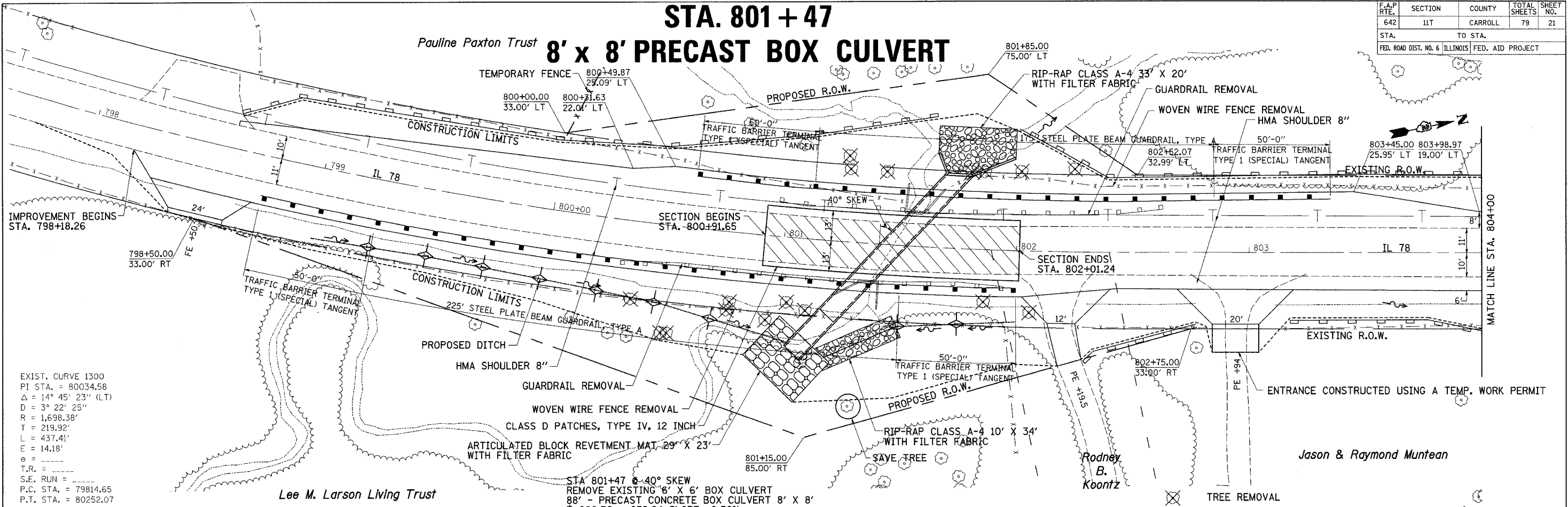


# STA. 801+47

## 8' x 8' PRECAST BOX CULVERT

Pauline Paxton Trust

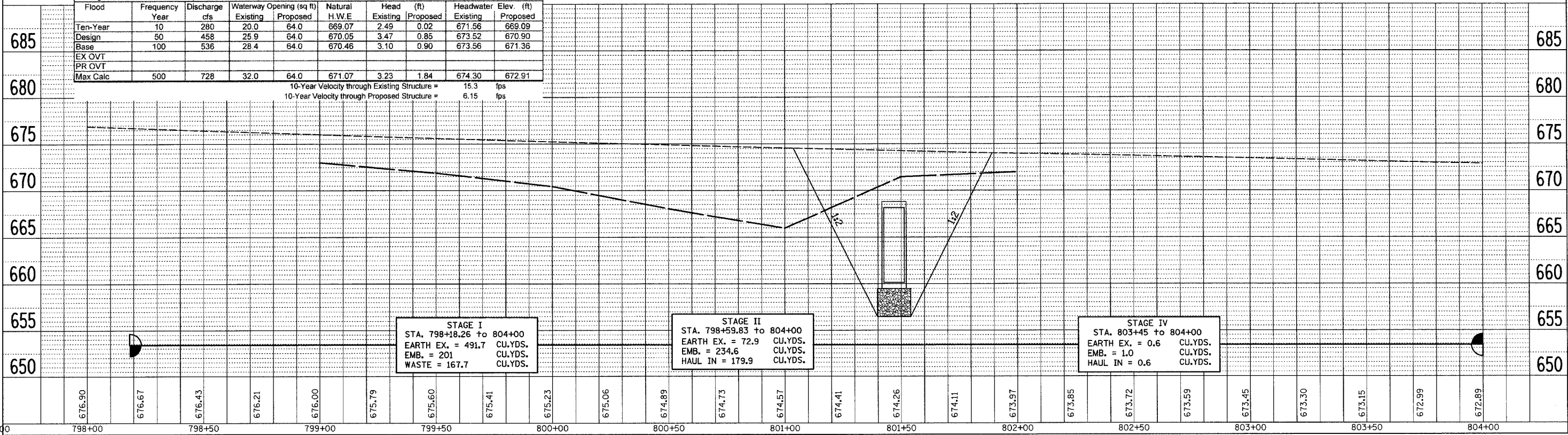


EXIST. CURVE 1300  
 PI STA. = 80034.58  
 $\Delta = 14^\circ 45' 23''$  (LT)  
 $D = 3^\circ 22' 25''$   
 $R = 1,698.38'$   
 $T = 219.92'$   
 $L = 437.41'$   
 $E = 14.18'$   
 $e =$   
 $T.R. =$   
 S.E. RUN =  
 P.C. STA. = 79814.65  
 P.T. STA. = 80252.07

STA 801+47 @ 40° SKEW  
 REMOVE EXISTING 6' X 6' BOX CULVERT  
 88' - PRECAST CONCRETE BOX CULVERT 8' X 8'  
 $H = 660.36 - 659.94$  SLOPE = 0.50%  
 $42' LT - 42' RT$   
 1 EA. CAST IN PLACE END SECTION LT  
 DROP BOX NO.1 RT WITH PIPE HANDRAIL

Flood		Frequency	Discharge	Waterway Opening (sq ft)		Natural H.W.E		Head (ft)		Headwater Elev. (ft)	
Year	Year	Year	Year	Existing	Proposed	Existing	Proposed	Existing	Proposed	Existing	Proposed
10	10	280	20.0	64.0	669.07	2.49	0.02	671.56	669.09		
Design	50	458	25.9	64.0	670.05	3.47	0.85	673.52	670.90		
Base	100	536	28.4	64.0	670.46	3.10	0.90	673.56	671.36		
EX OVT											
