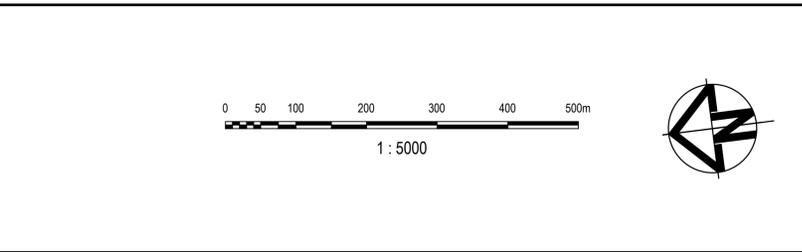


LEGEND

- MPW SITE BOUNDARY
- - - MPW STAGE 2 CONSTRUCTION AREA BOUNDARY
- PROPOSED STORMWATER CATCHMENT BOUNDARY
- PROPOSED STORMWATER CATCHMENT BOUNDARY SUBJECT TO SEPARATE APPROVAL (SSD 14 - 6766)
- EXISTING STORMWATER CATCHMENT BOUNDARY

Issue	Description	Date
04	ISSUE FOR SSD APPLICATION	27/07/2016
03	ISSUE FOR SSD APPLICATION	22/06/2016
02	ISSUE FOR SSD APPLICATION	06/05/2016
01	ISSUE FOR SSD APPLICATION	22/04/2016



Client

SIMTA SYDNEY INTERMODAL TERMINAL ALLIANCE

TACTICAL GROUP

Status: **FOR APPROVAL**
NOT TO BE USED FOR CONSTRUCTION

Scales	1 : 5000	Current Issue Signatures
Original Size	A1	Drawn L.CORSCADDEN
Height Datum	AHD	Checked B.CALDWELL
Grid	MGA	Approved B.LUSTY

Filename: C-MIC2-SSD-406-AA003760-nsd-ProposedCatchmentPlan.dwg

Project: **MPW INTERMODAL TERMINAL FACILITY - STAGE 2 STATE SIGNIFICANT DEVELOPMENT APPLICATION**

Title: **STORMWATER DRAINAGE PROPOSED CATCHMENT PLAN**

ARCADIS

Arcadis Australia Pacific Pty Limited
Level 5, 141 Walker St
NORTH SYDNEY NSW 2060
ABN 76 104 485 289

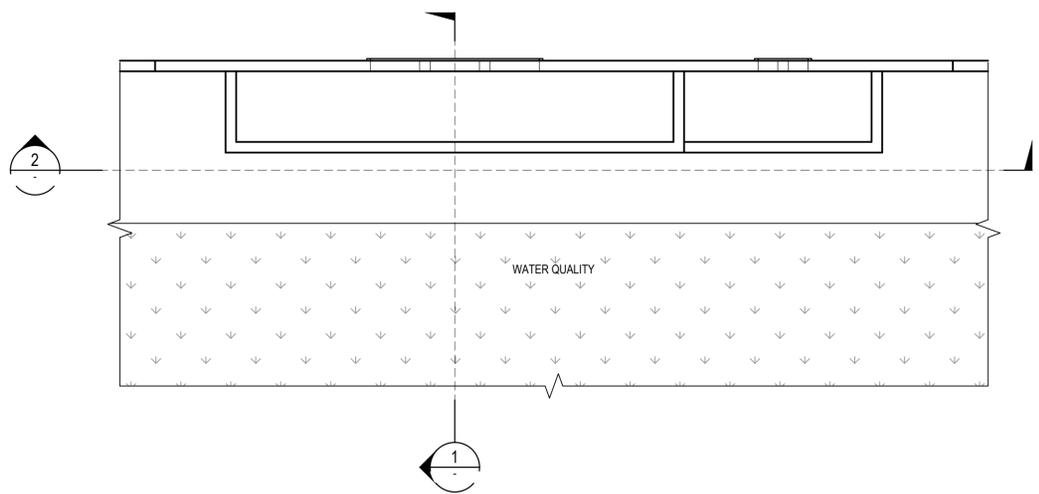
Tel No: +61 2 8907 9000
Fax No: +61 2 8907 9001
arcadis.com

