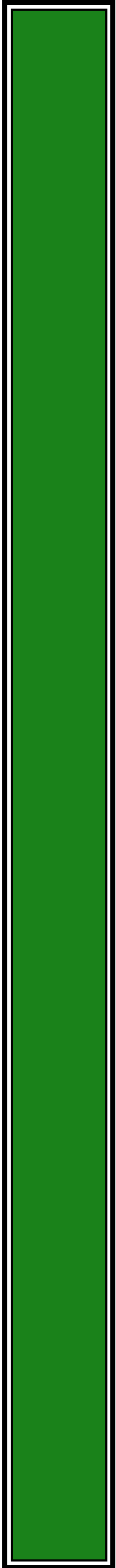
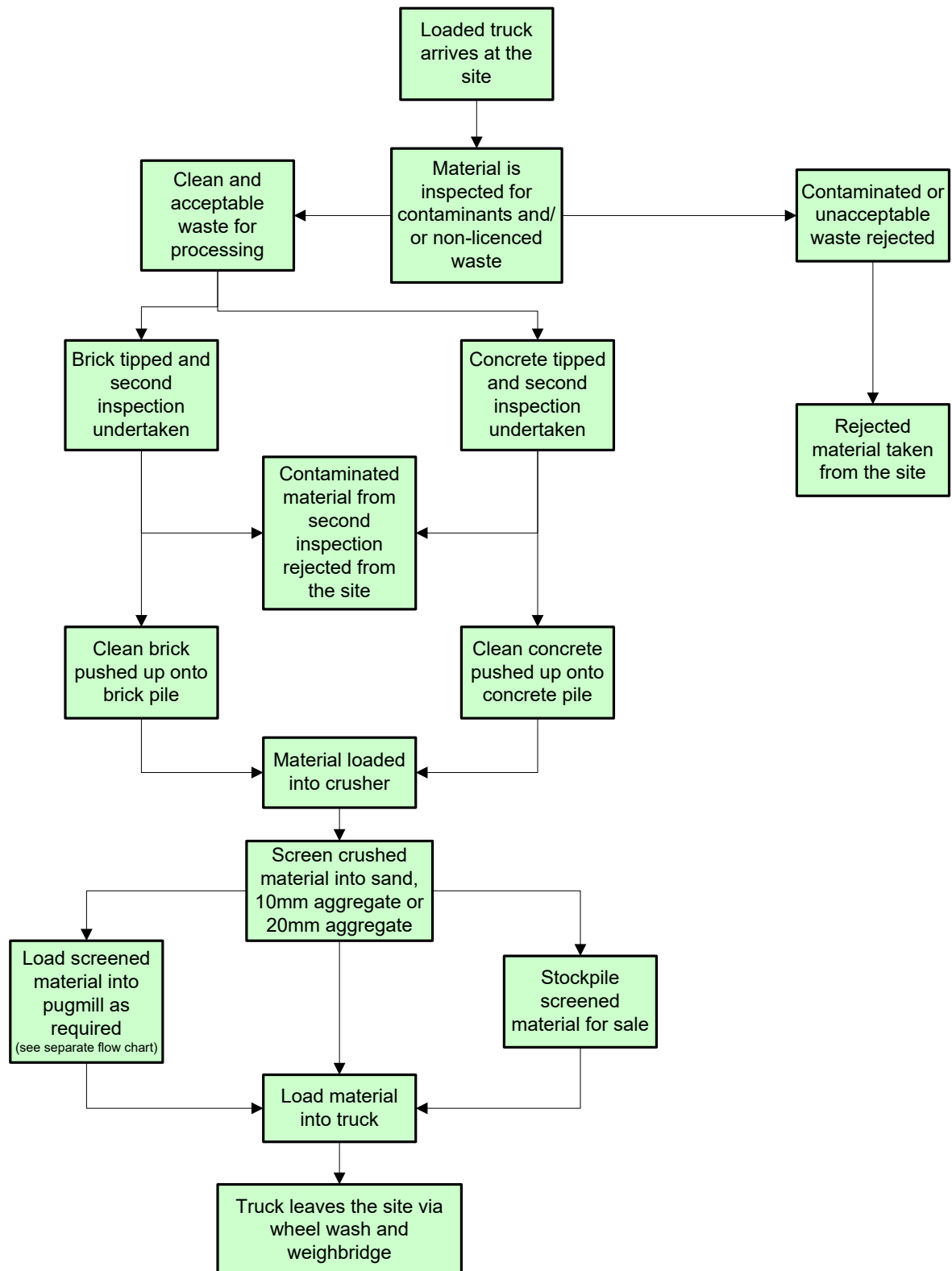


Appendix 4

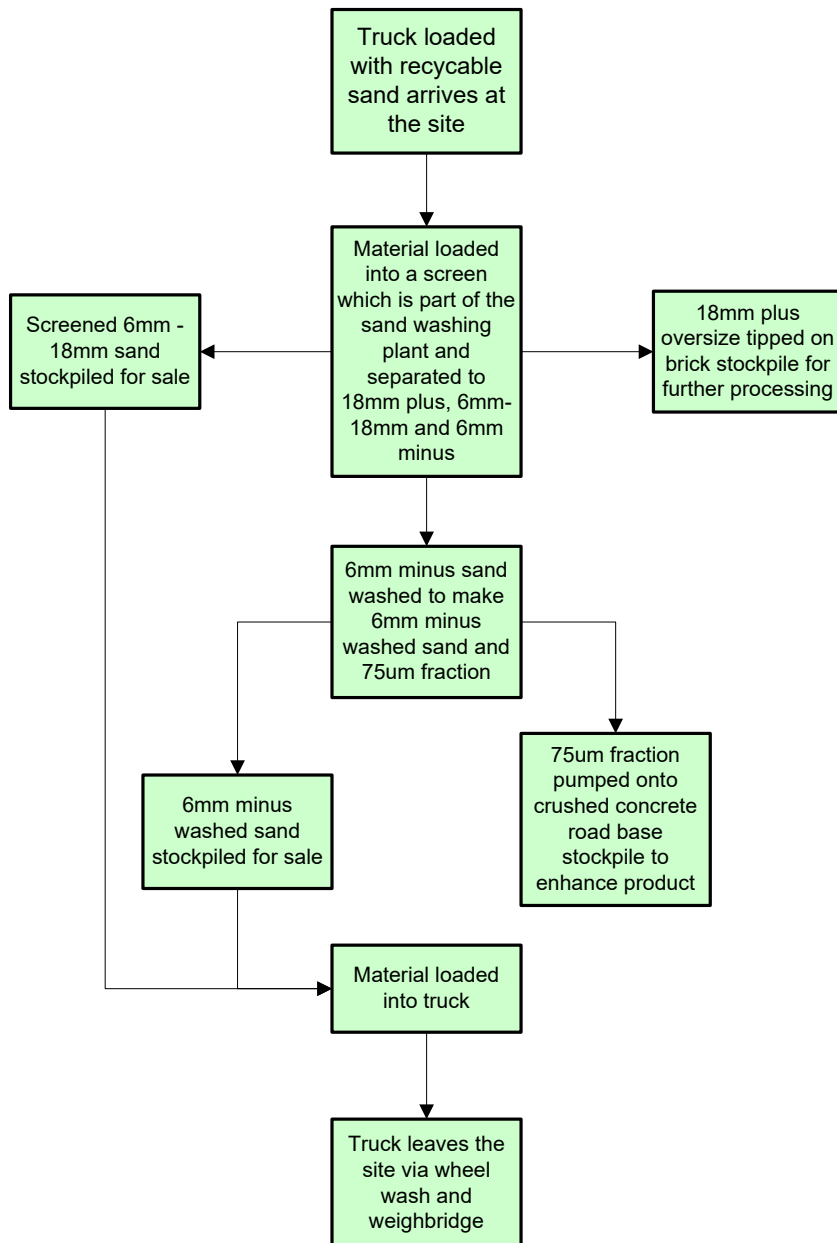
Plans of the Proposed Development



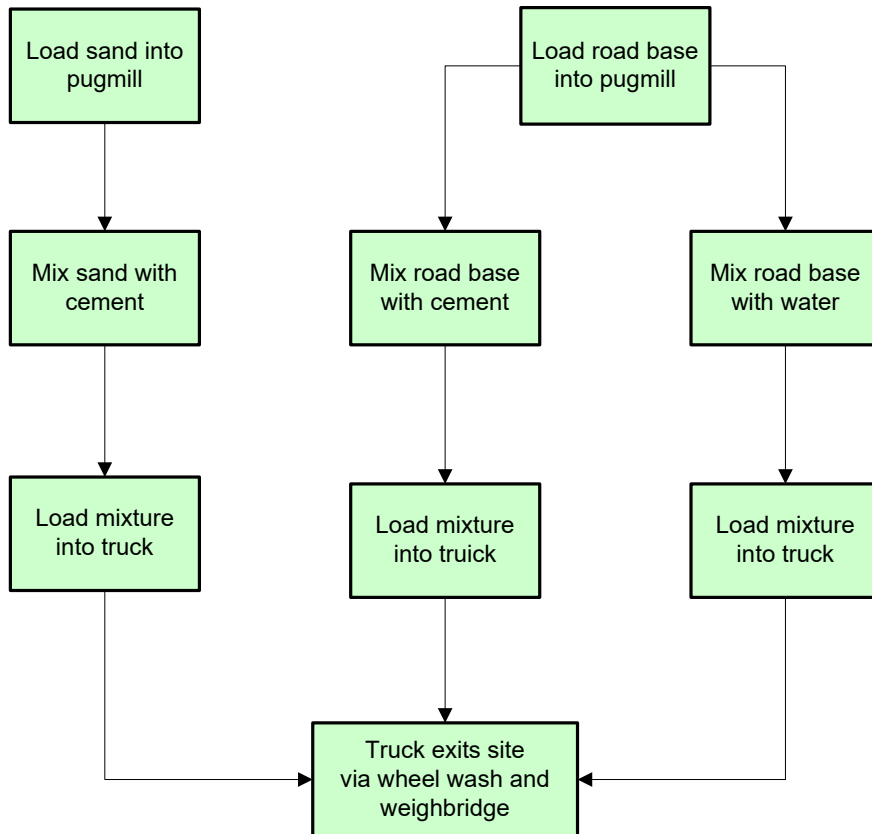
Operation of the concrete and brick recycling plant



Operation of recycled sand washing plant



Use of the pugmill



DRAWING LIST		
DWG NO.	REV	DWG TITLE
GENERAL		
PS02-A000	N	COVER SHEET
PS02-A300	B	RIPARIAN FEATURES CONSTRAINTS PLAN
PS02-A400	J	SITE LAYOUT
PS02-A200	E	SITE FENCING, FIRE FIGHTING AND SPRINKLERS PLAN
CONSTRUCTION MANAGEMENT WORKS		
PS02-B300	G	SEDIMENT AND EROSION CONTROL PLAN
PS02-B350	B	SEDIMENT AND EROSION CONTROL DETAILS
EARTHWORKS		
PS02-C100	G	EARTHWORKS PLAN - SHEET 01
PS02-C105	D	EARTHWORKS PLAN - SHEET 02
PS02-C600	G	EARTHWORKS CUT & FILL ANALYSIS PLAN
PS02-C700	E	EARTHWORKS SECTIONS - SHEET 01
PS02-C701	E	EARTHWORKS SECTIONS - SHEET 02
PS02-C705	A	EARTHWORKS SECTIONS - SHEET 03
ROADWORKS		
PS02-D201	H	SWEEP PATH ANALYSIS - SHEET 1 (TURNING MANOEUVRE ON SITE)
PS02-D202	H	SWEEP PATH ANALYSIS - SHEET 2 (TURNING MANOEUVRE ON SITE)
PS02-D203	E	SWEEP PATH ANALYSIS - SHEET 3 (ENTRANCE AND EXIT MANOEUVRES)
PS02-D204	E	SWEEP PATH ANALYSIS - SHEET 4 (TURNING MANOEUVRE ON SITE)
PS02-D205	E	SWEEP PATH ANALYSIS - SHEET 5 (TURNING MANOEUVRE ON SITE)
PS02-D210	E	SITE LOADING AND UNLOADING PLAN
DRAINAGE		
PS02-E100	K	DRAINAGE PLAN
PS02-E200	D	DRAINAGE DETAILS
PS02-E201	A	SEDIMENT BASIN CROSS SECTIONS
PS02-E410	A	DRAINS CATCHMENT PLANS
PS02-E600	C	DRAINS MODELLING RESULTS
PS02-E700	B	WATER QUALITY CATCHMENT PLAN
SITEWORKS		
PS02-F101	F	DRIVEWAY PLAN
PS02-F102	F	CARPARK PLAN
PS02-F103	E	DRIVEWAY CROSS SECTION
PS02-F200	G	RETAINING WALL PLAN
PS02-F201	E	RETAINING WALL DETAILS
PS02-F400	C	DRIVEWAY LONGITUDINAL AND TYPICAL CROSS SECTIONS
PAVEMENT AND SIGNAGE		
PS02-G100	F	PAVEMENT PLAN



LOCALITY PLAN
N.T.S.

LGA: CAMPBELLTOWN

7 MONTORE ROAD, MINTO NSW 2566
LOT 52 DP 618900

DEVELOPMENT APPLICATION

REV

DESCRIPTION

DATE

DRAWN

DESIGNED

CHECKED

APPRVD

N

STOCKPILE DETAILS ADDED

26/06/2020

RK

SA

SA

TH

M

MINOR AMENDMENTS

16/06/20

GM/JS

SS

SL

TH

L

MINOR AMENDMENTS

02/03/2020

LL

EZ

TH

TH

K

NEW PAGE ADDED

15/11/2019

RK/LL

EZ

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TH

J

MINOR AMENDMENTS

12/10/2018

RK

EZ

TH

TH

I

MINOR AMENDMENTS

28/09/2018

JCF/LZ/PBG/JCF/EZ

TH

TH

H

AMENDMENTS AS PER CLIENT COMMENTS

20/09/2018

PB/JCF/LZ

JCF

TH

G

CLIENT REQUESTED AMENDMENTS

12/09/2018

JCF/LZ

JCF

A1 / A3 LANDSCAPE (A1/LC_V02.0.01)

SCALE

GRID

DATUM

PROJECT MANAGER

TH

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CLIENT

CONCRETE RECYCLERS (GROUP) PTY LTD


PROJECT NAME/PLANSET TITLE

MINTO CONCRETE RECYCLERS

SITE EARTHWORKS

7 MONTRE ROAD, MINTO NSW 2566

LOT 52 DP 618900



Consulting Engineers

Environment

Water

Geotechnical

Civil

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Internet: www.martens.com.au

DRAWING TITLE

COVER SHEET

PROJECT NO.

P1203464

PLANSET NO.

PS02

RELEASE NO.

R15

DRAWING NO.

PS02-A000

REVISION

N

DRAWING ID: P1203464-PS02-R15-A000



KEY:

- SITE BOUNDARY
- - - CONCRETE LINED CHANNEL
- . - . 40 m WATERFRONT LAND BUFFER
- /// RIPARIAN ZONE

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
B	MINOR AMENDMENTS	28/09/2018	CF/LZ/PB	JCF	TH	TH
A	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF	JCF		

SCALE
0 5 10 15 20 25 30 35 40 45 50
A1 (A3) 1:500 (1:1,000) METRES

GRID
MGA

DATUM
m AHD

PROJECT MANAGER
TH

CLIENT
CONCRETE RECYCLERS (GROUP) PTY LTD

PROJECT NAME/PLANSET TITLE
MINTO CONCRETE RECYCLERS
SITE EARTHWORKS

7 MONTORE ROAD, MINTO NSW 2566
LOT 52 DP 618900

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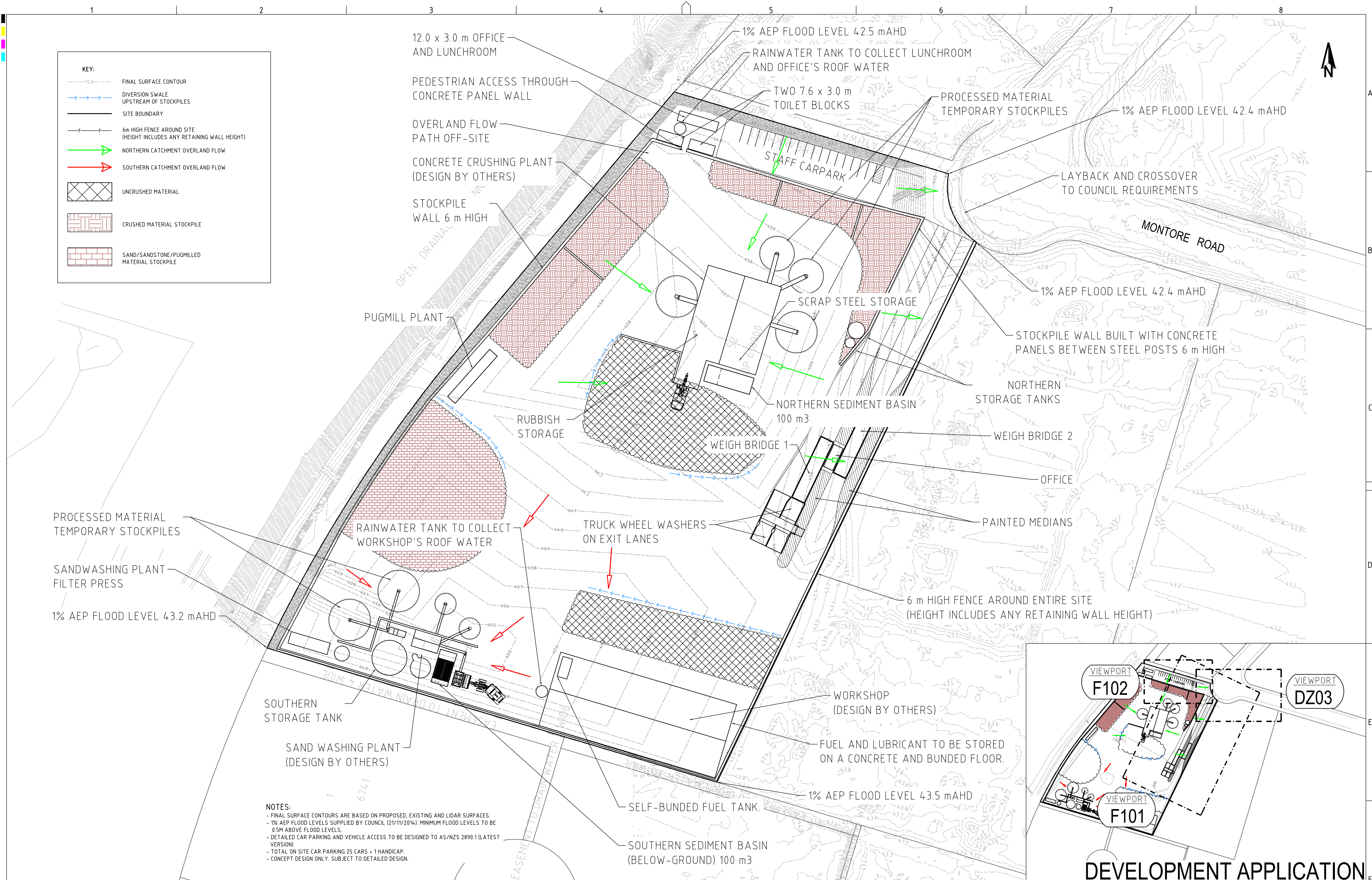
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Email: mail@martens.com.au Internet: www.martens.com.au

DRAWING TITLE				
RIPARIAN FEATURES CONSTRAINTS PLAN				
PROJECT NO. P1203464	PLANSET NO. PS02	RELEASE NO. R15	DRAWING NO. PS02-A300	REVISION B

PRINTED: 12/09/2018 14:02:14

A1 / A3 LANDSCAPE (A1L_C_02.0.01)

DRAWING ID: P1203464-PS02-R15-A300



REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
J	MINOR AMENDMENTS	16/06/20	GM/JS	SS	SL	TH
I	MINOR AMENDMENTS	02/03/2020	LL	JCF	TH	TH
H	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	JCF	TH	TH
G	AMENDMENTS AS PER CLIENT COMMENTS	20/09/2018	PB/JCF/LZ	JCF	TH	
F	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	JCF		
E	CLIENT REQUESTED AMENDMENTS	03/08/2018	LZ	JCF	TH	TH
D	UPDATED AS PER CLIENT REQUEST	06/06/2018	RK/JCF	JCF	TH	TH
C	CLIENT REQUESTED AMENDMENTS	21/03/2018	KW/JCF	JCF	TH	

SCALE	GRID	DATUM	PROJECT MANAGER	CLIENT
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A1 (A3) 1:500 (1:1,000)				
A1 (A3) 1:2,000 (1:4,000)				

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PROJECT NAME/PLANSET TITLE	CLIENT
MINTO CONCRETE RECYCLERS SITE EARTHWORKS	CONCRETE RECYCLERS (GROUP) PTY LTD
7 MONTORE ROAD, MINTO NSW 2566 LOT 52 DP 618900	

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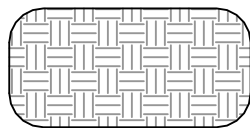
Environment
Water
Geotechnical
Civil

DRAWING TITLE				
SITE LAYOUT				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1203464	PS02	R15	PS02-A400	J



KEY:

INDICATIVE STOCKPILE



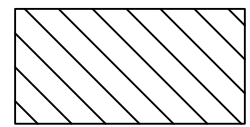
GEOTEXTILE INLET FILTER



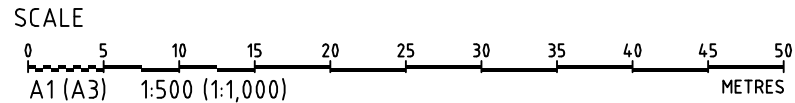
SEDIMENT FENCE



STABILISED SITE ACCESS



REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
G	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	CG/JCF	TH	TH
F	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	JCF		
E	CLIENT REQUESTED AMENDMENTS	03/08/2018	PB	JCF	TH	TH
D	UPDATED AS PER CLIENT REQUEST	06/06/2018	RK/JCF	JCF	TH	TH
C	CLIENT REQUESTED AMENDMENTS	21/03/2018	KW/JCF	JCF	TH	
B	CLIENT REQUESTED AMENDMENTS	09/03/2018	KW	CG/JCF	TH	
A	BALANCE SITE EARTHWORKS	07/11/2017	CG	CG	TH	



GRID	DATUM	PROJECT MANAGER	CLIENT
MGA	MAHD	TH	CONCRETE RECYCLERS (GROUP) PTY LTD
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MINTO CONCRETE RECYCLERS
SITE EARTHWORKS
7 MONTORE ROAD, MINTO NSW 2566
LOT 52 DP 618900

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Consulting Engineers
Environment
Water
Geotechnical
Civil

DEVELOPMENT APPLICATION

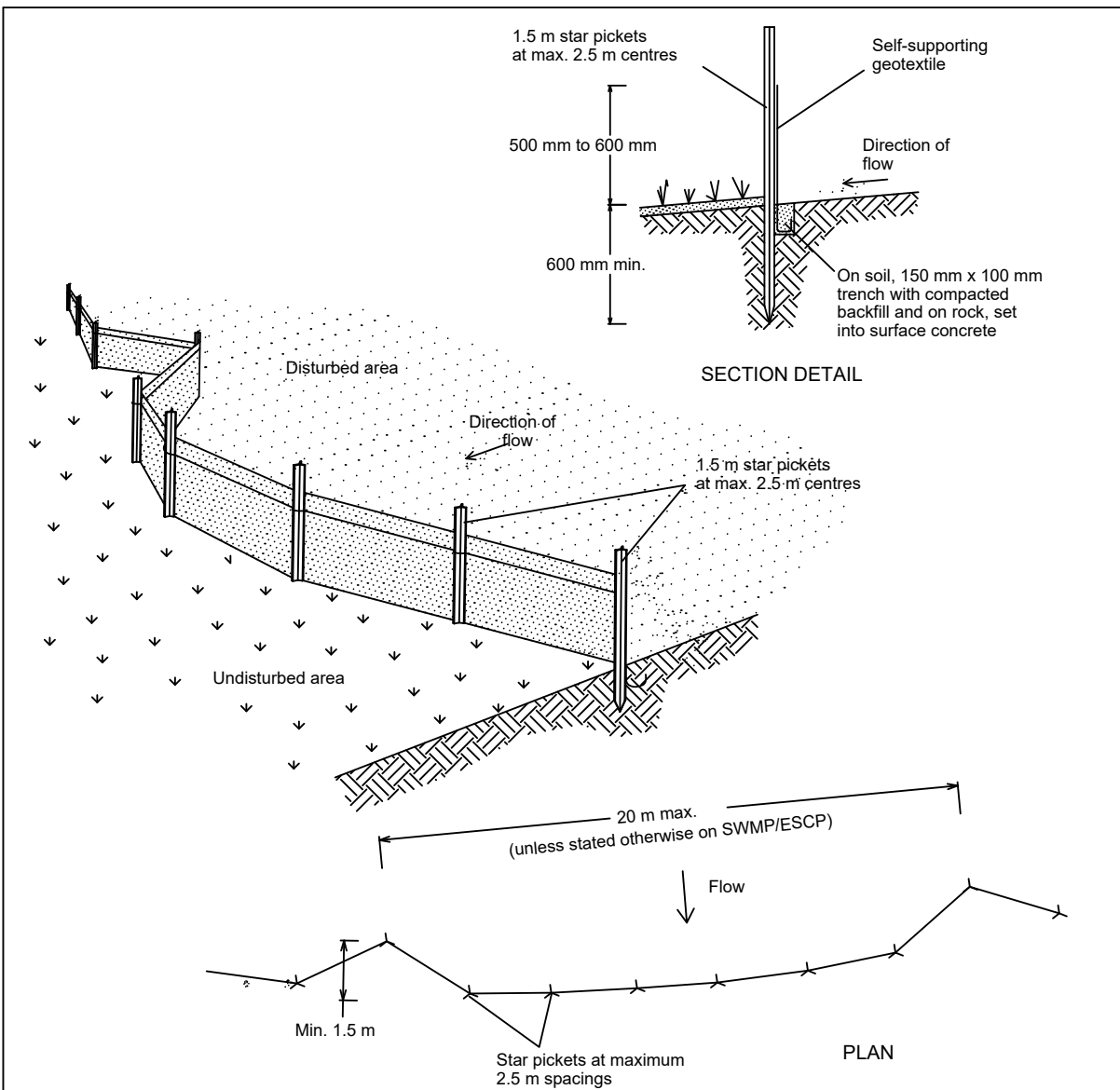
DRAWING TITLE				
SEDIMENT AND EROSION CONTROL PLAN				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1203464	PS02	R15	PS02-B300	G

PRINTED: 11/10/2018 10:02:14 AM

A1 / A3 LANDSCAPE (A1L_C_02.0.01)

DRAWING ID: P1203464-PS02-R15-B300

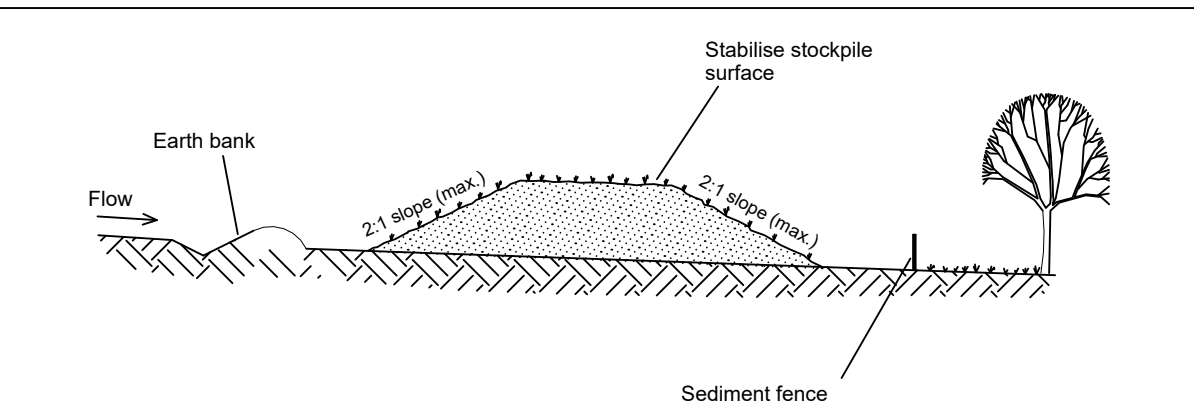
0 5 10 15 20 25 30 35 40 45 50



Construction Notes

1. Construct sediment fences as close as possible to being parallel to the contours of the site, but with small returns as shown in the drawing to limit the catchment area of any one section. The catchment area should be small enough to limit water flow if concentrated at one point to 50 litres per second in the design storm event, usually the 10-year event.
2. Cut a 150-mm deep trench along the upslope line of the fence for the bottom of the fabric to be entrenched.
3. Drive 1.5 metre long star pickets into ground at 2.5 metre intervals (max) at the downslope edge of the trench. Ensure any star pickets are fitted with safety caps.
4. Fix self-supporting geotextile to the upslope side of the posts ensuring it goes to the base of the trench. Fix the geotextile with wire ties or as recommended by the manufacturer. Only use geotextile specifically produced for sediment fencing. The use of shade cloth for this purpose is not satisfactory.
5. Join sections of fabric at a support post with a 150-mm overlap.
6. Backfill the trench over the base of the fabric and compact it thoroughly over the geotextile.

