Thursday, 21st June 2018

Warren Smith & Partners

35 YEARS OF SERVICE

Attention: Jack Borozan
Roads and Maritime Services
33 James Craig Road
Rozelle, NSW 2039

Project No. 5721000

RE: Bank Street Commercial Wharf Berm Drainage

Dear Jack,

Warren Smith & Partners has been requested to confirm how stormwater will be addressed for the modified berm design. The berm now includes a stepped series of gabion baskets filled with rubble, as shown in Figure 1 below.

Figure 1: Bank St. Berm Design

To ensure appropriate drainage occurs during storm events, a subsoil drainage system is required to ensure reticulation of stormwater into the site's stormwater drainage system. This will consist of additional subsoil drainage pipes along the interface between the landscape and gabion wall reticulating into dropper pits on each level, as depicted in Figure 2. At the base of the berm, the subsoil system will then connect to into the stormwater drainage system.

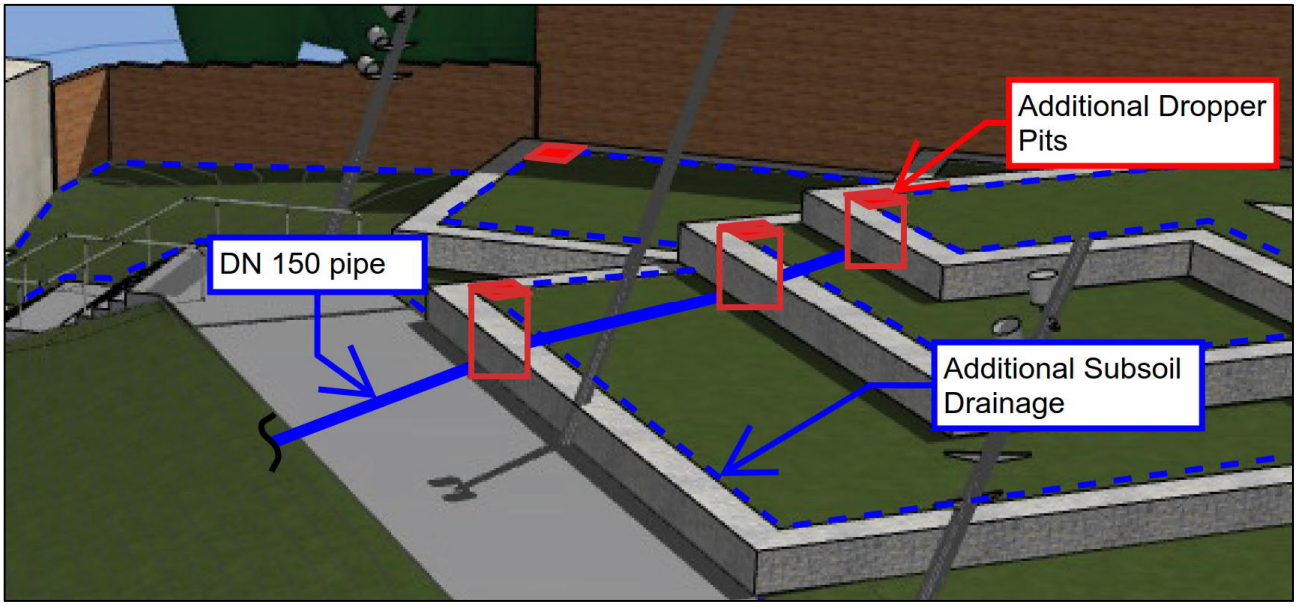

Figure 2: Proposed Berm Subsoil Drainage

To conclude, this solution will ensure stormwater from the berm is safely conveyed into the stormwater drainage system preventing flooding and there will be no hydrostatic pressure on the gabion wall.

Kind Regards,

Michael Cahalane

Director - Water and Civil Engineering
Phone: 02 8234 8640
Mobile: 0433 522 569
Email: michael@warrensmith.com.au