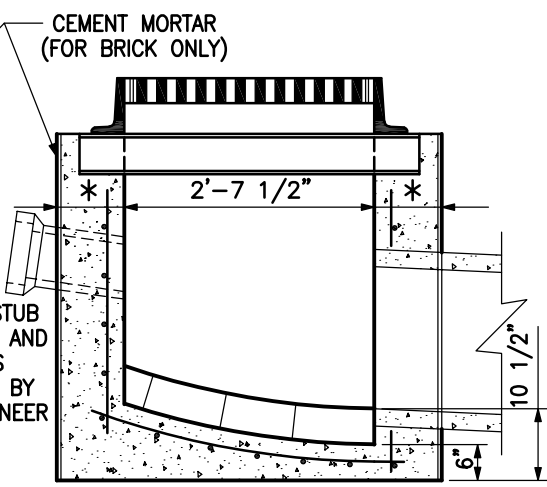
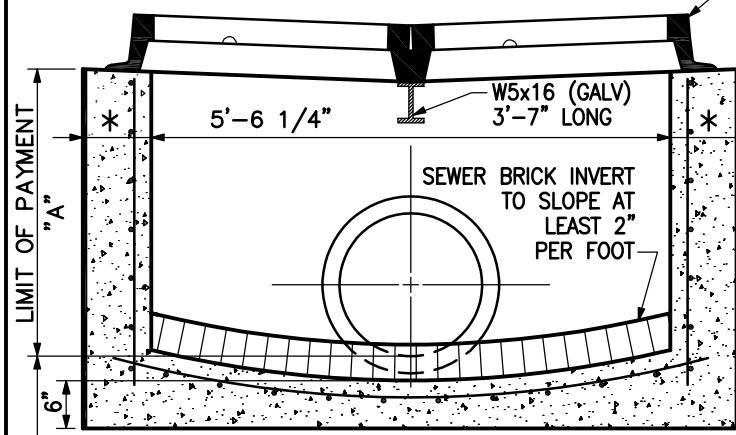


FOR MODIFICATIONS TO INLET AND 'S' FRAME AND GRATES WHEN USED IN DITCH INSTALLATION SEE BC 380.31.

TOP OF FRAMES SHALL CONFORM WITH NORMAL ROADWAY SLOPE.  
 FOR ALLEY INSTALLATION, SET TOP OF FRAMES SO AS TO CONFORM WITH CROSS SLOPE OF ALLEY (STANDARD CROSS SLOPE IS 1/2" PER FOOT.)  
 SET TOP OF FRAMES 1/4" BELOW FINISHED GRADE OF ALLEY.

PLAN



SECTION A-A



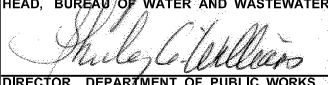
SECTION B-B

\* SEE CHART FOR WALL THICKNESS

	PRECAST	CAST-IN-PLACE/BRICK
WALL THICKNESS	6" MIN	8 1/2 "
REINF	2 LAYERS- 4x4 W4.0 x W4.0- WWF	NO. 4 BARS @ 6" CC EW 2" COVER
CONCRETE	MIX 6	MIX 3
ALLOWABLE DEPTH	DPW APPROVAL REQUIRED OVER 15'	

NOTES:

1. INLET MAY BE CONSTRUCTED OF BRICK, CAST IN PLACE OR PRECAST CONCRETE. SEE TABLE FOR CONCRETE AND STEEL REQUIREMENTS. SEE LATEST DPW SPEC FOR INLETS.
2. TOP 4" OF CONCRETE WALLS MAY BE BRICK MASONRY TO BRING GRATE TO REQUIRED GRADE.
3. PLACE 1/4" EXPANSION MATERIAL BETWEEN FRAME AND ABUTTING RIGID PAVEMENT AND BETWEEN ENDS OF INLET CURB AND NORMAL CURB.
4. IF 6" MIX 1 CONCRETE IS USED AS FOUNDATION FOR BRICK INLET, PLACE NO. 4 DEFORMED BARS AT 12" CC BOTH WAYS, 2" CLEAR FROM TOP.
5. REINFORCEMENT REQUIRED ON OUTSIDE, AS WELL AS ON INSIDE OF WALLS, WHEN "A" IS GREATER THAN 7'-0". BAR SPACING SAME AS FOR INSIDE WALL.
6. DEPTH OF INLET CONNECTION IN ALLEYS TO BE 42" FROM INVERT OF ALLEY GRADE. NO DEVIATION FROM THE 42" DEPTH WILL BE CONSIDERED FOR PAYMENT UNLESS DIRECTED BY THE ENGINEER IN WRITING.

	APPROVED:  HEAD, BUREAU OF WATER AND WASTEWATER	CITY OF BALTIMORE DEPARTMENT OF PUBLIC WORKS BUREAU OF WATER AND WASTEWATER	ISSUED	REVISED	REVISED
	 DIRECTOR, DEPARTMENT OF PUBLIC WORKS		3 / 2008		
TYPE 'S' INLET DOUBLE GRATE TANDEM			<b>STANDARD NO.</b> <b>BC 380.21</b>		
			SCALE: NONE		SHEET 1 OF 1