ATTACHMENT 1: DEVELOPMENT PLANS

Plan of: Staging Plan	Location: Old Punt Road Tomago	Datum: N/A	Create Date: 31st July 2013	Version: P (03/06/2014)
		Origin: N/A	Sheet: 1 of 2	Client: Tomago Aluminium Company Pty. Ltd.
		Projection: MGA (56)	Plan By: MC/ZJ	Survey: N/A
		Origin: N/A	Project Manager: AC	AutoCAD: N:\12D-238887-STAGE-PLAN-AERIAL-P
	Council: Port Stephens	North Direction: Grid	Office: Hunter	Our Ref: 238887
		Contour Interval: N/A	Plan Purpose: Staging Plan	

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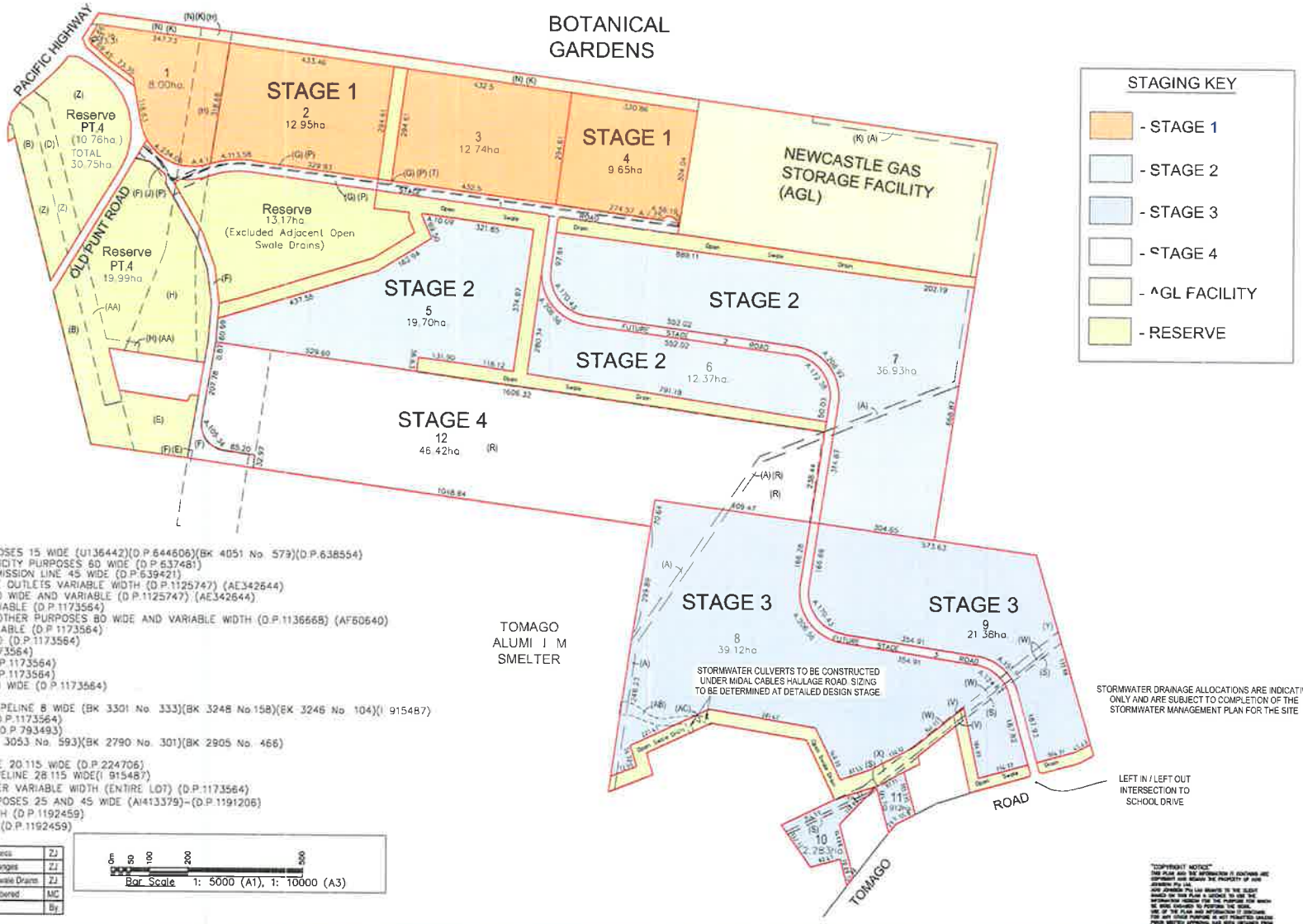

STORMWATER DRAINAGE ALLOCATIONS ARE INDICATIVE ONLY AND ARE SUBJECT TO COMPLETION OF THE STORMWATER MANAGEMENT PLAN FOR THE SITE

(A) EASEMENT FOR ELECTRICITY PURPOSES 15 WIDE (U136442)(D.P.644606)(BK 4051 No. 573)(D.P.638554)
(B) PROPOSED EASEMENT FOR ELECTRICITY PURPOSES 60 WIDE (D.P.637481)
(D) PROPOSED EASEMENT FOR TRANSMISSION LINE 45 WIDE (D.P.639421)
(E) EASEMENT FOR TRANSMISSION LINE OUTLETS VARIABLE WIDTH (D.P.1125747) (AE342644)
(F) RIGHT OF CARRIAGEWAY 8.10 & 20 WIDE AND VARIABLE (D.P.1125747) (AE342644)
(G) RIGHT OF ACCESS 30 WIDE & VARIABLE (D.P.1173564)
(H) EASEMENT FOR ELECTRICITY AND OTHER PURPOSES 80 WIDE AND VARIABLE WIDTH (D.P.1136668) (AF60640)
(J) RIGHT OF ACCESS 20 WIDE & VARIABLE (D.P.1173564)
(K) RESTRICTION ON THE USE OF LAND (D.P.1173564)
(L) RIGHT OF ACCESS 15 WIDE (D.P.1173564)
(M) RESTRICTION ON USE OF LAND (D.P.1173564)
(N) RESTRICTION ON USE OF LAND (D.P.1173564)
(P) EASEMENT FOR SERVICES 20 & 30 WIDE (D.P.1173564)
(R) SMELTER AREA
(S) EASEMENT FOR WATER SUPPLY PIPELINE 8 WIDE (BK 3301 No. 333)(BK 3248 No.158)(EK 3246 No. 104)(I 915487)
(T) EASEMENT FOR PIPELINE 3 WIDE (D.P.1173564)
(V) RIGHT OF CARRIAGEWAY 20 WIDE (D.P.793493)
(W) EASEMENT FOR WATER SUPPLY (BK 3053 No. 593)(BK 2790 No. 301)(BK 2905 No. 466) (BK 2777 No. 256)
(X) PROPOSED EASEMENT FOR PIPELINE 20.115 WIDE (D.P.224706)
(Y) EASEMENT FOR WATER SUPPLY PIPELINE 28.115 WIDE(I 915487)
(Z) EASEMENT FOR DRAINAGE OF WATER VARIABLE WIDTH (ENTIRE LOT) (D.P.1173564)
(AA) EASEMENT FOR ELECTRICITY PURPOSES 25 AND 45 WIDE (AI413379)-(D.P.1191206)
(AB) RIGHT OF ACCESS VARIABLE WIDTH (D.P.1192459)
(AC) RIGHT TO PARK VARIABLE WIDTH (D.P.1192459)

Ver	Date	Comments	By
P	03/06/2014	Add Ease for Right of Access	ZJ
N	06/05/2014	Lot Layout & Easement Changes	ZJ
M	05/05/2014	Lot Layout Changes, Additional Swale Drains	ZJ
L	17/04/2014	Lot 9 Removed Lots Renumbered	MC

Bar Scale 1: 5000 (A1), 1: 10000 (A3)

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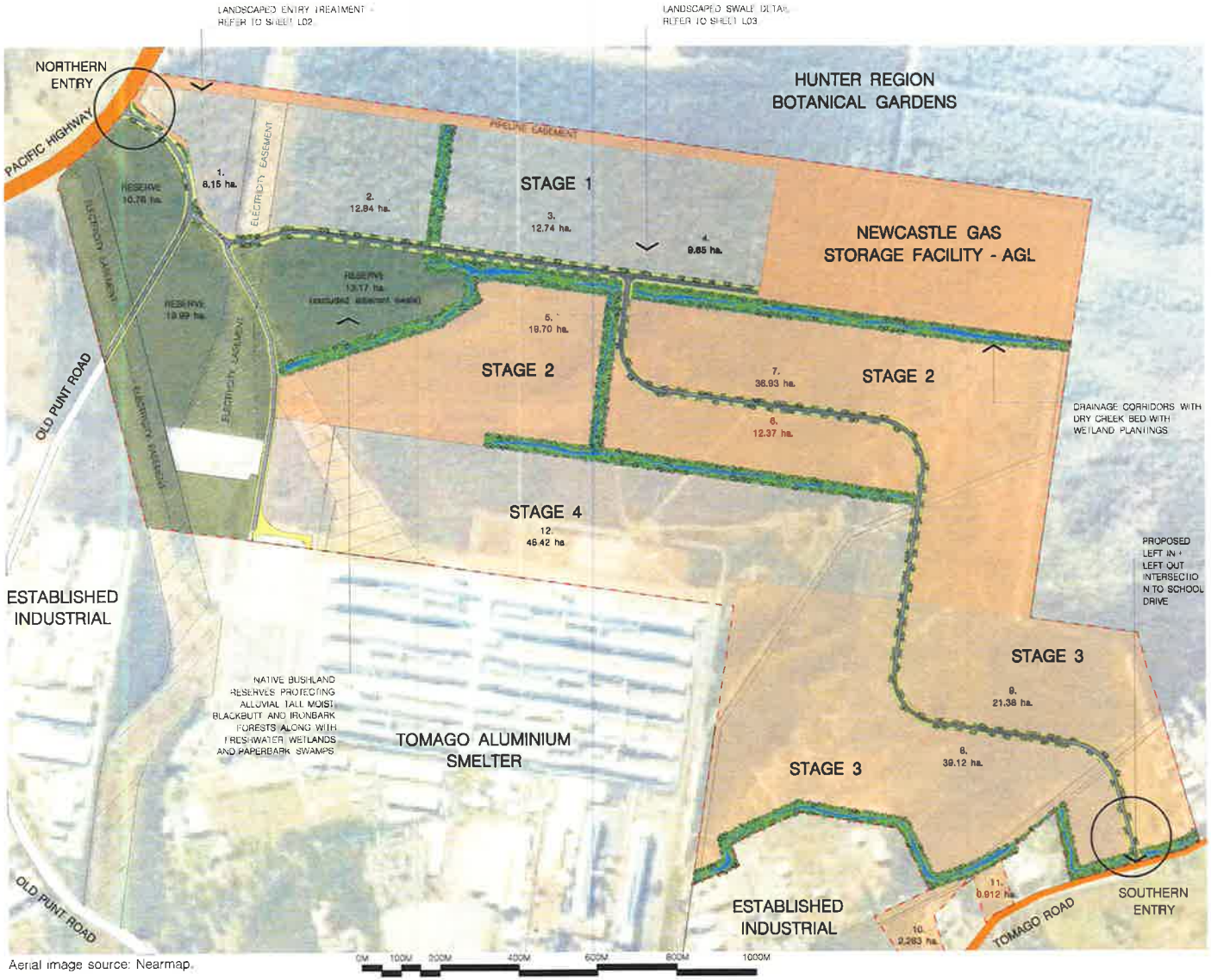
landscape site plan

Tomago Industrial Subdivision

03



Aerial image source: Nearmap.

north

LEGEND

- STREET TREES + MASS PLANTING
- TURF
- DRAINAGE CORRIDORS
- NATIVE RESERVES
- ELECTRICITY EASESMENTS

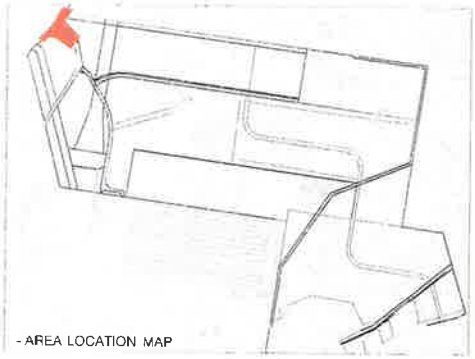
PROJECT:
TOMAGO ALUMINIUM SUBDIVISION
SITE:
OLD PUNT ROAD
TOMAGO
CLIENT:
TOMAGO ALUMINIUM COMPANY PTY LTD
DATE:
07.05.2014
JOB NUMBER:
9766
DRAWN:
BJR
SCALE:
1:5000 @A1
NO. IN SET:
4 of 8
REVISION:
A

terras
landscape architects

landscaped entry treatment

Tomago Industrial Subdivision

05



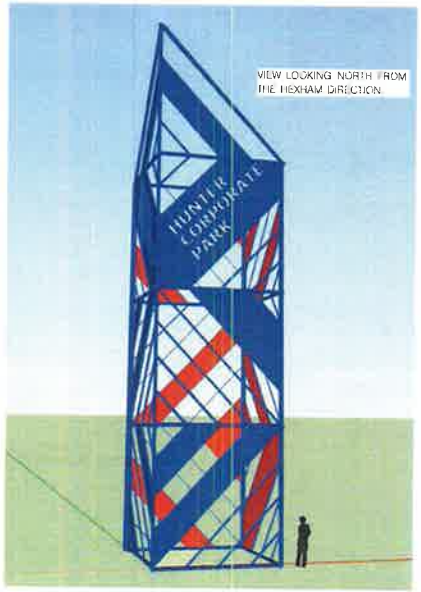
- AREA LOCATION MAP

Aerial image source: Nearmap.

north

LEGEND

- STREET TREES / MASS PLANTING
- TURF
- DRAINAGE CORRIDORS
- NATIVE RESERVES
- ELECTRICITY EASESMENTS



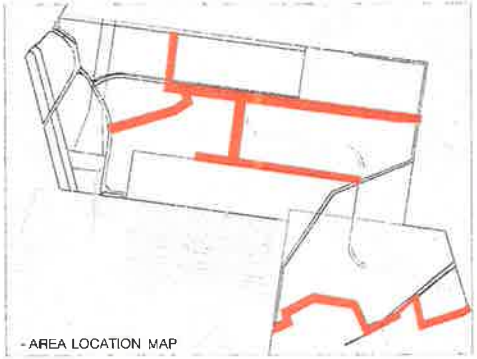
PROJECT:
TOMAGO ALUMINIUM SUBDIVISION
SITE:
OLD PUNT ROAD,
TOMAGO
CLIENT:
TOMAGO ALUMINIUM COMPANY PTY LTD
DATE:
07.05.2014
JOB NUMBER:
9766.5
DRAWN:
UZR
SCALE:
1:200 @A1
NO. IN SET:
5 of 8
REVISION:
A

terras
landscape architects

landscaped swale detail

Tomago Industrial Subdivision

06



TO OLD PUNT ROAD AND PACIFIC HIGHWAY.

CENTRAL LOW FLOW WATER LINE WITH VARIABLE WIDTH AND DEPTH.

STREET TREE PLANING ALONG ALONG PRIMARY LINK ROAD.

INDUSTRIAL SUBDIVISION LOT.

SWALE GRADIENT TO BE VARIABLE TO CREATE INTEREST AND DIVERSITY.

Aerial image source: Nearmap.

TO SCHOOL DRIVE AND TOMAGO ROAD.

TREES AND SHRUBS ON HIGHER SLOPES ONLY.

INDUSTRIAL SUBDIVISION LOT.

CENTRAL HIGH FLOW WATER LINE WITH VARIABLE WIDTH.

north

LEGEND

- STREET TREES + MASS PLANTING
- TURF
- DRAINAGE CORRIDORS
- NATIVE RESERVES
- ELECTRICITY EASESMENTS

PROJECT:
TOMAGO ALUMINIUM SUBDIVISION
SITE:
OLD PUNT ROAD
TOMAGO
CLIENT:
TOMAGO ALUMINIUM COMPANY PTY LTD
DATE:
07.05.2014
JOB NUMBER:
9766 e
DRAWN:
BJR
SCALE:
1:500 @A1
NO. IN SET:
6 of 8
REVISION:
A

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landscape architects

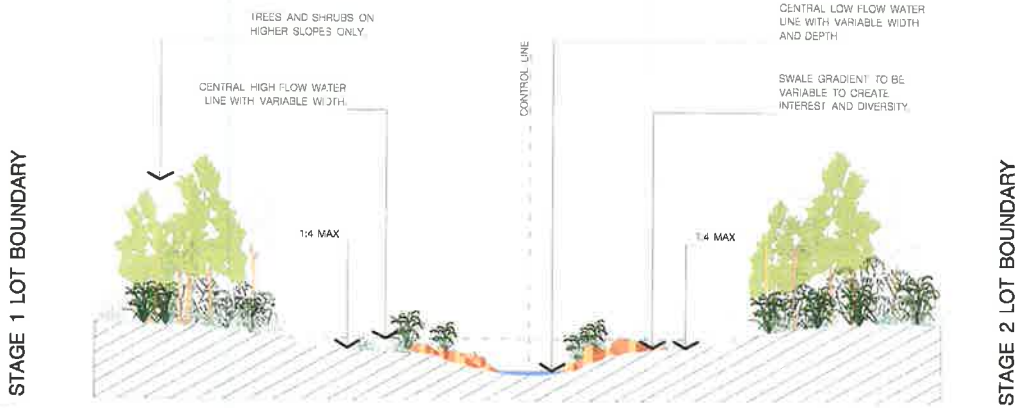
typical sections

Tomago Industrial Subdivision

07

01 TYPICAL ROADWAY SECTION

SCALE 1:100



02 TYPICAL SWALE SECTION

SCALE 1:100

PROJECT:
TOMAGO ALUMINIUM SUBDIVISION
SITE:
OLD PUNT ROAD
TOMAGO
CLIENT:
TOMAGO ALUMINIUM COMPANY PTY LTD
DATE:
07.05.2014
JOB NUMBER:
9766.5
DRAWN:
BJR
SCALE:
1:100 @A1
NO. IN SET:
7 of 8
REVISION:
A

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landscape architects

planting schedule

Tomago Industrial Subdivision

Angophora costata

Corymbia gummifera

Corymbia maculata

Eucalyptus pilularis

Eucalyptus robusta

Eucalyptus tereticornis

Melaleuca linariifolia

Melaleuca quinquenervia

Allocasuarina torulosa

Banksia aemula

Callistermon linearis

Glochidion ferdinandi

Lomandra longifolia

Leptospermum polygalifollum

Ficinia nodosa

PROJECT:
TOMAGO ALUMINIUM SUBDIVISION
SITE:
OLD PUNT ROAD,
TOMAGO
CLIENT:
TOMAGO ALUMINIUM COMPANY PTY LTD
DATE:
07 05 2014
JOB NUMBER:
9766 5
DRAWN:
BJR
SCALE:
NTS
NO. IN SET:
8 of 8
REVISION:
A

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landscape architects

238887-ENG-001

CONCEPT ENGINEERING PLANS
'PROPOSED SUBDIVISION'
OLD PUNT ROAD,
TOMAGO

LOCALITY SKETCH
N.T.S.

