

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	CARROLL	548	93

STA. TO STA.  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT  
 \* ROUTE 17 (US 52 / IL 64)  
 \*\* (1,2)RS & (3-1)RS-1

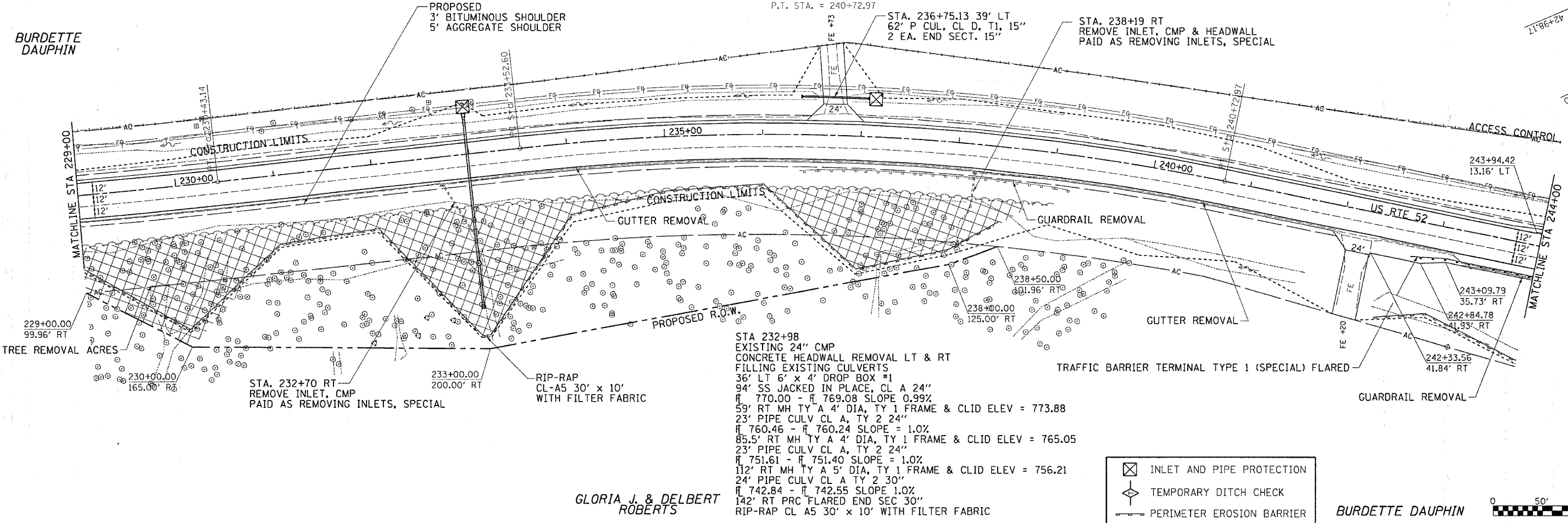
Drainage Area EX = 6.7 Acres		Drainage Area PR = 6.7 Acres		Headwater Elev. (ft)	
Existing Low Grade Elevation: 782.11 ft. @ 232+98				Existing	Proposed
Proposed Low Grade Elevation: 782.30 ft. @ 232+98				778.95	777.8
Flood Year	Discharge EX cfs	Discharge PR cfs			
Ten-Year	13.0	13.0			
Design	18.0	18.0			
Base	21.0	21.0			
EX Overtopping	>500				
PR Overtopping	>500				
Max Calc	500	29.0	29.0	781.56	778.78

US RTE 52  
 EXIST. CURVE 260  
 PI STA. = 237+15.78  
 $\Delta = 18^\circ 00' 54''$  (RT)  
 $D = 2^\circ 30' 03''$   
 $R = 2,291.08'$   
 $T = 363.18'$   
 $L = 720.37'$   
 $E = 28.61'$   
 $e = 4.6\%$   
 $T.R. = 38'$   
 $S.E. RUN = 117'$   
 $P.C. STA. = 233+52.60$   
 $P.T. STA. = 240+72.97$

PROP. CURVE S260  
 PI STA. = 237+15.78  
 $\Delta = 18^\circ 00' 54''$  (RT)  
 $D = 2^\circ 30' 03''$   
 $R = 2,291.08'$   
 $T = 363.18'$   
 $L = 720.37'$   
 $E = 28.61'$   
 $e = 4.6\%$   
 $T.R. = 38'$   
 $S.E. RUN = 117'$   
 $P.C. STA. = 233+52.60$   
 $P.T. STA. = 240+72.97$

BURDETTE DAUPHIN

BURDETTE DAUPHIN



STA 232+98  
 EXISTING 24" CMP  
 CONCRETE HEADWALL REMOVAL LT & RT  
 FILLING EXISTING CULVERTS  
 36' LT 6' x 4' DROP BOX #1  
 94' SS JACKED IN PLACE, CL A 24"  
 $\nabla 770.00 - \nabla 769.08$  SLOPE 0.99%  
 59' RT MH TY A 4' DIA, TY 1 FRAME & CLID ELEV = 773.88  
 23' PIPE CULV CL A, TY 2 24"  
 $\nabla 760.46 - \nabla 760.24$  SLOPE = 1.0%  
 85.5' RT MH TY A 4' DIA, TY 1 FRAME & CLID ELEV = 765.05  
 23' PIPE CULV CL A, TY 2 24"  
 $\nabla 751.61 - \nabla 751.40$  SLOPE = 1.0%  
 112' RT MH TY A 5' DIA, TY 1 FRAME & CLID ELEV = 756.21  
 24' PIPE CULV CL A TY 2 30"  
 $\nabla 742.84 - \nabla 742.55$  SLOPE 1.0%  
 142' RT PRC FLARED END SEC 30"  
 RIP-RAP CL A5 30' x 10' WITH FILTER FABRIC

GLORIA J. & DELBERT ROBERTS

- INLET AND PIPE PROTECTION
- TEMPORARY DITCH CHECK
- PERIMETER EROSION BARRIER

BURDETTE DAUPHIN

