

---

## REVISION INFORMATION

### DIVISION 4 – SURFACE WORKS STANDARD CONSTRUCTION SPECIFICATIONS

---

## REVISION SUMMARY

### Table of Contents

- Division 4 – Specifications – Surface Works

### Revised Specifications

- CW 3110-R10 – Sub-Grade, Sub-Base and Base Course Construction
- CW 3210-R7 – Adjustment of Pavement and Boulevard Structures
- CW 3310-R11 – Portland Cement Concrete Pavement Works
- CW 3450-R5 – Planing of Pavement
- CW 3510-R9 – Sodding
- CW 3520-R7 – Seeding
- CW 3540-R5 – Topsoil and Finish Grading for Establishment of Turf Areas

### Revised Standard Details

- SD-212, SD-213A, SD-232, SD-234, SD-235, SD-236, SD-239

### Approved Products for Surface Works

### Approved Concrete Mix Designs

- Concrete Suppliers approved for 2007

**REVISION INFORMATION**  
**DIVISION 4 – SURFACE WORKS**  
**STANDARD CONSTRUCTION SPECIFICATIONS**

---

## **EXPLANATION OF THE REVISION SUMMARY**

*(All revisions are highlighted yellow in Specifications)*

### **Revised Specifications**

#### **CW 3110-R10 – Sub-Grade, Sub-Base and Base Course Construction**

- Section 2.1            Defined maximum allowable size as 300mm for 150mm crushed pavement sub-base material.
- Section 3.1.2        Revised to, “Remove existing asphalt pavement including asphalt curbs...”

#### **CW 3210-R7 – Adjustment of Pavement and Boulevard Structures**

- Section 1.5            Added referenced drawing; AP-017 – Barrier Curb and Gutter 38mm Riser Cover  
Added referenced drawing; AP-018 – Barrier Curb and Gutter 38mm Riser
- Section 2.12         Added section; “Barrier Curb and Gutter Frame Riser and Grated Cover”
- Section 3.9            Added section; “Barrier Curb and Gutter Frame Riser and Grated Cover”
- Section 3.10         Added section; “Adjustment of Traffic Signal Service Box Frames”
- Section 4.11         Added pay item “Barrier Curb and Gutter Frame Riser and Grated Cover (38mm)”
- Section 4.12         Added pay item “Adjustment for Traffic Signal Box Frames”.

#### **CW 3310-R11 – Portland Cement Concrete Pavement Works**

- Section 5.3.1         Removed, “magnesium sulphate soundness” as a coarse aggregate and as a fine aggregate test
- Section 5.3.1         Added, “unconfined freeze-thaw” and “Micro-Deval” as coarse aggregate tests
- Section 5.3.1         Added, “Micro-Deval” as a fine aggregate test
- Section 5.4.11        Added acceptable products suppliers of Hot Rod XL, “Johnson Construction Materials and Wearing Williams Limited”

#### **CW 3450-R5 – Planing of Pavement**

- Section 4.0            Renamed section to, “Measurement and Payment”

#### **CW 3510-R9 – Sodding**

- Section 5.3            Revised to “...mixed by percentages (%) of weight to meet the following certified seed blends or mixtures:”
- Section 9.3            Revised 1<sup>st</sup> paragraph to, “The contractor shall not commence sodding operations until the finished topsoil surface has been inspected and approved by the Contract Administrator.”

**REVISION INFORMATION**  
**DIVISION 4 – SURFACE WORKS**  
**STANDARD CONSTRUCTION SPECIFICATIONS**

---

*Explanation of the Revision Summary – Cont'd.*

- Section 9.3 Added to 2<sup>nd</sup> paragraph, “The Contractor shall provide the Contract Administrator with a minimum of two working days notice for inspection of the finished topsoil surface.”
- Section 9.6 Revision in 1<sup>st</sup> paragraph about watering the area in sufficient quantities to, “and frequencies required to obtain root development and sod growth.”
- Section 9.6 Revision in 2<sup>nd</sup> paragraph to; “...the areas shall be rolled (the edges pounded if necessary) with a mechanical roller minimum weight of 220kg and minimum width of 760mm...”.
- Section 9.8 Revision in 2<sup>nd</sup> paragraph to; “...frequencies required to maintain sod growth”.

**CW 3520-R7 – Seeding**

- Section 5.3 Revision in 2<sup>nd</sup> paragraph to; “Seed supplied shall be free of disease and mixed by percentage (%) of weight to meet the following blends or mixtures:
- Section 5.6.1 Added 2<sup>nd</sup> paragraph; “Mulch shall be dry, free of weeds and all foreign matter”.
- Section 9.3 Added 2<sup>nd</sup> paragraph; “The Contractor shall provide the Contract Administrator with a minimum of two working days notice for inspection of the finished topsoil surface.”
- Section 9.5 Added to 2<sup>nd</sup> paragraph; “Seed shall be embedded into soil to a depth of 5mm within 1 hour of sowing.”
- Section 9.5 Revised 3<sup>rd</sup> paragraph to; “...with a mechanical roller of a minimum weight of 220kg and minimum width of 760mm.
- Section 9.5 Revised 4<sup>th</sup> paragraph about seed germination, grass growth and watering.
- Section 9.6 Added 2<sup>nd</sup> paragraph; “The Contractor shall provide the Contract Administrator with a minimum of two working days notice for inspection of the seeded area.”
- Section 9.6 Revised 3<sup>rd</sup> paragraph to; “...not less than 200 kilograms per 1000 square meters.”
- Section 9.8 Revised 2<sup>nd</sup> paragraph to; “...frequencies to maintain seed germination and grass growth”.