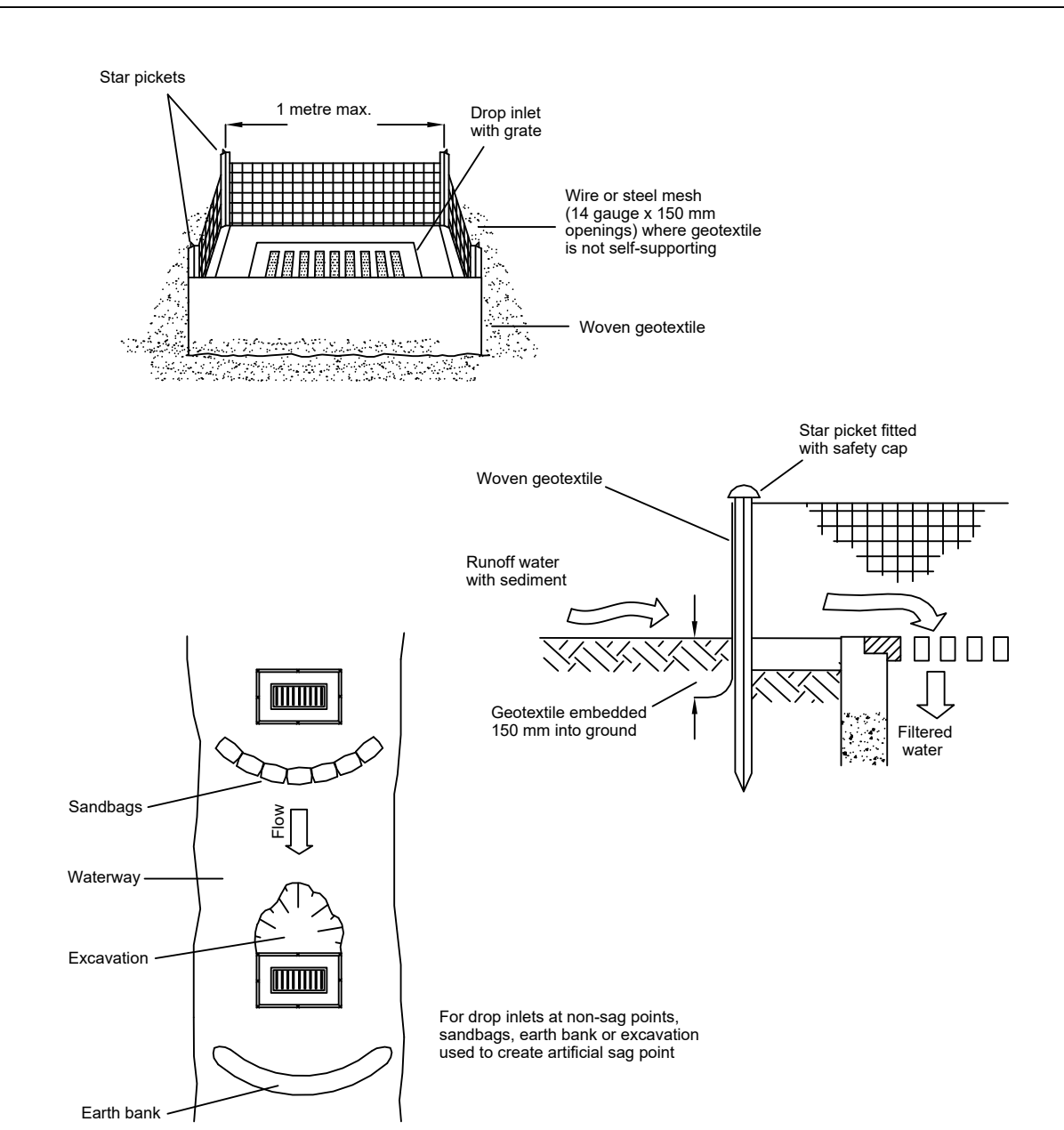
SEDIMENT FENCE SD 6-8



Construction Notes

1. Place stockpiles more than 2 (preferably 5) metres from existing vegetation, concentrated water flow, roads and hazard areas.
2. Construct on the contour as low, flat, elongated mounds.
3. Where there is sufficient area, topsoil stockpiles shall be less than 2 metres in height.
4. Where they are to be in place for more than 10 days, stabilise following the approved ESCP or SWMP to reduce the C-factor to less than 0.10.
5. Construct earth banks (Standard Drawing 5-5) on the upslope side to divert water around stockpiles and sediment fences (Standard Drawing 6-8) 1 to 2 metres downslope.

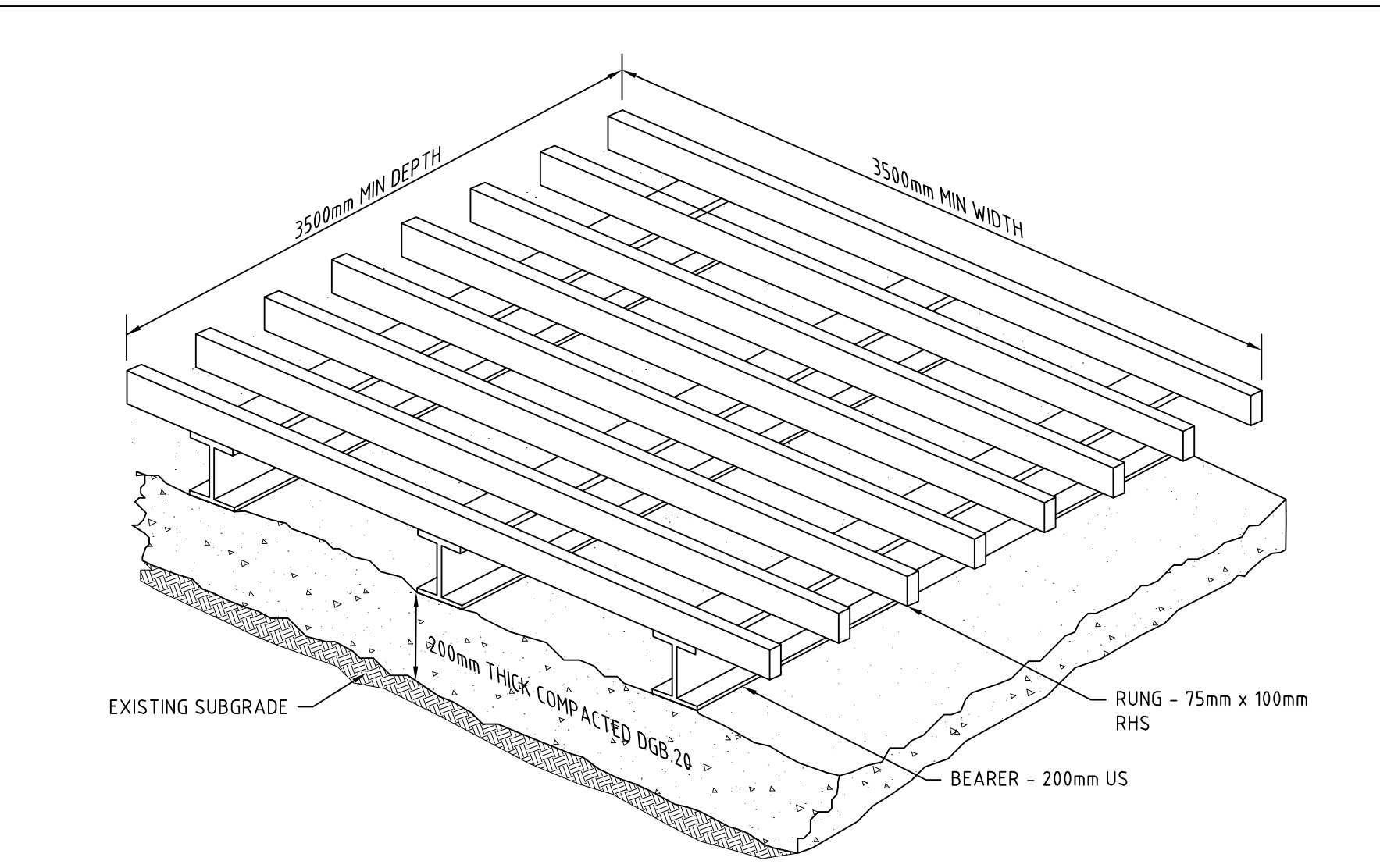
STOCKPILES SD 4-1



Construction Notes

1. Fabricate a sediment barrier made from geotextile or straw bales.
2. Follow Standard Drawing 6-7 and Standard Drawing 6-8 for installation procedures for the straw bales or geofabric. Reduce the picket spacing to 1 metre centres.
3. In waterways, artificial sag points can be created with sandbags or earth banks as shown in the drawing.
4. Do not cover the inlet with geotextile unless the design is adequate to allow for all waters to bypass it.

GEOTEXTILE INLET FILTER SD 6-12



Construction Notes

A correctly designed and installed shaker pad will assist in preventing sediment transfer from a site. Any stabilised access point (SAP) can be designed with a shaker pad (compulsory in Type II SAP's)

Shaker pads can be designed and constructed to enable re-use on future projects.

The shaker pad:

1. Must be designed and certified by a practicing structural engineer. The certified design should be submitted with the relevant application.
2. Can be constructed from any suitable material.
3. Must be located on a suitably prepared and compacted sub-grade/base material.
4. Must be situated such that the rungs of the shaker pad are level with the adjoining natural surface.
5. Must be a minimum of 3.5 m in length.
6. Must be a minimum of 3.5 m in width.
7. Must have clear spacing between rungs of 200 - 250 mm.
8. Rungs must have a maximum width (bearing area) of 75 mm.
9. Must have a minimum clear depth of 300 mm ie. from the top of the rung to the finished sub-grade/base level.
10. Must be provided with suitable barriers at the sides to ensure that all tyres of vehicles leaving the site traverse the device.

SHAKER PAD (CATTLE GRID)



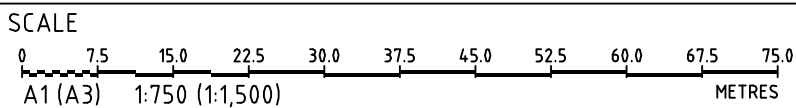
EXISTING SITE CONTOURS



PROPOSED SITE CONTOURS

KEY	
EXISTING CONTOURS	---
DESIGN CONTOURS	---
INTERFACE	---
RETAINING WALL	---
EXTERNAL BOUNDARY	---
OVERLAND FLOW	---

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
G	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	CG/JCF	TH	TH
F	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	JCF	TH	TH
E	CLIENT REQUESTED AMENDMENTS	03/08/2018	LZ	JCF	TH	TH
D	UPDATED AS PER CLIENT REQUEST	06/06/2018	RK/JCF	JCF	TH	TH
C	CLIENT REQUESTED AMENDMENTS	21/03/2018	KW/JCF	JCF	TH	TH
B	CLIENT REQUESTED AMENDMENTS	09/03/2018	KW	CG/JCF	TH	TH
A	BALANCE SITE EARTHWORKS	07/11/2017	CG	CG	TH	TH



GRID	DATUM	PROJECT MANAGER
MGA	MAHD	TH
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CLIENT
CONCRETE RECYCLERS (GROUP) PTY LTD
PROJECT NAME/PLANSET TITLE
MINTO CONCRETE RECYCLERS SITE EARTHWORKS
7 MONTORE ROAD, MINTO NSW 2566 LOT 52 DP 618900

	Consulting Engineers	
	Environment Water Geotechnical Civil	
Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: www.martens.com.au		

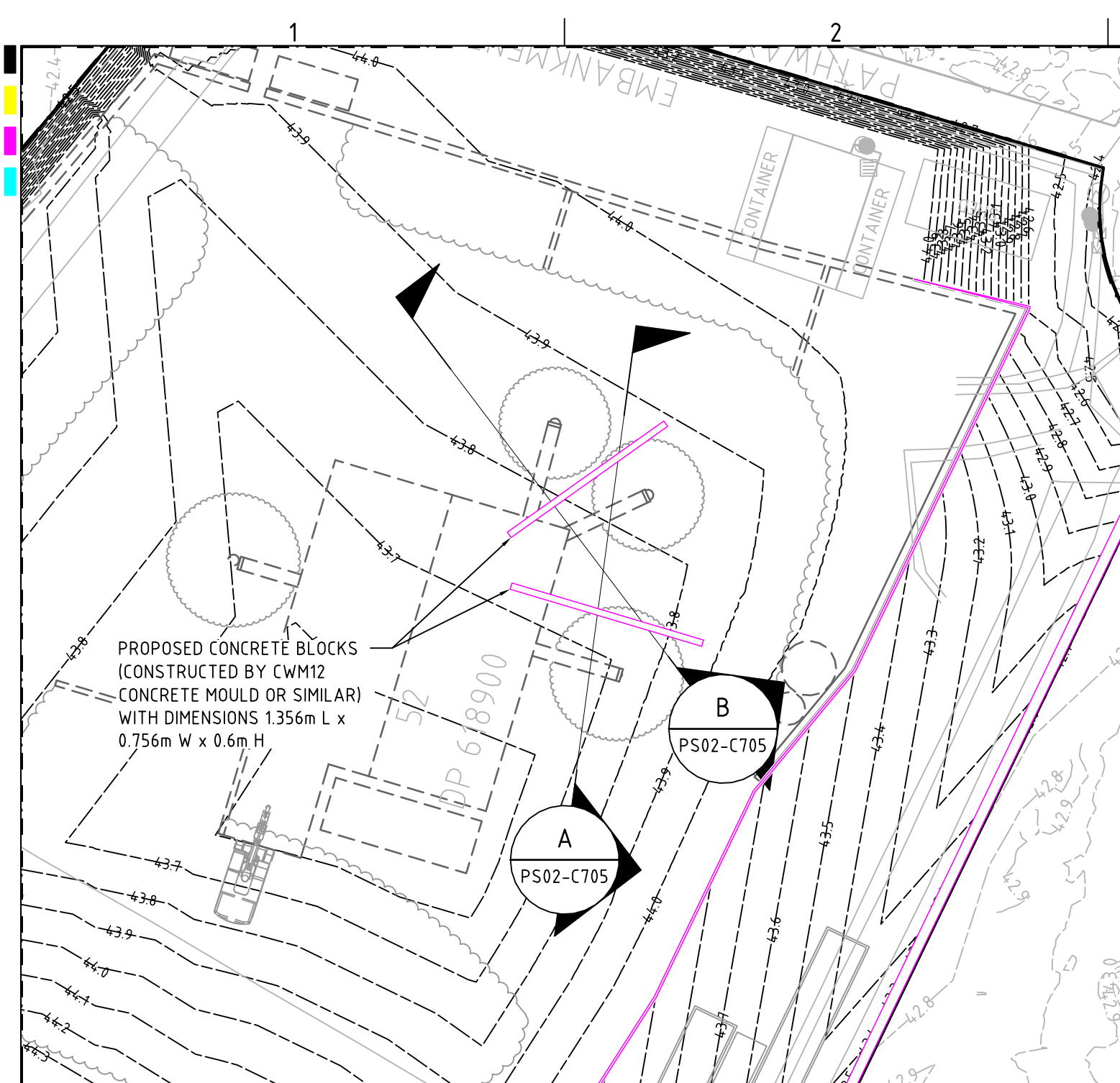
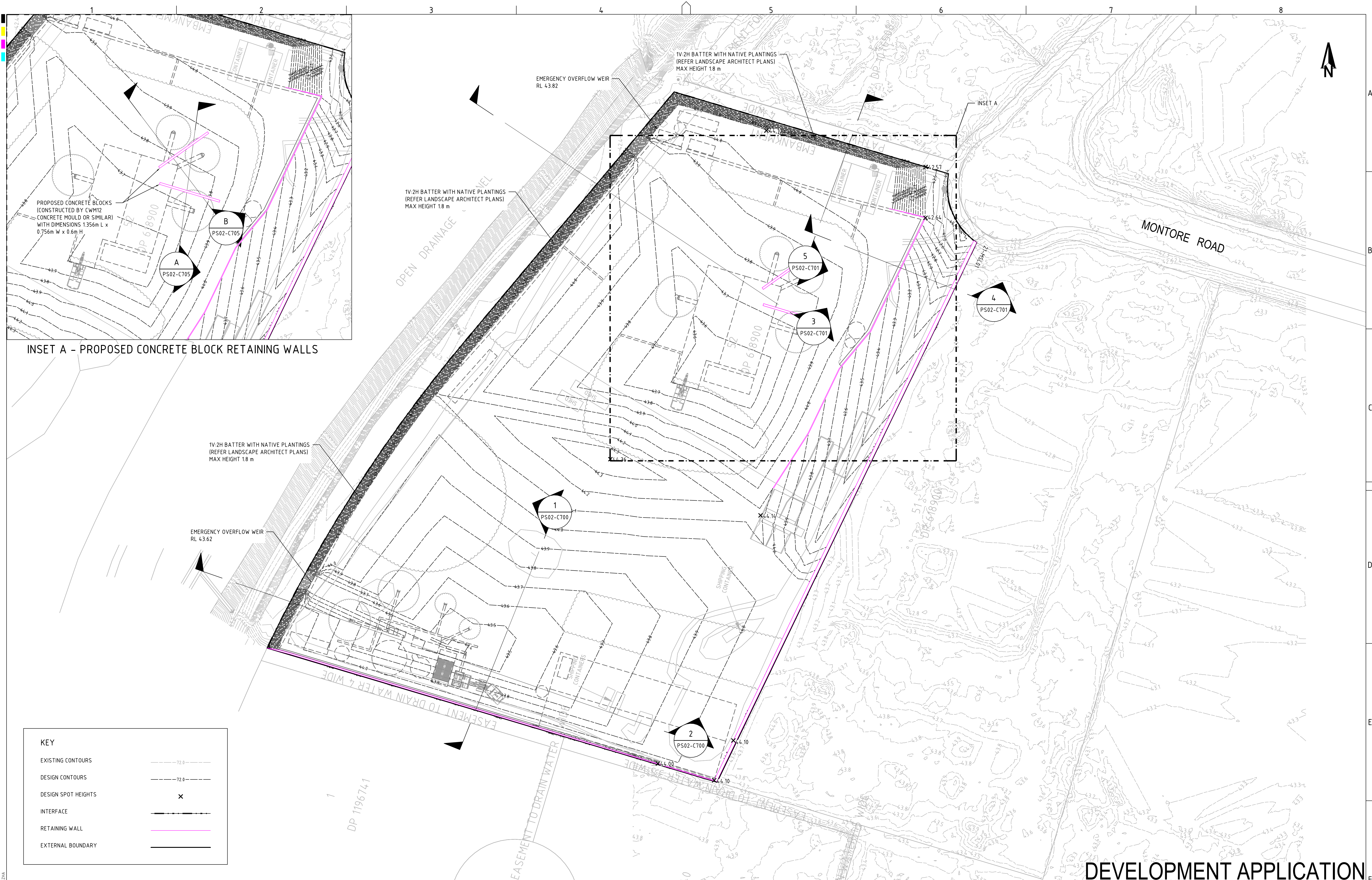
DEVELOPMENT APPLICATION

DRAWING TITLE				
EARTHWORKS PLAN SHEET 01				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1203464	PS02	R15	PS02-C100	G

PRINTED: 11/10/2018 14:02:14

A1 / A3 LANDSCAPE (A1L_C_v02.0.01)

DRAWING ID: P1203464-PS02-R15-C100 0 10 20 30 40 50 60 70 80 90 100



INSET A - PROPOSED CONCRETE BLOCK RETAINING WALLS

KEY	
EXISTING CONTOURS	---
DESIGN CONTOURS	---
DESIGN SPOT HEIGHTS	x
INTERFACE	---
RETAINING WALL	---
EXTERNAL BOUNDARY	---

REV		DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
D		STOCKPILE DETAILS ADDED	26/06/2020	RK	SA	SA	TH
C		MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	CG/JCF	TH	TH
B		CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	JCF	TH	TH
A		CLIENT REQUESTED AMENDMENTS	03/08/2018	LZ	JCF	TH	TH

SCALE		0 5 10 15 20 25 30 35 40 45 50
A1 (A3)		1:500 (1:1,000)

GRID	DATUM	PROJECT MANAGER	CLIENT
TH			CONCRETE RECYCLERS (GROUP) PTY LTD

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PROJECT NAME/PLANSET TITLE	
MINTO CONCRETE RECYCLERS	
SITE EARTHWORKS	
7 MONTORE ROAD, MINTO NSW 2566	
LOT 52 DP 618900	

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& Associates Pty Ltd		Environment	
		Water	
		Geotechnical	
		Civil	

DRAWING TITLE			
EARTHWORKS PLAN			
SHEET 02			

PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1203464	PS02	R15	PS02-C105	D

PRINTED: 26/06/2020 USER: PAUL.HARDING@MARTENS.COM.AU

A1 / A3 LANDSCAPE (A1/LC_v02.0.01)

DRAWING ID: P1203464-PS02-R15-C105



CUT FILL ANALYSIS			
LESS THAN -3.000m			
-3.000	to	-2.250	m
-2.250	to	-1.500	m
-1.500	to	-0.750	m
-0.750	to	-0.150	m
-0.150	to	0.150	m
0.150	to	0.750	m
0.750	to	1.500	m
1.500	to	2.250	m
2.250	to	3.000	m
GREATER THAN 3.000m			

EARTHWORKS SUMMARY		
	CUT	FILL
EARTHWORKS VOLUME (m³)	-1298	7810
EARTHWORKS BALANCE (m³)	-	6512
IMPORTED PAVEMENT (m³)	-	6432
TOTAL BALANCE (m³)	-	80

NOTES:
- EARTHWORKS VOLUMES MEASURED FROM EXISTING LEVELS TO DESIGN SURFACE LEVELS.
- APPROX. 6432 M3 OF HARDSTAND PAVEMENT AT 0.3 M DEPTH REQUIRED (214.40 X 0.3).

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
G	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	CG/JCF	TH	TH
F	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	JCF		
E	CLIENT REQUESTED AMENDMENTS	03/08/2018	LZ	JCF	TH	TH
D	UPDATED AS PER CLIENT REQUEST	06/06/2018	RK/JCF	JCF	TH	TH
C	CLIENT REQUESTED AMENDMENTS	21/03/2018	KW/JCF	JCF	TH	
B	CLIENT REQUESTED AMENDMENTS	09/03/2018	KW	CG/JCF	TH	
A	BALANCE SITE EARTHWORKS	07/11/2017	CG	CG	TH	

SCALE
0 5 10 15 20 25 30 35 40 45 50
A1 (A3) 1:500 (1:1,000) METRES

GRID

MAHD
TH

DATUM
MAHD

PROJECT MANAGER
TH

CLIENT
CONCRETE RECYCLERS (GROUP) PTY LTD

PROJECT NAME/PLANSET TITLE
MINTO CONCRETE RECYCLERS
SITE EARTHWORKS
7 MONTORE ROAD, MINTO NSW 2566
LOT 52 DP 618900

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DRAWING TITLE				
EARTHWORKS CUT & FILL ANALYSIS PLAN				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1203464	PS02	R15	PS02-C600	G

DRAWING ID: P1203464-PS02-R15-C600

DATUM RL 28.000

DESIGN SURFACE LEVELS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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SECTION 1

SCALE: HORIZONTAL - 1:200
VERTICAL - 1:200

DATUM RL 26.000

DESIGN SURFACE LEVELS	EXISTING SURFACE LEVELS	CUT / FILL DEPTH	CHAINAGE
40.224	40.668	0.000	0.000
41.170	41.170	0.000	2.000
41.522	41.522	0.000	4.000
41.713	41.713	0.000	6.000
42.119	42.119	0.000	8.000
42.609	42.609	0.000	10.000
42.629	42.629	0.000	12.000
42.680	42.680	0.000	14.000
42.713	42.713	0.457	16.000
44.098	44.098	1.432	18.000
43.988	43.988	1.158	20.000
43.965	43.965	0.445	22.000
43.946	43.946	0.397	24.000
43.929	43.929	0.372	26.000
43.913	43.913	0.360	28.000
43.896	43.896	0.349	30.000
43.878	43.878	0.301	32.000
43.867	43.867	0.238	34.000
43.816	43.816	0.174	36.000
43.785	43.785	0.109	38.000
43.753	43.753	0.039	40.000
43.722	43.722	0.035	42.000
43.691	43.691	0.047	44.000
43.66	43.66	0.059	46.000
43.629	43.629	0.069	48.000
43.597	43.597	0.069	50.000
43.566	43.566	0.067	52.000
43.535	43.535	0.059	54.000
43.504	43.504	0.051	56.000
43.486	43.486	0.043	58.000
43.49	43.49	0.035	60.000
43.495	43.495	0.026	62.000
43.499	43.499	0.015	64.000
43.503	43.503	0.013	66.000
43.507	43.507	0.018	68.000
43.511	43.511	0.023	70.000
43.514	43.514	0.027	72.000
43.518	43.518	0.044	74.000
43.522	43.522	0.064	76.000
43.526	43.526	0.081	78.000
43.53	43.53	0.098	80.000
43.533	43.533	0.115	82.000
43.537	43.537	0.133	84.000
43.551	43.551	0.150	86.000
43.568	43.568	0.165	88.000
43.585	43.585	0.180	90.000
43.602	43.602	0.182	92.000
43.619	43.619	0.181	94.000
43.636	43.636	0.180	96.000
43.652	43.652	0.177	98.000
43.669	43.669	0.174	100.000
43.686	43.686	0.171	102.000
43.703	43.703	0.168	104.000
43.72	43.72	0.165	106.000
43.737	43.737	0.193	108.000
43.754	43.754	0.223	110.000
43.77	43.77	0.235	112.000
43.787	43.787	0.251	114.000
43.804	43.804	0.234	116.000
43.821	43.821	0.266	118.000
43.838	43.838	0.323	120.000
43.855	43.855	0.361	122.000
43.872	43.872	-0.434	124.000
43.888	43.888	0.170	126.000
43.899	43.899	0.572	128.000

SECTION 2

SCALE: HORIZONTAL - 1:200
VERTICAL - 1:200

BOW BOWING CHANNEL
(APPROX. LOCATION)

ASSUMED GROUNDWATER
TABLE

DATUM RL 25.000

DESIGN SURFACE
LEVELS

EXISTING SURFACE
LEVELS

CUT / FILL DEPTH

CHAINAGE

0.000	39.764	0.000	43.098
2.000	39.771	0.000	44.093
4.000	39.572	0.000	44.039
6.000	39.008	0.000	44.005
8.000	39.594	0.000	43.971
10.000	39.719	0.000	43.937
12.000	39.674	0.000	43.903
14.000	39.615	0.000	43.869
16.000	39.715	0.000	43.835
18.000	39.984	0.000	43.801
20.000	40.545	0.000	43.767
22.000	41.000	0.000	43.733
24.000	41.310	0.000	43.718
26.000	42.034	0.000	43.721
28.000	42.228	0.000	43.724
30.000	42.272	0.000	43.727
32.000	42.319	0.000	43.731
34.000	42.372	0.727	43.734
36.000	42.579	1514	43.737
38.000	43.196	0.843	43.74
40.000	43.797	0.208	43.738
42.000	44.031	-0.060	43.736
44.000	44.039	-0.102	43.734
46.000	44.047	-0.144	43.732
48.000	44.057	-0.188	43.73
50.000	44.061	-0.226	43.728
52.000	44.059	-0.258	43.726
54.000	44.067	-0.301	43.723
56.000	44.079	-0.346	43.718
58.000	44.090	-0.372	43.709
60.000	44.101	-0.392	43.711
62.000	44.113	-0.402	43.714
64.000	44.107	-0.392	43.718
66.000	44.096	-0.378	43.721
68.000	44.084	-0.363	43.724
70.000	44.064	-0.339	43.727
72.000	44.038	-0.310	43.731
74.000	44.012	-0.282	43.734
76.000	43.987	-0.253	43.737
78.000	43.961	-0.224	43.74
80.000	43.936	-0.186	43.738
82.000	43.909	-0.171	43.736
84.000	43.903	-0.167	43.734
86.000	43.888	-0.154	43.732
88.000	43.873	-0.141	43.73
90.000	43.858	-0.128	43.728
92.000	43.843	-0.115	43.726
94.000	43.833	-0.107	43.723
96.000	43.834	-0.111	43.723
98.531	43.835	-0.112	43.723

SECTION 3 - CONCEPTUAL GROUNDWATER MODEL

SCALE: HORIZONTAL - 1:200
VERTICAL - 1:200

DATUM RL 28.000

DESIGN SURFACE
LEVELS

EXISTING SURFACE
LEVELS

CUT / FILL DEPTH

CHAINAGE

0.000	42.706	0.000	43.26
2.000	42.741	0.171	44.091
4.000	42.799	0.071	44.071
6.000	42.794	0.113	44.052
8.000	42.810	0.161	43.962
10.000	42.819	0.216	43.926
12.000	42.835	0.264	43.891
14.000	42.890	0.272	43.848
16.000	42.959	0.267	43.809
18.000	43.049	1.041	43.965
20.000	43.176	0.894	43.953
22.000	43.292	0.757	43.905
24.000	43.370	0.657	43.849
26.000	43.448	0.556	43.819
28.000	43.525	0.454	43.767
30.000	43.588	0.365	43.714
32.000	43.612	0.315	43.667
34.000	43.634	0.265	43.612
34.804	43.639	0.248	43.549

SECTION 4

SCALE: HORIZONTAL - 1:200
VERTICAL - 1:200

DATUM RL 28.000

DESIGN SURFACE
LEVELS

EXISTING SURFACE
LEVELS

CUT / FILL DEPTH

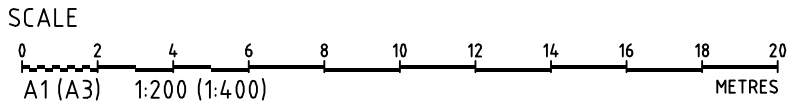
CHAINAGE

0.000	42.587	0.000	43.999
2.000	42.582	0.000	43.997
4.000	42.572	0.427	44.092
6.000	43.482	0.515	44.082
8.000	43.552	0.534	44.071
10.000	43.635	0.444	44.058
12.000	43.693	0.359	44.044
14.000	43.760	0.272	44.031
16.000	43.785	0.227	44.018
18.000	43.790	0.200	44.004
20.000	43.795	0.173	43.991
22.000	43.791	0.153	43.978
24.000	43.784	0.137	43.965
26.000	43.776	0.122	43.95
27.857	43.767	0.113	43.949

SECTION 5

SCALE: HORIZONTAL - 1:200
VERTICAL - 1:200

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
E	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	CG/JCF	TH	TH
D	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	JCF	TH	TH
C	UPDATED AS PER CLIENT REQUEST	06/06/2018	RK/JCF	JCF	TH	TH
B	CLIENT REQUESTED AMENDMENTS	09/03/2018	KW	CG/JCF	TH	
A	BALANCE SITE EARTHWORKS	07/11/2017	CG	CG	TH	



GRID	DATUM	PROJECT MANAGER	CLIENT
---	MAHD	TH	CONCRETE RECYCLERS (GROUP) PTY LTD
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PROJECT NAME/PLANSET TITLE
MINTO CONCRETE RECYCLERS SITE EARTHWORKS
7 MONTORE ROAD, MINTO NSW 2566 LOT 52 DP 618900

