

## **Design and Construction Standards (DCS) Redline Summary of Administrative Amendments**

### **January 2023**

Item	Vol.	Sec.	SS/DWG	Proposed Change(s)	Rationale
1			Preamble	Include a log of revisions/publications.	This will help internal and external users keep track of different versions of the Standards. Refer to the <a href="#">proposed Revisions and Publications section</a> .
2			Various	Change all occurrences/variations of bus stop to transit stop.	Bus could mean any type of bus, including transit. All occurrences in the Standards are meant to refer to transit specifically, so the wording should be cleaned up for clarity and consistency.
3	1	2	2.5.1.2	<del>Seven (7)</del> <b>Three (3)</b> complete paper sets, <del>plus one (1) combined PDF document</del> , of the engineering drawings. Sets which do not contain the required drawings as outlined in <a href="#">VOL. 1 SEC. 3, CAD STANDARDS</a> will not be accepted for processing.	Sub-sections 2.3.1.2 and 2.4.3 were changed in the last administrative amendment to 3 sets of drawings, plus 1 combined PDF. This sub-section should match.
4	1	3	3.4.27.3	All noise attenuation cross-sections must be supported <del>by the County's Noise Prediction Model outputs</del> <b>by a noise prediction model acceptable to the County</b> .	County's Noise Prediction Model is no longer in use.
5	1	4.1	4.1.20.1	<del>Diamond grade or approved equivalent</del> <b>High intensity</b> reflective material <a href="#">in accordance with ASTM D 4956-04, Type IX</a> is required for the lettering and background for all signage, except the black components of a sign	Equivalent to 3M Diamond Grade reflective material. Standards must reference ASTM (or other applicable specification), rather than the specific product name.
6	1	5.1	5.1.16.2	(i) High intensity reflective material <a href="#">in accordance with ASTM D 4956-04, Type IX</a> , is required for the lettering and background for all signage.  ...  (v) Sign sheeting shall be 5052 - H38 grade aluminum, high tensile 234 MPa - 262 MPa (34,000 psi - 38,000 psi) with <del>3M High-Intensity</del> <b>high intensity</b> reflective material <a href="#">in accordance with ASTM D 4956-04, Type IX</a> .	Equivalent to 3M Diamond Grade reflective material. Standards must reference ASTM (or other applicable specification), rather than the specific product name.
7	1	6	6.10.1.8	Alternative styles and materials of fencing to those <a href="#">specified in SUB-SECTION 6.10.1.7 OF THIS SECTION</a> <del>discussed below</del> ; may be considered and shall be reviewed on a site by site basis.	Specified the referring section to correct error. (The referring section should say "above" and not "below"); however, including the exact section number adds clarity.
8	1	6	6.12.7.10 (iii)	A minimum 10 m wide unmown buffer is <del>required whenever possible to be accommodated as site layout allows</del> above the NWL to prevent disturbance to nesting birds as required under the federal Migratory Bird Convention Act, provincial Wildlife Act and for erosion and sedimentation control and nutrient removal. Buffer may overlap the wet meadow zone and the upland buffer zone.	Revised to clarify expectations.
9	1	6	6.13.3	Soft landscaping CCC inspections may occur from June 1 until <del>September 30</del> <b>October 1</b> weather permitting.	Deadline extended to accommodate statutory holiday: National Day for Truth and Reconciliation.
10	1	6	6.13.6	Soft landscape inspections and re-checks for FAC will be conducted between June 1 and <del>September 30</del> <b>October 1</b> , based on snow coverage and is weather dependent. Should a hard frost occur in Strathcona County, the inspection season may end unless the plant material remains in a vigorous growing condition or adequate time remains in the inspection season to allow for proper assessment.	Deadline extended to accommodate statutory holiday: National Day for Truth and Reconciliation

