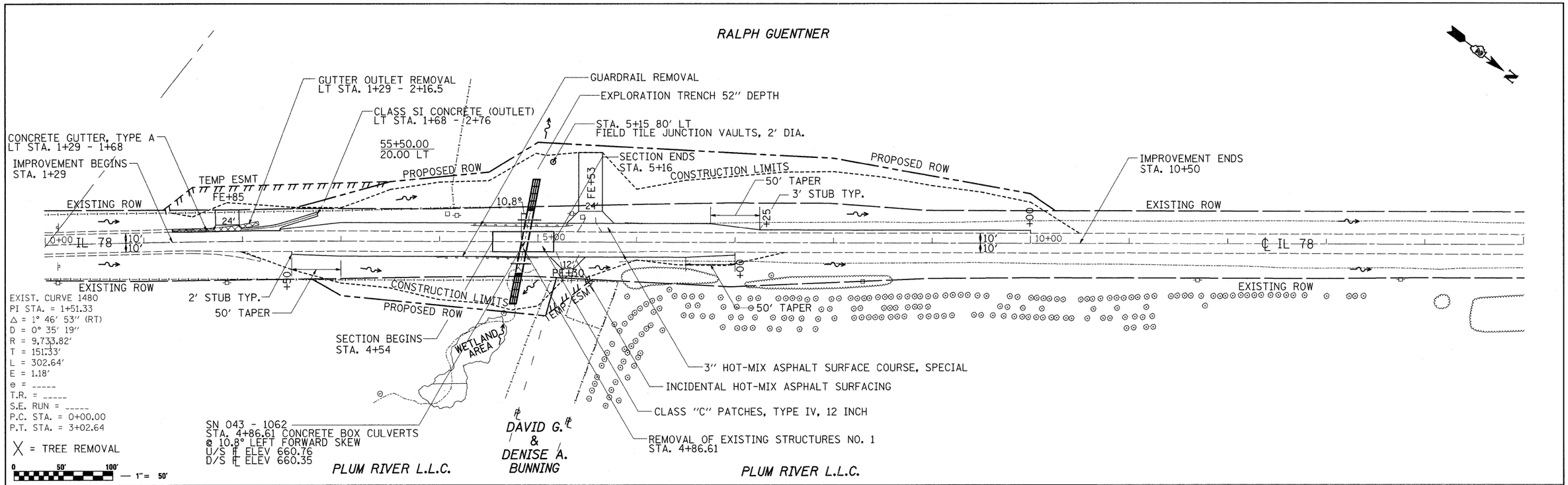

Drainage Area =	99.40	acres		
Existing Low Grade Elevation:		668.26	ft. @	5+25
Proposed Low Grade Elevation:		668.18	ft. @	5+25

Flood	Frequency Year	Discharge cfs	Headwater Existing	Elev. (ft) Proposed
Ten-Year	10	40	662.07	662.69
Design	50	93	662.88	664.20
Base	100	128	663.61	665.01
Max Calc	500	249	667.46	667.44

10-Year Velocity through Existing Culvert = 8.9 fps
10-Year Velocity through Proposed Culvert = 6.0 fps

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

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

FILE NAME = c:\pw_work\PWIDOT\HENSONKE\dms33697\d04707pln.dgn	USER NAME = hensonke	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = Tue Sep 30 14:08:16 2008	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	44

CONTRACT NO. 64D07

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