**CW 3540-R5 – Topsoil and Finish Grading for Establishment of Turf Areas**

- Section 5.2 Revised 1<sup>st</sup> sentence to; “All topsoil...”
- Section 5.2 Revised 1<sup>st</sup> paragraph to; “Topsoil shall be free of subsoil contamination, roots, stones over 25mm in diameter, baler twine or subsoil clay lumps over 25mm in diameter and other extraneous matter.
- Section 5.2 Revised 4<sup>th</sup> paragraph to; “Topsoil shall not be blow-in dirt taken from wind erosion sites and topsoil shall not be taken from fields abandoned to corn production where such soil may contain soil incorporated herbicides, such as eradicane and atrazine with lasting residual effects.”
- Section 5.3 Added 2<sup>nd</sup> paragraph about fertilizer requirements.

**REVISION INFORMATION**  
**DIVISION 4 – SURFACE WORKS**  
**STANDARD CONSTRUCTION SPECIFICATIONS**

---

*Explanation of the Revision Summary – Cont'd.*

- |             |  |
|-------------|--|
| Section 5.3 | Added 3 <sup>rd</sup> paragraph about the physical properties of fertilizer.   |
| Section 9.2 | Revised the allowable size of surface debris to 25mm.  |
| Section 9.2 | Added 4 <sup>th</sup> paragraph about scarification of the sub-grade.  |
| Section 9.3 | Revised the 1 <sup>st</sup> sentence to; “The contractor shall not commence placement of topsoil until the sub-grade has been inspected and approved by the Contract Administrator”. |
| Section 9.3 | Added the 2 <sup>nd</sup> paragraph about two days notice for inspection of the required grading.  |
| Section 9.3 | Revised the 3 <sup>rd</sup> paragraph about rolling requirements.  |
| Section 9.5 | Revised to “Finish Grading and Rolling”  |

**REVISION INFORMATION**  
**DIVISION 4 – SURFACE WORKS**  
**STANDARD CONSTRUCTION SPECIFICATIONS**

---

*Explanation of the Revision Summary – Cont'd.*

**Revised Standard Details**

- SD-212            Sawn Joint and Butt Joint for Reinforced and Plain-Dowelled Pavements**
- Revised reservoir in Detail "A"
- SD-213A        Typical Full-Depth Patches on Existing Pavement Slabs and Joints**
- Clarified the drawing
- SD-232        Private Approach on Regional Streets (with Barrier Curb)**
- Added reference; "Bar Mat Reinforcing Ref. SD-217" for Section A-A
  - Revised Note 3 to, "M.H. Isolations to be approved by Contract Administrator".
  - Added "Note 4) Contraction joints as required to match street transverse joints."
- SD-234        Private Approach on Regional Streets (with ditch drainage)**
- Added reference; "Bar Mat Reinforcing Ref. SD-217" for Typical Cross Section.
  - Revised Note 1 to, "M.H. isolations to be approved by Contract Administrator"
  - Added "Note 2. Contraction Joints as required to match street transverse joints"
- SD-235        Residential Approach – Concrete (with existing barrier curb)**
- Added reference; "Bar Mat Reinforcing Ref. SD-217" for Section A-A
  - Added "Note 2. M.H. isolations to be approved by Contract Administrator"
  - Added "Note 3. Contraction Joints as required to match street transverse joints"
  - Removed note: "Contraction joint as required to match street"
- SD-236        Residential Approach – Concrete (with existing lip curb)**
- Added reference; "Bar Mat Reinforcing Ref. SD-217" for Section A-A
  - Added "Note 2. M.H. isolations to be approved by Contract Administrator"
  - Added "Note 3. Contraction Joints as required to match street transverse joints"
  - Removed note: "Contraction joint as required to match street"
- SD-239        Residential Approach – Gravel, Concrete or Asphalt**
- Added reference; "Bar Mat Reinforcing Ref. SD-217" for Section A-A
  - Added "Note 2. M.H. isolations to be approved by Contract Administrator"
  - Removed note: "Contraction joint as required to match street"

**REVISION INFORMATION**  
**DIVISION 4 – SURFACE WORKS**  
**STANDARD CONSTRUCTION SPECIFICATIONS**

---

*Explanation of the Revision Summary – Cont'd.*

**Approved Products for Surface Works**

- Section 4.4      **Revised Drainage Fabric Supplier table:**
- Delisted Geotex 861 supplied by Specialty Construction Products Limited
  - Added Skaps GT supplied by Brock White Canada
  - Added BW 180 supplied by Brock White Canada
  - Added Geotex 861 supplied by Brock White Canada
- Section 5.4      **Revised Separation / Reinforcement Fabric Supplier table:**
- Delisted Propex 2006 supplied by Brock White Canada
  - Delisted Geotex 315ST supplied by Specialty Construction Products
  - Delisted 400W supplied by Western Tank and Lining Limited
  - Added Skaps W315 supplied by Brock White Canada
  - Added BW 315 supplied by Brock White Canada
  - Added Propex 315ST supplied by Brock White Canada
- Section 6.4b     **Revised High Density Polyethylene (HDPE) Drainage Pipe table:**
- Revised File No. of Boss 2000
  - Added Hancor Sure-Loc ST supplied by Brock White Canada

**Approved Concrete Mix Designs**

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