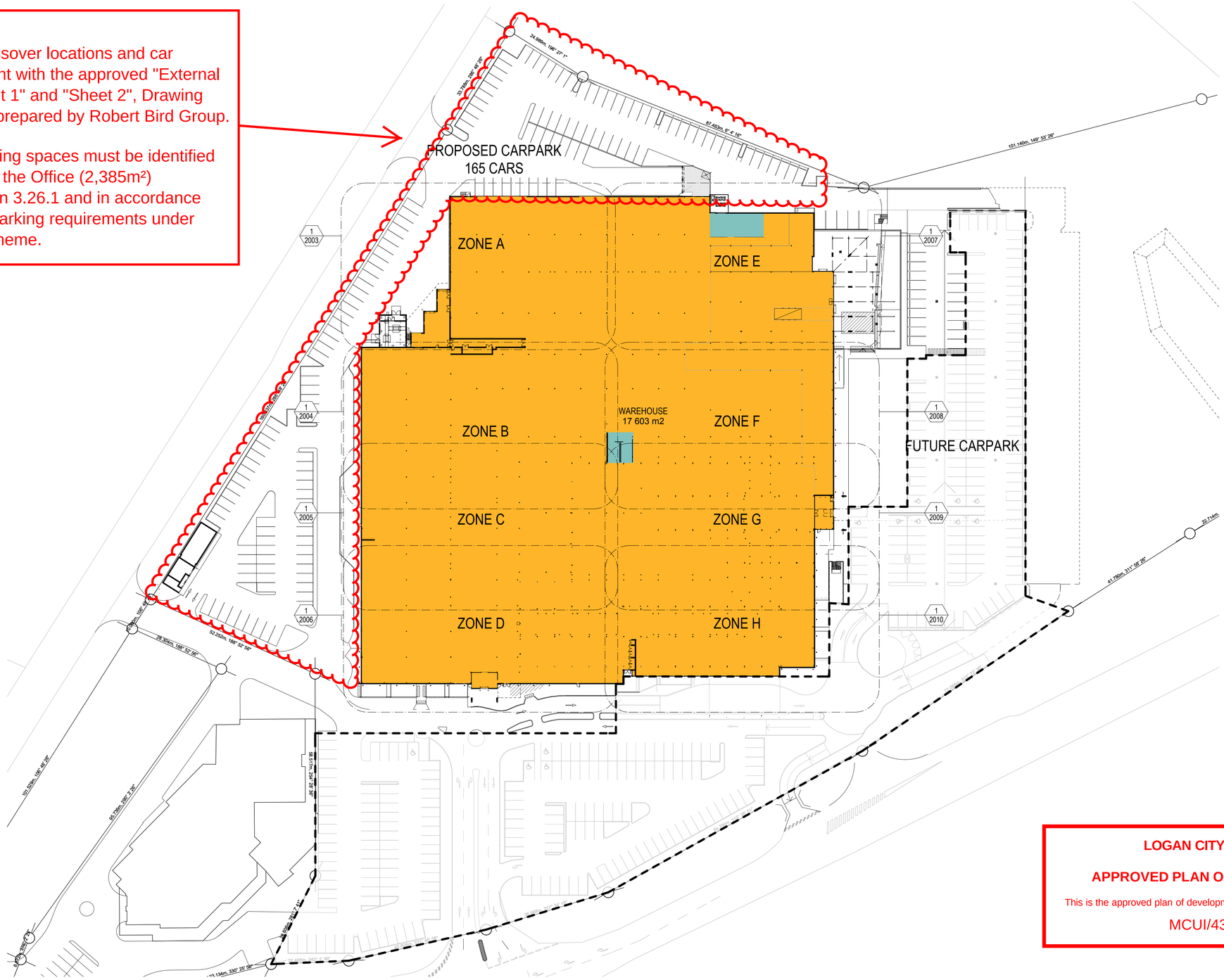
COUNCIL NOTE:
Amend the vehicle crossover locations and car parking layout consistent with the approved "External Roadworks Plans Sheet 1" and "Sheet 2", Drawing No. C9-01 and C9-02, prepared by Robert Bird Group.

A minimum 24 car parking spaces must be identified for the exclusive use of the Office (2,385m²) as required by Condition 3.26.1 and in accordance with the minimum car parking requirements under the Logan Planning Scheme.



LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

1 / - SITE PLAN
SCALE 1:625 @ A1
SCALE 1:1250@ A3

COTTEE PARKER
Brisbane
T 61 7 3846 7422
W cotteeparker.com.au
Cottee Parker Architects Pty Ltd
ABN 77 010 924 106

COPYRIGHT COTTEE PARKER ARCHITECTS PTY LTD

TONKEN PROPERTY GROUP

0 12.5 25 37.5 50 62.5
SCALE 1: 625 @ A1
SCALE 1: 1250@ A3

K:\1600\16005289 124 Distillery Rd\Architect\Production\ArchiCAD\Master\5289 Distillery Rd Master.pln: 15/03/2017: 11:52 AM

ISSUE	PURPOSE	DATE	D.	C.	A.
C	REVISED DA	15/03/17	CE	BM	BM
B	REVISED DA	10/03/17	CE	BM	BM
A	PRELIMINARY PLAN	28/02/17	CE	BM	BM

SCHEMATIC DESIGN

DISTILLERY ROAD
124 DISTILLERY ROAD, BEENLEIGH
CLIENT - TONKEN PROPERTY GROUP

DRAWING TITLE
(COUNCIL AMENDMENTS)**SITE PLAN**

JOB No	DRAWING No	ISSUE
5289	**DD1002**	**C**

COUNCIL NOTE:
Amend the vehicle crossover locations and car parking layout consistent with the approved "External Roadworks Plans Sheet 1" and "Sheet 2", Drawing No. C9-01 and C9-02, prepared by Robert Bird Group.

A minimum 24 car parking spaces must be identified for the exclusive use of the Office (2,385m²) as required by Condition 3.26.1 and in accordance with the minimum car parking requirements under the Logan Planning Scheme.

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

DRAWING CONTINUED ON 2010

DRAWING CONTINUED ON 2004

1 / - GROUND FLOOR- ZONE A
SCALE 1:100 @ A1
SCALE 1:200 @ A3

COTTEE PARKER
Brisbane
T 61 7 3846 7422
W cotteeparker.com.au
Cottee Parker Architects Pty Ltd
ABN 77 010 924 106
COPYRIGHT COTTEE PARKER ARCHITECTS PTY LTD

TONKEN PROPERTY GROUP

0 1 2 3 4 5 6 7 8 9 10
SCALE 1:100 @ A1
SCALE 1:200 @ A3

K:\1600\16005289 124 Distillery Rd\Architect\Production\ArchiCAD\Master\5289 Distillery Rd Master.pln: 15/03/2017: 11:52 AM

DISTILLERY ROAD
124 DISTILLERY ROAD, BEENLEIGH
CLIENT - TONKEN PROPERTY GROUP

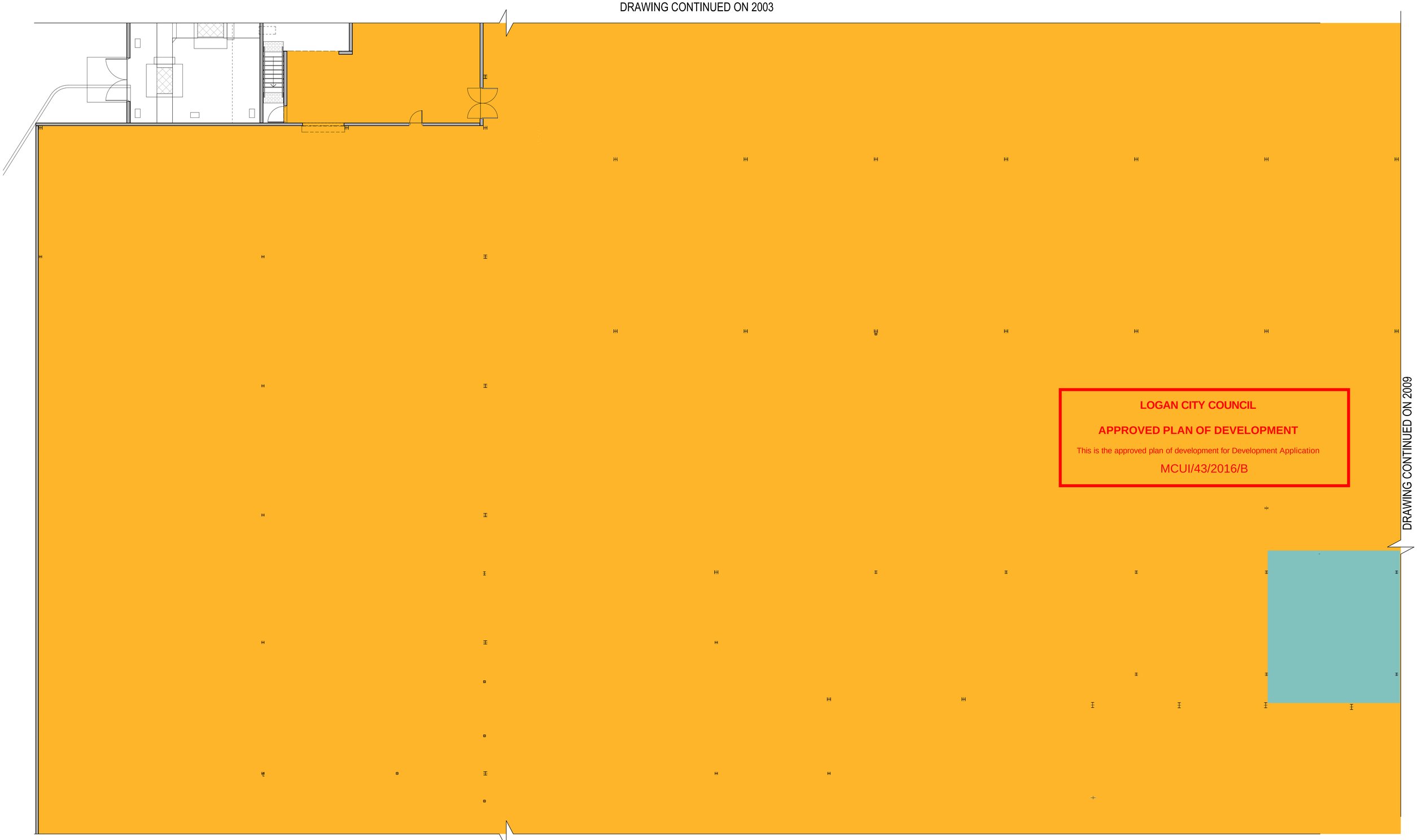
DRAWING TITLE
(COUNCIL AMENDMENTS) **FLOOR PLAN - ZONE A**

ISSUE	PURPOSE	DATE			
A	REVISED DA	15/03/17	CE	BM	BM

SCHEMATIC DESIGN

JOB No	DRAWING No	ISSUE
5289	DD2003	A

DRAWING CONTINUED ON 2003



LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

DRAWING CONTINUED ON 2009

DRAWING CONTINUED ON 2005

1 / - GROUND FLOOR- ZONE B
SCALE 1:100 @ A1
SCALE 1:200 @ A3

COTTEE PARKER
Brisbane
T 61 7 3846 7422
W cotteeparker.com.au
Cottee Parker Architects Pty Ltd
ABN 77 010 924 106
COPYRIGHT COTTEE PARKER ARCHITECTS PTY LTD

TONKEN PROPERTY GROUP

0 1 2 3 4 5 6 7 8 9 10
SCALE 1: 100 @ A1
SCALE 1: 200 @ A3

N

K:\1600\16005289 124 Distillery Rd\Architect\Production\ArchiCAD\Master\5289 Distillery Rd Master.pln: 15/03/2017: 11:52 AM

DISTILLERY ROAD
124 DISTILLERY ROAD, BEENLEIGH
CLIENT - TONKEN PROPERTY GROUP

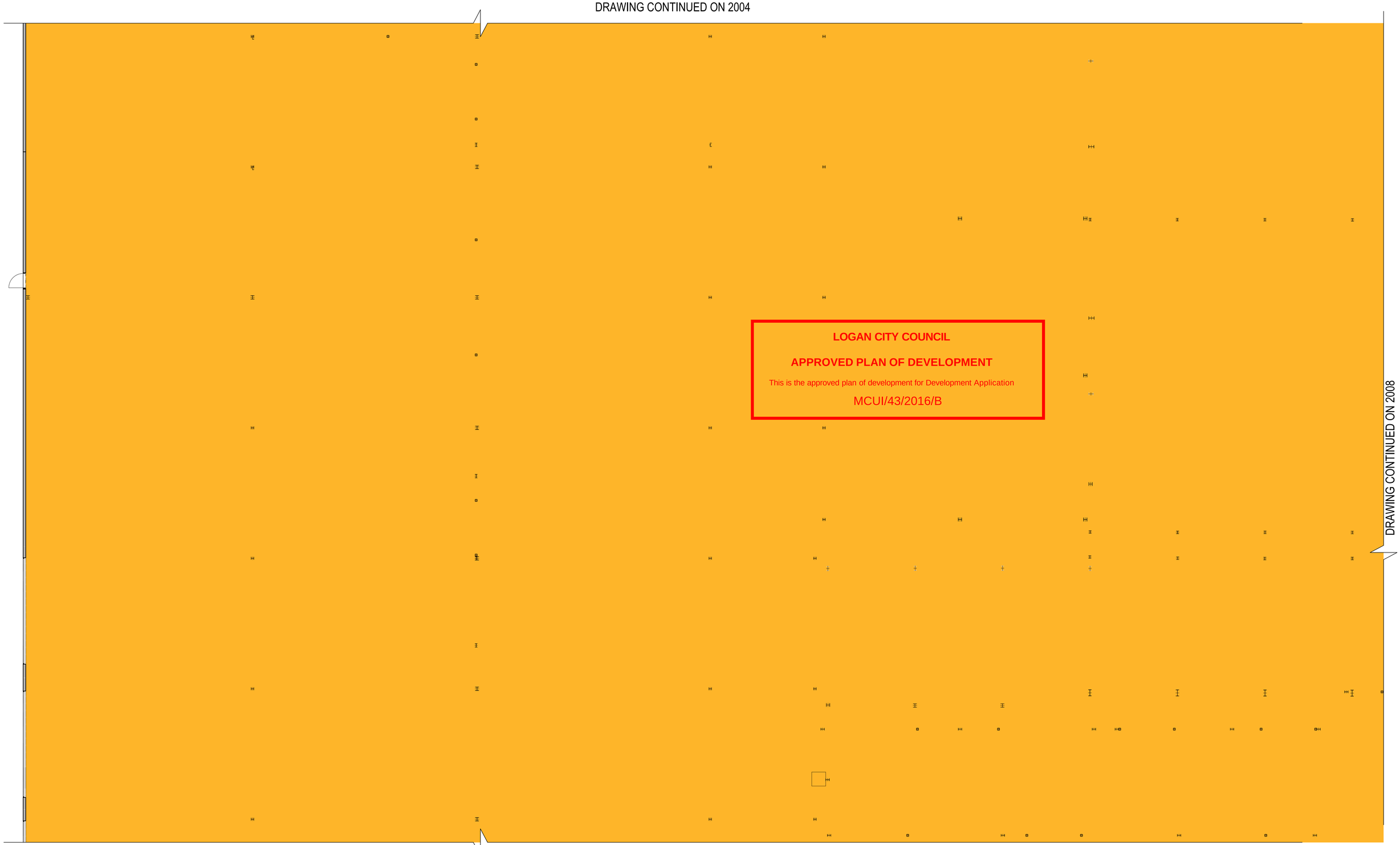
DRAWING TITLE
FLOOR PLAN - ZONE B

A REVISED DA	15/03/17	CE	BM	BM
ISSUE PURPOSE	**DATE**	**D.**	**C.**	**A.**

SCHEMATIC DESIGN

JOB No	DRAWING No	ISSUE
5289	**DD2004**	**A**

DRAWING CONTINUED ON 2004



DRAWING CONTINUED ON 2008

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

DRAWING CONTINUED ON 2006

1 / - GROUND FLOOR- ZONE C

SCALE 1:100 @ A1

SCALE 1:200 @ A3

COTTEE PARKER

Brisbane

T 61 7 3846 7422

W cotteeparker.com.au

Cottee Parker Architects Pty Ltd

ABN 77 010 924 106

COPYRIGHT COTTEE PARKER ARCHITECTS PTY LTD

TONKEN PROPERTY GROUP

0 1 2 3 4 5 6 7 8 9 10

SCALE 1: 100 @ A1

SCALE 1: 200 @ A3

N

K:\1600\16005289 124 Distillery Rd\Architect\Production\ArchiCAD\Master\5289 Distillery Rd Master.pln; 15/03/2017; 11:52 AM

ISSUE	PURPOSE	DATE	D.	C.	A.
B	REVISED DA	15/03/17	CE	BM	BM
A	REVISED DA	10/03/17	CE	BM	BM

SCHEMATIC DESIGN

DISTILLERY ROAD

124 DISTILLERY ROAD, BEENLEIGH

CLIENT - TONKEN PROPERTY GROUP

DRAWING TITLE

FLOOR PLAN - ZONE C

JOB No	DRAWING No	ISSUE
5289	DD2005	B

DRAWING CONTINUED ON 2005

DRAWING CONTINUED ON 2007

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

1 / - GROUND FLOOR- ZONE D

SCALE 1:100 @ A1

SCALE 1:200 @ A3

COTTEE PARKER

Brisbane

T 61 7 3846 7422

W cotteeparker.com.au

Cottee Parker Architects Pty Ltd

ABN 77 010 924 106

COPYRIGHT COTTEE PARKER ARCHITECTS PTY LTD

TONKEN PROPERTY GROUP

0 1 2 3 4 5 6 7 8 9 10

SCALE 1:100 @ A1

SCALE 1:200 @ A3

N

K:\1600\16005289 124 Distillery Rd\Architect\Production\ArchiCAD\Master\5289 Distillery Rd Master.pln: 15/03/2017: 11:52 AM

ISSUE	PURPOSE	DATE			
B	REVISED DA	15/03/17	CE	BM	BM
A	REVISED DA	10/03/17	CE	BM	BM
			D.	C.	A.

SCHEMATIC DESIGN

DISTILLERY ROAD

124 DISTILLERY ROAD, BEENLEIGH

CLIENT - TONKEN PROPERTY GROUP

DRAWING TITLE

FLOOR PLANS- ZONE D

JOB No	DRAWING No	ISSUE
5289	DD2006	B

DRAWING CONTINUED ON 2008

DRAWING CONTINUED ON 2006

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

1
-
GROUND FLOOR- ZONE E
SCALE 1:100 @ A1
SCALE 1:200 @ A3

COTTEE PARKER

Brisbane

T 61 7 3846 7422
W cotteeparker.com.au
Cottee Parker Architects Pty Ltd
ABN 77 010 924 106

COPYRIGHT COTTEE PARKER ARCHITECTS PTY LTD

TONKEN
PROPERTY GROUP

0 1 2 3 4 5 6 7 8 9 10
SCALE 1: 100 @ A1
SCALE 1: 200 @ A3

N

K:\1600\16005289 124 Distillery Rd\Architect\Production\ArchiCAD\Master\5289 Distillery Rd Master.pln: 15/03/2017: 11:52 AM

ISSUE	PURPOSE	DATE	D.	C.	A.
B	REVISED DA	15/03/17	CE	BM	BM
A	REVISED DA	10/03/17	CE	BM	BM

SCHEMATIC DESIGN

DISTILLERY ROAD

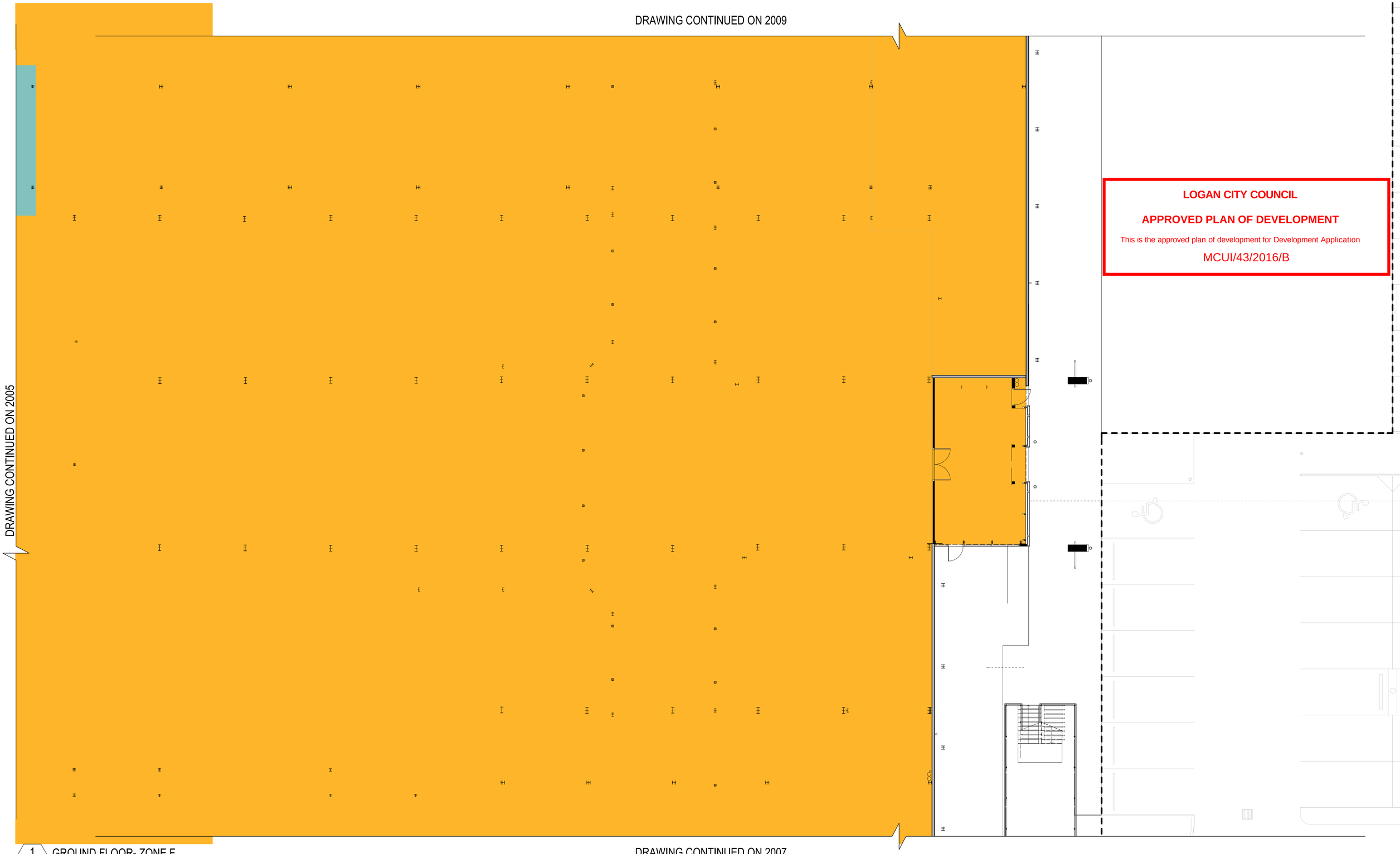
124 DISTILLERY ROAD, BEENLEIGH
CLIENT - TONKEN PROPERTY GROUP

DRAWING TITLE
FLOOR PLANS- ZONE E

JOB No	DRAWING No	ISSUE
5289	DD2007	B

DRAWING CONTINUED ON 2009

DRAWING CONTINUED ON 2005



LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

DRAWING CONTINUED ON 2007

1 - GROUND FLOOR- ZONE F

SCALE 1:100 @ A1
SCALE 1:200 @ A3

0 1 2 3 4 5 6 7 8 9 10

SCALE 1: 100 @ A1
SCALE 1: 200 @ A3

COTTEE PARKER

Brisbane

T 61 7 3846 7422
W cotteeparker.com.au
Cottee Parker Architects Pty Ltd
ABN 77 010 924 106

COPYRIGHT COTTEE PARKER ARCHITECTS PTY LTD

TONKEN PROPERTY GROUP

K:\1600\16005289 124 Distillery Rd\Architect\Production\ArchiCAD\Master\5289 Distillery Rd Master.pln; 15/03/2017; 11:52 AM

ISSUE	PURPOSE	DATE	D.	C.	A.
B	REVISED DA	15/03/17	CE	BM	BM
A	REVISED DA	10/03/17	CE	BM	BM

SCHEMATIC DESIGN

DISTILLERY ROAD

124 DISTILLERY ROAD, BEENLEIGH

CLIENT - TONKEN PROPERTY GROUP

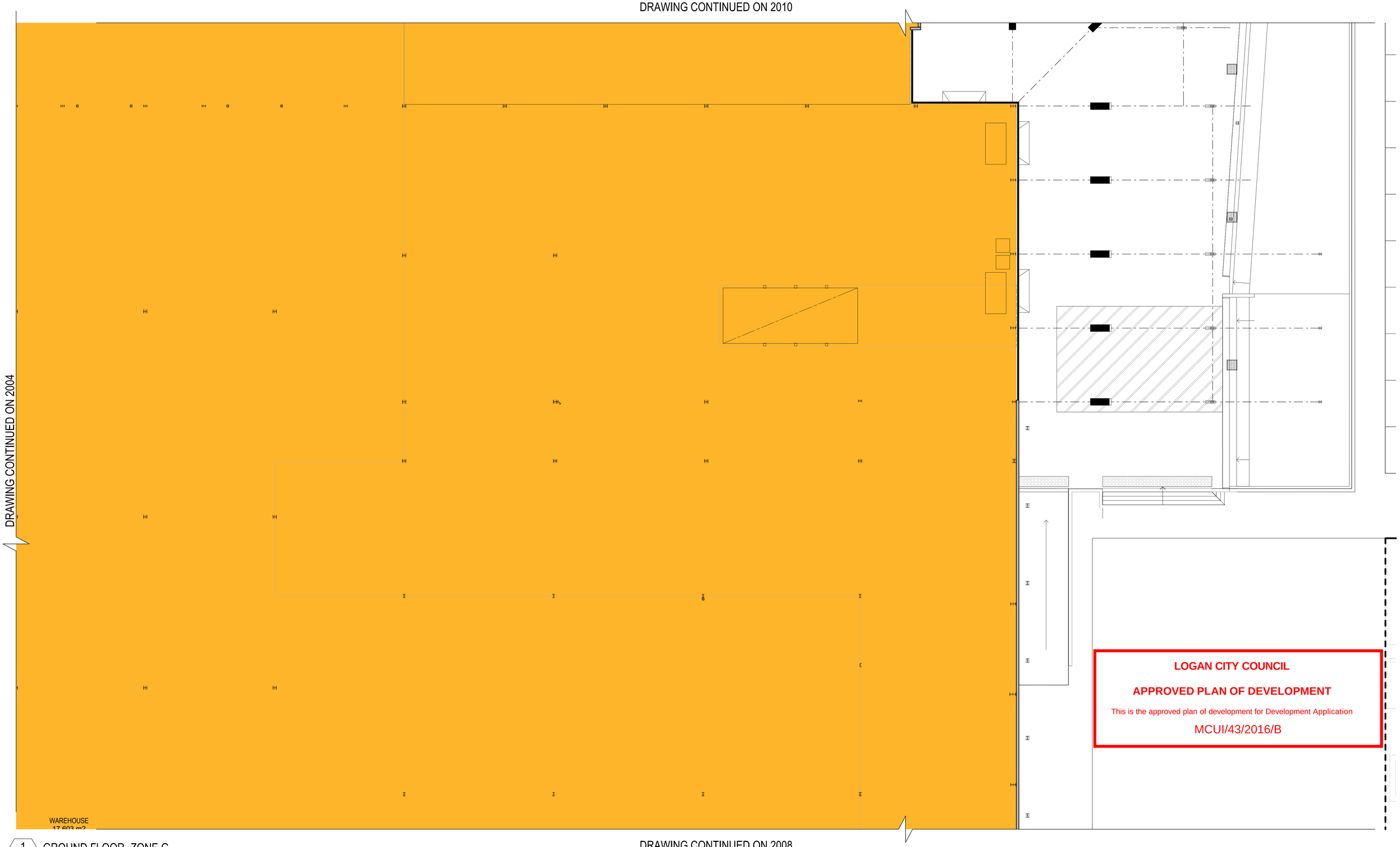
DRAWING TITLE

FLOOR PLANS- ZONE F

JOB No	DRAWING No	ISSUE
5289	DD2008	B

DRAWING CONTINUED ON 2010

DRAWING CONTINUED ON 2004



DRAWING CONTINUED ON 2008

1 / - GROUND FLOOR- ZONE G
SCALE 1:100 @ A1
SCALE 1:200 @ A3

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

COTTEE PARKER
Brisbane
T 61 7 3846 7422
W cotteeparker.com.au
Cottee Parker Architects Pty Ltd
ABN 77 010 924 106
COPYRIGHT COTTEE PARKER ARCHITECTS PTY LTD

TONKEN PROPERTY GROUP

0 1 2 3 4 5 6 7 8 9 10
SCALE 1: 100 @ A1
SCALE 1: 200 @ A3

K:\1600\16005289 124 Distillery Rd\Architect\Production\ArchiCAD\Master\5289 Distillery Rd Master.pln; 15/03/2017; 11:52 AM

ISSUE	PURPOSE	DATE	D.	C.	A.
B	REVISED DA	15/03/17	CE	BM	BM
A	REVISED DA	10/03/17	CE	BM	BM

SCHEMATIC DESIGN

DISTILLERY ROAD

124 DISTILLERY ROAD, BEENLEIGH
CLIENT - TONKEN PROPERTY GROUP

DRAWING TITLE
FLOOR PLANS- ZONE G

JOB No	DRAWING No	ISSUE
5289	DD2009	B

COUNCIL NOTE:
Amend the vehicle crossover locations and car parking layout consistent with the approved "External Roadworks Plans Sheet 1" and "Sheet 2", Drawing No. C9-01 and C9-02, prepared by Robert Bird Group.

