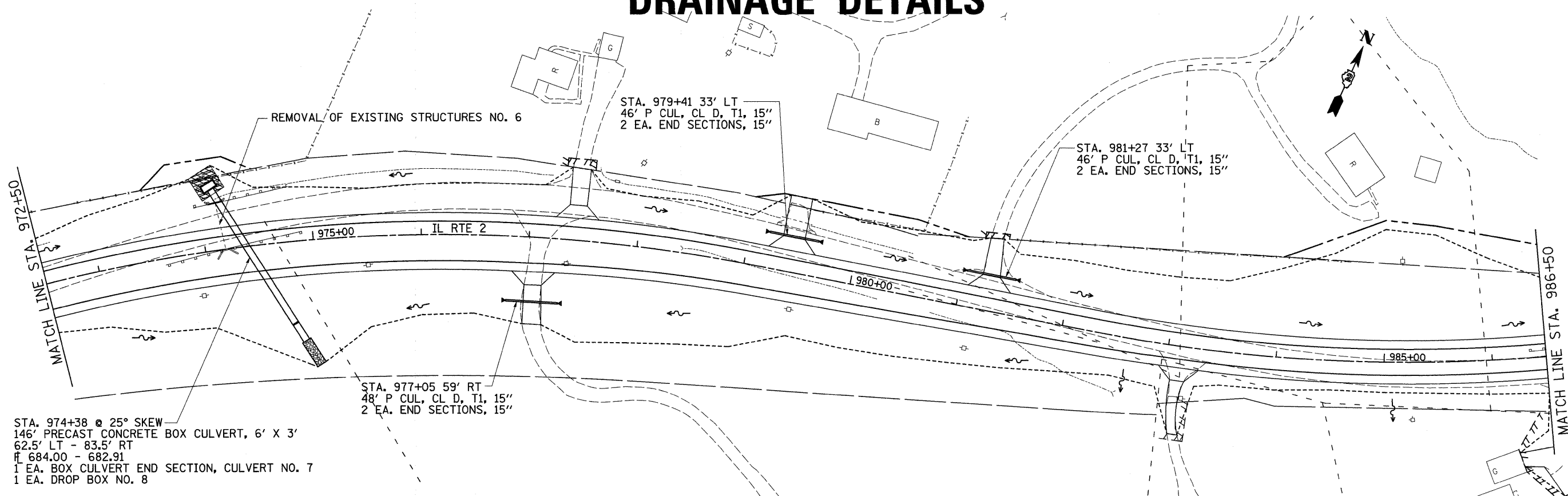


DRAINAGE DETAILS

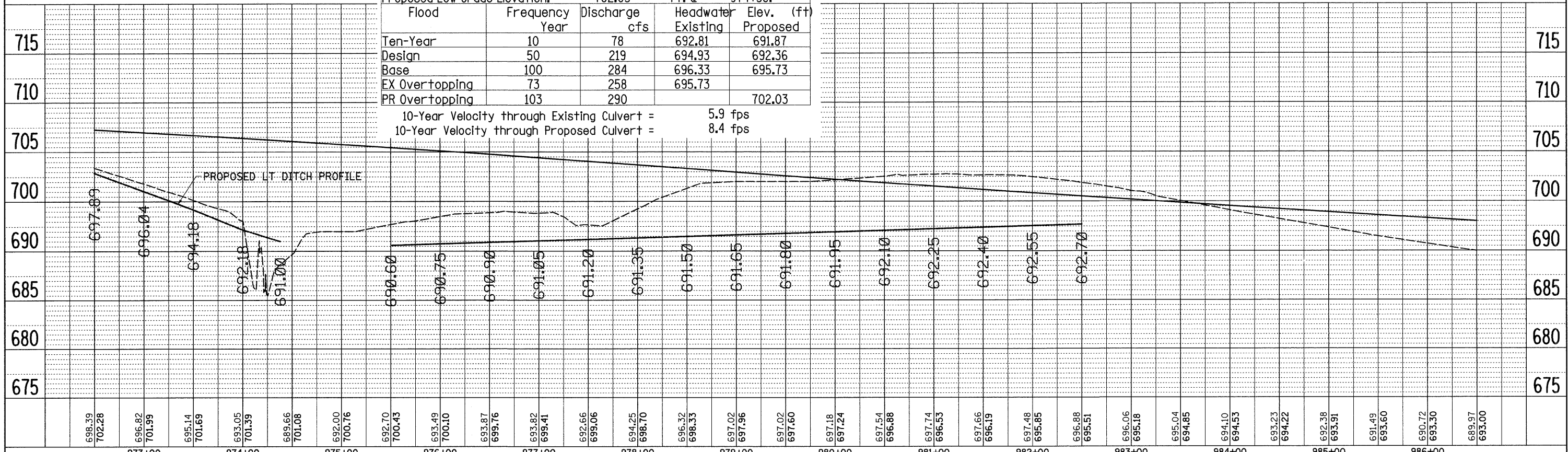
PLAN	SURVEYED	DATE
	ALIGNED	BY
	CHECKED	
	NO. OF WAY CHECKED	
	NO.	DATE
	FILE NAME	

PROFILE	SURVEYED	DATE
	ALIGNED	BY
	CHECKED	
	NO. OF WAY CHECKED	
	NO.	DATE
	FILE NAME	



Drainage Area =	0.3	SQ		
Existing Low Grade Elevation:	695.9	ft. @ 2201+85.		
Proposed Low Grade Elevation:	702.03	ft. @ 974+38.		
Flood	Frequency	Discharge	Headwater	Elev. (ft)
	Year	cfs	Existing	Proposed
Ten-Year	10	78	692.81	691.87
Design	50	219	694.93	692.36
Base	100	284	696.33	695.73
EX Overtopping	73	258	695.73	
PR Overtopping	103	290		702.03

10-Year Velocity through Existing Culvert = 5.9 fps
 10-Year Velocity through Proposed Culvert = 8.4 fps



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\PIWIDOT\GRANTPM\dms31213\d86608dr-2.dgn	DRAWN -	REVISED -	742			37R-4	OGLE	867	344	
PLOT SCALE = 58.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 64E17							
PLOT DATE = Tue Mar 30 10:33:53 2010	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							