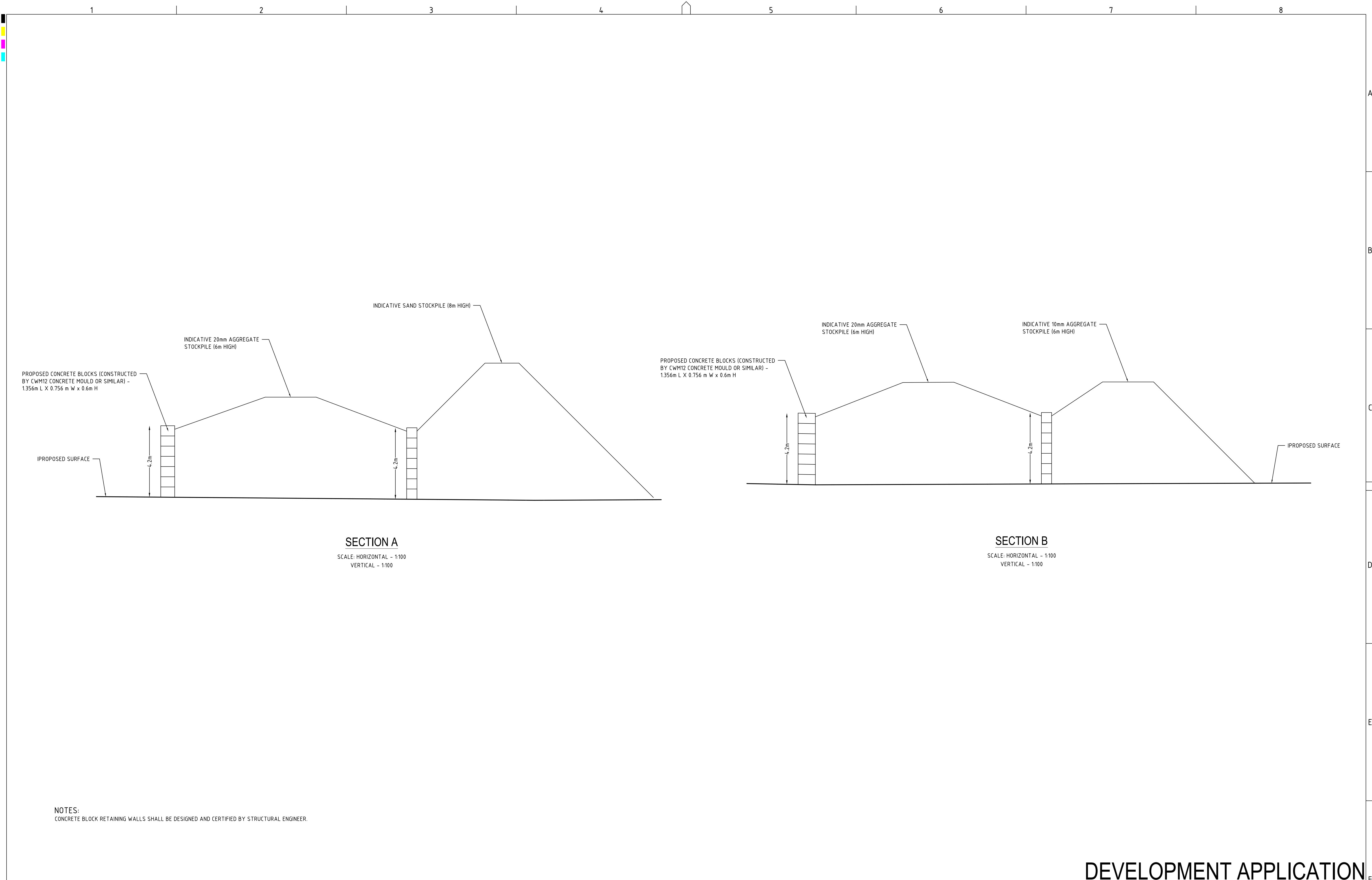


Consulting Engineers
Environment
Water
Geotechnical
Civil

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DEVELOPMENT APPLICATION

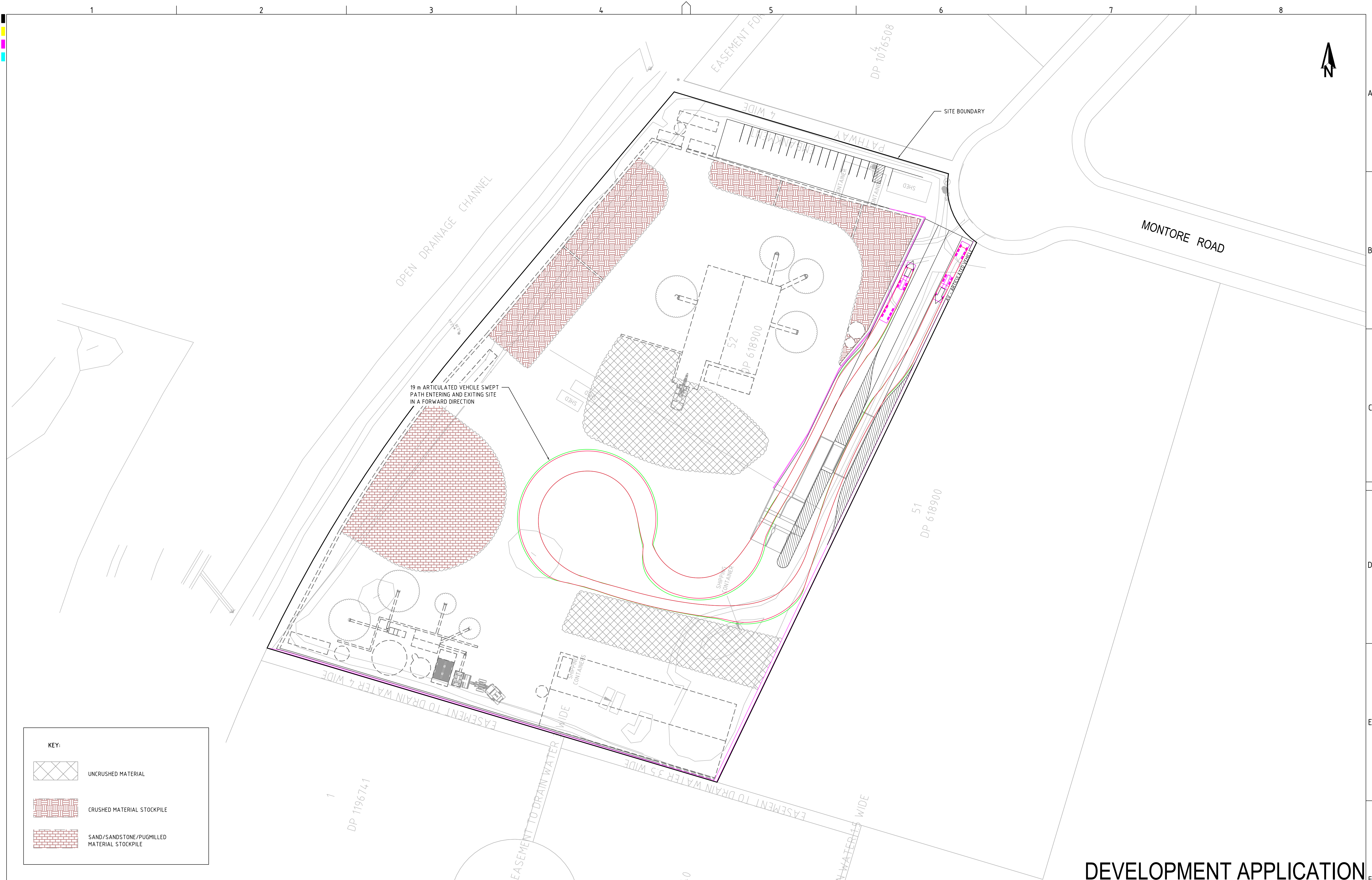
DRAWING TITLE				
EARTHWORKS SECTIONS SHEET 02				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1203464	PS02	R15	PS02-C701	E



NOTES:
CONCRETE BLOCK RETAINING WALLS SHALL BE DESIGNED AND CERTIFIED BY STRUCTURAL ENGINEER.

DEVELOPMENT APPLICATION

REV		DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE	GRID	DATUM	PROJECT MANAGER	CLIENT	<div><div><div></div><div></div><div></div></div><div><div></div><div></div><div></div></div></div> <div><div>martens</div><div>& Associates Pty Ltd</div></div> <div>Consulting Engineers Environment Water Geotechnical Civil</div>				DRAWING TITLE			
A	STOCKPILE DETAILS ADDED	26/06/2020	RK	SA	SA	TH	0 1 2 3 4 5 6 7 8 9 10 A1 (A3) 1:100 (1:200) METRES	---	mAHD	TH	CONCRETE RECYCLERS (GROUP) PTY LTD									
									DISCLAIMER & COPYRIGHT This plan must not be used for construction unless signed as approved by principal certifying authority. All measurements in millimetres unless otherwise specified. This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd. (C) Copyright Martens & Associates Pty Ltd			PROJECT NAME/PLANSET TITLE MINTO CONCRETE RECYCLERS SITE EARTHWORKS 7 MONTORE ROAD, MINTO NSW 2566 LOT 52 DP 618900								
PRINTED								Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: www.martens.com.au												
A1 / A3 LANDSCAPE (A1L_C_v02.0.01)																				



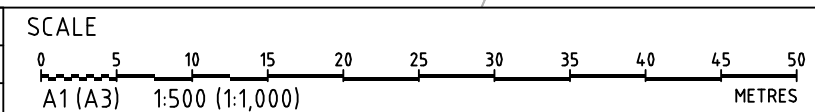
KEY:

UNCRUNSHED MATERIAL

CRUSHED MATERIAL STOCKPILE

SAND/SANDSTONE/PUGMILLED MATERIAL STOCKPILE

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
H	MINOR AMENDMENTS	02/03/2020	LL	JCF	TH	TH
G	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	JCF	TH	TH
F	AMENDMENTS AS PER CLIENT COMMENTS	20/09/2018	PB/JCF/LZ	JCF	TH	TH
E	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	JCF		
D	CLIENT REQUESTED AMENDMENTS	03/08/2018	LZ	JCF	TH	TH
C	UPDATED AS PER CLIENT REQUEST	06/06/2018	RK/JCF	JCF	TH	TH
B	CLIENT REQUESTED AMENDMENTS	21/03/2018	KW/JCF	JCF	TH	TH
A	CLIENT REQUESTED AMENDMENTS	09/03/2018	KW	JCF	TH	TH



GRID	DATUM	PROJECT MANAGER	CLIENT
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PROJECT NAME/PLANSET TITLE
MINTO CONCRETE RECYCLERS
SITE EARTHWORKS
7 MONTORE ROAD, MINTO NSW 2566
LOT 52 DP 618900

Consulting Engineers

Environment
Water
Geotechnical
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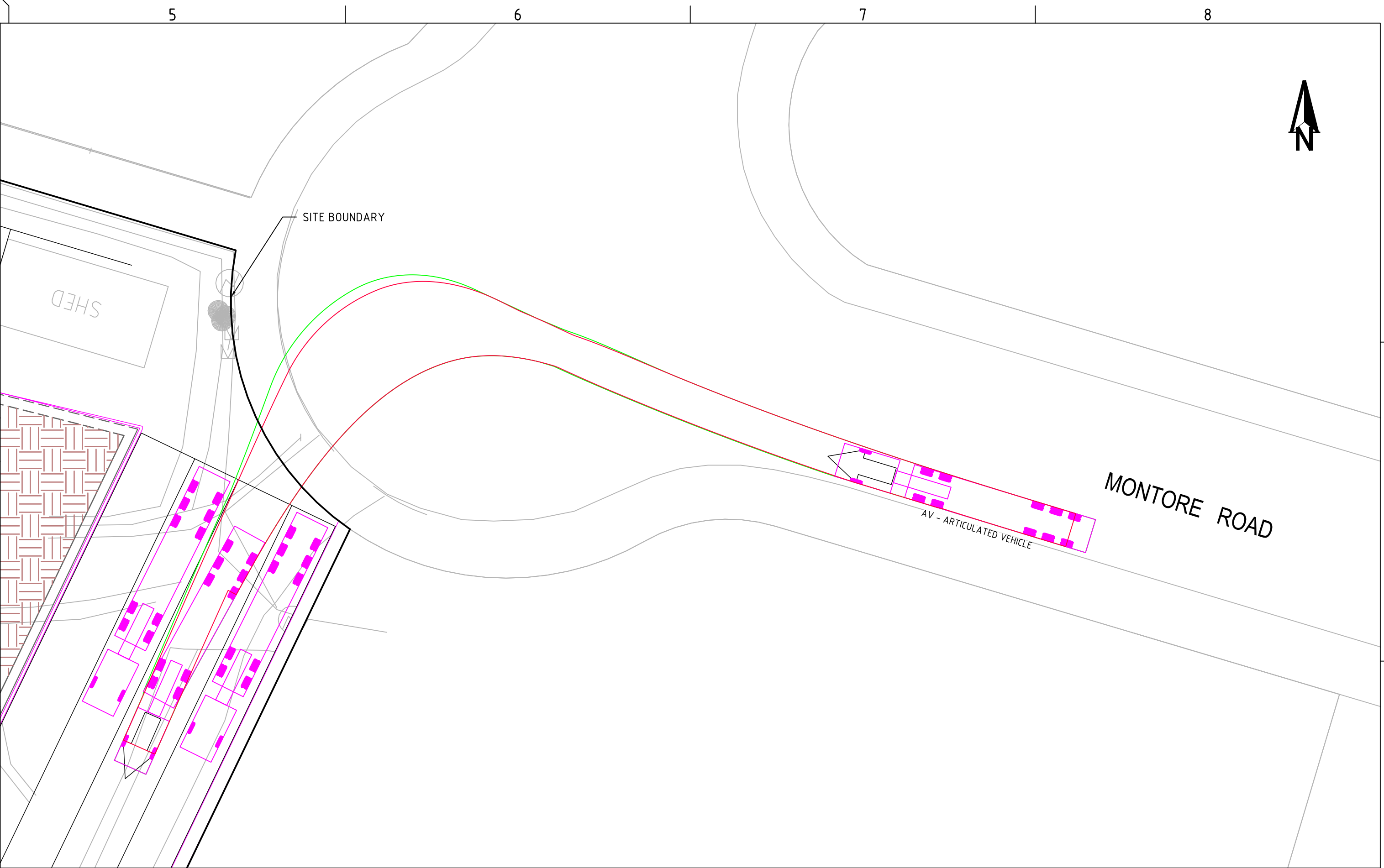
Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767
Email: mail@martens.com.au Internet: www.martens.com.au

DRAWING TITLE				
SWEPT PATH ANALYSIS - SHEET 2 TURNING MANOEUVRE ON SITE				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1203464	PS02	R15	PS02-DZ02	H

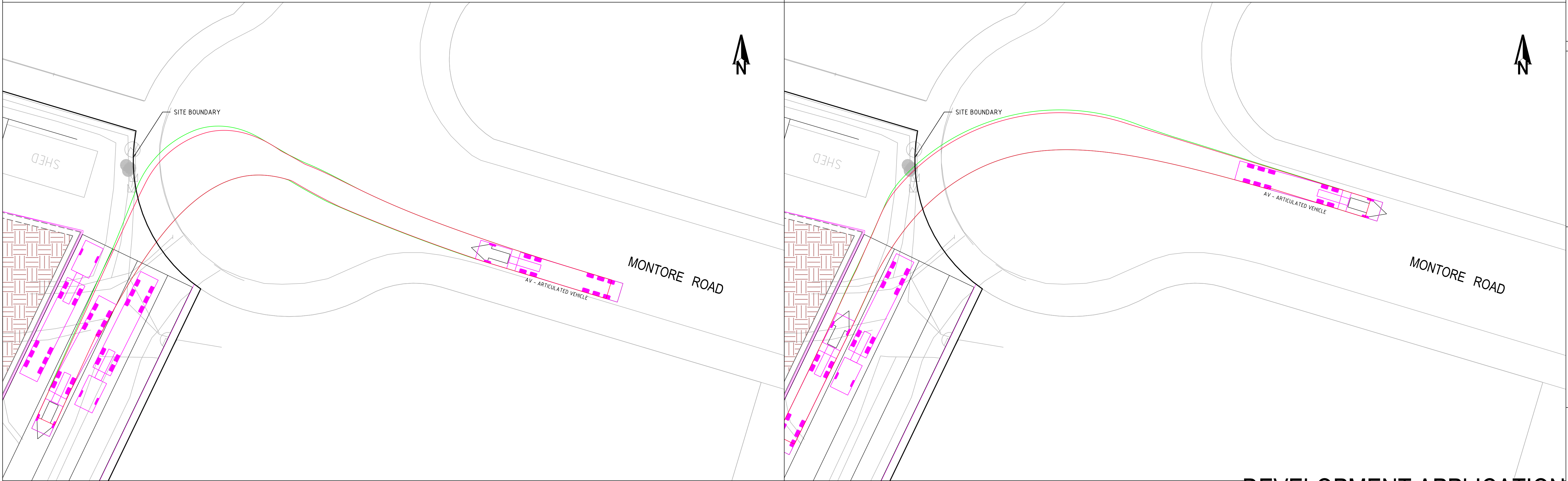
DEVELOPMENT APPLICATION



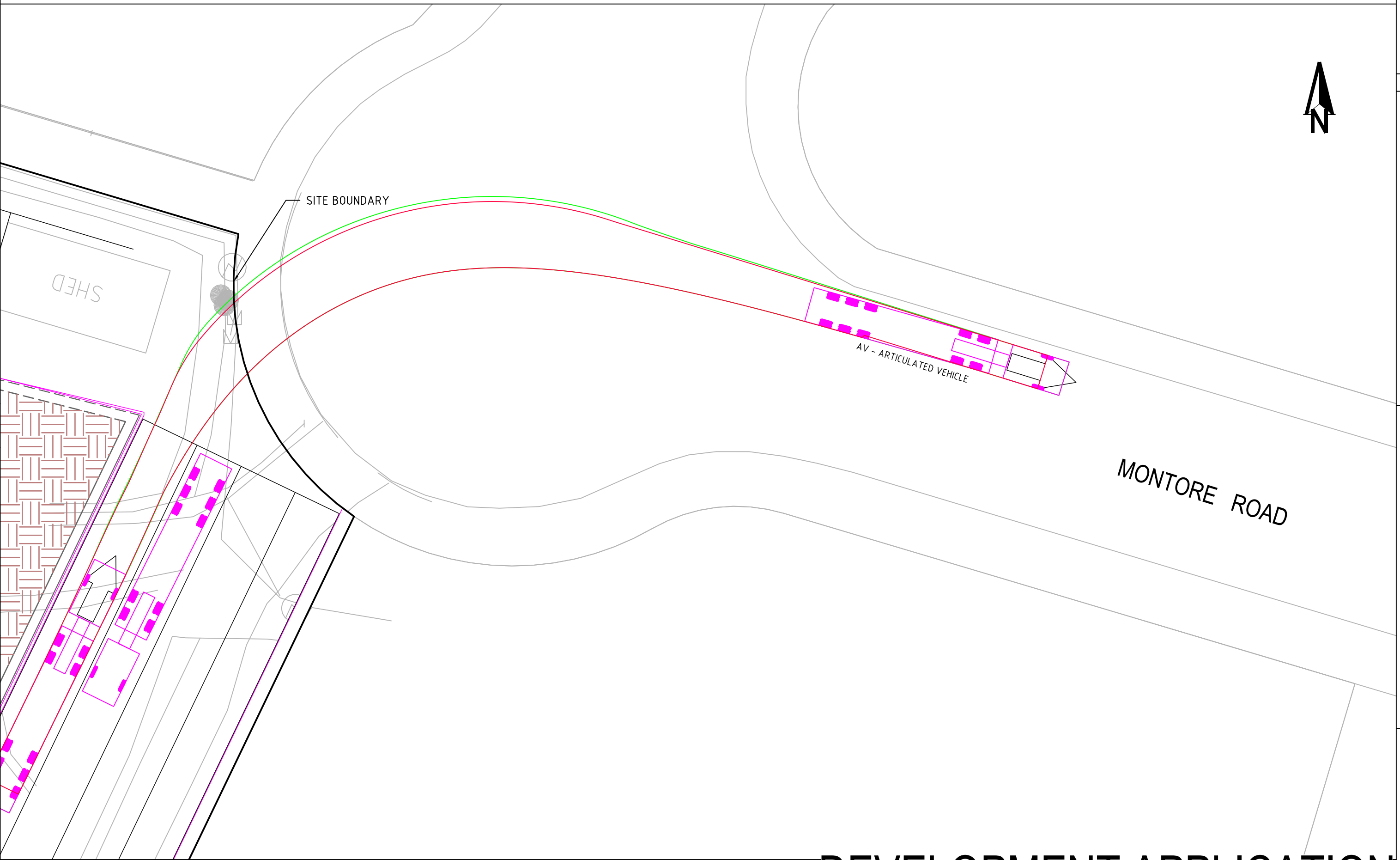
ENTERING SITE, LEFT LANE



ENTERING SITE, MIDDLE LANE



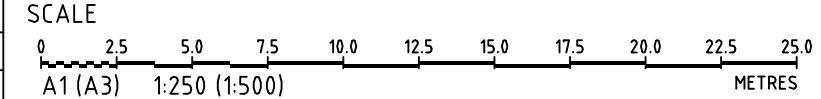
ENTERING SITE, RIGHT LANE



EXITING SITE

DEVELOPMENT APPLICATION

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
E	MINOR AMENDMENTS	02/03/2020	LL	JCF	TH	TH
D	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	JCF	TH	TH
C	CLIENT REQUESTED AMENDMENTS	03/08/2018	LZ	JCF	TH	TH
B	CLIENT REQUESTED AMENDMENTS	21/03/2018	KW/JCF	JCF	TH	
A	CLIENT REQUESTED AMENDMENTS	09/03/2018	KW	JCF	TH	



GRID	DATUM	PROJECT MANAGER
MGA	m AHD	TH
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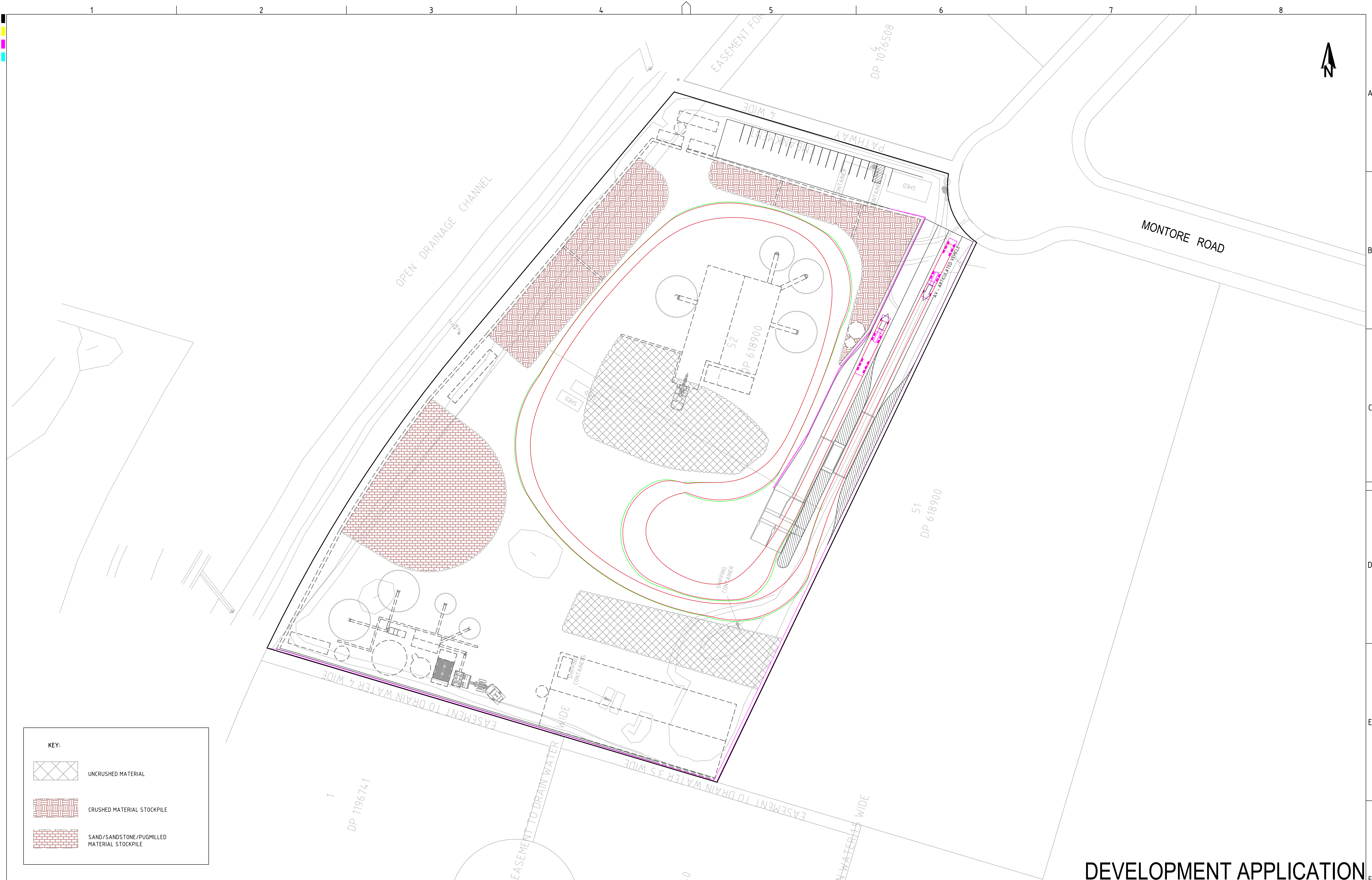
CLIENT
CONCRETE RECYCLERS (GROUP) PTY LTD
PROJECT NAME/PLANSET TITLE
MINTO CONCRETE RECYCLERS SITE EARTHWORKS
7 MONTORE ROAD, MINTO NSW 2566 LOT 52 DP 618900

Consulting Engineers
Environment
Water
Geotechnical
Civil

Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767
Email: mail@martens.com.au Internet: www.martens.com.au

DRAWING TITLE				
SWEEP PATH ANALYSIS - SHEET 3 ENTRANCE AND EXIT MANOEUVRES				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1203464	PS02	R15	PS02-DZ03	E

PRINTED - SEE BACKSHEET




KEY:

UNCRUNSHED MATERIAL

CRUSHED MATERIAL STOCKPILE

SAND/SANDSTONE/PUGMILLED MATERIAL STOCKPILE

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE	GRID	DATUM	PROJECT MANAGER	CLIENT	martens & Associates Pty Ltd				Consulting Engineers				DRAWING TITLE				
E	MINOR AMENDMENTS	02/03/2020	LL	JCF	TH	TH	0 5 10 15 20 25 30 35 40 45 50 A1 (A3) 1:500 (1:1,000) METRES	MGA	m AHD	TH	CONCRETE RECYCLERS (GROUP) PTY LTD	 Environment Water Geotechnical Civil				SWEPTH PATH ANALYSIS – SHEET 4 TURNING MANEOUVRE ON SITE								
D	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	JCF	TH	TH																		
C	AMENDMENTS AS PER CLIENT COMMENTS	20/09/2018	PB/JCF/LZ	JCF	TH																			
B	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	JCF																				
A	CLIENT REQUESTED AMENDMENTS	03/08/2018	LZ	JCF	TH	TH																		
							DISCLAIMER & COPYRIGHT This plan must not be used for construction unless signed as approved by principal certifying authority. All measurements in millimetres unless otherwise specified. This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd. (C) Copyright Martens & Associates Pty Ltd				PROJECT NAME/PLANSET TITLE MINTO CONCRETE RECYCLERS SITE EARTHWORKS 7 MONTORE ROAD, MINTO NSW 2566 LOT 52 DP 618900 Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: www.martens.com.au				DRAWING ID: P1203464-PS02-R15-DZ04									
															PROJECT NO. PS02				RELEASE NO. R15		DRAWING NO. PS02-DZ04		REVISION E	
															P1203464									

REV

DESCRIPTION

DATE

DRAWN

DESIGNED

CHECKED

APPRVD

SCALE

GRID

DATUM

PROJECT MANAGER

CLIENT

martens & Associates Pty Ltd

Consulting Engineers

DRAWING TITLE

E

MINOR AMENDMENTS

02/03/2020

LL

JCF

TH

TH


0 5 10 15 20 25 30 35 40 45 50
A1 (A3) 1:500 (1:1,000) METRES

MGA

m AHD

TH

CONCRETE RECYCLERS (GROUP) PTY LTD


Environment
Water
Geotechnical
Civil

SWEPTH PATH ANALYSIS – SHEET 4
TURNING MANEOUVRE ON SITE

D

MINOR AMENDMENTS

28/09/2018

JCF/LZ/PB

JCF

TH

TH

C

AMENDMENTS AS PER CLIENT COMMENTS

20/09/2018

PB/JCF/LZ

JCF

TH

B

CLIENT REQUESTED AMENDMENTS

12/09/2018

JCF/LZ

JCF

A

CLIENT REQUESTED AMENDMENTS

03/08/2018

LZ

JCF

TH

TH

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MINTO CONCRETE RECYCLERS
SITE EARTHWORKS
7 MONTORE ROAD, MINTO NSW 2566
LOT 52 DP 618900
Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767
Email: mail@martens.com.au Internet: www.martens.com.au

