

If EDQ have an approved set of drawings, can they please provide these.

Part of the approval process for CRU is that all drawing submitted for approval would need to be supplied on Councils drawing frame (which is available on BCC's website).

With thanks.  
Dave

**David Kroning B. Eng (Hons), RPEQ**  
A/Manager, Traffic Signal Operations, Congestion Reduction Unit  
Brisbane Infrastructure, **BRISBANE CITY COUNCIL**

Level 2, Brisbane Square / 266 George Street, Brisbane, 4000  
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Email: [david.kroning@brisbane.qld.gov.au](mailto:david.kroning@brisbane.qld.gov.au)



**From:** Nilesh Thool  
**Sent:** Friday, 17 March 2017 3:49 PM  
**To:** David Kroning; Neal Krautz  
**Cc:** John Kakourakis; Darryl Airlie  
**Subject:** FW: Northshore Hamilton - Remora MacArthur Upgrade drawings

Hi David/Neal,

The latest set of drawings documents submitted by EDQ for **Northshore Hamilton - Remora MacArthur Upgrade project** have been placed in RM for your access and reference under the following -

Record Number: **CA16/797140**

FYI, Councils TPS and CRU team members were involved during the review phase of the design documentation.

Regards Nilesh

**Nilesh Thool**  
Project Coordinator, Major Projects  
Asset Management Projects & Innovation | Asset Management Branch  
Brisbane Infrastructure Division | **BRISBANE CITY COUNCIL**

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**From:** Nilesh Thool  
**Sent:** Wednesday, 28 September 2016 2:25 PM  
**To:** Sandra Hinrichsen; Cameron Sims; Luke Robertson; David Southwell; Mladen Maric; Dallas Lee; Richard Yearsley; Greg Stephenson



Cc: John Kakourakis; Lex Brough; Alan Jarvis; Deanna Heinke; Darryl Airlie  
Subject: FW: Northshore Hamilton - Remora MacArthur Upgrade drawings

Good afternoon All,

Further to Corey's email (as below), we would like to inform that for your convenience, and further reference, these latest set of drawings documents have been placed in TRIM for your access and reference under the following -

Record Number: **CA16/797140**

EDQ have advised that these latest set of plans now take into consideration BCC comments, Road Safety Audit comments, Peer Review comments and coordination with tie-ins to the KSD works.

From Councils point of view, we still have many fundamental issues outstanding which have yet to be adequately addressed by EDQ. Additionally we have yet to be convinced that the advice given by their own peer reviewers has been taken seriously and on board or even adequately been addressed in relation to the planning and design of this very important intersection and how it will perform and be aligned with the rest of the network. Council will likely have ongoing issues with further road network designs.

As we have followed a lengthy and thorough review process for above upgraded design works, and we continue to hit brick walls and yet be in a position to achieve an agreed resolution, It is been agreed by both parties (BCC and EDQ) to escalate these matters to the Technical Working Group (TWG) and request that the Steering Group step review the findings and provide a resolution as part of the agreed Memorandum of Understanding currently in place.

Please note that we are providing this information to you, not as a requirement to provide your feedback but to ensure you have access to their latest design plans for your information should you see a benefit in looking over the so called updated changes taking into consideration BCC comments and the Road Safety Audit comments.

Should you require anything further or be seeking explanation on the details provided by EDQ, please feel free to contact either John Kakourakis or myself.

Thank you again for your ongoing assistance.

Regards Nilesh

**Nilesh Thool**

Project Coordinator, Major Projects  
Asset Management Projects & Innovation | Asset Management Branch  
Brisbane Infrastructure Division | **BRISBANE CITY COUNCIL**

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**From:** Corey Baldwin [mailto:Corey.Baldwin@dilgp.qld.gov.au]

**Sent:** Wednesday, 28 September 2016 10:45 AM

**To:** Niles Thool

**Cc:** Archie Venitis; Darryl Airlie; Dallas Lee; David Southwell; Andrew Gale; Greg Stephenson; Mladen Maric; Cameron Sims; Sandra Hinrichsen; Chad Ryan; Richard Yearsley; Luke Robertson; [REDACTED] Adam Hunter; Deanna Heinke; Kerry Doss; Mark Hargraves; Dennis Nichol

**Subject:** RE: Northshore Hamilton - Remora MacArthur Upgrade drawings

Niles,

For your information please find attached a link to a copy of our latest drawings for the above mentioned works. There have been a number of updates taking into consideration BCC comments, Road Safety Audit comments, Peer Review comments and coordination with tie-ins to the KSD works. A copy of these drawings have recently been released to our shortlisted tenderers for pricing.

[https://www.dropbox.com/sh/y2j0h981zuogm24-\[REDACTED\]](https://www.dropbox.com/sh/y2j0h981zuogm24-[REDACTED])

Regards

**Corey Baldwin**

**Development Manager, Urban Development**

Economic Development Queensland

Department of Infrastructure, Local Government and Planning

Level 7, 63 George St, Brisbane QLD 4000

p. [REDACTED] | m. [REDACTED] | e. [corey.baldwin@dilgp.qld.gov.au](mailto:corey.baldwin@dilgp.qld.gov.au)

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**From:** Niles Thool [mailto:Niles.Thool@brisbane.qld.gov.au]

**Sent:** Friday, 12 August 2016 12:04 PM

**To:** Archie Venitis

**Cc:** Darryl Airlie; Dallas Lee; David Southwell; Andrew Gale; Greg Stephenson; Mladen Maric; Cameron Sims; Sandra Hinrichsen; Chad Ryan; Richard Yearsley; Luke Robertson; Corey Baldwin; [REDACTED] Adam Hunter; Deanna Heinke; Kerry Doss; Mark Hargraves; Dennis Nichol

**Subject:** FW: Northshore Hamilton - Remora MacArthur Upgrade drawings

Hi Archie,

I make reference to your emails dated the 15th July and 5th August 2016 in relation to the latest round of comments and responses against the Northshore Hamilton - Remora MacArthur Upgrade project.

I am pleased to advise that Council has now had the opportunity to review EDQ's latest submission (responses to comments, supporting Sidra files and a copy of the arborist report on the existing fig trees) on this project.

Based on this review we would like to advise EDQ that Council has now partly completed its review, with comments and feedback received from a number of our key stakeholders in Council (CRU, SAMP and Urban Design teams) so far.

Conversely, we have had an advise from our other key stakeholders in Council (Transport Planning and Strategy Branch) who have requested to exercise their choice to abstain from further commenting until they have had the opportunity to review updated SATURN model and re-drafted design plans in line with EDQ's responses provided by your engineering consultants once completed and received as part of a final review.



As always we ask that you please review and analysis Councils feedback provided with the intent on taking any necessary action on any recommendations or suggested changes put forward which we consider to be critical in order to achieve the best optimal solution required and to ensure we are value adding to improve the proposed facilities along this important transport/ public boulevard corridor.

We look forward to receiving your feedback on the issues and items put forward, along with the redrafted plans at your earliest convenience.

Please feel free to contact either John Kakourakis 34035392 or myself should you have any questions or should you be seeking any additional information. We also welcome the opportunity to meet with you and your design team once Council has had the opportunity to review and evaluate your revised plans.

Regards Niles

**Niles Thool**

Project Coordinator, Major Projects  
Asset Management Projects & Innovation | Asset Management Branch  
Brisbane Infrastructure Division | **BRISBANE CITY COUNCIL**

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**From:** Archie Venitis [<mailto:Archie.Venitis@dilgp.qld.gov.au>]  
**Sent:** Friday, 5 August 2016 4:49 PM  
**To:** John Kakourakis; Niles Thool  
**Subject:** FW: Northshore Hamilton - Remora MacArthur Upgrade drawings

Good Afternoon John and Niles,  
As discussed is it possible that we can have a response to the latest round of comments early next week as we are intending to our tenderers to price any design changes by the end of the week.  
Let me know if you have any queries.

Regards

Archie Venitis  
Project Manager  
Economic Development Queensland  
Department of Infrastructure, Local Government and Planning  
Level 7, 63 George St Brisbane QLD 4000  
p. [REDACTED] m. [REDACTED] e. [Archie.Venitis@dilgp.qld.gov.au](mailto:Archie.Venitis@dilgp.qld.gov.au)

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**From:** Archie Venitis  
**Sent:** Friday, 15 July 2016 1:11 PM  
**To:** 'John Kakourakis'; Niles Thool  
**Cc:** Darryl Airlie; 'Dallas Lee'; David Southwell; Andrew Gale; 'Greg Stephenson'; 'Mladen Maric'; 'Cameron Sims'; Sandra Hinrichsen; Chad Ryan; 'Richard Yearsley'; Wendy Downes; Corey Baldwin; [REDACTED]; 'Adam Hunter'; Deanna Heinke; 'Kerry Doss'; Mark Hargraves; Dennis Nichol  
**Subject:** RE: Northshore Hamilton - Remora MacArthur Upgrade drawings

Good Afternoon John and Niles,

Thank you for feedback related to the abovementioned project. We are pleased to provide you with our latest round of responses in the attached consolidated spreadsheet which have addressed most of the concerns raised. I have also attached the supporting sidra files and a copy of the arborist report on the existing fig trees for your information.

It should be noted that Robin Russell has been dealing with Andrew Gale directly in relation to the streetlight design and he has provided an in principal approval of the proposal subject to a temporary lighting solution being approved to suit the construction sequencing. This will be carried out by our selected contractor when the contract is awarded in late August.

We are currently redrafting all the plans in accordance with our design responses and we will re-issue once they are complete for councils final review. EDQ welcomes the opportunity to schedule a workshop with you and your team in order to provide you with further clarity and to discuss any outstanding matters if required.

Could you please consider and provide feedback to EDQ at your earliest convenience. Please call if you have any queries.

Regards

Archie Venitis  
Project Manager  
Economic Development Queensland  
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p. [REDACTED] m. [REDACTED] Sch. 4(4)(6) - Disclosing personal information e. [Archie.Venitis@dilgp.qld.gov.au](mailto:Archie.Venitis@dilgp.qld.gov.au)

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**From:** Niles Thool [<mailto:Niles.Thool@brisbane.qld.gov.au>]  
**Sent:** Wednesday, 22 June 2016 3:02 PM  
**To:** Archie Venitis  
**Cc:** Cameron Sims; Sandra Hinrichsen; Dallas Lee; Richard Yearsley; Mladen Maric; Deanna Heinke; Wendy Downes; Greg Stephenson; David Southwell; Corey Baldwin; [REDACTED] [bornhorstward.com.au](mailto:bornhorstward.com.au); Kerry Doss; Dennis Nichol; [REDACTED]; Mark Hargraves; John Kakourakis; Darryl Airlie  
**Subject:** FW: Northshore Hamilton - Remora MacArthur Upgrade drawings

Good Afternoon Archie,

We are pleased to inform you that Council has now had the opportunity (through its internal stakeholders) to review the feedback provided to council comments as per the BCC Review Comment spreadsheet (Remora Intersection Upgrade BCC Review Comments Spreadsheet).



Please find attached a copy of BCC Review Comment Spreadsheet (dated 22 June 2016) with councils relevant reviewer's further comments based upon the review of responses provided in the spreadsheet.

Council had also reviewed and considered the Road Safety Audit Report titled "EDQ Northshore Hamilton Detailed Design Road Safety Audit (RSA01) – 10 May 2016" that was prepared by ARUP.

While the RSA has numerous disclaimers regarding the audit scope and limitations, it correctly identifies that responsibility always rests with the road controlling authority, which will be Brisbane City Council. Therefore, council officials, under the direction of Sandra Hinrichsen, who has been registered as a Senior Road Safety Auditor with Transport and Main Roads, has provided further comments on the detail design drawings assessed by ARUP.

Please find attached Northshore Hamilton RSA - BCC Additional Findings (pdf file) to the Road Safety Audit, along with the copy of RSA spreadsheet (dated 22 June 2016) with Councils comments for your review and action (as required).

As always we ask that you review Councils further comments and feedback, along with additional findings to the Road Safety Audit, with the intent on taking action on any recommendations and suggested changes put forward which we believe will add value to improving the amenities along this important transport/ public boulevard corridor.

Council welcomes the opportunity to schedule a workshop with you and your design team in order to provide you with further clarity on the additional findings and further comments in the attached comment spreadsheets should the State see a benefit.