M.G.A

INDEX OF DRAWINGS

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238887-ENG-002	OVERALL SI E PLAN AND GENERAL NOTES
238887-ENG-003	OVERALL STORMWATER MANAGEMENT STRATEGY
238887-ENG-004	CATCHMENT PLAN
238887-ENG-005	STAGI G PLAN
238887-ENG-101	DETAI SHEET - SHEET 1 OF13
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238887-ENG-113	DETAI SHEET - SHEET 13 OF 13
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238887-ENG-801	EROSI N & SEDI ENT CONTROL PLAN
238887-ENG-802	EROSI N & SEDI ENT CONTROL DETAI S

DIAL 1100 BEFORE YOU DIG

REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M.A	Z.J	M L	A.C
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M L	C.H	M L	A.C
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M L	A.M	M L	M.K

SCALES

DESIGN FILE: n:\238887\Survey\120\238887 CVR\

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
TOMAGO ALUMI I M COMPANY PTY LTD

PROPERTY DESCRIPTION
OLD PUNT ROAD,
TOMAGO

SURVEYED

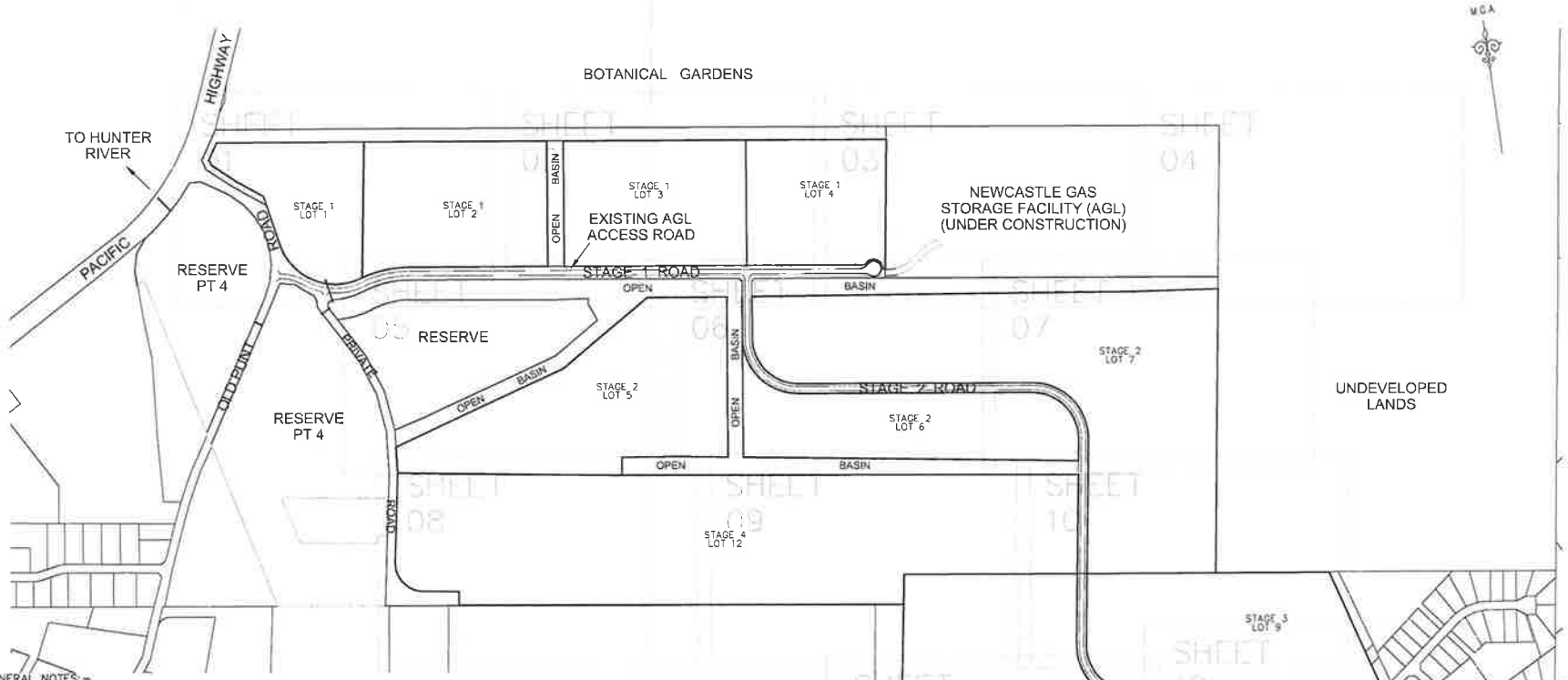
DATUM
A.H.D

PROJECT
TOMAGO

PLAN TITLE
TI LE SHEET, DRAWI G I DEX AND LOCALI Y SKETCH

PROJECT No	DISCIPLINE	NUMBER	REV
238887 -	ENG -	001	C

238887-ENG-002



GENERAL NOTES:-

1. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED PLANS, SUBJECT TO PORT STEPHENS ENGINEERING STANDARDS
2. ALL LEVELS SHALL BE OBTAINED FROM ESTABLISHED BENCHMARKS TO AUSTRALIAN HEIGHT DATUM (A.H.D.)
3. TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE RMS DOCUMENT "TRAFFIC CONTROL AT WORKSITES"
4. ALL TREES WITHIN THE ALLOTMENT AND RESERVES (OTHER THAN ROAD RESERVES) SHALL BE RETAINED, UNLESS OTHERWISE NOMINATED BY THE APPROVED LANDSCAPE PLAN. REMOVAL OF TREES FOR THE ESTABLISHED OF FIRE-BREAKS SHALL BE CARRIED OUT IN CONSULTATION WITH THE FIRE CONTROL OFFICER AND/OR COUNCIL'S ENVIRONMENTAL OFFICER
5. POINTS OF CONFLICT BETWEEN NEW CONSTRUCTION AND EXISTING UTILITY SERVICE MAINS SHALL BE IDENTIFIED, EXPOSED AND REPORTED TO THE PROJECT MANAGER PRIOR TO CONSTRUCTION. SERVICE CONDUITS SHALL BE LAID IN POSITIONS AS APPROVED BY THE RELEVANT AUTHORITY.
6. PROVISION SHOULD BE MADE FOR SUITABLE PROTECTION OF THE EXISTING ROAD PAVEMENTS, KERB AND GUTTER AND FOOTPATH FORMATION. VEHICULAR ACCESS TO ALL SERVICES TO ADJOINING PROPERTIES AFFECTED BY CONSTRUCTION WORKS, SHALL BE MAINTAINED AT ALL TIMES
7. TOPSOIL 150mm THICK SHALL BE APPLIED TO ALL FOOTPATHS AND FILLED AREAS. WHERE TURF IS NOT REQUESTED, ALL EXPOSED TOPSOIL SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF THE SOIL SPREADING OPERATION. A TURF STRIP SHALL BE PLACED ALONG EACH SIDE OF CONCRETE PATHWAYS, DRAINAGE STRUCTURES, DRIVEWAYS, PEDESTRIAN/CYCLEWAYS AND AT REAR OF ALL KERBS
8. ALL SILT CONTROL MEASURES SHALL BE PLACED PRIOR TO THE COMMENCEMENT OF EARTHWORKS. SUCH MEASURES SHALL BE SUBJECT TO FURTHER ADDITIONS, WHERE CONSIDERED NECESSARY, AS DIRECTED BY THE PROJECT MANAGER OR COUNCIL, DURING THE PROGRESSIONS OF WORKS. ALL FINAL EROSION PREVENTION MEASURES INCLUDING ESTABLISHMENT OF GRASS SHALL BE COMPLETED PRIOR TO THE "FINAL" INSPECTION
9. SUBSOIL DRAINS SHALL BE PROVIDED AS SHOWN ON PLANS. ADDITIONAL DRAINS SHALL BE PROVIDED WHERE CONSIDERED NECESSARY, BY COUNCIL OR A GEOTECHNICAL ENGINEER
10. ALL MATERIALS AND PRODUCTS FOR INSTALLATION AND CONSTRUCTION SHALL COMPLY WITH AUSTRALIAN STANDARDS. MONITORING TESTING ("STRING LINE" AND "ROLL") WHERE SPECIFIED BY COUNCIL'S MANUAL OF ENGINEERING STANDARDS, TO BE PERFORMED BY COUNCIL, SHALL BE ARRANGED 24 HOURS IN ADVANCE WHERE A COUNCIL OFFICER IS NOT AVAILABLE, A GEOTECHNICAL ENGINEER MAY PERFORM SUCH TESTS
11. ALL FILL WITHIN LOTS INCLUDING BATTERS SHALL BE PLACED IN ACCORDANCE WITH AS 3798 TO LEVEL 1 INSPECTION AND TESTING
12. PAVEMENT DESIGN HAS BEEN BASED ON SUBGRADE INVESTIGATION CARRIED OUT BY DOUGLAS PARTNERS
13. THE INSPECTION, SUPERVISION AND REPORTING REQUIREMENTS OF A SUITABLY QUALIFIED ECOLOGIST REGARDING THE REMOVAL AND RELOCATION OF ANY THREATENED FAUNA SPECIES SHALL BE UNDERTAKEN AS PER RELEVANT CONDITIONS OF CONSENT

OVERALL PLAN
SCALE 1:5000

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REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M.A.	Z.J.	M.L.	A.C.
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M.L.	G.H.	M.L.	A.C.
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M.L.	A.M.	M.L.	M.K.

SCALES: 0 100 200 A1 / A3 1:5000 / 1:10000

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adw Johnson

Central Coast
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email coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMINIUM COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD, TOMAGO

SURVEYED | DATUM: A.H.D.

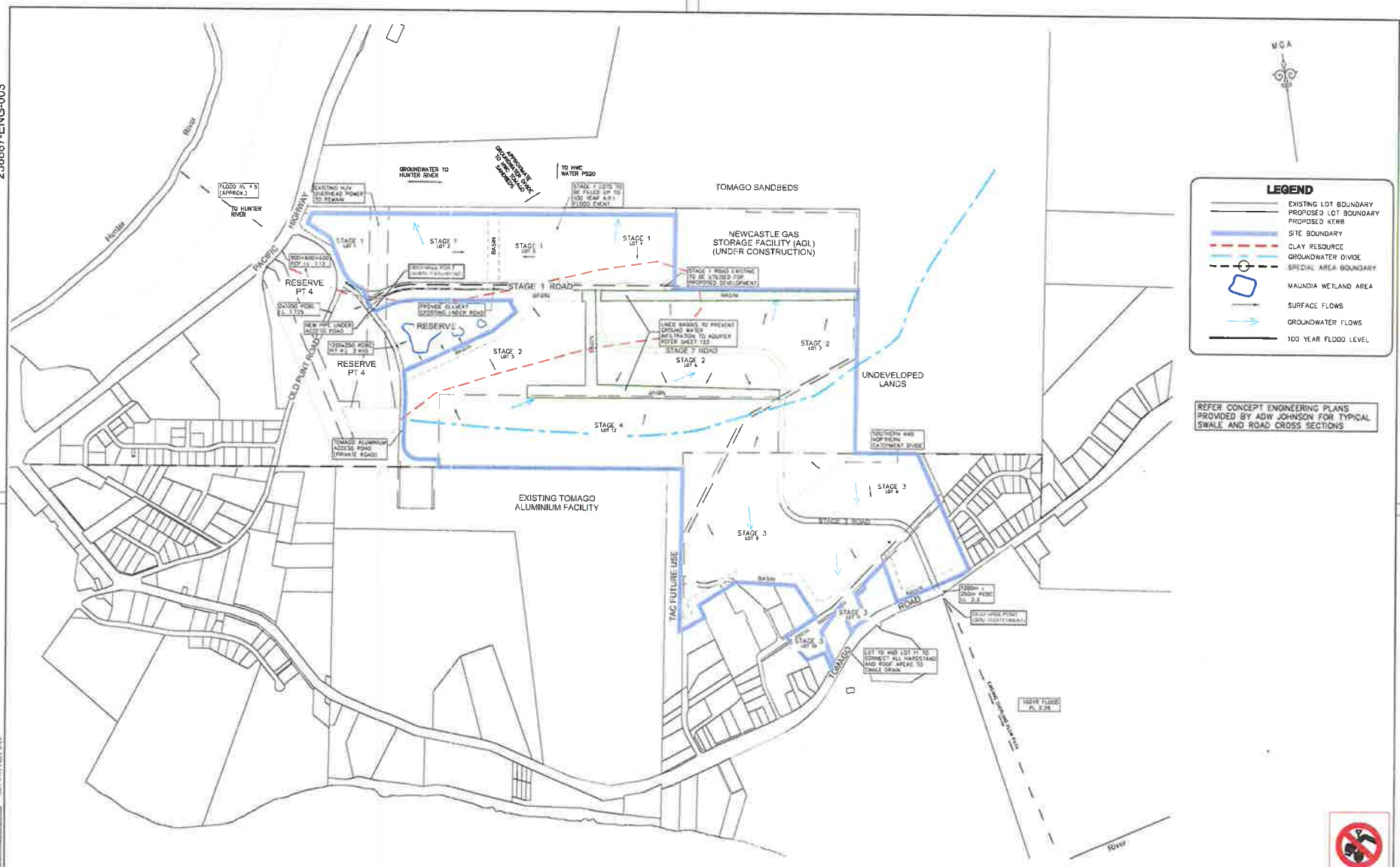
PROJECT: TOMAGO

PLAN TITLE: OVERALL SITE PLAN & GENERAL NOTES

PROJECT NO: 238887 – DESIGN: ENG – NUMBER: 002 – REV: C

Plotted By: Tanyah Plot Date: 27/03/15 – 12:16 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-002.dwg

238887-ENG-003



OVERALL PLAN

SCALE 1:7500

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B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M.L.	G.H	M.L	A.C
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M.L.	A.M	M.L	M.K

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email coast@adwjohnson.com.au
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ABN 62 129 445 398

CLIENT: TOMAGO ALUMINIUM COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD TOMAGO

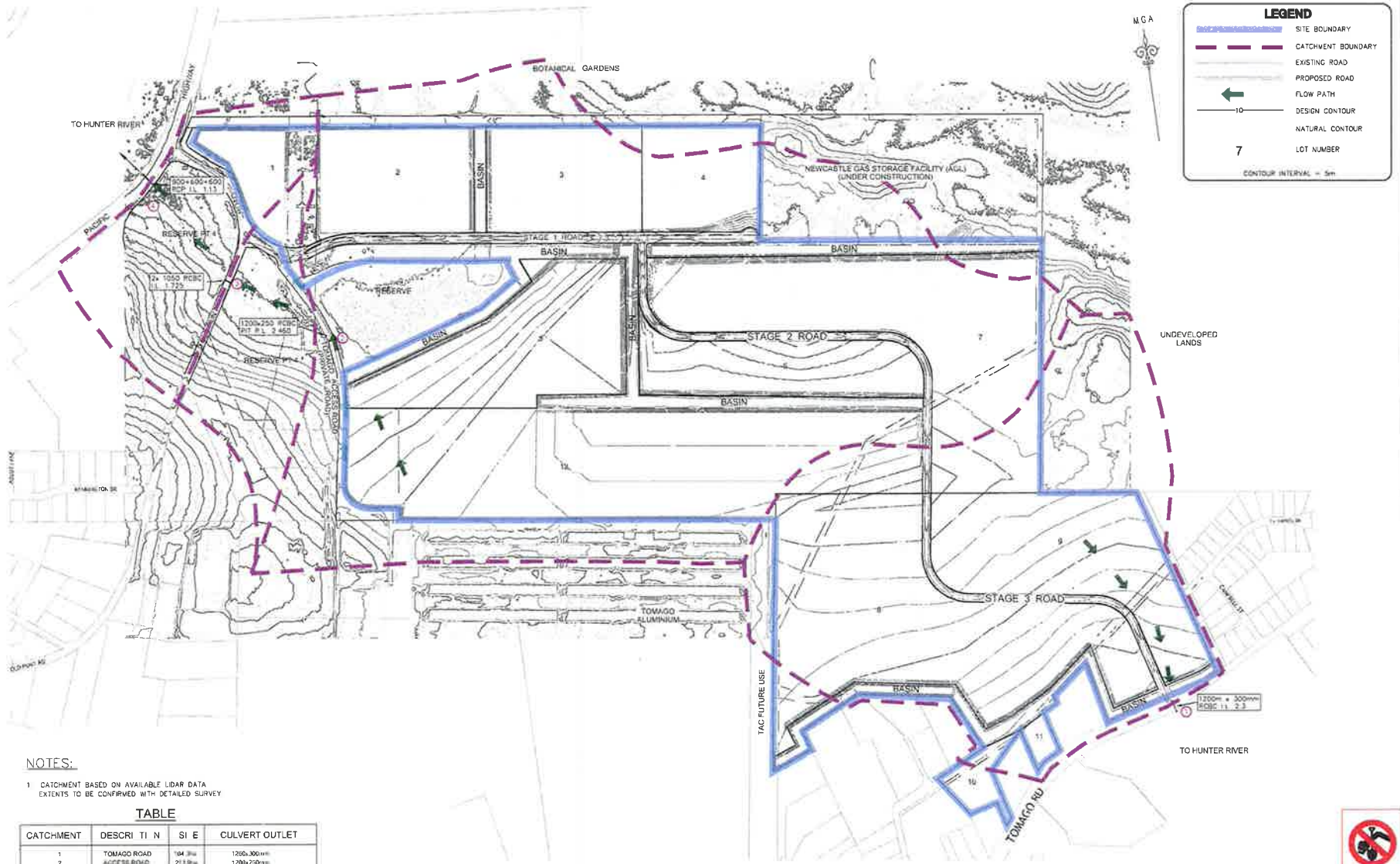
SURVEYED: DATUM: AHD

PROJECT: TOMAGO

PLAN TITLE: OVERALL STORMWATER MANAGEMENT STRATEGY

PROJECT No.	DISCIPLINE	NUMBER	REV
238887	ENG	003	C

238887-ENG-004



NOTES:

1 CATCHMENT BASED ON AVAILABLE LIDAR DATA
EXTENTS TO BE CONFIRMED WITH DETAILED SURVEY

TABLE

CATCHMENT	DESCRI TI N	SI E	CULVERT OUTLET
1	TOMAGO ROAD	104.3ha	1200x300mm
2	ACCESS ROAD	21.3ha	1200x250mm
3	OLD PUNT ROAD	13.4ha	2x1050mm
4	PACIFIC HI HWAY	28.5ha	2x1050mm

REFER TO SWMP REPORT FOR FURTHER DETAILS

PLAN
SCALE 1:5000

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03 06 14	INITIAL ISSUE	M A	Z J	M L	A C
B	24 10 14	AMENDED AS PER COUNCIL COMMENTS	M L	G H	M L	A C
C	24 03 15	AMENDED AS PER COUNCIL COMMENTS	M L	A M	M L	M K

SCALES: 0 100 200 A1 / A3 1:5000 / 1:10000

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email: ccs@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMI I M COMPANY PTY LTD

PROPERTY DESCRI TI N: OLD PUNT ROAD, TOMAGO

SURVEYED | DATUM: A.H.D

PROJECT: TOMAGO

PLAN TI E: CATCHMENT PLAN

PROJECT No	D CI LINE	NUMBER	REV.
238887	ENG	004	C

238887-ENG-005

OVERALL PLAN
SCALE 1:5000

DIAL 1100 BEFORE YOU DIG

REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03 06 14	INITIAL ISSUE	M A	Z J	M L	A C
B	24 10 14	AMENDED AS PER COUNCIL COMMENTS	M L	G H	M L	A C
C	24 03 15	AMENDED AS PER COUNCIL COMMENTS	M L	A M	M L	M K

SCALES: 0 100 200 A1 / A3 1:5000 / 1:10000

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Plotted By: tanym Plot Date: 27/03/15 - 12:16 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-005.dwg

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ABN 62 129 445 398

CLIENT: TOMAGO ALUMINIUM COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD, TOMAGO

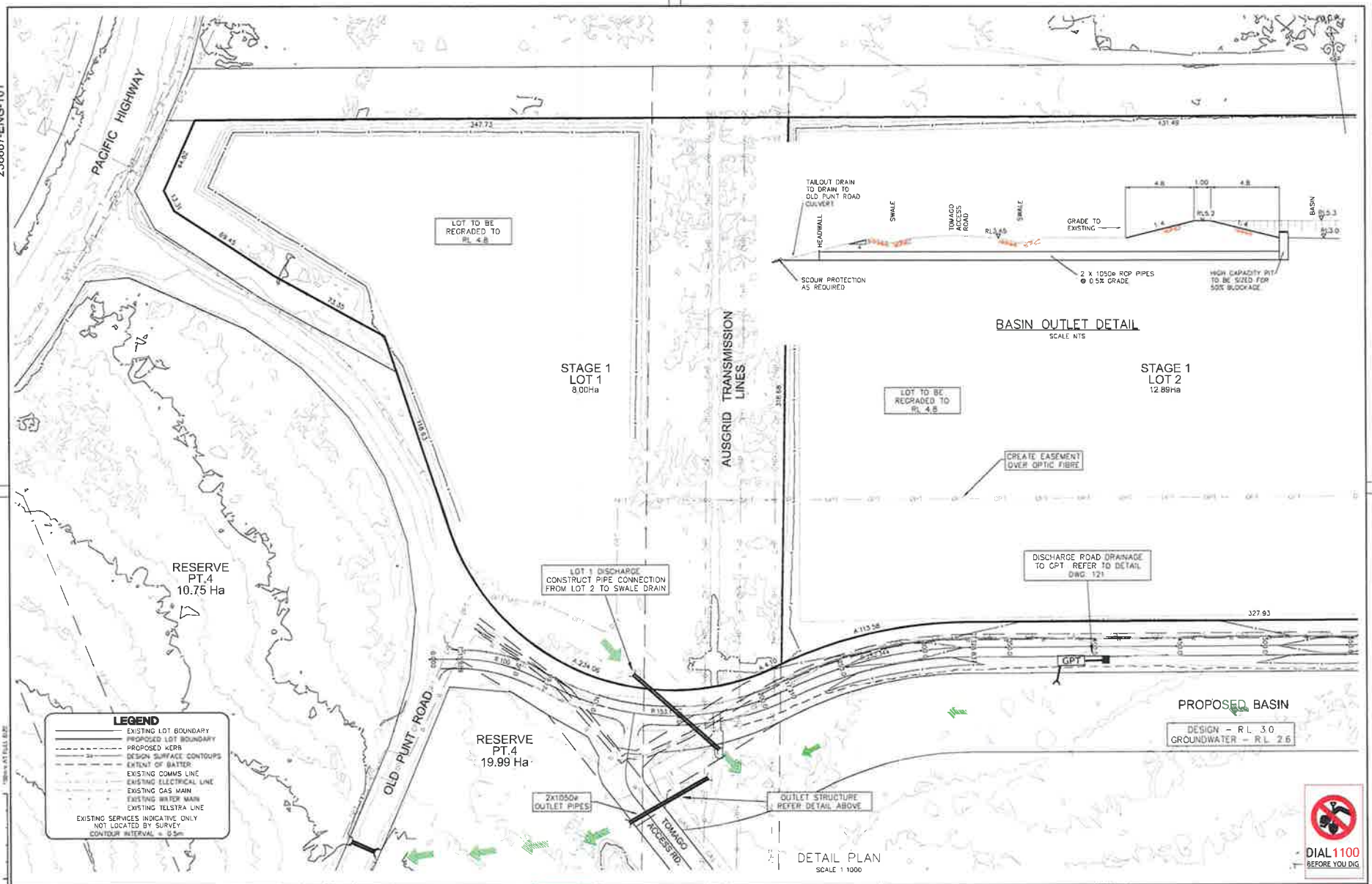
SURVEYED | DATUM: AHD

PROJECT: TOMAGO

PLAN TITLE: STAGING PLAN

PROJECT No.	DISCIPLINE	NUMBER	REV.
238887	ENG	005	C

238887-ENG-101



REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M.A.	Z.J.	M.L.	A.C.
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M.L.	G.H.	M.L.	A.C.
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M.L.	A.M.	M.L.	M.K.

SCALES: A1 1:1000 / A3 1:2000

ALL DIMENSIONS ARE IN METRES — DO NOT SCALE

adw Johnson

Central east
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email ceast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMI I M COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD, TOMAGO

SURVEYED: | DATUM: A.H.D.

PROJECT: TOMAGO

PLAN TITLE: DETAIL PLAN SHEET 1 OF 13

PROJECT No.	DISCIPLINE	NUMBER	REV
238887	ENG	101	C

DESIGN FILE: \\238887\Survey\100\238887 CV\

Plotted By: tonym Plot Date: 27/03/15 - 12:16 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-101.dwg

238887-ENG-102

BOTANICAL GARDENS

LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED KERB
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- EXISTING COMMS LINE
- EXISTING ELECTRICAL LINE
- EXISTING GAS MAIN
- EXISTING WATER MAIN
- EXISTING TELSTRA LINE

EXISTING SERVICES INDICATIVE ONLY. NOT LOCATED BY SURVEY

CONTOUR INTERVAL = 0.5m

M.C.A

DIAL 1100 BEFORE YOU DIG

430.50

330.86

TOP OF BANK RL 7.2

RL 7.1

RL 7.3

RL 5.3

RL 3.0

RL 5.0

1:4

1:8

1:4

1200ø RCP PIPE

SCOUR PROTECTION AS REQUIRED

HIGH CAPACITY PIT TO BE SIZED FOR 50% BLOCKAGE

DETAIL OF CONTROL SPILLWAY

SCALE 1:100 NATURAL

WATER QUALITY SWALE

WATER QUALITY SWALE

PROPOSED BASIN

STAGE 1
LOT 2
12.89Ha

STAGE 1
LOT 3
12.68Ha

STAGE 1
LOT 4
9.65Ha

294.61

DESIGN – RL 3.0
GROUNDWATER – RL 2.1

4m WIDE ACCESS TRACK

4m WIDE ACCESS TRACK

CREATE EASEMENT OVER OPTIC FIBRE

OUTLET STRUCTURE REFER DETAIL ABOVE

430.50

274.57

GPT

GPT

DESIGN – RL 3.0
GROUNDWATER – RL 2.6

PROPOSED BASIN

PROPOSED BASIN

PROPOSED BASIN (LINED)

187.57

DETAIL PLAN

SCALE 1:1000

REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M.A.	Z.J.	M.L.	A.C.
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M.L.	D.H.	M.L.	A.C.
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M.L.	A.M.	M.L.	M.K.

SCALES: 0 10 20 30 40 A1 / A3 1:1000 / 1:2000

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

DESIGN FILE: H:\238887\Surveying\120\238887.DGN

Plotted By: tonym Plot Date: 27/03/15 – 12:18 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-102.dwg

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ABN: 52 129 445 398

CLIENT: TOMAGO ALUMI I M COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD TOMAGO

SURVEYED

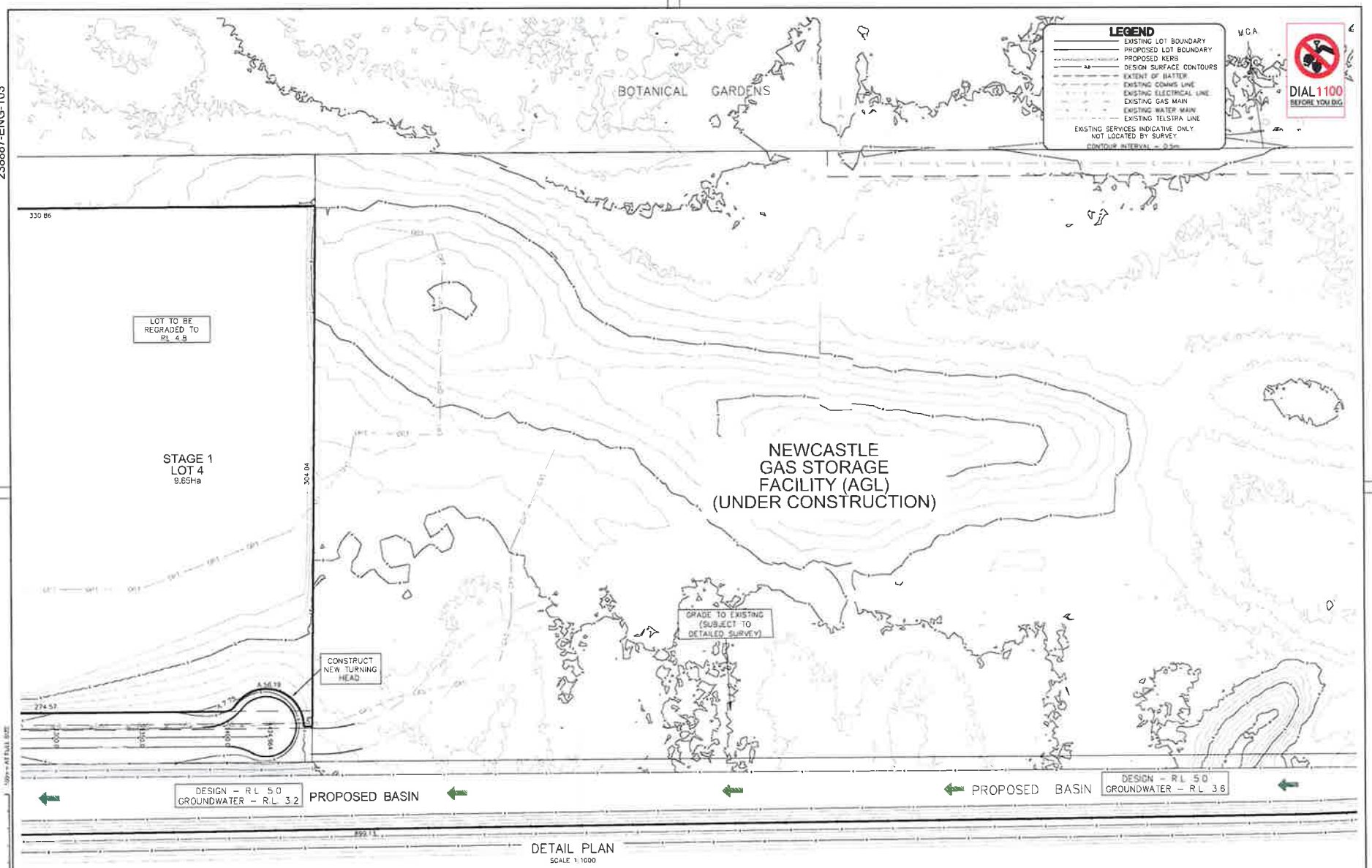
DATUM: A.H.D.

PROJECT: TOMAGO

PLAN TITLE: DETAI PLAN SHEET 2 OF 13

PROJECT No.	DISCIPLINE	NUMBER	REV
238887	ENG	102	C

238887-ENG-103



REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M.A.	Z.J.	M.L.	A.C.
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M.L.	G.H.	M.L.	A.C.
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M.L.	A.M.	M.L.	M.K.

SCALES: 0 10 20 30 40 A1 / A3 1:1000 / 1:2000

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

DESIGN FILE: N:\238887\Surveying\120\238887 DVR\

Plotted By: tonym Plot Date: 27/03/15 - 12:16 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-103.dwg

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMI I M COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD, TOMAGO

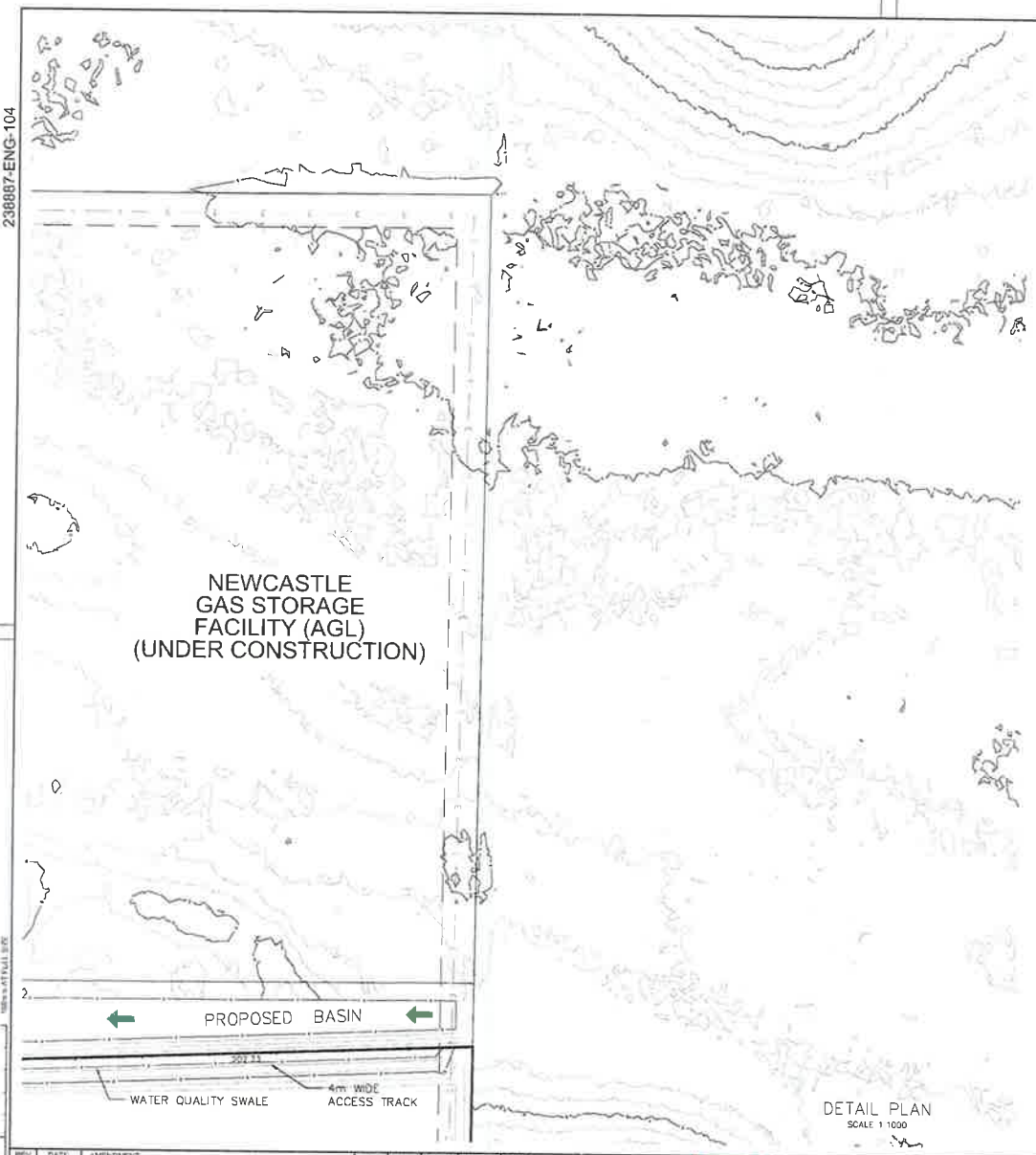
PROJECT: TOMAGO

PLAN TITLE: DETAIL PLAN SHEET 3 OF 13

SURVEYED: DATUM: A.H.D.