Drawing No. Project No. Issue

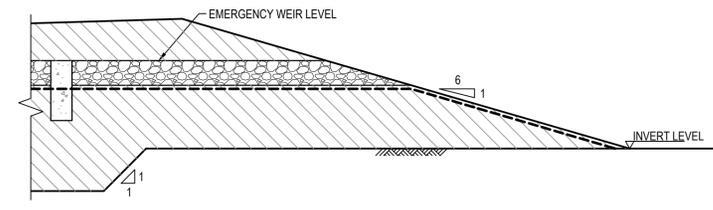
C-MIC2-SSD-406-AA003760-04

NOTES

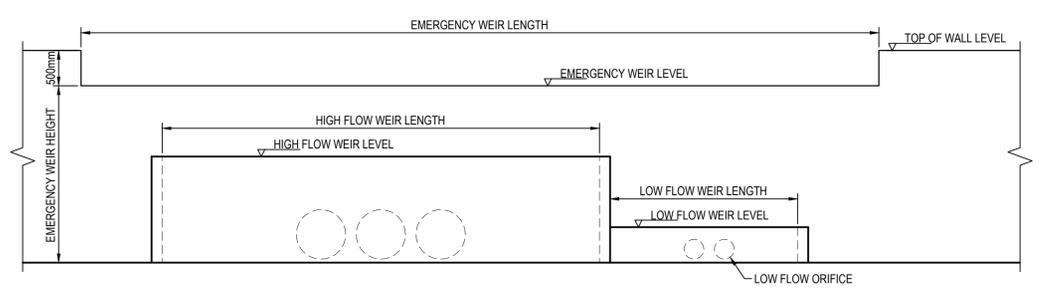
- ON SITE DETENTION OUTLET DETAILS BASED ON DRAINS MODEL: F:\AA003760\DCALCULATIONS\CIVIL\A-STORMWATER\D-STAGE 2\MICA-DRAINS\C-MODELS\STAGE2PROPOSED.DRN



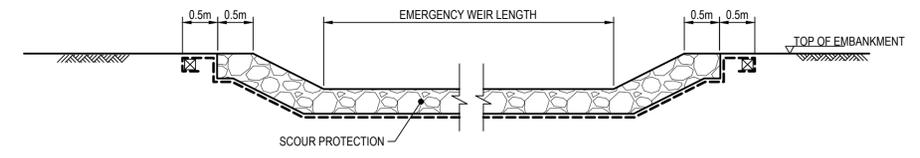
TYPICAL WALLED BASIN AND RAINGARDEN OUTLET PLAN
NTS



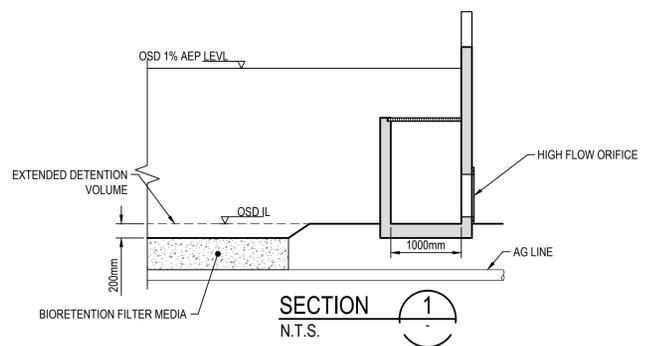
TYPICAL BASIN EMBANKMENT SECTION AT WEIR
SCALE 1 : 50



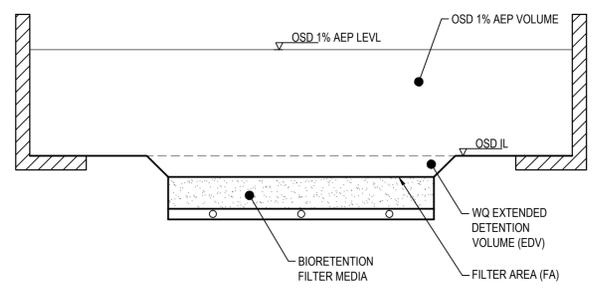
SECTION 2
N.T.S.



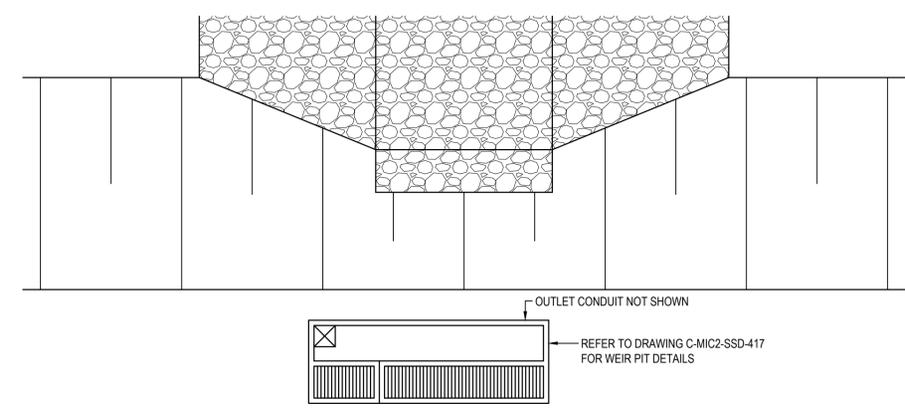
TYPICAL WEIR SECTION
SCALE 1 : 50



SECTION 1
N.T.S.