DRAWING ID: P1203464-PS02-R15-DZ04

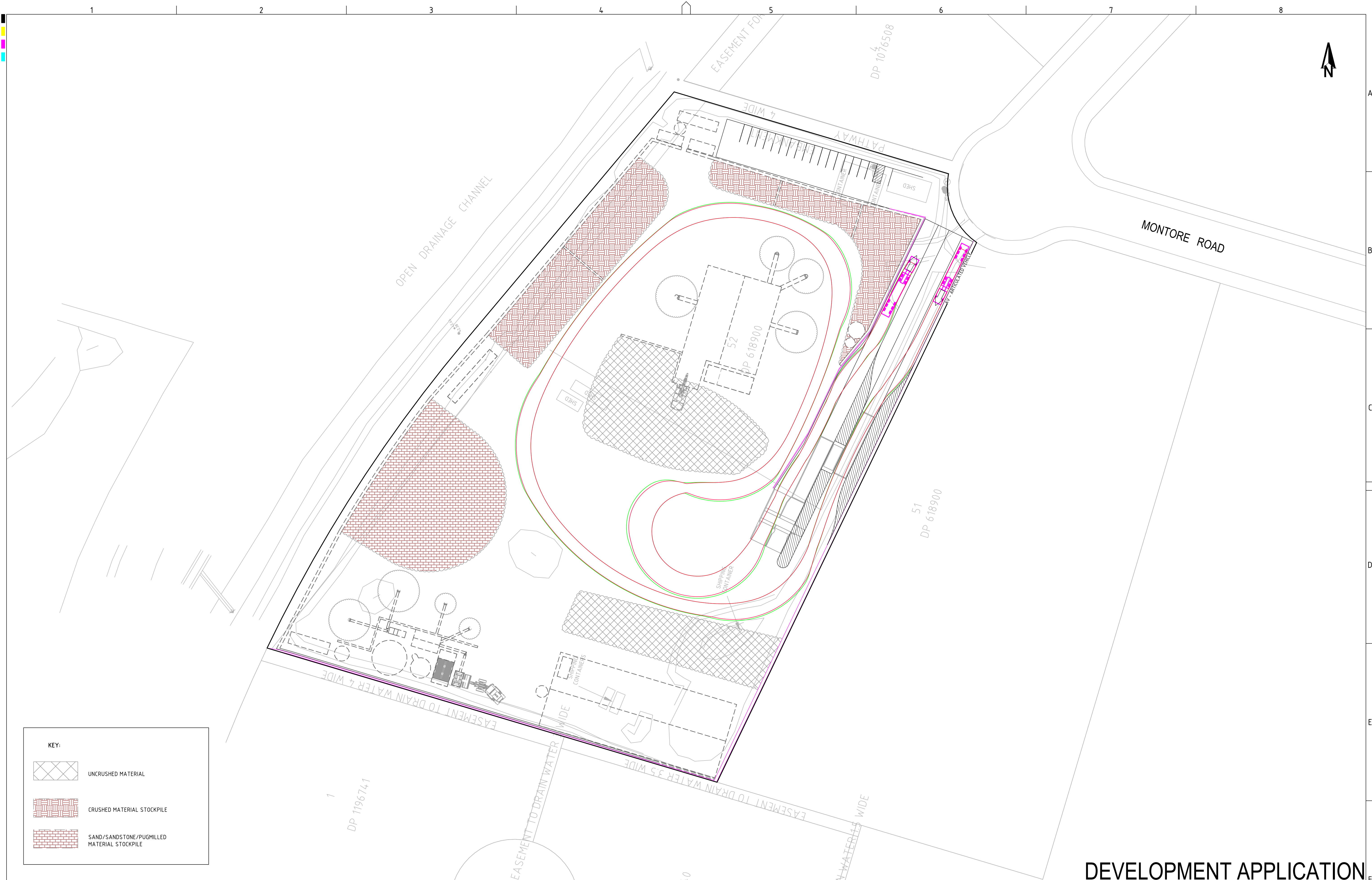
PROJECT NO. PS02

RELEASE NO. R15

DRAWING NO. PS02-DZ04

REVISION E

P1203464

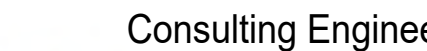


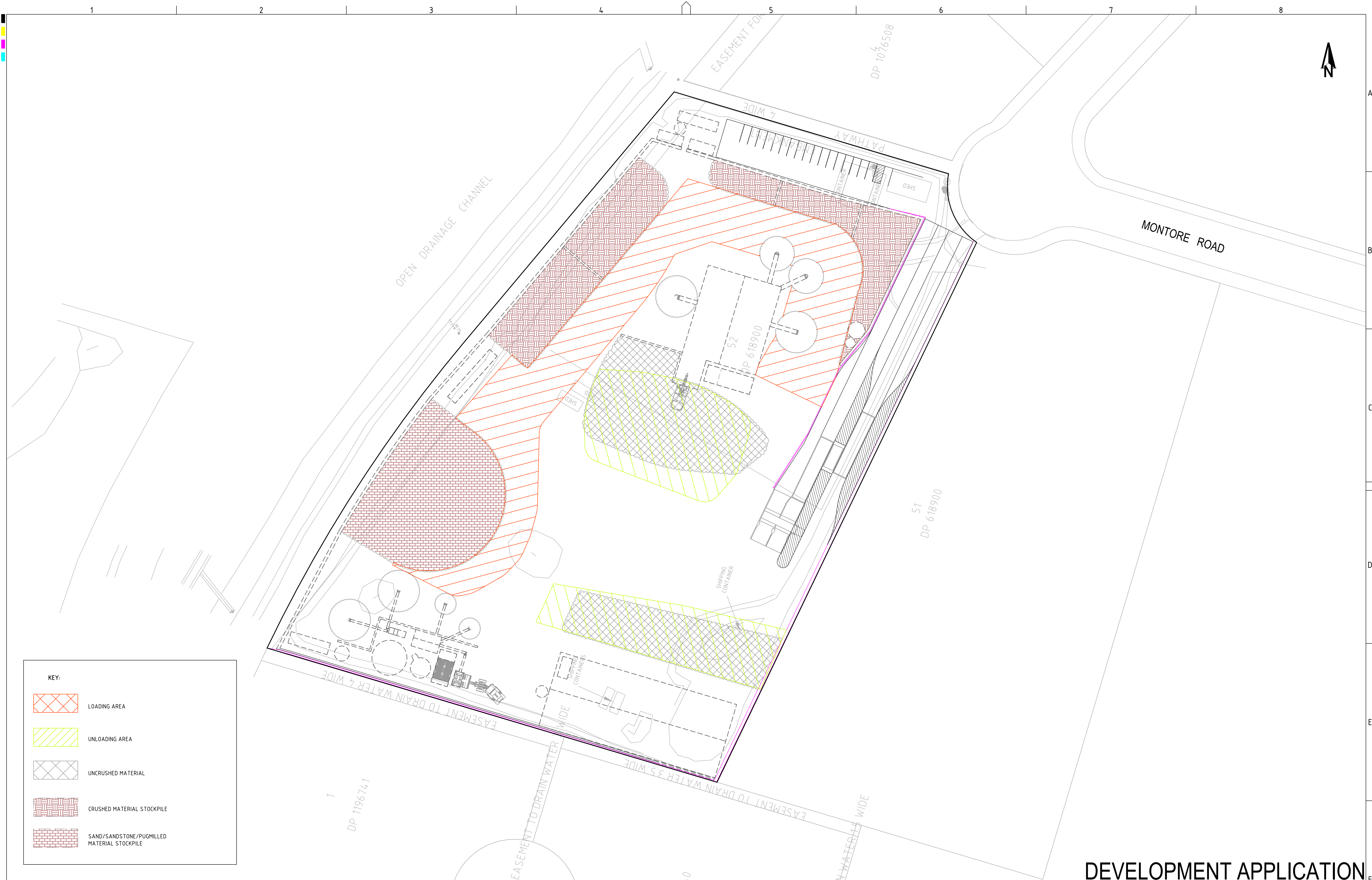
KEY:

UNCRUSHED MATERIAL

CRUSHED MATERIAL STOCKPILE

SAND/SANDSTONE/PUGMILLED MATERIAL STOCKPILE

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE	GRID	DATUM	PROJECT MANAGER	CLIENT	<div>Consulting Engineers Environment Water Geotechnical Civil</div> <div>PROJECT NO. P1203464 PLANSET NO. PS02 RELEASE NO. R15 DRAWING NO. PS02-DZ05 REVISION E</div>			
E	MINOR AMENDMENTS	02/03/2020	LL	JCF	TH	TH	<div>0 5 10 15 20 25 30 35 40 45 50 A1 (A3) 1:500 (1:1,000) METRES</div>	MGA	m AHD	TH	CONCRETE RECYCLERS (GROUP) PTY LTD				
D	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	JCF	TH	TH									
C	AMENDMENTS AS PER CLIENT COMMENTS	20/09/2018	PB/JCF/LZ	JCF	TH										
B	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	JCF											
A	CLIENT REQUESTED AMENDMENTS	03/08/2018	LZ	JCF	TH	TH									
								DISCLAIMER & COPYRIGHT This plan must not be used for construction unless signed as approved by principal certifying authority. All measurements in millimetres unless otherwise specified. This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd. (C) Copyright Martens & Associates Pty Ltd				PROJECT NAME/PLANSET TITLE MINTO CONCRETE RECYCLERS SITE EARTHWORKS 7 MONTROE ROAD, MINTO NSW 2566 LOT 52 DP 618900 Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: www.martens.com.au			



KEY:

LOADING AREA

UNLOADING AREA

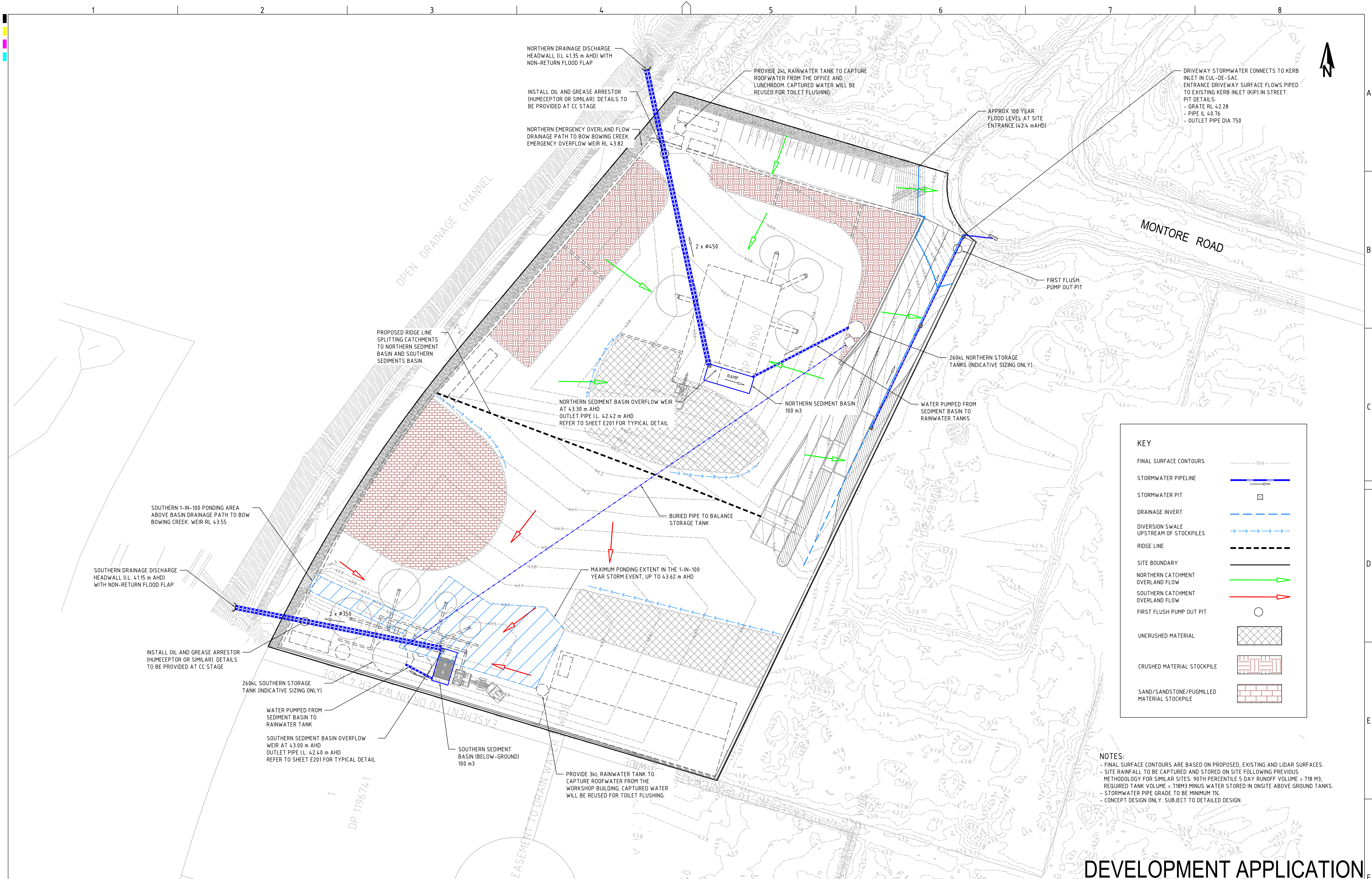
UNCRUNSHED MATERIAL

CRUSHED MATERIAL STOCKPILE

SAND/SANDSTONE/PUGMILLED MATERIAL STOCKPILE

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE 0 5 10 15 20 25 30 35 40 45 50 A1 (A3) 1:500 (1:1,000) METRES	GRID MGA DATUM m AHD PROJECT MANAGER TH	CLIENT CONCRETE RECYCLERS (GROUP) PTY LTD PROJECT NAME/PLANSET TITLE MINTO CONCRETE RECYCLERS SITE EARTHWORKS 7 MONTORE ROAD, MINTO NSW 2566 LOT 52 DP 618900	 Consulting Engineers Environment Water Geotechnical Civil Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: www.martens.com.au	DRAWING TITLE SITE LOADING & UNLOADING PLAN				
E	MINOR AMENDMENTS	02/03/2020	LL	JCF	TH	TH					PROJECT NO. P1203464	PLANSET NO. PS02	RELEASE NO. R15	DRAWING NO. PS02-DZ10	REVISION E
D	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	JCF	TH	TH									
C	AMENDMENTS AS PER CLIENT COMMENTS	20/09/2018	PB/JCF/LZ	JCF	TH										
B	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	JCF											
A	CLIENT REQUESTED AMENDMENTS	03/08/2018	LZ	JCF	TH	TH									

PRINTED: 11/03/2024 11:00:00 AM
A1 / A3 LANDSCAPE (A1L_C_02.0.01)



KEY

FINAL SURFACE CONTOURS

STORMWATER PIPELINE

STORMWATER PIT

DRAINAGE INVERT

DIVERSION SWALE
UPSTREAM OF STOCKPILES

RIDGE LINE

SITE BOUNDARY

NORTHERN CATCHMENT
OVERLAND FLOW

SOUTHERN CATCHMENT
OVERLAND FLOW

FIRST FLUSH PUMP OUT PIT

UNCRUSHED MATERIAL

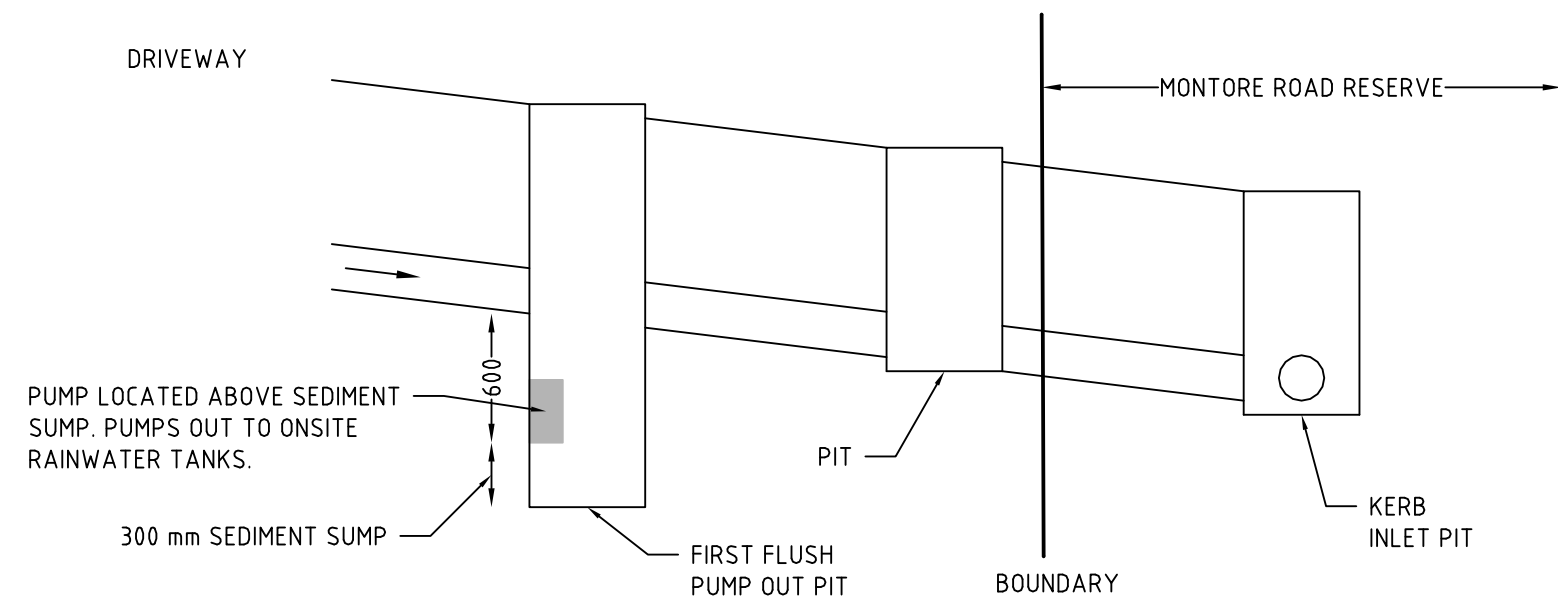
CRUSHED MATERIAL STOCKPILE

SAND/SANDSTONE/PUGMILLED
MATERIAL STOCKPILE

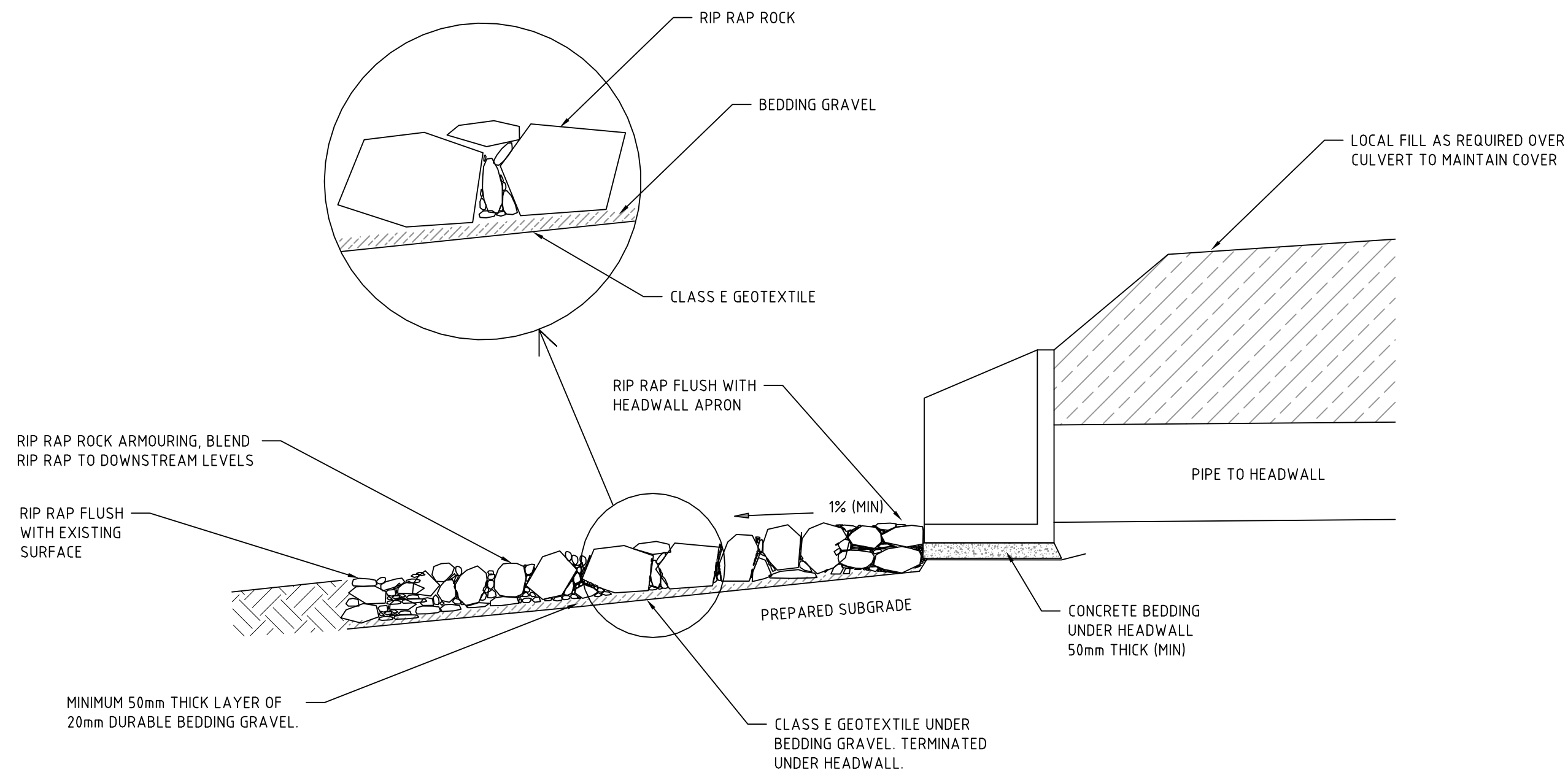
NOTES:

- FINAL SURFACE CONTOURS ARE BASED ON PROPOSED, EXISTING AND LIDAR SURFACES.
- SITE RAINFALL TO BE CAPTURED AND STORED ON SITE FOLLOWING PREVIOUS METHODOLOGY FOR SIMILAR SITES: 90TH PERCENTILE 5 DAY RUNOFF VOLUME = 718 M3; REQUIRED TANK VOLUME = 718M3 MINUS WATER STORED IN ONSITE ABOVE GROUND TANKS.
- STORMWATER PIPE GRADE TO BE MINIMUM 1%.
- CONCEPT DESIGN ONLY. SUBJECT TO DETAILED DESIGN.

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE	GRID	DATUM	PROJECT MANAGER	CLIENT	martens & Associates Pty Ltd		Consulting Engineers		DRAWING TITLE	
K	MINOR AMENDMENTS	16/06/20	GM/JJS	SS	SL	TH	SCALE	MGA	MAHD	TH	CONCRETE RECYCLERS (GROUP) PTY LTD	Environment		Water		DRAINAGE PLAN	
J	MINOR AMENDMENTS	02/03/2020	LL	EZ	TH	TH	0 5 10 15 20 25 30 35 40 45 50				CLIENT NAME/PLANSET TITLE	Geotechnical		Civil			
I	MINOR AMENDMENTS	12/10/2018	RK	EZ	TH	TH	A1 (A3) 1:500 (1:1,000)				MINTO CONCRETE RECYCLERS	Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767		PROJECT NO.		PLANSET NO.	
H	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PBG/EZ/JCF	TH	TH	TH					SITE EARTHWORKS	Email: mail@martens.com.au Internet: www.martens.com.au		RELEASE NO.		DRAWING NO.	
G	AMENDMENTS AS PER CLIENT COMMENTS	20/09/2018	PB/JCF/LZ	JCF	TH	TH					7 MONTORE ROAD, MINTO NSW 2566			R15		PS02-E100	
F	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	EZ/JCF							LOT 52 DP 618900					REVISION	
E	CLIENT REQUESTED AMENDMENTS	03/08/2018	PB	JCF	TH	TH										K	
D	UPDATED AS PER CLIENT REQUEST	06/06/2018	RK/JCF	JCF	TH	TH											



DETAIL: DRIVEWAY FIRST FLUSH PUMP



DETAIL: HEAD WALL OUTLET AND RIP RAP SECTION

NOT TO SCALE

NOTES:
- CONCEPT DESIGN ONLY. SUBJECT TO DETAILED DESIGN.

DEVELOPMENT APPLICATION

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
D	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	EZ/JCF	TH	TH
C	AMENDMENTS AS PER CLIENT COMMENTS	20/09/2018	PB/JCF/LZ	JCF	TH	
B	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	EZ/JCF		
A	CLIENT REQUESTED AMENDMENTS	03/08/2018	LZ	JCF	TH	TH

SCALE

GRID	DATUM	PROJECT MANAGER
		TH
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CONCRETE RECYCLERS (GROUP) PTY LTD
PROJECT NAME/PLANSET TITLE
MINTO CONCRETE RECYCLERS SITE EARTHWORKS 7 MONTORE ROAD, MINTO NSW 2566 LOT 52 DP 618900

 Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: www.martens.com.au	Consulting Engineers		
	Environment	Water	Geotechnical Civil

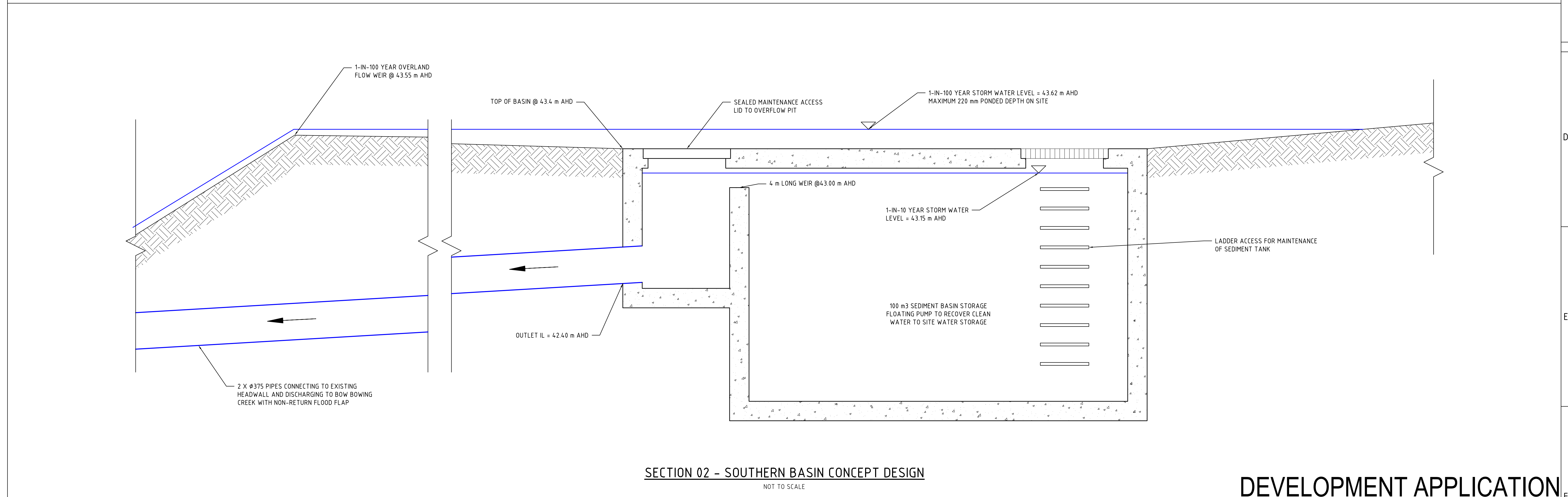
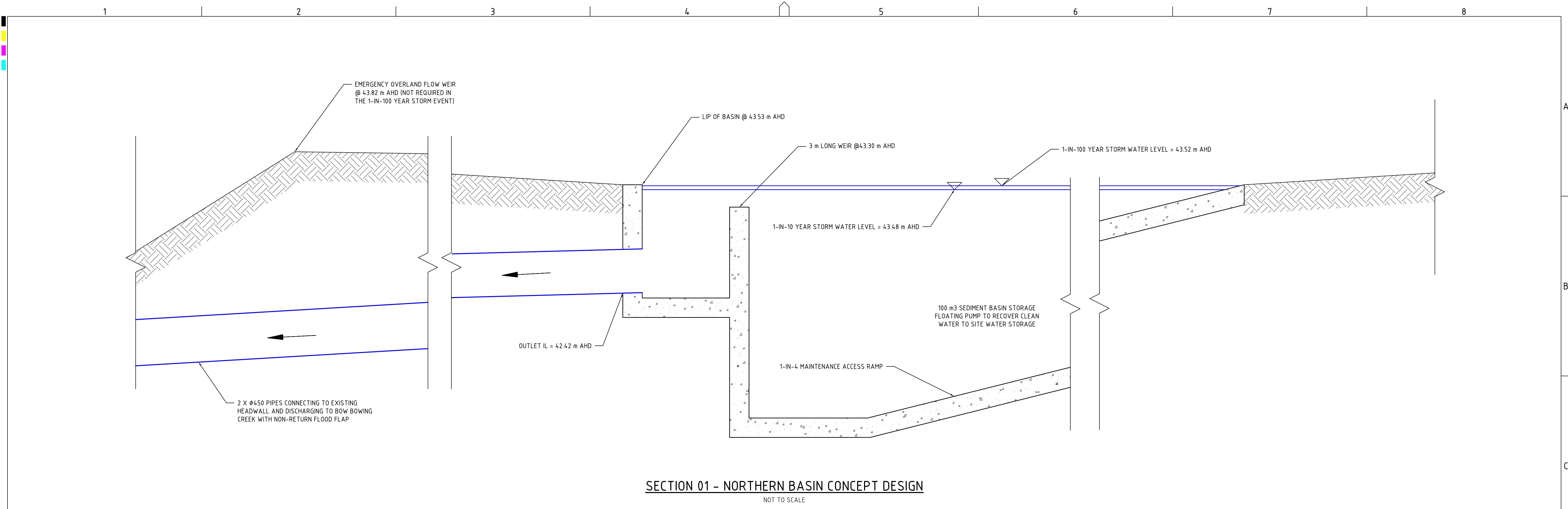
DRAWING TITLE				
DRAINAGE DETAILS				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1203464	PS02	R15	PS02-E200	D

DRAWING ID: P1203464-PS02-R15-E200

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100

PRINTED: 11/10/2018 11:00:00 AM USER: R15/PS02/E200

A1 / A3 LANDSCAPE (A1L_C_v02.0.01)



REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
A	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PBG/EZ/JCF	TH	TH	TH

SCALE
0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0
A1 (A3) 1:20 (1:40) METRES

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PROJECT NAME/PLANSET TITLE
MINTO CONCRETE RECYCLERS
SITE EARTHWORKS
7 MONTORE ROAD, MINTO NSW 2566
LOT 52 DP 618900

CLIENT
CONCRETE RECYCLERS (GROUP) PTY LTD

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DRAWING TITLE				
SEDIMENT BASIN CROSS SECTIONS				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1203464	PS02	R15	PS02-E201	A

DRAWING ID: P1203464-PS02-R15-E201

DEVELOPMENT APPLICATION



REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
A	MINOR AMENDMENTS	12/10/2018	RK	EZ	TH	TH

SCALE
A1 (A3) 1:1,000 (1:2,000)
0 10 20 30 40 50 60 70 80 90 100 METRES

GRID	DATUM	PROJECT MANAGER	CLIENT
MGA	mAHD	TH	CONCRETE RECYCLERS (GROUP) PTY LTD

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PROJECT NAME/PLANSET TITLE
MINTO CONCRETE RECYCLERS SITE EARTHWORKS
7 MONTORE ROAD, MINTO NSW 2566 LOT 52 DP 618900