I have also re-attached spreadsheet titled CPED - UD – EDQ Advice - \* - which includes Councils Urban Design CPED comments on the landscaping plans which EDQ submitted for Northshore Hamilton - Remora MacArthur Upgrade.

Could you please consider and provide feedback to Council on each of the issues listed at your earliest convenience.

Regards,

**Nilesh Thool**

Project Coordinator, Major Projects  
Asset Management Projects & Innovation | Asset Management Branch  
Brisbane Infrastructure Division | **BRISBANE CITY COUNCIL**

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**From:** Archie Venitis [<mailto:Archie.Venitis@dilgp.qld.gov.au>]

**Sent:** Wednesday, 18 May 2016 3:29 PM

**To:** John Kakourakis

**Cc:** Cameron Sims; Sandra Hinrichsen; Dallas Lee; Richard Yearsley; Mladen Maric; Deanna Heinke; Wendy Downes; Greg Stephenson; David Southwell; Corey Baldwin; [REDACTED] Mark Hargraves; Dennis Nichol;





Kerry Doss

**Subject:** FW: Northshore Hamilton - Remora MacArthur Upgrade drawings

Good Afternoon John,

Further to my email on the 6<sup>th</sup> May, I am pleased to provide council with an update on the feedback to council comments as per attached spreadsheet which outlines our position.

In addition I have attached the road safety audit that was prepared by ARUP for your information with a separate spreadsheet which outlines the actions to mitigate the risks identified in the audit. It should be noted that there is still another round of review required to consider the street lighting risks and any further design changes.

As mentioned in my previous email, we welcome any further comments that you can provide so they can be reviewed however we need this feedback asap. In particular it appears that we have no comments on the AHH streetscape designs which may have some considerations that need to be reviewed/amended.

EDQ welcomes the opportunity to schedule a workshop with you and team in order to provide council with further clarity on the listed items in the attached comment spreadsheets should the Council see a benefit. In addition we can discuss the recommendation safety audit findings and the peer review of the transport study which is almost complete. I also understand that Kerry Doss has been liaising directly with Mark Hargraves to arrange a meeting to discuss the high level concerns related to this project.

Please call to discuss if you have any queries.

Regards

**Archie Venitis**  
**Project Manager**

**Economic Development Queensland**

Department of Infrastructure, Local Government and Planning

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**From:** Archie Venitis

**Sent:** Friday, 6 May 2016 5:47 PM

**To:** 'John Kakourakis'; Corey Baldwin

**Cc:** Cameron Sims; Sandra Hinrichsen; Dallas Lee; Richard Yearsley; Mladen Maric; Deanna Heinke; Wendy Downes; Greg Stephenson; David Southwell; Corey Baldwin

**Subject:** RE: Northshore Hamilton - Remora MacArthur Upgrade drawings

Hi John,

Thanks for providing comments in relation to the Remora/Macarthur Upgrade drawings. At a quick glance there are a number of good points raised which our consultant team will provide a response shortly.

We look forward to any further comments that you can provide so they can be reviewed. In particular it appears that we have no comments on the AHH streetscape designs which may have some considerations that need to be reviewed/amended.

Also I thought I would note that the Road Safety Audit is due for completion early next week which I will forward once it is finalised. From early discussions with ARUP it appears that there are no fatal flaws with the design and that we intend amending plans after we meet to discuss the feedback.



It might be worthwhile that we schedule another workshop to run through the safety audit findings, the peer review of the transport study and to discuss Council's concerns. I suggest that we aim to organise the workshop on the 16 or 17<sup>th</sup> May if that suits.

Again thanks for coordinating the response and we look forward to discussing the project with Council in the near future.

Regards

Archie Venitis  
Project Manager  
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**From:** John Kakourakis [<mailto:John.Kakourakis@brisbane.qld.gov.au>]  
**Sent:** Friday, 6 May 2016 2:04 PM  
**To:** Corey Baldwin; Archie Venitis  
**Cc:** Cameron Sims; Sandra Hinrichsen; Dallas Lee; Richard Yearsley; Mladen Maric; Deanna Heinke; Wendy Downes; Greg Stephenson; David Southwell  
**Subject:** FW: Northshore Hamilton - Remora MacArthur Upgrade drawings

Good Morning Archie,

We are pleased to inform you that Council has now had the opportunity (through its internal stakeholders) to review the documentation received in relation to the Remora MacArthur upgrade works forming what EDQ are terming part of a RSA assessment.

Please find attached a copy of Council's Review Comment Spreadsheet based on our review of the submitted design plans received. Please note that comments listed have only been received from a small number of invited reviewers. Therefore, there may be further comments received down the track.

While Council believes that commencing the RSA prior to reaching agreement on Councils design concerns demonstrates a push away from what was agreed to last year, and that the recent correspondence from EDQ, suggests that no changes will be made to the design prior to the RSA commencing. We still see a benefit in providing EDQ with the attached comments prior to construction with the understanding that further action will be taken to mitigate against any potential non-standard issues and to ensure that the fundamental aspects of what Councils sees as being part of the provision of a safe environment for pedestrians, cyclists and park users to encourage their use, will lead towards a positive contribution to the local community and the aligned health benefits these facilities will offer.

As always, Council welcomes the opportunity to schedule a workshop with you and your design team in order to provide you with further clarity on the listed items in the attached comment spreadsheet should the State see a benefit.



Could you please consider and provide feedback to Council on each of the issues listed at your earliest convenience.

Regards,

**John Kakourakis**

Senior Team Leader | Major Projects |  
Asset Management Projects & Innovation |  
Asset Management Branch | Brisbane Infrastructure Division |  
**BRISBANE CITY COUNCIL**

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**From:** Corey Baldwin [<mailto:Corey.Baldwin@dilgp.qld.gov.au>]

**Sent:** Wednesday, 16 March 2016 3:32 PM

**To:** John Kakourakis

**Cc:** Archie Venitis; Nilesh Thool

**Subject:** Northshore Hamilton - Remora MacArthur Upgrade drawings

John,

As per discussions we are almost complete our tender design for the proposed Remora MacArthur upgrade works and looking to go out to tender in the coming month or so. In parallel we will be looking to get an independent design consultant to undertake a Road Safety Audit (RSA) on the drawings as they stand. Please find attached a link below to our latest drawings which will be forwarded to our consultant to undertake the RSA. We also welcome BCC to provide comment.

<https://www.dropbox.com/sh/ywskq2503jerodo/AAC4b8aoct4iTjerGBKE9WTRa?dl=0>

Regards

**Corey Baldwin**  
Development Manager, Urban Development  
Economic Development Queensland  
Department of Infrastructure, Local Government and Planning  
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PO Box 2202 Brisbane QLD 4001

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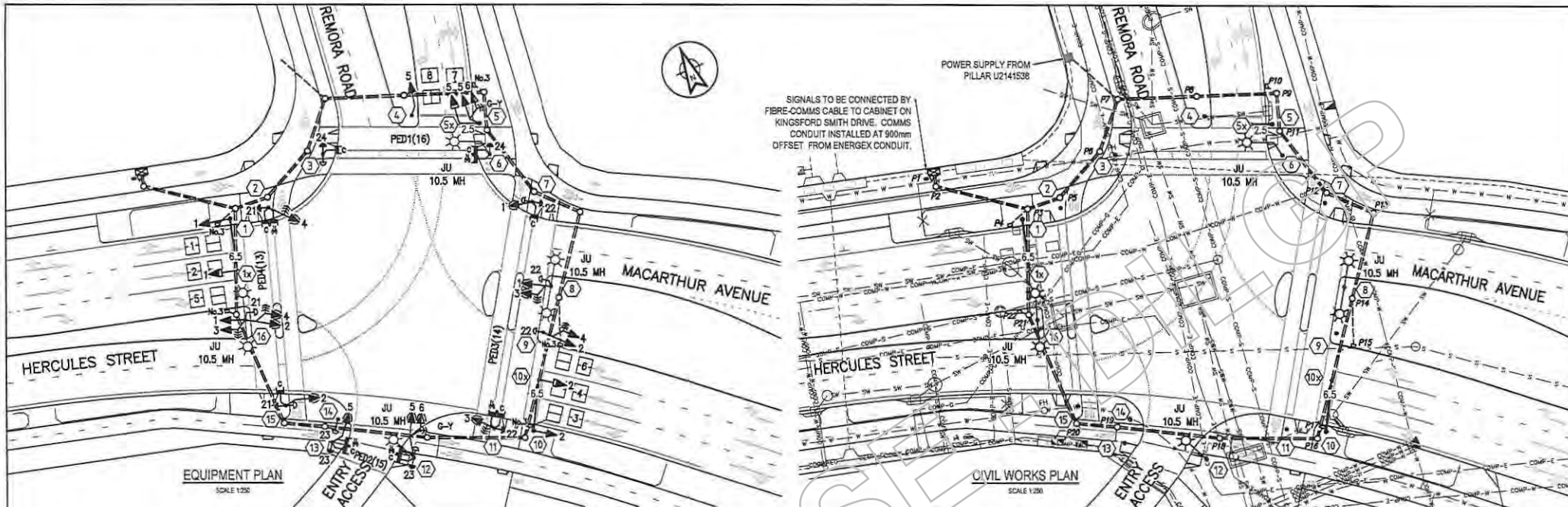
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**SCOPE OF WORKS**  
 The following notes are as applicable. If in doubt please contact Brisbane City Council, Congestion Reduction Unit, Traffic Signal Operations on (07) 34038888.

- SUPPLY AND INSTALL DUCTS AND PITS AS PER DRAWING COMPLETE WITH DRAW WIRE.
- SUPPLY AND INSTALL EQUIPMENT, AS APPLICABLE, TRAFFIC SIGNAL CONTROLLER WITH BCC APPROVED EQUIPMENT SUPPLIED WITH TOP HAT INCLUDING: 6 AMP ACTIVE AND 8 AMP FLASHING YELLOW FUSING SIGNAL GROUP MODULES TO SUIT, 1 X BCC 6 CHANNEL VIDI RECEIVER, 1 X BCC 8 CHANNEL VIDI MUX AS APPLICABLE, 1 X AUDIO / TACTILE RELAY, 1 X 32 INPUT DETECTOR CARD, PLUG BOARD TO SUIT, 1 X BCC CONTROLLER SHELF, 1 X BCC CONTROLLER IDENTIFICATION PLATE AND 1 X FAULT LOG BOOKLET.
- SUPPLY AND INSTALL TRAFFIC SIGNAL HARDWARE AS PER EQUIPMENT SCHEDULE.
- SUPPLY AND INSTALL 16MM 2 CORE PVC CONSUMER MAINS CABLE TO CONTROLLER FROM ELECTRICAL POINT OF SUPPLY 6SP. IF CONDUITS ARE SHALLOW REFER TO DESIGN OFFICE. IF ELECTRICAL SUPPLY IS FROM UNDERGROUND DIRECT FEED, FUSED BELL JOINT TO BE INSTALLED BETWEEN TRAFFIC SIGNAL CONTROLLER AND POINT OF SUPPLY. CONTACT BCC TO REQUEST POINT OF SUPPLY. REFER NOTES FOR CONTACT DETAILS.
- CONTACT BCC TO REQUEST NEW DATA CONNECTION FOR TRAFFIC SIGNAL CONTROLLER. REFER NOTES FOR CONTACT DETAILS.
- SUPPLY AND INSTALL NEW CABLE IN ACCORDANCE WITH CABLE CONNECTION DETAIL.
- INSTALL AND COMMISSION NEW CONTROLLER PERSONALITY. REFER NOTES FOR PERSONALITY REQUEST DETAILS.
- SUPPLY AND INSTALL LOOP DETECTOR FEEDER CABLE FROM CONTROLLER TO ALL LOOPS.
- ALL LOOP DETECTORS TO BE CUT UNLESS OTHERWISE INDICATED.