STORMWATER BASIN TYPICAL DETAIL
NTS

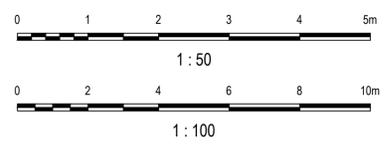


TYPICAL BASIN EMBANKMENT PLAN AT WEIR
SCALE 1 : 100

Outlet Structure Details												
Basin	Storage Area (m ²)	Invert Level (mAHD)	Top of Wall Level (mAHD)	1% AEP Water Level (mAHD)	Low Flow Orifice (mm)	High Flow Orifice (mm)	Low Flow Weir Level (mAHD)	Low Flow Weir Length (m)	High Flow Weir Level (mAHD)	High Flow Weir Length (m)	Emergency Weir Level (mAHD)	Emergency Weir Length (m)
OSD 3A	4000	15.0	16.0	15.9	3x170	2x405	15.2	4.5	15.6	10.0	15.9	5.0
OSD 4*	7100	11.0	12.0	11.5	2x150	1x450	11.3	4.5	11.4	10.0	11.5	3.0
OSD 5*	24000	11.3	14.5	13.9	3x400	1x550	11.6	4.5	13.3	10.0	14.0	40.0
OSD 6*	25000	11.6	14.5	13.9	5x380	2x570	11.8	4.5	13.5	10.0	14.0	35.0
OSD 8*	7500	11.8	15.0	14.5	3x190	1x405	12.1	4.5	13.7	10.0	14.5	12.0

* BASINS DESIGNED FOR FUTURE ALL STAGES DEVELOPMENT

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01	ISSUE FOR SSD APPLICATION	22/04/2016



Client

Status: **FOR APPROVAL**
NOT TO BE USED FOR CONSTRUCTION

Scales: []

Original Size: **A1**

Height Datum: **AHD**

Grid: **MGA**

Current Issue Signatures

Designed: **G.DUNSTAN**

Checked: **B.CALDWELL**

Approved: **B.LUSTY**

File Name: F:\AA003760\SSD-416-AA003760-nsd-BasinAndRaingardenTypicalDetailsSheet1.dwg

