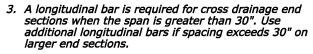


STATE	PROJECT	SHEET

NOTE:

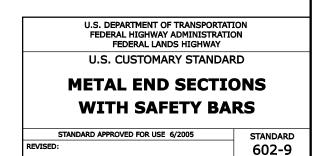
- 1. Use end sections on 1V:4H to 1V:6H slopes only. Use toe plate extension where shown on the plans.
- 2. Fabricate safety and longitudinal bars from steel pipe conforming to ASTM A53 schedule 40 specifications. Galvanize bars hot dipped after fabrication.



- 4. Safety and longitudinal bars are not required on 30" and smaller cross drainage end sections.
- 5. Safety bars are not required on 18" and smaller parallel drainage end sections.
- 6. 18" diameter sleeves have a thickness of 0.079", all others are 0.109".

L END SECTIONS FOR ROUND PIPE CULVERT								
METAL	DIMENSIONS IN INCHES							
THICK (MIN.) NCH/GAGE	A	Н	W	OVERALL WIDTH	L			
					Slope=4	Slope=6		
0.064/16	8	6	24	40	32	47		
0.064/16	8	6	30	46	55	83		
0.109/12	12	9	36	60	<i>79</i>	118		
0.109/12	12	9	42	66	102	154		
0.109/12	16	12	48	80	126	189		
0.109/12	16	12	54	86	150	224		
0.109/12	16	12	60	92	173	260		
0.109/12	16	12	66	98	197	295		

D SECTIONS FOR PIPE ARCH CULVERT									
METAL	DIMENSIONS (INCHES)								
THICK (MIN.)	٨		147	OVERALL	L				
NCH/GÁGE	7		WIDTH	Slope=4	Slope=6				
0.064/16	8	6	27	43	20	30			
0.064/16	8	6	33	49	40	60			
0.109/12	12	9	40	64	55	<i>83</i>			
0.109/12	12	9	47	71	75	112			
0.109/12	16	12	54	86	90	136			
0.109/12	16	12	62	94	110	165			
0.109/12	16	12	69	101	130	195			
0.109/12	16	12	76	107	146	218			
0.109/12	16	12	88	120	185	278			



NO SCALE