
PAVEMENT RESTORATION FOR SEWER AND WATER MAIN INSTALLATIONS

Effective Date: January 10, 2018

Approved By: GVS&DD and GVWD Boards

Policy No. UT-010

PURPOSE

To establish standards and provide consistency for pavement restoration when municipal roads are impacted and disturbed by Greater Vancouver Sewerage and Drainage District (GVS&DD) sewer main installation projects and Greater Vancouver Water District (GVWD) water main installation projects.

This Policy applies to regional sewer and water main installations within the paved surface of municipal roadways of affected GVS&DD and GVWD members.

DEFINITIONS

“**Corporation**” means either the Greater Vancouver Sewerage and Drainage District incorporated under the *Greater Vancouver Sewerage and Drainage District Act*, or the Greater Vancouver Water District incorporated under the *Greater Vancouver Water District Act*.

POLICY

The *Greater Vancouver Sewerage and Drainage District Act* and the *Greater Vancouver Water District Act* oblige the Corporation to repair or restore roads which are impacted by sewer and water main installation projects. Applicable sections of the *GVS&DD Act* and *GVWD Act* are as follows.

GVS&DD Act – Section 27(2)

Whenever the Corporation shall dig up any street, it shall, so far as practicable, restore the same to as good a condition as the same was in before such digging began; and the Corporation shall at all times indemnify and save harmless the several municipalities within which such streets are situated against all damage which may be recovered against them respectively by reason of anything done or omitted by the Corporation, and shall reimburse them for all expenses which they may incur by reason of any defect or want of repair of any street caused by the construction of any of the sewers, drains, or other works, or by the maintaining or repairing of the same.

GVWD Act – Section 35

In carrying out the installation, construction, alteration, or repair of any of the works or system, or any part thereof, pursuant to any of the powers hereinbefore conferred, the Corporation shall make reasonable satisfaction to any municipality or owner of property or occupier of any such lands and property so used, enjoyed, or entered upon for any damage done or suffered thereby, and the Expropriation Act applies.

BOARD POLICY

This Policy provides specific parameters on restoration standards that the GVS&DD and GVWD will follow when undertaking projects that impact municipal roads. The standards set out in this Policy are intended to ensure that restoration works meet a consistent industry standard for all member jurisdictions.

PAVEMENT RESTORATION STANDARD

Paved surfaces of municipal roadways impacted by GVS&DD and GVWD regional sewer and water main installations shall be restored in accordance with the Master Municipal Construction Documents (MMCD) and standard industry restoration practices as shown in the table below and in more detail on the attached GVS&DD and GVWD drawing, *S-3001 C-0068 Section Pavement Restoration*.

Road Restoration Standards

Road Restoration Standard Authority	General	Temporary Asphalt Thickness	Permanent Asphalt Thickness	Asphalt Restoration Extension from Trench Line	Asphalt Restoration when in Wheel Path	Asphalt Restoration when Trench Line is adjacent to Curb Line
MMCD (Section 31 23 01)	Restore disturbed surfaces to prior condition	50 mm	75 mm – 150 mm (match existing thickness)	200 mm back from edge of trench line	N/A	N/A
GVS&DD and GVWD Standard	Restore disturbed surfaces to prior condition	50 mm	75 mm – 190 mm (match existing thickness)	200 mm back from edge of trench line	Extend repair to curb line or lane line (grind & overlay extension)	Extend to curb line when repair is within 1.2 m (grind & overlay extension)

