

Moorebank Precinct West (MPW) – Stage 2 Proposal

Civil Design Plans



SIMTA

SYDNEY INTERMODAL TERMINAL ALLIANCE

Part 4, Division 4.1, State Significant
Development

MPW INTERMODAL TERMINAL FACILITY (STAGE 2)

STATE SIGNIFICANT DEVELOPMENT APPLICATION

CIVIL WORKS

DRAWING LIST

GENERAL

- C-MIC2-SSD-001 COVER SHEET AND DRAWING LIST
- C-MIC2-SSD-002 GENERAL ARRANGEMENT PLAN

SITE PREPARATION

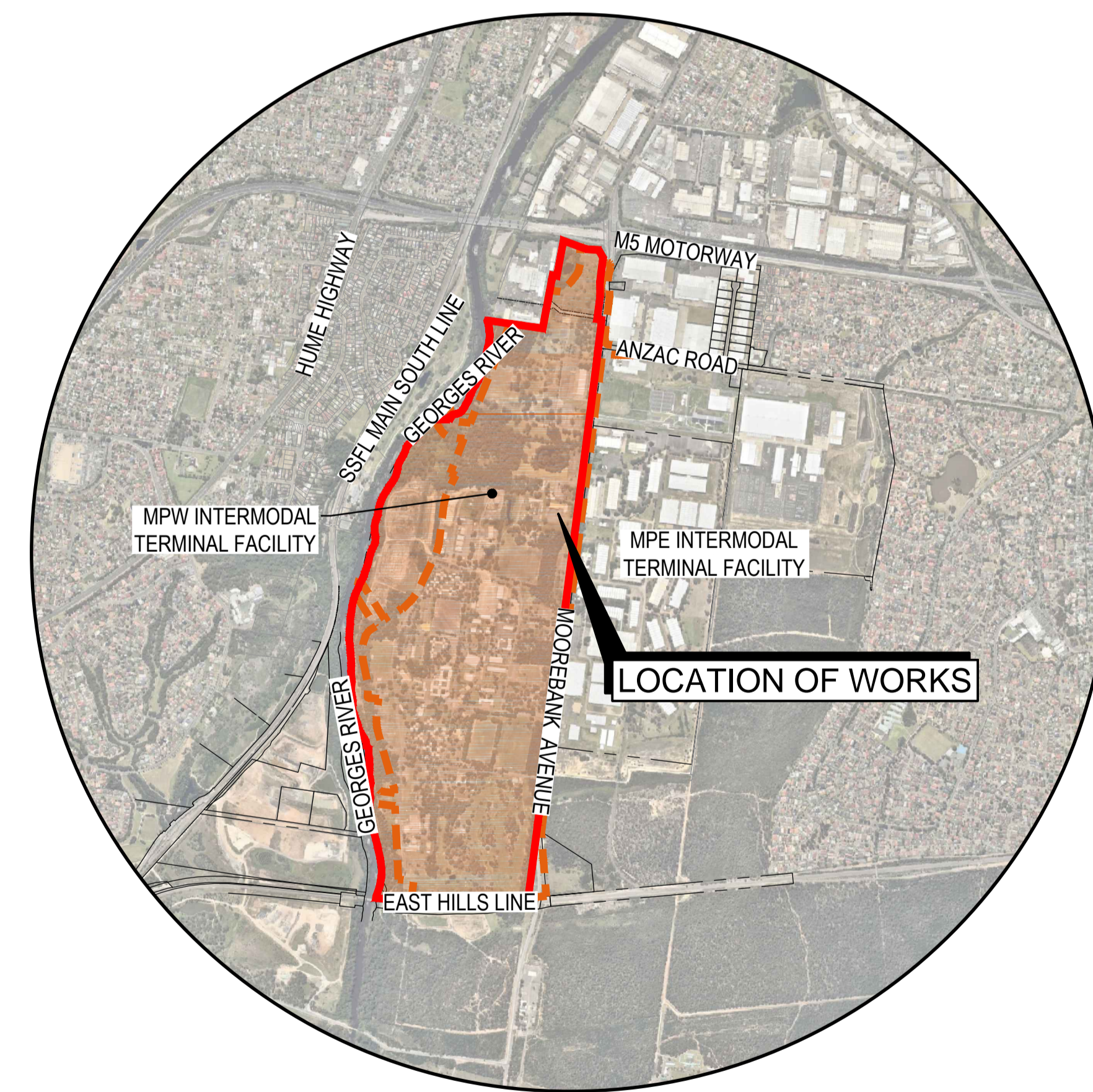
- C-MIC2-SSD-101 EROSION AND SEDIMENT CONTROL PLAN SHEET 1
- C-MIC2-SSD-102 EROSION AND SEDIMENT CONTROL PLAN SHEET 2
- C-MIC2-SSD-111 BULK EARTHWORKS CUT & FILL PLAN SHEET 1
- C-MIC2-SSD-112 BULK EARTHWORKS CUT & FILL PLAN SHEET 2
- C-MIC2-SSD-116 EARTHWORKS SECTIONS SHEET 1
- C-MIC2-SSD-117 EARTHWORKS SECTIONS SHEET 2