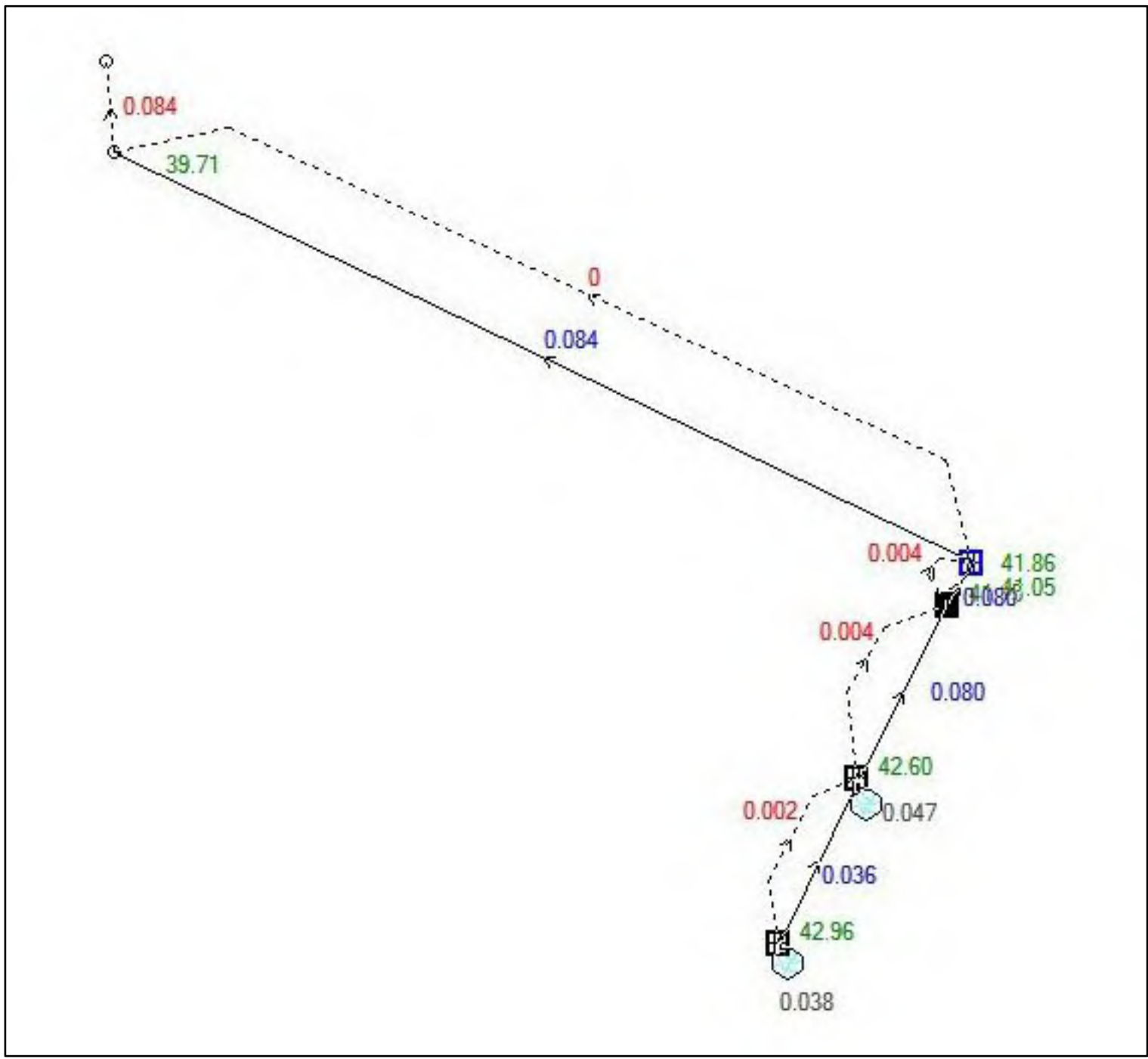
martens
& Associates Pty Ltd

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Civil

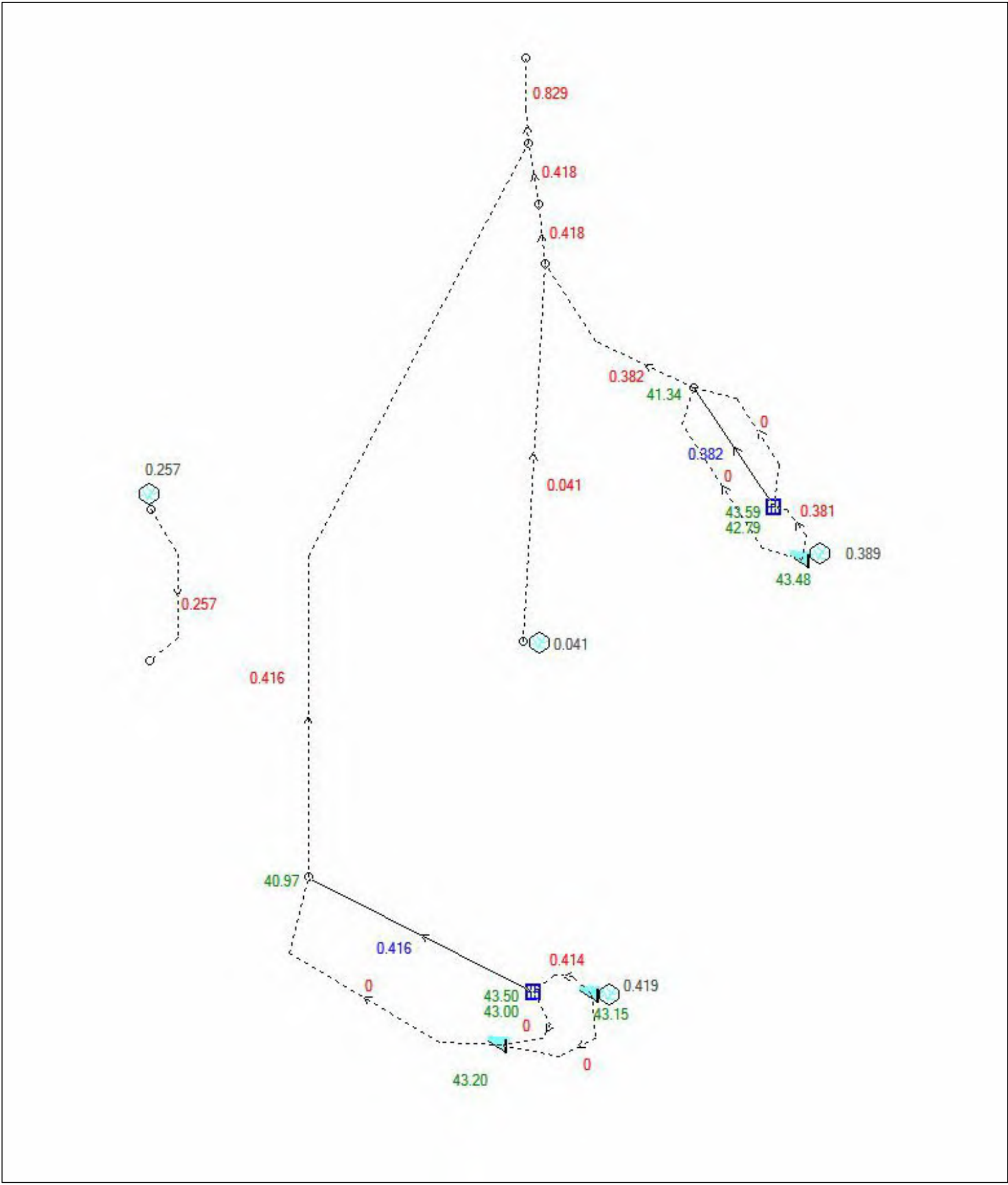
Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767
Email: mail@martens.com.au Internet: www.martens.com.au

DRAWING TITLE				
DRAINS CATCHMENT PLANS				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1203464	PS02	R15	PS02-E410	A

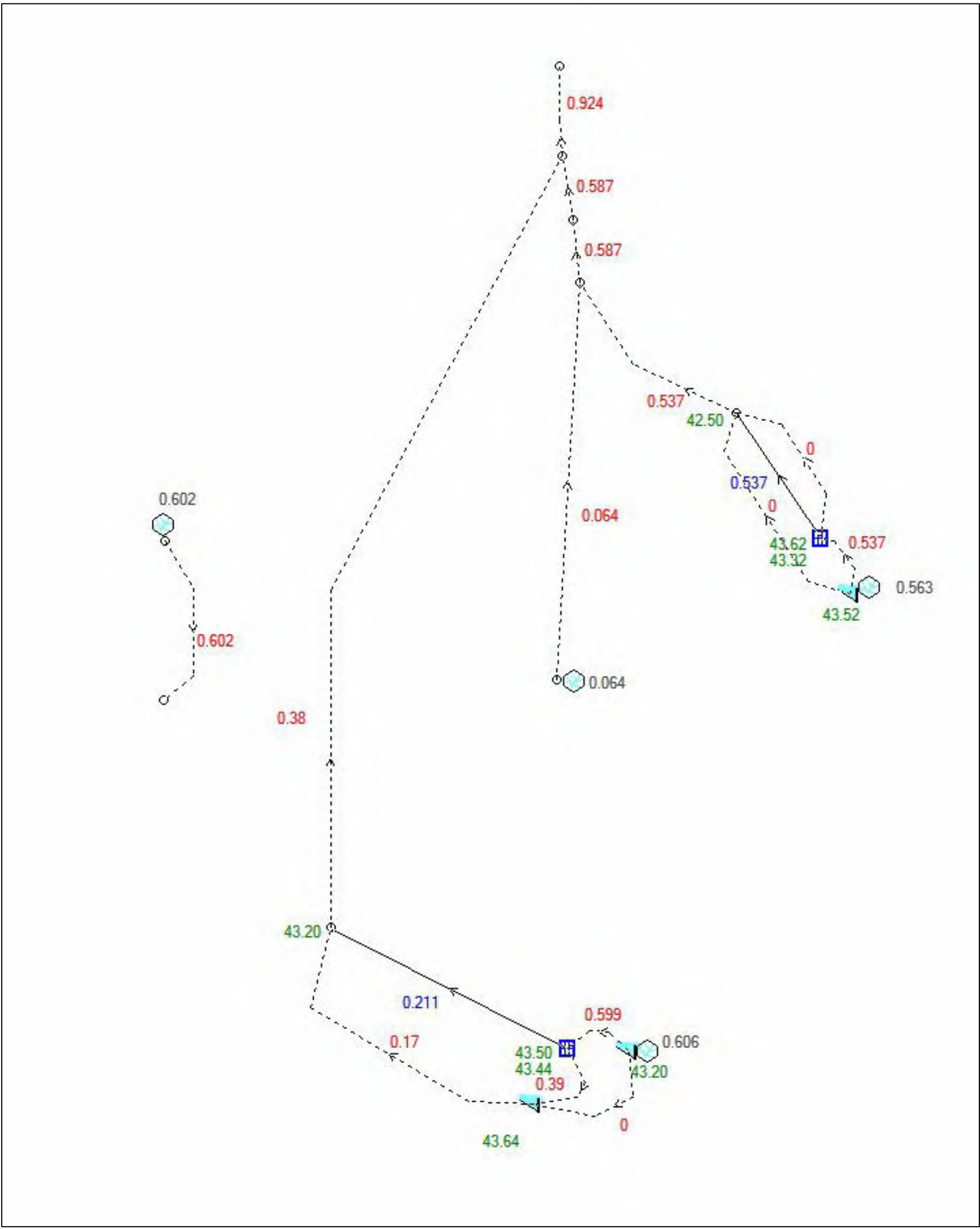
DRAWING ID: P1203464-PS02-R15-E410



DRIVEWAY DRAINAGE 1-IN-10 YEAR ARI



SEDIMENT BASINS 1-IN-10 YEAR ARI



SEDIMENT BASINS 1-IN-100 YEAR ARI

DEVELOPMENT APPLICATION

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE
D	MINOR AMENDMENTS	15/11/2019	JCF/LZ/PB	DG/EZ/JCF	TH	TH	
C	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	DG/EZ/JCF	TH	TH	
B	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	EZ/JCF			
A	UPDATE	09/08/2018	PB	EZ			

GRID	DATUM	PROJECT MANAGER	CLIENT
MGA	mAHD	TH	CONCRETE RECYCLERS (GROUP) PTY LTD
DISCLAIMER & COPYRIGHT			PROJECT NAME/PLANSET TITLE
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All measurements in millimetres unless otherwise specified.			SITE EARTHWORKS
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DRAWING TITLE				
DRAINS MODELLING RESULTS				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1203464	PS02	R15	PS02-E600	D



MUSIC CATCHMENT PLAN
SCALE: NOT TO SCALE

MUSIC CATCHMENTS (P12034641MUS01V01)					
KEY	DESCRIPTION	MUSIC NODE ID	AREA (ha)	IMPERVIOUS %	MUSIC NODE REFERENCE
	ROOF TO 2kL RWT	1AD01a	0.008	100	NSW MUSIC MODELLING GUIDELINES 2015
	ROOF BYPASS 2kL RWT	1AD01b	0.073	100	NSW MUSIC MODELLING GUIDELINES 2015
	SEALED ROAD TO SEDIMENT BASIN	1AD01c	0.887	100	NSW MUSIC MODELLING GUIDELINES 2015
	ROOF TO 3kL RWT	1AD02a	0.122	100	NSW MUSIC MODELLING GUIDELINES 2015
	ROOF BYPASS 3kL RWT	1AD02b	0.008	100	NSW MUSIC MODELLING GUIDELINES 2015
	SEALED ROAD TO SEDIMENT BASIN	1AD02c	0.913	100	NSW MUSIC MODELLING GUIDELINES 2015
CATCHMENT BYPASS SEDIMENT BASINS					
	ROOF	1AD03a	0.002	100	NSW MUSIC MODELLING GUIDELINES 2015
	SEALED ROAD	1AD03b	0.215	100	NSW MUSIC MODELLING GUIDELINES 2015
	BUFFER	1AD03c	0.118	0	NSW MUSIC MODELLING GUIDELINES 2015
TOTAL SITE					
		TOTAL - OVERALL		2.346	= 100 % OF OVERALL AREA
		TOTAL - IMPERVIOUS		2.228	= 95 % OF OVERALL AREA
		TOTAL - PERVIOUS		0.118	= 5 % OF OVERALL AREA
NOTES:					
1. INTERNAL REUSE FOR TOILET FLUSHING IS 20 KL/PERSON/DAY.					
2. INTERNAL REUSE FOR DUST SUPPRESSION AND SAND WASHING SYSTEM IS 81.65 KL/DAY FOR EACH SEDIMENTATION BASIN.					

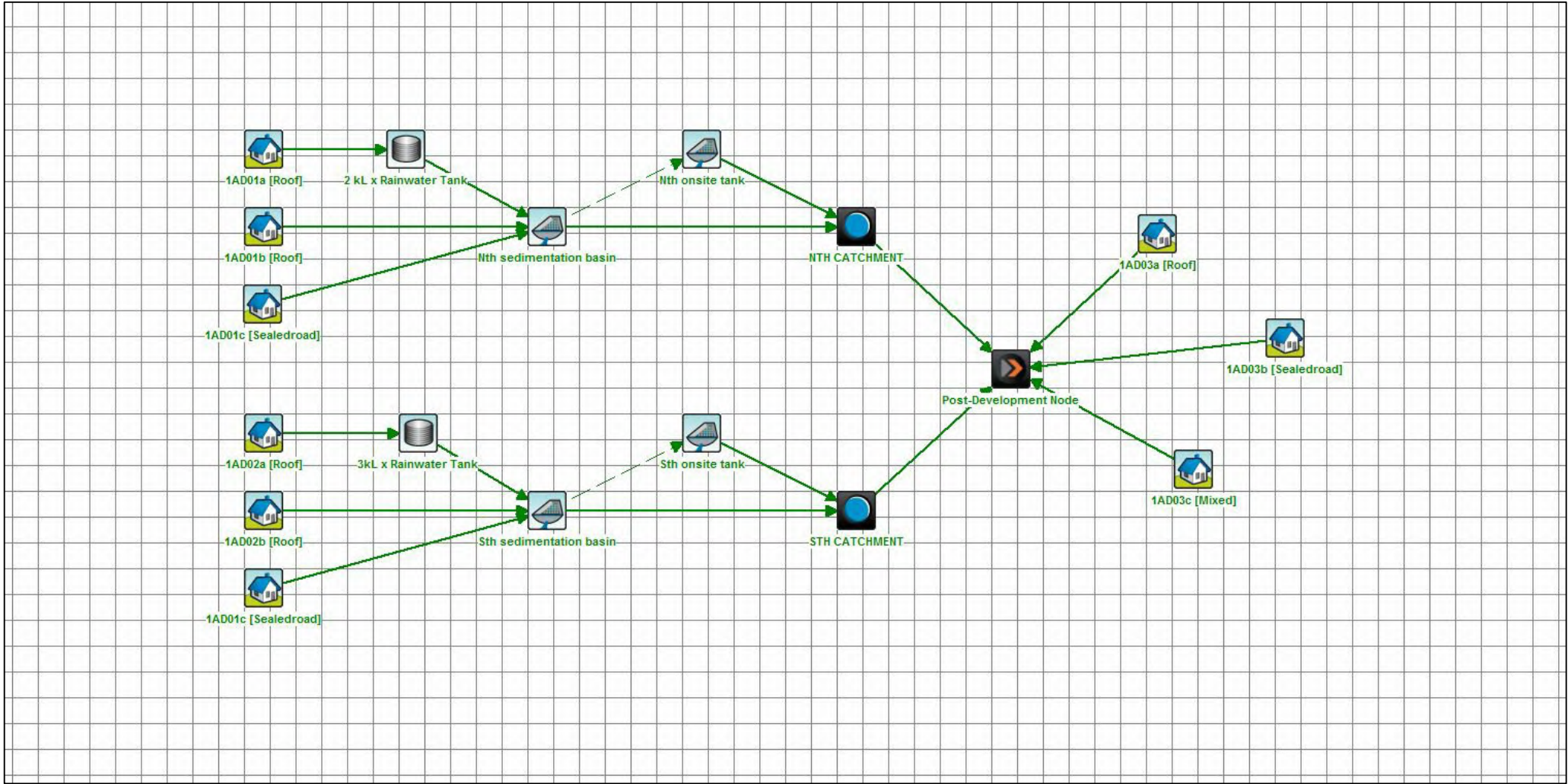
MUSIC MODELLING RESULTS (P1203464MUS01V01)				
MUSIC NODE	POST DEVELOPMENT NODE			
PARAMETER	SOURCES	RESIDUAL LOAD	% REDUCTION	% TARGET
Flow (ML/yr)	16.6	8.73	47.3	NONE
Total Suspended Solids (kg/yr)	5.25E+03	9.69E+02	81.5	80
Total Phosphorus (kg/yr)	8.91	2.31	74	45
Total Nitrogen (kg/yr)	39.4	17.5	55.5	45
Gross Pollutants (kg/yr)	427	40.9	90.4	90

Treatment Train Effectiveness - NTH CATCHMENT			
	Sources	Residual Load	% Reduction
Flow (ML/yr)	7.09	3.26	54.1
Total Suspended Solids (kg/yr)	2250	99.5	95.6
Total Phosphorus (kg/yr)	3.84	0.494	87.1
Total Nitrogen (kg/yr)	17.1	5.88	65.6
Gross Pollutants (kg/yr)	185	0	100
Warning - upstream treatment train includes losses			

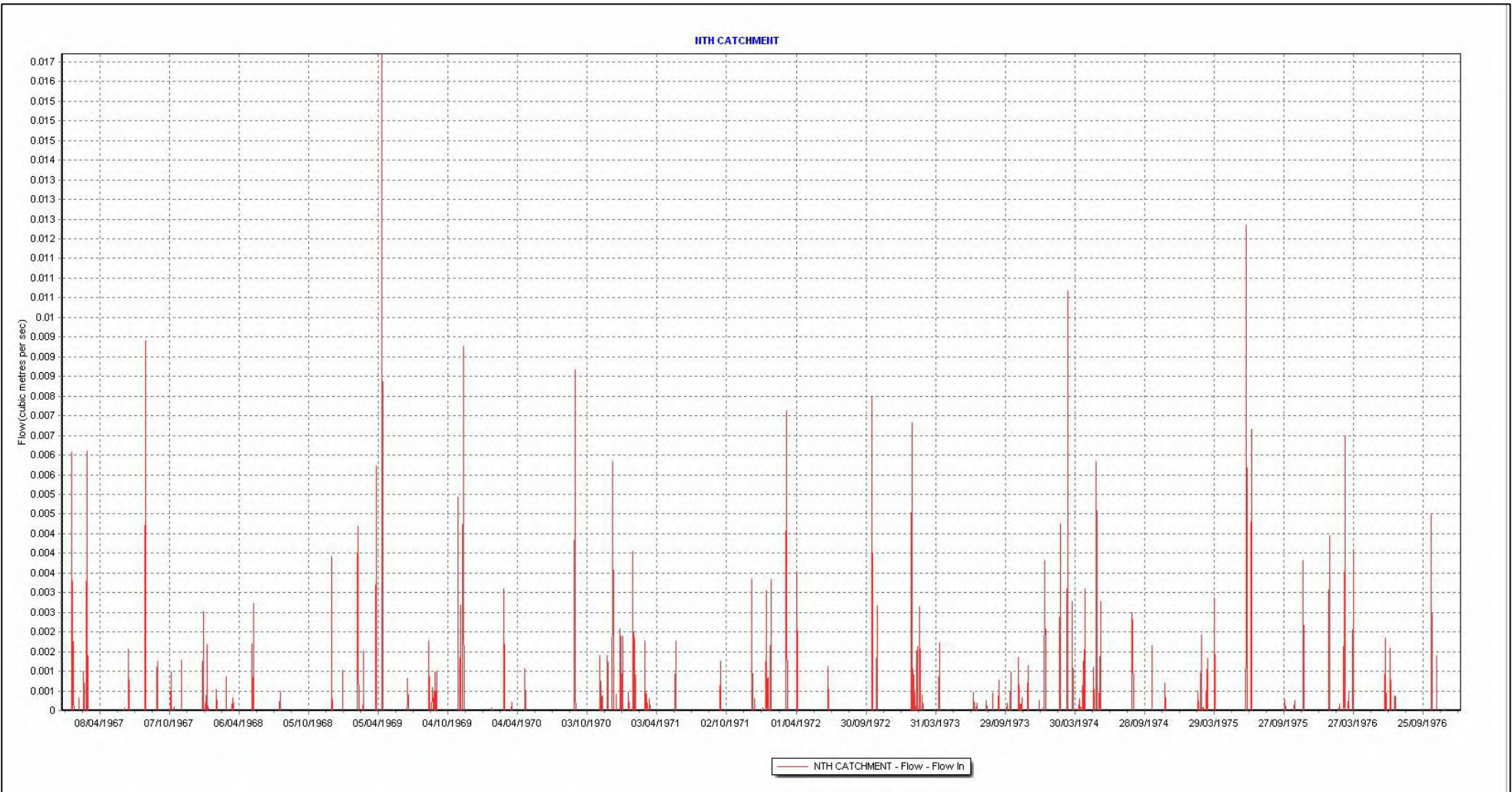
NORTHERN CATCHMENT RESULTS

Treatment Train Effectiveness - STH CATCHMENT			
	Sources	Residual Load	% Reduction
Flow (ML/yr)	7.68	3.67	52.2
Total Suspended Solids (kg/yr)	2330	258	88.9
Total Phosphorus (kg/yr)	4.09	0.807	80.3
Total Nitrogen (kg/yr)	18.2	7.51	58.7
Gross Pollutants (kg/yr)	201	0	100
Warning - upstream treatment train includes losses			

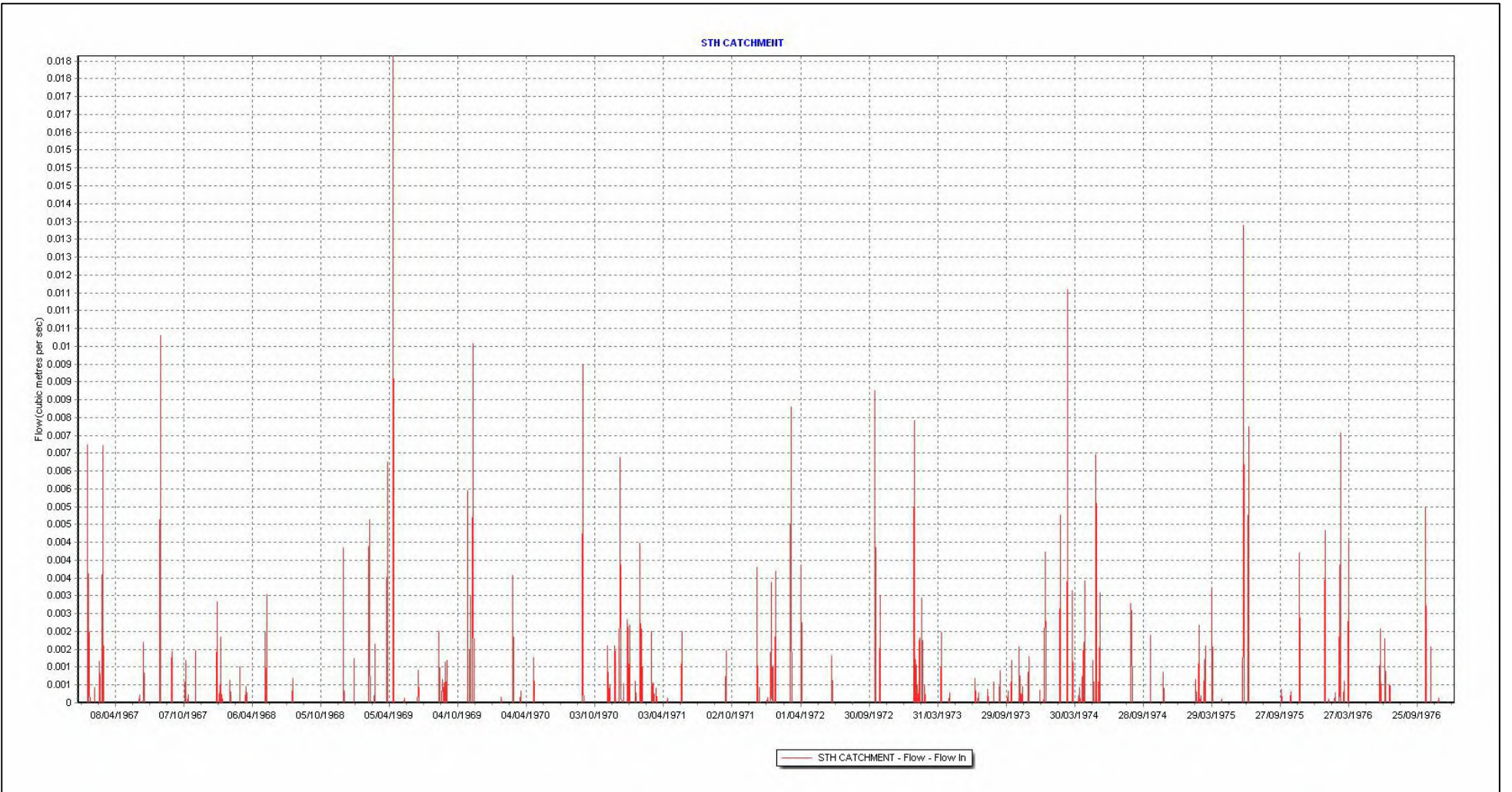
SOUTHERN CATCHMENT RESULTS



MUSIC LAYOUT





NORTHERN CATCHMENT OUTFLOW GRAPH

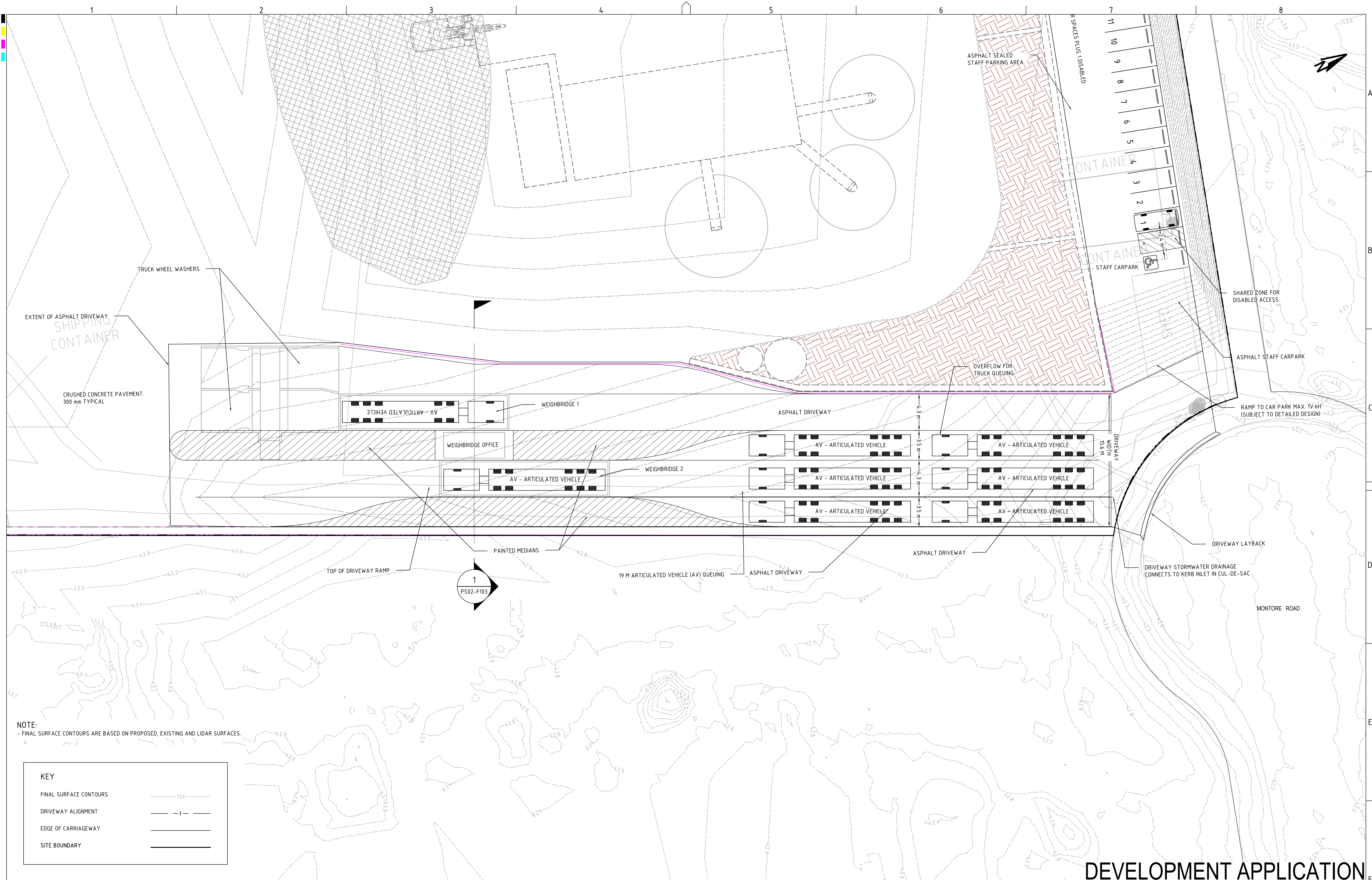


SOUTHERN CATCHMENT OUTFLOW GRAPH

NOTES:
1. WATER DISCHARGE FREQUENCY FROM NORTHERN CATCHMENT IS 6%. THE NUMBER OF DISCHARGE DAYS IS 206 OUT OF 3654 DAYS USED IN THE MODEL.
2. WATER DISCHARGE FREQUENCY FROM SOUTHERN CATCHMENT IS 6%. THE NUMBER OF DISCHARGE DAYS IS 216 OUT OF 3654 DAYS USED IN THE MODEL.

DEVELOPMENT APPLICATION

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE	GRID	DATUM	PROJECT MANAGER	CLIENT	 <div>Consulting Engineers Environment Water Geotechnical Civil</div>	DRAWING TITLE WATER QUALITY CATCHMENT PLAN										
B	MINOR AMENDMENTS	16/06/20	GM/JS	SS	SL	TH				TH	CONCRETE RECYCLERS (GROUP) PTY LTD												
A	INITIAL RELEASE	15/11/2019	LL	EZ	TH	TH									PROJECT NAME/PLANSET TITLE MINTO CONCRETE RECYCLERS SITE EARTHWORKS 7 MONTORE ROAD, MINTO NSW 2566 LOT 52 DP 618900								
															Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: www.martens.com.au								
							DISCLAIMER & COPYRIGHT This plan must not be used for construction unless signed as approved by principal certifying authority. All measurements in millimetres unless otherwise specified. This drawing must not be reproduced in whole or part without prior written consent of Martens & Associates Pty Ltd. (C) Copyright Martens & Associates Pty Ltd																
A1 / A3 LANDSCAPE (A3L_C_v02.0.01)														PROJECT NO. P1203464		PLANSET NO. PS02		RELEASE NO. R15		DRAWING NO. PS02-E700		REVISION B	
														DRAWING ID: P1203464-PS02-R15-E700									



NOTE:
- FINAL SURFACE CONTOURS ARE BASED ON PROPOSED, EXISTING AND LIDAR SURFACES.