A minimum 24 car parking spaces must be identified for the exclusive use of the Office (2,385m²) as required by Condition 3.26.1 and in accordance with the minimum car parking requirements under the Logan Planning Scheme.

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

DRAWING CONTINUED ON 2003

DRAWING CONTINUED ON 2009

1 / - GROUND FLOOR- ZONE H

SCALE 1:100 @ A1
SCALE 1:200 @ A3

0 1 2 3 4 5 6 7 8 9 10

SCALE 1: 100 @ A1
SCALE 1: 200 @ A3

N

COTTEE PARKER

Brisbane
T 61 7 3846 7422
W cotteeparker.com.au
Cottee Parker Architects Pty Ltd
ABN 77 010 924 106

COPYRIGHT COTTEE PARKER ARCHITECTS PTY LTD

TONKEN PROPERTY GROUP

K:\1600\16005289 124 Distillery Rd\Architect\Production\ArchiCAD\Master\5289 Distillery Rd Master.pln: 15/03/2017: 11:52 AM

ISSUE PURPOSE	DATE	D.	C.	A.
B REVISED DA	15/03/17	CE	BM	BM
A REVISED DA	10/03/17	CE	BM	BM

SCHEMATIC DESIGN

DISTILLERY ROAD

124 DISTILLERY ROAD, BEENLEIGH

CLIENT - TONKEN PROPERTY GROUP

DRAWING TITLE

(COUNCIL AMENDMENTS) **FLOOR PLANS- ZONE H**

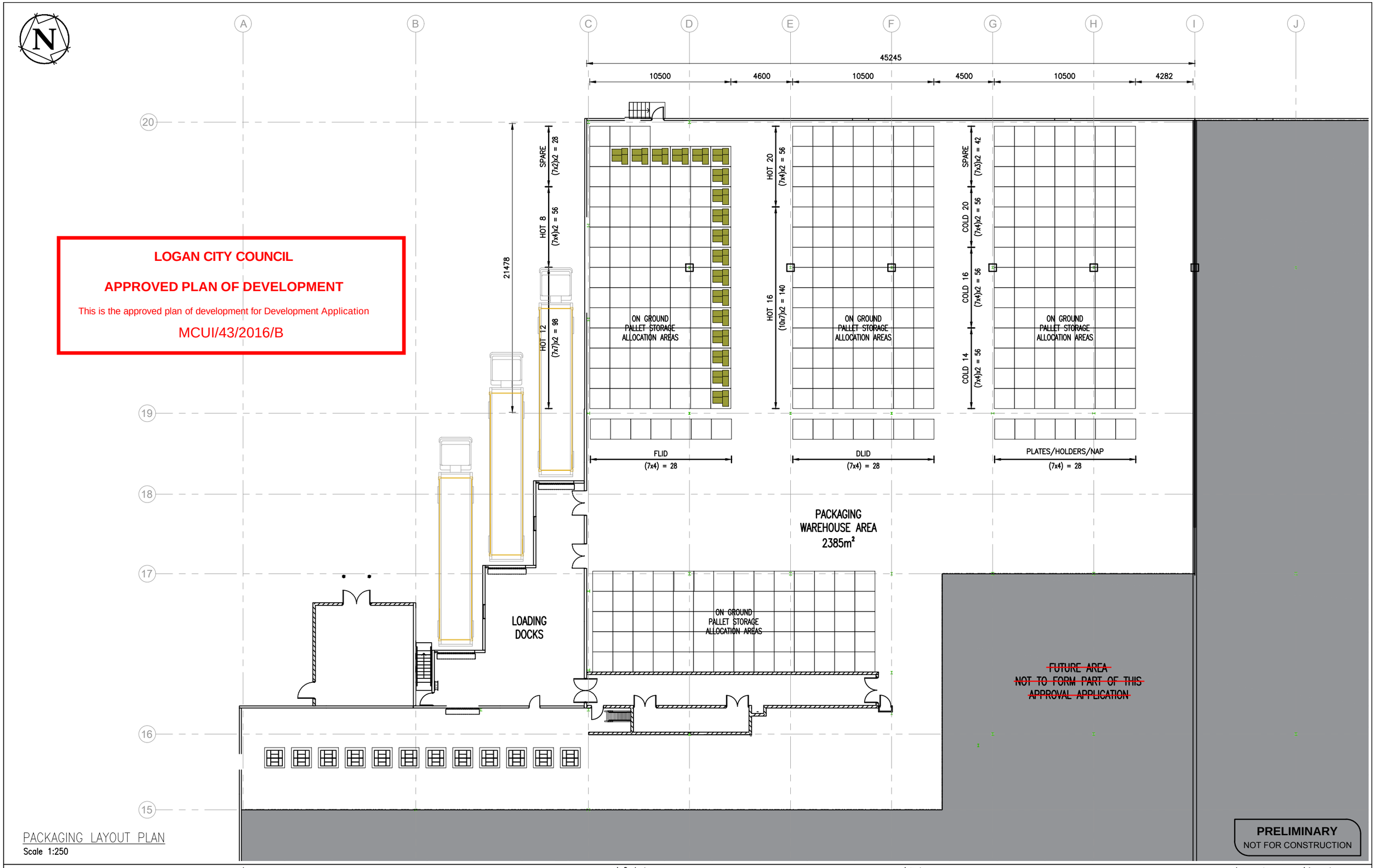
JOB No	DRAWING No	ISSUE
5289	DD2010	B

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B



PACKAGING LAYOUT PLAN

Scale 1:250

PRELIMINARY
NOT FOR CONSTRUCTION

COPYRIGHT

These designs and plans are subject to Copyright, and not to be reproduced wholly or in part without the written consent of the designer at Tonken Property Group Pty. Ltd.
Do no scale from drawing.
All dimensions to be verified on site.
Check all discrepancies with Tonken Property Group Pty. Ltd.

TONKEN PROPERTY GROUP

Project:
NEW MULTI PURPOSE CENTRE
EXIT 35
PACIFIC HIGHWAY
BEENLEIGH

Title:
PACKAGING LAYOUT PLAN

Created Date:	Drawn by:
28.10.15	KW
Scale: AS SHOWN	Page Size: A3
Drawing No. 2500 - P02	Rev. P8

COUNCIL NOTE:
Amend the external works, vehicle crossover locations and car parking layout consistent with the approved "External Roadworks Plans Sheet 1" and "Sheet 2", Drawing No. C9-01 and C9-02, prepared by Robert Bird Group.

LEGEND

- SITE BOUNDARY
- 2.50 EXISTING CONTOURS
- CATCH DRAIN
- SEDIMENT FENCE
- ROCK CHECK DAM
- GULLY INLET PROTECTION
- SHAKER GRID

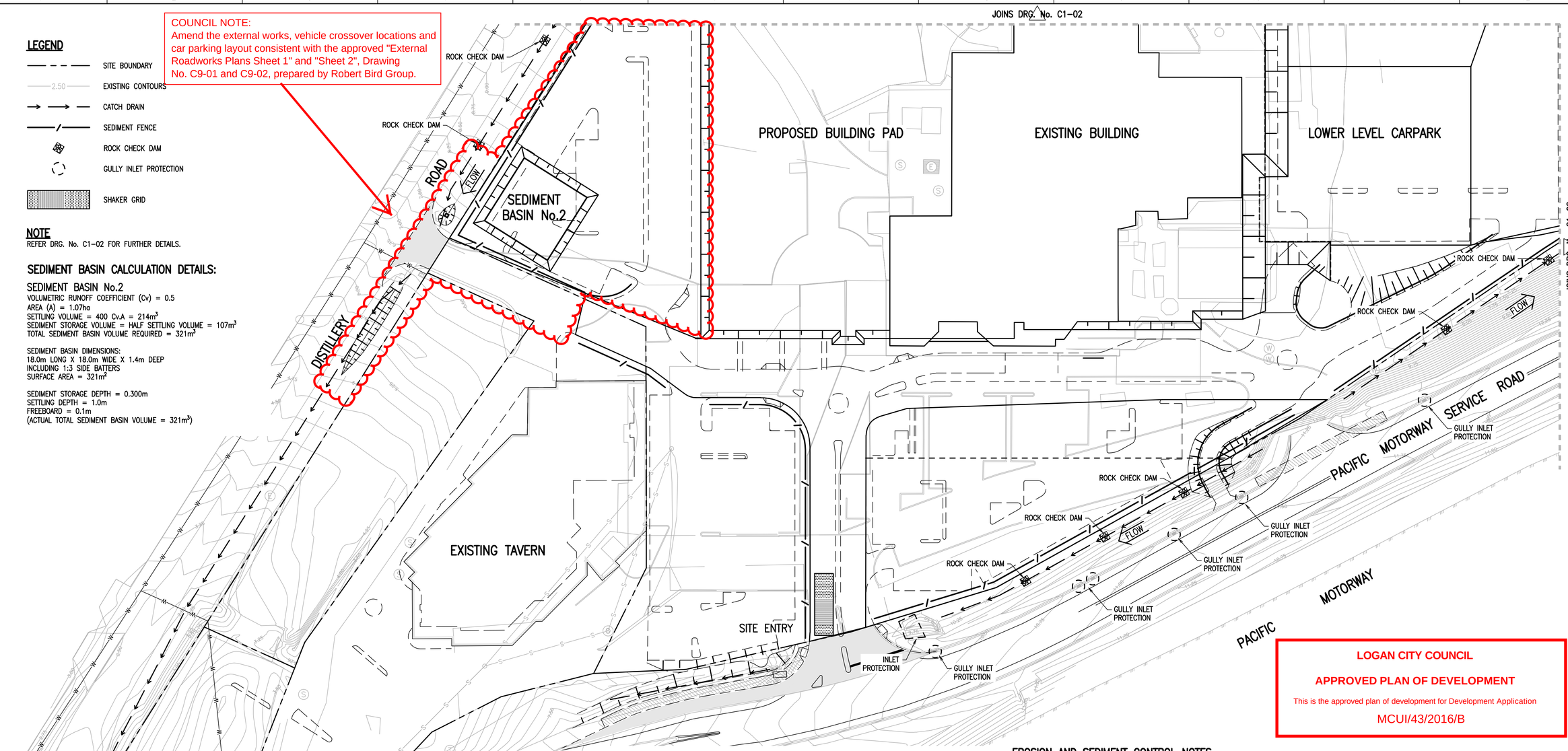
NOTE
REFER DRG. No. C1–02 FOR FURTHER DETAILS.

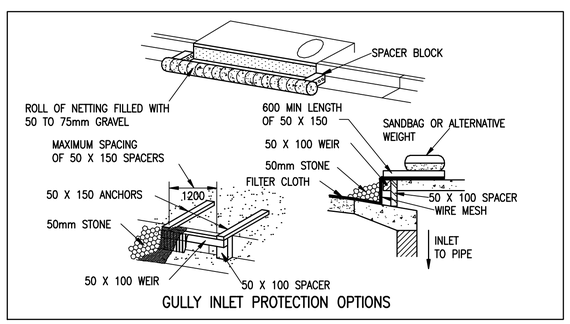
SEDIMENT BASIN CALCULATION DETAILS:

SEDIMENT BASIN No.2
VOLUMETRIC RUNOFF COEFFICIENT (Cv) = 0.5
AREA (A) = 1.07ha
SETTLING VOLUME = 400 Cv.A = 214m³
SEDIMENT STORAGE VOLUME = HALF SETTLING VOLUME = 107m³
TOTAL SEDIMENT BASIN VOLUME REQUIRED = 321m³

SEDIMENT BASIN DIMENSIONS:
18.0m LONG X 18.0m WIDE X 1.4m DEEP
INCLUDING 1:3 SIDE BATTERS
SURFACE AREA = 321m²

SEDIMENT STORAGE DEPTH = 0.300m
SETTLING DEPTH = 1.0m
FREEBOARD = 0.1m
(ACTUAL TOTAL SEDIMENT BASIN VOLUME = 321m³)





GULLY INLET PROTECTION OPTIONS

EROSION AND SEDIMENT CONTROL NOTES

1. SEDIMENTATION DEVICES MUST COMPLY WITH:
   - SOIL AND EROSION CONTROL ENGINEERING GUIDELINES FOR QUEENSLAND CONSTRUCTION SITES 1996 OR LATER VERSION (THE INSTITUTE OF ENGINEERS AUSTRALIA (QLD.)).
   - SEDIMENT BASIN DESIGN, CONSTRUCTION AND MAINTENANCE GUIDELINES FEB. 2000 OR LATER VERSION (BRISBANE CITY COUNCIL).
   - EROSION AND SEDIMENT CONTROL STANDARD VERSION 9 OR LATER (BRISBANE CITY COUNCIL).
2. ALL EROSION AND SEDIMENT CONTROL DEVICES ARE TO BE INSPECTED AT LEAST WEEKLY, PRIOR TO EXPECTED RAINFALL AND AFTER RAINFALL. ANY DAMAGE OR EXCESS EROSION/SEDIMENT IS TO BE REPAIRED/MANAGED AS REQUIRED TO MAINTAIN CONTROL DEVICES.
3. WATER QUALITY SAMPLES MUST BE TAKEN AND ANALYSED PRIOR TO RELEASE OF ANY WATER FROM THE SITE. WATER QUALITY MUST SATISFY THE FOLLOWING CRITERIA AT ALL TIMES: TSS , 20NTU, PH BETWEEN 6.5 AND 8.5 AT ALL TIMES. RESULTS ARE REQUIRED WITHIN 48 HOURS OF SAMPLING. ALL WATER QUALITY DATA INCLUDING DATES OF RAINFALL AND WATER RELEASE, MUST BE MAINTAINED IN AN ON–SITE REGISTER. THIS REGISTER IS TO BE MAINTAINED FOR THE DURATION OF THE APPROVED WORKS, AND BE AVAILABLE ON–SITE FOR INSPECTION BY COUNCIL OFFICERS ON REQUEST.
   IF TSS (TOTAL SUSPENDED SOLIDS) OF 20NTU CAN NOT BE ACHIEVED THEN THE TRAPPED SILT LADDEN WATER SHALL BE FLOCCULATED WITH GYPSUM APPLIED AT A RATE OF APPROXIMATELY 32KG/100m².
4. THE CONTRACTOR SHALL PROVIDE A PLAN TO COUNCIL SPECIFYING CONTROLS FOR THE VAROIUS CONSTRUCTION PHASES.
5. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE SUPPLEMENTED AS REQUIRED TO COMPLY WITH I.E. AUST. (QUEENSLAND DIVISION) "SOIL EROSION AND SEDIMENT ENGINEERING GUIDELINES FOR QUEENSLAND CONSTRUCTION SITES" (JUNE 1996)
6. ALL SEDIMENT AND EROSION CONTROL WORKS TO BE MAINTAINED AT ALL TIMES. ALL SUCH WORKS TO BE REMOVED IMMEDIATELY PRIOR TO FINAL COMPLETION OR AS DIRECTED BY THE SUPERINTENDANT, INCLUDING RESTORATION OF ALL SURFACES TO PRE–EXISTING CONDITION.
7. UNDER NO CIRCUMSTANCES IS FILL TO BE PLACED ON OR ALLOWED TO ESCAPE INTO ADJOINING PROPERTY.
8. TOP SOIL STOCKPILES TO BE NOT GREATER THAN 1.0M HIGH. ALL TEMPORARY STOCKPILES (OVER FOUR WEEKS) TO BE GRASSED WITH RYE, OATS OR MILLET (20KG/HA). ALL STOCKPILES TO BE LOCATED CLEAR OF WATERCOURSES AND DRAINAGE WORKS.
9. ALL DISTURBED SURFACES, BOTH CUT & FILL INCLUDING FOOTPATHS, ARE TO BE REVEGITATED TO THE LANDSCAPE ARCHITECTS REQUIREMENTS.
10. CONTRACTOR TO RETAIN VEGETATION COVER TO ALL LANDSCAPED AREAS OF THE SITE WHERE POSSIBLE.
11. PROVIDE GULLY INLET PROTECTION TO THE NEXT DOWNSTREAM PIT.

LOGAN CITY COUNCIL
APPROVED PLAN OF DEVELOPMENT
This is the approved plan of development for Development Application
MCUI/43/2016/B

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'.

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS
REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:500
0 10 20 30 m

Rev.	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	07.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS – PRELIM ISSUE	SJ	BR	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
C1	ISSUE FOR CONSTRUCTION	AW	CR	21.02.08

Structural & Civil Engineering Consultant
RobertBirdGroup
BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre, Brisbane, QLD 4001
Level 16 ANZ Centre
324 Queen St, Brisbane QLD
Ph. (07) 3319 2777
Fax. (07) 3319 2799
ACN 010 580 348
Web Site: www.robertbird.com

Client: QUINN GROUP

Title: EROSION AND SEDIMENT CONTROL PLAN 1 OF 2

Project: OC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
13.09.07	CR	--
Scale @ A1	Drawn	Approved
1:500	GF	----
Job Number	Drawing Number	Revision
07365	C1–01	C1

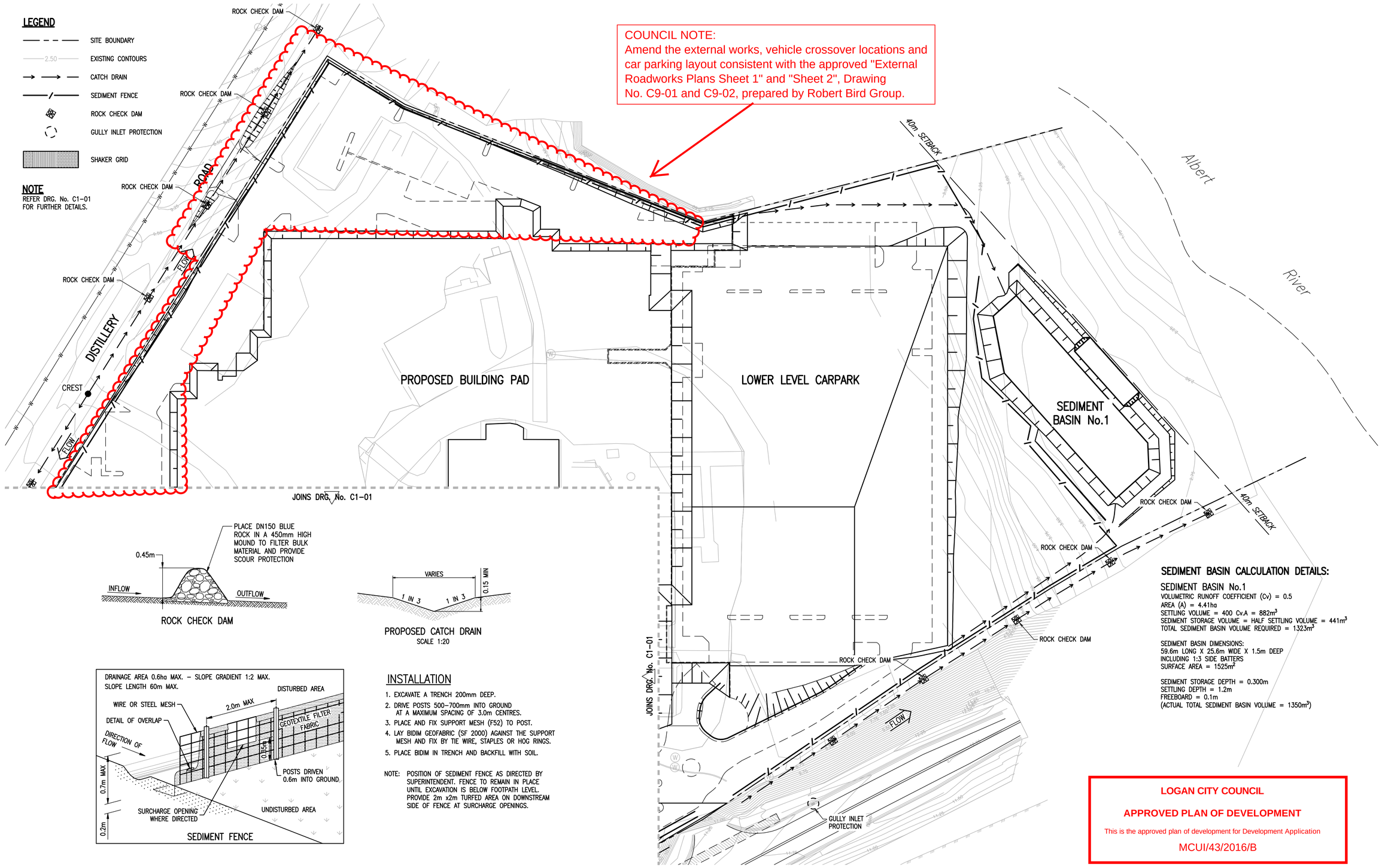
A1
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

LEGEND

- SITE BOUNDARY
- 2.50 EXISTING CONTOURS
- CATCH DRAIN
- SEDIMENT FENCE
- ROCK CHECK DAM
- GULLY INLET PROTECTION
- SHAKER GRID

NOTE
REFER DRG. No. C1–01 FOR FURTHER DETAILS.

COUNCIL NOTE:
Amend the external works, vehicle crossover locations and car parking layout consistent with the approved "External Roadworks Plans Sheet 1" and "Sheet 2", Drawing No. C9-01 and C9-02, prepared by Robert Bird Group.



ROCK CHECK DAM

PROPOSED CATCH DRAIN
SCALE 1:20

SEDIMENT FENCE

INSTALLATION

1. EXCAVATE A TRENCH 200mm DEEP.
2. DRIVE POSTS 500–700mm INTO GROUND AT A MAXIMUM SPACING OF 3.0m CENTRES.
3. PLACE AND FIX SUPPORT MESH (F52) TO POST.
4. LAY BIDIM GEOFABRIC (SF 2000) AGAINST THE SUPPORT MESH AND FIX BY TIE WIRE, STAPLES OR HOG RINGS.
5. PLACE BIDIM IN TRENCH AND BACKFILL WITH SOIL.

NOTE: POSITION OF SEDIMENT FENCE AS DIRECTED BY SUPERINTENDENT. FENCE TO REMAIN IN PLACE UNTIL EXCAVATION IS BELOW FOOTPATH LEVEL. PROVIDE 2m x2m TURFED AREA ON DOWNSTREAM SIDE OF FENCE AT SURCHARGE OPENINGS.