CIVIL WORKS

- C-MIC2-SSD-201 CIVIL WORKS PLAN SHEET 1
- C-MIC2-SSD-202 CIVIL WORKS PLAN SHEET 2

STORMWATER DRAINAGE

- C-MIC2-SSD-401 STORMWATER DRAINAGE EXISTING CATCHMENT PLAN
- C-MIC2-SSD-406 STORMWATER DRAINAGE PROPOSED CATCHMENT PLAN
- C-MIC2-SSD-416 STORMWATER DRAINAGE BASIN & RAINGARDEN TYPICAL DETAILS SHEET 1
- C-MIC2-SSD-417 STORMWATER DRAINAGE BASIN & RAINGARDEN TYPICAL DETAILS SHEET 2

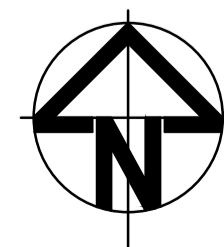
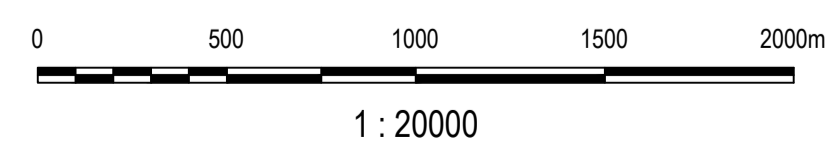


LOCALITY PLAN
1 : 20,000

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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

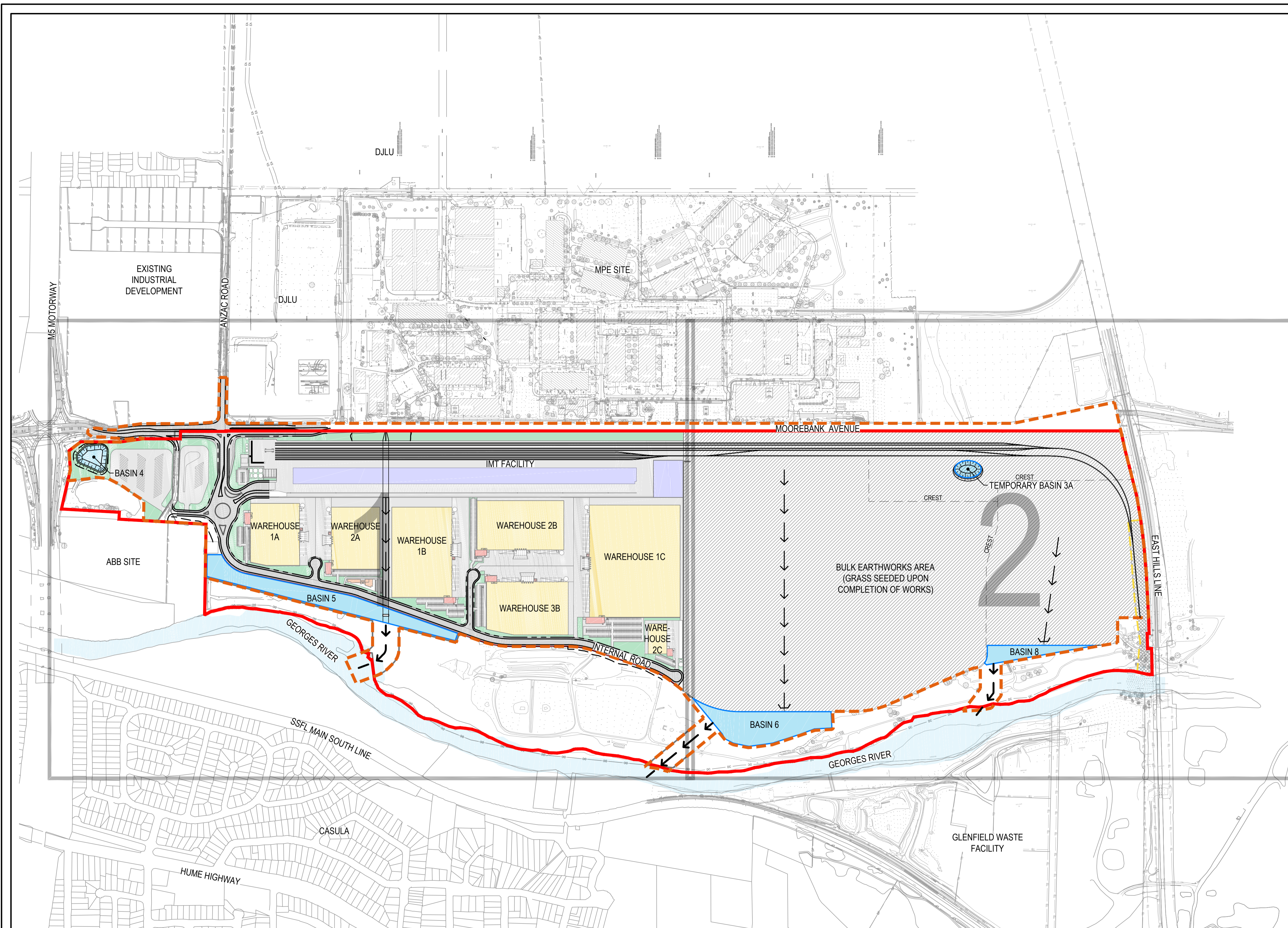
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Grid MGA	Approved B.LUSTY
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Project
**MPW INTERMODAL TERMINAL FACILITY - STAGE 2
STATE SIGNIFICANT DEVELOPMENT APPLICATION**

