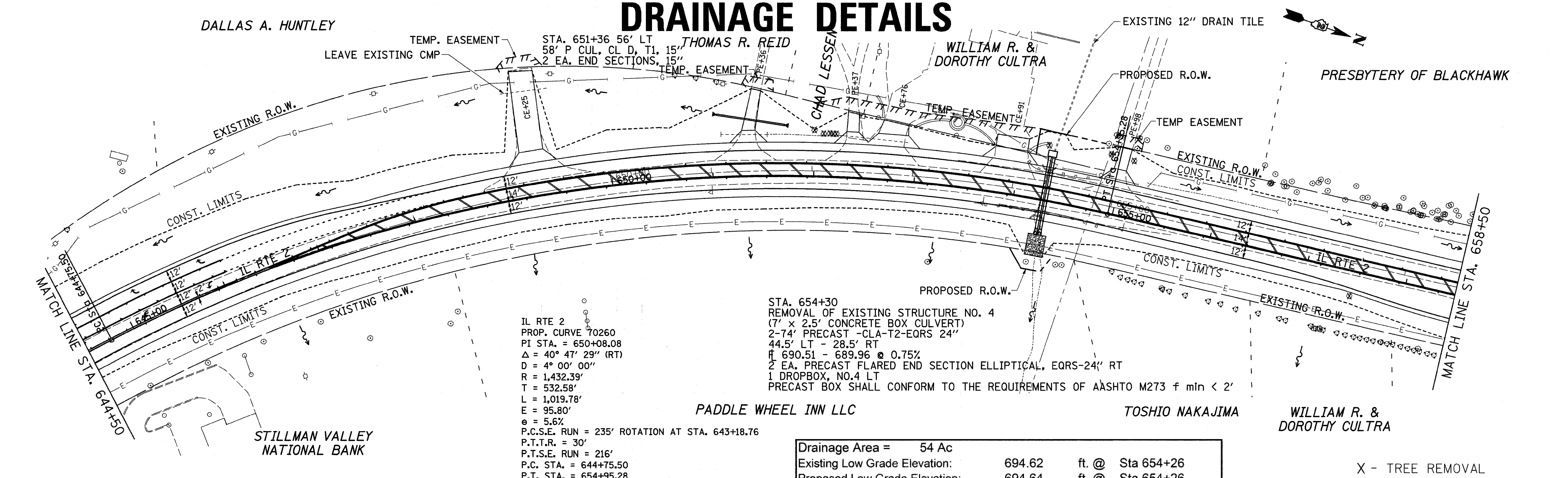
DRAINAGE DETAILS



Drainage Area = 54 Ac

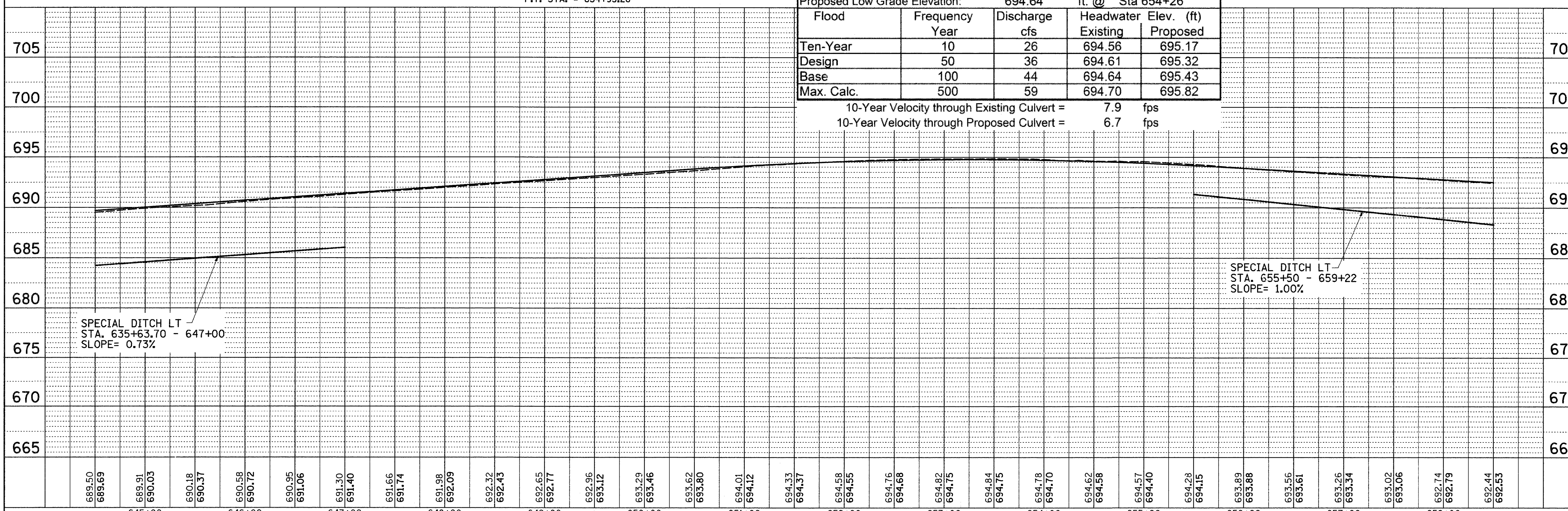
Existing Low Grade Elevation: 694.62 ft. @ Sta 654+26

Proposed Low Grade Elevation: 694.64 ft. @ Sta 654+26

Flood	Frequency Year	Discharge cfs	Headwater Elev. (ft) Existing	Headwater Elev. (ft) Proposed
Ten-Year	10	26	694.56	695.17
Design	50	36	694.61	695.32
Base	100	44	694.64	695.43
Max. Calc.	500	59	694.70	695.82

10-Year Velocity through Existing Culvert = 7.9 fps

10-Year Velocity through Proposed Culvert = 6.7 fps



FILE NAME = c:\pw_work\PWIDOT\CUSHMANBW\dms34123\d06486dr1.dgn	USER NAME = cushmanbw	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Fri May 01 08:08:34 2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE DETAILS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
742	37R-3	OGLE	345	130
		CONTRACT NO. 84788		

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

PLAN		
NOTE BOOK NO.	SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME	BY / DATE

PROFILE		
NOTE BOOK NO.	SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTAT'NS CHK'D	BY / DATE