THIS PLAN TO BE READ IN CONJUNCTION WITH CE006642-001-TF-3002

**SYMBOL LEGEND**

SYMBOL	DESCRIPTION
—	80mm# DUCT
—	2 x 100mm# DUCT
1	TRAFFIC SIGNAL POST NUMBER
2	TRAFFIC SIGNAL CONTROLLER
3	PIT (TYPE 'CIRCULAR' UNLESS NOTED OTHERWISE)
4	POST
5	MAST ARM (OUTREACH TO SCALE)
6	PEDESTRIAN PUSH BUTTON (AUDIO TACTILE)
7	PEDESTRIAN COUNTDOWN LANTERN
8	3 ASPECT 200mm VEHICLE LANTERN
9	3 ASPECT 200mm RT TURN VEHICLE LANTERN
10	3 ASPECT 300mm VEHICLE LANTERN
11	DETECTOR LOOP (QUADRIPOLE)
12	VISION
13	JOINT USE TRAFFIC SIGNAL AND ROAD LIGHTING POLE

**FAULT LOOP IMPEDANCE**

WORKS TO COMPLY WITH AS2030 FAULT LOOP IMPEDANCE REQUIREMENTS ARE AS FOLLOWS:

- INSTALL RELAYS (E300197) FUSE CARTRIDGE (ANS 6 AMP) FUSELINK BETWEEN FLASHER UNIT AND CONTROL RELAY.
- INSTALL 6 AMP HRC FUSE BETWEEN MASTER RELAY AND A2.

**TRAFFIC SIGNAL EQUIPMENT SCHEDULE**

STN No.	EXIST. No.	RECOVER (m)	INSTALL (m)	FOOTING	DEHOLIC	COMPONENT		EXIST. COMPONENT	QTY	RECOVER (CY)	INSTALL COMPONENT	QTY	REMARKS
						TYPE	HEIGHT						
1			MAST ARM	X		OUTREACH	200mm 3-ASPECT		1		200mm 3-ASPECT	1	RIGHT TURN ARROWS
2		4.1		X		LANTERN	200mm 3-ASPECT		1		200mm 3-ASPECT	1	
3		4.1		X		LANTERN	200mm 3-ASPECT		1		200mm 3-ASPECT	1	
4		4.1		X		LANTERN	200mm 3-ASPECT		1		200mm 3-ASPECT	1	
5		MAST ARM		X		OUTREACH	200mm 3-ASPECT		1		200mm 3-ASPECT	1	GREEN / YELLOW LEFT TURN ARROWS
6		6.5 JU		X		LANTERN	200mm 3-ASPECT		1		200mm 3-ASPECT	1	
7		4.1		X		LANTERN	200mm 3-ASPECT		1		200mm 3-ASPECT	1	RIGHT TURN ARROWS
8		6.5 JU		X		LANTERN	200mm 3-ASPECT		1		200mm 3-ASPECT	1	
9		4.1		X		LANTERN	200mm 3-ASPECT		1		200mm 3-ASPECT	1	
10		MAST ARM		X		OUTREACH	200mm 3-ASPECT		1		200mm 3-ASPECT	1	RIGHT TURN ARROWS
11		4.1		X		LANTERN	200mm 3-ASPECT		1		200mm 3-ASPECT	1	
12		6.5 JU		X		LANTERN	200mm 3-ASPECT		1		200mm 3-ASPECT	1	GREEN / YELLOW LEFT TURN ARROWS
13		4.1		X		LANTERN	200mm 3-ASPECT		1		200mm 3-ASPECT	1	
14		1.6		X		LANTERN	200mm 3-ASPECT		1		200mm 3-ASPECT	1	
15		4.1		X		LANTERN	200mm 3-ASPECT		1		200mm 3-ASPECT	1	
16		6.5 JU		X		LANTERN	200mm 3-ASPECT		1		200mm 3-ASPECT	1	

SIGNALS TO BE CONNECTED BY FIBRE-COMMS CABLE TO CABINET ON KINGSFORD SMITH DRIVE. COMMS CONDUIT INSTALLED AT 900mm OFFSET FROM ENERGEX CONDUIT.

POWER SUPPLY FROM PILLAR U2141536

**CIVIL WORKS PLAN**

SCALE 1:250

**NOTES**

- ALL LANTERNS DEEMED TO BE 200MM LED TYPE EXCEPT WHERE SPECIFIED OTHERWISE
- LONG CLOSED VISORS ARE 300MM LONG
- PEDESTRIAN LANTERNS TO BE 3-ASPECT COUNTDOWN AS PER BCC SPECIFICATION
- PEDESTRIAN PUSH BUTTONS TO BE AUDIO TACTILE TYPE EXCEPT WHERE SPECIFIED OTHERWISE
- LOOP JOINTING PITS TO BE NO 3 TYPE ALL OTHERS TO BE CIRCULAR TYPE EXCEPT WHERE SPECIFIED OTHERWISE
- INSTALL 1 X 100MM ELECTRICAL CONDUIT FROM SIGNAL POST TO NEAREST PIT
- INSTALL 1 X 80MM ELECTRICAL CONDUIT FROM LOOP JOINTING PIT TO NEAREST SIGNAL PIT
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY SERVICE LOCATIONS PRIOR TO ANY EXCAVATION
- ANY CONFLICTS BETWEEN EXISTING SERVICES AND SIGNAL CONDUITS TO BE RESOLVED BY THE CONTRACTOR IN CONSULTATION WITH THE PRINCIPAL
- BCC EQUIPMENT TO BE PURCHASED FROM BRISBANE CITY COUNCIL AT CONTRACTORS EXPENSE. CONTRACTOR TO CONTACT BRISBANE CITY COUNCIL, FIELD SERVICES GROUP PH (07) 34038888
- CONTROLLER TOP HAT TO BE FITTED OUT AS PER STANDARD DRAWING BSD-330
- INSTALLATION, JOINTING AND TERMINATION OF FIBRE OPTIC CABLE TO BE UNDERTAKEN BY SUB CONTRACTOR NOMINATED BY BRISBANE CITY COUNCIL. AT CONTRACTORS EXPENSE CONTRACTOR TO CONTACT BCC, CONGESTION REDUCTION UNIT, INTELLIGENT TRANSPORT SYSTEMS FOR LIST OF ACCEPTED SUB CONTRACTORS PH (07) 34038881
- INSTALLATION OF EQUIPMENT IN LOCAL MUX TO BE UNDERTAKEN BY SUB CONTRACTOR NOMINATED BY BRISBANE CITY COUNCIL AT CONTRACTORS EXPENSE. CONTRACTOR TO CONTACT BCC, CONGESTION REDUCTION UNIT, INTELLIGENT TRANSPORT SYSTEMS FOR LIST OF ACCEPTED SUB CONTRACTORS PH (07) 34038881
- CONTRACTOR PERSONALITY TO BE CONFIGURED BY BRISBANE CITY COUNCIL. CONTRACTOR TO SUBMIT PERSONALITY REQUEST FORM TO BCC, CONGESTION REDUCTION UNIT, TRAFFIC SIGNAL OPERATIONS PH (07) 34038888 WITHIN 4 WEEKS NOTICE REQUIRED
- COMMISSIONING OF SIGNALS, INCLUDING COMPUTER CONTROL DATA CHANGES TO BE UNDERTAKEN BY BRISBANE CITY COUNCIL. CONTRACTOR TO SUBMIT 'TRAFFIC SIGNALS INSTALLATION - PRE COMMISSIONING SHEET' TO BCC, CONGESTION REDUCTION UNIT, TRAFFIC SIGNAL OPERATIONS PH (07) 34038888 WITHIN 4 WEEKS NOTICE REQUIRED
- LOOP DETECTORS (WHERE POSSIBLE) TO BE INSTALLED PRIOR TO LAYING FINAL SURFACE FOR MINIMUM DEPTH OF ASPHALT AT LOOP LOCATIONS REFER TO STANDARD DRAWING BSD-4711
- INSTALLATION OF TRAFFIC SIGNALS TO BE IN ACCORDANCE WITH BRISBANE CITY COUNCIL BSD STANDARD DRAWINGS AND AUSTRALIAN STANDARDS
- ELECTRICAL POINT OF SUPPLY TO BE REQUESTED THROUGH BRISBANE CITY COUNCIL. CONTRACTOR TO CONTACT BCC, CONGESTION REDUCTION UNIT, TRAFFIC SIGNAL OPERATIONS PH (07) 34038888. MINIMUM 4 WEEKS NOTICE REQUIRED
- DATA CONNECTION TO BE REQUESTED THROUGH BRISBANE CITY COUNCIL. CONTRACTOR TO CONTACT BCC, CONGESTION REDUCTION UNIT, INTELLIGENT TRANSPORT SYSTEMS PH (07) 34038881. MINIMUM 8 WEEKS NOTICE REQUIRED
- CONDUIT CONNECTIONS TO COMMUNICATIONS INFRASTRUCTURE TO BE INSTALLED BY CONTRACTOR. CONTACT BCC, CONGESTION REDUCTION UNIT, INTELLIGENT TRANSPORT SYSTEMS PH (07) 34038881 TO REQUEST CONNECTION
- 100% CLEAR VISIBILITY TO BE MAINTAINED TO PRIMARY LANTERN
- ONLY 1M OF BLACK CABLE TO BE INSTALLED WITHIN PIT AT SUCH TRAFFIC SIGNAL POST
- ELECTRICAL CONTRACTOR TO SUBMIT FORM 2 TO ENERGEX ON COMPLETION OF WORK

**SETTING OUT - HARDWARE FOOTINGS**

(Co-ordinates are given to the center of the footing)

HWARE NO.	HWARE ITEM	X-EASTINGS	Y-NORTHINGS
1	MAST ARM (16.5m D/R)	6331.119	4891.252
2	4.1m POST	6461.362	4899.549
3	4.1m POST	6953.298	4892.823
4	4.1m POST	6465.706	4892.752
5	MAST ARM (16.5m D/R)	6973.349	4883.325
6	JOINT USE (10.5m M/R)	6972.718	4882.516
7	4.1m POST	6975.252	4876.453
8	JOINT USE (10.5m M/R)	6973.338	4882.691
9	MAST ARM (16.5m D/R)	6463.328	4882.881
10	4.1m POST	6953.665	4892.221
11	JOINT USE (10.5m M/R)	6963.750	4882.844
12	4.1m POST	6952.829	4888.071
13	4.1m POST	6953.789	4885.659
14	4.1m POST	6953.586	4877.775
15	JOINT USE (10.5m M/R)	6953.248	4882.243

**SETTING OUT - PITS**

(Co-ordinates are given to the center of the pit)

PIT NO.	PIT TYPE	X-EASTINGS	Y-NORTHINGS
1	NO.1	6959.886	4899.852
2	CIRCULAR	6476.719	4891.441
3	CIRCULAR	6462.265	4891.151
4	No.3	6973.388	4892.256
5	CIRCULAR	6461.582	4891.716
6	CIRCULAR	6953.655	4894.356
7	CIRCULAR	6956.485	4893.229
8	CIRCULAR	6956.886	4895.584
9	CIRCULAR	6973.378	4891.758
10	No.3	6975.558	4893.078
11	CIRCULAR	6973.699	4887.554
12	CIRCULAR	6975.927	4877.532
13	CIRCULAR	6461.322	4871.242
14	CIRCULAR	6973.391	4883.974
15	No.3	6971.072	4858.459
16	CIRCULAR	6461.594	4884.671
17	No.3	6963.716	4892.523
18	CIRCULAR	6953.553	4854.522
19	CIRCULAR	6973.234	4881.038
20	CIRCULAR	6973.485	4881.665
21	CIRCULAR	6974.840	4878.840
22	No.3	6953.816	4877.640