Title
COVER SHEET AND DRAWING LIST

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-001-AA003760-04		



LEGEND

- MPW SITE BOUNDARY
- MPW STAGE 2 CONSTRUCTION AREA
- PROPOSED ON SITE DETENTION BASINS
- OPEN STORMWATER CHANNEL
- NOISE WALL
- SUBJECT TO MPE STAGE 1 PROPOSAL (SSD 14 - 6766)

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

0 50 100 200 300 400 500m

1 : 5000

Client

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INTERMODAL
TERMINAL
ALLIANCE

TACTICAL

GROUP

FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	
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Project

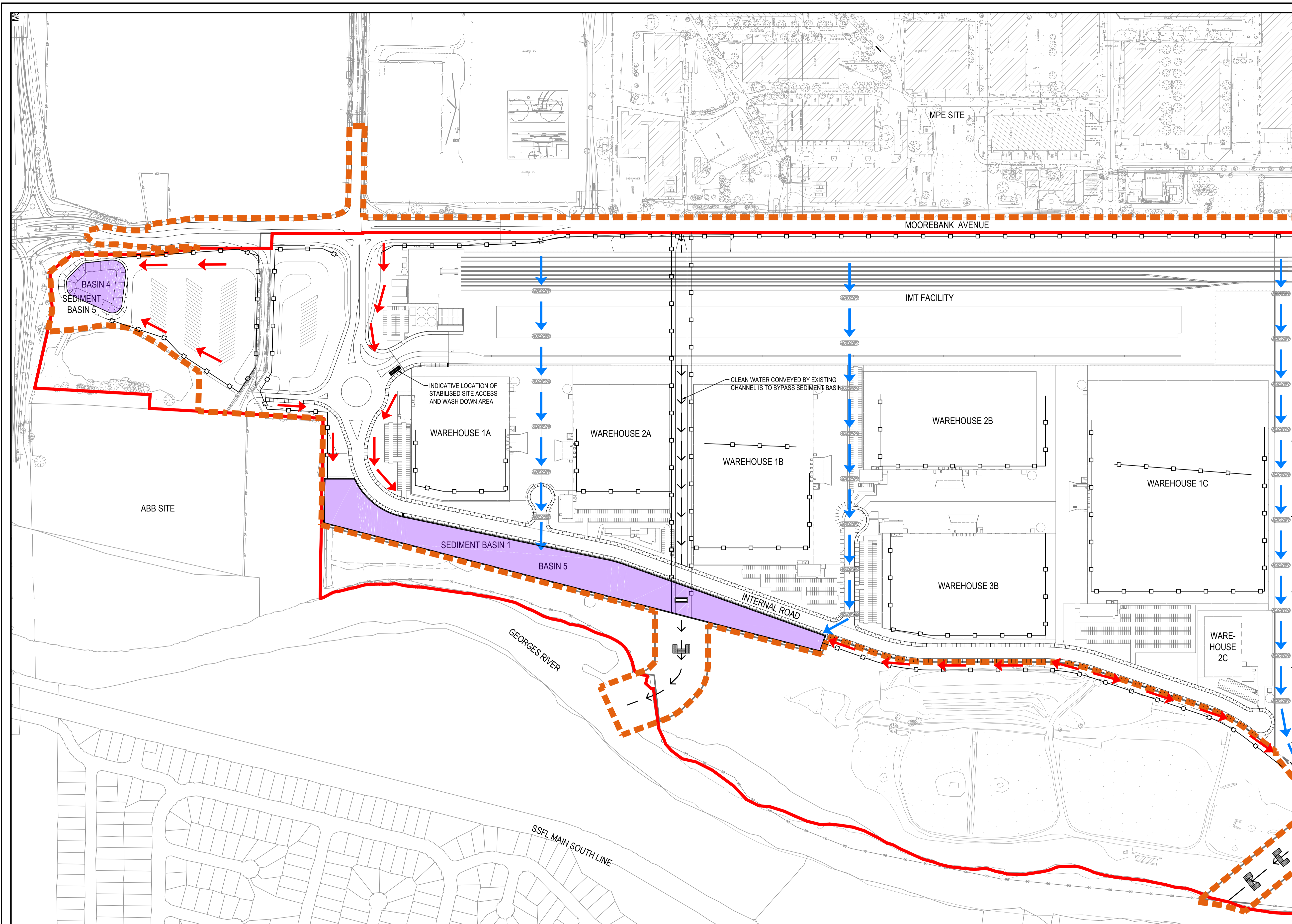
MPW INTERMODAL TERMINAL FACILITY - STAGE 2 STATE SIGNIFICANT DEVELOPMENT APPLICATION

Title

GENERAL ARRANGEMENT PLAN

Arcadis Australia Pacific Pty Limited
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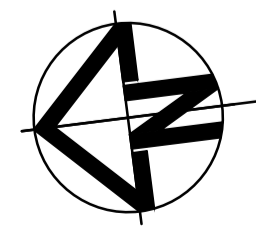
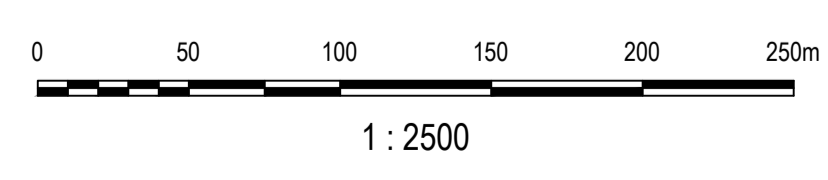
Drawing No.	Project No.	Issue
C-MIC2-SSD-002-AA003760-04		



