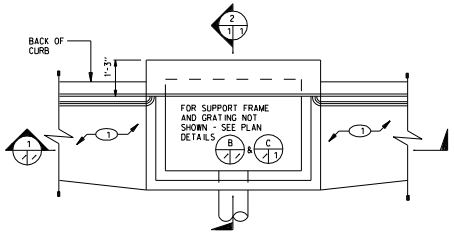
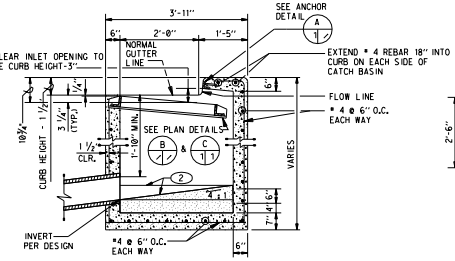
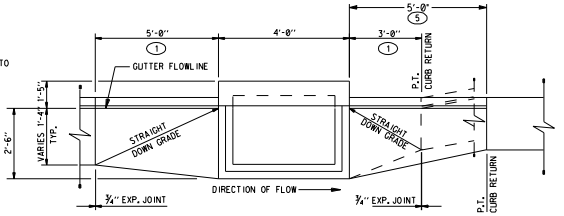


PLAN OF INLET SINGLE "C"



SECTION 2 1/1



PLAN OF TRANSITIONS AT STORM INLET

GENERAL NOTES

1. EARTH SUBGRADE UPON WHICH CONCRETE IS SET SHALL BE FIRM AND SHALL BE COMPACTED TO 95 PERCENT OF MAXIMUM DENSITY. SEE SANDIA STANDARD SPECIFICATION SECTIONS 2B AND 02200.

2. ALL BAR REINFORCEMENT SHALL BE DEFORMED AND CONFORM TO ASTM A615, GRADE 40 OR 60. BENDING OF STEEL WILL CONFORM TO REQUIREMENTS OF ACI 318. THE MINIMUM STRENGTH OF CONCRETE SHALL BE 3000 PSI AT 28 DAYS AND THE TOP SURFACES SHALL BE FLOATED WITH A WOODFLOAT TO A TRUE AND UNIFORM PLANE WITH NO COARSE AGGREGATE VISIBLE. CAST-IN-PLACE CONCRETE TO COMPLY WITH SANDIA STANDARD SPECIFICATION SECTION 03300.

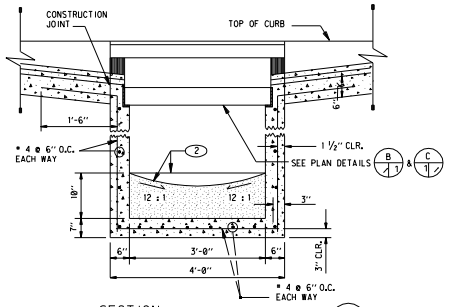
3. UNLESS OTHERWISE SPECIFIED, PREMOLDED JOINT FILLER MAY BE EITHER "PREMOLDED EXPANSION JOINT FILLER" (NONEXTRUDING AND "RESILIENT(BITUMINOUS" TYPES) CONFORMING TO THE REQUIREMENTS OF ASTM D 1751 OR "PREFORMED EXPANSION JOINT FILLER" (BITUMINOUS TYPE) CONFORMING TO THE REQUIREMENTS OF ASTM D 994.

4. ALL METAL PARTS SHALL BE OF STRUCTURAL GRADE STEEL A 36. GRIND ALL WELDS SMOOTH AND FLUSH WITH BEARING AND CROSS BARS. TOP OF CROSS BARS SHALL BE LEVEL WITH TOP OF GRATE. USE E70S-X ELECTRODES PER AWS A 5.1 - 69 FOR ALL WELDS. WHEN INSTALLING IN FRAME, PUSH GRATE TIGHT TO ONE SIDE. OTHER SIDE SHALL HAVE A ⅝" MAXIMUM OPENING. SPACERS WELDED TO FRAME MAY BE USED IF REQUIRED TO KEEP A ⅝" SPACE OR LESS. WELD TO FRAME.

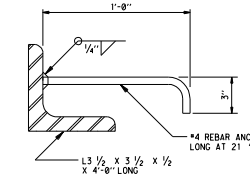
5. ALL EXPOSED METAL PARTS SHALL BE PAINTED PRIOR TO ASSEMBLY AND ANY WELDING, MACHINING AND DRILLING SHALL BE DONE PRIOR TO PAINTING. AFTER CLEANING OF SURFACE OF SCALE, RUST, ETC., GRATING AND FRAME SHALL BE PAINTED WITH ONE SHOP COAT OF ZINC-CHROMATE IRON-OXIDE PRIMER AND TWO FINISH COATS OF TYPE II ALUMINUM PAINT PER AASHTO M69. ANY DAMAGE TO THE PAINTING SHALL BE REPAIRED.