PROJECT No. 238887 - DRAWING No. ENG - NUMBER 103 REV C

238887-ENG-104



DETAIL PLAN
SCALE 1:1000

LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED KERB
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- EXISTING COMMS LINE
- EXISTING ELECTRICAL LINE
- EXISTING GAS MAIN
- EXISTING WATER MAIN
- EXISTING TELSTRA LINE

EXISTING SERVICES INDICATIVE ONLY
NOT LOCATED BY SURVEY
CONTOUR INTERVAL = 0.5m

MGA

DIAL 1100 BEFORE YOU DIG

REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M A	Z J	M L	A C
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M L	G H	M L	A C
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M L	A M	M L	M K

SCALES: 0 10 20 30 40 A1 / A3 1:1000 / 1:2000

ALL DIMENSIONS ARE IN METRES DO NOT SCALE

DESIGN FILE: H:\238887\Survey\120\238887.DWG

Plotted By: tonym Plot Date: 27/03/15 - 12:18 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-104.dwg

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMINIUM COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD, TOMAGO

PROJECT: TOMAGO

PLAN TITLE: DETAIL PLAN
SHEET 4 OF 13

SURVEYED: DATUM: AHD

PROJECT No. 238887 - DISCIPLINE ENG - NUMBER 104 REV C

238887-ENG-105

DIAL 1100 BEFORE YOU DIG

PROPOSED BASIN

DESIGN – R.L. 3.0
GROUNDWATER – R.L. 2.6

DESIGN – R.L. 3.0
GROUNDWATER – R.L. 2.6

PROPOSED BASIN

RESERVE
10.74 Ha

MAUNDIA WETLAND AREAS

MAUNDIA WETLAND AREAS

DESIGN – R.L. 3.0
GROUNDWATER – R.L. 2.1

WATER QUALITY BASIN

4m WIDE ACCESS TRACK

PROPOSED BASIN

STAGE 2
LOT 5
19.53Ha

DESIGN – R.L. 3.0
GROUNDWATER – R.L. 2.0

INDICATIVE DISCHARGE LOCATION

DESIGN – R.L. 5.2
GROUNDWATER – R.L. 5.0

M.G.A.

LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED KERB
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- EXISTING COMMS LINE
- EXISTING ELECTRICAL LINE
- EXISTING GAS MAIN
- EXISTING WATER MAIN
- EXISTING TELSTRA LINE

EXISTING SERVICES INDICATIVE ONLY
NOT LOCATED BY SURVEY
CONTOUR INTERVAL = 0.5m

DETAIL PLAN
SCALE 1:1000

REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M.A.	Z.J.	M.L.	A.C.
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M.L.	G.H.	M.L.	A.C.
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M.L.	A.M.	M.L.	M.K.

SCALES: 0 10 20 30 40 A1 / A3 1:1000 / 1:2000

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

adw johnson
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www.adwjohnson.com.au
ABN 52 129 445 398

CLIENT: TOMAGO ALUMINIUM COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD, TOMAGO

PROJECT: TOMAGO

PLAN TITLE: DETAIL PLAN SHEET 5 OF 13

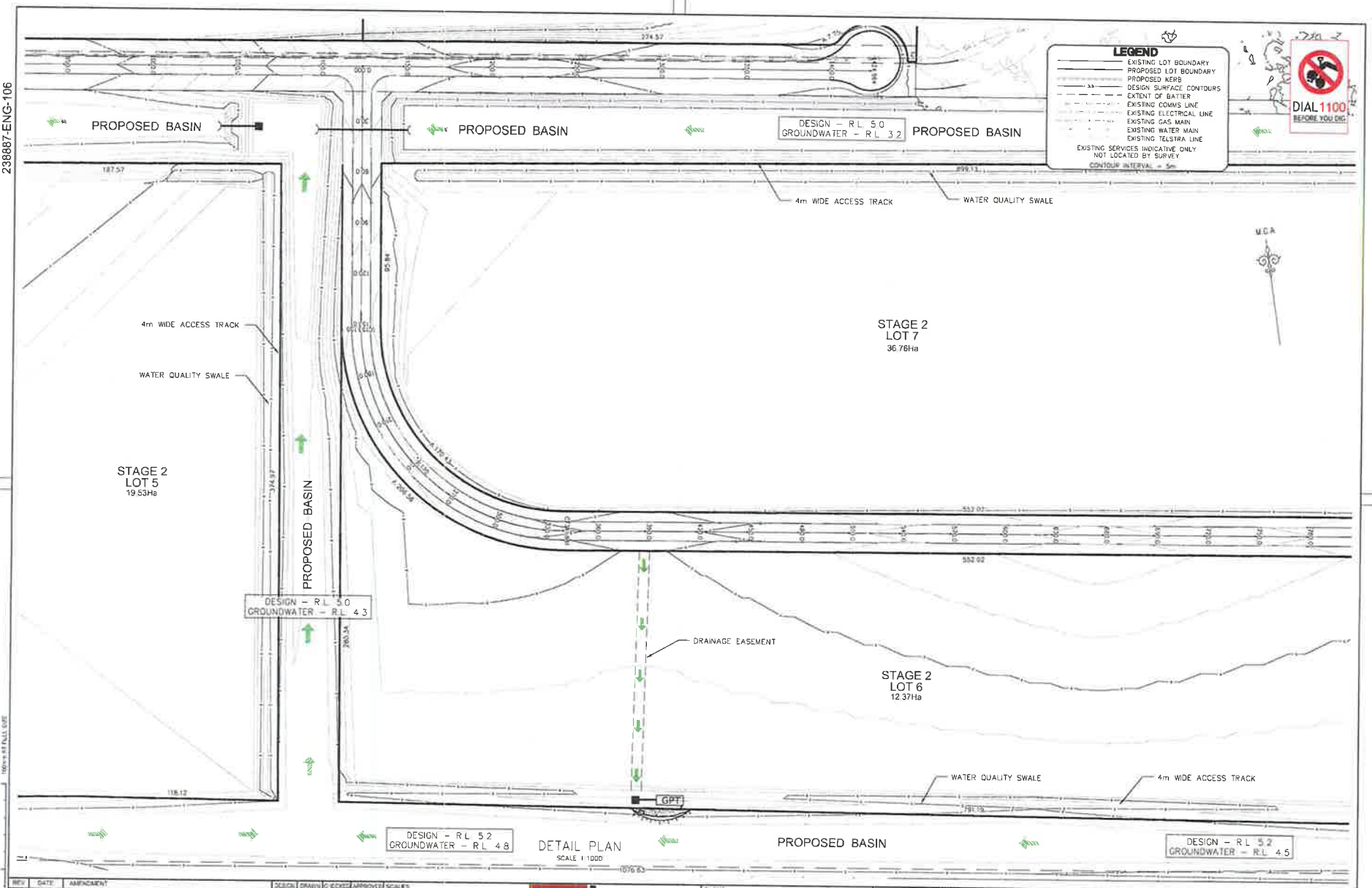
SURVEYED: DATUM: AHD

PROJECT No 238887 – DRAWING ENG – NUMBER 105 REV C

DESIGN FILE: \238887\Surveying\120\238887 DVP\

Plotted By: lorryn Plot Date: 27/03/15 – 12:18 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-105.dwg

238887-ENG-106



REV	DATE	AMENDEMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M.A.	Z.J.	M.L.	A.C.
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M.L.	G.H.	M.L.	A.C.
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M.L.	A.M.	M.L.	M.K.

SCALES: 0 10 20 30 40 — A1 / A3 1:1000 / 1:2000

ALL DIMENSIONS ARE IN METRES — DO NOT SCALE

DESIGN FILE: N:\238887\Surveying\120\238887.CUP\

Plotted By: tanym Plot Date: 27/03/15 – 12:18 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-106.dwg

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ABN 63 129 445 398

CLIENT: TOMAGO ALUMI I M COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD TOMAGO

SURVEYED

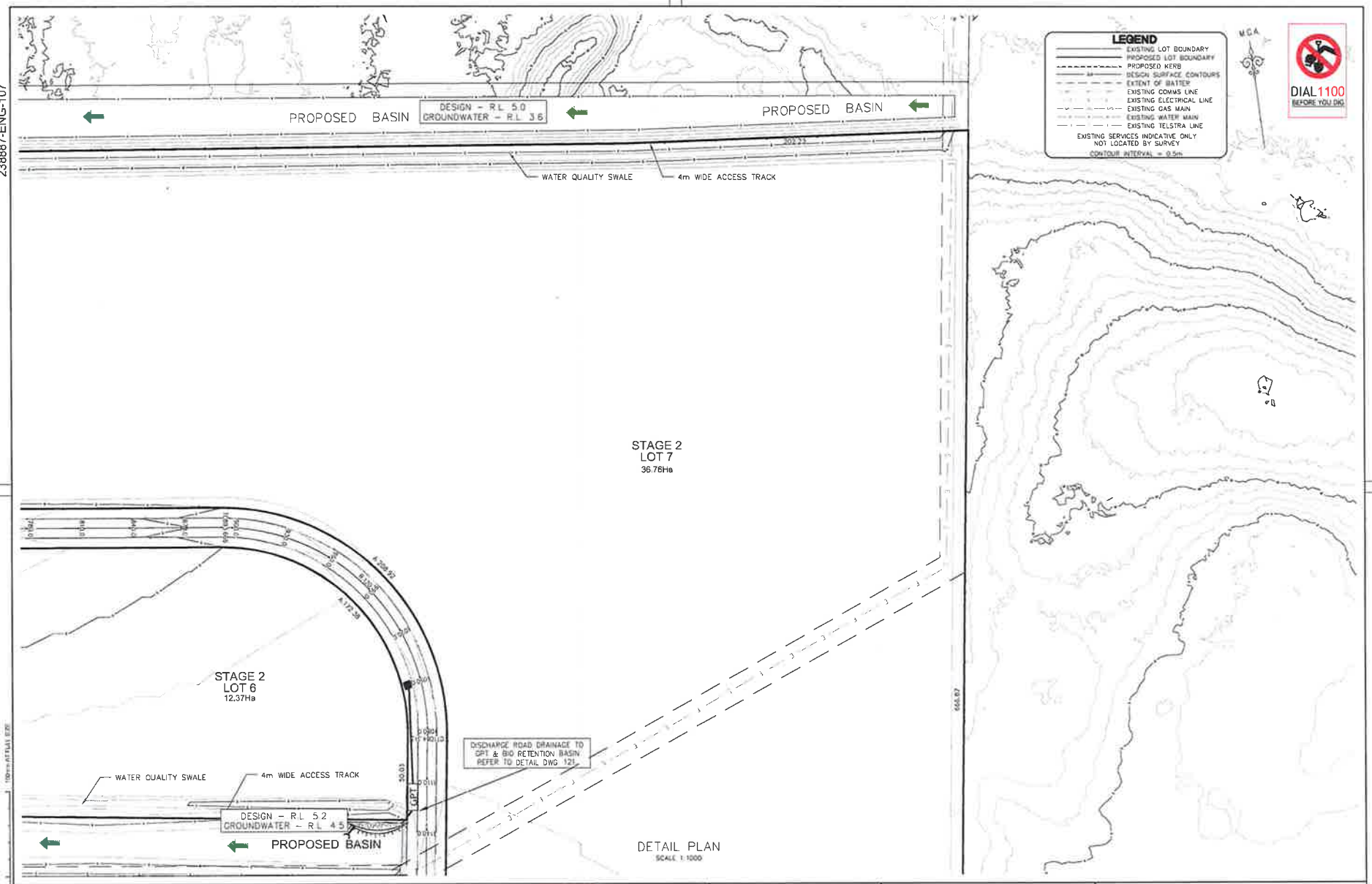
DATUM: AHD

PROJECT: TOMAGO

PLAN TITLE: DETAIL PLAN SHEET 6 OF 13

PROJECT No.	DISCIPLINE	NUMBER	REV
238887	ENG	106	C

238887-ENG-107



REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M.A.	Z.J	M.L.	A.C
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M.L.	G.H	M.L.	A.C
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M.L.	A.M	M.L.	M.K

SCALE(S): 0 10 20 30 40 A1 / A3 1:1000 / 1:2000

ALL DIMENSIONS ARE IN METRES DO NOT SCALE

DESIGN FILE: H:\238887\Surveying\120\238887.DWG

Plotted By: tanym Plot Date: 27/03/15 - 12:16 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-107.dwg

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 52 129 445 398

CLIENT: TOMAGO ALUMI I M COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD, TOMAGO

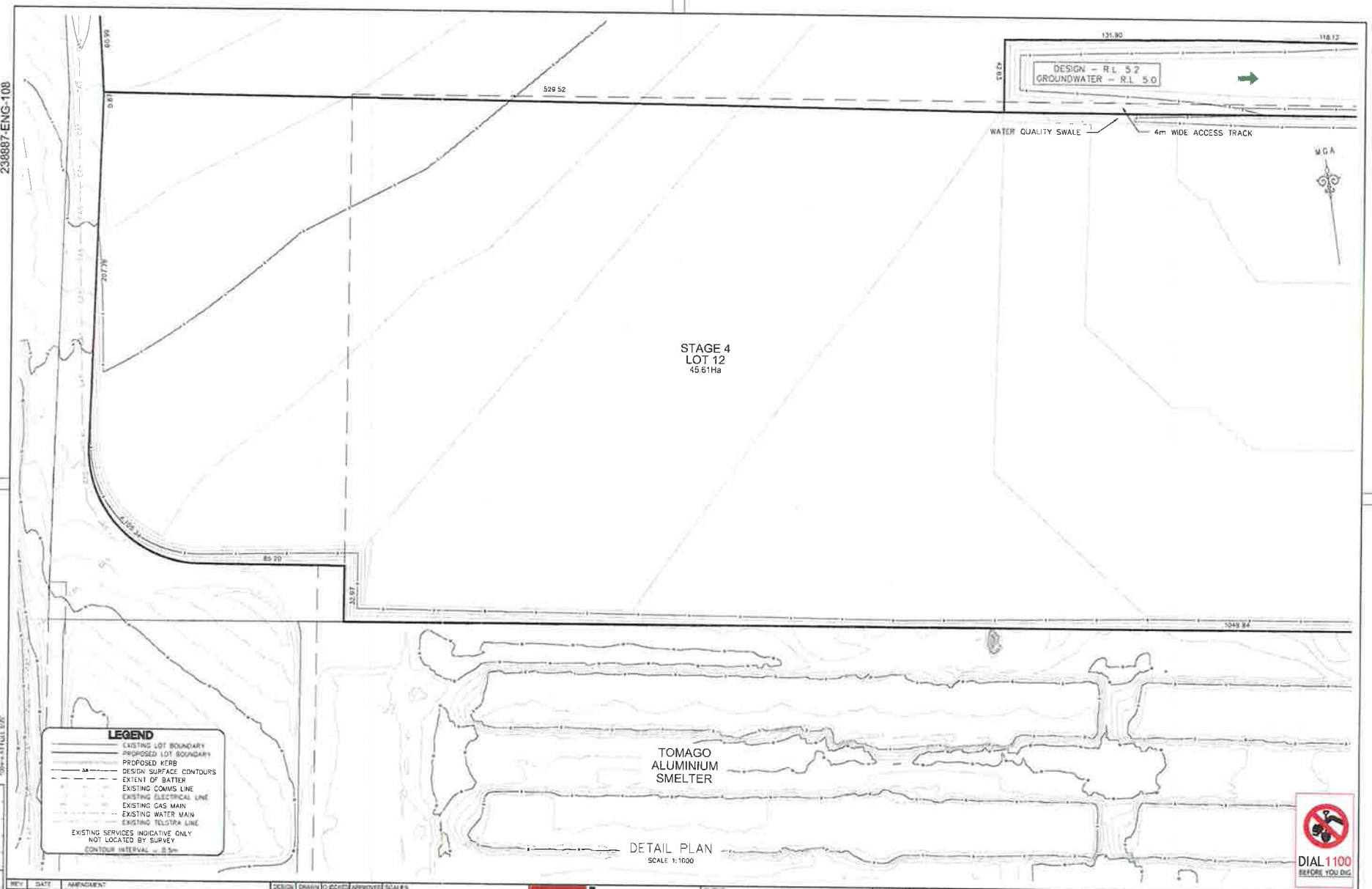
SURVEYED: DATUM: A.H.D

PROJECT: TOMAGO

PLAN TITLE: DETAI PLAN SHEET 7 OF 13

PROJECT No	DRAWING	NUMBER	REV
238887	ENG	107	C

238887-ENG-108



REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M A	Z.J	M L	A.C
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M L	G H	M L	A C
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M L	A M	M L	M K

SCALES: 0 10 20 30 40 A1 / A3 1:1000 / 1:2000

ALL DIMENSIONS ARE IN METRES DO NOT SCALE

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMINIUM COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD, TOMAGO

SURVEYED

DATUM: AHD

PROJECT: TOMAGO

PLAN TITLE: DETAIL PLAN SHEET 8 OF 13

PROJECT No.	DOCUMENT	NUMBER	REV
238887	ENG	108	C

DESIGN FILE: H:\238887\Survey\120\238887.DWG

Plotted By: tanym Plot Date: 27/03/15 – 12.18 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-108.dwg

238887-ENG-109

DESIGN – R.L. 5.2
GROUNDWATER – R.L. 4.8

PROPOSED BASIN

DESIGN – R.L. 5.2
GROUNDWATER – R.L. 4.5

4m WIDE ACCESS TRACK

WATER QUALITY SWALE

M.G.A.