- LEGEND**
- MPW SITE BOUNDARY
 - MPW STAGE 2 CONSTRUCTION AREA
 - DIVERSION BUND
 - SEDIMENT FENCE
 - |— 1m WIDE TURF STRIP BEHIND KERB
 - FLOW PATHS & CHECK DAMS @ 100m SPACING
 - PROGRESSIVE EROSION & SEDIMENT CONTROL ALONG LENGTH OF CHANNEL INVOLVING SEDIMENT BASIN/CHECK DAMS
 - OUTLET / SWALE / CHANNEL INVERT
 - SEDIMENT BASIN

REFER TO DRAWING C-MIC2-SSD-102 FOR CONTINUATION

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

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GROUP

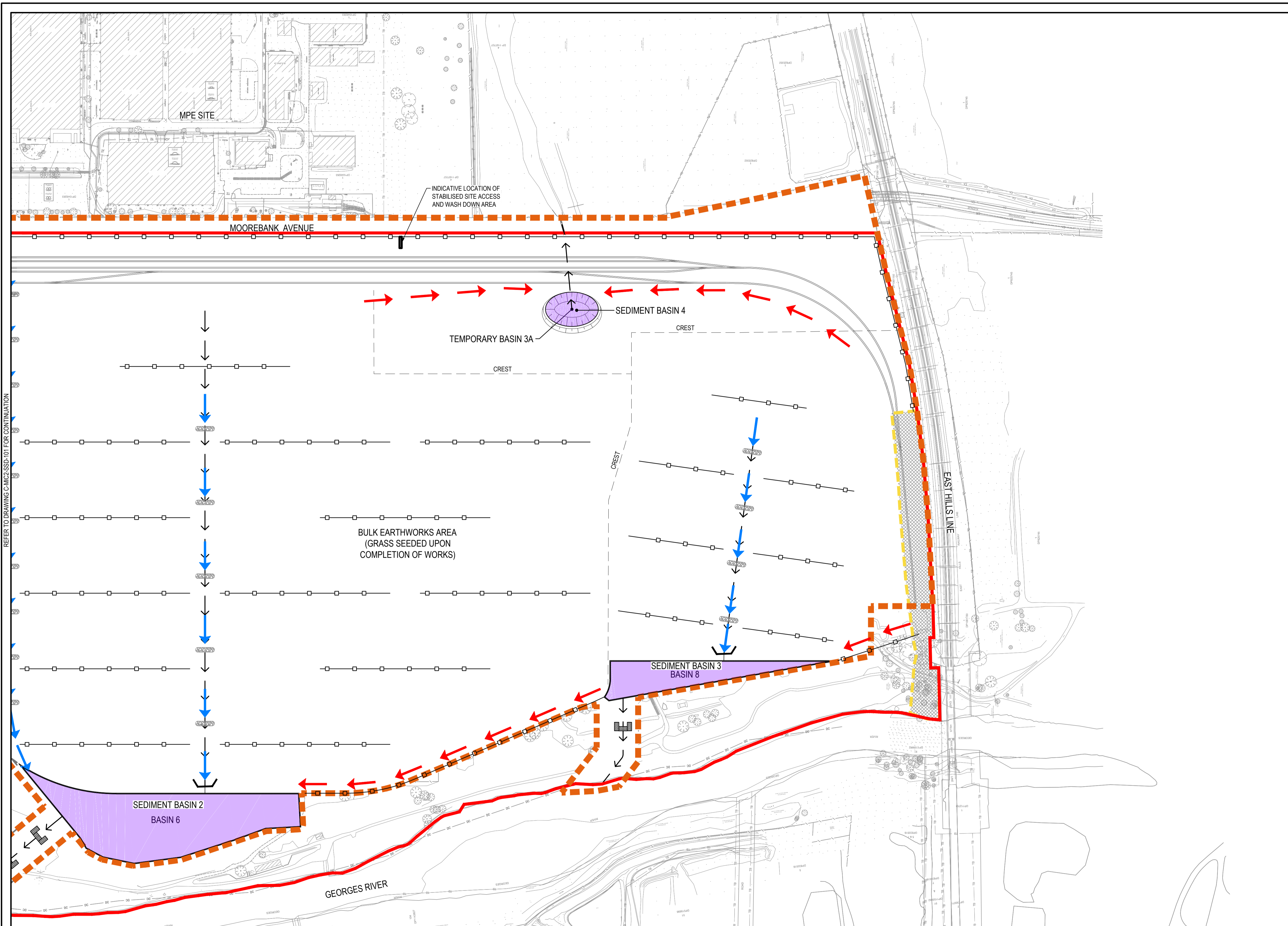
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Drawn	L.CORSCADDEN
Designed	G.DUNSTAN
Checked	G.DUNSTAN
Approved	B.LUSTY
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Project
MPW INTERMODAL TERMINAL FACILITY - STAGE 2 STATE SIGNIFICANT DEVELOPMENT APPLICATION