SEDIMENT BASIN CALCULATION DETAILS:

SEDIMENT BASIN No.1
VOLUMETRIC RUNOFF COEFFICIENT (Cv) = 0.5
AREA (A) = 4.41ha
SETTLING VOLUME = 400 Cv.A = 882m³
SEDIMENT STORAGE VOLUME = HALF SETTLING VOLUME = 441m³
TOTAL SEDIMENT BASIN VOLUME REQUIRED = 1323m³

SEDIMENT BASIN DIMENSIONS:
59.6m LONG X 25.6m WIDE X 1.5m DEEP
INCLUDING 1:3 SIDE BATTERS
SURFACE AREA = 1525m²

SEDIMENT STORAGE DEPTH = 0.300m
SETTLING DEPTH = 1.2m
FREEBOARD = 0.1m
(ACTUAL TOTAL SEDIMENT BASIN VOLUME = 1350m³)

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:500
0 10 20 30 m

Rev.	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	07.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS – PRELIM ISSUE	SJ	BR	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
C1	ISSUE FOR CONSTRUCTION	AW	CR	21.02.08

Structural & Civil Engineering Consultant
RobertBirdGroup
BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre,
Brisbane, QLD 4001
Level 16 AMZ Centre
324 Queen St, Brisbane QLD
Ph. (07) 3319 2777
Fax. (07) 3319 2799
ACN 010 580 248
Web Site: www.robertbird.com

Client
QUINN GROUP

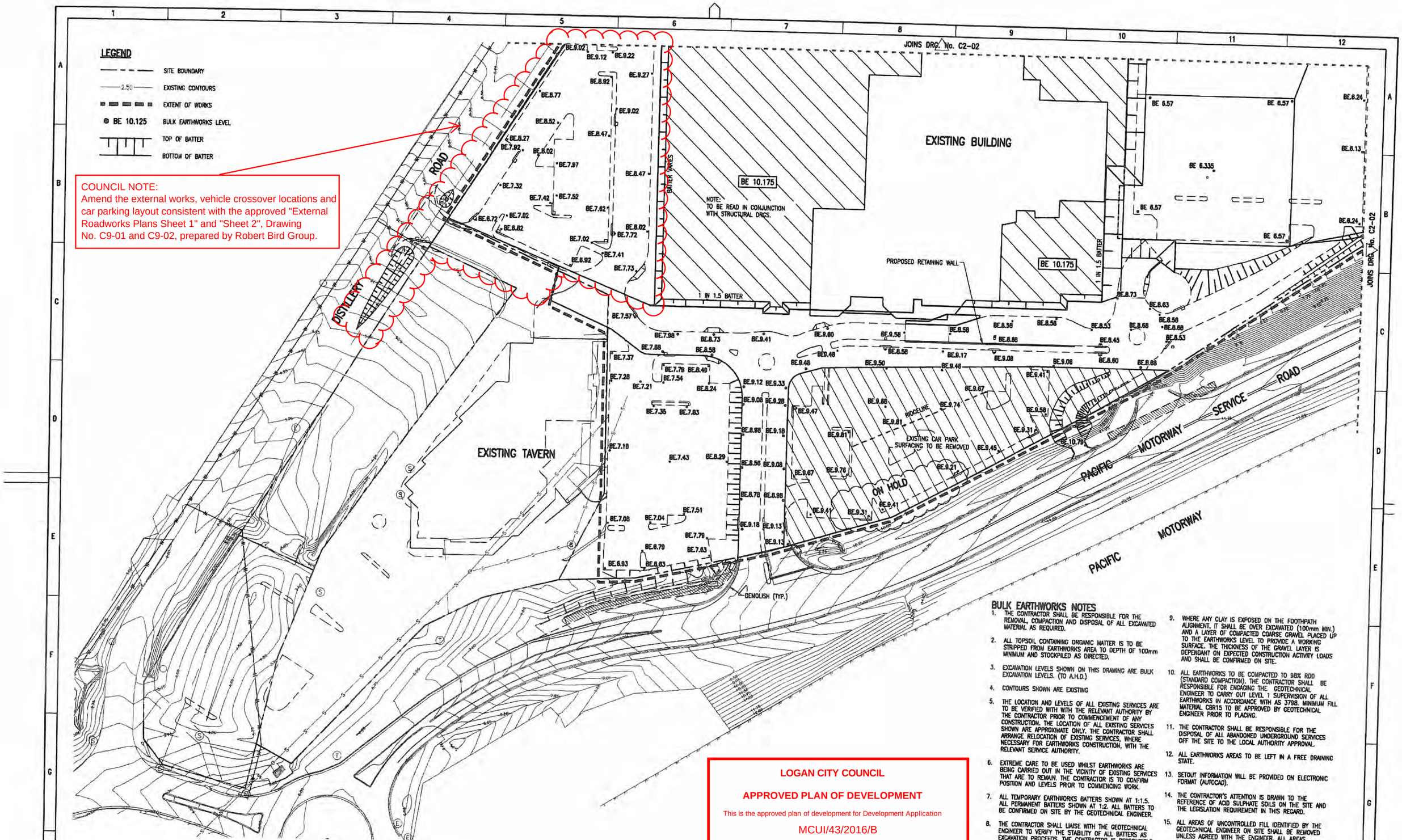
Title
EROSION AND SEDIMENT CONTROL PLAN 2 OF 2

Project
OC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
07.09.07	CR	—
Scale @ A1	Drawn	Approved
1:500	GF	—
Job Number	Drawing Number	Revision
07365	C1–02	C1

A1
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



BULK EARTHWORKS NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, COMPACTION AND DISPOSAL OF ALL EXCAVATED MATERIAL AS REQUIRED.
2. ALL TOPSOIL CONTAINING ORGANIC MATTER IS TO BE STRIPPED FROM EARTHWORKS AREA TO DEPTH OF 100mm MINIMUM AND STOCKPILED AS DIRECTED.
3. EXCAVATION LEVELS SHOWN ON THIS DRAWING ARE BULK EXCAVATION LEVELS. (TO A.H.D.)
4. CONTOURS SHOWN ARE EXISTING
5. THE LOCATION AND LEVELS OF ALL EXISTING SERVICES ARE TO BE VERIFIED WITH WITH THE RELEVANT AUTHORITY BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. THE LOCATION OF ALL EXISTING SERVICES SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL ARRANGE RELOCATION OF EXISTING SERVICES, WHERE NECESSARY FOR EARTHWORKS CONSTRUCTION, WITH THE RELEVANT SERVICE AUTHORITY.
6. EXTREME CARE TO BE USED WHILST EARTHWORKS ARE BEING CARRIED OUT IN THE VICINITY OF EXISTING SERVICES THAT ARE TO REMAIN. THE CONTRACTOR IS TO CONFIRM POSITION AND LEVELS PRIOR TO COMMENCING WORK.
7. ALL TEMPORARY EARTHWORKS BATTERS SHOWN AT 1:1.5. ALL PERMANENT BATTERS SHOWN AT 1:2. ALL BATTERS TO BE CONFIRMED ON SITE BY THE GEOTECHNICAL ENGINEER.
8. THE CONTRACTOR SHALL LIAISE WITH THE GEOTECHNICAL ENGINEER TO VERIFY THE STABILITY OF ALL BATTERS AS EXCAVATION PROCEEDS. THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE OF BATTERS DURING CONSTRUCTION OF BULK EARTHWORKS AND RETAINING WALLS.
9. WHERE ANY CLAY IS EXPOSED ON THE FOOTHPATH ALIGNMENT, IT SHALL BE OVER EXCAVATED (100mm MIN.) AND A LAYER OF COMPACTED COARSE GRAVEL PLACED UP TO THE EARTHWORKS LEVEL TO PROVIDE A WORKING SURFACE. THE THICKNESS OF THE GRAVEL LAYER IS DEPENDANT ON EXPECTED CONSTRUCTION ACTIVITY LOADS AND SHALL BE CONFIRMED ON SITE.
10. ALL EARTHWORKS TO BE COMPACTED TO 98% RDD (STANDARD COMPACTION). THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENGAGING THE GEOTECHNICAL ENGINEER TO CARRY OUT LEVEL 1 SUPERVISION OF ALL EARTHWORKS IN ACCORDANCE WITH AS 3798. MINIMUM FILL MATERIAL CBR15 TO BE APPROVED BY GEOTECHNICAL ENGINEER PRIOR TO PLACING.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISPOSAL OF ALL ABANDONED UNDERGROUND SERVICES OFF THE SITE TO THE LOCAL AUTHORITY APPROVAL.
12. ALL EARTHWORKS AREAS TO BE LEFT IN A FREE DRAINING STATE.
13. SETOUT INFORMATION WILL BE PROVIDED ON ELECTRONIC FORMAT (AUTOCAD).
14. THE CONTRACTOR'S ATTENTION IS DRAWN TO THE REFERENCE OF ACID SULPHATE SOILS ON THE SITE AND THE LEGISLATION REQUIREMENT IN THIS REGARD.
15. ALL AREAS OF UNCONTROLLED FILL IDENTIFIED BY THE GEOTECHNICAL ENGINEER ON SITE SHALL BE REMOVED UNLESS AGREED WITH THE ENGINEER. ALL AREAS IDENTIFIED BELOW THE BUILDING ARE TO BE REMOVED.

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'.

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:500

0 10 20 30 m

Rev.	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	10.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS - PRELIM ISSUE	SJ	BR	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
T2	ISSUE FOR TENDER	AW	CR	29.10.07
T3	ISSUE FOR TENDER	AW	CR	27.11.07
T4	BULK EARTHWORKS PAD RAISED	AW	CR	13.12.07
C1	UPDATED LAYOUT AND LEVELS	AW	CR	05.02.08
C2	UPDATED LEVELS	AW	CR	15.02.08
P3	ISSUE FOR DISCUSSION	AW	CR	19.08.08
C3	ISSUE FOR CONSTRUCTION	AW	CR	20.08.08

Structural & Civil Engineering Consultant

RobertBirdGroup

BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre,
Brisbane, QLD 4001
Level 16 AMP Centre
324 Queen St, Brisbane QLD
Ph. (07) 3319 2777
Fax. (07) 3319 2799
ACN 010 505 244
Web Site: www.robertbird.com

Client: QUINN GROUP

Title: BULK EARTHWORKS LAYOUT PLAN SHEET 1 OF 2

Project: OC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
10.09.07	CR	---
Scale @ A1	Drawn	Approved
1:500	GF	---
Job Number	Drawing Number	Revision
07365	C2-01	C3

COUNCIL NOTE:
Amend the external works, vehicle crossover locations and car parking layout consistent with the approved "External Roadworks Plans Sheet 1" and "Sheet 2", Drawing No. C9-01 and C9-02, prepared by Robert Bird Group.

LEGEND
- SITE BOUNDARY
- EXISTING CONTOURS
- EXTENT OF WORKS
- BE 10.125 BULK EARTHWORKS LEVEL
- TOP OF BATTER
- BOTTOM OF BATTER

ROAD
DISTILLERY
Albert River
40m SETBACK
PROPOSED RETAINING WALL RW1 REFER DRG. C2-21 FOR DETAIL
PROPOSED RETAINING WALL RW2 REFER DRG. C2-21 FOR DETAIL
PROPOSED RETAINING WALL RW1 REFER DRG. C2-21 FOR DETAIL
1 IN 1.5 BATTER
1 IN 2 BATTER
DEMOLISH (TYP.)
BATTER VARIES
BE 10.175
BE 1.20
NOTE:
TO BE READ IN CONJUNCTION WITH STRUCTURAL DRGS.
EXISTING BUILDING
FFL=
JOINS DRG. No. C2-01
EXISTING GROUND

LOGAN CITY COUNCIL
APPROVED PLAN OF DEVELOPMENT
This is the approved plan of development for Development Application
MCUI/43/2016/B

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS
REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:500
0 10 20 30 m

Rev.	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	10.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS – PRELIM ISSUE	SJ	BR	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
T2	ISSUE FOR TENDER	AW	CR	27.11.07
T3	BULK EARTHWORKS PAD RAISED	AW	CR	13.12.07
C1	UPDATED LAYOUT AND LEVELS	AW	CR	05.02.08
C2	UPDATED LEVELS	AW	CR	15.02.08
C3	UPDATED LEVELS	JP	CR	20.02.08

Structural & Civil Engineering Consultant
RobertBirdGroup

Client: QUINN GROUP

Title: BULK EARTHWORKS LAYOUT PLAN SHEET 2 OF 2

Project: OC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
10.09.07	CR	
Scale @ A1	Drawn	Approved
1:500	GF	
Job Number	Drawing Number	Revision
07365	C2-02	C3

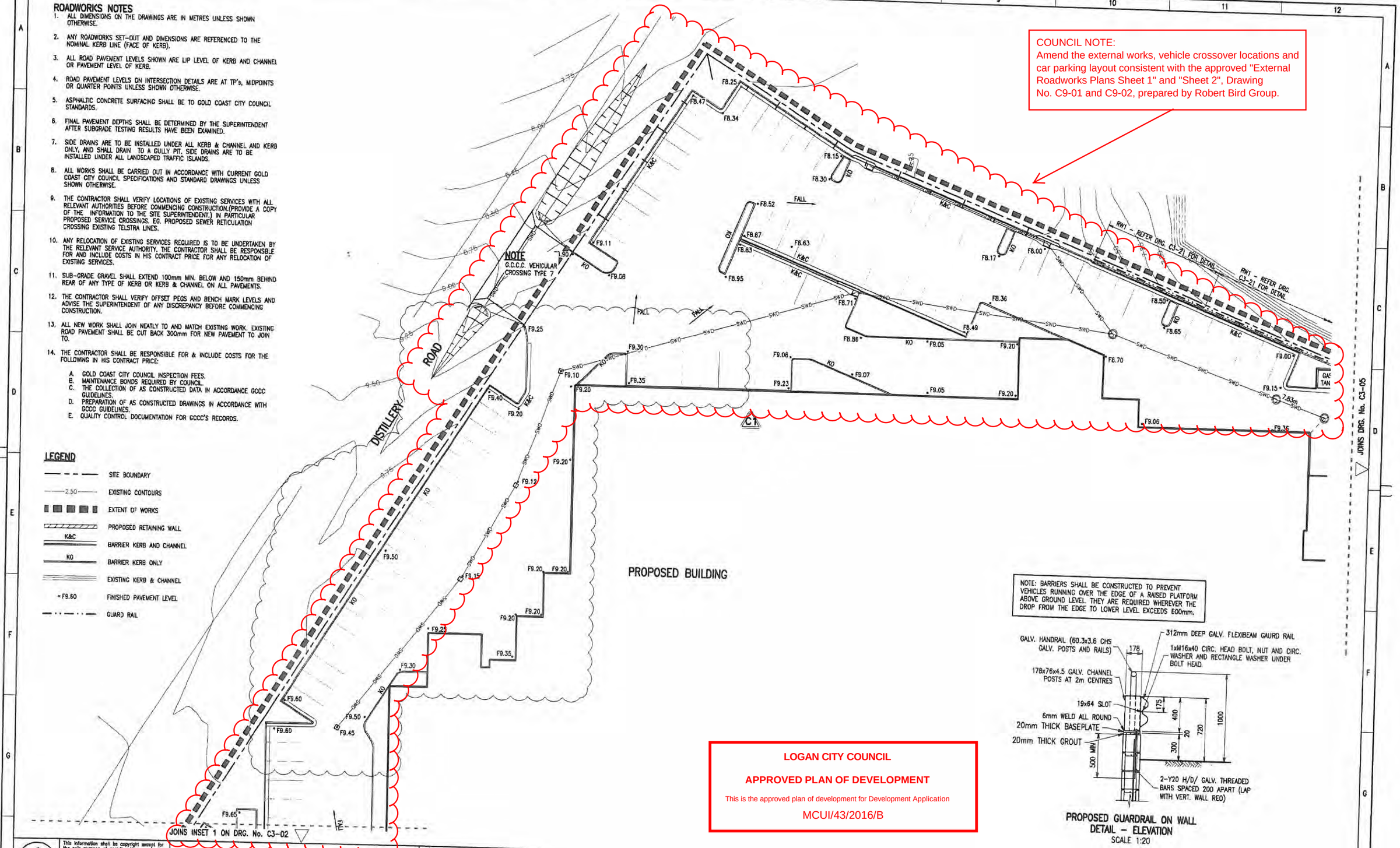
ROADWORKS NOTES

1. ALL DIMENSIONS ON THE DRAWINGS ARE IN METRES UNLESS SHOWN OTHERWISE.
2. ANY ROADWORKS SET-OUT AND DIMENSIONS ARE REFERENCED TO THE NOMINAL KERB LINE (FACE OF KERB).
3. ALL ROAD PAVEMENT LEVELS SHOWN ARE LIP LEVEL OF KERB AND CHANNEL OR PAVEMENT LEVEL OF KERB.
4. ROAD PAVEMENT LEVELS ON INTERSECTION DETAILS ARE AT TP's, MIDPOINTS OR QUARTER POINTS UNLESS SHOWN OTHERWISE.
5. ASPHALTIC CONCRETE SURFACING SHALL BE TO GOLD COAST CITY COUNCIL STANDARDS.
6. FINAL PAVEMENT DEPTHS SHALL BE DETERMINED BY THE SUPERINTENDENT AFTER SUBGRADE TESTING RESULTS HAVE BEEN EXAMINED.
7. SIDE DRAINS ARE TO BE INSTALLED UNDER ALL KERB & CHANNEL AND KERB ONLY, AND SHALL DRAIN TO A GULLY PIT. SIDE DRAINS ARE TO BE INSTALLED UNDER ALL LANDSCAPED TRAFFIC ISLANDS.
8. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH CURRENT GOLD COAST CITY COUNCIL SPECIFICATIONS AND STANDARD DRAWINGS UNLESS SHOWN OTHERWISE.
9. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING SERVICES WITH ALL RELEVANT AUTHORITIES BEFORE COMMENCING CONSTRUCTION.(PROVIDE A COPY OF THE INFORMATION TO THE SITE SUPERINTENDENT.) IN PARTICULAR PROPOSED SERVICE CROSSINGS. EG. PROPOSED SEWER RETICULATION CROSSING EXISTING TELSTRA LINES.
10. ANY RELOCATION OF EXISTING SERVICES REQUIRED IS TO BE UNDERTAKEN BY THE RELEVANT SERVICE AUTHORITY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND INCLUDE COSTS IN HIS CONTRACT PRICE FOR ANY RELOCATION OF EXISTING SERVICES.
11. SUB-GRADE GRAVEL SHALL EXTEND 100mm MIN. BELOW AND 150mm BEHIND REAR OF ANY TYPE OF KERB OR KERB & CHANNEL ON ALL PAVEMENTS.
12. THE CONTRACTOR SHALL VERIFY OFFSET PEGS AND BENCH MARK LEVELS AND ADVISE THE SUPERINTENDENT OF ANY DISCREPANCY BEFORE COMMENCING CONSTRUCTION.
13. ALL NEW WORK SHALL JOIN NEATLY TO AND MATCH EXISTING WORK. EXISTING ROAD PAVEMENT SHALL BE CUT BACK 300mm FOR NEW PAVEMENT TO JOIN TO.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR & INCLUDE COSTS FOR THE FOLLOWING IN HIS CONTRACT PRICE:
    - A. GOLD COAST CITY COUNCIL INSPECTION FEES.
    - B. MAINTENANCE BONDS REQUIRED BY COUNCIL.
    - C. THE COLLECTION OF AS CONSTRUCTED DATA IN ACCORDANCE GCCC GUIDELINES.
    - D. PREPARATION OF AS CONSTRUCTED DRAWINGS IN ACCORDANCE WITH GCCC GUIDELINES.
    - E. QUALITY CONTROL DOCUMENTATION FOR GCCC'S RECORDS.

LEGEND

- SITE BOUNDARY
- 2.50 EXISTING CONTOURS
- EXTENT OF WORKS
- PROPOSED RETAINING WALL
- K&C BARRIER KERB AND CHANNEL
- KO BARRIER KERB ONLY
- EXISTING KERB & CHANNEL
- +F9.60 FINISHED PAVEMENT LEVEL
- GUARD RAIL

COUNCIL NOTE:
Amend the external works, vehicle crossover locations and car parking layout consistent with the approved "External Roadworks Plans Sheet 1" and "Sheet 2", Drawing No. C9-01 and C9-02, prepared by Robert Bird Group.



NOTE: BARRIERS SHALL BE CONSTRUCTED TO PREVENT VEHICLES RUNNING OVER THE EDGE OF A RAISED PLATFORM ABOVE GROUND LEVEL. THEY ARE REQUIRED WHEREVER THE DROP FROM THE EDGE TO LOWER LEVEL EXCEEDS 600mm.

PROPOSED GUARDRAIL ON WALL DETAIL – ELEVATION
SCALE 1:20

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS
REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

Rev.	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	07.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS - PRELIM ISSUE	SJ	BR	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
T2	ISSUE FOR TENDER	AW	CR	27.11.07
T3	ISSUE FOR TENDER	AW	CR	12.12.07
P3	FOR INFORMATION	AW	CR	06.02.08
C1	UPDATED FINISHED LEVELS	JP	CR	20.02.08

Structural & Civil Engineering Consultant
RobertBirdGroup

BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre,
Brisbane, QLD 4001
Level 16 ANZ Centre
324 Queen St, Brisbane QLD
Ph. (07) 3315 2777
Fax. (07) 3315 2799
Web Site: www.robertbird.com

Client: QUINN GROUP

Title: SITEWORKS LAYOUT PLAN SHEET 1 OF 5

Project: OC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
07.09.07	CR	---
Scale @ A1	Drawn	Approved
1:250	GF	---
Job Number	Drawing Number	Revision
07365	C3-01	C1

LEGEND

- SITE BOUNDARY
- 2.50 — EXISTING CONTOURS
- EXTENT OF WORKS
- PROPOSED RETAINING WALL
- PROPOSED RETAINING WALL (DETAILED ON STRUCTURAL DRAWINGS)
- K&C — BARRIER KERB AND CHANNEL
- KO — BARRIER KERB ONLY
- EXISTING KERB & CHANNEL
- *F9.60 — FINISHED PAVEMENT LEVEL
- GUARD RAIL

NOTE
REFER DRG. No. C3-01 FOR NOTES.

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

COUNCIL NOTE:
Amend the external works, vehicle crossover locations and car parking layout consistent with the approved "External Roadworks Plans Sheet 1" and "Sheet 2", Drawing No. C9-01 and C9-02, prepared by Robert Bird Group.

ROAD

DISTILLERY

JOINS INSET 1

JOINS DRG. No. C3-01

JOINS DRG. No. C3-03

JOINS INSET 2

Water Tank

Water Tank

Water Booster

1 IN 3 SLOPE

3.0% FALL

GCCC STD KERB RAMP

LANDSCAPED BATTER

EXISTING TAVERN

INSET 2

INSET 1

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:250

0 5 10 15 m

Rev.	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	07.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS – PRELIM ISSUE	SJ	BR	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
T2	ISSUE FOR TENDER	AW	CR	27.11.07
C1	ISSUED FOR CONSTRUCTION	AW	CR	12.03.08
P3	ISSUED FOR DISCUSSION	AW	CR	19.08.08
C2	ISSUED FOR CONSTRUCTION	AW	CR	20.08.08

Structural & Civil Engineering Consultant

RobertBirdGroup

BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre, Brisbane, QLD 4001
Level 16 ANZ Centre
324 Queen St, Brisbane QLD
Ph. (07) 3319 3777
Fax. (07) 3319 3799
ACN 010 590 340
Web Site: www.robertbird.com

Client: QUINN GROUP

Title: SITEWORKS LAYOUT PLAN SHEET 2 OF 5

Project: OC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
07.09.07	CR	—
Scale @ A1	Drawn	Approved
1:250	GF	—
Job Number	Drawing Number	Revision
07365	C3-02	C2

A1 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

JOINS INSET 1 ON DRG. No. C3-02

PROPOSED BUILDING

EXISTING TAVERN

GCCC STD KERB RAMP

LANDSCAPED BATTER

REFER TO ROUNDABOUT MEDIAN TREATMENT DETAIL

PROPOSED RETAINING WALL

REFER TO LANDSCAPE DRAWINGS FOR MEDIAN TREATMENT

EXISTING KERB TO REMAIN

1 IN 3 BATTER

REFER TO ARCHITECT DRAWINGS FOR TREATMENT

GCCC TYPE E EDGE RESTRAINT

ADJACENT SITE

EXTENT OF WORKS

PROVIDE OPENING IN KERB AND ROCK PITCHING EROSION PROTECTION IN SWALE

REFER LANDSCAPE DRAWINGS FOR TREATMENT

FLUSH KERB

W-BEAM GAURDRAIL

EXISTING PIT TO BE LOWERED

ON HOLD

ON HOLD

SERVICE ROAD

PACIFIC MOTORWAY

JOINS DRG. No. C3-04

LOGAN CITY COUNCIL

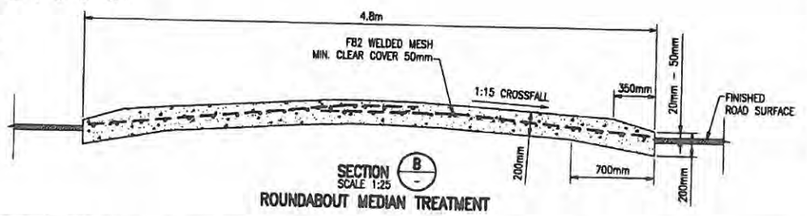
APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

LEGEND

- SITE BOUNDARY
- 2.50 EXISTING CONTOURS
- EXTENT OF WORKS
- PROPOSED RETAINING WALL
- PROPOSED RETAINING WALL (DETAILED ON STRUCTURAL DRAWINGS)
- K&C BARRIER KERB AND CHANNEL
- KO BARRIER KERB ONLY
- EXISTING KERB & CHANNEL
- •F9.60 FINISHED PAVEMENT LEVEL
- GUARD RAIL



SECTION B
SCALE 1:25

ROUNDABOUT MEDIAN TREATMENT

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:250

0 5 10 15 m

Rev.	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	07.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS - PRELIM ISSUE	SJ	BR	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
T2	ISSUE FOR TENDER	AW	CR	29.10.07
T3	ISSUE FOR TENDER	AW	CR	27.11.07
P3	ISSUE FOR DISCUSSION	AW	CR	19.06.08
C1	ISSUE FOR CONSTRUCTION	AW	CR	20.06.08

Structural & Civil Engineering Consultant

RobertBirdGroup

BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7932, Riverside Centre,
Brisbane, QLD 4001
Level 10 AMP Centre
324 Queen St, Brisbane QLD
Ph. (07) 3315 2777
Fax. (07) 3315 2799
ACN 010 664 240
Web Site: www.robertbird.com

Client: QUINN GROUP

Title: SITEWORKS LAYOUT PLAN SHEET 3 OF 5

Project: OC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
07.09.07	CR	---
Scale @ A1	Drawn	Approved
1:250	GF	---
Job Number	Drawing Number	Revision
07365	C3-03	C1

A1 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

JOINS DRG. No. C3-05

PROPOSED BUILDING

LOWER LEVEL CARPARK

F6.900 F6.900 F6.995 F6.555 F6.760 F6.900 F6.995 F6.900 F6.995 F6.665 F6.995

REFER DRG. C3-21 FOR DETAIL

RW2 4.0m RW1 7.4m

W-BEAM GUARDRAIL

F10.148 F10.00 F10.00 F9.79 F9.76 F9.55 F9.50 F9.35 F9.40 F9.25 F9.20 F9.30 F9.15 F9.40 F9.07 F7.15 F7.15 F9.30 F7.55 F7.80 F8.55 F7.37

1.5% FALL

ROAD

SERVICE

MOTORWAY

PACIFIC

MOTORWAY

PACIFIC

JOINS DRG. No. C3-03

W-BEAM GAURDRAIL

EXISTING PIT TO BE LOWERED.

11.19

312mm DEEP GALV. FLEXIBEAM GAURD RAIL

176x76x4.5 GALV. CHANNEL POSTS AT 2m CENTRES

200

1xM16x40 CIRC. HEAD BOLT, NUT AND CIRC. WASHER AND RECTANGLE WASHER UNDER BOLT HEAD.

19x64 SLOT

6mm WELD ALL ROUND

20mm THICK BASEPLATE

20mm THICK GROUT

175 400 20 720 300

200

VARIES

NOTE:
REINFORCEMENT / STARTER BARS TO STRUCTURAL ENGINEERS DETAILS

SECTION C
SCALE 1:20

PROPOSED RAMP GUARDRAIL DETAIL – ELEVATION

BASEPLATE 190x300

190

50 300 200 50

GUARDRAIL

50

PROPOSED RAMP GUARDRAIL DETAIL – PLAN
SCALE 1:20

LEGEND

- SITE BOUNDARY
- 2.50 EXISTING CONTOURS
- EXTENT OF WORKS
- PROPOSED RETAINING WALL
- PROPOSED RETAINING WALL (DETAILED ON STRUCTURAL DRAWINGS)
- K&C BARRIER KERB AND CHANNEL
- KO BARRIER KERB ONLY
- EXISTING KERB & CHANNEL
- •F9.60 FINISHED PAVEMENT LEVEL
- GUARD RAIL

NOTE
REFER DRG. No. C3-01 FOR NOTES.

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'.

