

False Creek – Roof Joint Repairs

Table 1: Observations at Test Locations

Test #	Landscaped Surface	As-Built Landscaping and Approx. Dimensions	Approx. Joint Dimensions	Approx. Depth of Water Ponding
1	Lawn	150 mm thick topsoil Non-woven geotextile fabric 100 to 150 mm thick drainage layer comprising of nominal 20 mm drain rock 100 mm Ø PVC drain pipe about 100 mm clear from expansion joint	22 mm wide x 85 mm deep	10 to 15 mm
2	Lawn	125 mm thick of topsoil Non-woven geotextile fabric 125 to 150 mm thick drainage layer comprising of nominal 20 mm drain rock Partially exposed PVC drain pipe about 150 mm clear from expansion joint	35 mm wide x >150 mm deep (reached end of screwdriver)	5 mm
3	Pavers	60 mm thick pavers Non-woven geotextile fabric 40 to 50 mm thick layer of bedding sand 70 mm thick drainage layer comprising of nominal 20 mm drain rock	32 mm wide x 110 mm deep	40 mm
4	Pavers	60 mm thick pavers 150 mm thick bedding sand 40 mm thick asphaltic concrete over building paper (or similar)	65 mm wide	N/A



Photo 1: Typical condition at Tests #1 and 2 (except for expansion joint width)



Photo 2: Typical landscaping materials at Tests #1 and #2



Photo 3: Test #3 at an expansion joint in the cantilever slab. 40 mm deep water ponding



Photo 4: Test #4 located at the joint between the cantilever slab and the exterior stairs.