Project: **MPW INTERMODAL TERMINAL FACILITY - STAGE 2 STATE SIGNIFICANT DEVELOPMENT APPLICATION**

Title: **STORMWATER DRAINAGE BASIN & RAINGARDEN TYPICAL DETAILS SHEET 1**

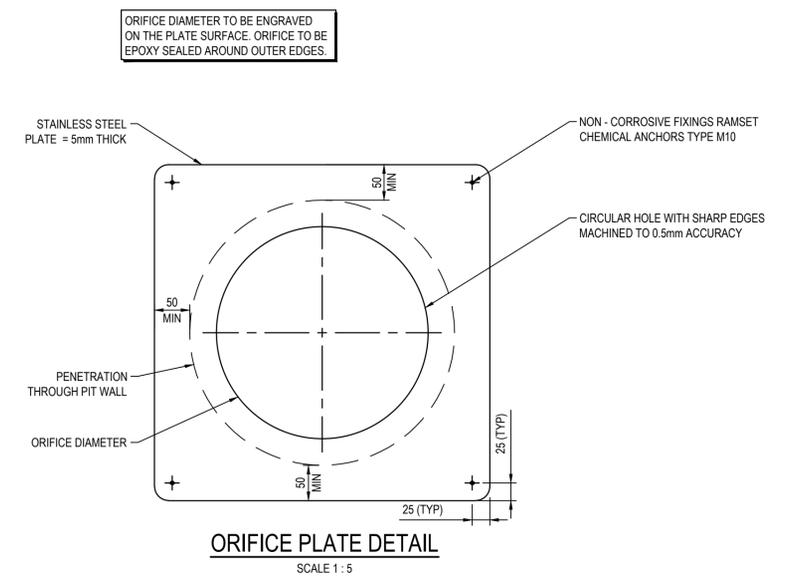
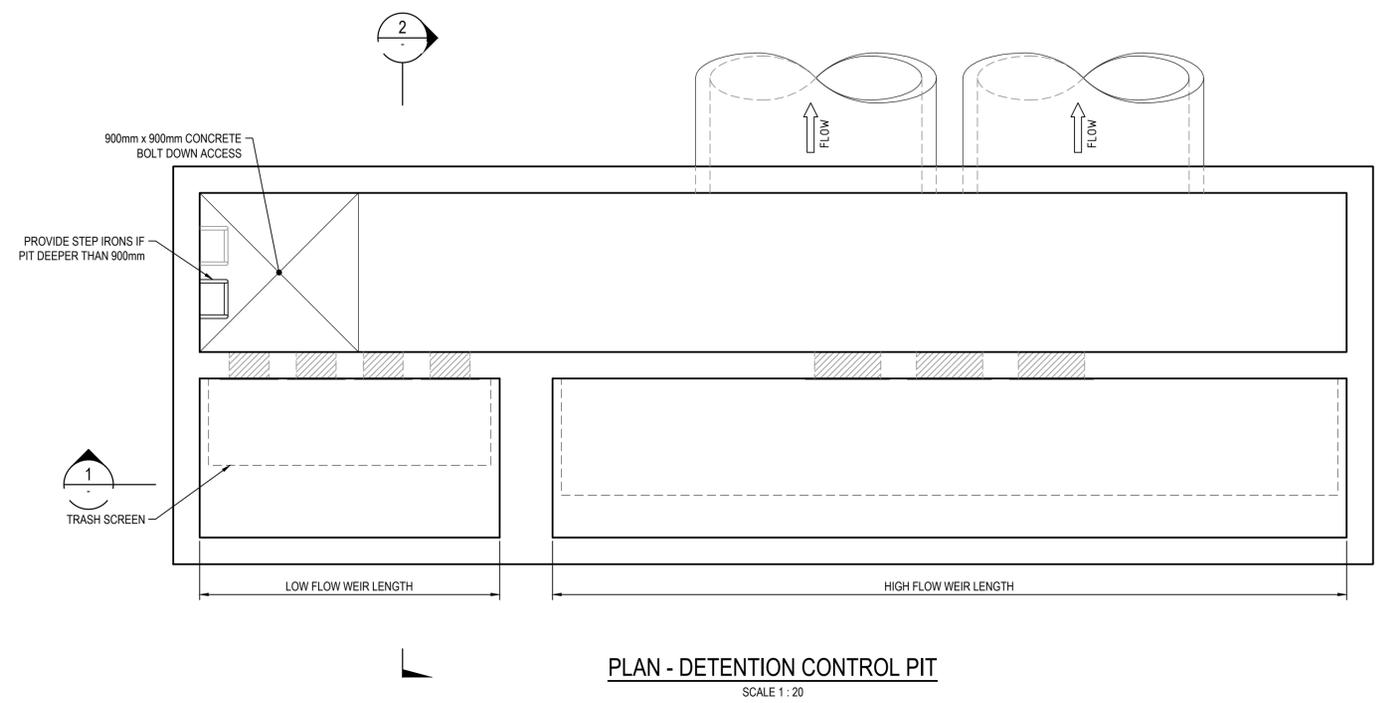
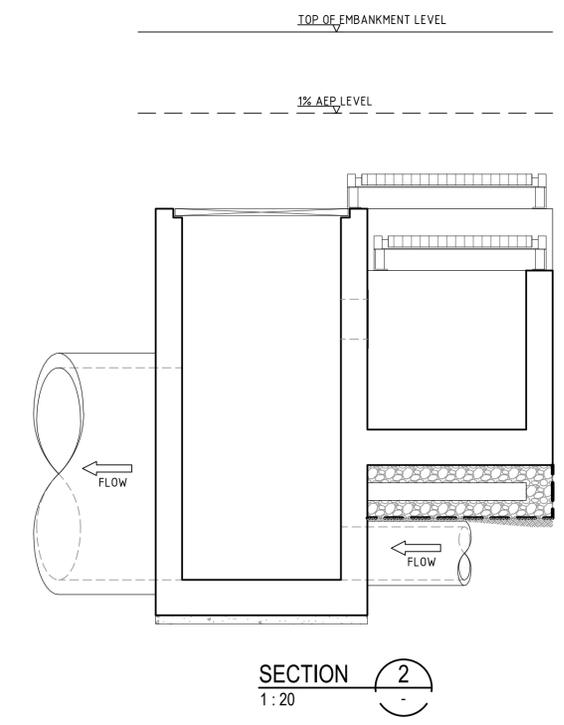
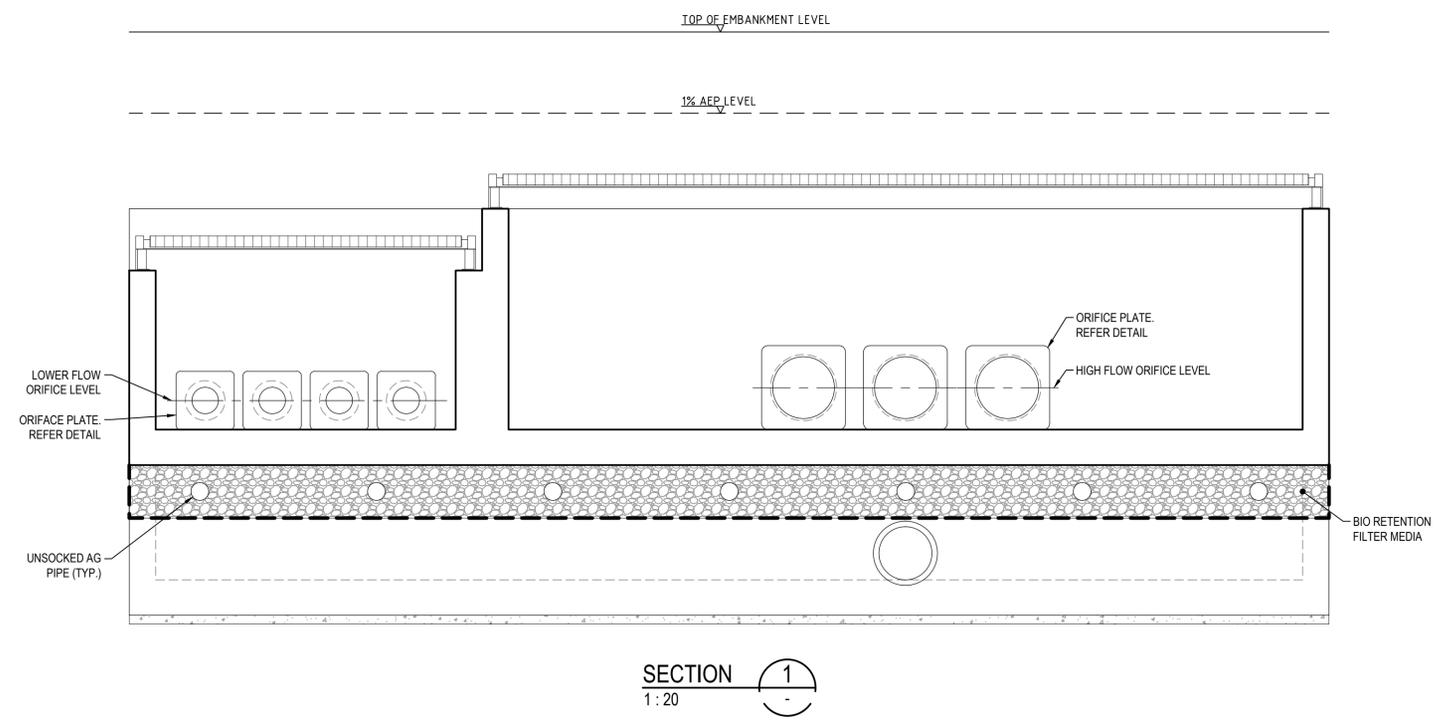
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Fax No: +61 2 8907 9001
arcadis.com