KEY	
FINAL SURFACE CONTOURS	---
DRIVEWAY ALIGNMENT	---
EDGE OF CARRIAGEWAY	---
SITE BOUNDARY	---

REV

DESCRIPTION

DATE

DRAWN

DESIGNED

CHECKED

APPRVD

F

MINOR AMENDMENTS

28/09/2018

JCF/LZ/PB

JCF

TH

TH

E

CLIENT REQUESTED AMENDMENTS

12/09/2018

JCF/LZ

JCF

D

CLIENT REQUESTED AMENDMENTS

03/08/2018

LZ

JCF

TH

TH

C

UPDATED AS PER CLIENT REQUEST

06/06/2018

RK/JCF

JCF

TH

TH

B

CLIENT REQUESTED AMENDMENTS

21/03/2018

KW/JCF

JCF

TH

A

CLIENT REQUESTED AMENDMENTS

09/03/2018

KW

JCF

TH

SCALE

02468101214161820

A1 (A3) 1:200 (1:400)

METRES

GRID

MGA

DATUM

m AHD

PROJECT MANAGER

TH

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CLIENT

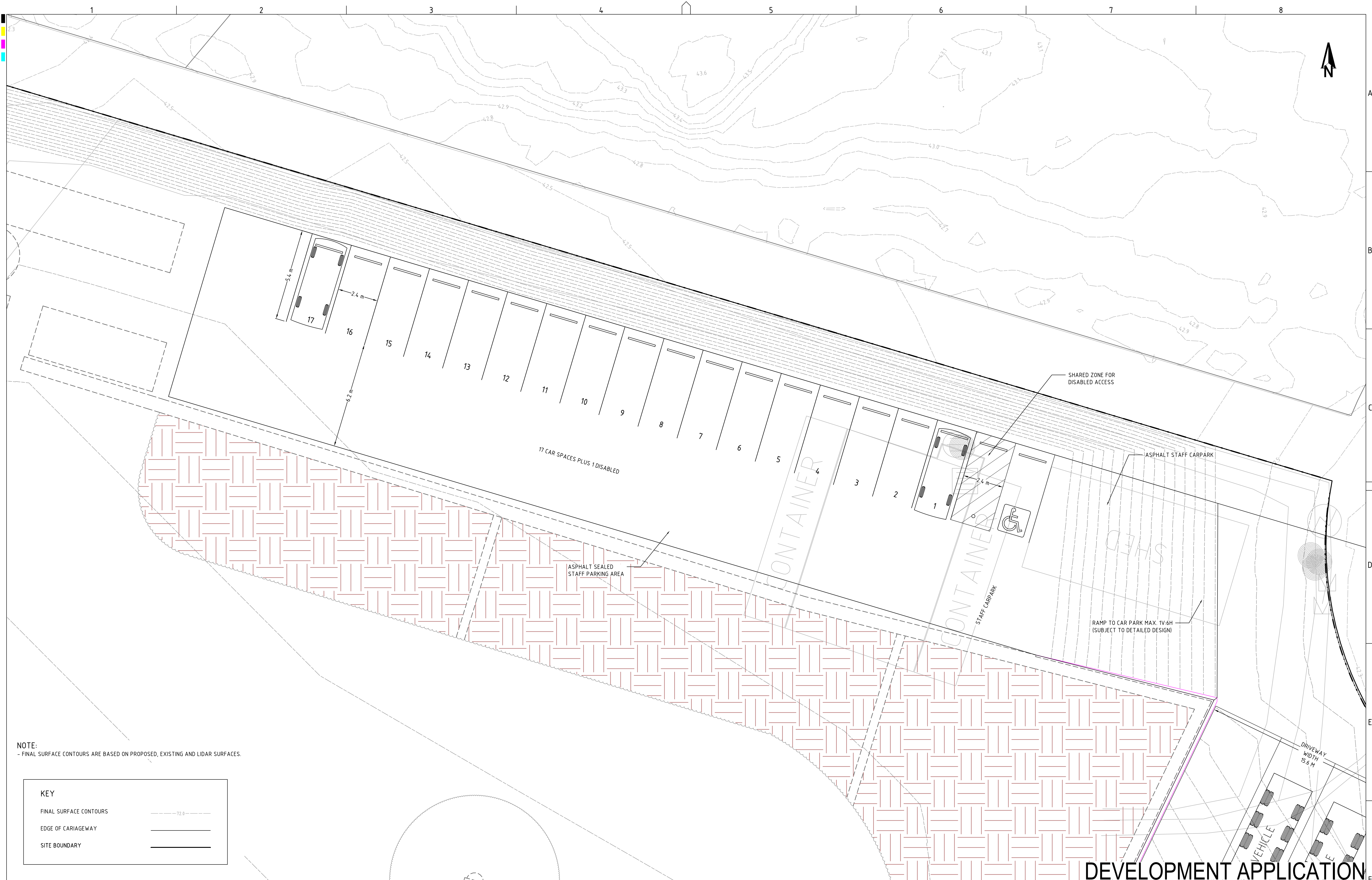
CONCRETE RECYCLERS (GROUP) PTY LTD

PROJECT NAME/PLANSET TITLE

MINTO CONCRETE RECYCLERS
SITE EARTHWORKS

7 MONTORE ROAD, MINTO NSW 2566
LOT 52 DP 618900

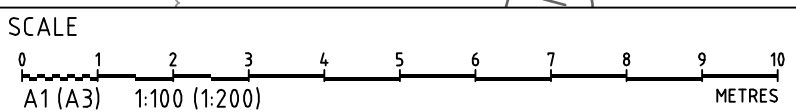
DEVELOPMENT APPLICATION



NOTE:
- FINAL SURFACE CONTOURS ARE BASED ON PROPOSED, EXISTING AND LIDAR SURFACES.

KEY	
FINAL SURFACE CONTOURS	---
EDGE OF CARRIAGEWAY	---
SITE BOUNDARY	---

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
F	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	JCF	TH	TH
E	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	JCF		
D	CLIENT REQUESTED AMENDMENTS	03/08/2018	LZ	JCF	TH	TH
C	UPDATED AS PER CLIENT REQUEST	06/06/2018	RK/JCF	JCF	TH	TH
B	CLIENT REQUESTED AMENDMENTS	21/03/2018	KW/JCF	JCF	TH	
A	CLIENT REQUESTED AMENDMENTS	09/03/2018	KW	JCF	TH	



GRID	DATUM	PROJECT MANAGER
MGA	m AHD	TH
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CLIENT
CONCRETE RECYCLERS (GROUP) PTY LTD
PROJECT NAME/PLANSET TITLE
MINTO CONCRETE RECYCLERS SITE EARTHWORKS
7 MONTORE ROAD, MINTO NSW 2566 LOT 52 DP 618900



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Email: mail@martens.com.au Internet: www.martens.com.au

Consulting Engineers
Environment
Water
Geotechnical
Civil

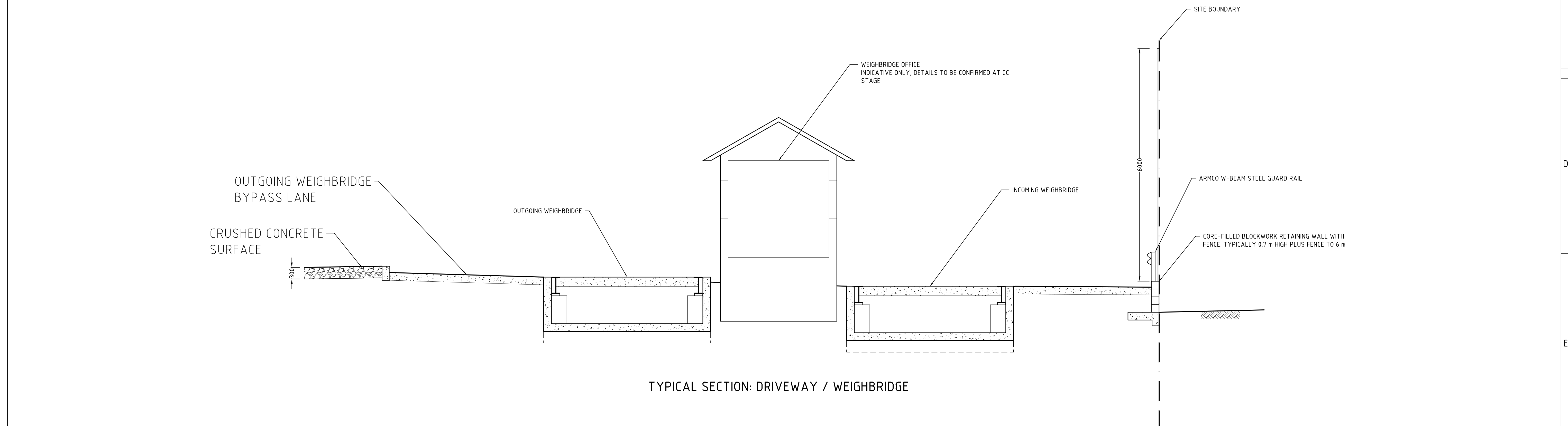
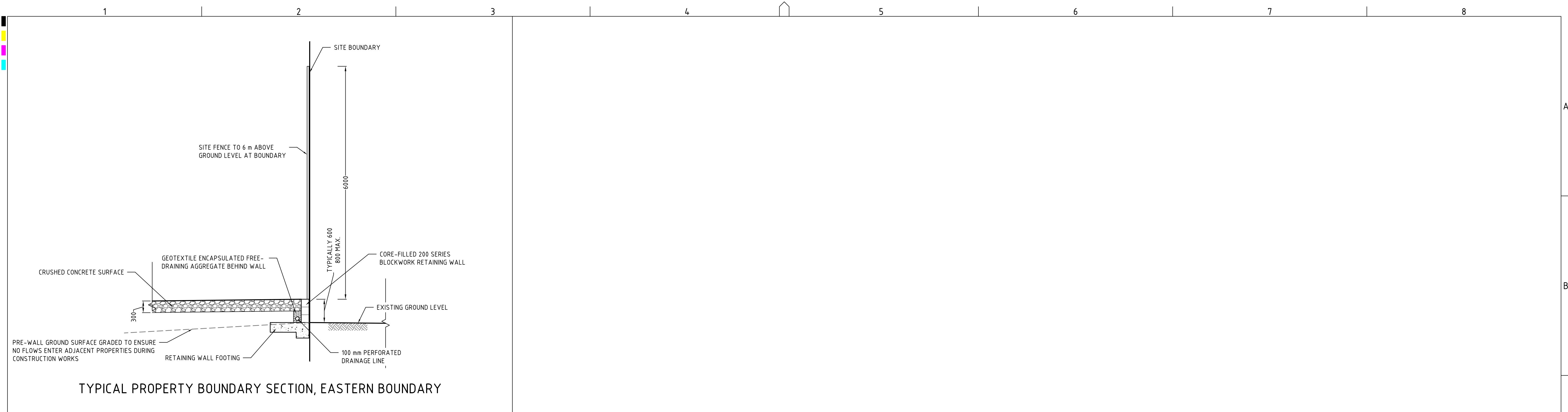
DEVELOPMENT APPLICATION

DRAWING TITLE				
CARPARK PLAN				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1203464	PS02	R15	PS02-F102	F

PRINTED: 11/09/2018 11:03:24
USER: R15/PS02/F102

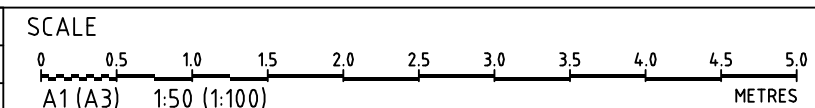
A1 / A3 LANDSCAPE (A1L1C_v02.0.0)

DRAWING ID: P1203464-PS02-R15-F102



NOTES:
- RETAINING WALL & FENCE SUBJECT TO DETAILED DESIGN.

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD
E	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	JCF	TH	TH
D	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	JCF		
C	CLIENT REQUESTED AMENDMENTS	03/08/2018	LZ	JCF	TH	TH
B	UPDATED AS PER CLIENT REQUEST	06/06/2018	RK/JCF	JCF	TH	TH
A	CLIENT REQUESTED AMENDMENTS	09/03/2018	KW	JCF	TH	



GRID	DATUM	PROJECT MANAGER	CLIENT
MGA	m AHD	TH	CONCRETE RECYCLERS (GROUP) PTY LTD
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PROJECT NAME/PLANSET TITLE
MINTO CONCRETE RECYCLERS SITE EARTHWORKS
7 MONTORE ROAD, MINTO NSW 2566 LOT 52 DP 618900



Consulting Engineers
Environment
Water
Geotechnical
Civil

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Email: mail@martens.com.au Internet: www.martens.com.au

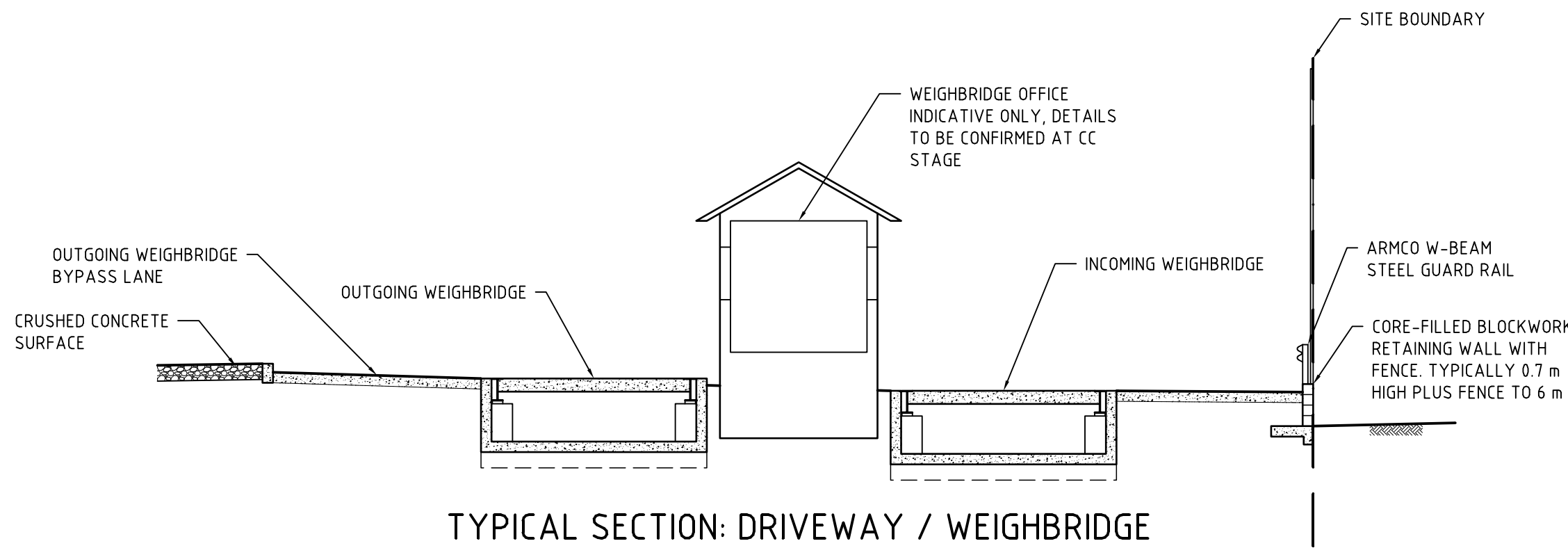
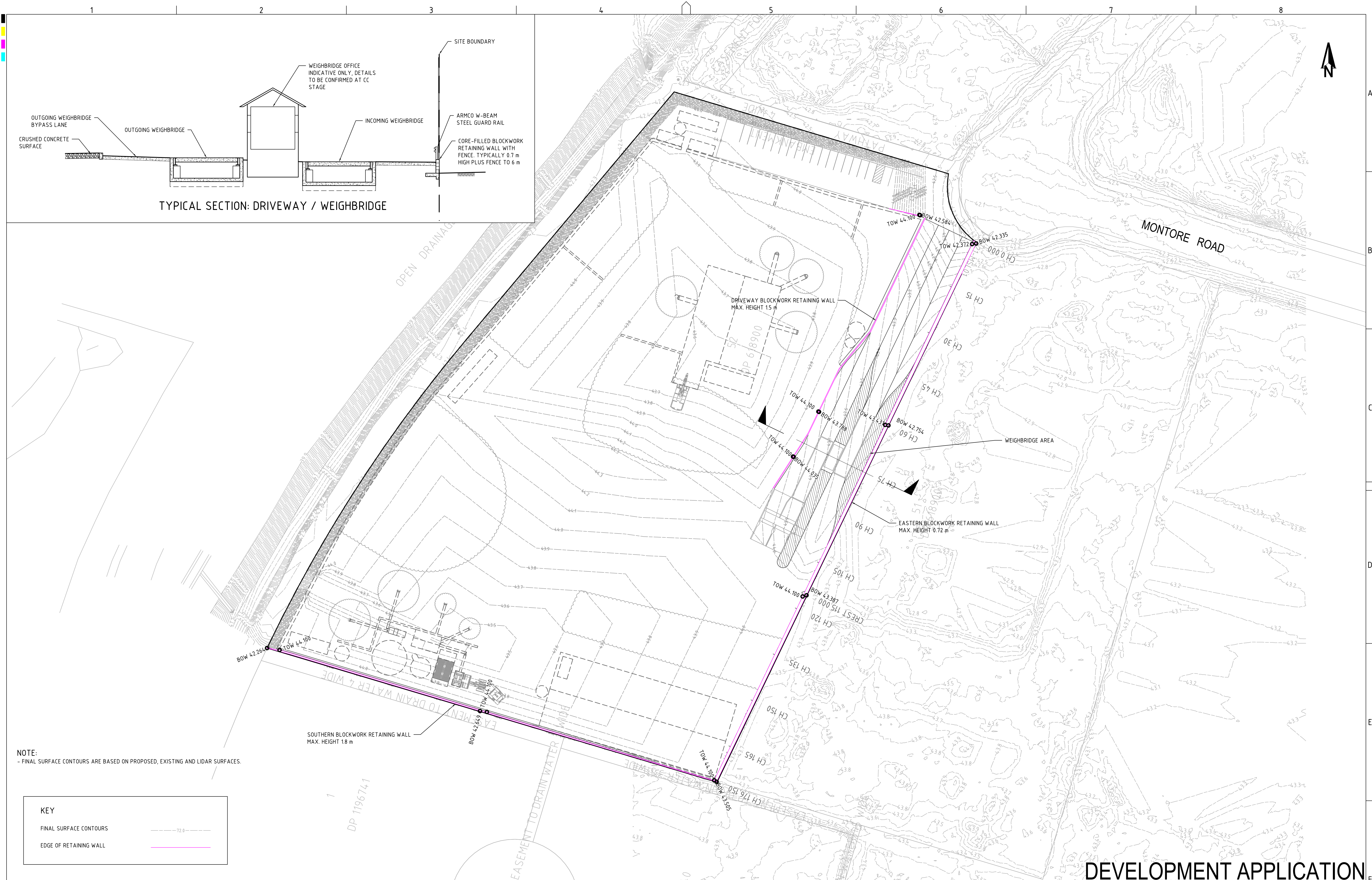
DRAWING TITLE				
DRIVEWAY CROSS SECTION				
PROJECT NO.	PLANSET NO.	RELEASE NO.	DRAWING NO.	REVISION
P1203464	PS02	R15	PS02-F103	E

DEVELOPMENT APPLICATION

PRINTED: 11/09/2018 11:02:14
USER: R15/PS02/F103

A1 / A3 LANDSCAPE (A1LC_v02.0.01)

DRAWING ID: P1203464-PS02-R15-F103



NOTE:
- FINAL SURFACE CONTOURS ARE BASED ON PROPOSED, EXISTING AND LIDAR SURFACES.

KEY

FINAL SURFACE CONTOURS

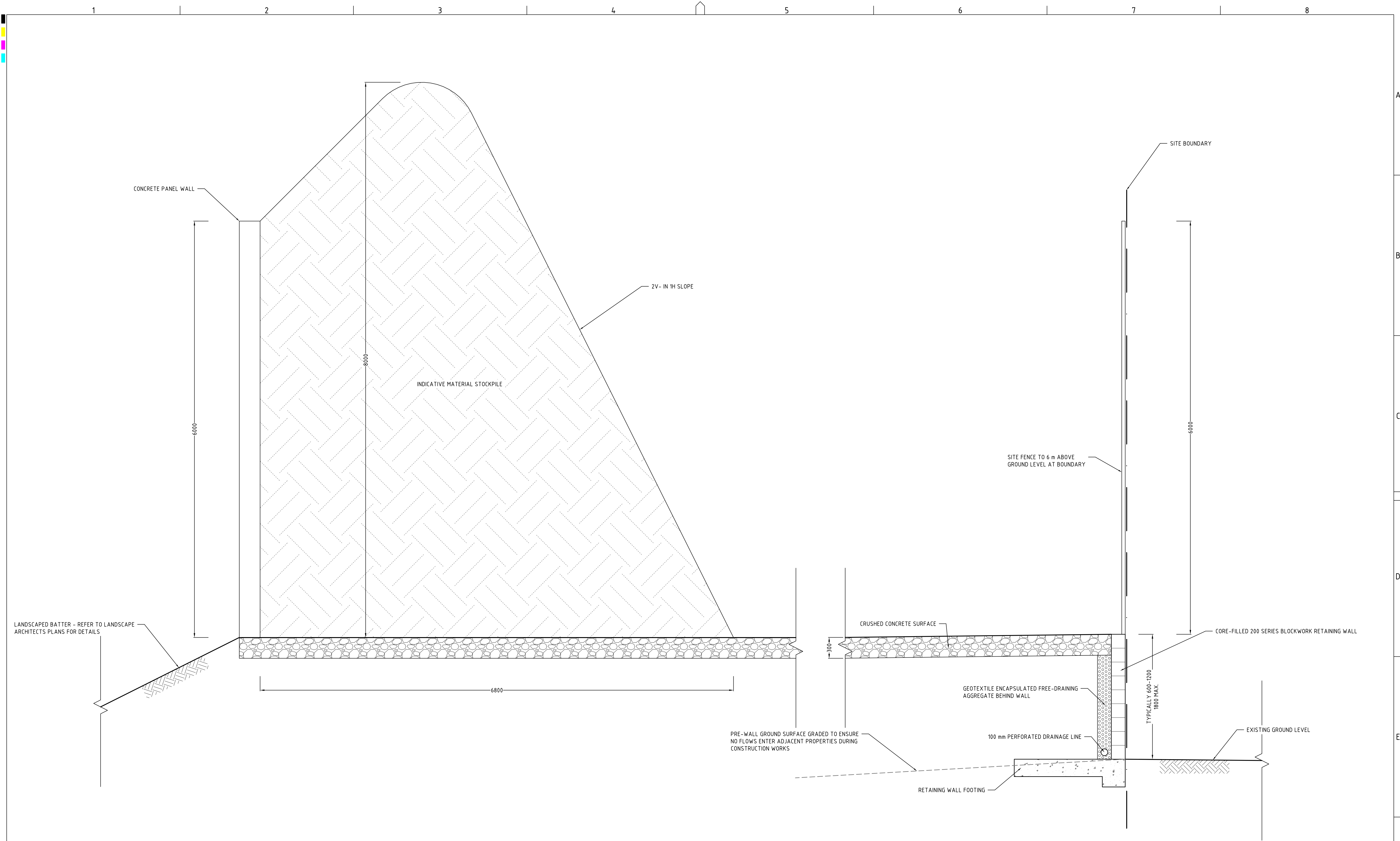
EDGE OF RETAINING WALL

REV	DESCRIPTION	DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE	GRID	DATUM	PROJECT MANAGER	CLIENT	Consulting Engineers		DRAWING TITLE	
G	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	CG/JCF	TH	TH	0 5 10 15 20 25 30 35 40 45 50 A1 (A3) 1:500 (1:1,000) METRES	MGA	MAHD	TH	CONCRETE RECYCLERS (GROUP) PTY LTD	Environment Water Geotechnical Civil		RETAINING WALL PLAN	
F	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	JCF							PROJECT NAME/PLANSET TITLE	martens & Associates Pty Ltd		PROJECT NO. PLANSET NO. RELEASE NO. DRAWING NO. REVISION	
E	CLIENT REQUESTED AMENDMENTS	03/08/2018	LZ	JCF	TH	TH					MINTO CONCRETE RECYCLERS	Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767		P1203464 PS02 R15 PS02-F200 G	
D	UPDATED AS PER CLIENT REQUEST	06/06/2018	RK/JCF	JCF	TH	TH					SITE EARTHWORKS	Email: mail@martens.com.au Internet: www.martens.com.au			
C	CLIENT REQUESTED AMENDMENTS	21/03/2018	KW/JCF	JCF	TH						7 MONTORE ROAD, MINTO NSW 2566				
B	CLIENT REQUESTED AMENDMENTS	09/03/2018	KW	CG/JCF	TH						LOT 52 DP 618900				
A	BALANCE SITE EARTHWORKS	07/11/2017	CG	CG	TH						(C) Copyright Martens & Associates Pty Ltd				

PRINTED: 1:500 (1:1,000) METRES

A1 / A3 LANDSCAPE (A1LC_v02.0.01)


DRAWING ID: P1203464-PS02-R15-F200

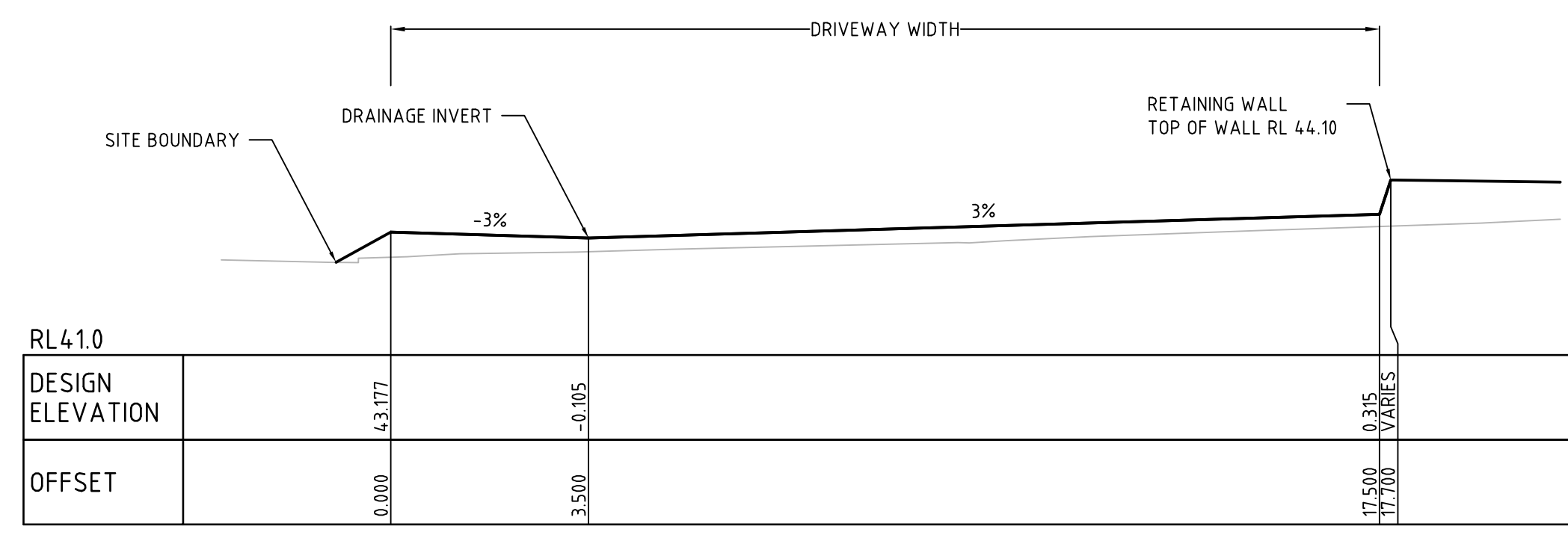
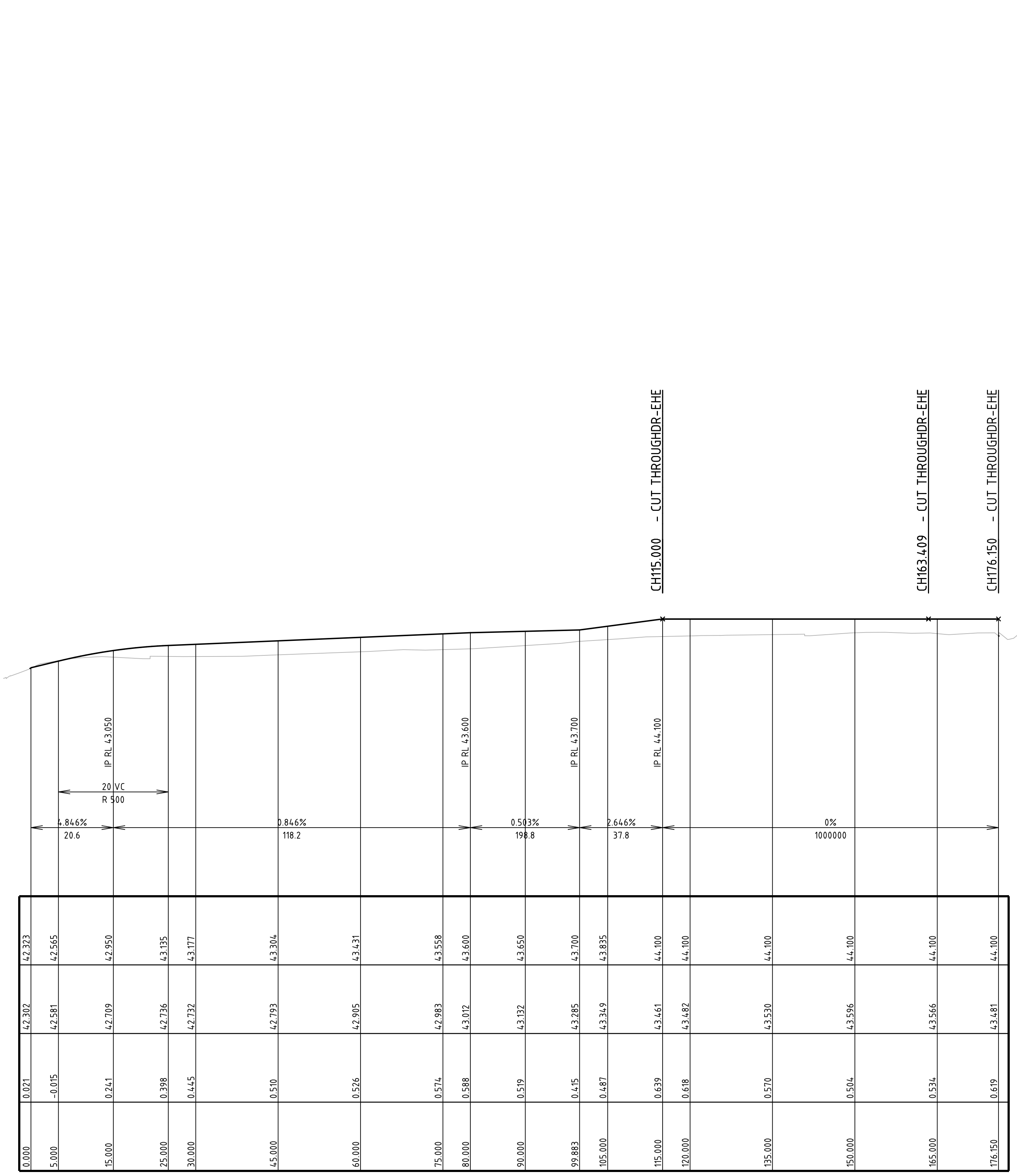


NOTE:
- CONCEPT DESIGN ONLY. SUBJECT TO DETAILED DESIGN.