**Congestion Reduction Unit**  
 Brisbane City Council

MAILING ADDRESS: CPO Box 1434, Brisbane QLD 4001

DATE: 22/03/17

PROJECT: Signal Design Accepted ORIGINAL SIGNED BY: *Cardno*

PROJECT: ECONOMIC DEVELOPMENT QLD, HAMILTON NORTHSHORE

TITLE: HERCULES ST / REMORA RD TRAFFIC SIGNAL CONSTRUCTION DETAILS

DESIGN: JAN 2016, DRAWN: JAN 2016, CHECKED: JAN 2016

REFERENCE NO: CE006642

SCALE: 1:250

PROJECT NUMBER: 15681

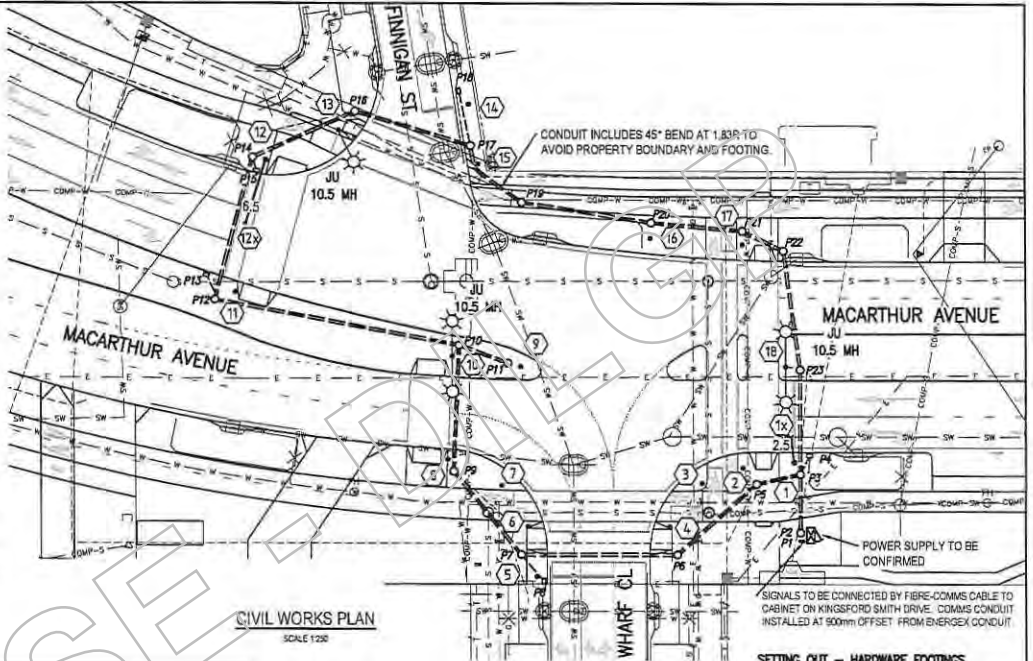
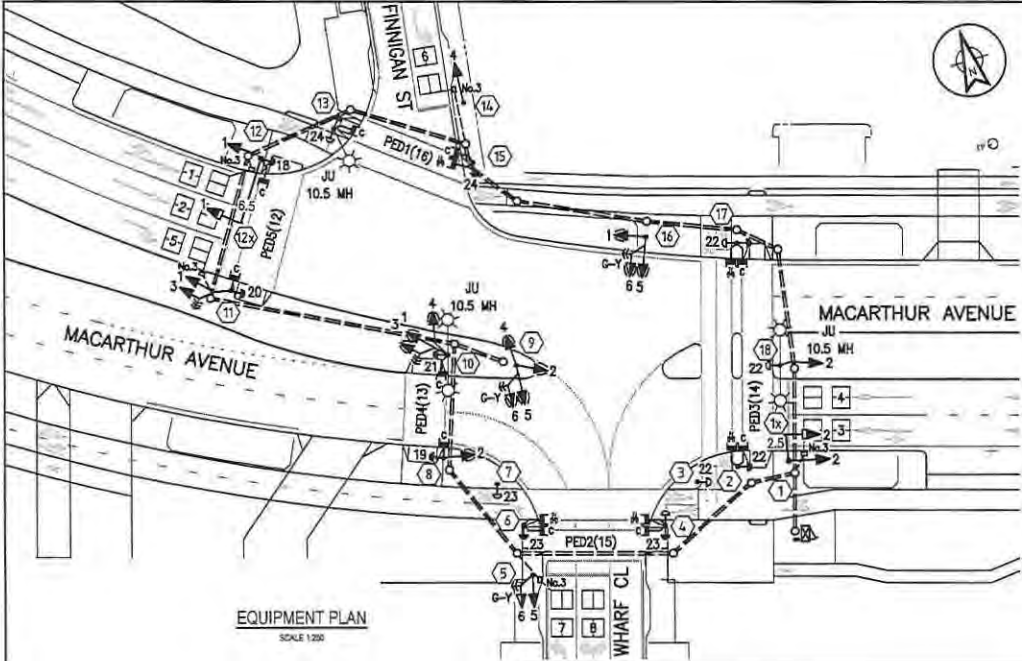
ISSUE: CE006642-001-TF-301 / 1 of 2

ISSUE: G









- SCOPE OF WORKS**  
The following notes are applicable. If in doubt please contact Brisbane City Council, Congestion Reduction Unit, Traffic Signal Operations on (07) 34038888.
- SUPPLY AND INSTALL DUCTS AND PITS AS PER DRAWING COMPLETE WITH DRAW WIRE
  - SUPPLY/INSTALL/REPLACE, AS APPLICABLE, TRAFFIC SIGNAL CONTROLLER WITH BCC APPROVED EQUIPMENT SUPPLIED WITH TOP HAT INCLUDING 6 AMP ACTIVE AND 8 AMP FLASHING YELLOW FLASHING SIGNAL GROUP MODULES TO SUIT, 1 X BCC 8 CHANNEL VIO RECEIVER, 1 X BCC 8 CHANNEL VIO MUX AS APPLICABLE, 1 X AUDIO / TACTILE RELAY, 1 X 32 INPUT DETECTOR CARD, PLUG BOARD TO SUIT, 1 X BCC CONTROLLER SHELF, 1 X BCC CONTROLLER IDENTIFICATION PLATE AND 1 X FAULT LOG BOOKLET
  - SUPPLY AND INSTALL TRAFFIC SIGNAL HARDWARE AS PER EQUIPMENT SCHEDULE
  - SUPPLY AND INSTALL 18MM 2 CORE PVC CONSUMER MAINS CABLE TO CONTROLLER FROM ELECTRICAL POINT OF SUPPLY ESP. IF CONDUITS ARE SHALL-LOW REFER TO DESIGN OFFICE. IF ELECTRICAL SUPPLY IS FROM UNDERGROUND DIRECT FEED, FUSED BELL JUNCTION TO BE INSTALLED BETWEEN TRAFFIC SIGNAL CONTROLLER AND POINT OF SUPPLY. CONTACT BCC TO REQUEST POINT OF SUPPLY. REFER NOTES FOR CONTACT DETAILS.
  - CONTACT BCC TO REQUEST NEW DATA CONNECTION FOR TRAFFIC SIGNAL CONTROLLER. REFER NOTES FOR CONTACT DETAILS.
  - SUPPLY AND INSTALL NEW CABLE IN ACCORDANCE WITH CABLE CONNECTION DETAIL.
  - INSTALL AND COMMISSION NEW CONTROLLER PERSONALITY. REFER NOTES FOR PERSONALITY REQUEST DETAILS.
  - SUPPLY AND INSTALL LOOP DETECTOR FEEDER CABLE FROM CONTROLLER TO ALL LOOPS.
  - ALL LOOP DETECTORS TO BE CUT UNLESS OTHERWISE INSTRUCTED.

**TRAFFIC SIGNAL EQUIPMENT SCHEDULE**

STN No.	EXIST (m)	POLE (RECOVER) (m)	INSTALL (m)	INSTALL HEIGHT (m)	ROUTING	COMMENT (typical)	EXIST COMPONENT		RECOVER COMPONENT		INSTALL COMPONENT		REMARKS
							QTY	RECOVER	QTY	INSTALL			
1					MAST ARM	X	OUTREACH LANTERN			2.5m OUTREACH	1		
2			4.1	X			PED LANTERN			38mm 3-ASPECT	1		
3			1.6	X			PUSH BUTTON			PED DISPLAY - COUNTDOWN	1		
4			4.1	X			PED LANTERN			BIRE DISPLAY	1		
5			4.1	X			PED LANTERN			STANDARD NON-AUDIO	1		
6			4.1	X			PED LANTERN			240mm 5-ASPECT	1		GREEN / YELLOW LEFT TURN ARROWS
7			1.6	X			PUSH BUTTON			PED DISPLAY - COUNTDOWN	1		
8			4.1	X			PED LANTERN			BIRE DISPLAY	1		
9			4.1	X			PED LANTERN			STANDARD NON-AUDIO	1		
10			4.1	X			PED LANTERN			240mm 3-ASPECT	1		RED & YELLOW LEFT TURN ARROWS
11			4.1	X			PED LANTERN			240mm 5-ASPECT	1		GREEN / YELLOW LEFT TURN ARROWS
12			4.1	X			PED LANTERN			240mm 3-ASPECT	1		RED & YELLOW LEFT TURN ARROWS
13			4.1	X			PED LANTERN			240mm 5-ASPECT	1		GREEN / YELLOW LEFT TURN ARROWS
14			4.1	X			PED LANTERN			240mm 3-ASPECT	1		RED & YELLOW LEFT TURN ARROWS
15			4.1	X			PED LANTERN			240mm 5-ASPECT	1		GREEN / YELLOW LEFT TURN ARROWS
16			4.1	X			PED LANTERN			240mm 3-ASPECT	1		RED & YELLOW LEFT TURN ARROWS
17			4.1	X			PED LANTERN			240mm 5-ASPECT	1		GREEN / YELLOW LEFT TURN ARROWS
18			4.1	X			PED LANTERN			240mm 3-ASPECT	1		RED & YELLOW LEFT TURN ARROWS

- NOTES**
- ALL LANTERNS DEEMED TO BE 200MM LED TYPE EXCEPT WHERE SPECIFIED OTHERWISE
  - LEWIS CLOSURE VISORS ARE 300MM LEWIS
  - PEDESTRIAN LANTERNS TO BE 3-ASPECT COUNTDOWN AS PER BCC SPECIFICATION
  - PEDESTRIAN PUSH BUTTONS TO BE AUDIO TACTILE TYPE EXCEPT WHERE SPECIFIED OTHERWISE
  - LOOP JOINTING PITS TO BE N3 TYPE ALL OTHERS TO BE CIRCULAR TYPE EXCEPT WHERE SPECIFIED OTHERWISE
  - INSTALL 1 X 100MM ELECTRICAL CONDUIT FROM SIGNAL POST TO NEAREST PIT
  - INSTALL 1 X 90MM ELECTRICAL CONDUIT FROM LOOP JOINTING PIT TO NEAREST SIGNAL PIT
  - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY SERVICE LOCATIONS PRIOR TO ANY EXCAVATION.
  - ANY CONFLICTS BETWEEN EXISTING SERVICES AND SIGNAL CONDUITS TO BE RESOLVED BY THE CONTRACTOR IN CONSULTATION WITH THE PRINCIPAL
  - BCC EQUIPMENT TO BE PURCHASED FROM BRISBANE CITY COUNCIL AT CONTRACTORS EXPENSE. CONTRACTOR TO CONTACT BRISBANE CITY COUNCIL, FIELD SERVICES GROUP PH (07) 34038888
  - CONTROLLER TOP HAT TO BE FITTED OUT AS PER STANDARD DRAWING BSC-2009
  - INSTALLATION JOINTING AND TERMINATION OF FIBRE OPTIC CABLE TO BE UNDERTAKEN BY SUB CONTRACTOR NOMINATED BY BRISBANE CITY COUNCIL AT CONTRACTORS EXPENSE. CONTRACTOR TO CONTACT BCC, CONGESTION REDUCTION UNIT, INTELLIGENT TRANSPORT SYSTEMS FOR LIST OF ACCEPTED SUB CONTRACTORS PH (07) 34038888
  - INSTALLATION OF EQUIPMENT IN LOCAL MUX TO BE UNDERTAKEN BY SUB CONTRACTOR NOMINATED BY BRISBANE CITY COUNCIL AT CONTRACTORS EXPENSE. CONTRACTOR TO CONTACT BCC, CONGESTION REDUCTION UNIT, INTELLIGENT TRANSPORT SYSTEMS FOR LIST OF ACCEPTED SUB CONTRACTORS PH (07) 34038888
  - CONTROLLER PERSONALITY TO BE CONFIGURED BY BRISBANE CITY COUNCIL. CONTRACTOR TO SUBMIT PERSONALITY REQUEST FORM TO BCC, CONGESTION REDUCTION UNIT, TRAFFIC SIGNAL OPERATIONS PH (07) 34038888. MINIMUM 4 WEEKS NOTICE REQUIRED
  - COMMISSIONING OF SIGNALS, INCLUDING COMPUTER CONTROL, DATA CHANGES TO BE UNDERTAKEN BY BRISBANE CITY COUNCIL. CONTRACTOR TO SUBMIT TRAFFIC SIGNALS INSTALLATION - PRE COMMISSIONING SHEET TO BCC, CONGESTION REDUCTION UNIT, TRAFFIC SIGNAL OPERATIONS PH (07) 34038888. MINIMUM 4 WEEKS NOTICE REQUIRED
  - LOOP DETECTORS (WHERE POSSIBLE) TO BE INSTALLED PRIOR TO LAYING FINAL SURFACE FOR MINIMUM DEPTH OF ASPHALT AT LOOP LOCATIONS REFER TO STANDARD DRAWING BSC-2011
  - INSTALLATION OF TRAFFIC SIGNALS TO BE IN ACCORDANCE WITH BRISBANE CITY COUNCIL BSD STANDARD DRAWINGS AND AUSTRALIAN STANDARDS
  - ELECTRICAL POINT OF SUPPLY TO BE REQUESTED THROUGH BRISBANE CITY COUNCIL. CONTRACTOR TO CONTACT BCC, CONGESTION REDUCTION UNIT, TRAFFIC SIGNAL OPERATIONS PH (07) 34038888. MINIMUM 4 WEEKS NOTICE REQUIRED
  - DATA CONNECTION TO BE REQUESTED THROUGH BRISBANE CITY COUNCIL. CONTRACTOR TO CONTACT BCC, CONGESTION REDUCTION UNIT, INTELLIGENT TRANSPORT SYSTEMS, PH (07) 34038888. MINIMUM 4 WEEKS NOTICE REQUIRED
  - CONDUIT CONNECTION TO COMMUNICATIONS INFRASTRUCTURE TO BE INSTALLED BY CONTRACTOR. CONTACT BCC, CONGESTION REDUCTION UNIT, INTELLIGENT TRANSPORT SYSTEMS PH (07) 34038888 TO REQUEST CONNECTION
  - 10m CLEAR VISIBILITY TO BE MAINTAINED TO PRIMARY LANTERN
  - ONLY 1M OF SLACK CABLE TO BE INSTALLED IN THE PIT AT EACH TRAFFIC SIGNAL POST
  - ELECTRICAL CONTRACTOR TO SUBMIT FORM 2 TO ENERXEC ON COMPLETION OF WORK

