

## PLAN VIEW UP STREAM

DATE:

QUANTITIES

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

CALC. BY:

CHECKED BY:

## PLAN VIEW DOWN STREAM

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EXISTING BOX									CONCRETE REINFORCEMENT BARS			EXPAN. BOLTS	
W	Н	6	Α	В	С	D	E	+	CU. YD. (m <sup>3</sup> )	G	L	KG(LBS.)	EACH
42"	42" PIPE		18"	18"	76"	42"	68"	5"	2.3	35"	16 <b>c</b> 12'-11"	138	10
42"	PIPE	14°	14"	14"	27"	42"	68"	5"	1.0	26"	6 <b>©</b> 9'-11''	40	10
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## GENERAL NOTES

- 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.

DOCUMENTATION SECTION 01-01-97 RENUM, J-11.03, NEW REVISION BOX, REVISED COUNTY TOTAL SHEET NO.

FULTON 240 140 TITLE BOX, ADDED QUANTITY CALCULATION BOX STATE OF ILLINOIS SKEWED PIPE CULVERT EXTENSION COLLAR (WITH END SECTION) 317 16W-2,RS-4;17W-1,RS-3 10-16-06 REVISED TO 2007 SPEC. **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 88703 NOT TO SCALE