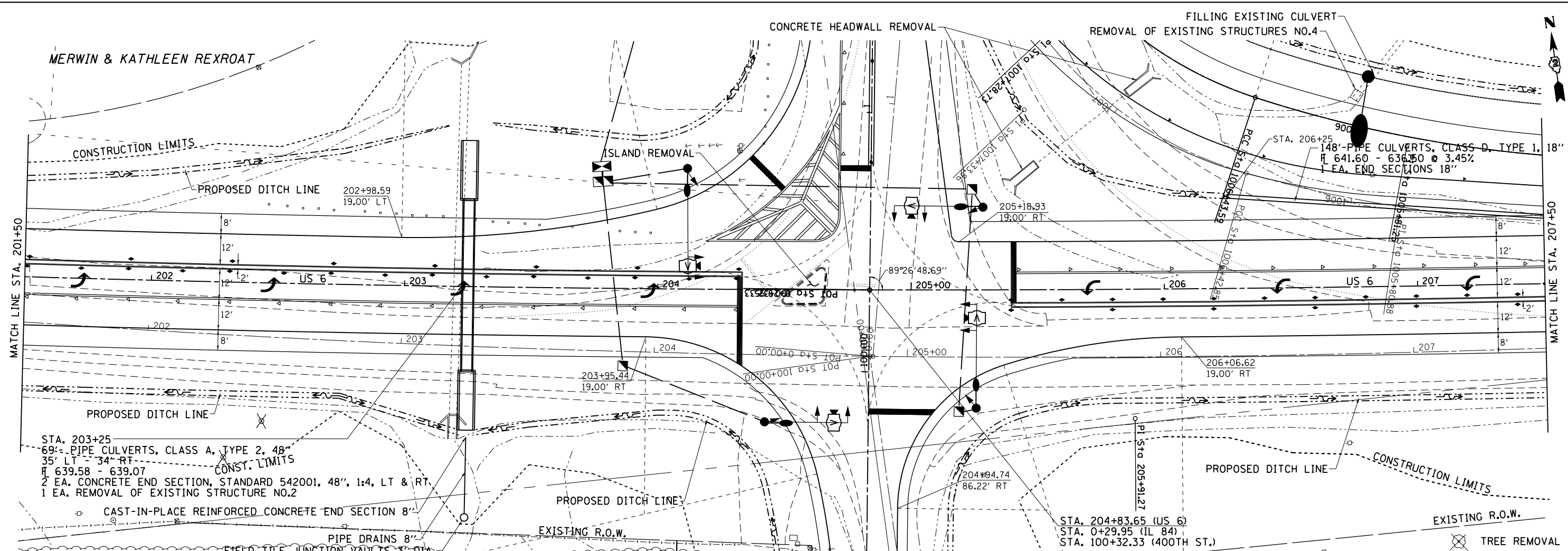


PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHP	
	NO.	



WATERWAY INFORMATION TABLE

Drainage Area = 7.9 acres

Existing Low Grade Elevation: 645.75 ft @ 202+75RT

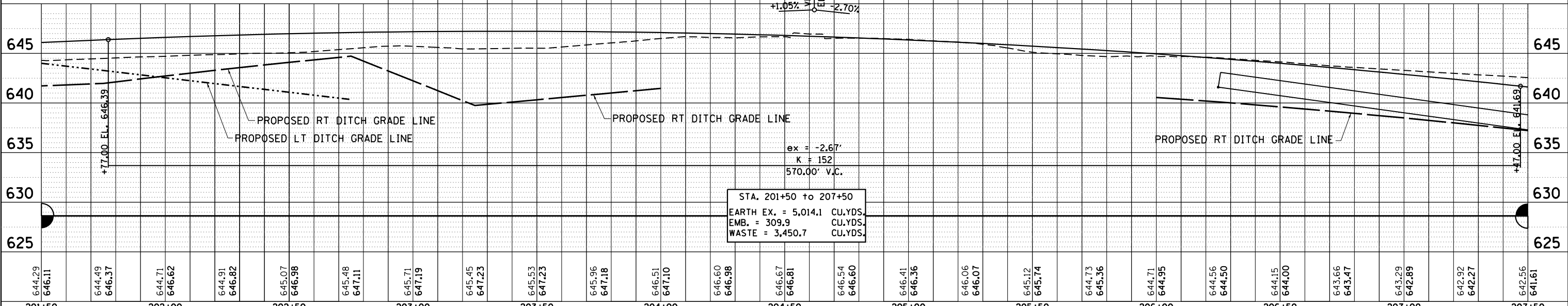
Proposed Low Grade Elevation: 644.71 ft @ 202+75 RT

Flood Year	Frequency	Discharge cfs	Headwater Elev. (ft) Existing	Proposed
Ten-Year	10	16	641.56	641.18
Design	50	23	641.99	641.52
Base	100	27	642.22	641.73
Max Calc	500	40	642.95	642.32

10-Year Velocity through Existing Culvert = 11.3 fps

10-Year Velocity through Proposed Culvert = 6.6 fps

EXIST. CURVE 210	PROP. CURVE 70260
PI STA. = 205+91.27	PI STA. = 205+91.27
$\Delta = 10^\circ 33' 05''$ (LT)	$\Delta = 10^\circ 33' 05''$ (LT)
$D = 1^\circ 00' 08''$	$D = 0^\circ 28' 39''$
$R = 5,717.44'$	$R = 12,000.00'$
$T = 527.95'$	$T = 1,108.08'$
$L = 1,052.91'$	$L = 2,209.89'$
$e = 24.32'$	$E = 51.05'$
$T.R. =$	$S.E. = N.C.$
$S.E. RUN =$	$P.C. STA. = 194+83.20$
$P.C. STA. = 200+63.33$	$P.T. STA. = 216+93.08$
$P.T. STA. = 211+16.23$	



FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -
c:\pwork\pwork\pwork\cushmanbw\d0333009\F201709-sht-pln1.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Fri Aug 01 11:16:28 2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 6
PLAN & PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	36
CONTRACT NO.			64J43	

SCALE: SHEET OF SHEETS STA. TO STA.

* 5789 & 5861

ILLINOIS FED. AID PROJECT