TYPICAL PROPERTY BOUNDARY SECTIONS: EASTERN, SOUTHERN AND WESTERN BOUNDARIES

DEVELOPMENT APPLICATION

DESCRIPTION		DATE	DRAWN	DESIGNED	CHECKED	APPRVD	SCALE	GRID	DATUM	PROJECT MANAGER	CLIENT	Consulting Engineers				DRAWING TITLE						
E	MINOR AMENDMENTS	28/09/2018	JCF/LZ/PB	JCF	TH	TH	0 0.2 0.4 0.6 0.8 1.0 1.2 1.4 1.6 1.8 2.0 A1 (A3) 1:20 (1:40) METRES	MGA	m AHD	TH	CONCRETE RECYCLERS (GROUP) PTY LTD	 Suite 201, 20 George St, Hornsby, NSW 2077 Australia Phone: (02) 9476 9999 Fax: (02) 9476 8767 Email: mail@martens.com.au Internet: www.martens.com.au				RETAINING WALL DETAILS						
D	CLIENT REQUESTED AMENDMENTS	12/09/2018	JCF/LZ	JCF							PROJECT NAME/PLANSET TITLE											
C	CLIENT REQUESTED AMENDMENTS	03/08/2018	LZ	JCF	TH	TH					MINTO CONCRETE RECYCLERS SITE EARTHWORKS											
B	UPDATED AS PER CLIENT REQUEST	06/06/2018	RK/JCF	JCF	TH	TH					7 MONTORE ROAD, MINTO NSW 2566 LOT 52 DP 618900											
A	CLIENT REQUESTED AMENDMENTS	09/03/2018	KW	JCF	TH																	
A1 / A3 LANDSCAPE (A1LC_v02.0.01)																						



DRAWING TITLE

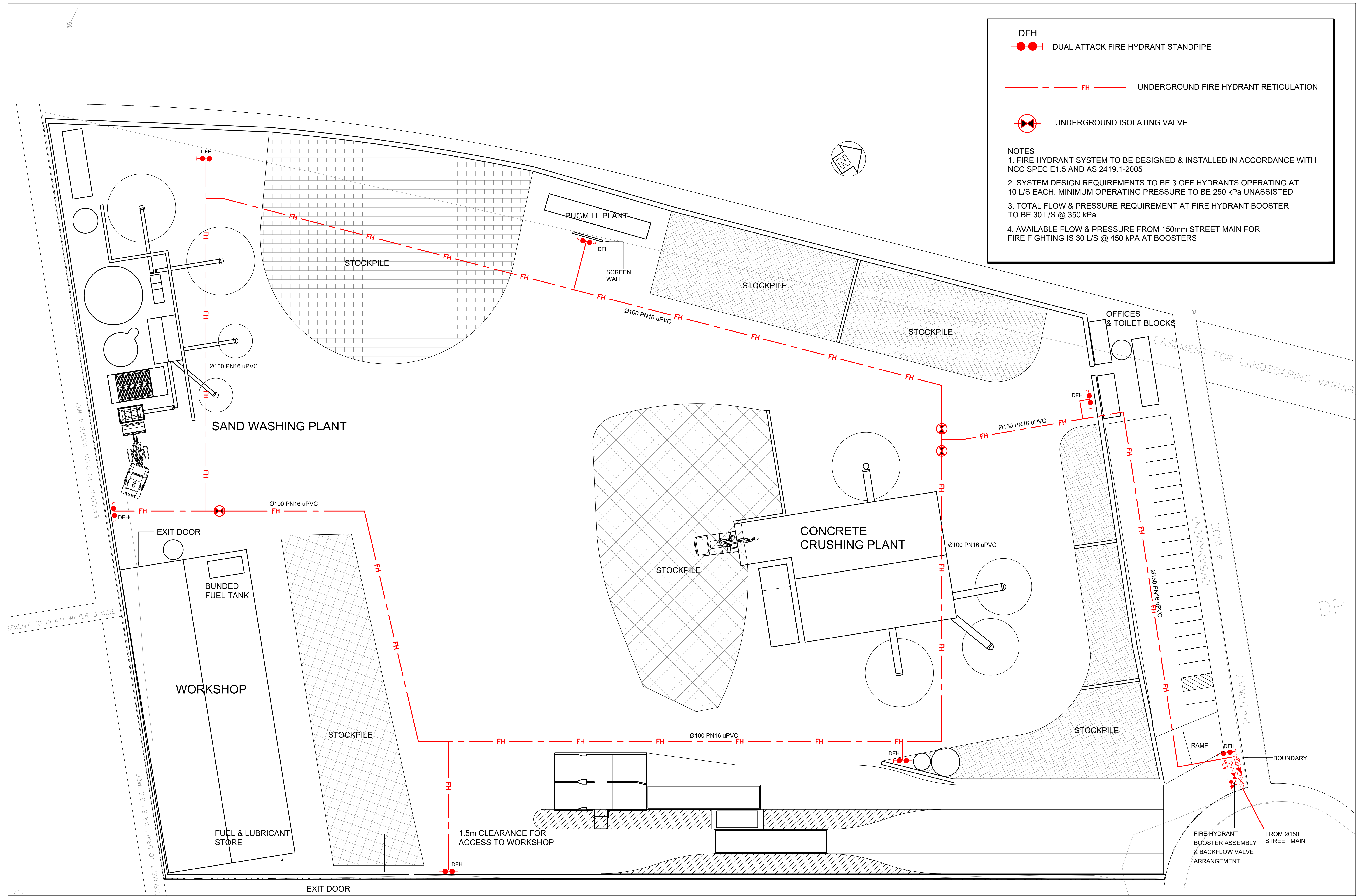
DRIVEWAY LONGITUDINAL AND TYPICAL CROSS SECTIONS

DRAWING ID: P1203464-PS02-R15-F400

PRINTED: 11/03/2018 11:00:00

FILE: A1 / A3 LANDSCAPE (A1LC_v02.0.01)

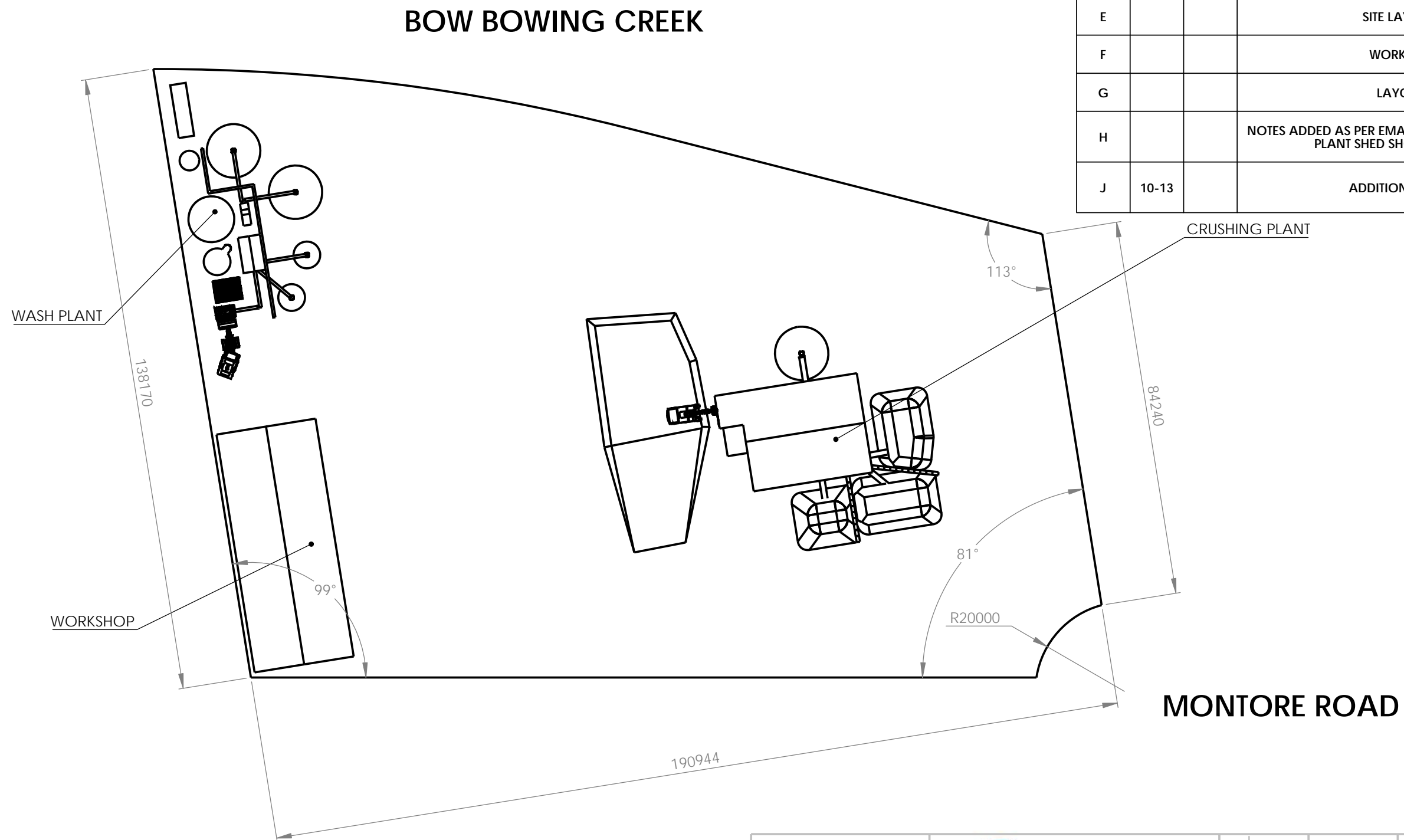
DEVELOPMENT APPLICATION






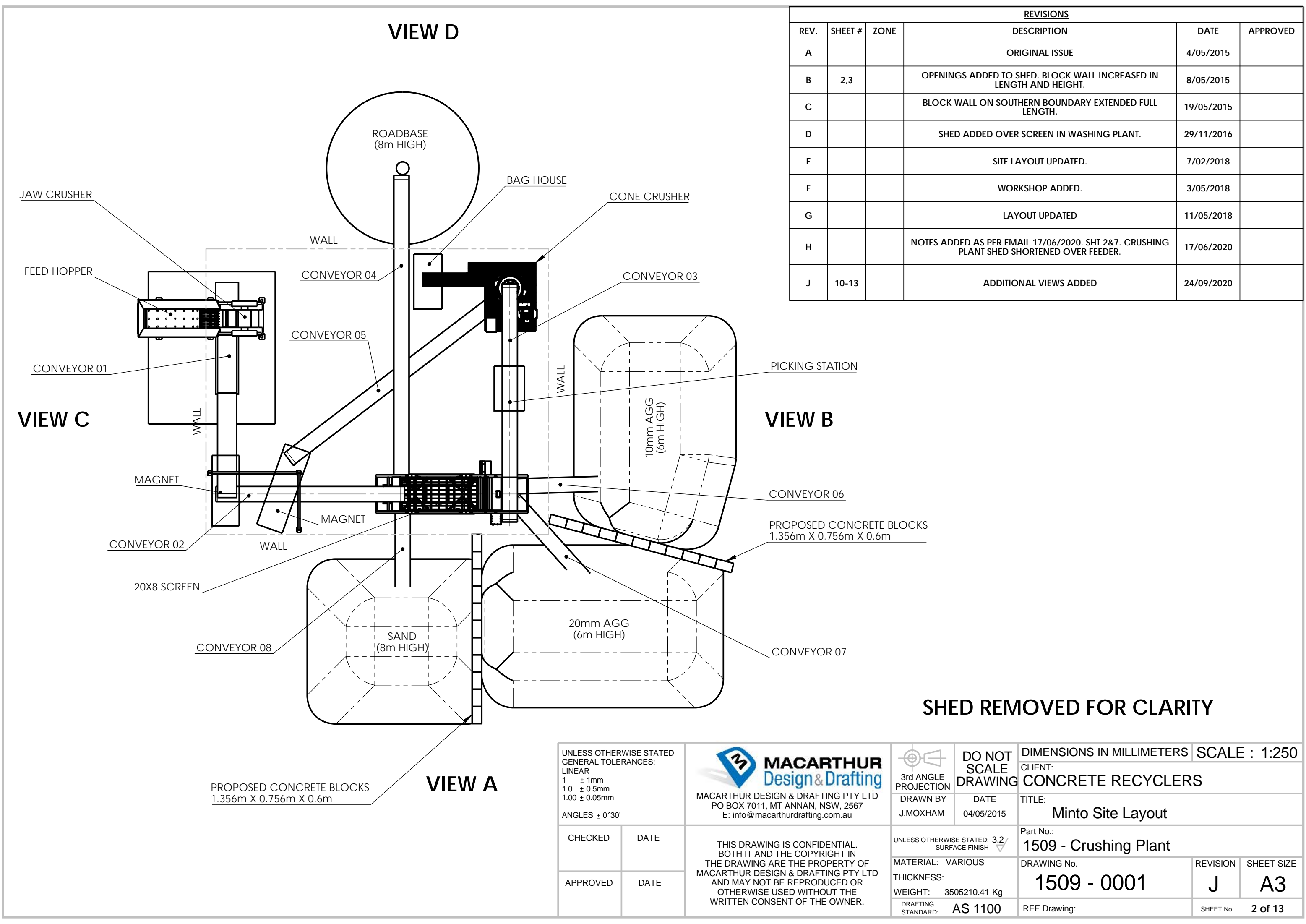
- DFH
●● DUAL ATTACK FIRE HYDRANT STANDPIPE
- FH — UNDERGROUND FIRE HYDRANT RETICULATION
- ⊗ UNDERGROUND ISOLATING VALVE

- NOTES
1. FIRE HYDRANT SYSTEM TO BE DESIGNED & INSTALLED IN ACCORDANCE WITH NCC SPEC E1.5 AND AS 2419.1-2005
 2. SYSTEM DESIGN REQUIREMENTS TO BE 3 OFF HYDRANTS OPERATING AT 10 L/S EACH. MINIMUM OPERATING PRESSURE TO BE 250 kPa UNASSISTED
 3. TOTAL FLOW & PRESSURE REQUIREMENT AT FIRE HYDRANT BOOSTER TO BE 30 L/S @ 350 kPa
 4. AVAILABLE FLOW & PRESSURE FROM 150mm STREET MAIN FOR FIRE FIGHTING IS 30 L/S @ 450 kPa AT BOOSTERS

REVISIONS					
REV.	SHEET #	ZONE	DESCRIPTION	DATE	APPROVED
A			ORIGINAL ISSUE	4/05/2015	
B	2,3		OPENINGS ADDED TO SHED. BLOCK WALL INCREASED IN LENGTH AND HEIGHT.	8/05/2015	
C			BLOCK WALL ON SOUTHERN BOUNDARY EXTENDED FULL LENGTH.	19/05/2015	
D			SHED ADDED OVER SCREEN IN WASHING PLANT.	29/11/2016	
E			SITE LAYOUT UPDATED.	7/02/2018	
F			WORKSHOP ADDED.	3/05/2018	
G			LAYOUT UPDATED	11/05/2018	
H			NOTES ADDED AS PER EMAIL 17/06/2020. SHT 2&7. CRUSHING PLANT SHED SHORTENED OVER FEEDER.	17/06/2020	
J	10-13		ADDITIONAL VIEWS ADDED	24/09/2020	





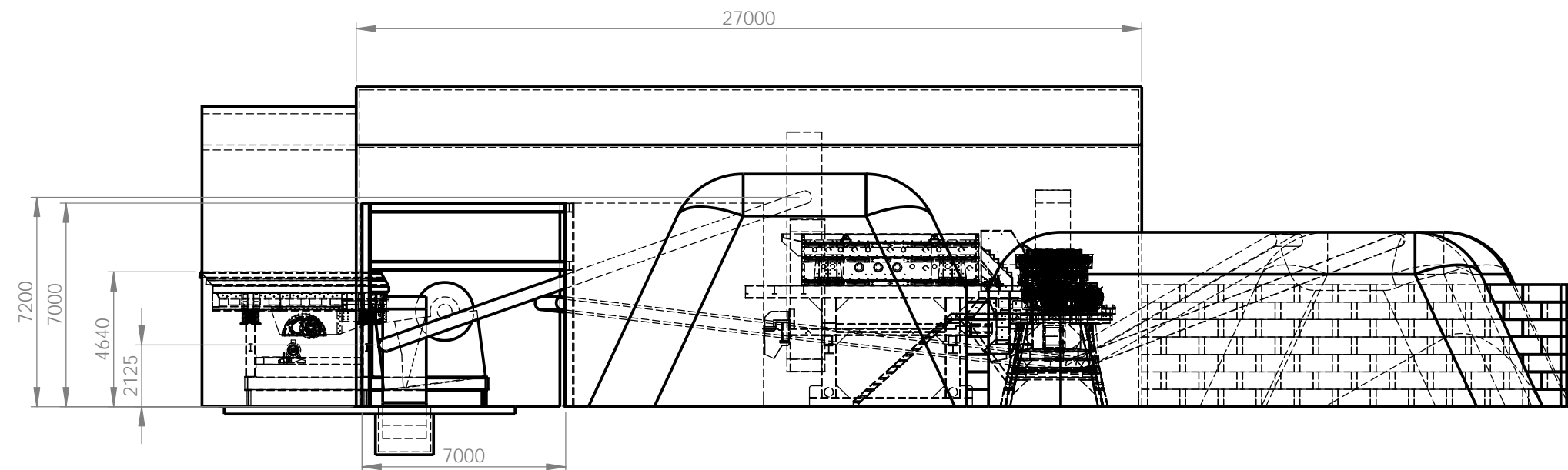
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						CLIENT: CONCRETE RECYCLERS			
						TITLE: Minto Site Layout			
CHECKED	DATE	<div>THIS DRAWING IS CONFIDENTIAL. BOTH IT AND THE COPYRIGHT IN THE DRAWING ARE THE PROPERTY OF MACARTHUR DESIGN & DRAFTING PTY LTD AND MAY NOT BE REPRODUCED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF THE OWNER.</div>		UNLESS OTHERWISE STATED: 3.2/ SURFACE FINISH 		Part No.: 1509 - Minto Site Layout			
APPROVED	DATE			MATERIAL: VARIOUS THICKNESS: WEIGHT: 55109797.58kg		DRAWING No. 1509 - 0001		REVISION J	SHEET SIZE A3
				DRAFTING STANDARD: AS 1100		REF Drawing:		SHEET No. 1 of 13	





REVISIONS					
REV.	SHEET #	ZONE	DESCRIPTION	DATE	APPROVED
A			ORIGINAL ISSUE	4/05/2015	
B	2,3		OPENINGS ADDED TO SHED. BLOCK WALL INCREASED IN LENGTH AND HEIGHT.	8/05/2015	
C			BLOCK WALL ON SOUTHERN BOUNDARY EXTENDED FULL LENGTH.	19/05/2015	
D			SHED ADDED OVER SCREEN IN WASHING PLANT.	29/11/2016	
E			SITE LAYOUT UPDATED.	7/02/2018	
F			WORKSHOP ADDED.	3/05/2018	
G			LAYOUT UPDATED	11/05/2018	
H			NOTES ADDED AS PER EMAIL 17/06/2020. SHT 2&7. CRUSHING PLANT SHED SHORTENED OVER FEEDER.	17/06/2020	
J	10-13		ADDITIONAL VIEWS ADDED	24/09/2020	

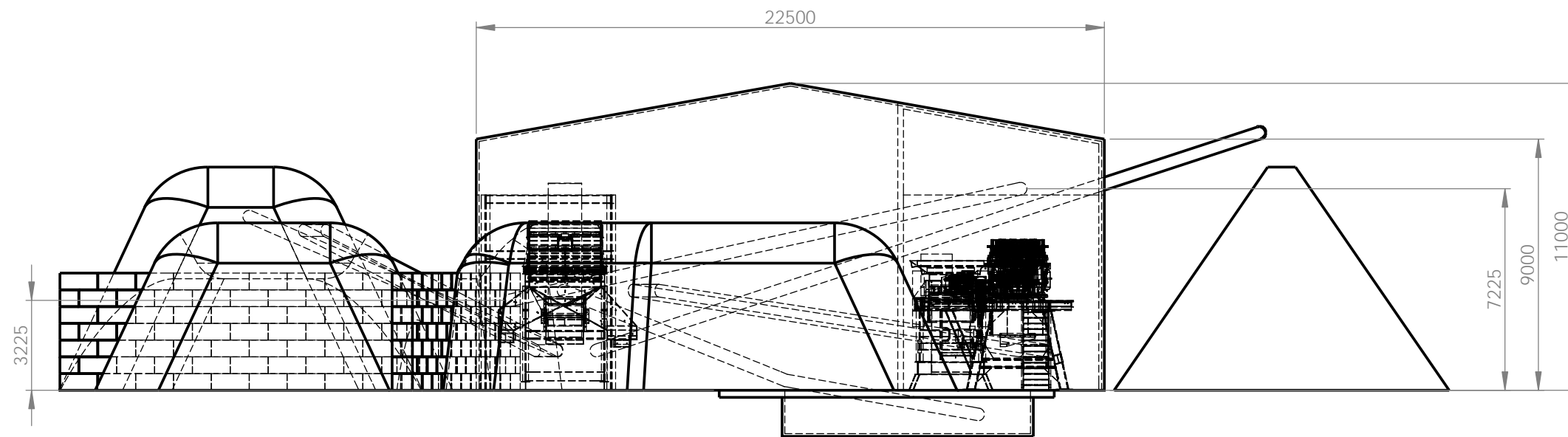
SHED REMOVED FOR CLARITY

<div>UNLESS OTHERWISE STATED GENERAL TOLERANCES: LINEAR 1 ± 1mm 1.0 ± 0.5mm 1.00 ± 0.05mm ANGLES ± 0°30'</div>		<div><div>MACARTHUR Design & Drafting</div><div>MACARTHUR DESIGN & DRAFTING PTY LTD PO BOX 7011, MT ANNAN, NSW, 2567 E: info@macarthurdrafting.com.au</div></div>		<div><div>3rd ANGLE PROJECTION</div><div>DRAWN BY J.MOXHAM</div></div>		<div>DO NOT SCALE DRAWING</div> <div>DATE 04/05/2015</div>		DIMENSIONS IN MILLIMETERS		SCALE : 1:250	
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								TITLE: Minto Site Layout			
CHECKED	DATE	<div>THIS DRAWING IS CONFIDENTIAL. BOTH IT AND THE COPYRIGHT IN THE DRAWING ARE THE PROPERTY OF MACARTHUR DESIGN & DRAFTING PTY LTD AND MAY NOT BE REPRODUCED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF THE OWNER.</div>		UNLESS OTHERWISE STATED: 3.2 SURFACE FINISH		Part No.: 1509 - Crushing Plant					
APPROVED	DATE			MATERIAL: VARIOUS		DRAWING No.		REVISION	SHEET SIZE		
				THICKNESS:		1509 - 0001		J	A3		
				WEIGHT: 3505210.41 Kg							
		DRAFTING STANDARD: AS 1100		REF Drawing:		SHEET No.		2 of 13			





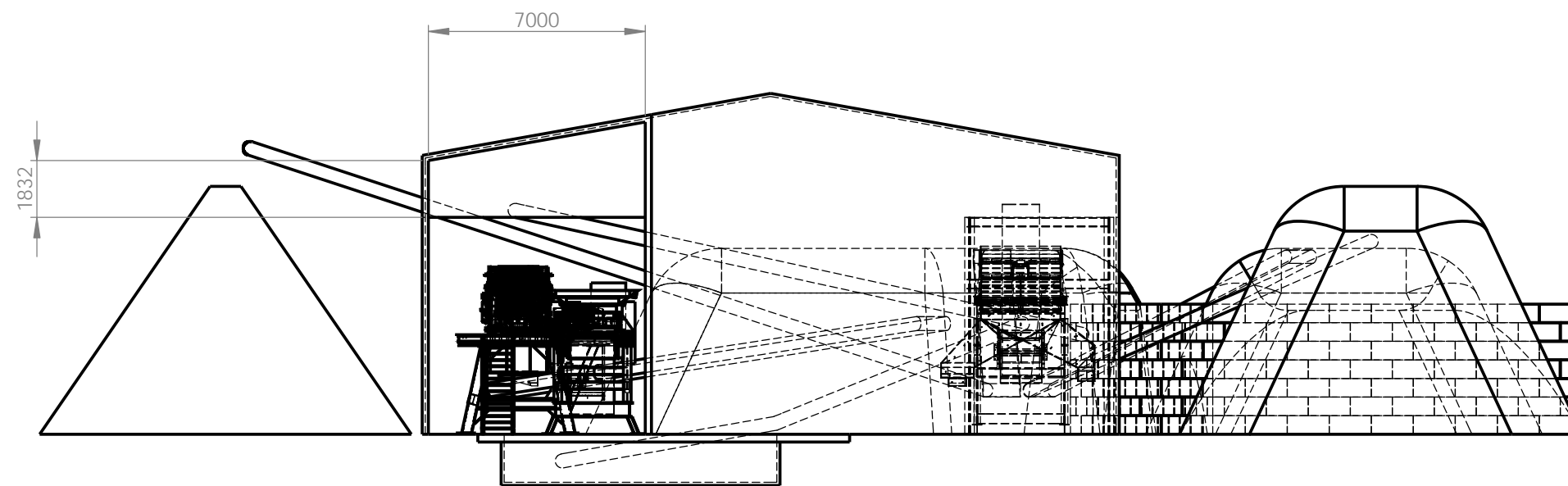
VIEW FROM EAST

UNLESS OTHERWISE STATED GENERAL TOLERANCES: LINEAR 1 ± 1mm 1.0 ± 0.5mm 1.00 ± 0.05mm ANGLES ± 0°30'		 MACARTHUR Design & Drafting MACARTHUR DESIGN & DRAFTING PTY LTD PO BOX 7011, MT ANNAN, NSW, 2567 E: info@macarthurdrafting.com.au	 3rd ANGLE PROJECTION	DO NOT SCALE DRAWING	DIMENSIONS IN MILLIMETERS		SCALE : 1:200	
					CLIENT: CONCRETE RECYCLERS			
CHECKED	DATE	THIS DRAWING IS CONFIDENTIAL. BOTH IT AND THE COPYRIGHT IN THE DRAWING ARE THE PROPERTY OF MACARTHUR DESIGN & DRAFTING PTY LTD AND MAY NOT BE REPRODUCED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF THE OWNER.	DRAWN BY J.MOXHAM	DATE 04/05/2015	TITLE: Minto Site Layout			
	APPROVED				DATE	Part No.: 1509 - Crushing Plant		
UNLESS OTHERWISE STATED: 3.2 SURFACE FINISH ✓			DRAWING No.			REVISION	SHEET SIZE	
			MATERIAL: VARIOUS		THICKNESS: 1509 - 0001		J	A3
		WEIGHT: 3505210.41 Kg		REF Drawing:		SHEET No. 3 of 13		
		DRAFTING STANDARD: AS 1100						





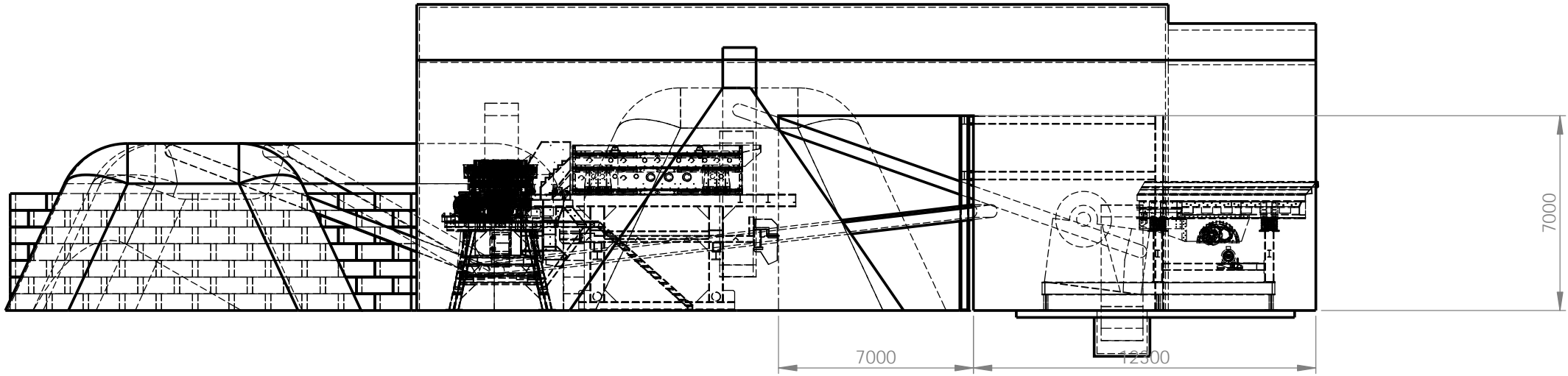
NORTH

<div>UNLESS OTHERWISE STATED GENERAL TOLERANCES: LINEAR 1 ± 1mm 1.0 ± 0.5mm 1.00 ± 0.05mm ANGLES ± 0°30'</div>		<div><div>MACARTHUR Design & Drafting</div></div> <div>MACARTHUR DESIGN & DRAFTING PTY LTD PO BOX 7011, MT ANNAN, NSW, 2567 E: info@macarthurdrafting.com.au</div>	<div><div>3rd ANGLE PROJECTION</div></div> <div>DRAWN BY J.MOXHAM</div>	<div>DO NOT SCALE DRAWING</div> <div>DATE 04/05/2015</div>	DIMENSIONS IN MILLIMETERS		SCALE : 1:200	
					CLIENT: CONCRETE RECYCLERS			
					TITLE: Minto Site Layout			
CHECKED	DATE	<div>THIS DRAWING IS CONFIDENTIAL. BOTH IT AND THE COPYRIGHT IN THE DRAWING ARE THE PROPERTY OF MACARTHUR DESIGN & DRAFTING PTY LTD AND MAY NOT BE REPRODUCED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF THE OWNER.</div>	UNLESS OTHERWISE STATED: 3.2 SURFACE FINISH ✓		Part No.: 1509 - Crushing Plant			
APPROVED	DATE		MATERIAL: VARIOUS		DRAWING No.		REVISION	SHEET SIZE
			THICKNESS:		1509 - 0001		J	A3
			WEIGHT: 3505210.41 Kg					
			DRAFTING STANDARD: AS 1100	REF Drawing:		SHEET No. 4 of 13		