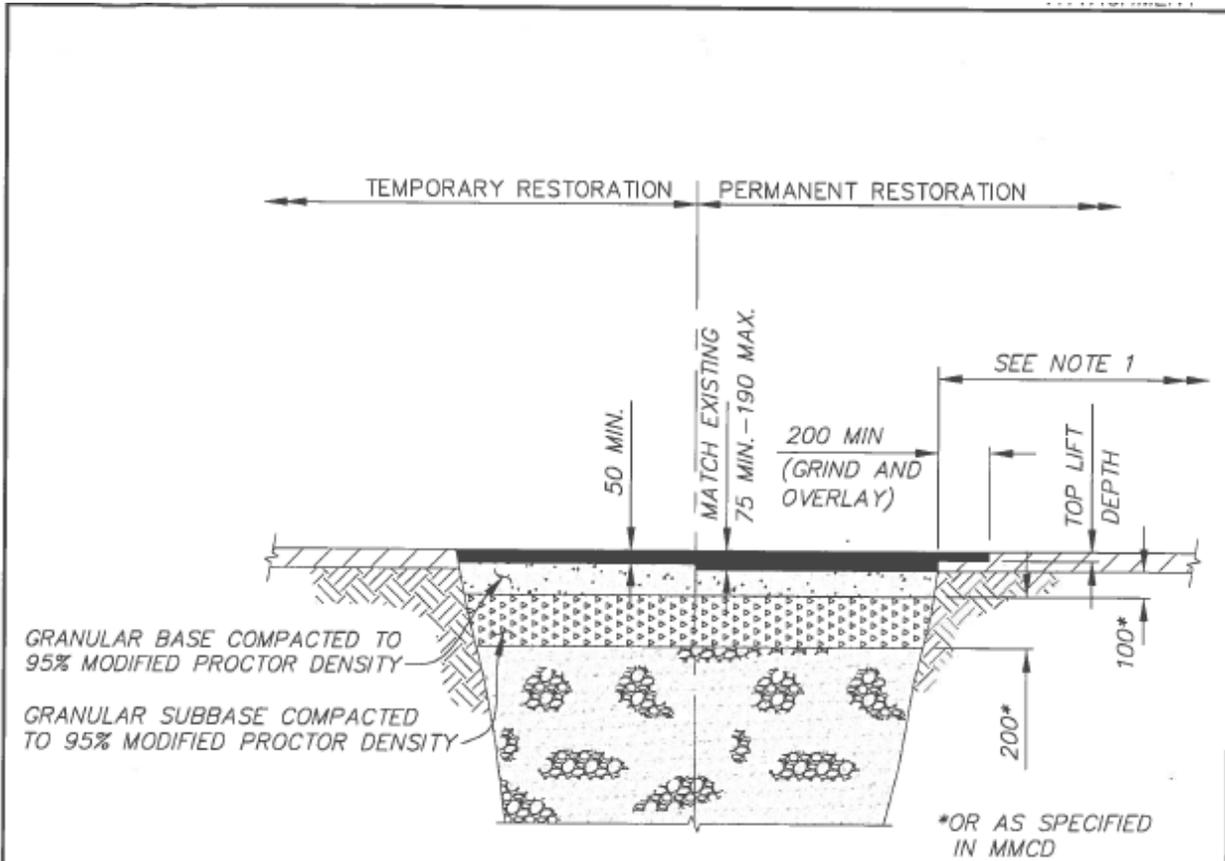
The GVS&DD and GVWD will establish a consistent practice of undertaking paving to the curb line or lane line, as part of road restoration works, including extending paving to the curb line when a repair is within 1.2 m.

In addition to the standard set out above, under special circumstances, such as concrete pavement or pavement that is less than 5 years old, pavement restoration will be addressed on a project specific basis.

Attachment

Engineering Standards – Section Pavement Restoration (District File S-3001; Document Code C-0068)

Attachment



PAVEMENT RESTORATION

1:25

NOTES:

1. EXTEND THE WIDTH OF THE PERMANENT REPAIR TO THE CURB LINE OR INDIVIDUAL LANE LINE IF THE EDGE OF THE REPAIR WOULD BE LOCATED IN THE WHEEL PATH FOR TRAVELLING VEHICLES.
2. EXTEND THE WIDTH OF THE PERMANENT REPAIR TO THE CURB LINE IF THE EDGE OF THE REPAIR WOULD BE LOCATED WITHIN 1.2 METRE OF THE CURB LINE.
3. MATERIAL THICKNESS AND SPECIFICATIONS TO BE CONFIRMED BY ENGINEER OF RECORD. USE ASPHALT MIX DESIGN AS RECOMMENDED BY MEMBER JURISDICTION.
4. WHERE THICKNESS OF EXISTING ASPHALT IS SUFFICIENT, GRIND, TACK COAT AND OVERLAY.

				GREATER VANCOUVER WATER DISTRICT AND SEWERAGE & DRAINAGE DISTRICT			
				Design: P.W.	ENGINEERING STANDARDS		SCALE:
				Drawn: D.T.	CIVIL		AS SHOWN
				Checked: _____	CR-02-02-SD-CIV-00106		DISTRICT FILE
				Approved _____	SECTION		S-3001
				Manager _____	PAVEMENT RESTORATION		DOCUMENT CODE
				SUPERSEDES PRINTS OF THIS DOCUMENT CODE WITH LETTERS PREVIOUS TO →			B
B	SEPT. '18	H.S.	G.O.	APPROVED BY THE BOARD WITH PAVEMENT RESTORATION POLICY			
A	MAY 07	P.W.	H.V.	ISSUED FOR PUBLICATION			
Issue	Date	Des'n	App'd	Description			
0	20	Bar is 20mm On Original Drawing. If Not On This Sheet, Adjust Scales Accordingly					

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