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11	1	7	41001, 41002	Remove references to Drawing 41401; replace with reference to Pavement Markings Guidelines.	Drawing 41401 was rescinded in the January 2022 version and pavement markings are now handled through the Pavement Markings Guidelines.
12	1	7	61103	Modify drawing to show soil profile, potential trail location and re-draft grade line to improve accuracy of the displayed slope lines	Revise to incorporate information from the existing standards, specifically topsoil depth, and to prevent confusion at time of rough and final grade during construction. Refer to the drawing markup for <a href="#">61103</a> .
13	1	7	61201	Update hardware specifications, corrected misidentified items, and reduced redundancy.	Hardware updated to align with current RPC practices. Labels updated to improve accuracy and clarity. Refer to the drawing markup for <a href="#">61201</a> .
14	1	7	61216	Remove requirements for concrete piles and changed the post installation from a telespar square post to a U-channel post.	Marker posts are typically installed in private lands and are mostly used to delineate areas that often have environmental significance or are heavily treed. Securing the posts without the use of concrete helps limit the environmental impact from excavating and bringing concrete into environmentally sensitive/naturalized lands. U-channel post installation does not require concrete piles and it is RPC's preferred post for this application. Refer to the drawing markup for <a href="#">61216</a> .
15	1	7	61514	<p>Include minimum indent for address location and reference space requirements and address abbreviations per County's Traffic Sign Guidelines and the Visual Identity Guide.</p> <p>Substitute references to "Eton Park" and "4500 Eton Blvd." with "Park Name" and "Address".</p>	<p>This amendment is in response to addresses being partially covered by 8"x8" wooden post and having potential to crowd SC logo. Revisions propose to abbreviate the road names following the County's Traffic Sign Guidelines (see <a href="#">Appendix A</a>) and Visual Identity Guide to avoid these issues.</p> <p>Eton Park is an example and manufacturers have been confused and printed the incorrect park name and address. Therefore, the example name and address are proposed to be substituted. Refer to the drawing markup for <a href="#">61514</a>.</p>
16	1	7	61601	<p><i>Note 2:</i></p> <p><del>3MTM MANUFACTURING</del> HIGH INTENSITY WHITE REFLECTIVE TAPE (3870) 78mm x 78mm <u>IN ACCORDANCE WITH ASTM D 4956-04, TYPE IX</u> LOCATED ON BOTH SIDES. VERTICAL POSTS AND ENDS.</p>	Equivalent to 3M Diamond Grade reflective material. Standards must reference ASTM (or other applicable specification), rather than the specific product name.
17	1	7	61602	Increase space between bollard arms from 1.0m to 3.0m	<p>This amendment is in response to various County Connect cases and concerns from the public that asked to accommodate passage of large pedestrian equipment (bicycles, strollers, etc.).</p> <p>This amendment also aligns with other regional standards (for example City of St. Albert). Refer to the drawing markup for <a href="#">61602</a>.</p>

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18	1	7	61702	Clarify placement of contraction joints as this information is missing from the current detail. Add concrete strength drawing note—it is on the other concrete drawings (ie. 41203-41209), so it should be included on this drawing as well.	Clarification. Refer to the drawing markup for <a href="#">61702</a> .
19	1	7	61703	Revise installation of non-perforated PVC subdrainage pipe to include sand bedding.	Amendment proposed to allow for compaction around the non-perforated PVC pipe and to prevent voids/gaps within the clay/trench. This revision also follows a similar approach as the County's trench and types of trench bedding details (DWG 42001 and 42002) and general construction practices. Refer to the drawing markup for <a href="#">61703</a> .
20	1	7	61814, 61815	Show a side view of the basketball post. Show post bend and length of 4.5' between post and backboard	Backboard needs to be set 4.5' from post, so the post is actually out of bounds to prevent users from running into the post. This post is already required in new subdivisions and needs to be reflected in the Standards. Refer to the drawing markup for <a href="#">61814</a> and <a href="#">61815</a> .
21	1	8	Hydrant Flow Test Form - Application	Include flow rate selections, requirements for hydrant information and inspection timelines.	Form Amended to reflect on site practices. Refer to the markup for <a href="#">4008 Hydrant Flow Test – Application Form</a> .
22	2	603	Various	Update/correct seed mix names throughout. For example, <i>festuca rubra</i> should be <i>Festuca rubra</i> .	Correct grammar for names. Refer to <a href="#">DCS Seed Mix List 2022</a> for the full list.
23	2	903	2.7	Sign sheeting shall be 5052 - H38 grade aluminum, high tensile 234 <del>mpa-MPa</del> - 262 <del>mpa-MPa</del> (34,000 psi - 38,000 psi) with <del>3M High-Intensity-Grade-high intensity</del> reflective material <u>in accordance with ASTM D 4956-04, Type IX</u> .	Equivalent to 3M Diamond Grade reflective material. Standards must reference ASTM (or other applicable specification), rather than the specific product name.