Drawing No. | Project No. | Issue

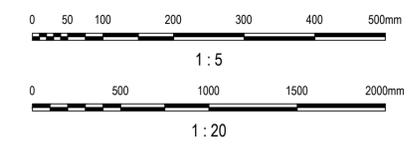
C-MIC2-SSD-416-AA003760-04

NOTES

- 1. REFER TO DRAWING C-MIC2-SSD-416 FOR OUTLET STRUCTURE DETAILS TABLE



Issue	Description	Date
04	ISSUE FOR SSD APPLICATION	27/07/2016
03	ISSUE FOR SSD APPLICATION	22/06/2016
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Client

Status		FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	
Original Size	A1	Current Issue Signatures	Drawn L.CORSCADDEN
Height Datum	AHD	Designed	G.DUNSTAN
Grid	MGA	Checked	B.CALDWELL
File Name	F:\AA003760-nsd-BasinAndRaingardenTypicalDetailsSheet2.dwg		

Project

MPW INTERMODAL TERMINAL FACILITY - STAGE 2 STATE SIGNIFICANT DEVELOPMENT APPLICATION

Title

STORMWATER DRAINAGE BASIN & RAINGARDEN TYPICAL DETAILS SHEET 2

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arcadis.com

Drawing No. Project No. Issue

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