6. ALL ITEMS OF MISCELLANEOUS METAL AND STRUCTURAL STEEL TO BE IN ACCORDANCE WITH SANDIA SPECIFICATION 05500.

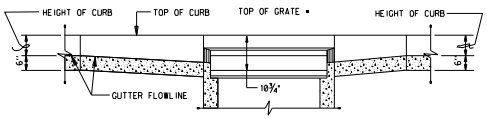
7. UNLESS OTHERWISE SPECIFIED ON PLANS, ALTERNATE GRATING IN LIEU OF METAL GRATE SHOWN CAN BE USED. HOWEVER, ALTERNATE GRATE SHALL BE A DIRECTIONAL TYPE, CONSTRUCTED OF CAST GRAY IRON PER ASTM A 48, CLASS 35B AND AS MANUFACTURED BY THE "NEENAH FOUNDRY COMPANY" CAT. NO. R-3570. BEFORE INSTALLING, IRON GRATE TO BE FINISHED PAINTED PER GENERAL NOTE 5.



SECTION 1/1



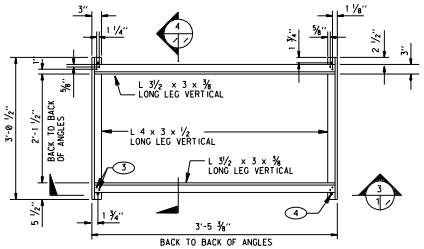
ANCHOR DETAIL A 1/1



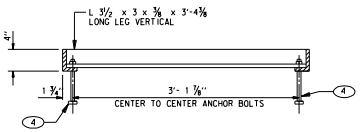
LONGITUDINAL SECTION ALONG FLOW-LINE

KEYED NOTES

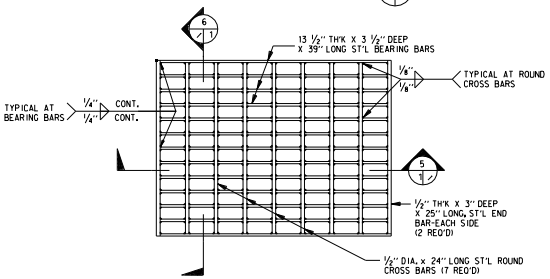
1. FOR 8" HIGH CURBS STORM INLET TRANSITION AT DOWNSTREAM END OF CATCH BASIN TO BE 3'-0" LONG AS SHOWN - WHEN FLOW GRADE IS CONTINUOUS, HOWEVER, PROVIDE 5'-0" TRANSITION EACH SIDE OF CATCH BASIN WHEN INSTALLING AT LOW POINTS.
2. CONCRETE FILL - MINIMUM 4 : 1 SLOPE TOWARD OUTLET 12 : 1 SLOPE TRANSVERSELY.
3. 2 EA. - ⅜" DIA. COUNTERSUNK RIVETS AT EACH CORNER LOCATED AS SHOWN OR ANGLE SUPPORT FRAME MAY BE CONTINUOUSLY FILLET WELDED AT ALL JUNCTURES.
4. ½" DIA. X 8" LONG SQUARE HEAD ANCHOR BOLTS AND SQUARE HEAD NUT AT EACH CORNER (A 307) 4 REQUIRED.
5. FOR 6" HIGH CURB TRANSITION TAPERS SHALL BE 5'-0" REGARDLESS OF FLOW DIRECTION.



PLAN OF SUPPORT FRAME B 1/1

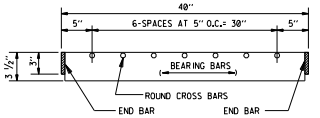


SECTION 3 1/1

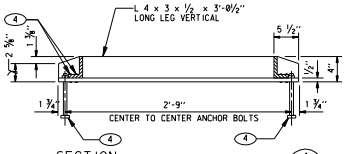


PLAN OF GRATE C 1/1

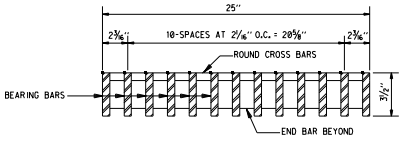
NOTE: FOR ALTERNATE GRATING SEE GENERAL NOTE 7.



SECTION 5 1/1



SECTION 4 1/1



SECTION 6 1/1

REV	DATE	DESCRIPTION	DWN	CKD	APP
1	6/07	MODS TO TRANSITIONS	PS	TR	

P.O.
PROJECT NO.

U.S. DEPARTMENT OF ENERGY
NNSA/SANDIA SITE OFFICE — ALBUQUERQUE, NEW MEXICO

SANDIA NATIONAL LABORATORIES

Single "C" Storm Inlet

P.O.	
PROJECT NO.	
DRAWN BY	
CHECKED BY	
SNL ENGR	
DATE	08/01/1993
SEQ.	

DISCP: W SUB-DISCP: R STD

SIZE D+ DRAWING NO. WR3001STD.DGN

OLD FILENAME: 0833894.01
FILENAME: WR3001STD.dgn