



Information Bulletin:

Revised ES54 W1-05 Construction Materials Concrete

1.0 Items Covered

ES54 W1-05 R6 Construction Materials Concrete

2.0 Overview

ES54 W1-05 has been revised to R6 to provide clarification on concrete construction methods for buried concrete-encased duct banks. The concrete duct bank is cast either within the formwork or against the earth. It is the contractor's choice to select the appropriate methodology as long as the duct bank complies with ES54 H0-02 *Duct General Notes*. If formwork is selected the construction shall comply with ES54 W1-05 note 9 *Falsework and Formwork*.

The concrete construction section in ES54 H0-02 R8 subjectively defines the shape of a concrete duct bank as "reasonably rectangular". ES54 W1-05 has been revised to provide more quantitative parameters, with tolerances for non-structural duct banks added to Table 2 *Construction Tolerances*.

3.0 Action

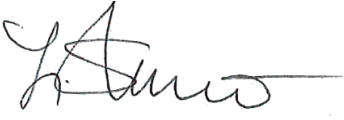
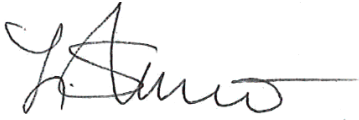
Concrete encased duct banks shall be constructed in a reasonably rectangular shape within the tolerances specified in ES54 W1-05 R6 Table 2. The contractor may choose to cast concrete either within formwork or against the earth. The specified tolerances apply for both options. The contractor shall disclose the elected option to their BC Hydro representative at a preconstruction meeting.

Safety requirements regulated by WorkSafeBC are not covered in ES54 standards.

4.0 Distribution Standards Contact

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5.0 Approval

Recommended		Reviewed		Approved	
					
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Date:	2024-05-06	Date:	2024-05-06	Date:	2024-05-06