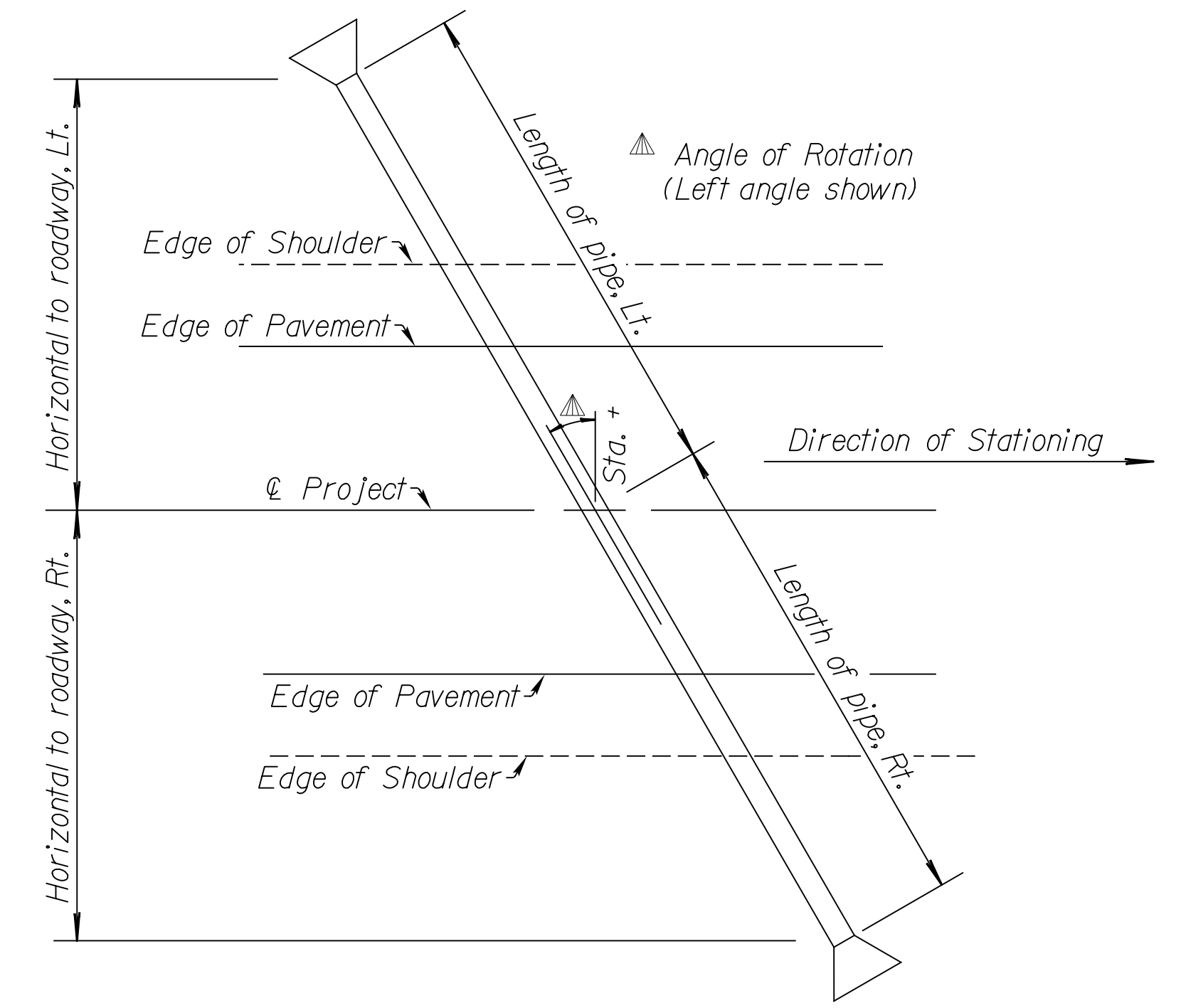


Note to Designer: KDOT Pipe Policy provides guidance in identifying the prohibited and/or restricted uses of CSP, ACSP, PEP, PVC, CAP & RCP. Provide end sections of the same type and coating as the pipe. Exceptions to this are noted in the Standard Specifications. Refer to the KDOT Design Manual, Volume I (Part C), Road Section, Elements of Drainage & Culvert Design for structural pipe design information which includes: corrugations, sizes, gauges, maximum/minimum fill heights and classes of pipe.

PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
472-84817 PHASE II	2011	43	93

Station	No.	Type	Size or Bid Designation Sq. Ft.	Crown Grade Elev.	Flow Line*		Horizontal Roadway		Degree of Rotation	Length of Pipe		Lin. Ft. of Pipe	Height of Fill (max.) Ft.	Concrete Pipe AASHTO Class No.	Pipe Gauge		Pipe Corrugations		Remarks
					Lt.	Rt.	Lt.	Rt.		Lt.	Rt.				Steel	Alum.	Steel	Alum.	
21+80	P-301	E.P. (DIP)	18"	1313.32	1310.82	1310.54	29.37	30.61		84	84								S.S. Pipe Protection
22+55	P-302	E.P. (HERCP)	1.5 sf	1313.55	1310.49	1310.37	31.34	32.33		40	40								
23+44	P-303	E.P. (HERCP)	1.5 sf	1313.52	1310.32	1310.23	33.34	34.80		32	32								
23+64	P-308	CRP (RCP)	18"	1314.09	1310.27	1310.44	27.63	26.12	16° Rt.	29	27	56							
24+40	P-310	CRP (RCP)	18"	1314.33	1310.35	1310.78	26.50	27.50		26.5	27.5	54							
24+80	P-306	E.P. (RCP)	15"	1314.33	1311.39	1311.31	31.00	32.48		26	26	26							
26+75	P-311	CRP (HERCP)	5.0 sf	1315.08	1310.70	1310.86	27.00	27.00		27	27	54							
35+16	P-315	E.P. (HERCP)	3.0 sf	1315.61	1312.81	1312.69	28.19	27.95		38	38	38							
840+58	P-340	CRP (RCP)	18"	1317.78	1314.29	1314.05	31.02	27.49	43° Lt.	42.4	37.6	80							€ Curtis
45+03	P-341	E.P. (RCP)	15"	1319.15	1315.47	1315.26	32.64	33.21		34	34								



Unless otherwise noted, minimum pipe gauge & corrugations to be as shown in RD660. See Summary of Quantities for End Section information.

