

**SPQA - City Construction Standards for Sewers and Watermains  
Revision Information No. 6 - November 2009**

<b>NUMBER</b>	<b>DATE</b>	<b>REMARKS</b>
TS 7.30	Nov '09	<b>Procedure for Disinfecting Watermains</b> <ul style="list-style-type: none"> <li>• Supersede TS 7.30 April 2008</li> <li>• The wording in Section 7.30.08.01.01 has been revised because the contractor's understanding of the wording was not the same as what the City's understanding was on the matter.</li> </ul>
OPSD 400.001	Nov '07	<b>Hoisting hook rib for cast iron frames for catch basins, maintenance holes, and valve chambers</b> <ul style="list-style-type: none"> <li>• New</li> </ul>
OPSD 400.01	Mar '87	<b>Catch basin, cast iron, frame &amp; dished square grate</b> <ul style="list-style-type: none"> <li>• Cancelled due to bicycle safety concerns.</li> </ul>
OPSD 400.010	Nov '07	<b>Cast iron, square frame with square overflow type dished grate for catch basins, herring bone openings</b> <ul style="list-style-type: none"> <li>• New</li> </ul>
OPSD 400.020	Nov '07	<b>Cast iron, square frame with square flat grate for catch basins, herring bone openings</b> <ul style="list-style-type: none"> <li>• Supersede OPSD 400.02, Mar 1987</li> <li>• Hinge pin diameter revised.</li> <li>• The dimensions of the Slot Detail have been revised.</li> <li>• Frame ribs modified for use with a hoisting hook and safety catch.</li> <li>• The thickness of the ribs has been revised from 19 mm to 20 mm.</li> </ul>
OPSD 400.030	Nov '07	<b>Cast iron, square frame with square v grate for catch basins, herring bone openings</b> <ul style="list-style-type: none"> <li>• Supersede OPSD 400.03, Mar '87</li> <li>• The dimensions of the Slot Detail have been revised.</li> <li>• Frame ribs modified for use with a hoisting hook and safety catch.</li> <li>• The thickness of the ribs has been revised from 19 mm to 20 mm.</li> </ul>
OPSD 400.06	Sep '93	<b>Catch basin, cast iron, raised frame and circular grate, flat or dished slotted opening</b> <ul style="list-style-type: none"> <li>• Cancelled</li> <li>• This frame and grate is manufactured only by McCoy Foundry. They have advised that they no longer make this product.</li> </ul>
OPSD 400.070	Nov '07	<b>Cast iron, raised square frame with circular flat grate for catch basins, herring bone openings</b> <ul style="list-style-type: none"> <li>• Supersede OPSD 400.07, Sep '93</li> <li>• Hoisting hook ribs added for use with a hoisting hook and safety catch.</li> </ul>
OPSD 400.080	Nov '07	<b>Cast iron, side inlet for catch basins</b> <ul style="list-style-type: none"> <li>• Supersede OPSD 400.08, Mar '87</li> <li>• Hoisting hook ribs added for use with a hoisting hook and safety catch.</li> </ul>

NUMBER	DATE	REMARKS
OPSD 400.081	Nov '07	<b>Cast iron, curb inlet frame with two-piece raised cover for catch basins out of roadway</b> • New
OPSD 400.082	Nov '07	<b>Cast iron, raised curb inlet frame with cover for catch basins out of roadway</b> • New
OPSD 400.090	Nov '07	<b>Cast iron, curb inlet overflow for catch basins</b> • Supersede OPSD 400.09, Mar '87 • Hoisting hook ribs added for use with a hoisting hook and safety catch.
OPSD 400.10	Jul '90	<b>Catch basin, cast iron frame and flat grate (perforated)</b> • Cancelled
OPSD 400.11	Jul '90	<b>Catch basin, cast iron frame and flat grate, (perforated) overflow type</b> • Cancelled
OPSD 400.120	Nov '07	<b>Cast iron, square frame with birdcage grate for catch basins</b> • Sepersede T-400.03-1, Jun '01
OPSD 401.010	Nov '07	<b>Cast iron, square frame with circular closed or open cover for maintenance holes</b> • Supersede OPSD 401.01, Sep '93 • Frame ribs modified for use with a hoisting hook and safety catch. • The thickness of the ribs has been revised from 19mm to 20mm. • The keyways and lugs have been deleted.
OPSD 401.020	Sep '93	<b>Maintenance hole, cast iron, cover and circular frame</b> • cancelled
OPSD 401.030	Nov '07	<b>Cast iron, square frame with circular watertight cover for maintenance holes</b> • Supersede OPSD 401.03, Sep '93 • Frame ribs modified for use with a hoisting hook and safety catch • The thickness of the ribs has been revised from 19mm to 20mm • Cap screws in Section B-B have been revised to stainless steel hex bolts • The keyways and lugs have been deleted
OPSD 401.040	Nov '07	<b>Cast iron, raised square frame with circular closed or open cover for maintenance holes</b> • Supersede OPSD 401.040, Sep '93 • Hoisting hook ribs added for use with a hoisting hook and safety catch. • In Sections C-C and D-D, the thickness of the Type A and B covers has been revised to 67mm
OPSD 401.050	Nov '07	<b>Cast iron, raised square frame with circular watertight cover for maintenance holes</b> • Supersede OPSD 401.050, Sep '93 • Cap screws in Section B-B have been revised to stainless steel hex bolts • The keyways and lugs have been deleted • Hoisting hook ribs added for use with a hoisting hook and safety catch
OPSD 401.060	Nov '07	<b>Cast iron, circular locking cover, for maintenance holes</b> • Supersede OPSD 401.0660, Sep '93 • Section line A-A added to Cover. • Drawing has been reaffirmed. No changes to technical information.

