
REVISION INFORMATION

DIVISION 4 – SURFACE WORKS STANDARD CONSTRUCTION SPECIFICATIONS

REVISION SUMMARY

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Revised Specifications

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- CW 3310-R12 – Portland Cement Concrete Pavement Works
- CW 3330-R4 – Installation of Interlocking Paving Stones

Revised Standard Details

- SD-203B, SD-210B, SD-215, SD-232, SD-234, SD-235, SD-236, SD-237A, SD-238A, SD-239

New Standard Details

- SD-223A, SD-223B, SD-237

Deleted Standard Detail

- SD-227B

Approved Products for Surface Works

Approved Concrete Mix Designs

- Concrete Suppliers approved for 2008

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EXPLANATION OF THE REVISION SUMMARY

(All revisions are highlighted yellow in Specifications)

Revised Specifications

CW 3120-R2 – Installation of Subdrains

Section 2.7.1 Removed polyvinyl chloride (PVC) pipe as a drainage pipe material. Revised to, “Supply 150 millimetre diameter gasketed bell and spigot High Density Polyethylene (HDPE) Type SP pipe with class 2 perforations in accordance with AASHTO M 252-07.”

Section 2.7.2 Revised to, “All perforations shall be slotted with a minimum water inlet area of 30 square centimetres per meter of pipe.”

Section 2.7.3 Removed clause.

CW 3230-R6 – Full-Depth Patching of Existing Pavement Slabs and Joints

Section 9.1 Added the sixth paragraph “When an asphalt overlay will be placed upon completion of the full depth repairs, 35 millimetre chips or spalls along the edge of the adjacent pavement will be allowed. No additional saw cutting and removal will be required.”

CW 3240-R7 – Renewal of Existing Curbs

Section 1.4.12 Added, “SD-223A Monolithic Concrete Splash Strip”.

Section 1.4.13 Added, “SD-223B Separate Concrete Splash Strip”.

Section 3.3.11 Revised to, “Install splash strips in accordance with SD-223A and SD-223B. When the total curb height exceeds 250 millimetres, the Contractor has the option at his expense to shape the base course in accordance with SD-223A.”

Section 4.1 Revised to, “vii) Splash Strips**” where ** is “Monolithic or Separate”.

Section 4.2 Revised to, “ix.) Splash Strips**” where ** is “height, monolithic or separate, type, width and reference to Standard Detail to be specified”.

Section 4.3 Revised to, “ix.) Splash Strips (**) (***)” where (***) is “height, monolithic or separate, type, width and reference to Standard Detail to be specified”

CW 3310-R12 – Portland Cement Concrete Pavement Works

Section 5.3.1 Revised the petrographic number specification limit to 125 for coarse aggregate.

Section 5.3.4 Replaced this clause with requirements for concrete mixing water to conform to ASTM C1602M, testing frequency to be included in the concrete supplier’s quality control program and test data indicating compliance with ASTM C1602M shall be provided with the Mix Design Statement.

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Explanation of the Revision Summary – Cont'd.

- Section 6.2 Revised the format of Type 1 concrete by adding “vii. Air Content 5.0% to 8.0%”.
- Section 6.6 Replaced compressive strength requirements with mix design requirements, grading requirements and calcium chloride temperature requirements.
- Section 9.10 Added a new section in Construction Methods for Temporary Restoration of Utility Pavement Cuts.
- Section 13.4 Revised to “viii. Construction of Splash Strips (**)” and added “*** Specify height, monolithic or separate, type, width and referenced Standard Detail.
- CW 3330-R4 – Installation of Interlocking Paving Stones**
- Section 5.2.5 Added section, “Plastic Edge Support” defining the material as high density polyethylene and acceptable plastic edge support as “Snap Edge”.
- Section 9.3 Added the second paragraph to define the construction method for installation of plastic edge support; only applicable for residential approaches.

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Revised Standard Details

- SD-203B Modified Barrier Curb**
- Clarified 25mm edge to modified barrier curb without asphalt.
 - Clarified variable depth of asphalt to coincide with the grade break at the face of the modified barrier curb.
- SD-210B Tie Bar Installation for Lane-at-a-Time Paving**
- Revised to include 2 options for placement of tie bars; straight and 30 degree.
- SD-215 Placement of Steel in Plain-Dowelled Concrete Pavement**
- Revised clearance of tie bars from transverse joints to 300.
- SD-223A Monolithic Concrete Splash Strip**
- New Standard Detail showing monolithic concrete splash strip without asphalt, with asphalt ≤ 100 , and with asphalt > 100 .
- SD-223B Separate Concrete Splash Strip**
- New Standard Detail showing separate concrete splash strips applicable to four referenced curb standard details.
- SD-227B Concrete Splash Strip**
- Deleted this Standard Detail.
- SD-232 Private Approach on Regional Streets (with Barrier Curb)**
- Added reference to new Standard Detail SD-237 Residential Approach Reinforcing Steel.
 - Revised tie bars to existing concrete to 15M Tie Bars 600mm Long @ 600 O.C.
- SD-234 Private Approach on Regional Streets (with Ditch Drainage)**
- Added reference to new Standard Detail SD-237 Residential Approach Reinforcing Steel.
 - Revised tie bars to existing concrete to 15M Tie Bars 600mm Long @ 600 O.C.
- SD-235 Residential Approach - Concrete (with Existing Barrier Curb)**
- Added reference to new Standard Detail SD-237 Residential Approach Reinforcing Steel.
 - Revised tie bars to existing concrete to 15M Tie Bars 600mm Long @ 600 O.C.
- SD-236 Residential Approach - Concrete (with Existing Lip Curb)**
- Added reference to new Standard Detail SD-237 Residential Approach Reinforcing Steel.
 - Revised tie bars to existing concrete to 15M Tie Bars 600mm Long @ 600 O.C.
- SD-237 Residential Approach Reinforcing Steel**
- New standard detail showing two reinforcing alternatives with 12.7 plain and 10M deformed bar mat steel for residential approaches.
- SD-237A Residential Approach – Paving Stone (with Existing Barrier Curb)**
- Added Plastic Edge Support as a third option for edge support for residential approach paving stone.

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Explanation of the Revision Summary – Cont'd.

- SD-238A** **Residential Approach – Paving Stone (with Existing Lip Curb)**
- Added Plastic Edge Support as a third option for edge support for residential approach paving stone.
- SD-239** **Residential Approach – Gravel, Concrete or Asphalt**
- Revised reference for reinforcing steel to SD-237 Residential Approach Reinforcing Steel.

Approved Products for Surface Works

- Section 4.4 **Revised Drainage Fabric Supplier table:**
- Revised Geotex 861 supplied by Brock White Canada to Propex 861.
 - Added Propex 861 supplied by Nilex Incorporated.
- Section 5.4 **Revised Separation / Reinforcement Fabric Supplier table:**
- Delisted Nilex W315 supplied by Nilex Group.
 - Added Propex 315ST supplied by Nilex Group.
- Section 6.4 **Drainage Pipe:**
- Deleted Polyvinyl Chloride PVC Drainage Pipe and delisted five PVC products.
 - Revised High Density Polyethylene (HDPE) Drainage Pipe table by revising one of two products; Hancor Sure-Loc ST 6650020IBA supplied by Brock White Canada.

Approved Concrete Mix Designs

For Approved Concrete Mix Designs refer to “Concrete Mix Design Approval” for each supplier.