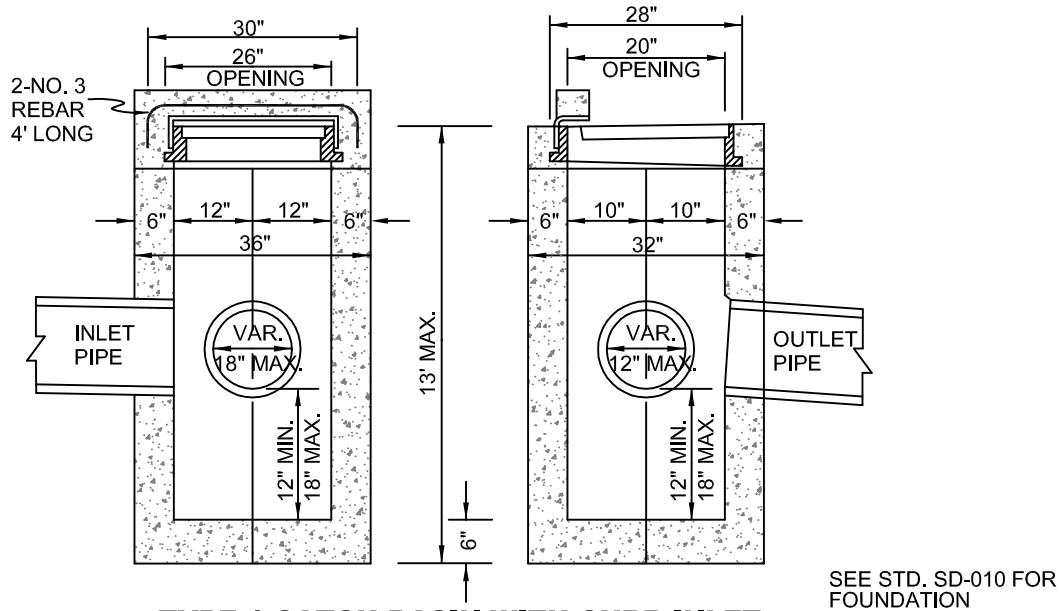


**TYPE 1 CATCH BASIN WITH STD. FRAME AND GRATE**



**TYPE 1 CATCH BASIN WITH CURB INLET**  
(REQUIRED FOR SLOPES 10% OR GREATER)

**NOTES:**

1. CONSTRUCTION OF CAST-IN-PLACE BASES, INCLUDING SLIP-FORM METHOD, ARE NOT PERMITTED WITHOUT APPROVAL OF THE ENGINEER.
2. PIPE ENDS SHALL BE FLUSH WITH THE INNER WALL OR 1" MAX. INTRUSION.
3. MASONRY, CINDER BLOCKS, OR SIMILAR MATERIALS MAY BE USED TO ADJUST THE CURB INLET TO GRADE PRIOR TO GROUTING. WOOD OR OTHER NON-DURABLE MATERIALS SHALL NOT BE USED FOR THIS PURPOSE.
4. GROUTING SHALL BE SUFFICIENT TO PREVENT LEAKS BETWEEN THE PRECAST COMPONENTS OF THE COMPLETED STRUCTURE.
5. THE METAL FRAME & GRATE SHALL BE SET TO A SLOPE TO CONFORM TO THE PARTICULAR DRAINAGE PROBLEM. THE METAL FRAME SHALL BE INSTALLED WITH FLANGE DOWN.
6. CATCH BASIN FRAME & GRATE SHALL BE IN ACCORDANCE WITH STD. SPECIFICATIONS & MEET THE STRENGTH REQUIREMENTS OF FEDERAL SPECIFICATIONS RR-F-621D. MATING SURFACES SHALL BE FINISHED TO ASSURE NON-ROCKING FIT WITH ANY COVER POSITION.
7. ALL CONCRETE SHALL BE CLASS 3000 MINIMUM.
8. ALL REINFORCED STEEL SHALL HAVE 1-1/2" CLEAR COVER UNLESS OTHERWISE NOTED & SHALL BE GRADE 40 OR GRADE 60.



**POURED IN PLACE CATCH BASIN**

STANDARD PLAN:  
**SD - 030**

CITY ENGINEER APPROVAL:

DATE: **FEB. 2007**

Longview: **C.B.**

Kelso: **S.Z.**