Title
EROSION AND SEDIMENT CONTROL PLAN SHEET 1

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arcadis.com

Drawing No.	Project No.	Issue
C-MIC2-SSD-101-AA003760-04		

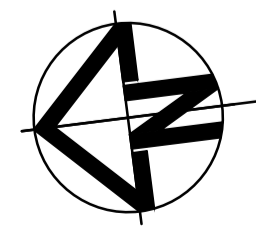
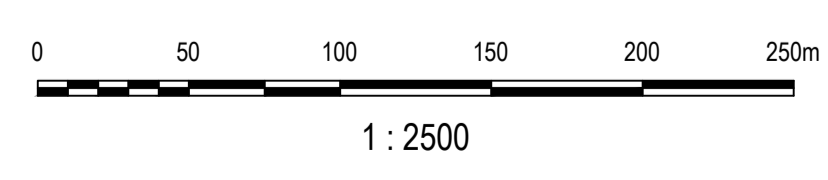


LEGEND

- MPW SITE BOUNDARY
- MPW STAGE 2 CONSTRUCTION AREA
- DIVERSION BUND
- SEDIMENT FENCE
- |— 1m WIDE TURF STRIP BEHIND KERB
- FLOW PATHS & CHECK DAMS @ 100m SPACING
- PROGRESSIVE EROSION & SEDIMENT CONTROL INVOLVING SEDIMENT BASIN/CHECK DAMS
- OUTLET / SWALE / CHANNEL INVERT
- SEDIMENT BASIN
- SUBJECT TO MPE STAGE 1 PROPOSAL (SSD 14 - 6766)

REFER TO DRAWING C-MIC2-SSD-101 FOR CONTINUATION

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

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ALLIANCE

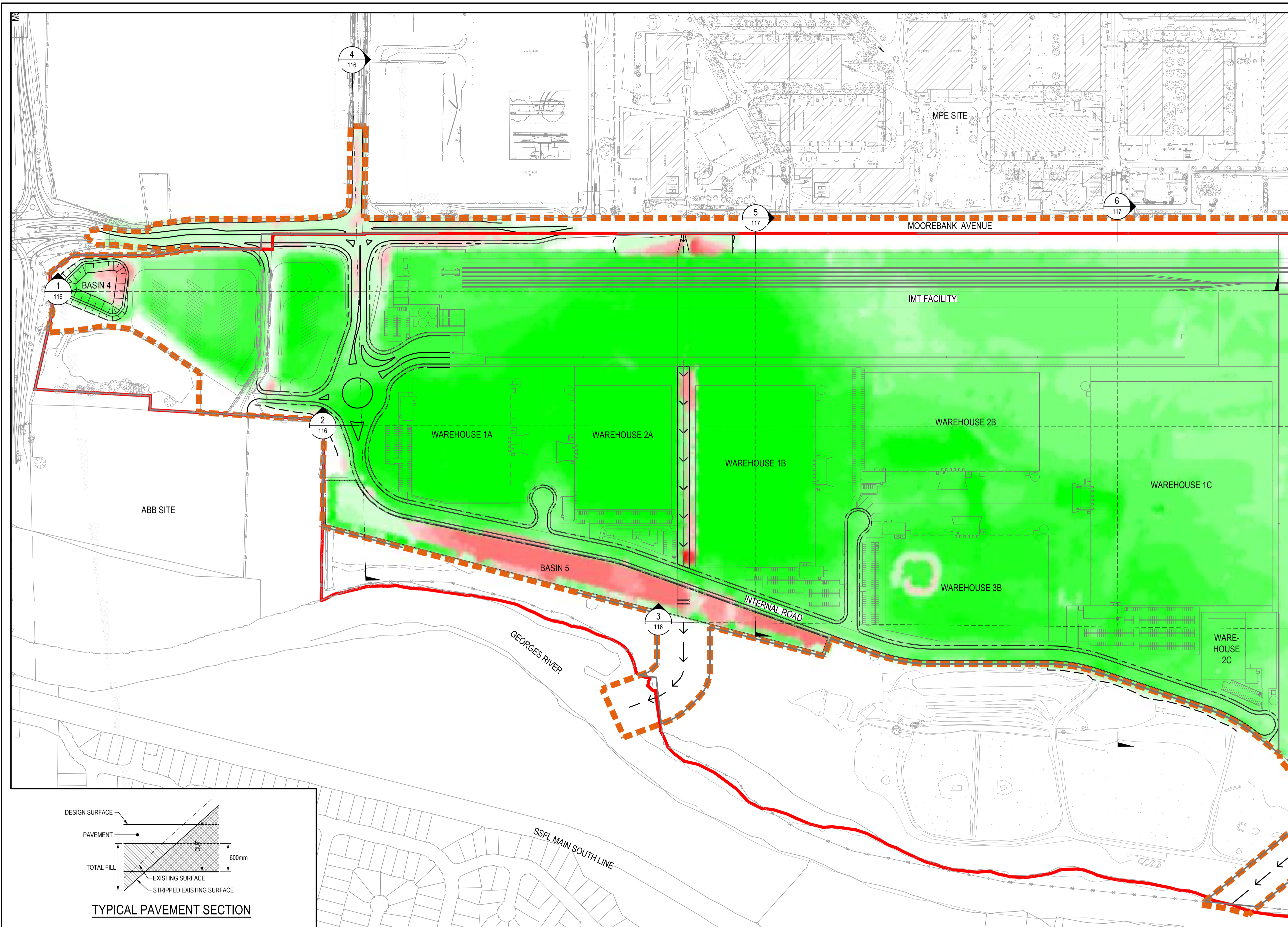
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Scales	1 : 2500
Original Size	A1
Height Datum	AHD
Grid	MGA
Drawn	L.CORSCADDEN
Designed	G.DUNSTAN
Checked	G.DUNSTAN
Approved	B.LUSTY