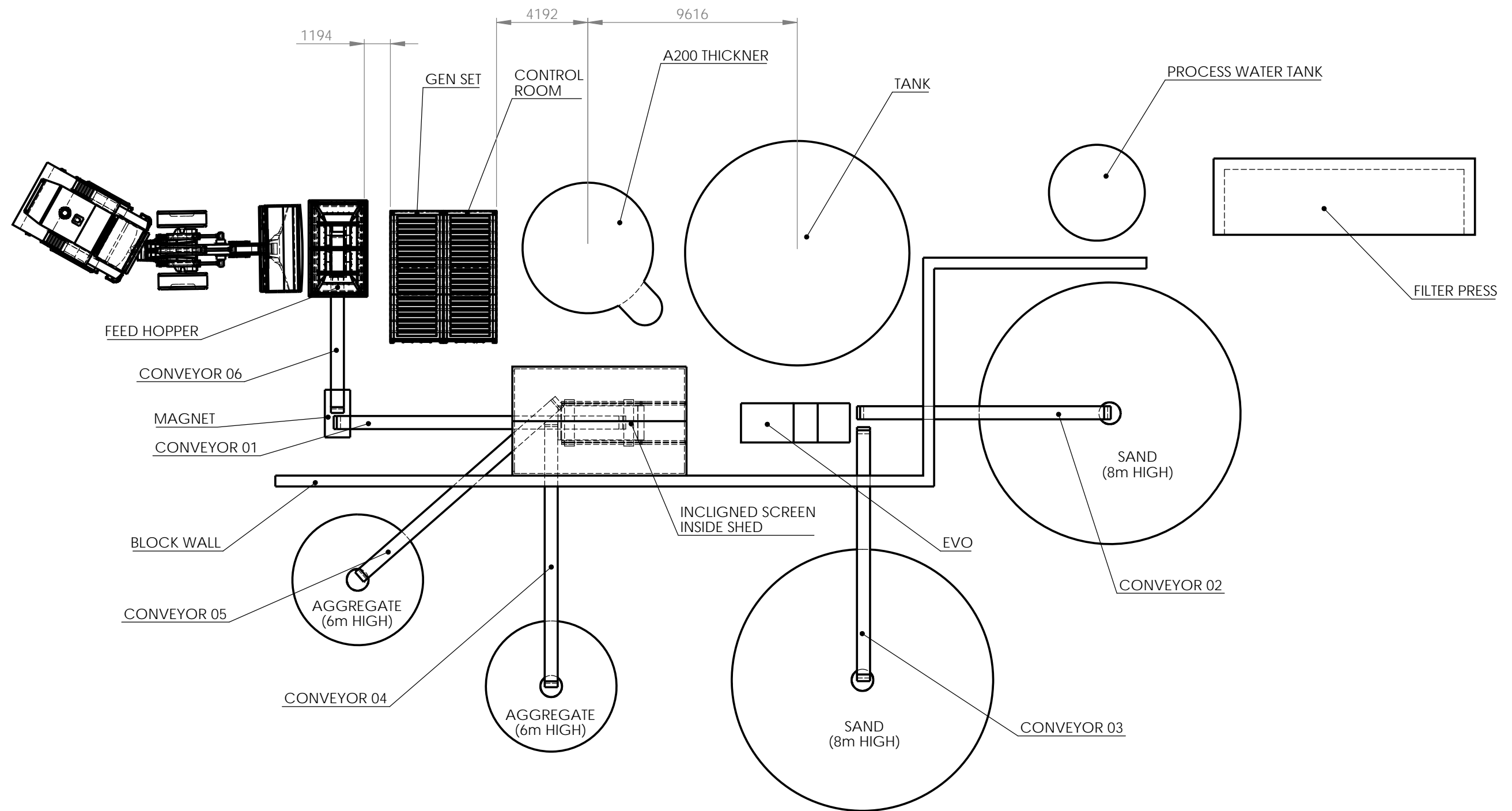
VIEW C

UNLESS OTHERWISE STATED GENERAL TOLERANCES: LINEAR 1 ± 1mm 1.0 ± 0.5mm 1.00 ± 0.05mm ANGLES ± 0°30'		 MACARTHUR Design & Drafting MACARTHUR DESIGN & DRAFTING PTY LTD PO BOX 7011, MT ANNAN, NSW, 2567 E: info@macarthurdrafting.com.au	 3rd ANGLE PROJECTION	DO NOT SCALE DRAWING	DIMENSIONS IN MILLIMETERS		SCALE : 1:200	
					CLIENT: CONCRETE RECYCLERS			
			DRAWN BY J.MOXHAM	DATE 04/05/2015	TITLE: Minto Site Layout			
CHECKED	DATE	THIS DRAWING IS CONFIDENTIAL. BOTH IT AND THE COPYRIGHT IN THE DRAWING ARE THE PROPERTY OF MACARTHUR DESIGN & DRAFTING PTY LTD AND MAY NOT BE REPRODUCED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF THE OWNER.	UNLESS OTHERWISE STATED: 3.2 SURFACE FINISH ✓		Part No.: 1509 - Crushing Plant			
APPROVED	DATE		MATERIAL: VARIOUS	DRAWING No.		REVISION	SHEET SIZE	
			THICKNESS:	1509 - 0001		J	A3	
			WEIGHT: 3505210.41 Kg					
		DRAFTING STANDARD: AS 1100	REF Drawing:		SHEET No. 5 of 13			





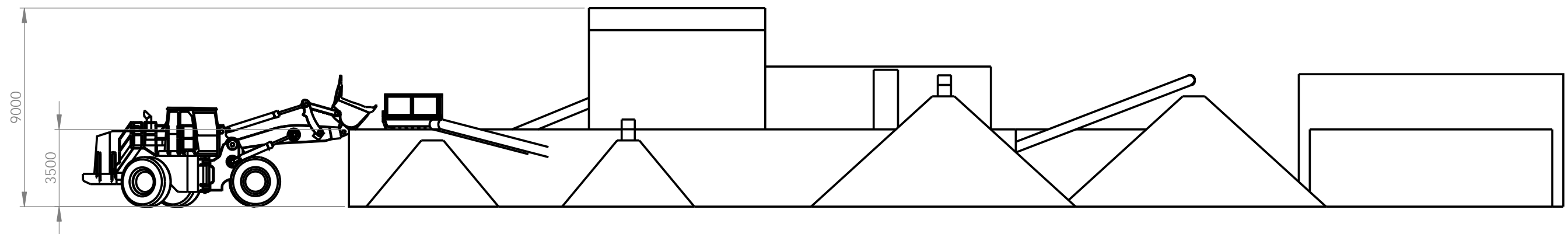
VIEW D

UNLESS OTHERWISE STATED GENERAL TOLERANCES: LINEAR 1 ± 1mm 1.0 ± 0.5mm 1.00 ± 0.05mm ANGLES ± 0°30'		<div>MACARTHUR Design & Drafting</div> <div>MACARTHUR DESIGN & DRAFTING PTY LTD PO BOX 7011, MT ANNAN, NSW, 2567 E: info@macarthurdrafting.com.au</div>		<div> 3rd ANGLE PROJECTION</div> <div>DRAWN BY J.MOXHAM</div>		DO NOT SCALE DRAWING		DIMENSIONS IN MILLIMETERS		SCALE : 1:200	
								CLIENT: CONCRETE RECYCLERS		TITLE: Minto Site Layout	
CHECKED	DATE	THIS DRAWING IS CONFIDENTIAL. BOTH IT AND THE COPYRIGHT IN THE DRAWING ARE THE PROPERTY OF MACARTHUR DESIGN & DRAFTING PTY LTD AND MAY NOT BE REPRODUCED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF THE OWNER.		UNLESS OTHERWISE STATED: 3.2 SURFACE FINISH ✓		Part No.: 1509 - Crushing Plant					
APPROVED	DATE			MATERIAL: VARIOUS		DRAWING No.		REVISION		SHEET SIZE	
				THICKNESS:		1509 - 0001		J		A3	
				WEIGHT: 3505210.41 Kg		REF Drawing:		SHEET No.		6 of 13	
				DRAFTING STANDARD: AS 1100							






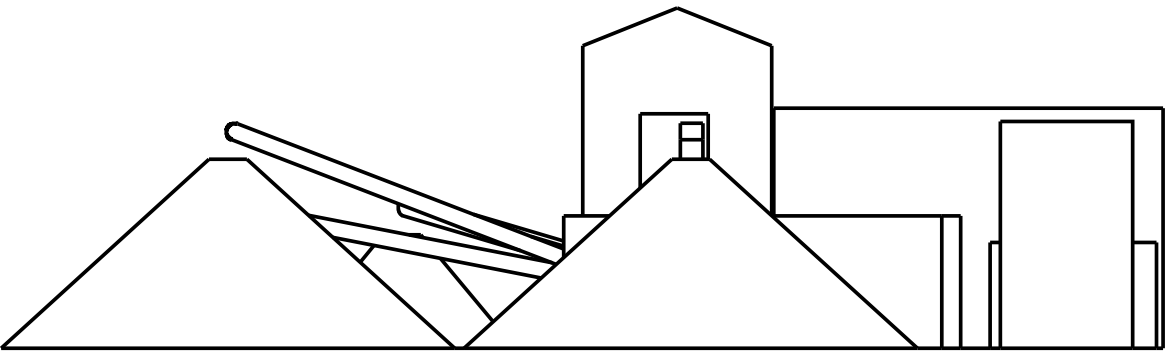
VIEW A

<div>UNLESS OTHERWISE STATED GENERAL TOLERANCES: LINEAR 1 ± 1mm 1.0 ± 0.5mm 1.00 ± 0.05mm</div> <div>ANGLES ± 0°30'</div>		<div><div>MACARTHUR Design & Drafting</div></div> <div>MACARTHUR DESIGN & DRAFTING PTY LTD PO BOX 7011, MT ANNAN, NSW, 2567 E: info@macarthurdrafting.com.au</div>		<div><div>3rd ANGLE PROJECTION</div></div> <div>DRAWN BY J.MOXHAM</div>		<div>DO NOT SCALE DRAWING</div> <div>DATE 04/05/2015</div>		<div>DIMENSIONS IN MILLIMETERS</div> <div>SCALE : 1:200</div>	
						CLIENT: CONCRETE RECYCLERS			
						TITLE: Washing Plant			
CHECKED	DATE	THIS DRAWING IS CONFIDENTIAL. BOTH IT AND THE COPYRIGHT IN THE DRAWING ARE THE PROPERTY OF MACARTHUR DESIGN & DRAFTING PTY LTD AND MAY NOT BE REPRODUCED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF THE OWNER.		UNLESS OTHERWISE STATED: 3.2 SURFACE FINISH ✓		Part No.: 1509 - Washing Plant			
APPROVED	DATE			MATERIAL: VARIOUS		DRAWING No.		REVISION	SHEET SIZE
				THICKNESS:		1509 - 0001		J	A3
				WEIGHT: 1556498.41 Kg					
				DRAFTING STANDARD: AS 1100		REF Drawing:		SHEET No.	7 of 13






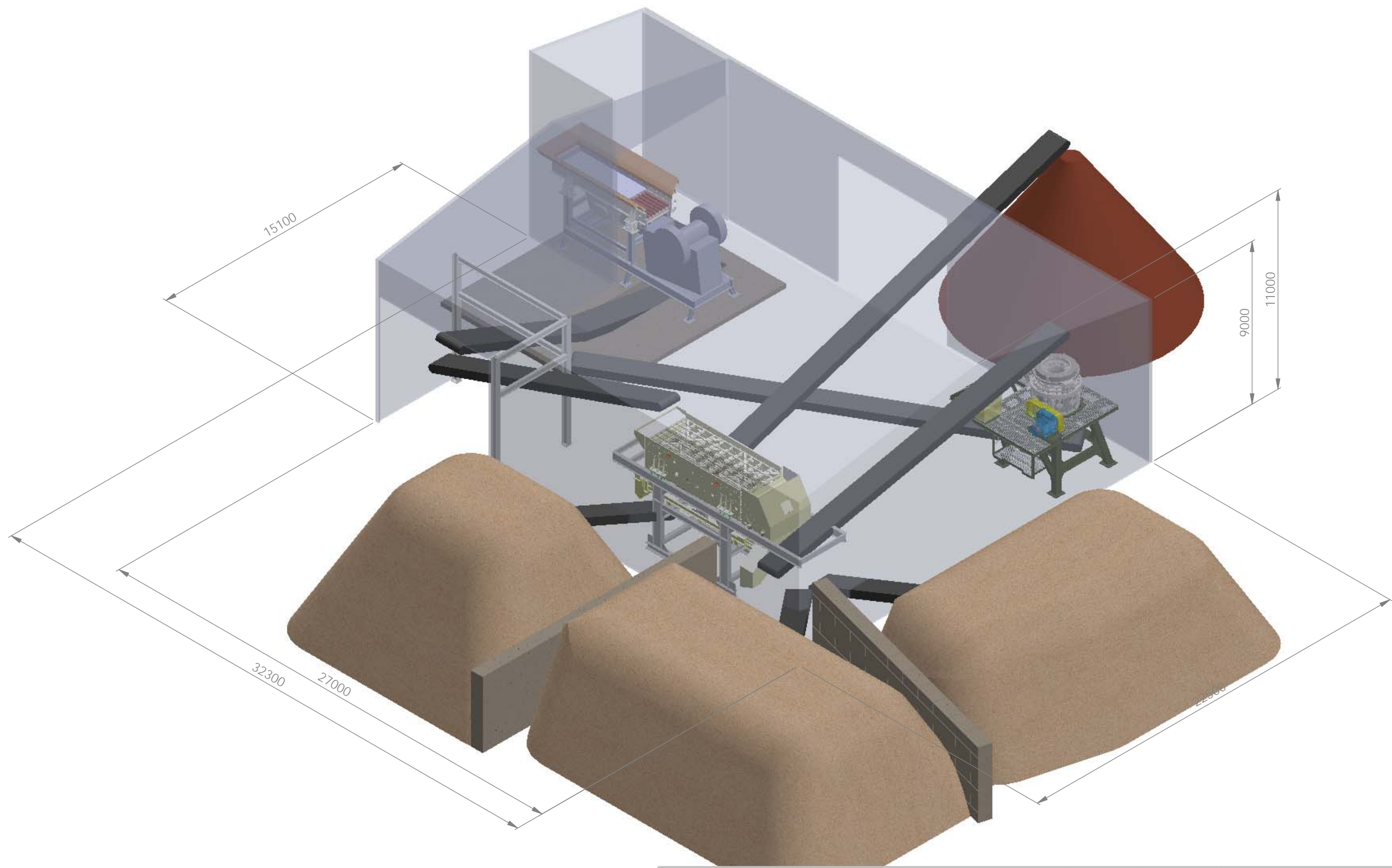
VIEW A



UNLESS OTHERWISE STATED GENERAL TOLERANCES: LINEAR 1 ± 1mm 1.0 ± 0.5mm 1.00 ± 0.05mm ANGLES ± 0°30'		<div>MACARTHUR Design & Drafting</div> <div>MACARTHUR DESIGN & DRAFTING PTY LTD PO BOX 7011, MT ANNAN, NSW, 2567 E: info@macarthurdrafting.com.au</div>		<div> 3rd ANGLE PROJECTION</div> <div>DRAWN BY J.MOXHAM</div>		DO NOT SCALE DRAWING	DIMENSIONS IN MILLIMETERS		SCALE : 1:200	
							CLIENT: CONCRETE RECYCLERS			
		DATE 04/05/2015		TITLE: Washing Plant						
CHECKED	DATE	THIS DRAWING IS CONFIDENTIAL. BOTH IT AND THE COPYRIGHT IN THE DRAWING ARE THE PROPERTY OF MACARTHUR DESIGN & DRAFTING PTY LTD AND MAY NOT BE REPRODUCED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF THE OWNER.		UNLESS OTHERWISE STATED: 3.2 SURFACE FINISH 			Part No.: 1509 - Washing Plant			
APPROVED	DATE			MATERIAL: VARIOUS			DRAWING No.		REVISION	SHEET SIZE
				THICKNESS:			1509 - 0001		J	A3
				WEIGHT: 1556498.41 Kg						
				DRAFTING STANDARD: AS 1100		REF Drawing:		SHEET No. 8 of 13		

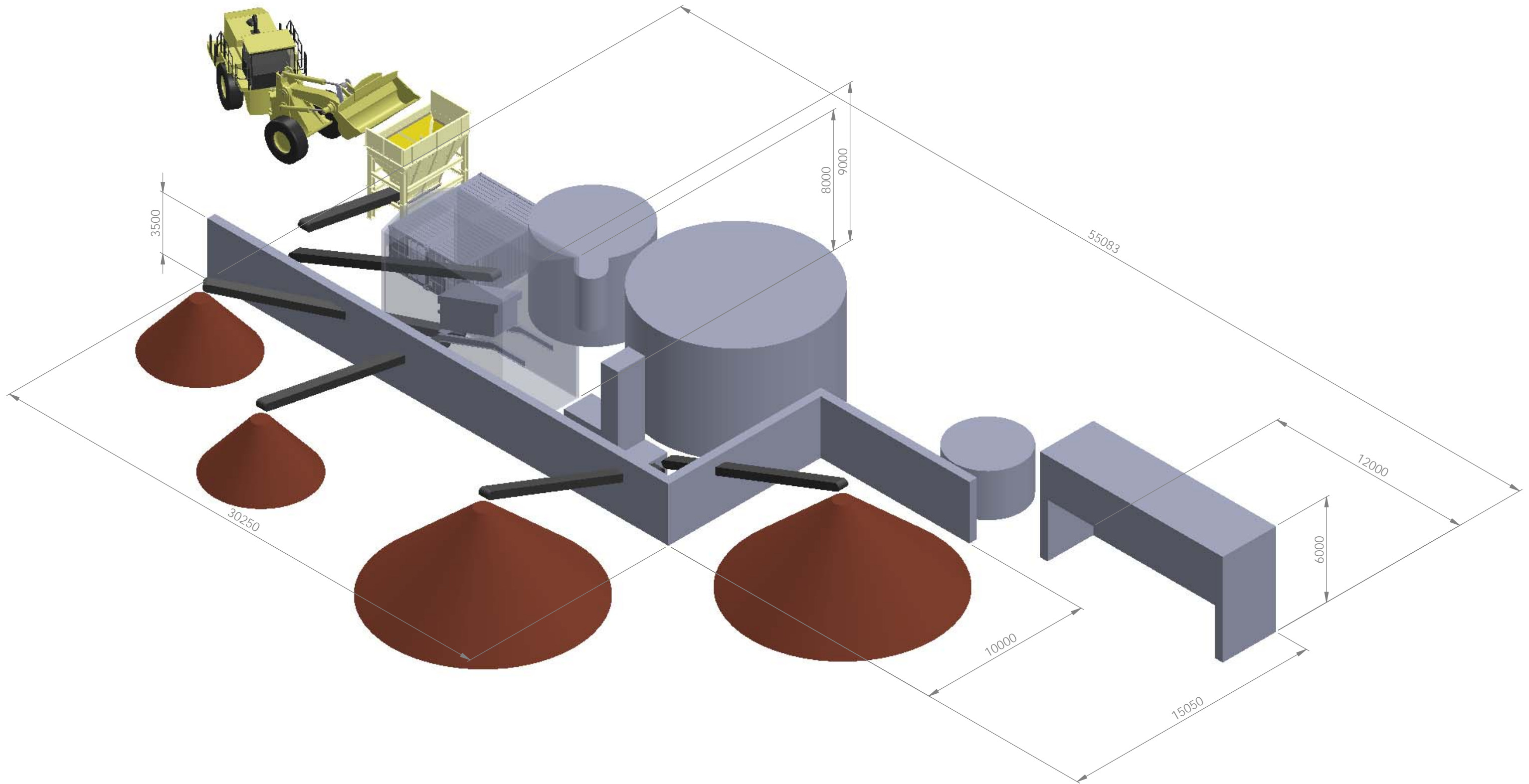


VIEW B

UNLESS OTHERWISE STATED GENERAL TOLERANCES: LINEAR 1 ± 1mm 1.0 ± 0.5mm 1.00 ± 0.05mm ANGLES ± 0°30'		<div><div>MACARTHUR Design & Drafting</div></div> MACARTHUR DESIGN & DRAFTING PTY LTD PO BOX 7011, MT ANNAN, NSW, 2567 E: info@macarthurdrafting.com.au	<div> 3rd ANGLE PROJECTION</div> <div>DRAWN BY J.MOXHAM</div>	DO NOT SCALE DRAWING	DIMENSIONS IN MILLIMETERS		SCALE : 1:200	
					CLIENT: CONCRETE RECYCLERS			
				DATE 04/05/2015	TITLE: Washing Plant			
CHECKED	DATE	THIS DRAWING IS CONFIDENTIAL. BOTH IT AND THE COPYRIGHT IN THE DRAWING ARE THE PROPERTY OF MACARTHUR DESIGN & DRAFTING PTY LTD AND MAY NOT BE REPRODUCED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF THE OWNER.	UNLESS OTHERWISE STATED: 3.2 SURFACE FINISH 		Part No.: 1509 - Washing Plant			
APPROVED	DATE		MATERIAL: VARIOUS		DRAWING No.		REVISION	SHEET SIZE
			THICKNESS:		1509 - 0001		J	A3
			WEIGHT: 1556498.41 Kg					
			DRAFTING STANDARD: AS 1100		REF Drawing:		SHEET No.	9 of 13




<div>UNLESS OTHERWISE STATED GENERAL TOLERANCES: LINEAR 1 ± 1mm 1.0 ± 0.5mm 1.00 ± 0.05mm ANGLES ± 0°30'</div>		<div><div>MACARTHUR Design & Drafting</div><div>MACARTHUR DESIGN & DRAFTING PTY LTD PO BOX 7011, MT ANNAN, NSW, 2567 E: info@macarthurdrafting.com.au</div></div>		<div><div>3rd ANGLE PROJECTION</div></div> <div>DRAWN BY J.MOXHAM</div>		<div>DO NOT SCALE DRAWING</div> <div>DATE 04/05/2015</div>		<div>DIMENSIONS IN MILLIMETERS</div> <div>SCALE : 1:175</div>	
						CLIENT: CONCRETE RECYCLERS			
						TITLE: Minto Site Layout			
CHECKED	DATE	<div>THIS DRAWING IS CONFIDENTIAL. BOTH IT AND THE COPYRIGHT IN THE DRAWING ARE THE PROPERTY OF MACARTHUR DESIGN & DRAFTING PTY LTD AND MAY NOT BE REPRODUCED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF THE OWNER.</div>		UNLESS OTHERWISE STATED: 3.2 SURFACE FINISH ✓		Part No.: 1509 - Crushing Plant			
APPROVED	DATE			MATERIAL: VARIOUS		DRAWING No.		REVISION	SHEET SIZE
				THICKNESS:		1509 - 0001		J	A3
				WEIGHT: 3505210.41 Kg					
				DRAFTING STANDARD: AS 1100		REF Drawing:		SHEET No. 10 of 13	



UNLESS OTHERWISE STATED:
GENERAL TOLERANCES:
LINEAR
1 ± 1mm
1.0 ± 0.5mm
1.00 ± 0.05mm
ANGLES ± 0°30'

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E: info@macarthurdrafting.com.au


3rd ANGLE
PROJECTION
DRAWN BY
J.MOXHAM

**DO NOT
SCALE
DRAWING**
DATE
04/05/2015

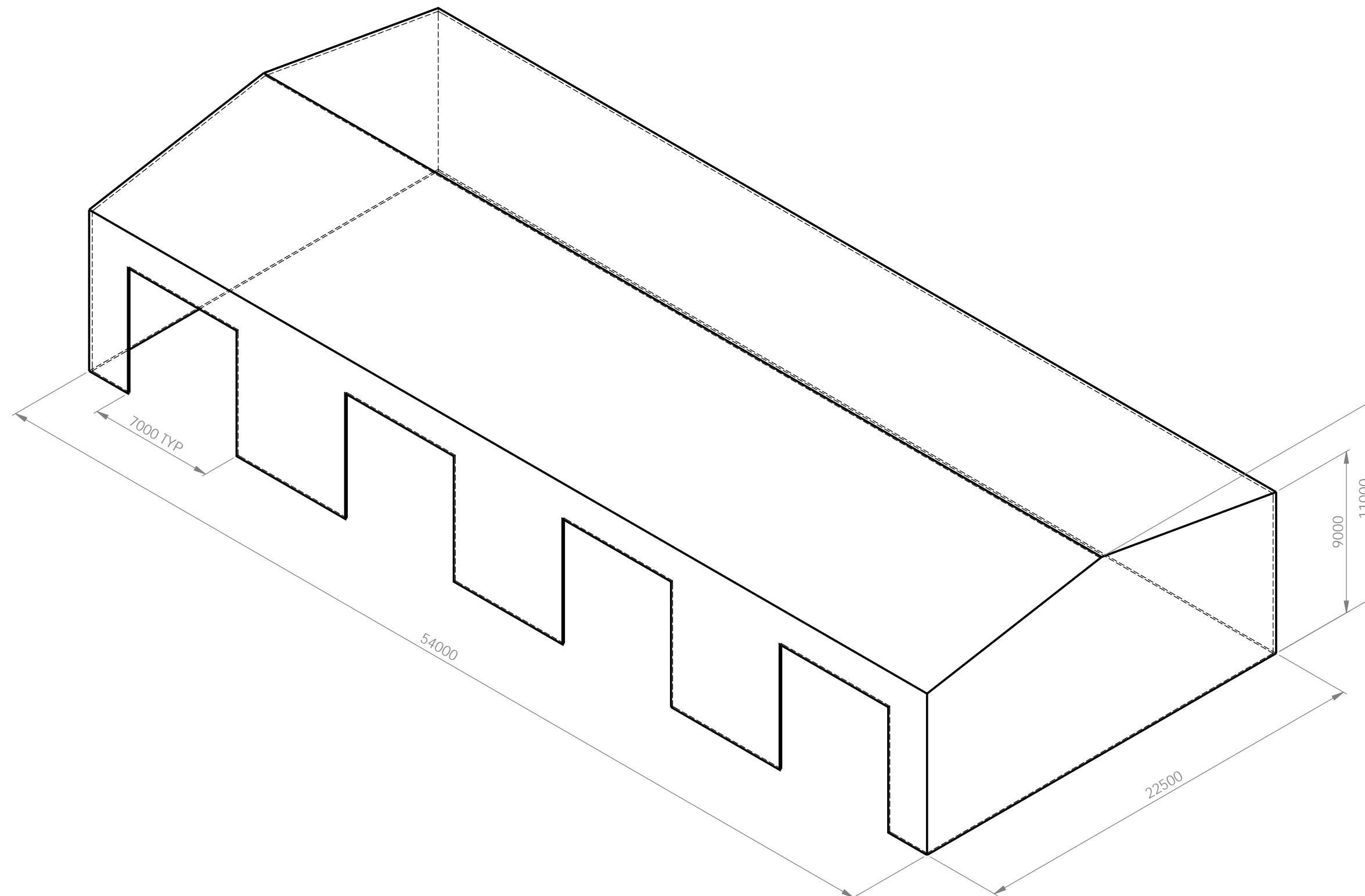
DIMENSIONS IN MILLIMETERS **SCALE : 1:175**
CLIENT:
CONCRETE RECYCLERS
TITLE:
Washing Plant

CHECKED	DATE
APPROVED	DATE

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WRITTEN CONSENT OF THE OWNER.

UNLESS OTHERWISE STATED: 3.2
SURFACE FINISH ✓
MATERIAL: VARIOUS
THICKNESS:
WEIGHT: 1556498.41 Kg
DRAFTING
STANDARD: **AS 1100**

Part No.: 1509 - Washing Plant		REVISION	SHEET SIZE
DRAWING No. 1509 - 0001		J	A3
REF Drawing:		SHEET No.	11 of 13



UNLESS OTHERWISE STATED
GENERAL TOLERANCES:
LINEAR
1 ± 1mm
1.0 ± 0.5mm
1.00 ± 0.05mm
ANGLES ± 0°30'

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3rd ANGLE
PROJECTION
DRAWN BY
J.MOXHAM

DO NOT
SCALE
DRAWING

DATE
04/05/2015

DIMENSIONS IN MILLIMETERS SCALE : 1:200

CLIENT:
CONCRETE RECYCLERS

TITLE:

CHECKED

DATE

APPROVED

DATE

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OTHERWISE USED WITHOUT THE
WRITTEN CONSENT OF THE OWNER.

UNLESS OTHERWISE STATED: 3.2/
SURFACE FINISH

MATERIAL: VARIOUS

THICKNESS:

WEIGHT: 244190.78 Kg

DRAFTING
STANDARD: AS 1100

Part No.:
Shed Sand Plant

DRAWING No.

1509 - 0001

REF Drawing:

REVISION

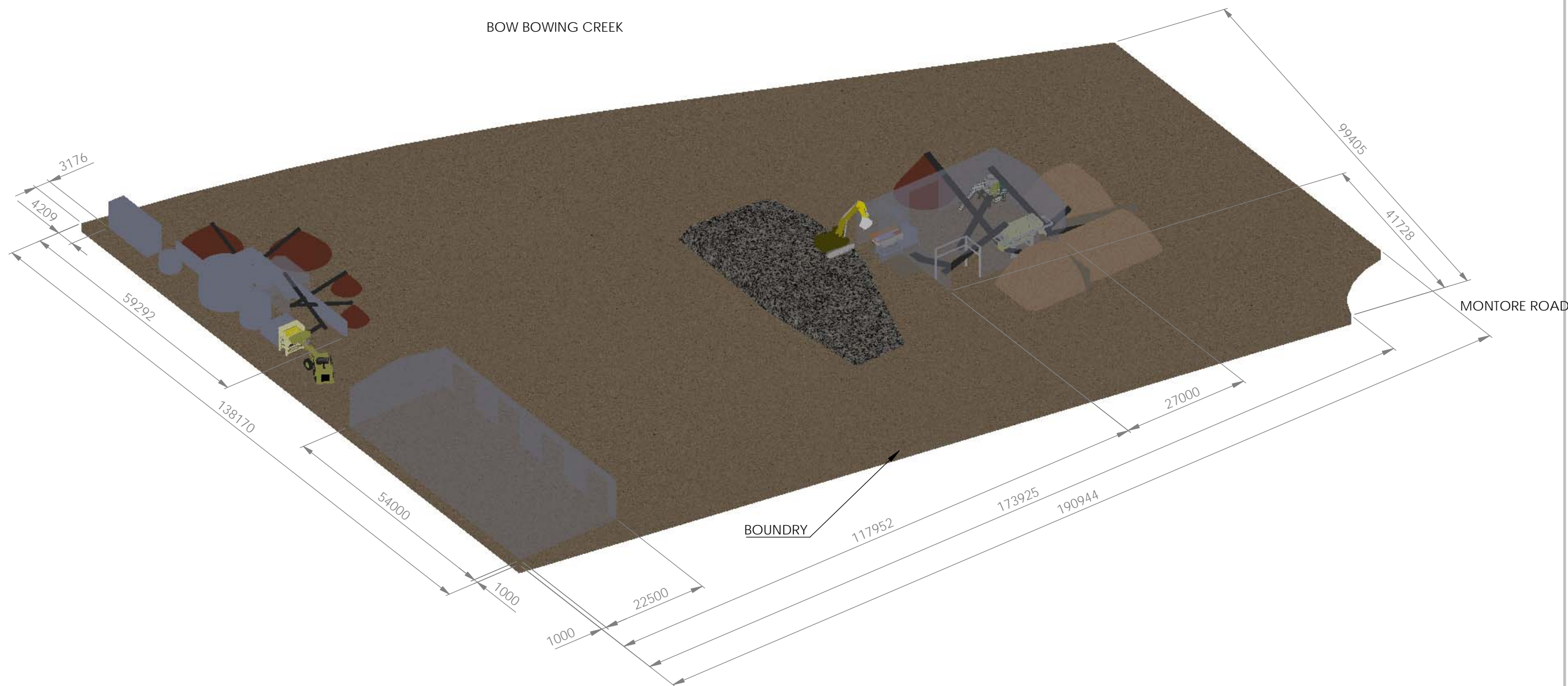
J



SHEET SIZE

A3

SHEET No.

12 of 13



UNLESS OTHERWISE STATED GENERAL TOLERANCES: LINEAR 1 ± 1mm 1.0 ± 0.5mm 1.00 ± 0.05mm ANGLES ± 0°30'		<div>MACARTHUR Design & Drafting</div> <div>MACARTHUR DESIGN & DRAFTING PTY LTD PO BOX 7011, MT ANNAN, NSW, 2567 E: info@macarthurdrafting.com.au</div>		<div> 3rd ANGLE PROJECTION</div> <div>DRAWN BY J.MOXHAM</div>		DO NOT SCALE DRAWING		DIMENSIONS IN MILLIMETERS		SCALE : 1:750	
								CLIENT: CONCRETE RECYCLERS		TITLE: Minto Site Layout	
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APPROVED	DATE			MATERIAL: VARIOUS		DRAWING No.			REVISION	SHEET SIZE	
				THICKNESS:		1509 - 0001			J	A3	
				WEIGHT: 55109797.58Kg							
				DRAFTING STANDARD: AS 1100		REF Drawing:			SHEET No. 13 of 13		