END BIO-SWALE 4

BIO-SWALE PITS
BIOSWALE PITS TO BE 900sq. x 750 MIN. DEEP. FFL OF GRATE TO SIT 250mm ABOVE BASE LEVEL OF SWALE, TYPICAL.

PROVIDE SUBSOIL DRAINAGE AS PER STRUCTURAL ENGINEERS DETAILS TO REAR OF RETAINING WALLS (NOT SHOWN FOR CLARITY) WITH CONNECTION TO STORMWATER AND UPSTREAM FLUSHING POINT.

START BIO-SWALE 1

PIT 1-D IL79.93 IL79.98

450Φ AT 1:100

IL79.37 IL79.42

PIT 1-C

375Φ AT 1:100

IL79.81 IL79.86

PIT 1-B

IL80.15

300Φ AT 1:100

PIT 1-A

BIO-SWALE 4

2 C46

ALLOW FOR 5000sqm ROOF CATCHMENT TO CONNECT TO 100kL RAINWATER RE-USE TANK. PROVIDE HIGH LEVEL DRAINAGE AND FIRST FLUSH TREATMENT FOR 2500L.

PIT 1-I IL79.65

300Φ AT 1:100

BIO-SWALE PITS
BIOSWALE PITS TO BE 900sq. x 750 MIN. DEEP. FFL OF GRATE TO SIT 250mm ABOVE BASE LEVEL OF SWALE, TYPICAL.

SITE BOUNDARY

BIO-SWALE 1

IL79.41 IL78.35

PIT 1-F IL78.30

750Φ AT 1:200

IL78.56

PIT 1-E IL78.51

675Φ OUTLET PIPE FROM FIRST FLUSH PIT

1 C46

FIRST FLUSH BREAKPIT
DIVERT 3.5cum FOR FIRST FLUSH TREATMENT.
SYPHONIC DRAINAGE CONNECTION POINT (SYSTEM TO BE SPECIFIED BY HYDRAULIC ENGINEER DURING DETAIL DESIGN STAGE)
TYPICAL

DISCHARGE POINT 1
CONNECT TO EXTG. 900Φ STUB & MAKE GOOD AT IL=78.07m.

750Φ AT 1:35
UPSTREAM IL78.13
DOWNSTREAM IL78.07

IL78.18

PIT 1-G

PIT 1-H

END BIO-SWALE 1

PROVIDE BREAK IN KERB, 500mm LONG AT MAXIMUM 10.0m INTERVALS ALONG ACCESS DRIVE TO ALLOW FOR DISTRIBUTED FLOW ACCROSS LANDSCAPING AREAS AND ONTO CARPARKING PAVEMENTS.
TYPICAL ALONG WESTERN ACCESS ROAD

RAMP UP 1:25

START BIO-SWALE 2

PROPOSED WAREHOUSE
FFL=81.40m

PIT 2-A IL80.60

BIO-SWALE 2

SITE BOUNDARY

IL80.34

PIT 2-B IL80.31

375Φ AT 1:100

IL80.07

PIT 2-C IL80.02

REFER DRAWING C40 FOR ST'WATER DRAINAGE NOTES & PIT SCHEDULE

RIDGE LINE

LEGEND:

- DENOTES OVERLAND FLOW

Φ450 PIPE @ 1% FALL - DENOTES STORMWATER PIPE

- DENOTES STORMWATER PIT

REFER TO SHEET 3 (C43) FOR CONTINUATION

REFER TO SHEET 2 (C42) FOR CONTINUATION

FOR DEVELOPMENT APPLICATION

2m 0 5 10 15 20 25m
SCALE 1:250 AT A0 SIZE SHEET

AMENDMENTS	DATE	ISSUE
FOR DEVELOPMENT APPLICATION	22.06.10	C
CONCEPT REVISED	21.06.10	B
FOR REVIEW	15.06.10	A

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PROJECT
KMART SITE
LOT 2, DP1149138
EASTERN CREEK SITE STAGE 3

DESIGNED	DRAWN	DATE	CHECKED	SIZE	SCALE	CAD REF:
G.M.	J.M.	03.06.10		A0	1:250	10726.01-C41

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DRAWING TITLE
CONCEPT STORWATER PLAN
SHEET 1 OF 4

DRAWING No CO10726.01-C41
ISSUE C