



QU	ANTITIES	
CALC. BY:	SEC	8/09
CHECKED BY: _	CTW	DATE 8/09
	<u> </u>	DATE

QUANTITY CALCULATIONS ARE ON FILE AT THE DISTRICT 4 OFFICE; BUREAU OF PROJECT IMPLEMENTATION; DOCUMENTATION SECTION

			·	r	<del>,</del>	·····			E	ACH COLLA	R	
EXISTING BOX							CONCRETE	REINFORCEMENT BARS			EXPAN. BOLTS	
W	Н	θ	A & B	С	D	Ε	†	CU. YD. (m <sup>3</sup> )	G	L	KG(LBS.)	EACH
36"	36"	34°22′3′′	18-3/4"	55-7/8"	42"	67"	4-1/2"	2.0 cy	29-5/8"	11'-2''	52 lb	8

- 1. The collar shall be constructed entirely of CLASS SI CONCRETE and in accordance with the applicable portions of section 503 of the Standard Specifications. Reinforcement bars shall conform to section 508.
- 2. Expansion bolts shall consist of approved expansion anchors, and 3/4 (M20) hook bolts which conform to section 1006.09.

  These bolts shall extend at least 8(200) into the new concrete.

All dimensions are in inches (millimeters) unless otherwise noted.

		ILLINOIS DEPARTMENT OF TRANSPORTATION
		DISTRICT CADD STANDARD
DATE REVISIONS	BY	SKEWED PIPE CULVERT
1-1-97 RENUM. J-11.03, NEW REVISION BOX,	T.P.	SVEMED LILE COLVEK!
REVISED TITLE BOX, ADDED QUANTITY		EVIENCION COLLAD
CALCULATION BOX		EXTENSION COLLAR
10-16-06 REVISED TO 2007 SPEC.	M.A.	WITH THE CECTIONS
		(WITH END SECTION)
		CADD STD. NO. 542011-D4 DRAWN BY CADD SCALE: NOT DRAWN TO SCALE CHECKED BY

542011-D4