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

Title
EROSION AND SEDIMENT CONTROL PLAN SHEET 2

Arcadis Australia Pacific Pty Limited
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Drawing No.	Project No.	Issue
C-MIC2-SSD-102-AA003760-04		



LEGEND

- MPW SITE BOUNDARY
- MPW STAGE 2 CONSTRUCTION AREA
- SUBJECT TO MPE STAGE 1 PROPOSAL (SSD 14 - 6766)

NOTES

STRIPPED EXISTING SURFACE CREATED BY STRIPPING OFF THE TOPSOIL FROM THE EXISTING SURFACE IN ACCORDANCE WITH GOLDERS TOPSOIL DEPTH CONTOURS.

CUT / FILL VOLUMES

STRIPPED TOPSOIL	294,200 m ³
TOTAL CUT	540,800 m ³
TOTAL FILL (INCLUDING SELECT)	2,171,300 m ³
FILL TO BE IMPORTED	1,630,500 m ³

EARTHWORKS NOTES/ASSUMPTIONS

TERMINAL

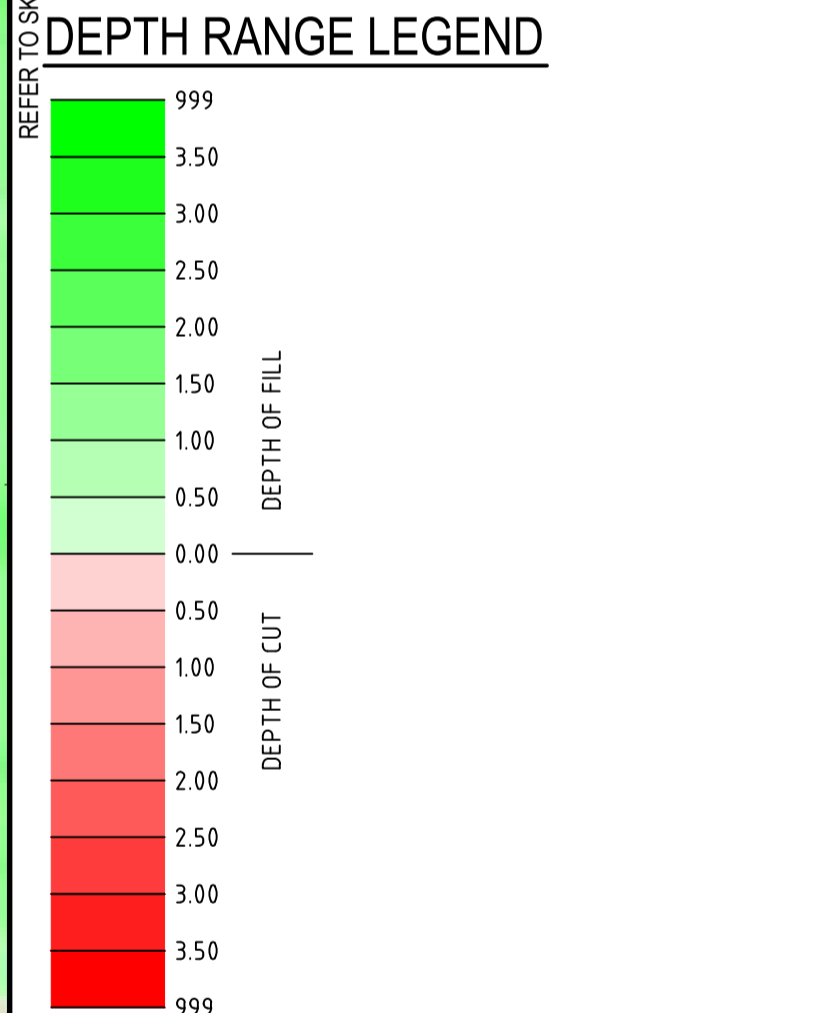
- THE CUT/FILL VOLUMES DO NOT INCLUDE THE ACTUAL PAVEMENT MATERIALS REQUIRED. THE FOLLOWING PAVEMENT MATERIAL THICKNESS HAVE BEEN ASSUMED:
 - PAVEMENT THICKNESS 675MM.
- FILL VOLUMES ARE TAKEN BETWEEN THE UNDERSIDE OF PAVEMENT AND THE STRIPPED EXISTING SURFACE.
- IN AREAS OF CUT IT IS ASSUMED TO EXCAVATE AN ADDITIONAL 600MM.