STAGE 4
LOT 12
45.61Ha

409.46

STAGE 3
LOT 8
39.07Ha

TOMAGO
ALUMINIUM
SMELTER

DETAIL PLAN
SCALE 1:1000

LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED KERB
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- EXISTING COMMS LINE
- EXISTING ELECTRICAL LINE
- EXISTING GAS MAIN
- EXISTING WATER MAIN
- EXISTING TELSTRA LINE

EXISTING SERVICES INDICATIVE ONLY
NOT LOCATED BY SURVEY
CONTOUR INTERVAL = 0.5m

DIAL 1100 BEFORE YOU DIG

REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M.A	Z.J	M.L	A.C
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M.L	C.H	M.L	A.C
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M.L	A.M	M.L	M.K

SCALES: 0 10 20 30 40 A1 / A3 1:1000 / 1:2000

ALL DIMENSIONS ARE IN METRES DO NOT SCALE

DESIGN FILE: W:\238887\Survey\120\238887.DWG

Plotted By: terym Plot Date: 27/03/15 - 12:17 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-109.dwg

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMINIUM COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD TOMAGO

SURVEYED

DATUM: A.H.D.

PROJECT: TOMAGO

PLAN TITLE: DETAIL PLAN SHEET 9 OF 13

PROJECT No. 238887 – DISCIPLINE ENG – NUMBER 109 REV C

238887-ENG-110

DESIGN – RL 5.2
GROUNDWATER – RL 4.5

PROPOSED BASIN

4m WIDE ACCESS TRACK
WATER QUALITY SWALE

STAGE 4
LOT 12
45.61Ha

STAGE 2
LOT 7
36.76Ha

STAGE 3
LOT 8
39.07Ha

STAGE 3
LOT 9
21.36Ha

374.87
232.43
305.85
373.63
166.27
166.69

DIAL 1100 BEFORE YOU DIG

MGA

LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED KERB
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- EXISTING COMMS LINE
- EXISTING ELECTRICAL LINE
- EXISTING GAS MAIN
- EXISTING WATER MAIN
- EXISTING TELSTRA LINE

EXISTING SERVICES INDICATIVE ONLY
NOT LOCATED BY SURVEY
CONTOUR INTERVAL = 0.5m

DETAIL PLAN
SCALE 1:1000

REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M.A.	Z.J.	M.L.	A.C.
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C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M.L.	A.M.	M.L.	M.K.

SCALES: 0 10 20 30 40 A1 / A3 1:1000 / 1:2000

DESIGN FILE: N:\238887\surveying\120\238887.CVF
ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

Plotted By: tonym Plot Date: 27/03/15 – 12:17 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-110.dwg

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMINIUM COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD, TOMAGO

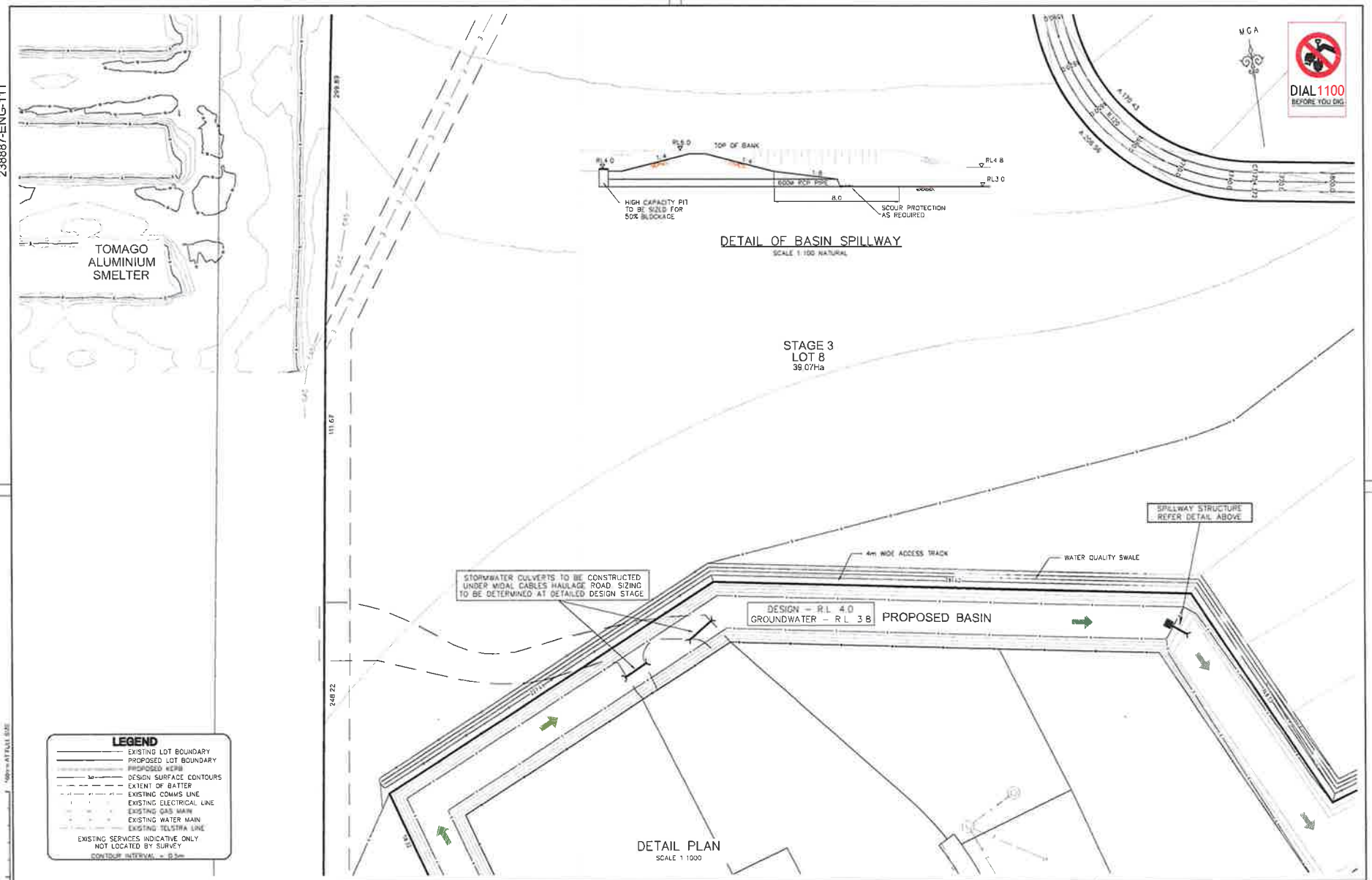
SURVEYED: | DATUM: AHD

PROJECT: TOMAGO

PLAN TITLE: DETAIL PLAN SHEET 10 OF 13

PROJECT No. 238887 – DISCIPLINE ENG – NUMBER 110 | REV C

238887-ENG-111



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B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M.L.	G.H.	M.L.	A.C.
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M.L.	A.M.	M.L.	M.K.

SCALES: 0 10 20 30 40 A1 / A3 1:1000 / 1:2000

DESIGN FILE: N:\238887\Surveying\120\238887.CVF

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

Plotted By: tanym Plot Date: 27/03/15 – 12:17 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-111.dwg

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMINIUM COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD, TOMAGO

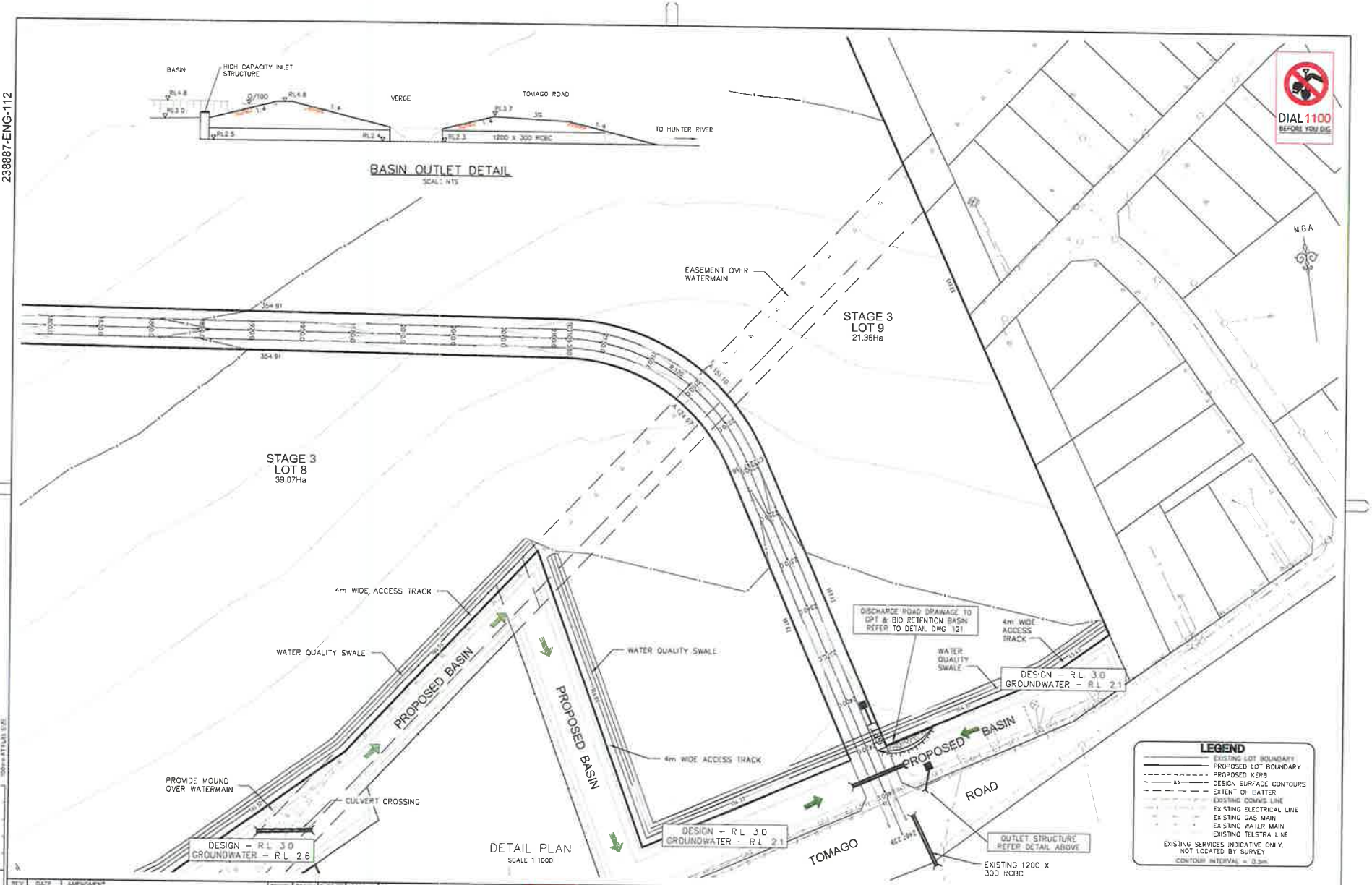
SURVEYED: | DATUM: AHD

PROJECT: TOMAGO

PLAN TITLE: DETAIL PLAN SHEET 11 OF 13

PROJECT No.	DISCIPLINE	NUMBER	REV
238887	ENG	111	C

238887-ENG-112



REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M A	Z.J	M L	A C
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M L	G H	M L	A C
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M L	A.M	M L	M K

SCALES: 0 10 20 30 40 A1 / A3 1:1000 / 1:2000

ALL DIMENSIONS ARE IN METRES DO NOT SCALE

DESIGN FILE: N:\238887\Surveys\120\238887.dat\
Plotted By: tonym Plot Date: 27/03/15 – 12:17 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-112.dwg

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMINIUM COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD, TOMAGO

SURVEYED

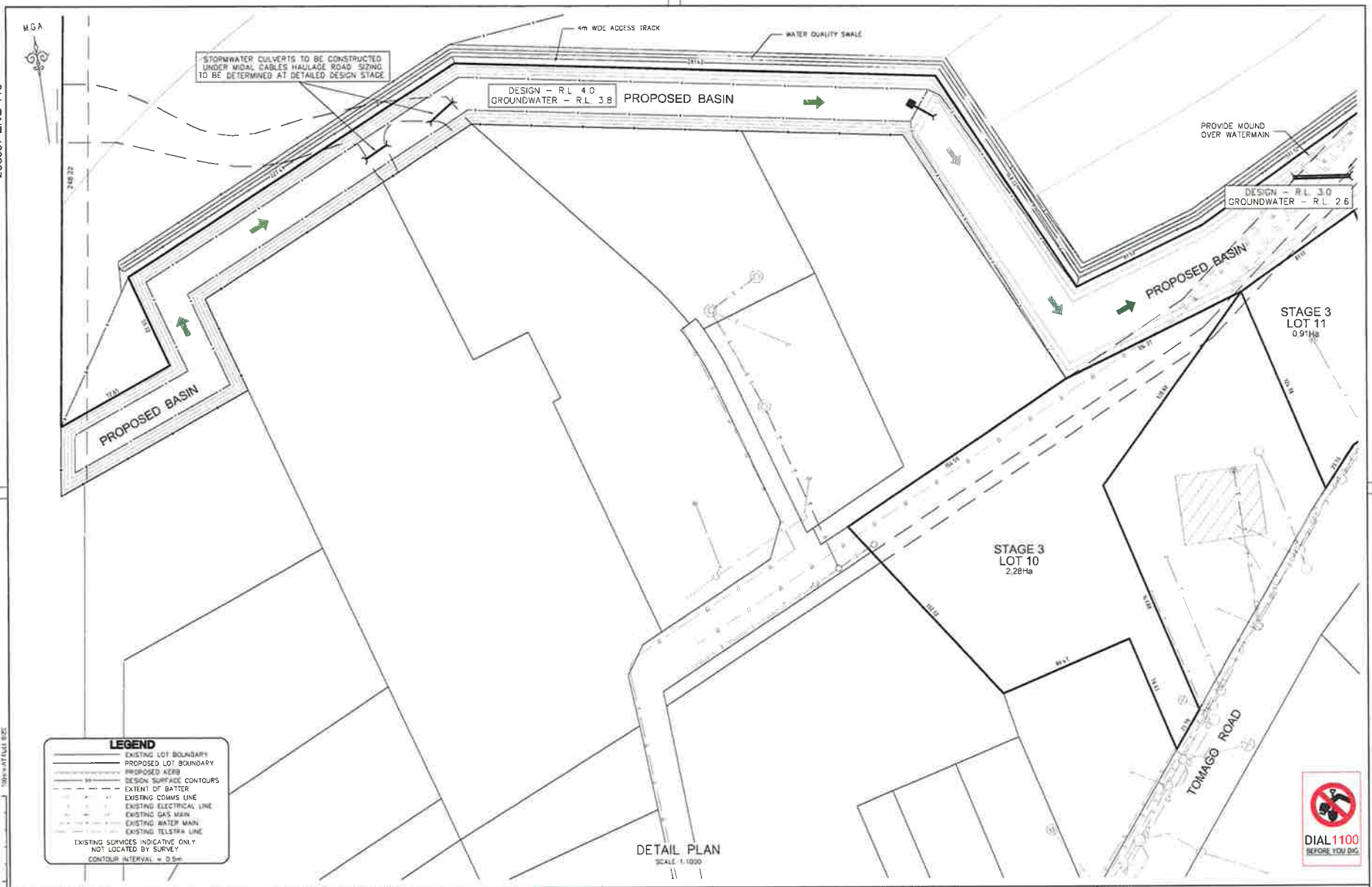
DATUM: AHD

PROJECT: TOMAGO

PLAN TITLE: DETAIL PLAN SHEET 12 OF 13

PROJECT No.		DWG LINE		NUMBER	REV
238887	–	ENG	–	112	C

238887-ENG-113



REV	DATE	AMENDMENT	DESIGN	DRAWN	C-EDICS	APPROVED
A	03.06.14	INITIAL ISSUE	M.A.	Z.J.	M.L.	A.C.
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M.L.	D.H.	M.L.	A.C.
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M.L.	A.M.	M.L.	M.K.

