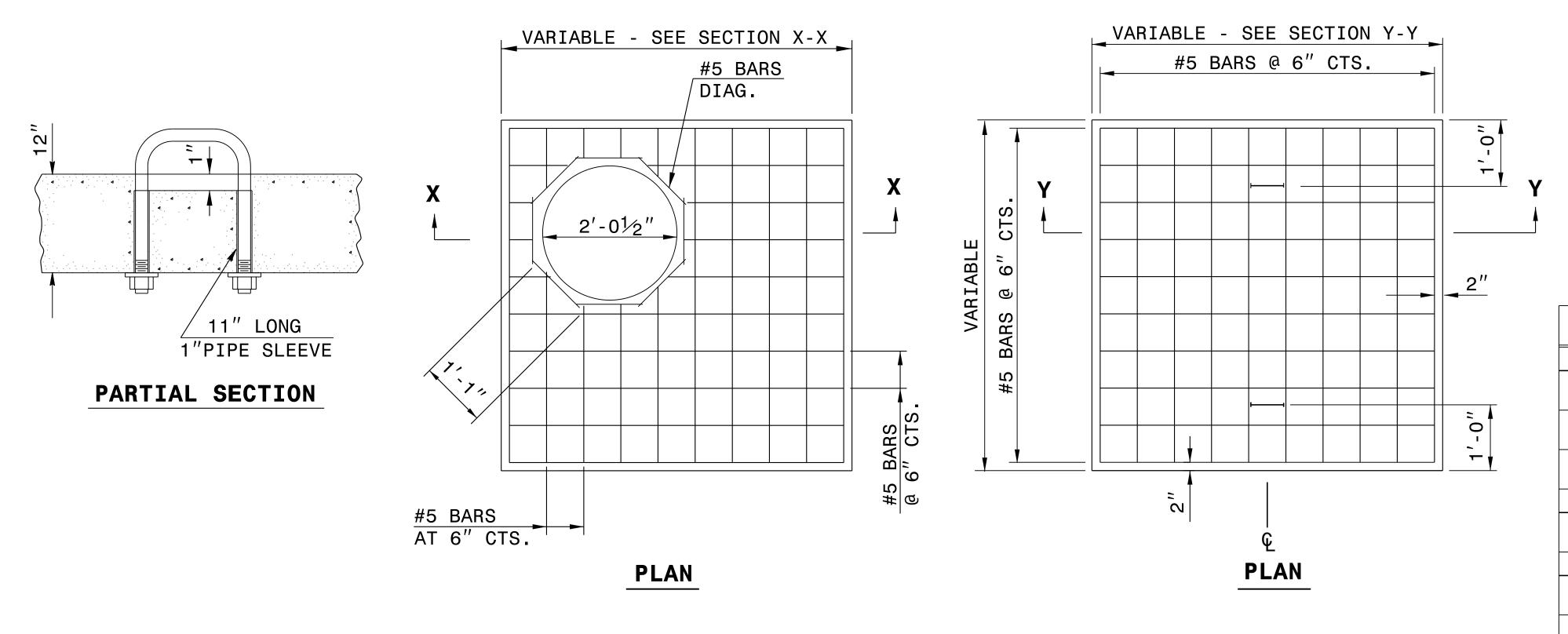
PROJECT REFERENCE NO. SHEET NO. R-5021 2C-13



MANHOLE COVER & FRAME

SEE STD. NO. 840.54

2" CL.

8" BRICK MASONRY

TOP OF EXISTING

DRAINAGE STRUCTURE

EXISTING MASONRY

WALL

EXISTING CONC. SLAB

GENERAL NOTES:

CONSTRUCT IN ACCORDANCE WITH SECTION 859 OF THE STANDARD SPECIFICATIONS.

FIELD VERIFY THE DIMENSIONS FOR THE EXISTING BOXES.

BILL OF MATERIALS					
MASONRY					
TOP SLAB CONCRETE CLASS "A"				037YDS ³	PER FT ²
BRICK MASONRY				025YDS ³	PER FT ²
REINFORCI	7.64LBS PER FT ²				
MANHOLE OPTION QUANTITIES					
SIZE	QTY.	LENGTH	REIN	F. STEE	L LBS.
#5 DIAG.	8	1'-1"		9.04	

NOTE:

CONCRETE AND REINFORCING STEEL QUANTITIES BASED ON SQUARE FOOT AREA OF THE PROPOSED TOP SLAB FOR THE EXISTING DRAINAGE STRUCTURE.

BRICK MASONRY QUANTITY IS BASED ON THE TOTAL SQUARE FOOTAGE OF EXTERIOR WALL SURFACE AREA TO BE CONSTRUCTED.

ALIGN PROPOSED BRICK VERTICAL ADJUSTMENT TO INNER FACE OF WALL VARIABLE WIDTH UP TO 7'-0" MAX.



CONTRACT STANDARDS AND DEVELOPMENT UNIT Office 919-707-6950 FAX 919-250-4119

DETAIL TO CONVERT EXISTING TRAFFIC BEARING DROP INLET OR CATCH BASIN TO TRAFFIC BEARING JUNCTION BOX (MANHOLE OPTIONAL)

ORIGINAL BY: T.S.S. MODIFIED BY: E.E.W. DATE: FEB.2000
DATE: NOV.2001 CHECKED BY: DATE:
FILE SPEC: w:ericward/usr/details/stand/boxtotbjbe.dgn

34" RAD. . 9 2-3"x¹/₄" TH ROUNDED OR SQUARE CUT WASHERS -2-HEX NUTS

VARIABLE WIDTH UP TO 7'-0" MAX.

SECTION X-X DETAIL OF HANDLE

SECTION Y-Y

#5 BAR @ 6" CTS.

2" CL.

#5 BAR @

6" CTS.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED