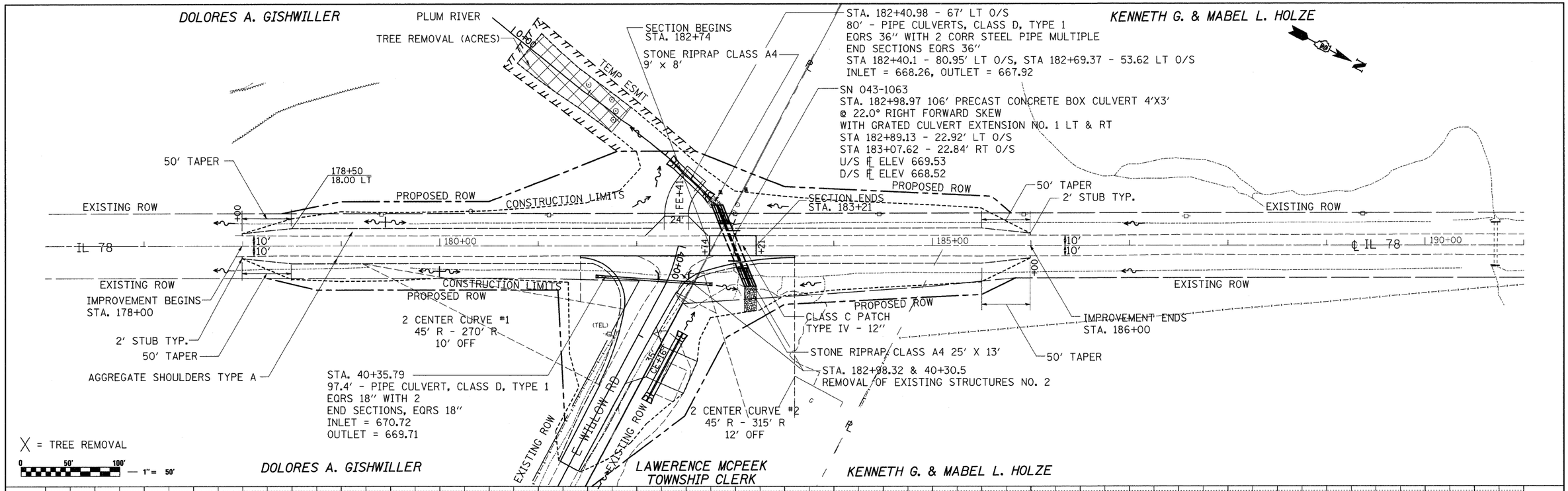
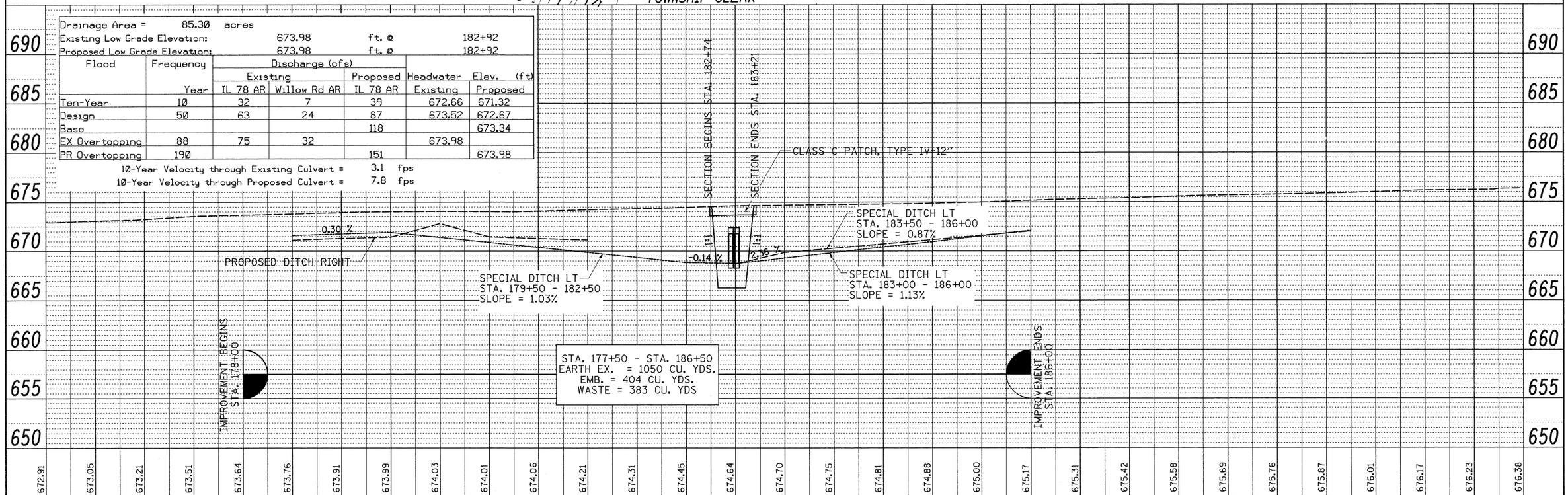


Drainage Area =	85.30 acres					
Existing Low Grade Elevation:		673.98	ft. @	182+92		
Proposed Low Grade Elevation:		673.98	ft. @	182+92		
Flood	Frequency	Discharge (cfs)			Headwater Elev. (ft)	
		Existing		Proposed		
	Year	IL 78 AR	Willow Rd AR	IL 78 AR	Existing	Proposed
Ten-Year	10	32	7	39	672.66	671.32
Design	50	63	24	87	673.52	672.67
Base				118		673.34
EX Overtopping	88	75	32		673.98	
PR Overtopping	190			151		673.98

10-Year Velocity through Existing Culvert = 3.1 fps
10-Year Velocity through Proposed Culvert = 7.8 fps



FILE NAME = c:\pw_work\PWIDOT\HENSONKE\dms33697\d04707pln.dgn	USER NAME = hensonke	DESIGNED -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED -
	PLOT DATE = Tue Sep 30 14:08:17 2008	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 78 PLAN & PROFILE

SCALE: 1:50 | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	(10-11)T	JODAVIESS	283	46

CONTRACT NO. 64D07

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 NOTATNS CHKD ___ BY ___ DATE ___