

SURFACES:
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Design: 56104-5percent-model - 5-PERCENT-MODEL
Natural: 59104oa11-bdysig - DTM-02

REGION:

Boundary: DTM Boundary

SURFACE AREAS:

Design: 16034.1 (square metres)
Natural: 9787.6 (square metres)

PLAN AREAS:

Boundary: 16033.9 (square metres) within the boundary
Design: 16033.9 (square metres) within the boundary
Natural: 9787.5 (square metres)

Factor:

Swell: 1.000
Shrink: 1.000

CUT/FILL/MATCHING AREAS:

Cut: 5305.9 (square metres)
Fill: 4481.6 (square metres)
Matching: 0.0 (square metres)
Total Area: 9787.5 (square metres)

VOLUMES:

Cut to Fill Ratio:

1.013

Cut: 384.298 (cubic metres)
Fill: 379.349 (cubic metres)
Net: 4.948 (cubic metres) [cut]

Cut: 0.072 (cubic metres) / (square metres)
Fill: 0.085 (cubic metres) / (square metres)

Average Cut Depth: 0.072 (m)
Maximum Cut Depth: 0.274 (m)
Average Fill Depth: 0.085 (m)
Maximum Fill Depth: 0.374 (m)

VOLUME FROM EXISTING SURFACE
TO 5% FLOOD SURFACE
BOUNDARY IS KERBS NORTH
& EAST & INTERSECTION LINE
BETWEEN DTM'S ON THE
SOUTH WEST.

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L'POOL PTY LTD
CONSULTING SURVEYORS & CIVIL ENGINEERS
PO BOX 160 LIVERPOOL 1871

Ref 56104

COMPUTATION VIA PRISMS

SURFACES:

Design: 56104-1percent-model - 1-PERCENT-MODEL-DTM
Natural: 59104oa11-bdysisg - DTM-02

REGION:

Boundary: VOL-BDY-1PERCENT

SURFACE AREAS:

Design: 9787.5 (square metres)
Natural: 9787.6 (square metres)

PLAN AREAS:

Boundary: 9787.5 (square metres) within the boundary
Design: 9787.5 (square metres) within the boundary and within design surface
Natural: 9787.5 (square metres)

Factor:

Swell: 1.000
Shrink: 1.000

CUT/FILL/MATCHING AREAS:

Cut: 0.0 (square metres)
Fill: 9787.5 (square metres)
Matching: 0.0 (square metres)
Total Area: 9787.5 (square metres)

VOLUMES:

Cut to Fill Ratio: 0.000

Cut: 0.000 (cubic metres)
Fill: 2614.000 (cubic metres)
Net: 2614.000 (cubic metres) [fill]

Cut: 0.000 (cubic metres) / (square metres)
Fill: 0.267 (cubic metres) / (square metres)

Average Cut Depth: 0.000 (m)
Maximum Cut Depth: 0.000 (m)
Average Fill Depth: 0.267 (m)
Maximum Fill Depth: 0.501 (m)

ADOPT 2614m³

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VOLUME FROM EXISTING SURFACE
TO 1% FLOOD SURFACE.

BOUNDARY COVERS ENTIRE PROPOSED
CONSTRUCTION AREA AS 1% LEVELS
ARE HIGHER THAN EXISTING THROUGHOUT.

COMPUTATION VIA PRISMS

SURFACES:

Design: 56104car-park-design - DTM-01
Natural: 56104-1percent-model - 1-PERCENT-MODEL-DTM

REGION:

Boundary: VOL-1PERCENT-DES

SURFACE AREAS:

Design: 9841.0 (square metres)
Natural: 9787.4 (square metres)

PLAN AREAS:

Boundary: 9787.5 (square metres) within the boundary
Design: 9787.4 (square metres) within the boundary and within design surface
Natural: 9787.4 (square metres)

Factor:

Swell: 1.000
Shrink: 1.000

CUT/FILL/MATCHING AREAS:

Cut: 8997.3 (square metres)
Fill: 790.1 (square metres)
Matching: 0.0 (square metres)
Total Area: 9787.4 (square metres)

WARNING - There is a difference between volumes area and boundary area.

VOLUMES:

Cut to Fill Ratio: 6.427

Cut: 1477.342 (cubic metres)
Fill: 229.866 (cubic metres)
Net: 1247.476 (cubic metres) [cut]

Cut: 0.164 (cubic metres) / (square metres)
Fill: 0.291 (cubic metres) / (square metres)

Average Cut Depth: 0.164 (m)
Maximum Cut Depth: 0.373 (m)
Average Fill Depth: 0.291 (m)
Maximum Fill Depth: 2.402 (m)

Annexure 3

VOLUME FROM
DESIGN TO 1%
(WITHOUT BOUNDARY)

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EFFECTIVE STORAGE LEFT
AFTER CONSTRUCTION.

VOLUME ABOVE 1% SURFACE
TO BE IGNORED.