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:250

0 5 10 15 m

Rev.	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	07.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS – PRELIM ISSUE	SJ	BR	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
T2	ISSUE FOR TENDER	AW	CR	27.11.07
P3	ISSUE FOR DISCUSSION	JJ	CR	12.02.08
C1	APPROVED FOR CONSTRUCTION	AW	CR	15.02.08
P4	ISSUE FOR DISCUSSION	JP	CR	26.03.08
C2	ISSUE FOR CONSTRUCTION	AW	CR	19.08.08

Structural & Civil Engineering Consultant

RobertBirdGroup

BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre,
Brisbane, QLD 4001
Level 16 ANZ Centre
324 Queen St, Brisbane QLD
Ph. (07) 3319 2777
Fax. (07) 3319 2799
ACN 010 580 264
Web Site: www.robertbird.com

Client
QUINN GROUP

Title
SITEWORKS LAYOUT PLAN
SHEET 4 OF 5

Project
OC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
07.09.07	CR	---
Scale @ A1 1:250	Drawn GF	Approved ---
Job Number 07365	Drawing Number C3-04	Revision C2

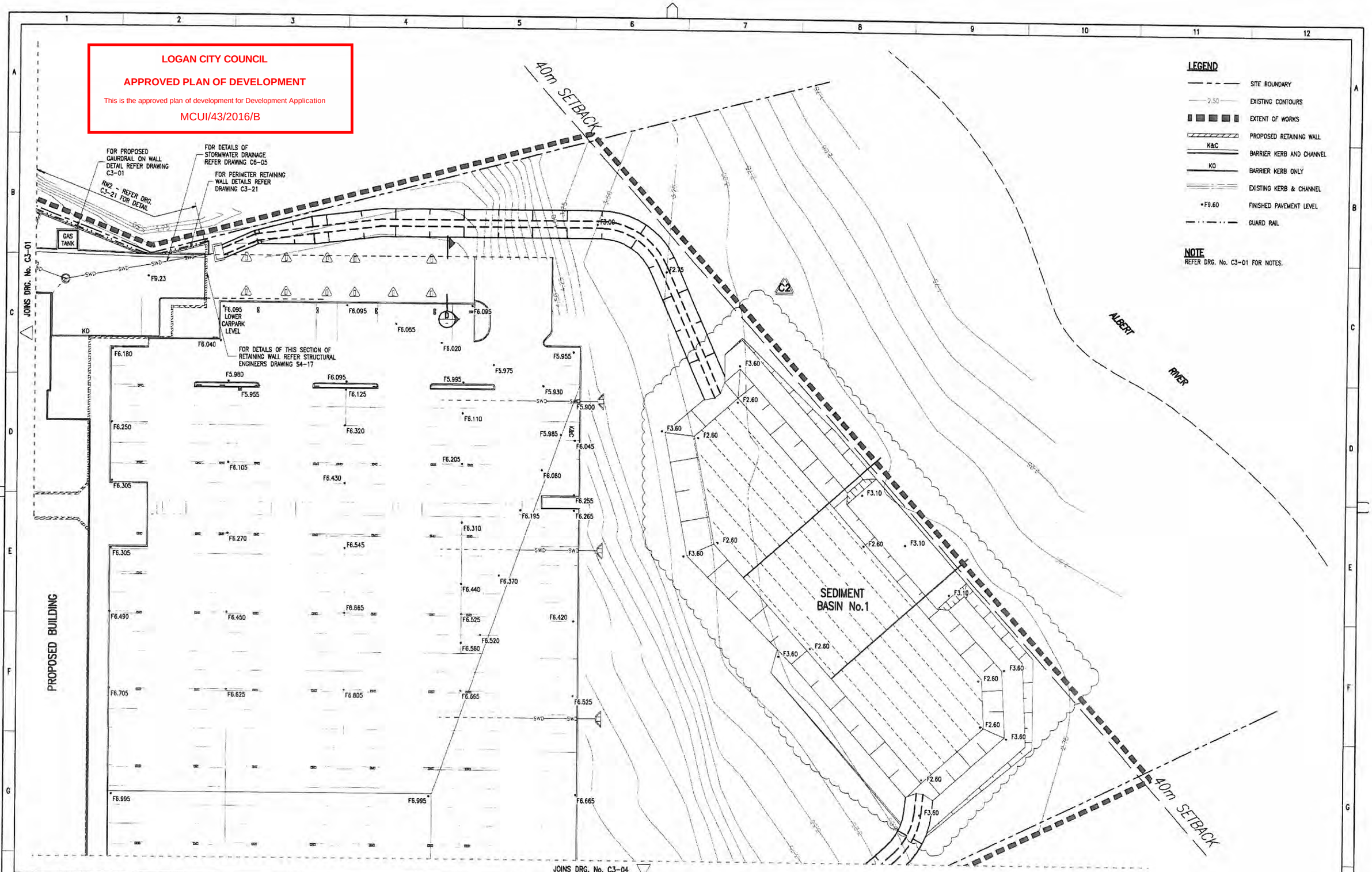
A1 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B



LEGEND

- SITE BOUNDARY
- 2.50 EXISTING CONTOURS
- EXTENT OF WORKS
- PROPOSED RETAINING WALL
- K&C BARRIER KERB AND CHANNEL
- KO BARRIER KERB ONLY
- EXISTING KERB & CHANNEL
- •F9.60 FINISHED PAVEMENT LEVEL
- GUARD RAIL

NOTE
REFER DRG. No. C3-01 FOR NOTES.

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'.

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS
REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:250
0 5 10 15 m

Rev.	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	07.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS - PRELIM ISSUE	SJ	BR	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
P3	FOR INFORMATION	AW	CR	06.02.08
P4	FOR DISCUSSION	JJ	CR	12.02.08
C1	APPROVED FOR CONSTRUCTION	AW	CR	15.02.08
C2	ISSUE FOR CONSTRUCTION	AW	CR	21.04.08

Structural & Civil Engineering Consultant

BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre,
Brisbane, QLD 4001
Level 16 AMP Centre
324 Queen St, Brisbane QLD
Ph. (07) 3319 2727
Fax. (07) 3319 2799
RobertBirdGroup

Client: QUINN GROUP

Title: SITEWORKS LAYOUT PLAN SHEET 5 OF 5

Project: OC @ EXIT 35

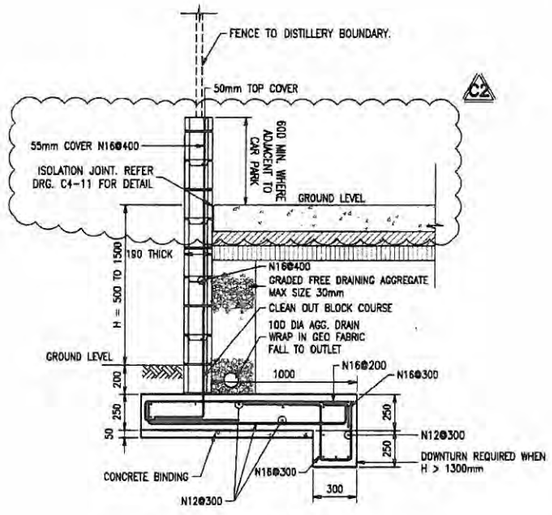
APPROVED FOR CONSTRUCTION

Date	Design	Checked
07.09.07	CR	---
Scale @ A1	Drawn	Approved
1:250	GF	-----
Job Number	Drawing Number	Revision
07365	C3-05	C2

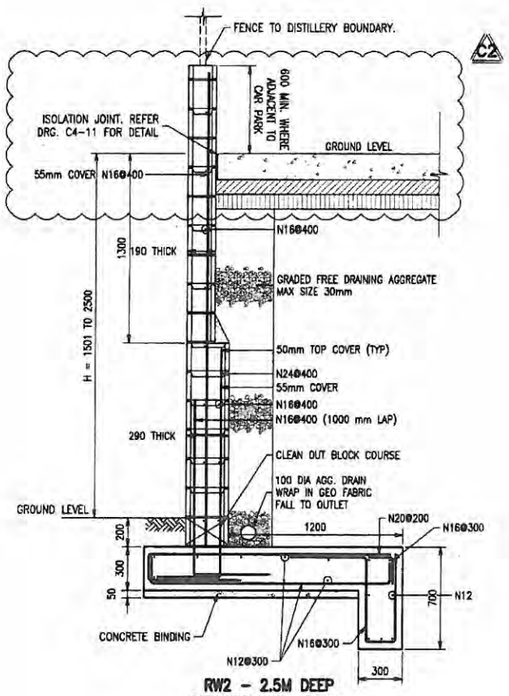
A1 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

REINFORCED CONCRETE MASONRY NOTES

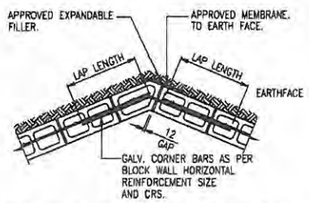
1. ALL MASONRY SHALL COMPLY WITH AS3700 AND THE PROJECT SPECIFICATION.
2. CONCRETE MASONRY UNITS TO HAVE A MINIMUM CHARACTERISTIC UNCONFINED STRENGTH OF 15MPa IN ACCORDANCE WITH AS2733.
3. MASONRY UNITS TO BE BEDDED IN FRESHLY PREPARED MORTAR UNIFORMLY MIXED IN THE RATIO OF ONE (1) PART CEMENT, ONE (1) PART LIME AND SIX (6) PARTS SAND, CONFORMING TO AS2701 'BRICKIES LOAM' SHALL NOT BE USED.
4. GROUT SHALL HAVE A COMPRESSIVE STRENGTH (f'c) OF 20 MPa AT 28DAYS. A SLUMP OF 125mm IN A 150mm SLUMP CONE, A MAXIMUM AGGREGATE SIZE OF 10mm AND BE IN ACCORDANCE WITH AS3700.
5. DEFORMED BAR REINFORCEMENT SHALL CONFORM TO AS4671.
6. EXTREME CARE MUST BE TAKEN TO CORRECTLY POSITION STARTER BARS IN FOOTINGS IN ACCORDANCE WITH DETAILS.
7. REFER TO THE MASONRY DRAWINGS FOR DETAILS ON VERTICAL CONTROL JOINTS.
8. ALL WALL INTERSECTIONS SHALL BE FULLY BONDED OR TIED UNLESS NOTED OTHERWISE.
9. PROVIDE CLEAN-OUT OPENINGS TO ALL CORES FOR INSPECTION AND TYING OF REINFORCEMENT.
10. FACE SHELLS AND CROSS WEBS TO BE FULLY BEDDED.
11. ALL CORES TO BE CLEANED OUT AFTER EACH DAYS LAYING.
12. VERTICAL WALL REINFORCEMENT SHALL BE TIED TO STARTER BARS AND RESTRAINED AT TOP OF WALL IN ITS REQUIRED LOCATION IN ACCORDANCE WITH THE DETAILS SO AS NOT TO MOVE DURING GROUT FILLING OF THE WALL.
13. WET ALL CORES PRIOR TO POURING GROUT.
14. FULLY GROUT ALL CORES IN REINFORCED WALLS, UNLESS NOTED OTHERWISE.
15. GROUT TO BE THOROUGHLY COMPACTED TO ENSURE COMPLETE FILLING OF ALL CORES.
16. FILL CORES TO A MAXIMUM OF 3m IN HEIGHT FOR ANY ONE POUR. ALL GROUT POURS TO STOP 25mm BELOW TOP OF BLOCKS.
17. WALL SHALL BE PROPPED DURING BACKFILLING OPERATIONS.
18. UNLESS NOTED OR SHOWN OTHERWISE ON THE DRAWINGS THERE ARE TO BE NO CHASES OR RECESSES PERMITTED IN THE MASONRY WALLS WITHOUT THE PRIOR APPROVAL OF 'ROBERT BIRD GROUP'.
19. USE OF 'H' BLOCKS ARE PREFERRED FOR RETAINING WALL CONSTRUCTION.



RW1 – 1.5M DEEP RETAINING WALL DETAIL
SCALE 1:20

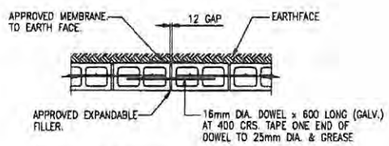


RW2 – 2.5M DEEP RETAINING WALL DETAIL
SCALE 1:20



APPLY SEALANTS AS SPECIFIED TO EACH FACE OF BLOCK WALL COVER EARTHFACE OF JOINT WITH FIBREGLASS MEMBRANE & TWO COATS OF MULSEAL. AS APPLICABLE

RETAINING BLOCKWORK CONTROL JOINT – BCJ AT 45 DEGREES CORNER (REINFORCED)
SCALE 1:20



APPLY SEALANTS AS SPECIFIED TO EACH FACE OF BLOCK WALL COVER EARTHFACE OF JOINT WITH FIBREGLASS MEMBRANE & TWO COATS OF MULSEAL. AS APPLICABLE

RETAINING BLOCKWORK CONTROL JOINT – BCJ
(RECOMMENDED EVERY 7.5 M. UNO.)
SCALE 1:20

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application MCUI/43/2016/B

Unless agreed otherwise by Robert Bird Group Pty Ltd ("RBG"), ACN 010 560 248 in writing, Institutes property rights in any information or data supplied or transferred to you (including copyright in all text, graphics, logos, icons, sound recordings and software) are owned by, or licensed to, RBG. Other than for purposes authorised by RBG in writing, you must not copy, adapt, reproduce, store, publish or commercialise any information or data supplied or transferred by electronic means without RBG's prior written permission. © Robert Bird Group Pty Ltd 2008

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:20
0 200 400 600 800 1000mm

Rev	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	JP	CR	06.02.08
P2	PRELIMINARY ISSUE	AW	CR	11.02.08
C1	ISSUE FOR CONSTRUCTION	AW	CR	21.02.08
C2	ISSUE FOR CONSTRUCTION	AW	CR	21.02.08

Structural & Civil Engineering Consultant
RobertBirdGroup
BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7059, Riverside Centre, Brisbane, QLD 4001
Level 16 ANZ Centre
324 Queen St, Brisbane QLD
Ph. (07) 3319 2777
Fax. (07) 3319 2799
ACN 010 560 248
Web Site: www.robertbird.com

Client: QUINN GROUP

Title: RETAINING WALL DETAILS

Project: OC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
13.09.07	CR	---
Scale @ A1	Drawn	Approved
1:20	JP	---
Job Number	Drawing Number	Revision
07365	C3-21	C2

A1
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

LEGEND

- SITE BOUNDARY
- EXTENT OF WORKS
- PROPOSED RETAINING WALL
- GUARD RAIL

PAVEMENT NOTES

1. FINAL PAVEMENT DEPTHS SHALL BE DETERMINED BY THE ENGINEER AFTER SUBGRADE CBR TESTING RESULTS (4 DAY SOAKED) HAVE BEEN CARRIED OUT BY THE CONTRACTOR.
2. ALL PAVEMENT WORKS SHALL BE CARRIED OUT IN ACCRDANCE WITH CIVIL SPECIFICATIONS AND G.C.C.C. STANDARD DRAWINGS UNLESS SHOWN OTHERWISE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND INCLUDE COSTS FOR ALL COUNCIL PERMIT FEES AND INSPECTION FEES.
4. PAVEMENT DESIGN IS PROVISIONAL ONLY AND IS SUBJECT TO THE SOAKED CBR TEST. THE SUBGRADE PRELIMINARY PAVEMENT DESIGN ABOVE IS BASED ON AN ASSUMED SUBGRADE OF CBR 2.
5. CONCRETE TO BE GRADE N32, 20 MAX. AGGREGATE SIZE CONCRETE TO BE BROOM FINISHED. REINFORCEMENT TO COMPLY WITH AS1303 FOR PLAIN BARS AND AS1304 FOR WELDED FABRIC. LAP MESH AT 400 & TIE AT SPACING 500mm.
6. FOR DETAILS OF LANDSCAPING TO LANDSCAPED AREAS AND BATTERS REFER TO LANDSCAPE ARCHITECT'S PLANS.

JOINS DRG. No. C4-02

COUNCIL NOTE:
Amend the external works, vehicle crossover locations and car parking layout consistent with the approved "External Roadworks Plans Sheet 1" and "Sheet 2", Drawing No. C9-01 and C9-02, prepared by Robert Bird Group.

PROPOSED SHOPPING CENTRE

LOWER LEVEL CARPARK

CBR AND PAVEMENT DESIGN TO BE CONFIRMED AS PER NOTE 1.

MAINTAIN EXISTING ENTRANCE

DISTILLERY ROAD

FOR ALL PAVED AREAS ADJACENT TO BUILDTING REFER TO ARCHITECTS DRAWINGS.

FLAT TRANSITION SLAB

TRANSITION SLAB

CONCRETE RAMP

BROOMED FINISH (COURSE TEXTURE)

EXISTING TAVERN

PACIFIC MOTORWAY SERVICE ROAD

PACIFIC MOTORWAY

UPGRADE TO PACIFIC MOTORWAY SERVICE ROAD INTERSECTIONS SUBJECT TO FUTURE SEPARATE OPERATIONAL WORKS APPLICATION.

TYPE 1A – CONCRETE PAVEMENT
180mm THICK RC F'c=32 MPa SL92 MESH COVER ON
100mm THICK CRUSHED ROCK TYPE 2.1 CBR 80 ON
150mm THICK CBR 15 SUBGRADE REPLACEMENT
BASED ON ASSUMED SUBGRADE CBR 2

TYPE 1B – CONCRETE PAVEMENT
150mm THICK RC F'c=32 MPa SL92 MESH COVER ON
125mm THICK CRUSHED ROCK TYPE 2.1 CBR 80 ON
150mm THICK CBR 15 SUBGRADE REPLACEMENT
BASED ON SUBGRADE CBR 3

TYPE 2 – BITUMEN HEAVY DUTY PAVEMENT
40mm THICK AC15 ON
7mm BITUMINOUS SURFACE SEAL
125mm THICK CRUSHED ROCK TYPE 2.1 CBR 80 ON
125mm THICK CRUSHED ROCK TYPE 2.2 CBR 45 (UPPER SUB-BASE) ON
260mm THICK CRUSHED ROCK CBR 35 (LOWER SUB-BASE) ON
350mm THICK CBR 15 SUBGRADE REPLACEMENT
BASED ON SUBGRADE CBR 1

TYPE 3 – BITUMEN LIGHT DUTY PAVEMENT
30mm THICK AC10 ON
7mm BITUMINOUS SURFACE SEAL
125mm THICK CRUSHED ROCK TYPE 2.1 CBR 80 ON
200mm THICK CRUSHED ROCK TYPE 2.2 CBR 45 ON
305mm THICK CBR 15 SUBGRADE REPLACEMENT
BASED ON SUBGRADE CBR 1

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

Unless agreed otherwise by Robert Bird Group Pty Ltd ("RBG") ACN 010 560 248 in writing, intellectual property rights in any information or data supplied or transferred to you (including copyright in all text, graphics, logos, icons, sound recordings and software) are owned by, or licensed to, RBG. Other than for purposes authorised by RBG in writing, you must not copy, adapt, reproduce, store, publish or communicate any information or data supplied or transferred by electronic means without RBG's prior written permission. © Robert Bird Group Pty Ltd 2008

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS
REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:500
0 10 20 30 m

Rev	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	10.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS – PRELIM ISSUE	SJ	BR	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
T2	ISSUE FOR TENDER	AW	CR	29.10.07
T3	ISSUE FOR TENDER	AW	CR	27.11.07
T4	ISSUE FOR TENDER	AW	CR	12.12.07
C1	APPROVED FOR CONSTRUCTION	AW	CR	26.02.08
C2	PAVEMENT DESIGNS UPDATED	AW	CR	11.09.08

Structural & Civil Engineering Consultant

Robert Bird Group Pty Ltd
PO Box 7060, Riverside Centre, Brisbane, QLD 4001
Level 19 ANZ Centre
324 Queen St, Brisbane QLD
Ph. (07) 3210 2777
Fax. (07) 3210 2720
ACN 010 560 248
Web Site: www.robertbird.com

RobertBirdGroup

Client: QUINN GROUP

Title: PAVEMENT LAYOUT PLAN SHEET 1 OF 2

Project: OC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
10.09.07	CR	--
Scale @ A1	Drawn	Approved
1:500	GF	----
Job Number	Drawing Number	Revision
07365	C4-01	C2

A1 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

COUNCIL NOTE:
Amend the external works, vehicle crossover locations and car parking layout consistent with the approved "External Roadworks Plans Sheet 1" and "Sheet 2", Drawing No. C9-01 and C9-02, prepared by Robert Bird Group.

LEGEND

- SITE BOUNDARY
- EXTENT OF WORKS
- PROPOSED RETAINING WALL
- GUARD RAIL

BROOMED FINISH (LIGHT TO MEDIUM TEXTURE)

CBR AND PAVEMENT DESIGN TO BE CONFIRMED AS PER NOTE 1 ON DRAWING C4-01.

C2

DISTILLERY ROAD

PROPOSED SHOPPING CENTRE

JOINS DRG. No. C4-01

TRANSITION SLAB

SUSPENDED CONCRETE RAMP

LOWER LEVEL CARPARK

40m SETBACK

Albert River

FLAT TRANSITION SLAB

CONCRETE RAMP

BROOMED FINISH (COURSE TEXTURE)

TYPE 1A – CONCRETE PAVEMENT
180mm THICK RC F'c=32 MPa SL92 MESH COVER ON
100mm THICK CRUSHED ROCK TYPE 2.1 CBR 80 ON
150mm THICK CBR 15 SUBGRADE REPLACEMENT
BASED ON ASSUMED SUBGRADE CBR 2

TYPE 1B – CONCRETE PAVEMENT
150mm THICK RC F'c=32 MPa SL92 MESH COVER ON
125mm THICK CRUSHED ROCK TYPE 2.1 CBR 80 ON
150mm THICK CBR 15 SUBGRADE REPLACEMENT
BASED ON SUBGRADE CBR 3

TYPE 2 – BITUMEN HEAVY DUTY PAVEMENT
40mm THICK AC 15 ON
7mm BITUMINOUS SURFACE SEAL
125mm THICK CRUSHED ROCK TYPE 2.1 CBR 80 ON
100mm THICK CRUSHED ROCK TYPE 2.2 CBR 45 ON
350mm THICK CBR 15 SUBGRADE REPLACEMENT
BASED ON ASSUMED SUBGRADE CBR 2

TYPE 3 – BITUMEN LIGHT DUTY PAVEMENT
30mm THICK AC10 ON
7mm BITUMINOUS SURFACE SEAL
100mm THICK CRUSHED ROCK TYPE 2.1 CBR 80 ON
100mm THICK CRUSHED ROCK TYPE 2.2 CBR 45 ON
250mm THICK CBR 15 SUBGRADE REPLACEMENT
BASED ON ASSUMED SUBGRADE CBR 2

C2

TYPE 4 – CONCRETE PAVEMENT (GAS TANK SLAB)
125mm THICK RC F'c=32 MPa SL72 MESH COVER
WITH 250mm WIDE/DEEP THICKENING AT THE EDGE

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:500

0 10 20 30 m

Rev.	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	10.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS – PRELIM ISSUE	SJ	BR	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
T2	ISSUE FOR TENDER	AW	CR	27.11.07
T3	ISSUE FOR TENDER	AW	CR	12.12.07
C1	APPROVED FOR CONSTRUCTION	AW	CR	26.02.08
C2	GAS SLAB AND RAMP ADDED	AW	CR	11.06.08

Structural & Civil Engineering Consultant

RobertBirdGroup

BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre, Brisbane, QLD 4001
Level 16 ANZ Centre
324 Queen St, Brisbane QLD

Ph. (07) 3319 2722
Fax. (07) 3319 2788

Client: QUINN GROUP

Title: PAVEMENT LAYOUT PLAN SHEET 2 OF 2

Project: DC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
10.09.07	CR	—
Scale @ A1 1:500	Drawn CF	Approved —
Job Number 07365	Drawing Number C4–02	Revision C2

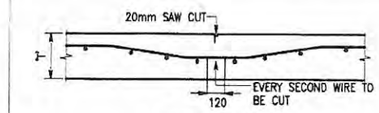
A1 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

GENERAL NOTES

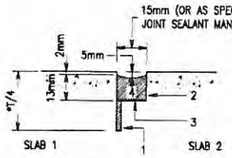
1. ALL DIMENSIONS AND SETOUT SHALL BE VERIFIED BY THE SUPERINTENDENT PRIOR TO CONSTRUCTION.
2. THE PAVEMENT SUBGRADE SHALL BE TRIMMED TO THE REQUIRED PROFILES AND COMPACTED IN ACCORDANCE WITH THE CIVIL SPECIFICATION.
3. TRIMMER REINFORCEMENT TO BE PROVIDED AT CORNERS, GULLY PITS ETC. TO PREVENT CORNER CRACKS DEVELOPING.
4. FOR PAVEMENT MAKE UP REFER TO DRAWING C4-02.
5. REINFORCEMENT SHALL BE AS SPECIFIED ON THE DRAWINGS AND SHALL BE CHAIRED AT 1000 C/C BOTH WAYS TO GIVE TOP COVER. FOR SMOOTH FINISH SURFACE ADOPT 40 TOP COVER AND FOR EXPOSED AGGREGATE SURFACE ADOPT 50 TOP COVER.
6.
   A. CONCRETE USED IN PAVEMENT CONSTRUCTION SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
      (I) CONCRETE TO BE IN ACCORDANCE WITH AS3600
      (II) CEMENT TO BE TYPE A ORDINARY CEMENT SLUMP TO BE 80MM (+/- 15MM)
      (III) AGGREGATE TO BE CLEAN WITH A MAXIMUM SIZE OF 20MM
      (IV) CONCRETE SHALL BE GRADE S32 MPa MINIMUM.
   B. CONCRETE TO BE MECHANICALLY VIBRATED. THE VIBRATOR SHALL NOT BE USED TO SPREAD THE CONCRETE.
   C. CONCRETE PAVEMENT SHALL NOT BE CONSTRUCTED IN THE NARROW POINTED RE-ENTRANT AREAS I.E. THE CONCRETE SLAB SHALL BE FINISHED NEATLY SO THAT THE MINIMUM SLAB WIDTH IS 300MM.
   D. SLABS TO BE POURED IN ALTERNATE BAYS 24 HOURS APART.
   E. SUB-BASE COMPACTION AND REINFORCEMENT SHALL BE CHECKED BY THE SUPERINTENDENT PRIOR TO PLACING CONCRETE.
8. THE CONTRACTOR SHALL CARRY OUT SAMPLING AND TESTING OF CONCRETE IN ACCORDANCE WITH THE PROJECT SPECIFICATION. MINIMUM REQUIREMENT FOR CONCRETE TESTING I.E. COMPRESSIVE, SLUMP TEST AND FLEXURAL STRENGTH TO BE ONE TEST SAMPLE PER 15 CU.M. OF CONCRETE.
9. ALL CONTROL JOINTS SHALL BE FINISHED WITH AN APPROVED SEALANT AS FURTHER SPECIFIED BELOW. CONCRETE CONTROL JOINTS AND SAW JOINTS SHALL BE LOCATED WHERE SHOWN ON THE DRAWINGS.
10. JOINTS TO BE TOOLED 25MM DEEP WITH 'T' SECTION BAR ON DAY OF POUR AND FOLLOWED WITH SAW CUT BETWEEN 8 AND 16 HOURS AFTER CONCRETE POUR. LOCATION OF CUT MESH TO BE CLEARLY MARKED ON EDGE BOARD PRIOR TO POURING CONCRETE TO ENSURE JOINT IN CORRECT LOCATION. DEPTH OF THE SAW CUT SHALL BE NOT LESS THAN 25% OF THE SLAB DEPTH.
11. ALL DOWELS SHALL BE 400m LONG HOT DIP GALVANISED AT 300C/C TO SUIT "DANLEY DOWEL-MASTER" DOWEL SLEEVE (U.N.O.).
12. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH CURRENT DMR STANDARD SPECIFICATION AND STANDARD DRAWINGS.
13. JOINTS IN PAVEMENT MEDIANS TO MATCH THE LOCATION OF SLAB JOINTS BELOW.