SCALES: 0 10 20 30 40 A1 1:1000 / A3 1:2000

ALL DIMENSIONS ARE IN METRES DO NOT SCALE

DESIGN FILE: N:\238887\Surveying\120\238887.CVR

adw Johnson
Central Coast
2 Bounty Close,
P.O. Box 3717,
Tuggerah N.S.W. 2259
Phone (02) 4305 4300
Fax (02) 4305 4399
email coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMINIUM COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD, TOMAGO

SURVEYED

DATUM: AHD

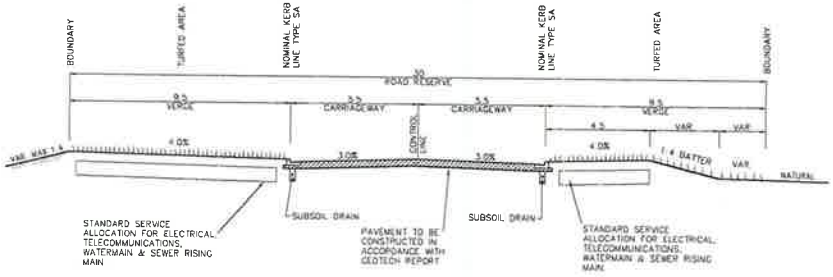
PROJECT: TOMAGO

PLAN TITLE: DETAIL PLAN SHEET 13 OF 13

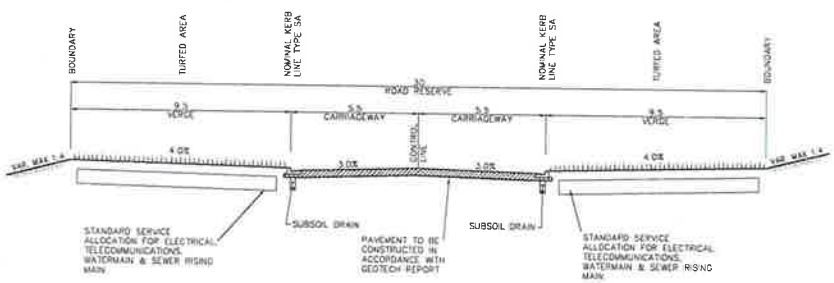
PROJECT No: 238887 – DRAWING: ENG – NUMBER: 113 REV: C

Plotted By: tanym Plot Date: 27/03/15 – 12:17 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-113.dwg

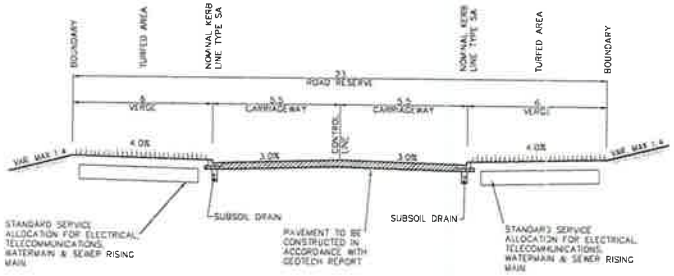
238887-ENG-121



TYPICAL CROSS SECTION ROAD 1
(CH.185.00 TO CH.700.00)
SCALE 1:100 NATURAL



TYPICAL CROSS SECTION ROAD 1
(CH.700.00 TO CH.1430.00)
SCALE 1:100 NATURAL



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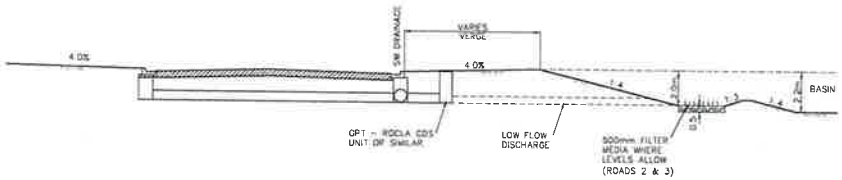
(CH.16.60 TO CH.2460.00)
SCALE 1:100 NATURAL



TYPICAL GPT AND BIO RETENTION BASIN
SCALE NTS

DIAL 1100 BEFORE YOU DIG

REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M A	Z J	M L	A C
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M L	D H	M L	A C
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M L	A M	M L	M K

SCALES

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Plotted By: tanym Plot Date: 27/03/15 - 12:17 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-121.dwg

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMINIUM COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD TOMAGO

SURVEYED

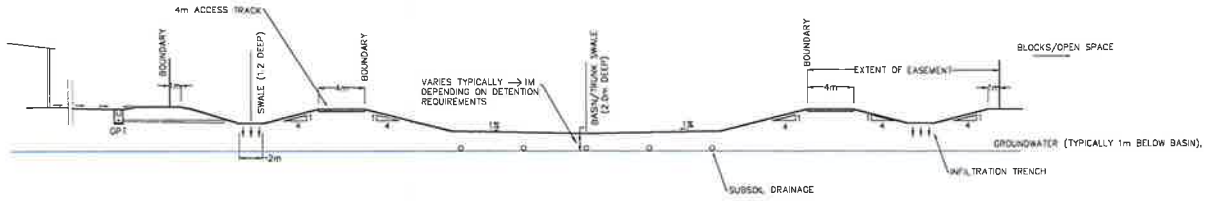
DATUM: AHD

PROJECT: TOMAGO

PLAN TITLE: TYPICAL ROAD CROSS SECTIONS

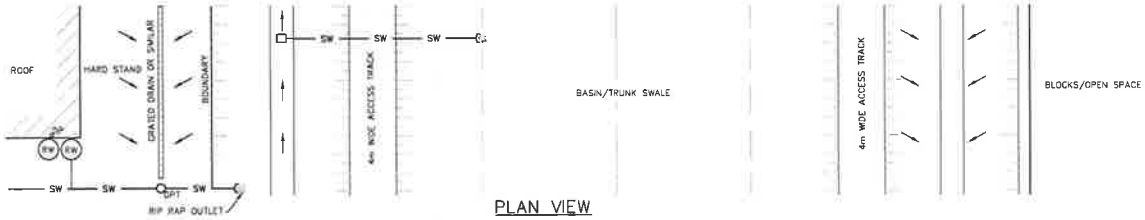
PROJECT No: 238887 - DOCUMENT: ENG - NUMBER: 121 REV: C

238887-ENG-122

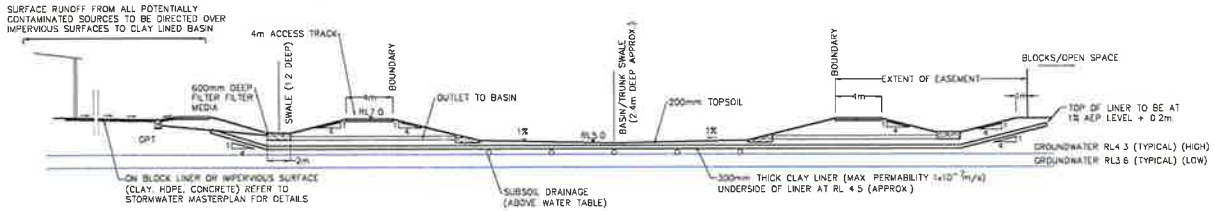


TYPICAL BASIN CROSS SECTION – (UNLINED)

SCALE 1:200 NATURAL



PLAN VIEW



TYPICAL BASIN CROSS SECTION – (LINED) – DRINKING WATER CATCHMENT ONLY)
(REFER TO DWG. 003 FOR EXTENTS)

SCALE 1:200 NATURAL

DIAL 1100 BEFORE YOU DIG

REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M A	Z.J.	M L	A C
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M L	G H	M L	A C
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M L	A M	M L	M K

SCALES

ALL DIMENSIONS ARE IN METRES DO NOT SCALE

DESIGN FILE: N:\238887\Surveying\120\238887 DLM\

Plotted By: tanyn Plot Date: 27/03/15 – 12:17 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-122.dwg

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2 Bourke Close,
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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMINIUM COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD, TOMAGO

SURVEYED

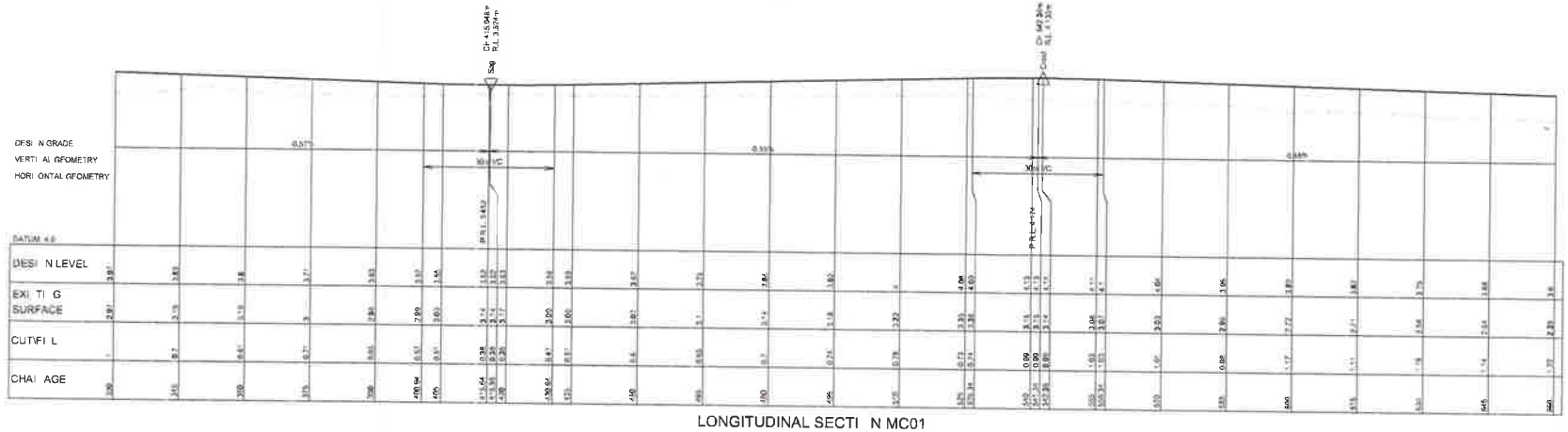
DATUM: AHD

PROJECT: TOMAGO

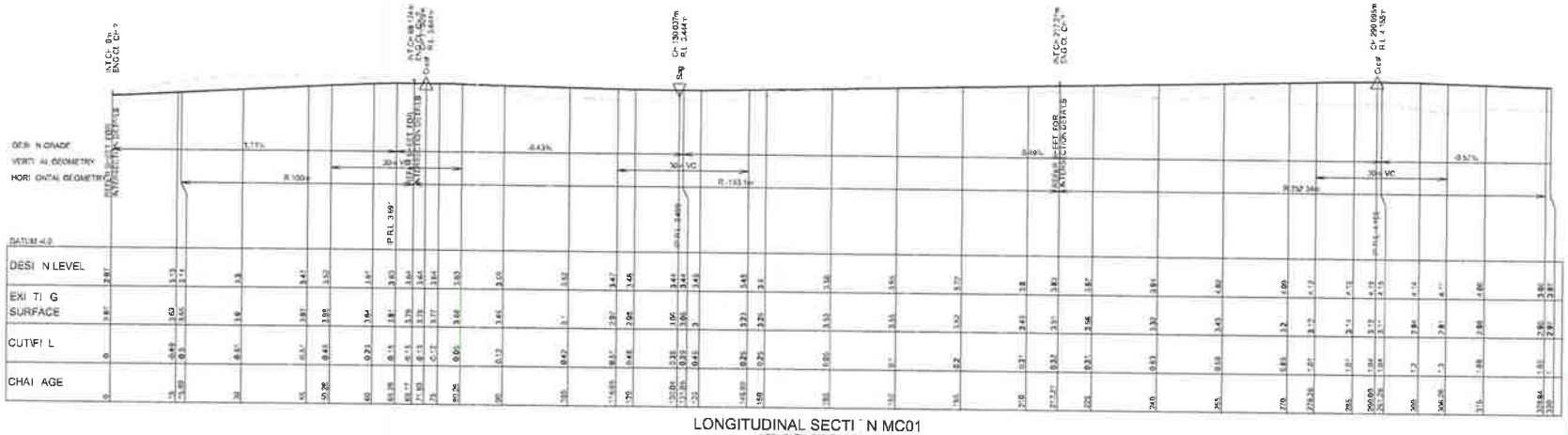
PLAN TITLE: TYPICAL BASIN CROSS SECTIONS

PROJECT No	DRAWING	NUMBER	REV
238887 –	ENG –	122	C

238887-ENG-201



LONGITUDINAL SECTI N MC01
HORI ONTAL SCALE 1 500
VERTI AL SCALE 1 100



LONGITUDINAL SECTI N MC01
HORI ONTAL SCALE 1 500
VERTI AL SCALE 1 100

DIAL 1100 BEFORE YOU DIG

REV.	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M A	Z J	M L	A C
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M L	D H	M L	A C
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M L	A M	M L	M K

SCALES

ALL DIMENSIONS ARE IN METRES DO NOT SCALE

DESIGN FILE: N:\238887\Survey\120\238887 CL01\

Plotted By: tonym Plot Date: 27/03/15 - 12:17 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-201.dwg

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email coas@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
TOMAGO ALUMI I M COMPANY PTY LTD

PROPERTY DESCRI TI N
OLD PUNT ROAD
TOMAGO

SURVEYED

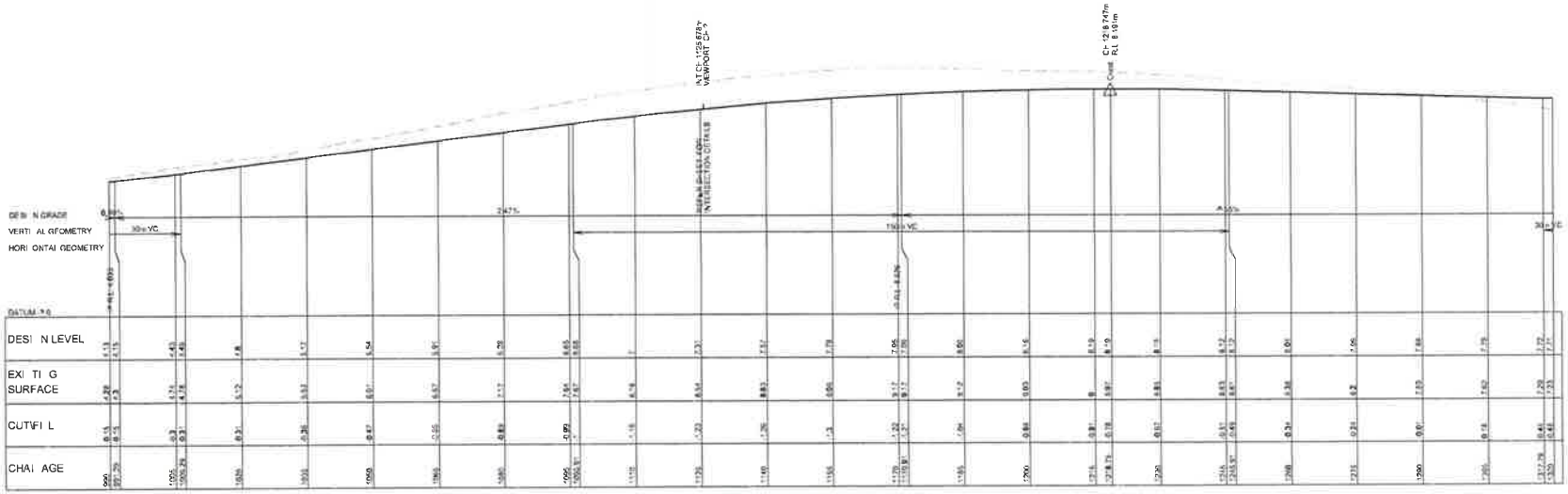
DATUM
A H D

PROJECT
TOMAGO

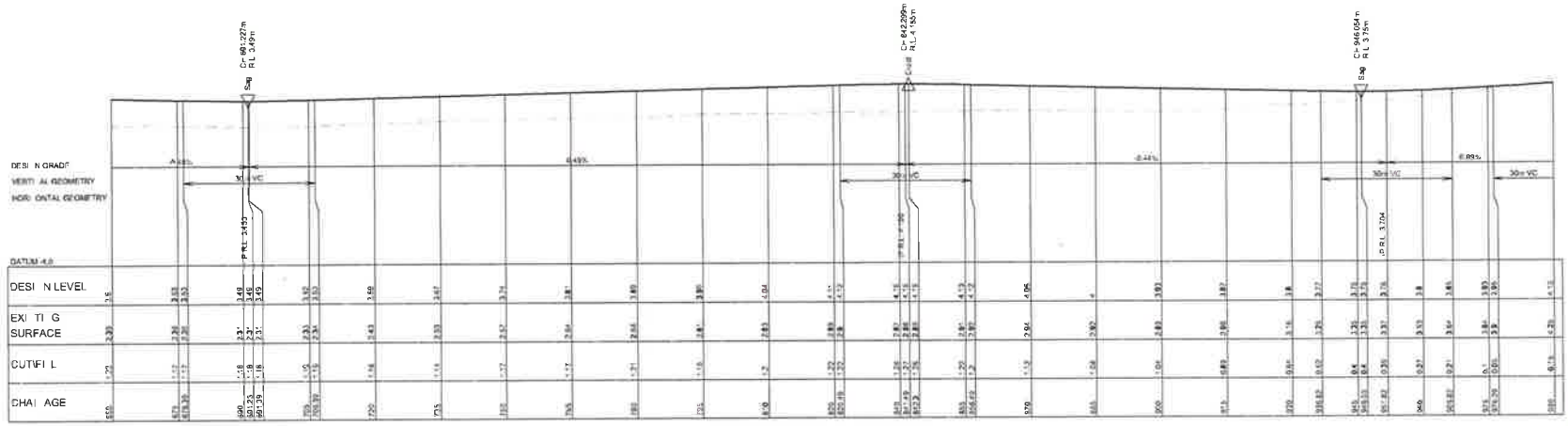
PLAN TI LE
LONGI UDI AL SECTI NS
ROAD MC01 SHEET 1 OF 3

