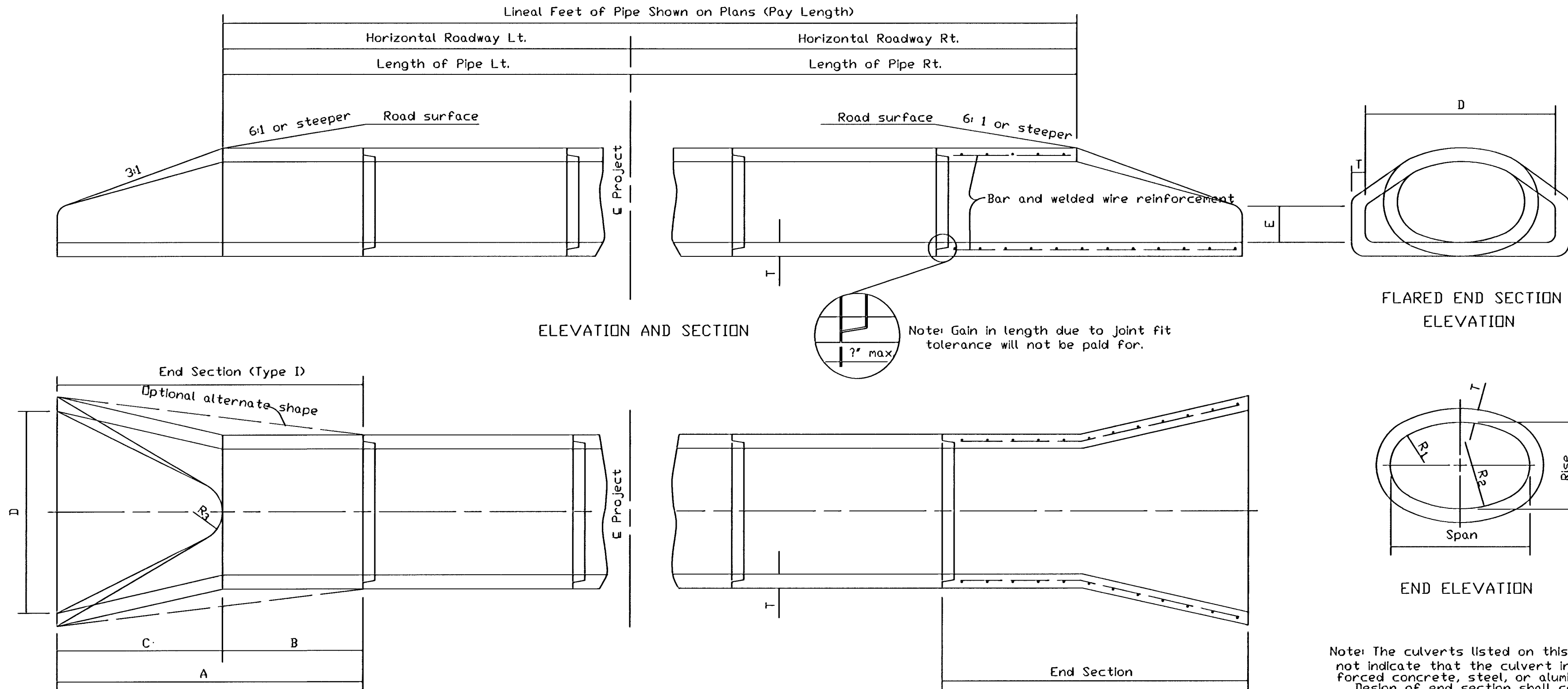


Scale: 1



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

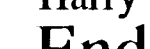
END SECTION (TYPE D) NOMINAL DIMENSIONS													
Bid Designation	Area Sq. Ft.	Min. V.V. Area Sq. Ft.	Span	Rise	Over Barrel	Barrel Length	C	D	E	R ₁	R ₂	R ₃	
1.0 or 1.5	1.8	1.8	23'	14"	6'-0"	3'-9"	2'-3	3'-0"	8'	6'	20'	6'	2 7/8"
2.0, 2.5 or 3.0	3.3	3.3	30'	19'	6'-0"	2'-9"	3'-3	4'-0"	8 1/2'	8'	26 1/2'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

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		DESIGN KDOT	DRAWN KDOT	REVISED 11/21/05
316/264-0242		OF 58		