

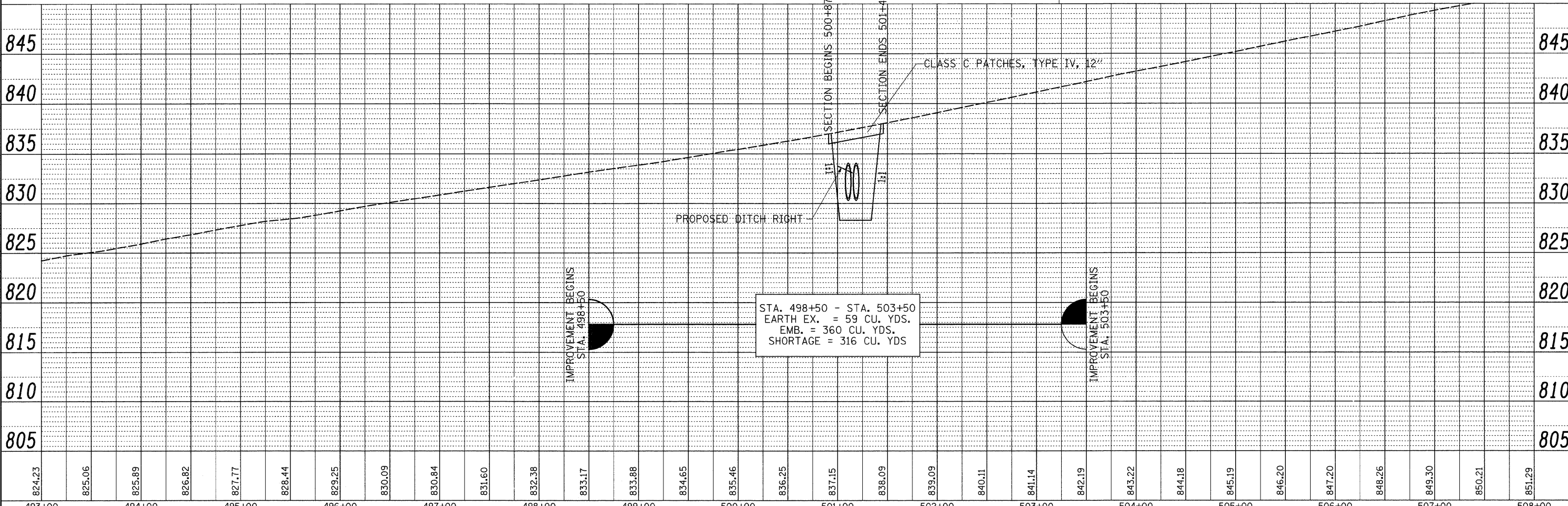
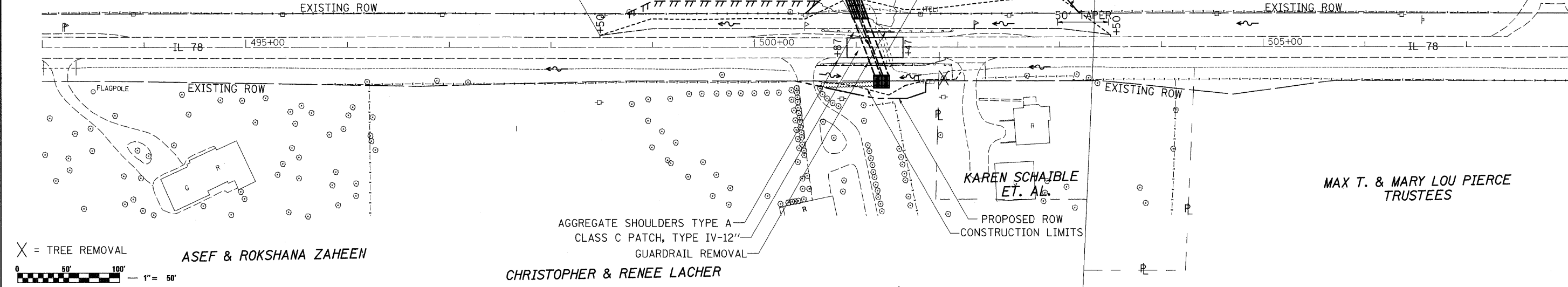
Drainage Area =	116.70	acres		
Existing Low Grade Elevation:	836.08	ft. @	PE 500+50	
Proposed Low Grade Elevation:	836.08	ft. @	PE 500+50	
Flood	Frequency Year	Discharge cfs	Headwater Existing	Elev. (ft) Proposed
Ten-Year	10	64	832.20	833.98
Design	50	131	833.79	834.54
Base	100	173	834.84	834.84
EX Overtopping	182	214	836.08	
PR Overtopping	251	244	836.08	

10-Year Velocity through Existing Culvert = 8.9 fps
 10-Year Velocity through Proposed Culvert = 6.6 fps

JOESPH M. & BONNYE S. RAYBURN

SN 043-1070
 STA. 501+14.74 - 120.6' PIPE CULVERTS,
 A TYPE 1, RC - 54" W/ AT 20.4° RIGHT FORWARD SKEW
 GRATED CULVERT EXTENSION NO. 4 LT & DROP BOX NO.5 RT
 U/S ELEV = 830.86
 D/S ELEV = 830.52

BLACK HAWK RUN GOLF CLUB
 C/O DONNA DOUGHERTY



DATE	
BY	
PLAN	
NO.	

DATE	
BY	
PROFILE	
NO.	