ROCK PROTECTION 2m WIDE TO BE PROVIDED AROUND ENTIRE PERIMETER OF SURCHARGE PIT. MINIMUM 300mm HARD DURABLE BOULDERS.

Q_{100} = RL28.25

1/005

INV600Ø 25.09

INV450Ø 23.96

EXISTING SURCHARGE PIT. NO ALTERATIONS TO EXISTING CONFIGURATION

INV300Ø 23.96

1/016

OVERLAND FLOW CHANNEL No.1. REFER DWG 016 FOR TYPICAL CROSS SECTION AND CALCULATIONS

TURF LINE INVERT AND SIDES OF OVERLAND FLOW CHANNELS No.1.

EXTENTS OF NORMAL OPERATING LEVEL RL26.30

X RL 29.7

FOR PROPOSED ROAD LONG SECTION REFER MAINHARDT PLAN SET

RL28.80 MINIMUM FLOOR LEVEL OF PROPOSED FUTURE RESIDENTIAL DEVELOPMENT MAINTAINING REQUIRED FREEBOARD

NOTE
CONCEPT STORMWATER DESIGNED AND DETAILED BY OTHERS. FOR FURTHER DETAILS REFER MEINHARDT DRAWING SET

INV SEWER 20.63

RAISE MANHOLE TO MATCH PROPOSED GROUND LEVEL

INV300Ø 22.13

INV SEWER 20.63

GABION RETAINING WALL (TYPICAL EDGE TREATMENT REFER DWG 005)

1 IN 100 YR ARI FLOOD EXTENTS

RL28.80 MINIMUM FLOOR LEVEL OF PROPOSED FUTURE RESIDENTIAL DEVELOPMENT MAINTAINING REQUIRED FREEBOARD

OVERLAND FLOW CHANNEL No.2. REFER DWG 016 FOR TYPICAL CROSS SECTION AND CALCULATIONS

FUTURE ROAD No.4

ROAD No.2

RL 28.915

Central Parkland

OVERLAND FLOW CHANNEL No.5 REFER DWG 016 FOR TYPICAL CROSS SECTION AND CALCULATIONS

4/016

2/016

OVERLAND FLOW CHANNEL No.4 REFER DWG 016 FOR TYPICAL CROSS SECTION AND CALCULATIONS

5/016

INV SEWER 20.09

RAISE MANHOLE TO MATCH PROPOSED GROUND LEVEL

INV SEWER 25.15

INV SEWER 25.15

OVERLAND FLOWPATH UPSTREAM INVERT LEVEL SET TO MATCH IN WITH CONCEPT FUTURE ROAD No4 TIE-IN

X RL29.20

TEMPORARY BUNDING 500mm HIGH TO DIVERT INTERIM FLOWS TO OVERLAND FLOW PATH

X RL30.5

TURF LINE INVERT AND SIDES OF OVERLAND FLOW CHANNELS No.4&5.

SUBMERGED INLET & HEADWALL DISCHARGING INTO BASIN. REFER DETAIL DWG 016

TURF LINE INVERT AND SIDES OF OVERLAND FLOW CHANNELS No.2.

EXTENTS OF NORMAL OPERATING LEVEL RL26.30

EXISTING PIT WITH SEALED CONCRETE LID, BURIED. STORMWATER SURCHARGE UPSTREAM

LEGEND:

- CATCHMENT BOUNDARY
- PROJECT APPLICATION BOUNDARY
- EXISTING CONTOURS
- DESIGN CONTOURS
- DETENTION BASIN WORKS EXTENT
- 1 IN 100YR FLOOD EXTENTS
- FUTURE ROAD
- EXISTING OVERLAND FLOW
- X RL 29.1 CONCEPT MINIMUM LEVEL FOR FUTURE ROAD
- PERMANENT WATER BODY
- TOP OF EMBANKMENT
- BASIN SPILLWAY
- MACROPHYTE AREA
- GABION WALL
- PROPOSED STORMWATER
- FUTURE STORMWATER

FOR CONTINUATION REFER DRAWING No.003

5 2.5 0 5 10 15 20 25
SCALE OF METRES (1:250 BEFORE REDUCTION)

DATE PLOTTED: 16 April, 2008 - 11:23am

XREFs: X-BORDER, X-Services, X-Architect base, 3606-05-E03, X-32138-L4, X-Drainage Existing, X-Design, X-Meinhardt 15Oct2008
CAD FILE: N:\Civil\600 - 699\600110 - RBCS SW Design\drawings\600110-002.dwg

REV	DATE	REVISIONS	DRN	CHK
B	15/04/2008	PROJECT APPLICATION ISSUE	DH	RC
A	04/06/2007	FOR APPROVAL	VP	RC

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ARCHITECT:

	PREPARED	CHECKED
DESIGNED:	RC	RC
DRAWN:	VP	
APPROVED: PROJECT DIRECTOR DATE	REVIEWED: PROJECT MANAGER DATE	

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PELOTON GROUP
ROYAL REHABILITATION CENTRE SYDNEY
CHARLES STREET, RYDE
DETENTION BASIN & ASSOCIATED STORMWATER INFRASTRUCTURE
DETAIL PLAN - SHEET 1

DRAWING STATUS: FOR APPROVAL

DRAWING NUMBER: 600110-D-002 REV B

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150mm A1 ON ORIGINAL