RAIL

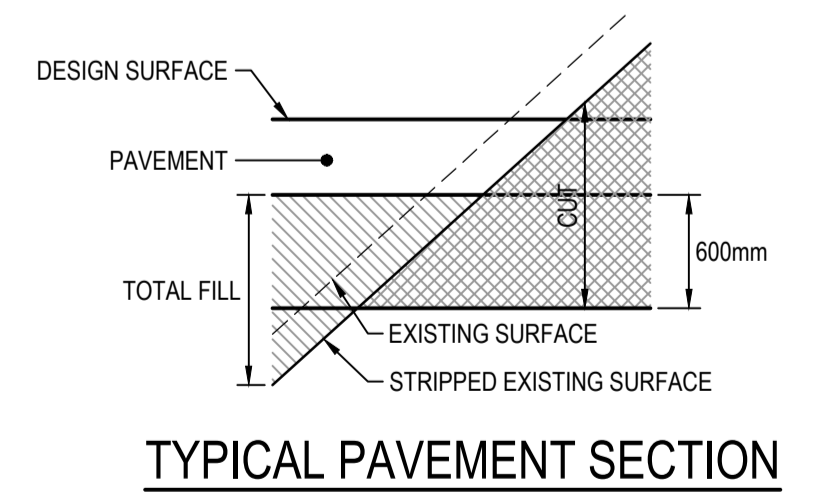
- THE CUT/FILL VOLUMES DO NOT INCLUDE THE ACTUAL PAVEMENT MATERIALS REQUIRED. THE FOLLOWING PAVEMENT MATERIAL THICKNESS HAVE BEEN ASSUMED:
 - PAVEMENT THICKNESS 425MM.
- FILL VOLUMES ARE TAKEN BETWEEN THE UNDERSIDE OF PAVEMENT AND THE STRIPPED EXISTING SURFACE.
- IN AREAS OF CUT IT IS ASSUMED TO EXCAVATE AN ADDITIONAL 600MM.

REST OF SITE

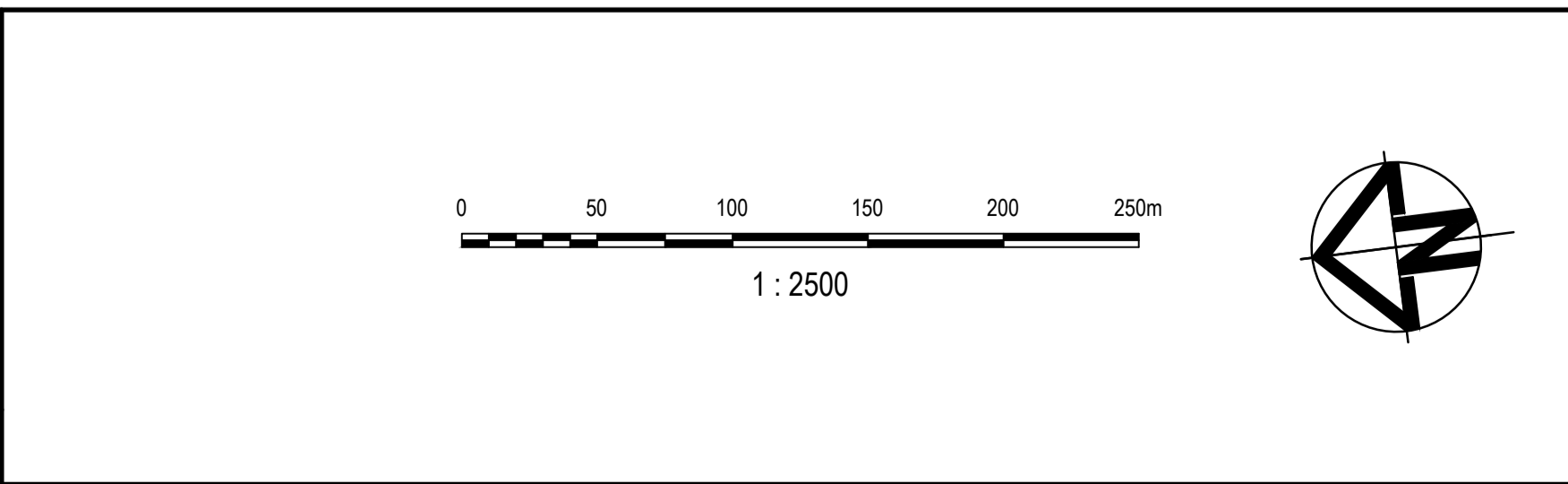
- THE CUT/FILL VOLUMES DO NOT INCLUDE THE ACTUAL PAVEMENT MATERIALS REQUIRED. THE FOLLOWING PAVEMENT MATERIAL THICKNESS HAVE BEEN ASSUMED:
 - PAVEMENT THICKNESS 425MM.
- FILL VOLUMES ARE TAKEN BETWEEN THE UNDERSIDE OF PAVEMENT AND THE STRIPPED EXISTING SURFACE.
- IN AREAS OF CUT IT IS ASSUMED TO EXCAVATE AN ADDITIONAL 600MM.



