

SITE PLAN (1:200)

VEHICLE SWEEP PATHS

Turning circles and Vehicle Swept Paths shown are in accordance with:
AS 2890.1 - Parking Facilities Pt.1: Off-street car parking
Cars B85 base dimension.
AS 2890.2 - Parking Facilities Pt.2: Off-street commercial vehicle facilities
Medium Rigid Vehicle (8.8m) - Minimum Radius Turn 10.0m

NOTE:
DESIGN LOCATION AND LEVELS FOR THE FUTURE KERB AND GUTTER IN CHIVERS ROAD HAVE BEEN TAKEN FROM THE DESIGN DRAWINGS PREPARED BY CHASE BURKE & HARVEY SURVEYORS FOR GOSFORD CITY COUNCIL. (REF 393-19-AS)

ORIGINAL SIZE - A1

ISSUE: DATE: DETAILS OF AMENDMENT:

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DESIGN: A.H.
DATE: 30.3.15
SCALE: 1:200
APPROVED: Angela Halcrow
BSc MEng MIEAust CPENG

DRAWN: P.A.J.
CHECKED: A.H.
CLIENT: VV Bins
PROJECT: Proposed Industrial Development at
SITE: Lot 10 (No 1) Vere Place, SOMERSBY
TITLE: STORMWATER CONCEPT PLAN

DRAWING NUMBER:
15.01.049
No. IN SET:
AMENDMENT:
DA.1 of 4

STORMWATER DRAINAGE NOTES.

Stormwater drainage has been designed to cater for a 1 in 20 year event.

Pipes shall be UPVC Stormwater Drainage Pipes to AS 1254 or Sewer Drainage Pipes Class 'SH' to AS 1260.

Pipes serving individual downpipes only may be 90mm diameter. Pipes 90mm to 150mm diameter to be laid at 1.0% minimum grade. Pipes 225mm dia. to 300 dia. to be laid at 0.5% minimum grade.

All driveway pits shall be pre-cast concrete (BCP or equivalent), fitted with removable galvanised mild steel grates.
Base of pit to be 200mm below outlet pipe in silt trap pit, with 20mm dia holes in base to prevent ponding during dry weather.
Grated cover to be easily removable for cleaning out collected silt.

Pipes beneath driveway areas to be encased in concrete (100mm minimum all around pipes TYPICAL) where cover to top of pipes is less than 50mm.

Stormwater pit sizes to be as follows:

Up to 600 deep - 450 x 450
600 to 900 deep - 600 x 600
900 to 1200 deep - 600 x 900
Over 1200 deep - 900 x 900 with Galvanised step irons.

STORMWATER DRAINAGE CERTIFICATION

I hereby certify that this design will limit post development peak flows to be less than or equal to pre development peak stormwater flows for critical storm events up to and including the 1 in 100 year event. A Runoff routing method has been used for the Stormwater Design.

STORMWATER DETENTION NOTES

The design allows for detention storage of stormwater in tanks in accordance with Council's requirements to ensure that runoff from the site for all storms up to the 1% AEP will be no greater after development than the pre-development flows.

STORAGE VOLUMES

TANKS	OSR	CREDIT	OSD	TOTAL
OSD TANK	-	-	40.2	40.2
RAINWATER TANK	5.0	-	-	
SEDIMENT STORAGE	5.0	-	-	9.9

NUTRIENT CONTROL

Sediment Storage in Pit = 9.9 cu.m
Drainage Swale 125 sq.m = 3.8% of development area

MAINTENANCE OF SEDIMENT CONTROL PIT

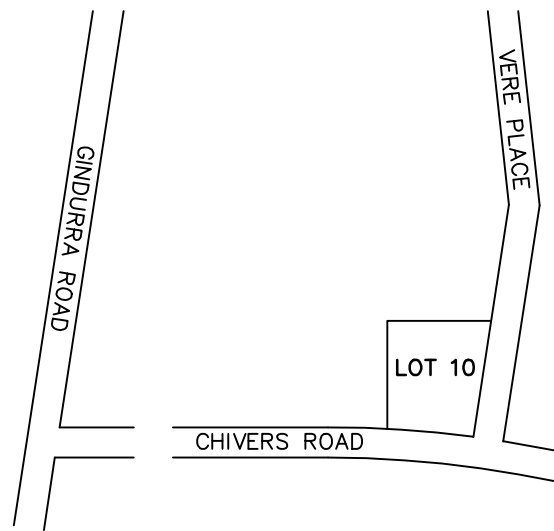
The sediment control pit should be inspected every three months and the amount of sediment and oil collected recorded. Should there be an excess of sediment and/or oil collected then more frequent cleaning may be required.
Sediments may be removed by excavator or sludge pump.
Sediment should be dewatered prior to disposal to an approved disposal point.

MAINTENANCE OF GRATED DRAINS

The grated drains should be inspected every three months.
Should there be an excess of sediment collected then more frequent cleaning may be required.
Litter may be removed by hand, rake or garden litter vac.
Sediments may be removed by shovel or a simple builder's sludge pump, and disposed as noted above.
Pits less than 1.2m deep are not governed by OH&S confined space regulations.

RAINWATER TANK NOTES

Provision of rainwater re-use for the facility will depend on the ability to collect roof water from the proposed portable buildings and portable roofed areas.
In lieu of collection and re-use from buildings, provide diversion and collection of the stormwater from the diversion drain pit and re-use for dust suppression only.



LOCATION PLAN