PROJECT No	DI CI LINE	NUMBER	REV
238887 -	ENG -	201	C

238887-ENG-202



LONGITUDINAL SECTION MC01
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100



LONGITUDINAL SECTION MC01
HORIZONTAL SCALE 1:500
VERTICAL SCALE 1:100

DIAL 1100 BEFORE YOU DIG

REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03 06 14	INITIAL ISSUE	M A	Z J	M L	A C
B	24 10 14	AMENDED AS PER COUNCIL COMMENTS	M L	G H	M L	A C
C	24 03 15	AMENDED AS PER COUNCIL COMMENTS	M L	A M	M L	M K

SCALES

ALL DIMENSIONS ARE IN METRES DO NOT SCALE

DESIGN FILE: n:\238887\Surveying\122\238887 CVF\

Plotted By: tonym Plot Date: 27/03/15 - 12:17 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-202.dwg

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Fax: (02) 4305 4399
email: coast@adw-johnson.com.au
www.adw-johnson.com.au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMINIUM COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD TOMAGO

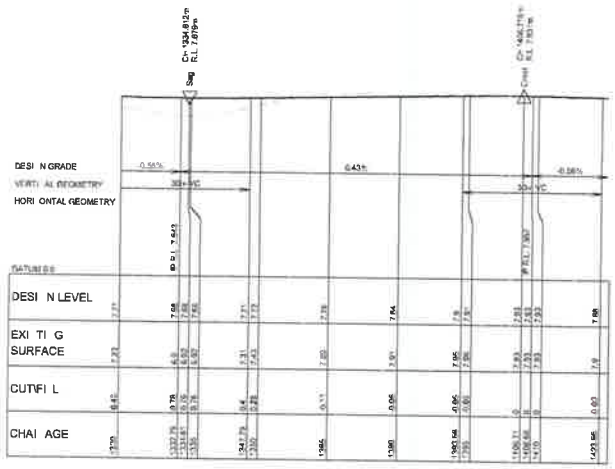
SURVEYED: DATUM: AHD

PROJECT: TOMAGO

PLAN TITLE: LONGITUDINAL SECTIONS ROAD MC01 SHEET 2 OF 3

PROJECT No.	DISCIPLINE	NUMBER	REV
238887 -	ENG -	202	C

238887-ENG-203



LONGITUDINAL SECTI N MC01

HORI ONTAL SCALE 1:500
VERTI AL SCALE 1:100

DIAL 1100 BEFORE YOU DIG

REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M A	Z J	M L	A C
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M L	C H	M L	A C
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M L	A M	M L	M K

SCALES

DESIGN FILE: N:\238887\Survey\100\238887.dgn

ALL DIMENSIONS ARE IN METRES. DO NOT SCALE

Plotted By: tonym Plot Date: 27/03/15 - 12:17 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-203.dwg

adw Johnson
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2 Bounty Close,
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Fax: (02) 4305 4399
email: coast@adwjohnson com au
www adwjohnson com au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMI I M COMPANY PTY LTD

PROPERTY DESCRI TI N: OLD PUNT ROAD, TOMAGO

SURVEYED

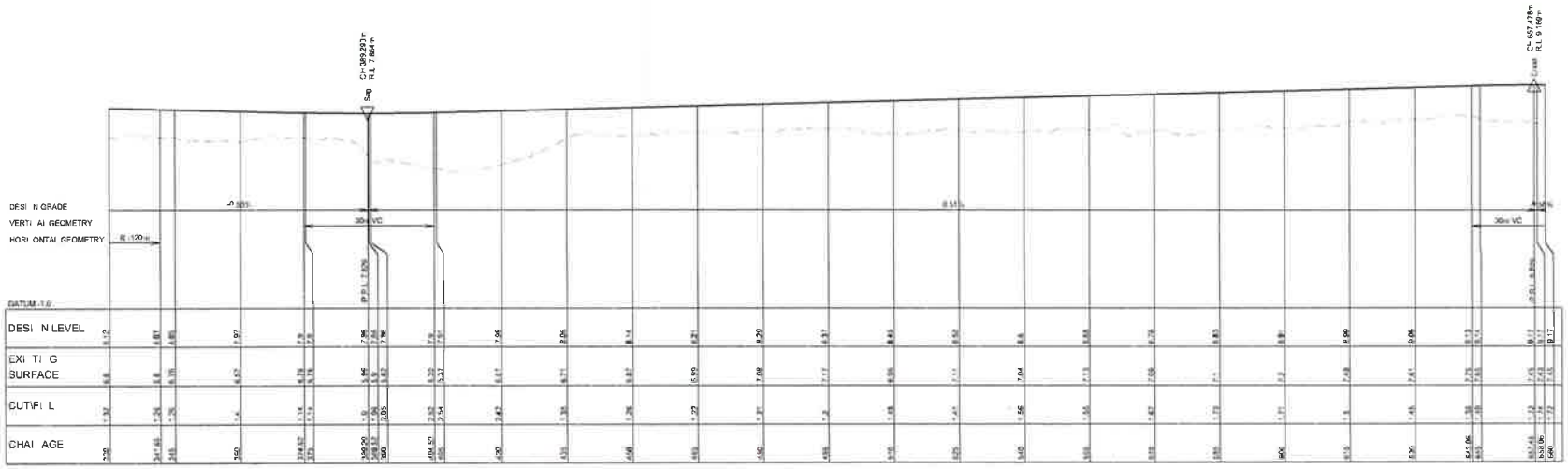
DATUM: A H D

PROJECT: TOMAGO

PLAN TI LE: LONGI UDI AL SECTI NS: ROAD MC01 SHEET 3 OF 3

PROJECT No.		D G LINE		NUMBER	REV
238887	-	ENG	-	203	C

238887-ENG-204



LONGITUDINAL SECTI N MC02

HORI ONTAL SCALE 1:500
VERTI AI SCALE 1:100

LONGITUDINAL SECTI N MC02

HORI ONTAL SCALE 1:500
VERTI AI SCALE 1:100

DIAL 1100 BEFORE YOU DIG

REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M.A.	Z.J.	M.L.	A.C.
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M.L.	C.H.	M.L.	A.C.
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M.L.	A.M.	M.L.	M.K.

SCALES

ALL DIMENSIONS ARE IN METRES DO NOT SCALE

DESIGN FILE: 4:\238887\Survey\120\238887 CUT\

Plotted By: tanym Plot Date: 27/03/15 - 12:17 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-204.dwg

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email coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMI I M COMPANY PTY LTD

PROPERTY DESCRI TI N: OLD PUNT ROAD, TOMAGO

SURVEYED

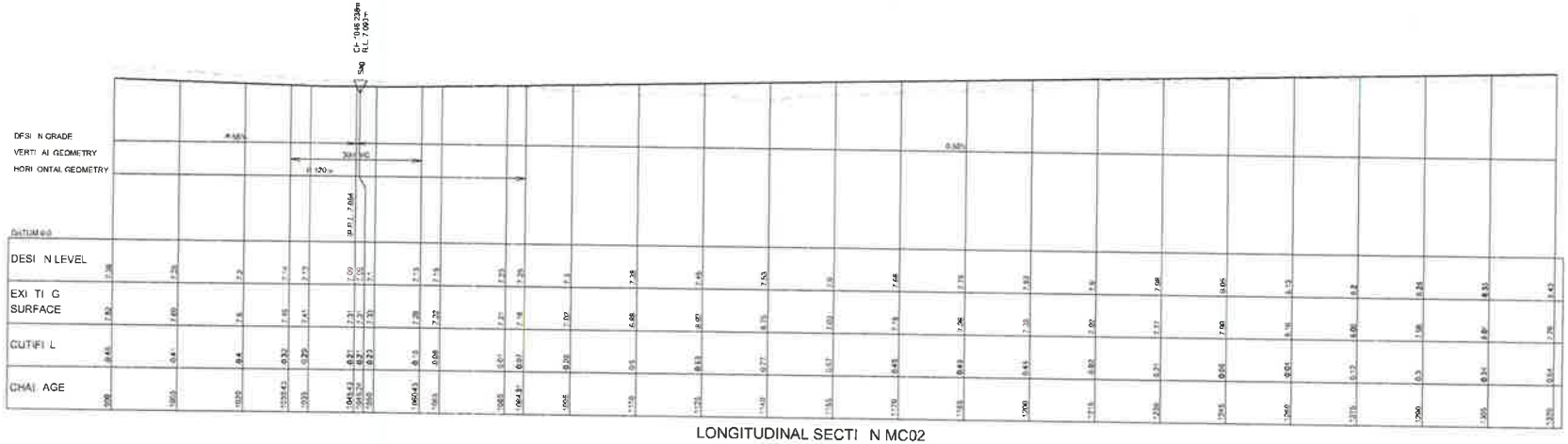
DATUM: A.H.D.

PROJECT: TOMAGO

PLAN TI IF: LONGI UDI AL SECTI NS ROAD MC02 SHEET 1 OF 4

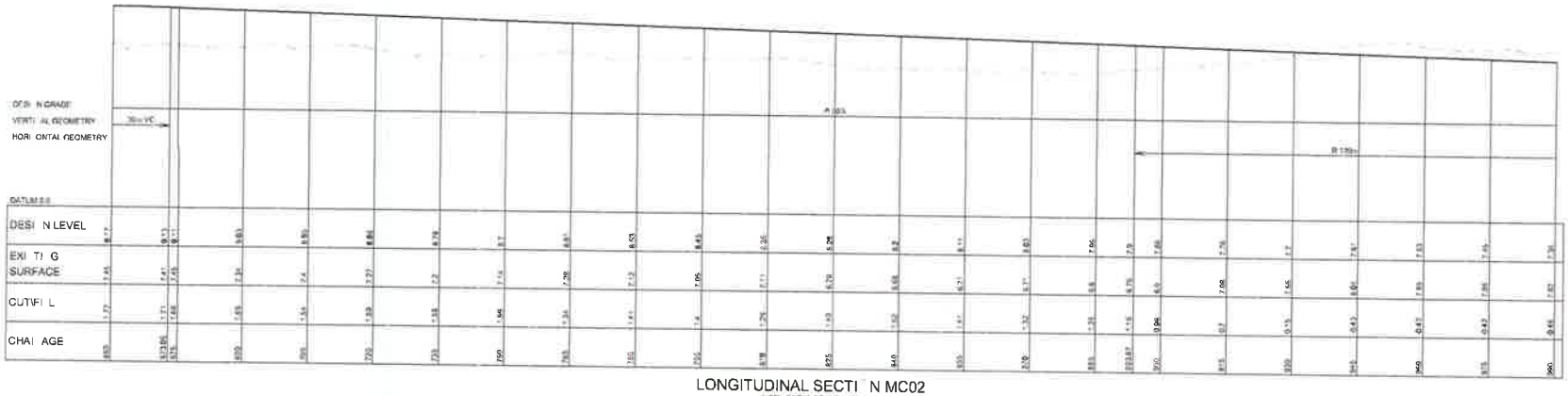
PROJECT No	DI CI LINE	NUMBER	REV
238887	ENG	204	C

238887-ENG-205



LONGITUDINAL SECTI N MC02

HORI ONTAL SCALE 1:500
VERTI AL SCALE 1:100



LONGITUDINAL SECTI N MC02

HORI ONTAL SCALE 1:500
VERTI AL SCALE 1:100

DIAL 1100 BEFORE YOU DIG

REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M.A	Z.J	M.L	A.C
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M.L	C.H	M.L	A.C
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M.L	A.M	M.L	M.K

SCALES

ALL DIMENSIONS ARE IN METRES DO NOT SCALE

DESIGN FILE: n:\238887\drawings\120\238887.DGN
Plotted By: tonym Plot Date: 27/03/15 - 12:17 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-205.dwg

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email caos@adwjohnson.com.au
www.adwjohnson.com.au
ABN 52 129 445 398

CLIENT: TOMAGO ALUMI I M COMPANY PTY LTD

PROPERTY DESCRIPTI N: OLD PUNT ROAD TOMAGO

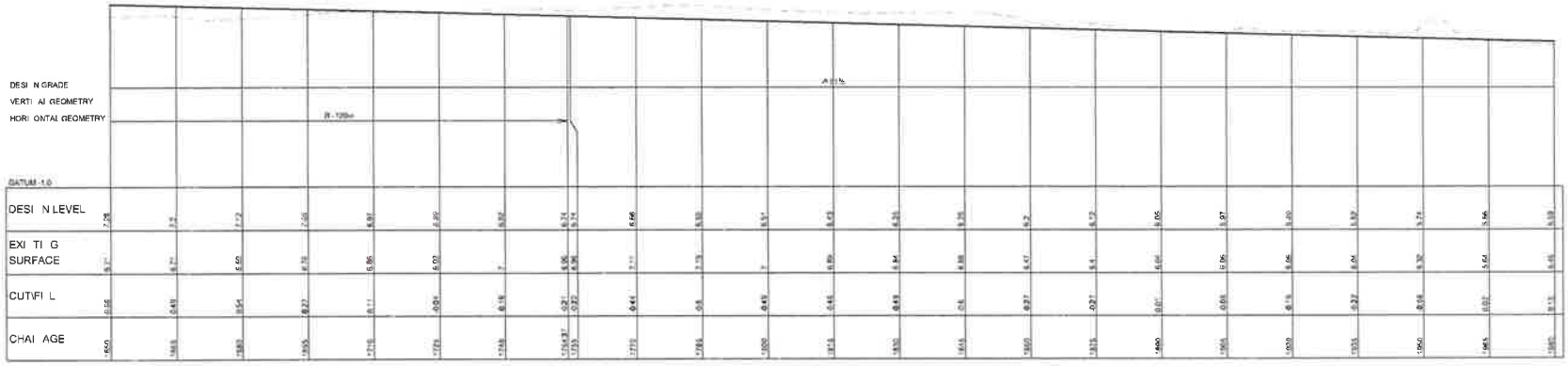
SURVEYED | DATUM: A.H.D.

PROJECT: TOMAGO

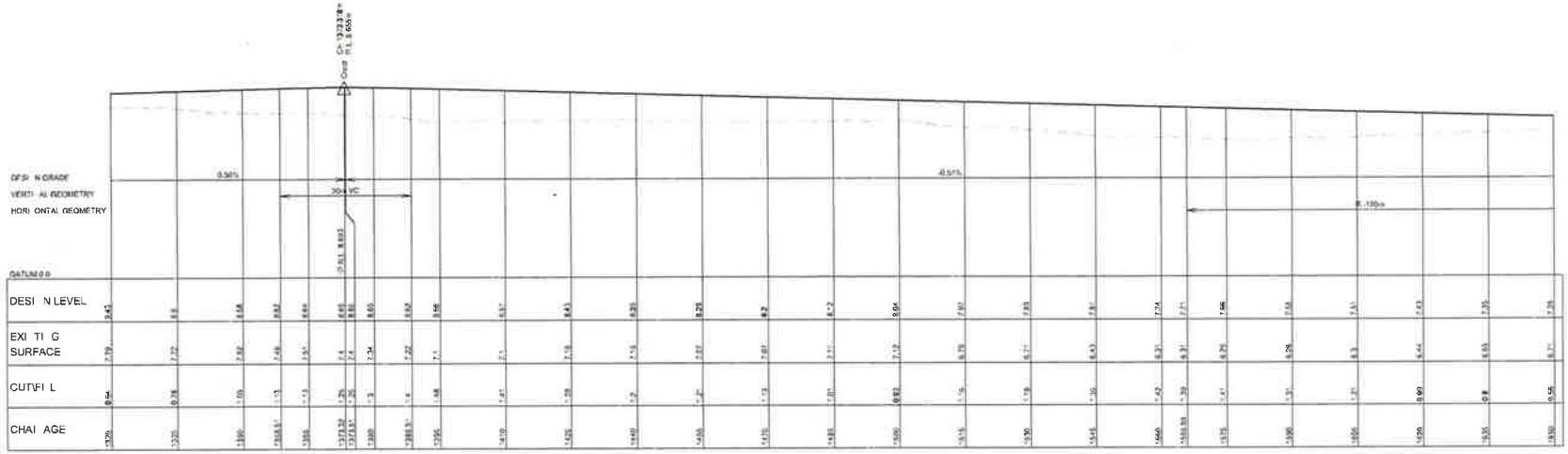
PLAN TITLE: LONGI UDI AL SECTI NS ROAD MC02 SHEET 2 OF 4

PROJECT No. 238887 - D. C. LINE ENG - NUMBER 205 REV. C

238887-ENG-206



LONGITUDINAL SECTI N MC02
HORI ONTAI SCALE 1 500
VERTI AL SCALE 1 100



LONGITUDINAL SECTI N MC02
HORI ONTAI SCALE 1 500
VERTI AI SCALE 1 100

DIAL 1100 BEFORE YOU DIG

REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03 06 14	INITIAL ISSUE	M A	Z J	M L	A C
B	24 10 14	AMENDED AS PER COUNCIL COMMENTS	M L	G H	M L	A C
C	24 03 15	AMENDED AS PER COUNCIL COMMENTS	M L	A M	M L	M K

SCALES

ALL DIMENSIONS ARE IN METRES DO NOT SCALE

DESIGN FILE: w:\238887\Survey\120\238887 CVR\

Plotted By: tohym Plot Date: 27/03/15 - 12:17 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-206.dwg

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email: coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
TOMAGO ALUMI I M COMPANY PTY LTD