**SETTING OUT - HARDWARE FOOTINGS**  
(Co-ordinates are given to the center of the footing)

HWARE NO.	HARDWARE ITEM	X-EASTINGS	Y-NORTHINGS
1	MAST ARM (2.5m O/D)	7933.572	4765.271
2	4.1m POST	7884.638	4772.359
3	1.6m BICYCLE PUSHBUTTON POST	7884.364	4774.110
4	4.1m POST	7884.362	4767.829
5	4.1m POST	7884.957	4774.079
6	1.6m BICYCLE PUSHBUTTON POST	7884.774	4772.764
7	4.1m POST	7884.532	4772.888
8	4.1m POST	7879.195	4784.324
9	JOINT USE 18.5m P/JH	7884.969	4789.196
10	4.1m POST	7884.797	4819.576
11	MAST ARM (1.6m O/D)	7933.144	4812.269
12	JOINT USE 10.5m P/JH	7904.991	4812.488
13	4.1m POST	7872.936	4812.119
14	4.1m POST	7873.824	4804.265
15	4.1m POST	7884.877	4796.346
16	4.1m POST	7895.176	4797.867
17	JOINT USE 18.5m P/JH	7895.619	4798.486
18	BCC CONTROLLER	7892.959	4762.195

**SETTING OUT - PITS**  
(Co-ordinates are given to the center of the pit)

PIT NO.	PIT TYPE	X-EASTINGS	Y-NORTHINGS
1	N3	7991.932	4767.626
2	CIRCULAR	7892.972	4767.626
3	CIRCULAR	7992.797	4768.997
4	N3	7992.311	4768.506
5	CIRCULAR	7889.431	4768.454
6	CIRCULAR	7879.979	4766.072
7	CIRCULAR	7883.448	4764.748
8	N3	7886.811	4755.612
9	CIRCULAR	7884.711	4778.529
10	CIRCULAR	7895.937	4779.956
11	CIRCULAR	7919.926	4784.983
12	CIRCULAR	7844.637	4811.515
13	N3	7844.547	4813.918
14	CIRCULAR	7932.797	4781.501
15	N3	7932.295	4812.614
16	CIRCULAR	7863.786	4814.778
17	CIRCULAR	7872.879	4818.295
18	N3	7872.484	4818.458
19	CIRCULAR	7875.991	4811.932
20	CIRCULAR	7887.354	4795.739
21	CIRCULAR	7895.546	4794.287
22	CIRCULAR	7944.877	4789.247
23	CIRCULAR	7944.888	4777.778

**SYMBOL LEGEND**

WORKS TO COMPLY WITH ASS0000 FAULTY LOOP IMPEDANCE REQUIREMENTS ARE AS FOLLOWS:

- INSTALL (N3) 1.6m (3200) FUSE CARRIER AND 8 AMP FUSELINK BETWEEN FLASHER UNIT AND CONTROL RELAY
- INSTALL 6 AMP HRC FUSE BETWEEN MASTER RELAY AND A2

SYMBOL	DESCRIPTION
[Line]	2 x 100mm <sup>2</sup> DUCT
[Circle]	TRAFFIC SIGNAL POST NUMBER
[Circle with X]	TRAFFIC SIGNAL CONTROLLER
[Circle with dots]	PIT (TYPE 'CIRCULAR' UNLESS NOTED OTHERWISE)
[Square]	POST
[Star]	MAST ARM (OUTREACH TO SCALE)
[Arrow]	PEDESTRIAN PUSH BUTTON (AUDIO TACTILE)
[Star with dots]	PEDESTRIAN COUNTDOWN LANTERN
[Star with horizontal bars]	3 ASPECT 200mm VEHICLE LANTERN
[Star with vertical bars]	3 ASPECT 200mm RT. TURN VEHICLE LANTERN
[Star with diagonal bars]	3 ASPECT 200mm VEHICLE LANTERN
[Star with dots and line]	DETECTOR LOOP (QUADRUPOLE)
[Star with cross]	VISOR
[Star with cross and line]	JOINT USE TRAFFIC SIGNAL AND ROAD LIGHTING POLE

**Congestion Reduction Unit**  
Brisbane City Council

**MARLBING ADDRESS:**  
OPD Box 134  
Brisbane QLD 4001

**BRISBANE SIGNAGE:**  
200 George St  
Brisbane QLD 4000

**KEY:**  
G CHANGE TO BCC TITLE SHEET  
F MINOR POLE AND PIT RELOCATIONS  
E JOINT USE POLE RELOCATED  
D MAST ARMS ADDED, SOME PITS REMOVED  
C PUSHBUTTONS AND LANTERNS RECEIVED  
B PITS AND POLES MOVED, AU POLES ADDED  
A ISSUE FOR COMMENT

**DATE:** 20/01/16  
**DESIGNED BY:** JMM  
**CHECKED BY:** JMM  
**DATE:** 15/01/16

**200017/30517**  
7/5/16  
9/9/16  
30/5/16  
20/2/16  
15/1/16

**Signal Design Accepted ORIGINAL SIGNED BY:**

**Gardno**  
Level 11, 818 St Pauls St, Fortitude Valley QLD 4006 2001 8812

**Project:** ECONOMIC DEVELOPMENT QLD  
**Title:** MACARTHUR AVE / FINNIGAN ST TRAFFIC SIGNAL CONSTRUCTION DETAILS  
**Site No.:** XXXX

**Design:** JMM  
**Drawn:** JMM  
**Checked:** BMM  
**Approved for Issue:** BMM

**Reference No.:** CEB06642  
**Project Number / Sheet:** CEB06642-001-TF-303 / 1 of 2

**Scale:** 1:250  
**Issue:** G

K925 - 6842\_Signals Base.dwg; MODEL\_DESIGN(C).dwg; model\_survey.dwg; B238-A-BASE-1.dwg; A633\_BASE\_2015.dwg











## Shona Campbell

---

**From:** Corey Baldwin  
**Sent:** Thursday, 6 April 2017 11:56 AM  
**To:** John Kakourakis  
**Subject:** Fwd: Remora Road Works - Finnegan Street Pit  
**Attachments:** Finnegan St Pit2.pdf; ATT00001.htm

FYI

Sent from my iPhone

Begin forwarded message:

**From:** [REDACTED]  
**Date:** 6 April 2017 at 11:03:30 am AEST  
**To:** Nilesh Thool <Nilesh.Thool@brisbane.qld.gov.au>  
**Cc:** [REDACTED] Corey Baldwin  
<Corey.Baldwin@dilgp.qld.gov.au>, Daniel Allanson <Daniel.Allanson@dilgp.qld.gov.au>  
**Subject:** Remora Road Works - Finnegan Street Pit

Hi Nilesh,

We have a query regarding an existing pit at the western corner of Finnegan Street and Macarthur Avenue.

The existing position of the pit interferes with the new kerb return from Macarthur Avenue.

We have looked at reconstructing the pit to suit the kerb return, however this will result in the temporary closure of Finnegan Street, which we would like to avoid.

Please find attached sketch of an alternative proposal, which results in a non-standard gully transition on the Macarthur Avenue end.

Could you please advise if this would be acceptable to BCC?


Thanks,

[REDACTED]

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Bornhorst+Ward ProjectId: 12191C-CO

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 Please consider the environment before printing this email

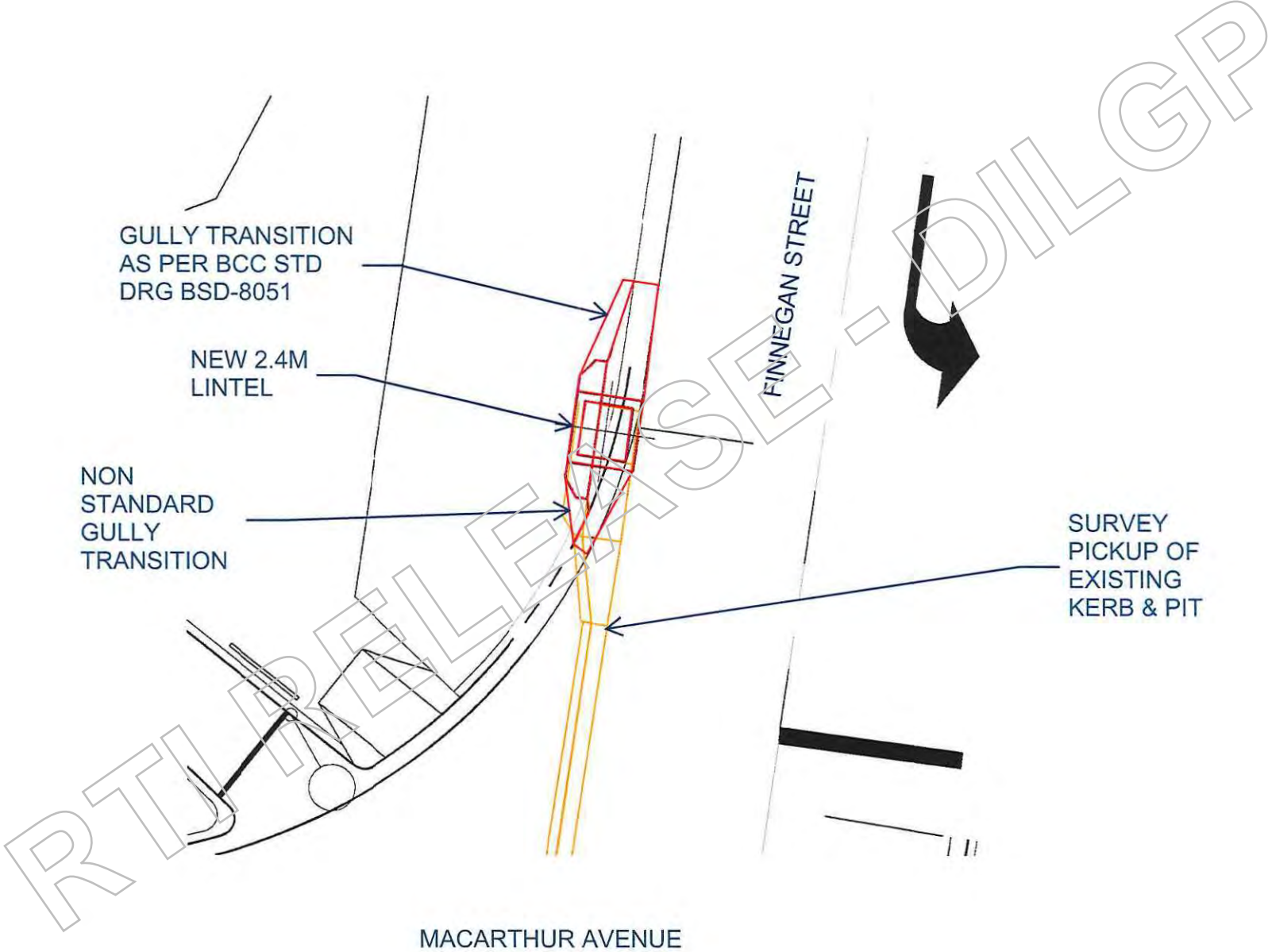
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If you have received this electronic mail message in error, we request you immediately notify the sender and delete the message from your computer.