LEGEND

- U — ISOLATION JOINT (IJ)
- SJ — SAWN JOINT (SJ)
- EJ — EXPANSION JOINT (EJ)
- EK — EDGE KERB
- IJ&EK — ISOLATION JOINT & EDGE KERB
- BRUSH FINISH
- TROWEL FINISH

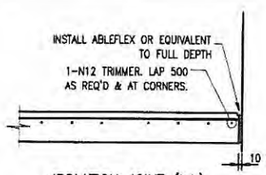


SAWN JOINT (S.J.)
(N.T.S)

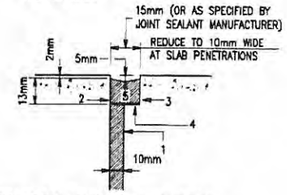


SAWN JOINT SEALANT DETAIL
*NOTE: 'T' DENOTES PAVEMENT THICKNESS

1. INITIAL CUT 3-5mm WIDE WITHIN 1 DAY OF POURING TO BE SEALED OFF UNTIL GROOVE WIDENED
2. GROOVE WIDENED BY SAW CUTS AFTER SLAB CURING PERIOD. JET WASH OUT AND DRY ALL CUTS BEFORE PRIMING FACES WITH FOSROC PRIMER 10
3. BOND BREAKER TAPE
4. INSTALL JOINT SEALANT PARBURY EMER-ROADSEAL OR APPROVED EQUIVALENT WITH MOVEMENT ACCOMMODATION FACTOR +/- 50% IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS

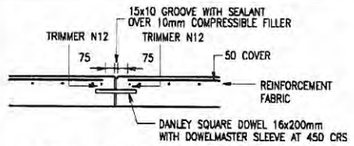


ISOLATION JOINT (I.J.)
NOT TO SCALE



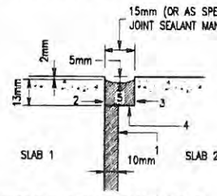
ISOLATION JOINT SEALANT DETAIL

1. CLOSED CELL POLYURETHANE FILLER (FULL DEPTH)
2. FORM GROOVE IN SLAB AND AGAINST FACE OF STRUCTURE
3. PRIME FACES WITH FOSROC PRIMER 10
4. BOND BREAKER TAPE
5. INSTALL JOINT SEALANT PARBURY EMER-ROADSEAL OR APPROVED EQUIVALENT WITH MOVEMENT ACCOMMODATION FACTOR +/- 50% IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS



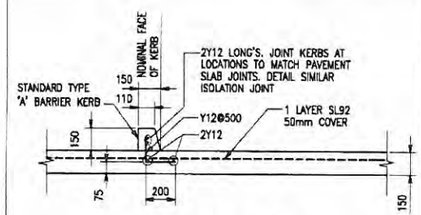
EXPANSION JOINT (E.J.)
CENTERS AS SHOWN, PARALELL TO SAWN JOINTS
NOT TO SCALE

NOTE:
IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS SQUARE DOWEL CRADLES SHOULD NOT BE USED AT EXPANSION JOINTS.

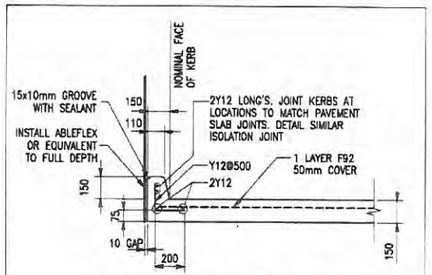


EXPANSION JOINT SEALANT DETAIL

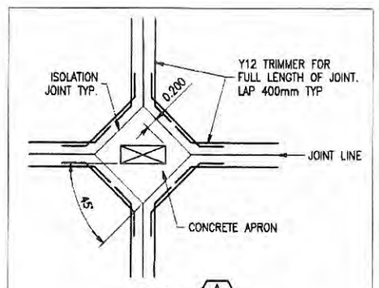
1. CLOSED CELL POLYURETHANE FILLER (FULL DEPTH) CUT HOLES IN FILLER TO FIT CLOSELY AROUND DOWELS
2. FORM GROOVE IN SLAB 2 AND AGAINST FACE OF SLAB 1
3. JET WASH AND DRY GROOVE AFTER SLAB CURING PERIOD PRIME FACES WITH FOSROC PRIMER 10
4. BOND BREAKER TAPE
5. INSTALL JOINT SEALANT PARBURY EMER-ROADSEAL OR APPROVED EQUIVALENT WITH MOVEMENT ACCOMMODATION FACTOR +/- 50% IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS



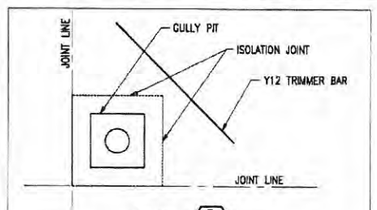
INTEGRATED EDGE KERB DETAIL (EK)
SCALE 1:20



ISOLATION JOINT AND INTEGRATED EDGE KERB DETAIL (IJ&EK)
SCALE 1:20



DETAIL A
SCALE 1:50



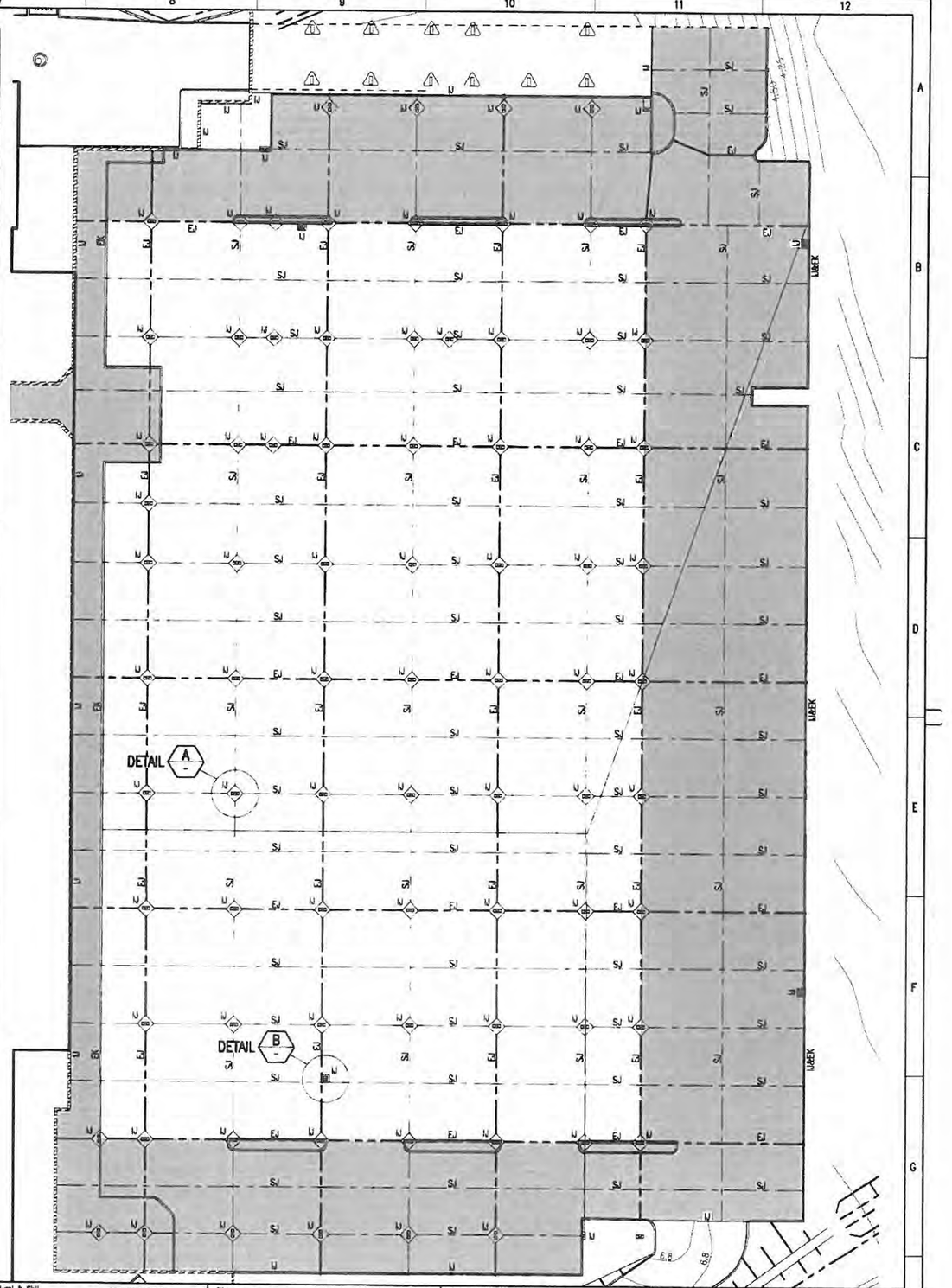
DETAIL B
SCALE 1:25

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B



This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'.

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS
REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:20
0 200 400 600 800 1000mm
SCALE 1:25D
0 5 10 15 m

Rev.	Revision Description	By.	App.	Date
P1	ISSUE FOR COMMENT	AW	CR	12.02.08
P2	ISSUE FOR COMMENT	AW	CR	20.02.08
C1	ISSUE FOR CONSTRUCTION	AW	CR	26.02.08
C2	ISSUE FOR CONSTRUCTION	AW	CR	12.03.08

Rev. | Revision Description | By. | App. | Date — (no entries)

Structural & Civil Engineering Consultant
RobertBirdGroup
BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre, Brisbane, QLD 4001
Level 16 AMP Centre
324 Queen St, Brisbane QLD
Ph. (07) 3318 2777
Fax. (07) 3318 2799
Web Site: www.rbgroup.com

Client: QUINN GROUP

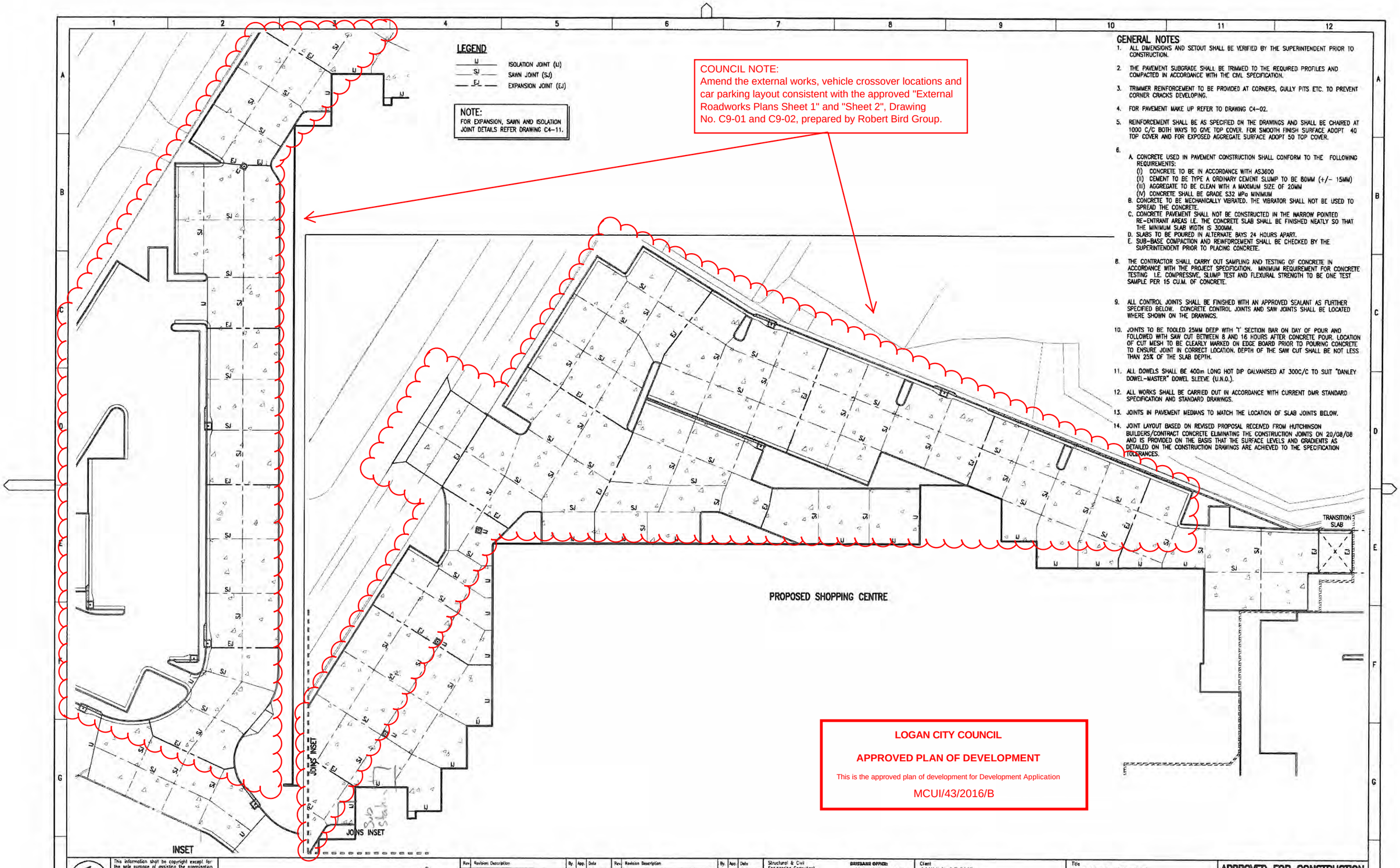
Title: PAVEMENT JOINTING PLAN SHEET 1 OF 2

Project: OC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
12.02.08	CR	--
Scale @ A1	Drawn	Approved
1:250	AW	--
Job Number	Drawing Number	Revision
07365	C4-11	C2

A1 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



GENERAL NOTES

1. ALL DIMENSIONS AND SETOUT SHALL BE VERIFIED BY THE SUPERINTENDENT PRIOR TO CONSTRUCTION.
2. THE PAVEMENT SUBGRADE SHALL BE TRIMMED TO THE REQUIRED PROFILES AND COMPACTED IN ACCORDANCE WITH THE CIVIL SPECIFICATION.
3. TRIMMER REINFORCEMENT TO BE PROVIDED AT CORNERS, GULLY PITS ETC. TO PREVENT CORNER CRACKS DEVELOPING.
4. FOR PAVEMENT MAKE UP REFER TO DRAWING C4–02.
5. REINFORCEMENT SHALL BE AS SPECIFIED ON THE DRAWINGS AND SHALL BE CHAIRED AT 1000 C/C BOTH WAYS TO GIVE TOP COVER. FOR SMOOTH FINISH SURFACE ADOPT 40 TOP COVER AND FOR EXPOSED AGGREGATE SURFACE ADOPT 50 TOP COVER.
6. A. CONCRETE USED IN PAVEMENT CONSTRUCTION SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
   (I) CONCRETE TO BE IN ACCORDANCE WITH AS3600
   (II) CEMENT TO BE TYPE A ORDINARY CEMENT SLUMP TO BE 80MM (+/– 15MM)
   (III) AGGREGATE TO BE CLEAN WITH A MAXIMUM SIZE OF 20MM
   (IV) CONCRETE SHALL BE GRADE S32 MPa MINIMUM
   B. CONCRETE TO BE MECHANICALLY VIBRATED. THE VIBRATOR SHALL NOT BE USED TO SPREAD THE CONCRETE.
   C. CONCRETE PAVEMENT SHALL NOT BE CONSTRUCTED IN THE NARROW POINTED RE–ENTRANT AREAS I.E. THE CONCRETE SLAB SHALL BE FINISHED NEATLY SO THAT THE MINIMUM SLAB WIDTH IS 300MM.
   D. SLABS TO BE POURED IN ALTERNATE BAYS 24 HOURS APART.
   E. SUB–BASE COMPACTION AND REINFORCEMENT SHALL BE CHECKED BY THE SUPERINTENDENT PRIOR TO PLACING CONCRETE.
8. THE CONTRACTOR SHALL CARRY OUT SAMPLING AND TESTING OF CONCRETE IN ACCORDANCE WITH THE PROJECT SPECIFICATION. MINIMUM REQUIREMENT FOR CONCRETE TESTING I.E. COMPRESSIVE, SLUMP TEST AND FLEXURAL STRENGTH TO BE ONE TEST SAMPLE PER 15 CU.M. OF CONCRETE.
9. ALL CONTROL JOINTS SHALL BE FINISHED WITH AN APPROVED SEALANT AS FURTHER SPECIFIED BELOW. CONCRETE CONTROL JOINTS AND SAW JOINTS SHALL BE LOCATED WHERE SHOWN ON THE DRAWINGS.
10. JOINTS TO BE TOOLED 25MM DEEP WITH 'I' SECTION BAR ON DAY OF POUR AND FOLLOWED WITH SAW CUT BETWEEN 8 AND 16 HOURS AFTER CONCRETE POUR. LOCATION OF CUT MESH TO BE CLEARLY MARKED ON EDGE BOARD PRIOR TO POURING CONCRETE TO ENSURE JOINT IN CORRECT LOCATION. DEPTH OF THE SAW CUT SHALL BE NOT LESS THAN 25% OF THE SLAB DEPTH.
11. ALL DOWELS SHALL BE 400m LONG HOT DIP GALVANISED AT 300C/C TO SUIT "DANLEY DOWEL–MASTER" DOWEL SLEEVE (U.N.O.).
12. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH CURRENT DMR STANDARD SPECIFICATION AND STANDARD DRAWINGS.
13. JOINTS IN PAVEMENT MEDIANS TO MATCH THE LOCATION OF SLAB JOINTS BELOW.
14. JOINT LAYOUT BASED ON REVISED PROPOSAL RECEIVED FROM HUTCHINSON BUILDERS/CONTRACT CONCRETE ELIMINATING THE CONSTRUCTION JOINTS ON 20/08/08 AND IS PROVIDED ON THE BASIS THAT THE SURFACE LEVELS AND GRADIENTS AS DETAILED ON THE CONSTRUCTION DRAWINGS ARE ACHIEVED TO THE SPECIFICATION TOLERANCES.

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'.

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:250

0 5 10 15 m

NO CAD

Rev.	Revision Description	By.	App.	Date
P1	FOR COMMENT	AW	CR	22.05.08
C1	JOINTS AMENDED	CV	CR	21.08.08

Structural & Civil Engineering Consultant
RobertBirdGroup
BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7055, Waterside Centre, Brisbane, QLD 4001
Level 16 ANZ Centre
324 Queen St, Brisbane QLD
Ph. (07) 3319 2777
Fax. (07) 3319 2700
ACN 010 502 240
Web Site: www.robertbird.com

Client: QUINN GROUP

Title: PAVEMENT JOINTING PLAN SHEET 2 OF 2

Project: OC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
13.09.07	CR	--
Scale @ A1	Drawn	Approved
1:250	AW	-----
Job Number	Drawing Number	Revision
07365	C4–12	C1

A1 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

STORMWATER DRAINAGE NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH CURRENT GOLD COAST CITY COUNCIL SPECIFICATIONS AND STANDARD DRAWINGS.
2. ALL STORMWATER DRAINAGE PIPES SHALL BE RCP CLASS '2' U.N.O.
3. STORMWATER DRAINAGE PIPES SHALL BE SPIGOT & SOCKET WITH RUBBER RING JOINTED FOR 900 DIA. OR LESS. STORMWATER DRAINAGE PIPES GREATER THAN 900 DIA. SHALL BE FLUSH JOINTED PIPES WITH EXTERNAL ELASTOMERIC BAND.
4. ALL STORMWATER PIPES TO BE BEDDED IN ACCORDANCE WITH GCCC STD. DRG. NO. 59309.
5. ALL MANHOLES AND PITS TO BE CONSTRUCTED IN ACCORDANCE WITH GCCC STD. DRG. NOS. 59301, 59304, AND 59308.
6. ALL ROOFWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH GCCC STD. DRG. NO. 59308.
7. ALL STORMWATER LOCATIONS TO BE CONFIRMED ON SITE BY ENGINEER PRIOR TO COMMENCING STORMWATER CONSTRUCTION.
8. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING SERVICES WITH ALL RELEVANT AUTHORITIES BEFORE COMMENCING CONSTRUCTION.(PROVIDE A COPY OF THE INFORMATION TO THE SITE SUPERINTENDENT.) IN PARTICULAR PROPOSED SERVICE CROSSINGS. EG. PROPOSED STORMWATER CROSSING EXISTING TELSTRA LINES.
9. THE SETOUT OF ALL DRAINAGE STRUCTURES IS TO CENTRE OF MANHOLE/GULLYPIT U.N.O.
10. DESIGN SURFACE LEVELS FOR MANHOLES AND GULLYPITS ARE TOP OF PAVEMENT LEVEL AND LIP LEVEL OF KERB AND CHANNEL RESPECTIVELY.
11. LOCATION OF ALL MANHOLES TO BE CONFIRMED WITH ENGINEER ON SITE PRIOR TO CONSTRUCTION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR & INCLUDES COSTS FOR THE FOLLOWING IN HIS CONTRACT PRICE:
    - A. LOCAL GOVERNMENT INSPECTION FEES.
    - B. MAINTENANCE BONDS REQUIRED BY COUNCIL.
    - C. THE COLLECTION OF AS CONSTRUCTED DATA IN ACCORDANCE LOCAL GOVERNMENT GUIDELINES.
    - D. REPARATION OF AS CONSTRUCTED DRAWINGS IN ACCORDANCE WITH LOCAL GOVERNMENT GUIDELINES.
    - E. QUALITY CONTROL DOCUMENTATION FOR LOCAL GOVERNMENT RECORDS.
13. ALL MANHOLE COVERS, FRAMES AND GRATES IN TRAFFICKED AREAS ARE TO BE CLASS D.

C2

STORMWATER PIT SETOUT

LINE NUMBER	PIT NUMBER	EASTING	NORTHING
1	10	842.911	2894.930
1	9	845.962	2888.184
1	8	848.421	2882.747
1	7	860.909	2860.976
1	6	883.714	2843.918
1	5	905.212	2827.905
1	4	934.038	2821.079
1	3	937.223	2821.938
1	2	945.249	2802.648
1	1	971.244	2782.107
1	OUT	1001.605	2764.693
1A	1	956.629	2805.021
2	4	880.486	2895.177
2	3	908.062	2878.721
2	2	911.403	2880.225
2	1	924.497	2851.169
3	8	970.061	2989.630
3	7	996.811	2982.723
3	6	1012.368	2981.340
3	5	1029.902	2982.597
3	4	1058.425	2949.677
3	3	1069.338	2914.062
3	2	1071.373	2888.654
3	1	1071.965	2881.270
3	OUT	1084.332	2863.204
4	8	932.939	2978.521
4	7	903.626	2965.245
4	6	900.770	2966.207
4	5	901.617	2983.561
4	4	889.738	2985.818
4	3	890.239	3003.993
4	2	891.654	3013.710
4	1	877.597	3016.405
4	OUT	871.532	3017.515
5	3	882.273	2927.380
5	2	884.875	2949.151
5	1	887.295	2978.192
6	1	910.561	3000.584
7	2	1075.345	2955.725
7	1	1076.809	2928.228
8	1	921.156	2849.663

COUNCIL NOTE:
Amend the external works, vehicle crossover locations and car parking layout consistent with the approved "External Roadworks Plans Sheet 1" and "Sheet 2", Drawing No. C9-01 and C9-02, prepared by Robert Bird Group.

REFER TO EXTERNAL WORKS DRAWING SET FOR DETAIL

DISTILLERY ROAD

PROPOSED BUILDING

JOINS INSET 1 ON DRG. No. C6-02

JOINS DRG. No. C6-05

LEGEND
- SITE BOUNDARY
- 2.50 EXISTING CONTOURS
- EXTENT OF WORKS
- PROPOSED RETAINING WALL
- BARRIER KERB AND CHANNEL
- BARRIER KERB ONLY
- PROPOSED STORMWATER PIPE
- PROPOSED SWALE

LOGAN CITY COUNCIL
APPROVED PLAN OF DEVELOPMENT
This is the approved plan of development for Development Application
MCUI/43/2016/B

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS
REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:250
0 5 10 15 m

Rev	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	07.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS – PRELIM ISSUE SJ	BR	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
T2	ISSUE FOR TENDER	AW	CR	27.11.07
T3	ISSUE FOR TENDER	AW	CR	12.12.07
C1	ISSUED FOR CONSTRUCTION	AW	CR	12.03.08
C2	ISSUED FOR CONSTRUCTION	AW	CR	--

Structural & Civil Engineering Consultant
Robert Bird Group
BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7635, Riverside Centre, Brisbane, QLD 4001
Level 16 ANZ Centre
324 Queen St, Brisbane QLD
Ph. (07) 3319 2777
Fax. (07) 3319 2799
Web Site: www.robertbird.com

Client: QUINN GROUP

Title: STORMWATER DRAINAGE LAYOUT PLAN SHEET 1 OF 5

Project: OC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
07.09.07	CR	--
Scale @ A1	Drawn	Approved
1:250	CF	--
Job Number	Drawing Number	Revision
07365	C6-01	C2

LEGEND

- SITE BOUNDARY
- EXISTING CONTOURS
- EXTENT OF WORKS
- PROPOSED RETAINING WALL
- BARRIER KERB AND CHANNEL
- BARRIER KERB ONLY
- PROPOSED STORMWATER PIPE
- PROPOSED SWALE

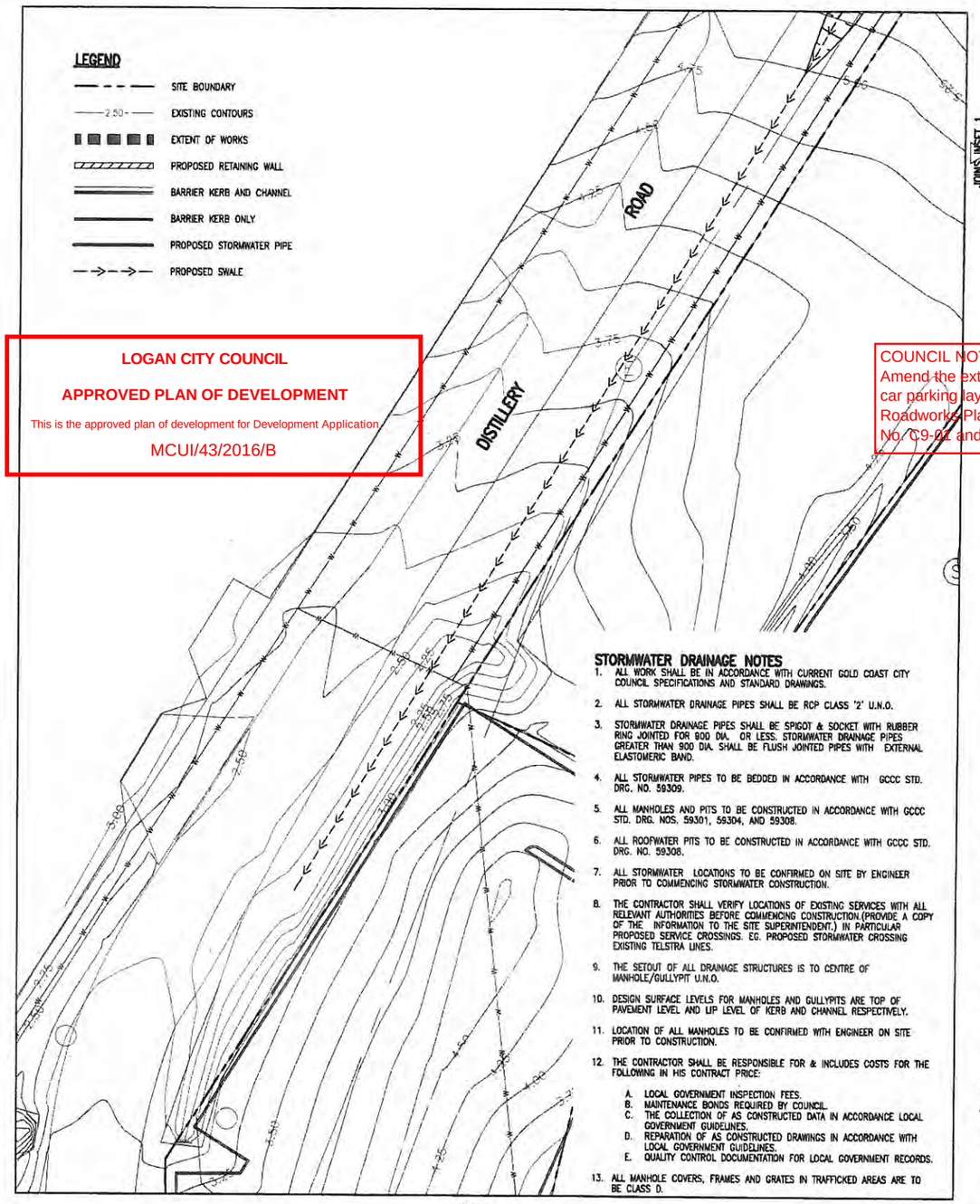
LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

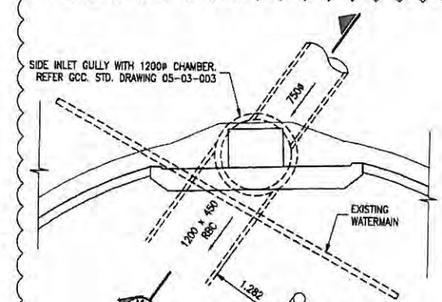
COUNCIL NOTE:
Amend the external works, vehicle crossover locations and car parking layout consistent with the approved "External Roadworks Plans Sheet 1" and "Sheet 2", Drawing No. C9-01 and C9-02, prepared by Robert Bird Group.