NUMBER	DATE	REMARKS
OPSD 402.010	Nov '07	<p><b>Cast iron, square frame with circular cover and plug for valve chambers</b></p> <ul style="list-style-type: none"> <li>• Supersede OPSD 402.01, Mar '89</li> <li>• Frame ribs modified for use with a hoisting hook with a safety catch</li> <li>• The thickness of the ribs has been revised from 19mm to 20mm</li> <li>• The keyways and lugs have been deleted.</li> </ul>
OPSD 402.011	Nov '07	<p><b>Cast iron, square frame with vented circular cover and plug for valve chambers</b></p> <ul style="list-style-type: none"> <li>• Supersede OPSD 402.011, Nov'01</li> <li>• Frame ribs modified for use with a hoisting hook with a safety catch</li> <li>• The thickness of the ribs has been revised from 19mm to 20mm</li> <li>• The keyways and lugs have been deleted. Section D-D has been deleted</li> </ul>
OPSD 402.020	Nov '07	<p><b>Cast iron, raised square frame with circular cover and plug for valve chambers</b></p> <ul style="list-style-type: none"> <li>• Supersede OPSD 402.020, Sep '93</li> <li>• Frame ribs modified for use with a hoisting hook with a safety catch</li> <li>• The thickness of the ribs has been revised from 19mm to 20mm</li> <li>• The keyways and lugs have been deleted.</li> </ul>
OPSD 402.021	Nov '07	<p><b>Cast iron, raised square frame with vented circular cover and plug for valve chambers</b></p> <ul style="list-style-type: none"> <li>• New</li> </ul>
OPSD 402.030	Nov '07	<p><b>Cast iron, rectangular frame with two piece cover for meter and valve chambers</b></p> <ul style="list-style-type: none"> <li>• Supersede OPSD 402.03, Sep '87</li> <li>• Modified to enable easier lifting.</li> <li>• The height of the frame has been increased from 79 to 145mm.</li> <li>• Frame ribs modified for use with a hoisting hook with a safety catch</li> <li>• Both covers are now bolted.</li> <li>• 8 holes have been added to fasten the frame to the valve chamber</li> <li>• 8 holes for a 16mm dia. Bolt with 3mm rectangular flat rubber gasket have been added to the rectangular cover to be fastened to the frame</li> <li>• 3 lift pockets have been added to the rectangular cover</li> <li>• 4 holes for a 13mm dia. bolt with 3mm round flat rubber gasket have been added to the circular cover to be fastened to the rectangular cover.</li> </ul>
OPSD 403.010	Nov '07	<p><b>Galvanized steel, honeycomb grating for ditch inlets</b></p> <ul style="list-style-type: none"> <li>• Supersede OPSD 403.01, Mar '87</li> <li>• Grate fasteners relocated from the top and bottom of the ditch inlet grate to the sides of the ditch inlet grate</li> <li>• Fastener Detail has been revised to a 13 x 95mm stainless steel expansion anchor.</li> <li>• The Fastener Embedment Detail has been revised according to the revised stainless steel expansion anchor.</li> </ul>
OPSD 404.010	Nov '06	<p><b>Precast concrete valve chamber with poured-in-place thrust blocks, safety platform and ladder</b></p> <ul style="list-style-type: none"> <li>• New</li> </ul>
OPSD 404.020	Nov '08	<p><b>Aluminums safety platform for circular maintenance hole</b></p> <ul style="list-style-type: none"> <li>• Supersede OPSD 404.020, Sep '96</li> <li>• Beam detail Is Replaced by Section B-B.</li> <li>• The thickness g in Section B-B added to the table.</li> <li>• Notes A and D rewritten.</li> </ul>

NUMBER	DATE	REMARKS
OPSD 404.021	Nov '08	<b>Aluminums safety platform for 1500 mm diameter circular maintenance hole with drop pipe</b> • New
OPSD 404.022	Nov '08	<b>Aluminums safety platform for 1800 mm diameter circular maintenance hole with drop pipe</b> • New
OPSD 405.010	Nov '08	<b>Maintenance hole steps, hollow</b> • Supersede OPSD 405.010, Sep '96 • The drawing has been reaffirmed. No changes to technical informaiton.
OPSD 405.020	Nov '08	<b>Maintenance hole steps, solid</b> • Supersede OPSD 405.020, Sep '96 • The diameter of Circular Aluminum Type A and Type B steps revised from 18.5 mm to 20 mm. • Note A rewritten.
OPSD 406.010	Nov '08	<b>Aluminum ladder</b> • Supersede OPSD 406.01, Mar '87 • Type 304 stainless steel wedge anchor specified rather than stainless lag bolts and expansion shields to attach aluminum ladder to maintenance hole wall. • The width of the ladder revised from 380 mm to 400 mm. • A Bracket Detail added. • The bracket spacing revised from 2.0 m to 1.5 m max.
OPSD 406.02	Mar '87	<b>Steel ladder</b> • Cancelled
T-708.020	Nov '08	<b>Connection detail for Pipe at catch basin or maintenance hole</b> • Supersede T-708.020, Jun '01 • Note 2 was added and the title of drawing reworded
T-1104.03-3	Dec '08	<b>Temporary Supply and Disinfection Connection</b> • New
T-1105.02-1	Nov '08	<b>Standard Service Connection - 1</b> • Supersede T-1105.02-1, Aug '07 • Note 3 was reworded.
T-1105.02-2	Nov '08	<b>Standard Service Connection - 2</b> • Supersede T-1105.02-2, Aug '07 • Note 3 was reworded.
T-1107.05	Dec '08	<b>Typical 150mm Watermain on Cul-de-sac</b> • New