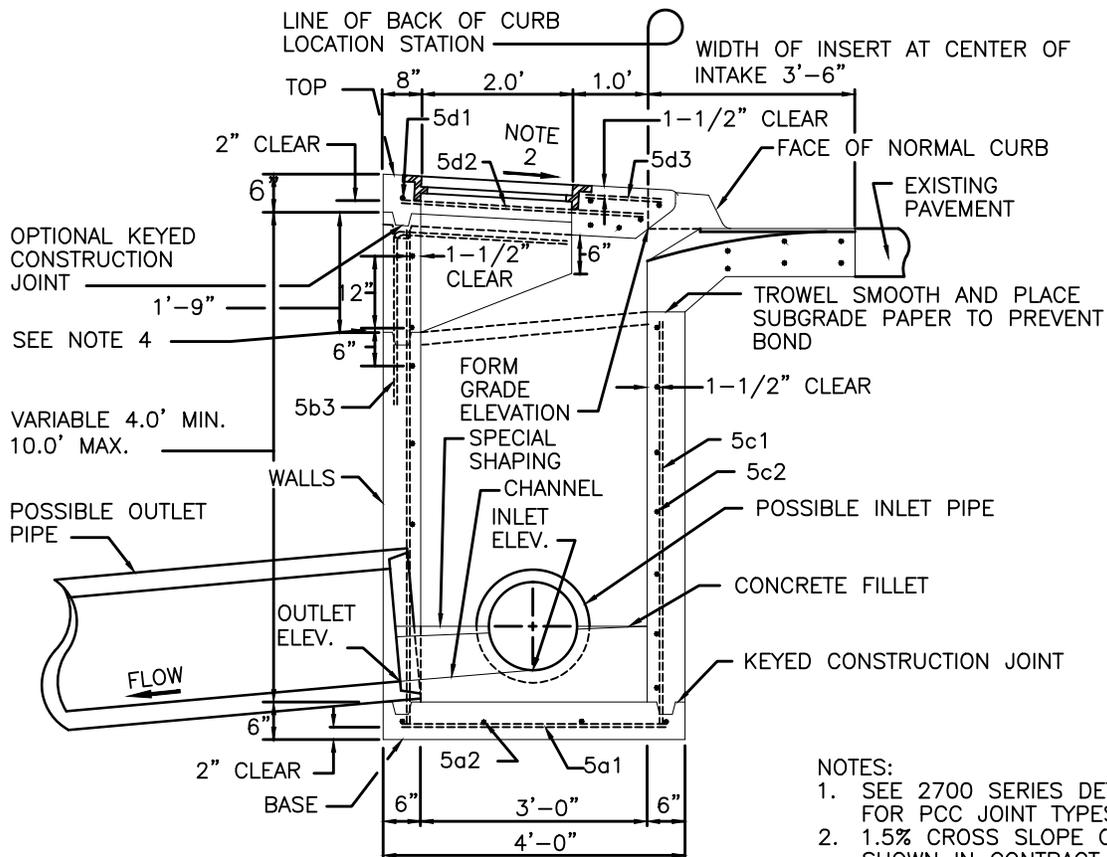


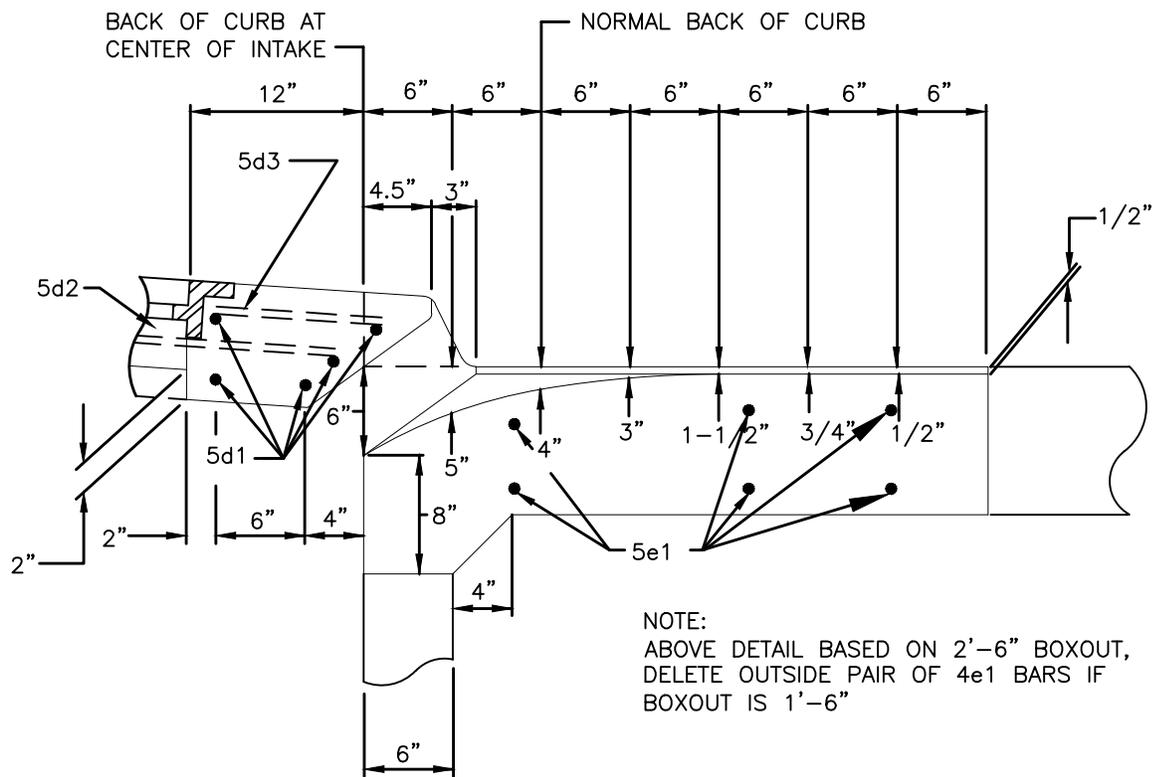
PLAN VIEW



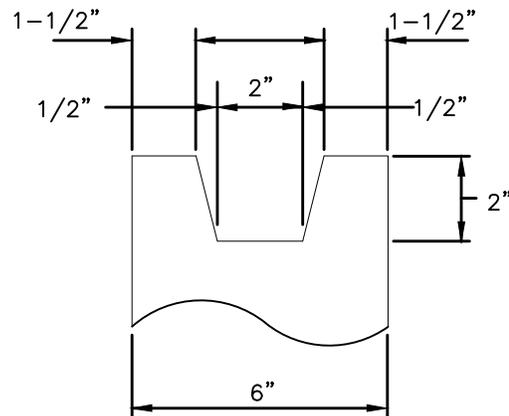
SECTION A-A

- NOTES:
1. SEE 2700 SERIES DETAILS FOR PCC JOINT TYPES.
  2. 1.5% CROSS SLOPE OR AS SHOWN IN CONTRACT DOCUMENTS

FILE NO.: 2400-065	CEDAR RAPIDS METROPOLITAN AREA STANDARD DETAILS FOR PUBLIC IMPROVEMENTS		NO. 2400-065
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REVISION NO.: 2	METRO RA-5 - SHEET 1 OF 3 INTAKE		
REVISION DATE: MAY 2014			



INSERT DETAIL



KEYED CONSTRUCTION  
JOINT DETAIL

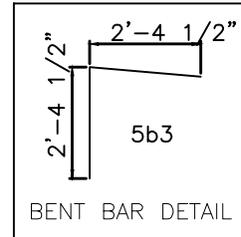
FILE NO.: 2400-065
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CEDAR RAPIDS METROPOLITAN AREA  
 STANDARD DETAILS FOR PUBLIC IMPROVEMENTS

METRO RA-5 - SHEET 2 OF 3  
 INSERT DETAIL

NO.  
 2400-065

REINFORCING BAR LIST							
BAR	LOCATION	SHAPE	NO.	LENGTH	LIN. FT.	WEIGHT	SPACING
5a1	BASE	————	8	3'-9"	30	20	12"
5a2	BASE	————	4	8'-6"	34	23	12"
5b1	WALL	————	6	4'-0" 10'-0"	24 60	25 63	12"
5b2	WALL	————	3 7	8'-6"	26 60	27 62	6" AND 12" SEE DETAIL
5b3	WALL	┌————	2	5'-0"	10	10	4"
5c1	WALL	————	6	3'-0" 9'-0"	18 54	19 56	12"
5c2	WALL	————	3 7	8'-6"	26 60	27 62	6"
5d1	TOP	————	6	8'-6"	51	34	SEE DETAIL
