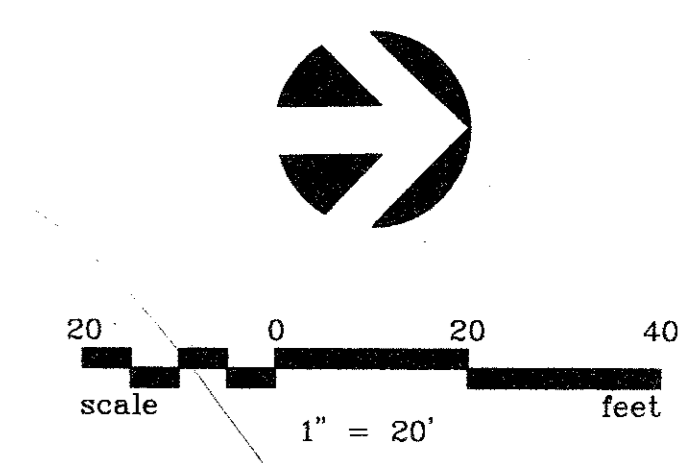
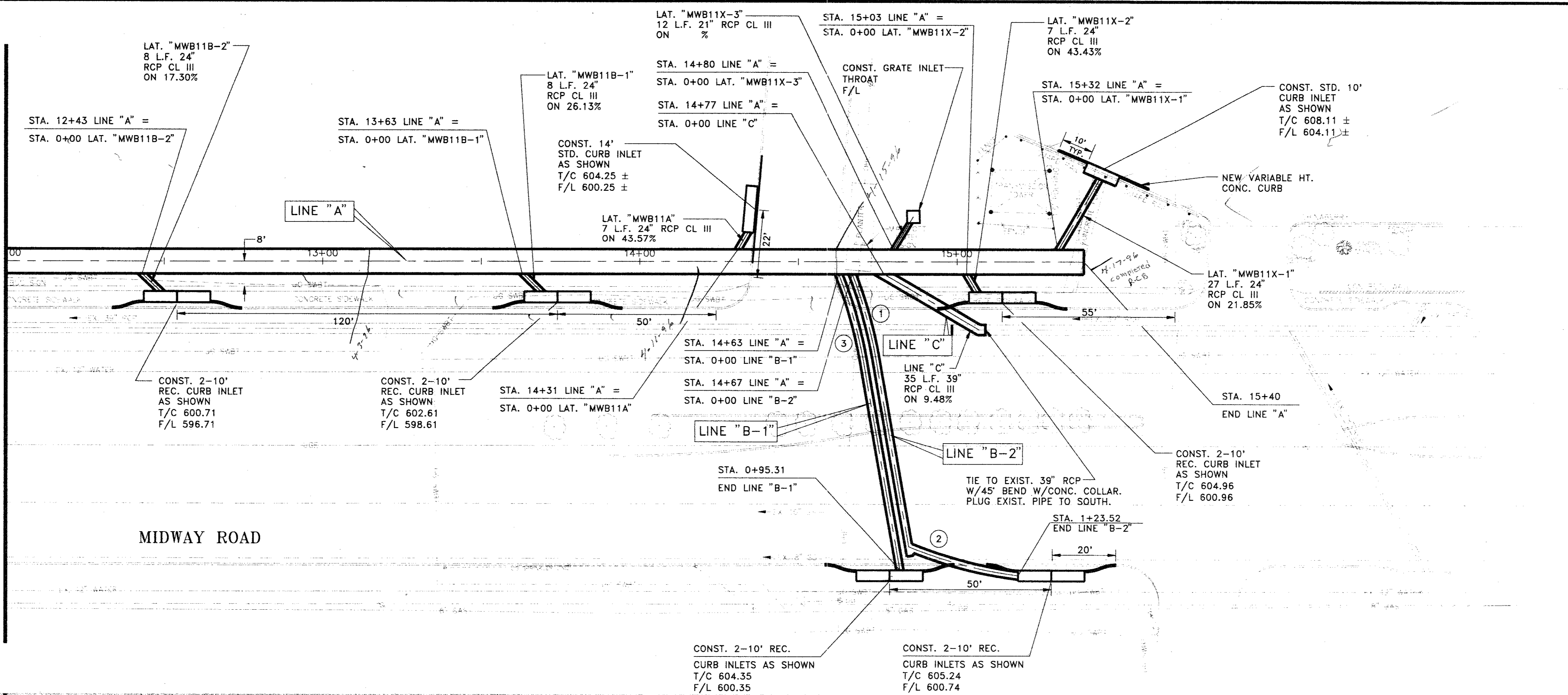