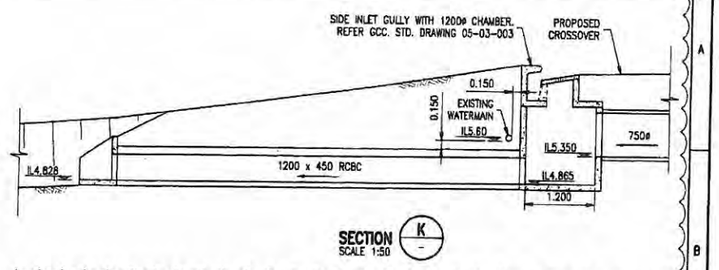


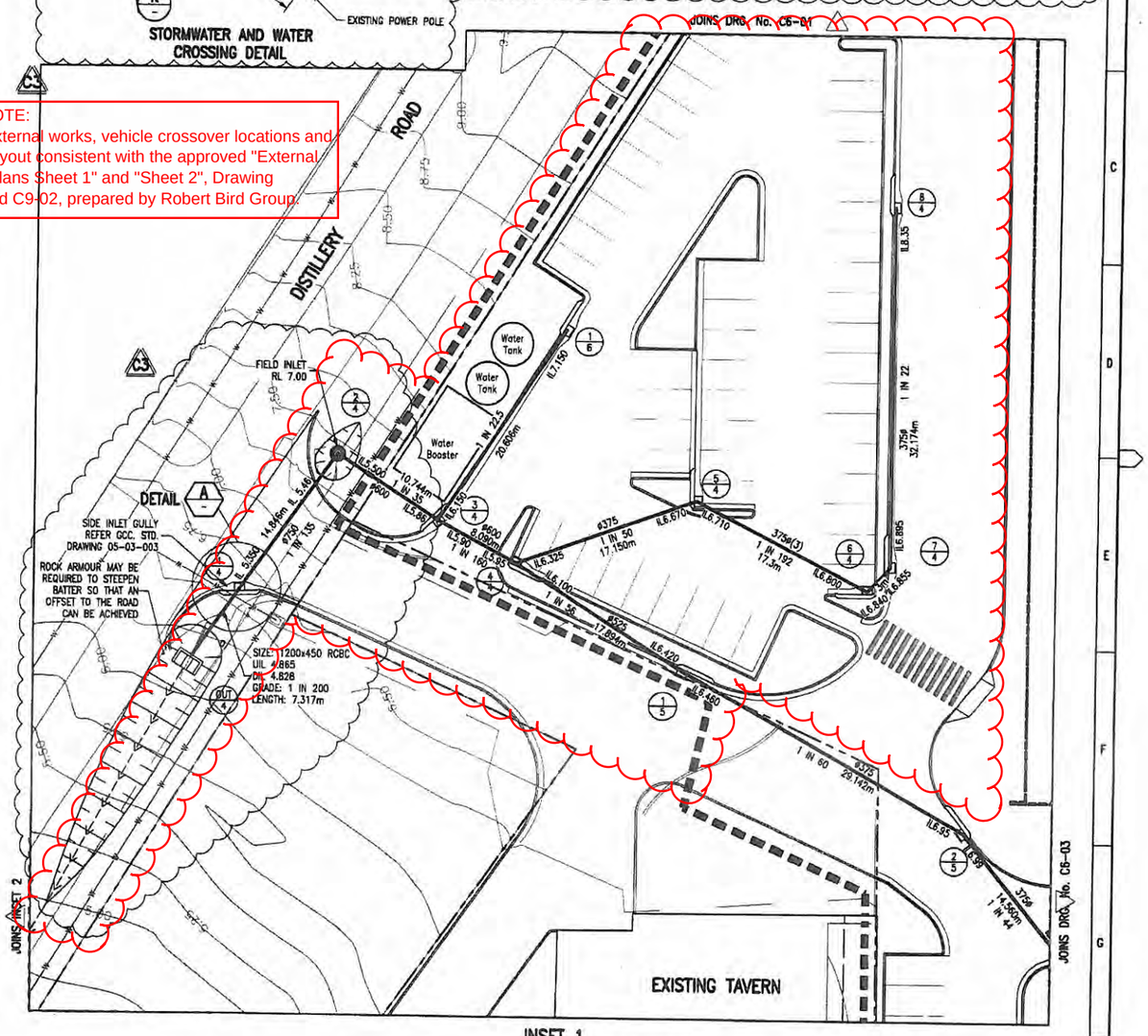
STORMWATER DRAINAGE NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH CURRENT GOLD COAST CITY COUNCIL SPECIFICATIONS AND STANDARD DRAWINGS.
2. ALL STORMWATER DRAINAGE PIPES SHALL BE RCP CLASS '2' U.N.O.
3. STORMWATER DRAINAGE PIPES SHALL BE SPIGOT & SOCKET WITH RUBBER RING JOINTED FOR 900 DIA. OR LESS. STORMWATER DRAINAGE PIPES GREATER THAN 900 DIA. SHALL BE FLUSH JOINTED PIPES WITH EXTERNAL ELASTOMERIC BAND.
4. ALL STORMWATER PIPES TO BE BEDDED IN ACCORDANCE WITH GCCC STD. DRG. NO. 59309.
5. ALL MANHOLES AND PITS TO BE CONSTRUCTED IN ACCORDANCE WITH GCCC STD. DRG. NOS. 59301, 59304, AND 59308.
6. ALL ROOFWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH GCCC STD. DRG. NO. 59308.
7. ALL STORMWATER LOCATIONS TO BE CONFIRMED ON SITE BY ENGINEER PRIOR TO COMMENCING STORMWATER CONSTRUCTION.
8. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING SERVICES WITH ALL RELEVANT AUTHORITIES BEFORE COMMENCING CONSTRUCTION.(PROVIDE A COPY OF THE INFORMATION TO THE SITE SUPERINTENDENT.) IN PARTICULAR PROPOSED SERVICE CROSSINGS. EG. PROPOSED STORMWATER CROSSING EXISTING TELSTRA LINES.
9. THE SETOUT OF ALL DRAINAGE STRUCTURES IS TO CENTRE OF MANHOLE/GULLYPIT U.N.O.
10. DESIGN SURFACE LEVELS FOR MANHOLES AND GULLYPITS ARE TOP OF PAVEMENT LEVEL AND LIP LEVEL OF KERB AND CHANNEL RESPECTIVELY.
11. LOCATION OF ALL MANHOLES TO BE CONFIRMED WITH ENGINEER ON SITE PRIOR TO CONSTRUCTION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR & INCLUDES COSTS FOR THE FOLLOWING IN HIS CONTRACT PRICE:
    - A. LOCAL GOVERNMENT INSPECTION FEES.
    - B. MAINTENANCE BONDS REQUIRED BY COUNCIL.
    - C. THE COLLECTION OF AS CONSTRUCTED DATA IN ACCORDANCE LOCAL GOVERNMENT GUIDELINES.
    - D. REPARATION OF AS CONSTRUCTED DRAWINGS IN ACCORDANCE WITH LOCAL GOVERNMENT GUIDELINES.
    - E. QUALITY CONTROL DOCUMENTATION FOR LOCAL GOVERNMENT RECORDS.
13. ALL MANHOLE COVERS, FRAMES AND GRATES IN TRAFFICKED AREAS ARE TO BE CLASS D.

INSET 2







INSET 1

Unless agreed otherwise by Robert Bird Group Pty Ltd (RBG) ACN 010 880 344 in writing, intellectual property rights in any information or data supplied or transferred to you (including copyright in all text, graphics, logos, layout, computer programs and software) are owned by, or licensed to, RBG. Other than for purposes authorised by RBG in writing, you must not copy, adapt, reproduce, store, publish or communicate any information or data supplied or transferred by electronic means without RBG's prior written permission. © Robert Bird Group Pty Ltd 2008

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:50 (0 1 2 3 m)

SCALE 1:250 (0 5 10 15 m)

No.	Revision Description	By	App	Date
P1	PRELIMINARY ISSUE	CR	NF	07.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS – PRELIM ISSUE	SJ	BR	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
T2	ISSUE FOR TENDER	AW	CR	27.11.07
T3	ISSUE FOR TENDER	AW	CR	12.12.07
C1	ISSUED FOR CONSTRUCTION	AW	CR	12.03.08
C2	ISSUED FOR CONSTRUCTION	AW	CR	04.06.08
A2	ISSUE FOR APPROVAL	AW	CR	10.06.08
C3	ISSUE FOR CONSTRUCTION	AW	CR	24.09.08

Structural & Civil Engineering Consultants
RobertBirdGroup
BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre, Brisbane, QLD 4001
Level 16 ANZ Centre, 324 Queen St, Brisbane QLD
Ph. (07) 3316 2777
Fax. (07) 3315 2799
Web Site: www.robertbird.com

Client: QUINN GROUP

SIGNED FOR AND ON BEHALF OF ROBERT BIRD GROUP PTY LTD _____ RPEQ _____

Title: STORMWATER DRAINAGE LAYOUT PLAN SHEET 2 OF 5

Project: OC @ EXIT 35

Date	Design	Checked
07.09.07	CR	BCR
Scale @ A1	Drawn	Approved
1:250	GF	BCR
Job Number	Drawing Number	Revision
07365	C6-02	C3

Disclaimer: With the exception of the PDF or DWF document which is identified as the form of publication for the purposes of the Building Act and Regulations, the accuracy of data or any use or reliance in accordance with the ACDS Data Agreement is permitted by you, Robert Bird Group Pty Ltd (ACN 010 880 344) on the basis that Robert Bird Group Pty Ltd (ACN 010 880 344) makes no representations or warranties in relation to the accuracy or completeness of the data, and to the maximum extent permitted by law, Robert Bird Group Pty Ltd (ACN 010 880 344) excludes all liability for any loss or damage howsoever caused (including through negligence) which you or any other party may incur directly or indirectly arising in connection with your reliance on or use of the data, information or data.

JOINS INSET 1 ON DRG. No. C6-02

PROPOSED BUILDING

EXISTING TAVERN

ROOFWATER CONNECTION

ON HOLD

ON HOLD

PACIFIC MOTORWAY SERVICE ROAD

JOINS DRG. No. C6-04

SIZE: 375ø
UIL 7.819
DIL 7.808
GRADE: 1 IN 200
LENGTH: 2.173m

SIZE: 375ø
UIL 8.130
DIL 8.091
GRADE: 1 IN 200
LENGTH: 7.757m

STORMWATER DRAINAGE NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH CURRENT GOLD COAST CITY COUNCIL SPECIFICATIONS AND STANDARD DRAWINGS.
2. ALL STORMWATER DRAINAGE PIPES SHALL BE RCP CLASS '2' U.N.O.
3. STORMWATER DRAINAGE PIPES SHALL BE SPIGOT & SOCKET WITH RUBBER RING JOINTED FOR 900 DIA. OR LESS. STORMWATER DRAINAGE PIPES GREATER THAN 900 DIA. SHALL BE FLUSH JOINTED PIPES WITH EXTERNAL ELASTOMERIC BAND.
4. ALL STORMWATER PIPES TO BE BEDDED IN ACCORDANCE WITH GCCC STD. DRG. NO. 59309.
5. ALL MANHOLES AND PITS TO BE CONSTRUCTED IN ACCORDANCE WITH GCCC STD. DRG. NOS. 59301, 59304, AND 59308.
6. ALL ROOFWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH GCCC STD. DRG. NO. 59308.
7. ALL STORMWATER LOCATIONS TO BE CONFIRMED ON SITE BY ENGINEER PRIOR TO COMMENCING STORMWATER CONSTRUCTION.
8. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING SERVICES WITH ALL RELEVANT AUTHORITIES BEFORE COMMENCING CONSTRUCTION.(PROVIDE A COPY OF THE INFORMATION TO THE SITE SUPERINTENDENT.) IN PARTICULAR PROPOSED SERVICE CROSSINGS. EG. PROPOSED STORMWATER CROSSING EXISTING TELSTRA LINES.
9. THE SETOUT OF ALL DRAINAGE STRUCTURES IS TO CENTRE OF MANHOLE/GULLYPIT U.N.O.
10. DESIGN SURFACE LEVELS FOR MANHOLES AND GULLYPITS ARE TOP OF PAVEMENT LEVEL AND LIP LEVEL OF KERB AND CHANNEL RESPECTIVELY.
11. LOCATION OF ALL MANHOLES TO BE CONFIRMED WITH ENGINEER ON SITE PRIOR TO CONSTRUCTION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR & INCLUDES COSTS FOR THE FOLLOWING IN HIS CONTRACT PRICE:
    - A. LOCAL GOVERNMENT INSPECTION FEES.
    - B. MAINTENANCE BONDS REQUIRED BY COUNCIL.
    - C. THE COLLECTION OF AS CONSTRUCTED DATA IN ACCORDANCE LOCAL GOVERNMENT GUIDELINES.
    - D. REPARATION OF AS CONSTRUCTED DRAWINGS IN ACCORDANCE WITH LOCAL GOVERNMENT GUIDELINES.
    - E. QUALITY CONTROL DOCUMENTATION FOR LOCAL GOVERNMENT RECORDS.
13. ALL MANHOLE COVERS, FRAMES AND GRATES IN TRAFFICKED AREAS ARE TO BE CLASS D.

LEGEND

- SITE BOUNDARY
- -2.50- EXISTING CONTOURS
- EXTENT OF WORKS
- PROPOSED RETAINING WALL
- BARRIER KERB AND CHANNEL
- BARRIER KERB ONLY
- PROPOSED STORMWATER PIPE
- PROPOSED SWALE

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'.

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:250

0 5 10 15 m

Rev	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	07.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS - PRELIM ISSUE	SJ	BR	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
T2	ISSUE FOR TENDER	AW	CR	29.10.07
T3	ISSUE FOR TENDER	AW	CR	27.11.07
T4	ISSUE FOR TENDER	AW	CR	12.12.07
P3	ISSUE FOR DISCUSSION	AW	CR	19.08.08
C1	ISSUE FOR CONSTRUCTION	AW	CR	20.08.08

Structural & Civil Engineering Consultant

RobertBirdGroup

BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre, Brisbane, QLD 4001
Level 10 AMZ Centre
324 Queen St, Brisbane QLD

Ph. (07) 3319 2777
Fax. (07) 3319 2799
ACN 010 561 244

Web Site: www.robertbird.com

Client: QUINN GROUP

Title: STORMWATER DRAINAGE LAYOUT PLAN SHEET 3 OF 5

Project: OC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
07.09.07	CR	---
Scale @ A1 1:250	Drawn GF	Approved ---
Job Number 07365	Drawing Number C6-03	Revision C1

A1 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

JOINS DRG. No. C6-05

PROPOSED BUILDING

LOWER LEVEL CARPARK

ø300
1 IN 100
REFER HYDRAULICS PLANS FOR DETAIL TYP.

GRASSED CHANNEL

SIZE: 375ø
UIL 7.910
DIL 7.859
GRADE: 1 IN 200
LENGTH: 10.271m

ø900
33.132m
1 IN 40

IL6.420

IL7.740 IL7.300 ø900 IL7.190 IL7.150
IL7.340 1 IN 200 20.920m
IL7.370

SIZE: 375ø
UIL 7.819
DIL 7.808
GRADE: 1 IN 200
LENGTH: 2.173m

IL7.600

F11.19

ROAD SERVICE MOTORWAY PACIFIC

JOINS DRG. No. C6-03

SECTION F
SCALE 1:25

CAR PARK
F8.665
F7.371
1 IN 2.5
1 IN 1.7
ø900
EXISTING GROUND LEVEL
1.703
IL6.111
SWALE DRAIN
PROPERTY BOUNDARY

SECTION G
SCALE 1:25

ACCESS RAMP
F7.420
F7.550
1 IN 2
EXISTING GROUND LEVEL
ø900
SWALE DRAIN
1.862
IL6.286
PROPERTY BOUNDARY

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

SECTION J
SCALE 1:25

ACCESS RAMP
F8.394
F8.554
EXISTING GROUND LEVEL
SWALE DRAIN
PROPERTY BOUNDARY
ø900
1.457
IL6.826

SECTION H
SCALE 1:25

PROPOSED GROUND LEVEL
F7.300
0.200
2.000
3.150
ø900
EXISTING GROUND LEVEL
GRASSED CHANNEL
F6.00
FLOW
0.500
IL6.111
400mm ROCK PITCHING D_{50} = 200mm
IL5.500

LEGEND

- SITE BOUNDARY
- 2.50 EXISTING CONTOURS
- EXTENT OF WORKS
- PROPOSED RETAINING WALL
- BARRIER KERB AND CHANNEL
- BARRIER KERB ONLY
- PROPOSED STORMWATER PIPE
- PROPOSED SWALE

STORMWATER DRAINAGE NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH CURRENT GOLD COAST CITY COUNCIL SPECIFICATIONS AND STANDARD DRAWINGS.
2. ALL STORMWATER DRAINAGE PIPES SHALL BE RCP CLASS '2' U.N.O.
3. STORMWATER DRAINAGE PIPES SHALL BE SPIGOT & SOCKET WITH RUBBER RING JOINTED FOR 900 DIA. OR LESS. STORMWATER DRAINAGE PIPES GREATER THAN 900 DIA. SHALL BE FLUSH JOINTED PIPES WITH EXTERNAL ELASTOMERIC BAND.
4. ALL STORMWATER PIPES TO BE BEDDED IN ACCORDANCE WITH GCCC STD. DRG. NO. 59309.
5. ALL MANHOLES AND PITS TO BE CONSTRUCTED IN ACCORDANCE WITH GCCC STD. DRG. NOS. 59301, 59304, AND 59308.
6. ALL ROOFWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH GCCC STD. DRG. NO. 59308.
7. ALL STORMWATER LOCATIONS TO BE CONFIRMED ON SITE BY ENGINEER PRIOR TO COMMENCING STORMWATER CONSTRUCTION.
8. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING SERVICES WITH ALL RELEVANT AUTHORITIES BEFORE COMMENCING CONSTRUCTION.(PROVIDE A COPY OF THE INFORMATION TO THE SITE SUPERINTENDENT.) IN PARTICULAR PROPOSED SERVICE CROSSINGS. EG. PROPOSED STORMWATER CROSSING EXISTING TELSTRA LINES.
9. THE SETOUT OF ALL DRAINAGE STRUCTURES IS TO CENTRE OF MANHOLE/GULLYPIT U.N.O.
10. DESIGN SURFACE LEVELS FOR MANHOLES AND GULLYPITS ARE TOP OF PAVEMENT LEVEL AND LIP LEVEL OF KERB AND CHANNEL RESPECTIVELY.
11. LOCATION OF ALL MANHOLES TO BE CONFIRMED WITH ENGINEER ON SITE PRIOR TO CONSTRUCTION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR & INCLUDES COSTS FOR THE FOLLOWING IN HIS CONTRACT PRICE:
    - A. LOCAL GOVERNMENT INSPECTION FEES.
    - B. MAINTENANCE BONDS REQUIRED BY COUNCIL.
    - C. THE COLLECTION OF AS CONSTRUCTED DATA IN ACCORDANCE LOCAL GOVERNMENT GUIDELINES.
    - D. REPARATION OF AS CONSTRUCTED DRAWINGS IN ACCORDANCE WITH LOCAL GOVERNMENT GUIDELINES.
    - E. QUALITY CONTROL DOCUMENTATION FOR LOCAL GOVERNMENT RECORDS.
13. ALL MANHOLE COVERS, FRAMES AND GRATES IN TRAFFICKED AREAS ARE TO BE CLASS 'D.

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:250

0 5 10 15 m

Rev.	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	07.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS - PRELIM ISSUE	SJ	BR	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
T2	ISSUE FOR TENDER	AW	CR	12.12.07
C1	ISSUED FOR CONSTRUCTION	AW	CR	12.03.08

Structural & Civil Engineering Consultant
RobertBirdGroup
BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre, Brisbane, QLD 4001
Level 16 AIIZ Centre
324 Queen St. Brisbane QLD
Ph. (07) 3319 2777
Fax. (07) 3319 2789

Client: QUINN GROUP

Title: STORMWATER DRAINAGE LAYOUT PLAN SHEET 4 OF 5

Project: OC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
07.09.07	CR	---
Scale @ A1 1:250	Drawn GF	Approved ---
Job Number 07365	Drawing Number C6-04	Revision C1

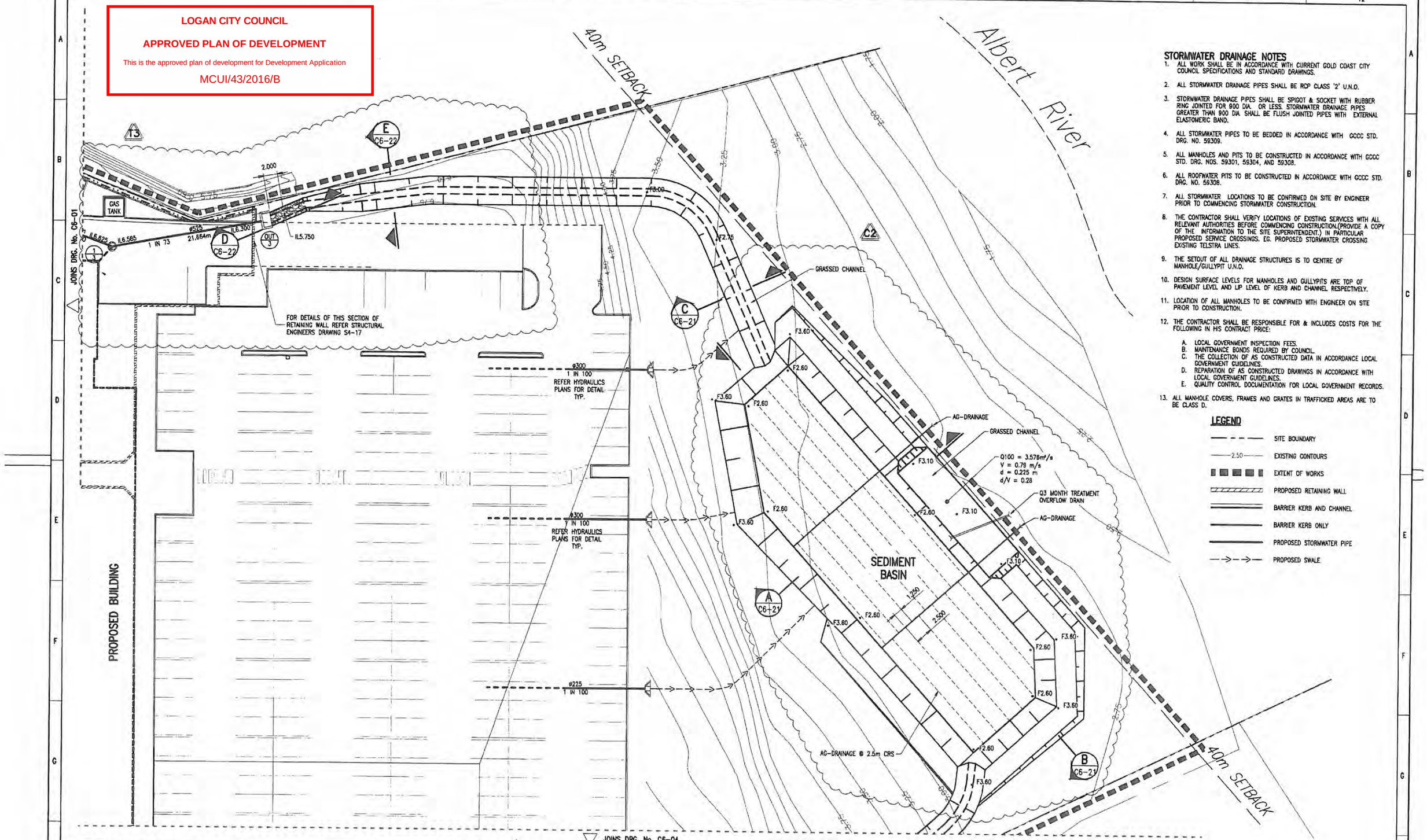
A1 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B



STORMWATER DRAINAGE NOTES

1. ALL WORK SHALL BE IN ACCORDANCE WITH CURRENT GOLD COAST CITY COUNCIL SPECIFICATIONS AND STANDARD DRAWINGS.
2. ALL STORMWATER DRAINAGE PIPES SHALL BE RCP CLASS '2' U.N.O.
3. STORMWATER DRAINAGE PIPES SHALL BE SPIGOT & SOCKET WITH RUBBER RING JOINTED FOR 900 DIA. OR LESS. STORMWATER DRAINAGE PIPES GREATER THAN 900 DIA SHALL BE FLUSH JOINTED PIPES WITH EXTERNAL ELASTOMERIC BAND.
4. ALL STORMWATER PIPES TO BE BEDDED IN ACCORDANCE WITH GCCC STD. DRG. NO. 59309.
5. ALL MANHOLES AND PITS TO BE CONSTRUCTED IN ACCORDANCE WITH GCCC STD. DRG. NOS. 59301, 59304, AND 59308.
6. ALL ROOFWATER PITS TO BE CONSTRUCTED IN ACCORDANCE WITH GCCC STD. DRG. NO. 59308.
7. ALL STORMWATER LOCATIONS TO BE CONFIRMED ON SITE BY ENGINEER PRIOR TO COMMENCING STORMWATER CONSTRUCTION.
8. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING SERVICES WITH ALL RELEVANT AUTHORITIES BEFORE COMMENCING CONSTRUCTION.(PROVIDE A COPY OF THE INFORMATION TO THE SITE SUPERINTENDENT.) IN PARTICULAR PROPOSED SERVICE CROSSINGS. EG. PROPOSED STORMWATER CROSSING EXISTING TELSTRA LINES.
9. THE SETOUT OF ALL DRAINAGE STRUCTURES IS TO CENTRE OF MANHOLE/GULLYPIT U.N.O.
10. DESIGN SURFACE LEVELS FOR MANHOLES AND GULLYPITS ARE TOP OF PAVEMENT LEVEL AND LIP LEVEL OF KERB AND CHANNEL RESPECTIVELY.
11. LOCATION OF ALL MANHOLES TO BE CONFIRMED WITH ENGINEER ON SITE PRIOR TO CONSTRUCTION.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR & INCLUDES COSTS FOR THE FOLLOWING IN HIS CONTRACT PRICE:
    - A. LOCAL GOVERNMENT INSPECTION FEES.
    - B. MAINTENANCE BONDS REQUIRED BY COUNCIL.
    - C. THE COLLECTION OF AS CONSTRUCTED DATA IN ACCORDANCE LOCAL GOVERNMENT GUIDELINES.
    - D. REPARATION OF AS CONSTRUCTED DRAWINGS IN ACCORDANCE WITH LOCAL GOVERNMENT GUIDELINES.
    - E. QUALITY CONTROL DOCUMENTATION FOR LOCAL GOVERNMENT RECORDS.
13. ALL MANHOLE COVERS, FRAMES AND GRATES IN TRAFFICKED AREAS ARE TO BE CLASS D.