PR OVT											
Max Calc	500	728	32.0	64.0	671.07	3.23	1.84	674.30	672.91		

Existing Low Grade Elevation: 673.97 ft @ Sta 802+00  
 Proposed Low Grade Elevation: 674.16 ft @ Sta 802+00  
 10-Year Velocity through Existing Structure = 15.3 fps  
 10-Year Velocity through Proposed Structure = 6.15 fps



STAGE I  
 STA. 798+18.26 to 804+00  
 EARTH EX. = 491.7 CU.YDS.  
 EMB. = 201 CU.YDS.  
 WASTE = 167.7 CU.YDS.

STAGE II  
 STA. 798+59.83 to 804+00  
 EARTH EX. = 72.9 CU.YDS.  
 EMB. = 234.6 CU.YDS.  
 HAUL IN = 179.9 CU.YDS.

STAGE IV  
 STA. 803+45 to 804+00  
 EARTH EX. = 0.6 CU.YDS.  
 EMB. = 1.0 CU.YDS.  
 HAUL IN = 0.6 CU.YDS.

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEY: \_\_\_\_\_  
 PLAN: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEY: \_\_\_\_\_  
 PROFILE: \_\_\_\_\_  
 DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEY: \_\_\_\_\_  
 PLOT DATE = Nov. Oct. 22 1341326 2887  
 FILE NAME = c:\pvc\projects\p288688\828688.dwg  
 PLOT SCALE = 28.8888 / IN.  
 PLOTTER NAME = pcrtrndr