5d2	TOP	————	7	3'-4"	23	16	1'-1"
5d3	TOP	————	16	1'-2"	19	12	6"
5e1	INSERT	————	6	14'-4" 19'-4"	86 116	57 77	SEE DETAIL
TOTAL						270 435	



NOTES:

1. DIMENSIONS SHOWN HEREON ARE FOR THE CONSTRUCTION OF A NORMAL 6 INCH CURB AS A PART OF THE PAVEMENT. MODIFICATIONS MAY BE MADE TO CONFORM TO OTHER CURB SHAPES AND INTAKE DESIGNS WHEN NECESSARY.
2. A CONCRETE FILLET SHALL BE CONSTRUCTED IN THE BOTTOM OF THE INTAKE. SPECIAL SHAPING OF THIS FILLET IS REQUIRED TO PROVIDE A SMOOTH CHANNEL THROUGH THE INTAKE. TOP SURFACE OF THE FILLET SHALL SLOPE APPROXIMATELY 1"/FOOT TOWARD THE CHANNEL.
3. THE BRACKETS AND UPPER PORTION OF THE BACKWALL SHALL BE PLACED OR PRECAST AS SINGLE UNIT TO THE DIMENSIONS SHOWN HEREON.
4. INTAKE BASE AND WALLS SHALL BE CONSTRUCTED TO POINT NOTED PRIOR TO PAVEMENT CONSTRUCTION. AFTER PAVEMENT CONSTRUCTION, REMAINDER OF WALLS, TOP AND INSERT SHALL BE CONSTRUCTED.
5. CAST SLEEVED OPENINGS THROUGH WALLS FOR SUBDRAIN IF NECESSARY.

FILE NO.: 2400-065	CEDAR RAPIDS METROPOLITAN AREA STANDARD DETAILS FOR PUBLIC IMPROVEMENTS		NO. 2400-065
APPROVAL DATE: APRIL 2003			
REVISION NO.: 2	METRO RA-5 - SHEET 3 OF 3 REINFORCING BAR LIST AND GENERAL NOTES		
REVISION DATE: MAY 2014			