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Project reference: 130739

To Whom It May Concern,

RE: Upgrades to Gables New Public School

CIVIL SCHEMATIC DESIGN STATEMENT

Meinhardt (MHT) has been engaged by School Infrastructure NSW (SINSW) as the Civil and Structural Engineering Consultants for the Gables Public School. We confirm that the Structural and Civil Schematic Design stage has been completed, with the necessary drawings and reports provided as per the design specifications and requirements. We confirm that we have produced the structural and civil schematic design reports, models and drawings, detailing the structural and civil works designed by Meinhardt, suitable for this phase of the project.

The civil elements depicted on these documents prepared by Meinhardt are in accordance with the following:

- AS/NZ 3500.3:2003 Stormwater Drainage
- Architectural plans by Architectus;
- Hills Shire Council – Design Guidelines Subdivision/Development
- Water Sensitive Urban Design Technical Guidelines for Western Sydney
- Biofiltration in The Hills Shire
- eWater – MUSIC Version 6.2
- Watercom – DRAINS Version 2023.07
- OceanFilter Operation & Maintenance Manual (Oceanprotect)
- OceanGuard Operation & Maintenance Manual (Oceanprotect)
- Flood Impact and Risk Assessment_ Rev.03 (dated November 2024)

Refer to the design statement with a table for review as shown in Blue below:

Item	Included in report	Section reference
The development must provide stormwater management measures in accordance with Clause 2.11 Stormwater Management of Part D Section 17 of the 'Box Hill North' Precinct of The Hills Development Control Plan 2012	As addressed in the report, we have referred to "Overall Bio Retention Basins Catchment 200031-LH-DA-C01.51 Rev.3" by Enspire Solutions	Refer to Section 6.1 stormwater drainage works
The capacity of the stormwater system into which stormwater from the development discharges into, must be checked/analysed. Please note that the check/analysis shall be carried out to the legal point of discharge to ensure that the street pits will not be surcharged during minor events up to the 10 years ARI storm event and up to the 20 years ARI storm event for sag pit.	We have not received survey data including detailed drainage and utility information (Invert, size, cover etc) on Cataract Road and Pennant Way. We adopted the downstream pipe connection along Pennant Way adequately. Some minor adjustments during detailed design need to be carried out after detailed survey data on the road.	Refer to Section 6.1 stormwater drainage works
The Water sensitive urban design elements must demonstrate a reduction in annual average pollution export loads from the development site in line with the following environmental targets: o 90% reduction in the annual average load of gross pollutants o 85% reduction in the annual average load of total suspended solids o 65% reduction in the annual average load of total phosphorous o 45% reduction in the annual average load of total nitrogen o All model parameters and data outputs are to be provided.	Addressed in the report. To meet the targets and design requirements, we adopted Water Sensitive Urban Design Technical Guidelines for Western Sydney and Hills Shire Council – Design Guidelines Subdivision/Development.	Refer to Section 7.4 MUSIC Modelling Results.

Yours sincerely,

Brian Kim

Civil Engineer

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