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## Shona Campbell

---

**From:** Corey Baldwin  
**Sent:** Wednesday, 19 April 2017 9:46 AM  
**To:** 'Chris Mancini'  
**Cc:** 'Jaimee.Boutcher-Hann@brisbane.qld.gov.au'  
**Subject:** FW: Macarthur Ave Bus Stops

Chris,

Please see email below from our design consultant. Can you provide advice regards to absolute minimums to make things work?

Regards

**Corey Baldwin**  
**Development Manager**  
Economic Development Queensland  
Department of Infrastructure, Local Government and Planning  
Level 14, 1 William St, Brisbane QLD 4000  
p. [REDACTED] m. [REDACTED] Sch. 4(4)(6) - Disclosing personal information e. [corey.baldwin@dilgp.qld.gov.au](mailto:corey.baldwin@dilgp.qld.gov.au)

Please consider the environment before printing this email

---

**From:** [REDACTED]@bornhorstward.com.au]  
**Sent:** Thursday, 13 April 2017 11:34 AM  
**To:** Corey Baldwin  
**Cc:** [REDACTED]  
**Subject:** RE: Macarthur Ave Bus Stops

Corey,

We will run a bus template on this and see how it works – however the existing carparks are 2.25m, while an Austroads Bus template is 2.5m wide, making it protrude into the cycle track. I'm not sure how comfortable I am with this as then the mirror will go beyond that line.

Could we look at ending the cycle track before the bus bay, as it effectively ends at the western most end of the carparks anyway?

Did Council have any minimums or requirements for this as we would prefer to stick to the standard drawings unless they will give some agreement in writing.

Thanks,

[REDACTED]

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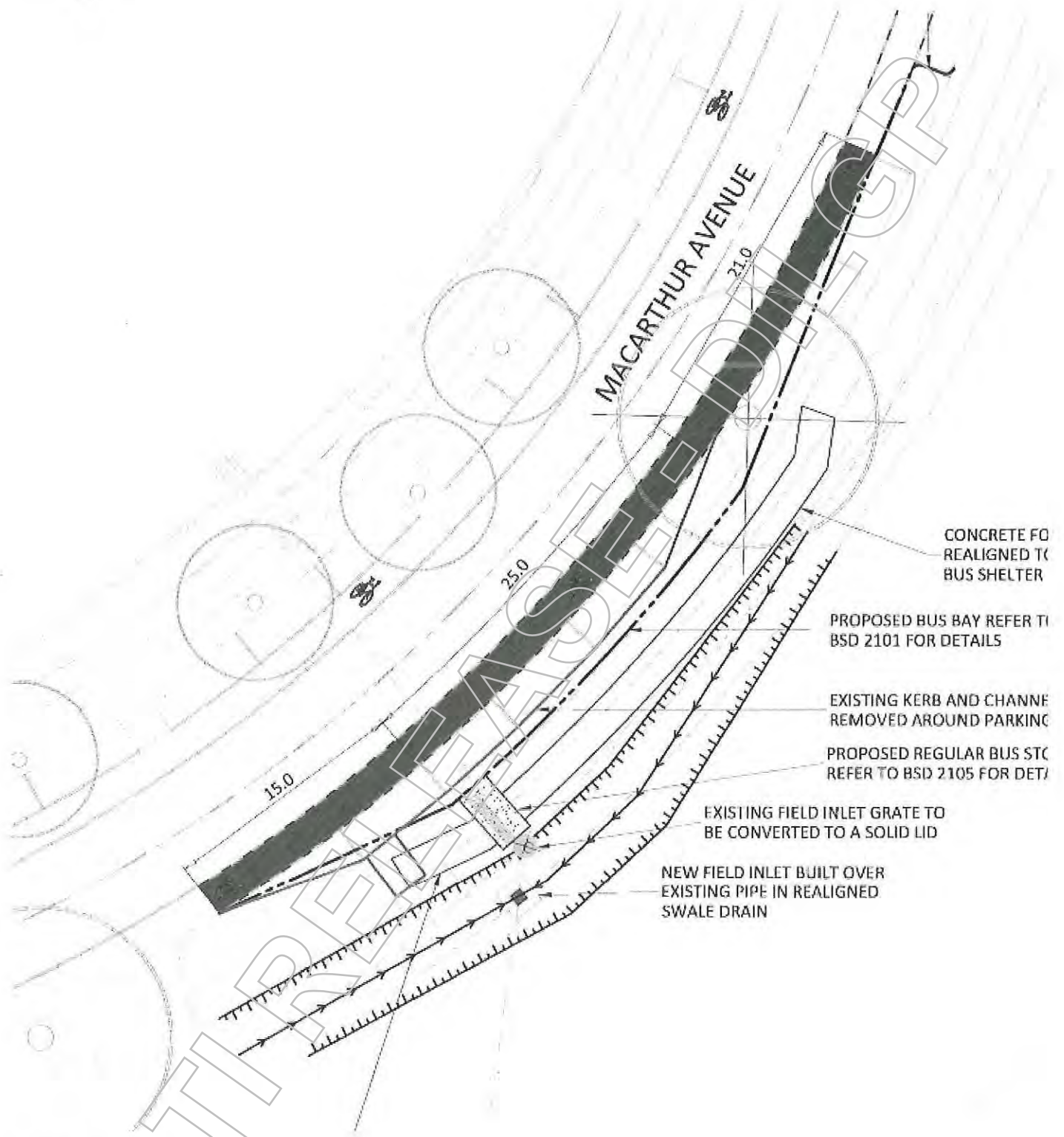
**From:** Corey Baldwin [mailto:[Corey.Baldwin@dilgp.qld.gov.au](mailto:Corey.Baldwin@dilgp.qld.gov.au)]  
**Sent:** Wednesday, 12 April 2017 2:56 PM  
**To:** [REDACTED]@bornhorstward.com.au>  
**Subject:** RE: Macarthur Ave Bus Stops

[REDACTED]

Can you please call to discuss when you get a chance?



I'd like to amend the interim stop at the café to reduce the work required. Below in pink shows my thoughts which BT and BCC didn't seem to have a problem with. I understand the width is not as per standard drawing and the taper lengths are also shorter than standard but We need to look at ways that don't require significant upgrades and impact on the figs.



Regards

**Corey Baldwin**  
Development Manager

Economic Development Queensland  
Department of Infrastructure, Local Government and Planning  
Level 14, 1 William St, Brisbane QLD 4000

p. [REDACTED] m. [REDACTED] e. [corey.baldwin@dilgp.qld.gov.au](mailto:corey.baldwin@dilgp.qld.gov.au)

Please consider the environment before printing this email



**From:** [REDACTED]@bornhorstward.com.au]  
**Sent:** Friday, 7 April 2017 3:42 PM  
**To:** Corey Baldwin  
**Subject:** Macarthur Ave Bus Stops

Corey,

Please find attached functional layout drawings for the Macarthur Ave bus stops.

With regards to the interim stop fronting the park on drawing FL002, we attach this for discussion purposes. We have some concerns with this layout as the in lane stop does not allow enough passing room between the edge of the linemarking and the kerb line to the centre median. I am a bit concerned this is a potential conflict area as a motorist would try to pass the bus, with limited space available. It may be better to consider removing some carparks or partially indenting this area to allow passing room.

Please let me know if you have any comments.


Thanks,

[REDACTED]

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Bornhorst+Ward ProjectId: 17071-CO

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 **Please consider the environment before printing this email**

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Bornhorst+Ward ProjectId: 17071-CO

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## Shona Campbell

---

**From:** Corey Baldwin  
**Sent:** Wednesday, 19 April 2017 9:48 AM  
**To:** 'Jaimee.Boutcher-Hann@brisbane.qld.gov.au'  
**Subject:** Northshore bus shelters

Jaimee,

Following up on our meeting last week I was just wondering how you went with Adshel regarding the stop at Remora Road and potentially in front of Sammies?

Regards

**Corey Baldwin**  
**Development Manager**  
Economic Development Queensland  
Department of Infrastructure, Local Government and Planning  
Level 14, 1 William St, Brisbane QLD 4000  
p. [REDACTED] m. [REDACTED] e. [corey.baldwin@dilgp.qld.gov.au](mailto:corey.baldwin@dilgp.qld.gov.au)

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## Shona Campbell

**From:** Corey Baldwin  
**Sent:** Friday, 5 May 2017 3:37 PM  
**To:** John Kakourakis  
**Cc:** Archie Venitis; Darryl Airlie; Nilesh Thool; 'Chris Mancini'; Johannes.Grobler@brisbane.qld.gov.au; 'Jaimee.Boutcher-Hann@brisbane.qld.gov.au'; 'Adam.Lew@brisbane.qld.gov.au'  
**Subject:** Northshore Hamilton - Trial bus route and stops  
**Attachments:** FL0001(B).pdf; FL0002(B).pdf; FL0003(B).pdf; FL0004(B).pdf; FL0005(B).pdf; FL010(C).pdf; FL011(C).pdf

John,

As discussed EDQ are looking to introduce a trial bus route between Doomben Train Station and the Northshore Ferry. Consultation has occurred with TransLink and Transport for Brisbane and the proposed route and indicative stop locations are as follows:

### New route number 304



The new route is planned to start operation on Monday 26 June 2017 operating Monday to Friday from approximately 6am to 6pm with 30min peak and hourly off peak services.

Please find attached preliminary designs for the proposed new bus stops. For the new stops we have looked at interim and ultimate layouts, looking at installing limited infrastructure in the interim but also looking at an ultimate solution once further development occurs and the demand increases. I would be keen to meet with you and/or the appropriate people to discuss and agree on the proposed infrastructure at your earliest convenience to allow us to procure the works and meet our timeframe for start of operation.



Please let me know if you have any other concerns or need further information.

Regards

**Corey Baldwin**  
**Development Manager**  
Economic Development Queensland  
Department of Infrastructure, Local Government and Planning  
Level 14, 1 William St. Brisbane QLD 4000  
p. [REDACTED] m. [REDACTED] e. [corey.baldwin@dilgp.qld.gov.au](mailto:corey.baldwin@dilgp.qld.gov.au)

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Pages 98 through 105 redacted for the following reasons:

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s68(1)(a) - copyright

## Shona Campbell

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**From:** Corey Baldwin  
**Sent:** Monday, 15 May 2017 3:47 PM  
**To:** John Kakourakis  
**Cc:** Archie Venitis; Daniel Allanson DILGP  
**Subject:** Footpath closure on Remora Road and Finnegan Street  
**Attachments:** 21144110.pdf.pdf; IMG\_1289.jpg; IMG\_1288.jpg; IMG\_1292.jpg; IMG\_1295.jpg

John,

A developers building contractor has recently started work at 21 Remora Road Hamilton. As part of the building works the contractor has obtained a permit from BCC to undertake works within the footpath.

I would like to ask EDQ be notified of any proposed permits such as this within the PDA prior to approval as this and other future permits will potentially affect works currently being undertaken to upgrade the road corridor.

I would also ask that this permit be audited as I believe the contractor is not meeting the special conditions (specifically condition 1) within the approval (see attached photos).

