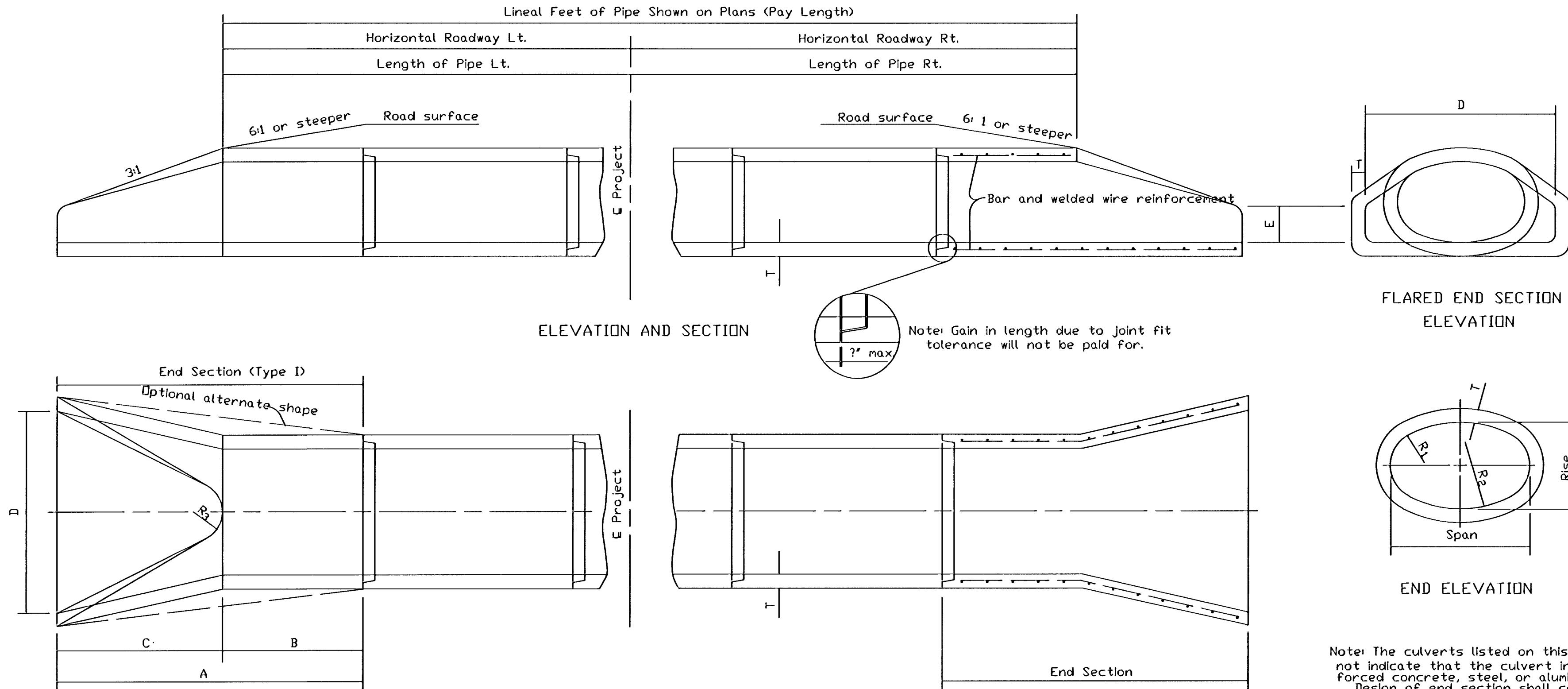


Scale: 1



Note: The culverts listed on this sheet may or may not indicate that the culvert installed will be reinforced concrete, steel, or aluminum.

Design of end section shall conform to standard reinforced concrete horizontal elliptical pipe. Slight variations in the dimensions specified will be allowed.

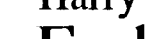
END SECTION (TYPE D) NOMINAL DIMENSIONS													
Bid Designation	Bid Sq. Ft.	Min. V.V. Area	Spar	Rise	Over Barrel	Barrel Length	C	D	E	R ₁	R ₂	R ₃	
1.0 or 1.5	1.8	23'	14"	6'-0"	3'-9"	2'-3"	3'-0"	8'	20'	6'	2'	7'	
2.0, 2.5 or 3.0	3.3	30'	19"	6'-0"	2'-9"	3'-0"	4'-0"	8'	18'	26'	7'	2'	
4.0	4.1	34'	22"	6'-0"	2'-2"	3'-10"	4'-6"	9'	29'	8'	3'		
5.0	5.1	38'	24"	6'-0"	1'-6"	4'-6'-0"	9' 7"	10'	32'	7"	3'		
6.0	6.3	42'	27"	6'-0"	1'-3"	4'-9'-5"	10'-11"	11'	36'	7"	10'	3'	
7.0	7.4	45'	29"	8'-0"	3'-3"	5'-0'-6"	11'-7"	12'	39'	39'	12'	4'	
8.5	8.8	49'	32"	8'-0"	3'-0"	5'-0'-6"	12'-13"	13'	42'-5"	12'	14'	4'	
10.0	10.2	53'	34"	8'-0"	3'-0"	5'-0'-6"	15'	14'	45'	14'	14'	4'	
11.0 or 12.5	12.9	61'	38"	8'-0"	3'-0"	5'-0"	16'	15'	51'	7"	14'	5'	
14.0 or 16.5	16.6	68'	43"	8'-0"	3'-0"	5'-0"	7'-6"	25'	185'	58'	16'	6"	

Paid for as separate item of 'End Section'
Included in pay length of pipe.

[illegible]

2	4-6-05	Revised reinforcement callout	S.V.K.	J.D.E.
1	6-16-95	Revised table & labeling	R.J.S.	J.D.E.

CONCRETE END SECTION FOR
REINFORCED CONCRETE HORIZONTAL
ELLIPTICAL PIPE TYPE I

Harry Street, Meridian to K-42 End Section Detail Wichita, Kansas				
 		PROJECT NUMBER 472-84001 OCA 716800		
		KEM NO. 04050	FILE section	DATE 11/05
516 S. Market, Wichita, KS 67202 316/264-0242		DESIGN KDOT	DRAWN KDOT	REVISED 11/21/05
		OF 58		