MATCH LINE STA. 12+00

MATCH LINE STA. 12+00

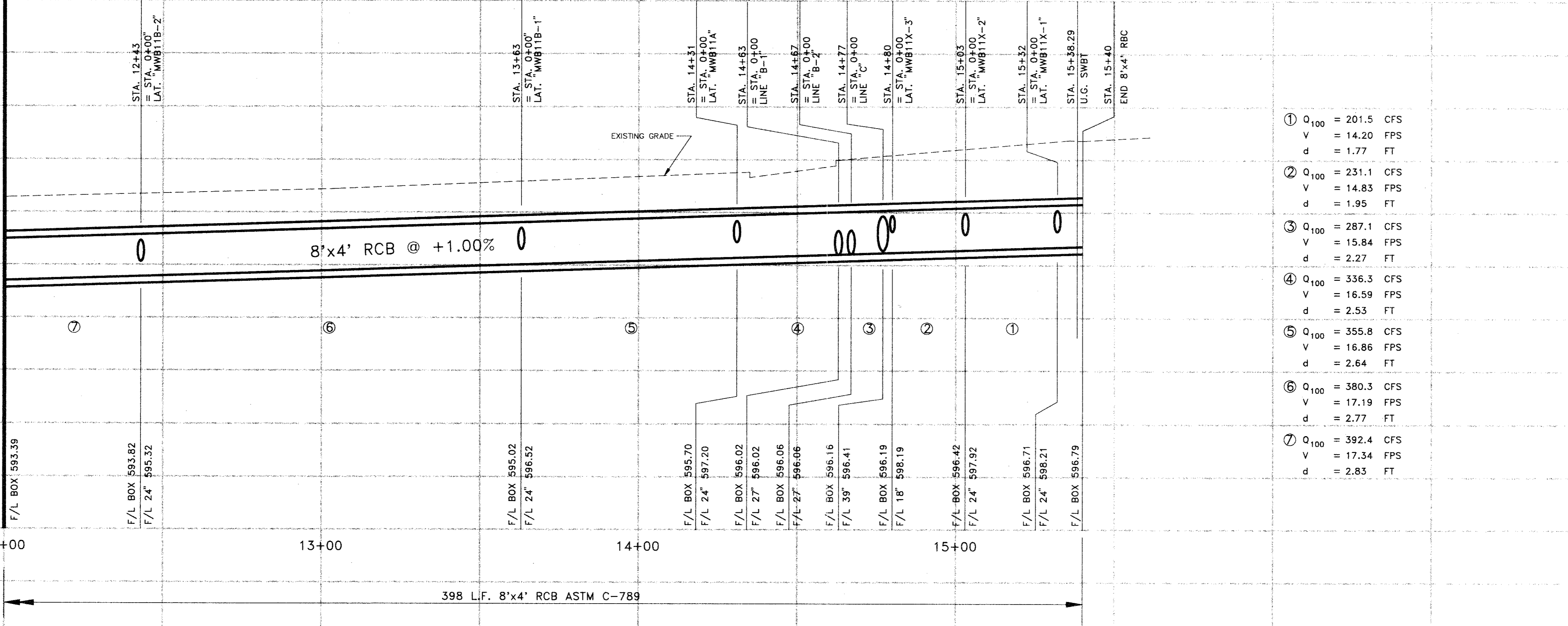


STORM SEWER CURVE DATA

①	Δ = 11'16"50"	②	Δ = 14'36"40"
	R = 140.00'		R = 140.00'
	L = 27.56'		L = 35.70'
	T = 13.83'		T = 17.95'
③	Δ = 11'56"18"		
	R = 136.00'		
	L = 28.34'		
	T = 14.22'		

- NOTES:**
- ALL REINFORCED CONCRETE BOX (RCB) SHALL BE PRECAST EXCEPT FOR THE TRANSITION SECTION ON SHEET 15.
 - ALL RCB SHALL BE ASTM C-789 EXCEPT FOR THE CROSSING OF PROTON DRIVE WHICH SHALL BE ATM C-850.
 - REFER TO SHEET 20 FOR RCB AND TRANSITION DETAILS.

- BENCHMARKS**
- BM#1 FLOWLINE OF A 4'x7' BOX CULVERT, THE MOST SOUTHERLY BOX ON THE EAST SIDE OF MIDWAY ROAD AND 4'45" SOUTH OF GREENHILL DRIVE. ELEV. 587.33
 - BM#2 SET "E" CUT ON THE SOUTH END, TOP OF CONCRETE HEADWALL ON THE EAST SIDE OF MIDWAY ROAD AND 4'45" SOUTH OF GREENHILL DRIVE. ELEV. 592.97
 - BM#3 SET "D" CUT AT WEST CORNER OF CONCRETE HEADWALL OF BOX CULVERT, SOUTH SIDE OF PROTON DRIVE AND 1350' EAST OF MIDWAY AND PROTON INTERSECTION. ELEV. 598.37



①	Q ₁₀₀ = 201.5 CFS		
	V = 14.20 FPS		
	d = 1.77 FT		605
②	Q ₁₀₀ = 231.1 CFS		
	V = 14.83 FPS		
	d = 1.95 FT		600
③	Q ₁₀₀ = 287.1 CFS		
	V = 15.84 FPS		
	d = 2.27 FT		595
④	Q ₁₀₀ = 336.3 CFS		
	V = 16.59 FPS		
	d = 2.53 FT		590
⑤	Q ₁₀₀ = 355.8 CFS		
	V = 16.86 FPS		
	d = 2.64 FT		585
⑥	Q ₁₀₀ = 380.3 CFS		
	V = 17.19 FPS		
	d = 2.77 FT		580
⑦	Q ₁₀₀ = 592.4 CFS		
	V = 17.34 FPS		
	d = 2.83 FT		

DESIGNED BY: J WALDBAUER DRAWN BY: EH&A CHECKED BY: B GRANTHAM SCALE: 1" = 20' DATE: JULY, 1995 FILE: MIDWAY\MIDDR03		<p>Espey, Huston & Associates, Inc. Engineering & Environmental Consultants 13800 Montfort Drive, Suite 230 Dallas, Texas 75240 (214) 387-0771</p>	DRAINAGE PLAN & PROFILE STA. 12+00 TO STA. 15+55 MIDWAY ROAD DRAINAGE IMPROVEMENTS FROM GREENHILL DRIVE TO TU RIGHT-OF-WAY for THE TOWN OF ADDISON		SHEET NO. 16 OF 20 SHEETS JOB NO. 16285
NO. REVISION BY DATE					