REFER TO SKETCH SKC-MIC2-008 FOR CONTINUATION



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 : 2500	Current Issue Signatures
Original Size	A1	Designed K.MCAREAVEY
Height Datum	AHD	Checked K.MCAREAVEY
Grid	MGA	Approved B.LUSTY

Files: MIC2-SSD-111-AA003760-nsd-BulkEarthworksCutAndFillPlanSheet1.dwg

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

Title: **BULK EARTHWORKS CUT & FILL PLAN SHEET 1**

ARCADIS

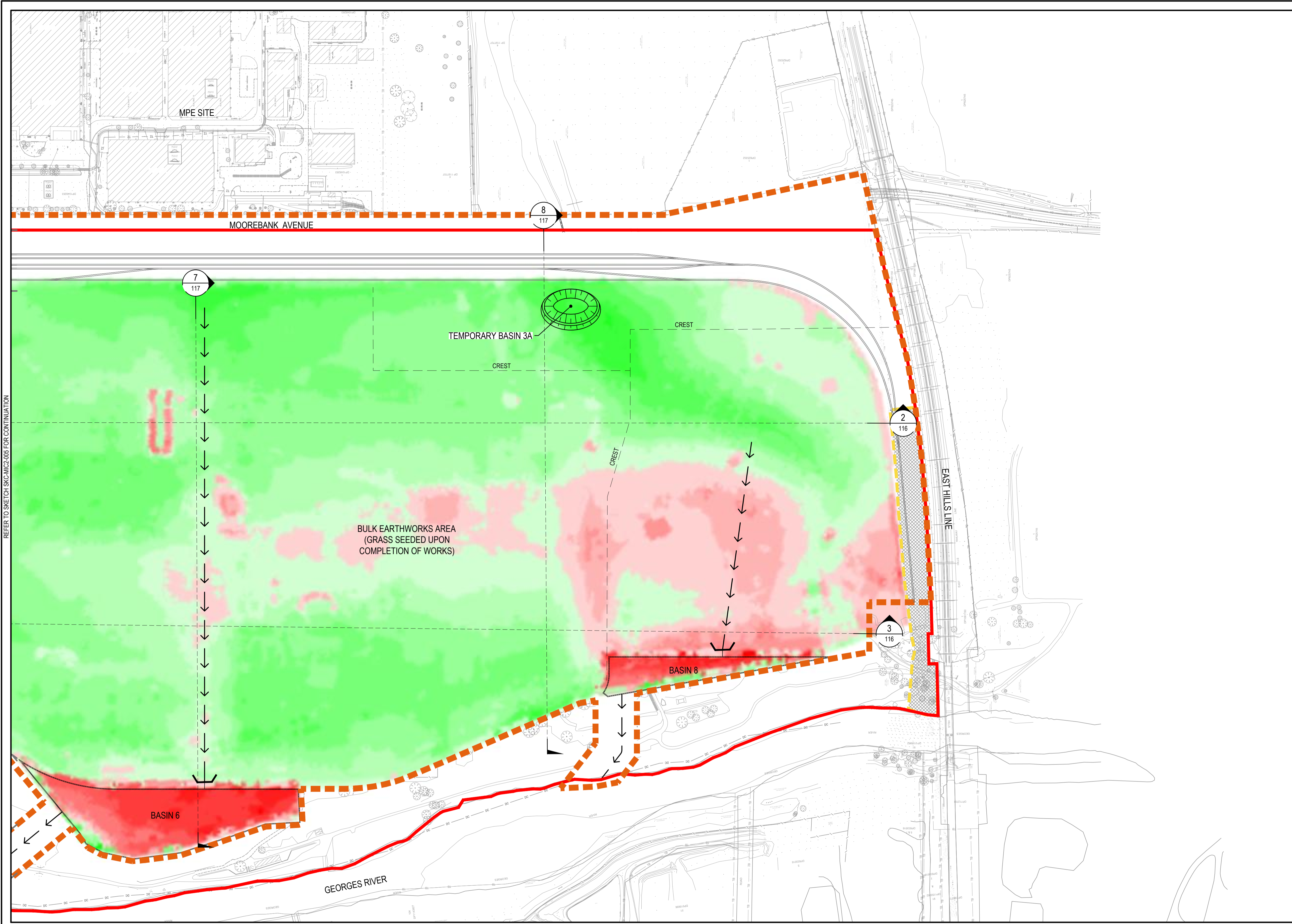
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Fax No: +61 2 8907 9001
arcadis.com

Drawing No. Project No. Issue

C-MIC2-SSD-111-AA003760-04

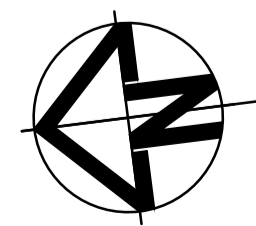
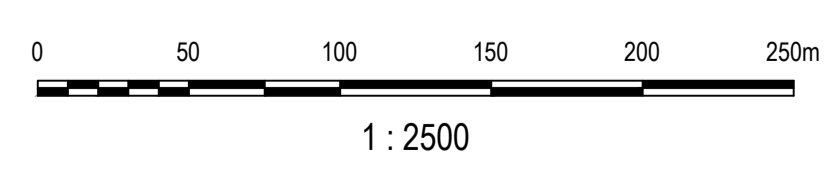
NOTES

1. REFER TO SHEET 1 FOR NOTES & LEGEND.



REFER TO SKETCH SKC-MIC2-005 FOR CONTINUATION

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

FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	
Scales	1 : 2500
Original Size	A1
Height Datum	AHD
Grid	MGA
Drawn	L.CORSCADDEN
Designed	K.MCAREAVEY
Checked	K.MCAREAVEY
Approved	B.LUSTY

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

Title
BULK EARTHWORKS CUT & FILL PLAN SHEET 2

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Drawing No. | Project No. | Issue
C-MIC2-SSD-112-AA003760-04