Regards

**Corey Baldwin**  
**Development Manager**  
Economic Development Queensland  
Department of Infrastructure, Local Government and Planning  
Level 14, 1 William St. Brisbane QLD 4000  
p. [REDACTED] m. [REDACTED] e. [corey.baldwin@dilgp.qld.gov.au](mailto:corey.baldwin@dilgp.qld.gov.au)

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**Brisbane City Council  
Compliance and Regulatory Services  
Footway Permit  
Reference 1265629**



**Location:** 21 Remora Road Hamilton

**Deposit Plant or Materials**

**Effective Date:** 4 April 2017

**Expiry Date:** 4 April 2018

**Activity Frontage:** 15 FINNEGAN ST HAMILTON & 21 REMORA RD HAMILTON QLD  
4007 (L2/SP275446)

**Purpose of Activity:** Construction Infrastructure

**Site Classification:** Residential

**Type of Material:** Building/Infrastructure Materials

**Length:** 50 m      **Width:** 2 m      **Area:** 100 sqm

**Specific Conditions:**

- 1 A minimum of 1.2 metres of clear footway/footpath must be kept to allow pedestrians, including wheelchairs and prams to have a safe passageway and must not be directed onto the road without necessary roadway permits.
- 2 Any gas or utility works occurring on Remora Rd override this permit.
- 3 On Remora Rd, must not hold the deposit of equipment/materials for longer than 24 hours.

**Conditions of Approval -** see reverse for standard conditions

Issued Date: 4 April 2017  
Built Environment

Contact Name: Tanveer Bains  
Phone Number: 07 3403 8888

For Manager CARS:



## STANDARD CONDITIONS

- 4 All work is to be completed to the satisfaction of the Manager, Compliance and Regulatory Services or a representative and is subject to the Local Laws of the Brisbane City Council, and other applicable legislation.
- 5 Before proceeding with any work the applicant must obtain all relevant approvals, permits and consents from utility service providers, State and Commonwealth Governments, Police and Main Roads for roads under their control and comply with their requirements.
- 6 The applicant is to indemnify the Council against any public liability injury and/or property claims arising from the works.
- 7 The applicant agrees to pay all costs and charges incurred in the reinstatement to Council standards, any damage caused to the road, street furniture, constructed kerbing and water channelling, stormwater system and/or constructed footways or public services as a result of the activities associated with the work stated, whether by their own operations or those of their sub-contractors, agents, manufacturers, cartage contractors or other delivering or removing any materials to or from the site.
- 8 All work carried out does not interfere with access to any public convenience or private premises.
- 9 It is the responsibility of the owner/applicant to carry out checks to ensure no Vegetation, Heritage or Environmental listing is attached to the site.
- 10 In the event of the applicant transferring title of the applicant's land to another person ("transferee"), the applicant is responsible for bringing to the attention of the transferee the following:
  - (a) the issue of the permit and its conditions; and
  - (b) where the permit relates to a disabled/pedestrian access ramp, crossing or driveway for the land, the permit conditions continue to apply to the access ramp, crossing or driveway and that Council may require the owner, for the time being, of the land to carry out work in relation to the access ramp, crossing or driveway; and
  - (c) where the permit relates to a temporary structure or equipment, plant, garden bed or planter box placed in the footpath in front of or adjoining the land, Council may direct its removal unless the transferee obtains a new permit from Council.





## Shona Campbell

---

**From:** Corey Baldwin  
**Sent:** Tuesday, 23 May 2017 3:50 PM  
**To:** 'John Kakourakis'; Sandra Hinrichsen; Simon Ginn  
**Cc:** Archie Venitis; Darryl Airlie; Nilesh Thool; Chris Mancini; Hannes Grobler; Jaimee Boutcher-Hann; Adam Lew  
**Subject:** RE: Northshore Hamilton - Trial bus route and stops

John,

We are definitely on the same page with this one. The trial bus service has been scheduled by TransLink and Transport for Brisbane to match in with the train timetable and get as much efficiency out of the network.

Regards

**Corey Baldwin**  
Development Manager  
Economic Development Queensland  
Department of Infrastructure, Local Government and Planning  
Level 14, 1 William St, Brisbane QLD 4000  
p. [REDACTED] | m. [REDACTED] | e. corey.baldwin@dilgp.qld.gov.au

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**From:** John Kakourakis [mailto:John.Kakourakis@brisbane.qld.gov.au]  
**Sent:** Tuesday, 23 May 2017 3:45 PM  
**To:** Corey Baldwin; Sandra Hinrichsen; Simon Ginn  
**Cc:** Archie Venitis; Darryl Airlie; Nilesh Thool; Chris Mancini; Hannes Grobler; Jaimee Boutcher-Hann; Adam Lew  
**Subject:** RE: Northshore Hamilton - Trial bus route and stops

Hi Corey,

Supplementary to our feedback below. Out of curiosity, we conducted a review of the current QR timetable for the Doomben Line. Upon our checking, it shows that the Doomben Station train timetable is every 30 minutes in each direction.

Our view point here is that it would be critical that the new bus service coordinates exactly with each arriving and departing train, particularly in the peak periods, especially if it is going to attract and maintain patronage. Something to investigate and take into consideration.

Regards,

**John Kakourakis**  
Senior Team Leader | Major Projects |  
Asset Management Projects & Innovation |  
Asset Management Branch | Brisbane Infrastructure Division |  
**BRISBANE CITY COUNCIL**

.....  
Brisbane Square | Level 21, 266 George Street Brisbane  
Phone [REDACTED]  
Email: [john.kakourakis@brisbane.qld.gov.au](mailto:john.kakourakis@brisbane.qld.gov.au)



**From:** John Kakourakis  
**Sent:** Tuesday, 23 May 2017 12:19 PM  
**To:** 'Corey Baldwin'; Sandra Hinrichsen; Simon Ginn  
**Cc:** Archie Venitis; Darryl Airlie; Nilesh Thool; Chris Mancini; Hannes Grobler; Jaimee Boutcher-Hann; Adam Lew  
**Subject:** RE: Northshore Hamilton - Trial bus route and stops

Corey,

In reference to your email below and the ongoing discussions with Council around your proposal to establish a trial bus route and stops in order to service areas of the North Shore precinct.

I wish to advise that Council has now had the opportunity review the details provided as well as the opportunity to visit the sites in question and observe traffic operations along MacArthur Ave and at the new four way intersection with Remora Rd.

Based on Council's quick review of the information provide (sketches, a route map and functional layouts) we wish to provide you with the following feedback and comments:

***Comments in relation to the main MacArthur Avenue corridor:***

The proposed allocation of on-street indented parking bays (drawing FL00004) at the North Shore Hamilton City Cat Ferry Terminal for the new 304 bus terminal, is not consider now or in the next 10/15 years likely to give rise to any traffic concerns. The street design facilitates a slow speed environment at or below the post speed of 60km.

Similarly the proposed interim design (drawing FL00002) for an inbound and outbound bus stops, using a few of the indented existing parking bays near the Puma Fuel Headquarters, are not considered to give rise to any traffic concerns now or in the next 10/15 years. Again the street design facilitates a slow speed environment at the posted speed of 60km with good sight lines. It is envisaged that this proposed interim bus stops could easily become a more permanent arrangement using the adjacent park for a bus shelter and future driver washroom facilities.

FL002 – In-line bus stop leaving only 2.5m passing opportunity with the constraint of the central median is unacceptable, parking should be replaced by the bus stop. Additionally there is the issue of no pedestrian crossing here as there is a swale drain.

The proposed ultimate design for two bus stops (drawing FL00003) is consider not so necessary if the 'FL00002' option was made a permanent long term arrangement. There is concern with option FL00003 that both bus stops are rather close to the roundabout and could in the longer term find that bus manoeuvres and stopping/departing movements of buses may impact on general traffic flows approaching and leaving the roundabout.

It was noted, that an additional **new** two way bus stop is required, between stop (FL00003) and the final 4 way intersection with Remora Rd. An additional **new** stop along this length of 700/800m will help accommodate emerging new developments from the onset as residents and workers move into the area. As a general rule we like to see bus tops distance no greater than 400 -500m apart. Please consider such an additional stop as the demand dictates the need.

Agree FL004 and FL005 - using existing parking indents.

***Comments in relation to the new four way Intersection between MacArthur Avenue & Remora Road:***

The proposed new inbound and outbound stops on MacArthur Rd (drawings FL 010/11), near the new four way intersection with Remora Rd, are considered to have the potential for buses entering and leaving the two bus stops **to conflict with general traffic safe operations and the performance of the intersection.** There is of particular concern with the outbound stop before Finnegan St, leading to conflicts with unfamiliar and often senior drivers seeking to access the long term port ferry parking off Finnegan St.





It is envisaged that this new four way intersection will see significant growth as the PDA gets fully built out! Buses should seek bus stop locations further away from key intersections in new development areas where alternatives are still ideally available. We ask that you investigate and address these potential concerns.

*Please note that Council would like to have a further closer look at plans FLO10 and FLO11. We hope to provide you with any additional feedback towards these two plans shortly.*

In the interim, we ask that you please take on board Councils feedback and practical suggestions in order to achieve a facility and service that is operational, safe and user friendly.

We welcome the opportunity to discuss these details with you in person should you see a benefit. Otherwise, please contact me should you require any further clarification.

Regards,

**John Kakourakis**

Senior Team Leader | Major Projects |  
Asset Management Projects & Innovation |  
Asset Management Branch | Brisbane Infrastructure Division |  
**BRISBANE CITY COUNCIL**

.....  
Brisbane Square | Level 21, 266 George Street Brisbane

Phone: [REDACTED]

Email: [john.kakourakis@brisbane.qld.gov.au](mailto:john.kakourakis@brisbane.qld.gov.au)  
.....



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**From:** Corey Baldwin [<mailto:Corey.Baldwin@dilgp.qld.gov.au>]

**Sent:** Friday, 5 May 2017 3:37 PM

**To:** John Kakourakis

**Cc:** Archie Venitis; Darryl Airlie; Nilesh Thool; Chris Mancini; Hannes Grobler; Jaimee Boutcher-Hann; Adam Lew

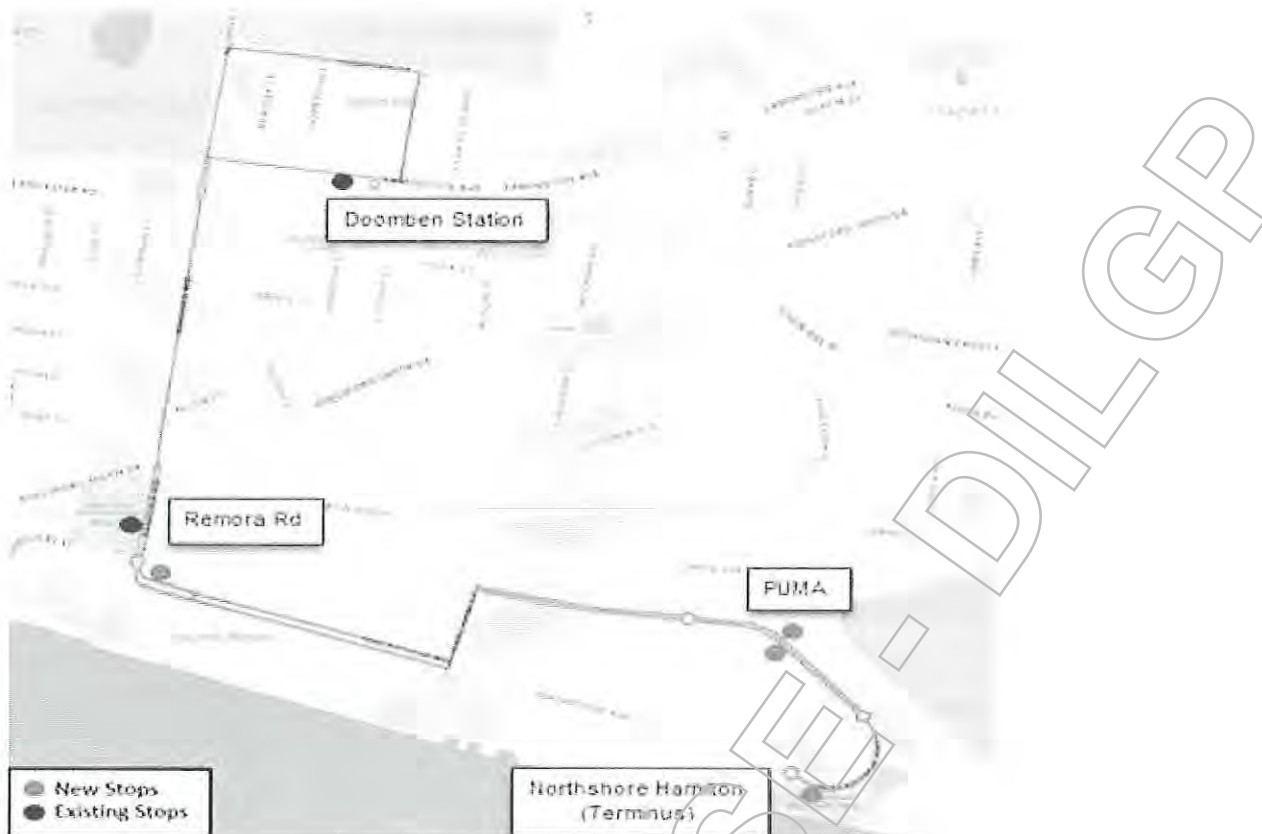
**Subject:** Northshore Hamilton - Trial bus route and stops

John,

As discussed EDQ are looking to introduce a trial bus route between Doomben Train Station and the Northshore Ferry. Consultation has occurred with TransLink and Transport for Brisbane and the proposed route and indicative stop locations are as follows:



## New route number 304



The new route is planned to start operation on Monday 26 June 2017 operating Monday to Friday from approximately 6am to 6pm with 30min peak and hourly off peak services.