*For Entrance Pipe, left is upstream and right is downstream.

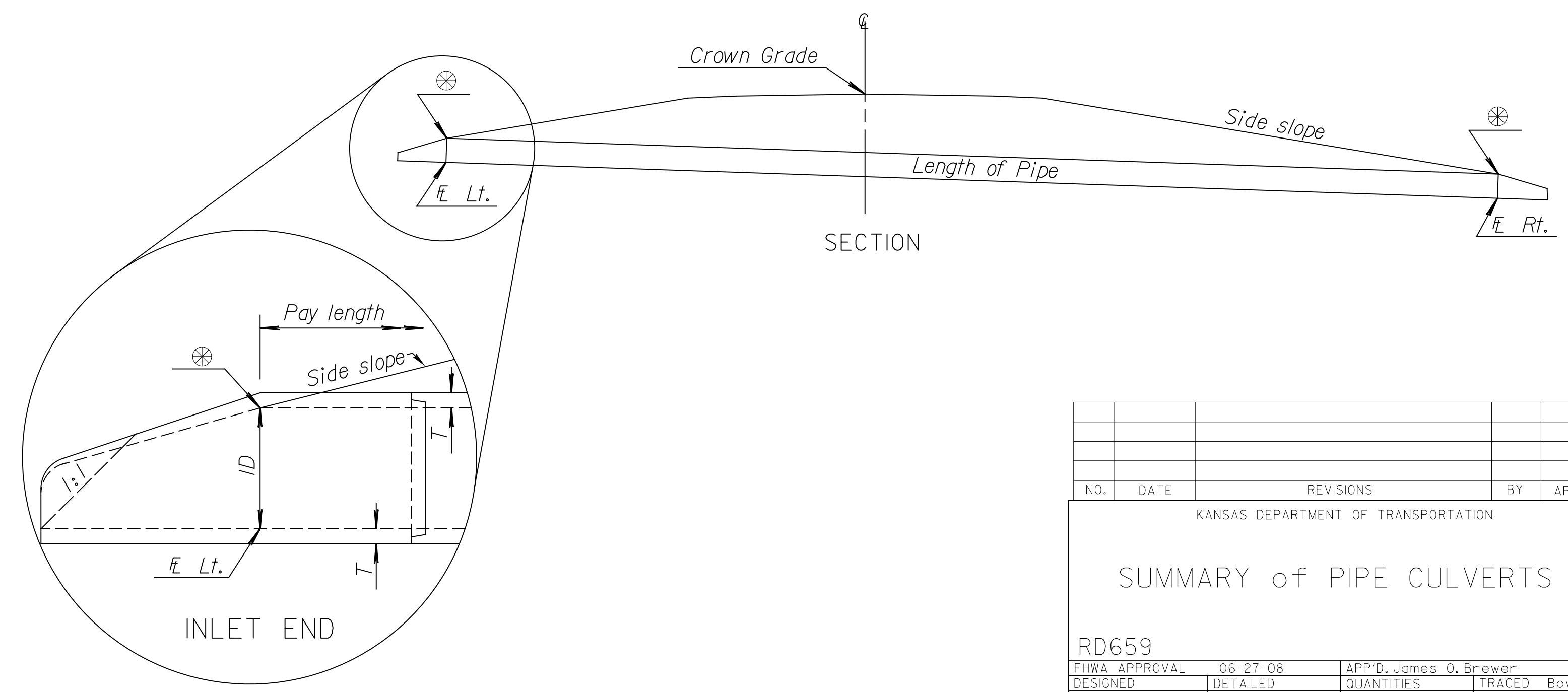
Design side slope to intersect inside diameter of pipe outside of Clear Zone.

Type	ALLOWABLE LOCATION			
	Mainline	Side Road	Entrance	Storm Sewer Under ML Not Under ML
☆ PVC				
☐ PEP				
☐ CSP				
☐ ACSP				
☐ CAP				
☐ RCP				

☆ When inside diameter of pipe is 36" or less.
 ☐ Unless otherwise specified in the plans, some pipe types may not be allowed at a location if the fill height exceeds the maximum allowable or is less than the minimum allowable cover.
 ☐ When inside diameter of pipe is 60" or less.

Type	ALLOWABLE END SECTIONS			
	CS	ACS	CA	RC
PVC				
PEP				
RCP				
ACSP				
CAP				
CSP				

☐ Type IV End Sections are only made of CS or ACS.



NO.	DATE	REVISIONS	BY	APP'D

KANSAS DEPARTMENT OF TRANSPORTATION

SUMMARY of PIPE CULVERTS

RD659

DESIGNED	06-27-08	APP'D, James O. Brewer
DESIGN CK.	DETAIL CK.	QUAN. CK. TRACE CK. King

Plotted on: Thursday December 20, 2012 01:21 PM
 kchomokar Pen Tablet: \\ovpwp001\jobs\4809\COMMON\Highway\1\brary\1\101\pen\cc_22x36.pen
 Design Filename: \\ovpwp001\jobs\4809\Hoover\CD\Detail\KDOT\Hvr_r659.dgn