LEGEND

- SITE BOUNDARY
- 2.50 EXISTING CONTOURS
- EXTENT OF WORKS
- PROPOSED RETAINING WALL
- BARRIER KERB AND CHANNEL
- BARRIER KERB ONLY
- PROPOSED STORMWATER PIPE
- PROPOSED SWALE

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'.

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:250

0 5 10 15 m

Rev.	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	07.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS - PRELIM ISSUE	SJ	BR	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
T2	ISSUE FOR TENDER	AW	CR	12.12.07
C1	ISSUED FOR CONSTRUCTION	AW	CR	07.03.08
C2	SED BASIN LEVELS RAISED	AW	CR	21.04.08

Structural & Civil Engineering Consultant

RobertBirdGroup

BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre,
Brisbane, QLD 4001
Level 16 A&Z Centre
324 Queen St Brisbane QLD

Ph. (07) 3319 2777
Fax. (07) 3319 2799

Web Site www.robertbird.com

Client: QUINN GROUP

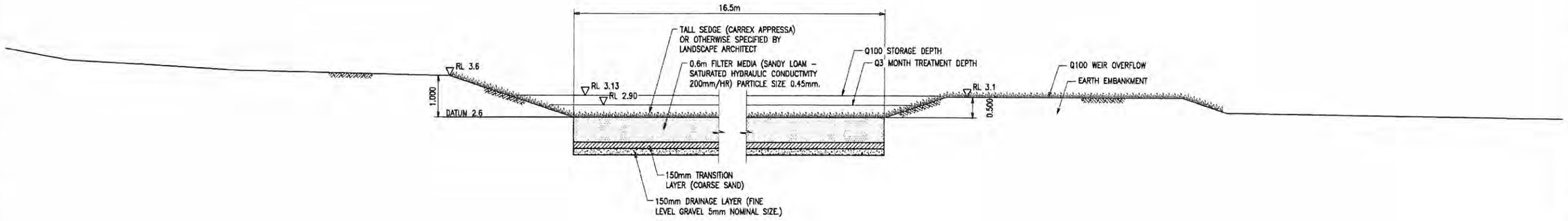
Title: STORMWATER DRAINAGE LAYOUT PLAN SHEET 5 OF 5

Project: OC @ EXIT 35

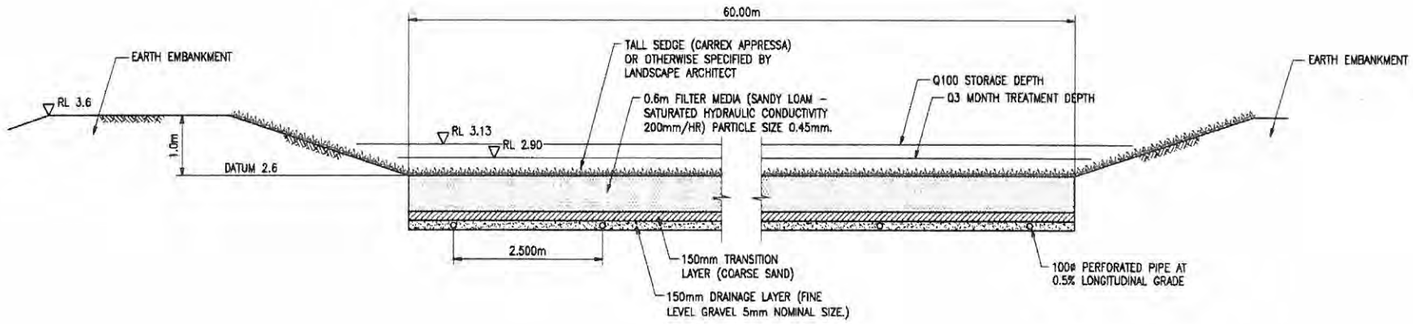
APPROVED FOR CONSTRUCTION

Date	Design	Checked
07.09.07	CR	--
Scale @ A1	Drawn	Approved
1:250	GF	-----
Job Number	Drawing Number	Revision
07365	C6-05	C2

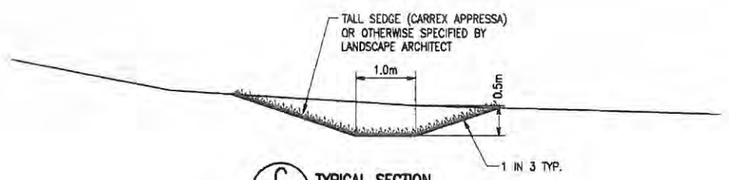
A1 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



A C6-05 **TYPICAL CROSS SECTION**
SCALE 1:50



B C6-05 **TYPICAL LONG SECTION**
SCALE 1:50



C C6-05 C6-04 **TYPICAL SECTION**
SCALE 1:50

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

This information shall be copyright except for the sole purpose of assisting the organisation named in the document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'.

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:50
0 1 2 3 m

Rev.	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	07.09.07
A1	OPERATIONAL WORKS APPROVAL	CR	NF	11.09.07
P2	UPDATED LAYOUTS - PRELIM ISSUE	SJ	BR	16.10.07
T1	UPDATED LAYOUTS - PRELIM ISSUE	AW	BR	22.10.07
C1	ISSUE FOR CONSTRUCTION	AW	BR	21.04.08

Structural & Civil Engineering Consultant

RobertBirdGroup
BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre, Brisbane, QLD 4001
Level 18 ANZ Centre
324 Queen St, Brisbane QLD
Ph. (07) 3318 2777
Fax. (07) 3318 2799
Web Site www.robertbird.com

Client: QUINN GROUP

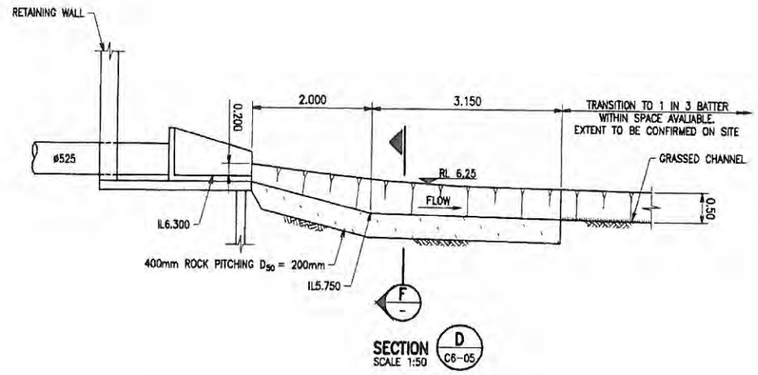
Title: STORMWATER DRAINAGE SEDIMENT BASIN SECTIONS

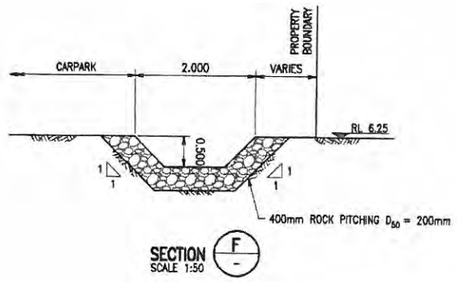
Project: OC @ EXIT 35

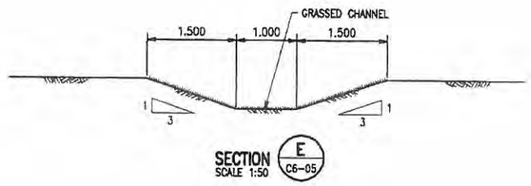
APPROVED FOR CONSTRUCTION

Date	Design	Checked
07.09.07	SJ	--
Scale @ A1 1:50	Drawn JP	Approved -- -- --
Job Number	Drawing Number	Revision
07365	C6-21	C1

A1 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150







LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:50

0 1 2 3 m

Rev	Revision Description	By	App	Date
C1	ISSUE FOR CONSTRUCTION	AW	CR	21.04.08

Rev	Revision Description	By	App	Date

Structural & Civil Engineering Consultant

RobertBirdGroup

BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre,
Brisbane, QLD 4001
Level 16 ANZ Centre
324 Queen St, Brisbane QLD

Ph. (07) 3319 2777
Fax. (07) 3319 2795

Web Site: www.robertbird.com

Client
QUINN GROUP

Title
STORMWATER DRAINAGE
SWALE SECTIONS

Project
OC @ EXIT 35

APPROVED FOR CONSTRUCTION

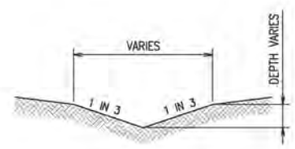
Date	Design	Checked
13.09.07	CR	---
Scale @ A1	Drawn	Approved
1:50	AW	-----

Job Number	Drawing Number	Revision
07365	C6-22	C1

A1 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

ROADWORKS NOTES

1. ALL DIMENSIONS ON THE DRAWINGS ARE IN METRES UNLESS SHOWN OTHERWISE.
2. ANY ROADWORKS SET-OUT AND DIMENSIONS ARE REFERENCED TO THE NOMINAL KERB LINE (FACE OF KERB).
3. ALL ROAD PAVEMENT LEVELS SHOWN ARE LIP LEVEL OF KERB AND CHANNEL OR PAVEMENT LEVEL OF KERB.
4. ROAD PAVEMENT LEVELS ON INTERSECTION DETAILS ARE AT TP's, MIDPOINTS OR QUARTER POINTS UNLESS SHOWN OTHERWISE.
5. ASPHALTIC CONCRETE SURFACING AND PAVEMENT SHALL BE TO LOGAN CITY COUNCIL STANDARDS AND CONSTRUCTION SPECIFICATIONS.
6. FINAL PAVEMENT DEPTHS SHALL BE DETERMINED BY THE SUPERINTENDENT AFTER SUBGRADE TESTING RESULTS HAVE BEEN EXAMINED.
7. SIDE DRAINS ARE TO BE INSTALLED UNDER ALL KERB & CHANNEL AND KERB ONLY, AND SHALL DRAIN TO A GULLY PIT. SIDE DRAINS ARE TO BE INSTALLED UNDER ALL LANDSCAPED TRAFFIC ISLANDS.
8. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH CURRENT LOGAN CITY COUNCIL SPECIFICATIONS AND STANDARD DRAWINGS UNLESS SHOWN OTHERWISE.
9. THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING SERVICES WITH ALL RELEVANT AUTHORITIES BEFORE COMMENCING CONSTRUCTION.(PROVIDE A COPY OF THE INFORMATION TO THE SITE SUPERINTENDENT.) IN PARTICULAR PROPOSED SERVICE CROSSINGS. EG. PROPOSED SEWER RETICULATION CROSSING EXISTING TELSTRA LINES.
10. ANY RELOCATION OF EXISTING SERVICES REQUIRED IS TO BE UNDERTAKEN BY THE RELEVANT SERVICE AUTHORITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND INCLUDE COSTS IN HIS CONTRACT PRICE FOR ANY RELOCATION OF EXISTING SERVICES.
11. SUB-GRADE GRAVEL SHALL EXTEND 100mm MIN. BELOW AND 300mm BEHIND REAR OF ANY TYPE OF KERB OR KERB & CHANNEL ON ALL PAVEMENTS.
12. THE CONTRACTOR SHALL VERIFY OFFSET PEGS AND BENCH MARK LEVELS AND ADVISE THE SUPERINTENDENT OF ANY DISCREPANCY BEFORE COMMENCING CONSTRUCTION.
13. ALL NEW WORK SHALL JOIN NEATLY TO AND MATCH EXISTING WORK. EXISTING ROAD PAVEMENT SHALL BE CUT BACK 300mm FOR NEW PAVEMENT TO JOIN TO. REFER TO EXISTING PAVEMENT CUT-BACK DETAIL.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR & INCLUDE COSTS FOR THE FOLLOWING IN HIS CONTRACT PRICE:
    - A. LOGAN CITY COUNCIL INSPECTION FEES.
    - B. MAINTENANCE BONDS REQUIRED BY COUNCIL.
    - C. THE COLLECTION OF AS CONSTRUCTED DATA IN ACCORDANCE LCC GUIDELINES.
    - D. PREPARATION OF AS CONSTRUCTED DRAWINGS IN ACCORDANCE WITH LCC GUIDELINES INCLUDING ADAC FILES AND ALL TEST RESULTS.
    - E. QUALITY CONTROL DOCUMENTATION FOR LCC'S RECORDS.
15. PRIMED AREAS ARE TO BE BARRICADED TO PREVENT TRAFFIC OVER PRIME PRIOR TO LAYING ASPHALT SURFACING.
16. EMULSION PRIME TO BE LAYED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS.



SECTION C
SCALE 1:20

TYPICAL EXISTING PAVEMENT CUT-BACK DETAIL
SCALE 1:10

LEGEND

- EXISTING STORMWATER PIPE
- EXISTING CONTOURS
- EXISTING KERB & CHANNEL
- SITE BOUNDARY
- EXISTING CONTOURS
- PROPOSED STORMWATER PIPE
- PROPOSED SWALE
- EXTENT OF WORKS
- PROPOSED RETAINING WALL
- BARRIER KERB AND CHANNEL
- BARRIER KERB ONLY
- PROPOSED HEADWALL
- PROPOSED STORMWATER MAINTENANCE HOLE
- PROPOSED STORMWATER PIT
- PROPOSED STORMWATER FIELD INLET PIT
- PROPOSED STRUCTURE No./LINE No.
- FINISHED PAVEMENT LEVEL

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

SIGNED FOR AND ON BEHALF OF ROBERT BIRD GROUP PTY LTD RPEQ 08261

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of "Robert Bird Group".

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS
REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:250
0 5 10 15 m

Rev	Revision Description	By	App	Date
P1	PRELIMINARY ISSUE	CR	NF	16.10.07
T1	ISSUED FOR TENDER	AW	CR	22.10.07
A1	ISSUED FOR OP WORKS APPROVAL	AW	CR	23.10.07
T2	ISSUE FOR TENDER	AW	CR	24.10.07
C1	ISSUED FOR CONSTRUCTION	AW	CR	26.02.08
A2	ISSUED FOR APPROVAL	AP	IM	22.09.17

Structural & Civil Engineering Consultant
RobertBirdGroup
BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre, Brisbane, QLD 4001
Level 16 ANZ Centre
324 Queen St, Brisbane QLD
Ph. (07) 3319 2777
Fax. (07) 3319 2799
Web Site: www.robertbird.com

Client: QUINN GROUP

Title: EXTERNAL ROADWORKS PLANS SHEET 1

Project: OC ⓫ EXIT 35

NOT FOR CONSTRUCTION

Date	Design	Checked
13.09.07	SJ	WM
Scale @ A1	Drawn	Approved
1:250	JP	WM RPEQ 8126
Job Number	Drawing Number	Revision
07365	C9-01	A2

A1
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

LEGEND

- EXISTING STORMWATER PIPE
- EXISTING CONTOURS
- EXISTING KERB & CHANNEL
- SITE BOUNDARY
- EXISTING CONTOURS
- PROPOSED STORMWATER PIPE
- PROPOSED SWALE
- EXTENT OF WORKS
- PROPOSED RETAINING WALL
- BARRIER KERB AND CHANNEL
- BARRIER KERB ONLY
- PROPOSED HEADWALL
- PROPOSED STORMWATER MAINTENANCE HOLE
- PROPOSED STORMWATER PIT
- PROPOSED STORMWATER FIELD INLET PIT
- PROPOSED STRUCTURE No./LINE No.
- +F9.60 FINISHED PAVEMENT LEVEL

NOTE
REFER DRG. No. C9-01 FOR NOTES.

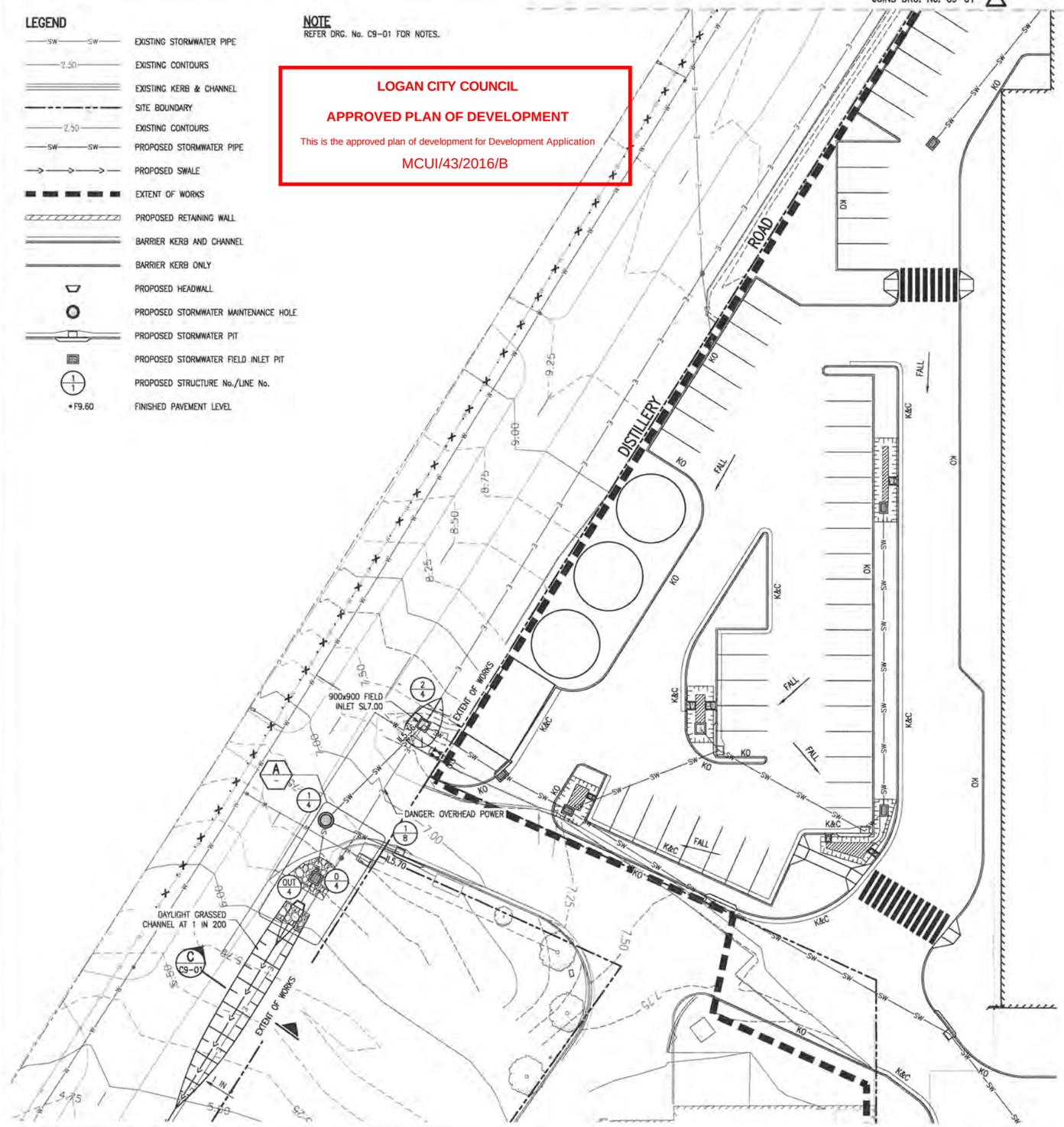
LOGAN CITY COUNCIL

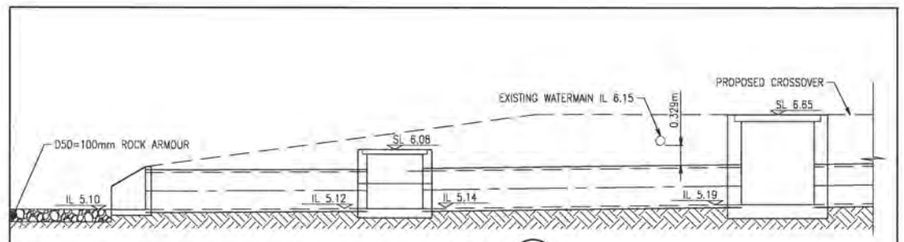
APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

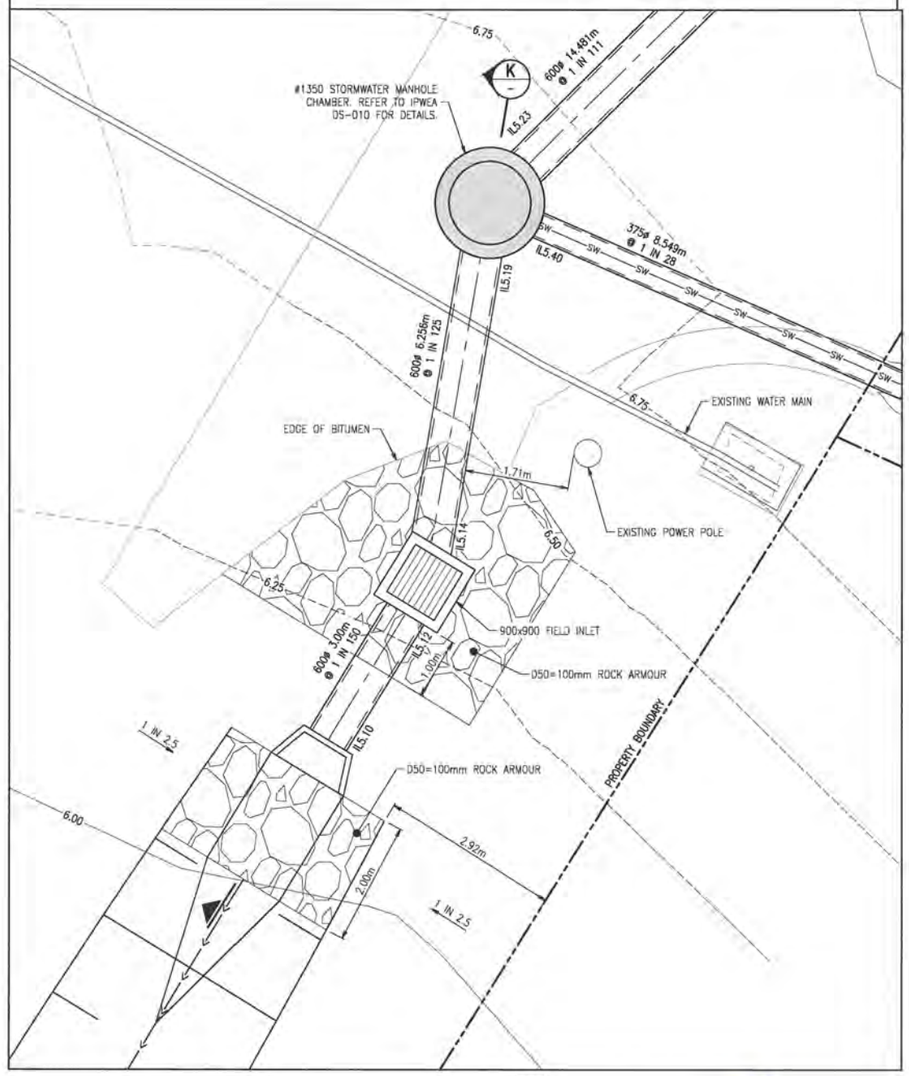
MCUI/43/2016/B

JOINS DRG. No. C9-01





SECTION K
SCALE 1:50



DETAIL A
SCALE 1:50

SIGNED FOR AND ON BEHALF OF ROBERT BIRD GROUP PTY LTD RPEQ 08261

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS
REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:250
0 5 10 15 m

Rev.	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
A1	ISSUED FOR OP WORKS APPROVAL	AW	CR	23.10.07
T2	ISSUE FOR TENDER	AW	CR	24.10.07
A2	ISSUED FOR APPROVAL	AP	IM	22.09.17

Structural & Civil Engineering Consultant
RobertBirdGroup
BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre,
Brisbane, QLD 4001
Level 16 ANZ Centre
324 Queen St, Brisbane QLD
Ph. (07) 3319 2777
Fax. (07) 3319 2799

Client: QUINN GROUP

Title: EXTERNAL ROADWORKS PLANS SHEET 2

Project: OC @ EXIT 35

NOT FOR CONSTRUCTION

Date	Design	Checked
13.09.07	SJ	WM
Scale @ A1	Drawn	Approved
1:250	JP	WM RPEQ 8132
Job Number	Drawing Number	Revision
07365	C9-02	A2

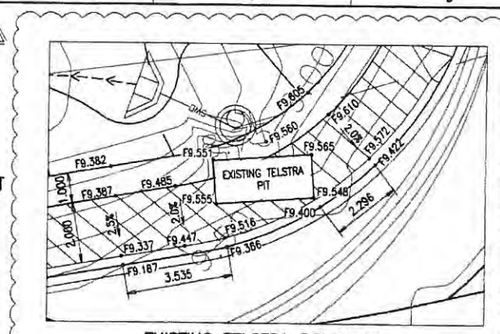
A1 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

TYPE 1 – CONCRETE FOOTPATH
REFER GCCC. STANDARD DRAWING 05-02-401 FOR DETAILS

TYPE 2 – BITUMEN HEAVY DUTY PAVEMENT
40mm THICK AC DG10 IN ACCORDANCE WITH MRS11.30 OF DMR
7mm BITUMINOUS SURFACE SEAL
125mm THICK CRUSHED ROCK TYPE 2.1 CBR 80 ON
100mm THICK CRUSHED ROCK TYPE 2.3 CBR 45 ON
350mm THICK TYPE 2.5 CBR 15 SUBGRADE REPLACEMENT
BASED ON ASSUMED SUBGRADE CBR 2

PAVEMENT NOTES
1. FINAL PAVEMENT DEPTHS SHALL BE DETERMINED BY THE ENGINEER AFTER SUBGRADE CBR TESTING RESULTS (4 DAY SOAKED) HAVE BEEN CARRIED OUT BY THE CONTRACTOR.
2. ALL PAVEMENT WORKS SHALL BE CARRIED OUT IN ACORDANCE WITH CIVIL SPECIFICATIONS AND G.C.C.C. STANDARD DRAWINGS UNLESS SHOWN OTHERWISE.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR AND INCLUDE COSTS FOR ALL COUNCIL PERMIT FEES AND INSPECTION FEES.
4. PAVEMENT DESIGN IS PROVISIONAL ONLY AND IS SUBJECT TO THE SOAKED CBR TEST. THE SUBGRADE PRELIMINARY PAVEMENT DESIGN ABOVE IS BASED ON AN ASSUMED SUBGRADE OF CBR 2.
5. CONCRETE TO BE GRADE N32, 20 MAX. AGGREGATE SIZE CONCRETE TO BE BROOM FINISHED. REINFORCEMENT TO COMPLY WITH AS1303 FOR PLAIN BARS AND AS1304 FOR WELDED FABRIC. LAP MESH AT 400 & TIE AT SPACING 500mm.
6. FOR DETAILS OF LANDSCAPING TO LANDSCAPED AREAS AND BATTERS REFER TO LANDSCAPE ARCHITECT'S PLANS.