Please find attached preliminary designs for the proposed new bus stops. For the new stops we have looked at interim and ultimate layouts, looking at installing limited infrastructure in the interim but also looking at an ultimate solution once further development occurs and the demand increases. I would be keen to meet with you and/or the appropriate people to discuss and agree on the proposed infrastructure at your earliest convenience to allow us to procure the works and meet our timeframe for start of operation.

Please let me know if you have any other concerns or need further information.

Regards

**Corey Baldwin**  
**Development Manager**  
Economic Development Queensland  
Department of Infrastructure, Local Government and Planning  
Level 14, 1 William St, Brisbane QLD 4000  
p. [REDACTED] m. [REDACTED] Sch. 4(4)(6) - Disclosing personal information e. [corey.baldwin@dilgp.qld.gov.au](mailto:corey.baldwin@dilgp.qld.gov.au)

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## Shona Campbell

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**From:** Johannes Grobler <Johannes.Grobler@brisbane.qld.gov.au>  
**Sent:** Friday, 21 October 2016 12:15 PM  
**To:** Corey Baldwin  
**Cc:** Jaimee Boutcher-Hann; [REDACTED] Wendy Brewster  
**Subject:** RE: Northshore Hamilton Interim Bus Stops

Hi Corey

Thank you for your email. We are investigating further and will get back to soon. Jaimee in my team is working on this, please contact her directly if you need to discuss further. Her contact details are:

[REDACTED]  
Email: [Jaimee.Boutcher-Hann@brisbane.qld.gov.au](mailto:Jaimee.Boutcher-Hann@brisbane.qld.gov.au)

Regards

### Hannes Grobler

Public and Active Transport Planning Manager | Transport Planning and Strategy  
Brisbane Infrastructure | **BRISBANE CITY COUNCIL**

Level 6, Brisbane Square | 266 George Street, Brisbane 4000

Phone: [REDACTED]

Email: [johannes.grobler@brisbane.qld.gov.au](mailto:johannes.grobler@brisbane.qld.gov.au)

**From:** Corey Baldwin [<mailto:Corey.Baldwin@diigp.qld.gov.au>]

**Sent:** Monday, 17 October 2016 4:25 PM

**To:** Johannes Grobler

**Cc:** Jaimee Boutcher-Hann; [REDACTED] Wendy Brewster

**Subject:** Northshore Hamilton Interim Bus Stops

Johannes,

Thanks for meeting to discuss the above subject last week. As discussed and requested please find attached a dropbox link to the latest version of our Transport Study which includes provision for public transport.

<https://www.dropbox.com/s/0ngx9yrwlefmjd/CEB06642%20Hamilton%20-%20Tr> [REDACTED]

Also please find attached a copy of the masterplan with indicative timeframes for development and a first draft of options for bus stop locations to service the precinct with the trial change to the 303 service.

The image below shows works we are looking to undertake in the near future. The red sections will start within the next few months and take 12 months to complete. The yellow section is likely to be delivered following on from the red.







Let me know if you need any further information of detail. Please provide feedback at your earliest convenience.

Regards

**Corey Baldwin**  
Development Manager, Urban Development  
Economic Development Queensland  
Department of Infrastructure, Local Government and Planning  
Level 7, 63 George St Brisbane QLD 4000  
p. [REDACTED] m. [REDACTED] | e. [corey.baldwin@dilgp.qld.gov.au](mailto:corey.baldwin@dilgp.qld.gov.au)

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## Shona Campbell

---

**From:** Chris Mancini <Chris.Mancini@brisbane.qld.gov.au>  
**Sent:** Tuesday, 31 January 2017 9:55 AM  
**To:** [REDACTED]@translink.com.au); Corey Baldwin  
**Subject:** Route alignment at Northshore Hamilton

Hi [REDACTED] and Corey.

If you would like, I am happy to catch up with you later this week to discuss the proposed new route for Northshore Hamilton, look at bus stop locations, etc.

The beginning of this week is dedicated to district routes/school buses.

There is a matter that I would like to respectfully bring to your attention about a concept loop via Barcham St and Macarthur Ave (refer image attached below).

This is related to what we have learnt from the route 196 loop at Merthyr, New Farm via Moray St, Mountford Rd and Sargent St.

The loop at Merthyr is causing issues for passengers boarding route 196 at Moray St, that is the Australian War Widows that the route was extended.

Passengers board route 196 at Moray St with the intent to travel to Merthyr Central, Fortitude Valley, and the CBD etc.

However they can only travel one bus stop to the terminus at Mountford St.

Then they are required to disembark the bus and wait for the next timetabled route 196 heading towards the City, whether it is the same bus or another bus.

We receive ongoing complaints about this.

The same situation will happen with the concept loop at Northshore Hamilton.

With the concept loop via Barcham St, passengers would board at the bus stop near the BTP Puma Energy office.

However they will be required to disembark at the bus stop near the Northshore Hamilton ferry terminal because the Bus Operator might need to use the facilities, or the bus might have arrived early, or there might be a "bus swap", etc.

This is the background about why I recommend the route continues along Macarthur Ave, turns around at the roundabout near the BTP Puma Energy office, and terminates at a new bus stop near the roundabout.





Kind regards

**Chris Mancini**

Regional Planner – Eagle Farm Bus Depot | Bus Operations  
Transport for Brisbane | **BRISBANE CITY COUNCIL**

Eagle Farm Bus Depot | 40 Schneider Road, Eagle Farm, Brisbane, Qld 4009

Mail: GPO Box 1434 Brisbane Qld 4001

Phone: [REDACTED]

Email: [Chris.Mancini@brisbane.qld.gov.au](mailto:Chris.Mancini@brisbane.qld.gov.au)

Web: <http://www.brisbane.qld.gov.au/>

Twitter: <http://twitter.com/brisbanecityqld>

Facebook: <http://www.facebook.com/BrisbaneCityCouncil>

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## Shona Campbell

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**From:** Chris Mancini <Chris.Mancini@brisbane.qld.gov.au>  
**Sent:** Friday, 10 February 2017 12:08 PM  
**To:** [REDACTED] Corey Baldwin  
**Cc:** [REDACTED]  
**Subject:** RE: Northshore Hamilton

**Importance:** High

Thank you [REDACTED]

School and Uni semester breaks and semester 2 start dates as follows.

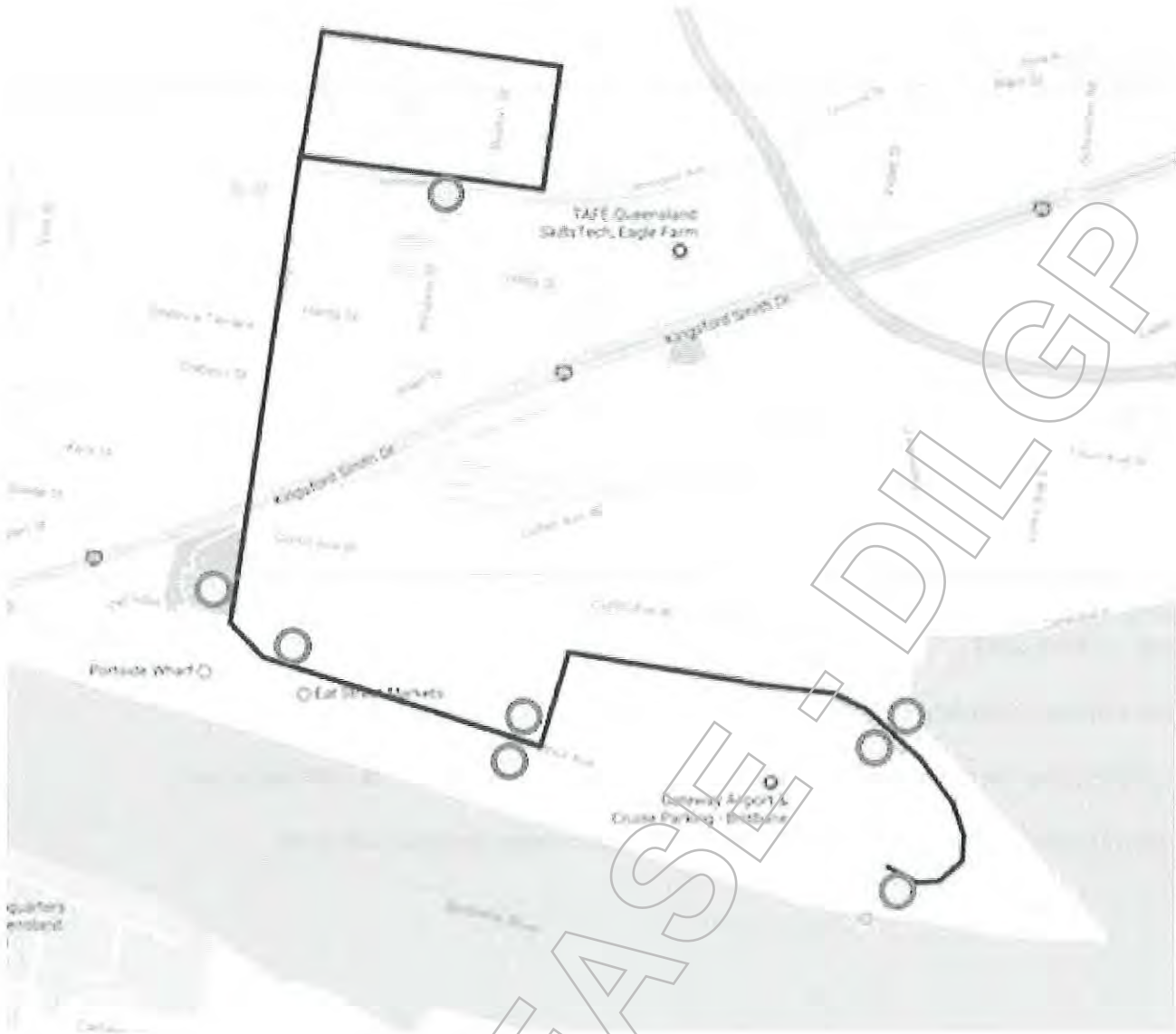
School Break 26 June 2017  
QUT Break 26 June 2017  
School Term 3 10 July 2017  
QUT O-Week 17 July 2017

I will enquire with the Scheduling Team if 26 June would be ok.

In regard to developing the route, we will produce approximate GPS locations for "virtual" bus stops.

Please review the following image and let me know if these approximate locations will be ok.





Kind regards

**Chris Mancini**

Regional Planner – Eagle Farm Bus Depot | Bus Operations  
Transport for Brisbane | **BRISBANE CITY COUNCIL**

Eagle Farm Bus Depot | 40 Schneider Road, Eagle Farm, Brisbane, Qld 4009

Mail: GPO Box 1434 Brisbane Qld 4001

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Email: [Chris.Mancini@brisbane.qld.gov.au](mailto:Chris.Mancini@brisbane.qld.gov.au)

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Twitter: <http://twitter.com/brisbanecityqld>

Facebook: <http://www.facebook.com/BrisbaneCityCouncil>

Youtube: <http://www.youtube.com/user/BrisbaneCityCouncil>

**From:** [REDACTED]@translink.com.au]

**Sent:** Friday, 10 February 2017 11:28 AM

**To:** Chris Mancini; Corey Baldwin

**Cc:** [REDACTED]

**Subject:** Northshore Hamilton

Hi Chris and Corey

