TfA Ref: 16377

05 December 2017

Brisbane City Council
GPO Box 1434
Brisbane QLD 4001

PLANS AND DOCUMENTS referred to in the PDA DEVELOPMENT APPROVAL

Approval no: DEV2017/900

Date: 26/02/2018

Queensland Government

To Whom It May Concern,

Proposed Caltex Service Station Re-Development at 647 Kingsford Smith Drive (Cnr Theodore Street), Eagle Farm QLD 4009 – Stormwater & Oily Water Management.

We confirm that the existing stormwater drainage system will generally remain unchanged as a result of the proposed service station re-development. Stormwater runoff will continue to be conveyed by the existing gully pits, trench drains and pipes and discharged to the existing legal points of discharge on Kingsford Smith Drive.

Given the absence of an existing oily water system on site, new sub-catchments will be created for areas where fuel dispensing and fuel deliveries occur in order to separate the high risk (hydrocarbon generating e.g. under the canopy) areas from the low risk areas (the rest of the site).

Dispensing of fuel will occur in a concrete bunded area covered by a canopy roof that overhangs the dispensing area by a quarter of the roof height horizontally. Any spillage or minor spills from under the canopy will be captured by grated gully pits and directed to a Spel Puraceptor Class '1' (P.040 unit) via underground pipe network for hydrocarbon removal. Treated water from the Spel Puraceptor will be then discharged to the existing site's stormwater network.

The fuel delivery stand or fill point (unloading area) will be located under the canopy and any spills that might occur during unloading operations will be also directed to the Spel Puraceptor which can fully contain a spill from the largest delivery tanker compartment (8,000 litres) plus allowances for wind blow rain (14,400 total working capacity). A licensed contractor will remove the contents of the Spel Puraceptor when required.

The existing high flow diesel dispensing area located on the Eastern side of the site will also be provided with new concrete pavements to create a bunded area drained by a trench drain and gully pit connected to the proposed Spel Puraceptor unit. This will ensure that any spills occurring in this area will be contained within the Puraceptor and during normal operation, any stormwater runoff generated from this area will be easily handled by the Puraceptor as this unit has a treatable flow rate of up to 40 litres per second.

A conceptual stormwater management plan depicting the proposed oily water system upgrade and indicating how all the low risk areas will continue to drain to the existing stormwater system has been prepared for Council information and is attached to this letter (Refer Drawing 11298- DA16 Rev A).

Please do not hesitate to contact the undersigned should you require any clarification regarding this letter.

Kind regards,

Juan D. Avella
Director – Civil/ Structural Engineering
BEng MBA MIEAust CPEng NER RPEQ
For and on behalf of TfA Project Group.