

PAD 3
BEL 80.00

UPSTREAM FLOW FROM
FULTON HOGAN LOT.

REFER TO DRAWING DA48
FOR DETAILED PLAN.

EMERGENCY FLOW FROM
ESTATE ROAD CUL-DE-SAC.
UNATTENUATED
 $Q_{100} = 7.1 \text{ m}^3/\text{s}$
PIPED OPTION:
 $\phi 1950 @ 10\%$ WITH 50% BLOCKAGE
OVERLAND OPTION:
MANNING'S $n = 0.04$, MIN. SLOPE = 1.0%
 $Q = 7.1 \text{ m}^3/\text{s}$ (FOR $d = 650 \text{ mm}$)
+150mm FREEBOARD

LOW FLOW BYPASS PIT TO
BIO-RETENTION BASIN.

LOW FLOW BYPASS PIT TO
BIO-RETENTION BASIN VIA PRECAST
CDS UNIT P2028R BY ROCLA.
(OR EQUIVALENT).

EMERGENCY FLOW FROM
ESTATE ROAD CUL-DE-SAC.
REFER TO TABLE TO THE
RIGHT FOR OPTIONS.

DROP SILLS TO COMPRISE 1.0m MAX. DROP.
PROVIDE d50 = 500mm BOULDERS AT EACH DROP SILL.
7.0m x 10.0m NOM. DIMENSIONS WITH D50 = 1000mm
ANCHOR ROCKS AT DROP. FINAL DETAILS TO BE
COMPLETED AT DETAIL DESIGN STAGE.

UPSTREAM FLOW FROM
EASTERN CREEK STAGE 3
UNATTENUATED (NO DETENTION)
 $Q_{100} = 5.2 \text{ m}^3/\text{s}$
OVERLAND OPTION:
MANNING'S $n = 0.04$, MIN. SLOPE = 1.0%
 $Q = 5.4 \text{ m}^3/\text{s}$ (FOR $d = 650 \text{ mm}$)
+150mm FREEBOARD

UPSTREAM FLOW FROM
EASTERN CREEK STAGE 3.
REFER ABOVE FOR OVERLAND
CHANNEL INFO AND SECTION A.

SITE BOUNDARY

SECTION NTS A

5m 0 10 20 30 40 50m
SCALE 1:500 AT A0 SIZE SHEET

																				ARCHITECT										CLIENT										PROJECT PROPOSED INDUSTRIAL DEVELOPMENT HANSON LAND EASTERN CREEK										 Costin Roe Consulting Pty Ltd. Consulting Engineers 433 95 95 448 Level 1, 8 Windmill Street Main Day, Sydney NSW 2000 Tel: (02) 9591-7999 Fax: (02) 9541-3721 email: mail@costinroe.com.au ©										DRAWING TITLE STORMWATER DRAINAGE PLAN SHEET 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