


1. CATCH BASINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C-478 (AASHTO M199) AND ASTM C890 UNLESS OTHERWISE SHOWN ON PLANS OR NOTED IN THE STANDARD SPECIFICATIONS.
2. HANDHOLDS IN ADJUSTMENT SECTION SHALL HAVE 3" MIN. CLEARANCE. STEPS IN CATCH BASIN SHALL HAVE 6" MIN. CLEARANCE. HANDHOLDS SHALL BE PLACED IN ALTERNATING GRADE RINGS OR CONCRETE BRICKS COURSE WITH A MINIMUM OR ONE HAND- HOLD BETWEEN THE LAST STEP AND THE TOP OF THE FINISHED GRADE
3. ALL REINFORCED CAST IN PLACE AND PRECAST CONCRETE SHALL BE CLASS 4000.
4. PRECAST BASES SHALL BE FURNISHED WITH CUTOUTS OR KNOCKOUTS. KNOCKOUTS SHALL HAVE A MIN WALL THICKNESS OF 2". UNUSED KNOCKOUTS DO NOT REQUIRE GROUTING IF FACTORY WALL IS LEFT INTACT. PIPES SHALL BE INSTALLED ONLY IN FACTORY KNOCKOUTS UNLESS OTHERWISE APPROVED BY THE ENGINEER.
5. KNOCKOUT OR CUTOUT HOLE SIZE SHALL BE PER MANUFACTURERS GUIDELINES. MAX. HOLE SIZE SHALL BE 36" FOR 48" CATCH BASIN, 42" FOR 54" CB, 48" FOR 60" CB, 60" FOR 70" CB 84" FOR 96" CB MIN. DISTANCE BETWEEN HOLES SHALL BE 8" FOR 48", 54" AND 60" CB; 12" FOR 72" AND 96" CB'S.
6. CATCH BASIN FRAMES AND GRATES OR COVERS SHALL BE IN ACCORDANCE WITH SECTION 7.05 OF THE STANDARD SPECIFICATIONS. MATING SURFACES SHALL FINISHED TO ASSURE NON-CRACKING FIT WITH ANY COVER POSITION.
7. ALL BASE REINFORCING STEEL SHALL HAVE A MIN YIELD STRENGTH OF 6,000 PSI AND SHALL BE PLACED IN THE UPPER HALF OF THE BASE WITH 1" MIN. CLEARANCE.
8. MINIMUM SOIL BEARING VALUE SHALL EQUAL 3,000 POUNDS PER SQUARE FOOT.
9. SEE CITY STANDARD "MANHOLE LADDER AND STEP" DETAIL 4030.
10. SEE WSDOT STANDARD SPECIFICATION SECTION 7-05.3 FOR JOINT REQUIREMENTS.
11. MORTAR SHALL BE PLACED BETWEEN EACH LEVEL OF ADJUSTING RINGS, TOP OF TOP SLAB, AND BOTTOM OF MANHOLE RING.

	<h2 style="margin: 0;">City of Bremerton</h2> <hr style="width: 20%; margin: 5px auto;"/> <p style="margin: 0;">PUBLIC WORKS</p>	<h2 style="margin: 0;">TYPE II CATCH BASIN</h2>		
<p>DESIGN/CONSTRUCTION STANDARDS</p>	<p style="font-size: small;">Alteration of this drawing is prohibited. Any approval of an altered drawing is unauthorized and void.</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center; padding: 5px;">4004</td> </tr> <tr> <td style="text-align: center; padding: 5px;">Revision Date 11/10/15</td> </tr> </table>	4004	Revision Date 11/10/15
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