EXTERNAL KERB SETOUT NUMBERS		
NUMBER	Position X	Position Y
01	785.269	2935.223
02	796.885	2925.412
03	800.322	2922.222
04	803.444	2918.724
05	806.084	2915.472
06	808.803	2911.966
07	811.364	2908.343
08	818.384	2897.930
09	819.255	2896.637
10	820.127	2895.344
11	825.474	2891.100
12	832.289	2890.711
13	833.951	2891.212
14	843.640	2878.375
15	841.183	2870.243
16	843.879	2862.187



EXISTING TELSTRA PIT DETAIL
SCALE 1:100

JOINS INSET 1 ON DRG. No. C3-02

PROPOSED BUILDING

PROPOSED RETAINING WALL

JOINS DRG. No. C3-04

EXTENT OF WORKS

GCCC KERB RAMP REFER GCCC STD DRG 05-02-202 FOR DETAIL

F11.15 (EXISTING)

GCCC KERB RAMP REFER GCCC STD DRG 05-02-202 FOR DETAIL.

EXISTING LINEMARKING TO BE REMOVED

EXISTING CONCRETE FOOTPATH

SERVICE ROAD

MOTORWAY

PACIFIC

EXISTING DEVELOPMENT SIGNAGE

EXISTING MEDIAN TO BE REMOVED

GCCC KERB RAMP REFER GCCC STD DRG 05-02-202 FOR DETAIL.

RELOCATE R8-2A EXTEND ø375 RCP

CONSTRUCT FOOTPATH VERGE TO MATCH EXISTING VERGE. REFER TO GCCC DRG 05-02-005 FOR DETAIL

NEATLY JOIN WITH EXISTING KERB AND CHANNEL

REMOVE R1-2A

R5-35

STOP SIGN R1-1

KEEP LEFT SIGN R2-3(L)

EXISTING KERB TO BE REMOVED

EXISTING KEEP LEFT SIGN TO REMAIN

NEW LINEMARKING

EXISTING LINEMARKING TO BE REMOVED

TELSTRA PIT. REFER DETAIL. PLAN DIMENSION OF PIT TO BE CONFIRMED ON SITE.

* CLEARANCE AND RAISED MEDIAN DIMENSION DEFINED BY EXISTING TELSTRA PIT LOCATION

LINEMARKING LEGEND

- CONTINUITY LINE (CL)
- HOLDING LINE (HL)
- STOP LINE (SL)
- SEPERATION LINE (SEPL)
- TURN LINE (TL)
- CHEVRON MARKINGS

LEGEND

- SITE BOUNDARY
- EXISTING CONTOURS
- PROPOSED RETAINING WALL
- K&C BARRIER KERB AND CHANNEL
- KO BARRIER KERB ONLY
- EXISTING KERB & CHANNEL
- +F9.60 FINISHED PAVEMENT LEVEL
- EXTENT OF WORKS

GCCC TYPE B KERB

MEDIAN TREATMENT DETAIL
SCALE 1:50

TYPICAL EXISTING PAVEMENT CUTBACK DETAIL
SCALE 1:20

NOTES:
1. PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH AS1742 PART 1 – 1975, AS1743 – 1975 AND D.O.T. MANUAL OF UNIFORM TRAFFICE CONTROL DEVICES.
2. ALL SIGNS ARE TO BE IN ACCORDANCE WITH THE D.O.T. MANUAL OF UNIFORM TRAFFICE CONTROL DEVICES.
3. ISLAND NOSES TO BE PAINTED WITH REFLECTORISED PAINT (TYPICAL).
4. RRPM'S TO BE PLACED AS PER MUTCD PART 2 SECTION 4.6.
5. EXISTING LINEMARKING TO BE REMOVED AS REQUIRED.

LOGAN CITY COUNCIL
APPROVED PLAN OF DEVELOPMENT
This is the approved plan of development for Development Application
MCU/43/2016/B

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of "Robert Bird Group"

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS
REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:250
0 5 10 15 m

Rev.	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
A1	ISSUED FOR OP WORKS APPROVAL	AW	CR	23.10.07
T2	ISSUE FOR TENDER	AW	CR	24.10.07
A2	ISSUE FOR OP WORKS APPROVAL	AW	CR	26.11.07
C1	ISSUED FOR CONSTRUCTION	AW	CR	12.03.07
C2	ISSUED FOR CONSTRUCTION	AW	CR	21.05.08

Structural & Civil Engineering Consultant
RobertBirdGroup
BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre, Brisbane, QLD 4001
Level 16 ANZ Centre
324 Queen St, Brisbane QLD
Ph. (07) 3319 3777
Fax. (07) 3319 3799
Web Site: www.robertbird.com

Client: QUINN GROUP

Title: EXTERNAL ROADWORKS PLAN SHEET 3 OF 4

Project: OC @ EXIT 35

APPROVED FOR CONSTRUCTION

Date	Design	Checked
13.09.07	SJ	CR
Scale @ A1	Drawn	Approved
1:250	JP	
Job Number	Drawing Number	Revision
07365	C9-03	C2

JOINS DRG. No. C3-05

PROPOSED BUILDING

LOWER LEVEL CARPARK

JOINS DRG. No. C3-03

PROPOSED RETAINING WALL

EXISTING KERB AND CHANNEL TO BE REMOVED

RELOCATE RB-2A

JOIN NEATLY TO EXISTING FOOTPATH.

GCCC ROLLTOP KERB AND CHANNEL TO MATCH EXISTING

EXTENT OF WORKS

GCCC KERB RAMP REFER GCCC STD DRG 05-02-202 FOR DETAIL

G.C.C.C. VEHICULAR CROSSING TYPE 3 EXISTING ONLY

SCARIFY EXISTING ASPHALT. CONSTRUCT FOOTPATH VERGE TO MATCH EXISTING VERGE. REFER TO GCCC DRG 05-02-005 FOR DETAIL

EXISTING LINEMARKING TO BE REMOVED

EXISTING CONCRETE FOOTPATH

EXISTING CONCRETE FOOTPATH

R4-1A (70KM/H)

R4-1A (60KM/H)

R5-35

R2-11A

D4-3A

F6.67

F11.19

F11.15 (EXISTING)

SERVICE ROAD

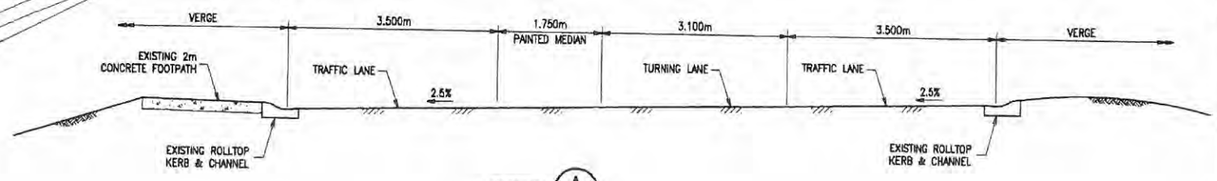
MOTORWAY

PACIFIC

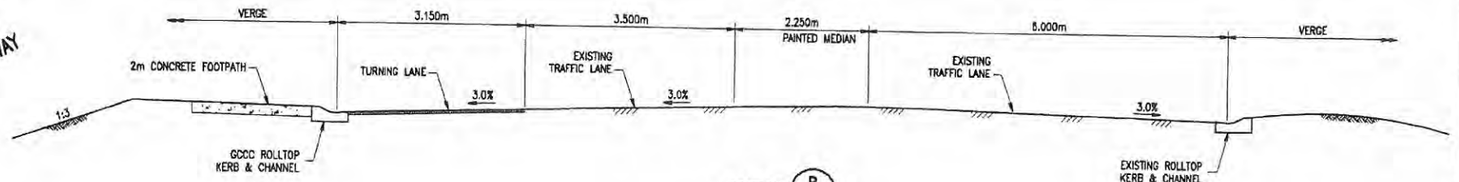
LEGEND

- SITE BOUNDARY
- 2.50 EXISTING CONTOURS
- PROPOSED RETAINING WALL
- K&C BARRIER KERB AND CHANNEL
- K0 BARRIER KERB ONLY
- EXISTING KERB & CHANNEL
- *F9.60 FINISHED PAVEMENT LEVEL
- EXTENT OF WORKS

NOTE
REFER DRG. No. C3-01 FOR NOTES.



SECTION A (C9-03) SCALE 1:50



SECTION B (C9-03) SCALE 1:50

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'.

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:250

0 5 10 15 m

Rev.	Revision Description	By.	App.	Date
P1	PRELIMINARY ISSUE	CR	NF	16.10.07
T1	ISSUE FOR TENDER	AW	CR	22.10.07
A1	ISSUED FOR OP WORKS APPROVAL	AW	CR	23.10.07
T2	ISSUE FOR TENDER	AW	CR	24.10.07
A2	ISSUE FOR OP WORKS APPROVAL	AW	CR	26.11.08
C1	ISSUED FOR CONSTRUCTION	AW	CR	12.03.07

Structural & Civil Engineering Consultant

RobertBirdGroup

BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre,
Brisbane, QLD 4001
Level 16 AN2 Centre
324 Queen St, Brisbane QLD

Ph: (07) 3319 2777
Fax: (07) 3319 2799

Web Site: www.robertbird.com

Client: QUINN GROUP

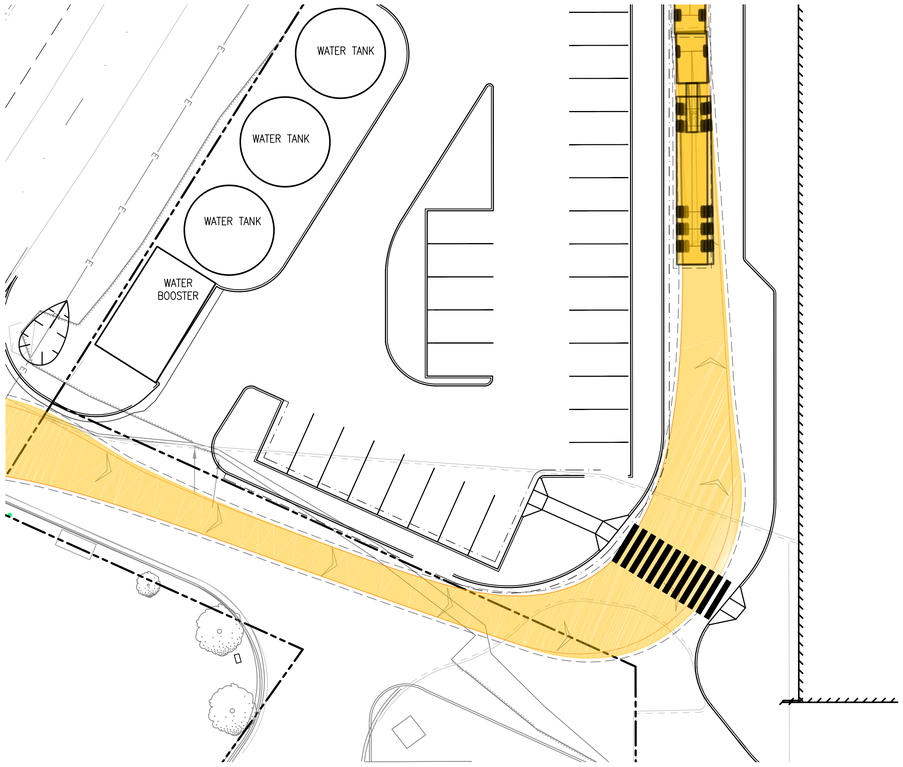
Title: EXTERNAL ROADWORKS PLAN SHEET 4 OF 4

Project: OC @ EXIT 35

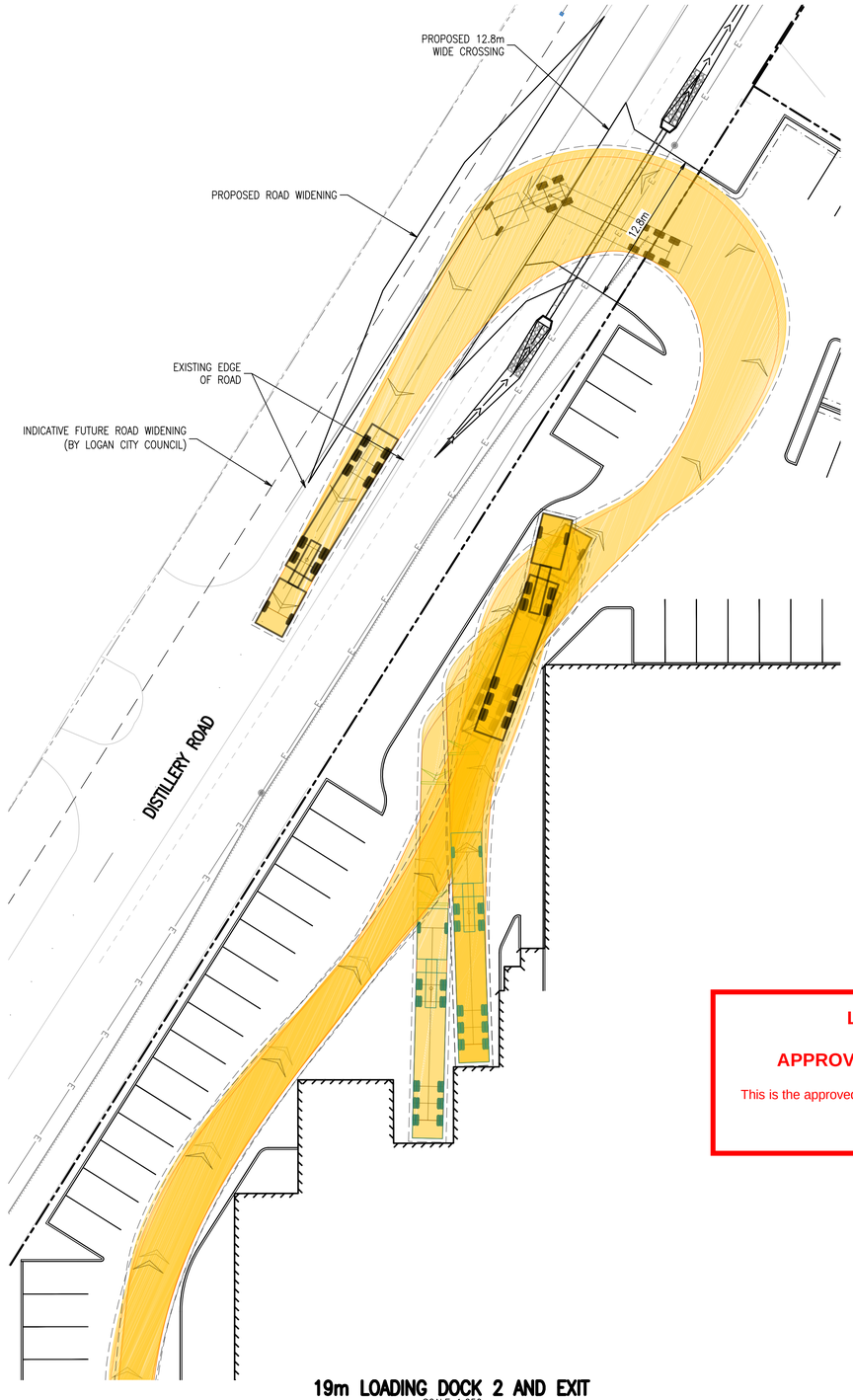
APPROVED FOR CONSTRUCTION

Date	Design	Checked
13.09.07	SJ	CR
Scale @ A1	Drawn	Approved
1:250	JP	---
Job Number	Drawing Number	Revision
07365	C9-04	C1

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



19m TURN 2
SCALE 1:250

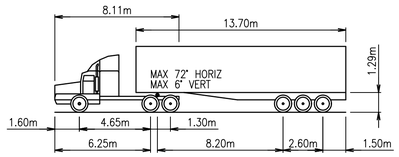


19m LOADING DOCK 2 AND EXIT
SCALE 1:250

19m TURN 1
SCALE 1:250

LEGEND

- VEHICLE TYRE PATH
- VEHICLE BODY PATH
- VEHICLE CENTRE LINE
- VEHICLE BODY 300mm OFFSET
- SINGLE ARTICULATED (19m)



SINGLE ARTICULATED (19m)

OVERALL LENGTH	19.000m
OVERALL WIDTH	2.500m
OVERALL BODY HEIGHT	4.300m
MIN BODY GROUND CLEARANCE	0.540m
TRACK WIDTH	2.500m
LOCK TO LOCK TIME	6.00s
CURB TO CURB TURNING RADIUS	12.500m

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:250
0 5 10 15 m

Rev.	Revision Description	By.	App.	Date
P1	ISSUED FOR INFORMATION	NR	AP	21.09.17

Rev.	Revision Description	By.	App.	Date

Structural & Civil Engineering Consultant

RobertBirdGroup

BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre, Brisbane, QLD 4001
Level 16 ANZ Centre
324 Queen St, Brisbane QLD

Ph. (07) 3319 2777
Fax. (07) 3319 2799
ACN 010 580 248

Web Site: www.robertbird.com

Client
QUINN GROUP

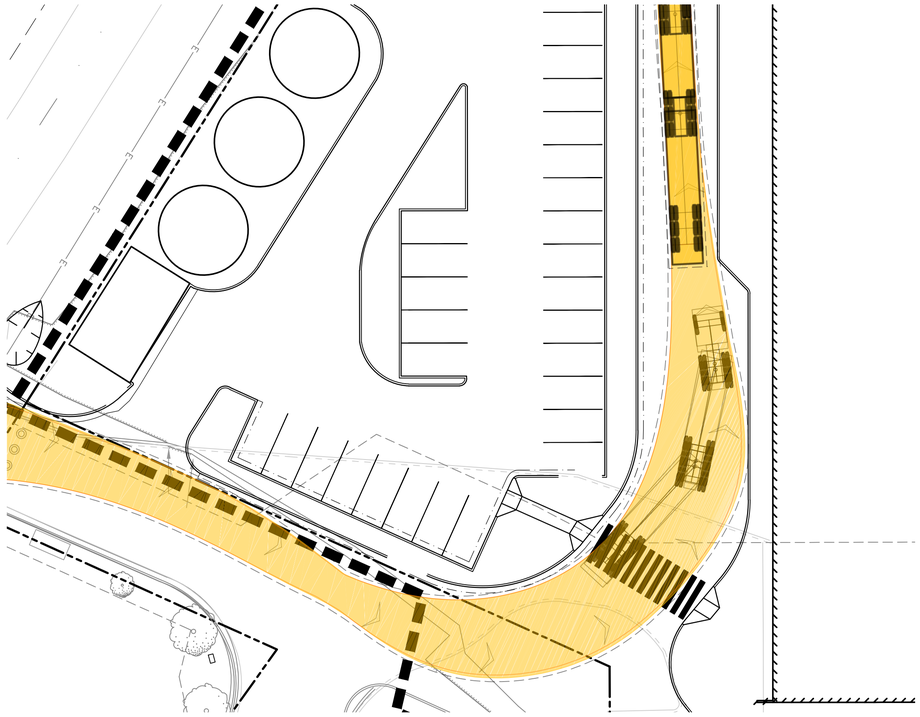
Title
VEHICLE TRACKING PLAN 1

Project
OC @ EXIT 35

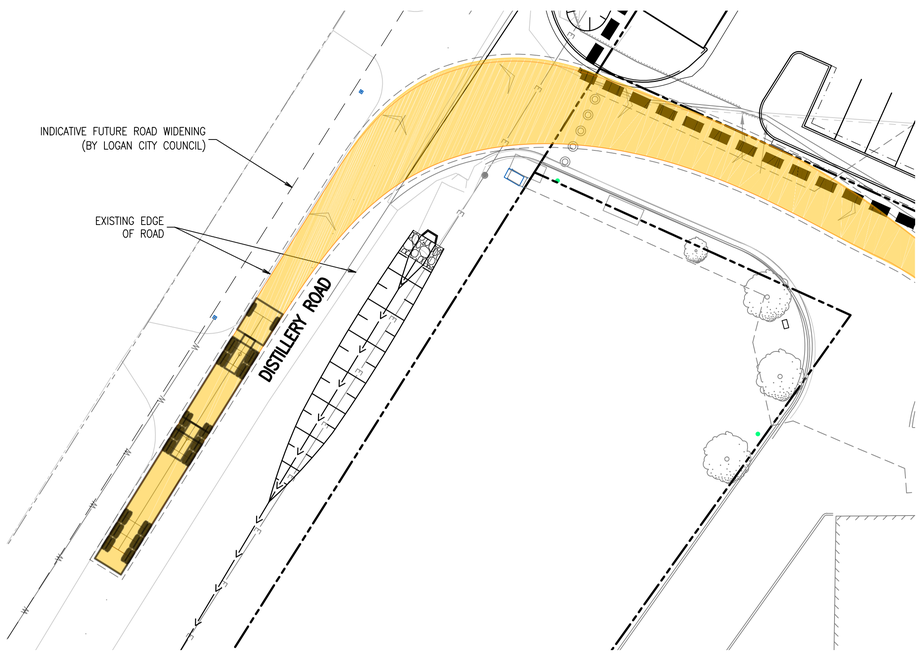
NOT FOR CONSTRUCTION

Date	Design	Checked
21.09.17	O.JAMES	--
Scale @ A1	Drawn	Approved
1:250	O.JAMES	--
Job Number	Drawing Number	Revision
17050	C10-01	P1

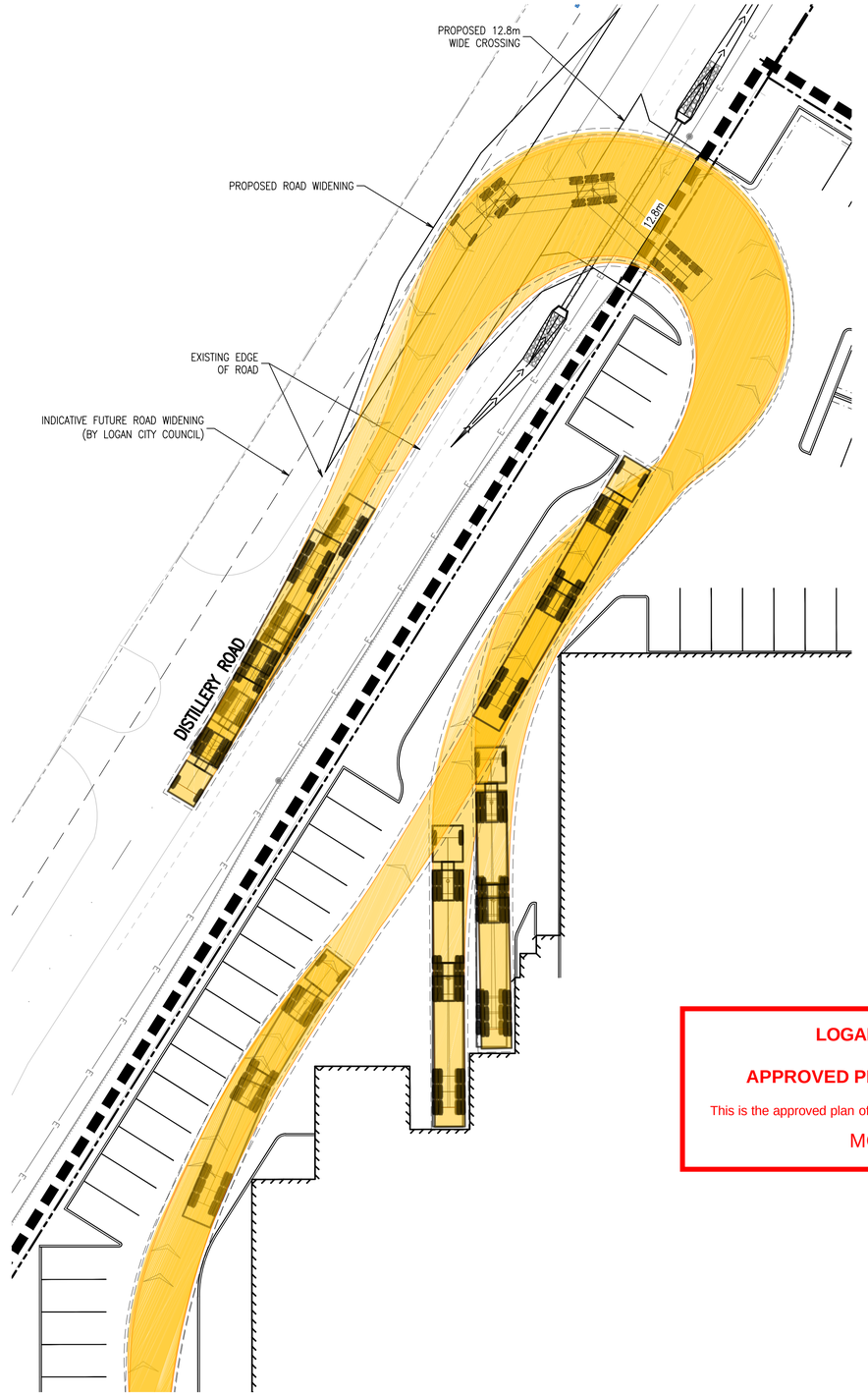
A1
0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150



B–DOUBLE TURN 2
SCALE 1:250



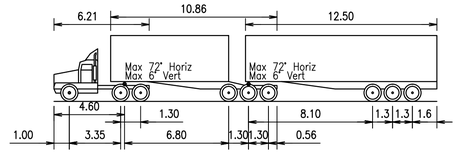
B–DOUBLE TURN 1
SCALE 1:250



B–DOUBLE LOADING DOCK 2 AND EXIT
SCALE 1:250

LEGEND

- VEHICLE TYRE PATH
- VEHICLE BODY PATH
- VEHICLE CENTRE LINE
- VEHICLE BODY 300mm OFFSET
- B–DOUBLE (25.0m)



B–DOUBLE (25.0m)

OVERALL LENGTH	25.000m
OVERALL WIDTH	2.500m
OVERALL BODY HEIGHT	4.300m
MIN. BODY GROUND CLEARANCE	0.540m
TRACK WIDTH	2.500m
LOCK–TO–LOCK TIME	6.00s
CURB TO CURB TURNING RADIUS	15.000m

LOGAN CITY COUNCIL

APPROVED PLAN OF DEVELOPMENT

This is the approved plan of development for Development Application

MCUI/43/2016/B

This information shall be copyright except for the sole purpose of assisting the organisation named in this document in performing tasks associated with the nominated project. This drawing and associated or derived information shall not be used for other purposes or transferred to others without written permission of 'Robert Bird Group'

DO NOT SCALE DRAWINGS, USE FIGURED DIMENSIONS

REFER COVER SHEET FOR NOTES UNLESS NOTED OTHERWISE

SCALE 1:250

0 5 10 15 m

Rev.	Revision Description	By.	App.	Date
P1	ISSUED FOR INFORMATION	NR	AP	21.09.17

Rev.	Revision Description	By.	App.	Date

Structural & Civil Engineering Consultant

RobertBirdGroup

BRISBANE OFFICE:
Robert Bird Group Pty Ltd
PO Box 7035, Riverside Centre,
Brisbane, QLD 4001
Level 16 ANZ Centre
324 Queen St, Brisbane QLD

Ph. (07) 3319 2777
Fax. (07) 3319 2799
ACN 010 580 248

Web Site: www.robertbird.com

Client: QUINN GROUP

Title: VEHICLE TRACKING PLAN 2

Project: OC ❶ EXIT 35

NOT FOR CONSTRUCTION

Date	Design	Checked
21.09.17	O.JAMES	––
Scale @ A1	Drawn	Approved
1:250	N.ROBINSON	––
Job Number	Drawing Number	Revision
17050	C10–02	P1

A1

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150