PROPERTY DESCRI TI N
OLD PUNT ROAD,
TOMAGO

SURVEYED

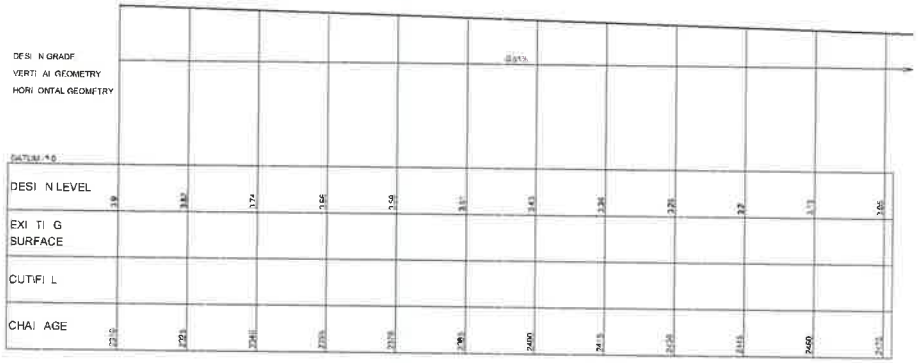
DATUM
A H D

PROJECT
TOMAGO

PLAN TI LE
LONGI UDI AL SECTI NS
ROAD MC02 SHEET 3 OF 4

PROJECT No	DI CI LINE	NUMBER	REV
238887	ENG	206	C

238887-ENG-207



LONGI UDINAL SECTI N MC02
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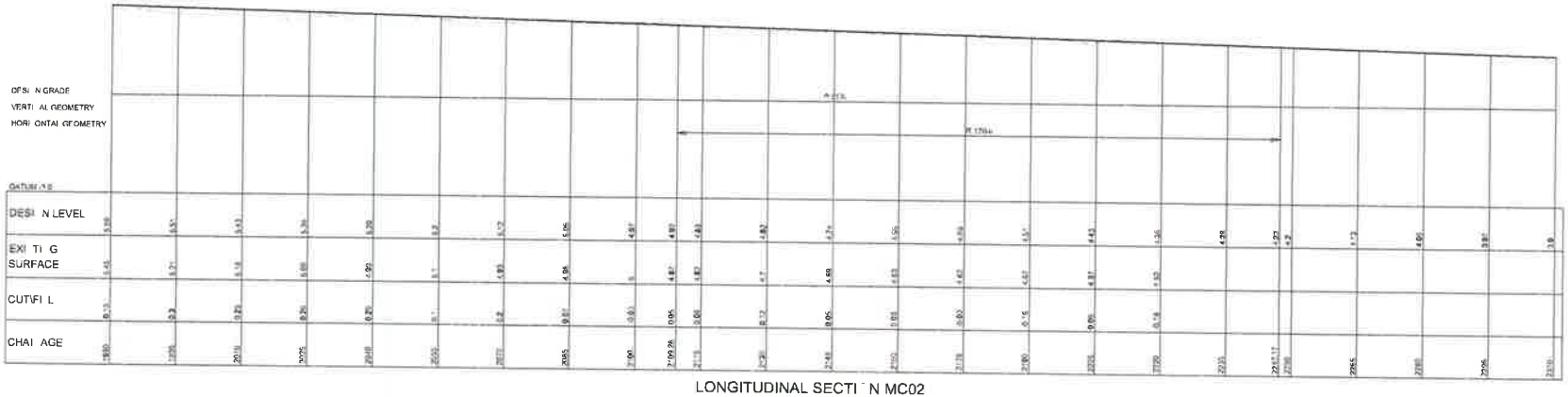

LONGITUDINAL SECTI N MC02
HORI ONTAI SCALF 1 500
VERTI AL SCALF 1 100

DIAL 1100 BEFORE YOU DIG

REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03 06 14	INITIAL ISSUE	W A	Z J	M L	A C
B	24 10 14	AMENDED AS PER COUNCIL COMMENTS	M L	G H	M L	A C
C	24 03 15	AMENDED AS PER COUNCIL COMMENTS	M L	A M	M L	M K

SCALES

ALL DIMENSIONS ARE IN METRES DO NOT SCALE

DESIGN FILE N:\238887\Survey\100\238887 DWG\
Plotted By tanym Plot Date 27/03/15 - 12:17 Cad File S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-207.dwg

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email coast@adwjohnson.com.au
www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT
TOMAGO ALUMI I M COMPANY PTY LTD

PROPERTY DESCRIPTION
OLD PUNT ROAD
TOMAGO

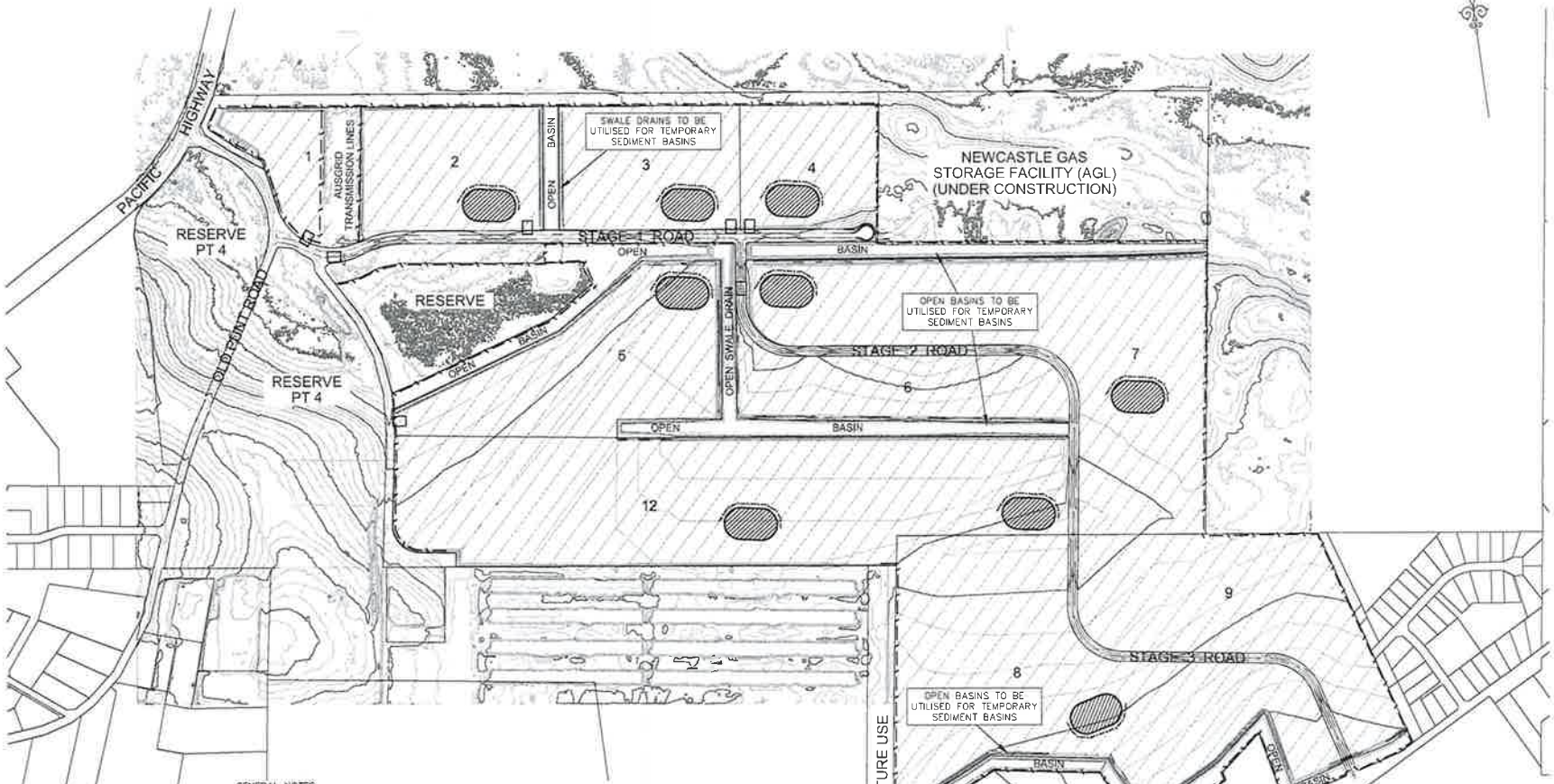
SURVEYED
DATUM AHD

PROJECT TOMAGO

PLAN TITLE
LONGI UDI AL SECTI NS
ROAD MC02 SHEET 4 OF 4

PROJECT No	DISCIPLINE	NUMBER	REV
238887 -	ENG -	207	C

238887-ENG-801



OVERALL PLAN
SCALE 1:5000

LEGEND

- EXISTING LOT BOUNDARY
- PROPOSED LOT BOUNDARY
- PROPOSED KERB
- DESIGN SURFACE CONTOURS
- EXTENT OF BATTER
- SILT FENCE
- NO-GO FENCE
- HAY BALES
- PROPOSED STOCKPILE AREA (TO BE DETERMINED ON SITE)
- CONSTRUCTION ACCESS
- BULK EARTHWORKS AREAS

CONTOUR INTERVAL = 0.3m

GENERAL NOTES

1. PROPOSED OPEN SWALE LOCATIONS TO BE UTILISED AS TEMPORARY BASINS DURING CONSTRUCTION.

EROSION & SEDIMENT CONSTRUCTION NOTES

1 EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE CONSISTENT WITH THE APPROVED MASTERPLAN DOCUMENTS AND THE "MANAGING URBAN STORMWATER" – 3RD EDITION (1998) PREPARED BY THE NSW DEPARTMENT OF HOUSING
2 CONTROL CLEAN WATER FROM ABOVE THE SITE THROUGH THE SITE
3 KEEP CLEAN WATER SEPARATE FROM DIRTY WATER
4 CONSERVE ALL TOPSOIL, STOCKPILE AND PROTECT FOR REUSE ON SITE
5 PROTECT ALL DISTURBED AREAS FROM EROSION
6 MINIMISE SEDIMENTATION
7 MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL COMPLETE REHABILITATION IS ACHIEVED
8 PLACE SEDIMENT INLET TRAPS AROUND ALL PITS WITHIN AND DOWNSTREAM OF THE DEVELOPMENT
9 PLACE GRAVEL BAG GROYNES IN GUTTERS AT 20 – 25m INTERVALS
10 STOCKPILES OF MATERIAL TO BE PLACED AWAY FROM DRAINAGE FLOW PATHS AND HEAVILY TRAFFICABLE AREAS AND TO BE SURROUNDED BY SILT FENCING AT ALL TIMES AS INDICATED ON PLAN
11 CONSTRUCT AN ALL WEATHER CONSTRUCTION ACCESS TO THE SITE
12 ALL DISTURBED AREAS ARE TO BE REVEGETATED OR OTHERWISE PROTECTED AS SOON AS PRACTICAL
13 ERECT AND MAINTAIN SILT FENCES AT THE DOWNSLOPE SIDE OF DISTURBED AREA DURING CONSTRUCTION
14 AREAS OUTSIDE THE BOUNDARIES OF THE PROPOSED DEVELOPMENT WILL BE FENCED WITH NO GO FENCING TO KEEP THE AREAS FREE FROM DISTURBANCE OF MACHINERY, PARKED VEHICLES AND WASTE MATERIAL
15 TREES TO BE RETAINED WITHIN THE CONSTRUCTION AREAS ARE TO BE PROTECTED BY TREE PROTECTION FENCING IN ACCORDANCE WITH THE APPROVED CMP
16 ACCESS IS TO BE MAINTAINED TO EXISTING PROPERTIES ADJACENT TO THE WORK SITE AT ALL TIMES

DIAL 1100 BEFORE YOU DIG

REV	DATE	AMENDMENT	DESIGN	DRAWN	CHECKED	APPROVED
A	03.06.14	INITIAL ISSUE	M.A.	Z.J.	M.L.	A.C.
B	24.10.14	AMENDED AS PER COUNCIL COMMENTS	M.L.	G.H.	M.L.	A.C.
C	24.03.15	AMENDED AS PER COUNCIL COMMENTS	M.L.	A.M.	M.L.	M.K.

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ALL DIMENSIONS ARE IN METRES DO NOT SCALE

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ABN 63 129 445 398

CLIENT: TOMAGO ALUMINIUM COMPANY PTY LTD

PROPERTY DESCRIPTION: OLD PUNT ROAD, TOMAGO

PROJECT: TOMAGO

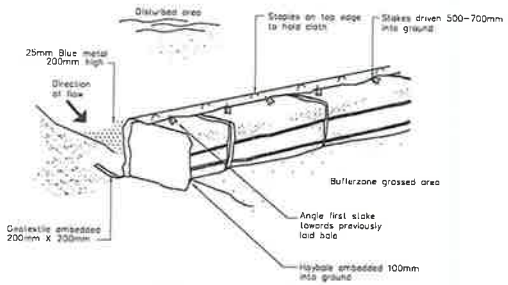
PLAN TITLE: EROSION & SEDIMENT CONTROL PLAN

SURVEYED | DATUM: A.H.D.

PROJECT No. 238887 – DRAWING ENG – NUMBER 801 REV C

Plotted By: tomym Plot Date: 27/03/15 – 12:19 Cad File: S:\238887\DRAWINGS\CONCEPT ENG\238887-ENG-801.dwg

238887-ENG-802



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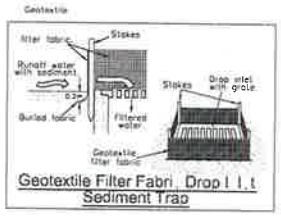

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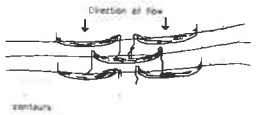

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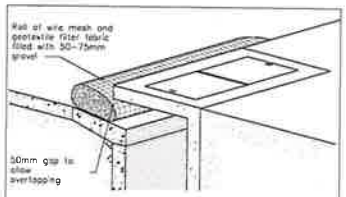

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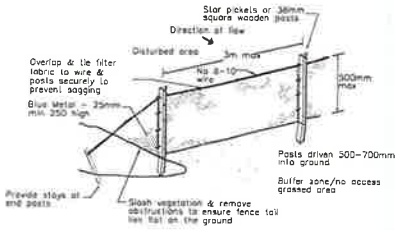

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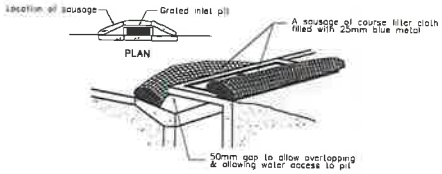

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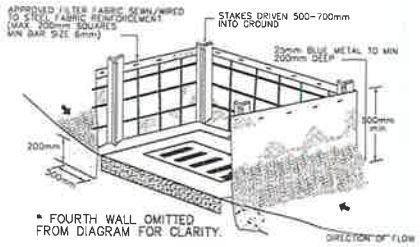

STORM I LET SEDI ENT TRAP

NOTES: –

1 ALL TOPSOIL IN SITE REGRADING AREAS AND ROAD RESERVES TO BE STOCKPILED ON SITE AS SHOWN

2 ALL TOPSOIL TO BE REMOVED BY EITHER EXCAVATOR OR SCRAPER AND MOVED TO STOCKPILE LOCATION

3 STOCKPILE AREA TO BE FULLY FENCED WITH SILT PROOF FABRIC AT ALL TIMES

4 IMPORTED MATERIAL TO BE PLACED DIRECTLY INTO SITE REGRADING AREAS IMPORTED MATERIAL IS NOT TO BE STOCKPILED

5 STOCKPILES ARE TO BE REMOVED AS SOON AS PRACTICABLE AND SITES REINSTATED IMMEDIATELY

6 ALL AREAS DISTURBED DURING CONSTRUCTION ARE TO BE REINSTATED AND SEEDED IMMEDIATELY

7 ALL SITE REGRADING IS TO BE CARRIED OUT UNDER THE SUPERVISION OF A QUALIFIED GEO–TECHNICAL ENGINEER

8 SILT FENCES AND HAY BALING TO BE PLACED WHERE DIRECTED BY COUNCIL'S ENGINEER AND MAINTAINED AT ALL TIMES

9 WHERE PRACTICAL CATCH DRAINS OR SMALL LEVIES ARE TO BE CONSTRUCTED TO MINIMISE EXTERNAL RUNOFF ENTERING THE SITE

10 DISTURBED AREAS TO BE KEPT TO A MINIMUM

11 CONTROL CLEAN WATER FROM ABOVE THE SITE, THROUGH THE SITE AND AROUND THE SITE

12 KEEP CLEAN WATER SEPARATE FROM DIRTY WATER

13 CONSERVE ALL TOPSOIL, STOCKPILE AND PROTECT FROM REUSE ON SITE

14 PROTECT ALL DISTURBED AREAS FROM EROSION

15 MINIMISE SEDIMENTATION

16 MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES UNTIL COMPLETE REHABILITATION IS ACHIEVED

17 OBTAIN COUNCIL'S PERMISSION BEFORE CLEARING OF ANY TREES

18 AN ONSITE MEETING WITH COUNCIL'S SOIL CONSERVATION CONSULTANT PRIOR TO COMMENCEMENT OF WORK WILL BE REQUIRED

DIAL 1100 BEFORE YOU DIG

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SCALES

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www.adwjohnson.com.au
ABN 62 129 445 398

CLIENT: TOMAGO ALUMI I M COMPANY PTY LTD

PROPERTY DESCRI TI N: OLD PUNT ROAD, TOMAGO

SURVEYED | DATUM: A.H.D.

PROJECT: TOMAGO

PLAN TI LE: EROSI N & SEDI ENT CONTROL DETAI S

PROJECT No. 238887 – DOCUMENT ENG – NUMBER 802 REV C