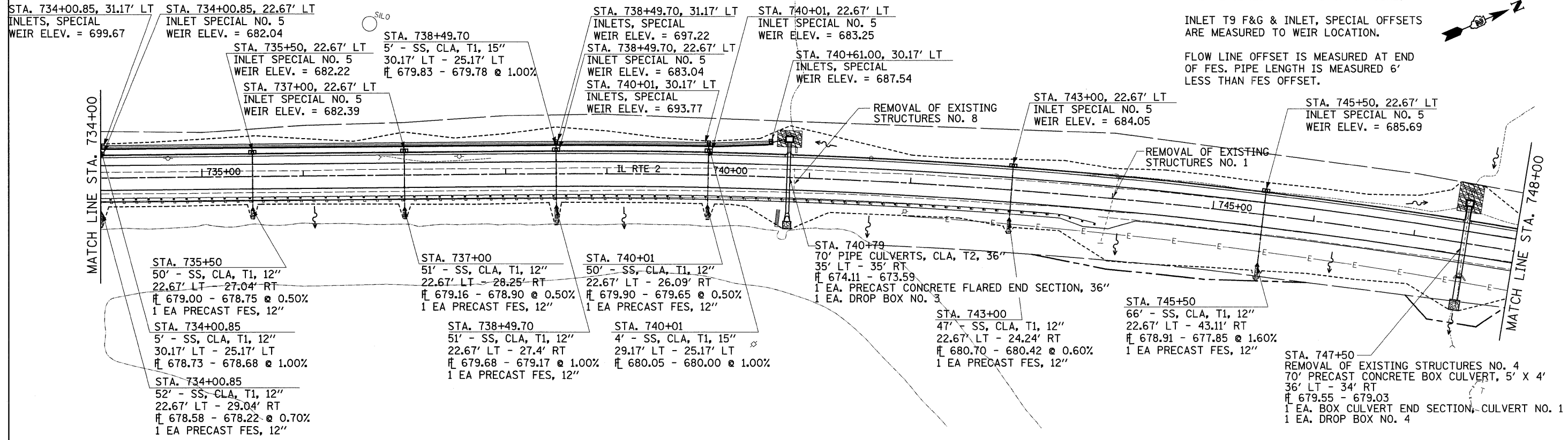


DRAINAGE DETAILS

NOTES:
INLET SPECIAL NO. 5 OFFSETS
ARE MEASURED TO TOP BACK OF CURB.

INLET T9 F&G & INLET, SPECIAL OFFSETS
ARE MEASURED TO WEIR LOCATION.

FLOW LINE OFFSET IS MEASURED AT END
OF FES. PIPE LENGTH IS MEASURED 6'
LESS THAN FES OFFSET.

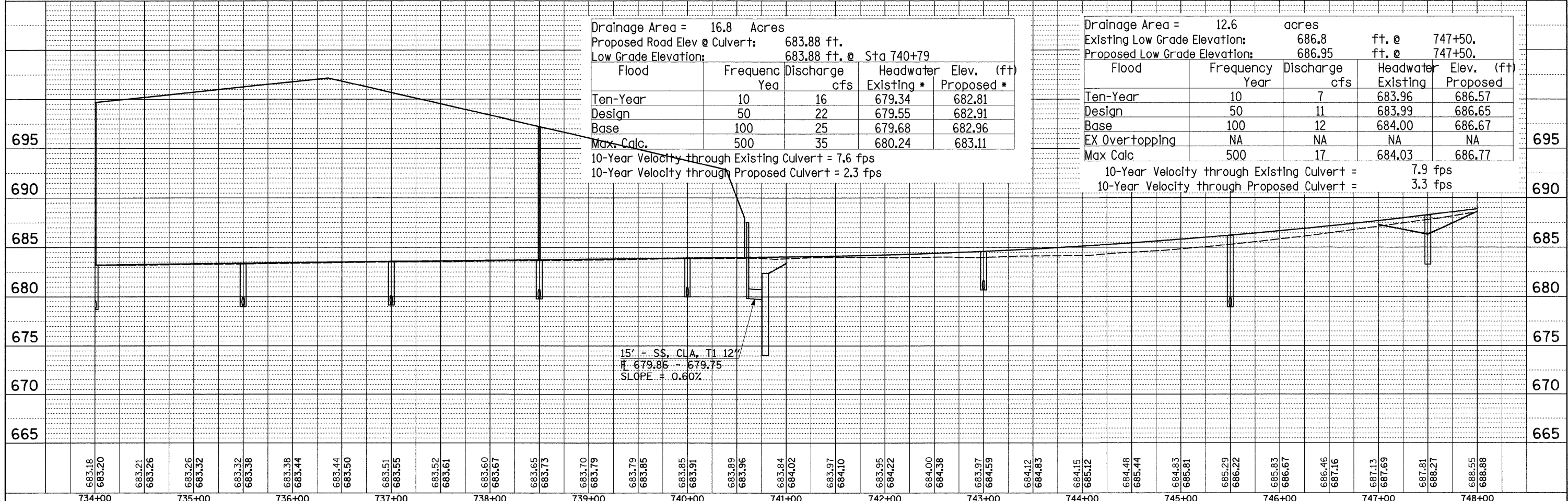


DATE	
BY	
PLANNED	
CHECKED	
DATE	
BY	
NOTE BOOK	
NO.	

DATE	
BY	
PROFILE	
CHECKED	
DATE	
BY	
NOTE BOOK	
NO.	

Drainage Area = 16.8 Acres				
Proposed Road Elev @ Culvert: 683.88 ft.				
Low Grade Elevation: 683.88 ft. @ Sta 740+79				
Flood	Frequenc	Discharge	Headwater Elev. (ft)	
	Yea	cfs	Existing *	Proposed *
Ten-Year	10	16	679.34	682.81
Design	50	22	679.55	682.91
Base	100	25	679.68	682.96
Max. Calc.	500	35	680.24	683.11
10-Year Velocity through Existing Culvert = 7.6 fps				
10-Year Velocity through Proposed Culvert = 2.3 fps				

Drainage Area = 12.6 acres				
Existing Low Grade Elevation: 686.8 ft. @ 747+50.				
Proposed Low Grade Elevation: 686.95 ft. @ 747+50.				
Flood	Frequency	Discharge	Headwater Elev. (ft)	
	Year	cfs	Existing	Proposed
Ten-Year	10	7	683.96	686.57
Design	50	11	683.99	686.65
Base	100	12	684.00	686.67
EX Overtopping	NA	NA	NA	NA
Max Calc	500	17	684.03	686.77
10-Year Velocity through Existing Culvert = 7.9 fps				
10-Year Velocity through Proposed Culvert = 3.3 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.
c:\pwwork\p\id\DOT\GRANTPM\dms31213\d06608dr1.dgn		DRAWN -	REVISED -			742	37R-4	OGLE	867	327
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 64E17				
PLOT DATE = Tue Mar 30 10:36:57 2010		DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		